

**METEOROLOGICAL OFFICE.**

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**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	55.6	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.

AUGUST.

SEPTEMBER.

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	2.35	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
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]*	[2.25]*	—	—
Blackod Point	29.878	58.1	55.5	62.7	54.1	[78]*	[1899]	[42]*	[1887-88]	[22]*	[2.08]*	—	—
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
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]	[39]*	[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 (Belmullet), 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

MONDAY 1<sup>ST</sup> SEPTEMBER

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.			Direc.	Force (0 to 12.)			Weather.	Max.	Min.
SCANDINAVIA.	Haparanda ...	30.16	41	E	2	b	30.15	-06	?	?	?	ESE	4	0	*	-	54	36	*	-		
	Hernösand ...	29.83	51	SE	9	f	29.86	-11	52	51	+2	Z	0	0	*	-	54	50	*	0.99		
	Stockholm ...	29.86	56	Z	0	o	29.93	+16	54	53	-3	Z	0	0	*	-	61	52	*	1.12		
	Wisby ...	29.89	55	S	2	b	29.97	+22	54	50	-5	WNW	2	0	*	-	61	52	*	-		
	Karlstad ...	29.82	55	SW	2	b	29.89	+32	53	50	-3	SW	2	0	*	-	*	*	*	-		
	Færder (X'iania Fjord) ...	29.77	57	S	2	b	29.90	+26	52	48	-2	NW	2	0	*	-	57	52	*	-		
	Bodö ...	29.92	50	E	8	f	29.87	-12	51	46	0	E	2	bc	1	-	54	48	*	-		
	Christiansund ...	29.78	50	WSW	4	o	29.86		52	48		WSW	5	f	4	-	54	48	*	0.08		
Skudesnaes ...	29.92	53	NNW	2	o	29.98	+18	52	51	-2	Z	0	0	1	r, o	54	50	*	*			
BRITISH ISLANDS.	Sumburgh Head ...	29.82	48	NW	1	c	29.82	+02	49	48	0	SE	1	0	2	o, c	49	46	*	0.01		
	Stornoway ...	29.78	58	WSW	1	o	29.76	-03	54	53	+3	S	1	op	1	o	62	50	3.7	0.01		
	Malin Head ...	29.76	58	E	2	bc	29.67	-11	57	57	+4	SE	4	om	3	bc	63	52	*	-		
	Blacksod Pt. ...	29.75	61	WSW	3	bc	29.64	-13	60	56	+3	S	5	0	4	c, bc	63	56	*	-		
	Valencia ...	29.78	60	WNW	2	bc	29.68	-10	60	59	+8	S	3	op	4	bc	62	52	11.5	0.03		
	Roche's Point ...	29.79	63	WSW	2	bc	29.77	+01	61	59	+7	SSW	2	0	3	o, bc	67	53	*	0.01		
	Parsonstown ...	29.76	66	N	1	c	29.73	-05	67	54	+5	NE	1	c	*	c	69	50	9.4	-		
	Donaghadee ...	29.78	61	ESE	2	bc	29.77	-03	56	55	+2	SSW	2	of	1	-	64	52	*	-		
Liverpool Obsy. ...	29.81	57	SE	2	om	29.82	+01	57	56	+3	SE	2	0	2	om	58	54	*	-			
Holyhead ...	29.77	63	E	1	cm	29.78	00	59	59	+2	SSW	1	op	1	o, cm	64	55	*	0.04			
Pembroke (St. Ann's) ...	29.75	60	E	1	o	29.79	+07	60	58	+4	S	1	bc	2	o, md	61	55	0.0	0.02			
GERMANY, &c.	Scilly (St. Mary's) ...	29.75	62	WNW	1	f	29.82	+11	62	60	+1	WSW	1	c	3	f, c	64	59	0.6	0.05		
	Jersey (St. Aubins) ...	29.85	65	WSW	3	c	29.88	+02	63	62	0	W	4	odf	3	c, gpf	70	57	1.0	0.13		
	Portland Bill ...	29.82	61	SW	5	c	29.85	+08	61	61	+1	WSW	2	f	2	o, c	64	59	*	0.14		
	Dungeness ...	29.86	63	SW	5	c	29.93	-01	63	63	+4	S	3	c	1	r, c, f	63	58	*	0.28		
	Wick ...	29.80	53	E	2	o	29.80	-05	54	53	+3	S	2	m	2	-	59	42	*	-		
	Nairn ...	29.78	58	Z	0	c	29.78	-04	55	53	+3	S	1	m	0	-	63	44	*	-		
	Aberdeen ...	29.82	54	S	3	og	29.85	00	54	52	-1	S	2	0	3	bc, og, f	59	50	3.4	0.01		
	Leith ...	29.79	57	E	1	b	29.82	-01	52	51	-3	E	1	om	*	-	61	43	*	-		
North Shields ...	29.83	55	SE	2	bc	29.87	00	55	54	+4	S	1	om	2	-	58	48	*	-			
FRANCE.	Spurn Head ...	29.84	54	ENE	5	o	29.89	00	58	57	+1	ESE	4	c	2	-	58	52	*	0.11		
	Yarmouth ...	29.80	60	E	3	o	29.90	+03	61	60	+2	SSW	2	cm	2	r, o	61	57	*	0.13		
	Loughborough ...	29.83	57	E	1	o	29.87	+01	58	57	+5	ESE	1	of	*	gpf, d	59	53	*	0.05		
	Oxford ...	29.83	59	SE	1	of	29.88	+06	61	60	+4	SSE	1	od	*	of	61	57	*	0.37		
	London (Brixton) ...	29.81	65	WSW	3	bc	29.89	+04	64	62	+4	Z	0	0	*	of, c	66	59	0.3	0.44		
	The Scaw (Skagen) ...	29.86	53	W	3	b	29.91	+22	54	52	-2	WNW	3	b	1	-	59	50	*	-		
	Fanö ...	29.97	51	Z	0	b	29.99	+14	54	51	-2	Z	0	c	*	-	59	41	*	-		
	Cuxhaven ...	29.98	56	W	2	bc	29.94	+05	58	58	-1	NE	2	m	*	-	61	58	*	0.12		
SPAN. PEN.	The Helder ...	29.84	59	SSE	1	f	29.91	+02	63	61	+4	WSW	1	0	0	-	63	55	*	0.43		
	Brussels ...	*	*	*	*	*	30.00	+05	64	62	+4	SSW	2	0	*	-	65	60	*	0.04		
	Berlin ...	30.00	64	Z	0	o	30.02	+15	63	61	0	SW	1	f	*	-	66	59	*	-		
	Frankfurt ...	30.03	63	W	2	o	30.06	+07	61	58	-2	S	1	c	*	-	72	57	*	-		
	Munich ...	30.12	62	E	3	b	30.13	+01	62	60	-2	SW	2	0	*	-	73	59	*	-		
	C. Gris Nez ...	29.88	64	SSW	5	o	29.93	+02	63	63	+3	SSW	3	0	4	-	64	60	*	0.47		
	Brest ...	29.82	62	S	2	f	29.91	+06	61	59	-1	WNW	1	0	2	-	66	59	*	0.16		
	Lorient ...	29.89	61	SW	4	f	29.90	+01	61	61	-1	WNW	4	0	4	-	77	59	*	0.59		
SPAN. PEN.	Rochefort ...	29.99	67	SW	3	f	30.00	00	66	65	+3	SW	4	f	*	o, f	70	61	*	0.28		
	Biarritz ...	30.02	75	ENE	1	bc	30.08	00	66	65	+3	ESE	1	c	2	-	81	63	*	-		
	Paris ...	29.98	63	S	2	o	30.02	+03	63	62	+4	S	2	0	*	-	67	59	*	0.20		
	Belfort ...	30.02	65	WSW	2	bc	30.06	+02	60	58	+1	WSW	2	0	*	-	71	57	*	-		
	Lyons ...	30.00	71	NE	1	c	30.09	00	64	60	0	W	1	c	*	-	78	59	*	-		
	Nice ...	30.05	67	Z	0	o	30.11	+05	62	61	-3	Z	0	f	3	-	77	61	*	0.63		
	Perpignan ...	30.04	68	SW	1	c	30.10	+03	65	62	-1	SE	1	0	*	-	80	57	*	-		
	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 1<sup>st</sup> SEPTEMBER, 1902

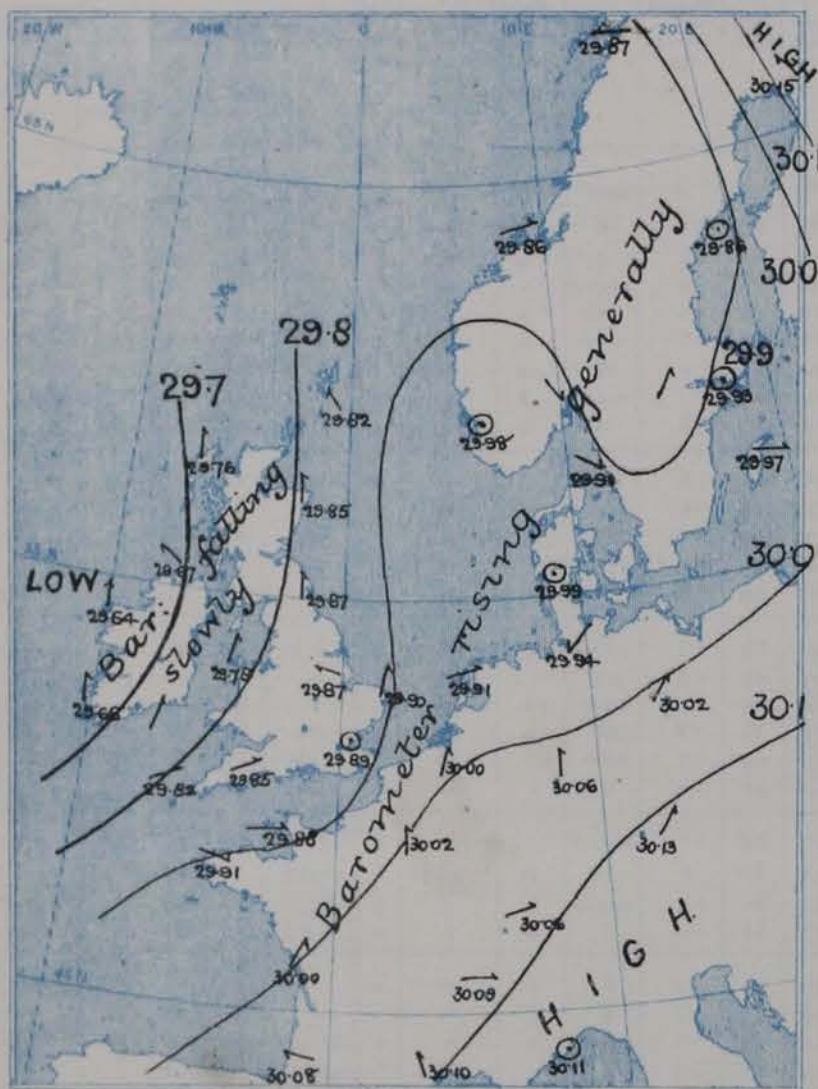
## I. BAROMETER, WIND AND SEA. This Morning.

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

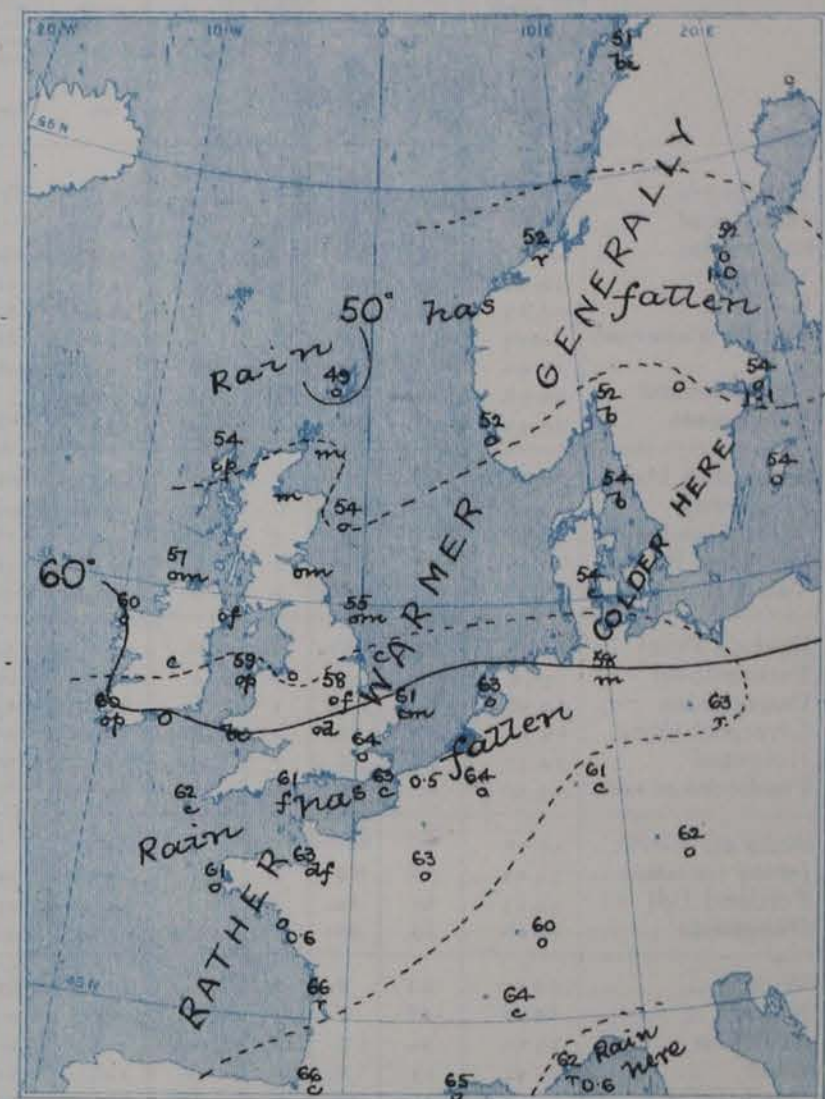


## II. TEMPERATURE AND WEATHER This Morning

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 SEPTEMBER.

Specimen { Average No of } 3.6  
(for Stornaway) { Hours daily }  
{ Total Possible } 12.6



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

AUGUST-SEPTEMBER (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometric pressure continues highest, above 30.1 in., over South Germany and the extreme north of Sweden, while it is now lowest, about 29.6 in., in a cyclonic disturbance which is approaching our extreme western coasts. It is relatively low, 29.9 in. and less, in another low pressure system over the south of Sweden. The mercury is at present rising in most regions, but falling in the west, and the change is spreading eastwards.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is light or moderate from between South and West over Northwestern Europe as a whole, but draws into South-east in the Shetlands and into East in the north of Scandinavia. Temperature is fairly high over the major portion of these Islands, ranging from 60° or a little above at many southern and southwestern stations to 57° at Malin Head, 52° at Leith and 49° at Lumburgh Head. The Continental readings range from 66° in the south-west of France and about 62° in Germany to 51° in the north of Norway. The weather is in a very unsettled condition throughout our area, much cloud prevails, with showers at some of our own stations and steady rain in some parts of France and at Christiansund. Fog is reported at Loughborough and also at Portland Bill and Jersey. The sea is moderate off the west of Ireland, slight or smooth elsewhere.

The maximum temperatures recorded over the United Kingdom yesterday varied from 70° at Jersey, 69° at Parsonstown and 66° in London, to 58° on our north-east coasts and to 49° in the Shetlands. Rain has fallen in most parts of the Kingdom and also in many continental localities, the amounts being heaviest in the west and north of France, in London, and over the Gulf of Bothnia. Scarcely any bright sunshine was experienced, except in Ireland.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new low pressure system approaching our western coasts will probably travel eastwards or northeasterly and cause a continuance of unsettled weather, with rain at times, in all districts.

## FORECASTS \*

For the 24 hours ending at NOON on 2<sup>nd</sup> Sept. 1902

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	} S <sup>th</sup> and S.E <sup>th</sup> winds, freshening; dull, rainy.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	} Light or moderate breezes between S.W. and S; very unsettled, rain at times.
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	} Same as Nos. 0 and 1.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	} S <sup>th</sup> to S.W <sup>th</sup> or W <sup>th</sup> winds, fresh in places; cloudy or dull, occasional rain.
9	{ IRELAND NORTH	
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. 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 ... ..	*	*	*	*	*	*	*	*	*	*	op	*	o, b	63	57	0.0	0.45	
Newton Reigny (Penrith)	29.79	56	SE 1	0	29.81		53	53		SE 1	m	*	oc, bm	64	40	10.0	0.01	
Bath ... ..	29.78	60	N 1	7	29.85	+0.7	61	60	+7	E 1	0	*	-	62	54	0.0	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. ...	58	46	0	0.0	-	Worthing ... ..	*	*	*	0.5	*
Birmingham, 9 p.m. ...	59	52	0	0.0	0.17	Llandudno ... ..	*	*	*	0.0	*
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	0.0	*
Hastings ... ..	*	*	*	0.7	*	Southport, 9 p.m. ...	62	48	o, c, b	2.3	-
Eastbourne up to 6 p.m. ...	*	*	*	0.2	*	Manchester, 9 p.m. ...	*	*	*	*	*
Brighton ... ..	*	*	*	0.0	*	Darwen, 9 p.m. ...	59	47	cu	0.3	-

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

STATIONS. 31 <sup>st</sup> AUGUST	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 30 <sup>th</sup> AUGUST	TEMPERATURE, F. at 1 p.m. °	WEATHER. 17 <sup>th</sup>	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
Marseilles ... ..	Information not received.		not received.	Ins.	Geneva ... ..	73	bc	—
Utrecht... ..					Berne ... ..	73	c	—
Copenhagen... ..					Lucerne ... ..	75	c	—
Prague ... ..					Lausanne ... ..	?	?	0.04
Vienna ... ..					Lugano ... ..	75	bc	1.97
Buda-Pesth ... ..					Locarno ... ..	?	?	0.71
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.

	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.5	11.53	6.41
Greenwich ... ..	5.14	12.0	6.46
Wick ... ..	5.13	12.12	7.11
Valencia ... ..	5.54	12.41	7.28

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 2<sup>nd</sup> SEPTEMBER. 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.	Dirac.	Force (0 to 12.)			At 32° 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.
SCANDINAVIA.	Haparanda ...	30.04	45	SE	2	0	30.06	-0.09	45	43	+1	E	2	0	*	-	48	37	*	-	
	Hernösand ...	29.94	47	Z	0	b	30.04	+1.18	52	48	0	Z	0	b	*	-	63	46	*	-	
	Stockholm ...	29.97	53	Z	0	b	30.05	+1.12	54	53	0	Z	0	b	*	-	59	48	*	-	
	Wisby ...	29.96	54	W	2	b	30.11	+1.14	55	54	+1	N	2	b	*	-	59	48	*	-	
	Karlstad...	29.99	53	Z	0	b	30.07	+1.18	48	47	-5	SSW	2	f	*	-	*	*	*	-	
	Färder (X'ania Fjord)	29.97	55	SW	2	b	30.02	+1.12	55	52	+3	S	2	0	2	-	59	52	*	-	
	Bodö ...	29.91	49	E	4	c	29.91	+0.04	49	47	-2	SE	1	7	1	-	54	46	*	0.12	
	Christiansund	29.97	51	WSW	2	c	29.93	+0.07	51	49	-1	SE	1	b	1	-	54	45	*	-	
	Skudesnaes	30.00	53	Z	0	b	29.91	-0.07	54	51	+2	SE	4	0	2	b	57	48	*	*	
BRITISH ISLANDS.	Sumburgh Head	29.80	53	SE	3	0	29.58	-0.24	53	53	+4	SSE	3	+	4	0	56	24	*	0.08	
	Stornoway ...	29.62	58	Z	0	0	29.49	-0.27	55	54	+1	SW	4	0	4	d.c.o	65	53	6.5	0.10	
	Malin Head ...	29.51	62	S	6	cq	29.51	-1.16	57	56	0	S	6	bc	4	bc,cq	66	52	*	0.28	
	Blacksod Pt. ...	29.46	55	SW	5	rm	29.48	-1.16	60	58	0	SSW	6	cqpm	5	cp,rm	63	55	*	0.51	
	Valencia...	29.49	63	S	4	0	29.56	-1.12	60	58	0	S	3	bc	4	0	65	55	3.0	0.06	
	Roche's Point ...	29.64	61	WSW	4	op	29.62	-1.15	60	59	-1	WSW	2	0	5	o,op	63	51	*	0.03	
	Parsonstown ...	29.58	63	SE	4	oqp	29.59	-1.14	60	57	+3	Z	0	c	*	oqp	68	54	2.5	0.01	
	Donaghadee ...	29.69	61	SSW	3	c	29.63	-1.14	57	56	+1	SSW	1	0	1	-	64	54	*	0.04	
	Liverpool Obsy.	29.77	63	WNW	1	c	29.74	-0.08	61	57	+4	SSE	2	bc	3	c	68	55	*	-	
Holyhead ...	29.75	60	SSW	3	cm	29.69	-0.09	60	59	+1	S	6	cp	4	p,cm,c	64	58	*	0.03		
Pembroke (St. Ann's)	29.78	61	SW	6	0	29.72	-0.07	61	59	+1	S	5	ogu	5	-	62	59	8.3	-		
GERMANY, &c.	Scilly (St. Mary's)...	29.79	62	S	5	0	29.73	-0.09	62	59	0	SSW	4	c	4	0	65	58	4.6	-	
	Jersey (St. Aubins)...	29.94	64	SSW	3	b	29.88	0.00	64	62	+1	SE	3	otm	3	bc,b,g	68	60	6.8	0.16	
	Portland Bill ...	29.90	60	SW	3	bc	29.85	0.00	60	60	-1	SSE	3	0	3	bc	65	58	*	0.01	
	Dungeness ...	29.93	63	SW	4	0	29.94	+0.01	64	63	+1	SSW	4	bc	2	bc,c	68	59	*	-	
	Wick ...	29.70	56	S	4	c	29.56	-0.24	57	55	+3	S	3	bc	2	-	59	52	*	0.03	
	Nairn ...	29.65	63	SW	1	cm	29.55	-0.23	60	56	+5	SW	2	bm	1	-	68	53	*	-	
	Aberdeen ...	29.76	54	SSE	3	om	29.63	-0.22	59	56	+5	S	2	bc	2	rom	60	53	0.0	0.06	
	Leith ...	29.70	62	SE	1	0	29.64	-0.18	64	58	+12	SW	2	bc	*	-	64	51	*	-	
	North Shields ...	29.75	57	ESE	2	om	29.72	-0.15	60	57	+5	SSW	2	cwm	2	o,om	61	54	*	-	
FRANCE.	Spurn Head ...	29.82	62	SE	4	bc	29.83	-0.06	59	57	+1	SSW	3	aw	2	-	65	55	*	-	
	Yarmouth ...	29.85	64	SSE	3	bc	29.89	-0.01	60	57	-1	SSW	3	bcw	2	bc	65	54	*	-	
	Loughborough ...	29.81	69	SW	3	c	29.83	-0.04	60	58	+2	S	2	aw	*	f,bc,c,b	75	55	*	-	
	Oxford ...	29.87	63	S	2	b	29.85	-0.03	61	59	0	SSW	1	0	*	f	73	57	*	-	
	London (Brixton)	29.84	66	SW	2	c	29.89	-0.00	64	61	0	SSW	2	c	*	xc,bw	71	54	11.6	0.09	
	The Scaw (Skagen)	30.01	52	W	1	b	30.01	+1.10	56	55	+2	S	2	0	0	-	57	48	*	-	
	Fanö ...	30.01	58	ESE	2	0	29.96	-0.03	58	58	+4	ESE	2	m	*	-	63	54	*	-	
	Cuxhaven ...	30.00	63	E	1	bc	29.99	+0.05	61	60	+3	Z	0	bc	*	-	63	58	*	-	
	The Helder ...	29.91	66	SE	1	bc	29.91	0.00	63	60	0	WSW	2	c	1	-	70	61	*	-	
SPAN. PEN.	Brussels...	*	*	*	*	*	29.99	-0.01	66	64	+2	S	2	0	*	-	75	59	*	-	
	Berlin ...	30.04	66	Z	0	b	30.09	+0.07	62	61	-1	Z	0	b	*	-	73	57	*	-	
	Frankfurt ...	30.05	66	ENE	1	bc	30.06	0.00	61	59	0	E	1	b	*	-	75	57	*	-	
	Munich ...	30.13	62	Z	0	c	30.18	+0.05	65	62	+3	W	2	c	*	-	68	57	*	0.08	
	C. Gris Nez ...	29.95	64	SW	4	m	29.95	+0.02	63	62	0	S	3	0	2	-	72	57	*	-	
	Brest ...	29.91	61	S	2	0	29.82	-0.09	62	62	+1	SW	2	0	2	-	66	61	*	0.04	
	Lorient ...	29.96	65	SW	4	f	29.88	-0.02	64	64	+3	S	3	0	4	-	70	61	*	0.08	
	Rochefort ...	30.01	73	Z	0	0	29.88	-1.12	68	65	+2	SSE	4	0	*	0	77	66	*	-	
	Biarritz ...	30.02	81	Z	0	c	29.94	-1.14	77	65	+11	S	6	c	1	-	88	61	*	-	
SPAN. PEN.	Paris ...	29.98	71	SSW	2	bc	30.01	-0.01	59	59	-4	SSE	2	0	*	-	77	58	*	0.08	
	Belfort ...	30.01	68	WSW	2	c	30.06	0.00	61	59	+1	Z	0	m	*	-	76	56	*	-	
	Lyons ...	30.06	72	S	1	b	30.07	-0.02	64	60	0	SE	1	bc	*	-	80	59	*	-	
	Nice ...	30.06	67	Z	0	bc	30.04	-0.07	68	64	+5	Z	0	b	2	-	73	61	*	0.01	
	Perpignan ...	30.06	70	NE	1	c	30.04	-0.06	64	64	-1	W	2	0	*	-	80	58	*	-	
SPAN. PEN.	Corunna ...																				
	Lisbon ...																				
SPAN. PEN.	Azores (P. Delgada)	29.96	70	Z	0	0	29.99	-0.01	68	63	-1	NNE	4	b	2	-	75	64	*	-	

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

Erratum: The amount of rainfall at Stockholm in yesterday's report should read "0.12" inch, instead of "1.12" inches.



# WEATHER CHARTS

FOR TUESDAY 2<sup>nd</sup> SEPTEMBER, 1902

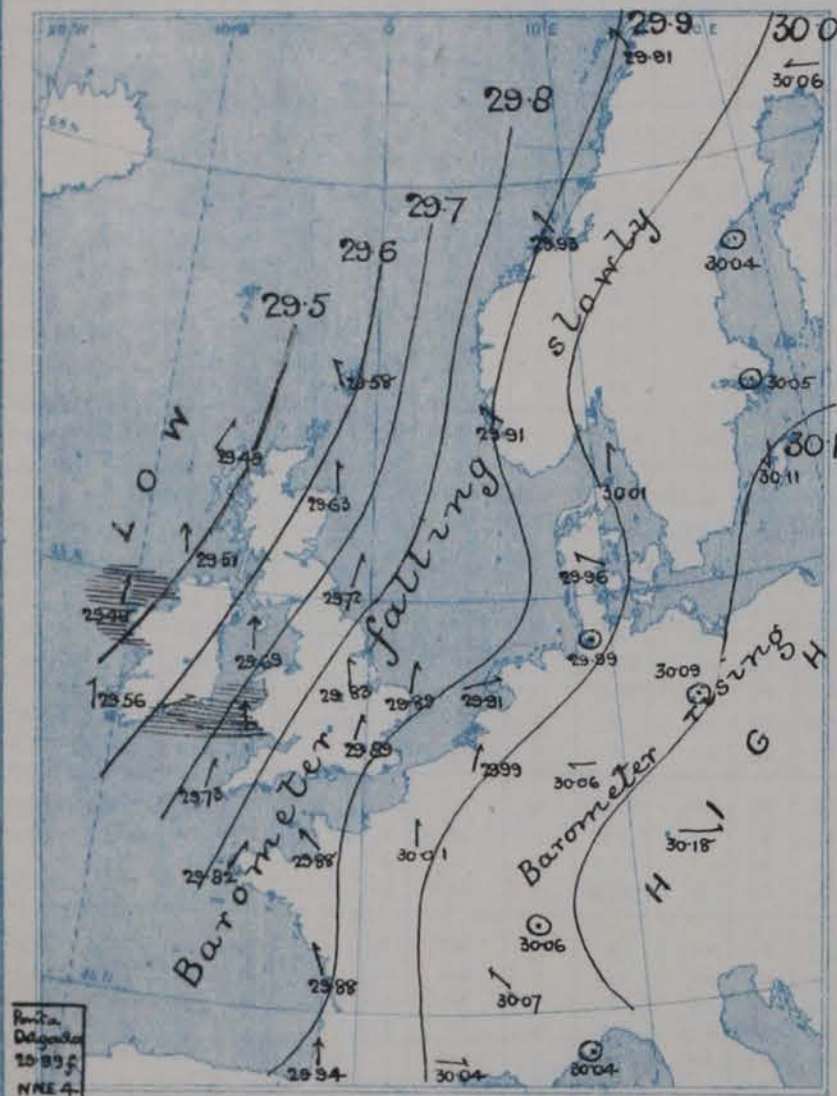
## I. BAROMETER, WIND AND SEA. This Morning.

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

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

Force about 10 → : Force 6 to 7 → : } Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough  : High 

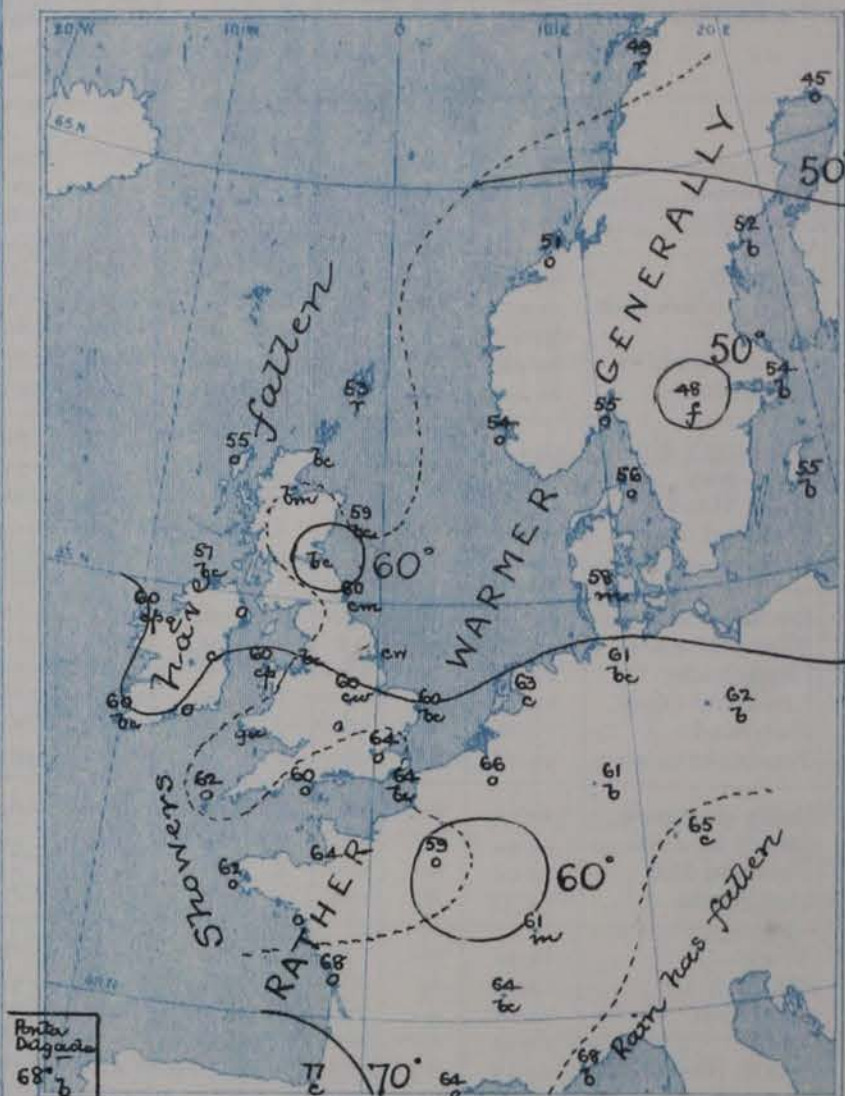


## II TEMPERATURE AND WEATHER. This Morning.

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—0.0



## III BAROMETER AND WIND

Yesterday morning



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

Specimen { Average No of } 3.6  
(for Stornaway) { Hours daily }  
{ Total Possible } 12.6



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

AUGUST-SEPTEMBER (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Since yesterday morning a rather large cyclonic disturbance has travelled in a north-north-easterly direction outside our extreme western coasts, while a secondary system has moved north-eastwards over our southern districts. The barometer is highest over the eastern parts of Germany and the Baltic, where it is about 30.1 in., and lowest off our northwestern coasts, where it is below 29.5 in. Pressure is still decreasing in most places, the movement being greater on our south-west coasts and over the Bay of Biscay than elsewhere. Gradients are moderate.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind remains S<sup>12</sup> over France and the United Kingdom, but draws into S.E. in Denmark and Norway. It has little strength except on the west coasts of Ireland and Wales, where strong breezes are reported. Temperature has risen somewhat at the majority of our own stations and is now above the normal for the time of year throughout our Islands. In London, at Jersey and Leith it is 64°, whence it decreases to 57° in the north of Ireland and at Wick, to 55° at Stormoway and to 53° in the Shetlands. On the Continent it ranges from 77° at Brussels and 62° at Berlin to 54° in the south-west of Norway and to 45° at Haparanda. The sky is at present partially clear in various localities, but much cloud prevails generally; showers are falling at some western stations and steady rain at Jersey and Lumburgh Head and also in the north of Norway. The sea is rather rough on some parts of our western coasts, moderate to smooth elsewhere.

During yesterday the thermometer recorded maxima of 75° at Loughborough, 73° at Oxford and 71° in London and the succeeding night was warm generally. Rain has again been experienced in most parts of our area, but the amounts have been small except at Blackrod Point. A considerable amount of bright sunshine occurred at a few western stations, but in the east and south there was very little. The S.W. wind rose to a moderate gale in some parts of Ireland during the night.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance off our north-west coasts is likely to travel away without further seriously affecting the winds or weather over our Islands, but a renewed fall of the barometer in the south-west indicates the approach of another system which will cause unsettled, showery weather over the Kingdom generally.

## FORECASTS \*

For the 24 hours ending at NOON on 3<sup>rd</sup> September, 1902

### DISTRICTS.

### FORECASTS.

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

S<sup>12</sup> breezes; changeable, fair intervals, occasional rain. Warm.

Light or moderate winds between S.E. and S.W.; warm, fair intervals, with some showers. Air close.

### DISTRICTS.

### FORECASTS.

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

S<sup>12</sup> to S.W<sup>12</sup> winds, force variable; very unsettled, rain at times. Rather warm.

### WARNINGS

At 7.15 p.m. yesterday to districts 0, 6, 7, 9, 10 and parts of 1 and 8, 'Hoist South Cone.'

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

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



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins. Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine Hrs.	Rainfall Ins.
						Dry.	Wet.	Change.					Max. °	Min. °		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	bc	*	c, bc	67	56	4.0	-
Newton Reigny (Penrith) ...	29.73	60	SE	o	29.68 -13	58	56	+5	SE	o	*	o, c, r	65	53	0.3	0.02
Bath ... ..	29.85	66	SW	b	29.83 -0.2	61	59	0	SW	b	*	-	72	58	7.5	0.01

## 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. ...	68	52	o, c, b, c	1.4	0.05	Worthing ... ..	*	*	*	3.0	*
Birmingham, 9 p.m. ...	70	56	b	5.6	0.03	Llandudno ... ..	*	*	*	3.2	*
Lowestoft, up to 6 p.m. ...	66	57	c	2.0	0.24	Rhyl up to 6 p.m. ...	*	*	*	4.5	*
Hastings ... ..	*	*	*	0.4	*	Southport, 9 p.m. ...	69	49	o, c, o	4.0	-
Eastbourne up to 6 p.m. ...	*	*	*	0.7	*	Manchester, 9 p.m. ...	75	53	b	4.3	0.01
Brighton ... ..	*	*	*	2.5	*	Darwen, 9 p.m. ...	61	46	c, w	4.1	0.01

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

STATIONS. 1 <sup>ST</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 31 <sup>ST</sup> AUGUST	TEMPERATURE, F. at 1 p.m. °	WEATHER.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
Marseilles ... ..	79	61	o, f	Ins. 0.04	Geneva ... ..	INFORMATION NOT RECEIVED.		Ins.
Utrecht... ..	64	59	f, o	—	Berne ... ..			
Copenhagen... ..	63	52	o, o	—	Lucerne ... ..			
Prague ... ..	75	59	bc, f	—	Lausanne ... ..			
Vienna ... ..	79	59	bc, c	—	Lugano ... ..			
Buda-Pesth ... ..	81	63	b, b	—	Locarno ... ..			
St. Petersburg ... ..	52	45	o, o	0.04				
Rome ... ..	93	71	b, c	—				
Malta ... ..	86	69	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.

\* 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 <sup>nd</sup> SEPT., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.7	11.53	6.39
Greenwich ... ..	5.16	12.0	6.44
Wick ... ..	5.15	12.12	7.9
Valencia ... ..	5.56	12.41	7.26

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 3<sup>RD</sup> SEPTEMBER

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 ...	30.11	47	SE	2	0	30.10	+0.4	50	46	+5	SSW	4	0	*	-	70	43	*	-	
	Hernösand ...	30.07	52	S	2	0	30.03	-0.1	53	51	+1	S	2	0	*	-	63	43	*	-	
	Stockholm ...	30.13	53	Z	0	0	30.11	+0.6	57	56	+3	SSE	4	0	*	-	64	46	*	-	
	Wisby ...	30.12	54	Z	0	0	30.14	+0.3	55	54	0	S	2	0	*	-	59	48	*	-	
	Karlstad ...	30.06	55	Z	0	0	30.00	-0.7	57	56	+9	SE	2	0	*	-	59	48	*	-	
	Færder (X'iania Fjord) ...	30.02	57	NE	2	0	29.95	-1.07	57	57	+2	S	2	m	1	-	57	55	*	0.04	
	Bodö ...	29.96	49	Z	0	0	29.83	-0.8	51	47	+2	E	4	0	1	-	51	46	*	-	
	Christiansund ...	29.84	56	SE	2	0	29.83	-1.0	55	53	+4	SE	1	0	1	-	57	46	*	0.04	
	Skudesnaes ...	29.88	59	S	4	0	29.79	-1.2	57	56	+3	SE	2	f	3	0	61	54	*	-	
	Sumburgh Head ...	29.64	57	SSE	1	0	29.52	-0.6	53	53	0	ESE	3	f	4	0, b	61	51	*	0.06	
BRITISH ISLANDS.	Stornoway ...	29.55	60	SSW	2	0	29.36	-1.3	54	54	-1	E	1	od	1	c, b	63	50	11.1	0.03	
	Malin Head ...	29.50	63	S	5	c	29.06	-1.45	55	55	-2	NW	7	f	5	b, c	68	53	*	0.94	
	Blacksod Pt. ...	29.47	61	SSW	5	cm	29.26	-1.22	59	57	-1	W	3	cm	3	bc, cm	63	55	*	0.02	
	Valencia ...	29.50	61	S	2	og	29.39	-1.17	59	56	-1	WSW	4	bcp	5	c, og	65	55	7.5	0.03	
	Roche's Point ...	29.54	61	S	1	0	29.41	-1.21	57	56	-3	WSW	4	bc	2	bc, ot	64	53	*	1.05	
	Parsonstown ...	29.52	65	SE	1	0	29.29	-1.30	53	52	-7	SW	1	ot	*	bc, o	70	51	6.8	0.75	
	Donaghadee ...	29.58	59	SW	2	r	29.02	-1.61	59	59	+2	SSW	5	otu	4	f	65	55	*	1.25	
	Liverpool Obsy. ...	29.64	63	SSE	2	op	29.24	-1.50	60	54	-1	SSW	7	o	4	bc, op	69	60	*	0.02	
	Holyhead ...	29.62	62	S	3	c	29.05	-1.64	56	56	-4	SW	8	tg	6	bc, c	65	55	*	0.84	
	Pembroke (St. Ann's) ...	29.61	60	SSE	3	0	29.43	-1.29	58	55	-3	SW	7	cg, cu	6	o, tg	63	55	5.9	0.79	
GERMANY, &c.	Scilly (St. Mary's) ...	29.57	63	SE	4	f	29.55	-1.18	60	58	-2	SW	6	cg	6	o, f	66	57	3.1	0.74	
	Jersey (St. Aubin's) ...	29.74	65	SSE	2	op	29.66	-1.22	63	60	-1	W	5	bc	4	tr, op, g	68	62	0.2	0.17	
	Portland Bill ...	29.72	61	S	3	tm	29.59	-1.26	60	57	0	W	6	cg	5	o, tm	65	59	*	0.10	
	Dungeness ...	29.82	63	SE	5	c	29.64	-1.30	66	65	+2	SSW	5	c	2	f, c, g	68	62	*	0.20	
	Wick ...	29.60	59	S	3	bc	29.39	-1.17	54	53	-3	S	4	f	3	-	65	53	*	0.15	
	Nairn ...	29.57	64	Z	0	c	29.27	-1.28	58	57	-2	E	1	f	1	-	69	54	*	0.23	
	Aberdeen ...	29.66	57	S	1	0	29.31	-1.32	55	55	-4	SE	3	ot, f	4	o	61	53	1.7	0.08	
	Leith ...	29.63	62	S	2	0	29.16	-1.48	62	60	-2	ESE	3	f	*	-	65	56	*	0.12	
	North Shields ...	29.67	60	ESE	3	0	29.29	-1.47	60	59	0	SE	4	ou	3	c, o, f	70	55	*	0.01	
	Spurn Head ...	29.74	62	SSE	4	c	29.44	-1.39	63	61	+4	SSE	6	bc	4	-	71	58	*	0.01	
FRANCE.	Yarmouth ...	29.82	64	S	4	od	29.61	-1.28	65	63	+5	S	4	ot	4	b, od	65	57	*	0.31	
	Loughborough ...	29.72	65	SE	2	0	29.42	-1.41	65	62	+5	S	5	cg	*	bc, c, g, p	71	60	*	0.02	
	Oxford ...	29.71	63	SSE	1	c	29.51	-1.34	64	62	+3	SSW	3	cg, p	*	c, f	67	61	*	0.10	
	London (Brixton) ...	29.77	65	SE	2	ot	29.55	-1.34	69	65	+5	SW	5	c	*	c, ot, o	70	62	1.0	0.07	
	The Scaw (Skagen) ...	29.98	59	SE	2	m	29.93	-1.08	58	58	+2	SSE	1	f	0	-	61	55	*	-	
	Fanö ...	29.98	55	SE	1	0	29.86	-1.10	62	62	+4	ESE	3	o	*	-	68	55	*	-	
	Cuxhaven ...	29.96	69	Z	0	c	29.89	-1.10	65	63	+4	S	3	o	*	-	72	61	*	-	
	The Helder ...	29.57	67	E	1	0	29.71	-1.20	68	65	+5	S	2	c	1	-	73	63	*	0.20	
	Brussels ...	*	*	*	*	*	29.78	-1.21	69	64	+3	SSE	4	o	*	-	76	65	*	-	
	Berlin ...	30.06	69	Z	0	0	30.06	-1.03	65	61	+3	SSE	1	0	*	-	77	59	*	-	
SPAN. PEN.	Frankfurt ...	30.00	67	S	2	0	29.98	-1.08	64	60	+3	SSE	2	0	*	-	81	59	*	0.04	
	Munich ...	30.14	63	SE	2	0	30.10	-1.08	60	58	-5	SE	1	0	*	-	73	50	*	-	
	C. Gris Nez ...	29.84	67	ESE	2	f	29.66	-1.29	67	64	+4	S	5	o	4	-	72	63	*	0.16	
	Brest ...	29.63	62	SE	5	f	29.70	-1.12	60	59	-2	WNW	3	bc	4	-	64	59	*	0.20	
	Lorient ...	29.73	65	S	4	0	29.69	-1.19	63	61	-1	WSW	6	c	7	-	68	54	*	0.39	
	Rochefort ...	29.82	72	SSW	3	c	29.82	-1.06	70	67	+2	WSW	3	c	*	c	79	64	*	-	
	Biarritz ...	29.85	82	ESE	3	bc	29.91	-1.03	77	67	0	S	4	0	2	-	90	73	*	-	
	Paris ...	29.85	75	SE	2	0	29.79	-1.22	68	63	+9	SSE	3	o	*	-	80	75	*	-	
	Belfort ...	?	71	?	2	c	29.97	-1.09	63	60	+2	Z	0	bc	*	-	78	57	*	-	
	Lyons ...	29.98	73	SE	1	0	30.00	-1.07	69	57	+5	S	2	0	*	-	83	60	*	-	
SPAN. PEN.	Nice ...	29.97	69	NE	1	m	30.01	-1.03	73	69	+5	E	2	m	3	-	77	63	*	-	
	Perpignan ...	29.93	72	NE	1	0	29.97	-1.07	65	63	+1	WSW	1	0	*	-	78	59	*	-	
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 WEDNESDAY, 3<sup>rd</sup> SEPTEMBER, 1902

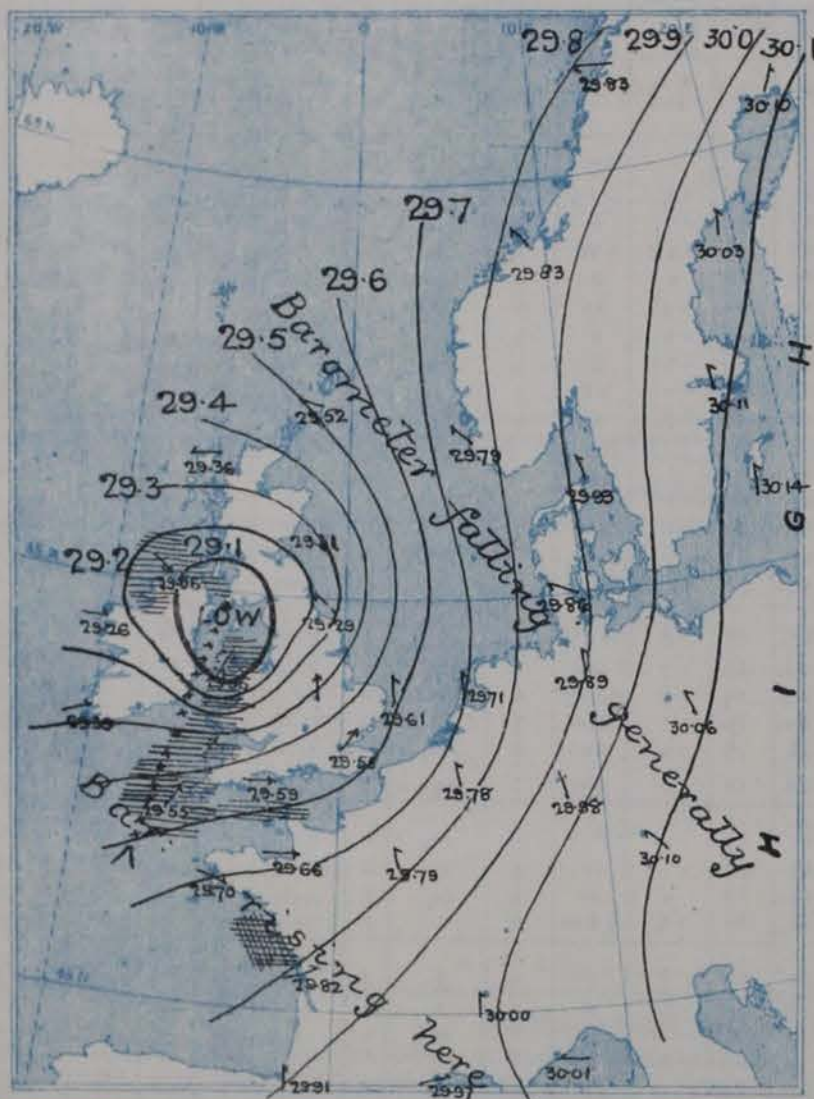
## I. BAROMETER, WIND AND SEA. This Morning.

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 ■

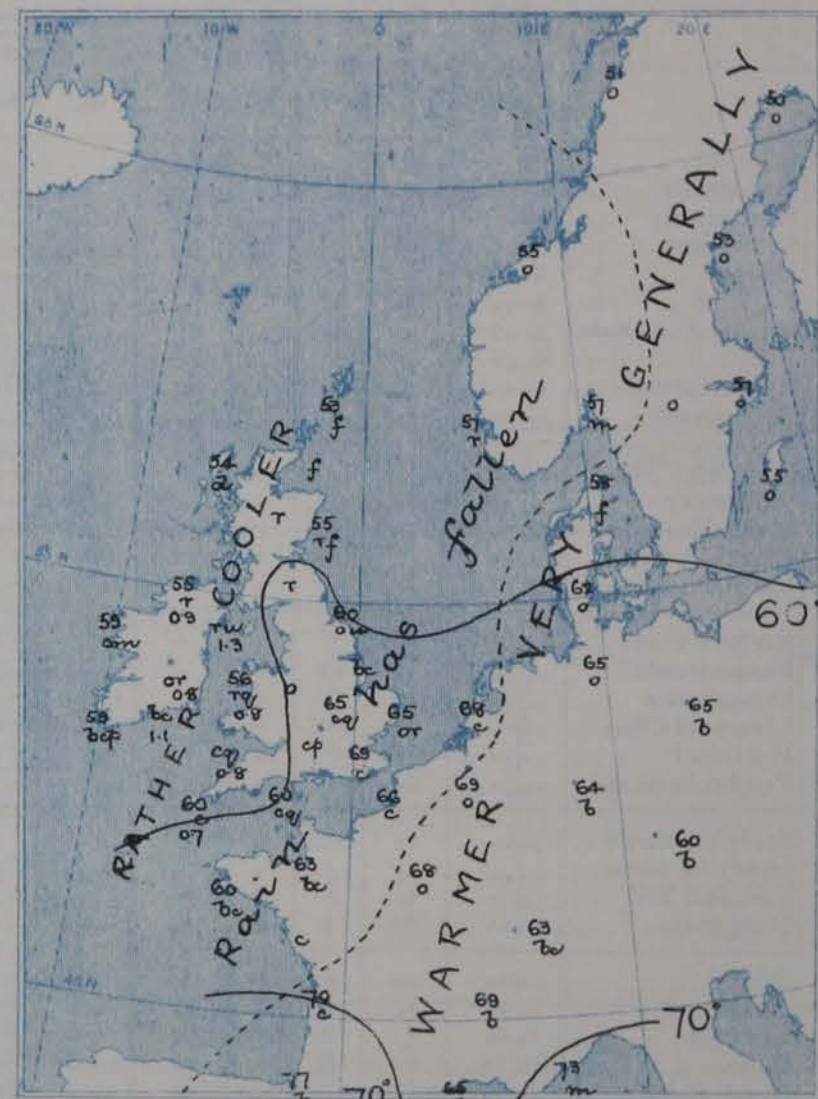


## II. TEMPERATURE AND WEATHER This Morning

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 2.)

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

Specimen { Average No. of Hours daily } 3.6  
(for Stornaway) { Total Possible } 12.6



## V. Means of DAILY TEMPERATURE

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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

During the past night a cyclonic system, which at 6 p.m. lay off our south-west coasts and was of little depth, travelled quickly northwards and at the same time increased greatly in energy. Its centre, where the barometer is about 29.0 ins, now lies over the North Channel. Pressure is highest, 30.1 ins. and upwards, over the Baltic and the extreme eastern part of our area generally. The mercury has begun to rise again in the south and south-west, but still falls quickly in the north. Gradients are steep over the St. George's Channel, rather as in most other localities.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind circulates round the basic minimum noticed above, the S.E.<sup>1</sup> and E.<sup>2</sup> current in the extreme north being light, and the W.<sup>3</sup> to S.<sup>4</sup> current over our more southern districts fresh or strong generally, and attaining the force of a fresh gale at Holyhead. Temperature has fallen a few degrees over Ireland, Wales and Scotland, but risen over England and on the Continent. In London it is as high as 69° (11° above the normal), whence it decreases to 60° at Shields, 54° at Stornoway and to 53° at Parnassus. At the Continental stations the readings range from 77° at Biarritz to 68° at Paris, 65° at Berlin, 57° at Stockholm and to 50° at Haparanda. The weather, although at present fair in some localities, is in a very changeable condition, with showers at many southern stations and steady rain in the north. Over the north-east of Scotland and in the Shetlands fog prevails. Over Germany and the south and east of France the conditions are more settled and the sky clear. The sea is rough in the west and south-west, moderate on most other parts of our coasts.

The maximum temperatures recorded over the United Kingdom yesterday were 71° at Spurn Head and Loughborough; at Parnassus the thermometer rose to 80° and at Biarritz to 90°. Rain has fallen throughout our Islands, the amount being heavy in the west generally, and especially as in Ireland; at Donaghadee as much as 1.25 in. has been measured. Bright Sunshine was very prevalent at Stornoway and fairly as in the west; in the south there was very little. The night was very warm, temperature not descending below 60° over central and southern England.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It appears probable that the disturbance will continue to move northwards and cause an increase of wind, with gales in places, over the northern half of the Kingdom generally.

## FORECASTS \*

For the 24 hours ending at NOON on 4<sup>th</sup> September, 1902

### DISTRICTS.

### FORECASTS.

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

S.E.<sup>1</sup> to S.<sup>2</sup> or S.W.<sup>3</sup> winds, fresh or strong; a gale in places; squally, rainy.

S.W.<sup>3</sup> and S.<sup>2</sup> winds, moderate or fresh; changeable, showery, fair intervals. Warm

### DISTRICTS.

### FORECASTS.

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

Same as Nos. 0 to 2.



S.W.<sup>3</sup> to W.<sup>4</sup> or N.W.<sup>5</sup> winds, strong to a gale, then moderating; squally, rain at times. Cooler.

S.W.<sup>3</sup> and W.<sup>4</sup> breezes, fresh or strong; changeable, some showers.

W.<sup>4</sup> to N.W.<sup>5</sup> or N.<sup>6</sup> winds, strong, perhaps a gain rain at times, squally.

Wind chiefly W.<sup>4</sup>, changeable, showery.  
(The South Cone was lowered yesterday in districts 6, 7, 9, 10 and parts of 1 and 8. At 9.30 am to-day to districts 0, 1, 2, 3 and 7. Hoist South Cone and to district 9. Hoist North Cone.)

### WARNINGS

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

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



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 4 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	*	bc, r	67	62	4.0	0.53
Newton Reigny (Penrith)	29.63	62	SE 1	o	29.15 - .53	64	61	+ 6	SW 4	o	*	cm, org	68	57	2.7	0.22
Bath ... ..	29.71	64	SE 1	o	29.54 - .29	61	57	o	SW 5	c	*	-	67	64	1.0	0.14

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	69	51	b, c, o	0.4	-	Worthing up to 6 p.m. ...	*	*	*	0.5	*
Birmingham, 9 p.m. ...	65	56	o	1.1	0.06	Llandudno ... ..	*	*	*	5.5	*
Lowestoft, up to 6 p.m. ...	68	53	p, o	4.7	-	Rhyl up to 6 p.m. ...	*	*	*	5.0	*
Hastings up to 6 p.m. ...	*	*	*	0.6	*	Southport, 9 p.m. ...	71	55	c, op, g	5.2	-
Eastbourne up to 6 p.m. ...	*	*	*	0.0	*	Manchester, 9 p.m. ...	73	55	bc	4.5	0.12
Brighton ... ..	*	*	*	0.5	*	Darwen, 9 p.m. ...	66	52	o, u, m	5.1	0.05

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

STATIONS. 2 <sup>nd</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 1 <sup>st</sup> SEPTEMBER	TEMPERATURE, F. at 1 p.m.		WEATHER. 1 p.m.	RAIN. (measured at 7 a.m.)
	Max.	Min.				°	°		
Marseilles ... ..	77	59	o, b	Ins. 0.04	Geneva ... ..	23		bc	0.08
Utrecht ... ..	73	61	c, c	-	Berne ... ..	68		c	0.08
Copenhagen ... ..	61	52	b, o	-	Lucerne ... ..	72		c	0.04
Prague ... ..	75	59	o, o	0.16	Lausanne ... ..	?		?	?
Vienna ... ..	61	63	lt, r, r	0.91	Lugano ... ..	66		r	2.36
Buda-Pesth ... ..	81	68	c, bc	-	Locarno ... ..	?		?	1.38
St. Petersburg ... ..	50	45	c, r	0.04					
Rome ... ..	89	68	b, bc	-					
Malta ... ..	84	75	c	-					
Madeira (Funchal) ... ..	77	61	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.

3 <sup>rd</sup> SEPT., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.8	11.52	6.37
Greenwich ... ..	5.17	11.59	6.42
Wick ... ..	5.17	12.11	7.6
Valencia ... ..	5.57	12.40	7.24

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

Thursday 4<sup>th</sup> September.

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.	Dirac.	Force (0 to 12.)		At 32° 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.
SCANDINAVIA.	Haparanda ...	29.93	52	S	4	0	29.76	-34	51	51	+1	S	2	f	*	-	52	45	*	0.16		
	Hernösand ...	29.91	55	S	2	0	29.72	-31	57	56	+4	S	6	f	*	-	57	48	*	0.20		
	Stockholm ...	30.04	59	S	4	f	29.93	-18	60	59	+3	S	2	o	*	-	63	48	*	0.08		
	Wisby ...	30.13	58	S	2	c	30.00	-14	63	59	+8	S	2	c	*	-	68	43	*	-		
	Karlstad ...	29.91	61	Z	0	0	29.87	-13	59	59	+2	SSW	2	c	*	0.21	*	*	*	0.39		
	Færder (X'ania Fjord)	29.80	60	SSE	4	0	29.82	-13	59	57	+2	SSW	4	m	2	-	60	57	*	0.32		
	Bodö ...	29.67	50	E	1	0	29.59	-24	55	50	+4	E	2	o	1	-	7	46	*	0.16		
	Christiansund ...	29.62	59	ENE	2	f	29.60	-23	58	55	+3	ENE	2	b	2	-	39	55	*	0.04		
BRITISH ISLANDS.	Skudesnaes ...	29.61	59	SSE	8	0	29.66	-13	57	55	0	S	6	c	4	T.O	59	54	*	*		
	Sumburgh Head	29.12	56	ESE	4	bc	29.08	-44	51	50	-2	S	4	f	6	r, bc	56	50	*	0.30		
	Stornoway ...	28.94	59	Z	0	ot	29.27	-09	52	52	-2	NNW	6	f	6	d, ot, L	65	51	1.5	0.60		
	Malin Head ...	29.31	58	WNW	7	cyp	29.56	+50	55	55	0	WNW	7	rq	5	o, cyp	58	53	*	0.76		
	Blacksod Pt. ...	29.41	61	WSW	3	bcp	29.70	+44	58	55	-1	NW	4	c	3	b, bcp	63	52	*	0.03		
	Valencia ...	29.51	60	SW	4	c	29.73	+34	57	56	-2	NNE	1	c	4	c, bcp, c	64	52	8.7	0.15		
	Roche's Point ...	29.56	61	SW	4	c	29.70	+29	60	57	+3	WNW	3	bc	5	bc, p, c, p	64	54	*	0.12		
	Parsonstown ...	29.48	59	SW	1	cp	29.69	+40	54	53	+1	W	1	c	*	cp	65	49	7.3	0.12		
GERMANY, &c.	Donaghadee ...	29.41	64	W	5	cp	29.63	+61	55	54	-4	W	3	o	3	-	64	48	*	0.44		
	Liverpool Obsy.	29.62	63	WSW	5	b	29.73	+49	58	55	-2	SW	3	c	3	b	65	54	*	0.01		
	Holyhead ...	29.56	59	SW	7	bqm	29.68	+63	59	57	+3	SW	6	c	4	bc, bqm	62	56	*	0.23		
	Pembroke (St. Ann's)	29.65	61	SW	7	b	29.73	+30	60	56	+2	SSW	6	cq	6	b, q, p	62	55	7.1	0.23		
	Scilly (St. Mary's)...	29.73	62	SW	5	cp	29.76	+21	62	58	+2	SW	5	cp	5	cp	64	58	10.3	0.09		
	Jersey (St. Aubins)...	29.90	66	SSW	3	bc	29.95	+29	65	62	+2	SW	4	b, m	3	g, bc	70	60	9.0	0.01		
	Portland Bill ...	29.84	61	SSW	5	b	29.89	+30	61	59	+1	SSW	4	bc	5	q, bc, b	64	60	*	-		
	Dungeness ...	29.89	64	W	5	b	29.96	+32	63	62	-3	WSW	4	bc	2	bc, b	68	60	*	-		
FRANCE.	Wick ...	28.98	56	S	6	o	29.19	-20	55	54	+1	SW	2	f	3	o, L	58	52	*	0.10		
	Nairn ...	28.95	59	WSW	5	c	29.22	-05	57	55	-1	WNW	3	f	3	-	69	53	*	0.07		
	Aberdeen ...	29.14	56	SW	8	cqm	29.35	+04	54	52	-1	SW	4	mgq	4	r, cqm	62	53	2.5	0.19		
	Leith ...	29.30	59	SW	5	bc	29.47	+31	58	54	-4	SSW	4	o	*	-	71	52	*	0.10		
	North Shields ...	29.45	63	SW	5	bc	29.62	+33	62	57	+2	SW	3	b	3	bc	68	55	*	-		
	Spurn Head ...	29.64	65	SSW	6	bc	29.74	+30	61	58	-2	SSW	6	bc	4	-	70	56	*	-		
	Yarmouth ...	29.74	68	SW	3	b	29.87	+26	62	59	-3	SSW	4	bw	3	bc, b	71	56	*	0.02		
	Loughborough ...	29.69	66	SW	3	b	29.80	+38	59	56	-6	SSW	4	b, q, u, w	*	bc, b	69	55	*	-		
SPAN. PEN.	Oxford ...	29.80	60	SW	5	b	29.86	+35	62	58	-2	SSW	4	b	*	bc, b	68	57	*	-		
	London (Brixton)	29.81	65	SW	4	bc	29.90	+35	62	58	-7	S	3	bc	*	bc, bw	72	57	7.2	-		
	The Scaw (Skagen)	29.82	60	SSW	3	m	29.86	-07	58	57	0	SW	1	b	0	-	61	57	*	0.20		
	Fanö ...	29.87	62	SSW	2	o	29.91	+05	60	59	-2	SSW	2	b	*	o, L	72	59	*	0.12		
	Cuxhaven ...	29.84	73	S	4	o	29.99	+10	62	59	-3	SW	3	b	*	L, o	73	61	*	-		
	The Helder ...	29.81	63	SW	3	b	29.91	+20	65	61	-3	SW	3	b	1	-	75	55	*	-		
	Brussels ...	*	*	*	*	*	30.01	+23	62	59	-7	SW	3	bc	*	-	79	57	*	-		
	Berlin ...	30.01	72	Z	0	b	30.02	-04	65	61	0	SSE	1	b	*	-	81	61	*	-		
SPAN. PEN.	Frankfurt ...	29.99	69	S	1	b	30.04	+06	68	63	+4	S	2	b	*	-	88	64	*	-		
	Munich ...	30.13	66	Z	0	b	30.18	+08	65	62	+5	SE	1	b	*	-	79	57	*	-		
	C. Gris Nez ...	29.90	62	SW	5	b	29.98	+22	62	60	-5	SSW	4	o	4	-	70	55	*	-		
	Brest ...	29.90	63	SW	3	bc	29.92	+22	61	59	+1	SW	2	bc	3	-	66	59	*	-		
	Lorient ...	29.96	66	WSW	5	c	29.96	+27	63	59	0	SW	4	o	5	-	70	61	*	0.08		
	Rochefort ...	30.03	68	NNW	2	c	30.02	+20	64	63	-6	S	2	o	*	o, c	75	63	*	-		
	Biarritz ...	30.06	69	NNW	1	o	30.08	+17	63	62	-14	NNE	3	f	4	-	77	61	*	0.04		
	Paris ...	29.95	73	WSW	3	bc	30.05	+26	59	57	-9	SSE	2	bc	*	-	83	57	*	-		
SPAN. PEN.	Belfort ...	29.97	75	WSW	2	b	30.03	+06	66	59	+3	Z	0	m	*	-	79	57	*	-		
	Lyons ...	30.02	74	S	2	b	30.05	+05	66	60	-3	S	1	b	*	-	81	57	*	-		
	Nice ...	30.08	69	S	1	b	30.09	+08	71	64	-2	E	1	b	0	-	79	64	*	-		
	Perpignan ...	30.05	71	E	3	o	30.04	+07	72	70	+7	NE	2	o	*	-	80	65	*	-		
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 4<sup>th</sup> SEPTEMBER 1902

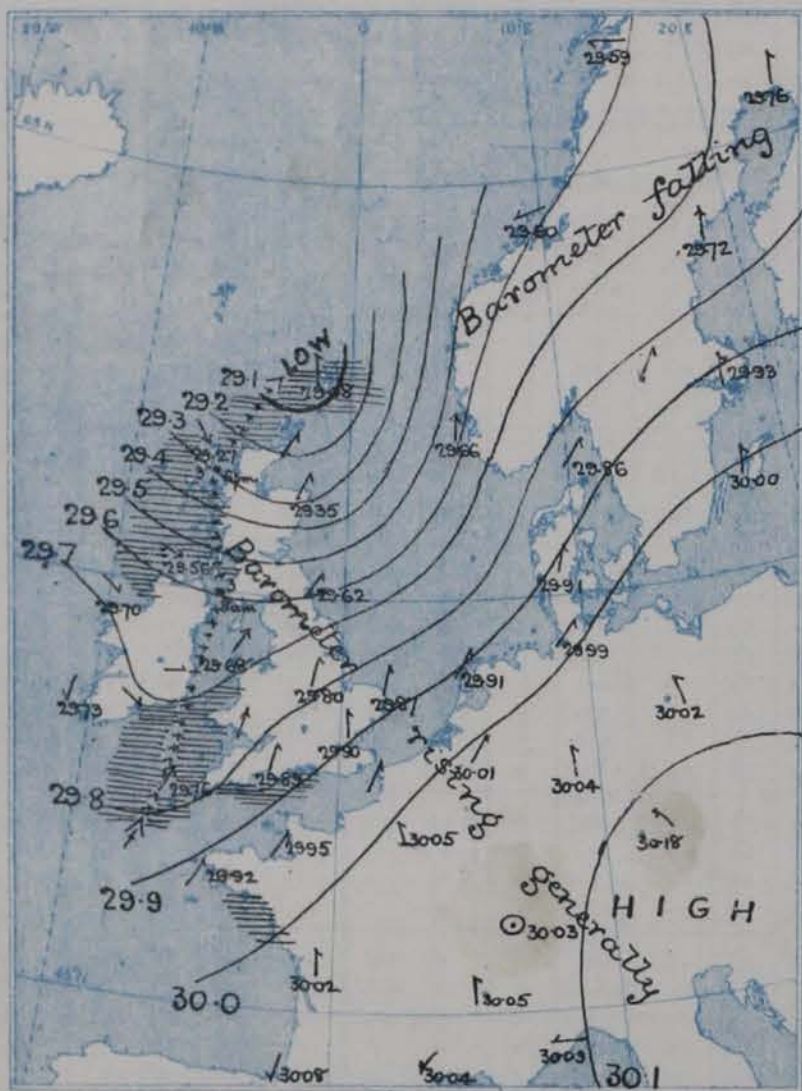
## I. BAROMETER, WIND AND SEA. This Morning.

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°.

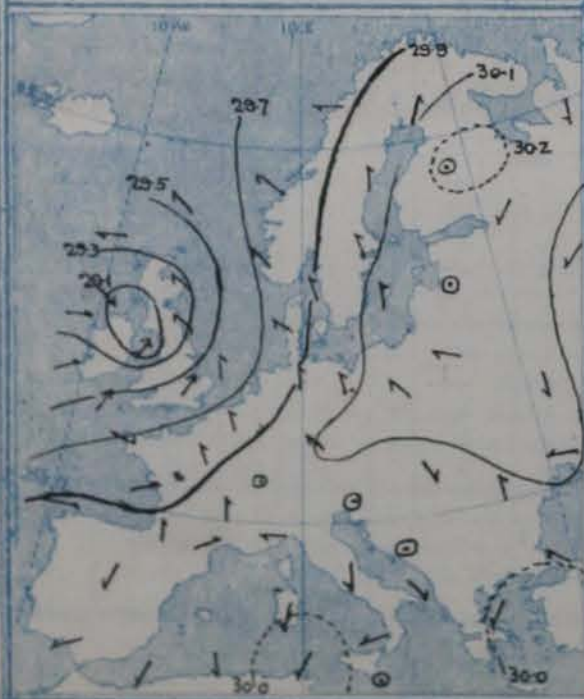
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 1)

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 SEPTEMBER.

Specimen { Average No of Hours daily } 3.6  
(for Stornaway) { Total Possible } 12.6



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

AUGUST-SEPTEMBER (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The deep cyclonic disturbance noticed yesterday has since travelled northwards and now lies between the Shetland and Farøe Isles, the barometer at its centre being about 29.0 ins. The highest readings, upwards of 30.0 ins., are found over France, Germany, the Baltic and central Europe. A secondary disturbance has appeared over Ireland during the night, but the mercury is now rising again over our Islands and their neighbourhood.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind has veered to the N.W. in the extreme west and north-west and still blows strongly in the Hebrides and at Malin Head; in our other districts and over western Europe generally it remains S. or S.W. and has decreased greatly in force over these Islands, although it still blows freshly or strongly at some western stations and at Spurn Head. Temperature has fallen somewhat in most places, but it is still fairly high for the time of year - especially over England. It ranges from about 71° in the south of France and 68° at Frankfurt to 62° in London and at Oxford, 60° at Stockholm, 57° at Nairn, and to 51° in the Shetlands and the north of Sweden. The weather is fine or fair at most Continental stations as well as over the major portion of the United Kingdom; rain is, however, falling over Scotland, the north of Ireland and the Gulf of Bothnia, and showers at Scilly. The sea is rough off the north of Scotland, and rather so on some parts of our western and south-western coasts. Rain has been general over all our more northern and western districts, the amounts again being heaviest in the north of Ireland. Thunder and lightning have occurred at Cusshaven, Fanø and Karlskrona, and also at Stornoway. Fresh or strong gales were experienced during yesterday on many parts of our northern and north-western coasts. The highest temperature recorded in our Islands was 72° in London. Several hours of bright sunshine were reported, except in Scotland. The night minima were again high over England.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The secondary disturbance over Ireland may be expected to cause showers in several districts as it moves away northwards or north-eastwards, but the main system in the north will probably continue to travel away and gradually cease to affect the wind and weather in our Islands.

## FORECASTS \*

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

### DISTRICTS.

### FORECASTS.

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

S.W. to W. winds, fresh or strong to moderate; changeable, rainy or showery to fair.  
S. and S.W. to W. winds, moderate or fresh; fair as a whole and warm, but local showers probable.

### DISTRICTS.



### FORECASTS.

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

S.W. and W. winds, strong to moderate; rainy, then improving.  
S.W. to W. winds, fresh or strong in places; changeable, some showers. Becoming cooler.  
W. and N.W. winds, moderate or fresh; some showers, fair intervals.

### WARNINGS

The South Cone is still up in districts 0 to 2, 6 and 7, and the North Cone in district 9.

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



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max. °	Min. °		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	bc	*	c, b	72	60	6.9	—
Newton Reigny (Penrith)	29.47	59	SW 3	c	29.62	+ .47	56	53	- 8	SW 3	og	*	cqr, og	66	53	2.7	0.39
Bath ... ..	29.75	65	SW 5	b	29.85	+ .31	61	58	0	SW 4	b	*	—	68	58	9.5	—

## 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. ...	65	59	a, c, b	7.1	0.10	Worthing ... ..	*	*	*	8.1	*
Birmingham, 9 p.m. ...	68	59	b	9.0	0.02	Llandudno ... ..	*	*	*	7.5	*
Lowestoft, up to 6 p.m. ...	74	59	r, b, c	5.3	0.43	Rhyl up to 6 p.m. ...	*	*	*	?	*
Hastings ... ..	*	*	*	8.3	*	Southport, 9 p.m. ...	67	56	op, c, b	5.8	0.02
Eastbourne up to 6 p.m. ...	*	*	*	7.4	*	Manchester, 9 p.m. ...	73	55	p, b, v	6.9	0.02
Brighton ... ..	*	*	*	6.5	*	Darwen, 9 p.m. ...	64	53	b, v	6.2	0.14

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

STATIONS. 3 <sup>rd</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 2 <sup>nd</sup> SEPTEMBER	TEMPERATURE, F. at 1 p.m. °	WEATHER.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
Marseilles ... ..	81	59	b, b	Ins.	Geneva ... ..	70	bc	0.95
Utrecht... ..	77	61	a, o	0.08	Berne ... ..	73	bc	—
Copenhagen... ..	63	57	o, m	—	Lucerne ... ..	75	b	0.04
Prague ... ..	77	59	c, c	—	Lausanne ... ..	?	?	0.04
Vienna ... ..	72	63	b, b	0.47	Lugano ... ..	79	b	0.20
Buda-Pesth ... ..	77	66	b, c	—	Locarno ... ..	?	?	0.99
St. Petersburg ... ..	52	45	o, o	—				
Rome ... ..	81	63	b, b	—				
Malta ... ..	85	75	m	—				
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.

\* 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 <sup>th</sup> SEPT. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	h. m. 5. 9	h. m. 11. 52	h. m. 6. 35
Greenwich ... ..	5. 18	11. 59	6. 40
Wick ... ..	5. 19	12. 11	7. 3
Valencia ... ..	5. 58	12. 40	7. 22

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

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

† Except at Oxford, where the observations are taken at 5 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

FRIDAY 5<sup>TH</sup> SEPTEMBER

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 ...	29.49	52	SW	4	f	29.46	-0.30	52	49	+1	NW	6	0	*	-	54	50	*	0.44	
	Hernösand ...	29.64	59	S	4	b	29.63	-0.09	56	52	-1	SW	2	0	*	-	68	54	*	0.08	
	Stockholm ...	29.86	59	Z	0	b	29.84	-0.09	60	58	0	WSW	2	0	*	-	66	57	*	0.12	
	Wisby ...	29.91	62	S	4	b	29.92	-0.08	61	58	-2	S	2	0	*	-	70	54	*	-	
	Karlstad ...	29.84	59	SW	4	b	29.75	-0.12	58	56	-1	SW	4	0	*	clt, b	*	*	*	0.04	
	Færder (X'ania Fjord)	29.80	58	SSW	6	0	29.72	-0.10	57	55	-2	SW	6	0	3	-	59	57	*	-	
	Bodö ...	29.54	49	SW	1	r	29.62	+0.03	49	48	-6	N	2	0	1	-	57	46	*	0.39	
	Christiansund ...	29.49	60	WSW	2	c	29.56	-0.04	55	53	-3	ESE	2	0	2	-	61	54	*	0.04	
	Skudesnaes ...	29.60	57	S	8	0	29.73	+0.07	53	51	-4	WSW	6	0	4	0	57	52	*	*	
	Sumburgh Head	29.30	50	W	4	0	29.73	+0.65	49	48	-2	WNW	4	0	6	0	52	49	*	0.21	
BRITISH ISLANDS.	Stornoway ...	29.69	51	NW	6	+	29.94	+0.67	49	46	-3	WNW	1	0	1	d, o, r	54	47	0.0	0.10	
	Malin Head ...	29.82	56	WNW	6	op	29.99	+0.43	57	56	+2	W	2	0	2	o, op	57	52	*	0.26	
	Blacksod Pt. ...	29.93	57	NW	4	cp	30.03	+0.33	59	55	+1	WSW	3	0	2	c, cp	62	53	*	0.01	
	Valencia ...	29.99	60	NNW	3	c	30.12	+0.39	57	55	0	Z	0	0	3	c	64	54	8.8	-	
	Roche's Point ...	29.92	63	N	4	b	30.10	+0.40	55	54	-5	NNW	3	bc	2	bc, b	67	52	*	-	
	Parsonstown ...	29.89	64	NW	2	cp	30.07	+0.38	55	54	+1	W	1	c	*	cp	65	51	7.4	0.02	
	Donaghadee ...	29.81	57	N	2	bc	30.04	+0.41	51	51	-4	WSW	1	0	1	-	61	45	*	0.04	
	Liverpool Obsy.	29.87	60	W	3	bcp	30.05	+0.32	57	52	-1	NW	2	0	2	bcp	65	54	*	0.02	
	Holyhead ...	29.88	59	W	1	c	30.05	+0.37	60	57	+1	NW	1	0	1	cm, c	63	56	*	-	
	Pembroke (St. Ann's)	29.89	59	W	2	bc	30.03	+0.30	59	57	-1	N	4	0	3	-	63	56	7.5	0.06	
GERMANY, &c.	Scilly (St. Mary's)...	29.88	64	WSW	2	c	30.02	+0.26	59	57	-3	NNW	4	c	4	c	67	57	11.0	-	
	Jersey (St. Aubins)...	29.96	67	W	3	cg	30.04	+0.09	59	57	-6	NW	3	cm	3	bc, cg, p	70	53	8.0	0.04	
	Portland Bill ...	29.94	62	SW	4	bc	30.03	+0.14	60	58	-1	W	1	bcw	1	bc	65	56	*	0.01	
	Dungeness ...	29.99	63	SW	3	c	29.99	+0.03	58	57	-5	NW	2	bc	1	bc, c	68	55	*	-	
	Wick ...	29.57	52	NW	6	0	29.89	+0.70	51	50	-4	NW	4	+	3	-	56	49	*	0.15	
	Nairn ...	29.64	55	NW	2	c	29.92	+0.70	53	49	-4	W	1	bc	1	-	60	48	*	0.05	
	Aberdeen ...	29.63	56	W	4	0	29.92	+0.57	54	48	0	NW	3	bc	2	op, o	59	49	0.0	0.02	
	Leith ...	29.70	57	WSW	3	0	29.94	+0.47	57	52	-1	WSW	2	bm	*	-	59	47	*	0.04	
	North Shields ...	29.75	60	SW	3	0	29.98	+0.36	55	50	-7	W	3	0	2	bc, p, o	67	46	*	-	
	Spurn Head ...	29.82	62	SW	4	bc	29.98	+0.24	57	55	-4	WNW	3	bc	3	-	70	53	*	-	
FRANCE.	Yarmouth ...	29.89	69	S, v	2	b	29.99	+0.12	60	56	-2	NW	3	bm	2	b	70	53	*	-	
	Loughborough ...	29.88	64	WSW	3	c	30.03	+0.23	54	53	-5	WNW	2	cmw	*	bc, c, bm	70	43	*	-	
	Oxford ...	29.95	59	WSW	2	bc	30.04	+0.18	57	55	-5	NE	1	cmw	*	c, bc	69	48	*	-	
	London (Brixton)	29.93	64	WSW	2	b	30.02	+0.12	56	55	-6	Z	0	bm	*	bc, b	72	53	10.3	-	
	The Scaw (Skagen)	29.88	59	SW	2	bc	29.83	-0.03	59	57	+1	WSW	4	c	0	-	66	57	*	-	
	Fanö ...	29.96	60	SSW	2	b	29.95	+0.04	60	59	0	WSW	2	c	*	-	66	57	*	-	
	Cuxhaven ...	29.99	67	S	1	0	30.00	+0.01	58	57	-4	SW	2	0	*	-	68	55	*	-	
	The Helder ...	29.93	63	SW	3	b	29.95	+0.04	63	61	-2	W	2	c	1	-	68	61	*	-	
	Brussels ...	*	*	*	*	*	30.04	+0.03	57	56	-5	NNW	1	r	*	-	71	56	*	0.39	
	Berlin ...	29.98	77	SE	1	b	29.97	-0.05	64	63	-1	Z	0	f	*	-	82	61	*	0.12	
SPAN. PEN.	Frankfurt ...	30.00	67	N	3	b	29.97	-0.07	64	62	-4	SW	2	bc	*	-	86	61	*	0.08	
	Munich ...	30.04	68	SE	2	b	30.12	-0.06	68	63	+3	W	5	bc	*	-	82	59	*	-	
	C. Gris Nez ...	30.02	64	SW	3	bc	30.01	+0.03	60	59	-2	WSW	3	0	3	-	68	57	*	-	
	Brest ...	29.92	64	SW	1	b	30.04	+0.12	59	58	-2	NNW	2	c	2	-	66	57	*	-	
	Lorient ...	29.99	63	W	3	0	30.04	+0.08	59	57	-4	Z	0	0	5	-	70	57	*	0.20	
	Rochefort ...	29.97	64	NW	2	0	30.07	+0.05	62	59	-2	SW	3	0	*	-	66	57	*	0.39	
	Biarritz ...	30.06	64	S	1	b	30.19	+0.11	63	59	0	SW	4	0	4	b, clt, r	66	59	*	0.59	
	Paris ...	30.02	64	SSE	2	bc	30.03	-0.02	59	59	0	S	1	bc	*	-	70	57	*	0.20	
	Belfort ...	?	75	?	3	c	30.07	+0.04	60	56	-6	WSW	6	0	*	-	85	57	*	-	
	Lyons ...	29.96	75	S	2	bc	30.10	+0.05	58	57	-6	N	1	clt, r	*	-	83	57	*	0.16	
Nice ...	30.08	74	Z	0	b	30.03	-0.06	73	65	+2	E	2	c	1	-	81	66	*	-		
Perpignan ...	29.95	75	S	2	c	30.09	+0.05	59	57	-13	W	2	0	*	-	?	58	*	0.12		
SPAN. PEN.	Corunna ...																				
	Lisbon ...	30.21	64	NNW	4	b	30.24	+0.09	65	59	-2	N	5	0	*	-	72	59	*	-	
Azores (P. Delgada)	30.39	64	NNW	1	b	30.39	+0.08	66	63	-2	N	2	0	*	-	73	62	*	-		

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, 5<sup>th</sup> SEPTEMBER, 1902

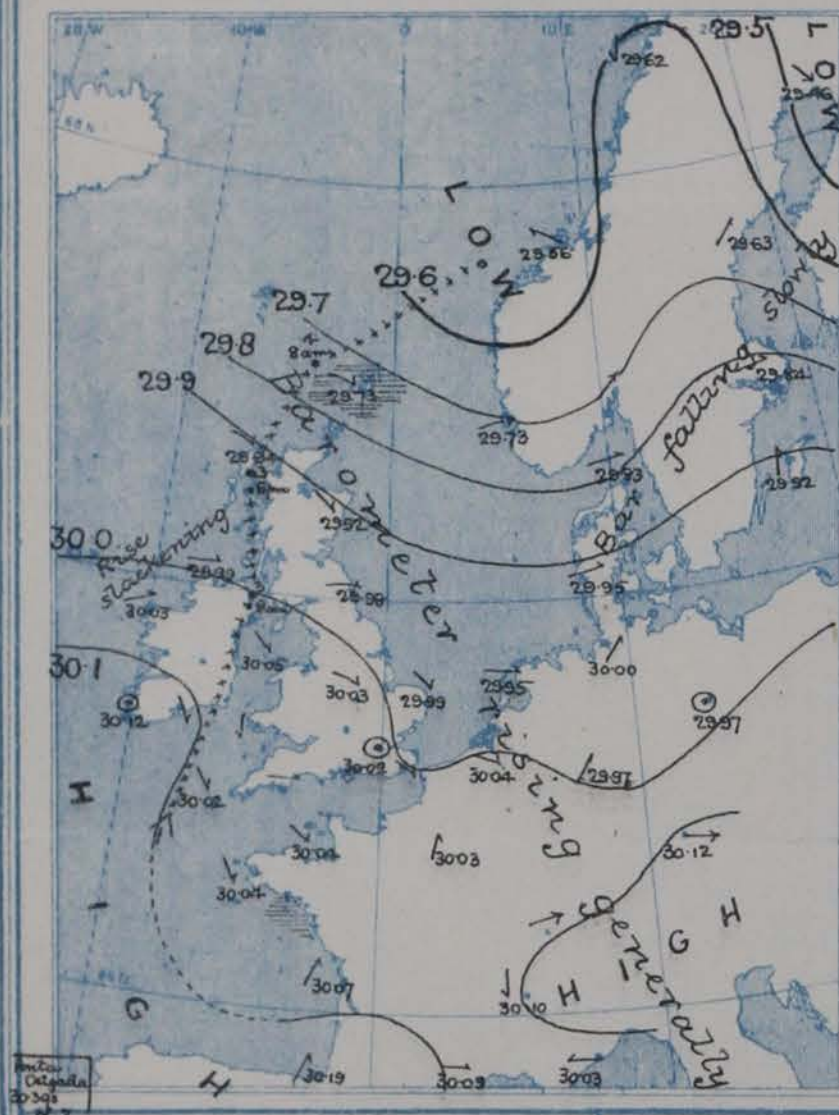
## I. BAROMETER, WIND AND SEA. This Morning.

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 :

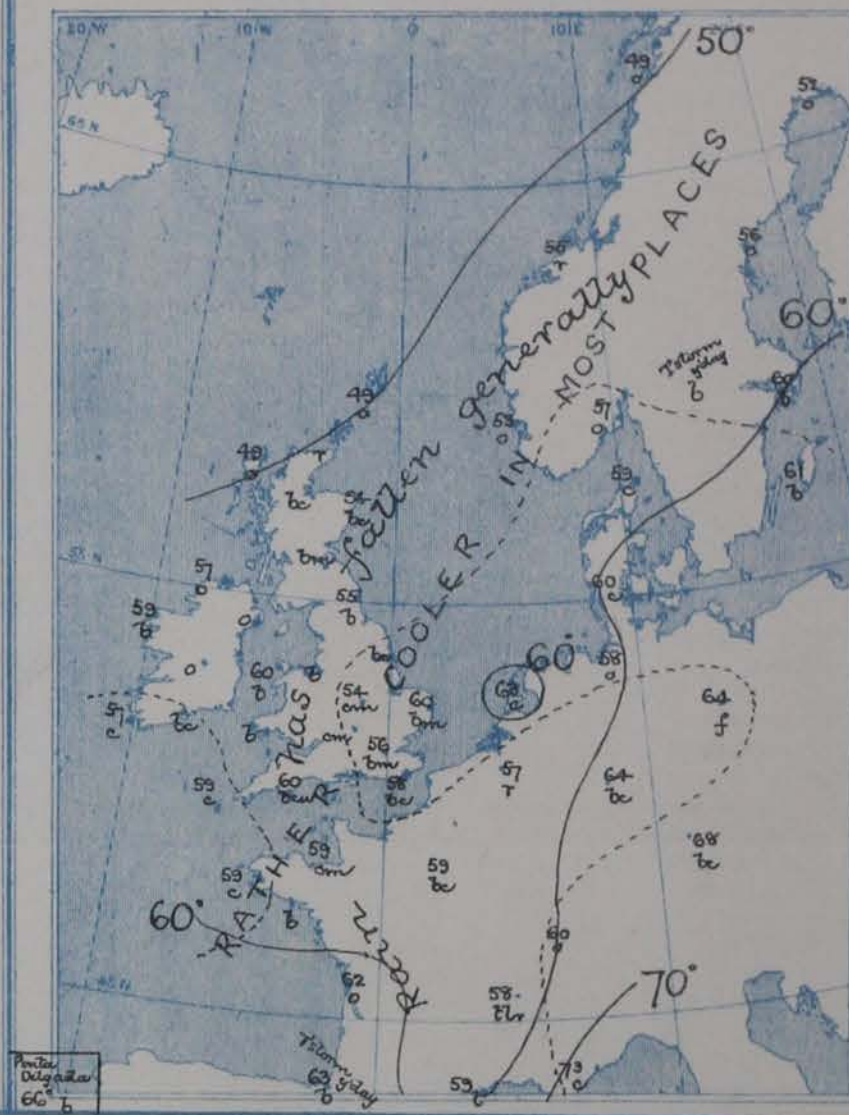


## II. TEMPERATURE AND WEATHER. This Morning.

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—0.8



## III. BAROMETER AND WIND

Yesterday morning.



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

Specimen { Average No of Hours daily } 3.6  
(for Stornaway) { Total Possible } 12.6



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

AUGUST-SEPTEMBER (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The disturbance noticed in the north yesterday has moved north-eastwards and become much reduced in depth. Its centre, where the barometer is about 29.5 in., now lies off the west coast of Norway. The highest readings, 30.1 in. and upward, are found over the south-west of Ireland, the south-west of France and the adjoining parts of Spain, and in the neighbourhood of Munich. Pressure is still increasing over the United Kingdom, but the movement has become much slackened during the night on the north-west coast of Ireland.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind has veered to the N.W. over our Islands generally, but is already backing again on our north-west coasts. To the eastward of the North Sea it circulates around the basic minimum, being strong from the S.W. in the south of Norway and light from S.E. at Christiansund. At Alesund there is a strong breeze from N.W. Temperature has again fallen in most places and now differs very little from the mean. Over our Islands the readings range from 60° at Holyhead, Yarmouth and Portland Bill and 59° at Blackhead Point to 54° at Loughborough and to 49° in the Shetlands and Hebrides. The Continental values vary from 73° at Nice and 68° at Munich to 59° at Paris and the Scar, and to 49° at Bodø. The weather is fine over the greater part of our area, but overcast in the northern districts of Scotland and Scandinavia, rainy at Wick, Christiansund and Brussels, while a thunderstorm prevails at Lyons. The sea is rough at Lumburgh Head and rather so at Lowest, moderate to smooth elsewhere.

During yesterday the thermometer rose to 70° at some of our southern and eastern stations and to 72° in London; on our extreme northern and north-western coasts, however, the maxima were below 60°. The night was much cooler than of late over England. Rain has again fallen—mostly in small amounts—at our western and northern stations and in larger quantities over France and Scandinavia; in the south of the former country and at Karlsstad thunderstorms have been experienced. Bright sunshine was very general yesterday except in Scotland.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The slackening of the basic rise and the backing wind in the north-west probably indicate the approach of another disturbance from the Atlantic. It may be expected, therefore, that the weather will gradually become unsettled again and that rain will set in in the extreme west and north-west by tomorrow.

## FORECASTS \*

For the 24 hours ending at NOON on 6<sup>th</sup> September, 1902

### DISTRICTS.

### FORECASTS.

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

W<sup>1</sup> to S.W<sup>1</sup> winds, light or moderate; weather improving to-day, becoming unsettled again to-morrow.

N.W<sup>1</sup> and W<sup>1</sup> to S.W<sup>1</sup> winds, light; fair to-day, cloudy and less settled to-morrow.

### DISTRICTS.

### FORECASTS.

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

W<sup>1</sup> to S<sup>1</sup> winds, freshening; fair to some rain.

W<sup>1</sup> to S.W<sup>1</sup> or S<sup>1</sup> winds, light or moderate; fair to-day, some rain to-morrow.

N<sup>1</sup> and N.W<sup>1</sup> winds, backing later; fair to-day, unsettled to-morrow.

Same as No. 6.

Wind backing to W. or S. and weather gradually becoming unsettled and rainy.

### 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		Sun- shine Hrs.	Rainfall Ins.
						Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	c	*	b	68	53	11.5	-
Newton Reigny (Penrith) ...	29.79	56	W 3	o	29.99 +37	52	50	-4	W 2	b	*	ov, cp, b	62	41	1.7	0.09
Bath ... ..	?	55	SW 1	b	30.03 +18	55	55	-6	SW 1	b	*	-	68	49	8.5	0.15

## 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. ...	65	50	b, c, b	8.6	0.03	Worthing up to 6 p.m. ...	*	*	*	9.8	*
Birmingham, 9 p.m. ...	69	55	b	8.8	0.03	Llandudno ... ..	*	*	*	10.0	*
Lowestoft, up to 6 p.m. ...	70	56	b, o, b	12.0	-	Rhyl up to 6 p.m. ...	*	*	*	?	*
Hastings up to 6 p.m. ...	*	*	*	6.9	*	Southport, 9 p.m. ...	65	55	op, bc, o	9.4	0.05
Eastbourne up to 6 p.m. ...	*	*	*	8.1	*	Manchester, 9 p.m. ...	73	55	op, b	7.4	0.04
Brighton ... ..	*	*	*	9.3	*	Darwen, 9 p.m. ...	64	52	w	6.3	0.03

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

STATIONS. 4 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 3 <sup>RD</sup> SEPTEMBER	TEMPERATURE, F. at 1 p.m.	WEATHER.	RAIN. (measured at 7 a.m.)
	Max.	Min.						
Marseilles ... ..	81	59	b, b	Ins.	Geneva ... ..	79	b	Ins.
Utrecht ... ..	77	54	o, c	-	Berne ... ..	75	b	-
Copenhagen ... ..	68	61	o, f	-	Lucerne ... ..	79	b	-
Prague ... ..	79	63	b, o	-	Lausanne ... ..	?	?	-
Vienna ... ..	75	59	b, b	-	Lugano ... ..	81	b	-
Buda-Pesth ... ..	79	46	b, b	-	Locarno ... ..	NOT RECEIVED		
St. Petersburg ... ..	57	45	o, o	-				
Rome ... ..	87	62	b, b	-				
Malta ... ..	85	77	m	-				
Madeira (Funchal) ... ..	75	63	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.

5 <sup>TH</sup> SEPT., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth ... ..	5.11	11.52	6.32
Greenwich ... ..	5.20	11.59	6.37
Wick ... ..	5.21	12.11	7.0
Valencia ... ..	6.0	12.40	7.19

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

SATURDAY 6<sup>TH</sup> SEPTEMBER 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.	Time		Sun- shine. Hours	Rain- fall. Ins.		
				At 8 <sup>30</sup> and M.S.L.	Dry Bulb.		Dirac.	Force (0 to 12.)	At 8 <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.)			Max.	Min.
SCANDINAVIA.	Haparanda ...	29.69	46	NW	4	b	29.81	+35	46	44	-6	Z	0	c	*	-	59	45	*	-	
	Hernösand ...	29.62	56	Z	0	T	29.83	+20	54	49	-2	Z	0	b	*	-	64	52	*	0.08	
	Stockholm ...	29.78	58	SW	4	c	29.85	+01	56	54	-4	W	2	0	*	-	68	52	*	-	
	Wisby ...	29.90	60	SW	4	0	29.92	00	56	52	-5	NW	6	c	*	-	68	54	*	-	
	Karlstad ...	29.78	55	SW	4	b	29.93	+18	53	51	-5	W	2	b	*	-	*	*	*	-	
	Färder (X'ania Fjord)	29.76	58	WSW	5	b	29.94	+22	57	53	0	N	1	b	3	-	59	54	*	-	
	Bodö ...	29.84	48	NW	1	b	29.91	+29	45	43	-4	E	1	bc	1	-	50	43	*	-	
	Christiansund ...	29.78	54	SE	2	0	29.97	+41	52	51	-3	W	4	0	4	-	57	52	*	-	
	Skudesnaes ...	29.91	53	NW	4	0	30.04	+31	52	49	-1	NW	2	c	2	0	54	50	*	-	
	Sumburgh Head	29.86	47	W	3	0	29.87	+14	52	51	+3	S	2	0	4	0	52	44	*	0.01	
BRITISH ISLANDS.	Stornoway ...	29.85	54	SW	4	T	29.85	-09	55	55	+6	S	2	f	2	d, o, r	61	48	5.4	0.06	
	Malin Head ...	29.93	58	SW	4	0	29.87	-12	58	58	+1	W	4	0	3	0	61	55	*	0.10	
	Blacksod Pt. ...	29.96	60	SW	5	opm	29.87	-16	60	60	+1	NW	2	utm	3	opm	61	57	*	0.69	
	Valencia ...	30.07	59	SSE	2	mp	29.91	-21	60	60	+3	S	3	op	4	ov, mp	62	56	3.5	0.05	
	Roche's Point ...	30.09	61	WNW	3	0	29.98	-12	61	60	+6	SSW	2	0	3	bc, o	67	55	*	-	
	Parsonstown ...	30.05	58	SSE	1	p	29.94	-13	58	56	+3	ESE	2	c	*	bc, p	66	54	6.6	0.04	
	Donaghadee ...	30.01	62	SSW	2	b	29.95	-09	56	56	+5	SW	1	cp	1	-	65	50	*	0.13	
	Liverpool Obsy.	30.07	57	NW	1	b	30.05	00	54	51	-3	SSE	1	m	2	b	61	49	*	-	
	Holyhead ...	30.07	58	SW	2	c	30.03	-02	56	55	-4	SSW	3	rgm	2	b, c	65	55	*	0.06	
	Pembroke (St. Ann's)	30.09	58	WNW	4	b	30.04	+01	58	56	-1	S	2	og	3	b, v	62	56	11.1	0.01	
GERMANY, &c.	Scilly (St. Mary's)...	30.13	61	NNW	1	bc	30.08	+06	61	59	+2	SSW	2	0	3	c, bc	64	57	10.3	-	
	Jersey (St. Aubins)...	30.10	64	NW	3	bc, m	30.14	+10	61	57	+2	NW	3	b	3	bc, m, g	68	52	10.0	-	
	Portland Bill ...	30.08	61	W	3	bc	30.12	+09	60	55	0	SSW	1	b	2	bc	65	60	*	-	
	Dungeness ...	30.08	62	WNW	3	c	30.09	+10	60	59	+2	W	1	c	1	bc, c	68	55	*	0.02	
	Wick ...	29.90	54	S	3	bc	29.89	00	55	53	+4	S	1	b	2	-	60	49	*	0.01	
	Nairn ...	29.90	56	Z	0	bc	29.88	-04	58	56	+5	W	1	c	1	-	62	51	*	0.04	
	Aberdeen ...	29.94	53	S	2	bc	29.92	00	56	55	+2	SW	1	c	1	bc, r	60	47	9.8	0.02	
	Leith ...	29.97	59	WSW	1	c	29.94	00	56	55	-1	N	1	rm	*	-	64	54	*	0.10	
	North Shields ...	30.01	60	WSW	3	c	30.01	+03	53	51	-2	SW	2	0	2	c	63	47	*	-	
	Spurn Head ...	30.04	60	E	3	b	30.06	+08	57	55	0	W	1	bcw	1	-	63	52	*	-	
FRANCE.	Yarmouth ...	30.04	61	NNE	2	bc	30.08	+09	58	56	-2	Z	0	bc, m	2	b, bc	65	50	*	-	
	Loughborough ...	30.05	63	WNW	1	b	30.09	+06	50	49	-4	Z	0	cfw	*	bc, b, c	70	45	*	-	
	Oxford ...	30.09	59	SW	1	0	30.10	+06	50	49	-7	WSW	1	b	*	bc, a, f	68	47	*	-	
	London (Brixton) ...	30.03	64	NNW	2	bc	30.07	+05	56	55	0	NW	2	cm	*	c, p, b	69	52	1.0	-	
	The Scaw (Skagen) ...	29.91	55	W	5	c	29.97	+14	56	54	-3	W	3	bc	1	-	59	54	*	-	
	Fanö ...	30.04	54	W	2	b	30.08	+13	55	52	-5	W	2	c	*	-	63	52	*	-	
	Cuxhaven ...	30.03	62	W	1	c	30.08	+08	58	54	0	NE	2	b	*	-	63	55	*	-	
	The Helder ...	30.01	50	NNE	1	c	30.08	+13	60	55	-3	NW	1	bc	1	-	68	57	*	-	
	Brussels ...	*	*	*	*	*	30.12	+08	55	55	-2	SSW	1	f	*	-	64	51	*	0.81	
	Berlin ...	30.01	63	NW	3	bc	30.06	+09	61	58	-3	SE	2	0	*	-	73	59	*	-	
SPAN. PEN.	Frankfurt ...	30.05	64	SW	4	0	30.07	+10	58	56	-6	SW	2	c	*	-	73	57	*	0.04	
	Munich ...	30.22	57	W	4	T	30.15	+03	56	56	-12	W	3	T	*	-	77	55	*	0.71	
	C. Gris Nez ...	30.05	63	WSW	3	bc	30.11	+10	60	59	0	WSW	3	0	2	-	70	59	*	-	
	Brest ...	30.16	61	NNW	2	bc	30.16	+12	60	57	+1	SW	1	c	1	-	64	57	*	-	
	Lorient ...	30.13	63	NW	4	bc	30.17	+13	57	55	-2	N	2	b	2	-	68	54	*	0.04	
	Rochefort ...	30.11	65	W	4	bc	30.16	+09	60	58	-2	N	2	bc	*	0, bc	70	59	*	-	
	Biarritz ...	30.24	64	WSW	4	c	30.27	+08	64	60	+1	WSW	3	c	3	-	68	59	*	0.35	
	Paris ...	30.11	58	N	2	bc	30.15	+12	51	51	-8	N	1	c	*	-	67	48	*	0.39	
	Belfort ...	30.07	59	WSW	2	T	30.10	+03	53	53	-7	SW	4	m	*	-	75	53	*	0.24	
	Lyons ...	30.13	59	ESE	1	c	30.19	+09	57	53	-1	NNW	1	0	*	21, 22	64	56	*	0.28	
Nice ...	29.98	69	NE	3	0	29.94	+09	68	64	-5	Z	0	b	0	-	82	63	*	-		
Perpignan ...	30.08	67	W	2	b	30.20	+11	64	57	+5	NW	2	b	*	-	77	56	*	0.16		
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, 6<sup>TH</sup> SEPTEMBER, 1902

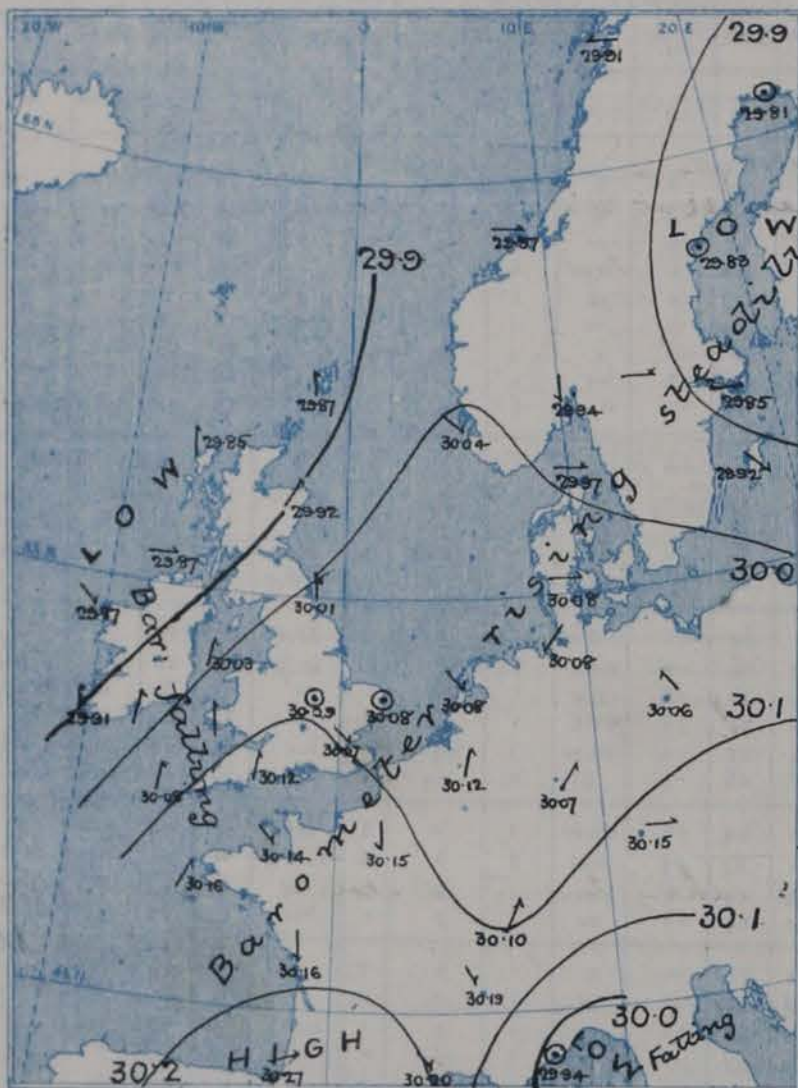
## I. BAROMETER, WIND AND SEA. This Morning.

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 SEPTEMBER.

Specimen { Average No. of } 3.6  
(for Stornaway) { Hours daily }  
{ Total Possible } 12.6



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

AUGUST-SEPTEMBER (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The barometer has continued to rise over the greater part of our area, but has fallen somewhat over the extreme south-east of France and also on our own western coasts. Readings are now highest, above 30.2 ins., over the south-west of France and the neighbouring parts of the Iberian Peninsula, and lowest 29.9 ins. and less, over the north-west of Ireland, the major portion of Scotland and the adjacent parts of the Atlantic. Gradients are slight.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind has backed to the S<sup>d</sup>. on our western and northern coasts and to the W<sup>d</sup>. in the south-east, and is very light in force. On the Continent it varies much in direction, but has very little strength except at Wisby. Temperature has risen over Ireland and Scotland, fallen over England and on the Continent; it now ranges from 68° at Nice and 61° at Jersey, Scilly and Roche's Point to 56° in London and at Aberdeen, and to 50° over central England. In the extreme north of Scandinavia it is a few degrees below 50°. The weather is fair in most parts of Great Britain and also at most of the Continental stations, but rain is falling at Munich, Leith and Holyhead, and showers or steady rain over Ireland. The sea is moderate to smooth.

The maximum temperatures over our Islands yesterday were generally below 70°, but that point was just reached at Doughtyborough; at Munich the highest reading was 77°, and that at Nice 82°. Rain has fallen at our more northern and western stations, and, locally, in the south-east; the amounts were small except at Blackrod Point, where 0.7 in. has been measured. Over the Continental districts the weather was mostly dry but 0.7 in. of rain fell at Munich and smaller amounts at Frankfurt and Herneburg, as well as at some French stations; at Lyons a thunderstorm was experienced. Bright sunshine was fairly abundant during yesterday except in London, in some parts of our southern districts, and at Valencia.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The decrease of pressure in the west seems likely to extend slowly eastwards and cause the weather to fall into an unsettled condition generally. Rain is probable in most places - at first in the west, and afterwards in the east.

## FORECASTS \*

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

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	S <sup>th</sup> or S.E <sup>th</sup> winds; fair to-day, some rain to-morrow.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Wind backing towards S. and increasing slightly; fair to unsettled and probably rainy.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	S <sup>th</sup> and S.W <sup>th</sup> winds, freshening; unsettled, some rain.
8	ENGLAND S.W.	S <sup>th</sup> to S.W <sup>th</sup> or W <sup>th</sup> winds, freshening; dull, rain at times.
9	IRELAND NORTH	S <sup>th</sup> and S.W <sup>th</sup> winds, veering later; cloudy or dull, with some rain.
10	IRELAND SOUTH	
WARNINGS		At 7.20 p.m. yesterday, to district 6 and parts of 0 and 9. Hoist South Cone.

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

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



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.									PAST 24 HOURS.			
	Bar. Ins.	Temp. °	Wind.	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, bc	66	58	7.0	—
Newton Reigny (Penrith)	30.01	56	WSW1	c	30.00	+0.1	54	53	+2	S 1	o	*	bc, od	61	48	3.8	0.01
Bath ... ..	30.06	64	W 1	bc	30.10	+0.7	56	52	+1	W 1	b	*	—	67	42	3.3	—

## 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. ...	65	48	b	9.3	—	Worthing up to 6 p.m. ...	*	*	*	4.7	*
Birmingham, 9 p.m. ...	66	50	b	6.3	—	Llandudno ... ..	*	*	*	10.3	*
Lowestoft, up to 6 p.m. ...	68	53	c	6.6	—	Rhyl up to 6 p.m. ...	*	*	*	10.8	*
Hastings ... ..	*	*	*	6.1	*	Southport, 9 p.m. ...	62	54	c, br	11.7	—
Eastbourne up to 6 p.m. ...	*	*	*	6.1	*	Manchester, 9 p.m. ...	69	49	b	5.3	—
Brighton ... ..	*	*	*	4.3	*	Darwen, 9 p.m. ...	62	48	brw	9.9	—

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

STATIONS. 5 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 4 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F. at 1 p.m.	WEATHER.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
Marseilles ... ..	84	64	c, bc	Ins.	Geneva ... ..	73	bc	—
Utrecht ... ..	73	54	c, o	0.12	Berne ... ..	77	bc	—
Copenhagen ... ..	72	59	o, m	—	Lucerne ... ..	79	b	—
Prague ... ..	84	63	b, bc	—	Lausanne ... ..	?	?	—
Vienna ... ..	79	63	b, b	—	Lugano ... ..	82	b	—
Buda-Pesth ... ..	81	64	b, b	—	Locarno ... ..	?	?	—
St. Petersburg ... ..	64	45	o, o	0.04				
Rome ... ..	71	67	b, b	—				
Malta ... ..	86	76	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.

\* 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.

	5 <sup>TH</sup> SEPT., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
		h. m.	h. m.	h. m.
Yarmouth ... ..		5.12	11.51	6.30
Greenwich ... ..		5.21	11.58	6.35
Wick ... ..		5.23	12.10	6.57
Valencia ... ..		6.1	12.39	7.17

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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 7<sup>TH</sup> SEPTEMBER

1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. M. 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.		Sun- shine	Rainfall
At 82° and M.S.L.	Dry Bulb.	Direc.	(0 to 12.)	At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	(0 to 12.)	(0 to 9.)	Max.	Min.	Hours	Ins.						
Ins.	Ins.	°	°	Ins.	Ins.	°	°	°	°	Ins.	Ins.	°	°	°	°	°	°	°	°	°	
SCANDINAVIA.	Haparanda ...	30.04	41	NW	2	b	30.13	+32	41	40	-5	Z	0	b	*	-	54	41	*	0.04	
	Hernösand ...	30.03	51	Z	0	bc	30.12	+29	52	46	-2	Z	0	bc	*	-	66	48	*	-	
	Stockholm ...	30.07	55	Z	0	b	30.13	+28	49	49	-7	Z	0	f	*	-	64	?	*	-	
	Wisby ...	30.05	54	W	1	b	30.09	+17	55	54	-1	W	1	b	*	-	63	50	*	-	
	Karlstad ...	30.04	57	SW	2	b	30.14	+21	50	50	-3	Z	0	f	*	-	*	*	*	-	
	Færder (X'ania Fjord)	30.04	57	SW	2	b	30.11	+17	57	54	-3	SW	1	c	1	-	61	55	*	-	
	Bodö ...	30.02	47	Z	0	bc	29.98	+07	47	45	+2	E	2	r	1	-	48	45	*	0.04	
	Christiansund ...	30.08	52	W	2	o	30.09	+12	53	51	+1	ESE	1	o	1	-	52	52	*	-	
	Skudesnaes ...	30.11	50	Z	0	b	30.16	+12	48	46	-4	Z	0	c	1	c, b	55	45	*	-	
BRITISH ISLANDS.	Sumburgh Head	29.97	53	W	1	o	30.09	+22	50	49	-2	WNW	1	o	3	c, o	58	49	*	-	
	Stornoway ...	29.98	57	Z	0	r	30.11	+26	53	53	-2	Z	0	o	1	o, r	62	52	0.0	0.13	
	Malin Head	29.97	60	WNW	2	c	30.16	+29	57	57	-1	NW	1	of	1	c	62	55	*	0.02	
	Blacksod Pt.	30.01	59	N	4	o	30.18	+31	58	54	-2	NE	3	c	2	cp, o	60	54	*	0.40	
	Valencia ...	30.00	60	N	4	o	30.17	+26	60	57	0	NE	1	b	3	c, o	63	52	5.7	-	
	Roche's Point ...	29.98	61	S	1	bc	30.16	+18	62	61	+1	ENE	2	bc	1	c, bc	65	57	*	0.03	
	Parsonstown ...	29.96	63	S	1	cp	30.18	+24	56	55	-2	SW	1	om	*	cp	68	52	3.3	0.13	
	Donaghadee ...	30.00	63	SSE	1	b	30.16	+21	56	56	0	SSE	1	f	0	-	65	50	*	-	
	Liverpool Obsy.	30.06	60	Z	0	c	30.19	+14	58	54	+4	Z	0	m	?	o, c	63	54	*	-	
GERMANY, &c.	Holyhead ...	30.04	60	SSW	3	o	30.18	+15	63	60	+7	W	1	bw	0	em, o	63	55	*	-	
	Pembroke (St. Ann's)	30.02	59	S	3	c	30.14	+10	59	57	+1	E	2	emut	2	-	60	55	0.0	0.05	
	Scilly (St. Mary's)...	30.02	62	SSW	1	o	30.11	+03	60	58	-1	ESE	3	c	3	o	65	57	0.7	0.12	
	Jersey (St. Aubin's)...	30.11	64	WNW	3	c	30.16	+02	62	58	+1	NNE	2	em	2	bc, c	69	56	10.3	-	
	Portland Bill ...	30.10	59	SW	3	c	30.13	+01	56	56	-4	ESE	4	r	3	c	64	56	*	1.80	
	Dungeness ...	30.10	63	W	3	b	30.18	+09	56	54	-4	NE	1	b	0	bc, b	68	46	*	-	
	Wick ...	30.01	56	W	1	c	30.13	+24	54	53	-1	N	1	tf	1	-	63	53	*	0.04	
	Nairn ...	29.97	63	Z	0	bc	30.09	+21	58	57	0	W	1	c	1	-	68	52	*	-	
	Aberdeen ...	29.98	57	NE	1	bc	30.14	+22	58	57	+2	NE	1	bcf	1	bc	66	51	6.2	-	
FRANCE.	Leith ...	29.99	61	WSW	1	c	30.14	+20	60	58	+4	WSW	2	c	*	-	64	53	*	-	
	North Shields ...	30.04	60	SSW	1	o	30.16	+15	57	56	+4	WSW	2	em	2	op, o	62	51	*	-	
	Spurn Head ...	30.06	59	ESE	4	b	30.16	+10	59	58	+2	NE	1	bcw	0	-	65	55	*	-	
	Yarmouth ...	30.06	63	SSE	2	bc	30.14	+06	57	56	-1	W	2	f	2	bc	63	54	*	-	
	Loughborough ...	30.06	63	Z	0	bc	30.19	+10	46	46	-4	WNW	1	bcw	*	bc, c, bf	71	41	*	-	
	Oxford ...	30.10	53	Z	0	bm	30.19	+09	49	48	-1	SW	1	bw	*	bm	66	49	*	-	
	London (Brixton)	30.05	63	SW	2	b	30.18	+11	54	53	-2	Z	0	bmw	*	bc, b	72	46	7.3	-	
	The Scaw (Skagen)	30.08	53	W	1	bc	30.09	+12	55	54	-1	SSE	1	c	0	-	59	52	*	-	
	Fanö ...	30.15	49	Z	0	b	30.12	+04	52	50	-3	Z	0	b	*	-	61	45	*	-	
SPAN. PEN.	Cuxhaven ...	30.10	60	NNW	1	bc	30.17	+09	55	51	-3	NE	3	b	*	-	61	54	*	-	
	The Helder ...	30.09	59	N	1	b	30.15	+07	60	57	0	N	1	b	0	-	63	54	*	-	
	Brussels ...	*	*	*	*	*	30.19	+07	60	57	+5	SSE	1	b	*	-	68	48	*	0.04	
	Berlin ...	30.04	63	NE	2	o	30.02	-04	54	52	-7	NNW	4	r	*	-	66	54	*	1.26	
	Frankfurt ...	30.10	59	SW	2	r	30.16	+09	56	53	-2	N	2	c	*	-	66	54	*	0.24	
	Munich ...	30.17	52	W	3	r	30.21	+06	54	52	-2	W	5	c	*	-	59	48	*	0.91	
	C. Gris Nez ...	30.11	63	WSW	4	b	30.16	+05	61	58	+1	SE	1	b	1	-	68	55	*	-	
	Brest ...	30.10	60	S	1	o	30.10	-06	54	?	-6	E	1	b	1	-	63	57	*	0.24	
	Lorient ...	30.12	62	NW	2	c	30.10	-07	59	57	+2	ESE	2	c	2	-	70	54	*	-	
SPAN. PEN.	Rochefort ...	30.12	65	W	3	o	30.07	-09	59	57	-1	ENE	3	bc	*	-	72	55	*	-	
	Biarritz ...	30.17	66	NNE	1	b	30.04	-23	59	56	-5	E	3	c	2	-	70	52	*	0.08	
	Paris ...	30.12	64	SSW	2	o	30.16	00	55	54	+4	NE	1	o	*	-	70	51	*	-	
	Belfort ...	30.10	59	W	4	c	30.17	+07	48	48	-5	ENE	4	f	*	-	67	45	*	-	
	Lyons ...	30.13	62	NE	1	b	30.15	-04	57	57	0	E	1	b	*	-	68	51	*	-	
	Nice ...	29.88	72	E	1	b	30.02	+08	68	62	0	E	1	b	2	-	82	61	*	-	
	Perpignan ...	30.11	69	NW	3	o	30.08	-12	59	56	-5	W	2	c	*	-	76	53	*	-	
	Corunna ...																				
	Lisbon ...	30.08	62	NNW	3	b	29.97	-19	65	60	-4	NW	3	o	*	-	77	59	*	-	
Azores (P. Delgada)	30.35	68	NNE	1	b	30.28	-10	67	63	-1	NNE	4	b	2	-	75	64	*	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 *SUNDAY, 7<sup>th</sup> SEPTEMBER, 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

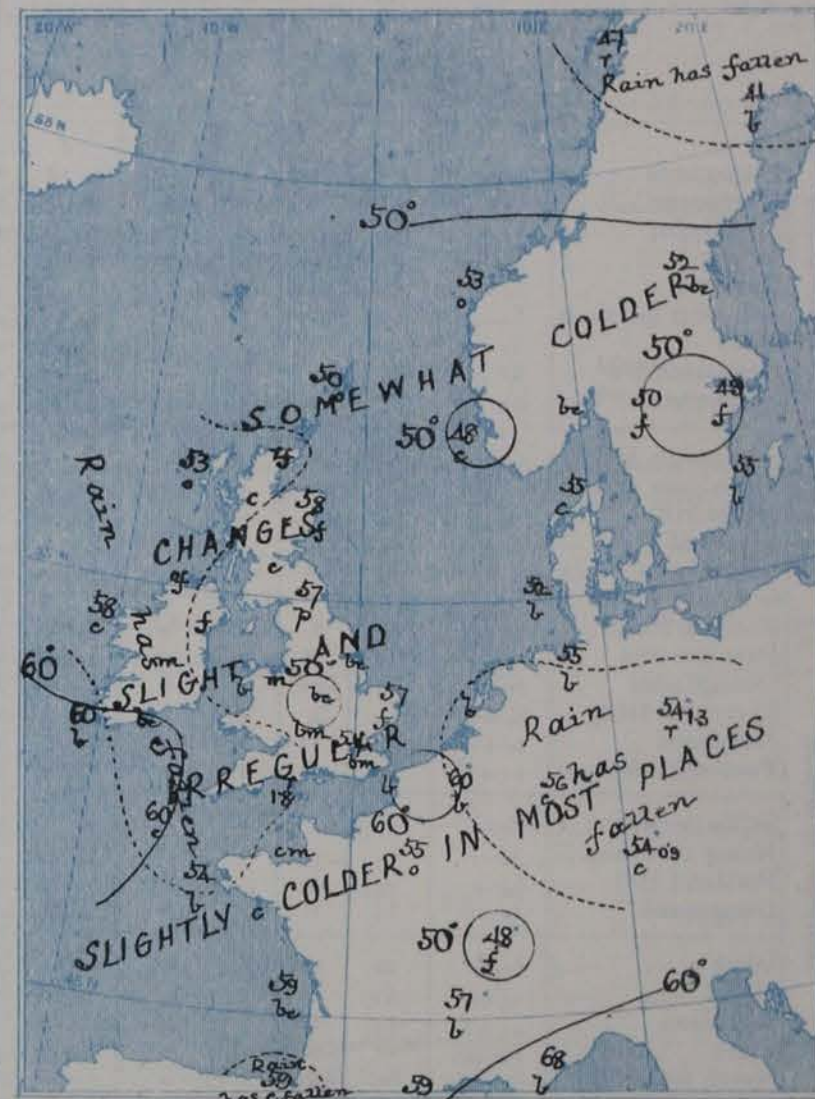


## II. TEMPERATURE AND WEATHER. *This Morning.*

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

Specimen { Average No. of } 3.6  
(for Stornaway) { Hours daily } 12.6  
{ Total Possible }



## V. Means of DAILY TEMPERATURE

*at 8 A.M. for the monthly period*

*SEPTEMBER (1871-1900.)*





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

The barometer is highest, 30.2 ins. and upwards, over South Germany, but is high, 30.1 ins. and upwards, in an anticyclone covering all but the extreme northern and south-western parts of our area. In all places covered by the high-pressure system the barometer is at present rising slowly. The lowest readings, 30.0 ins. and less, are found in two shallow cyclonic areas — one lying off the coast of Finmark and the other over the Spanish Peninsula; the barometer is falling a little in the former region and also over the whole of Spain and the west of France.

## WIND

## TEMPERATURE

## WEATHER

## AND

## SEA

The wind is light from the E<sup>ast</sup> or NE<sup>ast</sup> on our extreme western and southern coasts and also over France, but is variable in the north-west of our Islands, and light from the W<sup>est</sup> on our east coasts. Calms are reported in Sweden and the south of Norway, but in the west of Norway the wind is light from the E<sup>ast</sup>. Temperature has fallen over the central and southern parts of England and the western parts of the Continent, but has changed very irregularly elsewhere. Over England, France and Germany, the thermometer is now below the normal, the lowest readings reported in those countries being (1) 46° at Loughborough and 49° at Oxford, and (2) 48° at Belfast and 54° at Berlin and Munich. On our west, north and east coasts the readings are above 55°, and in some places slightly above 60°, the highest reported being 63° at Holyhead. The weather is fair or fine over Western Europe generally, but is foggy or misty in many parts of the United Kingdom and is dull in the north of Scotland and the west of Norway, with rain at Ulvik and Bodø. Heavy rain is falling at Portland Bill and passing showers at Shields. The sea is slight or smooth generally.

During yesterday the thermometer rose to 65° and upwards in many parts of the United Kingdom to 71° at Loughborough and to 72° in London; in the extreme south of France it exceeded 75°, and at Nice it rose to 82°. The amount of Bright Sunshine was small in the west but large in the east and south; at Jersey it was as much as 10.3 hours. Rain has fallen at several of our western and southern stations, the amount being as large as 1.8 ins. at Portland Bill. Considerable quantities have fallen also at some of the German stations.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

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

### DISTRICTS.

### FORECASTS.

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

NONE ISSUED

### DISTRICTS.

### FORECASTS.

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

NONE ISSUED

### WARNINGS

At 3.20 pm yesterday to district 6 and parts of 0 and 9 "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.	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 ... ..	*	*	*	*	*	*	*	*	*	b	*	bc, b	66	49	9.3	-
Newton Reigny (Penrith)																
Bath ... ..	30.07	62	W 1	b	30.18 +0.8	51	51	-5	SE 1	f	*	-	66	49	5.5	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	63	46	c, o	1.9	-	Worthing ... ..	*	*	*		*
Birmingham, 9 p.m. ...	67	50	b	8.5	-	Llandudno ... ..	*	*	*	0.0	*
Lowestoft, up to 6 p.m. ...						Rhyl up to 6 p.m. ...	*	*	*		*
Hastings ... ..	*	*	*	9.0	*	Southport, 9 p.m. ...	63	47	g, o	0.1	-
Eastbourne up to 6 p.m. ...	*	*	*		*	Manchester, 9 p.m. ...	71	42	om	2.8	-
Brighton ... ..	*	*	*		*	Darwen, 9 p.m. ...	61	44	cmw	0.0	-

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

STATIONS. 6 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 5 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F. at 1 p.m.	WEATHER.	RAIN. (measured at 7 a.m.)
	Max.	Min.						
Marseilles ... ..	81	59	o, b	Ins.	Geneva ... ..	61	r	-
Utrecht ... ..	68	54	o, bc	0.04	Berne ... ..	64	r	0.08
Copenhagen ... ..	64	52	b, c	0.20	Lucerne ... ..	70	c	-
Prague ... ..	84	63	o, o	0.20	Lausanne ... ..	?	?	0.08
Vienna ... ..	82	64	b, b	-	Lugano ... ..	81	bc	-
Buda-Pesth ... ..	82	64	b, bc	-	Locarno ... ..	?	?	-
St. Petersburg ... ..	64	55	b, r	0.12				
Rome ... ..	90	67	b, b	-				
Malta ... ..	84	59	bc	-				
Madeira (Funchal) ...	79	61	bc, bc	-				

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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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.

7 <sup>TH</sup> SEPT. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.14	11.51	6.28
Greenwich ... ..	5.23	11.58	6.33
Wick ... ..	5.26	12.10	6.54
Valencia ... ..	6.3	12.39	7.15

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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 8<sup>TH</sup> SEPTEMBER.

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° 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 ...	30.00	50	SW	2	f	29.79	-34	52	50	+11	SW	4	o	*	-	52	36	*	-	
		Hernösand ...	30.07	52	S	2	o	29.96	-16	55	53	+3	Z	0	o	*	-	63	48	*	0.16	
		Stockholm ...	30.14	52	Z	0	o	30.16	+03	49	49	0	Z	0	f	*	-	57	46	*	-	
		Wisby ...	30.10	56	E	2	o	30.13	+04	57	54	+2	ESE	2	b	*	-	61	45	*	-	
		Karlstad ...	30.12	54	SW	2	o	30.13	-01	55	53	+5	S	2	b	*	-	*	*	*	-	
		Färder (X'iania Fjord) ...	30.12	58	SSW	2	b	30.11	00	55	54	-2	WSW	1	m	1	-	61	54	*	-	
		Bodö ...	29.76	46	SW	4	o	29.55	-43	52	50	+5	SW	8	o	5	-	52	46	*	0.75	
		Christiansund ...	30.10	54	WSW	6	o	29.93	-16	58	51	+5	W	7	o	4	-	58	52	*	-	
		Skudesnaes ...	30.19	55	Z	0	c	30.23	+07	53	53	+5	N	2	o	1	-	59	48	*	-	
		Sumburgh Head ...	30.11	51	WSW	3	m	30.09	00	53	52	+3	WSW	4	c	4	o, m	56	50	*	-	
		Stornoway ...	30.16	59	W	2	c	30.17	+06	56	54	+3	SW	3	ov	3	o, c	66	52	5.7	-	
		Malin Head ...	30.23	58	Z	0	bc	30.26	+10	57	55	0	Z	0	bc	1	o, bc	59	53	*	-	
		Blacksod Pt. ...	30.24	60	N	2	b	30.25	+07	57	56	-1	N	1	b	1	bc, b, w	63	49	*	-	
		Valencia ...	30.22	62	Z	0	c	30.21	+04	55	55	-5	NE	1	bmw	3	bc, o	66	50	7.6	-	
		Roche's Point ...	30.23	59	SE	3	f	30.21	+05	59	57	-3	ENE	4	b	2	f, b, f	64	52	*	0.01	
		Parsonstown ...	30.21	67	NNW	1	bc	30.26	+08	50	50	-6	NW	1	of	*	bc	69	46	5.5	-	
		Donaghadee ...	30.24	58	NE	2	bc	30.25	+09	56	55	0	NW	1	bcw	1	-	62	50	*	-	
		Liverpool Obsy. ...	30.22	60	NNW	1	b	30.27	+08	56	55	-2	Z	0	m	?	b	67	53	*	-	
		Holyhead ...	30.22	59	N	2	f	30.25	+07	57	57	-6	NE	1	f	1	b, f	64	55	*	-	
		Pembroke (St. Ann's) ...	30.18	60	NNE	3	c	30.21	+07	57	54	-2	NE	4	bmw	3	-	65	55	7.9	-	
		Scilly (St. Mary's) ...	30.17	61	NE	3	c	30.13	+02	59	57	-1	E	4	cw	2	c	64	57	7.8	-	
		Jersey (St. Aubins) ...	30.15	67	ENE	3	cg	30.16	00	62	58	0	E	4	bcm	3	bc, cg, w	71	58	9.3	-	
		Portland Bill ...	30.20	60	ESE	2	b	30.21	+08	60	57	+4	ENE	4	b	3	bc, b	62	54	*	0.11	
		Dungeness ...	30.22	64	E	3	b	30.24	+06	63	62	+7	NNE	3	m	1	b	68	46	*	-	
		Wick ...	30.17	53	S	1	f	30.17	+04	53	51	-1	W	1	b	1	-	55	45	*	0.05	
		Nairn ...	30.16	65	Z	0	bc	30.20	+11	55	52	-3	W	2	b	1	-	66	45	*	-	
		Aberdeen ...	30.20	53	ESE	1	of	30.21	+07	57	55	-1	W	1	bw	1	bc, of	64	46	6.7	-	
		Leith ...	30.17	64	WSW	2	b	30.23	+09	60	57	0	WSW	2	bm	*	-	71	54	*	-	
		North Shields ...	30.19	61	SE	2	c	30.26	+10	56	55	-1	SW	2	f	2	c, f	66	54	*	-	
		Spurn Head ...	30.23	60	E	1	bc	30.28	+12	57	57	-2	N	1	bw	0	-	65	53	*	-	
		Yarmouth ...	30.21	63	NE	3	b	30.25	+11	60	58	+3	NE	1	bm	2	b, bm	66	52	*	-	
		Loughborough ...	30.21	65	ENE	1	c	30.29	+10	50	50	+4	Z	0	fw	*	bc, o, bf	70	46	*	-	
		Oxford ...	30.24	55	W	1	b	30.28	+09	50	50	+1	N	1	f	*	m, b	70	44	*	-	
		London (Brixton) ...	30.26	65	NE	1	bcm	30.26	+08	55	53	+1	Z	0	bcm	*	bc, bw	71	47	5.0	-	
		The Scaw (Skagen) ...	30.15	55	Z	0	b	30.16	+07	55	55	0	SW	2	m	0	-	61	50	*	-	
		Fanö ...	30.21	52	W	2	b	30.24	+12	55	?	-3	W	1	b	*	-	61	46	*	-	
		Cuxhaven ...	30.21	59	NW	3	c	30.25	+08	58	55	+3	NW	2	b	*	-	61	55	*	-	
		The Helder ...	30.18	61	NW	1	c	30.24	+09	61	57	+1	NNE	1	b	0	-	66	57	*	-	
		Brussels ...	*	*	*	*	*	30.26	+07	61	57	+1	Z	0	b	*	-	69	49	*	-	
		Berlin ...	30.17	54	W	2	b	30.22	+20	54	52	0	W	2	o	*	-	61	52	*	0.24	
		Frankfurt ...	30.21	59	E	2	bc	30.27	+11	51	49	-5	E	1	b	*	-	68	48	*	-	
		Munich ...	30.25	54	NE	3	b	30.28	+07	51	51	-3	SW	2	f	*	-	64	48	*	-	
		C. Gris Nez ...	30.21	61	E	3	b	30.27	+11	58	58	-3	ENE	1	m	0	-	70	54	*	-	
		Brest ...	30.12	65	NNE	3	b	30.06	-04	59	57	+5	ENE	2	c	2	-	73	54	*	-	
		Lorient ...	30.10	71	E	1	b	30.01	-09	61	61	+2	E	5	bc	3	-	77	50	*	-	
		Rochefort ...	30.02	71	E	3	c	29.97	-10	60	58	+1	E	4	bc	*	-	81	57	*	-	
		Biarritz ...	29.94	71	E	3	o	29.91	-13	68	62	+9	NNE	3	o	0	o, l	75	59	*	0.04	
		Paris ...	30.18	65	NE	2	b	30.21	+06	55	53	0	NE	2	b	*	-	70	50	*	-	
		Belfort ...	30.11	62	ENE	3	m	30.19	+02	49	49	+1	ENE	5	f	*	-	67	48	*	-	
		Lyons ...	30.13	64	N	1	b	30.17	+02	57	54	0	N	1	b	*	-	70	51	*	-	
		Nice ...	30.08	65	SSE	1	b	30.11	+09	69	60	+1	Z	0	b	0	-	73	57	*	-	
		Perpignan ...	30.04	?	E	?	?	30.06	-02	68	66	+9	SE	2	o	*	-	75	59	*	-	
		Corunna ...																				
		Lisbon ...	29.92	60	NW	1	b	29.88	-09	64	59	-1	SW	1	bc	*	-	70	59	*	-	
		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, 8<sup>th</sup> September, 1902.*

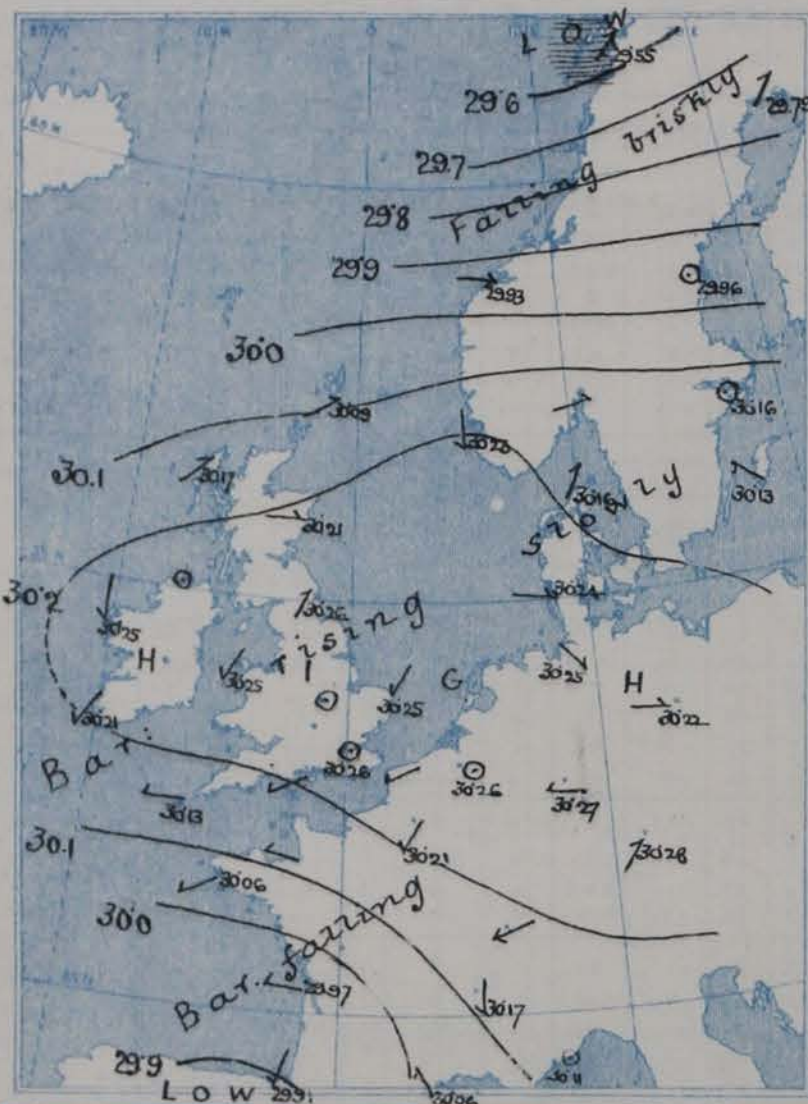
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

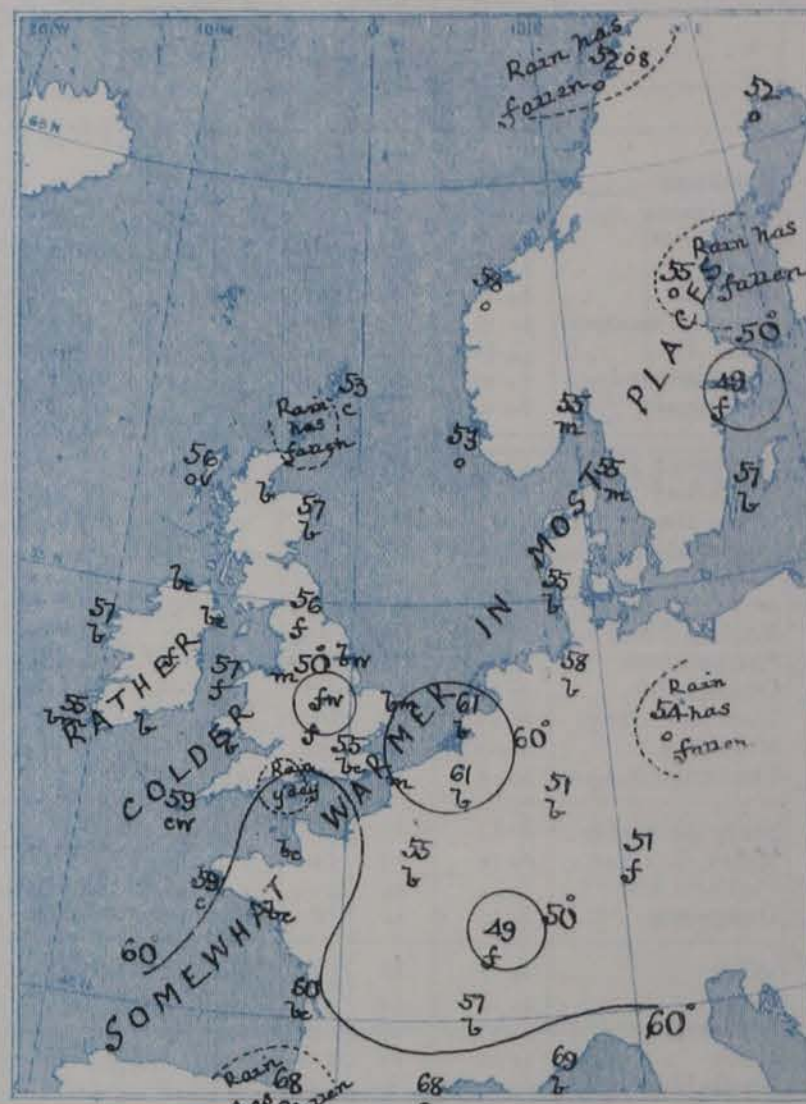


## II. TEMPERATURE AND WEATHER. *This Morning.*

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 SEPTEMBER.

Specimen { Average No of Hours daily } 3.6  
(for Stornaway) { Total Possible } 12.6



## V. Means of DAILY TEMPERATURE

*at 8 A. M. for the monthly period.*

*SEPTEMBER (1871-1900)*





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The barometer is highest, 30.2 in. and upwards, in an anticyclone extending from Central Europe over the North Sea and the greater part of the United Kingdom, in which regions the mercury is either steady or is rising slightly. The lowest readings, 29.6 in. and less, are found in another deep cyclonic system which has appeared off the coast of Denmark, this disturbance is occasioning a high fall of the barometer in the north of Scandinavia and a slight fall on our own extreme northern coasts. Another low pressure area, with readings of 29.9 in. and less, is reported over Spain, and the barometer is falling slowly over the Bay of Biscay and our own extreme south-west coasts.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is light to moderate from the E. or N.E. over France and the southern parts of the United Kingdom, but is calm or variable at all our more central stations, as well as in Germany and the Netherlands. In Scotland and Scandinavia the wind is W. or S.W. and on the west coasts of Norway it is strong to a gale in force. Temperature has fallen in the west of our Islands, but has risen a little in most other parts of our area. Owing to the prevalence of fog the morning readings in the central parts of the anticyclone are below the average, the lowest readings reported being 49° at Belfast, 50° at Doughtyborough, Oxford and Parsonstown and 51° at Newton Reigny, Frankfurt and Munich. In other parts of Western Europe the readings are mostly above the average, the highest reported in our Islands being 63° at Dungeness and 62° at Jersey, and on the Continent 68° at Biarritz and Perpignan. The weather is fine generally, but is foggy over the central parts of the United Kingdom and in South Germany, and dull in most of the Scandinavian stations. The sea is slight or smooth generally, but is rather rough at Bodø.

During yesterday the thermometer rose to between 65° and 70° in most parts of the United Kingdom, to 71° in London and at Jersey, and to 72° at Leith. The amount of bright sunshine was generally large, especially on our east and south-east coasts; at Hastings and Littleton-on-Sea it exceeded 12 hours. A little rain fell on isolated parts of our extreme northern and southern coasts, and a rather heavy fall occurred at Bodø.



### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any decided change in the weather, but it is probable that the low pressure system off the Norwegian coasts will shortly be followed by other disturbances advancing from the Atlantic, and that their influence will extend to our own extreme northern districts. Rain is therefore likely to set in over the north of Scotland.

## FORECASTS \*

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W. and S.W. winds, moderate; fair at first, some rain later.	6 { SCOTLAND WEST	Light variable airs, fine generally, but some fog or mist.
1 { SCOTLAND EAST	W. and S.W. winds, light; fine generally, but some fog or mist.	7 { ENGLAND N.W.	
2 { ENGLAND N.E.		8 { ENGLAND S.W.	E. winds, freshening; fine generally
3 { ENGLAND EAST	Variable or light N.E. airs; fine generally, but some fog in night and early morning.	9 { IRELAND NORTH	Same as Nos. 6 and 7
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	Same as No. 8.
5 { ENGLAND SOUTH	E. and N.E. winds, moderate; fine generally	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. Ins. Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
						Dry.	Wet.	Change.					Max. °	Min. °		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	b m	*	b	68	52	11.3	-
Newton Reigny (Penrith) ...	30.19	61	NNW	b	30.24	51	50		20	m w	*	5.2	68	45	5.2	-
Bath ... ..	30.20	67	W	b	30.15 +0.7	55	51	+4	NE	b	*	-	69	45	7.5	-

## 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. ...	72	53	o, c, b, w	4.0	-	Worthing up to 6 p.m. ...	*	*	*	9.8	*
Birmingham, 9 p.m. ...	70	49	b	4.4	-	Llandudno ... ..	*	*	*	10.5	*
Lowestoft, up to 6 p.m. ...	*	*	*	12.1	*	Rhyl up to 6 p.m. ...	*	*	*	7.5	*
Hastings ... ..	*	*	*	11.6	*	Southport, 9 p.m. ...	68	48	o, b	9.0	-
Eastbourne up to 6 p.m. ...	*	*	*	9.4	*	Manchester, 9 p.m. ...	*	*	*	*	*
Brighton ... ..	*	*	*	*	*	Darwen, 9 p.m. ...	68	51	b, m	4.5	-

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.		WEATHER.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °				at 1 p.m. °	1 p.m.		
7 <sup>TH</sup> SEPTEMBER					6 <sup>TH</sup> SEPTEMBER				
Marseilles ... ..	Information		not received	Ins.	Geneva ... ..	57	r		0.39
Utrecht... ..					Berne ... ..	57	c		0.91
Copenhagen... ..					Lucerne ... ..	57	r		1.38
Prague ... ..					Lausanne ... ..	?	?		0.67
Vienna ... ..					Lugano ... ..	55	r		2.36
Buda-Pesth ... ..					Locarno ... ..	?	?		2.09
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.

8 <sup>TH</sup> SEPT. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.16	11.51	6.26
Greenwich ... ..	5.25	11.58	6.31
Wick ... ..	5.28	12.10	6.51
Valencia ... ..	6.5	12.39	7.13

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, 43, 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 9<sup>TH</sup> SEPTEMBER.

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.	Dirac.	Force (0 to 12.)			Max.	Min.				
																				At 32° and M. S. L.	Change since Yester- day.
		Ins.	Dry Bulb.	Dirac.	Force (0 to 12.)	Weather.	Ins.	Ins.	°	°	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Max.	Min.	Hours	Ins.	
SCANDINAVIA.	Haparanda ...	29.49	55	W	6	c	29.26	-53	54	48	+2	W	4	b	*	-	757	48	*	-	
	Hernösand ...	29.75	57	W	2	bc	29.66	-30	57	46	+2	W	6	b	*	-	63	48	*	-	
	Stockholm ...	30.01	55	SSW	2	b	29.84	-32	57	54	+8	SW	3	b	*	-	64	46	*	-	
	Wisby ...	30.12	53	Z	0	b	29.97	-16	56	54	-1	SW	6	o	*	-	61	50	*	-	
	Karlstad ...	30.00	58	SW	4	b	29.86	-27	55	54	0	WSW	2	b	*	-	61	50	*	-	
	Färder (X'iania Fjord) ...	30.01	59	SSW	2	c	29.91	-20	59	55	+4	W	2	b	3	-	61	55	*	-	
	Bodö ...	29.40	49	SW	8	+	29.30	-25	47	46	-5	W	8	+	5	-	52	41	*	0.39	
	Christiansund ...	29.84	54	WSW	9	+	29.88	-05	50	46	-8	W	8	b	5	-	55	50	*	0.71	
Skudesnaes ...	30.18	54	Z	0	o	30.05	-18	54	54	+1	WNW	6	+	2	b, o	55	52	*	-		
BRITISH ISLANDS.	Sumburgh Head ...	30.04	53	WSW	5	c	30.06	-03	51	48	-2	W	2	b	3	o, c	56	48	*	0.01	
	Stornoway ...	30.16	58	W	3	o	30.17	-00	51	50	-5	WNW	2	ow	2	o	62	49	0.5	0.02	
	Malin Head ...	30.21	57	E	3	bc	30.15	-11	56	55	-1	NE	2	c	1	b, bc	63	51	*	-	
	Blacksod Pt. ...	30.20	62	NE	3	b	30.11	-14	59	57	+2	ENE	3	c	3	b	65	56	*	-	
	Valencia ...	30.10	68	ESE	2	bm	30.01	-20	58	50	+3	ESE	1	cm	3	bc, m	73	54	11.3	-	
	Roche's Pomt ...	30.13	63	E	3	b	30.01	-20	60	57	+1	ENE	3	bc	2	b	66	55	*	-	
	Parsonstown ...	30.15	66	N	1	bc	30.07	-19	53	52	+3	NW	2	o	*	bc	68	49	6.1	-	
	Donaghadee ...	30.21	57	N	1	b	30.14	-11	54	54	-2	NNE	3	bw	2	-	58	52	*	-	
Liverpool Obsy. ...	30.17	63	N	1	om	30.08	-19	56	55	0	SSE	1	b	?	f, om	67	51	*	-		
Holyhead ...	30.19	55	N	2	f	30.06	-19	59	58	+2	NE	2	f	1	f	62	54	*	-		
Pembroke (St. Ann's) ...	30.10	62	NE	5	bc	29.97	-24	56	53	-1	ENE	4	bc, m	2	-	68	52	10.7	-		
GERMANY, &c.	Scilly (St. Mary's) ...	30.02	62	E	5	c	29.84	-29	60	58	+1	E	6	om	4	c	66	57	11.3	*	
	Jersey (St. Aubins) ...	30.03	66	ENE	5	bc, m	29.91	-25	64	60	+2	E	3	cm	3	b, bc, m	71	60	10.3	0.91	
	Portland Bill ...	30.10	62	E	5	bm	29.97	-24	58	56	-2	E	6	c	4	b, m	66	54	*	-	
	Dungeness ...	30.15	62	E	5	m	30.04	-20	61	59	-2	ESE	4	m	2	b, m	67	59	*	-	
	Wick ...	30.17	64	SW	1	b	30.14	-03	53	51	0	N	1	o	1	-	69	50	*	0.05	
	Nairn ...	30.15	62	W	1	b	30.14	-06	56	55	+1	Z	0	o	0	-	67	52	*	0.01	
	Aberdeen ...	30.15	54	NE	2	bcf	30.15	-06	54	53	-3	NNW	2	og	1	b, bcf	61	46	11.2	-	
	Leith ...	30.16	64	W	1	b	30.13	-10	50	49	-10	W	1	m	*	-	71	42	*	-	
North Shields ...	30.18	62	ESE	2	bc	30.09	-17	53	52	-3	NNW	3	bc, m	2	bc, bc	65	51	*	-		
FRANCE.	Spurn Head ...	30.19	60	E	4	f	30.12	-16	56	55	-1	SE	2	o	1	f	67	53	*	-	
	Yarmouth ...	30.20	62	NE	3	b	30.09	-16	62	60	+2	ENE	2	bcw	2	b	65	57	*	-	
	Loughborough ...	30.19	66	E	2	b	30.12	-17	54	53	+4	E	1	og, m	*	bc, b, om	71	50	*	-	
	Oxford ...	30.16	60	ENE	1	b	30.09	-19	53	53	+3	NE	2	of	*	b	71	48	*	-	
	London (Brixton) ...	30.14	62	ENE	3	b	30.06	-20	58	57	+3	ENE	1	bm	*	bc, b	72	53	6.9	-	
	The Scaw (Skagen) ...	30.10	56	W	3	bc	29.99	-17	57	55	+2	WNW	5	c	1	-	64	55	*	-	
	Fanö ...	30.23	56	W	2	o	30.16	-08	56	54	+1	W	2	o	*	-	63	55	*	-	
	Cuxhaven ...	30.25	61	NW	1	b	30.18	-07	51	50	-7	SW	1	f	*	-	63	50	*	-	
The Helder ...	30.19	61	ENE	1	b	30.11	-13	64	60	+3	E	1	b	0	-	64	55	*	-		
SPAN. PEN.	Brussels ...	30.23	59	W	2	b	30.20	-02	53	52	-1	WNW	1	b	*	-	64	50	*	-	
	Berlin ...	30.20	58	NE	2	b	30.14	-13	54	50	+3	ENE	2	b	*	-	72	50	*	-	
	Frankfurt ...	30.24	55	NE	2	b	30.18	-10	46	46	-5	E	3	f	*	-	64	42	*	-	
	Munich ...	30.19	62	NE	4	b	30.08	-19	57	54	-1	E	3	o	2	-	70	54	*	-	
	C. Gris Nez ...	29.93	69	E	3	c	29.84	-22	63	61	+4	E	3	o	2	-	69	59	*	-	
	Lorient ...	29.88	70	E	5	c	29.86	-15	63	62	+2	ESE	3	bc	2	-	77	59	*	-	
	Rocheport ...	29.89	74	SE	3	c	29.91	-06	64	63	+4	SSE	3	o	*	o, c	82	57	*	-	
	Biarritz ...	29.89	65	ESE	4	blf	29.93	+02	66	63	-2	E	3	bc	0	blf	73	61	*	0.43	
SPAN. PEN.	Paris ...	30.08	66	NE	2	b	29.97	-24	59	56	+4	ESE	2	o	*	-	73	55	*	-	
	Belfort ...	30.07	63	ENE	5	m	30.03	-16	57	54	+8	ENE	4	m	*	-	68	49	*	-	
	Lyons ...	30.01	69	ENE	2	bc	30.17	-00	59	55	+2	SW	1	o	*	-	77	56	*	-	
	Nice ...	30.06	69	Z	0	b	30.04	-07	71	60	+2	NE	1	b	0	-	79	62	*	-	
Perpignan ...	30.00	68	SE	3	b	30.00	-06	68	66	0	NE	2	o	*	-	75	65	*	-		
SPAN. PEN.	Corunna ...																				
	Lisbon ...	29.93	65	SSW	4	c	29.99	+11	66	62	+2	SW	4	b	*	-	70	63	*	0.08	
	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 9/9/1902.



# WEATHER CHARTS

FOR *Tuesday, 9<sup>th</sup> September, 1902.*

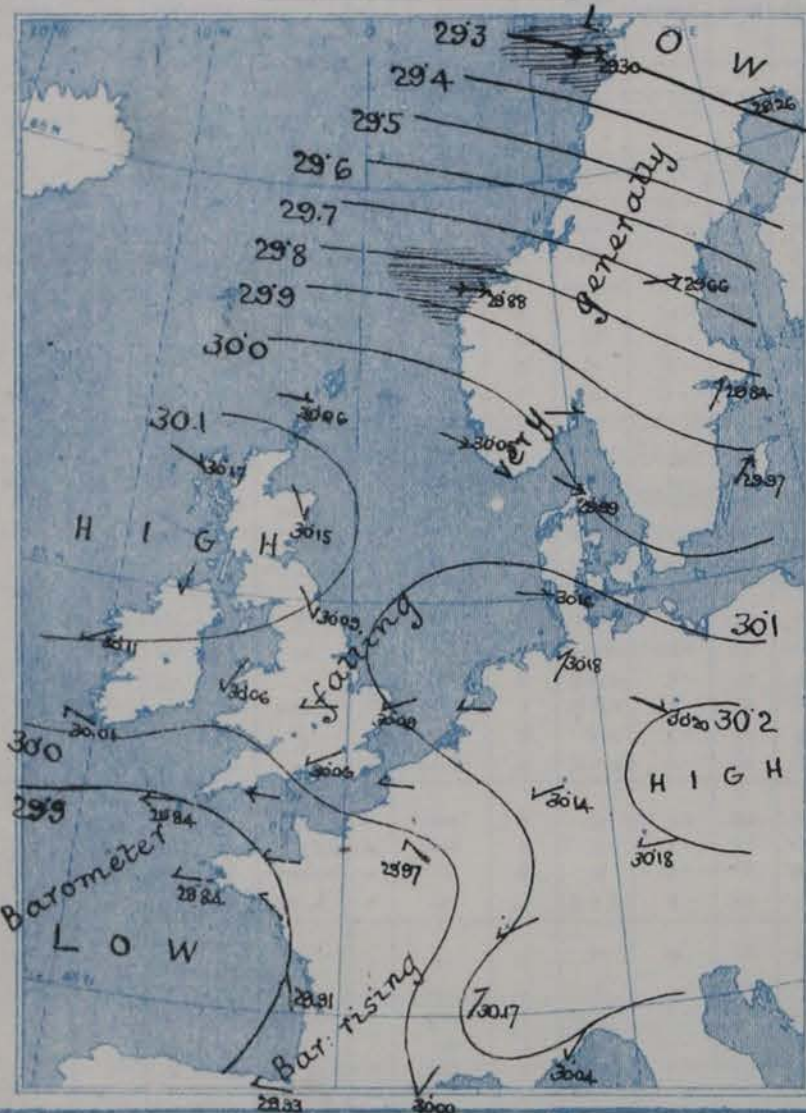
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

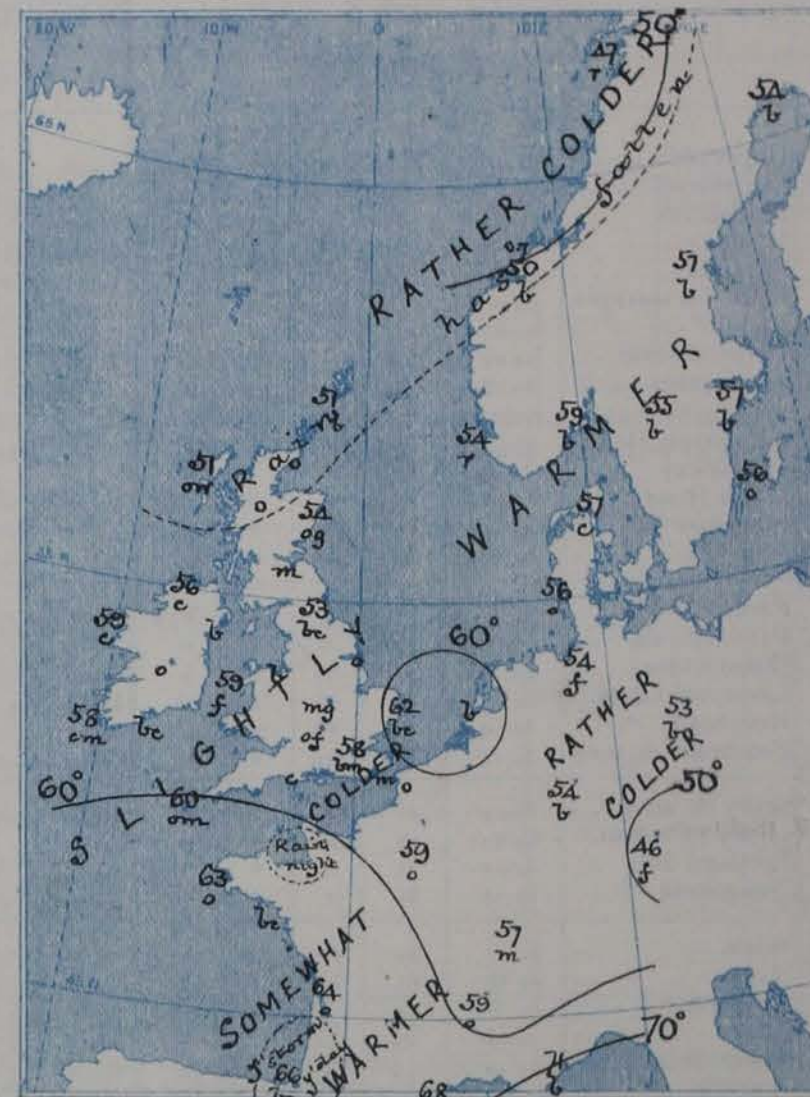


## II. TEMPERATURE AND WEATHER. *This Morning.*

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 SEPTEMBER.

Specimen { Average No. of } 3.6  
(for Stornaway) { Hours daily }  
Total Possible 12.6



## V. Means of DAILY TEMPERATURE

*at 8 A.M. for the monthly period*

*SEPTEMBER (1871-1900)*





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The anticyclone recently noticed over North-western Europe is breaking up, the highest reading, 30.1 in. and upwards, being now found in two areas - one lying over Scotland and the north of Ireland, and the other over Germany and the southern parts of Denmark and the North Sea. The lowest pressures, 29.3 in. and less, are found in a large and rather deep cyclonic system which is passing eastwards across the north of Scandinavia. A much shallower disturbance with readings below 29.9 in. lies over the Bay of Biscay and is spreading over our own south-west coasts. The barometer is falling over Western Europe generally, but is rising a little over the south-west of France.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind remains E<sup>ly</sup> over France, Western Germany, the Netherlands and the southern parts of the United Kingdom, and although light or moderate in force generally, it blows strongly in the western part of the Channel. In the north of Ireland it is light from the N.E<sup>ly</sup>, while in Scotland it varies between N. and W. W<sup>ly</sup> winds are reported over Scandinavia and Denmark, and on the west coasts of Norway they blow with the force of a gale. Temperature has risen generally, but has fallen on our south and north-east coasts, as well as in Germany and the west of Norway. Over the United Kingdom the readings are now mostly above the average, the thermometer at our western and southern stations ranging as a rule between 55° and 60°, but touching 61° at Dungeness and 62° at Yarmouth. In Germany the readings remain low, the thermometer standing at 46° at Munich and 51° at Cuxhaven. The weather, though foggy in places, is fine over the greater part of Ireland and England and also over the Netherlands, Germany and Sweden. In Scotland and in France the sky is overcast; rain is falling at Bodø and Skudenes. The sea is slight or smooth generally, but moderate in the western part of the Channel and rather rough on the Norwegian coasts.

During yesterday the thermometer rose to 70° or slightly above it in several parts of the United Kingdom, to 75° and upwards in the west and south of France and to 82° at Rochefort. The amount of bright sunshine was generally large, between 10 and 11½ hours being reported at many of our coast stations. A little rain fell in the north of Scotland and a considerable quantity in the west of Norway; a thunderstorm occurred last evening at Brannity.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system over the Bay of Biscay will probably continue to spread northwards and unsettled weather is therefore likely over all our southern districts, with rain in most places. Over the northern parts of the United Kingdom the weather is likely to remain fair for the present.

## FORECASTS \*

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

### DISTRICTS.

### FORECASTS.

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

N.W<sup>ly</sup> winds, light or moderate, fine generally.

Light breezes, chiefly N<sup>ly</sup>, fair generally, but some mist or fog on coasts.

E<sup>ly</sup> winds, light or moderate inland, fresh on coast; fair at first, cloudy later, probably some rain.

### DISTRICTS.

### FORECASTS.

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

Same as Nos. 1 and 2.

N.E<sup>ly</sup> winds, light, to E<sup>ly</sup> moderate; fair generally.



E<sup>ly</sup> winds, strong to moderate; cloudy, some rain.

Same as No. 7.

E<sup>ly</sup> winds, moderate; fair at first, some rain later.

### 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 hinted 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 hinted 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 ... ..	*	*	*	*	*	*	*	*	*	b, m	*	b	66	58	11.4	-
Newton Reigny (Penrith) ...	30.15	61	20	b	30.09 -15	51	50	0	24	m	*	c, b, m	72	42	8.8	-
Bath ... ..	30.12	66	W 3	b	30.04 -2.1	56	55	+1	NE 2	c	*	-	71	50	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. ...	72	49	m, b	10.3	-	Worthing up to 6 p.m. ...	*	*	*	11.2	*
Birmingham, 9 p.m. ...	70	50	b	6.3	-	Llandudno ... ..	*	*	*	9.2	-
Lowestoft, up to 6 p.m. ...	62	49	b	3.8	-	Rhyl up to 6 p.m. ...	*	*	*	9.5	-
Hastings up to 6 p.m. ...	*	*	*	11.6	*	Southport, 9 p.m. ...	64	48	om, b, o	5.7	-
Eastbourne up to 6 p.m. ...	*	*	*	10.7	*	Manchester, 9 p.m. ...	78	48	c, b, m	2.8	-
Brighton ... ..	*	*	*	9.6	*	Darwen, 9 p.m. ...	*	*	*	*	*

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

STATIONS. 8 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 7 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F. at 1 p.m. °	WEATHER.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
Marseilles ... ..	75	55	o, c	Ins.	Geneva ... ..	Information not received.		Ins.
Utrecht... ..	70	48	o, bc	—	Berne ... ..			
Copenhagen... ..	61	52	bc, m	—	Lucerne ... ..			
Prague ... ..	64	50	o, f	—	Lausanne ... ..			
Vienna ... ..	70	54	b, c	—	Lugano ... ..			
Buda-Pesth ... ..	75	55	b, b	0.04	Locarno ... ..			
St. Petersburg ... ..	59	43	bc, bc	—				
Rome ... ..	83	59	b, bc	—				
Malta ... ..	85	76	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.  
\* 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 <sup>TH</sup> SEPT. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.17	11.50	6.23
Greenwich ... ..	5.26	11.57	6.28
Wick ... ..	5.30	12.09	6.48
Valencia ... ..	6.6	12.38	7.10

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 10<sup>TH</sup> SEPTEMBER 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.	Sea (0 to 9.)	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall Ins.
	At 92° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)			At 92° 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 ...	29.25	50	NW	6	b	29.32	+06	46	42	-8	NW	4	0	*	-	57	43	*	-
	Hernösand ...	29.69	50	W	4	b	29.70	+04	47	40	-10	W	6	b	*	-	61	47	*	-
	Stockholm ...	29.78	59	N	2	c	29.86	+02	50	43	-7	N	6	b	*	-	66	50	*	-
	Wisby ...	29.82	58	W	6	b	29.80	-17	56	54	0	NNW	2	0	*	-	63	48	*	-
	Karlstad ...	29.79	57	NNW	2	b	29.97	+11	49	43	-6	N	4	b	*	-	*	*	*	-
	Færder (X'iania Fjord)	29.83	57	NW	4	b	29.97	+06	53	46	-6	NNE	6	b	2	-	61	52	*	-
	Bodö ...	29.46	45	SSE	8	o	29.56	+26	46	45	-1	NNW	6	r	3	-	47	43	*	0.47
	Christiansund ...	29.98	44	NW	8	+	30.12	+24	44	41	-6	NNW	7	+	5	-	50	41	*	0.16
	Skudesnaes ...	30.06	51	N	4	c	30.08	+03	46	42	-8	N	6	b	2	c	57	45	*	*
BRITISH ISLANDS.	Sumburgh Head	30.16	45	NNW	2	o	30.24	+18	43	39	-8	NNW	2	bc	3	b, o	53	38	*	-
	Stornoway ...	30.19	53	ESE	3	o	30.22	+05	45	42	-6	E	4	bc	4	o	59	43	2.4	-
	Malin Head ...	30.07	55	NE	5	bc	30.08	-07	54	51	-2	E	5	o	3	c, bc	59	51	*	-
	Blacksod Pt. ...	30.02	60	ENE	5	bc	30.01	-10	58	56	-1	E	3	om	3	b, bc	62	55	*	*
	Valencia ...	29.92	64	ENE	2	om	29.92	-09	59	57	+1	Z	0	ogm	3	om, om	66	57	2.8	0.03
	Roche's Point ...	29.94	60	E	4	ogp	29.93	-08	60	58	0	ENE	2	om	1	o, ogp	63	57	*	0.06
	Parsonstown ...	29.98	63	NW	1	c	29.98	-09	57	55	+4	E	3	om	*	bc, c	67	52	7.5	-
	Donaghadee ...	30.03	59	N	3	bc	30.08	-06	54	51	0	SE	4	o	4	-	59	53	*	-
	Liverpool Obsy.	30.00	62	E	3	m	30.05	-03	56	54	0	E	3	o	3	f, m	67	54	*	-
	Holyhead ...	29.97	60	NE	3	c	30.01	-05	56	54	-3	ENE	3	om	2	bc, c	65	55	*	-
	Pembroke (St. Ann's)	29.92	61	ENE	2	o	29.90	-07	58	56	+2	ENE	5	o	4	o, ogm	63	55	0.9	0.25
	Scilly (St. Mary's)...	29.83	61	E	4	om	29.88	+04	61	59	+1	SE	2	c	3	c, om	65	58	2.7	-
GERMANY, &c.	Jersey (St. Aubins)...	29.88	65	NNW	2	bc	29.97	+06	62	60	-2	WSW	3	om	3	o, t, gl	71	56	2.3	0.17
	Portland Bill ...	29.91	59	ESE	5	rm	29.95	-02	59	58	+1	NE	1	om	2	c, rm	66	58	*	0.23
	Dungeness ...	29.94	63	E	4	c	29.97	-07	65	63	+4	E	2	b	1	bc, c, t	68	59	*	-
	Wick ...	30.19	55	SE	2	o	30.24	+10	47	45	-6	SE	2	c	2	-	57	44	*	0.01
	Nairn ...	30.16	54	E	2	o	30.21	+07	47	46	-9	E	1	o	1	-	58	43	*	0.04
	Aberdeen ...	30.16	53	NE	2	c	30.21	+06	48	46	-6	NNW	1	cg	2	o, c	58	46	0.7	-
	Leith ...	30.11	55	E	2	o	30.16	+03	50	48	0	NE	3	c	*	-	65	47	*	-
	North Shields ...	30.09	55	N	3	o	30.13	+04	53	48	0	NNE	3	o	3	c, o, p	59	51	*	-
	Spurn Head ...	30.04	60	ENE	3	o	30.06	-06	57	55	+1	NNE	3	op	2	-	63	55	*	0.07
	Yarmouth ...	30.00	63	ENE	3	bc	30.02	-07	60	58	-2	ENE	4	o	4	c, bc	65	58	*	0.07
	Loughborough ...	29.99	63	E	3	bc	30.05	-07	56	55	+2	ENE	2	ogmd	*	bc, omp	69	54	*	0.03
	Oxford ...	29.97	60	Z	0	o	30.00	-09	57	56	+4	NE	2	r	*	bc, c, o, r	68	53	*	0.11
	London (Brixton) ...	29.95	63	ENE	3	o	29.98	-08	60	59	+2	ENE	1	ogm	*	bc, op	72	57	1.8	-
FRANCE.	The Scaw (Skagen)	29.88	55	W	2	b	29.91	-08	54	51	-3	NE	3	b	1	-	59	54	*	-
	Fanö ...	30.05	54	W	2	o	30.01	-15	54	49	-2	NW	4	c	*	-	59	52	*	-
	Cuxhaven ...	30.05	61	N	2	o	30.02	-16	58	55	+7	NE	2	o	*	-	63	51	*	-
	The Helder ...	30.00	64	ENE	3	b	29.98	-13	60	57	-4	ENE	3	c	2	-	68	59	*	-
	Brussels ...	*	*	*	*	*	29.97	-09	61	58	+2	NE	1	c	*	-	70	53	*	0.04
	Berlin ...	30.05	59	SE	1	b	29.98	-22	58	55	+5	SE	1	c	*	-	68	53	*	-
	Frankfurt ...	29.97	63	E	2	b	29.97	-17	59	56	+6	NE	1	b	*	-	75	54	*	-
	Munich ...	30.08	59	SE	3	b	30.07	-11	62	60	+16	W	4	b	*	-	68	74.6	*	-
	C. Gris Nez ...	29.97	59	NE	4	o	30.00	-08	59	56	+2	E	2	m	1	-	70	54	*	0.12
	Brest ...	29.88	63	SSW	1	c	29.90	+06	61	60	-2	SE	3	o	3	-	73	61	*	0.04
	Lorient ...	29.87	63	W	3	c	29.96	+10	64	64	+1	S	4	c	2	-	72	59	*	-
	Rochefort ...	29.92	70	SW	4	o	30.02	+11	63	63	-1	Z	0	m	*	bc, b	79	61	*	-
	Biarritz ...	29.97	73	ENE	1	bc	30.07	+14	66	62	0	SW	3	o	1	-	79	64	*	-
SPAN. PEN.	Paris ...	29.92	68	S	1	o	30.01	+04	60	59	+1	S	2	b	*	-	72	55	*	0.08
	Belfort ...	29.93	70	ENE	2	m	29.99	-04	61	59	+4	WSW	3	m	*	-	76	57	*	-
	Lyons ...	29.96	71	ESE	1	o	30.04	-03	65	61	+6	NE	1	b	*	-	81	59	*	-
	Nice ...	29.96	73	Z	0	c	30.00	-04	71	59	0	Z	0	b	o	-	81	66	*	-
	Perpignan ...	29.94	71	Z	0	o	30.04	+04	66	65	-2	NW	1	bc	*	-	75	63	*	-
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 WEDNESDAY, 10<sup>th</sup> SEPTEMBER, 1902.

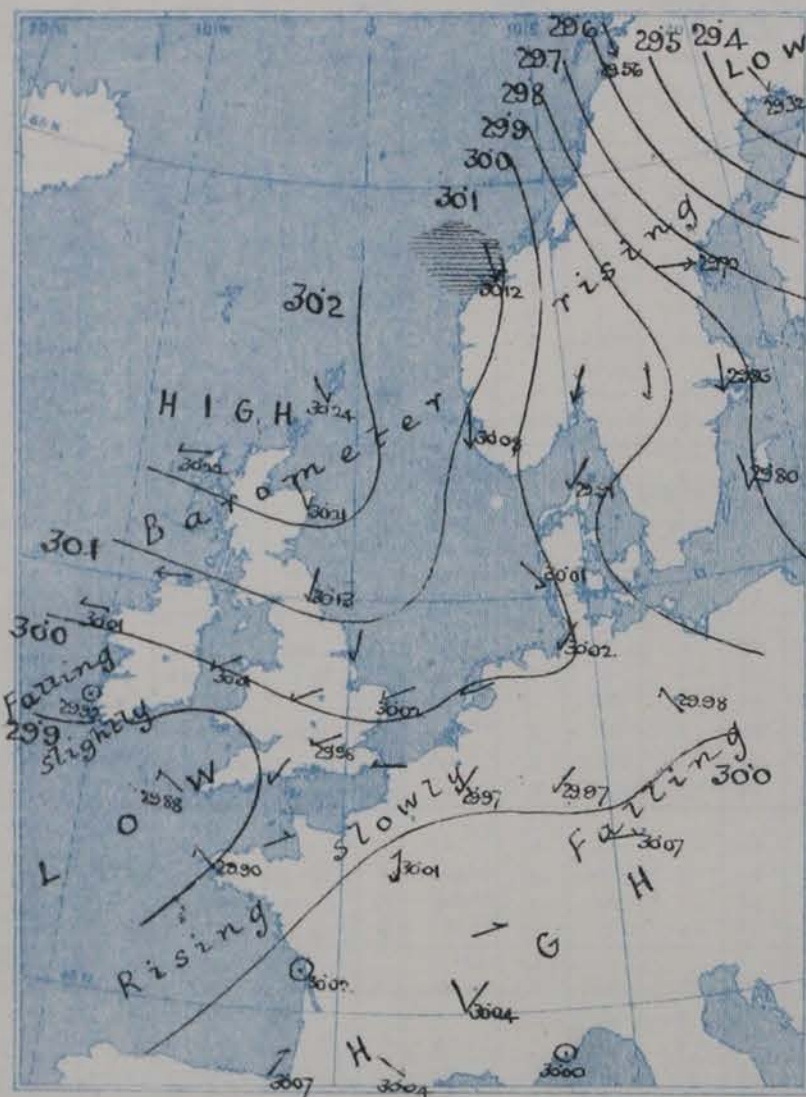
## I. BAROMETER, WIND AND SEA. This Morning.

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 SEPTEMBER.

Specimen { Average No of } 3.6  
(for Stornaway) { Hours daily } 12.6  
Total Possible



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

SEPTEMBER (1871-1900)





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

A new anticyclone is spreading over our islands from the northward, the highest readings of the barometer, 30.2 in. and upwards, being now reported over the north of Scotland and the neighbouring parts of the Atlantic. The large cyclonic system over the extreme north of Europe is travelling eastwards, and the barometer is slowly over all the more northern part of our area, the lowest pressures, 29.4 in. and less, are at present found over Lapland. The shallower disturbance recently noticed over the Bay of Biscay is moving slowly north-westwards, and while the barometer is falling slightly on our western coasts it is rising again over France and the south of England.

## WIND

## TEMPERATURE

## WEATHER

## AND

## SEA

The wind is light to moderate from the S<sup>d</sup> (S.E. to S.W.) in the west and north of France, but from the E<sup>d</sup> or N.E<sup>d</sup> over the greater part of the United Kingdom. In Scandinavia it is strong from the N<sup>d</sup> or N.W<sup>d</sup>, but in Germany it is rather variable. Temperature has fallen several degrees in Scandinavia and the north of Scotland, and to a less extent in Denmark and the north of Ireland; in the former regions the readings are now below the average, the thermometer being below 50° in most places and as low as 43° at Lumburg Head and 44° at Christiansund. Over England, Germany and Central France the thermometer has risen, the morning readings being slightly above 60° in many places, and as high as 65° at Dungeness; in the south of France the thermometer exceeds 65° and at Nice it stands at 71°. The weather is cloudy or dull over the United Kingdom generally, with mist at several of our western and southern stations, and slight rain over eastern and central England. Over the western parts of the Continent the weather is generally fine; rain is, however, falling in the west of Norway. The sea is slight or smooth on nearly all coasts.

During yesterday the thermometer rose to 65° and upwards over England and the southern parts of Ireland and Scotland, to 71° at Jersey and to 72° at London. The amount of bright sunshine was generally small, but was large on our east and north-west coasts. Slight rain has fallen in most parts of England, the south of Ireland and the north of Scotland; thunder and lightning occurred yesterday or in the night at several of our southern stations.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow disturbance off our south-west coasts will probably move away shortly to the westward or north-westward. The anticyclone which has appeared in the north will probably spread southwards, and fair dry weather is likely to set in again in most parts of Great Britain.

## FORECASTS \*

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

### DISTRICTS.

### FORECASTS.

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

N.E.<sup>d</sup> and E.<sup>d</sup> winds, light; fair generally.

N.E.<sup>d</sup> winds, light; cloudy at first, with slight rain locally, then fair.

E.<sup>d</sup> and N.E.<sup>d</sup> winds, light; cloudy generally, with slight rain in places.

### 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.

E.<sup>d</sup> winds, light or moderate; cloudy, misty, slight rain in places.

### 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	*	b, bc, l	66	58	9.1	0.01
Newton Reigny (Penrith)	30.02	58	ESE 1	bc	30.09	00	51	48	0	E 1	0	*	bc, sm	70	50	7.5	—
Bath ... ..	29.93	64	NE 1	0	29.97	-07	57	57	+1	E 1	0	*	—	76.7	56	0.6	0.16

## 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. ...	67	50	m, c, o	4.6	—	Worthing up to 6 p.m. ...	*	*	*	1.8	*
Birmingham, 9 p.m. ...	65	49	o	1.4	—	Llandudno ...	*	*	*	8.6	*
Lowestoft, up to 6 p.m. ...	66	58	c	8.7	—	Rhyl up to 6 p.m. ...	*	*	*	9.0	*
Hastings ...	*	*	*	3.2	*	Southport, 9 p.m. ...	67	49	m, b, c	7.9	—
Eastbourne up to 6 p.m. ...	*	*	*	2.5	*	Manchester, 9 p.m. ...	76	48	b	5.5	—
Brighton up to 6 p.m. ...	*	*	*	2.3	*	Darwen, 9 p.m. ...	67	51	cmw	8.4	—

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

STATIONS. 3 <sup>rd</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 8 <sup>th</sup> SEPTEMBER	TEMPERATURE, F. at 1 p.m.	WEATHER.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
Marseilles ... ..	82	57	b, o	Ins.	Geneva ... ..	66	c	—
Utrecht ... ..	72	48	c, bc	—	Berne ... ..	66	b	—
Copenhagen ... ..	63	54	b, o	—	Lucerne ... ..	63	o	—
Prague ... ..	64	48	bc, f	—	Lausanne ... ..	?	?	—
Vienna ... ..	64	54	b, b	—	Lugano ... ..	75	b	—
Buda-Pesth ... ..	70	55	b, b	—	Locarno ... ..	?	?	—
St. Petersburg ... ..	59	43	b, o	—				
Rome ... ..	83	62	b, b	—				
Malta ... ..	81	75	bc	—				
Madeira (Funchal) ... ..	77	61	bc, 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.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	12 <sup>TH</sup> SEPT., 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. 5.19	h. m. 11.50	h. m. 6.21
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	5.28	11.57	6.26
France ... ..	7 a.m. (Paris) ... ..	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	5.32	12.9	6.46
Spain ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia ... ..	6.8	12.38	7.8
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.*

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" Weekly	"	"	£1 10 0	"	Single Copies, 6d.
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**FORECASTS OF WEATHER** for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

<sup>†</sup> Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

THURSDAY 11<sup>TH</sup> SEPTEMBER 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° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.			Direc.	Force (0 to 12.)			Max.	Min.
SCANDINAVIA.	Haparanda ...	29.57	44	NW	6	b	29.77	+4.5	41	37	-5	NNW	6	bc	*	-	54	41	*	-	
	Hernösand ...	29.84	47	NW	2	b	29.93	+2.3	42	37	-5	NW	4	b	*	-	54	34	*	-	
	Stockholm ...	29.93	49	NW	2	b	29.99	+1.3	44	41	-6	W	2	b	*	-	50	44	*	-	
	Wisby ...	29.98	53	WNW	6	b	29.98	+1.8	51	45	-5	Z	0	b	*	-	61	46	*	-	
	Karlstad ...	30.04	46	N	2	b	30.02	+0.5	42	39	-7	NE	2	b	*	-	*	*	*	-	
	Färder (X'ania Fjord) ...	30.05	55	ENE	2	b	30.01	+0.4	48	43	-5	ESE	2	c	2	-	55	52	*	-	
	Bodö ...	29.92	41	NW	6	r	29.82	+2.6	41	39	-5	S	4	o	2	-	46	39	*	0.04	
	Christiansund ...	30.17	45	N	3	b	29.96	-1.6	41	39	-3	E	2	c	3	-	46	37	*	-	
Skudesnaes ...	30.05	48	N	4	b	30.00	-0.8	46	44	0	Z	0	c	1	b	54	39	*	*		
BRITISH ISLANDS.	Sumburgh Head ...	30.19	45	NE	1	c	30.03	-2.1	43	39	0	NW	1	bc	3	c	49	40	*	-	
	Stornoway ...	30.18	50	E	3	o	30.08	-1.4	41	40	-4	N	2	br	2	o	55	40	4.0	-	
	Malin Head ...	30.09	54	E	5	bc	30.03	-0.5	51	48	-3	ESE	4	bc	3	b, bc	57	48	*	-	
	Blacksod Pt. ...	30.01	60	E	4	om	30.02	+0.1	55	51	-3	ENE	3	bc	3	om, om	61	53	*	-	
	Valencia ...	29.90	61	ENE	3	om	29.91	-0.1	55	53	-4	ENE	5	om	4	om, om	64	54	0.1	0.06	
	Roche's Point ...	29.92	59	E	4	ogp	29.88	-0.5	57	55	-3	NE	4	ogm	2	o, ogp	60	55	*	0.02	
	Parsonstown ...	29.97	59	E	4	o	29.95	-0.3	52	50	-8	N	3	og	*	o	62	52	0.4	-	
	Donaghadee ...	30.08	55	SE	4	o	30.02	-0.6	51	49	-3	SE	3	gp	2	-	59	50	*	-	
Liverpool Obsy. ...	30.02	55	E	4	o	29.94	-1.1	49	48	-7	E	4	r	3	om, op	58	49	*	0.23		
GERMANY, &c.	Holyhead ...	29.99	57	E	5	om	29.92	-0.9	53	52	-3	E	5	odp	4	ogm, om	59	52	*	-	
	Pembroke (St. Ann's) ...	29.92	61	ESE	4	c	29.80	-1.0	57	55	-1	NE	4	cgm	2	-	61	55	0.0	0.10	
	Scilly (St. Mary's) ...	29.88	61	SSE	1	o	29.74	-1.4	60	59	-1	E	4	r	2	r, o, f	63	58	2.3	0.03	
	Jersey (St. Aubins) ...	29.95	65	SE	2	cg	29.86	-1.1	61	59	-1	S	3	om	3	og, r, cg	66	59	2.0	0.22	
	Portland Bill ...	29.94	60	E	1	p	29.84	-1.1	59	59	0	S	3	r	2	c, p	63	57	*	0.05	
	Dungeness ...	29.99	63	WSW	2	o	29.89	-0.8	63	62	-2	SW	3	bc	1	b, o	68	59	*	0.01	
	Wick ...	30.19	49	E	2	c	30.06	-1.8	40	39	-7	NW	1	bc	1	-	52	38	*	-	
	Nairn ...	30.16	48	E	1	c	30.05	-1.6	46	43	-1	E	1	c	1	-	50	35	*	-	
FRANCE.	Aberdeen ...	30.17	47	E	2	c	30.07	-1.4	46	44	-2	NW	2	bc	2	cp, c	52	39	1.2	0.01	
	Leith ...	30.13	52	ENE	3	o	30.04	-1.2	47	45	-3	ENE	1	r	*	-	56	45	*	0.10	
	North Shields ...	30.10	52	NE	2	o	30.01	-1.2	51	46	-2	NE	3	o	3	o, d	57	49	*	-	
	Spurn Head ...	30.04	54	ENE	4	o	29.98	-0.8	54	48	-3.1	ENE	4	of	4	-	62	50	*	0.08	
	Yarmouth ...	30.01	61	ENE	4	c	29.91	-1.1	57	55	-3	ENE	5	og	4	b, c	64	55	*	0.02	
	Loughborough ...	30.01	56	ENE	3	r	29.94	-1.1	52	52	-4	NE	2	ogm, t	*	od, g, m, t	59	52	*	0.56	
	Oxford ...	29.97	59	SE	2	r	29.87	-1.3	59	58	+2	ESE	1	om	*	r, t	64	56	*	0.48	
	London (Brixton) ...	29.95	60	ENE	3	of	29.87	-1.1	60	59	0	Z	0	og	*	og, t, r	68	56	0.1	0.79	
SPAIN, PEN.	The Scaw (Skagen) ...	30.03	55	NNE	2	b	29.99	+0.8	53	50	-1	SE	2	bc	0	-	57	52	*	-	
	Fanö ...	30.03	48	WNW	2	b	29.95	-0.6	52	50	-2	WNW	1	c	*	-	57	43	*	-	
	Cuxhaven ...	30.02	57	NNW	3	o	29.97	-0.5	54	50	-4	W	1	o	*	-	59	54	*	-	
	The Helder ...	30.01	57	NE	2	b	29.95	-0.3	55	52	-5	ESE	1	o	1	-	63	54	*	0.08	
	Brussels ...	*	*	*	*	*	29.96	-0.1	62	59	+1	Z	0	o	*	-	75	54	*	1.22	
	Berlin ...	29.97	60	NNE	2	b	29.98	-0.0	55	52	-3	NE	1	o	*	-	68	54	*	-	
	Frankfurt ...	29.97	64	W	1	b	29.95	-0.2	59	58	0	Z	0	f	*	-	61	55	*	-	
	Munich ...	30.07	64	Z	0	o	30.05	-0.2	60	60	-2	SW	3	o	*	-	75	59	*	0.98	
SPAN. PEN.	C. Gris Nez ...	30.03	62	WSW	3	o	29.92	-0.8	62	60	+3	SW	3	o	2	-	?	57	*	-	
	Brest ...	29.92	63	SSE	3	o	29.91	+2.1	60	60	-1	S	3	o	4	-	70	59	*	0.24	
	Lorient ...	29.99	64	SW	4	c	29.84	-1.2	61	61	-3	SSW	6	f	7	-	70	59	*	0.91	
	Rochefort ...	30.02	68	NW	3	c	29.88	-1.4	63	62	0	E	3	o	*	-	77	61	*	-	
	Biarritz ...	30.07	68	NE	3	b	29.93	-1.4	72	61	+6	S	3	o	1	-	73	59	*	-	
	Paris ...	30.01	66	WSW	2	bc	29.95	-0.6	57	56	-3	S	1	o	*	-	75	54	*	-	
	Belfort ...	29.93	66	WSW	3	o	29.95	-0.4	60	59	-1	Z	0	f	*	-	76	56	*	-	
	Lyons ...	30.01	69	NW	1	z, t	30.02	-0.2	63	60	-2	N	1	c	*	z, t	80	57	*	0.08	
SPAN. PEN.	Nice ...	29.97	71	SW	2	bc	29.98	-0.2	66	61	-5	E	1	c	1	-	84	61	*	-	
	Perpignan ...	29.98	72	SW	2	bc	29.98	-0.6	63	61	-3	Z	0	bc	*	-	86	60	*	-	
SPAN. PEN.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
	Lisbon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
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 *Thursday, 11<sup>th</sup> September, 1902.*

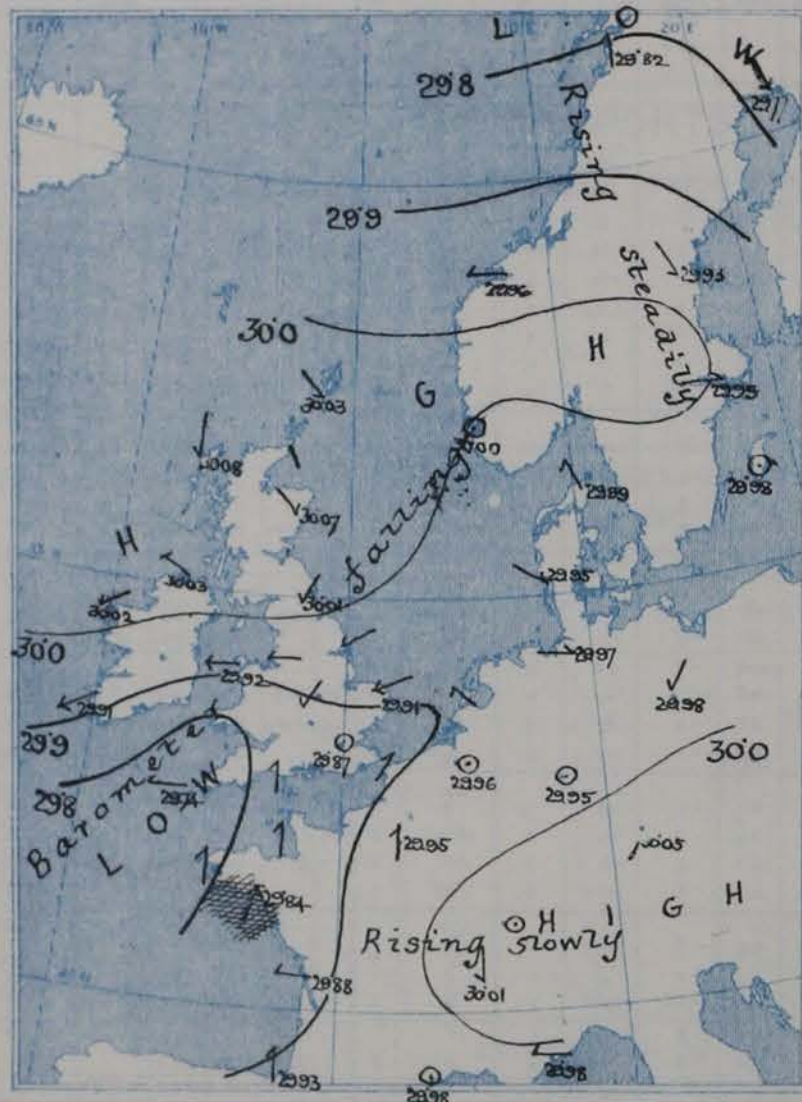
## I. BAROMETER, WIND AND SEA. *This Morning.*

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 SEPTEMBER.

Specimen { Average No. of } 3.6  
(for Stornaway) { Hours daily } 12.6  
{ Total Possible }



## V. Means of DAILY TEMPERATURE

*at 8 A.M. for the monthly period*

*SEPTEMBER (1871-1900.)*





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The distribution of pressure over Western Europe is now very irregular. The barometer is highest, 30.0 in. and upwards, in two areas - one lying over South Germany and the east of France, the other over the northern parts of our islands and the North Sea and the south of Norway. The lowest readings, 29.8 in. and less, are found: (1) over the extreme north of Scandinavia, and (2) in a large and complex cyclonic system, the central portion of which lies off the mouth of the English Channel. The barometer is falling over Western Europe generally, but is rising in Sweden and also in the east and south of France.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is S<sup>W</sup> over France and the eastern parts of the Channel - light in force generally, but strong at Lorient. Over the United Kingdom generally it is moderate to fresh from the E<sup>SE</sup> or N.E<sup>E</sup>, but in the north of Scotland it is light from N or NW. In Scandinavia, Denmark and Germany variable breezes are reported. Temperature has fallen in most places, and is now below the average in all localities excepting the south of England and the neighbouring parts of the Continent. Over the northern parts of Great Britain the morning readings are mostly below 50°, while in the north of Scotland and in Scandinavia they are below 45°, the lowest reported being 40° at Wick. In the south-east of England and the north and west of France, the thermometer stands at, or a trifle above, 60°. The weather is fine in the northern parts of Ireland and Scotland, and also in Scandinavia and Denmark, but is cloudy or dull elsewhere; rain is falling at several of the English stations and also at Lorient; fog prevails in some parts of France and Germany. The sea is moderate or slight generally.

During yesterday the thermometer rose to 68° in London and at Dungeness; over the northern part of the United Kingdom it failed to reach 60°, and in the north of Scotland it did not reach 55°. The amount of bright sunshine was small; at many of our western stations there was none. Rain has fallen in many parts of Western Europe - heavily in places, the largest amount reported being 1.2 in. at Brussels, 0.9 at Lorient and 0.8 in London. Thunderstorms occurred yesterday in London and at Lyons, and thunder only at Oxford.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system in the south is spreading slowly northwards, and the weather over our islands is therefore likely to remain in a very unsettled state, with rain in most districts and thunder in many parts of England.

## FORECASTS \*

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

### DISTRICTS.



### FORECASTS.

0	{ SCOTLAND NORTH	N.W <sup>W</sup> to N.E <sup>E</sup> winds, light; fine at first, some rain later
1	{ SCOTLAND EAST	N <sup>W</sup> winds, light; cool, cloudy, some rain.
2	{ ENGLAND N.E.	E <sup>SE</sup> and N.E <sup>E</sup> winds, moderate or fresh; unsettled, rain at times, thunder locally
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	S <sup>W</sup> to E <sup>SE</sup> winds, light; unsettled, rain at times, thunder locally.
5	{ ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	N.E <sup>E</sup> winds, light; fair at first, some rain later.
7	{ ENGLAND N.W.	Same as Nos. 2 and 3.
8	{ ENGLAND S.W.	
9	{ IRELAND NORTH	N.E <sup>E</sup> winds, moderate or fresh; dull, misty, some rain.
10	{ IRELAND SOUTH	
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 ... ..	*	*	*	*	*	*	*	*	*	*	0	*	bc, 0	65	60	3.3	0.17	
Newton Reigny (Penrith)	3007	50	E 1	m	29.99	-10	48	46	-3	20	0	*	ogm	55	47	0.0	-	
Bath ... ..	29.92	64	NW 1	t	29.84	-13	60	58	+3	51	0	*	-	65	58	0.0	0.13	

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. ...	57	50	0	0.0	0.12	Worthing up to 6 p.m. ...	*	*	*	2.1	*
Birmingham, 9 p.m. ...	60	54	7	0.0	0.44	Llandudno ...	*	*	*	0.0	*
Lowestoft, up to 6 p.m. ...	64	58	6	2.8	0.02	Rhyl up to 6 p.m. ...	*	*	*	0.0	*
Hastings ...	*	*	*	4.0	*	Southport, 9 p.m. ...	56	51	op. 0	0.0	—
Eastbourne up to 6 p.m. ...	*	*	*	3.5	*	Manchester, 9 p.m. ...	64	52	b. od	0.0	0.04
Brighton up to 6 p.m. ...	*	*	*	2.3	*	Darwen, 9 p.m. ...	56	48	om	0.0	0.04

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

STATIONS. 10 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 9 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F. at 1 p.m. °	WEATHER.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
Marseilles ... ..	88	61	c, o	Ins.	Geneva ... ..	68	bc	—
Utrecht... ..	72	54	c, c	—	Berne ... ..	70	m	—
Copenhagen... ..	59	52	c, bc	—	Lucerne ... ..	68	b	—
Prague ... ..	NOT RECEIVED				Lausanne... ..	?	?	—
Vienna ... ..	66	48	b, o	—	Lugano ... ..	77	b	—
Buda-Pesth ... ..	70	55	c, bc	—	Locarno ... ..	?	?	—
St. Petersburg ... ..	?	52	o, b	—				
Rome ... ..	87	64	b, b	—				
Malta ... ..	85	75	c	—				
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.

\* 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 <sup>th</sup> SEPT. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth ... ..	5.22	11.50	6.18
Greenwich ... ..	5.30	11.57	6.24
Wick ... ..	5.35	12.9	6.43
Valencia ... ..	6.10	12.38	7.6

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

"	Weekly	"	"	£1 10 0	"	Single Copies, 6d.
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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 12<sup>TH</sup> SEPTEMBER

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.		Force (0 to 12.)	Weather.	Sea (0 to 9.)	Temp.		Sun- shine. Hours	Rainfall. Ins.
At 32° and M.S.L.	Dry Bulb.	Dirac.	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Max.	Min.											
Ins.	Ins.	°	°	Ins.	Ins.	°	°	Ins.	Ins.	°	°	Ins.	Ins.	°	°	Ins.	Ins.	°	°	Ins.	Ins.
SCANDINAVIA.	Haparanda ...	29.71	41	W	2	0	29.63	-14	41	41	0	SE	2	0	0	0	0	52	39	*	0.08
	Hernösand ...	29.73	44	Z	0	0	29.57	-36	37	37	-5	Z	0	0	0	0	0	50	37	*	-
	Stockholm ...	29.81	46	Z	0	0	29.51	-48	51	50	+7	S	2	0	0	0	0	54	39	*	-
	Wisby ...	29.97	46	NE	2	0	29.55	-43	49	48	-2	ESE	2	0	0	0	0	57	41	*	0.16
	Karlstad ...	29.78	50	S	2	0	29.50	-52	46	45	+4	W	2	0	0	0	0	58	46	*	-
	Færder (X'ania Fjord) ...	29.75	53	SW	4	0	29.47	-54	48	45	0	NNE	2	0	0	0	0	58	46	*	-
	Bodö ...	29.62	41	S	4	0	29.52	-30	41	39	0	ENE	2	0	0	0	0	41	36	*	23.51
	Christiansund ...	29.69	44	WNW	3	0	29.53	-43	40	39	-1	N	6	0	0	0	0	46	39	*	0.35
Skudesnaes ...	29.55	45	NNW	4	0	29.54	-46	44	43	-2	NNW	4	0	0	0	0	50	43	*	*	
BRITISH ISLANDS.	Sumburgh Head ...	29.84	47	W	4	0	29.66	-37	42	40	-1	NNE	4	0	0	0	0	50	41	*	0.03
	Stornoway ...	29.97	52	W	2	0	29.71	-37	49	48	+8	NNE	4	0	0	0	0	59	39	6.2	0.08
	Malin Head ...	30.00	52	E	2	0	29.77	-26	53	51	+2	WNW	6	0	0	0	0	56	48	*	0.03
	Blacksod Pt. ...	30.02	55	NE	5	0	29.91	-11	54	52	-1	NW	4	0	0	0	0	57	51	*	0.02
	Valencia ...	29.94	58	NNE	4	0	29.97	+06	55	51	0	NNW	4	0	0	0	0	60	51	2.7	-
	Roche's Point ...	29.89	56	NNE	4	0	29.94	+06	50	46	-7	NNW	4	0	0	0	0	59	46	*	-
	Parsonstown ...	29.94	54	N	3	0	29.90	-05	49	47	-3	W	3	0	0	0	0	58	41	0.7	-
	Donaghadee ...	29.98	53	E	3	0	29.81	-21	51	49	0	WSW	3	0	0	0	0	53	49	*	-
Liverpool Obsy. ...	29.92	50	E	3	0	29.78	-16	52	48	+3	NNW	1	0	0	0	0	53	46	*	0.11	
Holyhead ...	29.91	52	E	5	0	29.82	-10	53	49	0	N	3	0	0	0	0	54	49	*	0.04	
Pembroke (St. Ann's) ...	29.77	56	NE	4	0	29.81	+01	53	49	-4	NNE	5	0	0	0	0	61	53	0.0	0.19	
GERMANY, &c.	Scilly (St. Mary's) ...	29.70	59	NNE	4	0	29.76	+02	58	56	-2	NNE	5	0	0	0	0	62	55	0.1	0.48
	Jersey (St. Aubins) ...	29.75	63	ESE	4	0	29.64	-22	62	60	+1	NW	2	0	0	0	0	65	58	0.7	0.01
	Portland Bill ...	29.78	60	ESE	3	0	29.71	-13	52	51	-7	NNE	4	0	0	0	0	61	51	*	0.30
	Dungeness ...	29.83	62	SW	3	0	29.68	-21	60	59	-3	NNE	3	0	0	0	0	66	54	*	0.01
	Wick ...	29.93	44	NW	3	0	29.70	-36	40	39	0	E	2	0	0	0	0	53	38	*	0.38
	Nairn ...	29.94	52	Z	0	0	29.66	-39	48	48	+2	NNE	3	0	0	0	0	55	42	*	0.10
	Aberdeen ...	29.96	47	ENE	1	0	29.63	-44	47	45	+1	N	3	0	0	0	0	53	43	2.6	0.03
	Leith ...	29.96	51	ENE	1	0	29.65	-39	52	49	+5	WSW	3	0	0	0	0	61	44	*	-
North Shields ...	29.94	51	NE	2	0	29.69	-32	47	45	-4	WSW	3	0	0	0	0	55	43	*	-	
FRANCE.	Spurn Head ...	29.93	52	NE	4	0	29.74	-24	50	48	-4	NW	3	0	0	0	0	56	46	*	0.04
	Yarmouth ...	29.86	57	ENE	5	0	29.70	-21	51	49	-6	N	2	0	0	0	0	61	49	*	0.36
	Loughborough ...	29.91	50	NE	3	0	29.78	-16	48	47	-4	NW	1	0	0	0	0	52	46	*	0.14
	Oxford ...	29.83	53	NE	2	0	29.76	-11	48	48	-11	N	2	0	0	0	0	60	48	*	0.37
	London (Brixton) ...	29.79	61	Z	0	0	29.71	-16	50	49	-10	NNE	2	0	0	0	0	66	50	0.0	0.53
	The Scaw (Skagen) ...	29.76	55	SSE	1	0	29.49	-50	50	46	-3	W	4	0	0	0	0	59	46	*	0.04
	Fanö ...	29.82	50	Z	0	0	29.65	-30	49	48	-3	NNE	1	0	0	0	0	57	41	*	0.04
	Cuxhaven ...	29.86	57	W	1	0	29.65	-32	54	51	0	W	1	0	0	0	0	57	52	*	-
The Helder ...	29.89	56	NE	3	0	29.68	-27	54	52	-1	NE	2	0	0	0	0	56	54	*	0.16	
SPAN. PEN.	Brussels ...	*	*	*	*	*	29.65	-31	59	58	-3	Z	0	0	0	0	0	69	55	*	0.04
	Berlin ...	29.87	61	Z	0	0	29.68	-30	59	58	+4	SW	1	0	0	0	0	66	55	*	-
	Frankfurt ...	29.86	60	N	2	0	29.72	-23	58	57	-1	SSW	2	0	0	0	0	70	57	*	0.24
	Munich ...	29.97	62	Z	0	0	29.87	-18	60	58	0	SW	3	0	0	0	0	72	57	*	0.08
	C. Gris Nez ...	29.85	63	SSW	2	0	29.72	-20	60	59	-2	WSW	2	0	0	0	0	70	57	*	-
	Brest ...	29.75	63	S	3	0	29.70	?	58	57	-2	N	1	0	0	0	0	64	57	*	0.47
	Lorient ...	29.73	64	SW	4	0	29.67	-17	59	59	-2	NE	3	0	0	0	0	70	52	*	1.30
	Rochefort ...	29.80	68	SSW	4	0	29.73	-15	65	62	+2	WSW	5	0	0	0	0	72	63	*	0.04
Biarritz ...	29.87	66	SE	2	0	29.89	-04	62	61	-10	WSW	4	0	0	0	0	77	61	*	0.82	
SPAN. PEN.	Paris ...	29.86	62	Z	0	0	29.69	-26	59	59	+2	SSE	1	0	0	0	0	64	56	*	0.55
	Belfort ...	29.86	65	WSW	2	0	29.76	-19	56	55	-4	WSW	2	0	0	0	0	75	55	*	0.12
	Lyons ...	29.90	68	N	1	0	29.80	-22	61	60	-2	W	1	0	0	0	0	76	59	*	0.51
	Nice ...	29.94	68	Z	0	0	29.89	-09	66	61	0	E	1	0	0	0	0	79	59	*	-
	Perpignan ...	29.89	69	E	2	0	29.82	-16	64	64	+1	W	2	0	0	0	0	78	62	*	-
	Corunna ...																				
	Lisbon ...	30.03	76	SW	4	0	30.04	-02	66	63	-1	SW	3	0	0	0	0	72	63	*	-
	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

FOR *Friday 12<sup>th</sup> September 1902.*

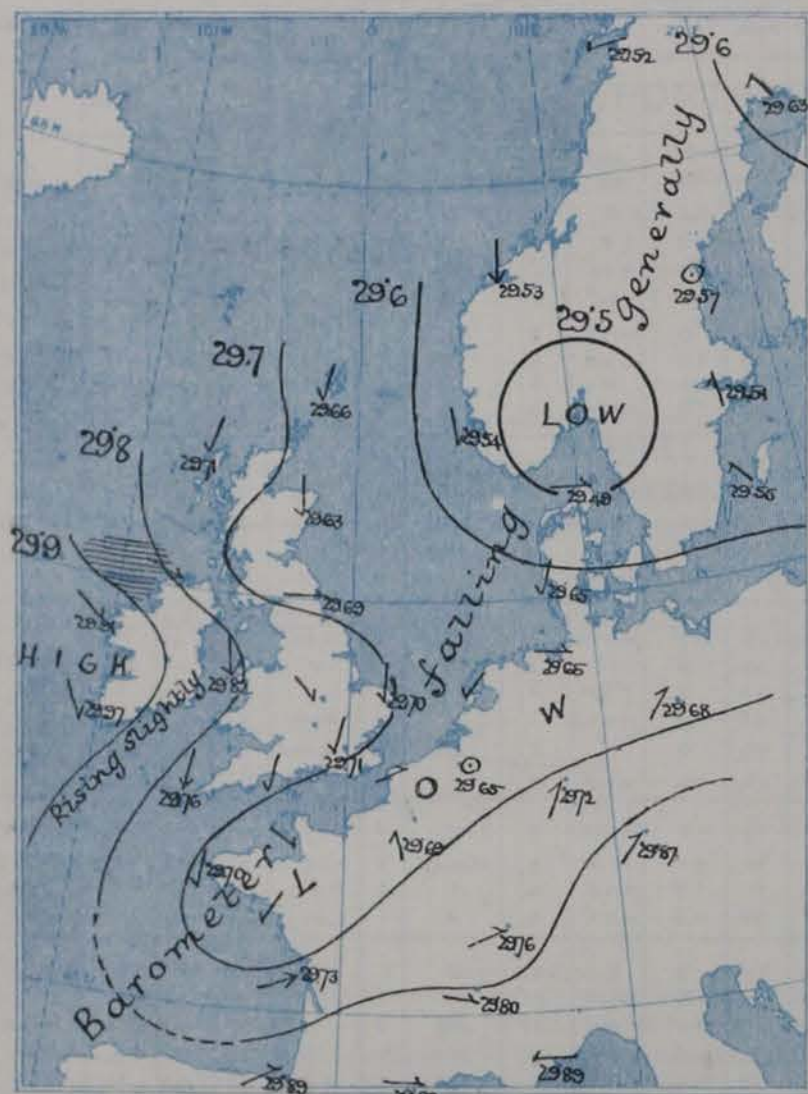
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

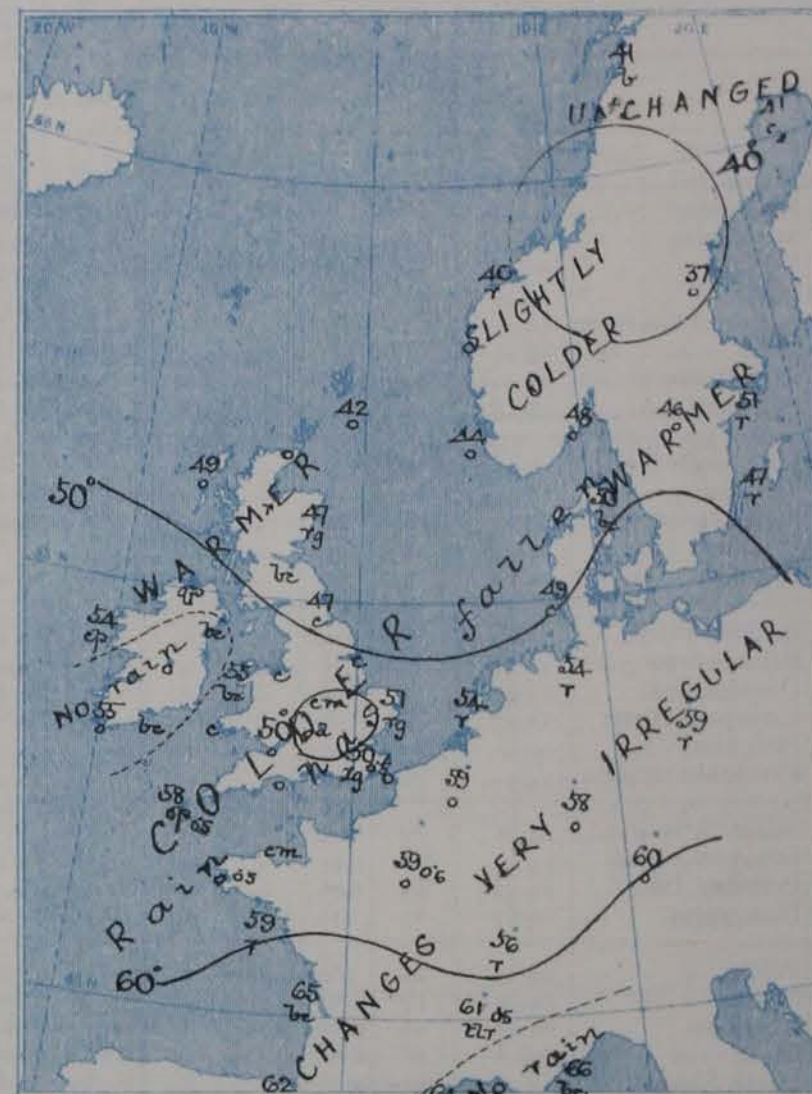


## II. TEMPERATURE AND WEATHER. *This Morning.*

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 SEPTEMBER.

Specimen { Average No. of } 3.6  
(for Stornaway) { Hours daily }  
{ Total Possible } 12.6



## V. Means of DAILY TEMPERATURE

*at 8 A.M. for the monthly period*

*SEPTEMBER (1871-1900)*





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The barometer is now highest, 29.9 ins. and upwards, in an area extending from the Atlantic over the south of Ireland, and the mercury is rising slightly on our extreme south-west coasts. In all other parts of Western Europe the barometer is falling, and while the lowest readings, 29.5 ins. and less, are found in a small cyclonic system over the south of Norway, the mercury is low, 29.7 ins. and less, in a large and irregularly shaped area lying over Scotland, the North Sea, the Netherlands and the northern parts of France and Germany.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is N<sup>ly</sup> over the greater part of the United Kingdom, the Netherlands and the north of France, as well as in the west of Norway. Light or moderate in force generally, but fresh on our south-west coasts; over the northern parts of Ireland and England, however, it is W<sup>ly</sup>. Moderate W<sup>ly</sup> breezes are reported also over the southern parts of France and in Denmark; in Germany the wind is light from the S.W.<sup>ly</sup>, while in Sweden it is S<sup>ly</sup> or S.E.<sup>ly</sup>. Over England the shift of wind to the N<sup>ly</sup> has been attended by a fall of temperature, the change since yesterday amounting to 10° in London. Over North-western Europe generally the readings are now below the average, the thermometer being below 50° in many parts of Great Britain and also over central Ireland, and below 45° in Caithness, the Shetlands and at most of the Scandinavian stations. In France the readings are mostly above 60°, the highest reported being 66° at Nice. The weather is fine on some parts of our own western coast, but is dull over Western Europe generally, with rain in many places and a thunderstorm at Lyons. The sea is moderate or slight generally, but rather rough at Malin Head.

The maximum temperatures recorded yesterday were below 55° at several of our own northern and central stations; in London and at Dungeness, however, the thermometer rose to 66°. The amount of bright sunshine was as a rule very small; in many parts of Great Britain there was none. Rain fell very generally over Great Britain and the western parts of the Continent, the largest amounts reported being 1.3 in. at Lorient, 0.6 in. at Paris and 0.5 in. in London and at Bally and Lyons.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance noticed yesterday over our south-western districts is moving eastwards across the north of France and in its rear a temporary improvement in the weather is probable over England. Another centre of low pressure (subsidiary to the Norwegian depression) over Scotland is, however, likely to move southwards and to occasion further showers in the course of tomorrow.

## FORECASTS \*

For the 24 hours ending at NOON on 13<sup>th</sup> September, 1902

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	N <sup>ly</sup> to N.E <sup>ly</sup> winds, freshening; cool, cloudy, some showers.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	W <sup>ly</sup> to N.W <sup>ly</sup> winds, fresh; cool, changeable, some showers.
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	N <sup>ly</sup> to N.W <sup>ly</sup> winds, freshening; weather improving temporarily to-day, but becoming showery again tomorrow.
5	{ ENGLAND SOUTH	



### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	N <sup>ly</sup> and N.W <sup>ly</sup> winds, fresh; cool, changeable, some showers.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	
9	{ IRELAND NORTH	
10	{ IRELAND SOUTH	

### 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, d	65	50	1.5	0.37
Newton Reigny (Penrith)	29.94	49	20	m	29.72	-27	48	45	0	WSW3	0	*	vgm	52	37	0.0	—
Bath ... ..	29.79	56	SE 1	f	29.76	-08	50	40	-10	N 2	0	*	—	63	49	0.0	0.31

## 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	0	0.0	0.21	Worthing up to 6 p.m. ...	*	*	*	1.1	*
Birmingham, 9 p.m. ...	55	47	0	0.0	0.50	Llandudno ... ..	*	*	*	0.0	*
Lowestoft, up to 6 p.m. ...	59	55	0	0.0	0.01	Rhyl up to 6 p.m. ...	*	*	*	0.0	*
Hastings up to 6 p.m. ...	*	*	*	0.0	*	Southport, 9 p.m. ...	53	48	st. 0	0.0	0.19
Eastbourne up to 6 p.m. ...	*	*	*	1.2	*	Manchester, 9 p.m. ...	59	49	st. 0	0.0	?
Brighton up to 6 p.m. ...	*	*	*	1.5	*	Darwen, 9 p.m. ...	50	45	over	0.0	0.29

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

STATIONS. 11 <sup>TH</sup> SEPTEMBER.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 10 <sup>TH</sup> SEPTEMBER.	TEMPERATURE, F. at 1 p.m.	WEATHER.	RAIN (measured at 7 a.m.)
	Max. °	Min. °						
Marseilles ... ..	81	63	b, o	Ins.	Geneva ... ..	79	b	Ins.
Utrecht ... ..	70	52	c, r	0.16	Berne ... ..	75	c	-
Copenhagen ... ..	61	52	o, o	-	Lucerne ... ..	75	b	-
Prague ... ..	72	54	o, f	-	Lausanne ... ..	?	?	-
Vienna ... ..	68	57	c, bc	-	Lugano ... ..	79	bc	-
Buda-Pesth ... ..	72	57	bc, c	-	Locarno ... ..	?	?	-
St. Petersburg ... ..	57	46	o, o	0.04				
Rome ... ..	88	63	b, b	-				
Malta ... ..	84	75	bc	-				
Madeira (Funchal) ...	77	60	bc, bc	-				

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

	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 <sup>TH</sup> SEPT. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.23	11.49	6.16
Greenwich ... ..	5.31	11.56	6.22
Wick ... ..	5.37	12.8	6.40
Valencia ... ..	6.11	12.37	7.4

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

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



# DAILY WEATHER REPORT

for 8 a.m. on

SATURDAY 13<sup>TH</sup> SEPTEMBER

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.	Direc.			Force (0 to 12.)	Weather.			Max.	Min.
SCANDINAVIA.	Haparanda ...	29.64	40	E	2	o	29.49	-1.14	42	41	+1	ENE	6	o	*	-	46	37	*	0.16		
	Hernösand ...	29.40	42	Z	o	r	29.11	-1.46	40	38	+3	NNE	6	o	*	-	46	32	*	0.71		
	Stockholm ...	29.34	49	Z	o	o	29.06	-1.45	45	45	-6	W	2	r	*	-	57	43	*	0.47		
	Wisby ...	29.36	51	SW	2	r	29.12	-1.43	49	46	o	WNW	4	o	*	-	57	41	*	0.51		
	Karlstad ...	29.29	46	SW	2	c	29.20	-1.30	44	41	-2	NE	4	o	*	c, r	*	*	*	0.04		
	Færder (X'ania Fjord) ...	29.28	49	SE	2	r	29.26	-1.21	46	42	-2	N	8	c	3	-	52	43	*	0.28		
	Bodö ...	29.52	41	ENE	2	c	29.54	+0.02	40	36	-1	E	2	b	1	-	46	36	*	-		
	Christiansund ...	29.62	41	N	5	r	29.62	+0.09	42	39	+2	NE	6	c	5	-	43	37	*	0.16		
	Skudesnaes ...	29.43	45	NNW	8	c	29.52	-0.02	42	37	-2	N	6	b	2	c	50	39	*	*		
	Sumburgh Head ...	29.79	41	NE	5	c	29.80	+1.14	44	43	+2	NW	4	c	5	bc, c	48	37	*	0.02		
BRITISH ISLANDS.	Stornoway ...	30.00	46	NNE	5	c	30.06	+1.35	45	43	-4	W	2	o	2	79, c	53	40	67	0.06		
	Malin Head ...	29.92	51	N	7	bcq	30.07	+1.30	51	47	-2	NW	5	o	4	bc, bcq	55	47	*	0.03		
	Blacksod Pt. ...	29.97	57	NNE	5	cqp	30.16	+1.25	53	48	-1	NW	1	c	2	cp, cqp	58	50	*	0.02		
	Valencia ...	29.95	58	N	4	c	30.20	+1.23	50	46	-6	NE	1	b	3	cp, c	59	44	12.5	0.02		
	Roche's Point ...	29.90	59	NNW	4	o	30.18	+1.24	48	46	-2	NNW	3	b	2	c, o	60	45	*	-		
	Parsonstown ...	29.89	56	NW	4	c	30.15	+1.25	40	39	-9	SE	1	c	*	cp	57	34	2.5	-		
	Donaghadee ...	29.85	55	NE	4	bc	30.09	+1.28	48	44	-3	N	3	c	2	-	58	43	*	0.03		
	Liverpool Obsy. ...	29.78	49	NE	3	p	30.09	+1.31	46	42	-6	NE	1	c	2	p	56	41	*	0.03		
	Holyhead ...	29.80	54	NNE	5	bcq	30.09	+1.27	51	47	-2	NW	4	c	2	ou, bcq	58	47	*	0.02		
	Pembroke (St. Ann's) ...	29.83	58	NW	5	c	30.10	+1.29	52	46	-1	Z	o	cm	2	-	58	46	7.3	*		
GERMANY, &c.	Scilly (St. Mary's) ...	29.86	58	NNW	5	c	30.08	+1.32	57	54	-1	NNE	4	c	3	c	59	54	5.7	-		
	Jersey (St. Aubin's) ...	29.78	58	NW	3	bc	30.04	+1.40	57	52	-5	NNE	3	bc	3	ap, bc	64	54	1.6	0.03		
	Portland Bill ...	29.73	57	NNW	5	c	30.09	+1.38	49	45	-3	NNE	2	b	2	c	59	43	*	-		
	Dungeness ...	29.67	55	NNW	2	bc	30.00	+1.32	47	45	-13	N	4	b	2	c, bc	60	41	*	-		
	Wick ...	29.89	44	N	4	o	29.90	+1.20	44	42	+4	N	2	c	2	-	50	38	*	0.08		
	Nairn ...	29.92	46	NNE	3	c	29.96	+1.30	46	42	-2	NW	2	bc	1	bc, c	51	39	*	0.12		
	Aberdeen ...	29.86	43	NNW	4	c	29.92	+1.29	46	41	-1	WNW	4	bcq	3	bcq, bc	51	39	5.7	0.47		
	Leith ...	29.81	49	NNE	3	bc	30.01	+1.26	44	40	-8	WNW	2	cm	*	-	63	38	*	0.01		
	North Shields ...	29.76	49	NNE	4	c	30.00	+1.31	42	38	-5	WSW	3	c	4	ap, bc, c	57	38	*	0.11		
	Spurn Head ...	29.65	52	N	6	bc	29.94	+1.20	45	42	-5	NNW	6	bc	4	-	59	42	*	-		
FRANCE.	Yarmouth ...	29.60	56	NW	2	c	29.89	+1.19	49	45	-2	WNW	4	c	5	bc, c	56	45	*	0.09		
	Loughborough ...	29.74	49	N	4	o	30.05	+1.27	41	39	-7	WNW	2	bc	*	bc, ap, b	59	35	*	0.02		
	Oxford ...	29.78	52	NNW	5	o	30.07	+1.31	45	41	-3	NNW	2	b	*	d, o	58	38	*	-		
	London (Brixton) ...	29.70	56	NW	3	b	30.03	+1.32	46	41	-4	N	2	b	*	od, c, bc	59	41	2.5	0.01		
	The Scaw (Skagen) ...	29.31	49	WSW	2	o	29.16	-1.33	47	47	-3	ENE	5	r	1	-	54	45	*	0.20		
	Fanö ...	29.40	48	W	6	o	29.32	-1.33	47	42	-2	NNW	9	o	*	-	54	43	*	0.24		
	Cuxhaven ...	29.48	51	W	1	o	29.45	-1.20	48	43	-6	NW	8	c	*	o, r, h	54	45	*	0.87		
	The Helder ...	29.54	55	NNW	5	bc	29.74	+0.06	51	47	-3	NNW	6	c	4	-	55	48	*	0.16		
	Brussels ...	*	*	*	*	*	29.89	+1.24	51	48	-8	NW	2	c	*	-	65	45	*	0.08		
	Berlin ...	29.41	59	W	1	r	29.48	-1.20	49	46	-10	W	4	c	*	-	66	46	*	0.28		
SPAN. PEN.	Frankfurt ...	29.54	60	SW	2	r	29.77	+0.05	51	47	-7	NW	4	b	*	-	66	50	*	1.53		
	Munich ...	29.75	56	W	6	r	29.78	-1.09	48	48	-12	W	4	r	*	-	70	48	*	0.35		
	C. Gris Nez ...	29.69	57	NW	5	bc	29.95	+1.23	49	47	-11	N	5	c	5	-	66	48	*	-		
	Brest ...	29.86	57	N	4	c	30.04	+1.34	55	54	-3	N	2	c	1	-	62	54	*	-		
	Lorient ...	29.81	59	Z	6	o	30.01	+1.34	56	56	-3	NW	4	c	2	-	63	54	*	0.12		
	Rochefort ...	29.75	65	WNW	4	c	29.98	+1.25	58	55	-7	NNE	3	b	*	r, c	77	54	*	0.03		
	Biarritz ...	29.94	67	WSW	5	bc	30.02	+1.13	64	61	+2	WSW	3	o	5	-	68	54	*	0.20		
	Paris ...	29.61	61	N	2	o	29.95	+1.26	52	51	-7	N	1	b	*	-	68	50	*	0.12		
	Belfort ...	29.68	58	WSW	6	bc	29.81	+0.05	51	48	-5	WSW	2	o	*	-	65	51	*	1.06		
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
SPAN. PEN.	Nice ...	29.78	68	SW	2	f	29.71	-1.18	67	57	+1	Z	o	b	3	-	77	59	*	-		
	Perpignan ...	29.84	70	W	3	o	29.93	+1.11	65	57	+1	NW	3	b	*	-	80	61	*	0.04		
SPAN. PEN.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Lisbon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
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

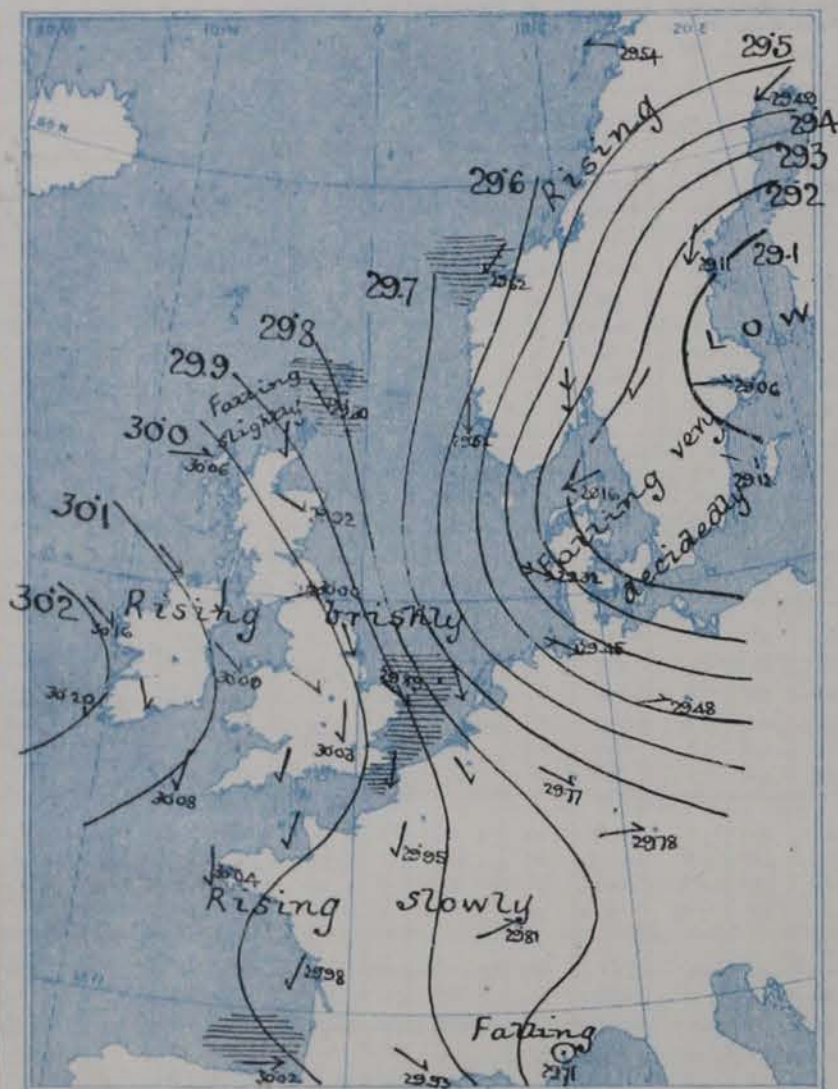
FOR Saturday, 13<sup>th</sup> September, 1902.

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 ☉  
Force 8 to 10  $\rightarrow$  : Force 1 to 4  $\rightarrow$  }

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



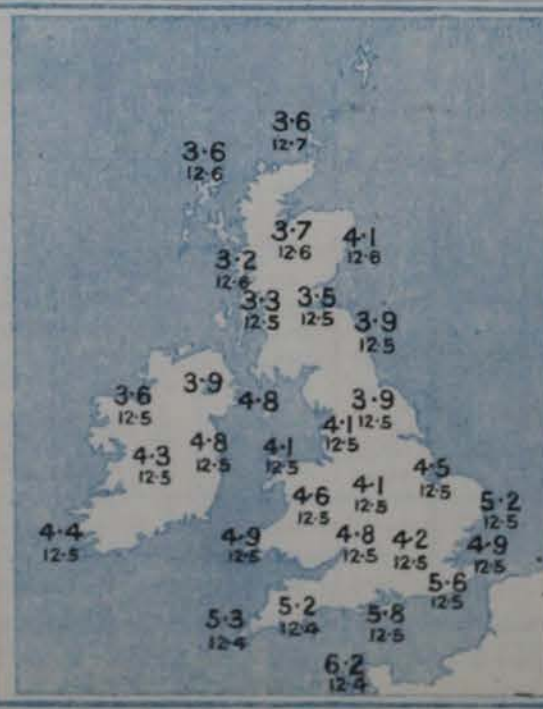
### III BAROMETER AND WIND

Yesterday morning.



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

Specimen (for Stornaway)	Average N <sup>o</sup> of Hours daily	3.6
	Total Possible	12.6



#### V. Means of DAILY TEMPERATURE

at 8 A. M. for the monthly period.

SEPTEMBER (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

An anticyclone has spread from the Atlantic over the greater part of the United Kingdom, and the barometer is rising in most parts of our islands, France, Germany and the Netherlands, the highest readings, 30.1 in. to 30.2 in. being reported over Ireland and the St. George's Channel. The cyclonic system noticed yesterday over the south of Scandinavia has grown much deeper; its centre is now situated over the southern part of the Gulf of Bothnia, where the barometer has fallen below 29.2 in. A secondary minimum is, however, reported over the south of Sweden, and the barometer is apparently still falling in Sweden and Denmark. A slight fall has also commenced in the Hebrides.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is light to moderate from the W<sup>d</sup> or N.W<sup>d</sup> in all the more northern parts of the United Kingdom, and from the N<sup>d</sup> on our southern and most of the French coasts. Over the Gulf of Bothnia the wind is strong from the N.E<sup>d</sup>, while in Denmark and the south of Norway it blows a gale from the N<sup>d</sup> or N.W<sup>d</sup>. Temperature has fallen generally and is very low for the time of year, especially over central Ireland and the eastern and central parts of England, where the readings are from 10° to 13° below the average. The morning readings are below 50° over the greater part of North-western Europe and below 45° at many of the northern and central stations, the lowest values reported being:—(1) In our islands 40° at Parsonstown and 41° at Newton Reigny (Parrish) and Loughborough; (2) On the Continent 40° at Heroldsand and 42° at Haparanda. The weather is fine over the United Kingdom and France, but is cloudy or dull in Sweden, Denmark and Germany, with rain at Stockholm, Skagen and Munich. The sea is rather rough on some of the more exposed parts of our north and east coasts, and also at Cape Grisnez and Biarritz.

The maximum temperatures registered yesterday were below 60° over nearly the whole of the United Kingdom and below 55° in the north of Scotland. During the night the sheltered thermometer fell to 31° at Newton Reigny, 34° at Parsonstown and 35° at Loughborough. The amount of bright sunshine was fairly large in the west and north (as much as 12.5 hrs. at Valencia), but small elsewhere. Showers fell in most parts of the United Kingdom and heavy rain at many of the Continental stations; thunder occurred at Berlin.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The slight fall in the barometer which has commenced in the Hebrides is accompanied by a backing wind and dull weather. A small cyclonic system (subsidiary to the Scandinavian disturbance) is apparently advancing towards the north of Scotland from the northward or north-westward, and as this moves southwards it is probable that squally, showery weather will set in over a considerable portion of the United Kingdom.

## FORECASTS \*

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W <sup>d</sup> and N.W <sup>d</sup> winds, increasing in force; fair at first, unsettled later, with cold rain or sleet.	6 { SCOTLAND WEST	Same as Nos. 3 to 5.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.		8 { ENGLAND S.W.	N <sup>d</sup> to N.W <sup>d</sup> winds, moderate; fair generally
3 { ENGLAND EAST	N.W <sup>d</sup> winds, freshening; fine at first, unsettled later, with some cold showers.	9 { IRELAND NORTH	Same as Nos. 3 to 5.
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	Same as No. 8.
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 ... ..	*	*	*	*	*	*	*	*	*	*	b	*	o.c	58	41	3.0	0.01
Newton Reigny (Penrith)	29.79	47	N 1	b	30.01		41	37		NNW 1	b	*	cpq, bw	59	31	3.3	0.03
Bath ... ..	29.75	57	N 3	b	30.10		45	42		N 1	b	*	-	60	39	5.6	-

## 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. ...	59	41	o.c.	6.1	0.05	Worthing up to 6 p.m. ...	*	*	*	1.6	*
Birmingham, 9 p.m. ...	57	43	b	3.1	0.09	Llandudno ... ..	*	*	*	4.2	*
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	5.1	*
Hastings up to 6 p.m. ...	*	*	*	1.2	*	Southport, 9 p.m. ...	58	44	qcp. b	2.7	0.05
Eastbourne up to 6 p.m. ...	*	*	*	1.0	*	Manchester, 9 p.m. ...	60	44	c, b, b	1.3	0.04
Brighton up to 6 p.m. ...	*	*	*	1.9	*	Darwen, 9 p.m. ...	55	41	bw	2.7	0.04

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

STATIONS. 12 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 11 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F. at 1 p.m.	WEATHER. 1 p.m.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
Marseilles ... ..	81	66	o. c.	Ins.	Geneva ... ..	75	o	o. 04
Utrecht... ..	61	52	o. c.	o. 08	Berne ... ..	68	o	o. 79
Copenhagen... ..	61	50	b. o.	-	Lucerne ... ..	70	o	o. 91
Prague ... ..	72	57	o. c.	-	Lausanne... ..	?	?	o. 08
Vienna ... ..	72	63	c. f.	o. 16	Lugano ... ..	70	o	-
Buda-Pesth ... ..	79	63	b. c.	o. 04	Locarno ... ..	?	?	1. 77
St. Petersburg ... ..	55	37	b. f.	-				
Rome ... ..	86	70	c. c.	-				
Malta ... ..	86	75	c.	-				
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.  
\* 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 <sup>TH</sup> SEPT. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.25	11.49	6.13
Greenwich ... ..	5.33	11.56	6.19
Wick ... ..	5.39	12.8	6.37
Valencia ... ..	6.13	12.37	7.1

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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

SUNDAY 14<sup>TH</sup> SEPTEMBER

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 ...	28.87	41	E	8	T	28.87	-62	45	43	+3	Z	0	c	*	-	45	39	*	1.85		
	Hernösand ...	28.68	37	NW	8	T	28.67	-44	41	40	+1	Z	0	o	*	-	43	34	*	0.35		
	Stockholm ...	29.06	45	WNW	4	o	29.00	-06	39	39	-6	WSW	6	f	*	-	50	39	*	0.16		
	Wisby ...	29.11	48	NNW	8	T	29.20	+08	45	39	-1	W	9	b	*	-	52	41	*	0.08		
	Karlstad ...	29.26	43	WNW	6	o	29.14	-06	42	36	-2	WNW	8	o	*	-	*	*	*	-		
	Færder (X'lania Fjord)	29.33	48	NNW	4	b	29.26	00	44	38	-2	WNW	4	b	2	-	50	43	*	-		
	Bodö ...	29.30	45	N	5	o	29.06	-48	43	40	+3	N	7	o	4	-	46	39	*	-		
	Christiansund ...	29.45	42	N	5	T	29.33	-29	43	40	+1	N	6	T	5	-	43	37	*	0.28		
	Skudesnaes ...	29.56	43	NNW	6	o	29.53	+01	41	40	-1	NNW	6	c	2	b, o	50	39	*	*		
	Sumburgh Head ...	29.61	48	W	4	c	29.64	-16	45	42	+1	NW	1	b	3	c	50	37	*	0.03		
BRITISH ISLANDS.	Stornoway ...	29.75	51	WNW	3	dp	29.71	-35	47	46	+2	WNW	2	o	4	dp, tm, dp	56	43	3.5	0.04		
	Malin Head ...	29.88	55	WNW	6	op	29.77	-30	52	52	+1	NW	6	bc, op	5	c, op	55	50	*	0.05		
	Blacksod Pt. ...	30.03	56	WNW	5	omp	29.93	-23	56	52	+3	NW	5	op	4	o, omp	58	52	*	0.12		
	Valencia ...	30.15	57	WNW	3	o	30.03	-17	55	54	+5	NW	4	omp	5	bc, o	58	49	7.5	0.02		
	Roche's Point ...	30.12	58	N	4	bc	29.96	-22	56	54	+8	NW	6	c	5	b, bc	61	47	*	-		
	Parsonstown ...	30.06	55	WSW	2	o	29.91	-24	54	52	+14	W	3	o	*	o	57	39	7.1	-		
	Donaghadee ...	29.94	54	WNW	3	og, g	29.77	-32	53	52	+5	NW	3	og, p	2	-	55	42	*	0.07		
	Liverpool Obsy. ...	29.99	51	WNW	5	o	29.77	-32	53	52	+7	WNW	5	c	5	o, p	55	46	*	0.10		
	Holyhead ...	30.04	53	W	3	o	29.82	-27	54	53	+3	WNW	6	dm	4	c, o	58	47	*	0.05		
	Pembroke (St. Ann's) ...	30.08	53	NNW	4	c	29.90	-20	57	55	+5	W	6	bc	5	c, op	58	49	9.5	0.01		
GERMANY, &c.	Scilly (St. Mary's) ...	30.20	60	WNW	3	bc	30.00	+08	60	57	+3	WNW	5	op	3	b, bc	61	54	11.2	-		
	Jersey (St. Aubins) ...	30.13	55	WNW	3	b	30.02	+02	58	53	+1	W	4	og	3	c, b, w	58	49	10.6	-		
	Portland Bill ...	30.08	57	WNW	4	bc	29.92	-17	56	53	+7	W	7	cg	4	bc	57	48	*	-		
	Dungeness ...	30.00	62	NNW	2	c	29.89	-11	55	52	+8	NW	5	c	2	bc, c	58	45	*	-		
	Wick ...	29.70	50	N	2	T	29.69	-21	47	46	+3	Z	0	o	1	-	54	42	*	0.08		
	Nairn ...	29.72	53	NW	2	o	29.69	-27	50	49	+4	NW	1	o	1	-	54	44	*	0.02		
	Aberdeen ...	29.74	52	W	2	c	29.67	-25	49	46	+3	NW	2	og	2	cp, c	55	45	5.6	0.02		
	Leith ...	29.80	53	WSW	2	o	29.70	-31	53	51	+9	Z	0	om	*	-	58	42	*	-		
	North Shields ...	29.88	51	W	3	o	29.70	-30	53	51	+11	W	2	o	3	bc, o	53	41	*	-		
	Spurn Head ...	29.90	52	W	5	bc	29.70	-24	54	52	+9	WSW	4	c	4	-	55	45	*	-		
FRANCE.	Yarmouth ...	29.96	51	W	3	c	29.76	-13	51	48	+2	WSW	4	c	3	c	53	45	*	0.03		
	Loughborough ...	30.02	80	W	1	c	29.80	-25	52	51	+11	WSW	2	odpm	*	bc, c, og	57	41	*	-		
	Oxford ...	30.03	50	NW	1	bc	29.85	-22	53	51	+8	SW	2	o	*	bc	58	44	*	-		
	London (Brixton) ...	30.01	52	NW	1	b	29.87	-16	53	50	+7	WNW	2	o	*	b, bc	57	49	10.0	-		
	The Scaw (Skagøen) ...	28.97	46	WSW	1	b	29.31	+15	46	42	-1	NW	2	b	0	-	54	45	*	-		
	Fanö ...	29.59	48	NW	8	c	29.44	+12	46	46	-1	NW	8	c	*	-	52	45	*	0.25		
	Cuxhaven ...	29.66	50	NW	6	o	29.57	+12	49	48	+1	SW	6	o	*	-	52	?	*	0.39		
	The Helder ...	29.85	53	NW	5	c	29.68	-06	55	53	+4	W	6	o	5	-	55	48	*	0.16		
	Brussels ...	*	*	*	*	*	29.89	00	47	45	-4	SSW	4	c	*	-	55	42	*	0.04		
	Berlin ...	29.65	47	W	6	b	29.72	+24	48	46	-1	WSW	5	o	*	-	55	45	*	0.08		
SPAN. PEN.	Frankfurt ...	29.99	49	W	2	b	29.96	+19	45	43	-6	SW	3	c	*	-	57	43	*	-		
	Munich ...	30.02	50	W	6	o	30.03	+25	47	44	-1	SW	2	b	*	-	54	41	*	0.12		
	C. Gris Nez ...	30.04	53	WNW	3	o	29.90	-05	55	50	+6	W	5	o	5	-	57	?	*	-		
	Brest ...	30.15	58	NNE	2	b	30.10	+06	58	54	+3	WNW	3	o	2	-	64	48	*	-		
	Lorient ...	30.10	59	NE	3	c	30.12	+11	54	52	-2	NW	3	c	2	-	68	48	*	-		
	Rocheport ...	30.04	64	N	3	c	30.10	+12	54	53	-4	N	1	c	*	-	68	48	*	-		
	Biarritz ...	30.12	64	NW	3	bc	30.15	+13	59	57	-5	SW	3	o	2	-	70	55	*	0.20		
	Paris ...	30.06	53	N	2	b	30.04	+09	44	43	-8	SSW	2	c	*	-	59	39	*	-		
	Belfort ...	29.98	51	W	3	c	30.04	+23	40	39	-11	SW	2	f	*	-	61	35	*	-		
	Lyons ...	30.02	55	N	1	o	30.09	00	50	47	-3	NNW	1	b	*	-	61	46	*	0.04		
Nice ...	29.63	72	NW	1	b	29.78	+07	65	58	-2	Z	0	o	*	-	82	59	*	-			
SPAN. PEN.	Perpignan ...	29.96	67	NW	3	c	30.03	+10	61	55	-3	WNW	3	b	*	-	77	58	*	-		
	Corunna ...	30.11	63	NW	3	b	30.16	+03	55	53	-4	NNW	1	b	3	-	64	50	*	-		
SPAN. PEN.	Lisbon ...	30.12	62	NNW	4	b	30.10	+01	65	60	0	NNW	*	b	*	-	72	61	*	-		
	Azores (P. Delgada) ...	30.03	71	SSE	3	o	30.02	+11	71	70	0	SE	4	bc	3	-	77	70	*	-		

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

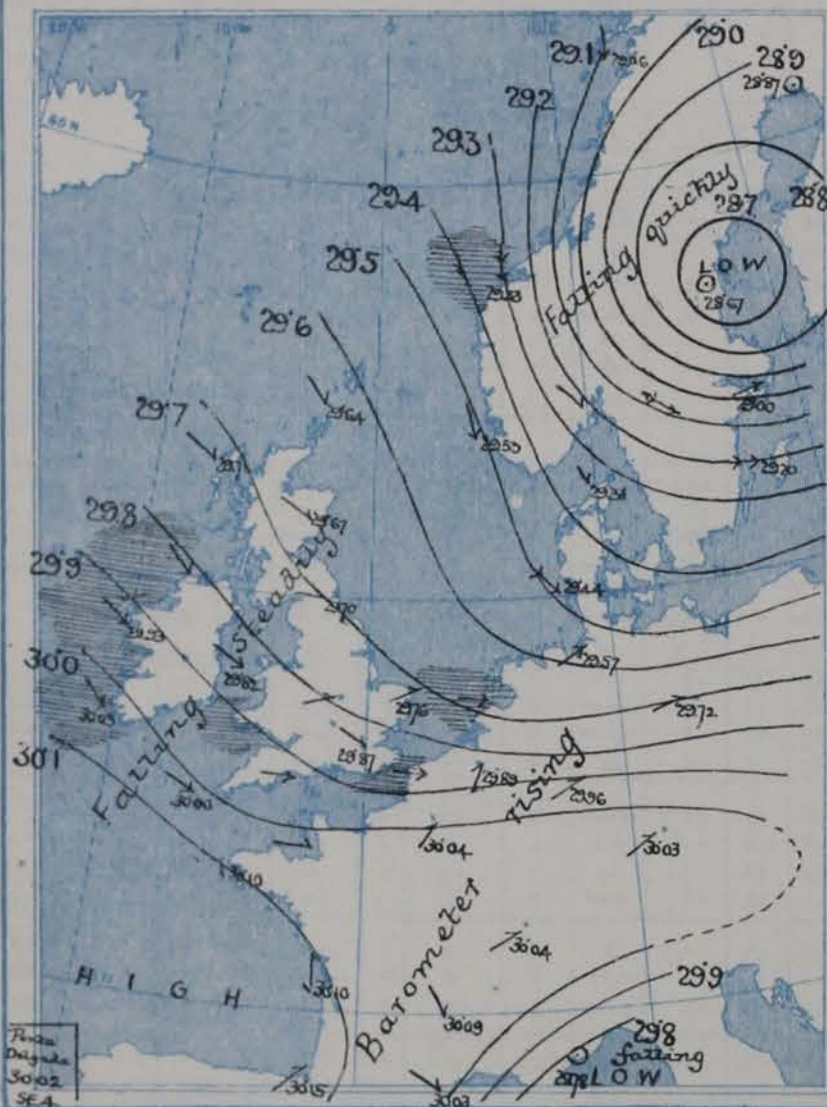
## I. BAROMETER, WIND AND SEA. *This Morning.*

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 

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 SEPTEMBER.

Specimen { Average No. of Hours daily } 3.6  
(for Stornaway) { Total Possible } 12.6



## V. Means of DAILY TEMPERATURE

*at 8 A.M. for the monthly period*

*SEPTEMBER (1871-1900)*





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The barometer is highest, above 30.1 in. over the Bay of Biscay and the Iberian Peninsula, and lowest, 29.7 in. and less in the centre of a deep disturbance near Humber, it is as low as 29.5 in. also in another system over the Gulf of Genoa. The mercury is still falling generally, but has commenced to rise again in the Shetlands, and the fall has slackened in the north generally. Gradients are moderate or slight except over Scandinavia and Denmark.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is NW<sup>2</sup> or W<sup>3</sup> over our Islands and their immediate neighbourhood, and blows strongly at some western and southern stations. Over Northern Europe and to the eastward of the North Sea it circulates around the disturbances noticed above, the N<sup>2</sup> wind in the west of Norway blowing strongly, and the NW<sup>2</sup> wind at Farsø, and that from the W<sup>2</sup> in the south of Sweden having the force of a fresh to strong gale. Temperature has risen very decidedly at most of our own stations, and fallen in most Continental localities. Over our Islands it ranges from 60° at Lillie to 50° at Naun and to 45° in the Shetlands; and on the Continent from 65° at Lisbon and Nice to 48° at Berlin. 44° at Paris, 43° at Bonn, and to 39° at Stockholm. The sky is very cloudy or overcast except at some extreme southern stations, showers are falling in various parts of Ireland and England, and steady rain at Christiania and Stockholm. The sea is rather rough off the coast of Norway, at the Helder, Cape Fin Rey, and on different parts of our western coasts, moderate to smooth elsewhere.

Rain has fallen in most parts of Scandinavia, Germany, the Netherlands, the west and north of the United Kingdom, at Yarmouth, and at one or two French stations. At Haparanda as much as 1.85 in. has been measured. Bright Sunshine was very prevalent over our Islands yesterday, but the maximum temperatures were nearly all below 60°, and on our east coasts not much above 50°.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

For the 24 hours ending at NOON on 15<sup>th</sup> SEPT. 1902

### DISTRICTS.

### FORECASTS.

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

NONE ISSUED

### DISTRICTS.

### FORECASTS.

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

AT

NONE ISSUED.

### WARNINGS

The North Cone was hoisted yesterday in districts 0, 6, and parts of 1 and 9, but the signals were lowered again this morning in districts 0, 1, 6.

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	*	b	55	47	10.5	-
Newton Reigny (Penrith)												*					
Bath ... ..	30.03	55	SW 2	b	29.85	-.25	56	52	+ 11	W 1	b	*	-	60	45	9.7	-

## 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	36	b, c	9.6	-	Worthing up to 6 p.m. ...	*	*	*	11.2	*
Birmingham, 9 p.m. ...	56	37	o	8.5	-	Llandudno ... ..	*	*	*	4.3	*
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	*	*
Hastings ... ..	*	*	*	*	*	Southport, 9 p.m. ...	55	37	c, o	5.4	-
Eastbourne up to 6 p.m. ...	*	*	*	*	*	Manchester, 9 p.m. ...	59	36	o, d	6.1	-
Brighton ... ..	*	*	*	*	*	Darwen, 9 p.m. ...	53	34	ot	7.2	-

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

STATIONS. 13 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 12 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F. at 1 p.m.	WEATHER. 1 p.m.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
Marseilles ... ..	79	59	b, b	Ins.	Geneva ... ..	59	f	-
Utrecht ... ..	55	46	o, c	0.16	Berne ... ..	61	f	0.35
Copenhagen ... ..	55	45	f, o	0.43	Lucerne ... ..	68	o	0.16
Prague ... ..	75	50	o, f	0.08	Lausanne ... ..	?	?	0.39
Vienna ... ..	73	61	o, o	?	Lugano ... ..	72	o	0.35
Buda-Pesth ... ..	81	66	b, c	-	Locarno ... ..	?	?	1.22
St. Petersburg ... ..	55	43	f, o	-				
Rome ... ..	86	74	o, o	0.16				
Malta ... ..	85	76	b	-				
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.

\* 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 <sup>TH</sup> SEPT., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.27	11.49	6.11
Greenwich ... ..	5.35	11.56	6.17
Wick ... ..	5.41	12.8	6.35
Valencia ... ..	6.15	12.37	6.59

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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

15<sup>TH</sup> SEPTEMBER.

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.		Weather.	Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall. Ins.	
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.			
																					Ins.
SCANDINAVIA.	Haparanda	28.92	41	S	4	r	28.97	+10	43	41	-2	SSW	4	0	*	-	46	39	*	0.01	
	Hernösand	29.02	37	W	2	bc	29.12	+15	45	42	+4	SW	2	0	*	-	46	39	*	0.16	
	Stockholm	29.20	47	WNW	6	0	29.43	+13	47	42	+8	WSW	6	6	*	-	48	36	*	0.04	
	Wisby	29.36	52	WNW	9	bc	29.55	+35	50	45	+5	WNW	8	6	*	-	54	41	*	-	
	Karlstad	29.41	46	NW	6	0	29.52	+38	43	38	+1	W	4	bc	*	-	*	*	*	-	
	Färder (X'ania Fjord)	29.42	53	WNW	4	b	29.56	+30	50	42	+6	WNW	5	bc	3	-	55	44	*	-	
	Bodö	28.82	42	Z	0	c	28.93	-12	43	41	0	N	4	r	2	-	43	41	*	1.02	
	Christiansund	29.44	46	NW	3	r	29.48	+15	45	41	+2	W	8	r	5	-	46	43	*	0.28	
	Skudesnaes	29.64	47	NNW	4	c	29.63	+10	45	44	+4	NNW	1	c	1	-	52	41	*	*	
	Sumburgh Head	29.65	46	NW	2	bc	29.41	-23	50	50	+5	SW	2	m	3	b, bc	50	40	*	0.04	
Stornoway	29.70	54	W	4	0	29.43	-28	51	50	+4	WSW	3	r	3	0	54	46	0.6	0.22		
Malin Head	29.82	55	NW	5	bcp	29.64	-13	54	53	+2	SW	6	ogp	5	bc, bcp	56	51	*	0.10		
Blacksod Pt.	29.94	57	WNW	3	0	29.77	-16	55	54	-1	WSW	5	ogp	5	0	58	53	*	0.09		
Valencia...	30.04	58	NW	2	og	29.95	-08	57	55	+2	WSW	3	op	4	0.09	59	54	0.2	0.03		
BRITISH ISLANDS.	Roche's Point	30.01	58	NNW	5	c	29.96	00	56	54	0	WSW	3	bc	2	c	62	54	*	-	
	Parsonstown	29.95	56	W	3	og	29.86	-05	54	52	0	W	4	of	*	og	61	51	2.5	0.02	
	Donaghadee	29.85	56	NW	3	0	29.76	-01	53	51	0	SW	2	og	2	-	59	43	*	-	
	Liverpool Obsy.	29.87	55	WNW	3	0	29.86	+09	55	52	+2	W	3	0	4	0	58	53	*	0.01	
	Holyhead	29.89	57	WNW	3	c	29.87	+05	54	53	0	WSW	3	cp	2	c	59	53	*	0.02	
	Pembroke (St. Ann's)	29.93	58	WNW	5	c	29.94	+04	56	52	+1	W	5	cgq	5	-	60	51	2.7	-	
	Scilly (St. Mary's)...	30.01	60	WNW	5	c	30.04	+04	59	56	-1	WNW	4	0	4	c	62	55	1.0	-	
	Jersey (St. Aubins)...	30.00	61	W	4	og	30.09	+07	58	54	0	WNW	2	ogm	2	op, og	62	56	1.1	0.03	
	Portland Bill	29.93	60	WNW	6	c	30.04	+12	58	53	+2	WNW	4	c	3	c	61	54	*	0.03	
	Dungeness	29.88	61	NW	3	0	30.01	+12	58	56	+3	NW	3	c	1	c, 0	65	53	*	-	
GERMANY, &c.	Wick	29.69	49	SW	1	c	29.44	-25	52	52	+5	SW	2	0	1	-	52	45	*	0.03	
	Nairn	29.72	52	Z	0	c	29.48	-21	55	52	+5	W	2	c	1	-	60	47	*	0.03	
	Aberdeen	29.74	49	S	2	og	29.55	-12	51	50	+2	SW	2	og	2	c, og	53	46	0.8	-	
	Leith	29.72	56	WSW	3	bc	29.64	-06	54	51	+1	SW	3	0	*	-	62	50	*	-	
	North Shields	29.77	52	SSE	2	bc	29.74	+04	55	51	+2	SW	1	om	2	-	55	50	*	-	
	Spurn Head	29.82	55	E	2	c	29.85	+15	55	53	+1	WSW	3	c	3	-	58	53	*	-	
	Yarmouth	29.82	57	N	1	c	29.90	+14	55	52	+4	WSW	3	c	3	c	58	50	*	-	
	Loughborough	29.87	55	W	3	0	29.91	+11	55	52	+3	WSW	3	0	*	d, bc, c, 0	61	52	*	0.01	
	Oxford	29.94	56	W	1	0	29.97	+12	56	53	+3	SW	2	0	*	0	62	53	*	-	
	London (Brixton)	29.87	58	NW	2	0	29.97	+10	56	53	+3	W	1	0	*	op, 0	61	52	0.0	-	
FRANCE.	The Scaw (Skagen)	29.49	52	WNW	2	b	29.64	+33	51	47	+5	WNW	5	bc	1	-	54	46	*	-	
	Fanö	29.73	48	WNW	6	b	29.52	+38	52	46	+6	W	5	c	*	-	54	46	*	-	
	Cuxhaven	29.72	53	NW	3	c	29.90	+33	50	49	+1	SW	2	c	*	-	55	46	*	0.04	
	The Helder	29.79	57	NNW	4	c	29.87	+19	58	53	+3	WSW	3	bc	2	-	58	48	*	0.20	
	Brussels	*	*	*	*	*	30.02	+13	55	54	+8	SW	2	0	*	-	56	47	*	-	
	Berlin	29.78	51	WSW	3	0	29.99	+27	51	50	+3	WSW	2	c	*	-	54	46	*	0.12	
	Frankfurt	29.99	51	SW	4	c	30.08	+12	52	50	+7	SW	2	0	*	-	55	45	*	-	
	Munich	30.05	51	W	4	c	30.17	+14	48	46	+1	SW	2	b	*	-	59	41	*	-	
	C. Gris Nez	29.93	60	W	4	0	30.00	+10	57	56	+2	WSW	3	0	3	-	63	55	*	-	
	Brest	30.08	59	NW	1	0	30.11	+01	59	56	+1	Z	0	0	0	-	63	57	*	-	
SPAN. PEN.	Lorient	30.08	61	WNW	5	0	30.15	+03	59	59	+5	W	1	0	1	-	63	54	*	-	
	Rocheport	30.09	62	WNW	4	bc	30.13	+03	59	58	+5	SW	2	0	*	-	66	50	*	-	
	Biarritz	30.19	65	NW	3	b	30.22	+07	61	57	+2	SSE	2	c	2	-	68	59	*	-	
	Paris	30.00	55	SW	2	0	30.08	+04	54	53	+10	SSW	2	0	*	-	59	54	*	-	
	Belfort	30.01	52	SW	4	c	30.11	+07	49	48	+9	Z	0	m	*	-	59	50	*	-	
	Lyons	30.17	55	N	1	b	30.15	+06	53	48	+3	N	1	b	*	-	63	46	*	-	
	Nice	29.96	63	Z	0	bc	29.95	+17	63	57	-2	E	1	c	1	-	79	61	*	-	
	Perpignan	30.04	66	NW	3	b	30.12	+09	63	56	+1	NW	2	b	*	-	74	57	*	-	
	Coruña	30.10	63	NNW	5	b	30.12	+02	66	60	+1	N	3	b	*	-	75	59	*	-	
	Azores (P. Delgada)	30.05	71	SSE	3	m	30.04	+02	71	70	0	S	4	0	4	-	75	70	*	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 MONDAY, 15<sup>TH</sup> SEPTEMBER, 1902.

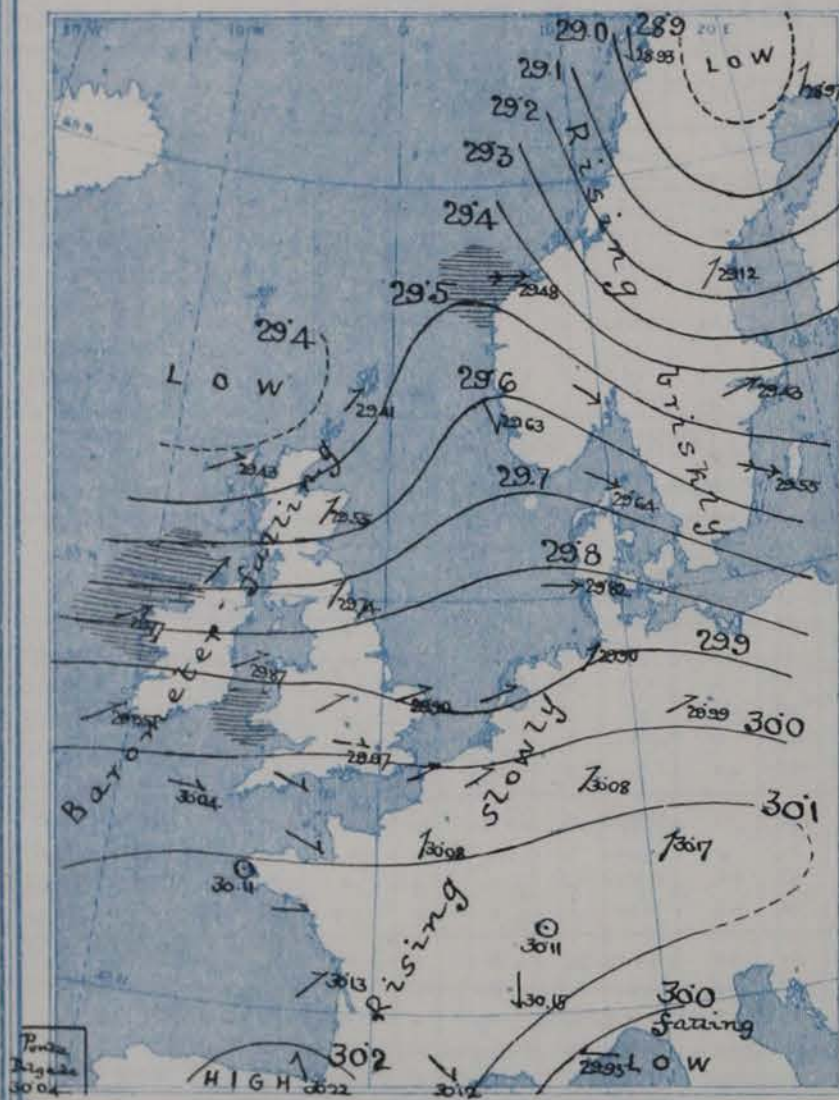
## I. BAROMETER, WIND AND SEA. This Morning.

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

WIND.—Arrows show Direction 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

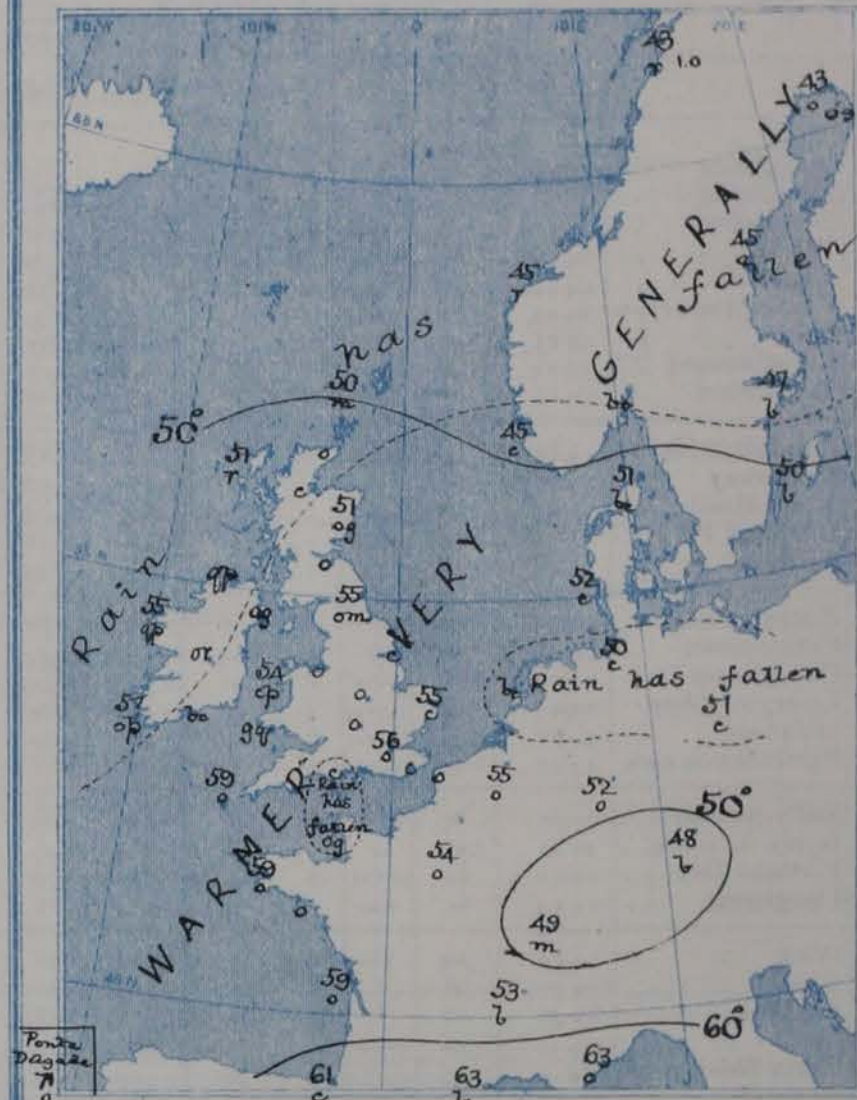


## II. TEMPERATURE AND WEATHER. This Morning.

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 SEPTEMBER.

Specimen (for Stornaway) { Average No. of Hours daily 3.6  
Total Possible 12.6



## V. Means of DAILY TEMPERATURE

at 8 A. M. for the monthly period

SEPTEMBER (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The barometer is highest, 30.2 in. and upwards, in the south-west of France, but is high 30.1 in. and upwards, in an anticyclone covering the greater part of that country and South Germany. The lowest readings, 28.9 in. and less, are found in a deep cyclonic system having its centre over the north of Scandinavia, but readings are also low, 29.4 in. and less in another area which is approaching the north of Scotland. The latter disturbance is occasioning a brisk fall of the barometer in Scotland, and a less decided fall on our western coasts, but in all other parts of Western Europe the mercury is at present rising.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is S.W.<sup>3</sup> or W.<sup>3</sup> over the United Kingdom, France, Germany and the Netherlands light in force generally, but fresh or strong on some of the more exposed parts of our own western coasts. Over Denmark and the southern half of Scandinavia it is fresh to strong from the W.<sup>4</sup> or N.W.<sup>4</sup>, with a gale at Christiansund and Wisby; at Haparanda it is moderate from the S.<sup>4</sup>, and at Bodo from the N.<sup>4</sup>. Temperature has risen generally, and in our islands the readings are now slightly above the average, the thermometer ranging from between 56° and 59° at our southern stations to 52° at Wick and Newton Reigny (Pleath), 51° at Stornoway and 50° at Lumburgh Head. Over Germany and Central France the readings are still below the normal, the lowest reported being 48° at Munich, 49° at Belfort and 50° at Cuahaven. The weather is cloudy or overcast over Western Europe generally, with rain in the Hebrides and the west of Norway and with passing showers at several of our western stations. Over Holland, Denmark and the south of Scandinavia, however, the weather is at present fine. The sea is rather rough on some of the more exposed parts of our western coasts, and also at Christiansund, but is slight or smooth elsewhere.

The temperatures recorded over our islands yesterday were higher than those of the three preceding days, the thermometer rising to a little above 60° in many places and to 65° at Dungeness. The amount of bright sunshine was, however, small, the longest duration reported being 2.7 hr. at Pembroke. Showers fell in many parts of the United Kingdom, and heavy rain in the north of Scandinavia.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance which is approaching the north of Scotland is likely to occasion a considerable increase of wind from south-west and west on our northern coasts generally. Cloudy, showery weather will probably continue to prevail over the whole of the United Kingdom.

## FORECASTS \*

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S.W. <sup>3</sup> to W. <sup>3</sup> winds, increasing in force; dull, unsettled, some rain.	6 { SCOTLAND WEST	Same as Nos. 0 and 1.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.	Same as No. 5.	8 { ENGLAND S.W.	W. <sup>3</sup> winds, freshening; cloudy, showery.
3 { ENGLAND EAST		9 { IRELAND NORTH	Same as Nos. 0 and 1.
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	Same as No. 8.
5 { ENGLAND SOUTH	S.W. <sup>3</sup> and W. <sup>3</sup> winds, freshening; cloudy, some showers.	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.		Sunshine.	Rainfall.
	Ins.	°			Ins. Change.	Dry.	Wet.	Change.					Max.	Min.	Hrs.	Ins.
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	c	*	o.c	60	52	0.8	-
Newton Reigny (Penrith)	29.77	54	W 1	o	29.74	52	49		20	o	*	-	58	50	0.5	0.01
Bath ... ..	29.91	56	W 2	b	29.99	57	52	+1	SW 2	o	*	-	62	54	0.8	-

## 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. ...	59	48	o.c	0.6	0.02	Worthing up to 6 p.m. ...	*	*	*	?	*
Birmingham, 9 p.m. ...	61	46	o	1.0	0.01	Llandudno ... ..	*	*	*	1.5	*
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	2.2	*
Hastings up to 6 p.m. ...	*	*	*	0.8	*	Southport, 9 p.m. ...	58	52	o, r, o	2.0	0.13
Eastbourne up to 6 p.m. ...	*	*	*	1.3	*	Manchester, 9 p.m. ...	64	48	o	1.5	0.08
Brighton up to 6 p.m. ...	*	*	*	1.5	*	Darwen, 9 p.m. ...	56	47	sw	2.0	0.18

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

STATIONS. 14 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 13 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F. at 1 p.m.		WEATHER.	RAIN. (measured at 7 a.m.)
	Max.	Min.				°	°		
Marseilles ... ..	INFORMATION		NOT RECEIVED.	Ins.	Geneva ... ..	59		o	0.95
Utrecht ... ..					Berne ... ..	52		o	0.51
Copenhagen ... ..					Lucerne ... ..	50		†	0.32
Prague ... ..					Lausanne ... ..	?		?	0.51
Vienna ... ..					Lugano ... ..	73		b	0.28
Buda-Pesth ... ..					Locarno ... ..	?		?	?
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.

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.	15 <sup>TH</sup> SEPT. 1909.			
							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.		h. m.	h. m.	h. m.	
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.		8 p.m. (M.E.T.)	7 p.m.		5.28	11.48	6.9	
France ... ..	7 a.m. (Paris)	6.51 a.m.		6 p.m. (Paris)	5.51 p.m.		5.36	11.55	6.15	
Spain ... ..	9 a.m. (San Fernando)	9.25 a.m.		6 p.m. (San Fernando)	6.25 p.m.		5.43	12.7	6.32	
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.					6.16	12.36	6.57	
Yarmouth ... ..										
Greenwich ... ..										
Wick ... ..										
Valencia ... ..										

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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 16<sup>th</sup> SEPTEMBER

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 ...	29.16	42	SE	2	0	29.35	+38	43	41	0	N	2	6	*	-	45	41	*	0.47	
	Hernösand ...	29.33	45	W	2	0	29.42	+30	43	41	-2	Z	0	0	*	-	48	34	*	-	
	Stockholm ...	29.58	48	SW	2	0	29.50	+07	51	51	+4	SW	4	7	*	-	54	43	*	0.08	
	Wisby ...	29.73	52	WSW	6	0	29.63	+08	54	51	+4	S	4	7	*	-	55	45	*	-	
	Karlstad ...	29.56	51	SSW	6	0	29.40	-12	52	51	+9	SSW	4	7	*	-	54	48	*	0.16	
	Färder (X'ania Fjord) ...	29.52	53	SW	5	+	29.33	-23	54	53	+4	SW	4	0	3	-	54	48	*	0.08	
	Bodö ...	29.26	42	Z	0	0	29.42	+49	40	39	-3	E	2	6	1	-	48	39	*	-	
	Christiansund ...	29.45	44	ENE	1	0	29.34	-14	44	41	-1	E	2	0	3	-	46	41	*	-	
	Skudesnaes ...	29.43	53	SSW	6	0	29.26	-27	46	45	+1	Z	0	6	3	7.0	54	45	*	-	
	Sumburgh Head ...	29.23	49	W	4	0	29.22	-19	49	47	-1	SW	1	6	3	53	44	*	0.25		
BRITISH ISLANDS.	Stornoway ...	29.38	54	W	3	0	29.37	-06	47	45	-4	NW	3	6	3	58	44	58	0.32		
	Malin Head ...	29.62	55	WSW	7	cq/p	29.43	-21	52	50	-2	W	6	6	6	57	48	*	0.20		
	Blacksod Pt. ...	29.66	65	WNW	6	0	29.68	-09	55	53	0	WNW	6	6	5	59	52	*	0.41		
	Valencia ...	29.86	58	WSW	5	0	29.85	-10	58	52	+1	WNW	6	6	6	60	55	2.6	0.09		
	Roche's Point ...	29.85	59	WNW	4	0	29.83	-13	56	53	0	W	4	6	3	62	54	*	-		
	Parsonstown ...	29.74	55	WSW	5	0	29.71	-15	54	51	0	W	5	6	3	59	50	0.6	0.18		
	Donaghadee ...	29.61	53	W	2	cq/p	29.49	-27	52	50	-1	W	3	6	3	58	48	*	0.13		
	Liverpool Obsy. ...	29.72	56	WSW	4	0	29.58	-28	55	50	0	W	6	6	6	60	53	*	0.01		
	Holyhead ...	29.73	58	SW	5	dm	29.63	-24	56	52	+2	W	6	6	5	58	52	*	0.02		
	Pembroke (St. Ann's) ...	29.83	57	W	7	0	29.75	-19	57	53	-1	W	7	6	6	61	54	1.7	0.06		
GERMANY, &c.	Scilly (St. Mary's) ...	29.99	59	WNW	6	0	29.90	-14	58	56	-1	WNW	5	6	4	61	55	2.9	0.02		
	Jersey (St. Aubins) ...	30.07	62	WSW	4	0	29.95	-14	60	56	+2	WSW	6	6	5	62	56	0.0	0.09		
	Portland Bill ...	29.96	59	SW	6	0	29.82	-22	58	57	0	W	7	6	5	61	57	*	-		
	Dungeness ...	29.94	60	WNW	6	0	29.77	-24	58	58	0	W	6	6	3	66	56	*	0.45		
	Wick ...	29.35	49	NW	4	0	29.27	-17	44	42	-8	N	2	6	1	58	43	*	0.30		
	Nairn ...	29.40	50	W	1	0	29.30	-18	50	48	-5	W	1	6	1	58	44	*	0.13		
	Aberdeen ...	29.43	53	WSW	2	0	29.30	-25	50	47	-1	SW	2	6	1	59	44	3.2	0.06		
	Leith ...	29.49	54	WSW	3	0	29.36	-29	51	49	-3	SW	3	6	1	58	49	*	0.02		
	North Shields ...	29.59	59	SW	3	0	29.44	-30	51	48	-4	SW	2	6	2	61	49	*	0.10		
	Spurn Head ...	29.74	59	SW	5	0	29.58	-27	54	52	-1	WSW	5	6	3	62	52	*	0.05		
FRANCE.	Yarmouth ...	29.84	59	SW	3	0	29.64	-26	56	54	+1	WSW	5	6	4	60	52	*	0.01		
	Loughborough ...	29.81	58	SW	4	0	29.65	-26	54	51	-1	WSW	5	6	4	60	52	*	0.05		
	Oxford ...	29.86	57	SW	5	0	29.73	-24	57	54	+1	SW	3	6	4	60	54	*	0.01		
	London (Brixton) ...	29.90	59	WSW	2	0	29.73	-24	57	55	+1	W	4	6	4	62	55	0.1	-		
	The Scaw (Skagen) ...	29.59	52	SW	2	+	29.39	-25	53	53	+2	SW	3	6	1	55	50	*	0.20		
	Fanö ...	29.71	55	SSW	5	0	29.48	-34	54	53	+2	WSW	4	6	1	56	52	*	0.28		
	Cuxhaven ...	29.88	56	SW	4	0	29.65	-25	55	53	+5	SW	5	6	1	59	50	*	-		
	The Helder ...	29.83	56	WSW	5	0	29.61	-26	57	56	-1	WSW	5	6	4	61	56	*	0.04		
	Brussels ...	30.01	56	SSW	1	0	29.86	-16	55	53	0	SW	6	6	1	64	53	*	-		
	Berlin ...	30.01	56	SSW	1	0	29.89	-10	56	53	+5	SSW	2	6	1	61	51	*	-		
SPAN. PEN.	Frankfurt ...	30.08	57	SW	2	0	30.00	-08	55	53	+3	SW	2	6	1	64	52	*	-		
	Munich ...	30.19	53	SW	2	0	30.15	-02	54	51	+6	W	4	6	1	54	48	*	-		
	C. Gris Nez ...	29.97	58	WSW	6	0	29.83	-17	59	57	+2	WSW	8	6	7	63	55	*	-		
	Brest ...	30.11	58	WNW	2	0	30.03	-08	57	55	-2	WNW	4	6	3	64	57	*	0.04		
	Lorient ...	30.12	62	W	3	0	30.06	-09	61	56	+2	W	6	6	14	70	55	*	-		
	Rochefort ...	30.14	63	W	2	0	30.11	-02	64	59	+5	WSW	4	6	1	70	59	*	-		
	Biarritz ...	30.19	66	N	2	0	30.19	-03	57	55	-4	S	1	6	0	70	55	*	-		
	Paris ...	30.10	59	SW	2	0	30.02	-06	57	54	+3	SW	3	6	1	64	54	*	-		
	Belfort ...	30.10	55	WSW	2	0	30.10	-01	52	49	+3	WSW	5	6	1	63	49	*	-		
	Lyons ...	30.19	55	NW	1	0	30.20	+05	56	52	+2	E	1	6	1	68	51	*	-		

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

\* Observations for this column not generally received.

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



# WEATHER CHARTS

FOR *Tuesday, 16<sup>th</sup> September, 1902.*

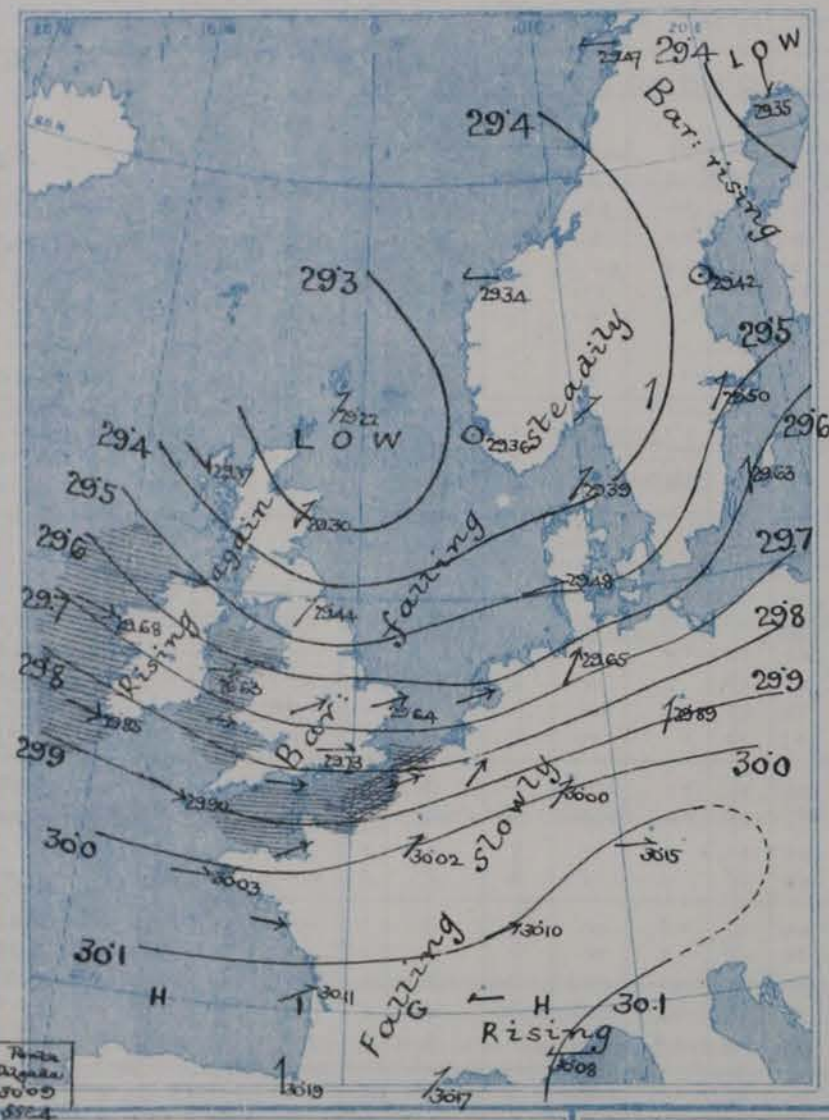
## I. BAROMETER, WIND AND SEA. *This Morning.*

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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The cyclonic disturbance which was approaching our northern coasts yesterday has moved eastwards and has at the same time spread southwards over the greater part of North-western Europe. The centre of the system is now lying near the Shetlands, the minimum readings of the barometer being apparently as low as 29.2 ins. or possibly rather lower. On our extreme west and north-west coasts a recovery of pressure has set in in the rear of the disturbance, but in most other parts of our area the mercury is falling; the highest reading, 30.1 ins. and upwards, are at present reported over the southern parts of France and Germany.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is fresh to strong from the W<sup>d</sup> over Ireland and England, but light or moderate from the S.W<sup>d</sup> on the north-east coasts of Great Britain and over the western parts of the Continent generally. In the north of Scotland it is light from the N<sup>d</sup> or N.W<sup>d</sup> while in the west of Norway it is E<sup>ty</sup>. Temperature has again fallen below the normal in the northern parts of the United Kingdom, the thermometer in those regions being very little above 50° at any station, in the north of Scotland the readings are below 50°, the lowest reported being 44° at Wick. In our southern districts the readings range between 56° and 60°, and differ but little from the average. At most of the Continental stations the thermometer has risen, but is still below the normal. The weather is in a very changeable, showery state over Ireland and England, but is temporarily fine in the north of Scotland. In the western and northern parts of the Continent the sky is as a rule very cloudy, with rain in the north of Denmark and the south of Sweden; fine weather is, however, reported in the north of Scandinavia and the extreme south of France. The sea is rough or rather so on all our western and southern coasts.

The maximum temperatures registered yesterday were below 60° in most of our northern districts and very little above it at any of our southern stations excepting Dungeness, where the thermometer reached 66°. The amount of bright sunshine was generally small, the longest duration reported being 5.8 hours at Stromsøy and Rhyb. Rain fell over nearly the whole of North-western Europe, rather heavily at Blackhead Point and Dungeness.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance in the north will probably travel eastwards across the North Sea. Secondary systems are, however, likely to be developed in its rear, and a continuance of changeable showery weather is therefore anticipated, with strong winds from the W. or N.W. on many parts of our coasts.

## FORECASTS \*

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	N.W. <sup>ty</sup> winds, freshening; cool, changeable, some showers.	6 { SCOTLAND WEST	W <sup>d</sup> and N.W. <sup>d</sup> winds, strong; squally, showery.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.	W <sup>d</sup> winds, strong in places; some showers, with bright intervals.	8 { ENGLAND S.W.	
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- shining Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max. °	Min. °		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	c	*	o, c	62	56	1.1	-
Newton Reigny (Penrith) ...	29.59	54	SW 4	o	29.47	-.27	50	48	-.2	W 4	o, q	*	c, o, q	57	47	1.0	0.29
Bath ... ..	29.91	60	SW 3	o	29.75	-.24	56	52	-.1	W 4	bc	+	-	62	54	0.0	0.38

## 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. ...	59	50	c, f	0.2	0.01	Worthing ... ..	*	*	*	0.5	*
Birmingham, 9 p.m. ...	60	52	o	0.5	-	Llandudno ... ..	*	*	*	2.3	*
Lowestoft, up to 6 p.m. ...	61	50	o	0.6	-	Rhyl up to 6 p.m. ...	*	*	*	5.8	*
Hastings ... ..	*	*	*	1.1	*	Southport, 9 p.m. ...	60	54	o, q	0.6	0.05
Eastbourne up to 6 p.m. ...	*	*	*	0.5	*	Manchester, 9 p.m. ...	64	53	o, d	0.6	-
Brighton ... ..	*	*	*	0.6	*	Darwen, 9 p.m. ...	56	49	o, f	0.1	0.20

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

STATIONS. 15 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 14 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F. at 1 p.m.		WEATHER.	RAIN. (measured at 7 a.m.)
	Max.	Min.				°	°		
Marseilles ... ..	70	50	b, b	Ins.	Geneva ... ..	Information not received.		Ins.	Ins.
Utrecht ... ..	57	43	o, o	0.04	Berne ... ..				
Copenhagen ... ..	54	43	bc, bc	0.16	Lucerne ... ..				
Prague ... ..	59	48	o, o	-	Lausanne ... ..				
Vienna ... ..	63	48	b, o	-	Lugano ... ..				
Buda-Pesth ... ..	66	50	bc, c	-	Locarno ... ..				
St. Petersburg ... ..	54	43	bc, bc	0.08					
Rome ... ..	81	66	o, b	-					
Malta ... ..	83	80	o	-					
Madeira (Funchal) ... ..	68	50	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 <sup>TH</sup> SEPT 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth ... ..	5.30	11.48	6.6
Greenwich ... ..	5.38	11.55	6.12
Wick ... ..	5.45	12.7	6.29
Valencia ... ..	6.18	12.36	6.54

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

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

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

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

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

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



# DAILY WEATHER REPORT

for 8 a.m. on

WEDNESDAY 17<sup>TH</sup> SEPTEMBER.

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 92° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	At 92° 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.	°	°	Ins.	Ins.	°	°	°	°								
SCANDINAVIA.	Haparanda ...	29.68	41	Z	0	b	29.71	+36	37	36	-6	NE	4	0	*	-	48	37	*	0.04	
	Hernösand ...	29.48	47	NE	4	o	29.38	-0.4	45	44	+2	NE	8	+	*	-	52	41	*	0.67	
	Stockholm ...	29.38	52	S	4	o	29.40	-1.0	50	49	-1	SW	2	c	*	-	55	46	*	0.12	
	Wisby ...	29.49	50	SSW	4	f	29.45	-1.8	52	50	-2	WSW	2	bc	*	-	57	48	*	0.08	
	Karlstad ...	29.31	50	SW	2	bc	29.32	-0.8	48	48	-4	SW	2	o	*	-	*	*	*	0.16	
	Færder (X'ianla Fjord)	29.30	53	NNW	2	o	29.33	0.0	48	43	-6	NNE	4	c	3	-	55	46	*	0.28	
	Bodö ...	29.59	43	Z	0	b	29.68	+2.6	42	38	+2	E	4	b	1	-	46	39	*	-	
	Christiansund ...	29.41	47	E	1	c	29.49	+1.5	46	43	+2	E	1	o	1	-	50	43	*	-	
	Skudesnaes ...	29.36	49	NNW	4	c	29.44	+0.8	48	46	+2	NNW	2	c	3	b, c	54	45	*	*	
	Sumburgh Head ...	29.35	47	N	1	b	29.58	+3.6	48	46	-1	N	3	b	3	b	52	44	*	0.04	
BRITISH ISLANDS.	Stornoway ...	29.58	49	NNW	5	bc	29.82	+4.5	46	45	-1	NW	5	rq	5	g, o, bc	54	44	7.4	0.12	
	Malin Head ...	29.69	53	NW	7	bc, cp	29.90	+4.7	51	47	-1	NNW	7	bc, cp	6	bc, bc, cp	55	46	*	0.14	
	Blacksod Pt. ...	29.87	54	NNW	4	b	30.08	+4.0	54	48	-1	NNW	4	b	3	g, bc, b	59	49	*	0.04	
	Valencia ...	29.95	58	NW	4	c	30.12	+2.7	54	52	-4	N	1	c	4	bc, c	60	51	6.6	0.03	
	Roche's Point ...	29.90	58	NW	4	bc, p	30.08	+2.5	53	51	-3	NW	3	b	2	bc, bc, p	62	50	*	0.01	
	Parsonstown ...	29.84	54	W	4	bc	30.05	+3.4	49	46	-5	NW	2	b	*	bc, p	61	41	8.3	0.04	
	Donaghadee ...	29.69	52	NNW	5	c	29.92	+4.3	48	46	-4	N	4	bc, p	3	-	59	44	*	0.03	
	Liverpool Obsy. ...	29.68	55	WNW	6	c	29.88	+3.0	51	47	-4	WNW	6	c	6	c, p	60	50	*	0.04	
	Holyhead ...	29.73	56	WNW	5	c	29.94	+3.1	51	48	-5	NW	7	c, p	5	b, c	59	48	*	-	
	Pembroke (St. Ann's)	29.81	58	WNW	6	bc	29.99	+2.4	53	49	-4	NW	6	bc, p	5	-	61	48	8.6	-	
GERMANY, &c.	Scilly (St. Mary's) ...	29.93	60	W	5	c	30.04	+1.4	59	56	+1	NNW	3	c	3	c	63	55	7.9	0.01	
	Jersey (St. Aubins) ...	29.95	61	WSW	7	cp, p	30.02	+0.7	60	56	0	WNW	3	bc	3	cp, p	65	56	4.2	0.06	
	Portland Bill ...	29.83	60	NNW	7	c	29.98	+1.6	55	52	-3	NW	6	bc	5	c	61	53	*	-	
	Dungeness ...	29.79	59	W	4	bc	29.91	+1.4	56	53	-2	WNW	5	b	3	c, bc	64	46	*	0.05	
	Wick ...	29.35	48	N	4	f	29.68	+4.1	47	46	+3	N	3	c	2	-	53	42	*	0.30	
	Nairn ...	29.50	49	NW	1	c	29.75	+4.5	50	47	0	W	1	bc	1	-	54	46	*	0.06	
	Aberdeen ...	29.46	47	WNW	3	c	29.68	+3.8	48	46	-2	WNW	4	bc, p	3	cp, c, p	56	45	3.1	0.12	
	Leith ...	29.51	55	W	2	bc	29.66	+3.1	52	47	+1	W	2	c	*	-	64	45	*	-	
	North Shields ...	29.49	55	W	2	c	29.75	+3.1	50	46	-1	W	3	bc	2	c, p	60	44	*	0.05	
	Spurn Head ...	29.55	56	W	7	bc	29.73	+1.5	50	48	-4	W	6	bc, p	4	-	62	49	*	-	
FRANCE.	Yarmouth ...	29.61	58	W	5	c	29.76	+1.2	52	48	-4	WNW	5	bc	3	c	63	46	*	-	
	Loughborough ...	29.67	56	W	4	cp	29.87	+2.2	49	47	-5	WNW	3	bp	*	bc, cp	63	47	*	0.10	
	Oxford ...	29.79	53	SW	2	b	29.93	+2.0	50	48	-7	W	3	b	*	b	63	46	*	-	
	London (Brixton) ...	29.73	57	W	4	b	29.90	+1.7	51	48	-6	NNW	3	bc	*	cp, b	66	45	4.4	0.04	
	The Scaw (Skagen) ...	29.35	50	SW	2	c	29.36	-0.3	48	48	-5	WSW	1	c	0	-	55	46	*	0.04	
	Fanö ...	29.44	53	SW	4	c	29.50	+0.2	50	48	-4	W	4	+	*	c, p	57	50	*	0.12	
	Cuxhaven ...	29.56	55	WSW	4	o	29.62	-0.3	51	49	-4	SW	4	rq	*	-	57	50	*	0.55	
	The Helder ...	29.58	58	W	5	bc	29.69	+0.8	56	50	-1	WNW	6	bc	5	-	63	52	*	0.28	
	Brussels ...	*	*	*	*	*	29.88	+0.2	53	51	-2	SW	4	o	*	-	59	49	*	0.08	
	Berlin ...	29.73	58	SW	4	o	29.73	-1.6	55	51	-1	SW	4	bc	*	-	64	50	*	-	
SPAN. PEN.	Frankfurt ...	29.86	58	SW	4	+	29.91	-0.9	63	51	-2	SW	2	o	*	-	61	52	*	0.06	
	Munich ...	30.08	54	SW	3	bc	30.06	-0.9	56	51	+2	W	5	c	*	-	63	52	*	-	
	C. Gris Nez ...	29.76	60	WSW	7	o	29.91	+0.8	54	51	-5	W	5	b	5	-	63	52	*	0.75	
	Brest ...	30.04	62	NW	3	c	30.09	+0.6	58	55	+1	NW	1	c	2	-	64	55	*	-	
	Lorient ...	30.05	63	NNW	5	c	30.06	0.0	59	59	-2	NNW	3	c	3	-	66	57	*	-	
	Rocheport ...	30.09	64	NW	4	o	30.09	-0.2	63	60	-1	WSW	3	c	*	o	68	59	*	-	
	Biarritz ...	30.19	67	Z	0	bc	30.20	+0.1	63	61	+6	E	1	o	1	-	70	57	*	-	
	Paris ...	29.95	57	SW	3	o	30.02	0.0	53	52	-4	SW	2	b	*	-	65	50	*	0.04	
	Belfort ...	30.00	57	SW	7	o	30.02	-0.8	54	51	+2	WSW	6	o	*	-	59	52	*	-	
	Lyons ...	30.12	62	NE	1	o	30.16	-0.4	56	49	+1	WNW	1	c	*	-	72	53	*	-	
SPAN. PEN.	Nice ...	30.04	62	W	1	b	30.03	-0.5	59	55	-4	E	2	b	1	-	73	54	*	-	
	Perpignan ...	30.10	63	Z	0	b	30.15	-0.2	61	58	+5	SW	1	c	*	-	77	53	*	-	
SPAN. PEN.	Corunna ...	30.06	62	N	5	b	30.05	-0.7	69	61	-4	N	3	bc	*	-	81	61	*	-	
	Lisbon ...	30.03	70	S	4	o	29.95	-1.4	68	67	-2	WSW	3	m	4	-	73	68	*	1.10	

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, 17<sup>th</sup> SEPTEMBER, 1902.

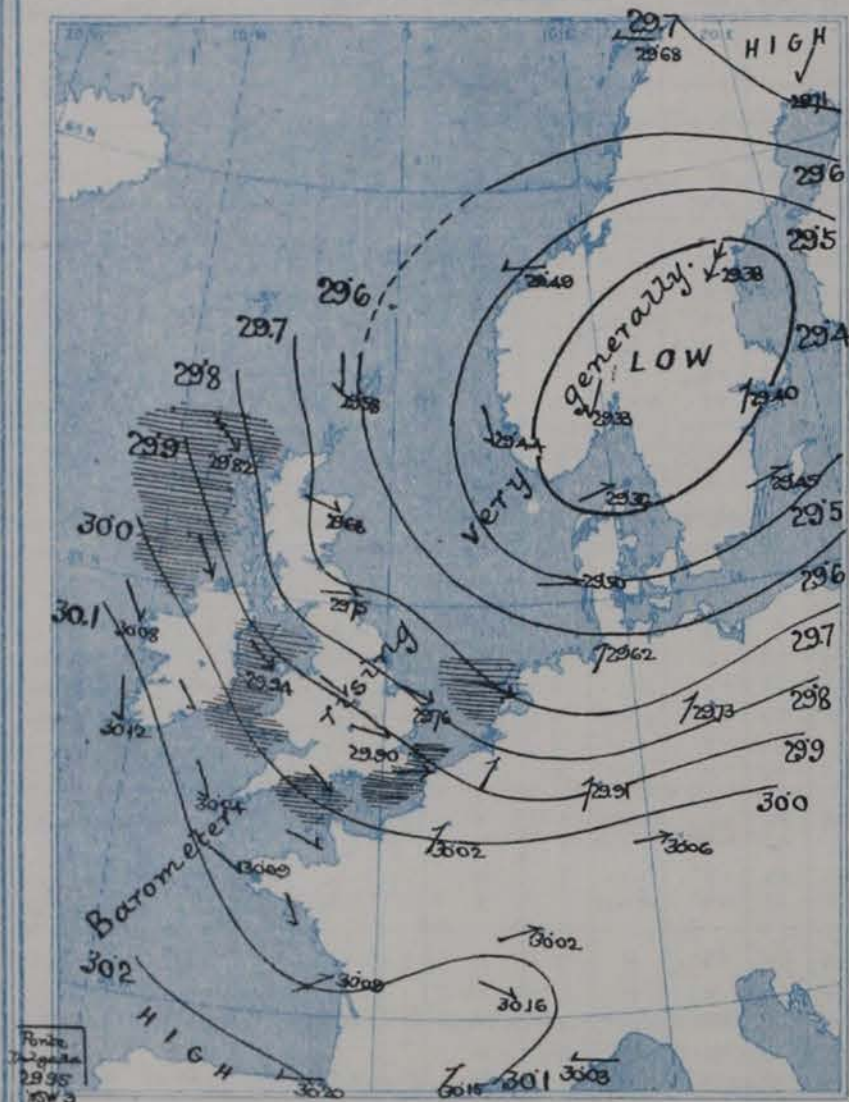
## I. BAROMETER, WIND AND SEA. This Morning.

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

WIND.—Arrows show Direction 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:—(v)



## III. BAROMETER AND WIND

Yesterday morning.



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



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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The cyclonic disturbance noticed yesterday off our northern coasts has travelled eastwards, its central area being now found over the southern parts of Scandinavia, where the readings of the barometer are below 29.4 in. The system is, however, dissipating, and the mercury is rising over Western Europe generally, the highest readings, 30.1 in. and upwards, being found in a large anticyclonic area extending from the Atlantic over the south-west of Ireland, the Bay of Biscay and the south-west of France.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is W<sup>ts</sup> or N.W<sup>ts</sup> over the United Kingdom and the neighbouring parts of the Continent, and blows strongly on all the more exposed parts of the English and Irish coasts. Over central France, Germany, Denmark and the south of Sweden it is light from the S.W.<sup>d</sup>, while in all the more northern parts of Scandinavia it is E<sup>ts</sup> or N.E<sup>ts</sup> with a gale at Helsingfors. Temperature has fallen in most places and is again below the average over Western Europe generally. In our Islands the morning readings are below 55° at all but the English Channel stations, and slightly below 50° in many parts of our northern and central districts, the lowest reported being 46° at Stornoway. Readings below 55° are reported also over a considerable portion of Germany and central France, but in the south-west of France the thermometer is slightly above 60°. The weather is fine over the greater part of our Islands and France, but rain is falling at Stornoway and passing showers at Doughty and On Scandinavia, Denmark and Germany the sky is cloudy or overcast, with rain at Helsingfors, Åbo and Cushing. The sea is rough or rather so on our western and southern coasts, but moderate or slight elsewhere. During yesterday the thermometer rose to 60° or slightly above it over the United Kingdom as a whole and to 66° in London; in the north of Scotland it did not reach 55°. The amount of bright sunshine was somewhat small as a rule, but was large at some of our western and northern stations. Showers were experienced over our Islands generally, and considerable falls of rain occurred in some parts of Sweden, Germany and the north-east of France.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is rising generally, but small secondary depressions are reported over our northern districts, and as they move southwards, these systems will probably occasion showers in most parts of Great Britain. Fresh disturbances are likely to appear off our north and north-west coasts shortly.

## FORECASTS \*

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

DISTRICTS.		FORECASTS.		
0	{ SCOTLAND NORTH	6	{ SCOTLAND WEST	N.W <sup>ts</sup> winds, strong to moderate; squally, some showers.
1	{ SCOTLAND EAST			
2	{ ENGLAND N.E.	8	{ ENGLAND S.W.	N.W <sup>ts</sup> winds, light or moderate; fair generally.
3	{ ENGLAND EAST	9	{ IRELAND NORTH	{ NW <sup>ts</sup> winds, backing later; fair at first, but afterwards becoming cloudy and unsettled again.
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 isolated 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 isolated 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, bc	64	47	5.6	0.03
Newton Reigny (Penrith)	29.58	50	N 4	c	29.79	+ 32	47	45	- 3	NW 3	o	*	cp, b, o	55	44	6.0	0.15
Bath ... ..	29.78	57	N 5	b	29.96	+ 19	53	50	- 3	W 1	b	*	-	63	45	6.0	0.14

## 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. ...	59	49	b	10.8	0.09	Worthing ... ..	*	*	*	5.8	*
Birmingham, 9 p.m. ...	60	51	b	7.0	0.04	Llandudno ... ..	*	*	*	6.5	*
Lowestoft, up to 6 p.m. ...	63	52	b	5.7	0.16	Rhyl up to 6 p.m. ...	*	*	*	8.3	*
Hastings ... ..	*	*	*	5.9	*	Southport, 9 p.m. ...	60	54	cq	7.4	0.05
Eastbourne up to 6 p.m. ...	*	*	*	4.5	*	Manchester, 9 p.m. ...	64	51	c, b	3.7	0.24
Brighton ... ..	*	*	*	5.5	*	Darwen, 9 p.m. ...	55	47	cw	4.3	0.48

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

STATIONS. 16 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 15 <sup>TH</sup> SEPTEMBER	TEMPERATURE, F. at 1 p.m.	WEATHER. 1 p.m.	RAIN. (measured at 7 a.m.)
	Max.	Min.						
Marseilles ... ..	72	46	c, b	Ins.	Geneva ... ..	61	b	Ins.
Utrecht ... ..	61	52	o, o	-	Berne ... ..	59	c	-
Copenhagen ... ..	57	48	o, o	-	Lucerne ... ..	63	c	-
Prague ... ..	64	52	o, o	-	Lausanne ... ..	?	?	-
Vienna ... ..	63	46	c, c	-	Lugano ... ..	72	b	0.08
Buda-Pesth ... ..	64	57	o, o	-	Locarno ... ..	?	?	-
St. Petersburg ... ..	75.4	43	bc, o	0.04				
Rome ... ..	79	60	b, c	-				
Malta ... ..	84	77	o	-				
Madeira (Funchal) ... ..	77	61	bc, bc	-				

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

	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, MOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

17 <sup>TH</sup> SEPT. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.31	11.48	6.4
Greenwich ... ..	5.39	11.55	6.10
Wick ... ..	5.47	12.7	6.26
Valencia ... ..	6.19	12.36	6.52

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 18<sup>TH</sup> SEPTEMBER 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.
SCANDINAVIA.	Haparanda ...	29.47	41	NE	4	r	29.38	-33	45	44	+8	S	2	0	*	-	45	34	*	0.47	
	Hernösand ...	29.42	45	Z	0	0	29.49	+11	41	40	-4	SE	2	0	*	-	46	41	*	0.12	
	Stockholm ...	29.47	49	Z	0	c	29.45	+05	44	43	-6	W	2	0	*	-	57	44	*	0.04	
	Wisby ...	29.45	51	SW	4	b	29.57	+12	48	45	-4	W	4	c	*	-	61	45	*	-	
	Karlstad... ..	29.47	45	WNW	2	0	29.61	+29	42	39	-6	WNW	2	b	*	-	*	*	*	-	
	Færder (X'ania Fjord)	29.50	51	W	1	b	29.65	+32	49	41	+1	ENE	4	0	2	-	52	46	*	-	
	Bodö ...	29.67	40	E	2	b	29.64	-04	41	37	-1	N	4	c	2	-	48	34	*	-	
Christiansund ...	29.62	48	ENE	2	bc	29.75	+26	45	42	-1	NNE	4	c	2	-	48	43	*	-		
Skudesnaes ...	29.60	49	NNW	4	r	29.75	+31	48	45	0	NNW	8	c	4	b, r	54	46	*	-		
BRITISH ISLANDS.	Sumburgh Head	29.76	46	N	3	c	29.97	+39	44	41	-4	N	4	bc	4	bc, c	52	42	*	0.05	
	Stornoway ...	30.00	47	NNW	5	b	30.12	+30	42	42	-4	NNW	3	c	3	ng, b	54	41	7.0	0.12	
	Malin Head ...	30.08	52	NW	7	bc, bp	30.16	+26	51	50	0	S	5	bc, bp	4	bc, bc, bp	53	48	*	0.09	
	Blacksod Pt. ...	30.18	55	NW	2	b	30.21	+13	55	53	+1	WSW	2	cp	2	b	57	45	*	0.03	
	Valencia... ..	30.22	57	NW	2	b	30.27	+15	47	45	-7	NE	1	b	3	br, b	60	40	10.0	0.01	
	Roche's Point ...	30.20	59	NNW	3	b	30.29	+21	49	47	-4	N	3	b	1	b	61	44	*	-	
	Parsonstown ...	30.17	54	NW	1	b	30.28	+23	41	40	-8	NW	1	c	*	b	59	35	8.7	-	
	Donaghadee ...	30.07	53	N	4	c	30.21	+29	45	44	-3	WNW	3	b	2	-	57	40	*	0.02	
	Liverpool Obsy.	30.04	52	WNW	6	c	30.24	+36	53	48	+2	NNW	3	b	4	p, c	56	51	*	0.09	
	Holyhead ...	30.09	54	NW	6	bc	30.25	+31	55	50	+4	NW	2	bc	1	bc, bc	55	48	*	-	
	Pembroke (St. Ann's)	30.11	56	NW	4	b	30.27	+28	54	49	+1	NNW	1	b	2	-	57	50	10.3	-	
	Scilly (St. Mary's)...	30.17	58	NNW	4	bc	30.29	+25	56	56	-3	W	1	bcw	2	bc	62	55	10.2	-	
	Jersey (St. Aubins)...	30.14	61	WNW	4	b	30.27	+25	58	51	-2	NW	2	bc, m	2	p, bc, b	63	47	10.8	0.02	
	Portland Bill ...	30.10	56	NW	5	b	30.27	+29	55	51	0	NNW	2	b	2	bc, b	59	50	*	-	
	Dungeness ...	30.05	55	NNW	3	b	30.21	+30	51	49	-5	N	4	b	2	b	62	40	*	-	
	Wick ...	29.89	48	N	3	0	30.05	+37	42	40	-5	N	2	b	1	-	52	38	*	0.15	
	Nairn ...	30.01	48	NW	2	bc	30.11	+36	47	46	-3	Z	0	bc	1	-	54	43	*	0.02	
	Aberdeen ...	29.90	46	WNW	3	bc	30.10	+42	48	44	0	NW	3	b	2	bc, bp, bc	53	41	6.0	0.04	
Leith ...	29.94	53	W	2	c	30.15	+49	47	44	-5	WSW	2	om	*	-	61	41	*	-		
North Shields ...	29.89	55	NW	3	c	30.13	+38	46	43	-4	WSW	2	b	2	bc, c	57	39	*	-		
SPURN HEAD, &c.	Spurn Head ...	29.93	56	W	4	bc	30.14	+41	49	47	-1	WNW	5	b	4	-	58	47	*	-	
	Yarmouth ...	29.94	54	NW	2	c	30.12	+36	49	47	-3	WNW	4	bc, m	3	bc, cp	58	41	*	-	
	Loughborough ...	30.02	51	WNW	3	bc	30.21	+34	47	46	-2	WNW	2	bc, m	*	bc, bp, b	58	41	*	0.03	
	Oxford ...	30.13	49	NW	1	b	30.26	+33	47	45	-3	WSW	1	b	*	b	60	40	*	-	
	London (Brixton)	30.03	56	NW	3	bc	30.22	+32	47	45	-4	NW	2	bc, m	*	bc, b	60	45	7.4	-	
	The Scaw (Skagen)	29.54	51	WSW	1	c	29.61	+25	49	48	+1	WNW	1	bc	0	-	54	45	*	-	
GERMANY, &c.	Fanö ...	29.68	50	WNW	4	c	29.80	+30	52	48	+2	WNW	6	b	*	-	55	48	*	0.16	
	Cuxhaven ...	29.70	52	W	3	r	29.91	+29	52	49	+1	WNW	4	c	*	-	55	50	*	0.47	
	The Helder ...	29.85	55	NW	5	bc	30.03	+34	54	49	-2	NW	4	bc	3	-	57	50	*	0.12	
	Brussels... ..	*	*	*	*	*	30.18	+30	49	48	-4	WSW	2	b	*	-	61	42	*	-	
	Berlin ...	29.80	50	W	4	b	29.96	+23	51	49	-4	W	4	c	*	-	63	48	*	0.04	
	Frankfurt ...	30.04	51	SW	2	b	30.17	+26	47	45	-6	SW	2	c	*	-	62	45	*	0.02	
	Munich ...	30.09	54	W	4	c	30.23	+17	50	47	-6	W	4	c	*	-	63	45	*	0.03	
	C. Gris Nez ...	30.05	57	WNW	4	b	30.20	+29	51	48	-3	WNW	4	b	4	-	61	46	*	-	
FRANCE.	Brest ...	30.20	59	N	2	b	30.30	+21	48	46	-10	NE	1	b	1	-	63	46	*	-	
	Lorient ...	30.14	61	N	3	c	30.26	+20	52	48	-7	NE	4	bc	2	-	70	50	*	-	
	Rochefort ...	30.13	64	NNW	3	0	30.20	+11	55	53	-8	E	3	b	*	c, 0	70	52	*	-	
	Biarritz ...	30.20	66	N	1	c	30.19	-01	59	58	-4	E	1	b	3	-	70	57	*	-	
	Paris ...	30.11	57	NW	2	b	30.24	+22	46	45	+7	S	1	bc	*	-	65	42	*	0.04	
	Belfort ...	30.03	53	WSW	3	r	30.21	+19	46	45	-8	Z	0	f	*	-	60	46	*	0.16	
	Lyons ...	30.12	61	NW	1	0	30.21	+05	55	51	-1	NW	1	c	*	-	70	54	*	-	
	Nice ...	29.95	66	Z	0	b	30.04	+01	63	57	+4	Z	0	b	1	-	73	58	*	-	
SPAN. PEN.	Perpignan ...	30.11	66	S	1	c	30.15	00	62	59	+1	Z	0	0	*	-	71	53	*	-	
	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, 18<sup>th</sup> September, 1902.*

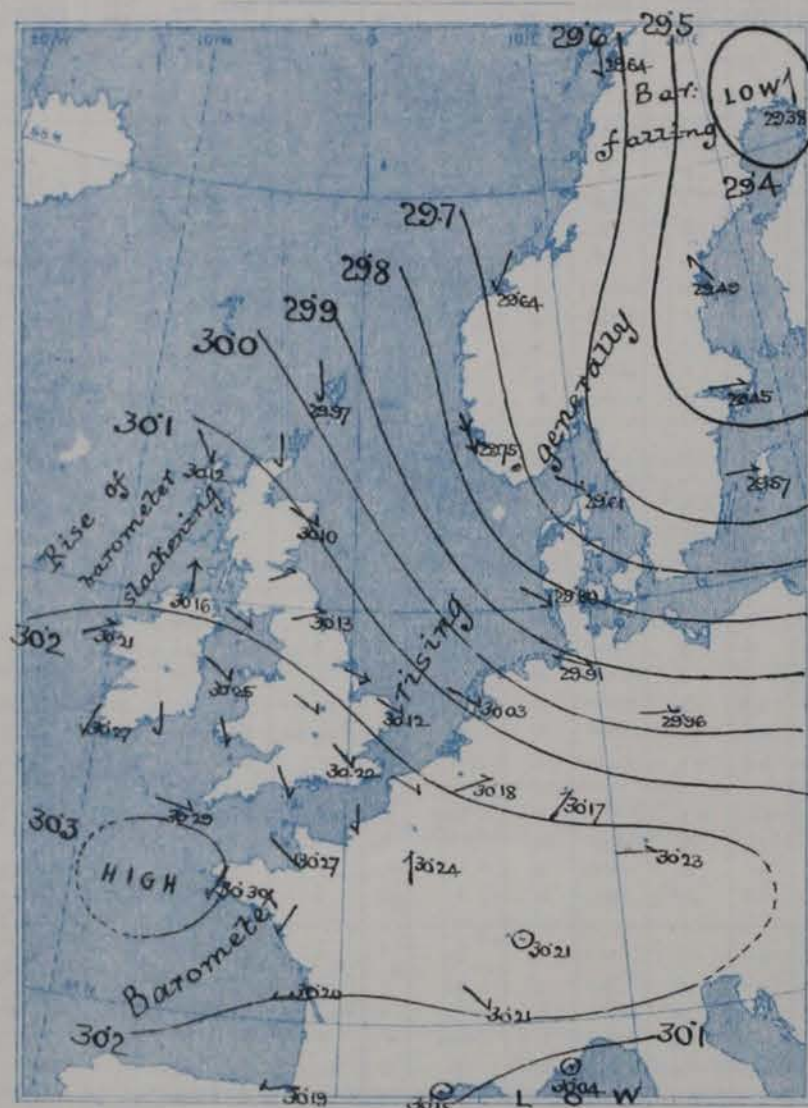
## I. BAROMETER, WIND AND SEA. *This Morning.*

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 

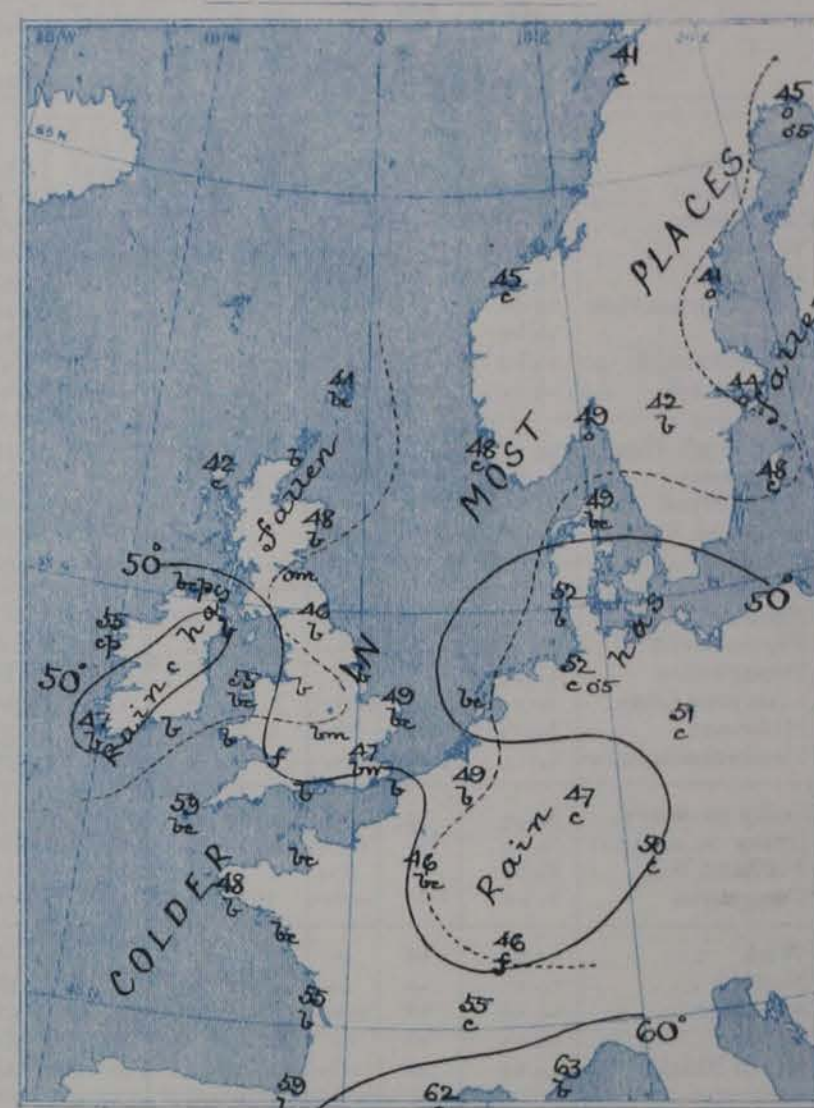


## II. TEMPERATURE AND WEATHER. *This Morning.*

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—0.5

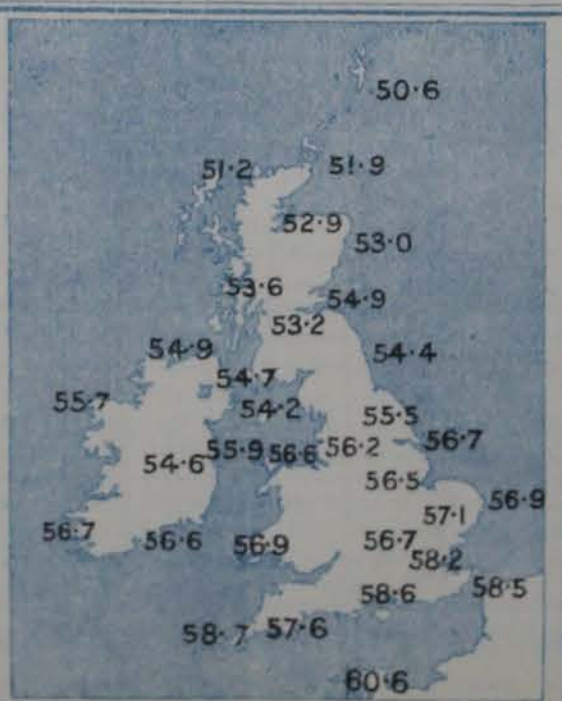


## III. BAROMETER AND WIND

*Yesterday morning.*



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



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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

A large anticyclone has spread from the Atlantic over the whole of the United Kingdom, France, Belgium and South Germany, and the barometer continues to rise over Western Europe generally, the change being, however, now very slight in the west of Ireland. The highest pressures, 30.3 ins. and upwards, are found in a small area lying near the mouth of the English Channel, while the lowest, 29.4 ins. and less, are reported in a cyclonic system over the north of Sweden; in the northern parts of Scandinavia the barometer is at present falling slightly.

### WIND

The wind is light to moderate from the N<sup>th</sup> or N.W<sup>th</sup> over the greater part of the United Kingdom, and strong from the latter quarter on the eastern shores of the North Sea, with a gale at Skudeenæs; in Germany and the south of Sweden it is W<sup>th</sup>, while in the Gulf of Bothnia it is light from the S<sup>th</sup> or S.E<sup>th</sup>. On the north coasts of Ireland the wind has backed to the S.W<sup>th</sup> or S<sup>th</sup>, in the west of France it is N.E<sup>th</sup> or E<sup>th</sup>.

### TEMPERATURE

Temperature has fallen in most places and is considerably below the average. Over the greater part of the United Kingdom, Central France and Western Germany the morning readings are below 50°, the lowest reported in our Islands being 41° at Parsonstown and 42° at Stornoway and Wick. Over the western parts of the Channel, however, the thermometer exceeds 55°, and at Scilly it stands at 59°; in the extreme south of France the readings are slightly above 60°. The weather is fine over Western Europe generally, but is showery in the north of Ireland, at many of the Scandinavian stations the sky is cloudy or dull.

### WEATHER

### AND

### SEA

The sea is moderate to smooth. The maximum temperatures recorded over the United Kingdom yesterday were below 60° at all stations excepting Leith and those in the extreme south, and below 55° in the north of Scotland. The amount of bright sunshine was generally large, more than 10 hrs. being recorded on many parts of the English coasts, and as much as 11.6 hrs. at Clacton-on-Sea and 11.1 hrs. at Hastings. Showers fell at several of our own western, northern and central stations, and larger amounts of rain in some parts of Sweden, Denmark, Germany and central France.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The check in the baric rise on our eastern and western coasts, accompanied as it is by backing winds in the north of Ireland, indicates in all probability the approach of fresh disturbances from the west or north-west. The present fine weather is therefore likely to be followed shortly by rain or passing showers, the change commencing to-day in the north-west and north and extending later to most other districts.

## FORECASTS \*

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

### DISTRICTS.



### FORECASTS.

0	{ SCOTLAND NORTH	Wind backing to the S.W <sup>th</sup> or S <sup>th</sup> , fine at first, some rain later.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	S.W <sup>th</sup> winds, moderate, fair at first, showery later.
3	{ ENGLAND EAST	N.W <sup>th</sup> to W <sup>th</sup> or S.W <sup>th</sup> winds, moderate, fair to-day, some showers to-night or tomorrow.
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	S.W <sup>th</sup> winds freshening, changeable, some showers
7	{ ENGLAND N.W.	W <sup>th</sup> to S.W <sup>th</sup> winds freshening, fair at first, showery later
8	{ ENGLAND S.W.	N.W <sup>th</sup> winds, light, fair generally.
9	{ IRELAND NORTH	Same as No. 6.
10	{ IRELAND SOUTH	N.W <sup>th</sup> to W <sup>th</sup> winds, light, fair at first, some showers later.
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 ... ..	*	*	*	*	*	*	*	*	*	*	b	*	b	65	42	11.6	-	
Newton Reigny (Penrith)	29.94	49	W 3	b.c	30.16	+3.7	46	44	-1	WNW 1	o	*	b.c.o	56	40	8.0	-	
Bath ... ..	30.07	54	W 2	b	30.26	+3.0	43	43	-10	W 1	f	*	-	60	39	7.0	-	

## 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. ...	60	43	b	8.8	-	Worthing ... ..	*	*	*	10.4	*
Birmingham, 9 p.m. ...	58	46	b	6.7	0.01	Llandudno ... ..	*	*	*	9.2	*
Lowestoft, up to 6 p.m. ...	57	47	c	7.2	-	Rhyl up to 6 p.m. ...	*	*	*	8.2	*
Hastings ... ..	*	*	*	11.1	*	Southport, 9 p.m. ...	57	48	c, bu	7.5	0.11
Eastbourne up to 6 p.m. ...	*	*	*	10.1	*	Manchester, 9 p.m. ...	61	46	bu	5.7	0.17
Brighton ... ..	*	*	*	9.8	*	Darwen, 9 p.m. ...	53	42	10.0v	5.4	0.40

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

STATIONS. 17 <sup>TH</sup> SEPTEMBER.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 16 <sup>TH</sup> SEPTEMBER.	TEMPERATURE, F. at 1 p.m. °	WEATHER. 1 p.m.	RAIN. (measured at 7 a.m.)
	Max.	Min.						
Marseilles ... ..	72	52	b, b	Ins.	Geneva ... ..	66	b	-
Utrecht ... ..	61	48	b, r, c	0.10	Berne ... ..	61	c	-
Copenhagen ... ..	57	50	c, m	0.32	Lucerne ... ..	63	b, c	-
Prague ... ..	64	55	o, c	-	Lausanne ... ..	?	?	-
Vienna ... ..	70	54	b, o	-	Lugano ... ..	72	b	-
Buda-Pesth ... ..	66	50	b, c, m	?	Locarno ... ..	?	?	-
St. Petersburg ... ..	54	45	o, o	0.04				
Rome ... ..	81	59	b, b	-				
Malta ... ..		NOT RECEIVED						
Madeira (Funchal) ... ..	77	61	b, 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.

18 <sup>TH</sup> SEPT. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.32	11.47	6.2
Greenwich ... ..	5.40	11.54	6.8
Wick ... ..	5.49	12.6	6.24
Valencia ... ..	6.20	12.35	6.50

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.

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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 19<sup>TH</sup> SEPTEMBER.

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.	Dirac.	Force (0 to 12.)		At 32° 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.
SCANDINAVIA.	Haparanda ...	29.42	40	SW	2	c	29.63	+25	34	34	-11	N	6	+	*	-	48	34	*	0.08	
	Hernösand ...	29.65	42	Z	0	bc	29.85	+36	39	33	-2	NW	6	bc	*	-	48	39	*	-	
	Stockholm ...	29.71	44	W	2	o	29.90	+45	40	37	-4	WNW	4	b	*	-	52	40	*	0.04	
	Wisby ...	29.75	50	WNW	2	c	29.91	+34	46	42	-2	NNW	4	b	*	-	54	43	*	-	
	Karlstad ...	29.80	44	SW	4	b	30.04	+43	38	35	-4	NW	2	b	*	-	*	*	*	-	
	Färder (X'ania Fjord) ...	29.82	51	W	4	bc	30.10	+45	46	40	-3	E	2	o	1	-	52	45	*	-	
	Bodö ...	29.78	40	N	4	c	29.92	+28	39	35	-2	N	4	c	2	-	41	32	*	-	
	Christiansund ...	29.97	41	N	3	+	30.13	+38	40	38	-5	N	3	+	3	-	46	39	*	0.10	
	Skudesnaes ...	30.00	46	NNW	6	bc	30.19	+44	45	42	-3	NNW	6	c	3	c, bc	52	43	*	*	
	Sumburgh Head ...	30.13	44	NW	3	c	30.29	+32	44	40	0	NW	3	b	4	bc, c	49	40	*	0.06	
BRITISH ISLANDS.	Stornoway ...	30.23	48	N	1	bc	30.31	+19	40	39	-2	ESE	1	ov	1	c, bc	53	34	7.4	-	
	Malin Head ...	30.22	55	NNW	2	b	30.25	+09	55	53	+4	SE	2	b	1	bc, b	59	46	*	-	
	Blacksod Pt. ...	30.25	57	SW	3	bc	30.23	+02	53	51	-2	SSE	3	bc	3	cp, bc	59	51	*	0.02	
	Valencia ...	30.26	60	S	1	b	30.19	-08	57	52	+10	SE	5	c	4	b	64	47	11.2	-	
	Roche's Point ...	30.29	60	SW	2	b	30.25	-04	58	54	+9	SSE	5	c	5	b	60	47	*	-	
	Parsonstown ...	30.26	58	SW	1	c	30.27	-01	49	48	+8	SE	1	c	*	bc, c	63	40	8.8	-	
	Donaghadee ...	30.25	56	NW	2	o	30.32	+11	55	53	+10	ENE	2	c	2	-	59	45	*	-	
	Liverpool Obsy. ...	30.30	52	WNW	2	b	30.36	+12	50	47	-3	SSE	1	b	2	b	57	46	*	-	
	Holyhead ...	30.30	53	SW	2	b	30.33	+08	54	52	-1	S	2	cm	1	b	58	50	*	-	
	Pembroke (St. Ann's) ...	30.29	55	NNW	1	b	30.30	+03	52	50	-2	NE	4	cmw	2	-	58	46	10.9	-	
GERMANY, &c.	Scilly (St. Mary's) ...	30.29	59	ESE	1	b	30.23	-06	57	54	+1	ESE	5	c	3	b	63	54	7.3	-	
	Jersey (St. Aubins) ...	30.31	60	N	3	b	30.33	+06	58	52	0	E	3	bmw	3	bc, b	63	43	11.0	-	
	Portland Bill ...	30.28	55	N	1	b	30.35	+08	56	51	+1	SE	2	b	1	b	63	48	*	-	
	Dungeness ...	30.30	55	NNE	2	bc	30.39	+18	49	47	-2	NNE	1	m	1	bc	61	37	*	-	
	Wick ...	30.22	45	N	2	bc	30.33	+28	40	39	-2	N	1	bc	1	-	51	33	*	0.05	
	Nairn ...	30.20	49	Z	0	bc	30.34	+23	42	41	-5	Z	0	bc	0	-	56	33	*	-	
	Aberdeen ...	30.22	46	NNW	1	bc	30.36	+26	44	42	-4	NW	2	bc	1	bc	54	36	10.0	-	
	Leith ...	30.18	55	W	1	c	30.33	+18	46	45	-1	Z	0	f	*	-	59	40	*	0.02	
	North Shields ...	30.21	51	NNE	3	+	30.35	+22	48	47	+2	Z	0	om	2	cp, r	57	44	*	0.10	
	Spurn Head ...	30.24	52	NE	2	bc	30.35	+21	52	51	+3	NW	2	c	3	-	59	48	*	-	
FRANCE.	Yarmouth ...	30.25	56	NNW	3	bc	30.34	+22	48	46	-1	WNW	3	bmw	3	bc	57	41	*	-	
	Loughborough ...	30.28	55	WNW	1	b	30.39	+18	43	42	-4	SE	1	cmw	*	bc, bf, c	61	36	*	-	
	Oxford ...	30.33	48	N	1	b	30.41	+15	41	40	-6	Z	0	f	*	b	61	35	*	-	
	London (Brixton) ...	30.28	54	NNW	2	b	30.38	+16	43	42	-4	Z	0	m	*	bc, b	61	37	8.7	-	
	The Scaw (Skagon) ...	29.86	49	NW	1	c	30.05	+44	49	43	0	E	3	c	1	-	54	46	*	-	
	Fanø ...	30.04	49	WNW	6	c	30.18	+38	48	45	-4	NW	3	b	*	-	57	46	*	0.04	
	Cuxhaven ...	30.07	52	WNW	3	c	30.24	+33	50	47	-2	NW	3	b	*	-	55	50	*	0.12	
	The Helder ...	30.19	53	NW	4	bc	30.32	+29	54	51	0	NNW	2	c	2	-	55	52	*	0.12	
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
	Berlin ...	30.07	51	W	3	bc	30.22	+26	49	46	-2	WNW	3	c	*	-	59	45	*	0.06	
SPAN. PEN.	Frankfurt ...	30.27	51	NW	2	c	30.39	+22	47	45	0	W	1	b	*	-	61	43	*	-	
	Munich ...	30.28	51	SW	2	c	30.38	+15	47	45	-3	SW	2	b	*	-	55	43	*	-	
	C. Gris Nez ...	30.30	55	NNE	3	bc	30.38	+18	52	48	+1	SE	2	b	2	-	61	48	*	-	
	Brest ...	30.28	60	NE	1	b	30.25	-05	51	47	+3	E	4	b	4	-	68	48	*	-	
	Lorient ...	?	62	?	4	b	30.23	-03	50	50	-2	ESE	4	b	2	-	68	50	*	-	
	Rochefort ...	30.17	65	NE	3	b	30.19	-01	51	49	-4	ENE	4	b	*	b	75	48	*	-	
	Biarritz ...	30.15	69	ENE	2	bc	30.13	-06	57	56	-2	ENE	3	b	2	-	72	54	*	-	
	Paris ...	30.29	55	N	2	b	30.38	+14	43	42	-3	NNE	2	b	*	-	63	40	*	-	
	Belfort ...	30.23	52	WNW	2	m	30.33	+12	40	39	-6	ENE	3	m	*	-	61	37	*	-	
	Lyons ...	30.24	57	NNE	2	b	30.31	+10	48	44	-7	N	1	b	*	-	66	44	*	-	
Nice ...	30.02	62	SE	1	b	30.11	+07	64	58	+1	E	1	b	1	-	75	57	*	-		
Perpignan ...	30.10	66	Z	0	b	30.17	+02	56	55	-6	Z	0	b	*	-	63	51	*	-		
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, 19<sup>th</sup> September, 1902.*

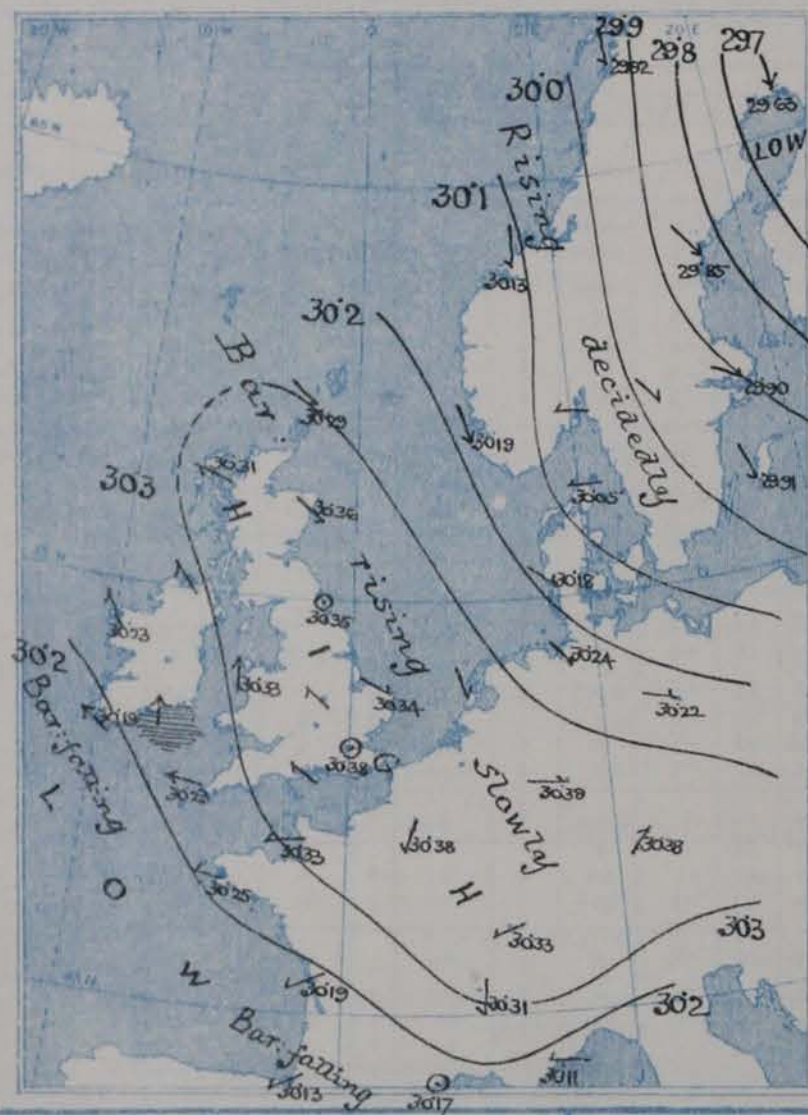
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

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

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

SEA.—Rain  $\square$  High  $\square$

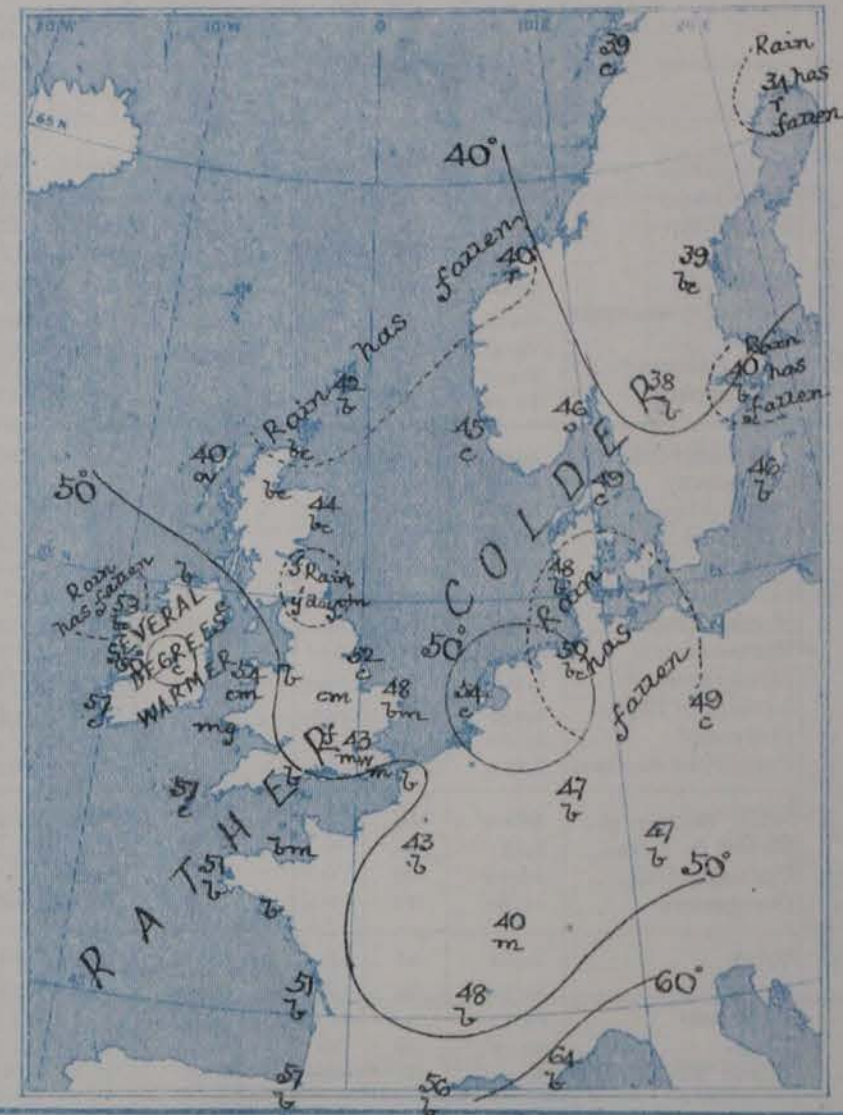


## II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

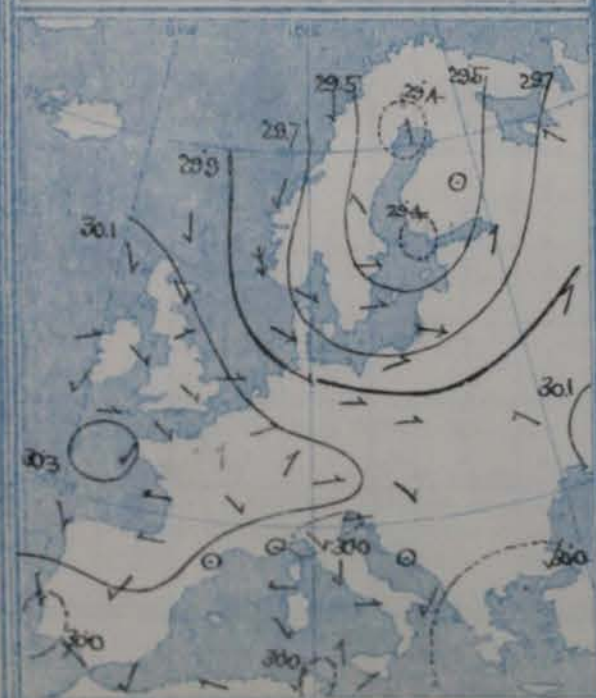
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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  $\rightarrow$  0.6



## III. BAROMETER AND WIND

*Yesterday morning.*



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



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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The anticyclone of yesterday has spread northwards and eastwards and now covers the whole of Western Europe, its central area, with pressures varying between 30.3 ins. and 30.4 ins., being situated over Great Britain, the Netherlands, Western and Southern Germany and the north and east of France. The lowest readings, 29.7 ins. and less, are reported over Lapland, but the barometer is rising in most parts of our area; a slight fall is, however, in progress on our own extreme west and south-west coasts and also in the west of France.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is E<sup>ly</sup> or S.E<sup>ly</sup> on our western and southern and most of the French coasts, and blows freshly at the mouth of the Channel and in the south of Ireland. At our more central stations calms or light variable airs are reported but on our east coasts and in Scandinavia, Denmark and the Netherlands the wind is N.W<sup>ly</sup>. Temperature has again fallen generally, but has risen several degrees in Ireland. Readings below 45° are now reported over central England and the north of Scotland, as well as in central France, the lowest value of all being 40° at Wick, Bath and Belfort; over the inland parts of England the readings are about 12° below the average for the time of year, while in central France the deficit is still greater. On the Irish coasts and in the western part of the Channel the thermometer is above 55°. The weather is fine over Western Europe generally, but fog or mist prevails at several stations in the eastern and central parts of Great Britain. The sea is slight or smooth in most places, but is rather rough at Roche's Point. In the course of yesterday the thermometer rose slightly above 60° at most of our central and southern stations; on the north coasts of Scotland it did not reach 55°. Over the northern and central parts of Great Britain the night was very cold, the sheltered thermometer falling to 35° at Oxford, to 34° at Stornoway and to 33° at Wick and Cairn; on the grass the thermometer fell to 32° in London and to 30° at Oxford. The amount of bright sunshine yesterday was large—more than 10 hrs. in many places and as much as 11.5 hrs. at Southport.



### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is likely to drift slowly north-eastwards and the weather in the extreme west and south-west of our Islands will probably be influenced shortly by cyclonic systems approaching the south of Ireland. In all the more northern and eastern districts the weather is likely to remain fair for the present.

## FORECASTS \*

For the 24 hours ending at NOON on 20<sup>th</sup> September, 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S <sup>ly</sup> and S.E <sup>ly</sup> winds, light, fair generally.	6 { SCOTLAND WEST	E <sup>ly</sup> and S.E <sup>ly</sup> winds, light, fair generally,
1 { SCOTLAND EAST		7 { ENGLAND N.W.	but some mist or fog.
2 { ENGLAND N.E.	Light variable airs; fair generally, frost inland at night, with local fogs.	8 { ENGLAND S.W.	E <sup>ly</sup> and S.E <sup>ly</sup> winds, fresh or strong; fair generally.
3 { ENGLAND EAST		9 { IRELAND NORTH	S.E <sup>ly</sup> winds, freshening; fair generally.
4 { MIDLAND COUNTIES	Light E <sup>ly</sup> breezes; fair generally, frost inland at night, with local fogs.	10 { IRELAND SOUTH	S.E <sup>ly</sup> winds, fresh or strong; cloudy, some rain.
5 { ENGLAND SOUTH		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 ... ..	*	*	*	*	*	*	*	*	*	bz	*	c, b	59	41	10.5	-
Newton Reigny (Penrith) ...	30.21	50	WSW 2	c	30.31 +.15	45	45	-1	20	mw	*	c, o, m, w	58	38	6.5	0.15
Bath ... ..	30.30	54	NW 1	b	30.37 +.11	40	40	-3	N 1	b	*	-	61	36	8.5	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	60	40	b	9.9	-	Worthing ... ..	*	*	*	10.6	*
Birmingham, 9 p.m. ...	60	43	b	6.1	-	Llandudno ... ..	*	*	*	8.9	*
Lowestoft, up to 6 p.m. ...	57	41	b	10.8	-	Rhyl up to 6 p.m. ...	*	*	*	9.0	*
Hastings ... ..	*	*	*	10.4	*	Southport, 9 p.m. ...	59	49	bc	11.5	-
Eastbourne up to 6 p.m. ...	*	*	*	11.2	*	Manchester, 9 p.m. ...	62	38	b	5.7	-
Brighton ... ..	*	*	*	9.8	*	Darwen, 9 p.m. ...	56	40	cw	8.7	-

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

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F. at 1 p.m.	WEATHER.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
18 <sup>TH</sup> SEPTEMBER					17 <sup>TH</sup> SEPTEMBER			
Marseilles ... ..	72	55	b, b	Ins.	Geneva ... ..	64	c	—
Utrecht... ..	59	46	c, f	0.20	Berne ... ..	59	o	—
Copenhagen... ..	57	46	c, bc	0.04	Lucerne ... ..	64	o	—
Prague ... ..	63	48	o, o	0.08	Lausanne ... ..	?	?	—
Vienna ... ..	68	54	r, o	0.08	Lugano ... ..	70	b	—
Buda-Pesth ... ..	68	54	o, o	0.04	Locarno ... ..	?	?	—
St. Petersburg ... ..	59	46	o, o	—				
Rome ... ..	79	59	b, b	—				
Malta ... ..	81	73	c	—				
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.

\* 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.

18 <sup>th</sup> SEPTEMBER.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.34	11.47	6.0
Greenwich ... ..	5.42	11.54	6.6
Wick ... ..	5.51	12.6	6.21
Valencia ... ..	6.22	12.35	6.48

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 SATURDAY 20<sup>TH</sup> SEPTEMBER. 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.	Dirac.	Force (0 to 12.)	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.	Ins.	°	°														
SCANDINAVIA.	Haparanda ...	29.89	34	NW	4	c	30.10	+47	32	30	-2	N	2	b	*	-	41	32	*	0.04	
	Hernösand ...	30.09	36	NW	2	bc	30.26	+41	39	32	0	NW	2	b	*	-	49	36	*	-	
	Stockholm ...	30.15	41	W	4	b	30.33	+43	37	34	-3	NW	2	b	*	-	45	36	*	-	
	Wisby ...	30.18	45	NNW	4	b	30.32	+41	43	41	-3	NNW	4	b	*	-	68	39	*	-	
	Karlstad... ..	30.26	44	NNW	2	c	30.42	+38	36	33	-2	NE	2	b	*	-	*	*	*	-	
	Færder (X'ania Fjord)	30.20	51	WSW	4	b	30.32	+22	41	37	-5	ENE	4	bc	2	-	52	41	*	-	
	Bodö ... ..	30.07	37	NW	4	c	30.22	+30	37	34	-2	WNW	4	s	2	-	39	32	*	0.08	
	Christiansund ...	30.33	37	SW	3	c	30.42	+29	36	35	-4	SSW	2	s	3	-	43	34	*	0.16	
	Skudesnaes ...	30.36	45	NNW	2	c	30.41	+22	42	40	-3	Z	0	o	2	b,c	48	41	*	*	
	Sumburgh Head ...	30.39	44	WNW	1	c	30.26	-03	46	46	+2	S	3	+	4	c	47	40	*	0.09	
Stornoway ...	30.28	51	SSE	2	o	30.16	-15	50	49	+10	SW	1	o	1	b,o	53	39	0.8	-		
Malin Head ...	30.21	56	SSE	4	c	30.11	-14	52	50	-3	ESE	4	op	2	c	61	50	*	0.01		
Blacksod Pt. ...	30.14	59	SSE	3	c	29.99	-24	55	54	+2	SE	5	tm	4	c	60	53	*	0.04		
Valencia... ..	30.09	59	SE	4	o	29.95	-24	61	60	+4	SSE	5	om	4	c,o	64	56	6.6	0.20		
BRITISH ISLANDS.	Roche's Point ...	30.19	58	S	6	c	30.06	-19	58	57	0	SSE	4	om	5	c	59	56	*	0.04	
	Parsonstown ...	30.21	57	SE	3	c	30.06	-21	56	54	+7	SE	4	ogu	*	bc,c	62	47	8.2	0.02	
	Donaghadee ...	30.31	56	SSE	2	bc	30.19	-13	55	52	0	SSW	3	c	3	-	59	54	*	-	
	Liverpool Obsy. ...	30.33	56	SE	1	b	30.27	-09	48	46	-2	SE	3	m	?	b	62	46	*	-	
	Holyhead ...	30.32	56	E	1	cm	30.21	+12	56	52	+2	S	3	cm	2	cm	61	49	*	-	
	Pembroke (St. Ann's)	30.24	58	SE	6	c	30.14	-16	57	54	+5	SE	7	cu	5	-	61	51	7.8	-	
	Scilly (St. Mary's)...	30.21	59	ESE	6	c	30.10	-13	58	55	+1	ESE	5	c	4	bc,c	61	54	10.5	-	
	Jersey (St. Aubins)...	30.28	63	ESE	4	bm	30.25	-08	58	53	0	E	3	cu	3	bm	65	52	11.5	-	
	Portland Bill ...	30.32	56	ESE	4	bc	30.26	-09	58	52	+2	ESE	4	bc	4	bc	61	56	*	-	
	Dungeness ...	30.36	57	ESE	2	b	30.35	-04	60	56	+11	SE	4	b	2	bc,b	63	54	*	-	
Wick ... ..	30.33	49	SE	4	o	30.21	-12	51	50	+11	S	1	+	2	-	57	39	*	0.03		
Nairn ... ..	30.31	54	Z	0	o	30.22	-12	49	48	+7	Z	0	m	0	-	54	40	*	-		
Aberdeen ...	30.38	48	SSE	2	bc	30.28	-08	52	51	+8	S	2	ogm	2	bc	53	43	4.0	-		
Leith ... ..	30.33	53	ENE	1	o	30.25	-08	51	49	+5	Z	0	om	*	-	60	44	*	-		
North Shields ...	30.37	52	E	3	o	30.31	-04	50	48	+2	S	1	of	2	c,o	56	48	*	-		
GERMANY, &c.	Spurn Head ...	30.39	55	ESE	4	bc	30.34	-01	55	53	+3	SSE	3	c	3	-	60	52	*	-	
	Yarmouth ...	30.38	57	E	4	bc	30.35	+01	56	52	+8	ESE	3	bc	3	bc	59	45	*	-	
	Loughborough ...	30.37	57	ESE	1	bc	30.34	-05	45	45	+2	SSE	1	omw	*	bc,b,om	67	37	*	-	
	Oxford ... ..	30.38	49	Z	0	b	30.23	-08	47	46	+6	Z	0	c	*	b	64	38	*	-	
	London (Brixton) ...	30.37	55	ESE	1	bc	30.34	-04	48	47	+5	ESE	1	cmw	*	f,bc	68	42	1.0	-	
	The Scaw (Skagen) ...	30.25	50	SW	1	b	30.31	+26	49	47	0	E	2	b	0	-	55	43	*	-	
	Fanö ... ..	30.37	47	NW	2	c	30.39	+21	50	45	+2	NW	1	c	*	-	55	45	*	-	
	Cuxhaven ...	30.38	52	NW	2	bc	30.43	+19	49	47	-1	SW	1	c	*	-	54	46	*	-	
	The Helder ...	30.39	53	NE	1	b	30.41	+09	53	50	-1	SSE	1	b	0	-	57	45	*	-	
	Brussels... ..	*	*	*	*	*	30.39	-02	50	47	+1	ESE	1	b	*	-	63	43	*	-	
Berlin ... ..	30.33	50	WNW	3	b	30.44	+22	45	44	-4	NW	1	b	*	-	57	43	*	-		
Frankfurt ...	30.44	46	Z	0	b	30.44	+05	42	41	-5	Z	0	b	*	-	61	39	*	-		
Munich ... ..	30.45	47	NE	1	b	30.42	+04	41	40	-6	E	2	b	*	-	55	36	*	-		
FRANCE.	C. Gris Nez ...	30.41	57	ESE	1	b	30.46	+08	52	46	0	SSE	2	b	1	-	61	41	*	-	
	Brest ... ..	30.21	64	SE	1	b	30.18	-07	56	53	+5	ESE	2	bc	3	-	66	51	*	-	
	Lorient ... ..	30.21	61	ESE	4	b	30.19	-04	54	54	+4	E	4	c	2	-	70	50	*	-	
	Rochefort ...	30.16	66	E	4	b	30.16	-03	53	50	+2	E	3	b	*	-	77	48	*	-	
	Biarritz ... ..	30.13	77	E	1	b	30.17	+04	66	64	+9	Z	0	b	0	-	81	63	*	-	
	Paris ... ..	30.36	55	ENE	2	b	30.31	-07	42	41	-1	NE	2	b	*	-	62	41	*	-	
Belfort ... ..	30.31	51	ENE	5	m	30.34	+01	43	41	+3	NE	4	m	*	-	59	38	*	-		
Lyons ... ..	30.29	59	N	1	b	30.33	+02	50	46	+2	NNW	1	b	*	-	65	45	*	-		
Nice ... ..	30.17	65	Z	0	c	30.23	+12	65	57	+1	Z	0	b	2	-	73	59	*	-		
Perpignan ...	30.18	62	S	1	b	30.26	+09	59	56	+3	WSW	1	o	*	-	72	49	*	-		
SPAN. PEN.	Corunna ...																	*	-		
	Lisbon ... ..																	*	-		
	Azores (P. Delgada)	29.93	69	Z	0	o	29.95	+06	68	64	-2	W	3	b	3	-	72	63	*	0.03	

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, 20<sup>TH</sup> SEPTEMBER, 1902.

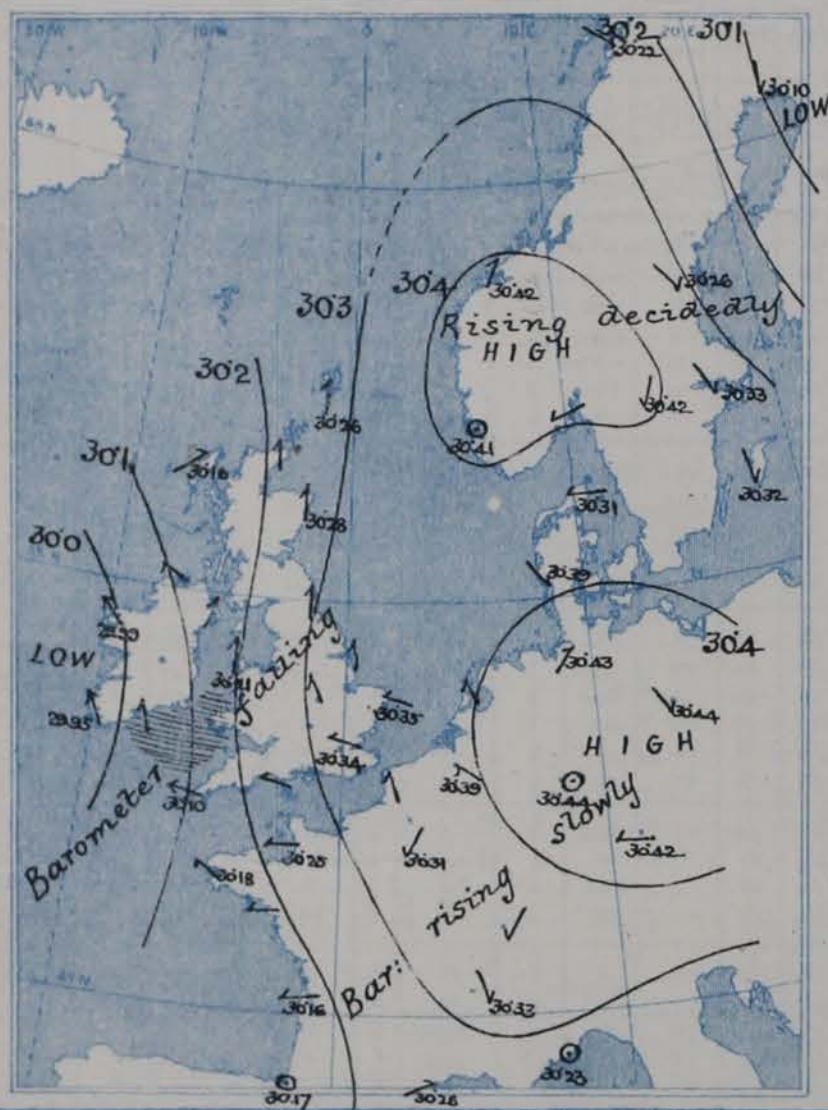
## I. BAROMETER, WIND AND SEA. This Morning.

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 SEPTEMBER. (1871-1900)



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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The anticyclone recently noticed over our Islands is moving away to the eastward, the highest pressures, 30.4 in. and upwards, being now found in two areas - one lying over Holland and Germany, the other over the southern parts of Norway. The lowest readings, 30.0 in. and less, are found in a cyclonic system lying off the west of Ireland; this is apparently extending slowly eastwards, and the barometer is falling over nearly the whole of the United Kingdom; at the Continental stations the mercury still rises.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The general circulation of wind is now anticyclonic, E<sup>ly</sup> or N.E<sup>ly</sup> breezes being reported over France, S.E<sup>ly</sup> breezes over England and Ireland, S<sup>ly</sup> breezes in Scotland, and S.W<sup>ly</sup> or W<sup>ly</sup> breezes in the west of Norway; in Denmark, Germany and the south of Norway the wind is very variable. On our own south-west coasts the S.E<sup>ly</sup> wind blows freshly or strongly; elsewhere it is light or moderate in force. Temperature has risen in our Islands and the west of France; over the central parts of England, where the readings range between 45° and 48°, the thermometer is still below the average, but in other parts of the Kingdom it is equal to, or slightly above, the normal, the readings being above 55° on most of our western and southern coasts and as high as 61° at Valencia (Ireland) and 60° at Dungeness. Over Germany and central France the readings are mostly below 45°, while in Scandinavia they are below 40°; the lowest reported being 32° at Haparanda. The weather remains fine in the south and east of England and also over the western and central parts of the Continent. In the west and north of our Islands it has become cloudy and misty, with rain in the northern parts of Ireland and Scotland; snow is falling in the west of Norway. The sea is moderate or slight generally, but rather rough at the mouth of the St. George's Channel. During yesterday the thermometer rose to 60° and upwards at most of the English and Irish stations, to 67° at Loughborough and to 68° in London. The amount of bright sunshine was large on our west and south coasts (as much as 11.5 hr. at Jersey), but small elsewhere. Slight rain has fallen in Ireland and the extreme north of Scotland.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system which has appeared off our extreme western coasts is likely to spread gradually eastwards, and increasing S<sup>ly</sup> and S.E<sup>ly</sup> winds are probable in most of our western and northern districts, with some rain. In the east and south-east the weather is likely to remain fair throughout the ensuing 24 hours.

## FORECASTS \*

For the 24 hours ending at NOON on 21<sup>st</sup> September, 1902

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND  
NORTH

S<sup>ly</sup> winds freshening; dull, rain at times

1 { SCOTLAND  
EAST

S<sup>ly</sup> winds, moderate; dull, misty, some rain.

2 { ENGLAND  
N.E.

3 { ENGLAND  
EAST

S.E<sup>ly</sup> winds, light or moderate; fair generally, warmer.

4 { MIDLAND  
COUNTIES

5 { ENGLAND  
SOUTH

### DISTRICTS.

### FORECASTS.

6 { SCOTLAND  
WEST

S<sup>ly</sup> and S.E<sup>ly</sup> winds, freshening; dull, some rain.

7 { ENGLAND  
N.W.

8 { ENGLAND  
S.W.

S.E<sup>ly</sup> winds, fresh or strong; fair at first, some rain later.

9 { IRELAND  
NORTH

10 { IRELAND  
SOUTH

S.E<sup>ly</sup> winds, increasing in force; dull, some rain.

### 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.		Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	c	*	b, bc	62	53	10.5	—
Newton Reigny (Penrith) ...	30.31	53	20	0	30.23	-0.8	48	47	-3	SE 1	0	c, om	60	43	2.0	—
Bath ... ..	30.33	56	E 1	6	30.29	-0.8	50	46	+10	SE 1	6	—	62	44	4.7	—

## 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	44	0, c, 0	1.1	0.03	Worthing ... ..	*	*	*	8.5	—
Birmingham, 9 p.m. ...	63	43	6	6.1	—	Llandudno ... ..	*	*	*	9.9	—
Lowestoft, up to 6 p.m. ...	59	40	c	8.4	—	Rhyl up to 6 p.m. ...	*	*	*	9.3	—
Hastings ... ..	*	*	*	9.9	*	Southport, 9 p.m. ...	64	47	0, c, 6m	4.8	0.02
Eastbourne up to 6 p.m. ...	*	*	*	10.0	*	Manchester, 9 p.m. ...	69	41	6m	3.6	—
Brighton ... ..	*	*	*	7.8	*	Darwen, 9 p.m. ...	62	43	cmw	2.5	—

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

STATIONS. 19 <sup>th</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN. Ins.	STATIONS. 18 <sup>th</sup> SEPTEMBER	TEMPERATURE, F. at 1 p.m.	WEATHER.	RAIN. (measured at 7 a.m.) Ins.
	Max.	Min.						
Marseilles ... ..	75	46	b, c	—	Geneva ... ..	64	6	0.08
Utrecht ... ..	61	41	c, 0	0.08	Berne ... ..	61	c	0.24
Copenhagen ... ..	55	46	0, 0	0.39	Lucerne ... ..	61	bc	0.32
Prague ... ..	61	48	0, 0	—	Lausanne ... ..	?	?	0.04
Vienna ... ..	63	50	bc, bc	—	Lugano ... ..	75	6	—
Buda-Pesth ... ..	63	50	bc, 0	—	Locarno ... ..	?	?	—
St. Petersburg ... ..	57	46	0, 0	0.12				
Rome ... ..	79	57	b, b	—				
Malta ... ..	82	73	6	—				
Madeira (Funchal) ... ..	77	64	c, bc	—				

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

	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 <sup>th</sup> SEPT. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.36	11.46	6.57
Greenwich ... ..	5.44	11.53	6.3
Wick ... ..	5.53	12.5	6.18
Valencia ... ..	6.24	12.34	6.45

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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 21<sup>ST</sup> SEPTEMBER.

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 ...	30.28	31	NE	2	b	30.33	+23	32	29	0	NW	2	b	*	-	41	28	*	-	
	Hernösand ...	30.36	35	Z	0	b	30.44	+18	34	31	-5	Z	0	b	*	-	45	32	*	-	
	Stockholm ...	30.37	38	Z	0	b	30.47	+14	37	36	0	WNW	2	b	*	-	46	32	*	-	
	Wisby ...	30.43	37	N	2	b	30.48	+16	45	37	+2	N	2	b	*	-	48	36	*	-	
	Karlstad...	30.40	37	Z	0	bc	30.51	+09	35	33	-1	NE	2	b	*	-	*	*	*	-	
	Færder (X'ania Fjord)	30.40	46	E	1	b	30.47	+15	48	43	+7	S	4	bc	2	-	46	41	*	-	
	Bodö ...	30.29	39	W	4	c	30.26	+04	42	37	+5	SW	4	o	3	-	?	28	*	0.20	
	Christiansund ...	30.40	40	E	1	b	30.34	-08	42	40	+6	SE	4	r	3	-	43	36	*	0.08	
Skudesnaes ...	30.40	47	NE	2	o	30.45	+04	48	45	+6	SE	2	o	2	o	48	43	*	*		
BRITISH ISLANDS.	Sumburgh Head	30.20	50	S	1	m	30.16	-10	51	50	+5	SE	4	o	5	o,m	52	46	*	0.07	
	Stornoway ...	30.10	55	S	2	bc	29.99	-17	53	52	+3	S	1	o	1	b, bc	60	49	7.7	0.03	
	Malin Head ...	29.99	55	SE	5	op	29.95	-16	57	57	+5	SSW	5	op	3	o, op	57	50	*	0.37	
	Blacksod Pt. ...	29.94	61	S	4	omp	29.90	-09	60	60	+5	SE	4	cp	3	om, omp	62	55	*	0.54	
	Valencia...	29.95	62	S	3	om	29.92	-03	62	61	+1	S	2	img	4	om	64	60	0.0	0.47	
	Roche's Point ...	30.02	59	S	4	f	30.00	-06	60	60	+2	S	4	om	5	f	60	57	*	0.19	
	Parsonstown ...	30.01	59	SE	4	o	29.99	-07	61	60	+5	SE	3	o	*	p, o	62	55	0.1	0.04	
	Donaghadee ...	30.12	56	SSW	3	o	30.09	-10	55	55	0	SSW	3	od	3	o, d	56	54	*	0.03	
Liverpool Obsy.	30.19	57	SE	2	o	30.17	-10	54	51	+6	SE	3	o	3	op	60	54	*	0.01		
Holyhead ...	30.15	58	SE	2	omp	30.11	-10	58	55	+2	S	2	om	1	omp	58	52	*	0.06		
Pembroke (St. Ann's)	30.12	60	SSE	4	c	30.09	-05	57	56	0	SE	4	rgm	4	-	62	55	2.6	0.08		
GERMANY, &c.	Scilly (St. Mary's)...	30.11	60	SSE	4	t	30.06	-04	59	59	+1	SSE	4	f	4	o, r	62	55	3.2	0.05	
	Jersey (St. Aubins)...	30.18	64	SE	2	cgm	30.18	-07	63	58	+5	ESE	3	bm	3	bm, cgm	66	54	7.0	-	
	Portland Bill ...	30.22	57	SE	4	c	30.18	-08	62	59	+4	SE	3	c	2	bc, c	62	56	*	-	
	Dungeness ...	30.25	63	E	3	bc	30.27	-08	59	56	-1	SE	3	bc	1	b, bc	64	50	*	-	
	Wick ...	30.14	54	S	1	m	30.04	-17	53	51	+2	S	3	c	2	-	57	50	*	0.03	
	Nairn ...	30.14	50	Z	0	bcm	30.06	-16	58	55	+9	W	1	bcm	1	-	61	47	*	-	
	Aberdeen ...	30.21	52	S	2	om	30.17	-11	53	52	+1	S	3	og	3	o, om	55	52	0.0	-	
	Leith ...	30.16	55	Z	0	o	30.14	-11	55	53	+4	Z	0	om	*	-	59	50	*	0.02	
North Shields ...	30.22	55	SE	2	cm	30.19	-12	54	52	+4	SSE	3	o	3	om, cm, r	57	48	*	0.05		
FRANCE.	Spurn Head ...	30.25	55	SE	4	c	30.27	-07	57	55	+2	SE	4	c	3	-	60	54	*	-	
	Yarmouth ...	30.27	59	SE	3	c	30.29	-06	57	54	+1	ESE	4	bc	3	c	62	55	*	-	
	Loughborough ...	30.24	57	SE	1	c	30.26	-08	54	51	+9	SE	2	om	*	om, c, op	61	45	*	0.01	
	Oxford ...	30.25	54	SE	1	c	30.25	-08	56	52	+9	ESE	1	c	*	c, m	63	45	*	-	
	London (Brixton)	30.25	56	SE	1	bc	30.25	-09	56	53	+8	SE	1	b	*	bc	67	48	4.3	-	
	The Scaw (Skagen)	30.38	49	E	2	c	30.48	+17	48	42	-1	ESE	1	b	0	-	52	46	*	-	
	Fanö ...	30.42	45	NW	1	b	30.46	+07	41	40	-9	N	1	b	*	-	54	37	*	-	
	Cuxhaven ...	30.38	52	N	1	c	30.41	-02	48	45	-1	E	2	b	*	-	54	46	*	-	
The Helder ...	30.31	54	E	1	bc	30.33	-08	52	49	-1	ESE	1	c	1	-	57	50	*	-		
SPAN. PEN.	Brussels...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Berlin ...	30.39	52	N	1	o	30.38	-06	49	45	+4	NW	2	b	*	-	57	45	*	-	
	Frankfurt ...	30.31	50	E	1	b	30.32	-12	47	46	+5	NE	2	b	*	-	63	42	*	-	
	Munich ...	30.35	47	E	3	b	30.33	-09	47	46	+6	Z	0	bc	*	-	59	39	*	-	
	C. Gris Nez ...	30.26	54	ENE	3	b	30.27	-?	51	48	-1	ESE	2	o	1	-	63	48	*	-	
	Brest ...	30.16	63	SSE	2	c	30.14	-04	60	57	+4	SE	1	b	1	-	68	56	*	-	
	Lorient ...	30.18	64	SE	2	bc	30.13	-06	57	57	+3	E	3	bc	1	-	68	54	*	-	
	Rochefort ...	30.15	68	N	2	c	30.13	-03	59	57	+6	E	3	b	*	bc, c	77	53	*	-	
Biarritz ...	30.16	73	ENE	1	b	30.14	-03	65	?	-1	Z	0	m	0	-	79	63	*	-		
SPAN. PEN.	Paris ...	30.25	56	E	2	b	30.27	-04	45	44	+3	NE	1	b	*	-	67	42	*	-	
	Belfort ...	30.21	60	ENE	2	m	30.27	-07	47	47	+4	Z	0	f	*	-	65	43	*	-	
	Lyons ...	30.23	65	S	1	b	30.28	-05	55	51	+5	Z	0	b	*	-	75	50	*	-	
	Nice ...	30.20	64	Z	0	b	30.19	-04	65	58	0	Z	0	c	0	-	75	61	*	-	
	Perpignan ...	30.22	66	E	2	b	30.21	-05	62	62	+3	Z	0	f	*	-	74	59	*	-	
SPAN. PEN.	Corunna ...	30.11	70	NW	3	bc	30.06	-?	61	59	-?	NW	1	f	1	-	77	55	*	-	
	Lisbon ...	30.14	69	NW	1	b	30.11	-02	70	65	+2	N	1	b	*	-	79	63	*	-	
	Azores (P. Delgada)	29.99	67	W	4	b	30.00	+05	65	60	-3	NW	3	b	5	-	72	63	*	0.08	

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, 21<sup>ST</sup> SEPTEMBER, 1902.

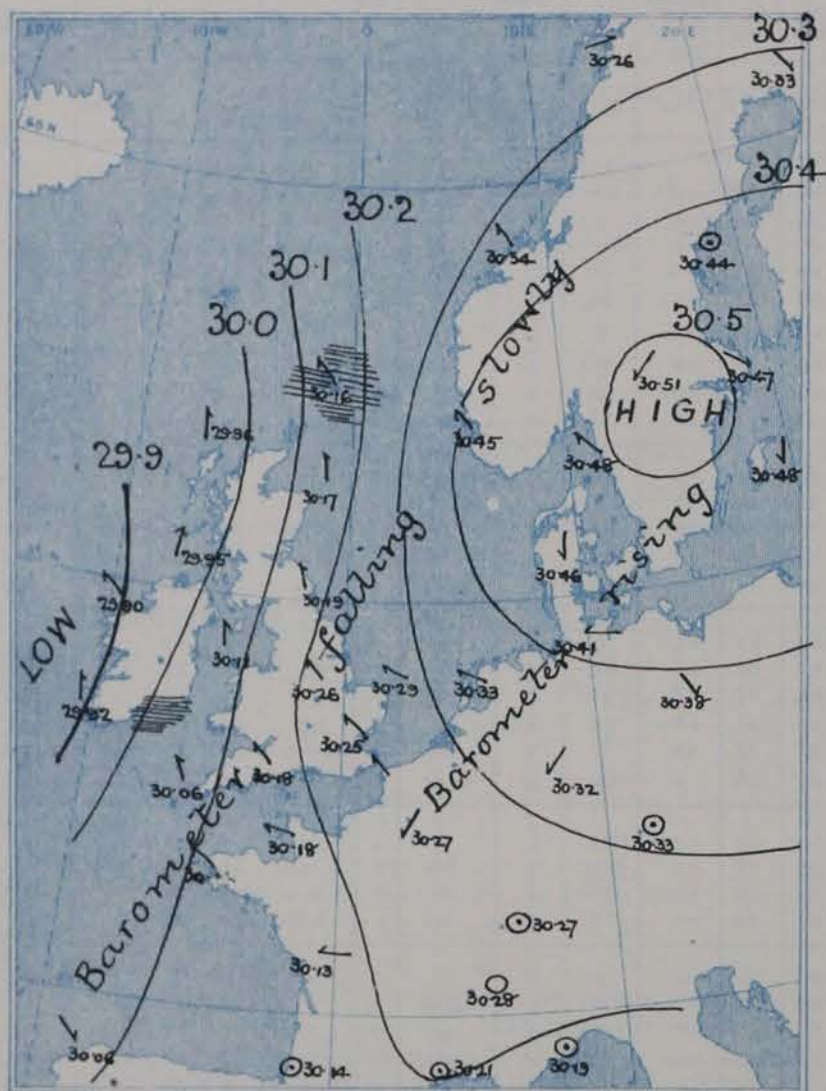
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

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

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

SEA.—Rough High

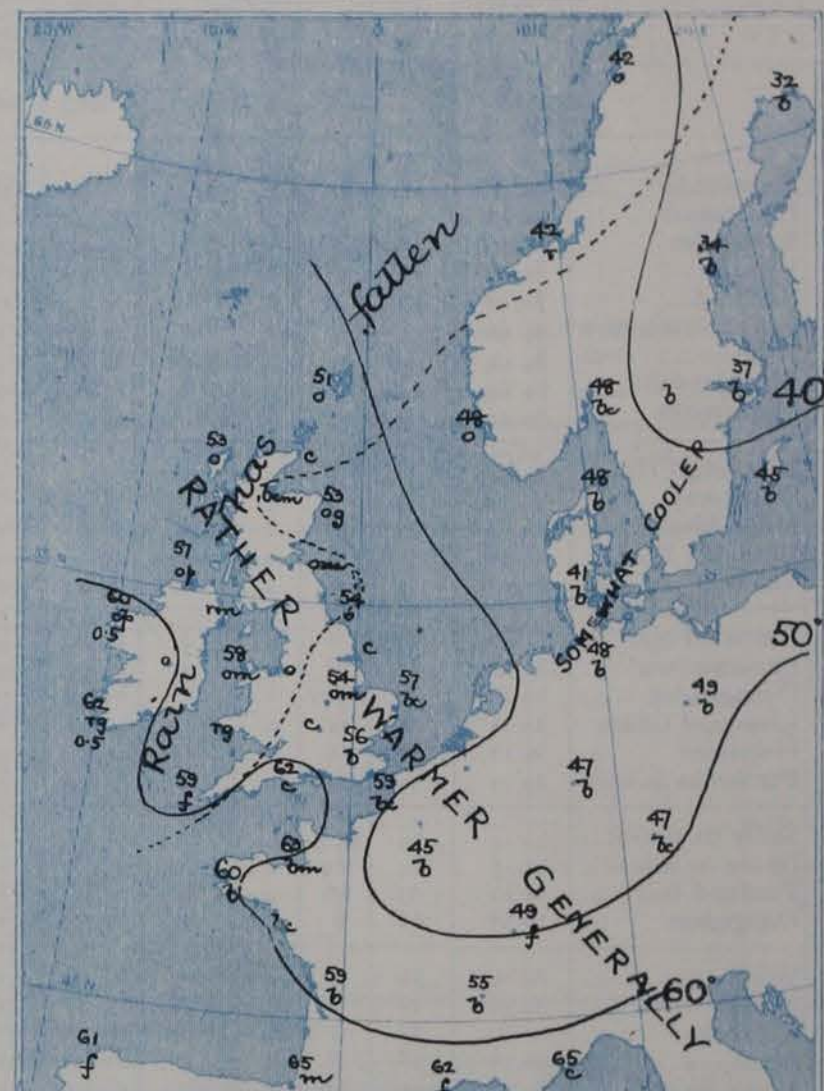


## II. TEMPERATURE AND WEATHER. *This Morning.*

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 SEPTEMBER. (1871-1900)



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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The anticyclone recently noticed over our area continues to move away to the eastward, and while the western borders of the system still extend over the Eastern and central parts of England and France, the highest pressures, 30.5 ins. and upwards, are now reported over the South of Sweden. The Atlantic low pressure system has in the meantime spread over a considerable portion of our western and northern districts, and the barometer continues to fall slowly in most parts of our Islands and the West and North of France, the lowest readings 29.9 ins. and less, being found off the West of Ireland.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is light to moderate from the S.E.<sup>th</sup> or S.<sup>th</sup> over the whole of the United Kingdom and the North Sea, but is calm or variable over Sweden, Denmark, Germany and central France, and light from the E.<sup>th</sup> in the West of France. Temperature has risen at all but the Swedish and Danish Stations and is now above the average in these Islands, the morning readings being above 55° at the majority of our stations and a trifle above 60° at several places in the West and South. Over Germany and central France the thermometer is still below the normal, the readings being mostly below 50°. In Sweden the thermometer is below 40°, the lowest reading reported being 32° at Haparanda. The weather is dull in the West and North of our Islands and also in the West of Norway, with rain and mist on several parts of our western coasts; rain is also falling at Christiansund. In most of the other parts of Western Europe the weather remains fine. The sea is rather rough at Roches Point and also at Sumburgh H<sup>th</sup> and moderate on our South West coasts generally, but slight or smooth elsewhere.

During yesterday the thermometer rose to 60° and upwards in many parts of the United Kingdom, to 66° at Jersey and to 67° in London. The duration of bright Sunshine was generally small, but amounted to over 8 hours at Wothoing and Littlestone-on-Sea and to as much as 10 hours at Clacton-on-Sea. Solar and Lunar halos were seen yesterday over the southern parts of Great Britain. Rain has fallen in the West and North generally, — rather heavily in the West of Ireland.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

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

### DISTRICTS.

### FORECASTS.

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

D.  
E.  
J.  
S.  
S.  
N.  
N.  
N.  
N.

### DISTRICTS.

### FORECASTS.

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

D.  
E.  
J.  
S.  
S.  
N.  
N.  
N.  
N.

### 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	*	b, bc	62	57	10.0	-
Newton Reigny (Penrith)												*					
Bath ... ..	30.22	58	NE 1	bc	30.21	-0.8	57	55	+7	E 1	o	*	-	64	50	4.6	-

## 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	43	o, c, o	0.5	-	Worthing ... ..	*	*	*	8.3	*
Birmingham, 9 p.m. ...	61	43	c	0.2	-	Llandudno ... ..	*	*	*	0.3	*
Lowestoft, up to 6 p.m. ...						Rhyl up to 6 p.m. ...	*	*	*		*
Hastings ... ..	*	*	*		*	Southport, 9 p.m. ...	59	44	o, g, o	0.0	-
Eastbourne up to 6 p.m. ...	*	*	*		*	Manchester, 9 p.m. ...	64	44	o	0.1	-
Brighton ... ..	*	*	*		*	Darwen, 9 p.m. ...	57	45	omw	0.2	-

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

STATIONS. 20 September.	TEMPERATURE, F.		WEATHER.	RAIN. Ins.	STATIONS. 19 September.	TEMPERATURE, F. at 1 p.m.	WEATHER.	RAIN. (measured at 7 a.m.)
	Max.	Min.						
Marseilles ... ..	75	57	o, b	Ins.	Geneva ... ..	59	3	Ins.
Utrecht ... ..	63	41	o, c	-	Berne ... ..	59	3	-
Copenhagen ... ..	54	41	b, m	0.20	Lucerne ... ..	61	2c	-
Prague ... ..	57	45	o, c	-	Lausanne ... ..	?	?	-
Vienna ... ..	63	46	o, b	-	Lugano ... ..	70	3	-
Buda-Pesth ... ..	63	48	b, bc	-	Locarno ... ..	?	?	-
St. Petersburg ... ..	45	34	o	0.04				
Rome ... ..	79	62	b	-				
Malta ... ..	80	73	o	-				
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.

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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.

21 <sup>st</sup> Sept. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	h. m. 5.39	h. m. 11.46	h. m. 5.54
Greenwich ... ..	5.46	11.53	6.1
Wick ... ..	5.53	12.5	6.15
Valencia ... ..	6.27	12.34	6.42

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



# DAILY WEATHER REPORT

for 8 a.m. on Monday, 22<sup>nd</sup> September, 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.	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.
SCANDINAVIA.	Haparanda ...	30.27	38	SW	2	7	30.01	-32	36	34	+4	SW	2	7c	*	-	44	25	*	-	
	Hernösand ...	30.40	36	Z	0	7	30.39	-05	38	33	+4	Z	0	7	*	-	44	28	*	-	
	Stockholm ...	30.46	38	Z	0	7	30.45	-02	41	39	+4	WNW	2	0	*	-	46	30	*	-	
	Wisby ...	30.50	44	Z	0	7	30.52	+04	47	45	+2	WNW	2	7	*	-	47	34	*	-	
	Karlstad ...	30.51	42	Z	0	0	30.56	+05	40	?	+5	SW	2	7	*	-	*	*	*	-	
	Færder (X'ania Fjord)	30.48	50	SSW	4	7	30.54	+07	45	43	-3	NW	1	m	1	-	50	43	*	-	
	Bodö ...	30.19	41	SW	4	7	30.29	+03	46	45	+4	SW	3	0	2	-	46	39	*	0.20	
	Christiansund ...	30.43	47	SE	1	7	30.40	+06	46	46	+4	SE	2	0	2	-	48	39	*	0.04	
	Skudesnaes ...	30.48	?	SSE	6	0	30.45	0	48	45	0	SSE	6	0	4	-	52	48	*	*	
	Sumburgh Head	30.11	51	SE	4	0	30.09	-07	51	50	0	SSE	5	0	6	0	52	50	*	0.02	
BRITISH ISLANDS.	Stornoway ...	29.95	56	S	1	0	29.80	-19	55	54	+2	SSE	4	0	4	omdp	58	52	0.0	0.01	
	Malin Head ...	29.91	61	S	5	0	29.69	-26	57	56	0	SSE	6	0	3	0	64	55	*	0.05	
	Blacksod Pt. ...	29.82	61	SE	3	0	29.65	-25	61	58	+1	SSW	7	7cm	6	c, cp	65	59	*	0.68	
	Holyhead ...	29.85	62	SSE	5	omgp	29.73	-19	61	59	-1	S	5	7	5	op, omp	65	59	0.0	1.18	
	Roche's Point ...	29.94	60	S	5	0	29.83	-17	60	59	0	SSW	4	0	5	f, rs	60	58	*	0.26	
	Parsonstown ...	29.93	64	SE	4	0	29.78	-21	62	59	+1	SE	5	7c	*	c, g	68	58	1.4	0.04	
	Donaghadee ...	30.05	56	SSW	3	0	29.86	-23	56	55	+1	SSW	4	0	4	m, r	56	54	*	0.09	
	Liverpool Obsy. ...	30.12	60	SE	3	0	29.99	-18	55	54	+1	SE	4	0	3	c	64	51	*	0.05	
	Holyhead ...	30.07	62	S	2	om	29.93	-18	61	58	+3	SSW	4	om	3	0, m	64	55	*	0.02	
	Pembroke (St. Ann's)	30.03	61	SE	4	0	29.94	-15	59	56	+2	S	6	m	5	c, mp	63	56	0.0	0.04	
GERMANY, &c.	Scilly (St. Mary's) ...	30.01	58	SSE	5	0	29.91	-15	61	60	+2	S	5	m	4	c, p	62	56	2.7	0.06	
	Jersey (St. Aubins) ...	30.11	67	ESE	2	omp	30.08	-10	64	59	+1	SE	1	cm	1	7c, omp	70	61	7.8	0.02	
	Portland Bill ...	30.14	60	E	5	0	30.07	-11	60	59	-2	SE	2	0	3	7c, c	65	59	*	0.02	
	Dungeness ...	30.20	61	E	2	7	30.15	-12	61	59	+2	SSE	4	7c	1	7, 7c	64	58	*	-	
	Wick ...	30.03	56	SE	5	0	29.99	-05	53	52	0	SE	4	0	4	-	58	52	*	0.01	
	Nairn ...	30.03	59	Z	0	0	29.93	-13	57	54	-1	Z	0	0	0	-	65	53	*	0.02	
	Aberdeen ...	30.16	53	S	3	0	30.06	-11	54	52	+1	SSE	4	0	4	0	55	53	0.0	0.01	
	Leith ...	30.10	57	SE	1	0	29.98	-16	56	52	+1	ESE	2	0	*	-	59	52	*	0.01	
	North Shields ...	30.16	55	SE	3	0	30.06	-13	54	53	0	SSE	3	0	3	-	59	51	*	0.03	
	Spurn Head ...	30.20	55	SE	5	0	30.13	-14	56	56	-1	ESE	5	0	4	-	60	55	*	-	
FRANCE.	Yarmouth ...	30.23	59	ESE	4	0	30.16	-13	59	57	+2	SE	4	7c	4	7c, c	60	55	*	-	
	Loughborough ...	30.18	60	ESE	2	7c	30.10	-16	57	55	+3	SE	2	om	*	0, 7c, cp	66	51	*	0.02	
	Oxford ...	30.17	57	ESE	1	7	30.09	-16	59	56	+3	SSE	2	0	*	7, 7m	66	53	*	-	
	London (Brixton)	30.19	60	ESE	2	7c	30.11	-14	58	56	+2	SE	1	0	*	7c, c, 7	69	53	2.3	-	
	The Scaw (Skagen)	30.13	45	SW	1	7	30.54	+06	44	42	-4	W	1	7	0	-	54	39	*	-	
	Fanö ...	30.50	45	E	2	7	30.51	+05	44	43	+3	E	4	0	*	-	57	41	*	-	
	Cuxhaven ...	30.41	54	E	2	7	30.45	+04	44	43	-4	ESE	4	7	*	-	55	45	*	-	
	The Helder ...	30.28	56	ESE	1	7c	30.26	-07	53	50	+1	SE	3	7	2	-	59	50	*	-	
	Brussels ...	*	*	*	*	*	30.22	*	57	52	*	E	1	7	*	-	66	47	*	-	
	Berlin ...	30.42	51	NE	4	7	30.50	+12	41	39	-8	NE	4	7	*	-	57	37	*	-	
SPAN. PER.	Frankfurt ...	30.31	54	E	2	7	30.32	0	49	46	+2	NE	2	7	*	-	68	45	*	-	
	Munich ...	30.32	51	SE	2	7	30.31	-02	44	43	-3	SE	3	7	*	-	61	37	*	-	
	C. Gris Nez ...	30.21	61	NE	3	7	30.18	-09	59	53	+8	SE	3	7c	2	-	63	51	*	-	
	Brest ...	30.03	68	SE	2	7	30.02	-12	61	61	+1	S	1	0	1	-	73	60	*	0.04	
	Lorient ...	30.06	70	E	3	7	30.02	-11	60	60	+3	E	1	7	2	-	75	57	*	-	
	Rochefort ...	30.06	76	ESE	2	7	29.99	-14	61	59	+2	ESE	2	7	*	-	88	59	*	-	
	Biarritz ...	30.05	80	E	2	7	30.07	-07	67	67	+2	W	3	0	1	-	86	65	*	-	
	Paris ...	30.19	61	ENE	2	7	30.16	-11	52	50	+7	E	2	7	*	-	73	45	*	-	
	Belfort ...	30.20	57	ENE	5	m	30.19	-08	46	46	-1	NE	5	m	*	-	77	45	*	-	
	Lyons ...	30.22	65	N	1	7	30.17	-11	54	50	-1	N	1	7	*	-	73	52	*	-	
Nice ...	30.12	62	Z	0	7	30.13	-06	62	58	-3	Z	0	7	0	-	75	59	*	-		
Perpignan ...	30.13	67	NE	2	7	30.12	-09	62	62	0	W	2	0	*	-	75	55	*	-		
SPAN. PER.	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, 22<sup>nd</sup> SEPTEMBER, 1902.

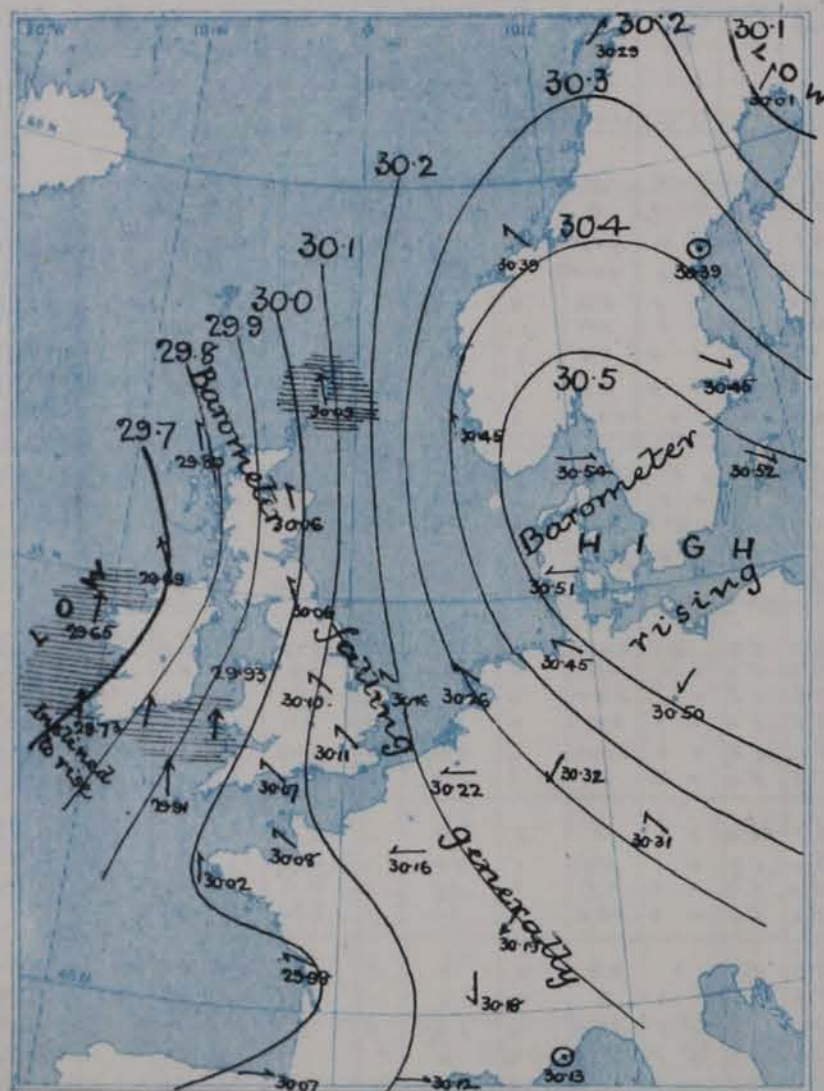
## I. BAROMETER, WIND AND SEA. This Morning.

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 [hatched] High [solid blue]

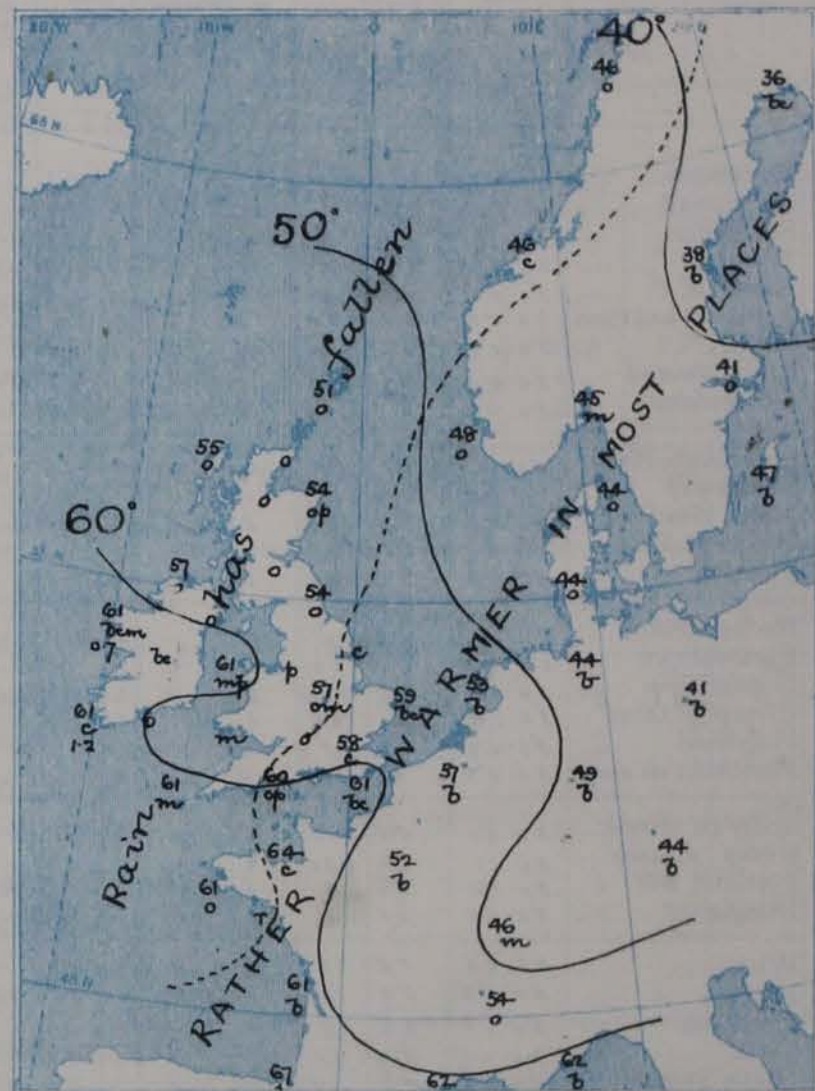


## II. TEMPERATURE AND WEATHER. This Morning.

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 SEPTEMBER. (1871-1900)



## 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 anticyclone whose central area now covers the Baltic & Scandinavia is increasing slowly in intensity while the low pressure systems over the Atlantic are encroaching more & more on our W<sup>ly</sup> districts, and a new disturbance has appeared over N<sup>th</sup> Europe. Readings at present vary from 30.56 ins. at Karlstad to 29.65 ins. at Blackrod 7<sup>th</sup> on the one hand, and to 30.01 ins. at Haparanda, on the other.

## WIND

## TEMPERATURE

## WEATHER

## AND

## SEA

S<sup>th</sup> winds of considerable strength are still prevalent on our W<sup>th</sup> and N<sup>th</sup> coasts (a gale at Blackrod 7<sup>th</sup>) and light to moderate SE<sup>ly</sup> breezes over the E<sup>th</sup> half of England, while SW<sup>ly</sup> to W<sup>ly</sup> winds are felt over Sweden, NE<sup>ly</sup> over Germany. Temperature has risen a little and varies from 62° at Parsonstown and 61° at Lillie to 51° in the N of Scotland, 41° at Berlin and 36° at Haparanda. It is much above the average in our W<sup>th</sup> districts, and slightly above in the S and E. In Scandinavia it is low. The weather is becoming more unsettled over our Islands and France than of late; showers are prevalent over the W<sup>th</sup> and SW<sup>th</sup> districts, and the appearance of the sky in London is not at all fair. The sea is rough in the W, slight in the S, moderate in the north.

During yesterday temperature rose to a maximum of 70° at Jersey, 69° in London and 66° to 68° over nearly the whole of the United Kingdom; it touched 86° at Biarritz, 88° at Rochefort. Rain fell heavily in the W of Ireland, and slightly in the W and N generally. Lunar halo was seen at Lymington and a Solar halo at Oxford.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbances in the W and SW are spreading E<sup>ward</sup> and showery thundery weather is likely to occur shortly over the greater part of England; showers (heavy in places) are still probable in the W and N.

## FORECASTS \*

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

### DISTRICTS.

### FORECASTS.

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

S<sup>th</sup> and SE<sup>ly</sup> winds, fresh: cloudy, showery, unsettled.

SE<sup>ly</sup> winds, moderate, close, possibly thundershowers, changeable.

### DISTRICTS.

### FORECASTS.

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

Varying SE<sup>ly</sup> to SW<sup>ly</sup> winds rising, changeable, local thunderstorms not improbable.

### 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.		Sun- shine. Hrs.	Rainfall Ins.
						Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	Sc	*	Sc	61	57	2.2	-
Newton Reigny (Penrith) ...	30.10	57	SE 2	0	29.97	54	52		SE 2	og	*	og r	60	50	0.3	0.09
Bath ... ..	30.13	64	E 2	Sc	30.06	60	57	+ 3	SE 1	0	*	-	69	56	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. ...	60	48	0c	0.1	0.15	Worthing ... ..	*	*	*	7.3	*
Birmingham, 9 p.m. ...	65	49	7	1.1	0.03	Llandudno ... ..	*	*	*	0.9	*
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	1.0	*
Hastings ... ..	*	*	*	3.7	*	Southport, 9 p.m. ...	64	52	0 r	0.0	0.03
Eastbourne up to 6 p.m. ...	*	*	*	8.8	*	Manchester, 9 p.m. ...	69	52	Sc	0.0	-
Brighton ... ..	*	*	*	7.0	*	Darwen, 7 p.m. ...	60	49	og	0.6	0.06

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

STATIONS. 21. Sept. 1902	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 20. IX. 02	TEMPERATURE, F. at 1 p.m.	WEATHER.	RAIN. (measured at 7 a.m.)
	Max.	Min.						
Marseilles ... ..	Not yet recd			Ins.	Geneva ... ..	59	6	—
Utrecht ... ..					Berne ... ..	61	6	—
Copenhagen ... ..					Lucerne ... ..	61	6	—
Prague ... ..					Lausanne ... ..	?	?	—
Vienna ... ..					Lugano ... ..	68	6	—
Buda-Pesth ... ..					Locarno ... ..	?	?	—
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.

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.	22. IX. 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 ... ..	5.40	11.46	5.52			
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	6.47	11.53	5.59			
France ... ..	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	5.57	12.5	6.12			
Spain ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia ... ..	6.28	12.34	6.40			
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 4d.) 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, 23<sup>rd</sup> September, 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.	Dirac.	Force (0 to 12.)	Weather.	At 82° 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.					
																			Ins.			Ins.	°
SCANDINAVIA.	Haparanda ...	30.30	37	N	2	7	30.38	+ .17	34	?	- 2	Z	0	0	*	-	52	32	*	-			
	Hernösand ...	30.43	42	Z	0	7	30.43	+ .04	41	40	+ 3	Z	0	f	*	-	57	34	*	-			
	Stockholm ...	30.46	48	W	2	7	30.45	.00	45	45	+ 4	WNW	2	7	*	-	55	37	*	-			
	Wisby ...	30.47	46	Z	0	7	30.47	- .05	49	47	+ 2	Z	0	7	*	-	52	36	*	-			
	Karlstad ...	30.51	45	SW	2	7	30.50	- .06	39	39	- 1	WSW	2	7	*	-	52	36	*	-			
	Färder (X'ania Fjord) ...	30.52	49	SSW	2	7	30.49	- .05	50	46	+ 5	SW	4	7	4	-	52	45	*	-			
	Bodö ...	30.38	46	SW	4	7	30.32	+ .03	48	44	+ 2	E	4	c	1	-	48	43	*	0.16			
	Christiansund ...	30.37	48	Z	0	c	30.33	- .07	48	46	+ 2	ESE	1	0	2	-	54	46	*	-			
Skudenes ...	30.42	50	SSE	6	7	30.35	- .10	50	45	+ 2	SE	6	c	4	7	54	48	*	-				
BRITISH ISLANDS.	Sumburgh Head ...	29.99	50	SSE	6	7	30.01	- .08	51	51	0	SSE	4	7	6	0, r	55	50	*	0.14			
	Stornoway ...	29.79	58	SSE	4	c	29.77	- .03	55	55	0	SSE	1	0	1	dp, c	61	54	0.7	0.11			
	Malin Head ...	29.76	65	SSW	6	7c	29.67	- .02	60	59	+ 3	S	5	cp	3	6c	67	55	*	0.02			
	Blacksod Pt. ...	29.76	58	SSW	5	mr	29.69	+ .04	53	52	- 8	WNW	2	rm	2	cm, rm	63	52	*	0.19			
	Valencia ...	29.78	61	S	3	cm	29.72	- .01	53	51	- 8	NW	4	rgm	6	c, cm	65	52	6.8	0.45			
	Roche's Point ...	29.85	61	S	3	0	29.69	- .14	60	59	0	SSE	2	c	2	0, p	64	57	*	0.17			
	Parsonstown ...	29.83	63	SE	4	0	29.68	- .10	60	59	- 2	SE	2	c	3	0, c, d	69	58	7.9	0.18			
	Donaghadee ...	29.90	60	SW	3	c	29.76	- .10	57	57	+ 1	SSW	3	and	3	-	64	55	*	0.53			
GERMANY, &c.	Liverpool Obsy. ...	30.00	61	SSE	2	0	29.83	- .16	58	56	+ 3	SE	1	op	9	om	62	55	*	0.06			
	Holyhead ...	29.96	60	S	1	cm	29.79	- .14	60	59	- 1	SE	2	c	2	fd, m, 2	61	58	*	0.61			
	Pembroke (St. Ann's) ...	29.95	60	S	2	m	29.76	- .18	60	59	+ 1	SSE	5	ogm	4	m, tp, f	61	57	0.0	0.76			
	Scilly (St. Mary's) ...	29.90	61	S	4	rf	29.74	- .17	60	60	- 1	S	3	m	4	f, r	64	60	0.8	0.51			
	Jersey (St. Aubins) ...	30.00	67	ENE	1	of	29.89	- .19	61	58	- 3	SE	4	orm	3	gpm, 2, r	70	60	2.5	0.08			
	Portland Bill ...	30.04	60	E	3	cp	29.85	- .22	60	59	0	ESE	2	p	2	r, cp	63	59	*	0.08			
	Dungeness ...	30.06	62	ENE	2	7c	29.97	- .18	60	58	- 1	SSE	4	7c	1	7c	68	58	*	-			
	Wick ...	29.95	55	SSE	4	0	29.92	- .07	54	53	+ 1	S	3	0	3	-	56	52	*	0.05			
FRANCE.	Nairn ...	29.91	60	Z	0	c	29.85	- .08	60	57	+ 3	SSW	3	c	1	-	64	55	*	0.03			
	Aberdeen ...	30.02	54	8	3	og	29.95	- .11	53	52	- 1	SE	4	ogt	5	ogt	54	52	0.0	0.50			
	Leith ...	29.96	63	S	1	0	29.86	- .12	57	55	+ 1	E	1	om	*	-	65	55	*	0.04			
	North Shields ...	30.05	56	SE	2	0	29.93	- .13	55	54	+ 1	SSE	2	or	2	op	57	54	*	0.07			
	Spurn Head ...	30.08	55	SE	5	c	29.95	- .18	57	56	+ 1	SE	4	7c	4	-	59	55	*	-			
	Yarmouth ...	30.13	60	ESE	4	7c	29.99	- .17	59	56	0	ESE	5	7	5	7c	61	55	*	-			
	Loughborough ...	30.06	63	SE	1	0	29.92	- .18	57	55	0	SE	2	7cm	*	c, om, p	68	55	*	0.03			
	Oxford ...	30.05	63	SE	1	0	29.89	- .20	59	55	0	SE	1	c	*	7c, or	71	57	*	0.03			
GERMANY, &c.	London (Brixton) ...	30.06	64	SSE	1	7c	29.92	- .19	58	55	0	SSE	1	0	*	c, 7c, 7c	77	55	3.8	-			
	The Scaw (Skagen) ...	30.54	49	SW	1	7	30.49	- .05	50	46	+ 6	S	3	7	0	-	54	44	*	-			
	Fanö ...	30.48	44	ESE	6	7	30.40	- .11	44	41	0	ESE	6	7	*	-	55	41	*	-			
	Cuxhaven ...	30.42	51	ESE	5	7	30.35	- .10	43	41	- 1	ESE	5	7	*	-	54	43	*	-			
	The Helder ...	*	*	*	*	*	30.06	- .16	53	48	- 4	SE	1	7	*	-	71	46	*	-			
	Brussels ...	*	*	*	*	*	30.47	- .03	42	38	+ 1	E	4	7	*	-	52	37	*	-			
	Berlin ...	30.50	48	NE	3	7	30.26	- .06	44	41	- 5	NE	1	7	*	-	68	41	*	-			
	Frankfurt ...	30.29	53	E	2	7	30.23	- .08	40	39	- 4	E	5	7	*	-	59	34	*	-			
FRANCE.	Munich ...	30.32	47	NE	6	7	30.23	- .08	40	39	- 4	E	5	7	*	-	59	34	*	-			
	C. Gris Nez ...	30.16	65	E	1	7c	30.00	- .18	55	51	- 4	SSE	5	c	2	-	75	54	*	-			
	Brest ...	29.97	61	SSE	1	0	29.82	- .20	61	61	0	SE	1	r	2	-	66	61	*	0.24			
	Lorient ...	29.98	64	ESE	1	0	29.88	- .14	64	63	+ 4	S	1	f	2	-	70	60	*	0.04			
	Rochefort ...	29.96	72	NE	2	c	29.92	- .07	65	64	+ 4	SSE	3	0	*	7c, c	79	57	*	0.47			
	Biarritz ...	30.02	68	ESE	1	0	29.98	- .09	67	67	0	ESE	2	7c	1	-	70	64	*	0.16			
	Paris ...	30.09	63	E	1	7	30.07	- .09	52	50	0	ESE	2	7	*	-	75	50	*	-			
	Belfort ...	30.10	59	ENE	4	m	30.11	- .08	48	46	+ 2	ENE	3	m	*	-	65	45	*	-			
SPAN. PEN.	Lyons ...	30.10	66	S	1	7	30.09	- .08	59	54	+ 5	SSW	1	7	*	-	75	53	*	-			
	Nice ...	30.12	62	Z	0	7c	30.14	+ .01	59	56	- 3	Z	0	c	?	-	73	57	*	-			
	Perpignan ...	30.07	68	S	2	c	30.05	- .07	66	64	+ 4	SE	3	c	*	-	75	55	*	-			
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 TUESDAY 23<sup>rd</sup> SEPTEMBER, 1902.

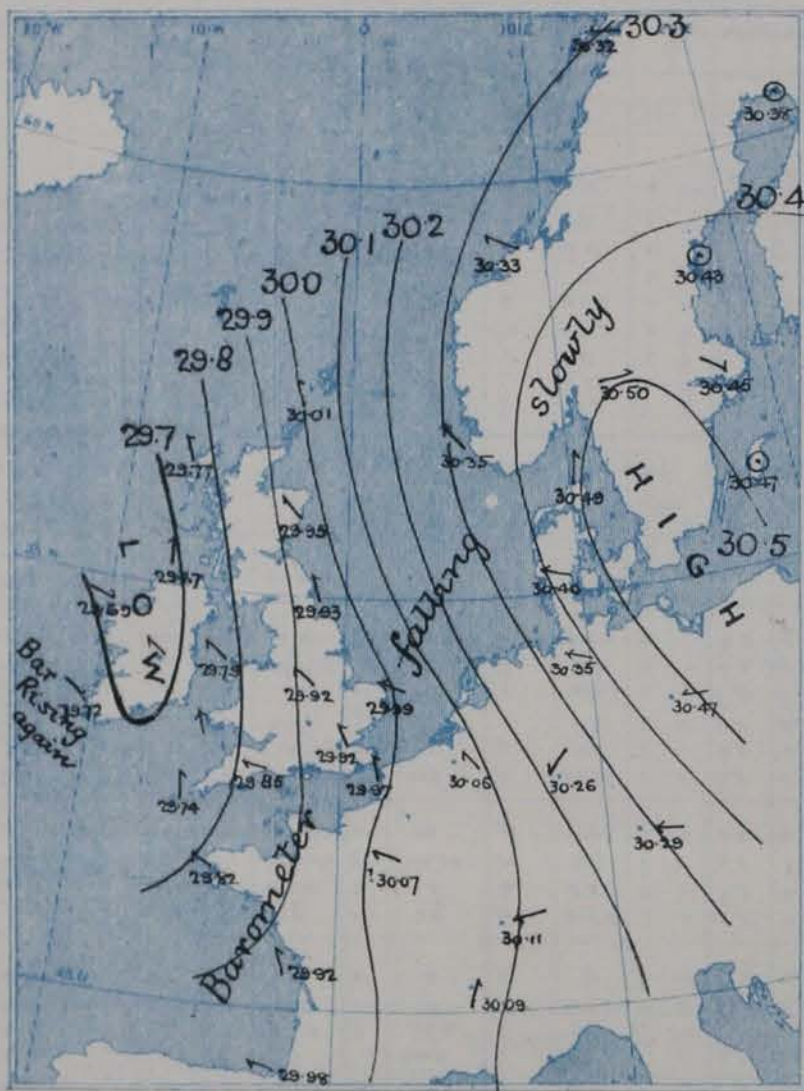
## I. BAROMETER, WIND AND SEA. *This Morning.*

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 [wavy line] High [solid line]

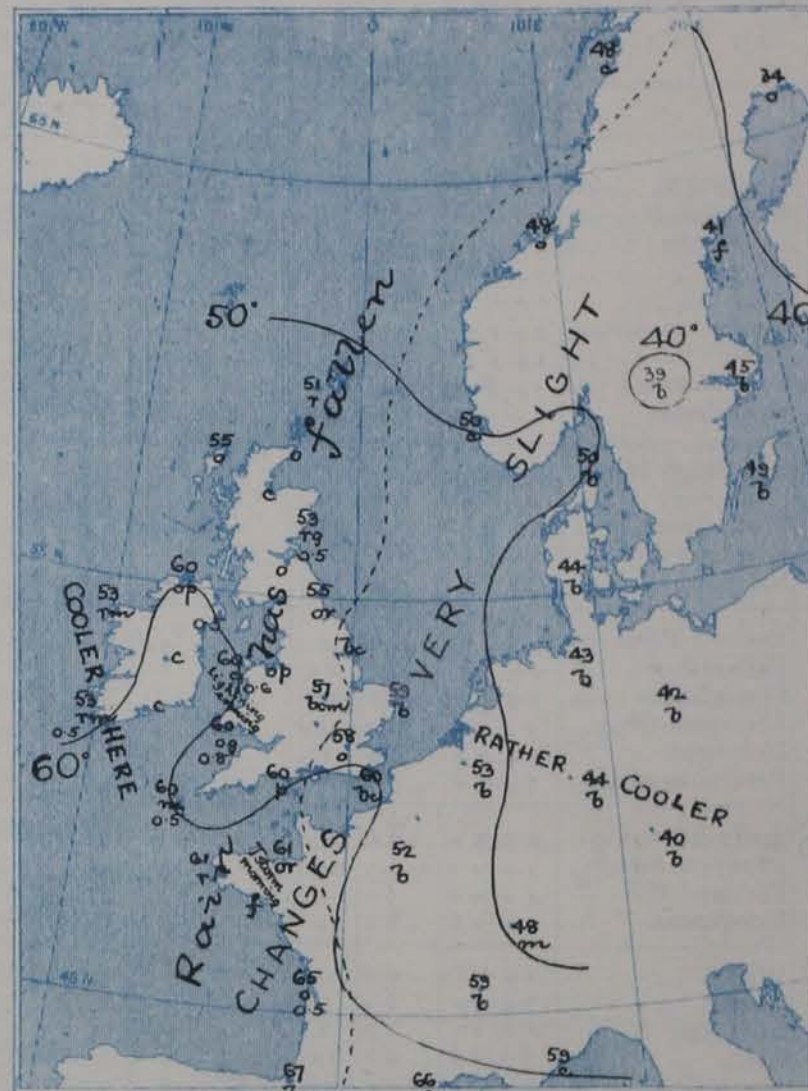


## II. TEMPERATURE AND WEATHER. *This Morning.*

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—(16)

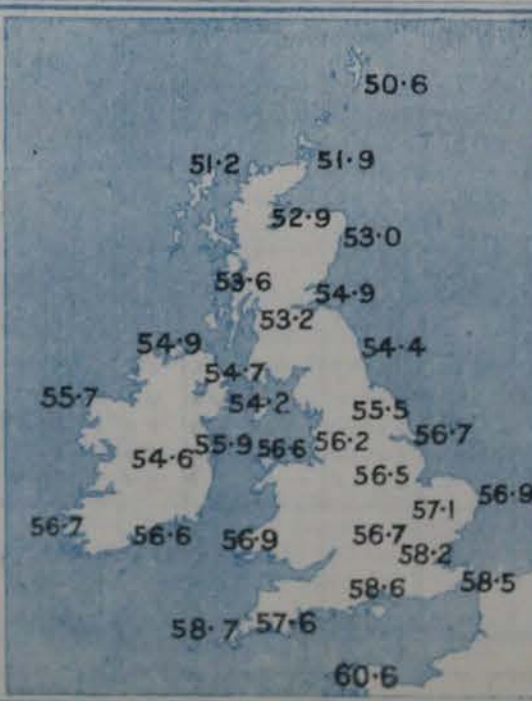


## III. BAROMETER AND WIND

*Yesterday morning.*



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



## 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

Barometrical pressure, though decreasing, remains highest over the Baltic and lowest in Ireland, this morning's readings ranging from 30.50 ins. at Karlsbad, to 29.68 ins. at Parsonstown. A "V" shaped depression is advancing over Ireland from the Westward, and both at Valencia and Blacksod <sup>pts</sup> the barometer has begun to rise.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind remains  $SE^{24}$  over the North Sea, but is more  $S^{24}$  over Great Britain and the Irish Sea, in the West of Ireland, however, it has shifted to  $NW$  during the night, but is not strong. Temperature has risen in France, but shows little change over Great Britain from that reported yesterday morning in the extreme West it has fallen decidedly. Readings in our Islands range from  $60^{\circ}$  along our South coast to  $51^{\circ}$  at Sumburgh  $H^d$ . In Great Britain they are much above the average, while in the West of Ireland the current and average values are about identical. Weather is cloudy and close, and in many places showery. Sea is rough at Sumburgh  $H^d$ , Valencia, and also at some Eastern stations.

During yesterday a maximum temperature of  $77^{\circ}$  was recorded in London,  $75^{\circ}$  at several continental stations, and  $79^{\circ}$  at Rochefort. Rain has again been general except in the East, at Aberdeen and in Wales the fall has been considerable. Thunder and lightning have occurred locally, and halos in places. Bright Sunshine has been greatest at our Western and extreme Southern stations.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The "V" shaped depression is moving Eastwards and very changeable showery weather is probable, some thunder in places and a great fall of temperature tomorrow.

## FORECASTS \*

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

### DISTRICTS.

### FORECASTS.

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

$SE^{24}$  or  $S^{24}$  winds, moderate to light, then very variable, perhaps  $NW^{24}$ , and temporarily colder, showery, possibly thunder.

### DISTRICTS.

### FORECASTS.

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

$SE^{24}$  or  $S^{24}$  winds, moderate to light, then very variable, perhaps  $NW^{24}$ , and temporarily colder, showery, possibly thunder.

$NW^{24}$  and variable winds; colder, changeable, some rain.

### 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 ... ..	*	*	*	*	*	*	*	*	*	3	*	3.80	63	58	8.8	-
Newton Reigny (Penrith) ...	29.99	60	20	m	29.84 - .13	58	56	+ 4	S 1	c	*	agm, r, c	61	54	0.0	0.11
Bath ... ..	30.01	65	S 1	r	29.85 - .21	60	57	0	E 1	0	*	-	68	57	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. ...	59	50	or	2.0	0.25	Worthing ... ..	*	*	*	5.6	*
Birmingham, 9 p.m. ...	65	52	0	0.0	0.09	Llandudno ... ..	*	*	*	1.0	*
Lowestoft, up to 6 p.m. ...	65	56	c	7.0	-	Rhyl up to 6 p.m. ...	*	*	*	0.5	*
Hastings ... ..	*	*	*	9.3	*	Southport, 9 p.m. ...	63	54	or	0.3	0.12
Eastbourne up to 6 p.m. ...	*	*	*	10.4	*	Manchester, 9 p.m. ...	67	55	or	0.0	0.19
Brighton ... ..	*	*	*	7.1	*	Darwen, 9 p.m. ...	60	52	omw	0.0	0.29

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.	°		
Marseilles ... ..				Ins.	Geneva ... ..				Ins.
Utrecht ... ..				-	Berne ... ..				
Copenhagen ... ..				-	Lucerne ... ..				
Prague ... .. <i>Not rec'd</i>				-	Lausanne ... ..				
Vienna ... ..	59	46	b c	-	Lugano ... ..				
Buda-Pesth ... ..	63	46	b c	-	Locarno ... ..				
St. Petersburg ... ..	61	32	o b	-					
Rome ... ..	78	57	b b	-					
Malta ... ..	79	53	? o	-					
Madeira (Funchal) <i>Not rec'd</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.

	23. IX. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..		h. m.	h. m.	h. m.
		5.41	11.45	5.49
Greenwich ... ..		5.40	11.52	5.56
Wick ... ..		5.59	12.4	6.9
Valencia ... ..		6.29	12.33	6.37

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 5 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 24<sup>th</sup> September, 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° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)			Max.	Min.				
																				Ins.	Ins.
SCANDINAVIA.	Haparanda ...	30.34	40	S	2	r	30.23	- .15	44	44	+ 10	Z	0	f	*	-	43	34	*	0.04	
	Hernösand ...	30.34	46	Z	0	b	30.29	- .14	42	41	+ 1	Z	0	f	*	-	54	36	*	-	
	Stockholm ...	30.45	46	SW	2	b	30.42	- .03	46	46	+ 1	SW	2	o	*	-	57	43	*	-	
	Wisby ...	30.45	44	Z	0	b	30.51	+ .04	46	44	- 3	Z	0	b	*	-	52	39	*	-	
	Karlstad ...	30.45	45	Z	0	b	30.45	- .05	38	37	- 1	SW	2	b, c	*	b, f	*	*	*	-	
	Færder (X'iania Fjord) ...	30.42	50	SSW	2	b	30.40	- .09	51	49	+ 1	ESE	2	c	1	-	52	34	*	-	
	Bodö ...	29.95	48	ESE	2	o	30.25	- .07	48	45	0	E	2	b, c	1	-	50	43	*	-	
	Christiansund ...	30.25	51	SE	1	c	30.16	- .17	52	45	+ 4	SE	1	b	2	-	54	48	*	-	
	Skudesnaes ...	30.23	53	SE	4	b	30.16	- .19	52	46	+ 2	SE	6	b	4	o, b	55	50	*	*	
BRITISH ISLANDS.	Sumburgh Head ...	29.89	51	SSE	4	o	29.79	- .22	51	51	0	SSE	4	m	6	o, p, o	52	51	*	0.02	
	Stornoway ...	29.64	58	Z	0	o	29.79	+ .02	50	49	- 5	N	3	c	3	p, o	60	48	0.2	0.35	
	Malin Head ...	29.59	55	WNW	3	r	29.92	+ .25	54	52	- 6	S	4	b	2	c, r	64	49	*	0.77	
	Blacksod Pt. ...	29.72	54	WSW	3	o	29.95	+ .26	56	52	+ 3	SW	4	b	3	o, r, m, c	56	49	*	0.25	
	Valencia ...	29.78	57	W	1	b, p	30.01	+ .29	49	48	- 4	ENE	1	c	4	c, b, p	59	46	4.0	0.18	
	Roche's Point ...	29.79	58	W	3	b, c	30.00	+ .31	59	57	- 1	NE	2	c	1	o, r, b, c	60	46	*	0.11	
	Parsonstown ...	29.75	51	W	2	c	30.01	+ .33	45	44	- 15	Z	0	b	*	c	62	38	0.3	0.10	
	Donaghadee ...	29.63	58	SW	2	o, d	29.99	+ .23	48	47	- 9	W	2	b	2	-	64	45	*	0.52	
	Liverpool Obsy. ...	29.73	57	SSE	3	c	30.06	+ .23	53	50	- 5	WSW	1	b	2	c, o, p	62	49	*	0.06	
	Holyhead ...	29.69	57	SSW	4	r, m	30.03	+ .24	55	53	- 5	SW	1	b, m	1	r, g, m	62	48	*	0.27	
GERMANY, &c.	Pembroke (St. Ann's) ...	29.74	57	W	6	c	30.02	+ .26	54	52	- 6	ENE	2	b, c, m	4	z, l, r, c	60	50	0.6	0.57	
	Scilly (St. Mary's) ...	29.86	59	WNW	4	c	29.93	+ .19	58	56	- 2	S	1	c, p	4	c, p, c	64	55	3.7	0.24	
	Jersey (St. Aubins) ...	29.91	65	W	4	c	30.10	+ .21	58	55	- 3	SW	1	b, m	1	r, m, p, w	68	50	2.3	0.23	
	Portland Bill ...	29.87	60	SSW	3	b, c	30.07	+ .22	59	55	- 1	SSW	2	b, c	2	c, b, c	63	55	*	0.15	
	Dungeness ...	29.89	63	W	3	o	30.09	+ .12	58	56	- 2	NNW	3	b	1	c, o	68	54	*	0.06	
	Wick ...	29.81	52	S	4	r	29.80	- .12	52	51	- 2	S	1	c	3	-	54	50	*	0.15	
	Nairn ...	29.69	58	SSE	3	c	29.86	+ .01	55	51	- 5	W	1	b, o	1	-	65	51	*	0.02	
	Aberdeen ...	29.82	53	SE	4	o, g, g	29.87	- .08	55	53	+ 2	W	2	c	4	o, g, g, r	55	52	0.0	0.05	
	Leith ...	29.71	59	ESE	1	r	29.94	+ .08	53	50	- 4	WSW	2	b, m	*	-	68	51	*	0.08	
	North Shields ...	29.77	55	ESE	4	o	29.98	+ .05	55	52	0	SW	2	b, c	2	o, p	59	52	*	0.01	
FRANCE.	Spurn Head ...	29.79	59	SE	5	c	30.01	+ .06	55	53	- 2	W	4	b, c	3	-	61	54	*	0.01	
	Yarmouth ...	30.01	58	SSW	W	c	30.01	+ .02	58	55	- 1	W	3	b, c	4	b, o	61	55	*	0.01	
	Loughborough ...	29.80	62	SSE	2	c	30.06	+ .14	50	49	- 7	WNW	2	b, c, m, w	*	c, o, p, b, o	66	48	*	0.02	
	Oxford ...	29.86	60	S	3	o	30.09	+ .20	51	50	- 8	WSW	1	b	*	o, r, b	64	47	*	0.01	
	London (Brixton) ...	29.86	64	SSW	2	c	30.08	+ .16	54	51	- 4	W	1	b	*	c, g, o, r, c, o	71	50	0.9	0.01	
	The Scaw (Skagen) ...	30.41	50	S	2	b	30.36	- .13	52	50	+ 2	SSE	3	c	1	-	55	50	*	-	
	Fanö ...	30.28	45	ESE	6	b	30.20	- .20	46	44	+ 2	ESE	5	b	*	-	57	43	*	-	
	Cuxhaven ...	30.21	52	SE	5	b	30.15	- .20	43	40	0	ESE	5	b	*	-	54	42	*	-	
	The Helder ...	29.96	56	SE	2	b	29.99	- .03	53	51	0	S	1	o	1	-	61	50	*	-	
	Brussels ...	*	*	*	*	*	30.07	+ .01	57	57	+ 4	NNW	1	r	*	-	70	53	*	0.43	
SPAN. PEN.	Berlin ...	30.34	48	SE	3	b	30.31	- .16	41	38	- 1	SE	4	b	*	-	54	37	*	-	
	Frankfurt ...	30.14	52	E	2	b	30.15	- .11	48	44	+ 4	E	2	b, c	*	-	66	45	*	-	
	Munich ...	30.19	46	SE	1	b	30.18	- .05	45	45	+ 5	Z	0	f	*	-	57	39	*	-	
	C. Gris Nez ...	29.92	65	S	4	o	30.07	+ .07	60	58	+ 5	WSW	3	o	2	-	75	55	*	0.32	
	Brest ...	29.97	61	WNW	3	b	30.03	+ .21	55	53	- 6	SW	2	o	3	-	64	54	*	0.79	
	Lorient ...	29.96	63	W	4	b, c	30.08	+ .20	60	55	- 4	SW	5	o	4	-	68	58	*	0.08	
	Rochefort ...	30.01	67	W	4	o	30.13	+ .21	62	58	- 3	W	2	b, c	*	-	70	59	*	0.28	
	Biarritz ...	30.14	64	SW	4	r	30.22	+ .24	62	59	- 5	SW	3	o	3	-	75	60	*	0.47	
	Paris ...	29.96	67	SW	2	o	30.10	+ .03	58	58	+ 6	W	1	o	*	-	76	52	*	0.32	
	Belfort ...	30.04	59	ENE	2	m	30.12	+ .01	53	51	+ 5	WSW	2	m	*	-	68	48	*	-	

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 24<sup>th</sup> SEPTEMBER, 1902.

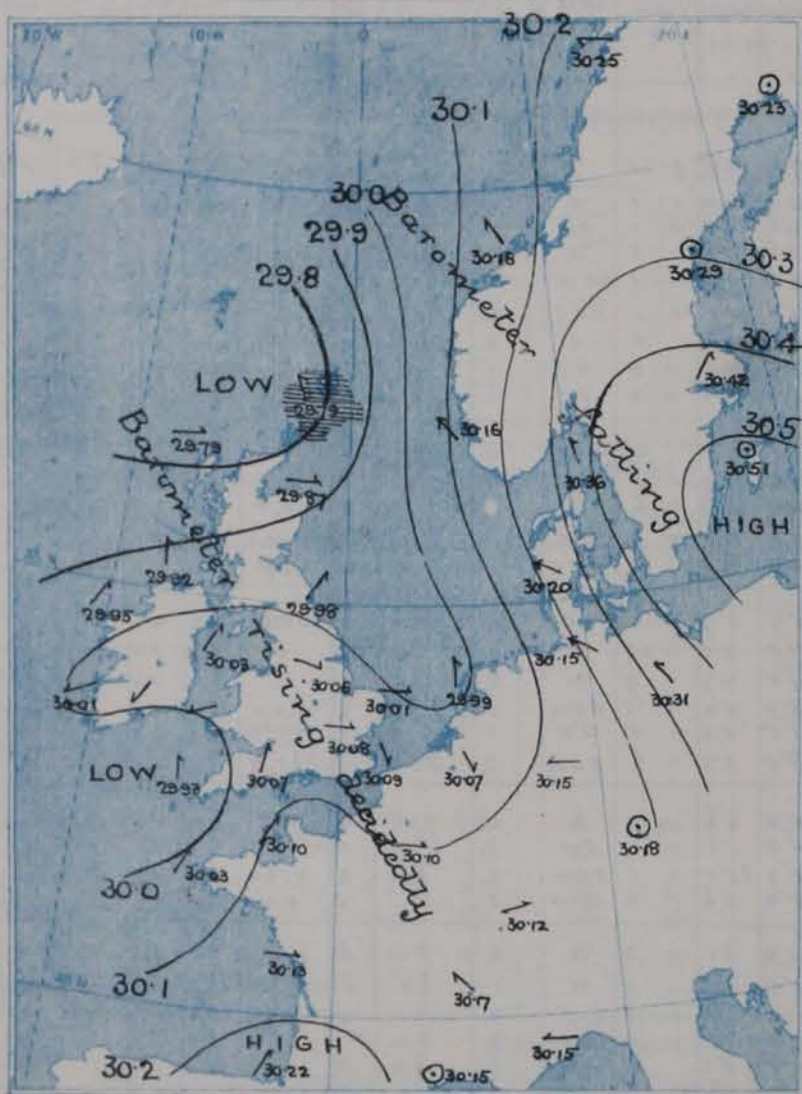
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

WIND—Arrows show Direction 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

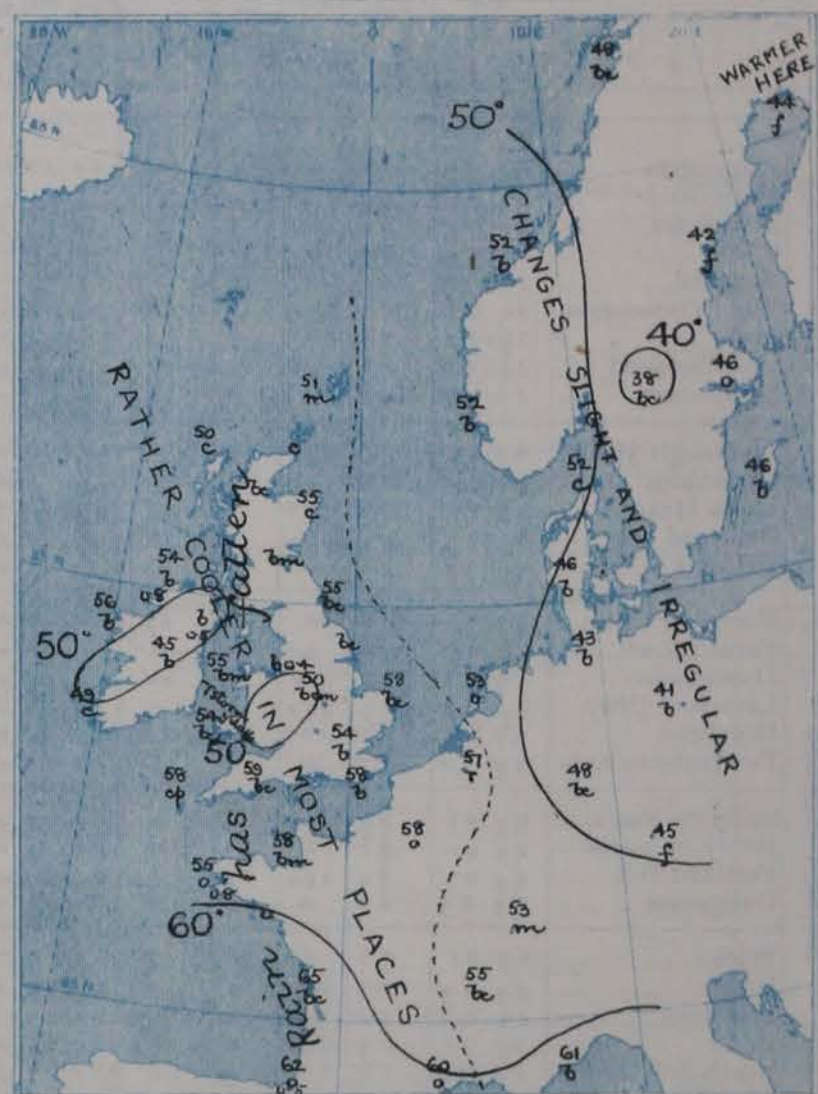


## II. TEMPERATURE AND WEATHER. *This Morning.*

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 SEPTEMBER. (1871-1900)



## 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 Anticyclone over the Baltic and Eastern parts of the North Sea is moving very slowly to the Eastward. The depression noticed in the West yesterday has moved North-eastward to the Shetlands and a new shallow disturbance has appeared off the mouth of the Bristol Channel. Readings vary from 30.51 ins. at Wisley to 29.79 ins. at Lumburgh 14<sup>th</sup> and Stornoway, and to 29.93 ins. at Scilly. The barometer is now rising except in the far North and to the Eastward of the North Sea.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is W<sup>ly</sup> and SW<sup>ly</sup>, moderate, on our Northern coasts, and SE<sup>ly</sup> in the West of Norway; over the Southern half of the kingdom it is very light in force, and variable in direction, while on the Eastern shores of the North Sea it is rather strong from SE. Temperature has gone down over the United Kingdom generally — as much as 15° at Parsonstown and 14° at Bath. It now ranges from 59° at Portland Bill and 55° at Aberdeen to 49° at Valencia, 45° at Parsonstown and 41° at Berlin; in Ireland it is below the average, but everywhere it is changing fitfully. The weather is fine except at Scilly, but over London sprays of cirrus cloud are moving fast from the South. Sea is moderate to smooth.

During yesterday the highest of the maximum temperatures recorded were 71° in London and 76° at Paris; at our extreme Western and Northern stations the maxima were below 60°. Rain again fell in most places, heavily in the extreme West and Southwest. Bright Sunshine amounted to 9 hrs. at Lowestoft, but was much less elsewhere; at Aberdeen there was none.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

With such complex and varying conditions it is almost impossible to forecast the coming weather, but the present indications for Great Britain are favourable.

## FORECASTS \*

For the 24 hours ending at NOON on 25<sup>th</sup> SEPT<sup>r</sup> 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> to S<sup>ly</sup> breezes, rather fresh: showers in north, fine elsewhere.

Very Variable breezes, fair as a whole.

### 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.

Variable airs and S<sup>ly</sup> breezes; fine to showery, warmer.

SW<sup>ly</sup> and S<sup>ly</sup> winds, light to moderate; fine to showery.

### 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 ... ..	*	*	*	*	*	*	*	*	*	*	z	*	z, c	62	54	0.3	-
Newton Reigny (Penrith)	29.68	57	SE 3	r	29.98	+ .14	51	50	- 7	WSW 1	z c	*	c, o, z	64	49	2.6	0.19
Bath ... ..	29.81	61	SW 3	z c	30.09	+ .24	46	46	- 14	W 1	z	*	-	64	42	0.7	0.09

## 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. ...	63	55	o c	1.0	0.18	Worthing ... ..	*	*	*	2.0	*
Birmingham, 9 p.m. ...	62	55	o	0.6	0.08	Llandudno ... ..	*	*	*	1.6	*
Lowestoft, up to 6 p.m. ...	62	57	c	9.0	-	Rhyl up to 6 p.m. ...	*	*	*	1.0	*
Hastings ... ..	*	*	*	4.2	*	Southport, 9 p.m. ...	64	57	o p, z c	0.7	0.15
Eastbourne up to 6 p.m. ...	*	*	*	4.2	*	Manchester, 9 p.m. ...	74	58	o r	0.3	0.13
Brighton ... ..	*	*	*	3.7	*	Darwen, 9 p.m. ...	65	54	o m w	1.0	0.42

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

STATIONS. 25. IX. 02.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 22. IX. 02.	TEMPERATURE, F. at 1 p.m.		WEATHER.	RAIN. (measured at 7 a.m.)
	Max.	Min.				°	°		
Marseilles ... ..	73	57	z b	Ins.	Geneva ... ..	61	62	Ins.	Ins.
Utrecht ... ..	66	46	c	Ins.	Berne ... ..	55	o	Ins.	Ins.
Copenhagen ... ..	50	41	b	Ins.	Lucerne ... ..	55	o	Ins.	Ins.
Prague ... ..	57	36	b	Ins.	Lausanne ... ..	?	?	Ins.	Ins.
Vienna ... ..	57	39	b	Ins.	Lugano ... ..	70	b	Ins.	Ins.
Buda-Pesth ... ..	59	43	b	Ins.	Locarno ... ..	?	?	Ins.	Ins.
St. Petersburg ... ..	46	30	c	Ins.					
Rome ... ..	77	58	b	Ins.					
Malta ... ..	70	70	?	Ins.					
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.

24. IX. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.43	11.45	5.47
Greenwich ... ..	5.50	11.52	5.54
Wick ... ..	6.1	12.4	6.6
Valencia ... ..	6.31	12.33	6.35

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

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

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

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



# DAILY WEATHER REPORT

for 8 a.m. on *Thursday, 25<sup>th</sup> September, 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° 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	30.30	41	Z	0	8	30.22	-0.01	41	41	-3	SSW	2	f	*	52	39	*	-		
	Hernösand	30.21	39	Z	0	f	30.24	-0.05	35	35	-7	Z	0	f	*	52	39	*	-		
	Stockholm	30.40	47	W	2	8	30.41	-0.01	48	46	+2	Z	0	8	*	59	41	*	-		
	Wisby	30.45	48	Z	0	8	30.45	-0.06	47	45	+1	Z	0	8	*	54	39	*	-		
	Karlstad	30.38	44	NE	2	8	30.40	-0.05	37	37	-1	WSW	2	f	*	52	46	*	-		
	Færder (X'ania Fjord)	30.37	51	E	1	8	30.38	-0.02	46	45	-5	NNE	2	c	4	52	46	*	-		
	Bodö	30.12	47	Z	0	8	30.15	-0.10	48	46	0	WSW	6	o	3	55	42	*	-		
	Christiansund	30.20	48	SE	1	c	30.27	+0.11	48	45	-4	SE	1	o	2	61	43	*	-		
BRITISH ISLANDS.	Skudesnaes	30.23	54	SE	6	8c	30.33	+0.17	53	49	+1	S	2	o	3	57	52	*	-		
	Sumburgh Head	30.04	51	WSW	1	8	30.16	+0.37	51	50	0	S	1	8w	5	52	46	*	0.01		
	Stornoway	29.99	55	SSW	4	8c	30.08	+0.29	55	54	+5	WSW	4	o	4	60	49	8.7	0.01		
	Malin Head	30.09	57	SW	2	8	30.23	+0.31	56	56	+2	SW	4	df	3	62	51	*	0.01		
	Blacksod Pt.	30.09	57	SSW	4	7	30.27	+0.32	58	57	+2	SW	4	om	4	61	56	*	0.28		
	Valencia	30.19	58	W	1	8c	30.35	+0.34	56	55	+7	SE	1	om	4	60	48	7.5	0.01		
	Roche's Point	30.17	58	ESE	1	8	30.38	+0.38	58	53	-6	NNW	1	f	1	61	48	*	0.02		
	Parsonstown	30.15	60	S	1	8c	30.35	+0.34	51	50	+6	SSE	1	c	*	64	43	8.9	-		
GERMANY, &c.	Donaghadee	30.15	57	SSW	3	8	30.31	+0.32	53	52	+5	SSW	2	r	1	62	48	*	0.06		
	Liverpool Obsy.	30.19	55	N	1	8	30.39	+0.33	51	49	-2	SE	1	8	1	60	43	*	-		
	Holyhead	30.18	55	Z	0	8	30.36	+0.33	57	55	+2	SW	1	8w	1	61	47	*	-		
	Pembroke (St. Ann's)	30.15	59	SE	1	8c	30.36	+0.34	53	50	-1	NE	2	8mw	2	62	50	10.5	-		
	Scilly (St. Mary's)	30.14	57	ENE	1	8c	30.33	+0.40	56	53	-2	E	1	8w	3	65	53	9.1	0.03		
	Jersey (St. Aubins)	30.14	58	ESE	4	og	30.34	+0.24	59	56	+1	NNE	3	8	3	63	55	4.9	0.14		
	Portland Bill	30.18	57	ESE	2	8	30.37	+0.30	55	50	-4	NE	2	8m	1	63	50	*	-		
	Dungeness	30.14	60	W	3	c	30.35	+0.26	52	52	-6	NNE	3	m	1	67	45	*	-		
FRANCE.	Wick	30.07	56	S	2	8c	30.16	+0.26	53	52	+1	S	3	8c	2	62	46	*	0.01		
	Nairn	30.05	56	W	1	8	30.17	+0.31	55	52	0	W	1	8c	1	64	41	*	-		
	Aberdeen	30.10	52	ESE	2	8	30.23	+0.36	54	51	-1	SSW	2	8cw	2	63	39	4.2	-		
	Leith	30.13	57	SW	2	8	30.29	+0.35	52	50	-1	Z	0	cm	*	62	39	*	-		
	North Shields	30.13	59	W	2	8c	30.34	+0.36	49	46	-6	SW	2	m	2	64	42	*	-		
	Spurn Head	30.17	60	E	1	8c	30.35	+0.34	52	50	-3	NW	2	f	2	64	48	*	-		
	Yarmouth	30.12	59	N	2	8c	30.33	+0.32	54	52	-4	NW	2	8w	3	61	47	*	-		
	Loughborough	30.17	57	WNW	1	c	30.40	+0.34	37	37	-13	SE	1	fw	*	65	35	*	-		
SPAN. PEN.	Oxford	30.22	51	Z	0	m	30.41	+0.32	44	43	-7	NW	1	8fw	*	66	39	*	-		
	London (Brixton)	30.17	59	Z	0	c	30.27	+0.29	47	46	-7	Z	0	8m	*	64	42	7.8	-		
	The Scaw (Skagen)	30.32	54	SSE	3	8	30.36	0.00	53	50	+1	SSE	2	o	0	55	52	*	-		
	Fanö	30.23	46	E	2	8	30.29	+0.09	46	45	0	E	2	8c	*	57	43	*	-		
	Cuxhaven	30.16	55	SE	3	8	30.25	+0.10	46	44	+3	SSE	2	c	*	59	43	*	-		
	The Helder	30.11	57	Z	0	c	30.26	+0.27	56	55	+3	NNW	1	o	0	61	52	*	-		
	Brussels	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-		
	Berlin	30.25	53	SE	1	8	30.31	0.00	46	44	+5	SE	1	8	*	61	41	*	-		
SPAN. PEN.	Frankfurt	30.15	56	S	2	8	30.24	+0.09	53	50	+5	E	1	8c	*	70	48	*	-		
	Munich	30.21	51	NE	1	8	30.27	+0.09	45	45	0	SW	2	f	*	59	39	*	-		
	C. Gris Nez	30.19	59	WNW	2	8	30.20	+0.23	57	54	-3	NNE	3	8c	3	70	56	*	-		
	Brest	30.20	59	NNW	1	8	30.32	+0.29	51	51	-4	NE	1	8	1	63	50	*	-		
	Lorient	30.12	62	NNW	1	c	30.29	+0.21	52	52	-8	E	3	o	3	66	51	*	0.12		
	Rochefort	30.13	63	SW	4	c	30.21	+0.08	56	55	-6	ENE	2	c	*	70	50	*	0.20		
	Biarritz	30.26	65	WSW	4	8c	30.28	+0.06	59	58	-3	SSW	4	r	4	70	55	*	0.91		
	Paris	30.16	60	NNE	1	o	30.28	+0.18	54	53	-4	NNE	2	o	*	68	50	*	-		
SPAN. PEN.	Belfort	30.08	61	Z	0	m	30.20	+0.08	54	54	+1	WSW	3	r	*	70	53	*	0.04		
	Lyons	30.21	57	NN	1	r	?	?	53	52	-2	NNW	1	c	*	70	51	*	0.32		
	Nice	30.14	61	E	2	8c	30.16	+0.01	62	55	+1	Z	0	o	1	68	57	*	0.04		
	Perpignan	30.17	64	NE	2	o	30.23	+0.08	59	55	-1	W	2	o	*	71	58	*	0.08		
SPAN. PEN.	Corunna																	*	-		
	Lisbon																	*	-		
	Azores (P. Delgada)																	*	-		

ERRATUM:- The sunshine value for Clacton-on-Sea in the Report of the 22<sup>nd</sup> inst. should have been 5.8 hrs. not 2.2 hrs.

\* Observations for this column not generally received.

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



# WEATHER CHARTS

FOR THURSDAY, 25<sup>TH</sup> SEPTEMBER, 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 ☉

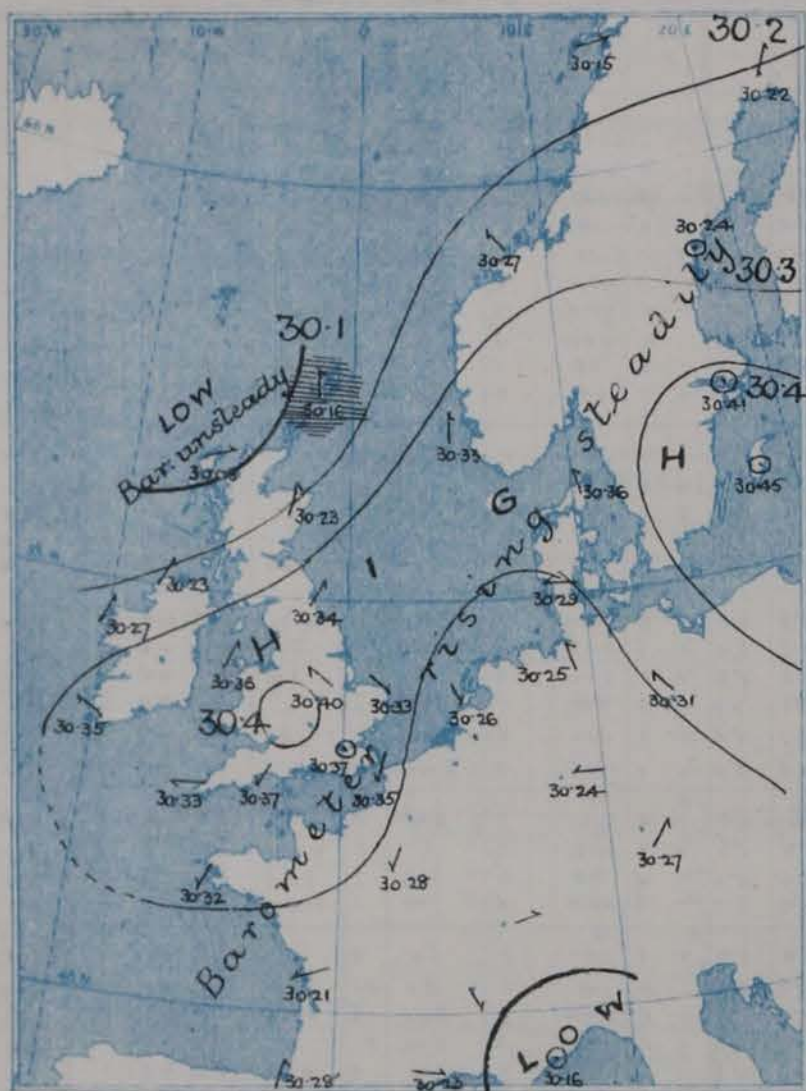
Force 8 to 10 →

Force 1 to 4 →

SEA—Rough

High

Low



## 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

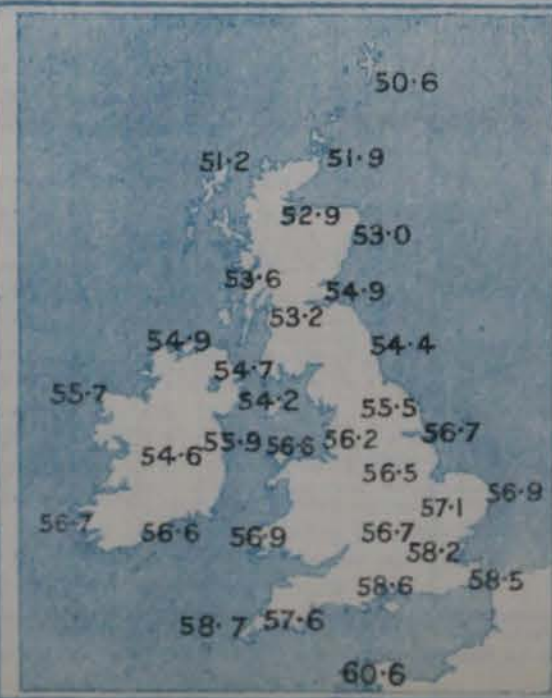


## III. BAROMETER AND WIND

*Yesterday morning.*



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



## 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

Since yesterday the barometer has risen in all parts of our own Islands as well as over the North Sea and France, but fallen over Sweden and the Baltic, and this morning's readings range from 30.45 ins. at Wisley and 30.41 ins. at Oxford, to 30.08 ins. at S. tornoway on the one hand and to 30.16 ins. at Nice on the other.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is still SW<sup>24</sup> and moderate at our northwestern and northern stations; mainly NE<sup>24</sup> and light in the English Channel, light and extremely variable elsewhere, calm in several places. Temperature has fallen fast over England during the night; it now ranges from 37° at Loughborough and 42° both at Bath and Newton Reigny to 58° at Blackstock Pt., 56° at Valencia, Scilly, and Malin H<sup>2</sup>. The 8 am. readings are below the average at our inland stations, above it elsewhere, especially in the north. Weather is dull and wet in the north of Ireland, dull at the northwestern stations and in some parts of France, fine or foggy over England and in Sweden. Sea is moderate in the west and north, slight elsewhere.

During yesterday the maximum temperatures recorded exceeded 60° all over the United Kingdom but the night minima were very low indeed (35° in the shade at Loughborough). A little rain fell yesterday in the extreme southwest, west and north, and also in the southwest and south of France. Bright sunshine varied from 11 hrs at Rhyl and Llandudno and 10.5 hrs at Pembroke to 3.7 hours at Lowestoft.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A little rain is probable with the SW<sup>24</sup> wind in the extreme north and northwest of our Islands, fog or bright weather elsewhere, with cold nights and warm days.

## FORECASTS \*

For the 24 hours ending at NOON on 26<sup>th</sup> SEPT. 1902

### DISTRICTS.

### FORECASTS.

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

SW<sup>24</sup> winds, moderate; very slight rain.

Very variable airs and calms; fine and warm in daytime, cold and hazy or foggy at night.

### DISTRICTS.

### FORECASTS.

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

Same as N<sup>o</sup> 0.



Same as N<sup>os</sup> 1 to 5.

Same as N<sup>o</sup> 0.

Variable airs; fine, hazy in night.

### 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.	Hrs. Ins.
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	3w	*	3, 3c	64	46	8.7 -
Newton Reigny (Penrith) ...	30.14	51	w 1	3	30.32 +.34	42	41	- 9	z 0	3	*	3w	63	34	10.0 -
Bath ... ..	30.16	57	sw 1	3	30.40 +.31	42	42	- 4	s 1	f	*	-	66	36	8.5 -

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	63	48	3c	7.3	0.06	Worthing ... ..	*	*	*	10.3	*
Birmingham, 9 p.m. ...	62	46	3	6.7	-	Llandudno ... ..	*	*	*	11.0	*
Lowestoft, up to 6 p.m. ...	61	54	c	3.7	0.02	Rhyl up to 6 p.m. ...	*	*	*	11.0	*
Hastings ... ..	*	*	*	8.6	*	Southport, 9 p.m. ...	62	47	3c	9.5	-
Eastbourne up to 6 p.m. ...	*	*	*	9.2	*	Manchester, 9 p.m. ...	?	47	3m	6.8	-
Brighton ... ..	*	*	*	10.0	*	Darwen, 9 p.m. ...	61	44	3vw	8.9	-

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

STATIONS. 24. IX. 02.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 23. IX. 02.	TEMPERATURE, F. at 1 p.m.		WEATHER. 1 p.m.	RAIN. (measured at 7 a.m.)
	Max.	Min.				°	°		
Marseilles ... ..	79	55	6, o.	Ins.	Geneva ... ..	64		6	Ins.
Utrecht ... ..	66	46	c c	-	Berne ... ..	63		m	-
Copenhagen ... ..	52	46	6 6c	-	Lucerne ... ..	61		6	-
Prague ... ..	59	39	6 6	-	Lausanne ... ..	?		?	-
Vienna ... ..	57	41	6 6	-	Lugano ... ..	59		o	-
Buda-Pesth ... ..	57	41	6 6	-	Locarno ... ..	?		?	-
St. Petersburg ... ..	50	32	6 c	-					
Rome ... ..	77	57	6 c	-					
Malta ... ..	78	72	? o	-					
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.

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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.	25. IX. 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.		h. m.	h. m.	h. 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.	Yarmouth ... ..	5.45	11.45	5.45
Spain ... ..	9 a.m. (San Fernando)	9.25 a.m.		6 p.m. (San Fernando)	6.25 p.m.	Greenwich ... ..	5.52	11.52	5.52
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.				Wick ... ..	6.4	12.4	6.3
						Valencia ... ..	6.33	12.33	6.33

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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, 26<sup>th</sup> September, 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	30.10	41	W	2	0	30.04	-0.18	41	40	0	W	2	0	0	-	45	37	*	-		
	Hernösand	30.25	41	N	0	0	30.19	-0.05	42	42	+7	N	0	0	0	-	50	34	*	-		
	Stockholm	30.38	45	N	0	0	30.32	-0.09	46	46	-2	WSW	2	0	0	-	59	41	*	-		
	Wisby	30.47	47	N	0	0	30.39	-0.06	47	45	0	S	2	0	0	-	54	39	*	-		
	Karlstad	30.38	46	N	0	0	30.35	-0.05	45	45	+8	SW	2	0	0	-	5	5	*	-		
	Färder (X'ania Fjord)	30.36	51	SSW	2	0	30.34	-0.04	46	46	0	WSW	1	0	1	-	54	46	*	-		
	Bodö	30.05	48	WSW	4	0	29.98	-0.17	48	46	0	SW	2	0	2	-	52	43	*	0.20		
	Christiansund	30.25	48	N	0	0	30.20	-0.07	46	44	-2	W	5	0	3	-	52	45	*	0.16		
BRITISH ISLANDS.	Skudesnaes	30.37	52	SSW	2	0	30.38	+0.05	52	52	-1	SSW	2	0	2	0	57	50	*	-		
	Sumburgh Head	30.17	52	W	4	0	30.24	+0.08	54	54	+3	W	4	0	5	0	55	48	*	0.04		
	Stornoway	30.24	56	W	1	0	30.29	+0.21	56	55	+1	SW	4	0	4	0	58	54	0.1	0.22		
	Malin Head	30.35	57	S	2	0	30.39	+0.16	55	54	-1	S	4	0	2	0	59	53	*	0.03		
	Blacksod Pt.	30.34	59	SSW	4	0	30.37	+0.10	58	55	0	S	4	0	3	0	60	57	*	-		
	Valencia	30.40	59	S	1	0	30.40	+0.05	58	56	+2	SSE	3	0	4	0	62	56	0.0	0.01		
	Roche's Point	30.43	58	S	1	0	30.45	+0.07	59	57	+6	S	1	0	2	0	59	52	*	0.01		
	Parsonstown	30.40	59	SE	1	0	30.44	+0.09	53	52	+2	SE	1	0	0	0	64	47	2.3	-		
GERMANY, &c.	Donaghadee	30.40	59	W	1	0	30.46	+0.15	53	53	0	W	1	0	1	0	60	46	*	0.06		
	Liverpool Obsy.	30.43	57	WNW	1	0	30.50	+0.11	51	49	0	SSE	1	0	0	0	62	49	*	-		
	Holyhead	30.42	57	SW	1	0	30.47	+0.11	56	54	-1	E	1	0	1	0	62	51	*	-		
	Pembroke (St. Ann's)	30.42	56	NNW	3	0	30.47	+0.11	53	50	0	NE	3	0	2	0	63	51	8.8	-		
	Scilly (St. Mary's)	30.42	59	NE	1	0	30.43	+0.10	58	55	+2	E	1	0	2	0	65	53	10.8	-		
	Jersey (St. Aubins)	30.39	63	NE	3	0	30.44	+0.10	58	54	-1	NE	2	0	2	0	66	50	10.5	-		
	Portland Bill	30.43	60	NW	1	0	30.48	+0.11	56	52	+1	N	2	0	1	0	64	50	*	-		
	Dungeness	30.40	59	ESE	3	0	30.46	+0.11	54	53	+2	NE	3	0	1	0	64	41	*	-		
FRANCE.	Wick	30.27	56	SW	2	0	30.34	+0.18	55	54	+2	SW	2	0	1	0	57	51	*	0.12		
	Nairn	30.28	56	W	1	0	30.35	+0.18	55	55	0	W	1	0	1	0	63	50	*	0.14		
	Aberdeen	30.28	57	SW	1	0	30.39	+0.16	57	54	+3	SW	1	0	1	0	62	48	3.7	0.03		
	Leith	30.33	58	WSW	2	0	30.44	+0.15	57	55	+5	WSW	1	0	1	0	60	45	*	-		
	North Shields	30.34	59	SSW	2	0	30.46	+0.12	57	54	+8	SW	2	0	2	0	65	44	*	-		
	Spurn Head	30.37	58	SW	2	0	30.47	+0.12	55	53	+3	W	1	0	1	0	62	50	*	-		
	Yarmouth	30.38	60	NNE	1	0	30.44	+0.11	51	49	-3	NW	1	0	2	0	62	45	*	-		
	Loughborough	30.41	56	N	0	0	30.51	+0.11	39	39	+2	N	0	0	0	0	69	37	*	-		
SPAN. PEN.	Oxford	30.45	51	N	1	0	30.51	+0.10	41	41	-3	N	0	0	0	0	68	38	*	-		
	London (Brixton)	30.40	57	NE	1	0	30.48	+0.11	44	44	-3	N	0	0	0	0	67	42	5.6	-		
	The Scaw (Skagen)	30.36	54	SW	1	0	30.36	0.00	49	49	-4	W	1	0	0	0	55	48	*	-		
	Fanö	30.36	48	WNW	1	0	30.43	+0.14	48	48	+2	NW	2	0	0	0	59	43	*	-		
	Cuxhaven	30.31	55	NW	1	0	30.40	+0.15	53	51	+7	N	1	0	0	0	57	46	*	-		
	The Helder	30.39	55	NNE	2	0	30.43	+0.17	55	54	-1	NNE	1	0	1	0	57	52	*	-		
	Brussels	30.33	54	SE	1	0	30.47	+0.08	47	45	+1	SE	1	0	0	0	64	45	*	-		
	Berlin	30.29	60	NE	2	0	30.36	+0.12	55	53	+2	ENE	2	0	0	0	72	53	*	-		
SPAN. PEN.	Frankfurt	30.31	53	NE	2	0	30.35	+0.08	46	45	+1	SE	2	0	0	0	61	43	*	-		
	Munich	30.31	53	NE	2	0	30.35	+0.08	46	45	+1	SE	2	0	0	0	61	43	*	-		
	C. Gris Nez	30.39	58	NNE	4	0	30.41	+0.11	58	56	+1	NNE	4	0	4	0	64	54	*	-		
	Brest	30.00	60	NE	2	0	30.43	+0.11	53	52	+2	NE	2	0	2	0	68	51	*	-		
	Lorient	30.28	63	NE	3	0	30.40	+0.11	55	54	+3	ENE	4	0	4	0	68	50	*	-		
	Rochefort	30.26	63	NE	3	0	30.29	+0.08	56	55	0	NNE	4	0	0	0	7	7	*	-		
	Biarritz	30.28	63	N	3	0	30.28	0.00	58	57	-1	NE	2	0	3	0	66	55	*	0.08		
	Paris	30.34	59	NE	3	0	30.38	+0.10	56	55	+2	NNE	2	0	0	0	64	56	*	-		
SPAN. PEN.	Belfort	30.22	58	N	0	0	30.28	+0.08	51	51	-3	ENE	4	0	0	0	62	48	*	0.20		
	Lyons	30.26	58	NNW	1	0	30.25	-0.05	57	56	+4	N	1	0	0	0	65	53	*	-		
	Nice	30.15	61	E	1	0	30.10	-0.06	63	51	+1	ENE	2	0	6	0	64	59	*	-		
	Perpignan	30.21	64	W	3	0	30.15	-0.08	57	55	-2	W	3	0	0	0	64	53	*	0.71		
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

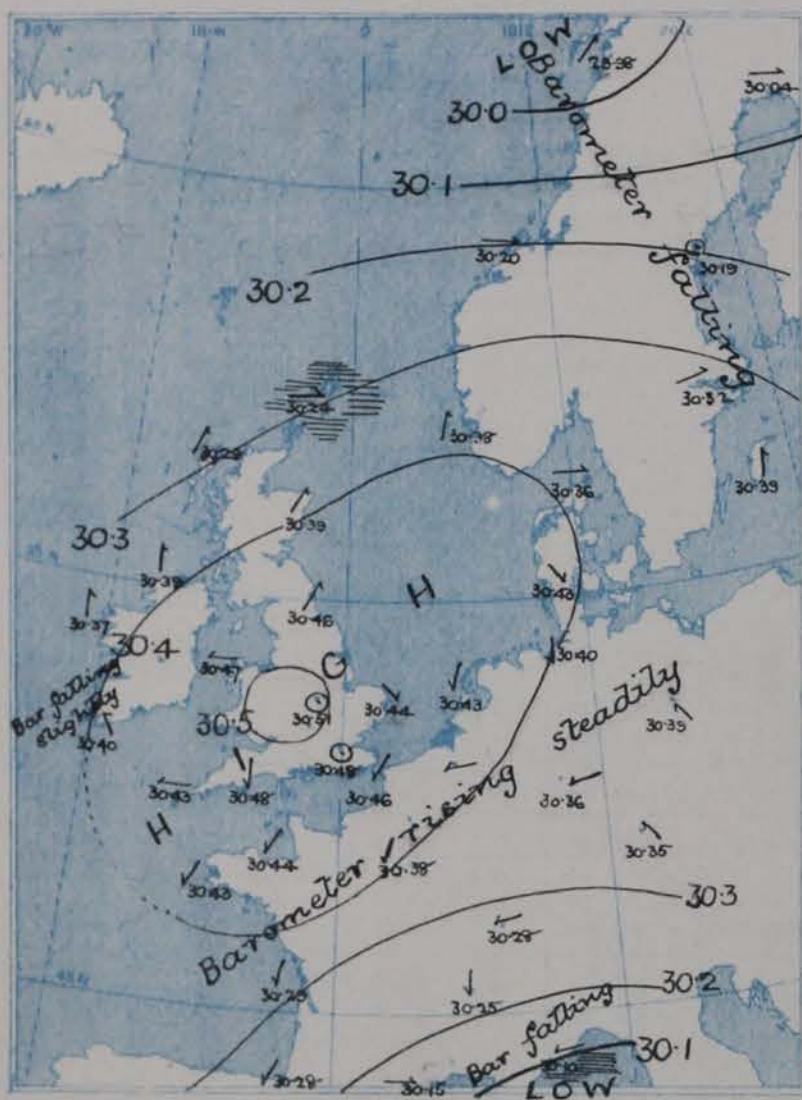
FOR Friday 26<sup>th</sup> September, 1902.

## 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 SEPTEMBER. (1871-1900)



## 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 in the Barometer has taken place since yesterday over the whole of our Islands and their neighbourhood and a fall over the north of Scandinavia, Finland, and the Baltic, as well as in the extreme south of France. Readings now range from 30.51 ins. at Loughborough and Oxford to 29.98 ins. at Naparanda, and to 30.10 ins. at Nice.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is moderate from the S in the west of Ireland, light from SW in Scotland, W<sup>ly</sup> fresh at Christiansund; over England it is calm, and at the southern stations light from NE. Temperature shows but little change over central England from that observed yesterday; in Ireland it has risen. A reading of 63° is reported from Nice, but in our Islands it ranges from 58° at Scilly, Valencia and Blacksod Pt., and 57° on our northeastern coast to 39° at Loughborough and Bath. The readings at the coast stations are above the average, those inland are below. The weather is at present dull at the northern stations, cloudy in Ireland, clear (with considerable fog and haze locally inland) over England, brighter in Sweden and Germany. Sea is rough at Lumburgh Pt., moderate in the far west, smooth elsewhere.

During yesterday the maximum temperature in our Islands was 69° at Loughborough; at Frankfurt the max. was 72°. The night minima over England were low (31° on the grass at Oxford). Bright sunshine was abundant on our south and southwest coasts, and at Harrogate.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer has now begun to fall at Valencia; the anticyclone is likely to move southwards, and S<sup>ly</sup> to SW<sup>ly</sup> winds spread gradually over us with a rise of night temperatures, and possibly rain. This change will not be felt much over the eastern half of England today.

## FORECASTS \*

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

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	S <sup>ly</sup> and SW <sup>ly</sup> winds, increasing; weather rainy, unsettled.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	{ SW <sup>ly</sup> winds, light to moderate; fair, warmer.
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	{ Calms and Variable airs, (NE <sup>ly</sup> in Channel), hazy to fair.
5	{ ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	{ Similar to N° 0.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	SE <sup>ly</sup> breezes, light, fine, warmer.
9	{ IRELAND NORTH	Same as N° 0.
10	{ IRELAND SOUTH	S <sup>ly</sup> winds, freshening; some rain.
WARNINGS		None issued.

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 ... ..	*	*	*	*	*	*	*	*	*	*	8w	*	8	63	46	10.1	-
Newton Reigny (Penrith)	30.36	55	WSW 2	0	30.44	+ .12	53	52	+ 11	Z 0	8	*	0.8cm	63	41	6.3	-
Bath ... ..	30.42	55	NW 1	8	30.49	+ .09	39	39	- 3	N 1	f	*	-	65	37	6.2	-

## 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. ...	67	40	8c	10.0	-	Worthing ... ..	*	*	*	9.0	*
Birmingham, 9 p.m. ...	63	43	8	0.4	-	Llandudno ... ..	*	*	*	9.0	*
Lowestoft, up to 6 p.m. ...	*	*	*	10.3	*	Rhyl up to 6 p.m. ...	*	*	*	9.0	*
Hastings ... ..	*	*	*	10.0	*	Southport, 9 p.m. ...	63	38	8	6.2	-
Eastbourne up to 6 p.m. ...	*	*	*	9.4	*	Manchester, 9 p.m. ...	71	37	8	6.0	-
Brighton ... ..	*	*	*	*	*	Darwen, 9 p.m. ...	64	40	0w	7.8	-

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.	°		
Sept. 25.					24. IX. 02.				
Marseilles ... ..	77	57	0, 3	Ins. 0.04	Geneva ... ..	72		0	Ins.
Utrecht ... ..	61	48	0, f	0.28	Berne ... ..	64		0	-
Copenhagen ... ..	57	48	8, m	-	Lucerne ... ..	68		6	-
Prague ... ..	63	39	8, f	-	Lausanne ... ..	?		?	-
Vienna ... ..	61	43	8, 0	-	Lugano ... ..	63		0	-
Buda-Pesth ... ..	59	41	8, 8	-	Locarno ... ..	?		?	-
St. Petersburg ... ..	43	30	7, 0	0.04					
Rome ... ..	77	58	8, 0	-					
Malta ... ..	76	67	?	0.35					
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.

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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.

25. IX. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5. 46	11. 44	5. 42
Greenwich ... ..	5. 53	11. 51	5. 49
Wick ... ..	6. 6	12. 3	6. 0
Valencia ... ..	6. 34	12. 32	6. 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 Saturday, 27<sup>th</sup> September, 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.					
																			Ins.			Ins.	°
SCANDINAVIA.	Haparanda	29.86	45	WSW	2	m	29.81	- .23	44	41	+ 3	NW	2	c			52	36		-			
	Hernösand	30.03	46	Z	0	o	29.90	- .29	46	44	+ 4	N	2	z			57	39		0.24			
	Stockholm	30.21	48	W	2	z	29.85	- .47	52	51	+ 6	W	2	r			55	41		0.12			
	Wisby	30.24	51	SW	2	z	29.99	- .40	51	50	+ 4	Z	0	o			57	41		-			
	Karlstad	30.15	51	SW	4	o	29.98	- .37	50	47	+ 5	NE	2	c			57	41		0.04			
	Färder (Vänna Fjord)	30.15	54	SW	4	c	30.08	- .26	55	49	+ 9	N	6	z	3		54	46		-			
	Bodö	29.93	45	SSW	4	o	29.98	- .00	44	43	- 4	E	2	r	1		48	41		0.28			
	Christiansund	30.05	47	WNW	5	o	30.26	+ .06	46	43	- 0	NNE	6	r	4		50	45		0.12			
	Skudesnaes	30.27	53	SW	4	r	30.27	- .11	48	46	- 4	NNW	6	c	2		54	48		-			
	Sumburgh Head	30.14	52	WSW	5	m	30.38	+ .14	44	43	- 10	NE	1	o	5		57	43		0.24			
BRITISH ISLANDS.	Stornoway	30.33	58	WSW	3	o	30.36	+ .07	56	55	- 0	SW	2	o	2		60	53	0.3	-			
	Malin Head	30.39	59	SW	1	o	30.41	+ .02	57	54	+ 2	S	1	z	1		63	53		-			
	Blacksod Pt.	30.37	59	SSW	4	z	30.40	+ .03	58	56	- 0	SSW	4	cm	3		62	57		-			
	Valencia	30.41	59	S	2	cm	30.43	+ .03	53	52	- 5	ENE	1	cm	4		64	51	5.5	-			
	Roche's Point	30.45	57	SE	1	z	30.47	+ .02	54	53	- 5	N	3	o	2		62	49		0.01			
	Parsonstown	30.42	61	Z	0	c	30.45	+ .01	49	48	- 4	SSE	1	c			66	46	5.3	0.01			
	Donaghadee	30.43	58	SW	1	z	30.45	- .01	50	49	- 3	SSW	2	bcw	1		60	48		-			
	Liverpool Obsy	30.47	57	NNE	1	z	30.48	- .02	53	52	+ 2	Z	0	m	?		64	50		-			
	Holyhead	30.47	57	N	1	z	30.47	- .00	51	50	- 5	Z	0	bcf	0		63	48		-			
	Pembroke (St. Ann's)	30.45	59	NE	1	z	30.43	- .04	56	53	+ 3	NE	1	bcnw	2		68	51	8.4	-			
GERMANY, &c.	Scilly (St. Mary's)	30.42	60	ENE	2	z	30.38	- .05	57	55	- 1	ENE	1	bcw	2		63	54	8.9	-			
	Jersey (St. Aubins)	30.40	62	ENE	3	z	30.40	- .04	57	53	- 1	ENE	3	z	3		64	54	9.8	-			
	Portland Bill	30.43	60	NW	1	z	30.44	- .04	55	51	- 1	ENE	1	z	1		63	49		-			
	Dungeness	30.48	59	ESE	4	c	30.41	- .05	52	52	- 2	NNE	2	f	1		64	43		-			
	Wick	30.34	57	SW	1	o	30.39	+ .05	53	52	- 2	WNW	1	o	1		62	50		-			
	Nairn	30.38	57	SW	1	c	30.38	+ .03	55	54	- 0	Z	0	o	0		63	52		0.11			
	Aberdeen	30.36	59	W	1	org	30.40	+ .01	54	53	- 3	WSW	1	orgm	1		67	53	4.8	0.07			
	Leith	30.41	60	WSW	1	o	30.41	- .03	56	54	- 1	Z	0	om	*		65	53		-			
	North Shields	30.42	62	W	2	c	30.43	- .03	56	53	- 1	WSW	3	o	2		67	53		-			
	Spurn Head	30.43	58	Z	0	z	30.43	- .04	52	52	- 3	NW	2	f	1		63	50		-			
FRANCE.	Yarmouth	30.43	60	ENE	1	z	30.40	- .04	53	51	+ 2	WNW	2	zf	2		62	48		-			
	Loughborough	30.45	57	Z	0	c	30.47	- .04	44	44	+ 5	Z	0	ofw	*		68	39		-			
	Oxford	30.46	52	Z	0	z	30.47	- .04	45	44	+ 4	N	1	f	*		67	40		-			
	London (Brixton)	30.45	56	ESE	1	z	30.43	- .05	44	44	- 0	Z	0	f	*		69	41	4.9	-			
	The Scaw (Skagen)	30.23	53	W	4	m	30.05	- .31	55	51	+ 6	NW	3	z	1		57	49		-			
	Fanö	30.41	51	W	1	z	30.27	- .16	54	54	+ 6	SW	4	o	*		55	46		-			
	Cuxhaven	30.40	53	NW	2	z	30.32	- .08	51	50	- 2	W	1	o	*		55	46		-			
	The Helder	30.42	55	NE	1	z	30.37	- .06	56	55	+ 1	N	1	o	0		59	48		-			
	Brussels	*	*	*	*	*	30.41	- .06	50	50	- 2	NNE	2	f	*		56	48		-			
	Berlin	30.38	56	Z	0	z	30.29	- .10	47	46	- 0	SSW	1	z	*		63	45		-			
SPAN. PEN.	Frankfurt	30.33	55	NE	2	z	30.31	- .05	49	46	- 6	NE	2	z	*		68	48		-			
	Munich	30.33	51	NE	2	z	30.27	- .08	42	42	- 4	Z	0	m	*		63	39		-			
	C. Gris Nez	?	54	NE	4	z	30.39	- .02	53	51	- 5	ENE	3	c	3		72	48		-			
	Brest	30.38	61	NE	2	z	30.38	- .05	52	50	- 1	NE	1	c	2		68	50		-			
	Lorient	?	62	ENE	3	z	30.34	- .06	54	54	- 1	E	4	o	4		66	52		-			
	Rochefort	30.24	63	NE	4	c	30.23	- .06	55	54	- 1	NE	4	o	*		70	52		-			
	Biarritz	30.27	64	WSW	3	c	30.24	- .04	58	57	- 0	NE	3	m	3		66	57		0.04			
	Paris	30.36	56	NNE	2	z	30.34	- .04	52	51	- 4	NE	3	o	*		61	49		-			
	Belfort	30.19	57	ENE	2	m	30.24	- .04	44	43	- 7	ENE	2	m	*		64	42		-			
	Lyons	30.20	60	NNW	1	c	30.25	- .00	50	48	- 7	N	1	z	*		66	47		-			
Nice	30.08	64	NE	1	z	30.07	- .03	66	62	+ 3	NE	2	o	6		72	55		-				
Perpignan	30.12	65	W	3	o	30.11	- .04	62	58	+ 5	N	2	r	*		73	57		0.04				
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, 27<sup>th</sup> SEPTEMBER, 1902.

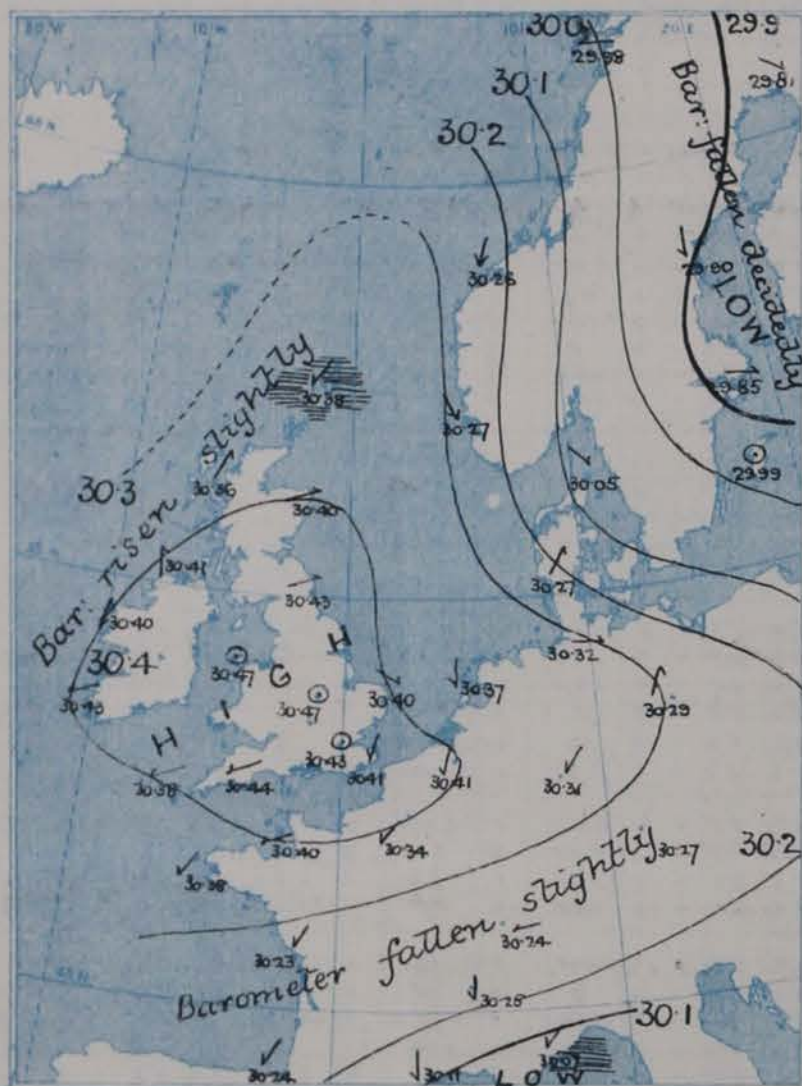
## I. BAROMETER, WIND AND SEA. This Morning.

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

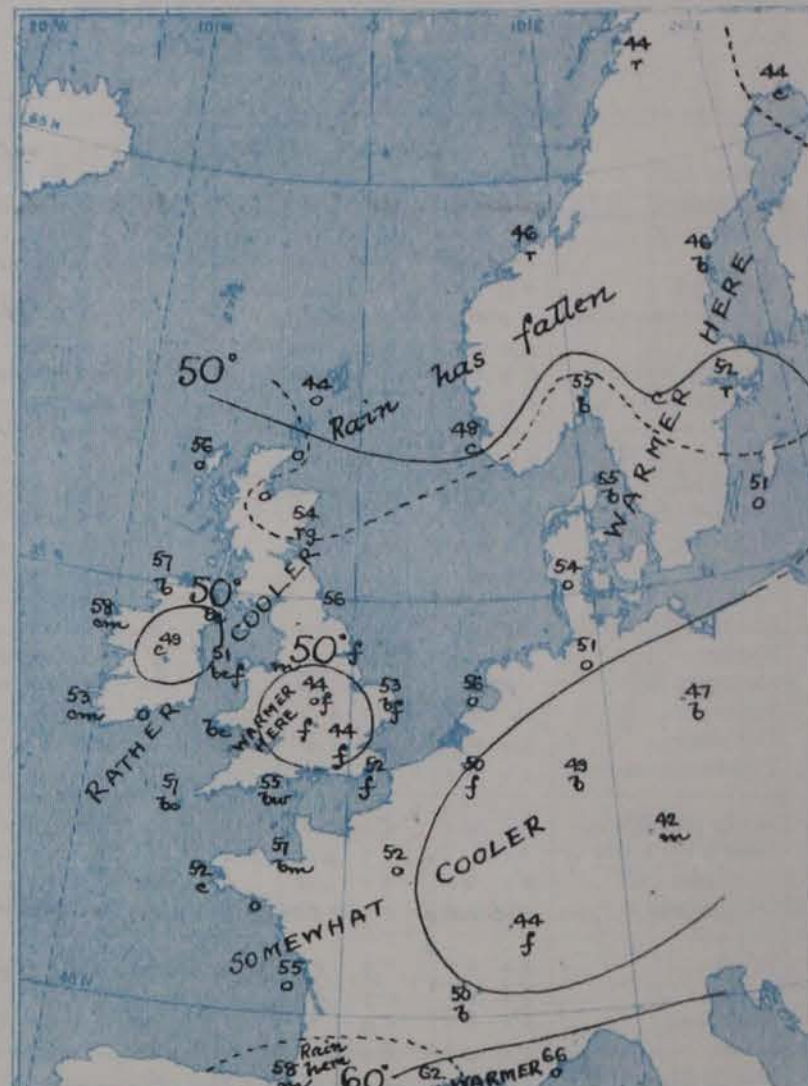


## II. TEMPERATURE AND WEATHER. This Morning.

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 SEPTEMBER. (1871-1900)



## 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 recovery of pressure has taken place over Ireland and Scotland since yesterday but in all other regions the barometer has fallen. An anticyclone still covers the British Islands, and the actual readings range from 30.48 ins. at Liverpool to 29.81 ins. at Haparanda, and 29.85 ins. at Stockholm.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

Calms and variable airs prevail over our inland districts, light SW<sup>ly</sup> breezes in the extreme north-west, and NE<sup>ly</sup> airs over the English Channel and France, but NE<sup>ly</sup> to NW<sup>ly</sup> winds are reported from Scandinavia. Temperature has fallen over France and Ireland, changed very little and irregularly over the United Kingdom, risen in the south of Sweden. The readings range from 58° at Blackrod 9<sup>h</sup>, 58° at Scilly, and more than 55° at nearly all our coast stations to 44° at Loughborough, in London, and in Lapland, 45° at Oxford. At Munich it is 42°. Our inland readings are below the average, but those at the coast stations are high. Weather in our Islands is fine, but fog or haze prevails in very many localities. Over Scandinavia it is dull, and rain prevails in several places. Sea is smooth except in the far west and north.

Yesterday's maximum temperatures were again rather high — 69° in London, 72° at Nice, 73° at Perpignan. A little rain fell in Scotland and more over Scandinavia. Bright sunshine was again very considerable at the Channel Stations.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The present tendency is for calms and variable airs to set in over Ireland, with fog or haze, while N<sup>ly</sup> breezes appear likely to spread over the North Sea and east of England, with some fall of temperature tomorrow.

## FORECASTS \*

For the 24 hours ending at NOON on 28<sup>th</sup> SEPT. 1902

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	SW <sup>ly</sup> and Variable winds; light; fine, colder.
1	{ SCOTLAND EAST	N <sup>ly</sup> and Variable airs; fine, colder.
2	{ ENGLAND N.E.	
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	Calms and Variable airs; fine, (foggy occasionally), colder.
5	{ ENGLAND SOUTH	



### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	Very light and Variable breezes or calms; fine, but fog in places.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	
9	{ IRELAND NORTH	
10	{ IRELAND SOUTH	

### 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 ... ..	*	*	*	*	*	*	*	*	*	*	f	*	b, f	62	45	10.1	-
Newton Reigny (Penrith)	30.42	54	N 1	0	30.42	-0.2	49	48	- 4	2 0	m	*	c, m	67	45	5.0	-
Bath ... ..	30.45	55	N 1	2	30.46	-0.3	47	46	+ 8	NW 1	f	*	-	66	41	8.0	-

## 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. ...	67	48	δ c w	7.3	-	Worthing ... ..	*	*	*	9.9	*
Birmingham, 9 p.m. ...	66	46	δ	4.4	-	Llandudno ... ..	*	*	*	10.6	*
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	8.0	*
Hastings ... ..	*	*	*	10.6	*	Southport, 9 p.m. ...	63	39	δ c m	6.5	-
Eastbourne up to 6 p.m. ...	*	*	*	10.7	*	Manchester, 9 p.m. ...	70	42	f	1.3	-
Brighton ... ..	*	*	*	10.1	*	Darwen, 9 p.m. ...	64	45	c w	7.6	-

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.	°		
26. IX. 02					25. IX. 02				
Marseilles ... ..	73	55	n 0	0.04	Geneva ... ..	57	*	0	0.12
Utrecht ... ..	63	52	0 0	-	Berne ... ..	57	*	0	-
Copenhagen ... ..	57	46	0 m	-	Lucerne ... ..	64	*	0	-
Prague ... ..	64	41	6 c	-	Lausanne ... ..	?	*	?	-
Vienna ... ..	63	37	6 0	-	Lugano ... ..	66	*	6	-
Buda-Pesth ... ..	63	45	6 6	-	Locarno ... ..	?	*	?	-
St. Petersburg <i>not recd.</i>	*	*	*	*					
Rome ... ..	77	66	c 0	-					
Malta ... ..	72	68	? m	0.39					
Madeira (Funchal) ...	75	63	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.

27.....IX., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth ... ..	5. 48	11. 44	5. 40
Greenwich ... ..	5. 55	11. 51	5. 47
Wick ... ..	6. 9	12. 3	5. 57
Valencia ... ..	6. 36	12. 32	6. 28

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# DAILY WEATHER REPORT

for 8 a.m. on

SUNDAY 28<sup>TH</sup> SEPTEMBER

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° 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 ...	30.04	39	NE	6	bc	30.14	+33	34	32	-10	NW	2	c	*	-	45	34	*	-			
	Hernösand ...	30.06	49	NW	2	o	30.26	+36	41	36	-5	NW	2	b	*	-	52	41	*	-			
	Stockholm ...	30.07	45	W	4	b	30.17	+32	43	42	-9	NW	4	o	*	-	54	41	*	0.12			
	Wisby ...	30.02	50	N	4	c	30.13	+14	47	?	-4	N	6	o	*	-	55	43	*	0.24			
	Karlstad...	30.17	45	NW	4	b	30.34	+36	41	37	-9	NNE	4	b	*	-	*	*	*	-			
	Færder (X'iania Fjord) ...	30.22	52	N	6	b	30.38	+30	46	41	-9	N	6	b	2	-	55	46	*	-			
	Bodö ...	30.30	41	N	1	o	30.27	+29	41	40	-3	SW	6	r	3	-	45	39	*	-			
	Christiansund ...	30.47	44	N	2	o	30.50	+24	42	41	-4	WSW	1	bc	3	-	46	41	*	0.04			
	Skudesnaes ...	30.33	49	NNW	6	b	30.41	+14	44	42	-4	N	2	b	1	b	49	43	*	*			
	Sumburgh Head ...	30.46	45	Z	0	c	30.49	+11	45	45	+1	Z	0	o	3	o,c	48	40	*	0.01			
BRITISH ISLANDS.	Stornoway ...	30.43	58	WSW	2	o	30.48	+12	55	55	-1	Z	0	om	1	o	61	52	0.6	-			
	Malin Head ...	30.46	58	Z	0	bcm	30.50	+09	57	57	0	Z	0	omd	1	bc, bcm	63	56	*	-			
	Blacksod Pt. ...	30.45	60	SSW	3	cm	30.48	+08	57	56	-1	Z	0	bcm	2	bcm, cm	62	50	*	-			
	Valencia...	30.44	60	Z	0	bcm	30.46	+03	49	48	-4	NE	1	bcm	3	cm, bcm	67	48	3.8	-			
	Roche's Point ...	30.46	57	E	1	cm	30.47	00	52	51	-2	NNW	3	bmw	1	f, c, cm	61	50	*	-			
	Parsonstown ...	30.45	59	SSE	1	bc	30.49	+04	40	39	-9	NNW	1	f	*	bc	66	38	5.8	-			
	Donaghadee ...	30.44	60	WSW	1	c	30.49	+04	53	53	+3	NNE	3	of	2	-	63	50	*	0.01			
	Liverpool Obsy. ...	30.46	56	NW	1	c	30.49	+01	53	52	0	Z	0	m	?	f, c	61	52	*	-			
	Holyhead ...	30.47	57	NNE	1	cm	30.47	00	55	54	+4	NE	1	cur	1	c, cm	59	50	*	-			
	Pembroke (St. Ann's) ...	30.42	58	NNE	4	bc	30.43	00	55	51	-1	NNE	2	bmw	2	-	65	52	8.1	-			
GERMANY, &c.	Scilly (St. Mary's)...	30.40	59	ENE	1	bcm	30.38	00	58	56	+1	ENE	2	bcw	2	bc, bcm	64	55	9.6	-			
	Jersey (St. Aubins)...	30.36	65	NE	4	bm	30.38	-02	60	57	+3	NNE	2	bm	2	bm, w	66	54	9.8	0.01			
	Portland Bill ...	30.41	60	N	1	b	30.42	-02	57	54	+2	ENE	2	b	1	b	65	53	*	-			
	Dungeness ...	30.38	60	?NE	4	c	30.41	00	56	54	+4	NNE	4	c	2	bc, c	64	51	*	-			
	Wick ...	30.48	53	NW	1	o	30.50	+11	52	50	-1	S	1	o	1	-	54	49	*	0.01			
	Nairn ...	30.44	56	Z	0	c	30.50	+12	50	50	-5	Z	0	f	0	-	62	48	*	0.01			
	Aberdeen ...	30.46	52	ENE	1	of	30.52	+12	51	50	-3	ENE	1	om	1	o, of	59	48	0.0	-			
	Leith ...	30.44	57	E	1	b	30.51	+10	53	52	-3	Z	0	om	*	-	62	47	*	-			
	North Shields ...	30.42	57	E	1	o	30.50	+07	51	49	-5	NNE	2	c	2	p, o	60	49	*	-			
	Spurn Head ...	30.42	56	N	2	c	30.45	+02	52	49	0	N	3	ow	1	-	60	49	*	-			
FRANCE.	Yarmouth ...	30.38	60	NNW	2	bc	30.39	-01	54	51	+1	N	3	bc	4	b, bc	63	50	*	-			
	Loughborough ...	30.44	57	Z	0	o	30.48	+01	51	50	+7	NNE	2	omdp	*	om, c, of	64	44	*	-			
	Oxford ...	30.43	58	NE	1	o	30.45	-02	52	51	+7	N	2	od	*	bc, o	69	44	*	-			
	London (Brixton) ...	30.40	61	N	1	o	30.43	00	56	51	+12	NNE	3	c	*	f, bc	68	44	3.2	-			
	The Scaw (Skagen) ...	30.18	54	NNW	3	c	30.34	+29	46	42	-9	NE	4	b	1	-	55	45	*	-			
	Fanö ...	30.24	48	NW	4	b	30.34	+07	41	39	-13	WSW	2	b	*	-	56	39	*	-			
	Cuxhaven ...	30.24	52	N	4	o	30.25	-07	49	47	-2	N	3	b	*	-	57	46	*	-			
	The Helder ...	30.30	58	N	4	o	30.30	-07	55	51	-1	NNE	1	b	1	-	59	54	*	-			
	Brussels...	*	*	*	*	*	30.32	-09	51	47	+1	NNE	3	o	*	-	61	49	*	-			
	Berlin ...	30.13	55	W	1	t	30.10	-19	49	48	-2	NW	4	bc	*	-	63	46	*	0.12			
SPAN. PEN.	Frankfurt ...	30.24	53	N	2	b	30.18	-13	51	46	+2	N	2	c	*	-	68	48	*	-			
	Munich ...	30.17	50	SW	2	b	30.12	-15	46	44	+4	W	4	o	*	-	59	42	*	-			
	C. Gris Nez ...	30.38	59	ENE	3	o	30.36	-03	56	54	+3	NNE	5	o	5	-	63	50	*	-			
	Brest ...	30.33	61	ENE	2	b	30.36	-02	56	55	+4	ENE	2	o	2	-	66	52	*	-			
	Lorient ...	30.33	61	E	4	o	30.34	00	58	58	+4	ENE	4	c	2	-	61	52	*	-			
	Rochefort ...	30.19	62	NE	4	o	30.21	-02	52	51	-3	NE	3	bc	*	o	68	50	*	-			
	Biarritz ...	30.20	62	Z	0	m	30.16	-08	57	56	-1	E	1	m	1	-	63	55	*	-			
	Paris ...	30.31	57	N	2	b	30.30	-04	52	52	0	NNE	3	b	*	-	66	50	*	-			
	Belfort ...	30.16	55	ENE	4	m	30.14	-10	44	44	0	Z	0	f	*	-	63	42	*	-			
	Lyons ...	30.18	58	NW	1	c	30.13	-12	51	48	+1	NNW	2	m	*	-	64	47	*	-			
Nice ...	30.01	66	Z	0	bc	29.91	-16	58	48	-8	Z	0	c	3	-	75	55	*	-				
Perpignan ...	30.07	63	NW	1	o	30.02	-09	62	56	0	NW	3	bc	*	-	71	57	*	-				
SPAN. PEN.	Corunna ...																						
	Lisbon ...	30.00	71	N	4	b	30.00	+06	67	56	+3	NNW	4	b	*	-	81	63	*	-			
Azores (P. Delgada) ...	30.07	70	ESE	4	o	30.02	-03	68	67	-2	S	4	o	4	-	73	68	*	-				

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, 28<sup>th</sup> September, 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 SEPTEMBER. (1871-1900)



## 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 large anticyclone recently noticed over western Europe has now spread over the northern countries also, the central portion of the system with readings exceeding 30.5 ins. being found over Scotland. The barometer continues to rise over our Islands and also in Scandinavia and Denmark, but is falling in Germany and the central and southern parts of France, the lowest readings, 30.0 and less being found over the last mentioned region and the south of Spain.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is light to moderate from the N and NE over Ireland, England, the Netherlands, western Germany and the greater part of France, but draws into NW over the southern parts of France. In Scotland it is light and variable and in the west of Norway SW<sup>ly</sup>, while in Sweden and the south of Norway it is NW or N, strong in force at Nisby and Faerder. Temperature has risen over England and the north of France and also in Germany but has fallen elsewhere. Over the greater part of our Islands the morning readings are above the average, the highest, 58° to 58°, being reported in the south of England. At most of our northern stations the thermometer is slightly above 50° but at Sumburgh H<sup>o</sup> the reading is 45°, while at Parsonstown, where fog prevails, it is as low as 40°. Readings below 45° are reported in Scandinavia; at Haparanda the thermometer stands at 34°. Cloudy weather is reported over the northern and central parts of the United Kingdom, with fog or mist at many places, and drizzling rain over central England. In most other parts of our area the weather is fine, but rain is falling at Bödo. The sea is slight or smooth generally, but rather rough at Cape Grö's Ties.

During yesterday the thermometer rose to 65° and upwards in many parts of England and Ireland, and to 68° in London; in the south of France it rose to between 70° and 75°. The duration of Bright Sunshine was small at most of our northern stations but larger in the west and south; at Scilly and Jersey it amounted to more than 9 hrs. Slight rain fell in the extreme north of Scotland and somewhat larger quantities in the south of Sweden and at Berlin; elsewhere the weather remained fair and dry.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

For the 24 hours ending at NOON on 29<sup>th</sup> SEPT. 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

*issued.*

*None*

### 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.							PART 24 HOURS.					
	Bar. Ins.	Temp. °	Wind	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea	Weather.	Temperature		Sun- shine Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max. °	Min. °		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	c	*	b, bc	64	49	7.3	—
Newton Reigny (Penrith)												*					
Bath ... ..	30.27	59	N 1	b	30.46	.00	49	49	+2	NW 1	bc	*	—	67	45	7.0	—

## 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. ...	63	47	b, m	1.3	-	Worthing ... ..	*	*	*	8.5	*
Birmingham, 9 p.m. ...	65	46	o	0.2	-	Llandudno ... ..	*	*	*	2.5	*
Lowestoft, up to 6 p.m. ...						Rhyl up to 6 p.m. ...	*	*	*		*
Hastings ... ..	*	*	*		*	Southport, 9 p.m. ...	61	44	bc, b	1.4	-
Eastbourne up to 6 p.m. ...	*	*	*		*	Manchester, 9 p.m. ...	70	42	o, f	0.0	-
Brighton ... ..	*	*	*		*	Darwen, 9 p.m. ...	63	48	c, v, w	1.2	-

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

STATIONS. 27 <sup>th</sup> SEPTEMBER	TEMPERATURE, F.		WEATHER.	RAIN. Ins.	STATIONS. 26 <sup>th</sup> SEPTEMBER	TEMPERATURE, F. at 1 p.m.		WEATHER.	RAIN. (measured at 7 a.m.) Ins.
	Max.	Min.				°	°		
Marseilles ... ..	75	57	o, o	-	Geneva ... ..	63		bc	0.04
Utrecht ... ..	55	43	m, f	-	Berne ... ..	59		c	-
Copenhagen ... ..	59	45	f, f	-	Lucerne ... ..	61		o	-
Prague ... ..	64	41	b, c	-	Lausanne ... ..	?		?	-
Vienna ... ..	64	39	b, b	-	Lugano ... ..	66		b	-
Buda-Pesth ... ..	64	45	b, b	-	Locarno ... ..	?		?	-
St. Petersburg ... ..	52	45	c, o	-					
Rome ... ..	69	62	o, o	0.12					
Malta ... ..	76	70	o	-					
Madeira (Funchal) ... ..	73	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.

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.	28 <sup>th</sup> Sept. 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 ... ..	5.49	11.44	5.38
Germany, Denmark Norway, Sweden ... }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	5.56	11.51	5.45
France ... ..	7 a.m. (Paris) ... ..	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	6.11	12.3	5.54
Spain ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia ... ..	6.37	12.32	6.26
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 Monday, 29<sup>th</sup> September, 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.	Direc.	Force (0 to 12.)	Weather.			Max.	Min.				
SCANDINAVIA.	Haparanda	29.79	43	W	4	c	29.72	-42	43	41	+9	N	2	8	*	-	43	34	*	-			
	Hernösand	30.12	44	NW	4	8	29.89	-37	53	48	+12	NW	4	8c	*	-	50	37	*	-			
	Stockholm	30.24	42	Z	0	8	30.10	-07	42	40	-1	W	4	8	*	-	48	41	*	-			
	Wisby	30.27	43	NNW	2	8	30.19	+06	47	44	0	NW	2	8	*	-	52	39	*	-			
	Karlstad	30.31	42	NW	2	8	30.19	-15	38	36	-3	NW	2	8	*	-	50	45	*	-			
	Færder (X'iania Fjord)	30.36	49	W	2	8	30.21	-17	47	44	+1	W	2	8	1	-	50	45	*	-			
	Bodö	30.02	45	SW	7	7	29.98	-29	41	37	0	NW	5	c	3	-	45	39	*	0.28			
	Christiansund	30.36	44	SW	1	0	30.21	-29	48	47	+6	W	6	7	5	-	48	41	*	0.16			
Skudesnaes	30.42	48	NNW	2	8	30.32	-09	48	47	+4	NNW	4	0	1	-	54	43	*	-				
BRITISH ISLANDS.	Sumburgh Head	30.45	51	SW	1	f	30.35	-14	50	50	+5	WNW	2	f	3	f	52	45	*	0.01			
	Stornoway	30.48	58	WSW	1	0	30.44	-04	54	54	-1	Z	0	fw	0	0	59	52	0.0	-			
	Malin Head	30.51	57	N	1	of	30.43	-07	56	56	-1	NE	1	of	1	of	60	55	*	0.01			
	Blacksod Pt.	30.47	60	NNE	3	8m	30.41	-07	55	54	-2	E	3	8m	2	f, 8m, w	64	49	*	-			
	Valencia...	30.43	60	W	1	8cm	30.34	-12	45	44	-4	Z	0	8m	3	8c, 8cm	64	43	9.0	-			
	Roche's Point	30.45	57	SE	1	8m	30.36	-11	55	53	+3	ENE	1	om	1	8, 8m	63	49	*	-			
	Parsonstown	30.46	60	Z	0	8	30.40	-09	50	49	+10	E	1	0	*	8	65	39	6.2	-			
	Donaghadee	30.50	53	NNE	2	f	30.43	-06	54	54	+1	NNE	2	0	2	-	63	51	*	0.01			
Liverpool Obsy.	30.46	54	E	1	m	30.40	-09	48	45	-5	E	1	8	?	-	61	43	*	-				
Holyhead	30.45	58	NE	2	8c	30.39	-08	49	47	-6	ENE	2	8	1	8c	59	47	*	-				
Pembroke (St. Ann's)	30.40	57	NNE	3	8	30.34	-09	48	45	-7	ENE	4	8mur	2	-	65	45	9.8	-				
GERMANY, &c.	Scilly (St. Mary's)	30.38	61	NNW	3	0	30.28	-10	56	53	-2	ENE	4	c	1	0	66	52	8.0	-			
	Jersey (St. Aubins)	30.34	56	ENE	4	8m	30.20	-18	55	50	-5	NE	5	og	4	cg, 8m	64	53	8.3	-			
	Portland Bill	30.38	57	ENE	3	8	30.27	-15	49	46	-8	NE	3	8	2	8	62	45	*	-			
	Dungeness	30.35	56	NNE	4	0	30.20	-21	55	52	-1	E	6	cg	3	c, 0	59	49	*	0.02			
	Wick	30.50	56	S	1	c	30.41	-09	54	53	+2	WNW	2	0	1	-	61	50	*	-			
	Nairn	30.49	59	Z	0	0	30.43	-07	56	56	+6	Z	0	cm	0	om	61	49	*	0.01			
	Aberdeen	30.51	52	ESE	1	cm	30.41	-11	56	54	+5	WNW	1	c	1	0, cm	56	50	1.4	-			
	Leith	30.50	53	N	1	c	30.40	-11	54	52	+1	WSW	1	om	*	-	57	49	*	-			
North Shields	30.50	49	NNE	2	c	30.39	-11	49	48	-2	WNW	2	0	2	-	52	44	*	-				
FRANCE.	Spurn Head	30.43	52	N	5	c	30.33	-12	52	50	0	N	4	cv	3	-	55	50	*	-			
	Yarmouth	30.36	56	N	4	c	30.27	-12	55	50	+1	NE	4	8cv	4	c	57	51	*	-			
	Loughborough	30.46	51	NE	1	8c	30.36	-12	48	46	-3	N	2	cmw	*	8c, c, 0, 8	58	42	*	-			
	Oxford	30.44	50	NE	3	c	30.32	-13	48	46	-4	N	3	0	*	8c, c, 0	59	43	*	-			
	London (Brixton)	30.39	54	NE	4	c	30.23	-20	49	47	-7	NE	3	og	*	c, 8, 0	60	47	4.6	-			
	The Scaw (Skagen)	30.36	49	N	1	8	30.26	-08	45	44	-1	SW	2	8c	0	-	50	41	*	-			
	Fanö	30.40	40	N	2	8	30.34	-00	38	37	-3	NE	1	8	*	-	55	34	*	-			
	Cuxhaven	30.32	51	NE	3	8	30.32	+07	46	45	-3	NE	2	8	*	-	54	45	*	-			
SPAN. PEN.	The Helder	30.31	54	NE	4	c	30.26	-04	52	49	-3	E	1	8	1	-	59	50	*	-			
	Brussels...	*	*	*	*	*	30.21	-11	41	41	-10	NE	4	c	*	-	61	38	*	-			
	Berlin	30.23	48	N	4	8	30.27	+17	44	43	-5	SE	2	8	*	-	55	41	*	0.04			
	Frankfurt	30.19	50	N	2	c	30.11	-07	48	45	-3	NE	4	c	*	-	59	45	*	-			
	Munich	30.13	44	Z	0	c	30.00	-12	43	42	-3	NE	6	0	*	-	48	39	*	0.24			
	C. Gris Nez	30.35	53	NNE	5	0	30.21	-15	48	44	-8	SSE	4	0	3	-	66	46	*	0.04			
	Brest	30.32	60	ENE	2	8	30.23	-13	49	?	-7	NE	1	8c	1	-	70	46	*	?			
	Lorient	30.27	61	NE	4	8	30.18	-16	52	52	-6	NE	4	c	2	-	66	50	*	-			
Rochefort	30.15	60	NE	3	8c	30.08	-13	48	47	-4	NE	3	8	*	-	68	46	*	-				
Biarritz	30.11	63	SSW	1	8c	30.09	-07	47	45	-10	E	1	8c	2	-	66	45	*	-				
SPAN. PEN.	Paris	30.26	54	NNE	2	8c	30.12	-18	43	42	-9	N	3	0	*	-	59	42	*	-			
	Belfort	30.10	45	ENE	3	c	29.88	-26	45	41	+1	ENE	6	0	*	-	56	42	*	-			
	Lyons†	30.10	50	N	3	c	29.91	-22	44	41	-7	NNW	3	0	*	-	59	42	*	-			
	Nice	29.73	62	W	1	8	29.67	-24	59	51	+1	ENE	1	8	1	-	72	54	*	-			
	Perpignan	29.89	65	NW	4	8	29.83	-19	54	48	-8	NW	4	0	*	-	72	53	*	-			
	Corunna														*	-			*	-			
	Lisbon														*	-			*	-			
	Azores (P. Delgada)	29.99	67	E	3	m	29.92	-10	66	64	-2	NNE	1	c	3	-	73	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



# WEATHER CHARTS

FOR *Monday, 29<sup>th</sup> September, 1902.*

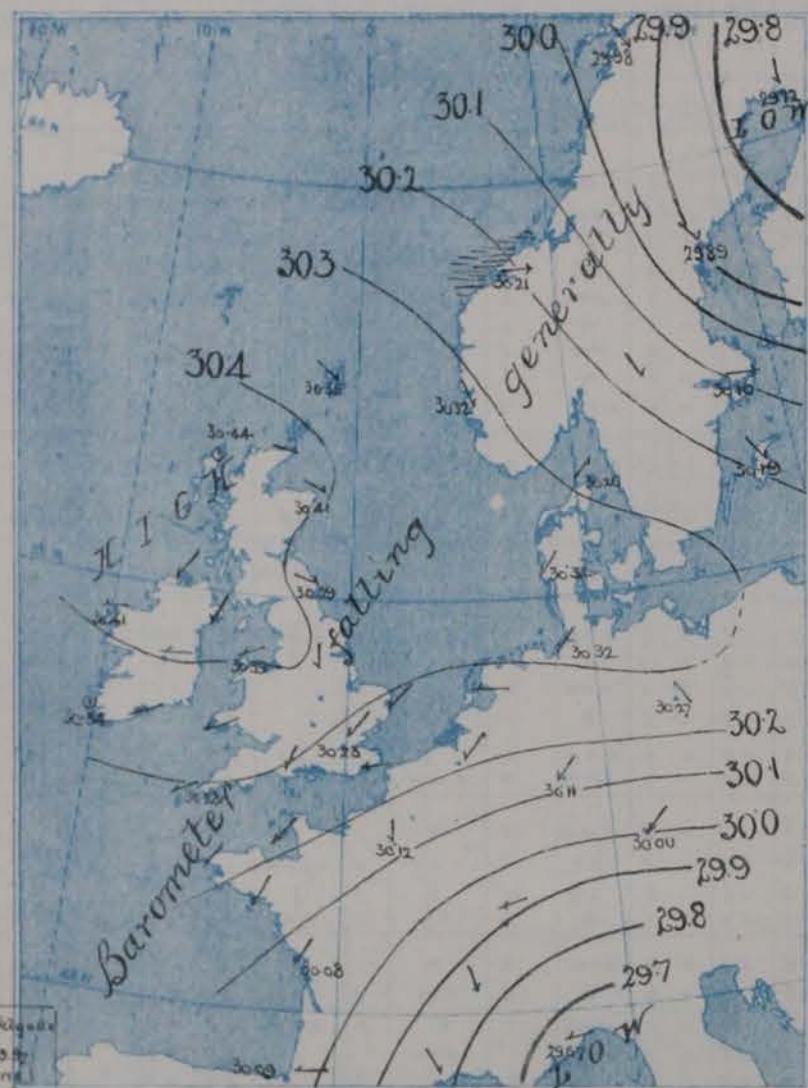
## I. BAROMETER, WIND AND SEA, *This Morning.*

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 SEPTEMBER. (1871-1900)



## 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 still highest over the northern and northwestern parts of our Islands and the North Sea, lowest over the Gulf of Bothnia on the one hand and the Mediterranean on the other. Readings range from 30.44 ins. at Stornoway and 30.43 ins. at Donaghadee to 29.72 ins. at Haparanda, and 29.67 ins. at Nice. Gradients are rather steep over Sweden and the southern parts of France.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is W<sup>ly</sup> or NW<sup>ly</sup>, moderate to strong, over Scandinavia, NE<sup>ly</sup> over Germany, France and the south of England. Over Scotland and the north of Ireland it is very light and anticyclonic.

Temperature has risen in several parts of Scandinavia and the northeast of Scotland, fallen elsewhere, especially over Belgium and the northern parts of France. In our Islands it ranges from 56° at Scilly and Hain, and 55° at Dungeness and Yarmouth to 39° at Newton Reigny, 48° at Loughborough, Liverpool and Oxford. The Scotch readings are decidedly above the average; that at Newton Reigny is singularly low.

Weather is very cloudy in many parts of England, clear in others, hazy or foggy in Ireland and several parts of Scotland. Sea is slight except on the north coast of France and the east coast of England.

The maximum temperatures recorded yesterday were much lower over England than those recorded near the end of last week. Rain has fallen over Norway and some parts of Germany. Bright sunshine was slight in the southeast of England but very considerable on our south and southwest coasts.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Pressure is now giving way generally and the NW<sup>ly</sup> winds in the northeast, and NE<sup>ly</sup> in the south are likely to increase in force. Some rain is probable in the north and northeast, fair weather will continue in the west and southwest.

## FORECASTS \*

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

### DISTRICTS.

### FORECASTS.

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

NW<sup>ly</sup> and W<sup>ly</sup> winds, moderate to fresh; fair to showery.

NE<sup>ly</sup> and N<sup>ly</sup> winds, moderate; fair, cold, occasionally clear.

### 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.

NE<sup>ly</sup> and N<sup>ly</sup> winds, moderate or light, fine.

### 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. Ins. Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature. Max. Min.	Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	c	*	c, 8c	59 47	3.3	0.06
Newton Reigny (Penrith) ...	30.44	57	z 0	8	30.41	39	37		z 0	0	*	c, 0 m, w	62 30	9.0	-
Bath ... ..	30.40	56	NE 1	8	30.31 - 15	47	45	- 2	w 1	8c	*	-	61 39	4.5	-

## 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. ...	58	48	8cw	6.7	-	Worthing ... ..	*	*	*	7.6	*
Birmingham, 9 p.m. ...	58	47	0	2.4	-	Llandudno ... ..	*	*	*	7.0	-
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	6.5	-
Hastings ... ..	*	*	*	5.2	*	Southport, 9 p.m. ...	63	44	8	7.5	-
Eastbourne up to 6 p.m. ...	*	*	*	4.0	*	Manchester, 9 p.m. ...	*	*	*	*	*
Brighton ... ..	*	*	*	7.3	*	Darwen, 7 p.m. ...	58	48	8m	5.7	-

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

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN. (measured at 7 a.m.)
	Max.	Min.				at 1 p.m. °	at 1 p.m. °		
28. IX. 02					27. IX. 02				
Marseilles ... ..	Information	not yet recd.		Ins.	Geneva ... ..	61	6		Ins.
Utrecht ... ..					Berne ... ..	59	0		-
Copenhagen ... ..					Lucerne ... ..	61	0		-
Prague ... ..					Lausanne ... ..	?	?		-
Vienna ... ..					Lugano ... ..	68	6		-
Buda-Pesth ... ..					Locarno ... ..	?	?		-
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.

29. IX. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.51	11.43	5.35
Greenwich ... ..	5.58	11.50	5.42
Wick ... ..	6.14	12.2	5.60
Valencia ... ..	6.39	12.51	6.23

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, 8d.

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, 30<sup>th</sup> September, 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.		Barometre.		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.)	Weather.	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.				
																			Ins.			Ins.
SCANDINAVIA.	Haparanda ...	29.98	31	N	4	0	30.11	+3.9	30	28	-13	N	2	0	-	45	30	-	-			
	Hernösand ...	30.06	44	Z	0	0	30.19	+3.0	39	37	-14	Z	0	0	-	57	39	-	-			
	Stockholm ...	29.99	52	W	2	0	30.08	-0.2	44	42	+2	N	2	0	-	57	37	-	-			
	Wisby ...	30.02	52	SSW	2	0	30.02	-1.7	49	48	+2	NE	2	0	-	52	39	-	-			
	Karlstad ...	30.06	52	NNW	2	0	30.16	-0.3	44	40	+6	NNE	2	0	-	52	39	-	-			
	Færder (X'ania Fjord) ...	30.08	52	Z	0	0	30.13	-0.8	49	45	+2	NE	2	0	-	54	47	-	-			
	Bodö ...	30.17	37	N	2	0	30.25	+2.7	36	32	-5	N	2	0	-	41	32	-	-			
	Christiansund ...	30.24	48	W	5	0	30.27	+0.6	43	42	-5	E	1	0	-	48	42	-	0.43			
Skudesnaes ...	30.15	50	NNW	6	0	30.11	-2.1	48	47	0	N	4	0	-	54	47	-	-				
BRITISH ISLANDS.	Sumburgh Head ...	30.32	51	NW	2	0	30.24	-1.1	48	48	-2	NW	1	0	-	55	46	-	-			
	Stornoway ...	30.37	55	NE	1	0	30.27	-1.7	53	52	-1	N	1	0	-	60	51	0.0	-			
	Malin Head ...	30.34	55	NE	1	0	30.22	-2.1	55	55	-1	E	2	0	-	56	54	-	0.01			
	Blacksod Pt. ...	30.30	59	E	3	0	30.20	-2.1	57	54	+2	E	3	0	-	63	55	-	-			
	Valencia... ..	30.22	56	W	1	0	30.14	-2.0	51	48	+6	ENE	1	0	-	61	42	9.3	-			
	Roche's Point ...	30.23	53	E	3	0	30.14	-2.2	50	48	-5	N	2	0	-	62	46	-	-			
	Parsonstown ...	30.27	55	E	1	0	30.16	-2.4	54	52	+4	ENE	1	0	-	61	49	7.8	-			
	Donaghadee ...	30.30	55	N	3	0	30.21	-2.2	55	54	+1	NE	3	0	-	56	53	-	-			
	Liverpool Obsy. ...	30.26	52	NNE	1	0	30.10	-3.0	53	51	+5	NNE	1	0	-	54	48	-	-			
	Holyhead ...	30.25	55	NE	3	0	30.13	-2.6	56	53	+7	NE	3	0	-	56	47	-	-			
	Pembroke (St. Ann's) ...	30.20	52	ENE	4	0	30.10	-2.4	50	46	+2	NE	4	0	-	57	45	8.7	-			
	Scilly (St. Mary's) ...	30.14	55	ENE	4	0	30.04	-2.4	53	50	-3	ENE	4	0	-	58	52	9.7	-			
	Jersey (St. Aubins) ...	30.06	55	NE	5	0	29.90	-3.0	56	51	+1	NE	6	0	-	58	52	4.5	0.13			
	Portland Bill ...	30.15	51	NE	3	0	29.98	-2.9	49	45	0	NE	4	0	-	58	45	-	-			
	Dungeness ...	30.07	55	E	6	0	29.96	-2.4	56	54	+1	E	6	0	-	59	53	-	-			
	Wick ...	30.35	55	WNW	2	0	30.25	-1.6	53	52	-1	WNW	3	0	-	59	50	-	-			
Nairn ...	30.34	55	E	1	0	30.26	-1.7	54	53	-2	Z	0	0	-	63	51	0.08	-				
Aberdeen ...	30.31	55	NW	2	0	30.22	-1.9	53	51	-3	NW	2	0	-	59	52	0.0	-				
Leith ...	30.31	55	NW	1	0	30.20	-2.0	54	52	0	Z	0	0	-	60	52	-	-				
North Shields ...	30.25	53	N	2	0	30.11	-2.8	53	52	+4	NNE	3	0	-	54	47	0.01	-				
Spurn Head ...	30.23	54	NE	4	0	30.03	-3.0	54	53	+2	NNE	3	0	-	59	52	0.02	-				
Yarmouth ...	30.17	55	NE	5	0	30.01	-2.6	54	51	-1	NE	4	0	-	60	50	0.01	-				
Loughborough ...	30.24	52	NE	3	0	30.07	-2.9	51	50	+3	NW	1	0	-	57	46	0.01	-				
Oxford ...	30.20	47	NE	1	0	30.07	-2.5	44	43	-4	NNW	1	0	-	57	36	-	-				
London (Brixton) ...	30.15	53	NE	2	0	30.02	-2.1	51	46	+2	NE	3	0	-	58	48	0.7	-				
GERMANY, &c.	The Scaw (Skågen) ...	30.10	50	W	1	0	30.09	-1.7	50	48	+5	E	2	0	-	55	43	-	-			
	Fanö ...	30.15	51	W	2	0	30.07	-2.7	51	50	+13	S	2	0	-	54	37	0.16	-			
	Cuxhaven ...	30.19	50	N	2	0	30.08	-2.4	43	42	-3	S	1	0	-	52	41	-	-			
	The Helder ...	30.15	53	NE	3	0	30.01	-2.5	52	48	0	ESE	1	0	-	55	50	-	-			
	Brussels ...	*	*	*	*	*	29.94	-2.7	42	42	+1	ENE	2	0	-	55	40	-	-			
	Berlin ...	30.16	49	E	1	0	30.07	-2.0	44	43	0	E	2	0	-	57	41	-	-			
	Frankfurt ...	30.02	47	NE	4	0	29.89	-2.2	49	46	+1	NE	4	0	-	59	46	-	-			
	Munich ...	29.89	46	E	5	0	29.85	-1.5	47	46	+4	Z	0	0	-	52	43	-	-			
FRANCE.	C. Gris Nez ...	30.08	53	NE	6	0	29.98	-2.3	48	47	0	ENE	4	0	-	61	42	-	-			
	Brest ...	30.07	51	NE	1	0	29.94	-2.9	50	50	+1	NE	1	0	-	61	47	0.12	-			
	Lorient ...	29.95	53	NE	4	0	29.89	-2.9	51	50	-1	NE	4	0	-	64	49	-	-			
	Rochefort ...	29.92	52	NE	5	0	29.83	-2.5	48	46	0	ESE	2	0	-	61	45	-	-			
	Biarritz ...	29.96	52	Z	0	0	29.85	-2.4	50	48	+3	SW	4	0	-	61	46	0.32	-			
	Paris ...	29.96	48	NNE	3	0	?	?	48	46	+5	NE	2	0	-	52	43	0.08	-			
SPAN. PEN.	Belfort ...	29.83	45	ENE	4	0	29.81	-0.7	45	45	0	ESE	2	0	-	49	42	-	-			
	Lyons ...	29.89	46	N	1	0	29.86	-0.5	45	43	+1	NW	1	0	-	47	42	-	-			
	Nice ...	29.71	62	E	1	0	29.77	+1.0	55	51	-4	NNE	2	0	-	68	52	0.08	-			
	Perpignan ...	29.82	56	N	3	0	29.81	-0.2	48	46	-6	NW	1	0	-	60	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 Tuesday, 30<sup>th</sup> September, 1902.

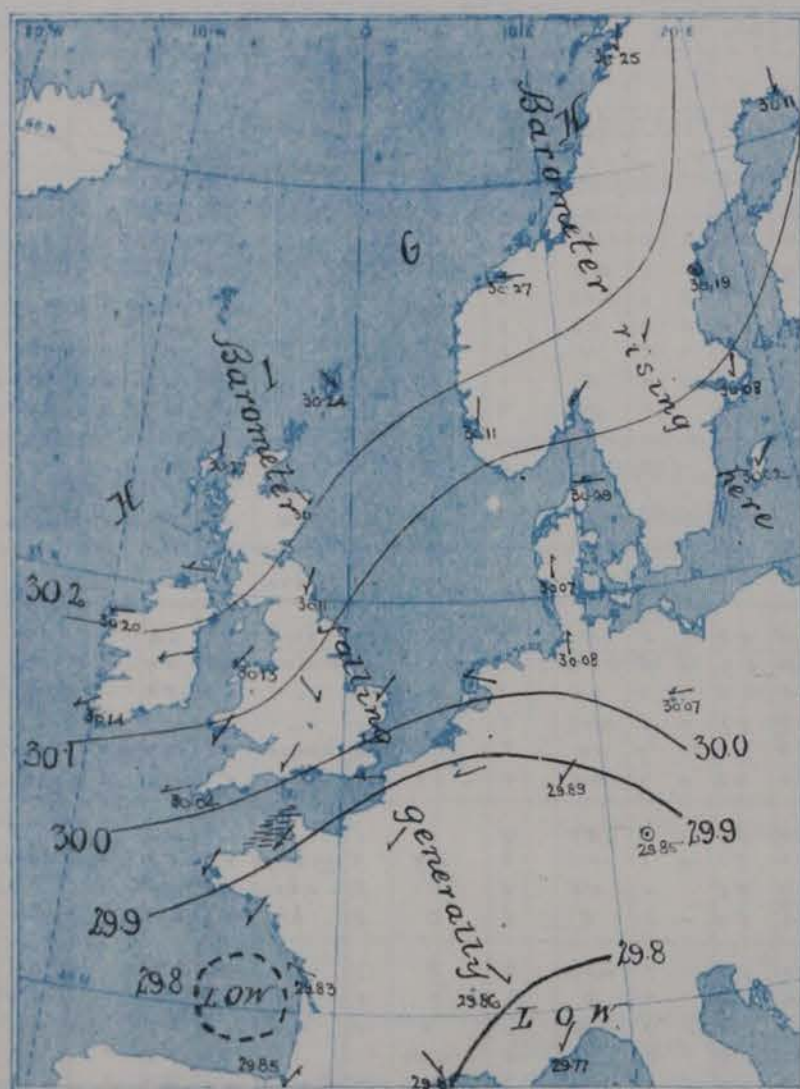
## I. BAROMETER, WIND AND SEA. This Morning.

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. Low.



## 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 SEPTEMBER. (1871-1900)



## 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 continued to decrease over the British Islands, the North Sea and France, but has increased considerably over the north of Scandinavia, and the change is spreading. Readings are still highest in the north, and range from 30.27 ins. both at Christiansund and Stornoway to 29.77 ins. at Heli.

### WIND

The wind continues NE<sup>ly</sup> at all but the northern stations and is moderate to strong in force on our southern coasts, but in Scotland it is light, and very variable, while in Lapland it is light from N.

### TEMPERATURE

Temperature has changed irregularly; it has risen greatly at Newton Reigny, but fallen quite as decidedly in the north of Sweden; elsewhere the changes are slight. The values are above the normal at our northern, and below it at several of our southern stations.

### WEATHER

The weather has become rainy at Fano, locally, at Brest, and at Christiansund; as a whole it is cloudy but fair. Sea is rough at Jersey, moderate generally in the south, smooth in the north.

### AND

### SEA

The maximum temperatures recorded in our Islands yesterday were above 60° at some of the western and northern stations only; in the west and south of France they were very similar. Rain fell at several of the continental stations and there was a very slight sprinkling in many parts of England. The amount of bright sunshine was again large on our south and southwest coasts; at Aberdeen and Stornoway there was none.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The position of the high pressure area is more easterly than it was and there are several indications of a change in the weather shortly to milder and less fair conditions, but none of them are very decided at present.

## FORECASTS \*

For the 24 hours ending at NOON on 1<sup>st</sup> OCTOBER 1902.

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	Calms and light NE <sup>ly</sup> winds; fair generally.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	NE <sup>ly</sup> winds, moderate; fair as a whole.
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	NE <sup>ly</sup> winds, fresh to moderate; fair.

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	Same as Nos 0 + 1.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	NE <sup>ly</sup> winds, moderate to light; fair.
9	{ IRELAND NORTH	
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.							PART 24 HOURS.				
	Bar. Ins.	Temp. °	Wind	Weather	Barometer. Ins. Change	Temperature.			Wind	Weather	Sea	Weather	Temperature		Sun- shine. Hrs.	Rainfall Ins.
						Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	bc	*	r, bc	57	48	5.4	0.08
Newton Reigny (Penrith) ...	30.26	52	WNW 1	o	30.11 - 30	52	50	+ 13	NNW 3	c	*	c, om	54	37	0.5	-
Bath ... ..	30.16	53	N 2	bc	30.05 - 26	45	44	- 2	NW 1	c	*	-	57	38	4.5	-

## 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. ...	55	44	bc	2.6	-	Worthing ... ..	*	*	*	5.4	*
Birmingham, 9 p.m. ...	55	43	c	2.3	-	Llandudno ... ..	*	*	*	7.4	*
Lowestoft, up to 6 p.m. ...	54	50	c	1.7	0.01	Rhyl up to 6 p.m. ...	*	*	*	5.7	*
Hastings ... ..	*	*	*	9.2	*	Southport, 9 p.m. ...	56	35	bc, o	5.5	-
Eastbourne up to 6 p.m. ...	*	*	*	8.7	*	Manchester, 9 p.m. ...	60	41	bc	2.3	-
Brighton ... ..	*	*	*	6.3	*	Darwen, 9 p.m. ...	54	39	ow	3.5	-

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.						
29. IX. 02					28. IX. 02			
Marseilles ... ..	72	46	bc	o	Geneva ... ..	not yet recd		Ins.
Utrecht ... ..	61	37	bc	bc	Berne ... ..			
Copenhagen ... ..	52	41	bc	f	Lucerne ... ..			
Prague ... ..	54	46	o	o	Lausanne ... ..			
Vienna ... ..	61	48	o	o	Lugano ... ..			
Buda-Pesth ... ..	64	54	bc	2	Locarno ... ..			
St. Petersburg ... ..	50	43	bc	o				
Rome ... ..	71	61	o	o				
Malta ... ..	76	66	?	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.

30. IX. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.53	11.43	5.33
Greenwich ... ..	6.0	11.50	5.40
Wick ... ..	6.17	12.2	5.47
Valencia ... ..	6.41	12.31	6.21

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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.



# ADDITIONS AND CORRECTIONS TO THE

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

DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather.	Barometer.		Temperature.			Wind.		Sea (0 to 9).	Weather.	Temp.		Sun-shine.	Rainfall.		
		At 3 <sup>30</sup> and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12).		At 8 <sup>30</sup> Fabr. and M.S.L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Dirac.	Force (0 to 12).			Max.	Mfn.				
		Ins.	°				Ins.	Ins.	°	°	°							Hours.	Ins.		
1 <sup>st</sup>	Corunna	30.00	71	SSW	3	o	30.00	-05	65	63	+1	S	3	o	2	-	72	59	-	0.08	
"	Lisbon	30.09	65	NW	4	o	30.08	-04	68	64	+3	NNW	1	o	-	-	77	63	-	-	
"	P. Delgada	30.04	71	SW	4	o	30.00	-12	69	67	o	SW	3	c	3	-	72	68	-	0.04	
2 <sup>nd</sup>	Corunna	30.00	72	NE	3	o	29.81	-19	66	64	+1	S	4	o	3	-	72	61	-	0.24	
"	Lisbon	30.07	68	NW	1	o	30.00	-08	?	66	?	WSW	1	o	-	-	77	63	-	-	
3 <sup>rd</sup>	Corunna	29.80	72	SSW	6	o	29.92	+11	63	59	-3	W	3	o	4	-	73	55	-	-	
"	Lisbon	30.01	69	SSW	4	o	30.01	+01	69	65	?	NNW	2	o	-	-	73	66	-	-	
"	P. Delgada	30.14	65	N	3	o	29.93	-06	66	57	-2	NNW	2	o	3	-	73	63	-	-	
4 <sup>th</sup>	Corunna	30.02	66	W	5	o	30.04	+12	60	58	-3	W	1	o	3	-	72	54	-	-	
"	Lisbon	30.08	64	NNW	5	o	30.15	+14	67	60	-2	NNW	4	o	-	-	77	63	-	-	
"	P. Delgada	30.28	66	N	2	o	30.31	+38	68	63	+2	NNW	2	o	2	-	73	64	-	-	
5 <sup>th</sup>	Corunna	30.15	66	W	3	o	30.28	+24	63	63	+3	W	2	o	5	-	68	57	-	0.04	
6 <sup>th</sup>	Corunna	30.32	65	W	1	o	30.28	00	56	54	-7	W	1	f	3	-	66	50	-	-	
"	Lisbon	30.19	63	NNW	5	o	30.16	-08	69	59	+4	NNE	4	o	-	-	73	63	-	-	
"	P. Delgada	30.39	67	W	1	o	30.38	-01	68	66	+2	Z	o	c	1	-	75	64	-	-	
7 <sup>th</sup>	Corunna	30.12	73	S	2	o	30.06	-22	75	68	+19	SW	1	o	0	-	82	56	-	-	
"	Newton Reigny	30.02	58	SW	1	o	30.15	+15	57	56	+3	Z	o	o	-	09	62	53	0.0	-	
8 <sup>th</sup>	Corunna	29.92	61	SW	3	+	29.85	-21	54	52	-21	SW	3	f	3	-	75	48	-	0.12	
"	P. Delgada	30.19	65	NNW	3	o	30.10	-18	64	59	-3	NW	3	o	2	-	73	63	-	-	
9 <sup>th</sup>	Brussels	-	-	-	-	-	30.06	-20	59	-	-2	ESE	1	o	-	-	70	51	-	-	
"	Corunna	29.80	64	SSW	3	o	29.82	-03	61	58	+7	S	3	o	3	-	72	54	-	0.12	
"	P. Delgada	30.02	67	ESE	3	o	29.92	-18	62	64	-2	NNW	2	o	3	-	72	?	-	0.04	
10 <sup>th</sup>	Corunna	29.87	66	S	3	c	30.01	+19	61	60	o	SSW	3	o	3	-	70	55	-	-	
"	Lisbon	30.07	65	WSW	3	o	30.11	+12	61	61	-5	NNW	1	f	-	-	70	59	-	-	
"	P. Delgada	29.92	68	WSW	4	c	29.89	-03	70	65	+8	WSW	5	f	4	-	73	62	-	-	
11 <sup>th</sup>	Corunna	30.00	68	S	3	o	29.86	-15	66	63	+5	SSW	3	o	3	-	72	59	-	0.12	
"	Lisbon	30.13	65	SW	3	o	30.06	-05	67	66	+6	SSW	4	o	-	-	70	61	-	-	
"	P. Delgada	30.01	67	Z	o	m	29.99	+10	70	69	o	WSW	4	c	4	-	72	66	-	0.28	
12 <sup>th</sup>	Corunna	29.81	68	W	3	c	29.93	+07	62	60	-4	W	3	o	3	-	72	55	-	0.08	
"	P. Delgada	30.02	71	S	4	m	29.93	-06	71	70	+1	S	5	m	4	-	75	70	-	-	
13 <sup>th</sup>	Lyon	29.79	64	SW	1	o	29.89	+09	56	?	-5	NW	1	f	-	-	72	55	-	0.28	
"	Corunna	30.00	65	NNW	3	f	30.13	+20	59	57	-3	NW	3	f	?	-	?	?	-	0.08	
"	Lisbon	30.05	65	NW	3	c	30.09	+05	65	62	-1	NNW	3	o	-	-	73	61	-	0.04	
"	P. Delgada	29.93	69	SSE	3	o	29.91	-02	76	68	+5	N	3	o	3	-	?	68	-	0.04	
"	Lowestoft	-	-	-	-	-	-	-	-	-	-	-	-	-	-	o	57	49	3.3	0.42	
14 <sup>th</sup>	Newton Reigny	29.89	48	W	3	o	29.70	-31	52	50	+11	W	2	o	-	o	53	40	6.7	0.05	
15 <sup>th</sup>	Corunna	30.16	64	NNW	3	o	30.16	00	54	52	-1	N	1	f	o	-	?	?	-	-	
16 <sup>th</sup>	Corunna	30.16	64	NNW	4	o	30.20	+04	54	52	o	N	1	f	2	-	64	48	-	-	
17 <sup>th</sup>	Corunna	30.12	65	NNW	3	o	30.01	-19	58	55	+4	N	1	f	3	-	66	52	-	-	
18 <sup>th</sup>	Corunna	30.20	64	SW	3	o	30.17	+16	?	53	?	NNW	1	f	3	-	66	48	-	-	
"	Lisbon	29.99	74	NNW	4	o	29.97	-18	68	62	-1	NNW	2	o	-	-	81	64	-	-	
"	P. Delgada	29.86	69	SSE	1	o	29.80	-15	70	68	+2	SW	4	o	4	-	73	62	-	-	
19 <sup>th</sup>	Brussels	-	-	-	-	-	30.11	+23	49	-	o	WSW	1	o	-	-	60	40	-	0.04	
"	Corunna	29.96	75	NNE	3	o	30.01	-16	63	60	?	NNE	1	f	2	-	77	57	-	-	
"	Lisbon	30.01	69	WSW	2	o	30.05	+03	66	61	-2	NNW	1	c	-	-	79	63	-	-	
"	P. Delgada	29.85	70	W	4	o	29.89	+09	70	67	o	WSW	3	o	4	-	75	68	-	-	
20 <sup>th</sup>	Corunna	30.08	66	NNE	3	f	30.16	+15	63	60	o	E	1	o	3	-	68	57	-	-	
"	Lisbon	30.13	68	NNW	3	o	30.13	+08	68	63	+2	NNW	3	o	-	-	77	63	-	-	
21 <sup>st</sup>	Brussels	-	-	-	-	-	30.32	-07	48	-	-2	ESE	1	o	-	-	61	41	-	-	
"	Newton Reigny	30.16	53	SE	1	+	30.15	-08	53	50	+5	SE	1	o	-	ogmā	56	48	0.0	0.01	
22 <sup>nd</sup>	Corunna	30.06	68	NW	1	o	30.02	-04	65	63	+4	N	1	o	3	-	73	59	-	-	
"	Lisbon	30.05	68	NNW	3	o	?	?	72	67	+2	W	2	o	-	o	79	57	-	-	
"	P. Delgada	30.12	66	NW	3	o	30.06	+06	67	62	+2	Z	o	o	3	-	72	64	-	-	
23 <sup>rd</sup>	The Herald	30.21	57	ESE	3	c	30.13	-09	51	-	-6	SE	1	c	1	-	64	50	-	-	
"	Corunna	29.99	68	NNW	3	o	30.04	+02	62	59	-3	W	3	o	3	-	73	55	-	0.04	
"	P. Delgada	30.24	64	N	3	o	30.23	+17	65	62	-2	E	3	o	3	-	73	64	-	-	
24 <sup>th</sup>	Corunna	30.14	66	NNW	3	o	30.23	+19	60	59	-2	WSW	3	o	5	-	68	55	-	-	
"	Lisbon	30.19	63	N	5	o	30.21	?	63	55	?	N	5	o	-	-	75	59	-	-	
"	P. Delgada	30.20	70	SSE	5	o	30.11	-12	70	63	+5	S	5	c	5	-	73	65	-	-	
25 <sup>th</sup>	Brussels	-	-	-	-	-	30.29	+22	57	-	o	NNE	1	f	-	-	64	55	-	0.28	
"	Corunna	30.30	64	NNW	3	o	30.22	+09	52	50	-8	NNW	1	o	5	-	66	46	-	-	
"	Lisbon	30.17	63	NNW	5	o	30.16	-05	64	56	+1	N	3	o	-	-	73	59	-	-	
"	P. Delgada	29.85	71	S	5	o	30.03	-08	71	69	+1	S	5	m	6	-	75	70	-	-	



# REPORTS FOR SEPT, 1902.

DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.				
		Barom. At 8 <sup>25</sup> and M.S.L.	Temp. Dry Bulb.	Wind.		Weather.	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9).	Weather.	Temp.		Sun- shine.	Rainfall.	
				Direc.	Force (10 to 12).		At 8 <sup>25</sup> Fabr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12).				Max.	Min.			
		Ins.	°				Ins.	Ins.	°	°	°								Hours	Ins.	
26 <sup>h</sup>	Corunna.	30.26	64	N	3	C	30.24	-0.08	55	-	+3	NNE	2	C	1	-	-	66	50	-	-
"	Lisbon.	30.06	68	NNE	5	B	30.06	-1.0	66	-	+2	NNE	5	B	-	-	-	77	64	-	-
"	P. Delgada.	30.10	69	S	1	C	30.08	+1.05	70	-	-1	SE	4	O	3	-	-	75	68	-	-
27 <sup>h</sup>	Corunna.	30.19	73	NE	3	O	30.20	-0.04	57	-	+2	NE	1	f	2	-	-	73	52	-	-
"	Lisbon.	30.05	71	NNW	4	B	30.10	+1.04	65	-	-1	NNE	4	B	-	-	-	79	61	-	-
"	P. Delgada.	30.08	71	SE	4	O	30.05	-0.3	70	68	0	SSB	5	O	5	-	-	75	70	-	-
28 <sup>h</sup>	Corunna.	30.15	73	NE	1	Bc	30.12	-0.8	58	57	+1	NE	1	f	3	-	-	73	52	-	-
"	Newton Reigny.	30.41	56	Z	0	Bc	30.46	+0.4	48	47	-1	Z	0	B	-	c, m, b	63	44	0.7	-	
29 <sup>h</sup>	Corunna.	30.07	70	ESE	3	f	30.04	-0.8	60	57	+2	BNE	3	B	3	-	-	72	54	-	-
"	Lisbon.	29.45	69	NNW	4	B	29.89	-1.1	68	60	+1	Z	0	B	-	-	-	79	64	-	-
30 <sup>h</sup>	Corunna.	29.94	65	NE	3	C	29.89	-1.5	68	-	+8	NE	2	C	0	-	-	68	60	-	-
"	Lisbon.	29.83	64	W	4	B	29.79	-1.0	65	63	-3	WSW	3	O	-	-	-	66	61	-	-
"	P. Delgada.	29.99	64	SE	2	O	29.92	0.0	66	-	0	NNE	1	O	1	-	-	73	64	-	0.47
2. CORRECTIONS.																					
1 <sup>st</sup>	Stockholm.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.12
4 <sup>th</sup>	Pembroke.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	-	-	-
5 <sup>th</sup>	Dungeness.	-	-	-	-	-	30.04	+1.08	-	-	-	-	-	-	-	-	-	-	-	-	-
7 <sup>th</sup>	London.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.72	68	-	-	0.02
8 <sup>th</sup>	Portland.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c, r	-	-	-	-
9 <sup>th</sup>	Holyhead.	-	-	-	-	-	30.25	-	-	-	-	-	-	-	-	-	-	63	-	-	-
"	Main Head.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72	-	-	-
"	Valencia.	-	-	-	-	-	-	-	-	55	-	-	-	-	-	-	-	62	-	-	-
10 <sup>th</sup>	Lyons.	-	-	-	-	-	? 30.01	-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-
11 <sup>th</sup>	Roches Point.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	-	-
12 <sup>th</sup>	Spurn Head.	-	61	-	-	-	-	-	-	51	-	-	-	-	-	-	-	-	-	-	-
13 <sup>th</sup>	Bath.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Valencia.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-
"	Parsonstown.	-	-	-	-	-	30.18	+2.8	-	-	-	-	-	-	-	-	-	46	-	-	-
14 <sup>th</sup>	London.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15 <sup>th</sup>	Leith.	-	-	-	-	-	29.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16 <sup>th</sup>	Main Head.	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-
"	Blackpool Pt.	-	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17 <sup>th</sup>	Leith.	-	-	-	-	-	29.76	+4.1	-	-	-	-	-	-	-	-	-	-	-	-	-
18 <sup>th</sup>	Scilly.	-	-	-	-	-	-	-	-	59	-	0	-	-	-	-	-	-	-	-	-
"	Main.	29.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 <sup>th</sup>	Main Head.	-	-	-	-	-	-	-	-	-	-	-	SE	-	-	-	-	-	-	-	-
"	Bransby.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	-	-	-
22 <sup>nd</sup>	Haparanda.	-	-	-	-	-	? 30.21	-1.2	-	-	-	-	-	-	-	-	f, r	-	-	-	-
"	Roches Point.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Pembroke.	-	-	-	-	-	-	-	-	58	-	-	-	-	-	-	-	-	-	-	-
"	Main.	-	-	-	-	-	29.90	-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Spurn Head.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04	-
"	The Scaw.	? 30.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Clacton-on-Sea.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	-	-
"	Newton Reigny.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	-
23 <sup>rd</sup>	Roches Point.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16	-
"	Pembroke.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.77	-
"	Main.	-	-	-	-	-	? 30.04	-1.2	-	-	-	-	-	-	-	-	-	-	-	-	-
24 <sup>th</sup>	Portland Bill.	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	-	-	0.02
"	Yarmouth.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25 <sup>th</sup>	Swanburgh Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	-	-
27 <sup>th</sup>	Parsonstown.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain.
28 <sup>th</sup>	Dungeness.	-	-	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-