

M.O. FORM 2610

**METEOROLOGICAL OFFICE,**  
LONDON.

**DAILY WEATHER REPORTS**

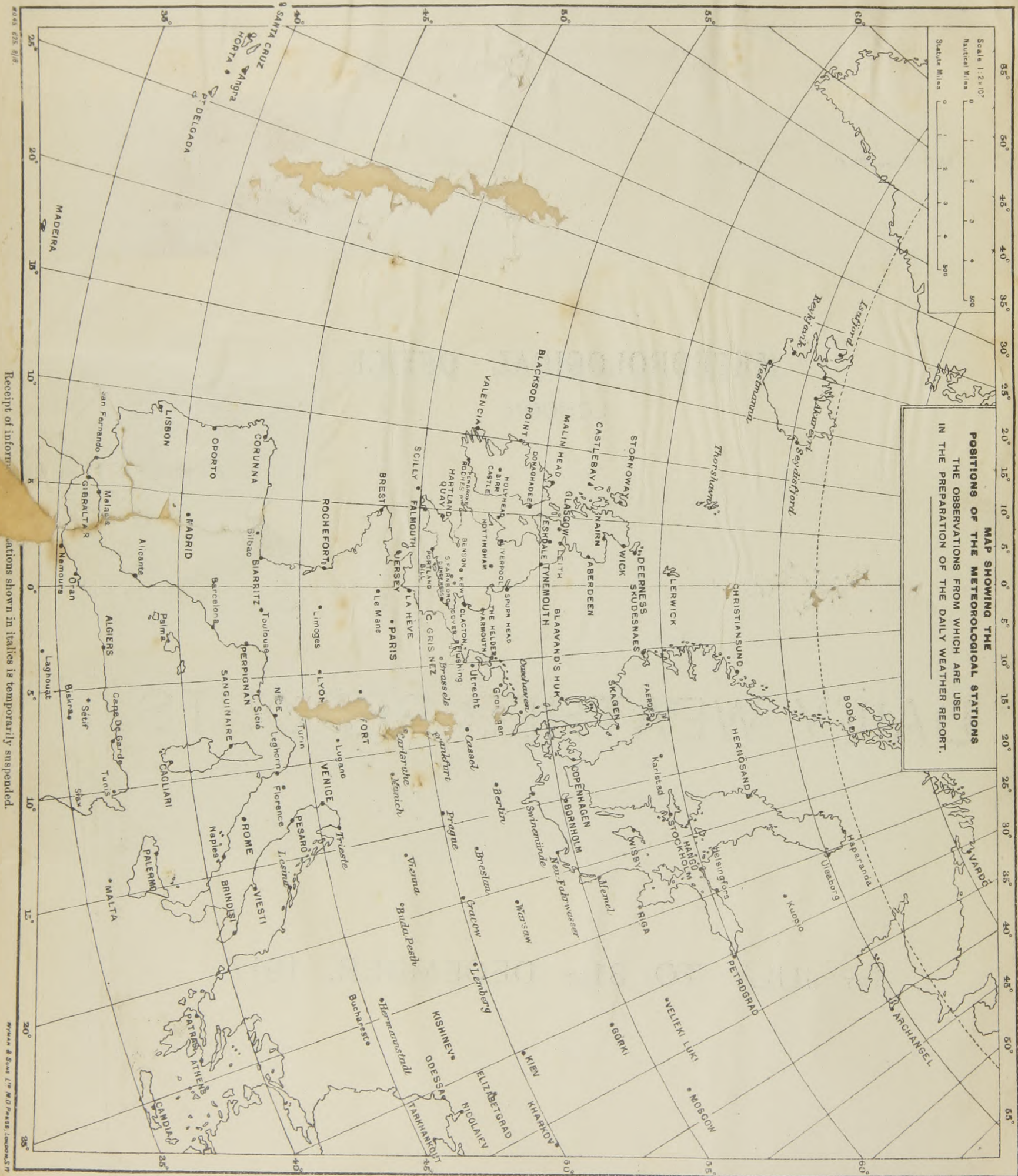
1<sup>ST</sup> JULY TO 31<sup>ST</sup> DECEMBER, 1917.



# DAILY WEATHER REPORT, JULY-DECEMBER, 1917.

Scale 1:2x10<sup>7</sup>  
Nautical Miles  
0 1 2 3 4 500  
Statute Miles  
0 1 2 3 4 500

MAP SHOWING THE  
POSITIONS OF THE METEOROLOGICAL STATIONS  
THE OBSERVATIONS FROM WHICH ARE USED  
IN THE PREPARATION OF THE DAILY WEATHER REPORT.



Receipt of information

stations shown in italics is temporarily suspended.

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# DAILY WEATHER REPORT. APPENDIX I.

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

### THIRD QUARTER, JULY TO SEPTEMBER.

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

	STATIONS.	PRESSURE 1906-1915.  7 a.m. Observations (reduced to M.S. Level).	AIR TEMPERATURE. /								RAINFALL 1881-1915.		BRIGHT SUNSHINE. 1881-1915.					
			Means of			Absolute Extremes.												
			1906-1915.	1881-1915.		1881-1915.												
				Dry Bulb 7 a.m.	Daily Maxi- mum.	Daily Mini- mum.	Maximum.		Minimum.		Days with Rain.	Total Fall.	Daily Mean.	Per Cent- age of Possible Duration.				
							Temp.	Year.	Temp.	Year.								
		mb.	°F.	°F.	°F.	°F.	°F.		°F.		mm.	in.	hr.	%				
JULY.	Lerwick	1012.5	51.7	57.0	48.2	70	1897, 1911	37	1888	17	58	2.29	—	—				
	Stornoway	1013.1	53.5	60.2	48.9	76	1894	32	1888	21	77	3.03	4.68	27				
	Castletbay (Barra Isd.)	1013.2	54.4	62.8	51.6	73	1914	44	1913	18	69	2.70	5.42	32				
	Eskdalemuir	1014.8	53.8	62.8	46.9	83	1911	34	1914	16	90	3.56	5.10	31				
	Malin Head	1013.4	54.5	60.6	52.3	79	1911	42	1888, 1902	19	72	2.84	—	—				
	Blackod Point	1014.8	56.1	62.2	53.2	80	1894	42	1898	21	80	13.15	—	—				
	Valencia	1016.3	56.9	63.8	53.8	81	1911	40	1907	21	96	3.78	5.13	32				
	Roche's Point	1016.5	56.6	64.7	53.7	76	1887, 1912	43	1907	15	73	2.88	—	—				
	Birr Castle	1015.4	55.2	66.3	51.3	86	1911	37	1889	17	75	2.95	4.65	29				
	Donaghadee	1014.6	54.5	61.2	51.8	80	1887	40	1883, 1902	17	71	2.80	—	—				
	Liverpool (Observatory)	1015.1	56.6	63.7	54.2	88	1901	45	1888, 1907, 13	15	66	2.59	6.03	37				
	Holyhead	1015.1	56.9	63.3	53.6	85	1901	43	1888	16	66	2.61	5.87	36				
	Pembroke (St. Ann's Hd.)	1015.7	56.4	62.3	54.5	82	1911	43	1910	14	63	2.47	6.68	42				
	Seilly (St. Mary's)	1016.7	57.9	64.8	56.2	78	1911	47	1910	15	56	2.22	6.97	45				
	Fa mouth	1017.0	58.6	65.8	55.1	80	1885	46	1897	15	72	2.84	7.26	46				
	Jersey (St. Aubin's)	1017.4	60.2	68.3	56.4	87	1900, 1901	44	1907, 1909	13	53	2.10	7.94	51				
	Portland Bill	1016.2	58.5	64.5	55.8	79	1901, 1912	49	1900, 1907	11	44	1.74	—	—				
	Dungeness	1015.6	59.1	66.6	55.1	82	1900	40	1890	12	46	1.81	—	—				
	Dover	1015.5	59.7	66.7	55.8	87	1911	44	1913	14	50	2.19	6.77	43				
	Wick	1012.9	52.6	60.6	48.4	80	1899, 1901	36	1886	18	67	2.63	—	—				
	Nairn	1013.0	53.8	64.3	49.1	85	1901	30	1906	18	68	2.68	4.52	27				
AUGUST.	Aberdeen	1013.5	55.1	62.8	50.3	83	1885	38	1898, 1903	17	71	2.81	5.13	30				
	Leith	1013.7	55.8	65.8	51.4	83	1901	41	1887, 88, 92, 1903	16	65	2.55	—	—				
	Tynemouth	1014.2	55.8	64.2	51.3	82	1911	39	1909	14	61	2.40	—	—				
	Spurn Head	1014.4	57.4	65.0	54.3	86	1911	44	1888	12	45	1.78	5.10	31				
	Yarmouth	1014.8	58.1	66.2	54.7	87	1881	42	1890	13	59	2.34	6.45	40				
	Clacton-on-Sea	1015.5	58.8	67.7	54.7	92	1911	40	1901	11	49	1.92	7.00	44				
	Nottingham	1015.2	57.0	69.7	52.2	92	1881	37	1888	15	61	2.38	5.71	35				
	LONDON (Kew Obsy.)	1016.1	58.5	71.0	54.3	90	1881	43	1882, 1884	12	55	2.17	6.48	41				
	Lerwick	1010.4	52.4	57.1	48.4	82	1910	38	1885, 95, 1909	20	76	3.01	—	—				
	Stornoway	1011.4	53.3	60.0	49.0	75	1897, 1899	33	1888	22	101	3.97	4.29	28				
	Castletbay (Barra Isd.)	1012.1	55.0	62.8	52.2	75	1911	44	1912	18	83	3.27	4.65	31				
	Eskdalemuir	1014.0	51.8	61.8	46.5	79	1914	31	1912	18	122	4.79	4.19	29				
	Malin Head	1011.8	55.0	61.0	52.8	80	1900	42	1912	21	90	3.52	—	—				
	Blackod Point	1013.0	56.6	62.1	53.4	78	1899, 1911	42	1887, 88, 1912	22	116	4.58	—	—				
	Valencia	1014.9	57.1	63.9	53.9	81	1899	42	1890, 1912	22	122	4.79	5.00	35				
	Roche's Point	1015.3	56.8	64.5	53.7	78	1887	41	1912	18	96	3.78	—	—				
	Birr Castle	1014.1	54.7	65.4	50.8	83	1911	35	1885, 1887	19	97	3.81	4.58	32				
	Donaghadee	1013.2	54.5	63.1	51.9	78	1899	38	1886	19	84	3.32	—	—				
	Liverpool (Observatory)	1014.0	56.7	65.0	53.9	87	1911	44	1885	17	78	3.08	5.58	38				
	Holyhead	1014.0	57.5	63.4	54.0	86	1914	45	1888	17	81	3.18	6.06	42				
	Pembroke (St. Ann's Hd.)	1014.8	57.4	62.8	55.1	82	1911	46	1912	16	80	3.15	6.16	43				
SEPTEMBER.	Seilly (St. Mary's)	1015.8	58.7	65.0	56.6	76	1911	48	1912	16	67	2.62	7.10	50				
	Falmouth	1016.3	58.4	65.4	55.1	77	1909	44	1890	16	83	3.25	6.81	48				
	Jersey (St. Aubin's)	1017.0	61.2	68.8	57.1	89	1893	45	1890, 1909	14	62	2.44	7.74	54				
	Portland Bill	1015.6	59.6	65.2	56.5	81	1911	47	1911	12	54	2.12	—	—				
	Dungeness	1015.4	59.7	67.3	55.5	82	1904	39	189	13	50	1.98	—	—				
	Dover	1015.6	59.9	67.1	54.2	89	1911	44	1913	14	58	2.27	6.87	48				
	Wick	1011.2	52.6	60.6	48.4	83	1893	30	1886	21	70	2.75	—	—				
	Nairn	1011.4	53.2	61.7	48.7	86	1899	33	1885, 91, 1904	19	61	2.41	4.13	28				
	Aberdeen	1012.2	54.5	62.4	49.9	81	1882, 99, 1906	33	1885	18	70	2.74	4.84	32				
	Leith	1012.4	55.5	65.4	51.2	83	1893, 1906	38	1881, 1892	17	75	2.94	—	—				
	Tynemouth	1013.2	55.5	64.2	51.1	83	1893	38	1912	16	70	2.75	—	—				
	Spurn Head	1013.8	57.7	65.1	54.4	87	1893	45	1909	14	54	2.11	5.55	38				
	Yarmouth	1014.7	58.1	66.3	54.2	85	1893	41	1902	14	63	2.47	6.20	44				
	Clacton-on-Sea	1015.3	59.1	67.5	54.9	95	1911	43	1908, 1915	14	47	1.86	6.77	48				
	Nottingham	1014.5	55.8	68.4	51.2	94	1911	37	1908	16	63	2.49	5.42	37				
	LONDON (Kew Obsy.)	1015.8	58.0	69.7	53.5	94	1911	41	1890	13	57	2.24	6.03	42				
	Lerwick	1015.5	49.7	54.6	46.5	69	1898	34	1887, 1888	20	76	3.01	—	—				
	Stornoway	1016.5	50.4	57.7	46.2	77	1906	32	1885, 1904	21	100	3.95	3.83	30				
	Castletbay (Barra Isd.)	1016.5	52.8	56.9	50.2	68	1914	39	1915	16	70	2.75	4.00	32				
	Eskdalemuir	1017.9	46.3	58.1	46.3	71	1914	27	1910, 11, 14, 15	12	60	2.36	4.27	34				
	Malin Head	1016.9	52.9	58.9	50.6	84	1906	38	1886	17	67	2.62	—	—				
	Blackod Point	1017.6	54.6	60.1	51.1	78	1899	39	1898	19	99	3.83	—	—				
	Valencia	1018.4	54.1	61.8	51.3	79	1898, 1906	35	1899	18	105	4.14	4.43	36				
	Roche's Point	1019.1	54.6	61.8	51.4	73	1895, 1906, 11, 13	39	1893	16	75	2.97	—	—				
	Birr Castle	1018.5	50.9	62.1	47.0	80	1906	29	1899	15	58	2.29	4.20	34				
	Donaghadee	1018.3	52.2	60.3	49.4	75	1906	36	1882, 94, 99, 1909	16	61	2.39	—	—				
	Liverpool (Observatory)	1018.0	52.6	61.4	50.7	87	1906	39	1885, 1914, 15	15	61	2.41	4.47	36				
	Holyhead	1018.5	54.9	61.0	51.8	77	1898	41	1912	15	68	2.68	5.60	45				
	Pembroke (St. Ann's Hd.)	1018.6	54.7	60.8	52.8	74	1895	40	1885	14	69	2.73	5.00	40				
	Seilly (St. Mary's)	1018.5	56.6	62.5	54.7	74	1911	44	1885, 88, 1912	15	62	2.45	5.60	45				
	Falmouth	1019.3	55.1	62.1	52.7	75	1906	36	1885	15	74	2.91	5.43	44				
	Jersey (St. Aubin's)	1019.3	57.7	66.0	54.6	89	1906, 1911	41	1891	14	61	2.41	6.20	50				
	Portland Bill	1018.7	56.8	62.9	54.1	75	1911	42	1915	12	48	1.88	—	—				
	Dungeness	1018.4	55.5	64.3	52.0	81	1906	32	1885	13	52	2.05	—	—				
	Dover	1018.5	55.4	63.8	50.9	87	1911	38	1915	12	50	1.96	6.33	31				
	Wick	1016.2	50.1	57.8	45.0	78	1898	29	1885, 87, 1907	19	64	2.50	—	—				
	Nairn	1016.7	48.9	60.4	44.0	84	1906	25	1892	17	56	2.20	3.87	31				
	Aberdeen	1017.5	50.6	59.2	46.7	82	1906	30	1887	17	56	2.22	4.13	33				
	Leith	1017.8	51.2	61.8	47.6	83	1898	33	1886, 1905	13	45	1.76	—	—				
	Tynemouth	1018.3	51.2	60.7	47.8	88	1906	34	1885, 89, 93, 1907	13	46	1.80	—	—				
	Spurn Head	1018.2	54.3	61.4	51.7	79	1899	38	1892, 1909	12	36	1.42	5.83	47				
	Yarmouth	1018.4	54.7	62.5	51.5	80	1911	33	1885	13	50	1.96	5.23	42				
	Clacton-on-Sea	1018.8	55.2	63.3	51.6	79	1906	38	1904, 1915	9	42	1.64	5.87	47				
	Not																	

\* Results for 30 years, 1886-1915.  
 † " " 16 " 1900-1915.  
 ‡ " " 15 " 1901-1915.  
 § Results for 9 years, 1907-1915.  
 ¶ " " 8 " 1908-1915.  
 \*\* " " 6 " 1910-1915.  
 †† Results for 5 years, 1911-1915.  
 ‡‡ " " 2 " 1914-1915.

METEOROLOGICAL OFFICE,  
 South Kensington, London, S.W.  
 March, 1916.

7055—

l. lightning; m. mist; o. overcast sky; p. passing showers; u. equals; c. rain; s. snow; t. thunder;  
 u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Saturday, 30<sup>th</sup> JUNE, 1917.

Temperature was low generally. There was almost an entire absence of rain. The south-east quarter of England had no sunshine or very little, but other districts had large records, up to 15 hours at Cahirciveen.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Saturday, 30<sup>th</sup> JUNE, UP TO 17 H.

STATIONS.	Sun- shine for 29 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine for 30 <sup>th</sup>	STATIONS.	Sun- shine for 29 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine for 30 <sup>th</sup>
		Night.	Day.	Max.	Min.	Forenoon.	Afternoon.				Night.	Day.	Max.	Min.	Forenoon.	Afternoon.	
		17h-9h.	9h-17h.	° F.	° F.						17h-9h.	9h-17h.	° F.	° F.			
Oban ...	12.0	-	-	59	44	b	b	10.8	Lowestoft ...	0.0	-	-	60	51	cv	bc.cv	0.2
Banff ...	12.4	-	-	54	39	bc.b	b	8.0	Felixstowe ...	0.0	-	-	60	51	o	o	0.0
Montrose ...	5.5	-	-	57	39	b	b	8.9	Walton-on-Naze ...	0.0	Trace	-	60	51	o	o	0.0
St. Andrews ...	*	*	*	56	49	o.c	b	8.1	Southend-on-Sea ...	0.0	Trace	-	60	51	o	o	0.0
Carnoustie ...	*	*	*	56	49	o.c	b	8.1	Margate ...	0.8	Trace	-	57	53	o	o	0.0
Harrogate ...	11.5	-	-	59	42	c.bc.b	b	8.2	Hastings ...	4.9	Trace	-	61	51	o	o	0.0
Skegness ...	*	-	-	59	52	bc	bc	3.6	Eastbourne ...	*	Trace	-	60	48	o	o	0.1
Morecambe ...	12.7	-	-	59	40	bc.c.bc	b.bc.c	10.5	Seaford ...	*	Trace	-	62	51	o	o	0.6
Southport ...	12.7	-	-	59	40	bc.c.bc	b.bc.c	10.5	Brighton ...	0.0	-	-	60	52	c	c	0.5
Leamington Spa ...	0.0	Trace	-	61	45	c.bc	bc	3.1	Worthing ...	*	-	-	60	51	-	-	0.5
Malvern ...	0.0	Trace	-	61	45	c.bc	bc	3.1	Littlehampton ...	0.0	2	-	62	47	o.c	o.c	3.5
Ross-on-Wye ...	0.0	Trace	-	61	45	c.bc	bc	3.1	Bournemouth ...	0.0	Trace	-	62	51	bc.b	b.bc.c.o	8.8
Rhyl ...	*	*	*	66	42	o	c.b		Weymouth ...	0.0	Trace	-	62	51	bc.b	b.bc.c.o	8.8
Colwyn Bay ...	*	*	*	66	42	o	c.b		Torquay ...	7.4	-	-	62	48	bc.b	b	8.5
Llandudno ...	*	*	*	66	42	o	c.b		Paignton ...	0.4	-	-	62	55	b	b	9.2
Aberystwyth ...	*	*	*	66	42	o	c.b		Penzance ...	0.4	-	-	62	55	b	b	9.2
									Newquay ...								
									Bude ...								
									Ilfracombe ...								
									Weston-s-Mare ...								

REPORTS FROM FOREIGN STATIONS FOR Saturday, 30<sup>th</sup> JUNE.

STATIONS.	EVENING OF 29th					MORNING OF 30th										MORNING OF 30th							
	BAROM. Milli- bars at M.S.L.	TEMP. ° F.	WIND.		Weather.	BAROMETER. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			Dir.	Force 0-12.				° F.	° F.					Max.	Min.			Dir.	Force 0-12.	° F.	° F.		
RUSSIA 7 a.m. and 9 p.m. Local Time.																							
Archangel ...																							
Gorki ...																							
Veliki Luki ...	1014.9	73	-	0	b	1018.9		75		SE	1	b	-	*	64	Isafjord ...	1020.2	50	-2	-	0	0	
Hangö ...	1019.0	66	-	0	b	1015.0	-1	64	+1	SSE	2	b	-	*	55	Reykjavik	1016.7	52	0	ESE	5	0	
Riga ...	1017.3	73	NE	2	o	1015.3	-2	72	-1	-	0	o	2	*	64	Vestmanna							
Petrograd ...	1019.5	77	SE	3	c	1017.5	-3	75	+7	SE	3	bc	-	81	68	Seydisfjord	1020.8	59	-11	-	0	bc	
Moscow ...	1023.1	77	-	0	b	1023.5	-1	72	0	ENE	1	b	-	*	66	Thorshavn	1029.7	55	+8	SW	3	0	
Kiev ...	1017.1	66	SE	2	c	1018.5	-3	64		NNW	2	o	11	*	63								
Kharkov ...	1018.1	66	WSW	1	c	1016.7	-1	72	+2	ENE	2	bc	1	*	63								
Kishinev ...																							
Elisabetgrad ...	1015.9	70	ENE	4	b	1013.7	-3	64		NNE	3	o	7	*	63								
Nicolaiev ...	1012.2	70	ENE	2	b	1011.3	-1	68		E	2	o	3	*	64								
Odessa ...	1012.6	73	ESE	3	b	1011.9	-1	68		ENE	2	o	1	*	66								
Tarkhankout...																							
Soukhoun ...																							
MEDITERRANEAN.																							
Venice ...	1007.2	79	-	0	bc	1010.6	*	73	0	-	0	m	-	85	72	1 <sup>st</sup> and 2 <sup>nd</sup> JULY, 1917.							
Pesaro ...						1011.4	*	77	+2	-	0	bc	-	84	66	Sunrise.	Noon.	Sunset.					
Rome ...	1013.7	75	SW	1	b	1012.7	*	75	-2	-	0	b	-	89	64	G.M.T.	G.M.T.	G.M.T.					
Viesti ...	1012.2	79	E	1	b	1011.5	*	77	0	-	0	o	-	81	72	Yarmouth ...	3.35	11.56	8.17				
Brindisi ...	1012.2	78	-	0	b	1009.9	*	70	-5	-	0	b	-	77	68	Greenwich ...	3.36	11.57	8.17				
Cagliari ...	1013.3	77	NW	5	b	1013.5	*	73	-2	NW	5	b	-	81	59	Wick ...	3.48	12.3	8.18				
Palermo ...	1013.7	75	-	0	b	1013.4	*	77			0	b	-	82	63	Valencia ...	3.49	12.4	8.18				
Tripoli ...						1016.1		73	-2	NE	1	b	-	77	63		3.11	12.15	9.19				
Algiers ...	1015.1	77	WNW	4	b	1016.3	+2	75		1	0	o	-	88	68		3.12	12.16	9.19				
SWEDEN.																							
Hernösand ...	1017.9	52	-	0	r	1016.6	*	54	0	-	0	bc	*	*	*		4.26	12.44	9.2				
Stockholm ...	1017.2	68	S	2	b	1015.9	*	57	-11	N	2	r	*	*	*		4.27	12.45	9.2				
Wisby ...	1016.4	72	S	2	b	1014.0	*	64	+1	N	2	c	*	*	*								

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

1 <sup>st</sup> and 2 <sup>nd</sup> JULY, 1917.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	3.35	11.56	8.17
Greenwich ...	...	3.48	12.3	8.18
Wick ...	...	3.11	12.15	9.19
Valencia ...	...	4.26	12.44	9.2

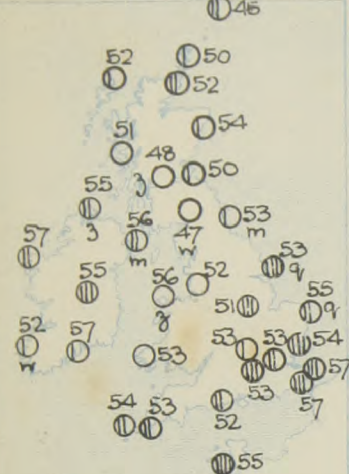
NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; i, lightning; m, mist; o, overcast sky; p, passing showers; q, squalls; r, rain;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

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



# THE MORNING OF SUNDAY, 1<sup>ST</sup> JULY, 1917.

TEMPERATURE, WEATHER AND  
SEA DISTURBANCE



FORECAST DISTRICTS.



## EXPLANATION.

**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**WIND.**—Direction is shown by arrows flying with the wind.

Force, on the scale 0-12, is indicated by the number of feathers. Calm.

**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

**WEATHER.**—Shown by the following symbols:—

○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded.

○ sky 2/3 clouded. ○ overcast sky. ● rain falling.

\* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.

K, thunderstorm.

**SEA DISTURBANCE.**—Rough. High.

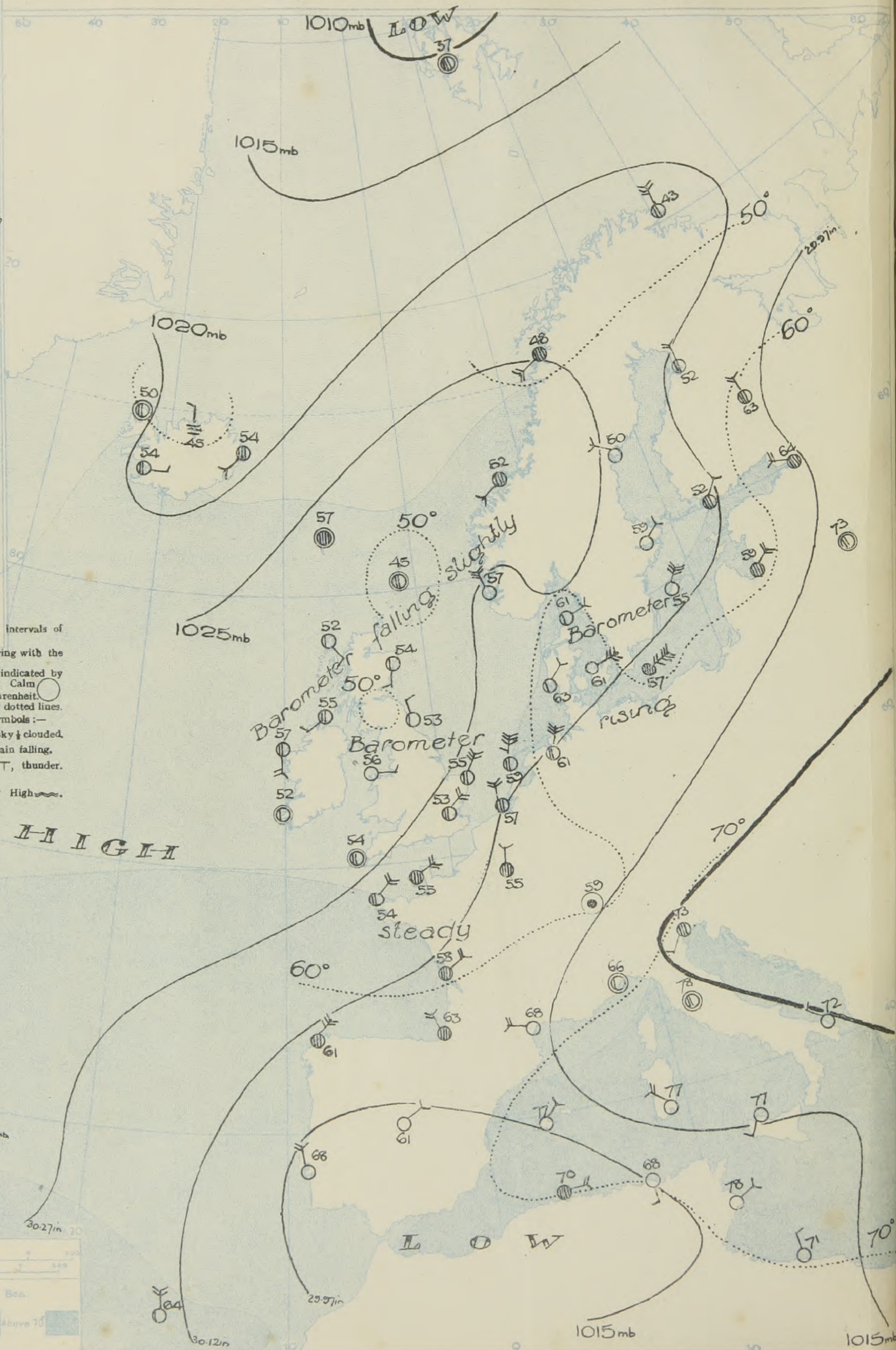
H I G H

L O W

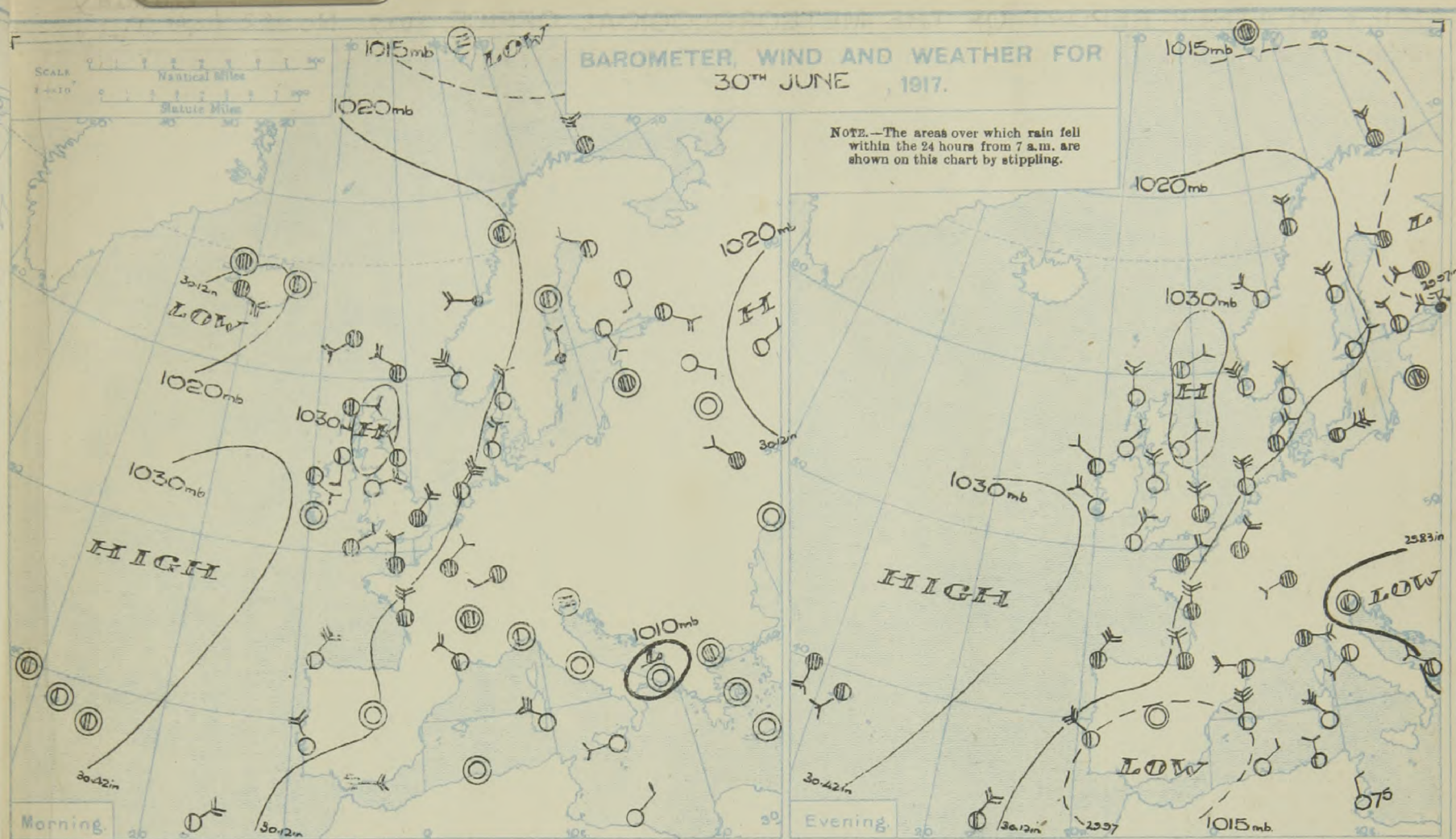
SCALE 1:500  
Nautical Miles  
Statute Miles

Normal Temperature of the Sea.

Below 50 50-60 60-70 Above 70  
Scale of Tints for JULY.

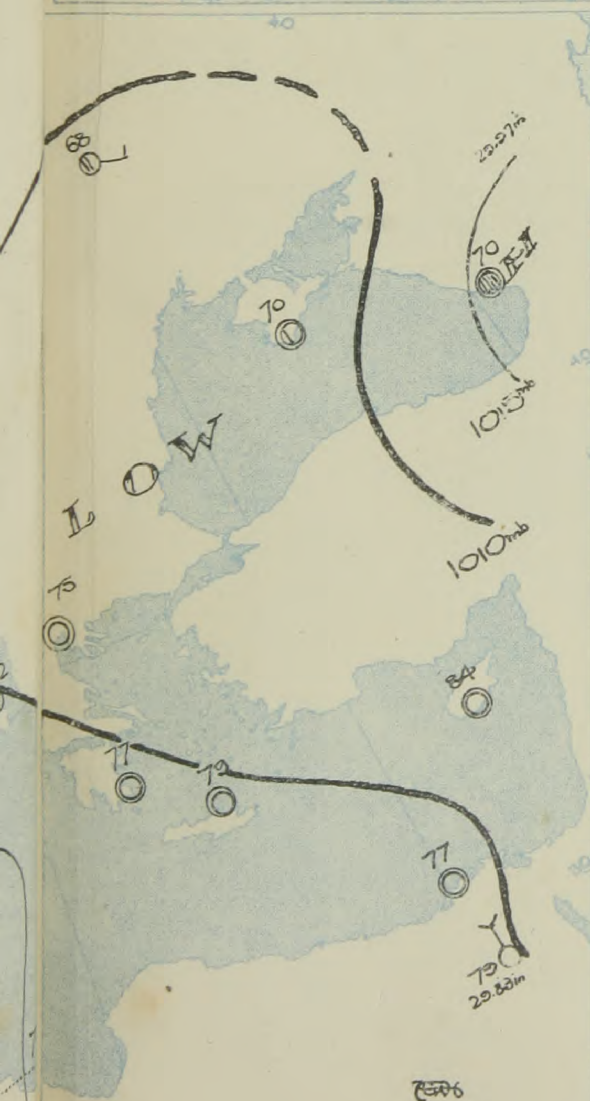






General Notes on the Weather at 7 a.m.  
1st July, 1917

An area of high pressure extends from the Azores region north-eastward across the British Isles to Lapland. The depression which caused the heavy thunder rains of Friday over Southern England has since passed down to South-Eastern Europe and occasional heavy rain yesterday over Eastern France. Fair to fine weather now prevails in most regions, but rain is falling at a few scattered foreign stations. A strong squally North-East wind is blowing over the Southern region of the North Sea, a strong gale locally on the Baltic, but elsewhere light, variable breezes prevail. Temperature is rather low for the time of year all over the British Isles. Under the influence of the Northerly wind temperature yesterday failed to reach 60° in many parts of this country, and during the night minima below 50° occurred in several districts, 40° at Aberdeen.





## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 182.

Sunday  
1st July

STATIONS.	EVENING OF 30 <sup>th</sup> June					MORNING OF 1 <sup>st</sup> July.										24 HOURS ENDED 7 A.M.						Sun- shine for 30 <sup>th</sup> June Hours.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 8 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1030.7	51	ENE	2	bc	1029.1	0	45	-2	—	0	SE	bc	0	—	53	41	bc	bc	bc	8.6
	Deerness (Orkney)	1029.8	50	ESE	2	b	1028.4	*	50	+3	SE	3	—	b	2	—	53	44	o.c. bc	c. b	c	10.2
	Stornoway	1029.2	58	N	4	b	1027.6	-1	52	+1	SE	1	—	b	0	—	60	43	c. o	o. b	b	
	Castlebay (Barra Isd.)																					
	Glasgow	1028.6	61	W	1	bc	1029.0	-1	48	+1	E	2	—	bz	*	—	64	41	bc. c. 30	o. c. bc	bc. bz	7.8
	Esldalemuir	1028.6	59	NNE	2	bc	1029.1	0	47	-2	—	0	—	bw	*	—	62	36	bw. bc. c	c. bc	bc. b	11.4
	Malin Head	1029.7	58	NE	1	bc	1027.5	-1	55	+4	SW	1	SW	bcz	1	—	60	48	bv	b	bcz	13.8
	Blacksod Point	1028.8	58	NW	2	bc	1026.9	-2	57	+4	S	3	S	bc	2	—	62	48	bc	bc	bc	*
	Valencia (Cahirveen)	1029.3	60	NW	3	b	1028.0	-1	52	-1	—	0	—	bw	3	—	61	43	b	b	b. bw	15.0
	Roche's Point	1029.8	60	SSE	1	b	1028.1	*	57	+5	SSW	1	—	b	1	0.2	61	50	bc. b	b	b. o. bw	*
	Birr Castle	1027.6	63	W	1	c	1027.8	*	55	+6	SSW	1	—	c	*	—	70	47	c	c	c	12.2
	Donaghadee	1028.7	61	ESE	2	bz	1028.2	+1	56	+5	SE	1	—	bc. m	0	—	59	50	bm	bz	bm	
	Liverpool (Bidston)	1028.3	58	WNW	2	b	1028.4	0	52	+1	E	1	—	b	1	—	59	47	b	bc	b	10.3
	Holyhead	1027.9	57	N	4	bz	1028.9	0	56	+3	E	1	—	bz	0	—	61	48	bz	bz	bz. w	14.5
	Pembroke (St. Ann's)	1028.0	57	NNE	3	bc	1028.3	0	53	+1	ENE	3	—	b	2	—	61	48	b. bc	bcq	b	14.0
	Scilly (St. Mary's)	1027.2	57	NNE	3	b	1026.7	0	54	-1	—	0	—	bc	3	—	59	51	cm. bm	bc. m. bm	bm. bc	12.8
	Falmouth	1026.2	60	N	4	bz	1026.0	0	53	+3	NNE	2	—	bc	*	—	63	46	bc	b	bc	8.9
	Jersey (St. Aubin)	1024.0	57	NE	3	o	1023.2	*	55	+1	NE	4	—	o	3	—	58	53	og. o	o	o. c. o	0.0
	Portland Bill	1024.7	59	NE	5	bc	1024.0	-2	52	+1	NNE	4	NE	bc	3	—	61	50	bc	bc. c	bc. c	*
	Dungeness	1021.5	57	N	7	c	1022.1	0	57	+3	NE	5	NE	c	5	1	63	53	c	c	cp. c	*
	Dover	1022.4	58	NNE	7	o	1020.8	0	57	+5	N	6	N	c	5	0.3	57	51	or	op	o. c	0.0
Wick	1030.2	49	ESE	2	bc	1028.3	0	52	+4	SE	1	—	bc	1	—	52	46	bc	bc	bc	13.8	
Nairn	1028.9	54	ENE	2	bc	1028.4	*	50	-2	—	0	—	cg	1	—	57	48	bc	bcq	bc. c		
Aberdeen	1030.4	53	ESE	2	b	1029.0	-1	54	+6	S	1	—	b	2	—	57	40	bc. b	b	b	14.5	
Leith	1028.6	58	E	1	b	1028.4	0	50	+1	W	1	—	b	1	—	59	46	bc. b	b	b. bz. b	*	
Tynemouth	1030.2	54	NE	2	bc	1029.3	-1	53	+1	NNW	1	—	bm	3	—	55	44	bcq	bc	bm		
Spurn Head	1027.1	57	N	5	bcq	1027.0	0	53	0	NNE	5	—	og	5	—	58	51	bcq	bcq	eq	0.9	
Yarmouth (Gorleston)	1023.9	57	NE	7	bc	1024.4	0	55	0	NNE	6	—	bcq	5	—	61	53	bcq	bcq	bcq	4.8	
Clacton-on-Sea	1023.9	57	NNE	4	o	1023.4	0	54	0	NNE	4	E	c	3	—	60	50	og	og	og. c	0.2	
Nottingham	1027.6	57	NE	3	bc	1027.5	*	51	0	NE	2	NE	c	*	—	60	46	o. c	c. bc	bc	6.9	
Benson (Oxon.)	1025.5	58	NNE	4	o	1024.4	+1	53	+2	NNE	3	NE	b	*	0.1	58	45	c	o	bc. b	*	
Sth Farnborough	1024.7	56	NE	3	o	1024.2	-2	53	+1	NNE	2	NE	c	*	Trace	59	47	o	o	o. c	0.2	
London (Kew Obsy.)	1025.2	56	N	4	o	1024.5	0	53	0	NNE	4	E	bc	*	—	58	48	o	o	o. c. bc	0.1	
NORTHERN EUROPE.	Spitsbergen	1013.0	37	—	0	o	1010.1	-1	37	+1	—	0	*	c	*	*	37	34				
	Vardö	1018.6	43	N	4	o	1022.0	0	43	-5	N	5	—	bc	3	*	46	41				
	Bodö	1023.8	48	N	4	c	1024.4	0	48	-6	SW	4	—	o	2	—	54	45				
	Christiansund	1028.8	50	NW	4	b	1027.5	-1	52	+2	SW	2	—	c	3	Trace	54	45				
	Skudesnaes	1024.2	54	NNW	7	b	1024.7	0	57	+2	NNW	5	—	b	2	—	57	48				
	Færder (X'ianta Fjord)	1022.4	64	WSW	2	b	1025.9	+1	57	0	NE	1	—	b	1	—	64	55				
	The Scaw (Skagen)	1022.6	63	N	3	b	1024.0	+3	61	+4	ENE	2	—	b	2	—	64	57				
	Blaavands Huk	1021.2	66	NNE	3	c	1022.3	?	63	+4	NE	2	—	b	?	—	68	52				
	Copenhagen	1016.6	72	NNE	4	c	1021.3	+1	61	-2	ENE	5	—	b	*	—	73	69				
	Bornholm	1016.0	63	ENE	6	c	1018.7	+2	57	-7	ENE	9	—	o	3	—	68	57				
FRANCE, &c.	The Helder	1020.2	59	N	6	bc	1021.0	0	59	+2	NNE	7	N	bc	4	—	59	57				
	C. Gris Nez	1021.6	55	NE	7	o	1024.2	+1	55	+1	NE	7	*	o	4	1	57	54				
	La Hève	1013.2	55	NE	4	r	1021.6	*	52	-2	NNE	4	*	r	5	5	57	48				
	Brest (St. Mathieu)	1025.5	57	NNE	4	c	1024.8	-1	54	+1	NE	4	*	bc	2	—	59	50				
	Rochefort (Ile d'Alx)	1018.7	63	N	5	o	1019.7	+1	58	-1	NE	3	*	o	*	Trace	68	54				
	Biarritz	1019.7	63	NNW	4	o	1018.4	0	63	0	NW	3	*	o	2	8	63	55				
	Paris	1018.9	55	NNE	4	o	1018.1	0	55	-6	N	2	—	o	*	2	63	52				
	Belfort	1015.1	63	WSW	2	o	1015.9	*	59	0	—	0	*	r	*	16	72	57				
	Lyons												*		*							
	Nice	1012.0	60	E	4	c	1011.8	+1	66	-6	—	0	—	b	2	23	79	54				
Perpignan	1014.9	70	W	3	bc	1015.9	-1	68	0	W	3	—	b	*	—	79	63					
Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
SOUTHERN STATIONS.	Corunna	1024.8	48	NNE	6	c	1020.7	-1	61	-2	NNE	5	—	c	2	—	66	59				
	Madrid	1014.9	75	—	0	b	1016.2	0	61	0	NE	2	—	b	*	—	77	54				
	Lisbon	1013.7	72	NW	6	bc	1012.0	-1	68	+5	NNW	3	—	b	5	—	79	64				
	Azores (Horta)	1032.4	*	SW	2	c	1026.4	-2	64	+2	SSW	4	*	o	3	—	73	63				
	Madeira	1022.3	70	N	4	bc	1020.4	-5	64	+1	N	4	—	b	4	—	72	64				
	Gibraltar												*		*							
	Malta	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Limassol	*	*	*	*	*	1007.7	0	84	+5	—	0	—	b	0	—	86	61				
	Alexandria	1011.8	75	—	0	b	1011.3	+1	77	-2	—	0	—	b	0	—	84	70				
	Cairo (Helwan)	1011.1	84	N	3	b	1010.9	+1	79	+6	N	2	—	b	*	—	93	70				
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 30 <sup>th</sup> June	24 HOURS ENDED 9 h. 1 <sup>st</sup> July				WEATHER.			SOUTH KENSINGTON.										
25 h.	9 h.	TEMPERATURE.			Rain- fall.		Morn- ing.		After- noon.		Night.		Vertical Component of Solar Radiation per square Centimetre during 30 <sup>th</sup> June									
30 <sup>th</sup> June	1 <sup>st</sup> July	30 <sup>th</sup> June	1 <sup>st</sup> July	Max.	Min.	Min. on Grass	mm.	Morn- ing.	After- noon.	Night.	Total.	Average Rate.	Max. Rate.	Joules.	Milliwatts.	Milliwatts.						
62	67	0.0	61	49	44	*	—	0	0	c. bc	972	16.4	59									
CITY (Bunhill Row)	*	*	*	*	*	*	*	*	*	*												
WESTMINSTER (St. James's Park)	64	68	0.1	60	50	47	—	0	0	bc												
CAMDEN SQ. (British Rainfall)	67	63	0.3	64	49	46	—	0	0	*	</											

\* Information for these columns not usually received.

† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Sunday, 1st JULY, 1917.

Temperature, though still cold, showed a considerable increase touching 70° in Central Ireland. The day was practically rainless over the British Isles. Sunshine was abundant, excepting at Jersey, where the day was very dull to gloomy.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Sunday, 1st JULY, UP TO 17 H.

STATIONS.	Sun- shine for 30th JUNE	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 1st JULY	STATIONS.	Sun- shine for 30th JUNE	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 1st JULY
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.						Mm.	Mm.	° F.	° F.			
Scotland.									England, E.								
(Oban ... ..)	12.6	-	-	65	42	b	b	12.9	(Lowestoft ... ..)	0.2	-	-	65	50	bc	bcv	10.5
(Banff ... ..)	6.0	-	-	64	40	b	b	13.0	(Felixstowe ... ..)								
(Montrose ... ..)	11.6	-	-	51	38	b	b	11.0	(Walton-on-Naze ... ..)								
(St. Andrews ... ..)	*	*	*	59	53	b	b	12.0	(Southend-on-Sea ... ..)								
England, N.E.									England, S.E.								
(Harrogate ... ..)	10.9	-	-	63	40	bc, bc	b	10.0	(Margate ... ..)	*	1	-	65	50	op, bc, b	b	7.2
(Skegness ... ..)		-	-	59	52	o, b	c	7.5	(Hastings ... ..)	0.0	-	-	62	51	b	b	5.7
England, N.W.									(Eastbourne ... ..)								
(Morecambe ... ..)		-	-						(Seaford ... ..)								
(Southport ... ..)	11.6	-	-	64	41	b	b	12.0	(Brighton ... ..)	0.5	Trace	-	68	51	bc	b	7.0
Midlands.									(Worthing ... ..)								
(Leamington Spa ... ..)									(Littlehampton ... ..)								
(Malvern ... ..)									(Bognor ... ..)								
(Ross-on-Wye ... ..)									(Bournemouth ... ..)	3.5	-	-	69	47	c, b	c, bc	8.0
Wales.									England, S.W.								
(Rhyl ... ..)	*	-	-	62	41	b	b	12.0	(Weymouth ... ..)		*	*					
(Colwyn Bay ... ..)	*	*	*	61	43	bc	bc	13.9	(Torquay ... ..)	9.0	-	-	66	50	c, bc	bc	8.6
(Llandudno ... ..)	*	*	*	61	43	b	b	12.0	(Paignton ... ..)								
(Aberystwyth ... ..)	*	*	*	65	45	c, b	b, bc	12.0	(Penzance ... ..)								
									(Newquay ... ..)	*	-	-	59	43	b	b	8.2
									(Bude ... ..)								
									(Ilfracombe ... ..)								
									(Weston-s-Mare ... ..)		*	*					

REPORTS FROM FOREIGN STATIONS FOR Sunday, 1st JULY

STATIONS.		EVENING OF 30th JUNE					MORNING OF 1st JULY										MORNING OF 1st JULY							
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.				Dry Bulb.	Change in 24 hours.					Dirac.	Force 0-12.			Max.	Min.	Dry Bulb.	Change in 24 hours.		Dirac.
		° F.						° F.							° F.	° F.			° F.	° F.				
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1012.8	761	SSW	2	o									*	*								
	Gorki ...	1015.7	77	-	0	b									*	*								
	Velieki Luki ...	1015.7	77	-	0	b									*	*								
	Hangö ...	1013.1	59	NNW	3	bc	1021.3	+2	52	-12	NNE	3	bc	-	*	46								
	Riga ...	1015.9	68	-	0	o	1017.5	+2	59	-13	NE	4	o	-	*	59								
	Petrograd ...	1015.5	70	WNW	3	clr	1015.1	+1	63	-12	NW	3	o	4	90	63								
	Moscow ...	1018.6	77	SSE	3	o	1016.7	+1	72	0	ESE	2	o	-	*	66								
	Kiev ...	1010.9	70	WSW	2	bc	1008.4	+3	68	+4	SE	1	bc	1	*	64								
	Kharkov ...	1012.0	73	ENE	2	c	1009.0	-2	73	+1	ESE	2	b	-	*	68								
	Kishinev ...														*	*								
	Elisabetgrad ...						1007.8	+1	68	+4	N	2	b	13	*	63								
Nicolaiev ...						*								*	*									
Odessa ...						*								*	*									
Tarkhankout...						*								*	*									
Soukhoum ...	1018.1	66	-	0	o	1016.0	+1	70	-	-	0	o	-	*	?									
MEDITERRANEAN.	Venice ...	1008.9	79	-	0	bc	1009.8	*	73	0	SW	1	c	-	90	70								
	Pesaro ...	1010.8	73	NW	1	c	1010.7	*	73	-4	-	0	b	-	84	66								
	Rome ...	1012.5	75	SW	1	bc	1012.8	*	78	+3	-	0	bc	-	86	68								
	Viesti ...	1011.8	75	-	0	o	1010.0	*	75	-2	-	0	b	-	77	72								
	Brindisi ...	1009.0	75	NW	1	bc	1010.6	*	72	+2	NW	1	b	-	81	70								
	Cagliari ...	1013.3	75	NW	5	b	1014.6	*	77	+4	NW	3	b	-	81	57								
	Palermo ...						1014.7	*	77	0	SW	1	b	-	86	61								
	Tripoli ...						1016.2	*	71	-2	N	1	b	-	77	68								
	Algiers ...	1015.4	73	NE	1	b	1012.5	-2	70	-5	E	3	o	-	84	68								
SWEDEN.	Hernösand ...	1020.6	52	NNW	4	b	1024.8	*	50	-4	NW	2	b	*	*	*								
	Stockholm ...	1020.4	63	NE	2	b	1024.8	*	59	-2	NE	2	b	*	*	*								
	Wisby ...	1019.4	59	NE	6	bc	1023.4	*	55	-9	NNE	6	b	*	*	*								

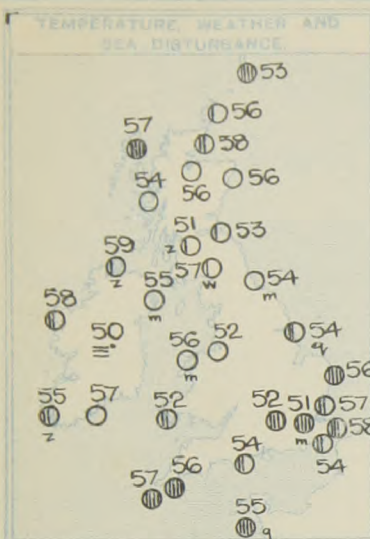
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM					
2 <sup>nd</sup> and 3 <sup>rd</sup> JULY, 1917.		Sunrise.	Noon.	Sunset.	
		G.M.T.	G.M.T.	G.M.T.	
Yarmouth ...	{	3.36 3.37	11.57 11.57	8.17 8.17	
Greenwich ...	{	3.49 3.50	12.4 12.4	8.18 8.18	
Wick ...	{	3.12 3.14	12.16 12.16	9.19 9.18	
Valencia ...	{	4.27 4.28	12.45 12.45	9.2 9.2	

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

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



MONDAY, 2<sup>ND</sup> JULY, 1917.



EXPLANATION.




**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**WIND.**—Direction is shown by arrows flying with the wind.

Force, on the scale 0-12, is indicated by the number of feathers. Calm 

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines

**WEATHER.**—Shown by the following symbols:—

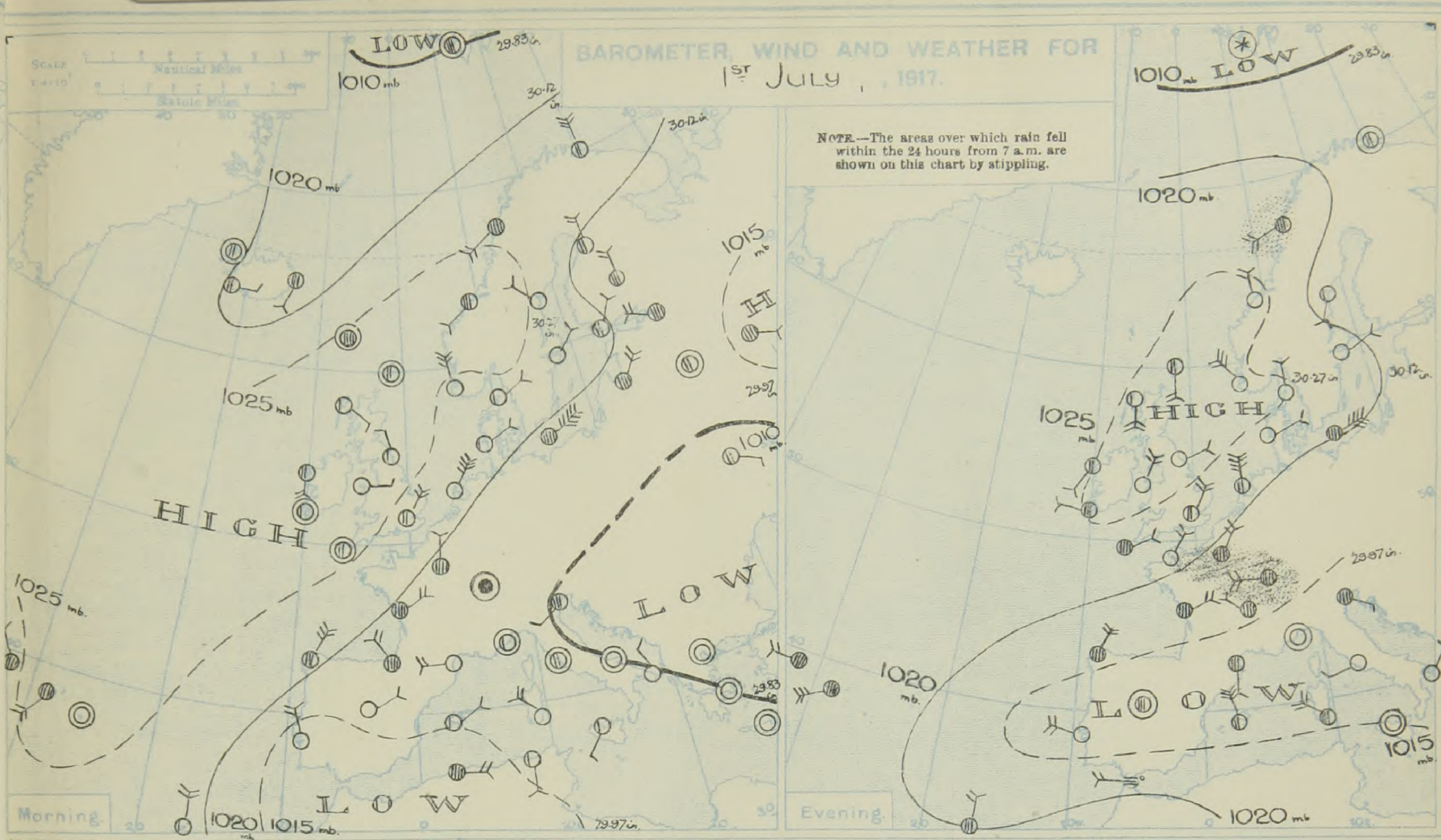
 clear sky,   
  sky  $\frac{1}{2}$  clouded,   
  sky  $\frac{1}{4}$  clouded,

\*snow. ▲ hail. ≡ fog. ≡<sup>o</sup> mist. T, thunder.

SEA DISTURBANCE.—Rough  High 

SEA DISTURBANCE.—Rough . High .



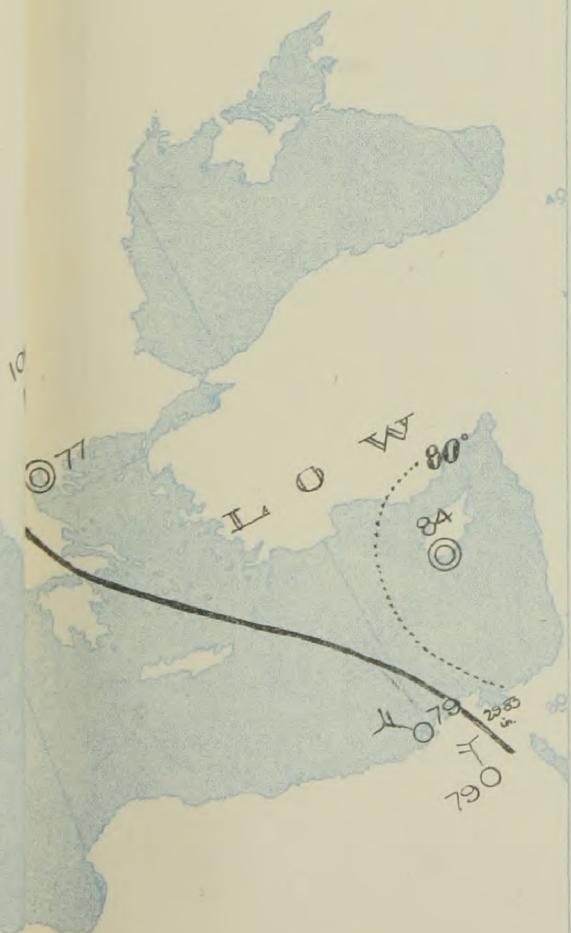


### General Notes on the Weather at 7 a.m. 2nd July

An anticyclonic system covers the whole of Western and North-Western Europe, its central space lying over the northern part of the North Sea. Over our northern and western districts calms and light variable breezes prevail; elsewhere a light to moderate or fresh NE. breeze is reported, rather strong on the Baltic. At a few places the sky is overcast, rain falling at Bodø, and at Gris Nez and Belfort the atmosphere is foggy, but fair to fine weather prevails extensively at home and abroad. Temperature is rather low at some of our home stations, the night minima having been below 45° in places.

### The Outlook

The barometric changes in progress are very slight, so that no important change in existing conditions is likely to take place to-day. Reports from the Azores point to the advance of a depression from the Newfoundland region towards Mid Atlantic, and it is probable therefore that our western coasts will be affected to some extent shortly, but the data at present available afford no clue to the intensity or the line of advance of the system. The chances are in favour of the anticyclonic conditions continuing for two days over our Eastern districts and the North Sea area.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 483

Monday  
2nd July

STATIONS.	EVENING OF 1st					MORNING OF 2nd										24 HOURS ENDED 7 A.M.						Sun- shine for 1st Hours.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.		Change in 2 hours.	°F.	°F.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1027.4	52	S	3	bc	1025.5	-1	53	+8	SW	3	-	0	3	-	53	45	bc	bc	bc.0	*
	Deerness (Orkney)	1026.7	52	SE	2	bc	1026.1	*	56	+6	SSE	2	SW	b	1	-	56	49	b	b. bc	bc. b	?
	Stornoway	1025.2	62	S	4	b	1026.4	0	57	+5	SE	1	-	0	0	-	62	52	b	b	bc.0	14.7
	Castlebay (Barraisd.)																					
	Glasgow	1025.7	67	W	1	bc	1027.3	+1	51	+3	ENE	1	-	bz	*	-	68	45	b. bc	bc. b. bc	b	14.8
	Eskdalemuir	1025.6	63	SE	2	o	1026.6	0	57	+10	NNE	1	-	bw	*	-	69	41	bw. bc	bc. o	c. bc. b	9.7
	Malin Head	1026.3	59	NNE	1	bz	1026.1	0	59	+4	ESE	1	-	bz	1	-	63	53	bz	bz	bz	14.5
	Blacksod Point	1025.0	58	SSW	2	bc	1024.1	0	58	+1	ESE	2	-	bc	2	-	62	52	bc	bc	bc	*
	Valencia (Cahirveen)	1025.5	59	WNW	2	c	1023.0	-1	55	+3	NE	2	SE	bcz	2	-	62	47	b. bc	bc	bc. bwz	9.9
	Roche's Point	1025.7	68	SSW	1	b	1023.9	*	57	0	S	1	-	b	1	Trace	61	50	b	bz	bz	*
	Birr Castle	1024.6	69	E	1	c	1025.1	*	50	-5	E	1	-	m	*	-	70	44	c	c. o	x	8.2
	Donaghadee	1025.6	63	SE	2	bm	1025.7	+1	55	-1	NE	2	-	bm	1	-	64	51	bm	bm	bm	*
	Liverpool (Bldston)	1025.4	62	WNW	1	b	1026.1	0	52	0	ENE	2	-	b	1	-	63	48	b	b	bm	13.9
	Holyhead	1025.7	58	NNE	4	bz	1025.1	0	56	0	ENE	4	-	bm	3	-	66	53	bz	bz	bm	13.3
	Pembroke (St. Ann's)	1024.9	62	N	2	b	1024.1	-2	52	-1	ENE	3	NE	bc	1	-	64	49	b	b	bc. b. bc	14.0
	Scilly (St. Mary's)	1024.1	57	ENE	2	c	1021.9	-1	57	+3	ESE	2	E	o	3	-	62	54	bc	bc. cm	c. o	9.2
	Falmouth	1023.1	61	SSE	1	bz	1021.5	0	56	+3	E	2	-	o	*	-	62	52	bc	bc. b	bc. c	9.5
	Jersey (St. Aubin)	1021.6	58	NNE	3	c	1019.8	*	55	0	NE	4	-	og	3	0.2	59	54	og	og. p. o	c. og. p. o	0.1
	Portland Bill	1022.1	65	NNE	4	bc	1021.6	-1	54	+2	NE	5	NE	bc	3	-	67	50	bc	bc	bc. c	*
	Dungeness	1021.8	58	NE	5	c	1021.1	0	58	+1	NE	4	NE	bc	4	-	64	54	c. bc	bc	bc	*
	Dover	1022.1	55	N	6	c	1021.6	+1	58	+1	N	5	N	c	4	-	66	51	c. bc	bc. c	c. bc. c	7.5
	Wick	1026.8	52	SE	2	bc	1026.2	0	58	+6	-	0	-	bc	1	-	58	44	bc	bc	bc. m	*
	Nairn	1025.1	60	NE	1	bc	1026.6	*	56	+6	-	0	-	b	0	-	65	42	b	bc	bc. w	11.4
	Aberdeen	1027.6	55	SSE	3	b	1027.2	0	56	+2	S	2	-	b	2	-	61	45	b	b	b	15.3
	Leith	1025.6	63	E	1	b	1027.1	0	53	+3	NE	1	E	b	1	-	64	49	b	b	b. bz. b	*
	Tynemouth	1028.1	57	ENE	2	b	1027.8	0	54	+1	NE	2	N	bm	3	-	59	46	b	b	bm	*
	Spurn Head	1026.2	57	NNE	2	bcq	1026.6	0	54	+1	ENE	4	-	bcq	4	-	58	50	bcq	bcq	c	8.8
	Yarmouth (Gorleston)	1024.2	58	NNE	5	bc	1024.3	+1	56	+1	NNE	4	-	o	4	-	62	53	bcq	bcq	bcq	8.8
	Clacton-on-Sea	1023.2	62	NE	4	bc	1022.7	0	57	+3	NE	3	SE	bc	3	-	65	49	c. bc	bc	bc	12.3
	Nottingham	1025.7	59	ENE	3	b	1026.2	*	52	+1	ENE	3	NE	c	*	-	62	45	c. bc	bc. b	b	8.6
	Benson (Oxon.)	1023.6	62	NE	3	b	1023.4	+1	52	-1	NNE	4	-	o	*	0.1	65	42	c	c	bc. o	*
	St. Farnborough	1022.7	63	NNE	2	b	1023.0	0	50	-	NE	3	-	om	*	-	66	46	bc	bc. b	b. om	12.0
	London (Kew Obsy.)	1023.2	64	NNE	4	bcv	1023.8	+2	51	-2	NE	3	-	om	*	-	65	46	bc. o. bc	bc. bcv	bc. b. bc	12.0
NORTHERN EUROPE.	Spitsbergen	1009.0	34	-	0	s	1009.0	0	36	-1	S	1	*	S	*	*	41	32				
	Vardö	1016.0	46	-	0	bc	1013.5	+3	45	+2	NW	6	-	c	4	*	46	41				
	Bodö	1023.0	48	SW	4	c	1021.6	0	48	0	SW	4	-	r	3	2	48	45				
	Christiansund	1026.3	52	N	3	b	1025.0	0	52	0	-	0	-	o	3	-	54	46				
	Skudesnaes	1025.1	55	NNW	5	b	1025.9	0	57	0	NNW	4	-	b	2	-	61	48				
	Færder (X'lania Fjord)	1023.5	64	WSW	2	b	1023.8	0	63	+6	WSW	1	NW	b	0	-	64	55				
	The Frow (Skagen)	1025.2	64	N	2	b	1024.3	+1	64	+3	-	0	-	b	0	-	?	61				
	Blaavands Huk	1022.1	70	ENE	2	b	1024.0	?	63	0	NE	2	E	b	*	-	73	45				
	Copenhagen	1021.5	66	SSE	2	bc	1023.3	+1	61	0	NE	4	-	b	*	-	68	57				
	Bornholm	1020.0	55	ENE	7	o	1020.8	0	57	0	NE	6	W	c	2	-	59	54				
FRANCE, &c.	The Helder	1020.6	61	N	7	bc	1022.4	0	61	+2	NNE	3	-	b	2	-	63	57				
	C. Gris Nez	1021.3	55	NNE	6	o	1020.7	-1	57	+2	NE	5	*	f	5	-	59	54				
	La Hève	1020.4	55	NNE	5	o	1020.6	*	55	+3	NE	3	*	m	3	-	64	52				
	Brest (St. Mathieu)	1022.4	58	NE	4	o	1019.8	-1	57	+3	ENE	4	*	o	2	-	61	50				
	Roche fort (Ile d'Alx)	1016.0	63	NE	3	o	1017.7	+1	60	+2	NE	2	*	o	*	-	66	59				
	Biarritz																					
	Paris	1018.1	59	NNE	2	o	1017.6	0	61	+6	NNE	2	-	o	*	1	61	55				
	Belfort	1016.6	61	W	4	o	1017.3	*	59	0	E	2	*	f	*	11	67	58				
	Lyons	1016.3	60	NNW	2	o	1017.5	*	59	-	0	*	*	o	*	-	65	?				
	Nice	1012.0	66	-	0	b	1013.3	0	67	+1	-	0	*	b	2	-	75	57				
SOUTHERN STATIONS.	Perpignan	1014.1	72	S	2	c	1015.7	+1	72	+4	W	1	-	b	*	-	86	61				
	Sanguinaire	1014.4	73	NW	3	b	1015.3	*	71	-	E	3	*	bc	4	-	84	63				
	Corunna	1018.3	66	NNE	4	o	1016.3	+1	63	+2	-	0	-	b	1	-	66	55				
	Madrid	1010.1	59	-	0	c	1017.0	+3	63	+2	-	0	N	bc	*	-	79	55				
	Lisbon	1012.2	77	WNW	4	b	1015.3	+1	64	-4	NNW	2	-	b	*	-	82	61				
	Azores (Horta)	1023.9	*	W	5	o	1020.8	+1	64	0	-	0	*	b	1	1	73	63				
	Madeira	1019.7	70	N	3	c	1019.7	0	64	0	NNE	3	-	o	3	-	70	64				
	Gibraltar	1019.3	68	W	3	m	1016.2	*	67	-	SE	3	*	m	3	-	79	63				
	Malta		*	*	*	*	1014.9	+1	77	-	0	-	-	b	0	-	84	72				
	Limassol		*	*	*	*	1006.3	+2	84	0	-	0	-	b	0	-	88	64				
Alexandria	1011.3	75	N	2	b	1011.1	+1	79	+2	NW	3	-	b	1	-	84	72					
Cairo (Helwan)	1009.7	84	N	3	b	1010.3	+1	79	0	N	3	-	b	*	-	93	68					
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 1st	24 HOURS ENDED 9 h. 2nd					SOUTH KENSINGTON.												
		15 h.	9 h.		TEMPERATURE.		Rain- fall.	WEATHER.			Vertical Component of Solar Radiation per square Centimetre during 1st											
		1st	2nd	Hours.	°F.	°F.	°F.	mm.	Morn- ing.	After- noon.	Night.	Total.	Average Rate.	Max. Rate.								
GREENWICH (Royal Observatory)		%	%	12.0	69	47	37	-	b	b	bc. cm											
CITY (Bunhill Row)		*	*	12.0	*	*	*	*	*	*	*											
WESTMINSTER (St. James's Park)				12.0	68	49	45															



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Monday, 2<sup>nd</sup> JULY, 1917.

Fine weather prevailed over the country as a whole. Over 12 hours of bright sunshine was recorded at many stations, over 15 hours at Glasgow and Eskdale, but in the south-west there was much cloud, and rain has fallen at Valencia 10 mm, Scilly 5 mm. Temperature touched or exceeded 70° in many places and in the south was appreciably higher than on the previous day.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Monday, 2<sup>nd</sup> JULY, UP TO 17 H.

STATIONS.	Sun- shine for 1st	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 2nd	STATIONS.	Sun- shine for 1st	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 2nd
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.						Mm.	Mm.	° F.	° F.			
Scotland.									England, E.								
Oban ...	15.6	-	-	71	47	b	b	11.9	Lowestoft ...	*	-	-	62	55	c. bc. b	b	7.2
Banff ...	14.9	-	-	64	46	b	b	12.9	Felixstowe ...	7.2	-	-	69	51	bc. b	b	11.1
Montrose ...	13.6	-	-	59	54	b	b	12.0	Walton-on-Naze ...	6.1	-	-	65	50	bc. b	b	9.8
St. Andrews ...	*	-	-	65	40	b	b	11.3	Southend-on-Sea ...	*	-	-	70	47	b	by	6.9
Carnoustie ...	*	*	*	60	55	b	b	12.7									
England, N.E.									England, S.E.								
Harrogate ...	13.2	-	-	67	40	b. bc. b	b	11.5	Margate ...	*	-	-	62	55	c. bc. b	b	7.2
Skegness ...	8.3	-	-	58	51	o	bc	1.8	Hastings ...	7.2	-	-	69	51	bc. b	b	11.1
									Eastbourne ...	6.1	-	-	65	50	bc. b	b	9.8
England, N.W.									Seaford ...								
Morecambe ...	*	-	-	74	48	-	-	12.7	Brighton ...								
Southport ...	14.5	-	-	72	43	b	b	12.0	Worthing ...	8.8	-	-	72	49	b	b	10.3
									Littlehampton ...								
Midlands.									Bognor ...								
Leamington Spa ...	*	-	-	68	43	bc. b	b	9.1	Bournemouth ...	4.5	-	-	69	49	bc	bc	6.0
Malvern ...																	
Ross-on-Wye ...	*	-	-	68	43	bc. b	b	9.1	Weymouth ...	*	*	*	69	50	bc	bc	4.0
									Torquay ...	9.6	-	-	66	52	c. o	o	2.8
Wales.									Paignton ...								
Rhyl ...	14.4	-	-	71	42	bc. b	b	12.0	Penzance ...	*	-	-	61	51	o. c	o	0.0
Colwyn Bay ...	*	*	*	67	46	bc	b	14.0	Newquay ...	9.8	-	-	63	52	f. b	bc. bc	3.1
Llandudno ...	*	*	*	66	45	b	b	12.4	Bude ...	*	-	-	67	49	bc	bc	4.1
Aberystwyth ...	*	*	*	74	47	c. b	b. bc	12.7	Ilfracombe ...	*	-	-	65	52	bc	bc	5.4
									Weston-s-Mare ...	*	-	-	69	47	bc. b. bc	bc. b	8.5

REPORTS FROM FOREIGN STATIONS FOR Monday, 2<sup>nd</sup> JULY.

STATIONS.		EVENING OF 1st					MORNING OF 2nd										MORNING OF 2nd						
		BAROM. Milli- bars at M.S.L.	TEMP. ° F.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall, Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.		Force 0-12.
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...																						
	Gorki ...	1010.7	75	-	0	0	1012.6	*	64		E	1	f	-	*	61	Isafjord ...	1021.2	54	+4	-	0	b
	Velieki Luki ...	1015.7	70	SW	2	0	1014.4	*	59		N	3	clr	8	*	57	Reykjavik ...	1020.6	50	-4	E	1	o
	Hangö ...	1022.1	69	-	0	b	1022.9	+1	61	+9	-	0	c	-	*	46	Vestmanna						
	Riga ...	1013.6	64	ENE	1	b	1018.1	0	64	+5	ENE	1	b	-	*	57	Seydisfjord	1023.1	43	-11	-	0	f
	Petrograd ...	1020.6	61	NNE	3	b	1021.0	0	61	-2	ENE	4	b	-	70	54	Thorshavn	1021.9	53	-4	W	3	m
	Moscow ...	1014.0	73	6SE	1	b	1015.4	0	72	0	NE	3	b	-	*	63							
	Kiev ...														*								
	Kharkov ...														*								
	Kishinev ...														*								
MEDITERRANEAN.	Elisabetgrad ...														*								
	Nicolaiev ...														*								
	Odessa ...														*								
	Tarkhankout...														*								
	Soukhom ...														*								
	Venice ...	1011.7	68	ESE	1	0	1011.7	*	70	-3	-	0	c	3	84	64	3 <sup>rd</sup> and 4 <sup>th</sup> JULY, 1917.						
	Pesaro ...	1012.1	72	-	0	b	1012.5	*	73	0	SW	1	b	-	82	64							
	Rome ...	1014.1	72	WSW	1	b	1014.7	*	75	-3	S	1	bc	-	84	64							
	Viesti ...	1012.5	72	SE	1	b	1013.1	*	72	-3	NW	1	b	3	81	66	Yarmouth ...	3.37	11.57	6.17			
	Brindisi ...	1012.3	75	NE	1	b	1012.7	*	70	-2	NW	1	b	-	81	68							
SWEDEN.	Cagliari ...	1014.6	79	NW	4	c	1013.8	*	70	-7	NW	3	bc	6	79	55	Greenwich ...	3.50	12.4	8.18			
	Palermo ...	1015.2	79	-	0	b	1014.2	*	72	-5	-	0	b	-	82	66							
	Tripoli ...																						
	Algiers ...	1010.7	72	NNE	3	c	1016.3	+3	73	+3	NE	3	c	?	78	70	Wick ...	3.14	12.16	9.18			
	Hernösand ...	1017.6	55	SSW	2	b	1022.9	*	57	+7	-	0	b	*	*	*	Valencia ...	4.28	12.45	9.3			
	Stockholm ...	1023.9	61	E	2	b	1024.3	*	61	+2	NE	2	b	*	*	*							
	Wisby ...	1022.1	57	NE	2	b	1022.4	*	54	-1	NNE	6	c	*	*	*							


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

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**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**WIND.**—Direction is shown by arrows flying with the wind.

Force, on the scale 0-12, is indicated by the number of feathers. Calm. 

TEMPERATURE.—Given in degrees Fahrenheit.  
Isotherms shown by dotted lines.

**WEATHER.**—Shown by the following symbols:—  
 Clear sky.  Partly clouded.  Mostly clouded.

○ clear sky.    ○ sky  $\frac{1}{2}$  clouded.    ○ sky  $\frac{1}{2}$  clouded.  
 ⊗ sky  $\frac{3}{4}$  clouded.    ⊗ overcast sky.    ● rain falling.

\* snow. ▲ hail. ≡ fog. ≡<sup>o</sup> mist. T, thunder.

SEA DISTURBANCE.—Rough  High .







# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917 No. 184 { Tuesday 2nd July

STATIONS.	EVENING OF 2 <sup>nd</sup>					MORNING OF 3 <sup>rd</sup>										24 HOURS ENDED 7 A.M.					Sun- shine for 2 <sup>nd</sup> Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	1025.0	57	NW	4	bc	1028.1	0	48	-5	N	2	-	o	2	0.2	57	47	odm	of. bc	o	*
	Deerness (Orkney) ...	1026.4	57	NNW	2	o	1028.1	*	48	-8	ENE	2	-	f	1	-	65	48	r. bc. c	c. o	of	6.1
	Stornoway ...	1026.7	63	E	1	cz	1027.4	0	56	-	NE	2	-	o	2	-	63	53	o. cz	o. cz	o. cz	0.2
	Castlebay (Barraisd.) ...																					
	Glasgow ...	1024.9	69	E	2	b	1026.9	+1	52	+1	E	3	S	b	*	-	72	44	bz. b	b	b	15.2
	Eskdalemuir ...	1025.0	64	NE	4	b	1026.6	0	55	-2	N	2	-	bvw	*	-	68	40	bw. b	bv	bv	15.0
	Malin Head ...	1025.2	59	ENE	2	bz	1024.2	0	56	-3	E	2	-	bz	1	-	63	53	bz	bz	bz	13.8
	Blacksod Point ...	1021.5	68	ESE	2	bcz	1021.9	0	58	0	ESE	2	-	bz	1	-	70	53	bz	bcz	bc. bz	*
	Valencia (Cahirveen) ...	1021.1	60	E	2	c	1020.5	0	53	-2	-	0	E	ore	2	10	68	51	bc. cz	c	o. p. or	6.9
	Roche's Point ...	1021.1	58	E	3	o	1021.6	*	57	0	ENE	1	-	r	1	1	61	53	bz	b	or	*
	Birr Castle ...	1022.3	68	ESE	1	c	1022.6	*	53	+3	SW	1	-	m	*	-	72	44	z	z. c	f	12.4
	Donaghadee ...	1023.8	61	ESE	1	bm	1024.8	+1	56	+1	E	2	-	bm	1	-	65	51	bm	bm	bm	*
	Liverpool (Bldston) ...	1022.9	68	E	3	b	1024.9	+1	55	+3	E	2	-	b	2	-	71	50	bm	b	bm	13.1
	Holyhead ...	1022.8	63	N	3	bm	1023.4	0	58	+2	E	4	-	bz	3	-	67	53	bm	bm	b	14.2
	Pembroke (St. Ann's) ...	1022.1	62	S	1	c	1022.1	+1	57	+5	ENE	3	E	c	2	Trace	64	51	bc. b	b. bc	bc. c	11.6
	Scilly (St. Mary's) ...	1020.5	56	ESE	3	omp	1020.1	+1	57	0	SE	3	E	om	4	5	60	53	op	omp	op. omp	0.0
	Falmouth ...	1020.4	60	NE	2	og	1019.9	+2	58	+2	E	3	-	o	*	Trace	60	55	o	o. og	o	0.2
	Jersey (St. Aubin) ...	1019.0	60	ENE	3	og	1019.6	*	59	+4	E	3	-	o	2	1	60	54	ogd. og	og	og. o	0.0
	Portland Bill ...	1020.4	60	E	1	c	1020.4	0	58	+4	ENE	4	-	b	3	-	62	54	bc	c	bc. b	*
	Dungeness ...	1019.6	64	NE	4	bc	1020.3	+1	62	+4	NE	4	NE	bc	4	-	67	57	bc	bc	bc	10.3
	Dover ...	1020.5	61	N	5	bc	1021.4	0	65	+7	NE	3	-	b	2	-	68	55	o. bc. b	b. bc	bp	*
Wick ...	1026.8	57	ENE	1	bc	1028.1	+1	50	-8	NE	2	-	fe	1	0.4	61	49	bc	bm. bc	bc. fe	*	
Nairn ...	1025.7	59	NE	1	b	1027.6	0	57	+1	-	0	-	og	1	-	71	49	b	b	bcz	15.6	
Aberdeen ...	1026.9	69	S	2	b	1027.6	+1	58	+2	NE	2	-	o	2	-	66	46	b	b	b. o	16.0	
Leith ...	1025.0	58	NE	1	b	1026.6	0	55	+2	E	1	E	b	1	-	62	48	b	b	b	*	
Tynemouth ...	1027.0	57	ENE	1	b	1027.3	0	55	+1	-	0	NE	c	2	-	60	53	b	b	c	*	
Spurn Head ...	1025.5	55	ENE	3	o	1025.4	0	54	0	NNE	4	-	of	4	-	57	51	o	o	from	1.3	
Yarmouth (Gorleston) ...	1022.9	62	NNE	4	b	1024.4	+2	60	+4	E	4	-	b	4	-	65	56	bc	b	b	5.6	
Clacton-on-Sea ...	1021.8	67	ENE	4	bc	1022.7	+1	62	+5	ENE	4	-	b	3	-	70	54	bc	bc	bc. b	13.0	
Nottingham ...	1023.7	65	E	3	b	1025.4	*	55	+3	E	2	E	b	*	-	67	51	c. bc	b	b	12.3	
Benson (Oxon.) ...	1021.1	68	ENE	2	b	1022.5	+1	56	+4	NNE	2	-	b	*	-	69	50	bc	b	bc. o	*	
Sth Farnborough ...	1020.3	69	E	3	b	1022.0	+1	60	+10	ENE	2	-	bcz	*	-	72	50	o. b. bcz	bc. b	b. bcz	8.9	
London (Kew Obsy.) ...	1021.0	71	NE	4	bc	1022.5	0	59	+8	NE	3	-	bm	*	-	72	53	om. o. c	c. bc	bc. b. bm	8.4	
NORTHERN EUROPE.	Spitsbergen ...	1008.8	37	-	0	b	1010.6	+2	36	0	-	0	*	o	*	*	37	30				
	Vardö ...	1019.7	43	NW	6	bc	1019.4	-1	59	+14	S	5	-	c	3	*	45	41				
	Bodö ...	1022.0	48	W	1	c	1020.6	-2	48	0	WSW	1	-	o	1	*	48	45				
	Christiansund ...	1021.9	50	-	0	r	1024.2	+1	52	0	-	0	-	r	3	7	54	48				
	Skudesnaes ...	1024.7	55	NNW	4	o	1023.4	0	54	-3	NNW	4	-	o	2	-	57	50				
	Færder (X'tania Fjord) ...	1018.7	63	WSW	5	c	1019.3	0	61	-2	N	6	-	b	2	-	66	59				
	The Scaw (Skagen) ...	1022.4	63	W	3	b	1018.1	0	63	-1	N	3	-	b	3	-	70	52				
	Blaavands Huk ...	1023.4	64	N	3	b	1023.1	0	61	-2	NNW	2	-	b	*	-	72	54				
	Copenhagen ...	1020.8	68	NNE	3	b	1020.2	0	64	+3	WNW	3	-	b	*	-	70	57				
	Bornholm ...	1020.6	59	E	2	b	1020.0	-1	63	+3	WSW	1	-	b	0	-	61	55				
FRANCE, &c.	The Helder ...	1021.5	64	NE	5	b	1023.8	+2	63	+2	ENE	3	-	b	1	-	66	63				
	C. Gris Nez ...	1020.2	60	NE	5	b	1021.0	+2	65	+8	E	3	*	b	2	-	64	57				
	La Hève ...	1019.0	62	NE	3	m	1020.2	*	57	+2	ENE	2	*	m	2	-	66	52				
	Brest (St. Mathieu) ...	1018.6	63	N	1	o	1019.4	+1	61	+4	E	1	*	m	1	-	68	59				
	Rochefort (Ile d'Alx) ...	1016.7	68	NW	3	b	1018.1	+1	63	+3	E	2	*	m	*	-	72	59				
	Biarritz ...	1014.1	69	NNE	3	b	1017.3	+2	67		WSW	3	*	bc	2	-	73	63				
	Paris ...	1017.1	70	NNE	2	b	1019.9	+2	61	0	N	1	-	o	*	-	75	54				
	Belfort ...	1015.8	63	E	2	m	1021.1	*	59	0	E	2	*	o	*	26	74	57				
	Lyons ...	1015.7	68	-	0	o	1019.0	*	64	+5	-	0	*	b	*	-	73	57				
	Nice ...	1012.7	70	-	0	b	1015.8	+2	70	+3	SW	2	*	b	2	-	79	59				
Perpignan ...	1015.3	73	SW	1	c	1018.3	+3	73	+1	SE	2	-	b	*	-	82	59					
Sanguinaire ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	*	*				
SOUTHERN STATIONS.	Corunna ...	1015.7	70	N	3	c	1021.0	+3	64	+1	N	1	-	bc	1	-	72	61				
	Madrid ...	1006.1	81	SW	1	b	1018.9	+2	70	+7	-	0	W	bc	*	-	82	57				
	Lisbon ...	1017.2	70	WNW	3	b	1019.0	+2	63	-1	NNW	2	-	b	*	-	79	59				
	Azores (Horta) ...	1021.6	*	NNE	4	bc	1022.7	+1	63	-1	WSW	4	*	b	1	-	73	61				
	Madeira ...	1019.4	70	N	2	c	1021.3	0	66	+2	NE	3	-	o	3	-	70	66				
	Gibraltar ...	1017.6	70	SE	3	m	1018.6	*	67	0	SE	4	*	m	3	-	79	66				
	Malta ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	*	*				
	Limassol ...	*	*	*	*	*	1008.6	+1	82	+2	W	1	-	b	0	-	91	63				
	Alexandria ...	1011.7	75	NNW	2	b	1012.2	+1	77	-2	WNW	3	W	bc	2	-	84	70				
	Cairo (Helwan) ...	1010.6	84	N	3	b	1011.7	+1	73	-6	N	3	-	b	*	-	93	68				
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 2 <sup>nd</sup> Hours.	24 HOURS ENDED 9 h. 3 <sup>rd</sup>				SOUTH KENSINGTON.													
		15 h.	9 h.		Max.	Min.	Grass	Rain- fall.	WEATHER.			Vertical Component of Solar Radiation per square Centimetre during 2 <sup>nd</sup>										
GREENWICH (Royal Observatory)	44	64	10.3	73	51	41	-	b	b	b. bc	Total.				Average Rate.	Max. Rate.						
CITY (Bunhill Row) ...	*	*	8.8	*	*	*	*	*	*	*	Joules.	Milliwatts.	Milliw									

GALES.  
Duration and Extreme Force  
in British Islands.

Note  
Solar Halo  
was observed at  
Eskdalemuir  
yesterday  
10h to 18h



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Tuesday, 3<sup>rd</sup> JULY, 1917.

The temperature rose to between 70° and 75° at many stations in the United Kingdom. There was considerable sunshine except in the South-West districts and in the Channel Islands. Rain fell in the South-West, the fall amounting to 24 mm. at South Farnborough, and to 18 mm. at Pembroke. Lightning is reported from South Farnborough and a thunder-storm from Portland Bill.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Tuesday, 3<sup>rd</sup> JULY, UP TO 17 H.

STATIONS.	Sun- shine for 2nd	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 3rd		STATIONS.	Sun- shine for 2nd	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 3rd
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.					Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.							Mm.	Mm.	° F.	° F.			
Scotland.										Lowestoft ...	*	-	-	62	57	b	b	12.2
Oban ...	14.3	-	-	75	50	b	b	12.2		Felixstowe ...	*	-	-	65	54	bc	bc	12.8
Banff ...	16.3	-	-	56	48	fd. o	c. o	0.1		Walton-on-Naze ...		-	-			b	b	12.6
Montrose ...	15.0	-	-	60	54	b	o	7.8		Southend-on-Sea ...	9.6	-	-	71	52	b	b	
St. Andrews ...	14.3	-	-	62	39	b	c	10.2										
Carnoustie ...	*	*	*	64	53	b	b	11.5										
England, E.										Margate ...	9.0	-	-	64	56	b	b	11.0
Harrogate ...	14.2	-	-	70	48	b	b	10.6		Hastings ...	12.8	-	-	73	56	b	b	11.6
Skegness ...	2.3	-	-	63	49	bc	b	10.5		Eastbourne ...	12.3	-	-	69	57	bc. o. c. b	b. bc	7.7
England, S.E.										Seaford ...	10.2	-	-	75	55	b. bc	bc	9.6
Brighton ...										Worthing ...	10.1	-	-	78	57	bc	bc	10.1
Southport ...	14.1	-	-	74	48	b	b	12.0		Littlehampton ...	*	-	-	73	50	-	-	9.0
Morecambe ...	15.3	-	-	76	52	-	-	12.7		Bognor ...		-	-			-	-	
Southport ...	14.1	-	-	74	48	b	b	12.0		Bournemouth ...	9.5	-	-	71	52	b. bc	b	10.0
Midlands.										Weymouth ...	*	*	*	72	54	b. bc	bc. om	8.8
Leamington Spa ...										Torquay ...	2.8	-	3	64	57	c. o	on	1.3
Malvern ...										Paignton ...		-	Trace	62	58	c	op	0.0
Ross-on-Wye ...	11.7	-	-	74	56	b	bc	9.6		Penzance ...	0.0	Trace	1	60	54	on. f	of	0.0
Wales.										Newquay ...	3.1	Trace	-	62	54	o	o	0.0
Rhyl ...	14.7	-	-	74	50	b	b	12.2		Bude ...	4.1	-	-	66	54	o	o	0.0
Colwyn Bay ...	*	*	*	75	49	bc	b	14.2		Ilfracombe ...	5.4	-	Trace	65	54	bc	op	5.0
Llandudno ...	*	*	*	69	49	b	b	12.6		Weston-s-Mare ...	10.5	-	-	74	50	b. bc	b. bc. cr	8.0
Aberystwyth ...	*	*	*	76	54	c. b	bc. c	12.5										

REPORTS FROM FOREIGN STATIONS FOR Tuesday, 3<sup>rd</sup> JULY.

STATIONS.	EVENING OF 2nd						MORNING OF 3rd						MORNING OF 3rd					
	Barom.	Temp.	Wind.	Force	Weather.		Barom.	Temp.	Wind.	Force	Weather.		Barom.	Temp.	Wind.	Force	Weather.	
	Milli- bars at M.S.L.	° F.	Dir.	0-12.			Milli- bars at M.S.L.	° F.	Dir.	0-12.			Milli- bars at M.S.L.	° F.	Dir.	0-12.		
Archangel ...	1020.2	55	-	0	b		1019.5	57	SW	2	bc		1023.4	57	+	0	c	
Gorki ...							1006.9	68	-	0	o		1028.4	55	+	0	c	
Velieki Luki ...	1011.9	64	W	3	o		1008.6	61	N	3	bc							
Hangö ...	1019.8	61	-	0	b		1018.4	59	-	0	b							
Riga ...	1015.1	64	NE	1	bc		1014.4	64	NE	2	b							
Petrograd ...	1019.0	57	NE	2	b		1016.6	59	NE	3	c							
Moscow ...																		
Kiev ...	1005.9	70	SE	3	b													
Kharkov ...	1007.5	73	SE	1	b		1006.7	73	-	0	b							
Kishinev ...																		
Elisabetgrad ...																		
Nicolaiev ...																		
Odessa ...																		
Tarkhankout ...																		
Soukhom ...																		
Venice ...	1011.8	73	-	0	bc		1014.2	72	+	0	o		1029.0	57	+	0	o	
Pesaro ...	1013.5	70	-	0	b		1015.4	73	+	0	b							
Rome ...	1016.2	73	SW	1	b		1017.7	72	-	0	b							
Viesti ...	1014.6	73	-	0	b		1016.2	77	-	0	c							
Brindisi ...	1013.5	68	ENE	1	b		1013.4	72	SSW	1	b							
Cagliari ...	1015.8	81	NW	3	b		1018.8	68	NW	3	b							
Palermo ...							1017.1	72	0	0	b							
Tripoli ...							1016.5	82	-	0	b							
Algiers ...	1016.6	72	NNE	2	b		1018.1	77	NE	3	f							
Hernösand ...	1020.6	59	SE	2	bc		1020.8	63	+	0	b							
Stockholm ...	1020.2	68	ESE	2	b		1019.7	64	SE	2	o							
Wisby ...	1020.3	55	N	4	b		1015.6	59	NNW	2	b							

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

4 <sup>th</sup> and 5 <sup>th</sup> JULY, 1917.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	3.38	11.57	8.16
Greenwich ...	...	3.38	11.57	8.16
Wick ...	...	3.15	12.16	9.17
Valencia ...	...	4.29	12.45	9.1

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

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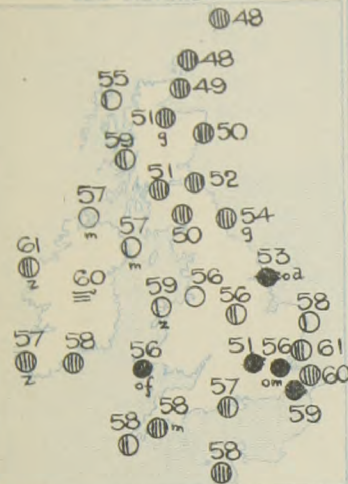


THE MORNING OF

Wednesday, 4<sup>TH</sup>

JULY, 1917.

TEMPERATURE, WEATHER AND  
SEA DISTURBANCE.



FORECAST DISTRICTS.



EXPLANATION.

BAROMETER.—Isobars are drawn for intervals of five millibars.

WIND.—Direction is shown by arrows flying with the wind.

Force, on the scale 0-12, is indicated by the number of feathers. Calm

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—

○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded.

○ sky 3/4 clouded. ○ overcast sky. ● rain falling.

✕ snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.

K, thunderstorm.

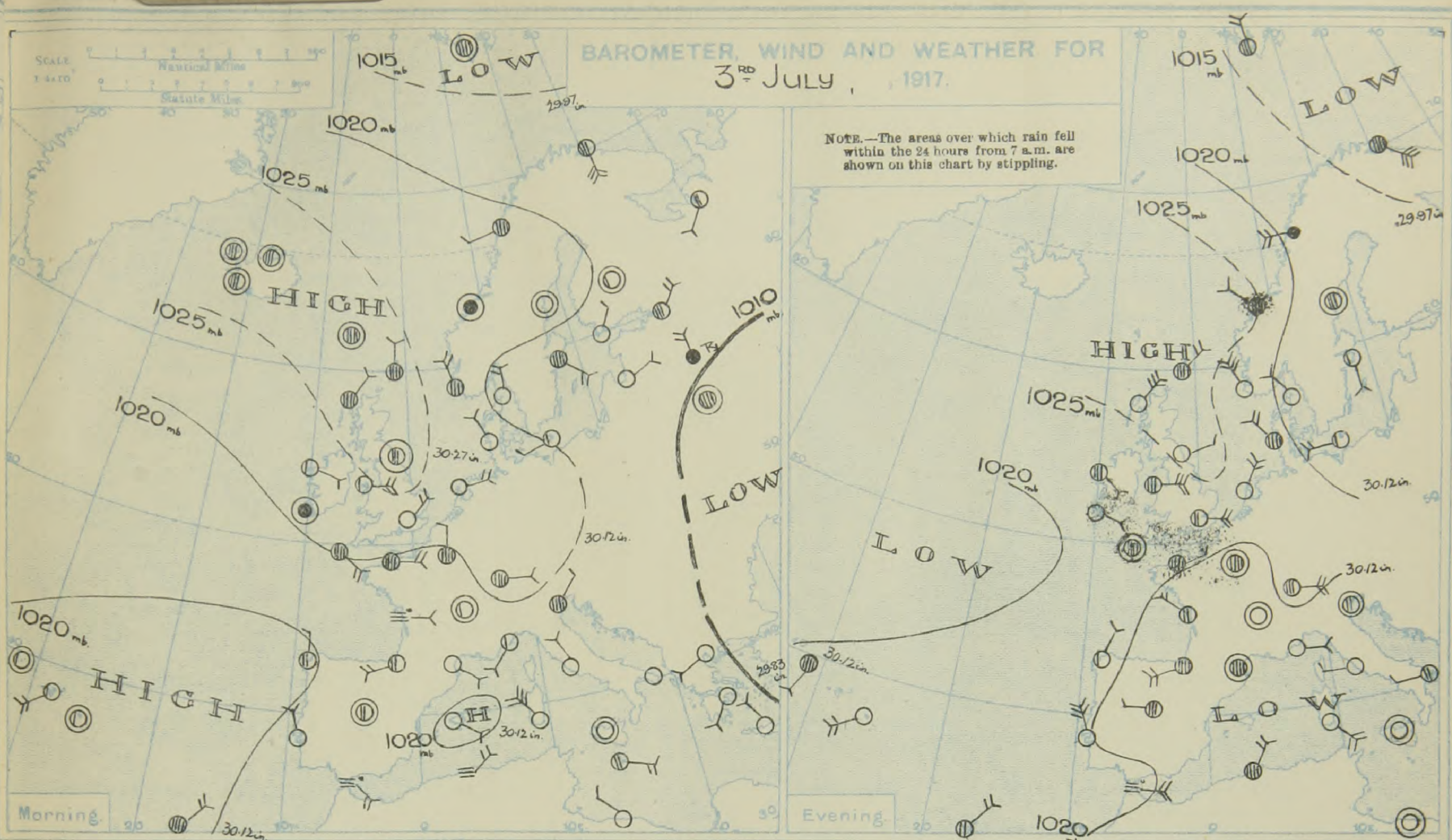
SEA DISTURBANCE.—Rough ~~~~~ High ~~~~~



SCALE 1:250,000  
NAUTICAL Miles  
STATUTE Miles

Normal Temperature of the Sea.  
Below 50 50-60 60-70 Above 70  
Scale of Tints for JULY.





#### General Notes on the Weather at 7h. 4th July, 1917

The region of dull weather and occasional rain which has persisted for some time at the mouth of the Channel, spread rather suddenly towards the east yesterday evening. By 1 a.m. rain had commenced at Portland Bill and the sky had become overcast at Kew and Benson.

These changes were associated with the development over the Bay of Biscay or Mouth of the Channel of a shallow disturbance which passed up the Channel during the night. This morning's map shows a very shallow depression near the Straits of Dover, which is causing rain at several stations in the South of England.

An extensive region of calms covers the south of Ireland and the South-West of Ireland. Further north a N.E. wind of moderate strength is general with fair weather. The North Sea fog referred to in yesterday's report has dispersed.

#### The Outlook

The changes of the barometer are very slight. The northern anticyclone seems well established, but in the south conditions are favourable for the formation of fresh disturbances, which may very likely be accompanied by thunder.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 185. { Wednesday, 4<sup>th</sup> July

STATIONS.	EVENING OF 3 <sup>rd</sup>						MORNING OF 4 <sup>th</sup>										24 HOURS ENDED 7 A.M.						Sun- shine for 3 <sup>rd</sup> Hours.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	TEMP. °F.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	1028.7	50	NE	3	o	1028.8	0	48	0	NE	4	—	o	3	—	54	46	abc	bc. o	o	—	
	Deerness (Orkney)	1028.8	50	ENE	3	o	1029.1	*	48	0	NE	3	—	o	2	—	52	47	fo	o	o	0.6	
	Stornoway	1026.2	59	NE	5	bx	1027.0	0	55	—	NE	4	—	b	3	—	60	48	ox. bx	bc. bx	b	11.1	
	Castlebay (Barra Isd.)	1025.1	65	NE	4	b	1027.3	+1	51	—	ENE	2	—	om	—	—	70	50	bx	b	b. bc. o	14.5	
	Glasgow	1024.9	64	NE	4	bx	1026.9	+1	50	—	NE	3	—	o	—	—	71	45	bx. b	bx	b. bc. o	15.6	
	Malin Head	1023.5	61	E	3	bx	1024.4	0	57	—	SE	3	—	bm	3	—	64	53	bx	bx	bm	14.1	
	Blacksod Point	1021.9	62	SSE	3	cz	1022.1	0	61	—	NE	1	—	cz	1	—	72	56	bx	bx	cz	—	
	Valencia (Cahirveen)	1021.1	59	SE	2	o	1022.8	+2	57	—	—	0	—	oz	2	2	64	59	orm	o	C. oz	0.0	
	Roche's Point	1021.0	58	E	3	o	1022.9	*	58	—	S	1	—	o	1	2	61	56	r. o	og	om	—	
	Birr Castle	1021.5	69	S	1	o	1022.7	*	60	—	—	0	—	m	—	1	72	52	z	z. c. o	opz	6.7	
	Donaghadee	1023.2	59	NNW	2	bm	1025.1	+2	57	—	ENE	2	—	bm	2	—	65	51	bm	bm	bm	—	
	Liverpool (Bidston)	1022.2	72	E	3	b	1024.3	0	56	—	E	2	—	b	2	—	74	51	bm	b	b	13.3	
	Holyhead	1021.7	68	E	5	cmg	1022.6	0	59	—	E	3	—	bz	2	—	70	54	bm	b. bc. c	b	13.6	
	Pembroke (St. Ann's)	1022.0	58	—	0	or	1022.8	+2	56	—	—	0	—	orf	1	18	63	56	c	c. or	orf	5.0	
	NORTHERN EUROPE.	Scilly (St. Mary's)	1021.7	60	—	0	om	1023.3	+1	58	—	—	0	W	bc	3	0.4	64	50	omr	om	om. c. bc	0.3
Falmouth		1021.0	59	ESE	1	og	1022.0	+1	58	—	NNE	1	—	om	—	1	60	57	o	o. og	omd. om	0.0	
Jersey (St. Aubin)		1020.3	67	ENE	1	o	1022.1	*	58	—	W	3	—	o	1	0.1	69	55	og. bc. o	o. c. o	om. o	0.3	
Portland Bill		1020.6	60	ENE	1	o	1021.4	+1	57	—	—	0	NE	c	1	5	65	55	bc	bc. c. o	ort	—	
Dungeness		1019.7	64	NE	4	bc	1019.6	0	59	—	NE	3	—	r	3	9	67	58	bc	bc	bc. or	—	
Dover		1021.9	62	NNE	4	bc	1020.9	0	60	—	NE	3	NE	o	2	—	69	57	b	b. bc	bc. o	10.5	
Wick		1028.6	51	NE	2	o	1028.8	+1	49	—	ENE	3	—	o	2	—	52	48	fe. omg	omg	omg	—	
Nairn		1027.5	54	ENE	2	cg	1028.3	0	51	—	ENE	1	—	og	1	—	65	49	cg	cg	c. o	3.6	
Aberdeen		1028.2	53	ENE	2	o	1028.5	0	50	—	N	2	—	o	2	—	60	49	o	omd. o	o	1.5	
Leith		1025.6	58	E	2	b	1027.1	0	52	—	E	2	—	o	2	—	61	51	b	b	bx. bc	—	
Tynemouth		1026.7	59	ENE	1	b	1026.3	0	54	—	NE	2	—	og	3	—	61	53	b	b	og	—	
Spurn Head		1025.1	58	ENE	4	b	1024.6	0	53	—	ENE	3	—	ad	3	0.3	61	50	bcf	bc. m	b	10.5	
Yarmouth (Gorleston)		1023.9	60	NE	3	b	1023.7	0	58	—	NE	3	—	b	3	—	62	55	b	b	bc	15.0	
Clacton-on-Sea		1022.8	65	ENE	4	b	1022.1	+1	61	—	NE	4	SE	c	3	—	67	57	b	b	bc. c	15.2	
Nottingham		1023.9	67	E	3	b	1024.4	0	56	—	ENE	2	E	bc	—	—	73	47	b	b	b	13.9	
Benson (Oxon.)	1021.3	72	E	2	bc	1021.8	+2	51	—	NNE	2	—	r	—	2	76	51	b	bc	ogr	—		
Sth Farnborough	1020.9	70	E	4	bc	1021.3	0	52	—	NE	2	—	r	—	24	75	bc. bx. bc	bc. b. bc	bc. olr	12.6			
London (Kew Obs.)	1021.9	70	E	4	bc	1021.7	0	56	—	ENE	3	—	omr	—	1	74	55	bm. bz	bz. bc	b. bc. omg	12.4		
FRANCE, &c.	Spitsbergen	1014.9	41	N	3	c	1018.9	+1	41	—	NE	6	—	bc	—	—	41	32	—	—	—	—	
	Vardø	1011.9	45	SE	6	o	1009.6	+2	46	—	SE	5	—	c	4	—	50	39	—	—	—	—	
	Bodø	1019.3	45	W	4	r	1018.3	0	45	—	W	4	—	c	2	—	50	39	—	—	—	—	
	Christiansund	1026.5	52	NW	2	o	1025.5	0	48	—	NW	3	—	c	3	1	64	45	—	—	—	—	
	Skudesnaes	1021.2	57	NNW	5	b	1021.5	0	55	—	NNW	6	—	b	2	—	59	50	—	—	—	—	
	Færder (X'lamia Fjord)	1018.9	66	NNE	2	b	1018.6	0	59	—	NNE	4	—	c	1	—	66	57	—	—	—	—	
	The Scaw (Skagen)	1019.7	64	NW	2	b	1017.6	—	63	—	NNE	1	—	b	1	—	66	59	—	—	—	—	
	Blaavands Huk	1022.4	57	NNW	3	o	1019.8	?	61	—	N	2	—	o	—	—	63	54	—	—	—	—	
	Copenhagen	1018.6	66	NNW	3	bc	1016.7	+1	66	—	NNW	3	—	b	—	—	72	57	—	—	—	—	
	Bornholm	1017.9	64	W	3	b	1016.6	+1	63	—	WSW	2	—	b	—	—	68	57	—	—	—	—	
	The Helder	1023.7	64	NNE	4	b	1022.4	—	57	—	N	3	SW	b	2	—	68	57	—	—	—	—	
	C. Gris Nez	1020.8	63	ENE	4	bc	1020.7	+1	60	—	SW	1	—	r	1	2	68	59	—	—	—	—	
	La Hève	1021.9	66	SW	1	bc	1023.7	+1	60	—	—	0	—	c	1	—	72	57	—	—	—	—	
	Brest (St. Mathieu)	1019.9	68	NW	3	bc	1022.0	+1	64	—	N	3	—	b	—	—	81	61	—	—	—	—	
	Rochefort (Ile d'Aix)	1019.9	67	WSW	4	o	1022.6	+1	67	—	NNW	2	—	o	2	—	72	64	—	—	—	—	
SOUTHERN STATIONS.	Paris	1019.5	70	W	1	tlr	1021.2	+2	63	—	WNW	1	—	o	—	12	79	61	—	—	—	—	
	Belfort	1021.2	68	E	4	c	1022.6	*	65	—	—	0	—	m	—	—	76	58	—	—	—	—	
	Lyons	1018.6	71	—	0	b	1021.0	*	68	—	—	0	—	b	—	—	80	60	—	—	—	—	
	Nice	1016.8	71	E	2	b	1019.7	0	68	—	3	—	—	c	—	—	79	63	—	—	—	—	
	Perpignan	1018.6	75	—	0	o	1020.3	+2	75	—	—	0	—	o	—	—	84	61	—	—	—	—	
	Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—	—	—	—	—	—	—	
	Corunna	1021.9	66	NNE	2	b	1024.7	?	63	—	—	0	—	c	1	—	68	55	—	—	—	—	
	Madrid	1016.3	82	W	1	c	1021.0	+2	72	—	E	1	—	b	—	—	86	61	—	—	—	—	
	Lisbon	1020.0	73	NNW	5	b	1020.8	+1	63	—	N	2	—	b	5	—	81	59	—	—	—	—	
	Azores (Horta)	1023.4	*	SW	4	b	1020.6	0	66	—	SW	5	—	o	3	—	73	66	—	—	—	—	
	Madeira	1021.6	72	NE	3	bc	1021.6	0	66	—	NE	3	—	b	3	—	72	64	—	—	—	—	
	Gibraltar	1020.3	72	E	4	m	1019.6	*	69	—	SE	4	—	m	3	—	81	66	—	—	—	—	
	Malta	*	*	*	*	*	1018.9	+2	77	—	N	1	—	b	1	—	84	73	—	—	—	—	
	Limassol	*	*	*	*	*	1005.6	0	82	—	—	0	—	o	—	—	73	61	—	—	—	—	
	Alexandria	1012.0	75	NNW	3	b	1010.9	0	77	—	NW	3	—	bc	2	—	84	72	—	—	—	—	
Cairo (Helwan)	1010.7	84	N	3	b	1010.6	+1	73	—	NW	2	—	b	—	—	95	66	—	—	—	—		
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 3 <sup>rd</sup>	24 HOURS ENDED 9 h. 4 <sup>th</sup>					WEATHER.			SOUTH KENSINGTON.										



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Wednesday, 4<sup>th</sup> JULY, 1917.

The sky was overcast at times and the maximum temperature was generally below 70°. In the north for the most part it was below 60°. Sunshine varied very much, many stations in England recording none. Rain occurred in the south-east of England, 12 mm. at Kew. Pembroke and Jersey had wet fogs at night.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Wednesday, 4<sup>th</sup> JULY, UP TO 17 H.

STATIONS.	Sun- shine for 3rd	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 4th.	STATIONS.	Sun- shine for 3rd	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 4th.	
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.		
		Mm.	Mm.	° F.	° F.			Hr.			Mm.	Mm.	° F.	° F.			Hr.	
Scotland.	{ Oban ... ..								England, E.	{ Lowestoft ... ..	14.7	-	-	60	55	bc. c	c. o	7.3
	{ Banff ... ..	0.2	-	54	50	o. c	c	1.1		{ Felixstowe ... ..	15.3	-	-	63	52	bc	bc	10.4
	{ Montrose ... ..	7.8	-	56	50	o	b	4.1		{ Walton-on-Naze ... ..	16.0	-	-	63	57	b. bc	bc	6.0
	{ St. Andrews ... ..	10.3	-	57	50	o	c	2.8		{ Southend-on-Sea ... ..	14.6	-	-	62	52	o	o	0.0
	{ Carnoustie ... ..	*	*	*	59	50	b	b		4.2								
Eng. N.W.	{ Harrogate ... ..	12.3	Trace	57	46	od. o	o	0.0	England, S.E.	{ Margate ... ..	13.0	-	-	62	58	o	o	0.2
	{ Skegness ... ..	13.2	-	58	54	bc. od	o	1.7		{ Hastings ... ..	12.0	12	7	63	57	bc. or	or. o	0.0
Eng. N.W.	{ Morecambe ... ..	15.1	-	67	51	-	-	7.3		{ Eastbourne ... ..	7.7	7	1	61	57	od	od. o	0.0
	{ Southport ... ..	14.1	-	68	48	bc. b. c	bc. b	1.2		{ Seafood ... ..	9.8	*	*	71	56	or	om	0.0
										{ Brighton ... ..	11.0	22	Trace	62	56	o	o	0.0
										{ Worthing ... ..	8.7	18	1	64	56	od	c. o	0.2
										{ Littlehampton ... ..				66	55			0.8
Midlands.	{ Leamington Spa ... ..									{ Bognor ... ..								
	{ Malvern ... ..	*	-	65	51	c	c	0.0		{ Bournemouth ... ..	10.0	8	6	62	54	or	or	0.1
	{ Ross-on-Wye ... ..	10.3	-	65	52	o	o	0.0	England, S.W.	{ Weymouth ... ..	*	*	*	62	55	oz	oz	0.0
			Trace							{ Torquay ... ..	1.3	2	-	61	56	o	o. c. o	0.2
										{ Paignton ... ..								
Wales.	{ Rhyl ... ..	13.5	-	69	52	b	b. bc. c	11.2		{ Penzance ... ..	0.0	-	-	68	56	bc	bc	6.0
	{ Colwyn Bay ... ..	*	*	67	52	bc	bc	14.0		{ Newquay ... ..	0.0	-	-	61	56	fe. o	o	0.7
	{ Llandudno ... ..	*	*	67	53	b	b	12.4		{ Bude ... ..	0.0	14	2	63	57	o	o	0.3
	{ Aberystwyth ... ..	*	*	70	57	o. c	b. bc	5.0		{ Ilfracombe ... ..	5.2	10	1	62	54	or	or	0.0
										{ Weston-s-Mare ... ..	8.3	10	2	58	54	r	or	0.0

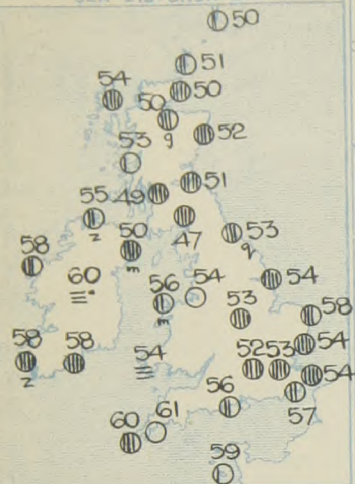
REPORTS FROM FOREIGN STATIONS FOR Wednesday, 4<sup>th</sup> JULY.

STATIONS.		EVENING OF.....3rd.....					MORNING OF.....4th.....										MORNING OF.....4th.....						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.	
		° F.					↓	° F.	° F.						° F	° F			° F	° F			
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...						1013.6	-3	55	-2	E	3	0	-	*	45							
	Gorki ...						1001.5	*	61	-7	W	1	0	11	*	61							
	Velioki Luki ...	1003.3	63	NNW	3	0	1003.0	*	57	-4	N	3	0	8	*	57							
	Hangö ...	1014.7	64	NW	3	0	1012.2	-1	57	-2	NNW	3	0	-	*	52							
	Riga ...	1011.8	63	NE	1	0	1011.0	0	63	-1	NNW	1	0	-	*	57							
	Petrograd ...	1011.1	63	NE	1	0	1005.3	-2	55	-4	N	4	0	2	64	54							
	Moscow ...	1007.8	68	ESE	3	0	1006.3	+2	68		ESE	2	0	-	*	64							
	Kiev ...	1002.7	68	WNW	3	0	1003.3	0	55		NW	4	0	11	*	63							
	Kharkov ...	1004.4	70	SSE	2	0	1001.2	-1	64	-9	SSE	2	0	4	*	63							
	Kishinev ...														*								
	Elisabetgrad ...														*								
	Nicolaiev ...														*								
MEDITERRANEAN.	Odessa ...														*								
	Tarkhankout...														*								
	Soukhom ...														*								
	Venice ...	1017.0	73	-	0	0	1018.6	*	72	0	NE	1	0	1	79	68							
	Pesaro ...	1017.8	73	-	0	0	1018.7	*	75	+2	SW	1	0	-	82	64							
	Rome ...	1018.3	73	W	1	0	1019.5	*	73	+1	NE	1	0	-	84	66							
	Viesti ...	1017.4	75	WNW	1	0	1017.5	*	73	+4	NNW	6	0	-	79	70							
	Brindisi ...	1016.5	73	W	1	0	1015.7	*	75	+3	NW	3	0	-	75	70							
SWEDEN.	Cagliari ...	1017.1	82	SE	4	0	1019.0	*	?	-	NW	4	0	?	?	?							
	Palermo ...	1018.6	75	-	0	0	1020.7	*	73	+1	-	0	0	-	86	61							
	Tripoli ...	1018.6	82	-	0	0	1020.7	*	85	+3	SW	1	0	-	91	72							
	Algiers ...	1018.7	73	NNE	3	0	1017.5	0	75	-2	NE	2	0	-	75	70							
	Hernösand ...	1017.7	64	-	0	0	1016.8	*	55	-8	NW	6	0	-	*	*							
	Stockholm ...	1007.6	68	S	2	0	1016.6	*	59	-5	N	4	0	-	*	*							
	Wisby ...	1017.1	61	ENE	2	0	1015.5	*	59	0	NW	2	0	-	*	*							

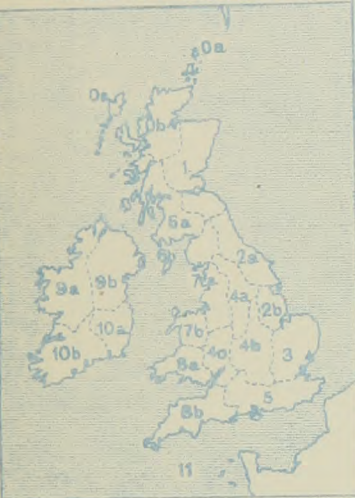
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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FORECAST DISTRICTS.



EXPLANATION.

- BAROMETER.**—Isobars are drawn for intervals of five millibars.
- WIND.**—Direction is shown by arrows flying with the wind.  
Force, on the scale 0-12, is indicated by the number of feathers. Calm
- TEMPERATURE.**—Given in degrees Fahrenheit.  
Isotherms shown by dotted lines.
- WEATHER.**—Shown by the following symbols:—  
 clear sky. sky 1/2 clouded. sky 3/4 clouded. overcast sky. rain falling.  
 snow. hail. fog. mist. T, thunder.  
 thunderstorm.
- SEA DISTURBANCE.**—Rough High

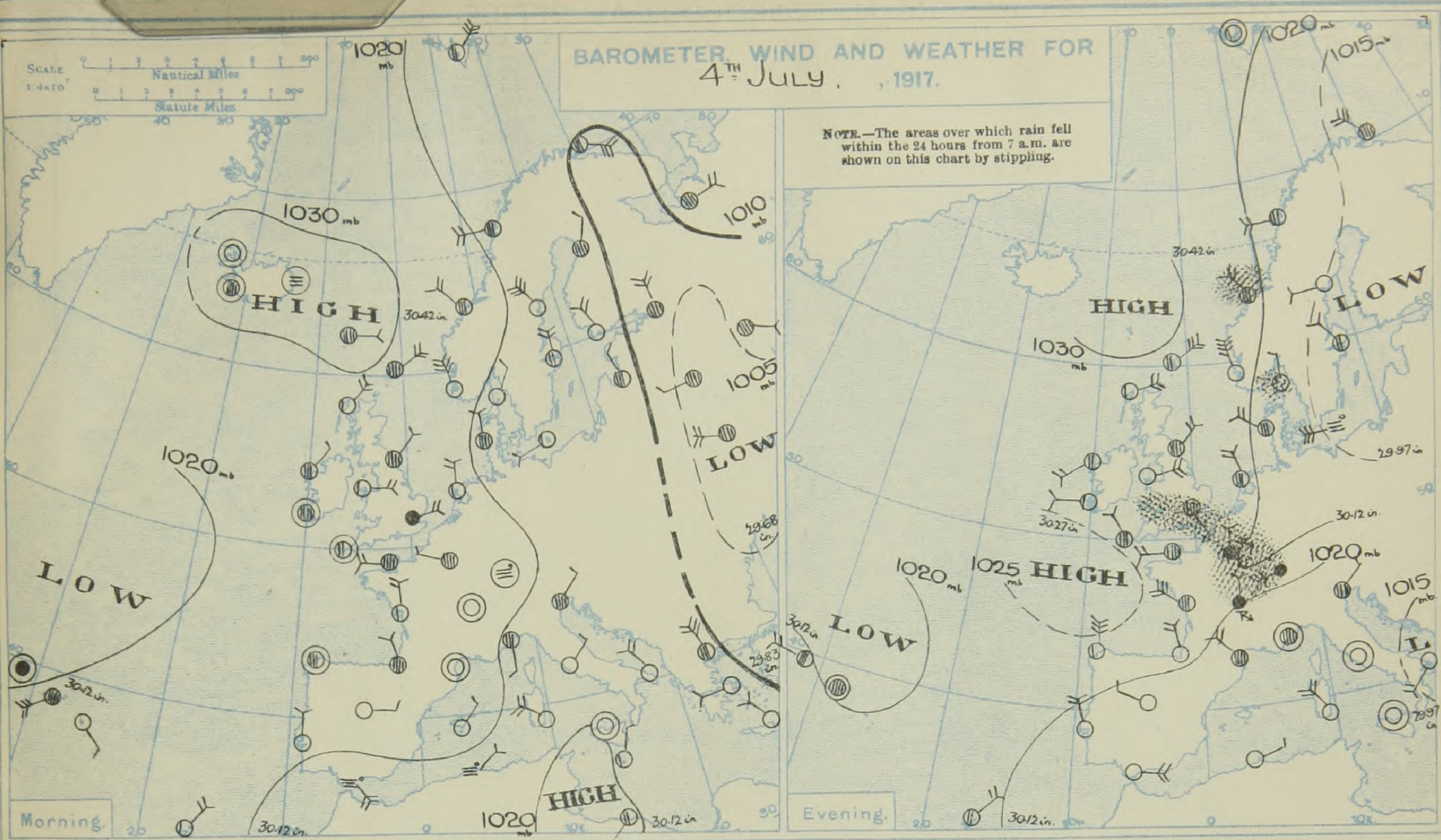
SCALE 1 : 2 × 10<sup>6</sup>  
Nautical Miles  
Statute Miles

Normal Temperature of the Sea.

Below 50° 50°-60° 60°-70° Above 70°   
Scale of Tints for JULY.





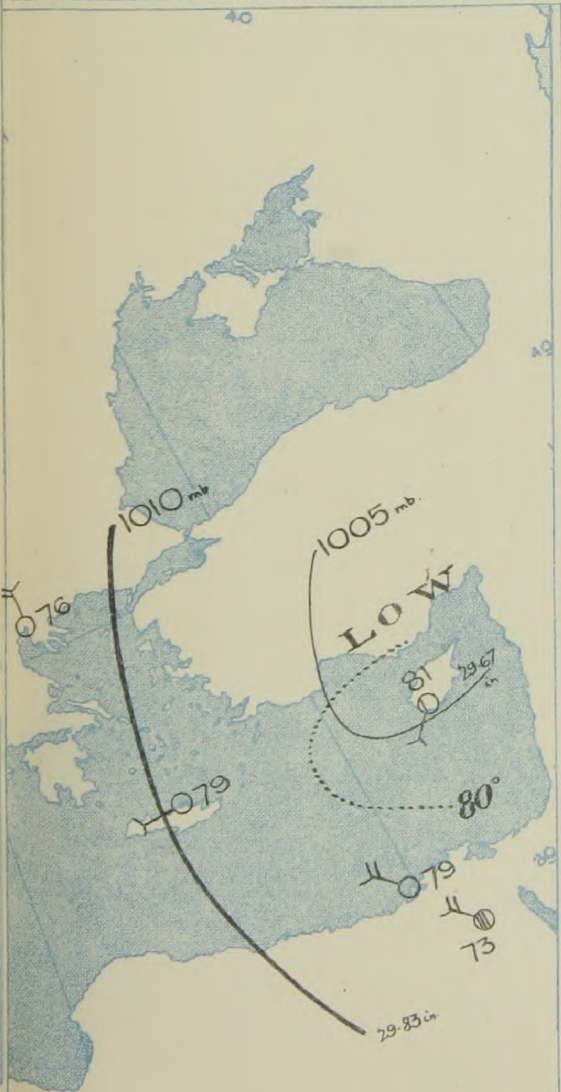


#### General Notes on the Present Situation

The weather conditions have become more uniform over the British Isles, light or moderate NE. breezes being general. The height of the barometer has varied very little during the last few days, but a definite rise has set in all over this country and Northern France, and although there is a considerable amount of cloud, no rain is falling for the moment. Pressure is still high to the northward of Scotland, but has gone down somewhat in Iceland.

#### The Outlook

The outlook is rather more promising than it was yesterday, the disturbances in the south of England and in northern France having disappeared. The northern anticyclone is likely to maintain fair conditions for the present, but there is a possibility of fresh disturbances forming in the south later on.





STATIONS.	EVENING OF 4 <sup>th</sup>					MORNING OF 5 <sup>th</sup>										24 HOURS ENDED 7 A.M.						Sun- shine for 4 <sup>th</sup> Hours.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer. Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			Sun- shine for 4 <sup>th</sup> Hours.		
			Dir.	Force 0-12.			Dry Bulb. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	1029.4	50	NE	5	bc	1029.3	0	50	+2	NNE	3	N	bc	3	—	58	44	o.bc	bc	o.bc	*
	Deerness (Orkney)	1029.4	51	NE	2	bc	1029.4	*	51	+3	NE	3	NW	bc	2	—	54	46	o.c	c.bc	bc	3.8
	Stornoway	1026.9	56	ENE	4	b	1027.8	0	54	-1	ESE	3	—	o	3	—	61	50	b	b	bc.o	13.3
	Castlebay (Barra Isd.)																					
	Glasgow	1027.4	54	ENE	2	bcz	1029.3	+1	49	-2	E	2	—	o	*	—	56	48	cm	om.cm	bc.cm	1.8
	Eskdalemuir	1027.2	51	NE	3	o	1029.1	+1	47	-3	NNE	3	—	o	*	—	55	43	o	o	o.c.bc.o	0.1
	Malin Head	1024.2	60	SE	4	bz	1026.5	+1	55	-2	E	3	SW	bcz	3	—	62	51	bz	bz	bcz	14.5
	Blacksod Point	1023.0	62	SW	3	bcz	1024.4	0	58	-3	S	2	—	c.z	1	—	69	57	bz	bcz	c.z	*
	Valencia (Cahirveen)	1023.9	62	W	2	b	1025.1	0	58	+1	SE	2	SW	oz	2	—	65	52	o.c.z	c.bc.bz	bc.c.oz	6.7
	Roche's Point	1024.0	63	SSE	1	b	1026.1	*	58	0	S	1	—	o	1	Trace	65	54	ag	o.bz	bc.c.o	*
	Birr Castle	1022.6	66	S	1	o	1025.4	*	60	0	SE	1	—	m	*	—	73	45	z	z.o	z	4.0
	Donaghadee	1023.9	59	NE	1	bm	1027.2	+2	50	-7	SE	3	—	om	2	—	62	50	bcm	bcm	bm.om	*
	Liverpool (Bidston)	1023.9	63	NE	3	c	1027.9	+2	54	-2	ENE	3	—	b	3	—	68	51	bm	bc.o	bm	9.7
	Holyhead	1023.7	62	ENE	4	bm	1026.2	+1	56	-3	ENE	2	—	bcm	1	—	71	52	bm	bm	b.o.bm	13.3
	Pembroke (St. Ann's)	1024.7	55	S	2	o	1026.8	+1	54	-2	ENE	1	—	f	1	—	59	52	or.fop	o.op.o	bcf	0.0
	Scilly (St. Mary's)	1024.6	61	NW	2	c	1026.4	+1	60	+2	—	0	N	e	3	0.2	65	54	bc.c	c.bc.c	bcw.c	13.2
	Falmouth	1023.5	62	NW	2	bcz	1026.4	+2	61	+3	NE	2	—	b	*	—	69	56	om.bc	bc.b.bc	o.bc.b	6.5
	Jersey (St. Aubin)	1023.2	61	W	3	o	1025.5	*	59	+1	N	2	—	b	1	—	64	53	afe.c.o	o.c.o	afe.b	3.8
	Portland Bill	1022.2	58	NNW	3	bc	1025.9	+2	56	-1	NE	4	NE	bc	3	1	60	54	or	c.bc	o.c.bc	*
	Dungeness	1021.4	58	NE	3	c	1024.8	+4	57	-2	NE	2	NE	bc	2	3	62	54	r.cr	r.c	c.o.bc	*
	Dover	1022.2	55	NE	4	r	1025.2	+2	54	-6	N	3	—	o	3	2	60	52	or	r.or	o	0.0
	Wick	1029.4	50	ENE	2	bc	1029.9	+1	50	+1	ENE	2	—	o	2	—	52	47	omg	og.bc	bcm.g	*
	Nairn	1028.5	53	ENE	3	bcz	1029.7	*	50	-1	—	0	—	cg	1	—	60	43	cg	c.bc	bc.c	5.7
	Aberdeen	1028.3	54	ENE	4	b	1029.6	+1	52	+2	N	2	—	o	2	—	58	49	o.c.bc	bc.b	b.bc.c	7.8
	Leith	1027.1	55	E	2	bc	1028.8	+1	51	-1	E	2	—	o	3	—	57	50	o	o.c.bc	bc.c.v.o	*
	Tynemouth	1026.7	54	NE	3	og	1026.4	+1	53	-1	NE	3	N	cg	4	—	56	51	op	og	cg	*
	Spurn Head	1025.2	56	NE	4	o	1025.2	0	54	+1	NNE	4	—	o	4	—	59	52	o	o	o	0.9
	Yarmouth (Gorleston)	1023.6	57	NNE	4	c	1025.5	+2	55	-3	NE	4	—	c	4	—	63	53	bc	bc.c	c	9.9
	Clacton-on-Sea	1022.5	59	NE	3	c	1025.8	+2	54	-7	NNW	2	N	o	2	—	63	53	c.bc	bc	bc.c.o	4.4
	Nottingham	1024.5	58	ENE	3	o	1027.5	*	53	-3	NNE	2	NE	o	*	—	61	51	c.o	o	o	3.3
	Benson (Oxon.)	1022.6	59	—	0	o	1026.7	+3	52	-1	N	2	—	o	*	—	60	51	om	or.o	od	*
	Sth Farnborough	1022.3	58	ENE	1	o	1026.2	+2	53	+1	NE	2	—	o	*	—	59	51	rd.om	m.o	o	0.0
	London (Kew Obsy.)	1022.7	60	SSE	1	o	1026.7	+2	53	-3	NNE	3	—	o	*	12	61	62	omr.dr	omr.o	o.omr.omr	0.0
NORTHERN EUROPE.	Spitsbergen	1020.8	37	—	0	b	1021.7	0	39	-2	—	0	*	b	*	—	?	?				
	Vardö	1013.2	45	NW	5	o	1013.0	0	43	-3	N	5	—	o	3	*	46	41				
	Bodö	1017.5	43	N	4	c	1016.0	0	46	+1	W	2	—	c	2	—	45	39				
	Christiansund	1025.5	46	NW	3	c	1022.3	0	46	-2	NW	3	—	c	3	5	50	43				
	Skudesnaes	1017.5	52	NNW	7	b	1019.9	+3	52	-3	NNW	6	—	b	3	—	55	48				
	Færder (X'iania Fjord)	1017.2	55	ENE	2	o	1019.7	+1	54	-5	NNE	4	NW	bc	2	—	63	48				
	The Scaw (Skagen)	1016.6	64	N	1	b	1017.3	+2	55	-8	NE	3	NE	bc	3	1	68	55				
	Blaavands Huk	1017.9	61	NW	3	c	1015.9	?	61	0	N	3	—	c	*	—	64	52				
	Copenhagen	1014.9	68	NNW	2	b	1014.3	+1	64	-2	SE	3	—	bc	*	—	73	59				
	Bornholm	1013.2	64	W	5	m	1013.7	+1	61	-2	E	3	—	b	1	—	68	55				
FRANCE, &c.	The Helder	1021.1	59	NNW	3	c	1021.7	+1	57	0	NNW	4	NE	c	3	—	63	57				
	C. Gris Nez	1022.0	57	NE	4	o	1025.1	+3	54	-6	N	4	*	o	3	4	63	54				
	La Hève	1021.9	64	N	3	bc	1024.6	*	55	—	ENE	3	*	bc	2	—	70	52				
	Brest (St. Mathieu)	1025.0	64	NW	3	bc	1027.0	+1	58	-2	N	2	*	c	1	—	68	55				
	Roche fort (Ile d'Als)	1023.0	64	NW	5	c	1024.8	+1	60	-4	ENE	3	*	bc	*	—	70	57				
	Biarritz	1023.1	68	NNW	3	bc	1025.7	+2	68	+1	NE	2	*	bc	2	—	75	59				
	Paris	1020.4	70	N	3	cl	1023.9	+3	59	-4	N	3	—	o	*	—	73	57				
	Belfort	1022.3	63	WSW	6	r	1021.0	*	59	-6	WSW	4	*	o	*	—	79	57				
	Lyons	1019.9	62	N	2	clr	1021.2	*	61	-7	NNW	2	*	bc	*	9	82	57				
	Nice	1017.0	68	—	0	o	1014.6	-1	70	+2	—	0	*	bc	0	—	79	63				
SOUTHERN STATIONS.	Perpignan	1019.4	77	NW	3	o	1021.1	+2	73	-2	W	4	NW	b	*	—	90	66				
	Sanguinaire	1019.7	76	NW	2	m	1017.2	*	71	-1	E	2	*	o	3	—	84	64				
	Corunna	1024.0	68	N	6	b	1022.3	-1	66	+3	—	0	—	b	1	—	68	57				
	Madrid	1016.2	86	WNW	1	b	1019.0	+2	73	+1	NNE	1	—	b	*	—	90	64				
	Lisbon	1018.4	79	NNW	4	b	1017.1	0	66	+3	—	0	—	b	*	—	82	61				
	Azores (Horta)	1019.9	*	—	0	o	1022.4	+2	63	-3	NNE	1	*	c	1	8	72	59				
	Madeira	1020.7	72	NE	3	bc	1021.0	0	63	-3	NE	3	—	b	3	—	72	63				
	Gibraltar	1018.9	73	E	4	b	1018.3	*	72	+3	E	4	*	m	3	—	81	68				
	Malta	*	*	*	*	*	1016.4	+1	79	+2	ENE	1	—	b	0	—	82	73				
	Limassol	*	*	*	*	*	1004.3	+1	81	-1	SW	2	—	b	0	—	90	64				
Alexandria	1008.8	75	NW	3	b	1007.4	0	79	+2	NW	3	—	b	2	—	84	72					
Cairo (Helwan)	1008.0	84	N	3	b	1007.0	0	73	0	N	3	—	c	*	—	93	70					
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 4 <sup>th</sup> Hours.	24 HOURS ENDED 9 h. 5 <sup>th</sup>						SOUTH KENSINGTON.											
		15 h.	9 h.		TEMPERATURE.			Rain- fall.	WEATHER.		Vertical Component of Solar Radiation per square Centimetre during 4 <sup>th</sup>											
		4 <sup>th</sup>	5 <sup>th</sup>		Max.	Min.	Min. on Grass.		Morn- ing.	After- noon.	Night.	Total.			Average Rate.	Max. Rate.						
GREENWICH (Royal Observatory)		86	68	0.0	62	52	50	3	op	op	opo	375			6.3	23						
CITY (Bunhill Row)		*	*	0.0	*	*	*	*	*	*	*	Joules.			Milliwatts.	Milliwatts.						
WESTMINSTER (St. James's Park)		81	69	0.0	62	53	—	3	ord	od	oro	375			6.3	23						
CAMDEN SQ. (British Rainfall)		82	66	0.0	65	54	52	2	o.or	or.o	*	The thermometers at Greenwich and Camden Square are in Glaisher screens.										
HAMPTSTEAD (Reservoir)		*	70	0.0	61	49	44	2	c	or	or											
S. KENSINGTON (Museum																						



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Thursday, 5th JULY, 1917.

Maximum temperatures of about 60° were general, the thermometer remaining below 70° even inland. Sunshine records were fairly good, Deerness recording over 15 hours. Slight rain fell in Ireland and at Pembroke in the night.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Thursday, 5th JULY, UP TO 17 h.

STATIONS.	Sun- shine for 4h.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 5h.		STATIONS.	Sun- shine for 4h.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 5h.
		Night, 17h-9h.	Day, 9h-17h.	Max.	Min.	Forenoon.	Afternoon.					Night, 17h-9h.	Day, 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.							Mm.	Mm.	° F.	° F.			
Scotland.										Lowestoft ...	7.3	-	-	59	52	o. c	c	6.0
Oban ...	1.9	-	-	55	49	c. bc	bc	6.0		Felixstowe ...	10.5	-	-	66	53	c. bc	bcv	7.2
Banff ...	4.1	-	-	56	52	o	bc	4.1		Walton-on-Naze ...	0.0	-	-	67	52	o. c. bc	bc. b	5.3
Montrose ...	5.2	-	-	57	46	b	c	8.2		Southend-on-Sea ...	0.0	-	-	67	52	o. c. bc	bc. b	5.3
St. Andrews ...	5.2	-	-	57	46	b	c	8.2										
Carnoustie ...	*	*	*	59	53	cj	b	8.2										
Eng. N.E.										Margate ...	0.2	-	-	60	54	c	b	5.0
Harrogate ...	0.0	-	-	61	48	c. bc. c	b. bc	5.6		Hastings ...	0.0	1	-	63	53	op. bc. d	b	10.9
Skegness ...	1.7	-	-	59	51	bc	bc	6.2		Eastbourne ...	0.0	Trace	-	62	54	o. c. bc. d	b	5.2
										Seaford ...	*	-	-	65	52	o. bc	b	4.5
Eng. N.W.										Brighton ...	0.0	1	-	64	53	o. c	c. b	4.2
Morecambe ...	9.4	-	-	67	48	-	-	12.0		Worthing ...	0.2	-	-	63	53	o	bc. d	4.0
Southport ...	3.4	-	-	69	46	b. bc. c	b. bcx	10.7		Littlehampton ...	*	-	-	63	52	-	-	3.6
										Bognor ...		-	-	63	52	-	-	
Midlands.										Bournemouth ...	0.1	-	-	63	53	o	o. b	4.0
Leamington Spa ...	0.0	-	-	67	49	c. bc	bc	11.0										
Malvern ...	0.0	-	-	67	48	bcn	bc. b	10.0		Weymouth ...	*	*	*	65	54	bc. b	dm	8.5
Ross-on-Wye ...	0.0	-	-	67	48	bcn	bc. b	10.0		Torquay ...	0.2	-	-	63	56	b	b	11.7
										Paignton ...		-	-	63	56	b	b	
Wales.										Penzance ...	6.2	-	-	65	57	bc	bc. c	8.3
Rhyl ...	11.2	-	-	66	49	bc	b. bc	9.5		Newquay ...	1.1	1	-	66	55	b	b	8.1
Colwyn Bay ...	*	*	*	63	52	bc	c	9.5		Bude ...	0.3	-	-	68	53	b	b	10.5
Llandudno ...	*	*	*	62	53	b	b. dm	9.2		Ilfracombe ...	0.0	Trace	-	65	54	b	b	8.5
Aberystwyth ...	*	*	*	63	55	o. c. b	bc. c	8.0		Weston-s-Mare ...	0.0	-	-	69	49	b. bc. d	b. bc. b	9.0

REPORTS FROM FOREIGN STATIONS FOR Thursday, 5th JULY.

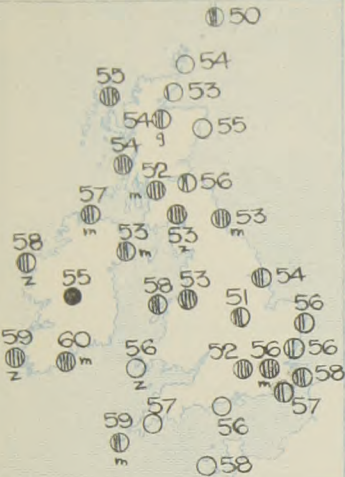
STATIONS.		EVENING OF 4th					MORNING OF 5th										MORNING OF 5th						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours.	WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.
				Dirac.	Force 0-12.						Dirac.	Force 0-12.			Max.	Min.			Dry Bulb. ° F.	Change in 24 hours.	Dirac.	Force 0-12.	
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1012.4	52	NE	4	o	990.7	*	55	0	NE	2	o	20	*	52	Isafjord ...	1028.6	59	0	-	o	b
	Gorki ...	999.7	57	NW	1	o	?	*	59	+2	NNW	4	c	3	*	55	Reykjavik ...	1029.2	55	0	-	o	b
	Velieki Luki ...	1002.0	59	NNW	4	c		*	59	+2	NNW	4	c	3	*	55	Vestmanna ...						
	Hangö ...	1008.4	57	NNW	5	b	1010.0	+2	52	-5	NNW	3	b	-	*	48	Seydisfjord ...	1028.3	67	+12	S	2	b
	Riga ...	1010.7	57	NNW	4	b	1009.7	0	57	-8	NNW	4	o	60	*	54	Thorshavn ...	1031.7	48	-2	SE	1	b
	Petrograd ...	1003.7	61	ENE	2	b	1001.6	0	63	+8	NNW	3	b	-	68	52							
	Moscow ...	1001.5	66	SE	2	o	1013.9	+3	64	+4	SSE	2	o	?	*	61							
	Kiev ...	1006.7	57	NNW	4	o									*								
	Kharkov ...	1002.0	64	W	3	o	1005.1	+2	59	-5	WSW	2	o	-	*	55							
	Kishinev ...														*								
MEDITERRANEAN.	Elisabetgrad ...	1017.3	63	-	o	c									*								
	Nicolaiev ...														*								
	Odessa ...	1019.7	70	NNW	4	b									*								
	Tarkhankout ...	1006.3	72	NW	5	b									*								
	Soukhom ...														*								
	Venice ...	1016.5	72	ENE	1	o	1014.2	*	71	-1	-	o	o	Traces	73	63	6th and 7th JULY, 1917.		Sunrise.	Noon.	Sunset.		
	Pesaro ...	1016.2	75	-	o	c	1014.2	*	75	0	-	o	bc	-	82	66		G.M.T.	G.M.T.	G.M.T.			
	Rome ...	1017.3	75	-	o	b	1015.7	*	72	-1	-	o	b	-	86	64	Yarmouth ...	...	3.39 3.40	11.58 11.58	8.16 8.15		
	Viesti ...	1016.2	77	NNW	2	b	1015.1	*	79	+6	NNW	1	b	-	81	73	Greenwich ...	...	6.52 3.53	12.5 12.5	8.16 8.16		
	Brindisi ...	1013.9	66	SW	3	b	1014.3	*	75	0	SW	3	b	-	75	66	Wick ...	...	3.15 3.19	12.17 12.17	9.15 9.14		
SWEDEN.	Cagliari ...	1017.1	81	NW	4	b	1015.9	*	70	-	NNW	5	b	-	82	59	Valencia ...	...	4.30 4.31	12.46 12.46	9.0 9.0		
	Palermo ...	1018.7	75	-	o	b	1017.6	*	79	+6	-	o	b	-	86	61							
	Tripoli ...						1017.3	*	81	-4	E	1	b	-	93	75							
SWEDEN.	Algiers ...	1016.8	73	ENE	1	b	1018.1	+1	70	-5	-	o	m	-	84	68							
	Hernösand ...	1014.9	57	W	2	b	1013.5	*	50	-5	NE	2	b	*	*	*							
	Stockholm ...	1014.7	63	NNW	2	bc	1016.3	*	55	-4	NE	2	b	*	*	*							
	Wisby ...	1013.7	61	E	2	b	1015.3	*	57	-2	NE	2	c	*	*	*							

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

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TEMPERATURE, WEATHER AND  
SEA DISTURBANCE

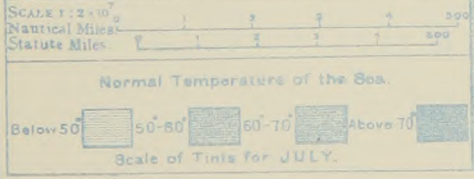


FORECAST DISTRICTS.

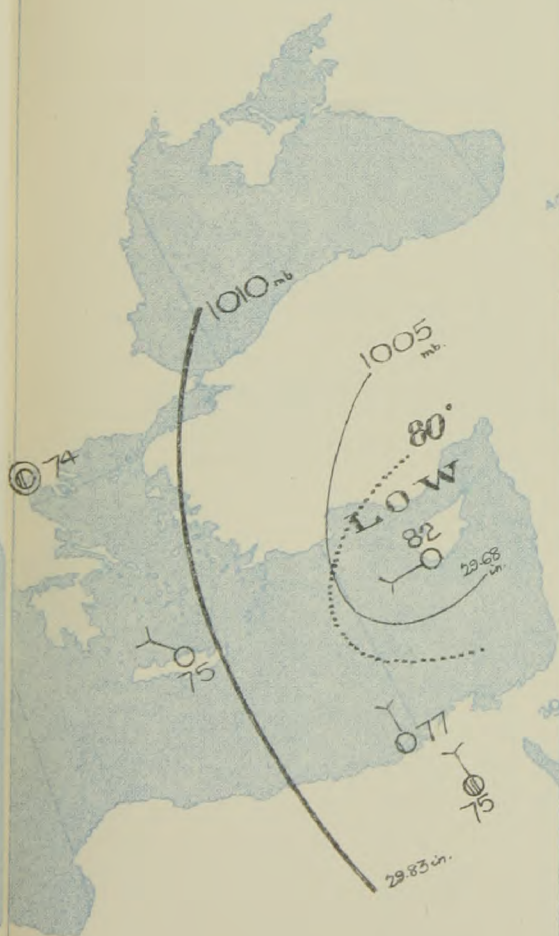
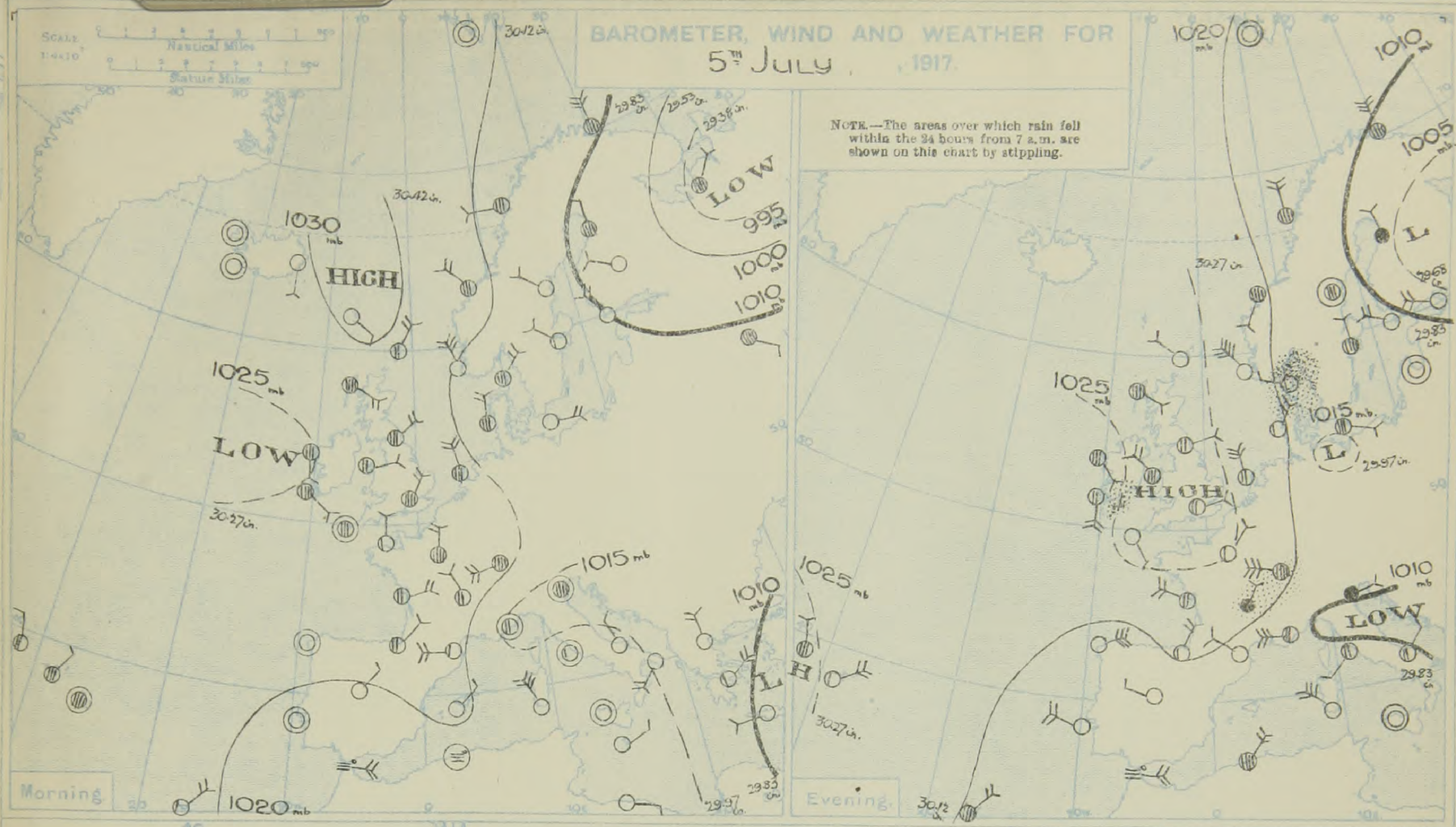


EXPLANATION.

- BAROMETER.**—Isobars are drawn for intervals of five millibars.
- WIND.**—Direction is shown by arrows flying with the wind.  
Force, on the scale 0-12, is indicated by the number of feathers. Calm
- TEMPERATURE.**—Given in degrees Fahrenheit.  
Isotherms shown by dotted lines.
- WEATHER.**—Shown by the following symbols:—  
○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded.  
⊖ sky 3/4 clouded. ⊖ overcast sky. ⊖ rain falling.  
\* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.  
T, thunderstorm.
- SEA DISTURBANCE.**—Rough ~~~~~ High ~~~~~







### General Summary of Present Conditions

A belt of high pressure now extends from NE. France to beyond Farøe. In the north the pressure gave way somewhat yesterday, while in the south-east there was a tendency for it to rise, so that the gradient for NE. winds has disappeared and light variable breezes are general. Towards the west the gradual advance of a depression, probably some distance out in the Atlantic, is giving rise to SE. breezes and less settled conditions, but in the east fair weather continues. In the north-east portion of the North Sea a fresh N. breeze marks the rear of a disturbance that has persisted over the Baltic since Wednesday evening.

### The Outlook

Although the depression out in the Atlantic is at present advancing very slowly, it is probable that it will eventually modify the character of the weather and bring cloudier and possibly rainy conditions with S. breezes.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 187. Friday, 6 July.

STATIONS.	EVENING OF 5 <sup>th</sup>					MORNING OF 6 <sup>th</sup>										24 HOURS ENDED 7 A.M.							Sun- shining for 5 <sup>th</sup> Hours.
	Barom. at M.S.L.	TEMP.	WIND.		Weather.	Barom. at M.S.L.	Change in 24 hours.	TEMP.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall, Milli- metres.	TEMP.		WEATHER.					
			Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	1027.8	54	NW	2	b	1028.6	-1	50	0	NNW	2	NW	c	2	-	58	46	bc	bc.b	bc.c		
	Doerness (Orkney)	1028.4	52	E	1	b	1028.4	-	54	+3	SSW	1	SW	b	0	-	55	44	bc	bc.b	b.w	15.5	
	Stornoway	1027.1	56	ESE	2	oz	1028.2	0	56	+1	E	1	-	0	0	-	60	52	cz	c.o	0	0.5	
	Castlebay (Barra Isd.)																						
	Glasgow	1027.2	56	ENE	4	o	1028.1	-1	52	+3	NE	3	W	om	1	-	62	47	c.bc.bz	bc.c.oz	om.c.m	7.9	
	Eskdalemuir	1026.9	58	NE	3	c	1028.2	-1	53	-	0	0	NW	oz	1	-	64	46	bc.c.	c	c.o.oz	8.8	
	Malm Head	1024.9	63	SE	2	cm	1028.4	-2	57	+2	SE	3	SE	cm	1	-	63	55	bc.m	cm	cm	4.2	
	Blacksod Point	1023.7	60	SSE	2	cgp	1028.6	-1	58	0	ESE	2	SE	cz	1	0.4	65	57	cz	cg	bc.cz		
	Valencia (Cahirciveen)	1023.6	65	S	4	bc	1028.0	-1	59	+1	SSE	3	S	oz	3	0.2	67	57	ad.cz	o.c.bc	bc.c.oz	5.2	
	Roche's Point	1026.8	63	S	2	c	1028.1	-	60	+2	SE	2	-	om	2	0.1	67	58	oz	oz.c	c.omw		
	Birr Castle	1024.9	67	SE	1	o	1028.9	-	55	-5	E	1	-	r	1	2	68	53	oz	om	or	0.0	
	Donaghadee	1025.9	54	SE	2	cm	1028.5	-1	53	+3	SE	1	-	cm	1	0.2	57	49	cm	cm	ogmp		
	Liverpool (Bidston)	1025.9	64	E	1	b	1028.6	-1	53	-1	ESE	3	SE	0	3	-	68	51	bm	bc.m	0	9.3	
	Holyhead	1026.2	58	NW	3	cm	1028.4	-1	58	+2	SSW	3	-	c	2	Trace	64	54	bc	a.o.c	c.op.c	2.7	
	Pembroke (St. Ann's)	1026.8	59	SSW	1	bc	1028.7	+1	56	+2	ESE	2	-	bz	1	0.2	61	52	bc	bc	bzfw	7.8	
	Scilly (St. Mary's)	1026.4	61	SSE	1	bm	1028.3	-1	59	-1	ESE	3	SE	cm	4	-	67	54	bc.m	bc.m	bm.bm	11.4	
	Falmouth	1026.4	60	SSE	2	o	1028.6	-2	57	-4	E	3	-	b	3	-	64	54	b	b.bc.o	o.bc.b	10.5	
	Jersey (St. Aubin)	1025.3	66	E	2	b	1028.1	-	58	-1	E	5	-	b	3	-	67	53	bc.og	og.c.b	b	8.7	
	Portland Bill	1026.3	56	SE	2	b	1028.1	-1	56	0	ESE	4	-	b	3	-	66	52	bc	bc.b	b		
	Dungeness	1026.0	58	SE	2	b	1028.3	-2	57	0	NE	3	NE	bc	2	-	62	55	bc	bc	bc		
	Dover	1028.6	58	NE	2	b	1028.5	0	58	+4	N	2	N	c	2	-	58	48	o.bc	b	bc.b	4.9	
Wick	1028.5	61	ENE	2	bc	1028.1	-1	53	+3	SSE	1	-	b	2	-	53	47	o.c	c.bc	b			
Nairn	1027.5	53	NE	3	cg	1028.8	-	54	+4	-	0	-	c	0	-	57	49	bcq	bcq	cg	7.6		
Aberdeen	1026.7	55	ESE	1	bc	1028.3	-1	55	+3	SSE	2	-	b	3	-	59	46	o.bc	bc.b	bc.c.b	6.2		
Leith	1027.7	56	E	2	bc	1028.6	-1	56	+5	NE	1	NE	bc	1	-	59	50	o.c.bc.b	b	bc			
Tynemouth	1028.8	56	ENE	2	bc	1028.9	-1	53	0	SSE	2	-	om	4	-	58	49	cg	bc	om			
Spurn Head	1027.4	57	NE	4	bc	1027.3	0	54	0	ENE	2	-	c	4	-	60	50	c	bc	bc	2.2		
Yarmouth (Gorleston)	1026.9	58	NNE	5	c	1028.2	0	56	+1	ENE	2	-	bc	3	-	63	49	bc	bc.c	c	3.7		
Clacton-on-Sea	1026.6	59	ESE	2	bc	1028.9	0	56	+2	N	2	-	bc	1	-	65	48	o.c.bc	bc	bc	7.6		
Nottingham	1026.6	64	E	2	bc	1028.4	-	51	-2	E	1	W	c	1	-	68	46	o.c.b	b.bc	c	6.2		
Benson (Oxon.)	1025.9	67	-	0	b	1028.1	0	52	0	-	0	-	0	1	0.1	67	45	c	c	omw			
Sth Farnborough	1025.5	65	NE	1	bc	1028.4	0	54	+1	SE	1	-	c	1	-	66	45	o.c.bc	bc.b.bc	bc.b.m	8.3		
London (Kew Obs.)	1026.1	65	ENE	2	bc	1028.2	0	56	+3	SE	1	-	0	1	-	67	49	o.bc.c	b.bc.b	bc.om	8.1		
NORTHERN EUROPE.	Spitsbergen	1019.8	43	-	0	b	1018.6	0	39	0	-	0	-	b	1	-	43	34					
	Vardö	1009.3	39	N	5	o	1004.7	0	39	-4	NW	6	-	0	5	-	43	39					
	Bodö	1015.8	45	N	4	o	1013.5	-1	46	0	N	2	-	0	2	-	48	37					
	Christiansund	1021.3	46	SW	2	o	1020.7	0	48	+2	W	2	-	c	3	-	48	43					
	Skudesnaes	1022.3	50	NNW	7	b	1021.6	0	52	0	NNW	5	-	b	2	-	55	48					
	Færder (Xianla Fjord)	1017.0	59	W	2	c	1018.6	+2	52	-2	N	4	-	c	1	7	59	45					
	The Scaw (Skagen)	1018.6	63	WNW	1	b	1017.1	+1	57	+2	N	2	-	c	1	1	63	52					
	Blaavands Huk	1020.3	61	NNE	3	b	1020.6	-	55	-6	N	4	-	bc	1	-	66	52					
	Copenhagen	1015.8	64	NNE	3	bc	1016.0	-1	63	-1	WNW	3	-	b	1	-	70	54					
	Bornholm	1015.3	57	ESE	2	c	1016.0	-1	63	+2	SW	2	-	b	0	-	63	54					
FRANCE, &c.	The Helder	1023.8	59	NNW	5	bc	1024.4	0	57	0	N	3	-	bc	2	-	59	55					
	C. Gris Nez	1026.0	56	NE	4	b	1025.5	-1	57	+3	NE	2	-	bc	0	-	63	50					
	La Hève	1025.5	59	NE	3	b	1025.1	-	50	-5	ENE	3	-	m	2	-	63	46					
	Brest (St. Mathieu)	1025.5	64	N	2	o	1021.7	-2	63	-5	E	4	-	b	2	-	66	54					
	Rochefort (Ile d'Aix)	1022.9	68	NW	4	bc	1019.5	-3	59	-1	E	5	-	b	1	-	72	57					
	Biarritz	1020.8	70	NNE	3	b	1015.8	-2	66	+7	E	2	-	b	2	-	73	57					
	Paris	1025.2	61	NNE	3	b	1024.2	-1	55	-4	ENE	2	-	b	1	-	68	46					
	Belfort	1022.4	60	WNW	6	o	1022.7	-	58	-1	E	4	-	m	3	-	68	58					
	Lyons	1021.5	63	NNE	2	r	1020.6	-	58	-3	NNW	1	-	b	1	-	73	63					
	Nice	1010.9	69	W	5	bc	1013.7	+2	72	+2	-	0	-	b	1	-	73	63					
Perpignan	1019.1	79	NW	2	b	1017.0	-2	72	-1	W	1	-	b	1	-	84	61						
Sanguinaire	1012.8	75	NW	4	m	1010.6	-	75	+4	N	5	-	b	2	-	82	67						
SOUTHERN STATIONS.	Corunna	1017.6	73	NE	6	b	1012.4	-1	73	+7	-	0	-	b	1	-	75	61					
	Madrid	1013.1	90	WNW	1	b	1014.0	0	73	0	E	1	-	b	1	-	91	66					
	Lisbon	1013.9	84	WNW	4	b	1014.6	+1	84	-2	WNW	2	-	b	2	-	91	61					
	Azores (Horta)	1023.4	-	NE	4	b	1023.0	-1	63	0	WSW	4	-	bc	2	-	73	61					
	Madeira	1020.0	70	NE	3	o	1019.9	-1	66	-3	N	2	-	o	2	-	70	66					
	Gibraltar	1016.6	71	E	4	m	1015.9	-	71	-1	E	4	-	c	3	-	80	69					
	Malta						1011.4	0	79	0	NW	3	-	b	1	-	82	73					
	Limassol						1004.7	+3	82	+1	W	2	-	b	0	-	90	64					
	Alexandria	1006.9	75	NNW	4	bc	1008.2	+1	77	-2	N	2	-	b	2	-	86	73					
	Cairo (Helwan)	1006.3	82	N	2	b	1007.5	+2	75	+2	N	2	-	c	1	-	93	72					
LONDON OBSERVATIONS.	HUMIDITY.		Sun- shining for 5 <sup>th</sup> Hours.	24 HOURS ENDED 6 h. 5 <sup>th</sup>							SOUTH KENSINGTON.												
	15 h.	9 h.		TEMPERATURE.			Rain- fall.	WEATHER.		Vertical Component of Solar Radiation per square Centimetre during 5 <sup>th</sup>													
	5 <sup>th</sup>	6 <sup>th</sup>	Max.	Min.	Min. on Grass.	mm.	Morn- ing.	After- noon.	Night.	Total.	Average Rate.	Max. Rate.											
	GREENWICH (Royal Observatory)	52	70	7.7	69	46	27	-	o.c	c.o	o.c	1742	29.4	83									
	CITY (Bunhill Row)	*	*	7.1	*	*	*	*	*	*	*												
	WESTMINSTER (St. James's Park)	52	69	7.8	67	49	43	-	b	bc	o.c												
	CAMDEN SQ. (British Rainfall)	53	62	6.6	70	50	45	-	o.c	bc	*												
	HAMPSTEAD (Reservoir)	*	66	7.6	64	47	33	-	o.bc	bc	c												
	S. KENSINGTON (Museum Grounds)	*	68	7.8	70	52	50	Trace	o.bc	bc	bc.c												
	The thermometers at Greenwich and Camden Square are in Glaisher screens.																						

GALES.  
Duration and Extreme Force  
in British Islands.

Note

Solar Halo  
observed at  
Holyhead  
in afternoon  
and  
Clacton-on-Sea  
17h to 20h  
yesterday.

\* Information for these columns not usually received.

+ Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Friday, 6<sup>th</sup> JULY, 1917.

The thermometer just reached 70° in the Midlands. There was no sunshine at some stations in the North-West, but generally the records were good. Some light showers fell in Scotland, and 5 mm. of rain fell at Birr Castle in the morning. There were coast fogs locally in the West.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Friday, 6<sup>th</sup> JULY, UP TO 17 h.

STATIONS.	Sun- shine for 5 h.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 6 m.	STATIONS.	Sun- shine for 5 h.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 6 m.
		Night, 17h-9h.	Day, 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night, 17h-9h.	Day, 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	°F.	°F.						Mm.	Mm.	°F.	°F.			
Scotland.									England, E.								
Oban ...	*	-	-	62	48	0	0	0.0	Lowestoft ...	*	-	-	64	45	bc	bcv	12.0
Banff ...	6.4	-	-	65	41	b	b	10.8	Felixstowe ...	8.2	-	-	64	45	bc	bcv	12.0
Montrose ...	4.1	1	-	57	51	0	b	0.5	Walton-on-Naze ...	*	-	-	65	49	bc-b	b	8.2
St. Andrews ...	8.8	-	-	62	48	b	bm	6.3	Southend-on-Sea ...	7.1	-	-	65	49	bc-b	b	8.2
Carnoustie ...	*	*	*	61	53	cf	b	0.0									
Eng. N.E.									England, S.E.								
Harrogate ...	5.6	-	-	63	47	0	0. c. 0	0.3	Margate ...	6.4	-	-	60	54	c. bc. b	b	8.7
Skegness ...	8.2	-	-	60	47	0. bc	b	4.3	Hastings ...	10.9	-	-	64	49	0. bc. b	b	8.6
									Eastbourne ...	7.3	-	-	62	48	bc. b	b	8.2
									Seaford ...	*	-	-	64	46	c. b	b	7.6
Eng. N.W.									Brighton ...	6.6	-	-	64	46	c. b	b	7.6
Morecambe ...	12.5	-	-	68	53	-	-	1.3	Worthing ...	5.6	-	-	63	47	0. bc. b	b	8.2
Southport ...	11.5	-	-	72	52	0	0. c. bc. b	4.0	Littlehampton ...	*	-	-	62	55	-	-	7.4
									Bognor ...	*	-	-	64	44	b. bc	b	10.0
									Bournemouth ...	5.3	-	-	64	44	b. bc	b	10.0
Midlands.																	
Leamington Spa ...	*	-	-	70	48	b	b	11.2	Weymouth ...	*	-	-	64	49	bc. b	b	9.2
Malvern ...	12.0	-	-	70	47	bc m	bc. b	11.8	Torquay ...	13.0	-	-	60	51	b	b	10.7
Ross-on-Wye ...	10.9	-	-	70	47	bc m	bc. b	11.8	Paignton ...	*	-	-	64	53	c. bc	bc	9.5
									Penzance ...	9.0	-	-	64	53	c. bc	bc	9.5
Wales.									Newquay ...	10.4	-	-	62	47	b	b	10.6
Rhyl ...	?	-	-	66	49	c. b	c. b	6.0	Bude ...	*	-	-	65	55	b	b	8.9
Colwyn Bay ...	*	*	*	66	56	bc	bc	7.5	Ilfracombe ...	11.2	-	-	65	55	b	b	8.9
Llandudno ...	*	*	*	66	55	b	bm	7.0	Weston-s-Mare ...	10.7	-	-	70	49	b. bc. b	b	11.0
Aberystwyth ...	*	*	*	66	55	0. c. b	b. bc	8.0									

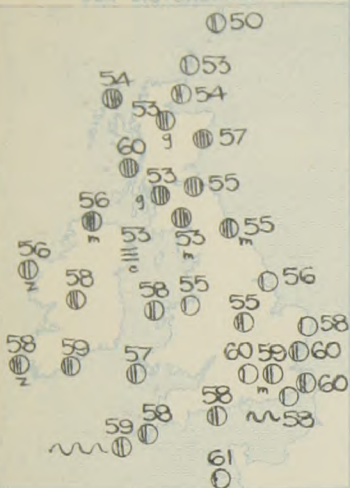
REPORTS FROM FOREIGN STATIONS FOR Friday, 6<sup>th</sup> JULY.

STATIONS.		EVENING OF 5th					MORNING OF 6th										MORNING OF 6th						
		BAROM. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	BAROMETER. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.
				Dirac.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.	
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...							°F.	°F.						°F.	°F.							
	Gorki ...	1007.8	59	N	2	b	1002.7	+4	52	-3	W	3	0	15	50	46	Isafjord ...	1028.6	59	0	-	0	b
	Velioki Luki ...	1009.5	55	NNW	2	b	1013.2	*	54	-	N	1	b	25	*	46	Reykjavik ...	1024.6	52	-3	-	0	f
	Hangö ...	1011.9	50	WNW	3	b	1013.7	*	54	-5	WNW	2	b	-	*	48	Vestmanna ...						
	Riga ...	1014.3	55	-	0	b	1011.7	+1	50	-2	W	4	0	-	*	43	Seydisfjord ...	1025.3	52	-5	-	0	b
	Petrograd ...	1006.9	61	WNW	4	b	1014.6	0	59	+2	SSW	1	b	-	*	46	Thorsbavn ...	1025.7	50	+2	-	0	b
	Moscow ...	1002.1	70	SW	1	c	1009.5	+3	54	-9	W	2	bc	-	68	50							
	Kiev ...	1011.3	57	WNW	1	b	1006.3	+3	59	-5	NNW	4	0	-	*	57							
	Kharkov ...						1013.6	+3	57	-	NW	2	b	-	*	52							
	Kishinev ...														*								
	Elisabetgrad ...														*								
	Nicolaiev ...														*								
	Odessa ...														*								
Tarkhankout...														*									
Soukhoun ...														*									
MEDITERRANEAN.	Venice ...	1012.6	63	ENE	2	r	1013.3	*	70	-1	NNE	1	b	23	77	61	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Pesaro ...						1012.1	*	68	-7	W	2	c	2	81	63							
	Rome ...	1010.1	73	SW	1	bc	1008.3	*	70	-2	NE	1	bc	3	86	66	7th and 8th JULY, 1917.						
	Viesti ...	1010.6	77	NE	1	bc	1007.9	*	75	-4	W	1	0	1	82	68				Sunrise.	Noon.	Sunset.	
	Brindisi ...	1010.6	77	-	0	bc	1008.6	*	73	-2	SE	1	0	-	77	70				G.M.T.	G.M.T.	G.M.T.	
	Cagliari ...	1014.6	84	NW	5	b	1011.9	*	68	-2	NW	4	b	4	84	57				Yarmouth ...	3.40 3.41	11.58 11.58	8.15 8.15
	Palermo ...	1014.2	77	-	0	b	1010.9	*	81	+2	ENE	1	b	-	88	64				Greenwich ...	3.53 3.54	12.5 12.5	8.16 8.16
Tripoli ...	1014.6	77	E	1	b	1014.5	*	77	-4	-	0	b	-	81	72	Wick ...	3.19 3.20	12.17 12.17	9.14 9.13				
Algiers ...	1016.6	73	NE	4	0	1015.5	+1	70	0	NE	3	f	-	79	68	Valencia ...	4.31 4.32	12.46 12.46	9.0 8.59				
SWEDEN.	Hernösand ...	1011.7	66	-	0	c	1011.4	*	52	+2	W	2	b	*	*	*							
	Stockholm ...	1014.4	52	N	2	0	1014.3	*	54	-1	W	2	b	*	*	*							
	Wisby ...	1014.0	57	WSW	4	b	1014.7	*	55	-2	WSW	4	c	*	*	*							

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

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FORECAST DISTRICTS.



EXPLANATION.

**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**WIND.**—Direction is shown by arrows flying with the wind.

Force, on the scale 0-12, is indicated by the number of feathers. Calm.

**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

**WEATHER.**—Shown by the following symbols:—

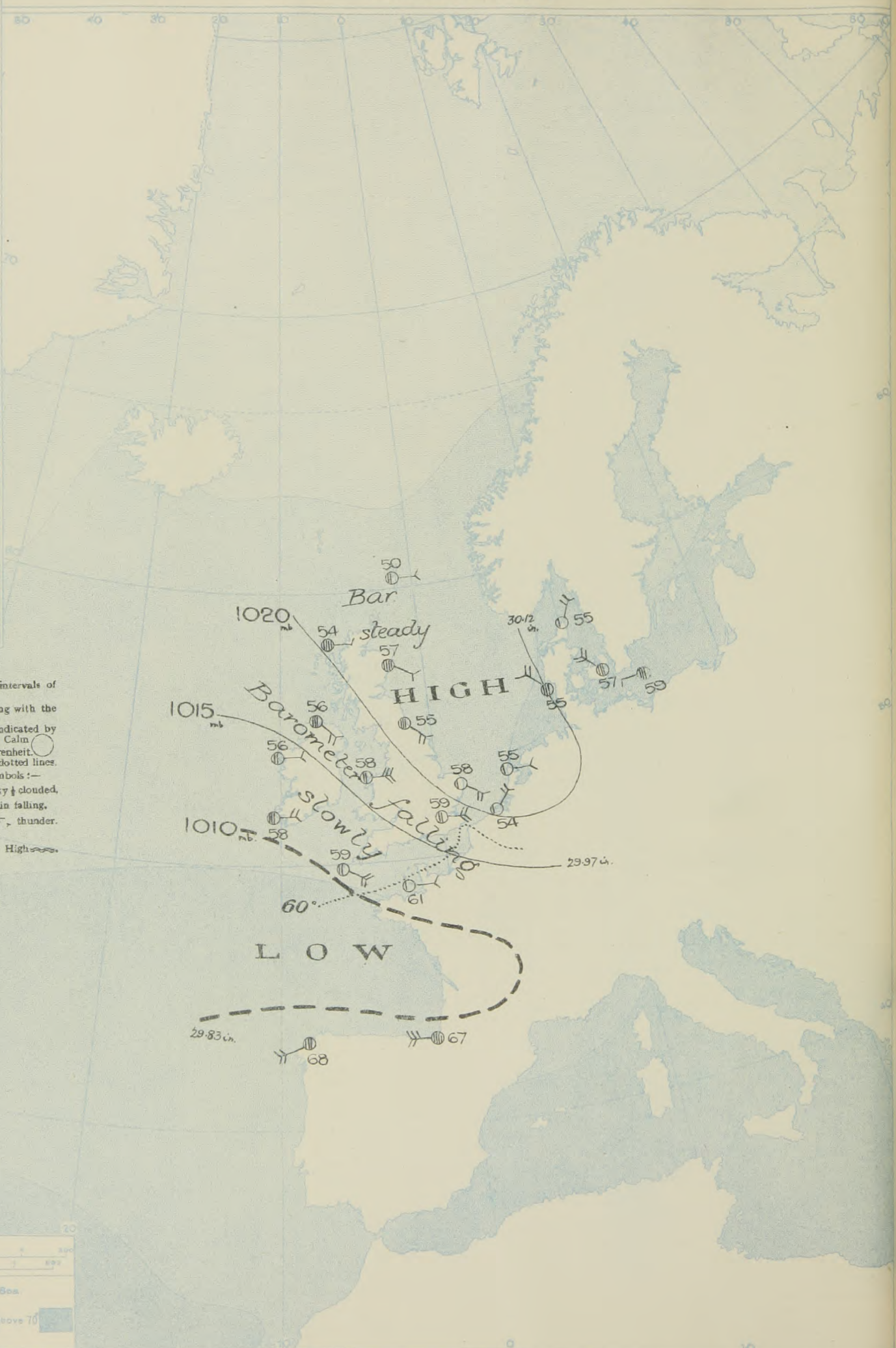
○ clear sky. ○ sky & clouded. ○ sky & clouded.

○ sky & clouded. ○ overcast sky. ● rain falling.

\* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.

Ts, thunderstorm.

**SEA DISTURBANCE.**—Rough wavy. High wavy.



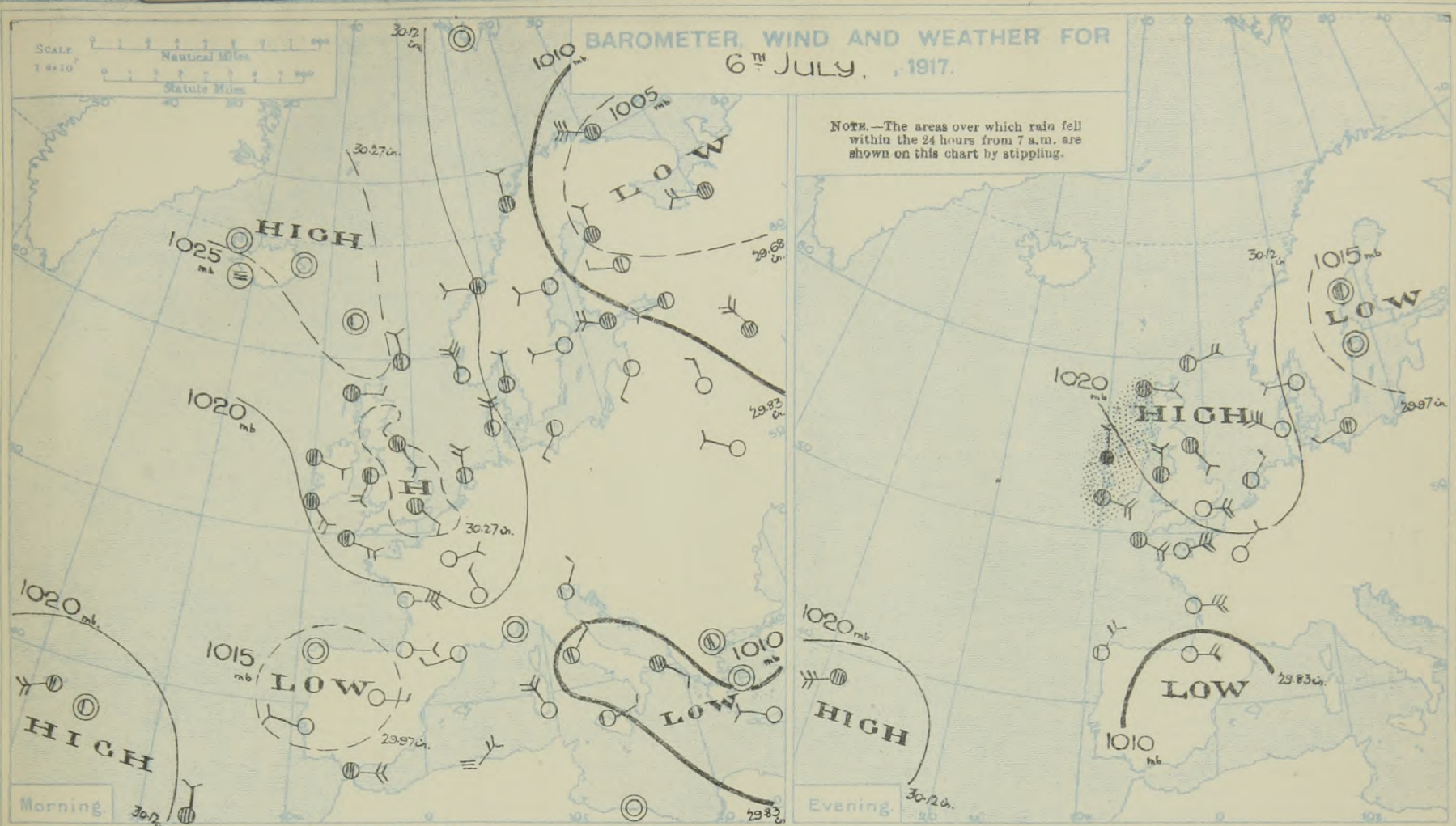
SCALE 1:250,000  
Nautical Miles  
Statute Miles

Normal Temperature of the Sea

Below 50 50-60 60-70 Above 70

Scale of Tints for JULY.





#### General Summary of Present Conditions.

An anticyclone covers the North Sea, but the readings are not very high. The absence of reports from France and Spain makes the situation rather uncertain, but there appears to be a depression off the South-West of Ireland and over the Bay of Biscay. The slow fall of the barometer over England and Ireland continues, but curiously enough the rainy tendency in the west ceased in the forenoon of yesterday, just when this fall set in, and up to this morning the weather has been fair or fine. In the English Channel the Easterly wind is rather strong for the pressure gradient, while the reverse is the case in the Irish Sea.

#### General Outlook.

With the fall of the barometer continuing it seems likely that some modification of the weather will eventually take place in the Western Districts, the type becoming less settled, but the anticyclone over the North Sea appears to be maintaining its influence over the Eastern portion of Britain. The outlook, in the absence of so many reports from the South, is however very uncertain.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No 188 (7th July)

STATIONS.	EVENING OF 6 <sup>th</sup>					MORNING OF 7 <sup>th</sup>										24 HOURS ENDED 7 A.M.						Sun- shine for 6 <sup>th</sup> Hours.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 9-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 2 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1024.3	52	ENE	3	bc	1023.8	0	50	0	E	2	—	bc	2	—	54	46	c.o	c.bc	bc	16.5
	Deerness (Orkney)	1025.7	58	ENE	3	b	1022.3	—	53	—	ESE	4	W	b	0	—	58	46	b	c	c	0.7
	Stornoway	1022.4	58	E	2	o	1020.0	—	54	—	E	1	—	o	0	1	62	53	cz	c.o	op.o	0.0
	Castletown (Barra Isd.)	1021.6	62	NE	1	ouZ	1020.0	—	53	—	ENE	4	—	og	—	0.1	63	51	ouZ	ou.c.oz	omp.og	0.0
	Glasgow	1020.8	65	—	0	oz	1019.7	—	53	0	N	2	—	om	—	0.4	67	51	oz.cZ	cz	oz.op	2.8
	Eska Dalemuir	1021.0	58	SW	1	om	1016.8	—	53	—	SE	3	S	cm	3	0.2	62	54	omg	om	cm	0.2
	Malin Head	1019.3	58	N	1	omd	1013.7	—	56	—	E	2	SE	bcz	2	3	64	53	c	omd	om.bcz	—
	Blacksod Point	1016.8	63	ESE	4	CZ	1011.3	—	58	—	E	3	SE	CZ	3	2	66	55	or.cZ	o.cZ	c.o.cZ	1.5
	Valencia (Cahirveen)	1019.0	60	SE	3	o	1012.7	—	59	—	E	4	E	C	4	Trace	63	54	ogm.cZ	c.o	o.c	—
	Roche's Point	1018.8	69	E	1	m	1014.3	—	58	—	E	1	E	C	5	68	48	or.cd	az	c	1.3	
	Birr Castle	1020.4	54	SE	2	f	1017.0	—	53	0	ESE	3	—	cf	1	0.1	61	50	of	af.be	of.cf	—
	Donaghadee	1020.2	68	E	3	b	1017.5	—	55	—	E	3	E	b	2	—	70	63	c.o	bm	c.be	5.9
	Liverpool (Bidston)	1020.1	63	N	3	bm	1016.3	—	58	0	E	5	—	bc	3	—	65	54	c.bcf	bc.b	bc.b.be	7.3
	Holyhead	1019.9	60	SSE	2	c	1014.2	—	57	—	E	4	—	bc	3	—	61	54	bzf.be	bc.c	c.o.c	10.0
	Pembroke (St. Ann's)	1018.7	57	ESE	4	cm	1010.9	—	59	0	ESE	4	SE	bc	5	—	63	54	cm	cm	cm.be	9.7
	Scilly (St. Mary's)	1018.2	57	E	5	bgz	1011.4	—	58	—	E	4	—	b	2	—	61	54	b.be	bc.bq	b.be	11.4
	Falmouth	1017.8	65	ENE	5	b	1012.9	—	61	—	E	2	—	b	2	—	68	57	b	b	bc.c.b	14.0
	Jersey (St. Aubin)	1019.4	58	E	5	b	1014.0	—	58	—	E	5	E	bc	4	—	58	54	b	b	b.be	—
	Portland Bill	1020.7	58	NE	5	b	1016.7	—	58	—	NE	5	NE	b	5	—	62	55	bc	bc.b	bc	—
	Dungeness	1021.5	58	NNE	4	b	1017.4	—	60	—	ENE	3	NE	bc	4	—	60	53	c.be	b	bc	12.8
	Dover	1023.6	53	E	2	bc	1022.0	—	54	—	ESE	2	NW	bc	2	—	55	49	b	b.be	bc	—
	Wick	1022.3	57	NE	1	cg	1021.1	—	53	—	—	0	—	cg	1	—	61	51	b	bc.c	cgz	9.0
Nairn	1023.2	56	SSE	3	bc	1022.3	0	57	—	SE	2	—	o	2	—	62	50	b	b.be	bc.e.o	12.6	
Aberdeen	1021.0	56	NE	2	bc	1019.6	0	55	—	ENE	1	—	o	2	Trace	63	54	bc.c.be	bc.b.be	cz.op.o	—	
Leith	1023.1	56	SE	2	o	1021.3	—	55	—	SE	2	—	cm	3	—	58	50	c	c	cm	—	
Tynemouth	1024.1	56	ESE	2	bc	1021.3	—	56	—	ESE	2	—	b	3	—	60	53	bc	bc	bc	1.8	
Spurn Head	1023.0	57	ESE	3	bc	1020.3	—	58	—	SE	3	—	b	4	—	62	55	bc	bc	bc	6.8	
Yarmouth (Gorleston)	1022.6	59	ENE	3	bc	1018.6	—	60	—	ENE	3	N	bc	3	—	65	55	bc	bc	bc	13.3	
Clacton-on-Sea	1021.4	67	SE	2	b	1019.3	—	55	—	ESE	2	E	bc	—	—	70	47	c.b	b	b	8.6	
Nottingham	1021.0	66	SE	3	b	1016.1	—	60	—	ENE	3	—	b	—	—	69	49	bz	bz	b	—	
Benson (Oxon.)	1020.0	67	E	3	b	1016.1	—	57	—	ENE	3	SW	cmw	—	—	70	48	c.b	b	bc.w.c	11.2	
Sth Farnborough	1021.2	66	E	4	b	1017.1	—	59	—	E	4	E	bcw	—	—	69	52	om.c.c.be	bz.b	b.bz.bw	10.7	
London (Kew Obsy.)	1017.1	57	WSW	1	C	1017.1	0	59	—	W	1	—	C	0	Trace	64	52	—	—	—	—	
NORTHERN EUROPE.	Spitsbergen																					
	Vardö																					
	Bodö																					
	Christiansund																					
	Skudesnaes																					
	Færder (X'ianta Fjord)																					
FRANCE, &c.	The Scaw (Skagen)	1018.9	59	W	2	b	1016.3	—	55	—	NNE	3	N	b	3	—	63	45	—	—	—	—
	Blaavands Huk	1021.6	55	NW	3	o	1020.0	—	55	—	NW	3	—	C	—	—	59	52	—	—	—	—
	Copenhagen	1018.0	61	N	3	b	1017.5	0	57	—	NW	4	—	C	—	—	64	54	—	—	—	—
	Bornholm	1017.1	57	WSW	1	C	1017.1	0	59	—	W	1	—	C	0	Trace	64	52	—	—	—	—
	The Helder	1023.8	61	NNE	2	b	1021.5	—	55	—	E	2	NW	b	1	—	63	54	—	—	—	—
	C. Gris Nez																					
SOUTHERN STATIONS.	La Hève																					
	Brest (St. Mathieu)																					
	Roche fort (Ile d'Aix)																					
	Biarritz	1008.8	82	E	3	b	1010.1	—	67	—	W	5	—	o	4	—	84	64	—	—	—	—
	Paris																					
	Belfort																					
LONDON OBSERVATIONS.	Lyons																					
	Nice																					
	Perpignan																					
	Sanguinaire																					
	Corunna	1012.2	70	NNE	3	b	1013.9	—	68	—	WSW	4	—	C	2	—	79	61	—	—	—	—
	Madrid																					
	Lisbon																					
	Azores (Horta)																					
	Madeira																					
	Gibraltar																					
SOUTH KENSINGTON.	Malta																					
	Limassol																					
	Alexandria																					
	Cairo (Helwan)																					
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 6 <sup>th</sup> Hours.	24 HOURS ENDED 9 h. 7 <sup>th</sup> July					WEATHER.			SOUTH KENSINGTON.									
		15 h.	9 h.		Max.	Min.	Temp.	Rain- fall	Grass													
GREENWICH (Royal Observatory)		46	68	11.0	69	49	40	—	bc.b	b	b	Vertical Component of Solar Radiation per square Centimetre during 6 <sup>th</sup>										
CITY (Bunhill Row)		—	—	10.2	—	—	—	—	—	—	—											
WESTMINSTER (St. James's Park)		50	—	10.1	70	53	49	—	b	b	b	Total.	Average Rate.	Max. Rate.								
CAMDEN SQ. (British Rainfall)		48	64	9.9	73	51	47	—	b	b	b	Joules.	Milliwatts.	Milliwatts.								
HAMPSTEAD (Reservoir)		—	65	11.2	67	48	40	—	—	—	—	1947	33.0	72								
S. KENSINGTON (Museum Grounds)		—	67	9.6	70	54	—	—	bc.b	b.bz	bz.bc	The thermometers at Greenwich and Camden Square are in Glaisher screens.										

GALES.  
Duration and Extreme Force  
in British Islands.

Note  
Solar Halo was  
observed at Kew  
this morning.

\* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON SATURDAY, 7<sup>TH</sup> JULY 1917.

The temperature remained below 70° for the most part. Sunshine records were again good, Deerness having over sixteen hours. Fog occurred early in the day at Donaghadee but lifted in the forenoon. Rain began at some stations along the English Channel at night.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR SATURDAY, 7<sup>TH</sup> JULY UP TO 17 H.

STATIONS.	Sun- shine for 6 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 <sup>TH</sup>	STATIONS.	Sun- shine for 6 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 <sup>TH</sup>
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.						Mm.	Mm.	° F.	° F.			
Scotland.									England, E.								
Oban ...	0.0	Trace	-	64	53	o	o	0.2	Lowestoft ...								
Banff ...	11.7	-	-	62	46	b	b	11.7	Felixstowe ...	13.8	-	-	62	55	bc	bc	10.8
Montrose ...	0.5	-	-	59	55	o	b	4.3	Walton-on-Naze ...		-	-	62	56	bc.b	b	
St. Andrews ...	*	*	*	63	54	op.c	b	2.8	Southend-on-Sea ...	10.5	-	-	66	54	oy.bc	b	4.0
Carnoustie ...	*	*	*														
England, N.E.									England, S.E.								
Harrogate ...	0.3	-	-	67	46	bc.b	b	9.7	Margate ...		-	-	63	55	b.k.c.b	b	10.0
Skegness ...									Hastings ...	8.6	-	-	69	53	bc.b	b	11.3
									Eastbourne ...	10.7	-	-	66	53			10.7
									Seaford ...								
									Brighton ...	10.3	-	-	76	55	o.bc	bc.o	10.3
Morecambe ...									Worthing ...	10.7	-	-	74	54	bc	b	10.4
Southport ...	4.0	-	-	74	50	c.b	bc	1.0	Littlehampton ...		-	-	73	52			10.0
									Bognor ...								
									Bournemouth ...	11.5	-	-	73	51	bc	bc.o	6.0
Midlands.																	
Leamington Spa ...									Weymouth ...		*	*					
Malvern ...									Torquay ...								
Ross-on-Wye ...	13.7	-	-	73	48	cm	bc	9.0	Paignton ...	12.7	-	-	65	48	bc	c	
									Penzance ...	11.2	-	-	66	55	bc	c.oy.	5.0
									Newquay ...								
Wales.									Bude ...		-	-	73	54	b.bc	c.o	5.1
Rhyl ...	*	*	*	72	55	bc	bc	11.5	Ilfracombe ...								
Colwyn Bay ...	*	*	*	75	55	o.c	bc.c	5.0	Weston-s-Mare ...		*	*					
Llandudno ...	*	*	*														
Aberystwyth ...	*	*	*														

REPORTS FROM FOREIGN STATIONS FOR SATURDAY, 7<sup>TH</sup> JULY.

STATIONS.	EVENING OF 6 <sup>TH</sup>					MORNING OF 7 <sup>TH</sup>										MORNING OF 7 <sup>TH</sup>								
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.			
			Force 0-12.			Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Force 0-12.					
RUSSIA 7 a.m. and 9 p.m. Local Time.																								
Archangel ...	1007.9	54	NNW	1	bc	1009.1	+3	55	+3	SW	2	bc	-	*	*	Isafjord ...	10235	59	0	-	0	b		
Gorki ...	1014.4	57	-	0	b	1012.3		54	0	N	1	o	6	*	52	Reykjavik	10224	55	+3	-	0	b		
Velieki Luki ...	1014.6	55	-	0	c	1010.9		55	+1	SE	2	o	1	*	52	Vestmanna								
Hangö ...	1013.0	50	WNW	3	b	1013.2	0	45	-5	ENE	2	c	-	*	41	Seydisfjord	10226	50	-2	-	0	f		
Riga ...						1014.3	+4	54	+4	NW	1	b	15	*	46	Thorshavn	10243	53	+3	-	0	o		
Petrograd ...	1012.0	54	WSW	3	bc	1012.6	-3	54	0	SW	2	b	2	59	36									
Moscow ...	1009.5	57	NW	3	b	1015.5	+5	57	-2	-	0	b	-	*	45									
Kiev ...	1014.9	63	SE	2	b	1014.0	-3	63	+6	S	2	c	-	*	55									
Kharkov ...	1014.7	59	NNE	2	b	1016.4	+2	59		-	0	b	-	*	48									
Kishinev ...														*										
Elisabetgrad ...						1014.6	+1	54		SW	2	b	-	*	61									
Nicolaiev ...						*								*										
Odessa ...						*								*										
Tarkhankout...						*								*										
Soukhom ...						*								*										
MEDITERRANEAN.																								
Venice ...	1014.5	73	E	1	b	1017.0	*	?		ENE	1	b	-	82	63	8 <sup>TH</sup> AND 9 <sup>TH</sup> JULY 1917.								
Pesaro ...						1016.3	*	72	+4	-	0	b	-	81	63	Sunrise. Noon. Sunset.								
Rome ...	1012.2	75	-	0	b	1015.1	*	73	+3	N	1	b	-	82	66	G.M.T. G.M.T. G.M.T.								
Viesti ...	1012.6	73	NW	2	bc	1013.1	*	77	+2	NW	2	b	-	79	70	Yarmouth ... { 3.41 11.58 8.15								
Brindisi ...	1011.9	72	NW	3	bc	1010.6	*	73	0	N	4	b	-	79	70	{ 3.42 11.58 8.14								
Cagliari ...	1013.1	84	NW	3	b	1015.0	*	70	+2	NW	4	b	-	84	59	Greenwich ... { 3.51 12.5 8.16								
Palermo ...						1014.2	*	77	-4	-	0	b	-	86	63	{ 3.55 12.5 8.15								
Tripoli ...						1015.7	*	75	-2	NW	1	b	-	81	66	Wick ... { 3.20 12.17 9.13								
Algiers ...	1013.1	91	NE	3	b	1013.0	+6	72	+2	NW	4	m	-	81	68	{ 3.21 12.17 9.12								
SWEDEN.																								
Hernösand ...						1012.3	*	52	0	-	0	b	*	*	*	Valencia ... { 4.32 12.46 8.59								
Stockholm ...						1014.3	*	52	-2	WNW	2	c	*	*	*	{ 4.33 12.46 8.59								
Wisby ...						1014.3	*	55	0	N	2	bc	*	*	*									

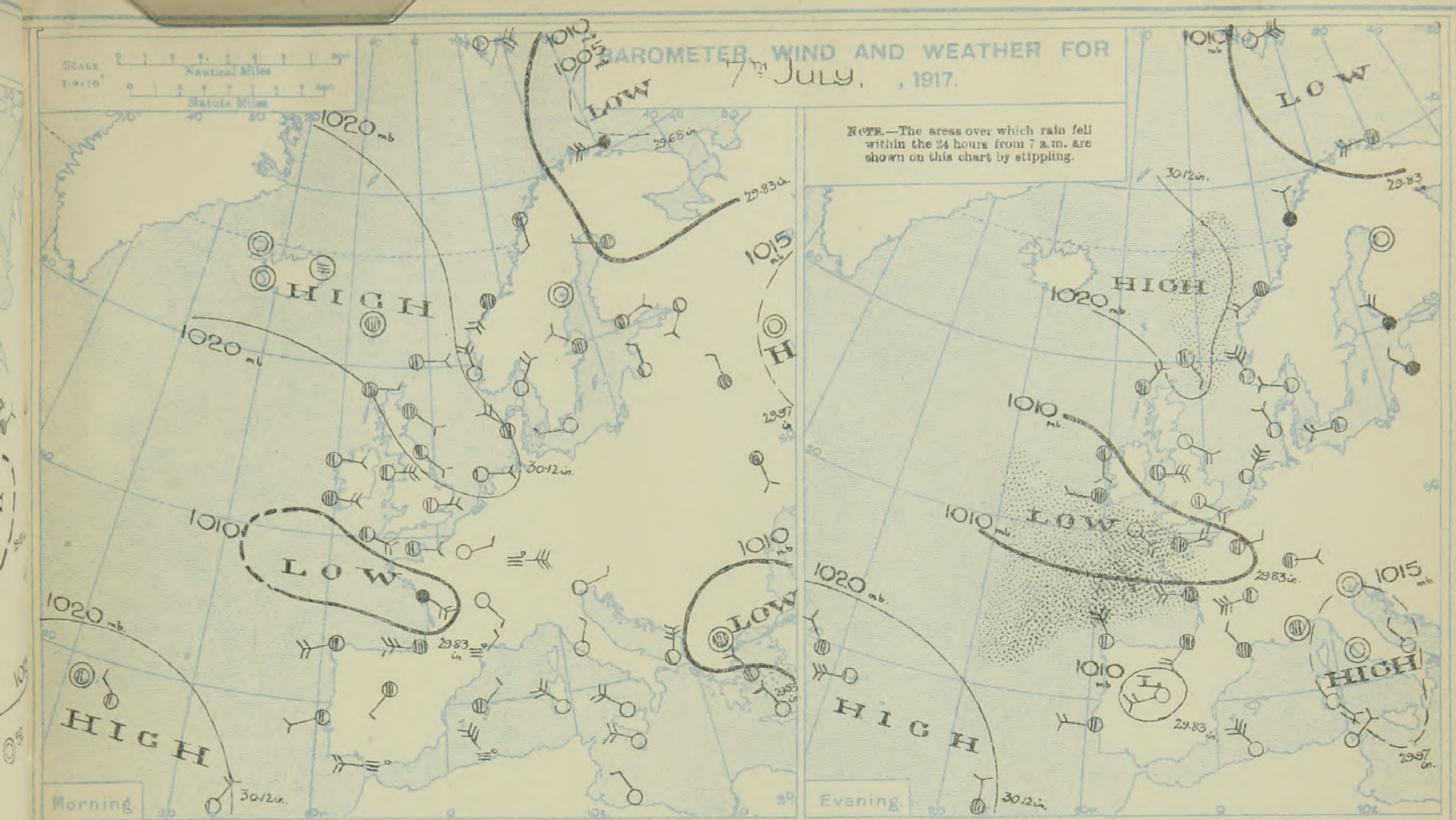
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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### Notes on the Situation this morning

The pressure distribution is at present of a type that often gives rise to a spell of very wet weather in the region near the English Channel. A belt of low pressure is seen stretching from the South of Ireland to Belgium, in which two separate centres of disturbance can be detected, one off the Southern coast of Ireland and a second near the Straits of Dover. Round each of these there is a cyclonic circulation. The northern anticyclone has retreated nearly to the Arctic Circle. W. breezes have set in over the English Channel and over France and Spain, but further north the E. current has become strong to a gale at Yarmouth and Holyhead.

### The Outlook

Considerable precipitation is probable in the south of England and Ireland, but towards the north the weather will be governed to an increasing extent by the anticyclone and will therefore be of a fair type.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 189 (8<sup>th</sup> JULY. Sunday)

STATIONS.	EVENING OF 7th					MORNING OF 8th										24 HOURS ENDED 7 A.M.						Sun- shine for Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 24 hours.	TEMP. °F.	TEMP. °F.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	1022.4	52	SE	1	bc	1019.5	-1	51	+1	ENE	1	E	c	1	-	55	46	bc	bc	bc.c	7.4	
	Deerness (Orkney)	1020.3	53	ESE	4	b	1018.3	-	51	-2	E	3	SE	o	3	-	56	46	c	c	bc.c.o	7.6	
	Stornoway	1016.9	61	NE	3	c	1015.1	-1	56	+2	E	1	-	b	0	-	64	51	o.c	c	b		
	Castlebay (Barra Is.)																						
	Glasgow	1016.2	59	ENE	5	bc	1014.7	-1	51	-2	E	3	-	c	-	-	64	46	ox.c	bc.b.bc	b.bc.c	4.6	
	Esksdalemuir	1016.5	61	E	4	bc	1014.4	-1	51	-2	NE	3	-	c	-	-	68	42	oc.c	bc	bc.b	6.5	
	Malin Head	1013.0	58	E	5	bc.mq	1011.9	0	53	-3	E	4	S	bcq	5	-	60	52	om	bc.mq	bc.mq	6.5	
	Blacksod Point	1009.7	63	S	2	c	1007.8	-1	55	-1	ESE	3	SE	cg	2	0.4	70	54	bcx	cx	og.cq		
	Valencia (Cahiriveen)	1008.0	60	W	1	ox	1004.8	0	58	0	NE	2	NE	ox	2	12	66	57	c.ox	ox	ox.ox	2.8	
	Roche's Point	1008.0	62	ENE	4	a	1004.6	*	58	-1	E	3	-	rf	3	6	64	57	cp.o	ogm	orf.d		
	Birr Castle	1009.8	69	E	1	c	1007.3	*	54	-4	E	2	-	o	-	-	71	54	cx	c	bc.c	7.0	
	Donaghadee	1013.1	61	E	4	bcx	1011.9	0	51	-2	E	4	-	cx	3	-	61	49	cf.b	om.bc.m	bc.m		
	Liverpool (Bidston)	1012.0	67	ENE	4	b	1010.1	-1	53	-2	ENE	3	E	c	3	-	72	51	b.bc	c.o.c	c	10.8	
	Holyhead	1011.2	68	E	5	bc	1007.6	0	54	-4	E	8	E	omqg	7	-	70	53	bc	bc	b.bc.c	12.8	
	Pembroke (St. Ann's)	1009.8	60	ESE	3	c	1006.3	-2	54	-3	E	2	-	or	1	3	69	54	bc.b	b.bc.c	o.op	9.3	
	Scilly (St. Mary's)	1007.4	58	SE	4	om	1006.6	0	57	-2	W	2	W	c	4	2	64	56	om	omd	cpm.c	4.8	
	Falmouth	1008.1	53	ENE	4	odm	1008.5	+1	60	-2	SW	4	-	o	3	3	63	54	b.bc.c	bcq.or	adr.c	4.6	
	Jersey (St. Aubin)	1009.0	68	ENE	3	ogp	1006.3	*	59	-2	SW	4	-	o	3	3	70	58	bc.c.og	o.cp	ogp.og	2.5	
Portland Bill	1008.6	61	E	5	o	1006.4	0	57	-1	-	0	-	orm	3	2	64	57	bc	bc.o	or			
Dungeness	1010.3	62	NE	7	b	1005.1	6	59	+1	NE	3	-	c	2	11	65	58	bc	bc	bc.c			
Dover	1011.8	62	NE	5	b	1005.8	-1	60	0	N	1	-	o	2	Trace	65	56	b	b	b.opr	14.3		
NORTHERN EUROPE.	Wick	1019.4	53	ESE	4	b	1017.5	-1	52	-2	ESE	3	-	bc	3	-	54	50	bc	b	c.b.bc		
	Nairn	1016.6	67	ENE	1	bc	1015.8	*	56	+3	-	0	-	b	0	-	68	42	bc	bc	bcw	6.1	
	Aberdeen	1019.7	56	SE	3	bc	1017.1	-1	53	-4	E	3	-	o	3	-	68	52	o.c.bc	bc.b	bc.o	7.5	
	Leith	1016.6	59	E	2	b	1014.8	-1	54	-1	E	2	-	o	2	-	60	50	c.bc.b	b.bc.b	b.bc.o		
	Tynemouth	1018.8	58	ESE	3	bc	1015.1	-1	54	-1	E	3	-	o	4	-	61	50	bc	bc	bc		
	Spurn Head	1018.5	57	E	4	bcq	1011.8	-2	55	-1	ENE	5	-	bcq	5	-	60	53	bc	bcq	bcq	7.2	
	Yarmouth (Gorleston)	1016.0	57	E	5	bc	1009.0	-1	57	-1	E	7	-	o	6	-	61	56	bc	bc	bc.o	2.4	
	Clacton-on-Sea	1013.7	62	ENE	5	bc	1007.2	-2	59	-1	NE	4	E	o	3	-	63	57	bc	bc	bc.c.og	13.3	
	Nottingham	1014.7	61	E	4	b	1010.2	*	56	+1	ENE	4	E	c	-	-	70	51	bc.b	b	b.bc	11.3	
	Benson (Oxon.)	1011.6	66	ENE	4	b	1007.0	-1	52	-8	NNE	2	-	r	-	?	72	52	bc	b	bc		
	Sth Farnborough	1011.1	65	ENE	4	c	1006.7	-2	54	-3	NNE	2	-	or	-	2	73	54	c.bc	bcx.c	c.or	9.0	
	London (Kew Obsy.)	1012.1	67	ESE	4	bc	1007.2	-1	56	-3	ENE	4	-	om	-	1	71	55	bc.m.o	bcx.bc	omr.ain	8.1	
	FRANCE, &c.	Spitsbergen	1009.5	41	ENE	6	b	1009.0	0	37	-8	ENE	7	-	o	-	-	46	34				
		Vardö	1007.8	43	W	4	o	1010.4	+2	46	+1	S	3	-	f	3	-	46	39				
		Bodö	1015.3	45	N	2	r	1014.7	0	46	+1	W	2	-	c	2	?	46	41				
		Christiansund	1019.1	46	SW	3	o	1017.3	0	48	0	NNW	2	-	o	3	2	50	46				
		Skudesnaes	1017.9	52	NNW	5	b	1015.0	-1	54	0	NNW	5	-	b	2	-	57	45				
		Færder (Xtania Fjord)	1015.9	57	SW	4	c	1020.0	-1	?	?	NNE	6	E	b	?	19	?	?				
The Scaw (Skagen)		1018.9	61	WNW	2	b	1014.7	-1	61	+6	SW	2	-	b	2	-	61	48					
Blaavands Huk		1018.0	59	NNW	2	b	1014.3	*	61	+6	SSE	1	-	b	*	-	63	55					
Copenhagen		1016.7	63	N	2	b	1015.0	-2	61	+4	E	2	-	b	*	-	64	52					
Bornholm		1016.7	59	W	3	bc	1015.8	-1	63	+4	NNE	1	-	b	0	-	57	55					
SOUTHERN STATIONS.	The Helder	1017.2	61	NE	6	b	1010.1	-4	59	+4	ENE	6	NW	bc	3	-	61	55					
	C. Gris Nez	1011.7	63	NE	4	b	1005.3	-3	59	0	E	1	-	o	0	21	66	57					
	La Hève	1009.7	72	E	3	m	1007.8	*	59	-	WSW	3	-	o	3	10	77	55					
	Brest (St. Mathieu)	1006.7	64	S	3	o	1009.6	+1	64	+1	WSW	4	-	o	3	1	73	57					
	Rochefort (Ile d'Aix)	1010.9	65	W	4	o	1012.6	+2	63	0	W	3	-	o	2	9	72	61					
	Biarritz	1013.9	65	SW	3	o	1014.0	+1	64	-4	S	2	-	o	2	-	66	61					
	Paris	1008.3	75	ENE	1	c	1007.8	+2	66	+3	SW	3	-	o	-	3	79	63					
	Belfort	1012.3	72	E	2	c	1011.8	*	64	+7	WSW	3	-	c	-	1	76	?					
	Lyons	1011.3	88	WSW	6	bc	1013.0	*	61	-2	-	0	-	r	-	7	?	59					
	Nice	1014.4	73	-	0	c	1012.6	-1	72	-	-	0	-	e	2	-	82	61					
SOUTH KENSINGTON.	Perpignan	1010.3	75	NW	1	o	1012.3	+1	70	-3	W	2	-	o	0	-	88	68					
	Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
	Corunna	1015.0	66	NW	4	bc	1018.7	+5	64	-4	WNW	2	-	c	1	1	70	61					
	Madrid	1009.0	82	WSW	3	b	1015.3	+2	68	-2	WNW	1	-	b	-	-	84	59					
	Lisbon	1017.0	72	WNW	3	bc	1019.1	+2	66	0	-	0	-	o	2	-	73	64					
	Azores (Horta)	1023.4	*	WSW	5	b	1025.7	+1	66	+2	-	0	-	b	0	-	75	66					
	Madeira	1020.3	72	N	2	o	1021.7	0	64	+1	N	3	-	b	3	-	72	63					
	Gibraltar	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
	Malta	*	*	*	*	*	1016.7	+2	77	+4	ENE	2	-	b	1	-	81	72					
	Limassol	*	*	*	*	*	1006.6	0	90	+2	W	1	-	b	1	-	93	64					
Alexandria	1010.1	75	N	3	b	1010.6	+1	77	0	N	2	N	b	1	-	82	72						
Cairo (Helwan)	1007.9	86	N	3	b	1009.7	+2	75	0	NNW	1	-	b	*	-	45	70						
LONDON OBSERVATIONS.	HUMIDITY.		Sun- shine for 7th	TEMPERATURE.			Rain- fall.	WEATHER.															
	7th	8th		Max.	Min.	Min. on Grass.		Morn- ing.	After- noon.	Night.													
GREENWICH (Royal Observatory)	50	95	11.5	71	55	52	3	o.bc	b	b.o.om													
CITY (Bunhill Row)	*	*	10.0	*	*	*	*	*	*	*													
WESTMINSTER (St. James's Park)	55	94	8.9	71	56	51	3	bc	bc	or													
CAMDEN SQ. (British Rainfall)	49	94	9.0	75	55	53	3	bc	bc	*													
HAMPSTEAD (Reservoir)	*	96	9.0	68	52	45	2	bc	bc	c.or													
S. KENSINGTON (Museum Grounds)	*	99	8.3	72	55	55	2	bc	bc	o.or													
24 HOURS ENDED 9 h. 8th												SOUTH KENSINGTON.											

**NOTE**  
SOLAR HALO of  
22° was observed at  
SOUTH FARNBOROUGH  
during Saturday, JULY 7<sup>th</sup>.

\* Information for these columns not usually received.

† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.



## 1917.

Maximum temperatures were nearly all below 65°. There was no rain in the north, but considerable falls were recorded in the south of England and Ireland, 28 mm. at Benson, 21 mm. at Yarmouth, 18 mm at London and Valencia. Nairn and Stornoway had 15 hours of bright sunshine.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR SUNDAY, 8<sup>TH</sup> JULY... UP TO 17 H.

STATIONS.		Sun- shine for 7 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 12 h. 8 <sup>th</sup>	STATIONS.		Sun- shine for 7 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 12 h. 8 <sup>th</sup>	
			Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.					Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.		
Scotland.	{ Oban ... ..	14 <sup>h</sup> 5.5	-	-	67	52	bc	bc	12.2	England, E.	{ Lowestoft ... ..	7 <sup>th</sup>	-	-	59	57	c.op	op	0.0	
	{ Banff ... ..		-	-	55	46	c.bc	bc	7.9		{ Felixstowe ... ..		-	3	59	57	c.op	op	0.0	
	{ Montrose ... ..		-	-	57	53	o	o	1.0		{ Walton-on-Naze ... ..		-	-	-	-	-	-	-	
	{ St. Andrews ... ..		-	-	-	-	-	-	-		{ Southend-on-Sea ... ..		3	12	62	56	or	or	0.0	
	{ Carnoustie ... ..		*	*	*	62	53	o	c		1.7		-	-	-	-	-	-	-	
Eng. N.E.	{ Harrogate ... ..	12.0	-	-	60	45	c	c.o	1.9	England, S.E.	{ Margate ... ..	12.0 10.7	8	-	63	57	tbr.o	o	0.0	
	{ Skegness ... ..	-	-	60	50	bc	bc.o	2.1	{ Hastings ... ..		-		-	63	58	orn	o	0.0		
Eng. N.W.	{ Morecambe ... ..	2.0	-	-	-	-	-	-	4.3		{ Eastbourne ... ..		-	-	-	-	-	-	-	
	{ Southport ... ..		-	-	68	50	o.c	c			{ Seafood ... ..		6	Trace	61	58	o	od	0.0	
	-		-	-	-	-	-	-			{ Brighton ... ..		3	Trace	61	58	od	o	0.0	
	-		-	-	-	-	-	-			{ Worthing ... ..		-	-	-	-	-	-	-	
	-		-	-	-	-	-	-			{ Littlehampton ... ..		-	-	-	-	-	-	-	
Midlands.	{ Leamington Spa ... ..	-	-	-	-	-	-	-	England, S.W.		{ Bognor ... ..		6.0	5	12	63	55	or	or	0.1
	{ Malvern ... ..	-	-	-	-	-	-	-		{ Bournemouth ... ..	-	-		-	-	-	-	-		
{ Ross-on-Wye ... ..	-	-	-	-	-	-	-	{ Weymouth ... ..		*	*	-		-	-	-	-			
Wales.	{ Rhyl ... ..	*	-	-	67	52	bc	bc		2.0	{ Torquay ... ..	5.2		-	-	-	-	-	-	
	{ Colwyn Bay ... ..		-	-	65	53	c	bc		2.5	{ Paignton ... ..			-	-	-	-	-	-	
	{ Llandudno ... ..		-	-	65	53	o	c		1.3	{ Penzance ... ..			-	-	-	-	-	-	
	{ Aberystwyth ... ..		-	-	61	54	or	or		0.3	{ Newquay ... ..			2	Trace	65	54	b	od	5.0
	-		-	-	-	-	-	-		-	{ Bude ... ..			-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-		-	{ Ilfracombe ... ..	-		-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-		-	{ Weston-s-Mare ... ..	-		-	-	-	-	-	-	

REPORTS FROM FOREIGN STATIONS FOR SUNDAY, 8<sup>TH</sup> JULY

STATIONS.		EVENING OF 7 <sup>TH</sup>					MORNING OF 8 <sup>TH</sup>										MORNING OF 8 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP. F.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.
RUSSIA 7 a.m. and 9 p.m. Local Time.		Archangel ...	1016.7	52	NW	2	b	1011.1	-5	54	-1	E	2	0	-	48	Isafjord ...	1022.6	55	-4	-	0	b
		Gorki ...	1016.7	52	NW	2	b	1019.1	*	50	-4	-	0	b	-	41	Reykjavik	1022.4	52	-3	-	0	o
		Velieki Luki ...	1013.0	48	NNW	3	r	1016.6	*	52	-3	-	0	b	7	43	Vestmanna	1022.1	43	-7	-	0	f
		Hangö ...	1013.0	48	NNW	3	r	1013.7	+3	50	+5	WNW	2	bc	7	41	Seydisfjord	1021.2	53	0	-	0	o
		Riga ...	1014.9	50	NNW	1	r	1017.1	+1	55	+1	SSW	1	b	6	45	Thorshavn	1021.2	53	0	-	0	o
		Petrograd ...	1011.9	46	NW	3	o	1011.9	0	46	-9	SSW	3	r	17	46							
		Moscow ...	1016.6	57	SE	1	c	1015.9	+3	55	-2	NNW	1	b	4	50							
		Kiev ...	1016.6	61	-	0	b	1020.0	+8	55	-8	N	2	b	7	50							
		Kharkov ...	1015.9	63	-	0	b	1016.6	+4	63	+4	-	0	o	-	55							
		Kishinev ...	1015.4	70	NW	2	b	1017.1	*	66	-	-	0	c	-	59							
		Elisabetgrad ...	1015.9	66	N	2	b	1018.4	0	63	+9	NNW	3	b	-	55							
		Nicolaiev ...	1017.2	70	WSW	2	b	1018.6	*	64	-	NE	2	b	1	63							
		Odessa ...	1016.6	70	E	2	b	1018.6	+8	68	-	ENE	2	b	-	64							
		Tarkhankout...																					
		Soukhoun																					
MEDITERRANEAN.		Venice ...	1015.0	75	-	0	b	1013.0	*	73	-	-	0	bc	-	79	70	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM					
		Pesaro ...	1015.4	74	-	0	b	1013.3	*	77	+5	-	0	bc	-	81	64	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM					
		Rome ...	1016.2	75	-	0	b	1015.3	*	77	+4	-	0	b	-	86	64	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM					
		Viesti ...	1016.3	75	NW	1	b	1015.8	*	77	0	SE	1	b	-	77	70	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM					
		Brindisi ...	1013.4	75	SSW	5	b	1013.3	*	73	0	NW	2	b	-	75	70	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM					
		Cagliari ...	1015.8	82	SE	2	b	1013.1	*	72	+2	SE	4	b	-	84	64	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM					
		Palermo ...						1015.8	*	77	0	-	0	b	-	82	63	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM					
		Tripoli ...						1014.9	*	79	+4	-	0	c	-	81	64	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM					
		Algiers ...	1013.0	75	NW	5	b	1013.5	*	75	+3	SSE	1	b	-	84	70	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM					
SWEDEN.		Hernösand ...						1013.6	*	54	+2	NNW	2	b	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM					
		Stockholm ...						1015.4	*	55	+3	WNW	2	b	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM					
		Wisby ...						1015.9	*	59	+4	NW	2	b	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM					

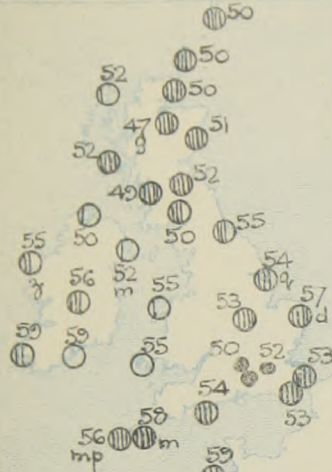
Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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# THE MORNING OF MONDAY, 9<sup>TH</sup> JULY, 1917.

TEMPERATURE, WEATHER AND  
SEA DISTURBANCE

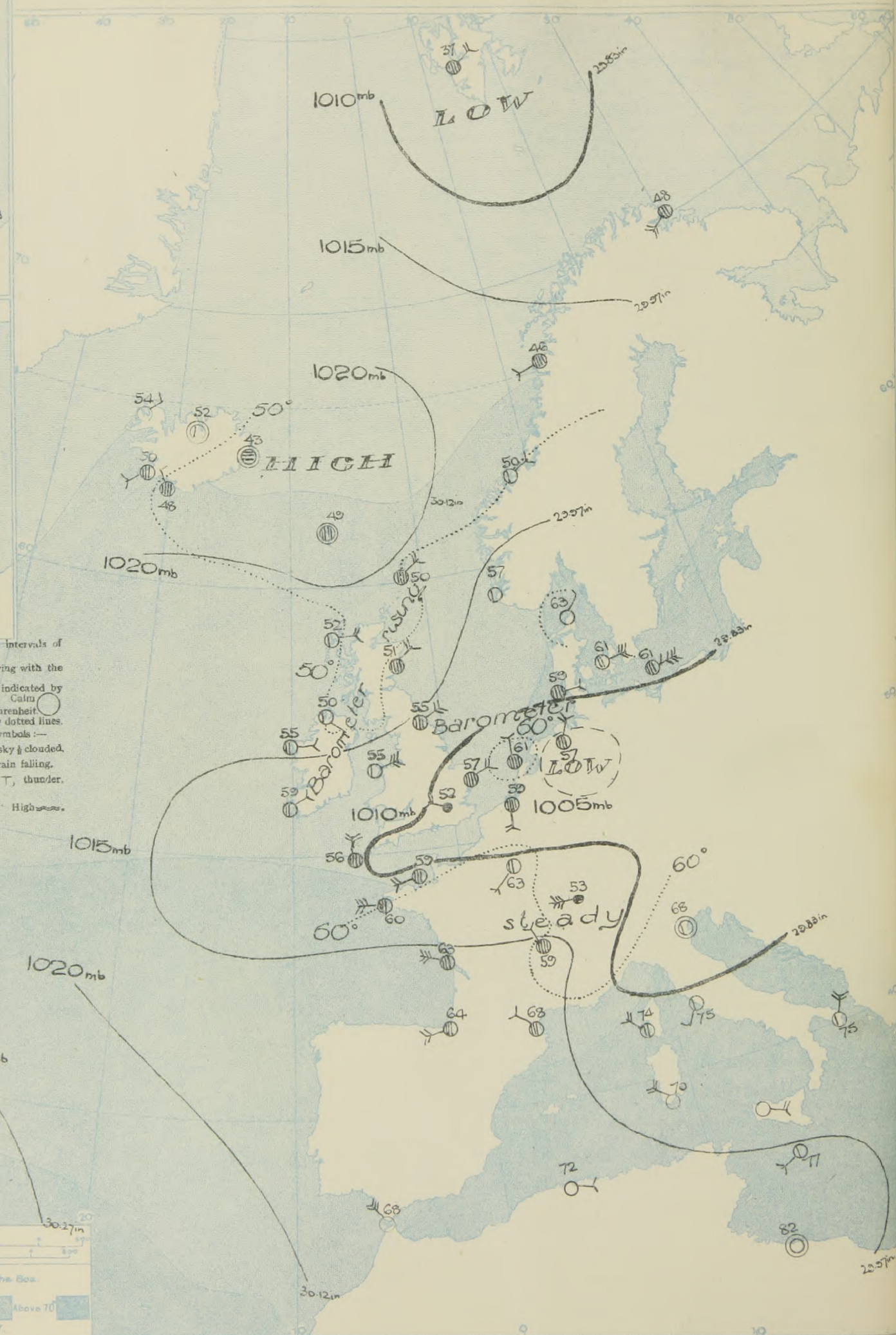
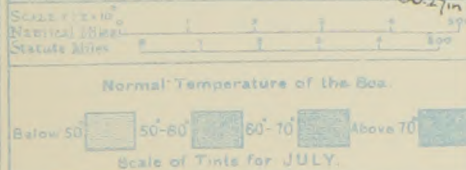


FORECAST DISTRICTS.



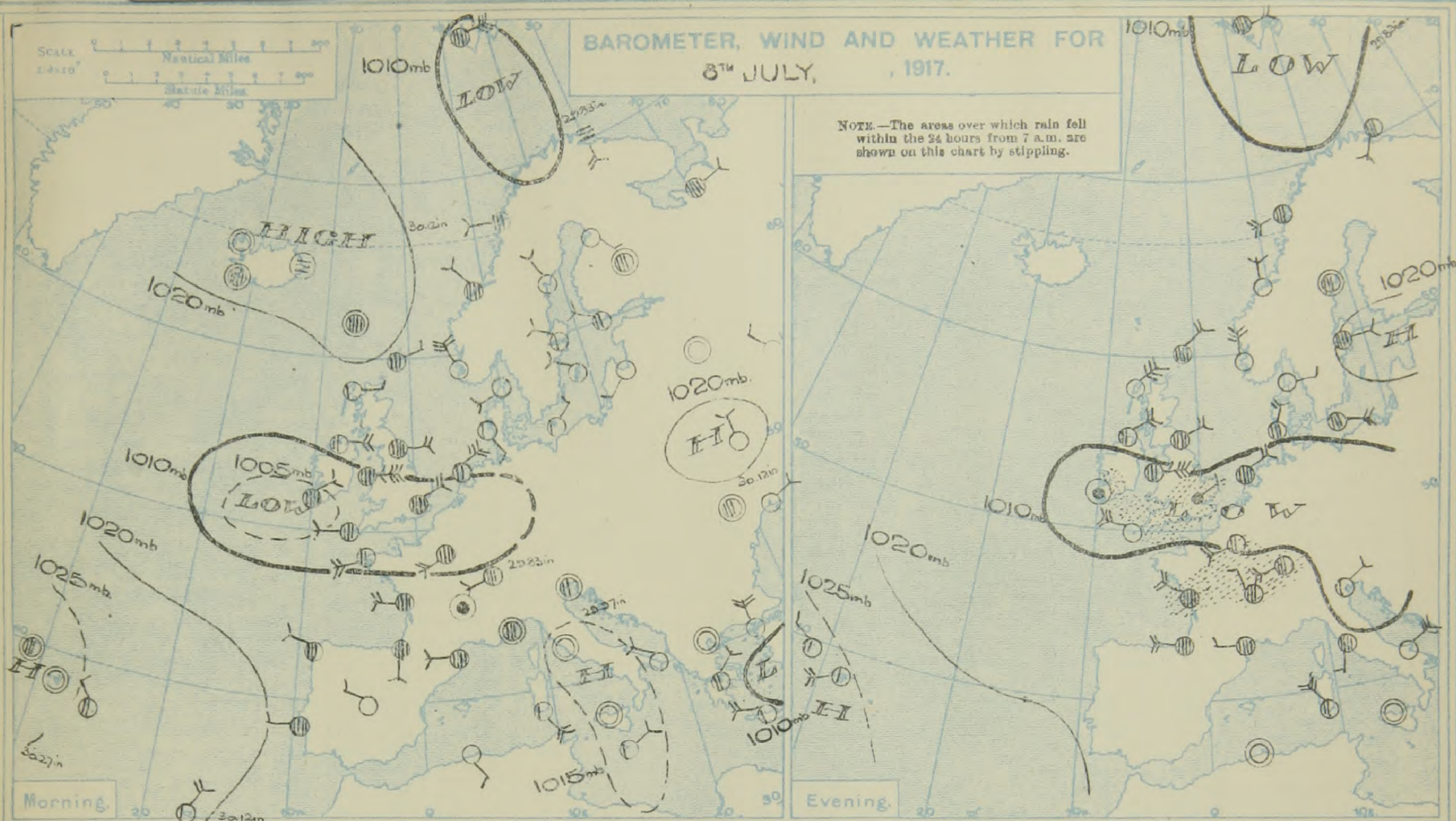
## EXPLANATION.

**BAROMETER.**—Isobars are drawn for intervals of five millibars.  
**WIND.**—Direction is shown by arrows flying with the wind.  
 Force, on the scale 0-12, is indicated by the number of feathers. Calm   
**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.  
**WEATHER.**—Shown by the following symbols:—  
 ○ clear sky. ○ sky  $\frac{1}{2}$  clouded. ○ sky  $\frac{3}{4}$  clouded.  
 ○ sky  $\frac{1}{2}$  clouded. ○ overcast sky. ○ rain falling.  
 \* snow. \* hail. ≡ fog. ≡ mist. T, thunder.  
 K, thunderstorm.  
**SEA DISTURBANCE.**—Rough High





# BAROMETER, WIND AND WEATHER FOR 8<sup>TH</sup> JULY, 1917.

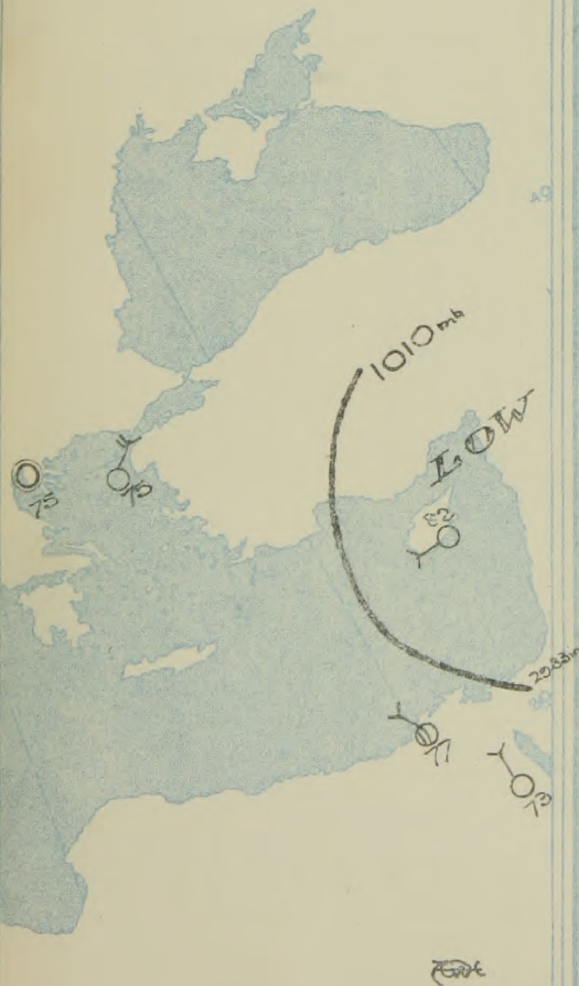


## The Present Situation

The centre of disturbance in the south to day is off Belgian coast, and shows a complete cyclonic circulation, the wind being NE. at Yarmouth, NW. at Dungeness, W. at Gris Nez, and S. at Flushing. The belt of strong E. wind blowing across the northern Midlands yesterday still shows, but the wind has fallen considerably. Rain is falling round the cyclonic centre; in the west the weather has begun to improve.

## The Outlook

The disturbance in the south-east is passing slowly away and the barometer is rising slowly nearly everywhere over the British Isles. Pressure is up to 1027 in the Azores, and has risen somewhat since yesterday at Thorshavn. A gradual improvement in the weather should take place in the south, conditions being of a quiet character. In the north fair weather is likely to continue, as the anticyclone is maintaining its position.





DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 199

STATIONS.	EVENING OF 8 <sup>th</sup>					MORNING OF 9 <sup>th</sup>										24 HOURS ENDED 7 A.M.					Sun- shine for 8 <sup>th</sup> Hours.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 2 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall Milli- metres.	TEMP.		WEATHER.			
			Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.																					
Lerwick	1018.3	51	NE	3	o	1018.7	0	50	-1	NE	3	-	o	3	-	53	47	o	o	o	*
Deerness (Orkney)	1017.9	51	ENE	3	cd	1019.3	*	50	-1	N	2	-	o	1	-	54	45	2	cd	c.o	2.4
Stornoway	1015.0	58	NE	6	bq	1018.9	+2	52	-4	E	3	-	b	3	-	61	46	b	bq	b	15.0
Castlebary (Barraisd.)																					
Glasgow	1014.4	56	ENE	4	b	1017.7	+2	49	-2	NE	2	-	o	*	-	59	47	c.bc	bc.bq	b.ag	12.2
Esksdalemuir	1013.7	53	NE	5	o	1016.2	+2	50	-1	NNE	4	-	c	*	-	59	46	c.o	c.o	o.c	7.3
Malin Head	1012.1	57	ENE	4	bcmq	1006.4	+3	50	-3	SE	1	SE	b	1	-	58	48	bcmq	bcmq	bc	12.1
Blackod Point	1009.8	61	E	2	cmq	1016.2	+3	55	0	E	2	E	bcz	2	-	65	52	cz	cg	cg.bcz	*
Valencia (Cahiriveen)	1007.5	58	-	0	r	1014.2	+2	59	+1	ENE	2	E	bc	3	18	60	54	or	c.or	c.o.bcb	0.0
ROCHE'S POINT.																					
Roche's Point	1007.1	61	ENE	3	o	1014.3	*	59	+1	ENE	2	-	b	2	0.4	63	56	d.om	ogm	omb	*
Birr Castle	1008.9	57	ESE	1	m	1016.1	*	56	+2	ENE	2	E	c	*	5	58	49	or	omz	cz	0.0
Donaghadee	1011.1	57	ENE	2	bcm	1015.5	+2	52	+1	NE	3	-	bm	2	-	61	49	bcm	bcm	bcm	*
Liverpool (Bldston)	1009.8	62	NE	4	o	1013.6	+1	54	+1	NE	1	-	b	1	-	66	50	o	bcm	c.b	2.6
Holyhead	1008.8	61	E	7	cmq	1013.6	+2	56	+1	ENE	5	E	b	4	-	64	51	o.c.ong	o.c.ong	c.o.bcb	0.2
Pembroke (St. Ann's)	1008.9	57	ESE	3	cp	1013.2	+8	55	+1	NE	2	E	b	2	0.3	58	56	c.p.c	c.p.c	c	0.2
SCILLY (St. Mary's).																					
Scilly (St. Mary's)	1008.4	50	WNW	5	cmq	1011.1	+1	56	-1	N	4	N	omp	6	4	62	54	cp	cmq	ep.omr	2.0
Falmouth	1008.5	59	WSW	5	odmq	1009.4	+4	58	-2	N	1	-	om	*	4	66	55	bc.o.cq	cq.cq	ord.om	5.6
Jersey (St. Aubin)	1011.0	63	W	4	b	1011.4	*	59	0	WSW	3	W	c	3	-	65	56	cg.c	b	bc	9.8
Portland Bill	1007.6	58	W	4	bc	1009.7	+2	54	-3	NE	3	-	c	3	2	60	54	c.o	c.bc	c.or	*
Dungeness	1006.8	59	NE	2	r	1007.3	0	53	-6	NW	3	-	o	3	2	64	53	c.o	o.c	opp.o	*
Dover	1007.0	56	-	0	r	1007.0	0	53	-7	SW	3	W	o	4	2	61	52	o	opr	opr	0.0
WICK.																					
Wick	1017.6	50	E	2	o	1018.9	+2	50	-2	ENE	3	-	o	3	-	53	49	bc.cg	og	og	*
Nairn	1015.2	56	ENE	4	b	1018.6	*	47	-9	-	0	-	o	1	-	63	38	bq	bq	bc.c	15.6
Aberdeen	1016.9	53	ENE	3	o	1018.2	+1	51	-2	NNE	3	-	o	3	-	58	50	ov	av.c.v.o	o	0.6
Leith	1014.8	57	E	2	o	1016.6	0	52	-2	ENE	2	-	o	3	-	59	51	o	o.c.bc	bc.ag	*
Tynemouth	1013.3	56	ENE	3	oq	1014.4	0	55	+1	NE	4	NE	cq	4	-	57	50	oq	oq	cq	*
Spurn Head	1011.0	55	NNE	5	oq	1010.5	0	54	-1	NE	6	-	cq	5	-	59	52	cq	cq	cq	2.7
YARMOUTH (Gorleston).																					
Yarmouth (Gorleston)	1007.0	56	NE	5	r	1006.5	+3	57	0	ENE	3	-	od	4	21	60	56	o	or	omr	1.4
Clacton-on-Sea	1007.1	58	NNE	2	r	1005.5	+1	57	-2	NNE	3	NE	o	2	7	60	53	ogr	ogr	ogdr	0.0
Nottingham	1010.4	57	NE	4	o	1011.8	*	53	-3	NNE	3	NE	o	*	1	60	50	c.o	o	o	0.2
Benson (Oxon.)	1006.0	56	NE	1	r	1010.0	+3	50	-2	NNW	3	-	r	*	28	56	49	r	r	r	*
Sth Farnborough	1007.3	56	ENE	1	r	1009.8	+2	51	-	NW	3	-	r	*	10	57	51	or.ond	od.rm	or.odrm	0.0
London (Kew Obsy.)	1007.8	57	NE	1	omr	1008.9	0	52	-4	WNW	3	-	or	*	18	57	51	om.omr	omr.ong	omr.c.or	8.3
NORTHERN EUROPE.																					
Spitsbergen	1007.0	37	ENE	3	o	1006.7	+1	37	0	ENE	4	*	o	*	*	39	32				
Vardö	1010.4	46	SSW	2	c	1012.4	+1	48	+2	SW	4	-	c	3	*	52	41				
Bodö	1015.4	46	WSW	4	o	1017.2	+2	46	0	WSW	2	-	o	2	-	46	43				
Christiansund	1017.7	52	N	2	b	1018.0	0	50	+2	NE	2	-	b	3	Trace	62	46				
Skudesnaes	1012.7	52	N	5	b	1014.4	+1	57	+3	-	0	-	b	1	-	57	43				
Færder (N'ania Fjorö)																					
The Scaw (Skagen)	1014.3	63	E	1	b	1013.0	+1	63	+2	NE	1	-	b	1	-	64	55				
Blaavands Huk	1011.0	63	NNE	3	c	1010.9	?	59	-2	E	2	-	o	?	-	68	46				
Copenhagen	1012.3	64	SSE	3	bc	1011.0	0	61	0	E	5	-	bc	*	-	66	55				
Bornholm	1012.8	57	ESE	4	c	1010.3	0	61	-2	E	7	W	c	2	-	63	55				
FRANCE, &c.																					
The Helder	1005.6	64	NE	3	o	1005.9	0	61	+2	N	2	-	o	2	1	64	59				
C. Gris Nez	1013.5	57	SW	5	f	1007.3	+1	54	-9	W	5	*	o	5	-	66	54				
La Hève	1010.6	64	WNW	4	bc	1011.5	*	57	-2	WSW	4	*	o	4	1	68	52				
Brest (St. Mathieu)	1013.6	62	W	4	b	1014.0	+1	60	0	W	5	*	c	4	-	66	57				
Rochefort (Ile d'Alx)	1014.6	62	NW	4	o	1016.0	0	63	0	WNW	5	*	c	*	7	75	59				
Biarritz	1018.3	66	W	4	o	1019.3	0	64	0	WSW	4	*	c	8	-	77	61				
Paris	1009.7	68	SW	2	clr	1011.8	0	63	-3	SW	2	-	bc	*	12	73	55				
Belfort	1012.7	60	WSW	4	c	1014.3	*	53	-11	W	6	*	r	*	5	72	52				
Lyons	1012.6	?	NNW	1	c	1015.5	*	59	-2	NW	2	*	o	*	36	75	57				
Nice																					
Perpignan	1013.5	75	W	1	o	1017.2	0	68	-2	NW	2	SW	c	*	-	84	63				
Sanguinaire	1011.7	75	W	3	m	1014.0	*	74		NW	4	*	bc	3	-	93	68				
SOUTHERN STATIONS.																					
Corunna																					
Madrid																					
Lisbon																					
Azores (Horta)	1027.4	*	WSW	4	b	1027.3	0	69	+3	SSE	3	*	o	2	-	77	68				
Madeira																					
Gibraltar	1016.6	74	NW	5	b	1016.9	*	68		NW	5	*	b	3	-	83	66				
Malta		*	*	*	*	10151	+1	77	0	WSW	2	-	b	0	-	84	75				
Limassol		*	*	*	*	10080	+2	82	-8	W	2	-	b	2	-	93	57				
Alexandria	1011.5	75	N	3	b	1012.3	+2	77	0	NNW	2	NNW	c	1	-	84	72				
Cairo (Helwan)	1009.7	82	N	3	b	1011.9	+1	73	-2	N	2	-	b	*	-	93	68				
LONDON OBSERVATIONS.																					
Humidity.		Sun- shine for 8 <sup>th</sup>		24 HOURS ENDED 9 <sup>th</sup>				SOUTH KENSINGTON.													
15 h.	9 h.			TEMPERATURE.				WEATHER.													
8 <sup>th</sup>	9 <sup>th</sup>			Max.	Min.	Min. on Grass.	Rain- fall.	Morn- ing.	After- noon.	Night.	Vertical Component of Solar Radiation per square Centimetre during 8 <sup>th</sup>										
GREENWICH (Royal Observatory)	95	96	0.0	68	50	50	20	or	or	or	Total. Average Rate. Max. Rate.										
CITY (Bunhill Row)	*	*	*	*	*	*	*	*	*	*	Joules. Milliwatts. Milliwatts.										
WESTMINSTER (St. James's Park)	94	94	0.0	59	51	49	18	dr	r	dr. r	253 4.3 17.5										
CAMDEN SQ. (British Rainfall)	-	99	0.0	62	50	49	19	-	-	*	The thermometers at Greenwich and Camden Square are in Glaisher screens.										
HAMPSTEAD (Reservoir)	*	96	0.0	56	48	41	21	or	or	or											
S. KENSINGTON (Museum Grounds)	*	94	0.0	58	52	50	22	or	or	or											

\* Information for these columns not usually received.

† Received too late for insertion in Charts.

† The barometric change is expressed in half-millibars.

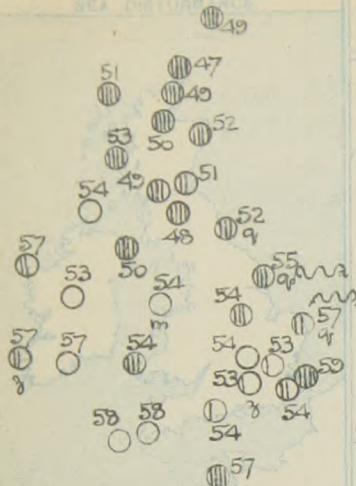






# THE MORNING OF TUESDAY, 10<sup>TH</sup> JULY, 1917.

TEMPERATURE, WEATHER AND  
SEA DISTURBANCE



FORECAST DISTRICTS



## EXPLANATION.

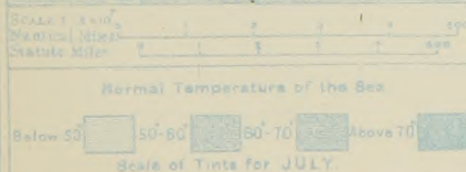
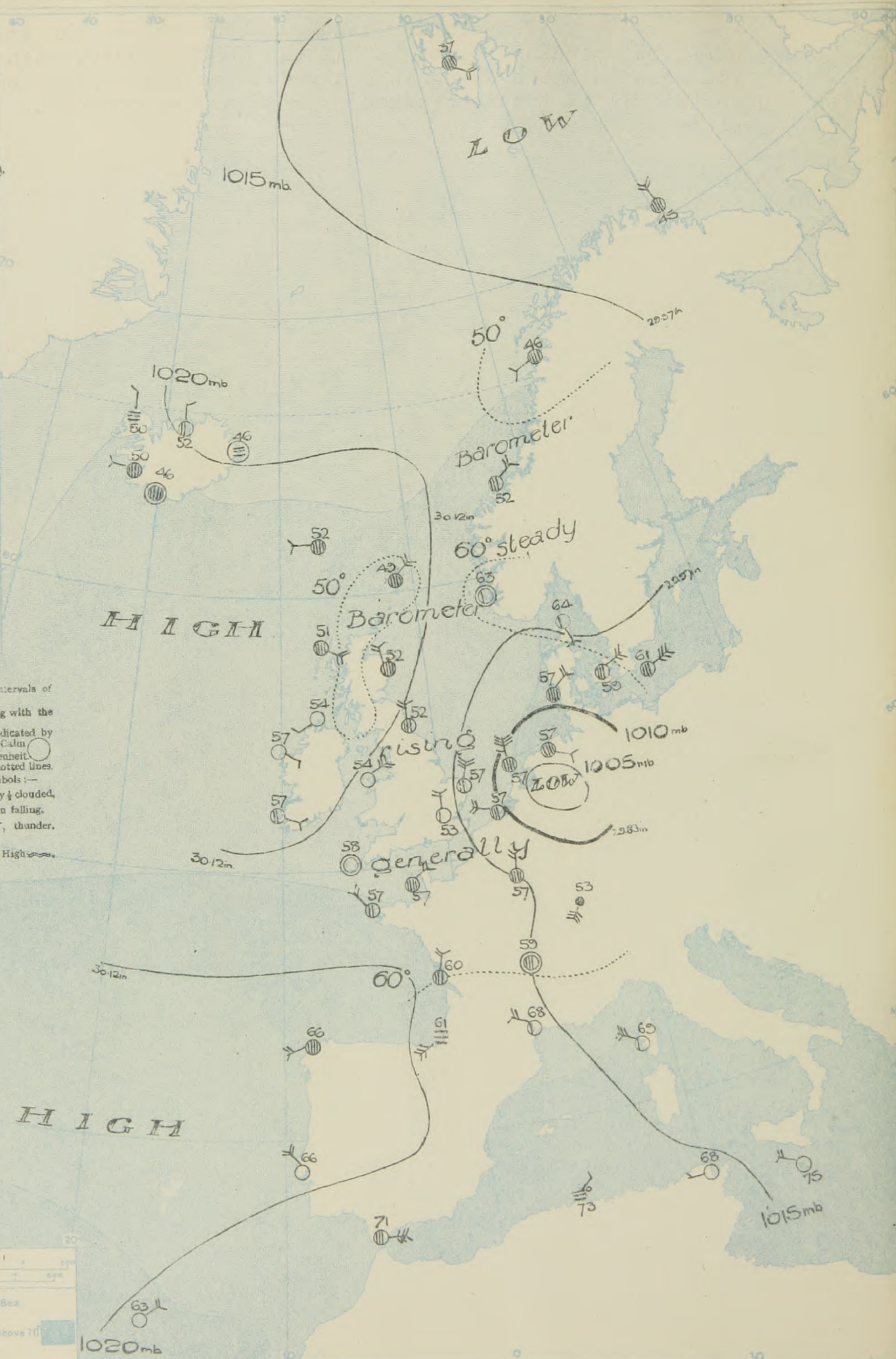
**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**WIND.**—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm.

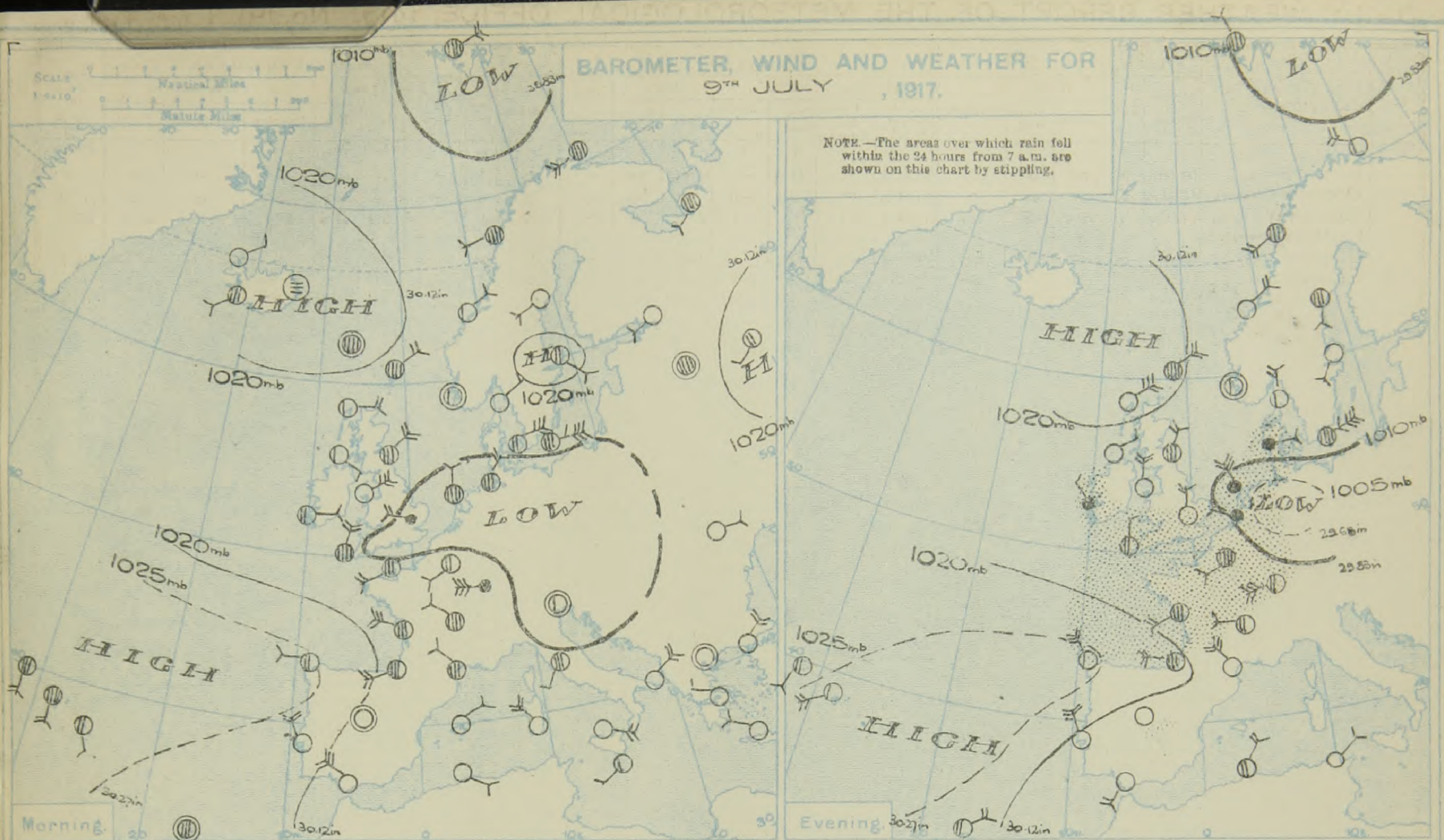
**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

**WEATHER.**—Shown by the following symbols:—  
○ clear sky. ○ sky ½ clouded. ○ sky ¾ clouded.  
○ sky ¾ clouded. ○ overcast sky. ● rain falling.  
✱ snow. ▲ hail. ☼ fog. ☼ mist. T, thunder.  
⚡, thunderstorm.

**SEA DISTURBANCE.**—Rough. High.





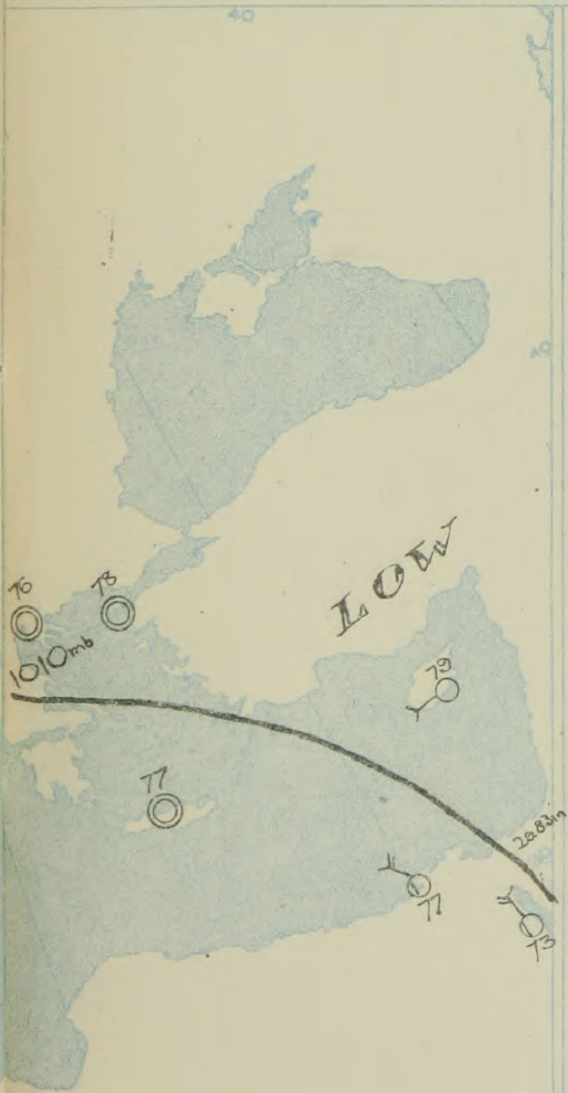


### The Present Situation

The depression over Belgium travelled eastward during yesterday, but moved slightly south-westward in the night, and at present appears to be stationary. Pressure is increasing slowly over the British Isles and their neighbourhood and is relatively high between this country and Iceland. The N. wind blows a fresh to strong breeze between East Anglia and Holland, and a high wind at the Helder, but generally the prevailing N. and NE. winds are light, and the weather fairer than of late.

### The Outlook

The high pressure to the north-westward of the United Kingdom is probably separated from another anticyclone over the Azores region, and along this relatively low pressure band it is probable that shallow depressions will move towards this country, and cause an interruption in the fairer and more stable conditions now prevalent. The indications are indefinite, but the light E. winds on the West coast of Ireland seem to point to the early approach of a depression, although the barometer is still rising.





STATIONS.	EVENING OF 9 <sup>th</sup>					MORNING OF 10 <sup>th</sup>										24 HOURS ENDED 7 A.M.					Sun- shine for 9 <sup>th</sup> Hours.									
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 24 hours.	TEMP. °F.	Change in 24 hours.	WIND.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.													
			Direc.	Force 0-12.											Max.	Min.	Morning.	Afternoon.	Night.											
BRITISH ISLANDS.	Lerwick	1020.1	50	NE	4	0		49	-1	NNE	4	—	0	3	—	51	48	0	0	0	*									
	Deerness (Orkney)	1020.6	51	N	4	0		49	-1	N	4	—	0	2	—	56	47	0	0	0	1.4									
	Stornoway	1021.0	53	ENE	5	bq	+1	51	-1	ESE	4	—	0	3	—	59	48	bq	bq	bc.0	15.2									
	Castlebay (Barra Isd.)																													
	Glasgow	1019.2	56	E	2	bc	+1	49	0	NE	1	2	c	*	—	58	44	0	a.c.bc	bc.b.0	2.8									
	Esksdalemuir	1018.5	51	NE	3	ov	+1	48	-2	NNE	2	—	0	*	—	58	35	c.bc	c.v.ov	a.c.bco	5.7									
	Malin Head	1019.1	57	ENE	1	b	+1	54	+4	SW	1	—	b	1	—	60	50	b	b	bc	13.2									
	Blacksod Point	1017.3	62	NNE	3	bc	+1	57	+2	ESE	1	—	bz	1	—	66	50	bz	bc	bc.bz	*									
	Valencia (Cahirveen)	1017.3	58	NW	1	r	+2	57	-2	E	2	2	bcz	3	18	63	62	bcz	or	r.c.bcz	3.6									
	Roche's Point	1016.4	60	S	2	0		57	-2	N	2	—	b	1	—	64	63	bc	c.0	r.b	*									
	Birr Castle	1016.9	66	ENE	2	bc		53	-3	E	1	—	b	*	—	68	41	bc	bc	b	11.3									
	Donaghadee	1017.4	56	NE	4	bm	+2	50	-2	E	2	—	og	1	—	57	48	bc	bm	bc	*									
	Liverpool (Bldston)	1015.2	60	NE	2	b	+2	51	-3	NE	1	E	0	1	—	65	50	b	b	c.0	12.7									
	Holyhead	1015.8	59	N	4	bm	+2	54	-1	NE	5	—	bm	4	—	62	51	bc	bm	bm	12.9									
	Pembroke (St. Ann's)	1016.1	58	N	3	b	+2	54	-1	W	1	—	c	1	—	63	49	b	b	bc.c	12.8									
	Scilly (St. Mary's)	1017.0	58	N	1	bc	+2	58	+2	—	0	—	b	3	0.3	64	52	bc	bc	bc	8.1									
	Falmouth	1015.8	62	NNW	2	bc	+2	58	0	N	1	—	b	*	Trace	66	51	bc	bc	bc	6.6									
	Jersey (St. Aubin)	1014.7	59	NNE	3	b		57	-2	NE	3	—	0	1	6	63	54	bc	bc	bc	5.8									
	Portland Bill	1013.5	58	NW	3	0	+1	54	0	ENE	4	—	b	3	4	62	54	c.0	or	or.c.bc	*									
	Dungeness	1011.6	60	NE	2	bc	+3	54	+1	NNW	3	NW	bc	2	1	63	50	op.0	a.bc	bc	*									
Dover	1012.0	60	NNE	5	c	+3	59	+6	NW	3	W	0	2	—	64	51	b.bc	c	0	5.2										
NORTHERN EUROPE.	Wick	1020.5	51	ENE	2	0		49	-1	N	2	—	0	3	—	53	47	og	c.og	og	*									
	Nairn	1020.4	53	NE	1	cg		50	+3	NNE	1	—	0	1	0.1	57	46	p.og	cg	og	1.9									
	Aberdeen	1019.8	53	NNE	3	0		52	+1	NNW	3	—	0	3	—	57	49	0	c.0	0	0.1									
	Leith	1019.2	55	E	1	c		51	-1	N	2	2	bc	3	—	58	49	0	a.c.bc.c	c.bc	*									
	Tynemouth	1018.1	55	NNE	3	cg	+1	52	-3	N	3	2	cg	4	—	59	50	bcg	cg	cg	*									
	Spurn Head	1014.4	59	NNE	6	bq	0	55	+1	N	5	—	cg	5	—	60	47	bcg	bcg	bcg	10.8									
	Yarmouth (Gorleston)	1012.5	59	NNE	4	c	+1	57	0	NNE	5	—	bcg	5	—	63	54	0	c.0	og.bc	1.5									
	Clacton-on-Sea	1012.6	64	NNW	3	bc	+1	55	-2	NW	4	N	c	2	1	65	49	og.0	a.c.bc	bc	3.4									
	Nottingham	1014.8	62	ENE	3	bc		54	+1	N	3	N	c	*	—	68	47	0.c	bc	bc.c	6.9									
	Benson (Oxon.)	1013.3	65	NNE	3	b	+2	54	+4	N	2	—	b	3	3	66	46	r.0	bc	bc.b	*									
Sth Farnborough	1012.0	63	NE	2	bz	+2	53	+2	N	2	NW	bz	*	3	63	44	rd.0	0.b	bc.bz	2.1										
London (Kew Obsy.)	1013.5	63	N	3	b	+1	53	+1	N	3	—	b	*	4	64	48	or.d.0	a.c.bc.b	b.bc.b	2.9										
FRANCE, &c.	Spitsbergen	1010.0	37	N	2	0	+1	37	0	SE	4	*	0	*	*	37	34													
	Vardö	1013.1	43	NW	4	b	0	45	-3	N	4	—	0	2	*	48	43													
	Bodö	1017.5	48	SW	4	0	0	46	0	WSW	2	—	0	2	—	48	45													
	Christiansund	1018.0	54	NE	4	b	0	52	+2	NE	3	—	c	3	—	57	48													
	Skudesnaes	1015.7	57	—	0	b	0	63	+6	—	0	—	b	1	—	63	52													
	Færder (X'ania Fjord)	1015.0	63	—	0	b	0	59	0	NNE	1	SW	b	1	—	64	55													
	The Scaw (Skagen)	1013.9	64	N	3	b	+2	64	+1	SSE	2	—	b	2	—	66	61													
	Blaavands Huk	1011.8	57	E	2	r		57	-2	NE	3	—	0	*	Trace	66	54													
	Copenhagen	1011.9	64	E	6	c	+1	59	-2	ENE	4	—	c	*	*	66	55													
	Bornholm	1010.7	57	ENE	8	0	0	61	0	ENE	6	—	c	2	—	61	54													
SOUTHERN STATIONS.	The Helder	1008.3	59	NNW	5	r	+3	57	-4	N	7	—	0	6	12	61	57													
	C. Gris Nez	1011.9	59	NE	4	bc	+2	55	+1	N	4	*	0	4	Trace	63	54													
	La Hève	1012.8	55	NW	4	0	*	55	-2	NNE	3	*	c	3	6	64	50													
	Brest (St. Mathieu)	1016.8	59	NW	4	0	+2	57	-3	NW	3	*	bc	3	1	61	57													
	Rochefort (Ile d'Aix)	1018.0	64	SW	4	c	+1	60	-3	NNE	3	*	c	*	4	68	59													
	Biarritz	1021.6	66	W	4	c	-1	61	-3	SW	5	*	f	4	7	68	61													
	Paris	1011.8	61	SW	1	0	+2	57	-6	N	3	—	0	*	5	70	54													
	Belfort	1014.7	59	WSW	6	bc	*	53	0	SW	6	*	r	*	11	68	63													
	Lyons	1016.0	62	—	0	bc		59	0	—	0	*	c	*	6	69	52													
	Nice																													
SOUTHERN STATIONS.	Perpignan	1016.4	73	NW	5	bc	-1	68	0	NW	3	W	b	*	—	79	57													
	Sanguinaire	1013.6	74	NW	5	b	*	69	-5	NW	5	*	b	3	—	84	66													
	Corunna	1025.3	68	NW	5	b	+1	66	+2	WSW	3	—	0	2	1	68	63													
	Madrid																													
	Lisbon	1019.8	72	NNW	3	b	0	66	+3	NNW	4	—	b	5	—	75	63													
	Azores (Horta)	1027.3	*	SW	4	b	-1	66	-3	WSW	5	*	0	3	1	77	66													
	Madeira	1021.9	70	NE	3	bc	-3	63	-3	NE	4	—	b	3	—	72	63													
	Gibraltar	1015.6	72	SW	3	b	*	71	+3	E	6	*	c	3	—	81	66													
	Malta		*	*	*	*	+1	75	-2	NW	3	—	b	1	—	84	72													
	Limassol		*	*	*	*	+2	79	-3	W	2	—	b	1	—	90	63													
LONDON OBSERVATIONS.	Alexandria	1011.8	75	N	2	b	0	77	0	NNW	3	NW	b	2	—	82	72													
	Cairo (Helwan)	1010.1	82	N	3	b	+1	73	0	N	3	—	b	*	—	91	68													
			HUMIDITY.		Sun- shine for 9 <sup>th</sup> Hours.	TEMPERATURE.				Rain- fall. mm.	WEATHER.			SOUTH KENSINGTON.				Vertical Component of Solar Radiation per square Centimetre during 9 <sup>th</sup>	Total.	Average Rate.	Max. Rate.	Joules.	Milliwatts.	Milliwatts.						
	15 h.	9 h.	Max.	Min.		Min. on Grass.		Morn- ing.	After- noon.		Night.																			
	GREENWICH (Royal Observatory)		84	69	2.4	64	48	41	1	0	0.6	bc.0.c		583																
CITY (Bunhill Row)		*	*	2.3	*	*	*	*	*	*	*	*	10																	
WESTMINSTER (St. James's Park)		81	71	2.5	64	49	43	1	d.0	0	bc		46.5																	
CAMDEN SQ. (British Rainfall)		74	66	2.0	66	47	45	1	or.0	ad.c	*																			
HAMPSTEAD (Reservoir)		*	69	2.6	61	45	37	1	or.c.b	b	bc																			
S. KENSINGTON (Museum Grounds)		*	68	2.4	64	48	43	1	or	c.bc	bc																			
The thermometers at Greenwich and Camden Square are in Glaisher screens.																														



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON TUESDAY, 10<sup>th</sup> JULY.

Temperature remained below 60° in many parts of Scotland, or below 65° over a large portion of England; in Central Ireland it exceeded 70°. Generally the weather was dry and at most stations there were many hours of sunshine. In some eastern and northern localities, however, the day was very cloudy or overcast.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR TUESDAY, 10<sup>TH</sup> JULY UP TO 17 H.

[illegible]REPORTS FROM FOREIGN STATIONS FOR TUESDAY 10<sup>TH</sup> JULY

STATIONS.		EVENING OF.....9h.....					MORNING OF.....10h.....										MORNING OF.....10h.....						
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer.		Temp.		WIND.		Rain- fall. Milli- metres.	Temp.		ICELAND.	Barom. Milli- bars at M.S.L.	Temp.		WIND.		Weather.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.
		° F.					†	° F.	° F.					° F.	° F.			° F.	° F.				
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1011.1	54	W	6	o								*									
	Gorki ...	1010.0	64	SSE	3	o	1008.8	*	63	+9	S	3	b	1	*	57		50	-4	N	1	f	
	Velieki Luki ...	1013.3	54	SE	2	Y	1007.1	*	59	+4	-	0	o	22	*	50		50	0	W	2	o	
	Hangö ...						1014.1	-2	55	-7	-	0	c	-	*	41		46	-2	-	0	o	
	Riga ...	1012.0	61	-	0	bc	1009.5	-2	57	-2	ENE	2	c	-	*	52		46	-2	-	0	o	
	Petrograd ...	1016.6	59	N	2	b	1014.4	-2	59	-7	ENE	3	o	-	64	50		46	+3	-	0	f	
	Moscow ...	1019.0	63	NE	2	o	1015.5	-2	61	+4	SE	3	b	-	*	54		52	-	0	o		
	Kiev ...	1012.2	70	SE	3	c	1009.0	-1	64	+5	SE	3	c	-	*	59		52	-	0	f		
	Kharkov ...	1014.9	72	S	2	b	1012.4	-1	70	0	E	2	bc	-	*	68		52	-	0	o		
	Kishinev ...	1009.9	72	SSE	3	b	1007.5	-2	68	+2	SE	2	b	-	*	59		52	-	0	o		
MEDITERRANEAN.	Elisabetgrad ...													*									
	Nicolaiev ...	1013.2	72	-	0	b	1009.6	*	70	+7	-	0	b	-	*	59							
	Odessa ...	1012.7	73	SE	2	b									*								
	Tarkhankout...	1011.8	73	NNW	4	bc									*								
	Soukhoun ...														*								
	Venice ...	1007.1	63	NNW	2	Y	1008.3	*	68	0	-	0	b	2	75	61							
	Pesaro ...	1007.5	77	SW	2	b	1009.5	*	68	-11	W	3	b	1	86	66							
	Rome ...	1010.6	73	W	2	b	1011.5	*	75	-2	-	0	b	-	84	66							
	Viesti ...	1009.8	79	S	1	b	1010.2	*	79	0	E	1	b	-	81	73							
	Brindisi ...	1008.3	77	S	4	b	1008.5	*	75	0	SE	2	b	-	86	70							
SWEDEN.	Cagliari ...	1013.0	81	NW	5	b	1014.6	*	72	+2	NW	3	b	-	86	59							
	Palermo ...						1013.8	*	75	-7	-	0	b	-	90	61							
	Tripoli ...						1014.9	*	79	-3	N	1	b	-	86	73							
	Algiers ...	1014.7	73	NNE	3	bc	1017.3	+1	73	+1	NE	2	m	-	81	54							
	Hernösand ...	1016.6	57	S	2	c	1016.6	*	59	+4	-	0	b	*	*	*							
	Stockholm ...	1016.4	61	SSW	2	b	1016.3	*	64	+1	E	2	b	*	*	*							
	Wisby ...	1015.1	59	E	4	b	1014.0	*	61	+2	NE	6	b	*	*	*							
	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																	11 <sup>TH</sup> AND 12 <sup>TH</sup> JULY, 1917.			Sunrise.	Noon.	Sunset.
																					G.M.T.	G.M.T.	G.M.T.
																		Yarmouth ...			{ 3 44 3 45	11 58 11 58	8 13 8 12
																	Greenwich ...			{ 3 57 3 58	12 5 12 5	8 13 8 12	
																	Wick ...			{ 3 23 3 23	12 17 12 17	9 10 9 9	
																	Valencia ...			{ 4 35 4 36	12 46 12 46	8 58 8 57	

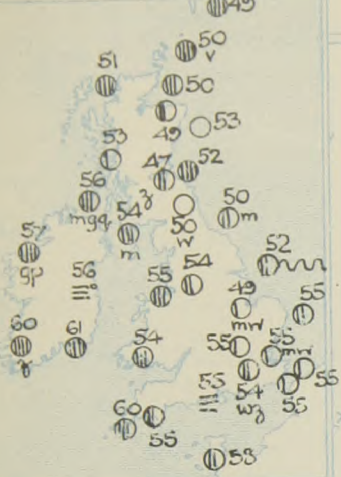
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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

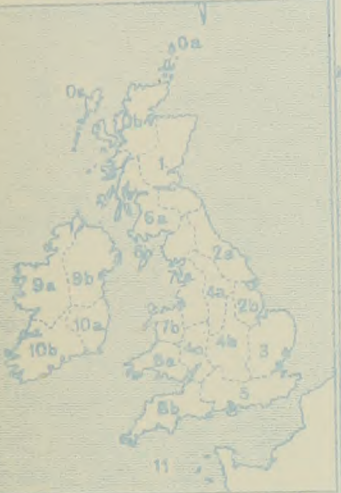


# THE MORNING OF WEDNESDAY, 11<sup>TH</sup> JULY, 1917.

TEMPERATURE, WEATHER AND  
SEA DISTURBANCE



FORECAST DISTRICTS.



## EXPLANATION.

**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**WIND.**—Direction is shown by arrows flying with the wind.

Force, on the scale 0-12, is indicated by the number of feathers. Calm

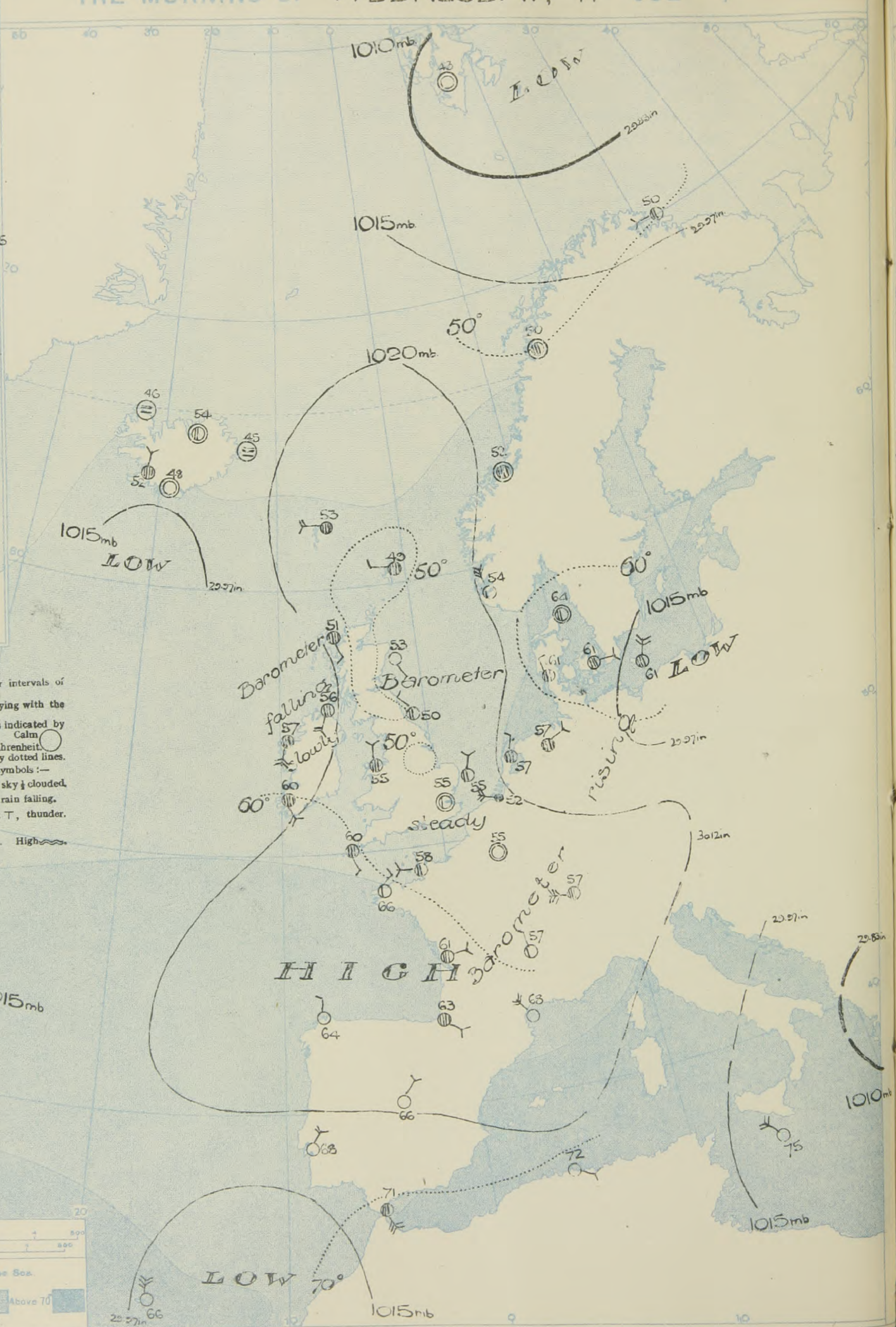
**TEMPERATURE.**—Given in degrees Fahrenheit. Calm

**WEATHER.**—Shown by the following symbols:—

○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded. ○ overcast sky. ● rain falling.

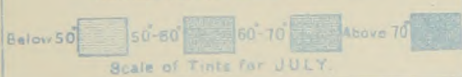
\* snow. ▲ hail. ☼ fog. ☼ mist. T, thunder.

**SEA DISTURBANCE.**—Rough High



SCALE 1:250,000  
Nautical Miles 1 2 3 4 5 6 7 8 9 10  
Statute Miles 1 2 3 4 5 6 7 8 9 10

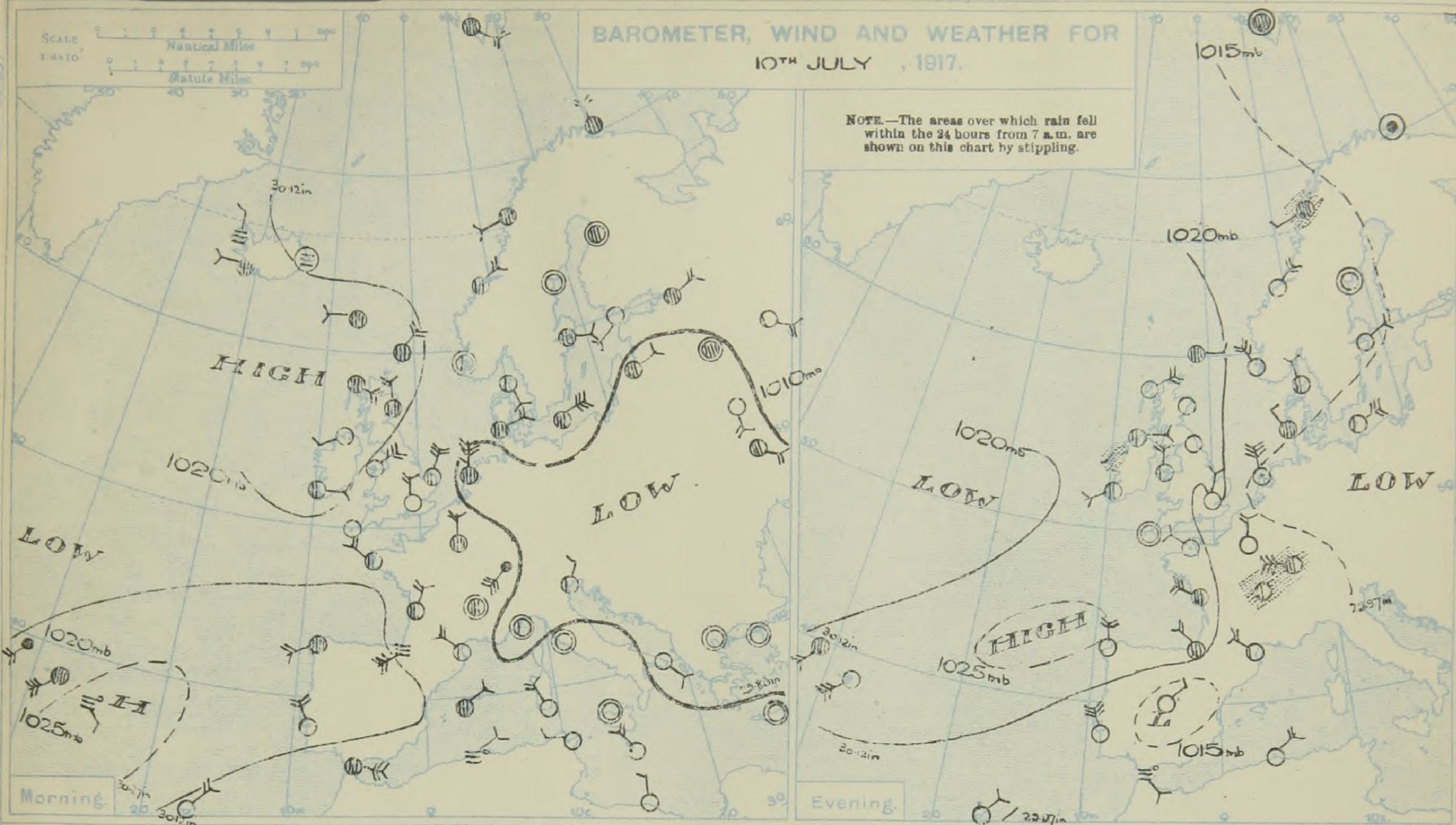
Normal Temperature of the Sea.





# BAROMETER, WIND AND WEATHER FOR 10<sup>TH</sup> JULY 1917.

NOTE.—The areas over which rain fell within the 24 hours from 7 a.m. are shown on this chart by stippling.

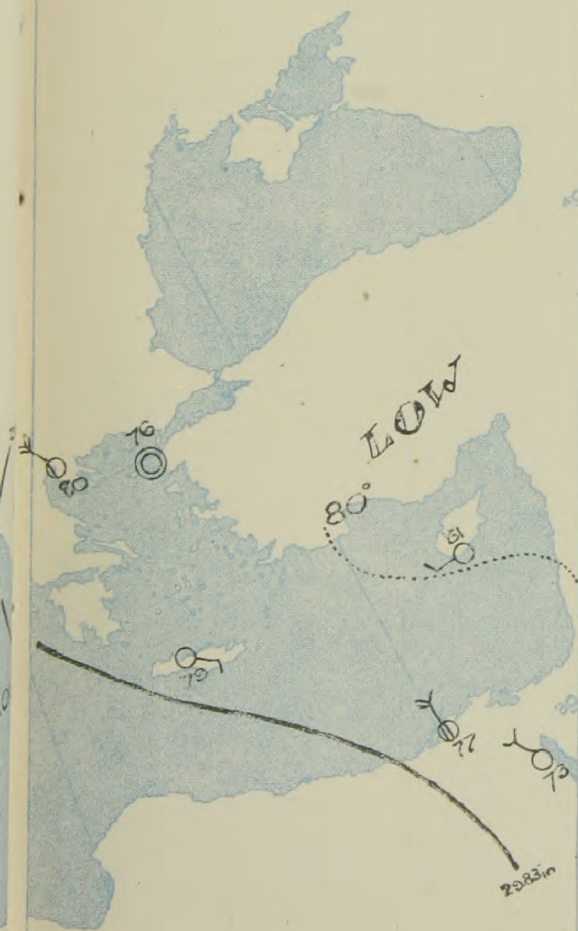


## The Present Situation

An anticyclone ridge extends from France to Scotland, and the barometer is either stationery or rising slightly in almost all regions. A gentle fall in the north-west of Ireland, however, indicates the approach of a depression, and it is probable that this will move very slowly in an easterly direction, while the anticyclone ridge moves south-eastward or eastward.

## The Outlook

The immediate future will probably continue fair over Great Britain, although rain may fall in Ireland. More or less rain may be expected later in Britain, but at present the extent of the rain area cannot be estimated. Temperature, although it will become higher, will not reach the normal.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 192

Wednesday, 11th JULY

STATIONS.	EVENING OF 10th					MORNING OF 11th										24 HOURS ENDED 7 A.M.					Sun- shine for 10th	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours.	WIND.		Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Dirac.	Force 0-12.						Dirac.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1021.9	50	E	1	0	1022.3	0	49	0	W	1	-	0	1	-	52	47	0	0	0	
	Deerness (Orkney)	1022.7	52	N	2	0	1022.0		50	+1	S	1	-	ove	1	-	55	45	o.e	c.o	c	0.6
	Stornoway	1022.2	54	ENE	4	b	1021.3	0	51	0	SE	1	-	0	0	-	57	44	o.be	of.b	b.o	10.0
	Castlebay (Barra Isd.)																					
	Glasgow	1021.3	59	WNW	1	CZ	1023.0	+1	47	-2	ESE	1	W	bcz		-	63	42	c.be.c	c.wz	c.be.bz	3.8
	Eskdalemuir	1021.7	55	ENE	2	c	1023.6	+1	50	+2	-	0	W	bcw		-	59	35	o.e	bc.o	c.be.b	7.3
	Malin Head	1021.7	58	E	2	bc	1019.5	-1	56	+2	SSW	3	S	cmgg	3	-	62	51	bz	bz	cmgg	14.0
	Blacksod Point	1020.8	68	WSW	2	bc	1017.3	-3	57	0	S	4	-	ogp	3	4	66	56	bc	bc	bc.omr	
	Valencia (Cahirciveen)	1021.3	64	WSW	2	bc	1019.9	0	60	+3	SSE	3	-	oz	3	-	66	57	bc.bz	b.bcz	CZ.oz	12.1
	Roche's Point	1022.3	62	S	2	c	1022.0	*	61	+4	SE	3	-	0	3	-	67	56	b.be.b	b.be.c	c.om	
	Birr Castle	1020.8	69	ESE	1	c	1019.3	*	56	+3	S	2	-	m	*	-	71	51	c	c	z	10.9
	Donaghadee	1021.5	57	SE	2	bz	1022.0	+2	54	+4	S	2	-	c	1	-	59	48	bcm	bcm	bcm	
	Liverpool (Bldston)	1021.2	69	WNW	3	bc	1023.4	0	54	+3	ESE	2	-	bc	2	-	61	49	o.e.b	b	b.be	9.7
	Holyhead	1021.9	59	N	3	b	1022.6	0	55	+1	N	2	-	c	0	-	61	49	b	bz	b.be.c	13.9
	Pembroke (St. Ann's)	1021.2	58	N	3	b	1023.1	+1	54	0	-	0	-	c	1	-	64	47	bc.c	bc.b	b.be.c	11.9
	Scilly (St. Mary's)	1022.7	63	-	0	bm	1023.4	0	60	+2	SSE	1	-	c	3	-	65	54	bc	bc.bm	c	13.6
	Falmouth	1021.2	64	NW	2	b	1023.2	+1	55	-3	NW	1	-	bc		-	66	51	b	b	bm.bcm	14.5
	Jersey (St. Aubin)	1021.8	62	NW	2	b	1024.0	*	58	+1	W	2	W	bc	1	-	64	50	o.e.be.b	b	b.be	7.8
	Portland Bill	1020.2	58	SW	3	c	1022.5	+1	55	+1	SW	2	-	f	2	-	61	54	bc.b	c	b.bcf	
	Dungeness	1019.9	64	N	4	bc	1022.5	+2	55	+1	N	2	-	b	2	-	65	46	bc	bc	bc	
	Dover	1019.6	60	NNE	4	c	1023.1	+2	55	-4	NNW	4	NW	b	2	-	67	45	o.be.c	b.o.c	c.be.b	5.8
Wick	1022.9	50	-	0	og	1022.2	0	50	+1	SSE	2	-	c	2	-	53	37	og	og	og.be.c		
Nairn	1020.1	56	NE	1	bc	1022.1	*	49	-1	-	0	-	bc	0	-	57	35	c.o	c.be	b.o.w	3.5	
Aberdeen	1022.2	54	N	2	o	1023.1	0	53	+1	SE	1	NW	b	2	-	56	39	ov	ov	o.e.b	0.0	
Leith	1021.2	60	E	1	bc	1022.6	0	52	+1	NNW	1	-	b	1	-	61	48	bc.e.o	b	bc.bz		
Tynemouth	1021.8	54	N	3	cq	1023.8	+1	50	-2	NW	1	N	bcm	3	-	58	45	cq	cq	bcm		
Spurn Head	1020.8	59	NNE	4	cq	1023.0	+1	52	-3	NNW	4	-	bc	5	-	60	46	cq	cq	bc	5.6	
Yarmouth (Gorleston)	1019.2	58	N	4	bc	1022.9	+3	55	-2	N	2	-	bc	2	-	63	46	bcq	bc	bc	1.1	
Clacton-on-Sea	1019.7	60	NW	4	c	1023.7	+2	54	-1	NNE	3	-	b	2	-	64	45	bc.c	c.be	bc.bw	6.8	
Nottingham	1020.0	60	ENE	2	c	1024.2	*	49	-5	E	1	W	bmw		-	64	39	c.o	c	c	4.1	
Benson (Oxon.)	1019.6	63	NNE	1	b	1023.1	+1	55	+1	NE	1	-	b	*	0.2	65	46	b	bc	b.r		
Sth Farnborough	1019.5	63	NNW	2	b	1023.6	+1	54	+1	E	3	NW	bcwz	*	-	67	46	bc	c.b	bcm.bcm	10.7	
London (Kew Obsy.)	1020.1	64	NNE	2	bz	1024.2	+2	55	+2	-	0	NW	bmw	*	-	65	50	b.e.be	bc.e.bz	bcx.bcm	13.5	
NORTHERN EUROPE.	Spitsbergen	1011.1	37	-	0	o	1007.4	-2	43	+6	-	0	*	b	*	*	37	34				
	Vardø	1011.3	36	-	0	Y	1014.6	+1	50	+5	W	2	-	bc	3	*	45	41				
	Bodø	1019.1	46	WSW	1	o	1017.9	-1	50	+4	-	0	-	c	0	2	48	43				
	Christiansund	1018.4	52	NE	4	b	1019.8	+1	52	0	-	0	-	o	3	-	57	48				
	Skudesnaes	1017.1	57	NW	5	b	1019.7	+1	54	-9	NNW	5	-	b	2	-	64	48				
	Færder (N'lanta Fjord)	1015.9	64	WNW	2	b	1016.7	0	61	+2	-	0	SW	c	0	-	66	57				
	The Scaw (Skagen)	1016.4	66	NW	2	bc	1017.7	+1	64	0	-	0	-	bc	0	-	68	54				
	Blaavands Huk	1015.9	63	NW	1	o	1019.4	?	61	+4	NNW	1	-	c	?	Trace	66	54				
	Copenhagen	1014.0	63	SW	2	c	1016.7	+3	61	+2	E	2	-	c	*	-	68	57				
	Bornholm	1013.3	54	ENE	5	b	1014.6	+1	61	0	NNE	4	-	c	1	-	63	54				
FRANCE, &c.	The Helder	1013.5	57	NNW	6	o	1019.5	+5	57	0	N	1	-	c	1	-	59	56				
	C. Gris Nez	1019.8	62	N	3	b	1022.3	+2	56	+1	N	3	-	b	3	-	64	54				
	La Hève	1016.7	58	NNE	3	bc	1024.3	*	55	0	WSW	3	*	c	3	-	64	52				
	Brest (St. Mathieu)	1023.1	61	NNW	2	b	1025.1	+1	65	+8	NE	1	*	b	2	-	65	54				
	Rochefort (Ile d'Aix)	1021.2	64	WNW	5	c	1024.0	+2	61	+1	ENE	2	*	c	*	-	68	57				
	Biarritz	1021.5	67	NW	3	c	1024.0	+1	63	+2	ESE	2	*	o	2	-	72	59				
	Paris	1018.9	63	N	3	b	1024.2	+2	55	-2	-	0	-	c	*	-	70	48				
	Belfort	1017.1	57	W	6	c	1025.0	*	51	-2	W	4	*	b	*	3	61	48				
	Lyons	1017.7	61	NW	?	bc	1022.9	*	57	-2	NNW	1	*	b	*	3	69	51				
	Nice																					
Perpignan	1017.3	72	WNW	3	b	1021.5	+2	68	0	NW	4	-	b	*	-	79	61					
Sanguinaire	*					*	*															
SOUTHERN STATIONS.	Corunna	1025.0	66	N	4	b	1023.7	0	64	-2	-	0	-	b	1	-	68	55				
	Madrid	1014.9	81	ENE	1	bc	1021.5	+1	66	-2	NNE	2	-	b	*	-	84	59				
	Lisbon	1017.7	75	NNW	5	b	1016.8	0	68		NNE	3	-	b	*	-	81	66				
	Azores (Horta)	1022.1	*	SW	5	o	1015.8	-1	68	+2	SW	6	*	f	4	-	73	68				
	Madeira	1016.6	77	NNE	5	b	1014.9	-1	66	+3	N	5	-	b	4	-	79	66				
	Gibraltar	1015.9	71	SE	3	m	1016.9	*	71	0	SE	6	*	c	4	-	80	70				
	Malta	*	*	*	*	*	1014.3	+3	75	0	NNW	4	-	b	2	-	82	73				
	Limassol	*	*	*	*	*	1007.7	+1	81	+2	W	1	-	b	0	-	88	63				
	Alexandria	1010.1	75	N	3	b	1009.7	+1	77	0	N	3	-	bc	2	-	86	73				
	Cairo (Helwan)	1008.6	82	N	2	b	1009.0	+1	73	0	N	2	-	b	*	-	90	70				
LONDON OBSERVATIONS.	HUMIDITY.		Sun- shine for 10th	24 HOURS ENDED 9 h. 11th						SOUTH KENSINGTON.												
	15 h.	9 h.		TEMPERATURE.			Rain- fall.	WEATHER.		Vertical Component of Solar Radiation per square Centimetre during 10th												
	%	%	Hours.	°F.	°F.	°F. on Grass		mm.	Morn- ing.	After- noon.	Night.	Total.	Average Rate.	Max. Rate.								
GREENWICH (Royal Observatory)	55	58	12.9	67	45	36	-	c	c	b.o.c												
CITY (Bunhill Row)	*	*	11.6	*	*	*	*	*	*	*												
WESTMINSTER (St. James's Park)	59	59	12.0	67	49	44	-	bc	bc	b												
CAMDEN SQ. (British Rainfall)	51	55	10.2	70	47	46	-	bc	bc	*												
HAMPSTEAD (Reservoir)	*	59	?	64	46	34	-	b	bc	bc												
S. KENSINGTON (Museum Grounds)	*	59	11.9	68	50	41	-	bc	c.bc	b												
														The thermometers at Greenwich and Camden Square are in Glaisher screens.								

## RAINFALL

Equivalents of Millimetres in Inches.

mm.	Inches	mm.	Inches
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
19	0.75	44	1.73
20	0.79	45	1.77
21	0.83	46	1.81
22	0.87	47	1.85
23	0.91	48	1.89
24	0.95	49	1.93
25	0.98	50	1.97

## LONDON OBSERVATIONS.

LONDON OBSERVATIONS.	HUMIDITY.		Sun- shine for 10th	24 HOURS ENDED 9 h. .... 11th.						
	13 h.	9 h.		TEMPERATURE.			Rain- fall.	WEATHER.		
	10th	11th		Max.	Min.	Min. on Grass.		Morn- ing.	After- noon.	Night.
	%	%	Hours.	° F.	° F.	° F.	mm.			
GREENWICH (Royal Observatory)	55	58	12.9	67	45	35	—	c	c	b.o.c
CITY (Bunhill Row) .. .. .	*	*	11.6	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	59	59	12.0	67	49	44	—	bc	bc	b
CAMDEN SQ. (British Rainfall) ..	51	55	10.2	70	47	46	—	bc	bc	*
HAMPSTEAD (Reservoir) .. ..	*	59	?	64	46	34	—	b	bc	bc
S. KENSINGTON (Museum Grounds)	*	59	11.9	68	50	41	—	bc	c.bc	b



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON WEDNESDAY, 11<sup>TH</sup> JULY, 1917.

Temperature rose to 70° or rather above in many parts of England and to 69° at Birr Castle, and generally the maxima were higher than of late. Some rain fell on some parts of the extreme west and north-west coasts, but as a whole the weather was dry, and in most districts in Great Britain fine and bright.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR WEDNESDAY, 11<sup>TH</sup> JULY, UP TO 17 H.

STATIONS.	Sun- shine for 10 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 11 <sup>th</sup>	STATIONS.	Sun- shine for 10 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 11 <sup>th</sup>
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.						Mm.	Mm.	° F.	° F.			
Scotland.									England, E.								
(Oban ... ..)	7.5	-	-	62	44	b. bc	or	2.2	(Lowestoft ... ..)	7.0	-	-	59	46	c	c. bc. c	10.6
Banff ... ..	2.9	-	-	63	3.5	b	b. bc	7.8	Felixstowe ... ..	7.2	-	-	66	45	bc	bc. b	12.5
Montrose ... ..	0.1	-	-	58	53	b	b	9.0	Walton-on-Naze ... ..	7.7	-	-	65	45	b	b. bc	12.0
St. Andrews ... ..	4.4	-	-	65	?	bm	b	7.9	Southend-on-Sea ... ..	10.1	-	-	70	48	b	bc. c. o	10.9
Carnouche ... ..	*	*	*	60	53	b	b	10.0									
England, N.E.									England, S.E.								
(Harrogate ... ..)	1.1	-	-	66	40	b	b. bc	11.9	(Margate ... ..)	7.6	-	-	63	54	b	b	11.5
Skegness ... ..	1.7	-	-	62	41	bc	b	10.7	Hastings ... ..	13.1	-	-	62	51	bc	b	10.4
									Eastbourne ... ..	12.9	-	-	62	53	b	b	10.1
									Seaford ... ..	13.6	-	-	66	49	b	b	9.8
									Brighton ... ..	14.0	-	-	63	52	bc	bc	8.0
England, N.W.									Worthing ... ..	13.6	-	-	64	50	b	b	9.5
(Morecambe ... ..)	13.4	-	-	68	43	b. bc. c	c. bc. c	11.3	Littlehampton ... ..		-	-					
Southport ... ..	8.4	-	-	71	42	b. bc. c	c. bc. c	9.7	Bognor ... ..		-	-					
									Bournemouth ... ..	5.0	-	-	67	48	o	b	8.0
Midlands.																	
(Leamington Spa ... ..)		-	-						(Weymouth ... ..)	*	*	*	66	50	cy. b	b. bc. cy	10.0
Malvern ... ..		-	-						Torquay ... ..	11.5	-	-	70	49	bc. b	b	9.9
Ross-on-Wye ... ..	7.0	-	-	73	46	bc	bc. c	8.8	Paignton ... ..		-	-	69	53	bc. b	b	11.6
									Penzance ... ..	13.9	-	-	66	52	bc. b	bc	10.8
Wales.									Newquay ... ..	12.3	-	-	66	49	b	b	9.6
(Rhyl ... ..)	*	*	*	69	44	bc	bc	7.5	Bude ... ..		-	-	68	45	b	b	?
Colwyn Bay ... ..	*	*	*	66	46	bc	bc	10.3	Ilfracombe ... ..		-	-					
Llandudno ... ..	*	*	*	66	45	c	c	7.1	Weston-s-Mare ... ..	11.5	-	-	63	50	om. c. bc	by	7.5
Aberystwyth ... ..	*	*	*	64	46	b	bc	8.0									

REPORTS FROM FOREIGN STATIONS FOR WEDNESDAY, 11<sup>TH</sup> JULY, 1917.

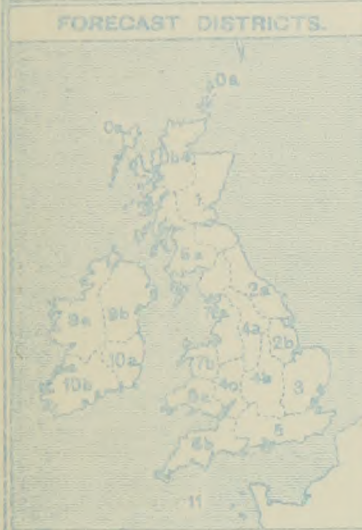
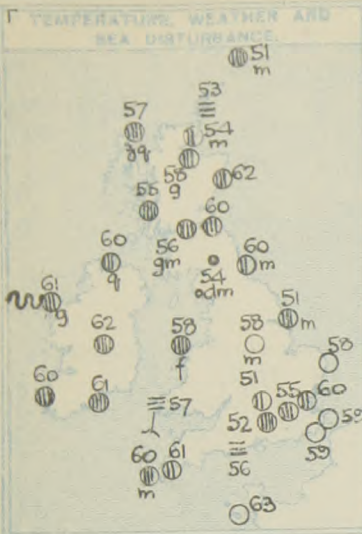
STATIONS.		EVENING OF 10 <sup>TH</sup>					MORNING OF 11 <sup>TH</sup>										MORNING OF 11 <sup>TH</sup>						
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dirac.	Force 0-12.	Weather.		
RUSSIA 7 a.m. and 9 p.m. Local Time.		° F.													° F.	° F.							
	Archangel ...	1015.8	54	SE	1	bc	1015.9	0	61	-	SW	1	b	-	*	48	Isafjord ...	1017.7	46	-4	-	0	f
	Gorki ...	1005.3	70	-	0	o	1003.1	*	64	+1	SE	2	b	-	*	59	Reykjavik ...	1016.6	52	+2	N	2	o
	Veliaki Luki ...						1003.1	*	61	+2	-	0	o	?	*	57	Vestmanna ...	1025.7	48	+2	-	0	b
	Hangö ...	1014.1	69	-	0	b	1015.0	0	59	+4	-	0	bc	8	*	46	Seydisfjord ...	1015.8	45	-1	-	0	f
	Riga ...	1008.2	61	ENE	2	o	1009.0	-2	57	0	NE	4	o	-	*	57	Thorshavn ...	1021.2	53	+1	-	0	o
	Petrograd ...	1012.3	59	NE	3	bc	1012.0	-1	59	0	ENE	4	bc	-	*	52							
	Moscow ...	1011.4	63	SE	1	o	1010.6	+1	64	+3	SE	2	b	5	*	57							
	Kiev ...	1003.7	75	SE	3	o	1006.1	+4	64	0	W	2	bc	7	*	?							
	Kharkov ...	1010.6	68	E	2	b	1010.3		70	0	SSW	2	b	-	*	61							
	Kishinev ...														*								
	Elisabetgrad ...	1007.0	73	S	2	b	1009.7	-3	70		SSE	2	b	-	*	57							
	Nicolaiev ...							*							*								
	Odessa ...	1007.8	72	SSW	4	b									*								
	Tarkhankout...							*							*								
	Soukhoum ...														*								
MEDITERRANEAN.																	12 <sup>TH</sup> AND 13 <sup>TH</sup> JULY, 1817.			Sunrise.	Noon.	Sunset.	
	Venice ...	1010.5	72	SSE	1	c	1013.7	*	66	-2	NNE	1	bc	1	75	61		G.M.T.	G.M.T.	G.M.T.			
	Pesaro ...	1010.7	68	-	0	b	1013.0	*	68	0	E	2	c	-	79	61							
	Rome ...	1012.5	70	S	1	b	1013.7	*	70	-5		1	b	-	82	63							
	Viesti ...							*															
	Brindisi ...	1011.3	65	NE	1	o	1011.5	*	73	-2	NW	2	b	-	81	70							
	Cagliari ...	1014.6	72	NW	5	b	1015.0	*	68	-4	NW	4	b	-	84	59							
	Palermo ...	1014.7	75	-	0	b	1014.7	*	77	+2	SSW	1	b	-	87	63							
	Tripoli ...						1014.7	*	77	-2	ENE	1	o	-	82	66							
	Algiers ...	1016.0	73	NE	3	b	1018.0	+3	72	-1	ESE	2	b	-	79	70							
SWEDEN.																	<td></td> <td></td> <td></td> <td></td> <td></td>						
	Hernösand ...	1016.6	61	-	0	b	1016.2	*	59	0	-	0	bc	*	*	*							
	Stockholm ...	1015.4	63	ENE	2	b	1016.2	*	64	0	SE	2	b	*	*	*							
	Wisby ...	1013.5	57	NE	4	b	1014.3	*	59	-2	NNE	4	b	*	*	*							

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

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



# THE MORNING OF THURSDAY, 12<sup>TH</sup> JULY, 1917.



**EXPLANATION.**

**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**WIND.**—Direction is shown by arrows flying with the wind.

Force, on the scale 0-12, is indicated by the number of feathers. Calm.

**TEMPERATURE.**—Given in degrees Fahrenheit.

Isotherms shown by dotted lines.

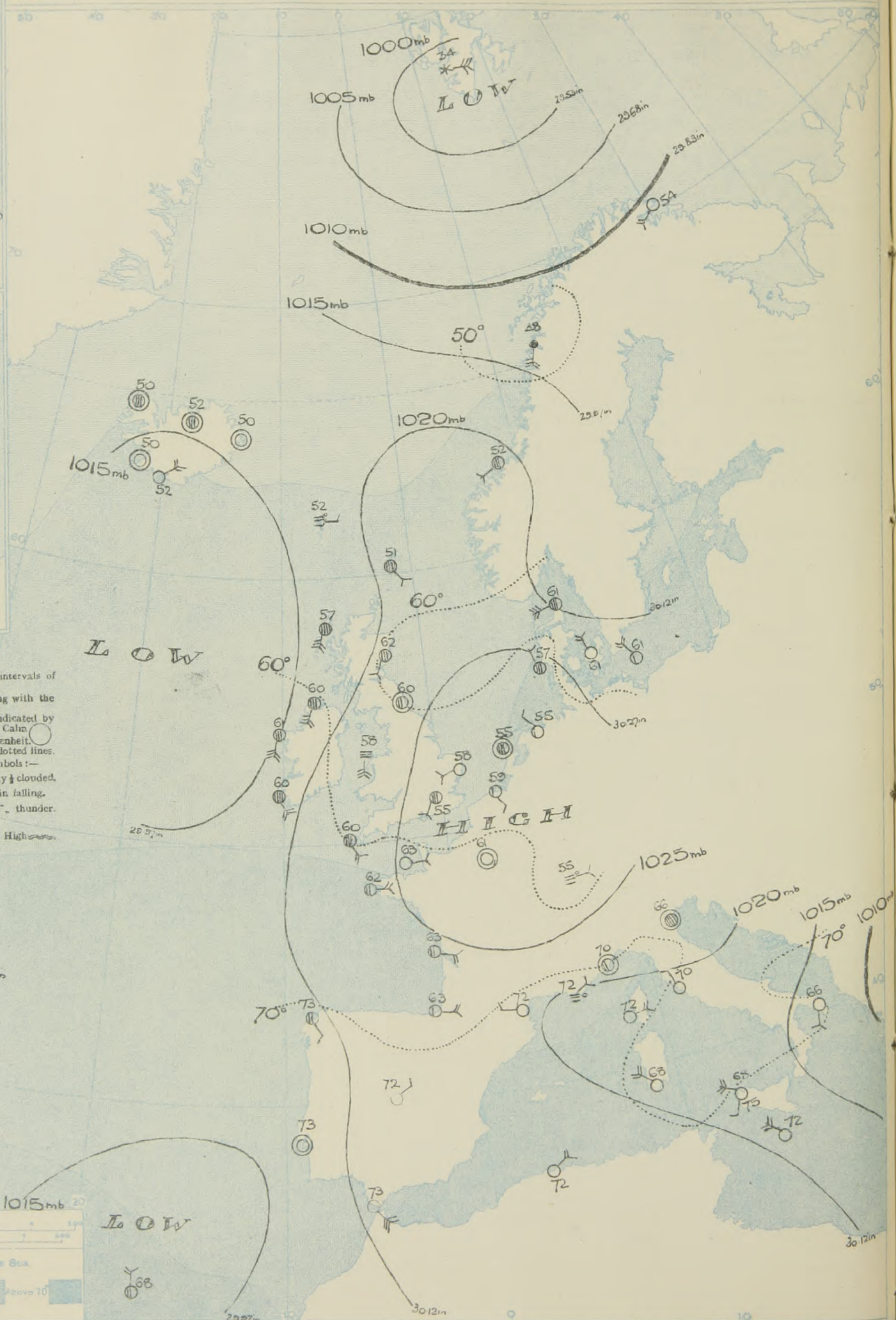
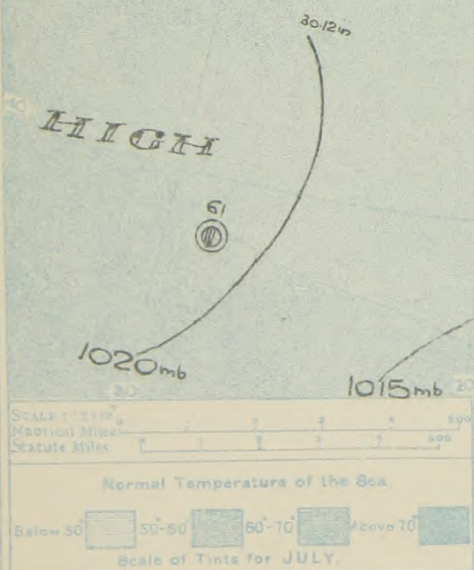
**WEATHER.**—Shown by the following symbols:—

○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded. ○ overcast sky. ● rain falling.

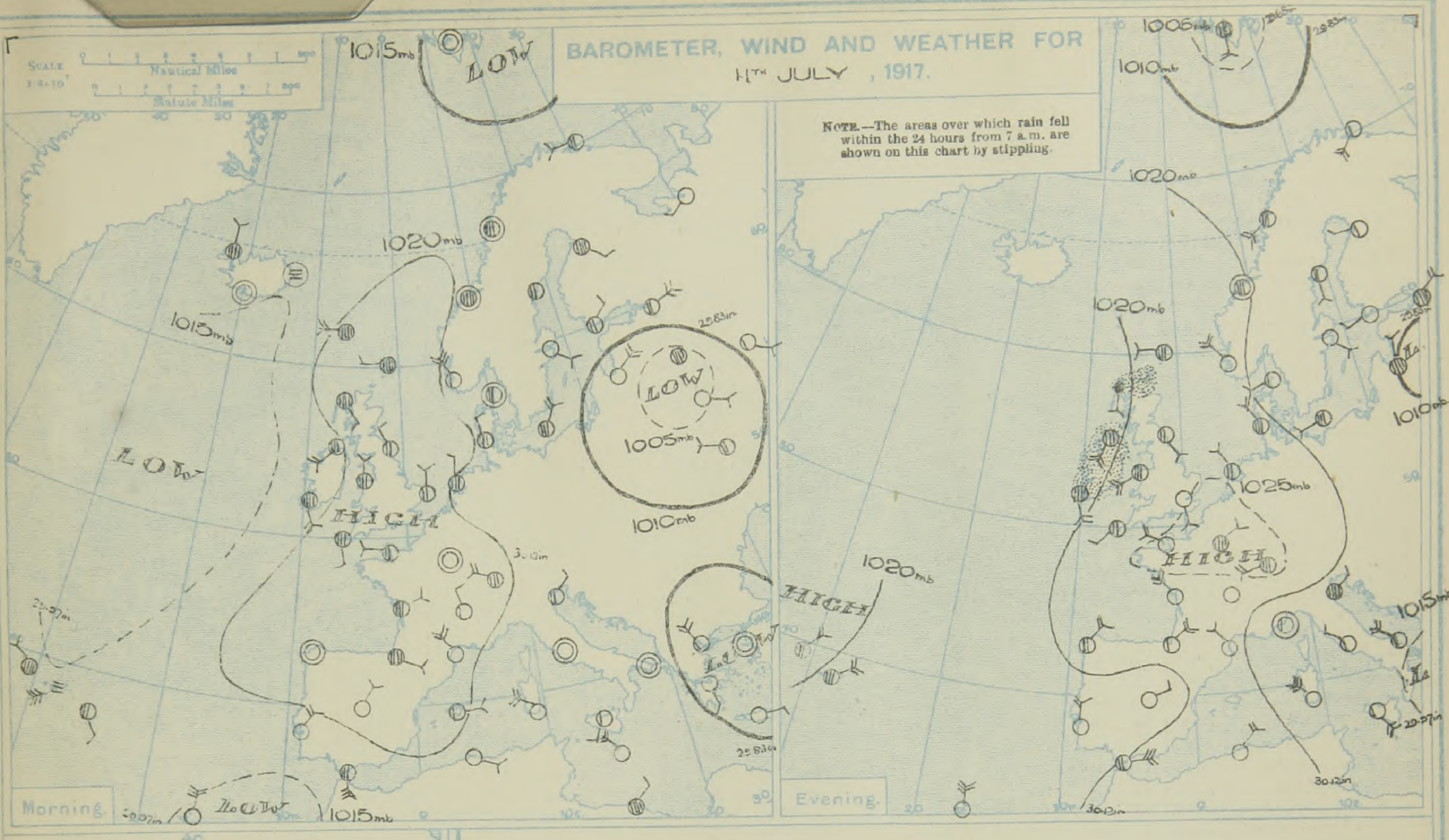
\* snow. ▲ hail. ≡ fog. ≡ mist. T. thunder.

R. thunderstorm.

**SEA DISTURBANCE.**—Rough. High.





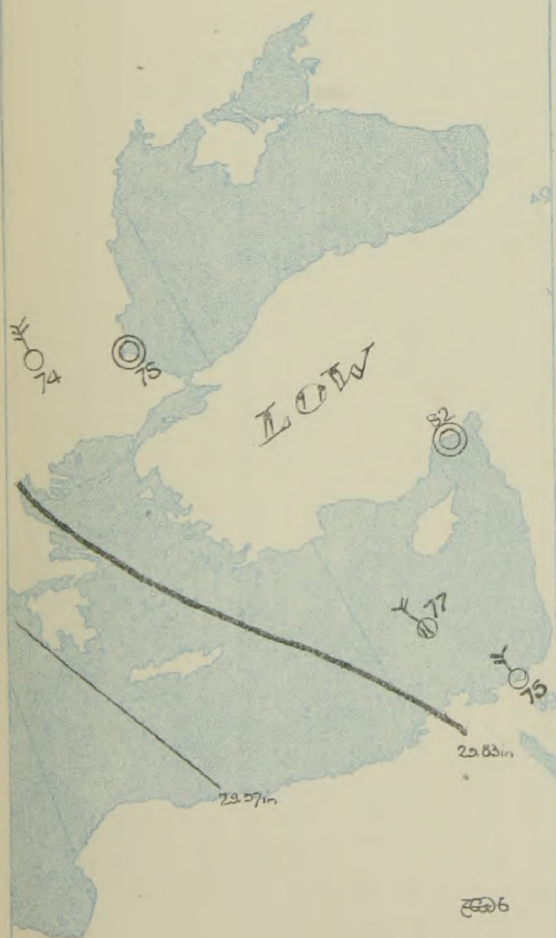


### The Present Situation

The anticyclone now covers a large area extending from beyond Shetlands to the south of France, while the depression on the Atlantic is evidently very shallow although of considerable extent. Temperature has risen over the United Kingdom and is now at least as high as the normal in our northern districts and not much below it anywhere.

### The Outlook

The anticyclone has increased slowly in intensity since yesterday and does not appear likely to disperse at present. It will probably move slowly eastward, but will maintain its influence over the North Sea and the greater part of the United Kingdom for a time. A rather marked increase of temperature is probable in most regions. Our most western districts, however, will come more under the influence of low pressure systems in the Atlantic, and cloudy or overcast skies will prevail, with rain at times.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 193

Thursday  
12th JULY

STATIONS.	EVENING OF 11h.					MORNING OF 12h.										24 HOURS ENDED 7 A.M.							Sun- shine for 11h.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	1022.3	53	W	2	c	1021.2	-1	51	+2	SE	2	-	om	2	-	55	44	a. c	c	bc. om	*	
	Deerness (Orkney)	1021.7	53	SE	3	bc	1019.3	*	53	+3	SE	3	-	f	2	1	55	53	a. c. bc. b	b. bc	bc. c. q	10.8	
	Stornoway	1019.4	53	S	2	op	1017.3	0	57	+6	S	5	-	o. q	4	6	61	51	o. bc	bc. op	op. o. q	3.5	
	Castlebay (Barra Isd.)																						
	Glasgow	1022.1	60	W	2	omd	1021.3	0	56	+9	E	1	-	omg	*	0.3	66	47	bc. c. oz	o. c. ouz	omd. op	2.7	
	Esksdalemuir	1022.1	62	W	3	o	1023.1	0	54	+4	S	3	-	odm	*		65	42	bw. bc. z	bc. z. o	oz. om	10.3	
	Malin Head	1018.2	60	SSW	4	omg	1017.1	-1	60	+4	SSW	5	6	oz	4	4	60	55	empe	emr	eq	0.2	
	Blacksod Point	1016.6	60	S	5	omg	1014.1	-2	61	+4	S	5	S	cg	5	5	61	56	omd	omd	omd. om	*	
	Valencia (Cahirciveen)	1019.1	62	SSE	4	o	1017.2	0	60	0	SE	4	-	o	3	5	66	59	or. d	od. c. o	od	0.7	
	Roche's Point	1021.6	62	SW	2	r	1021.7	*	61	0	SSE	4	-	o	4	2	67	59	om	om. r. f	odm	*	
	Birr Castle	1020.0	65	SSE	1	c	1019.3	*	62	+6	SSE	2	-	o	*	1	69	55	oz	op. c	o	1.2	
	Donaghadee	1021.5	59	SSW	3	om	1020.0	+1	58	+4	SSW	3	-	bc. m	2	-	64	53	em	om	ogm. ef	*	
	Liverpool (Bldston)	1022.9	63	W	1	bc	1024.0	0	66	+6	SE	1	-	bc	1	-	73	53	b	bc	b	10.0	
	Holyhead	1023.0	60	SW	4	cg	1022.6	0	58	+3	S	5	-	of	4	-	66	55	c. bc. c	c. o. bc. c	bc. b. o	4.5	
	Pembroke (St. Ann's)	1024.1	59	S	1	bc	1023.8	0	57	+3	SSW	2	-	f	1	0.1	61	47	c. bc	bc	bf. fw	9.6	
SCILLY ISLANDS.	Scilly (St. Mary's)	1024.4	64	SSW	1	bc	1023.0	-1	60	0	SSE	3	S	cm	4	-	66	56	bc. cm	cm. bc	bc. cm. e	10.5	
	Falmouth	1024.2	61	SW	2	b	1023.6	0	61	+6	SE	2	SE	bc	*	-	70	54	b. bc	bc. b	b. bc	11.9	
	Jersey (St. Aubin)	1025.5	65	WNW	3	b	1025.3	*	63	+5	E	2	-	b	1	-	67	52	bc	c. b	b	12.3	
	Portland Bill	1024.7	59	SW	1	bc	1025.1	0	56	+1	ESE	2	-	f	2	-	60	55	f. bc	bc. m	bc. c. q	*	
	Bungeness	1025.6	60	SW	3	b	1025.5	+1	59	+4	SSW	2	-	b	1	-	65	53	c. b	b	c. b	*	
	Dover	1025.3	58	S	2	b	1025.8	+1	59	+4	S	3	-	b	2	-	65	47	c. b	b	b	14.0	
	Wick	1021.1	53	ESE	4	bc	1018.8	0	54	+4	S	2	-	bc. m	2	1	54	50	bc	b. bc	omr. bc	*	
	Nairn	1020.1	61	-	0	og	1019.2	*	58	+9	-	0	-	cg	1	2	65	48	bc. c	bc. c	cp	10.0	
	Aberdeen	1022.0	56	S	4	o	1020.7	0	62	+9	SSW	2	-	c	2	-	62	53	b	b. bc. o	o. c	10.6	
	Leith	1021.1	60	E	1	c	1021.1	0	60	+8	NW	1	W	c	1	-	65	52	b	b. bc. c	cp. bc. c	*	
	Tynemouth	1023.4	57	SE	2	bc. m	1023.4	0	60	+10	-	0	-	bc. m	3	-	60	49	bc	bc. m	em	*	
	Spurn Head	1024.3	58	SE	4	bc	1025.2	0	51	-1	SSE	2	-	cm	2	-	62	51	bc	bc	c	5.8	
	Yarmouth (Gorleston)	1025.5	58	ESE	2	bc	1025.8	0	58	+3	WSW	2	-	b	2	-	63	51	bc. b	bc	bc. b	12.5	
	Clacton-on-Sea	1025.3	60	ESE	3	bc	1026.6	+1	60	+6	SSE	3	-	bc	2	-	66	54	bc	bc	bc. z	13.4	
	Nottingham	1023.6	69	S	2	c	1024.8	*	58	+9	SSW	1	-	bm	*	-	72	49	b	b. bc	c	11.9	
Benson (Oxon.)	1023.7	67	S	1	bc	1025.6	+2	51	-4	SSE	2	-	bc	*	?	71	50	b	bc	ome	*		
Sth Farnborough	1023.6	67	SW	3	bc	1026.4	+1	52	-2	S	2	-	om	*	-	70	50	bc	c. b. bc. z	bc. b. q. m	10.2		
London (Kew Obsy.)	1024.3	71	S	2	bc	1026.9	+1	55	0	SSW	2	S	cm	*	-	78	52	bm. bc. z	cz. bz. cz	bz. om. cm	11.4		
NORTHERN EUROPE.	Spitsbergen	1001.2	36	S	3	o	999.0	0	34	-9	ESE	5	*	S	*	*	43	32	*	*	*	*	
	Vardö	1015.4	48	SW	5	c	1011.0	-1	54	+4	SW	4	-	b	2	?	52	41	*	*	*	*	
	Bodö	1017.0	46	SW	4	c	1013.0	-3	48	-2	SSW	5	-	r	4	?	50	45	*	*	*	*	
	Christiansund	1021.4	54	-	0	c	1022.0	+1	52	0	SW	2	-	c	3	Trace	55	48	*	*	*	*	
	Skudesnaes																						
	Færder (Xtania Fjord)	1017.1	64	SSW	3	b	1019.2	+2	64	+3	SSE	2	-	c	3	-	66	61	*	*	*	*	
	The Scaw (Skagen)	1019.2	64	WSW	2	b	1020.7	+2	61	-3	WSW	5	SW	c	4	-	70	54	*	*	*	*	
	Blaavands Huk	1023.4	59	NNW	3	c	1026.8	*	57	-4	NNW	2	-	c	*	-	64	54	*	*	*	*	
Copenhagen	1019.1	68	NNW	3	c	1024.8	+3	61	0	NNW	3	-	b	*	-	72	55	*	*	*	*		
Bornholm	1018.3	63	WSW	2	c	1022.7	+2	61	0	NNW	4	-	b	1	-	66	57	*	*	*	*		
FRANCE, &c.	The Helder	1024.4	61	NW	2	bc	1027.2	+1	57	0	-	0	NW	c	0	-	64	54	*	*	*	*	
	C. Gris Nez	1025.8	63	N	1	b	1027.2	0	61	+5	SSE	2	*	b	0	-	68	50	*	*	*	*	
	La Hève	1025.0	64	NW	2	b	1026.2	*	57	+2	ESE	2	*	m	1	-	68	54	*	*	*	*	
	Brest (St. Mathieu)	1026.2	65	W	1	b	1023.8	0	62	-3	E	3	*	bc	2	-	70	57	*	*	*	*	
	Rochefort (Ile d'Aix)	1024.6	68	NW	4	b	1021.8	+1	63	+2	ESE	3	*	bc	*	-	79	59	*	*	*	*	
	Biarritz	1022.8	68	NE	4	b	1021.4	0	63	0	E	3	*	b	2	-	73	55	*	*	*	*	
	Paris	1025.4	66	NE	2	b	1027.6	+1	61	+6	-	0	-	b	*	-	70	50	*	*	*	*	
	Belfort	1025.2	61	WSW	3	c	1025.2	*	55	+4	E	2	*	m	*	-	67	51	*	*	*	*	
	Lyons																						
	Nice	1017.0	68	-	0	b	1020.3	+3	70	-	0	0	*	b	2	-	79	61	*	*	*	*	
Perpignan	1024.5	77	NW	2	b	1022.6	+1	72	+4	W	1	*	b	*	-	82	57	*	*	*	*		
Sanguinaire	1016.0	74	E	2	b	1019.8	*	72	-	E	3	*	b	4	-	84	64	*	*	*	*		
SOUTHERN STATIONS.	Corunna	1020.8	75	NNE	3	bc	1017.6	+1	73	+9	SSE	1	-	bc	1	-	77	59	*	*	*	*	
	Madrid	1016.8	84	NE	1	b	1021.6	+1	72	+6	-	0	-	b	*	-	84	64	*	*	*	*	
	Lisbon	1013.9	93	S	3	b	1016.6	+2	73	+5	-	0	-	b	2	-	95	68	*	*	*	*	
	Azores (Horta)	1018.6	*	NE	4	c	1021.5	+1	61	-7	-	0	*	c	1	2	75	61	*	*	*	*	
	Madeira	1012.3	79	N	5	b	1013.5	0	68	+2	N	3	-	bc	3	-	79	66	*	*	*	*	
	Gibraltar	1020.0	71	E	5	bc	1020.3	*	73	+2	SE	5	*	b	3	-	77	71	*	*	*	*	
	Malta		*	*	*	*	1017.5	+3	72	-3	NW	4	-	b	2	-	79	70	*	*	*	*	
	Limassol		*	*	*	*	1006.4	0	82	+1	-	0	-	b	0	-	91	66	*	*	*	*	
	Alexandria	1008.6	75	N	3	b	1009.6	0	77	0	NNW	3	N	bc	2	-	82	72	*	*	*	*	
	Cairo (Helwan)	1007.1	86	N	3	b	1008.6	+1	75	+2	N	3	-	b	*	-	93	70	*	*	*	*	
	LONDON OBSERVATIONS.	HUMIDITY.		Sun- shine for Hours.	24 HOURS ENDED 9 h.					SOUTH KENSINGTON.					Vertical Component of Solar Radiation per square Centimetre during...								
		15 h.			9 h.		TEMPERATURE.		Rain- fall.	WEATHER.			TEMPERATURE.										
		%			%		Max.	Min.		Min. on Grass.	Morn- ing.	After- noon.	Night.	Max. Rate.									
		°F.			°F.		°F.	°F.		°F.	°F.	°F.	°F.	°F.									
		°C.			°C.		°C.	°C.		°C.	°C.	°C.	°C.	°C.									
GREENWICH (Royal Observatory)		54	68	9.0	72	47	40	-	b	bc. b	b. o. c	Total.			Average Rate.	Max. Rate.							
CITY (Bunhill Row)		*	*	7.2	*	*	*	*	*	*	*	Joules.			Milliwatts.	Milliwatts.							
WESTMINSTER (St. James's Park)		60	75																				



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON THURSDAY, 12<sup>TH</sup> JULY, 1917.

Temperature rose to 70° and above in many parts of Britain, touching 76° in London and as far north as Nairn. The minimum readings of the night were higher than of late; in central Ireland the lowest value was 60°. Much bright sunshine was recorded in England, but little in Ireland and Scotland; in the West of Ireland rain was experienced.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR THURSDAY, 12<sup>TH</sup> JULY UP TO 17 H.

STATIONS.	Sun- shine for 11 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 12 <sup>TH</sup>	STATIONS.	Sun- shine for 11 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 12 <sup>TH</sup>
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.						Mm.	Mm.	° F.	° F.			
Scotland.	Oban ...	2.2	4	68	43	o.bc	o	2.9	England, E.	Lowestoft ...	12.0	-	65	52	b.bc	bc.c	11.0
	Banff ...	8.0	Trace	71	53	o.c	ou.c	1.7		Felixstowe ...	14.1	-	68	55	b.bc	b	11.0
	Montrose ...	9.6	-	72	61	bc	b	6.1		Walton-on-Naze ...	13.0	-	65	57	b.b	b.bc.b	10.9
	St. Andrews ...	7.9	-	73	53	b	c	5.7		Southend-on-Sea ...	10.9	-	74	52	b	b	9.6
	Carnoustie ...	*	*	74	57	bc.c	c.og.b	6.2									
Eng. N.E.	Hartgate ...	12.1	-	75	47	b.bc.b	b.bc	4.7	England, S.E.	Margate ...	12.1	-	71	51	b	b	11.6
	Skegness ...	12.5	-	74	54	bc	b	9.9		Hastings ...	12.7	-	69	52	b	b	12.0
Eng. N.W.	Morecambe ...	11.3	-	70	49			8.5		Eastbourne ...	12.2	-	66	48	b	b	11.9
	Southport ...	9.8	-	74	48	c.bc.c	o.bc.bc	6.8		Seaford ...		-	66	57	b	b	9.0
Midlands.										Brighton ...	10.2	-	67	53	bc	bc	8.6
	Leamington Spa ...								England, S.W.	Worthing ...	11.2	-	67	53			
	Malvern ...									Littlehampton ...		-	68	55	o.bc	b	8.0
	Ross-on-Wye ...	10.5	-	74	45	b	b	9.1		Bournemouth ...	9.1	-	68	55	o.bc	b	8.0
										Weymouth ...	*	*	68	55	ome.c.b	b.bcy	6.0
Wales.	Rhyl ...	8.2	-	69	49	bc	bc	6.1		Torquay ...	11.8	-	68	55	om.b	b.bc	6.8
	Colwyn Bay ...	*	-	73	55	bc	b	7.7	England, S.W.	Paignton ...		-	68	59	b.bc	bc	9.0
	Llandudno ...	*	-	70	52	c	c	7.0		Penzance ...	11.8	-	70	53	b	b	8.3
	Aberystwyth ...	*	-	74	50	o.c	b.bc	7.5		Newquay ...	10.6	-	69	53	b	b	9.4
										Bude ...	*	-	74	54	b	b	9.3
										Ilfracombe ...		-	73	51	c.bc	b	7.3

REPORTS FROM FOREIGN STATIONS FOR THURSDAY, 12<sup>TH</sup> JULY.

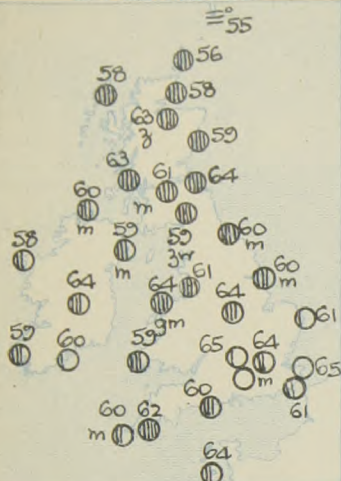
STATIONS.		EVENING OF 11 <sup>TH</sup>					MORNING OF 12 <sup>TH</sup>										MORNING OF 12 <sup>TH</sup>								
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.			
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours.	Direc.		Force 0-12.		
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1014.4	61	N	3	bc	1012.8	+2	59	-2	NE	2	c	-	° F	° F	52	Isafjord ... Reykjavik Vestmanna Seydisfjord Thorshavn	1016.7	50	+4	-	0	c	
	Gorki ...																		1014.0	50	-2	-	0	b	
	Veliaki Luki ...																								
	Hangö ...	1014.7	63	-	0	b	1018.3		52	-7	-	0	b	-	° F	° F	52		1014.6	52	+4	NE	4	b	
	Riga ...	1010.0	61	NNE	2	o	1018.0	+3	63	+6	N	2	b	1	° F	° F	55		1016.0	50	+5	-	0	b	
	Petrograd ...	1010.1	63	NE	4	c	1012.3	+3	61	-2	N	3	b	-	° F	° F	54								
	Moscow ...						1012.3	+2	66	+2	SSW	2	b	1	° F	° F	59		1018.9	52	-1	E	1	b	
	Kiev ...	1011.9	?	NW	2	f	1015.3	+3	61	-3	SW	2	o	-	° F	° F	54								
	Kharkov ...														° F	° F									
	Kishinev ...														° F	° F									
	Elisabetgrad ...														° F	° F									
MEDITERRANEAN.	Nicolaiev ...														° F	° F		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
	Odessa ...														° F	° F									
	Tarkhankout...														° F	° F		13 <sup>TH</sup> AND 14 <sup>TH</sup> JULY, 1917.							
	Soukhoum ...														° F	° F									
	Venice ...	1018.1	64	NE	1	o	1021.4	*	66	0	-	0	o	19	77	59	Yarmouth ...	G.M.T.	G.M.T.	G.M.T.	Sunrise.	Noon.	Sunset.		
	Pesaro ...	1017.7	72	N	2	b	1021.4	*	61	-7	W	2	o	10	75	59									
	Rome ...	1016.2	72	NW	1	b	1018.6	*	70	0	N	1	b	2	79	61	Greenwich ...	3.46	11.58	8.11	3.47	11.59	8.10		
	Viesti ...	1012.2	68	NW	4	bc	1016.5	*	73	-	NW	3	b	1	79	66									
Brindisi ...	1012.2	66	NE	1	o	1012.1	*	66	-7	SSW	2	b	5	77	66	Wick ...	3.59	12.5	8.12	4.0	12.6	8.11			
Cagliari ...	1013.9	75	NW	6	b	1019.0	*	68	0	NW	4	b	?	82	57										
Palermo ...	1016.2	70	SSE	4	b	1018.6	*	75	-2	SSW	1	b	20	81	61	Valencia ...	3.27	12.17	9.8	3.29	12.18	9.6			
Tripoli ...																									
Algiers ...																									
SWEDEN.	Hernösand ...	1017.2	57	S	2	bc	1019.8	*	55	-4	-	0	bc	*	° F	° F	*		4.37	12.46	8.56	4.38	12.47	8.55	
	Stockholm ...	1016.3	68	SE	2	b	1019.8	*	68	+4	-	0	b	*	° F	° F	*								
	Wisby ...	1016.8	59	NW	4	b	1020.3	*	64	+5	WSW	2	b	*	° F	° F	*								

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

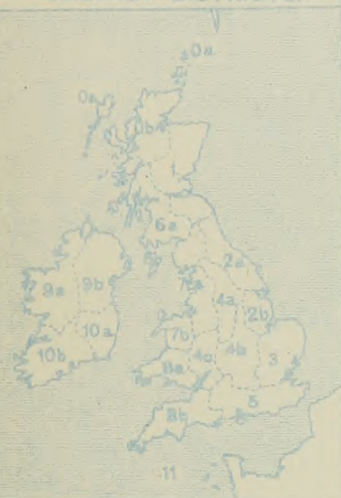
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TEMPERATURE, WEATHER AND  
SEA DISTURBANCE



FORECAST DISTRICTS



EXPLANATION.

**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**WIND.**—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm.

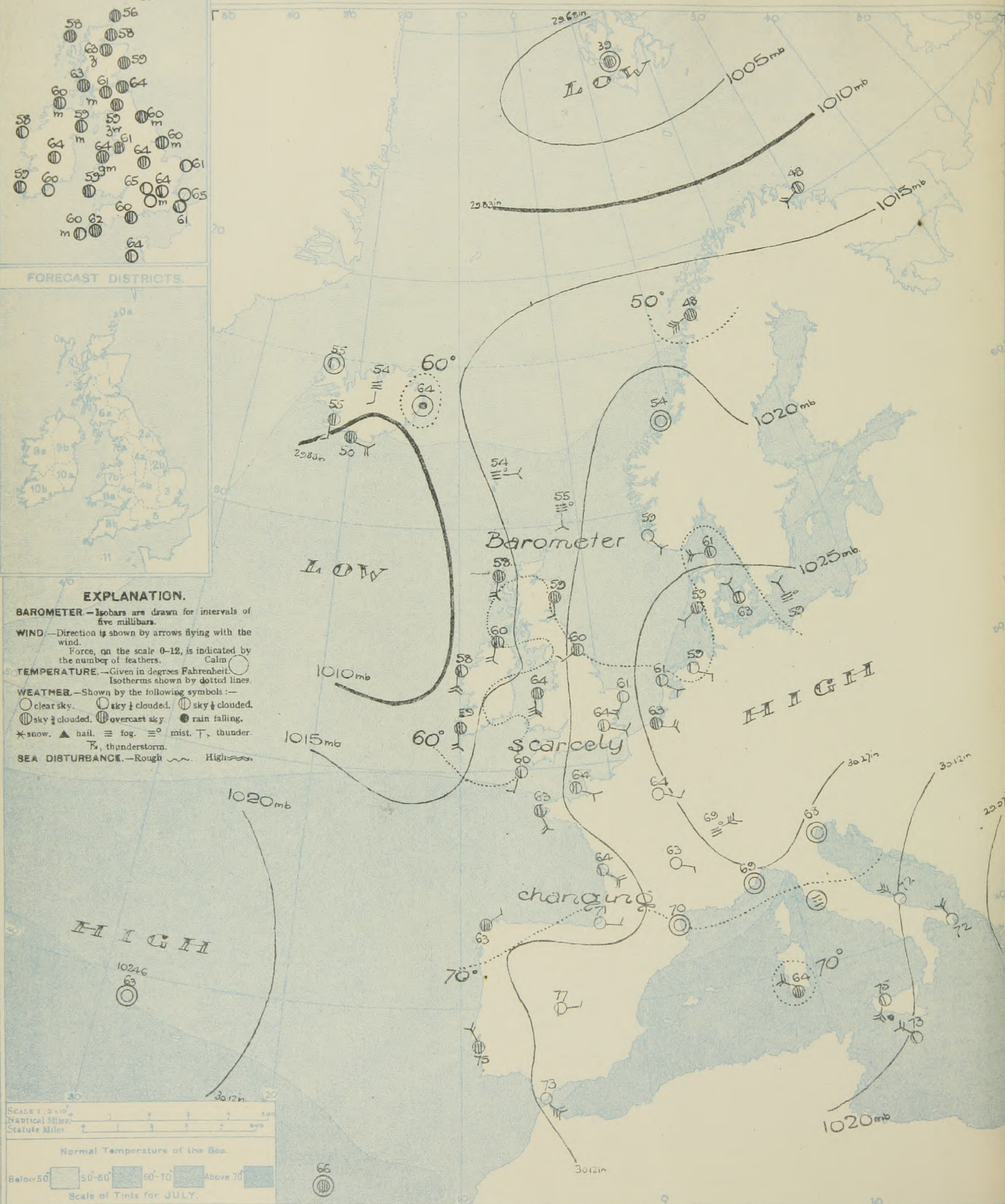
**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

**WEATHER.**—Shown by the following symbols:—

○ clear sky. ○ sky & clouded. ○ sky & clouded. ○ sky & clouded. ○ rain falling. \* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder. T, thunderstorm.

**SEA DISTURBANCE.**—Rough. High.

THE MORNING OF FRIDAY, 13<sup>TH</sup> JULY, 1917.



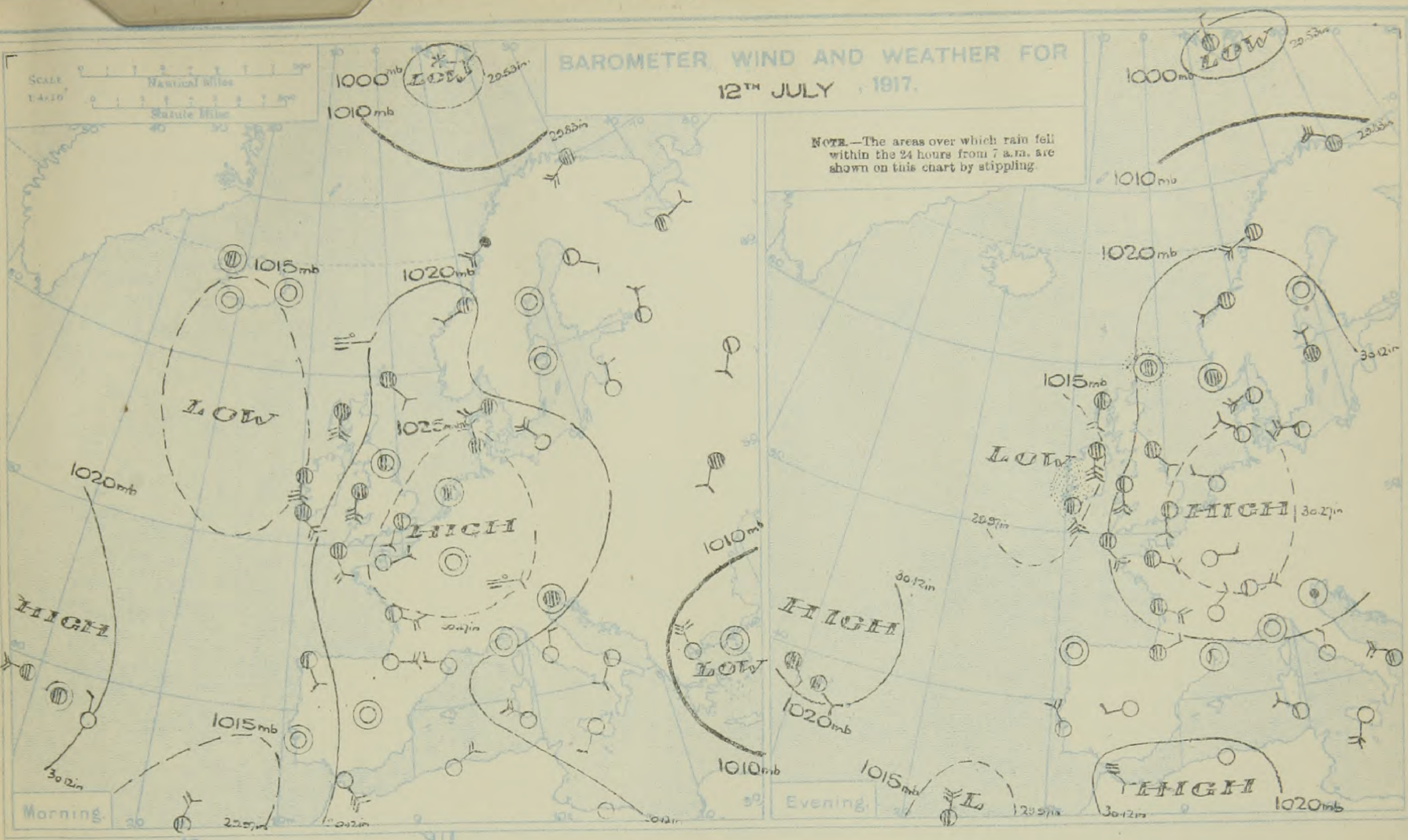
SCALE 1:250,000  
Nautical Miles  
Statute Miles

Normal Temperature of the Sea.

Below 50° 50°-60° 60°-70° Above 70°

Scale of Tints for JULY.



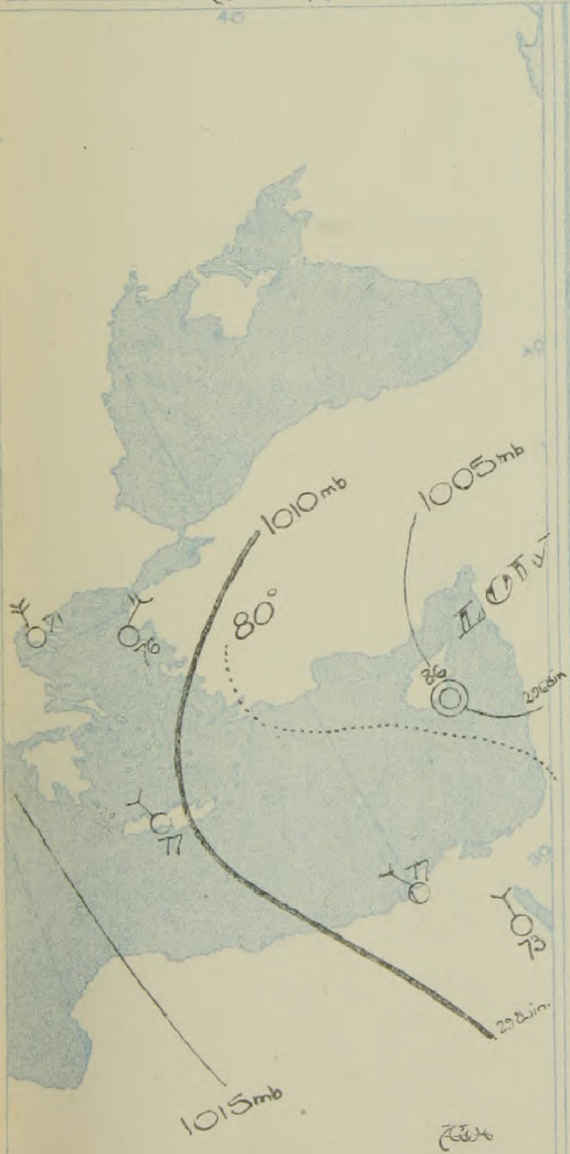


### The Present Situation

The high pressure system has moved slightly eastward since yesterday, while the low pressure over the north-eastern portion of the Atlantic has encroached further on our western districts. The actual changes in the barometer are at present very slight, but in most localities there appears to be a downward tendency. Temperature has again risen in England and the adjacent part of the Continent.

### The Outlook

The changes in pressure are very slight and no immediate modifications can be expected either in the wind current or the general character of the weather. Finally, however, it is probable that the pressure systems will move in an easterly direction, with the result that the weather will become less settled over the United Kingdom and the Southerly wind current more decided.





STATIONS.	EVENING OF 12 <sup>th</sup>					MORNING OF 13 <sup>th</sup>										24 HOURS ENDED 7 A.M.						Sun- shine for 12 <sup>th</sup> Hours.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 5 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1020.6	56	—	0	cm	1016.3	—1	55	+4	S	2	—	m	2	0.3	59	51	o.bem	bemp	c.ome	*
	Deerness (Orkney)	1019.3	59	SE	2	0	1016.9	*	56	+3	S	4	SW	0	3	—	59	53	f.o.c	c.o	o.e.b.be	1.7
	Stornoway	1017.5	60	S	3	02	1015.8	—1	58	+1	S	3	—	0	3	—	62	55	ozq	a.cq	c.o	0.1
	Castlebay (Barra Isd.)																					
	Glasgow	1020.6	67	S	3	bc	1017.0	—2	61	+5	SE	3	—	om	*	—	68	55	om	oz.e.be	bc.e.om	1.3
	Esksdalemuir	1021.6	64	SSW	3	02	1018.3	—2	59	+5	SW	1	SW	02w	*	1	65	49	adm	om.oz	02	2.9
	Malin Head	1013.8	64	S	6	cq	1012.0	0	60	0	S	3	SW	cm	3	—	69	58	cg	cq	cmq	1.0
	Blacksod Point	1012.3	61	S	5	cp	1010.6	0	58	—3	S	4	S	bc	4	—	65	56	c	cq	omp.be	*
	Valencia (Cahireveen)	1013.5	63	SSE	5	0	1013.1	0	59	—1	S	3	SW	c	3	—	65	56	0	o.ez.o	o.or.o.c	1.0
	Roche's Point	1017.2	63	S	3	0	1015.3	*	60	—1	SW	1	SW	b	3	0.3	65	57	o.c	om	opdm.b	*
	Birr Castle	1016.5	65	SSE	2	c	1015.1	*	64	+2	SE	2	—	c	*	—	68	60	o	o.c	c	1.2
	Donaghadee	1018.7	62	S	5	m	1014.7	—1	59	+1	SSE	2	S	cm	1	—	65	54	cmq	cmq	ogm.cm	*
	Liverpool (Bidston)	1021.2	72	S	1	b	1018.2	—1	61	—5	ESE	3	E	0	2	—	75	60	b.be	bc	c	9.4
	Holyhead	1020.6	63	S	4	bez	1016.0	0	64	+6	S	5	—	omg	4	—	69	58	of	c.be	b.c.o	5.5
	Pembroke (St. Ann's)	1021.8	62	SE	3	c	1016.7	?	59	+2	SSE	3	S	c	3	—	65	56	bc	bc.c	e.o.c	9.0
	Scilly (St. Mary's)	1019.9	62	SSE	4	c	1016.9	+1	60	0	SSW	1	SW	bcm	4	—	66	56	em.be	bc.em	emf.be	8.3
	Falmouth	1021.1	63	SE	2	cz	1017.0	0	62	+1	SSE	2	—	0	*	—	66	59	bc.b	b.be	cz.o	8.2
	Jersey (St. Aubin)	1022.8	63	ESE	2	c	1020.4	*	64	+1	ESE	2	SE	bc	1	—	73	61	b	bc	o.be	10.2
	Portland Bill	1023.8	60	E	3	b	1019.8	—2	60	+4	SSE	4	—	c	3	—	61	55	f.b.be	b.be	bc	*
	Dungeness	1025.4	64	E	2	b	1023.3	—1	61	+2	S	4	S	bc	4	—	67	58	bc	bc	bc	*
	Dover	1026.6	65	SE	2	b	1025.5	0	65	+6	S	3	S	b	2	—	70	58	b	b	b	12.7
	Wick	1018.9	61	SSW	1	0	1016.9	+1	58	+4	SSW	2	—	0	2	—	61	53	bc.ong	omg.bc	omg	*
	Nairn	1017.8	70	—	0	c	1016.5	*	63	+5	—	0	—	02	0	—	76	57	b.bez	bez.c	cz	5.8
	Aberdeen	1020.4	67	SSW	3	b	1019.3	0	59	—3	S	1	—	0	2	—	73	54	c	c.o.be.b	bc.o	3.7
Leith	1019.8	71	SW	1	c	1017.0	—1	64	+4	S	2	—	0	1	—	73	52	c.o.e.be	b	c.bez.o	*	
Tynemouth	1023.3	62	SE	2	cm	1020.4	0	60	0	SW	1	—	om	2	—	71	57	bem	em	om	*	
Spurn Head	1023.9	63	SSE	4	bcm	1022.9	—1	60	—9	SSE	3	—	cm	3	—	74	57	em	bcm	bc	6.6	
Yarmouth (Gorleston)	1025.5	62	S	4	bc	1024.6	0	61	+3	SSW	3	—	b	3	—	64	58	b	b.be	b	11.8	
Clacton-on-Sea	1025.6	63	ESE	4	bc	1023.7	0	63	+3	SSE	3	E	bc	3	—	66	59	bez	bez	bcz	13.6	
Nottingham	1023.3	72	SW	2	b	1021.4	*	64	+6	S	1	S	c	*	—	76	54	b.be	c.be	bc.c	10.8	
Benson (Oxon.)	1023.2	70	S	2	b	1020.7	0	65	+4	SSE	4	SW	b	*	—	73	52	bc	bc	bm	*	
St. Farnborough	1023.8	70	SSE	2	bc	1021.9	?	64	+2	SSE	2	W	c	*	—	73	52	m.o.bez	bc.c.be	bc.cz	9.3	
London (Kew Obsy.)	1024.4	75	S	2	bc	1022.7	0	64	—1	ESE	2	SW	bcm	*	—	76	55	om.c	c.b.be	bc.bcm	12.4	
NORTHERN EUROPE.	Spitsbergen	999.7	41	N	1	c	1000.6	+1	39	+5	SSE	2	*	0	*	*	41	32	GALES. Duration and Extreme Force in British Islands.			
	Vardö	1010.3	46	NW	5	0	1012.6	0	48	—6	SW	3	—	c	3	?	55	45				
	Bodö	1017.1	46	SW	4	c	1017.3	0	48	0	SW	6	—	0	4	?	48	43				
	Christiansund	1024.3	54	SW	2	c	1024.2	0	54	+2	—	0	—	b	3	Trace	54	45				
	Skudesnaes	1024.2	55	—	0	0	1024.2	0	59	—	SE	2	—	b	2	—	57	50				
	Færder (Xianla Fjord)	1013.9	64	S	2	b	1023.8	+3	59	—5	NE	2	—	0	2	—	64	57				
	The Scaw (Skagen)	1022.0	61	WSW	4	b	1023.8	+1	61	0	W	4	W	bc	4	—	63	55				
	Blaavands Huk	1027.0	61	WNW	2	b	1027.3	?	59	+2	SW	2	—	c	*	—	64	54				
	Copenhagen	1025.1	64	NW	3	bc	1026.4	+1	63	+2	NNW	2	—	bc	*	—	68	55				
	Bornholm	1024.3	61	W	4	b	1025.6	+1	59	—2	NNW	2	—	m	0	—	66	55				
FRANCE, &c.	The Helder	1027.4	63	WNW	1	b	1026.1	0	61	+4	SE	2	NW	b	0	—	63	54				
	C. Gris Nez	1025.3	65	NE	2	b	1024.0	0	67	+6	SSE	3	*	c	2	—	73	59				
	La Hève	1023.8	64	NE	2	m	1023.3	*	61	+4	ESE	4	*	bc	2	—	72	57				
	Brest (St. Mathieu)	1020.3	68	SSE	4	0	1018.4	0	63	+1	SSE	3	*	0	3	—	73	63				
	Rochefort (Ile d'Aix)	1021.0	77	ESE	4	c	1019.1	0	64	+1	SE	4	*	b	*	—	82	57				
	Biarritz	1017.3	80	ENE	3	c	1017.2	0	71	+8	ESE	1	*	b	0	—	84	63				
	Paris	1025.6	70	E	1	b	1024.3	0	64	+3	ESE	1	W	b	*	—	75	55				
	Belfort	1027.1	64	E	3	b	1028.3	*	59	—4	E	5	*	m	*	—	71	50				
	Lyons	1024.2	70	—	0	b	1024.2	*	63	—	—	0	*	b	*	—	74	53				
	Nice	1020.6	70	—	0	b	1024.3	+2	69	—1	—	0	*	b	2	—	77	59				
SOUTHERN STATIONS.	Perpignan	1021.7	77	—	0	b	1023.0	+2	70	—2	—	0	—	b	*	—	81	54				
	Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—	*	*				
	Corunna	1019.0	73	NNE	3	b	1019.4	+1	63	—10	—	0	—	0	1	—	88	63				
	Madrid	1016.7	90	WSW	1	b	1020.6	+2	77	+5	E	1	—	0	*	—	91	66				
	Lisbon	1015.3	91	NW	3	b	1016.2	0	75	+2	NNW	3	—	c	*	—	95	73				
	Azores (Horta)	1022.7	*	ESE	2	c	1024.6	+1	63	+2	—	0	*	b	1	—	73	61				
	Madeira	1013.2	75	N	5	bc	1016.4	0	66	—2	—	0	—	0	1	—	79	64				
	Gibraltar	1021.0	72	SE	2	m	1021.3	*	73	0	SE	5	*	b	3	—	79	71				
	Malta	*	*	*	*	*	1020.0	+3	73	+3	NNW	3	—	b	2	—	77	72				
	Limassol	*	*	*	*	*	1005.0	+2	86	+4	—	0	—	b	0	—	97	61				
	Alexandria	1009.9	75	N	2	b	1008.7	0	77	0	NNW	2	NW	b	1	—	84	73				
	Cairo (Helwan)	1008.2	84	N	3	b	1008.2	+3	73	—2	N	2	—	b	*	—	97	70				
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 12 <sup>th</sup>	24 HOURS ENDED 9 h. 13 <sup>th</sup>					SOUTH KENSINGTON.												
		15 h.	9 h.		TEMPERATURE.			Rain- fall.	Weather.	Vertical Component of Solar Radiation per square Centimetre during 12 <sup>th</sup>			Total.	Average Rate.	Max. Rate.							
		12 <sup>th</sup>	13 <sup>th</sup>	Hours.	°F.	°F.	°F.			Morn- ing.	After- noon.	Night.										
GREENWICH (Royal Observatory)		44	53	12.8	79	55	42	mm.	—	b	b	c.o.c										
CITY (Bunhill Row)		*	*	11.3	*	*	*	*	*	*	*	*										
WESTMINSTER (St. James's Park)		50	60	12.4	75	60	55	—	—	b	b	bc										
CAMDEN SQ. (British Rainfall)		44	51	10.7	79	57	54	—	—	b.be	bc.b	*										
HAMPSTEAD (Reservoir)		*	53	11.4	73	58	44	—	—	bcz	bc	bc										
S. KENSINGTON (Museum Grounds)		*	53	11.7	75	61	50	—	—	bc	b.be	bc.b.be										
		The thermometers at Greenwich and Camden Square are in Glaisher screens.																				



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Friday, 13<sup>th</sup> JULY, 1917.

Temperature rose to 75° or above in many parts of the Kingdom, the highest reading reported being 80° at Nottingham. The minima of the night were also high - a little above 60° in several English localities. Bright sunshine was fairly abundant in England and Ireland, but in Scotland there was much cloud. Thunderstorms were experienced during the evening or night at some stations in the South-east and East of England, and in the North-east of Scotland.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Friday, 13<sup>th</sup> JULY, UP TO 17 H.

STATIONS.	Sun- shine for 12h	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 12h	STATIONS.	Sun- shine for 12h	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 12h
		Night.	Day.	Max.	Min.	Forenoon.	Afternoon.				Night.	Day.	Max.	Min.	Forenoon.	Afternoon.	
		17h-9h.	9h-17h.	° F.	° F.						17h-9h.	9h-17h.	° F.	° F.			
Scotland.									England, E.								
Oban ...	3.7	-	-	70	48	o	bc	4.9	Lowestoft ...	12.0	-	-	68	56	bc.c.bc	bc.e	10.0
Banff ...	3.4	-	-	70	58	o.e	c.bc	2.0	Felixstowe ...	12.5	-	-	70	60	bc	bc	10.6
Montrose ...	6.1	-	-	65	56	o	bc	2.3	Walton-on-Naze ...	12.5	-	-	66	61	b.bx.b	b.bx	6.4
St. Andrews ...	6.0	-	-	74	53	o	c	2.3	Southend-on-Sea ...	11.8	-	-	78	67	bc.b	b	9.0
Carnoustie ...	-	-	-	63	57	o.bc	c.oz	2.6									
England, N.E.									England, S.E.								
Harrogate ...	4.7	-	-	78	56	bc.c	b.bc	6.6	Margate ...	12.8	-	-	76	59	b	b	10.0
Skegness ...	11.5	-	-	74	58	b	b	7.6	Hastings ...		-	-	68	58	b.bc	b.bc.o	8.6
									Eastbourne ...	13.2	-	-	77	57	b	bc	9.2
England, N.W.									Seaford ...	10.6	-	-	74	57	c	c	8.2
Morecambe ...	8.5	-	-	79	49	-	-	5.7	Brighton ...	10.0	-	-	71	57	bc	bc	8.6
Southport ...	7.2	-	-	79	59	o.c.bc	c.o.bc.o	4.8	Worthing ...		-	-					
									Littlehampton ...		-	-					
Midlands.									Bognor ...		-	-					
Leamington Spa ...		-	-	76	58	bc	bc	8.0	Bournemouth ...	8.6	-	-	69	58	o.c	b.bc	8.0
Malvern ...		-	-	77	55	c.bc	bc.b	6.1									
Ross-on-Wye ...	10.3	-	-						Weymouth ...	*	*	*	70	58	bcz	bcz	8.0
									Torquay ...		-	-	71	60	b	c	7.9
Wales.									Paignton ...		-	-	71	61	c	bc.o	2.8
Rhyl ...	6.6	-	-	72	60	o.c	bc.c	4.4	Penzance ...	9.2	-	-	67	58	o.bc.b	b.bc.b	2.6
Colwyn Bay ...	*	*	*	77	61	c	bc	5.9	Newquay ...	8.3	-	-					
Llandudno ...	*	*	*	76	62	c	c.b	4.8	Bude ...		-	-	72	59	b	b	7.1
Aberystwyth ...	*	*	*	71	61	o.c	bc.c	6.0	Ilfracombe ...	10.1	-	-	75	56	bc.b	b.bc.c	7.5
									Weston-s-Mare ...	8.3	-	-					

REPORTS FROM FOREIGN STATIONS FOR Friday, 13<sup>th</sup> JULY.

STATIONS.	EVENING OF 12h				MORNING OF 13h				MORNING OF 13h			
	Barom.	Temp.	Wind.	Weather.	Barom.	Temp.	Wind.	Weather.	Barom.	Temp.	Wind.	Weather.
	Millibars at M.S.L.	° F.	Dir.	Force 0-12.	Millibars at M.S.L.	° F.	Dir.	Force 0-12.	Millibars at M.S.L.	° F.	Dir.	Force 0-12.
RUSSIA 7 a.m. and 9 p.m. Local Time.												
Archangel ...	1016.0	63	-	0	c							
Gorki ...	1016.0	63	-	0	c							
Velieki Luki ...	1021.1	63	S	2	b	1023.4	59	+7	-	0	b	-
Hangö ...	1018.1	66	NNE	1	b	1022.1	63	0	NNE	1	c	5
Petrograd ...	1016.4	68	N	1	b	1018.1	66	+5	NE	1	b	-
Moscow ...	1012.6	66	N	4	o	1016.7	63	-3	-	0	o	-
Kiev ...	1010.0	77	SE	1	b							
Kharkov ...												
Kishinev ...												
Elisabetgrad ...	1011.8	75	N	2	b	1005.7	72		N	2	bc	-
Nicolaiev ...	1006.7	77	W	2	b	1006.7	72		WNW	2	b	-
Odessa ...						1008.3	66		NNW	4	b	-
Tarkhankout ...												
Soukhom ...												
MEDITERRANEAN.												
Venice ...	1023.3	70	-	0	r	1024.3	68	+2	-	0	b	Trace
Pesaro ...	1023.1	68	-	0	b	1024.5	68	+7	-	0	b	q
Rome ...	1018.2	73	-	0	b	1022.7	72	+2	-	0	f	10
Viesti ...	?	82	?	?	?	1013.1	72	+1	NNW	5	b	-
Brindisi ...	1016.2	93	NW	4	bc	1017.3	72	+6	N	3	b	-
Cagliari ...	1018.6	77	WNW	2	b	1022.7	64	+4	NW	4	b	-
Palermo ...	1019.7	73	SSW	4	b	1020.9	75	+1	SSW	4	bc	-
Tripoli ...						1022.6	75		NW	1	b	-
Algiers ...	1021.3	72	NE	3	b	1021.9	72		NE	3	b	-
SWEDEN.												
Hernösand ...	1020.2	64	-	0	b	1024.0	59	+4	-	0	b	*
Stockholm ...	1020.7	68	N	2	o	1024.0	68	0	WNW	2	b	*
Wisby ...	1021.3	57	W	2	b	1023.4	64	0	N	2	b	*
ICELAND.												
Isafjord ...	1012.8	55	+5	-	o	b						
Reykjavik ...	1013.0	55	+5	SSW	1	c						
Vestmanna ...	1009.6	59	+7	ESE	3	o						
Seydisfjord ...	1013.5	64	+14	-	o	r						
Thorshavn ...	1015.8	54	+2	E	2	m						
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM												
14 <sup>th</sup> AND 15 <sup>th</sup> JULY 1917.												
		Sunrise.	Noon.	Sunset.								
	G.M.T.	G.M.T.	G.M.T.									
Yarmouth ...	3.47	11.59	8.10									
Greenwich ...	4.0	12.6	8.11									
Wick ...	3.29	12.18	8.6									
Valencia ...	4.38	12.47	8.55									

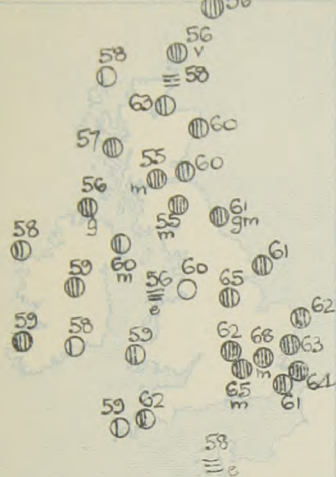
NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; l, lightning; m, mist; o, overcast sky; p, passing showers; q, squalls; r, rain;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

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# THE MORNING OF SATURDAY, 14<sup>TH</sup> JULY, 1917.

TEMPERATURE, WEATHER AND  
SEA DISTURBANCE



FORECAST DISTRICTS.



## EXPLANATION.

**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**WIND.**—Direction is shown by arrows flying with the wind.

Force, on the scale 0-12, is indicated by the number of feathers. Calm.

**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

**WEATHER.**—Shown by the following symbols:—

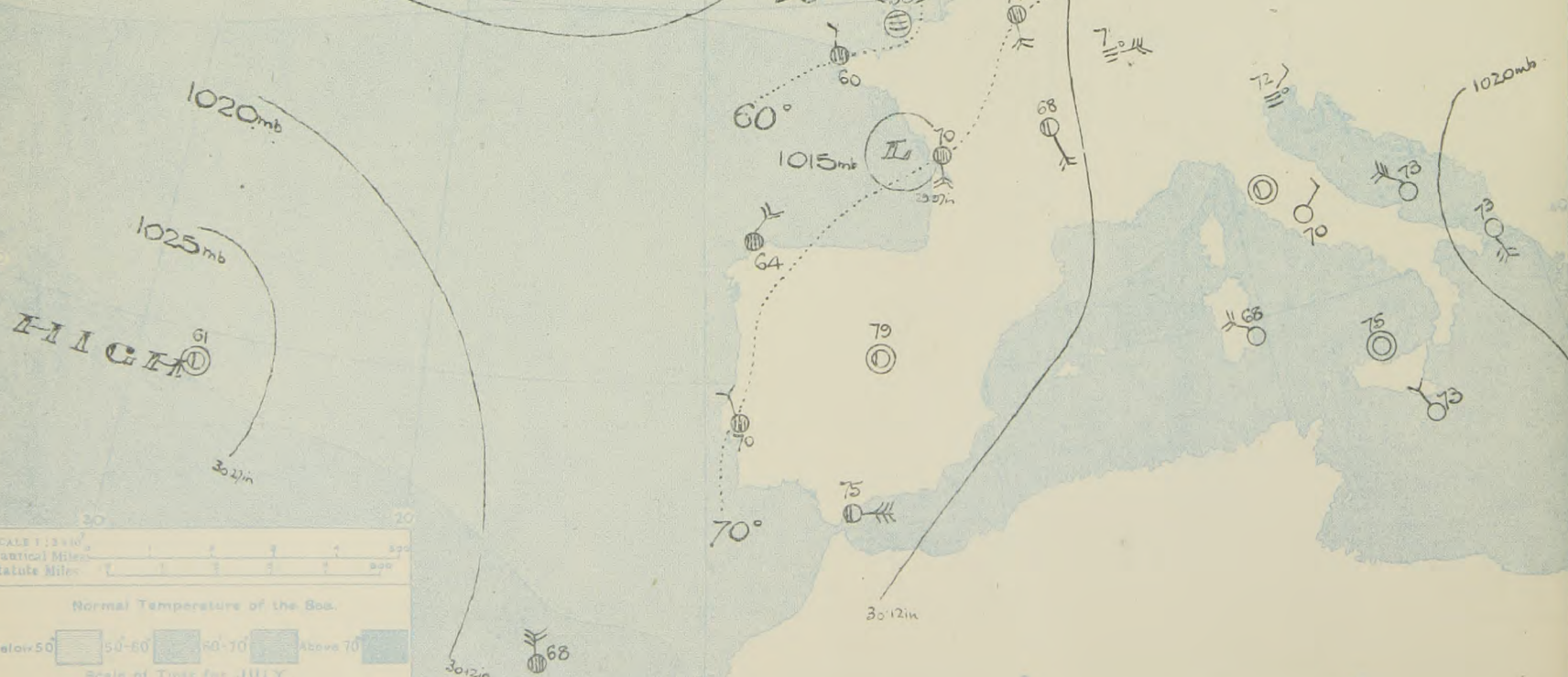
○ clear sky. ○ sky 1/4 clouded. ○ sky 1/2 clouded.

○ sky 3/4 clouded. ○ overcast sky. ● rain falling.

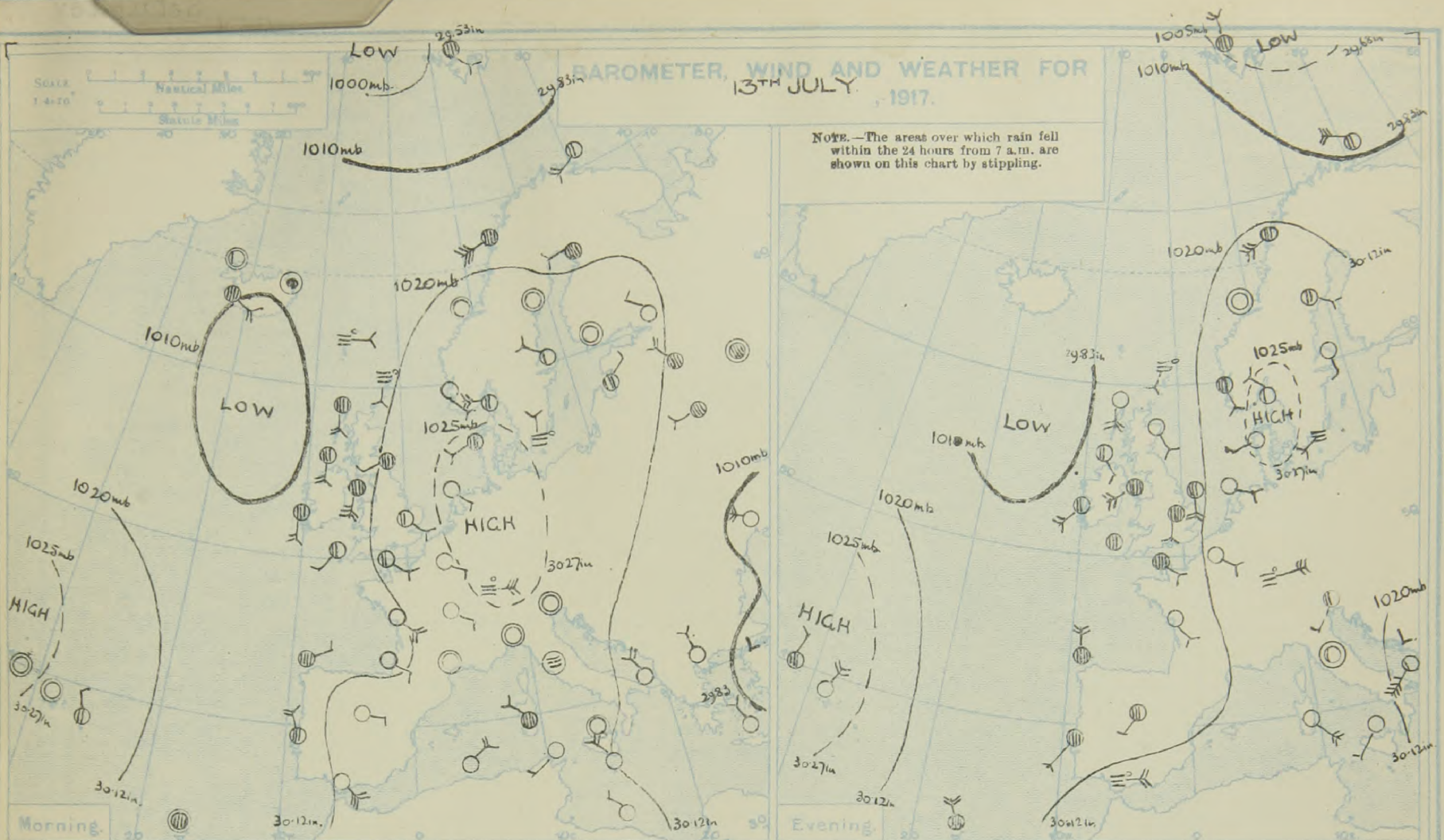
\* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.

K, thunderstorm.

**SEA DISTURBANCE.**—Rough. High.







### The Present Situation

Both the low pressure system on the Atlantic and the anticyclone to the Eastward of the British Isles have moved slowly eastward since yesterday, and the relative distribution of pressure has consequently changed little. Some modification has, however, been brought about over England by a small, shallow depression which developed over Cornwall yesterday and now lies over the Southern and South-eastern counties.

### The Outlook

It appears probable that the high and low pressure systems will continue to move slowly in an easterly direction, and that a less fair type of weather, with some increase in the force of the S. to SW. wind, will be experienced over these Islands. The small depression in the South is likely to be accompanied by further thunderstorms in places.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 495 (14th July, Saturday)

STATIONS.	EVENING OF 13th					MORNING OF 14th										24 HOURS ENDED 7 A.M.					Sun- shine for 13th Hours.		
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	°F.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	1016.5	56	SSW	2	m	1011.3	-1	56	+1	S	3	-	om	3	6	60	54	m	m	omclp	*	
	Deerness (Orkney)	1012.9	55	SE	4	cm	1010.8	*	56	0	SSE	3	S	c	2	-	60	52	om	cm	m.c	1.4	
	Stornoway	1012.2	64	S	4	b	1010.6	0	58	0	S	4	-	b	3	3	64	54	opq	o.d	b.dlr.b	4.8	
	Castlebay (Barra Isd.)	1013.5	72	SSW	3	ce	1013.3	0	65	-6	SE	1	-	om	*	-	72	52	o.c	c.o.c	c.b.c	2.6	
	Glasgow	1014.9	64	SSW	3	ox	1013.1	0	55	-4	-	0	-	om	*	-	71	47	oxw.ox	bc.c	o.om	4.5	
	Eskdalemuir	1011.1	63	SE	1	bcm	1011.3	0	56	-4	S	2	S	cg	2	3	67	53	b	bcm	cg	10.2	
	Malin Head	1010.1	61	S	5	bc	1009.5	-1	58	0	S	3	W	bc	3	1	63	54	bcq	bcq	bcq	*	
	Blacksod Point	1010.1	61	S	5	bc	1010.1	0	58	0	S	3	W	bc	3	1	63	54	bcq	bcq	bcq	*	
	Valencia (Cahirciveen)	1012.3	63	SSW	3	bc	1012.3	-1	59	0	S	3	SW	0	3	0.1	65	53	e	c.bc	c.opo	7.5	
	Roche's Point	1015.6	64	WSW	3	bc	1014.6	*	58	-2	SSW	1	SW	b	2	1	66	53	b.bc	bc	b.bcp	*	
	Birr Castle	1012.5	69	SE	2	c	1013.0	*	59	-5	S	1	-	c	*	-	72	54	c	c	c	10.5	
	Donaghadee	1012.6	65	SSW	4	bcm	1012.5	0	60	+1	SW	1	SW	bcm	0	-	69	54	bcm	bcm	bcm	*	
	Liverpool (Bidston)	1015.4	64	WNW	1	o	1014.0	0	60	-1	SW	1	-	b	1	-	74	57	o.bc	bc.o	o.c.b	3.9	
	Holyhead	1015.6	60	SW	4	og	1014.1	0	58	-8	SW	4	-	fe	3	-	67	55	o.c.def	c.bc.c	c.ofe	4.1	
	Pembroke (St. Ann's)	1017.2	61	WSW	1	bc	1015.5	-1	59	0	SW	1	W	bc	1	0.1	64	56	def	bc	cf.bew	4.1	
	Scilly (St. Mary's)	1017.8	62	-	0	c	1016.7	0	59	-1	W	1	W	b	3	-	67	56	bcm.bc	bc.c	bc.b	6.6	
	Falmouth	1016.8	65	NW	1	o	1015.4	+1	62	0	WNW	2	-	bc	*	-	70	54	o.c	e.o	o.bc	1.7	
	Jersey (St. Aubin)	1016.8	73	SE	2	o	1015.3	*	58	-6	-	0	-	fe	0	0.1	76	57	bc.c.d	bc.o	o.c.fe	8.2	
	Portland Bill	1017.3	62	E	1	bc	1013.4	-1	59	-1	NW	2	W	c	2	-	64	57	c.bc	bc	bc.c	*	
	Dungeness	1019.2	66	S	2	bc	1013.3	-2	61	0	SSE	2	S	cg	5	1	71	60	bc	bc	bcclp	*	
	Dover	1019.2	71	S	3	bc	1014.5	-1	64	-1	S	5	S	o	4	1	75	61	b	bc	b.opr	9.8	
Wick	1013.5	58	SSW	1	m	1010.4	0	58	0	-	0	-	m	2	-	59	56	omgb	omgb	ogem	*		
Nairn	1012.1	73	SSW	2	cx	1011.6	*	63	0	-	0	-	bc	0	-	75	55	ox	ox.c	ox.bc	3.7		
Aberdeen	1015.2	62	SSE	2	b	1012.1	0	60	+1	S	1	S	c	2	6	65	56	ox	o.bcz	b.dlr	1.9		
Leith	1013.3	71	WSW	1	c	1011.9	0	60	-4	SW	1	SW	c	1	-	74	57	o.c.o.bc	c.bcz	ex.c.o.c	*		
Tynemouth	1015.3	63	SE	4	cmq	1013.1	0	61	+1	-	0	-	ogm	2	-	63	58	om	cmq	ogm	*		
Spurn Head	1018.0	64	SE	4	bcm	1014.3	-1	61	+1	SSE	3	-	c	3	1	66	59	bcm	bcm	cm	6.2		
Yarmouth (Gorleston)	1019.9	63	S	4	bc	1015.3	-3	62	+1	S	3	-	c	3	-	66	60	b.bcm	bc	bcm.c	9.9		
Clacton-on-Sea	1019.5	67	ESE	3	bc	1014.4	-2	63	0	SSE	5	SW	o	4	-	68	62	bc.c	c.bcz	bc.bz	11.6		
Nottingham	1016.9	75	S	3	b	1013.4	*	65	+1	SW	1	SW	c	*	-	80	59	bc	bc.b	bc.c	7.8		
Benson (Oxon.)	1017.3	70	SSE	3	c	1012.3	-2	62	-3	-	0	-	o	*	-	71	62	b	bc	oml	*		
Sth Farnborough	1017.4	72	SE	3	o	1012.6	-2	65	+1	E	1	SW	om	*	-	77	59	c.ox.bc	bc.b.o	o.c.om	8.5		
London (Kew Obsy.)	1018.1	73	S	2	o	1012.9	-2	68	+4	-	0	-	om	*	-	78	62	bcm.o.c	e.o	o.c.om	9.2		
NORTHERN EUROPE.	Spitsbergen	1004.6	36	N	3	o	1009.0	+2	44	+2	SSE	2	*	o	*	*	39	34	*	*	*	*	
	Vardö	1009.6	46	WNW	5	bc	1014.9	+3	48	0	NW	7	-	bc	5	1	48	43	*	*	*	*	
	Bodö	1020.2	50	SW	5	c	1021.5	+2	50	+2	-	0	-	o	1	-	50	46	*	*	*	*	
	Christiansund	1022.3	64	-	0	b	1020.0	0	64	+10	-	0	-	b	2	-	68	54	*	*	*	*	
	Skudesnaes	1023.1	69	SSE	2	c	1020.8	-1	61	+2	SSE	2	-	b	2	-	63	54	*	*	*	*	
	Færder (X'ania Fjord)	1023.7	64	SSW	1	bc	1023.8	0	63	+4	SE	2	-	o	1	-	66	59	*	*	*	*	
	The Scaw (Skagen)	1027.3	64	WNW	2	b	1024.2	0	63	+2	SW	2	-	c	2	-	66	54	*	*	*	*	
	Blaavands Huk	1027.1	64	SW	1	b	1023.3	?	64	+3	SSE	2	-	b	*	-	66	48	*	*	*	*	
	Copenhagen	1024.8	70	NNW	1	b	1024.6	0	64	+1	E	2	-	b	*	-	72	59	*	*	*	*	
	Bornholm	1024.2	64	SW	2	m	1024.3	+1	61	+2	NE	1	-	f	0	-	66	55	*	*	*	*	
FRANCE, &c.	The Helder	1022.4	73	ESE	2	b	1019.0	0	66	+5	SE	2	W	bc	1	-	73	63	*	*	*	*	
	C. Gris Nez	1019.5	75	SE	1	bc	1015.9	0	64	-3	S	4	*	tlr	2	-	81	64	*	*	*	*	
	La Hève	1018.1	76	SE	4	c	1015.7	*	68	+7	SE	4	*	tlr	2	-	77	59	*	*	*	*	
	Brest (St. Mathieu)	1017.9	65	N	2	m	1017.0	0	60	-3	N	2	*	o	2	-	68	57	*	*	*	*	
	Rochefort (Ile d'Aix)	1015.9	84	SSE	2	c	1015.0	+5	70	+6	S	4	*	o	*	-	93	63	*	*	*	*	
	Biarritz	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	*
	Paris	1019.7	77	ESE	2	b	1018.6	+3	64	0	S	2	-	o	*	-	81	61	*	*	*	*	
Belfort	1023.5	71	E	5	m	1022.7	*	64	+5	ESE	6	*	m	*	-	74	56	*	*	*	*		
Lyons	1020.4	77	-	0	b	1020.7	*	68	+5	SSE	4	*	bc	*	-	81	59	*	*	*	*		
Nice	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	*	
Perpignan	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	*	
Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	*	
SOUTHERN STATIONS.	Corunna	1017.7	66	N	4	o	1019.7	+2	64	+1	NNE	4	-	o	2	-	70	63	*	*	*	*	
	Madrid	1017.0	93	-	0	c	1016.7	0	79	+2	-	0	-	b	2	-	95	68	*	*	*	*	
	Lisbon	1013.1	91	SW	2	o	1015.3	+1	70	-5	NNW	2	-	o	2	-	93	68	*	*	*	*	
	Azores (Horta)	1025.5	*	NNE	3	b	1027.0	0	61	-2	-	0	-	b	1	-	70	59	*	*	*	*	
	Madeira	1017.5	70	NNW	4	o	1019.5	0	68	+2	N	5	-	o	3	-	73	68	*	*	*	*	
	Gibraltar	1020.3	74	E	6	m	1019.3	*	75	+2	E	6	*	bc	4	-	80	72	*	*	*	*	
	Malta	*	*	*	*	*	1022.3	+4	73	0	NNW	2	-	b	1	-	79	72	*	*	*	*	
	Limassol	*	*	*	*	*	1005.1	+2	82	-4	W	2	-	b	0	-	91	59	*	*	*	*	
	Alexandria	1009.6	77	N	3	b	1010.6	+2	77	0	N	4	-	b	3	-	84	73	*	*	*	*	
	Cairo (Helwan)	1007.4	86	N	3	b	1009.7	+1	75	+2	N	3	-	bc	*	-	93	72	*	*	*	*	
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 13th	24 HOURS ENDED 9 h. 14th						SOUTH KENSINGTON.												
		25 h.	9 h.		TEMPERATURE.			Rain- fall.	WEATHER.														
		%	%	Hours.	°F.	°F.	°F.	mm.	Morn- ing.	After- noon.	Night.	Vertical Component of Solar Radiation per square Centimetre during 13th											
GREENWICH (Royal Observatory)		44	64	10.2	79	61	52	-	b	b	b.c.	Total.	Average Rate.	Max. Rate.									
CITY (Bunhill Row)		*	*	*	*	*	*	*	*	*	*	Joules.	Milliwatts.	Milliwatts.									
WESTMINSTER (St. James's Park)		48	71	9.5	78	66	61	-	b	b	bc	2279	39	81.5									
CAMDEN SQ. (British Rainfall)		41	62	10.4	82	62	60	-	b	b	*	The thermometers at Greenwich and Camden Square are in Glaisher screens.											

**NOTE**  
**SOLAR HALO** was  
 observed at :-  
 HOLYHEAD at 18h.,  
 CLACTON at 12h. 10m  
 S. FARNBOROUGH  
 at 8h. 30m., 11h and 16h  
 KEW at 11h. 30m  
 and at  
 GREENWICH at 12h.



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON SATURDAY, 14<sup>TH</sup> JULY, 1917.

Temperature rose to 75° or above at several stations, and in most localities there was much bright sunshine. Thunderstorms were experienced along the east and north-east coasts of Great Britain, but the accompanying rain was not heavy. In Holland very heavy rain has been measured, 37 mm at the Helder.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR SATURDAY, 14<sup>TH</sup> JULY, UP TO 17 H.

STATIONS.	Sun- shine for 13 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 14 <sup>TH</sup>	STATIONS.	Sun- shine for 13 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 14 <sup>TH</sup>
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.						Mm.	Mm.	° F.	° F.			
Scotland.									England, E.								
Oban ...	5.1	-	-	67	55	bc c	c	7.0	Lowestoft ...	11.3	Trace	-	72	62	bc	bc. cl	8.6
Banff ...	2.5	-	-	61	56	c. bc	bc. ut.	6.9	Felixstowe ...								
Montrose ...	2.3	-	-	68	61	bc	b	9.8	Walton-on-Naze ...								
St. Andrews ...	*	-	-	68	58	b	b	10.0	Southend-on-Sea ...	9.9	-	-	86	60	b. bc	b. bc. cu	8.4
Carnoustie ...	*	-	-														
England, N.E.									England, S.E.								
Harrogate ...	7.0	-	-	75	57	bc. b	b	8.0	Margate ...	10.6	-	-	80	61	c. bc. b	b. bc. c	5.6
Skegness ...									Hastings ...				71	62	bc. b	b	5.3
									Eastbourne ...	8.6	-	-	71	62	bc. c	c. o	5.8
									Seaford ...		-	-	71	62	bc. b	c	5.8
									Brighton ...	9.2	-	-	72	63	c	co	5.3
									Worthing ...	9.1	-	-	77	61	bc	bc	8.7
									Littlehampton ...		-	-	77	62			7.8
									Bognor ...		-	-					
									Bournemouth ...	8.1	-	-	76	58	c. bc	bc	6.5
Midlands.									England, S.W.								
Leamington Spa ...	6.1	-	-	77	56	b. bc	bc	9.7	Weymouth ...		*	*					
Malvern ...									Torquay ...								
Ross-on-Wye ...									Paignton ...								
									Penzance ...	2.8	-	-	69	55	bc. b	bc	11.3
									Newquay ...								
									Bude ...								
									Ilfracombe ...								
									Weston-s-Mare ...		*	*					
Wales.																	
Rhyl ...																	
Colwyn Bay ...																	
Llandudno ...	*	*	*	70	55	b	b	13.6									
Aberystwyth ...	*	*	*	66	55	c. b	b. bc	12.0									

REPORTS FROM FOREIGN STATIONS FOR SATURDAY, 14<sup>TH</sup> JULY

STATIONS.	EVENING OF 13 <sup>TH</sup>					MORNING OF 14 <sup>TH</sup>										MORNING OF 14 <sup>TH</sup>				
	Barom.	Temp.	Wind.	Force	Weather.	Barom.	Temp.	Wind.	Force	Weather.	Rain-fall.	Temp.	Temp.	Temp.	Temp.	Barom.	Temp.	Wind.	Force	Weather.
	Milli- bars at M.S.L.	° F.	Dir.	0-12.		Milli- bars at M.S.L.	° F.	Dir.	0-12.		Milli- metres.	° F.	° F.	° F.	° F.	Milli- bars at M.S.L.	° F.	Dir.	0-12.	
RUSSIA 7 a.m. and 9 p.m. Local Time.																				
Archangel ...						1020.4	+3	63	+4	WNW	2	b	*	57		1008.4	55	0	0	0
Gorki ...						1007.7	*	64	+5	SE	2	o	*	61		1012.8	55	0	E	2
Vieliki Luki ...						1011.1	*	61	+2	NNW	4	o	14	61		1007.0	50	-9	E	1
Hangö ...	1023.7	63	-	0	b	1023.8	0	61	+2	NNE	2	b	*	52		1008.2	52	-12	-	0
Riga ...	1021.0	61	NE	2	bc	1019.1	-1	66	+3	NE	3	b	*	59		1011.1	57	+3	SSE	1
Petrograd ...	1020.7	68	ENE	1	b	1021.6	0	66	0	ENE	3	bc	75	59						f
Moscow ...						1010.9	-2	70	+7	NE	3	o	1	66						b
Kiev ...	1004.2	66	NW	3	b	1003.8	0	63	-1	SSW	3	c	*	59						
Kharkov ...	1005.1	81	SE	1	o	1006.9	+3	73	-2	-	0	b	*	70						
Kishinev ...						1008.7	+1	61	0	NW	3	o	*	57						
Elisabetgrad ...						1007.8	0	61	-11	SSW	3	c	*	59						
Nicolaiev ...						1009.7	*	63	-9	NW	2	b	*	61						
Odessa ...	1009.6	72	WNW	3	b	1010.4	+1	66	0	WNW	3	b	*	59						
Tarkhankout ...							*						*							
Soukhom ...							*						*							
MEDITERRANEAN.																				
Venice ...	1023.1	73	SW	1	bc	1021.4	*	72	+4	-	0	m	-	76	59					
Pesaro ...	1024.1	68	-	0	b	1023.3	*	68	0	-	0	b	-	79	55					
Rome ...	1022.6	73	-	0	b	1024.6	*	70	-2	-	0	b	-	82	63					
Viesti ...	1021.5	72	NW	?	b	1023.4	*	73	-1	NNW	5	b	-	77	70					
Brindisi ...	1016.2	73	SW	7	b	1017.5	*	73	+1	S	6	b	-	73	70					
Cagliari ...	1022.6	79	SE	4	b	1023.1	*	68	+4	NW	4	b	-	82	53					
Palermo ...	1021.9	72	-	0	b	1023.1	*	75	0	-	0	b	-	86	61					
Tripoli ...							*													
Algiers ...	1022.4	72	NNE	3	b	1020.7		75	+3	NNE	1	b	-	79	64					
SWEDEN.																				
Hernösand ...	1023.5	63	S	2	b	1024.0	*	64	+5	-	0	b	*	*	*					
Stockholm ...	1023.8	72	ESE	2	bc	1024.3	*	72	+4	SE	2	b	*	*	*					
Wisby ...	1023.7	63	NW	2	b	1024.0	*	64	0	NW	2	b	*	*	*					

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

15 <sup>TH</sup> AND 16 <sup>TH</sup> JULY 1917.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	{	3.48	11.59	8.9
		3.49	11.59	8.8
Greenwich ...	{	4.2	12.6	8.10
		4.3	12.6	8.9
Wick ...	{	3.31	12.18	9.4
		3.33	12.18	9.2
Valencia ...	{	4.39	12.47	8.54
		4.40	12.47	8.53

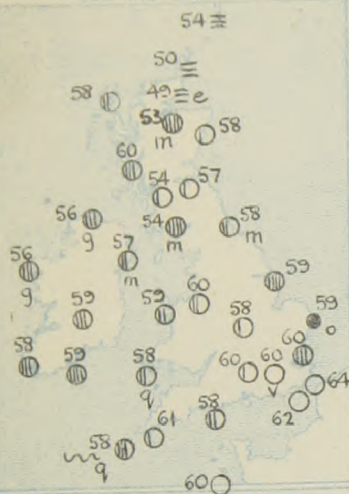
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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THE MORNING OF SUNDAY, 15<sup>TH</sup> JULY, 1917.

TEMPERATURE, WEATHER AND  
SEA DISTURBANCE.



FORECAST DISTRICTS.



EXPLANATION.

**BAROMETER.**—Isobars are drawn for intervals of five millibars.

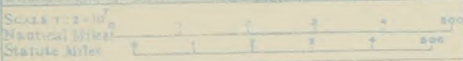
**WIND.**—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers.

**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

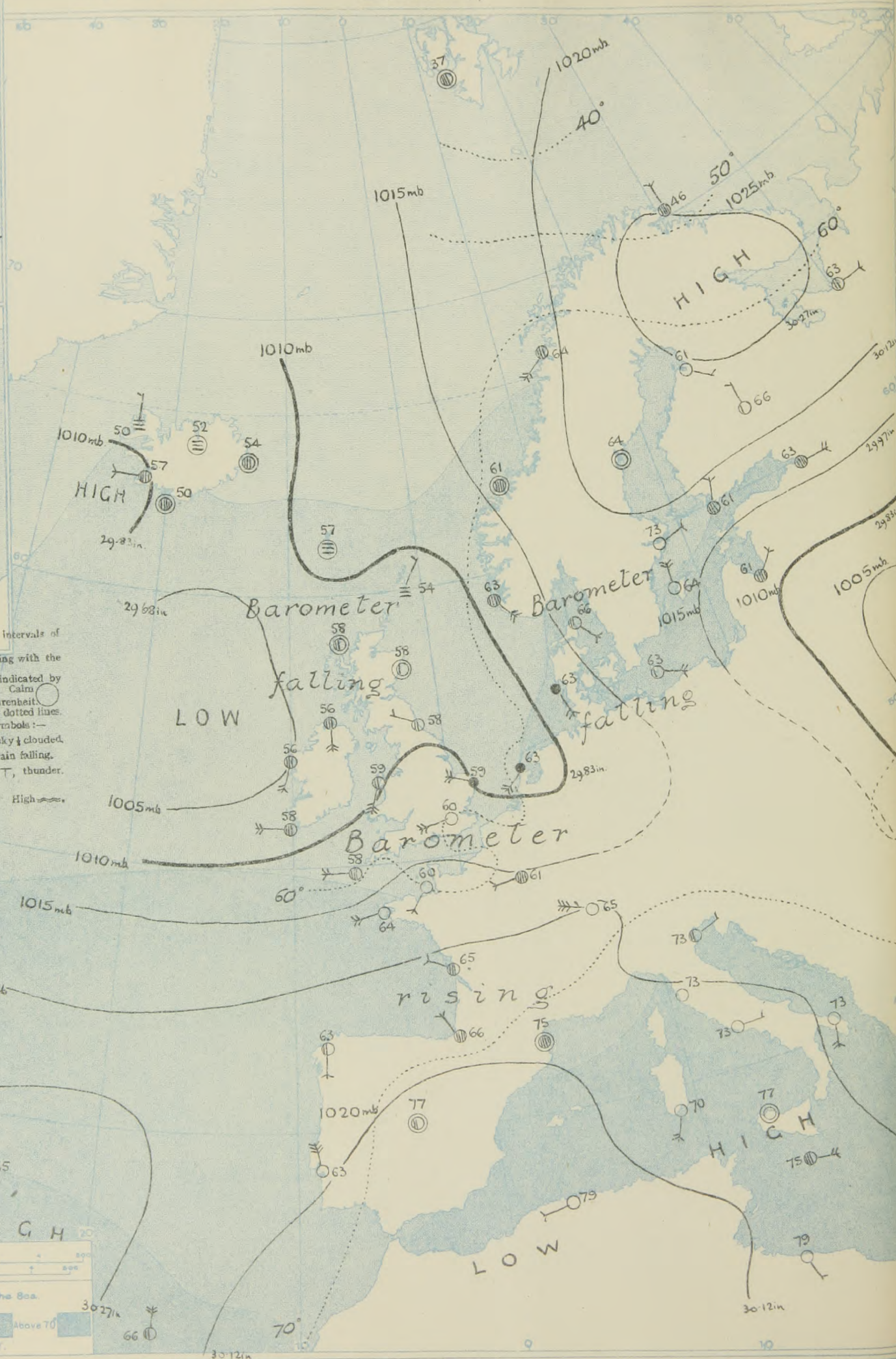
**WEATHER.**—Shown by the following symbols:—

○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded. ○ sky 4/5 clouded. ○ overcast sky. ● rain falling. \* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder. T, thunderstorm.

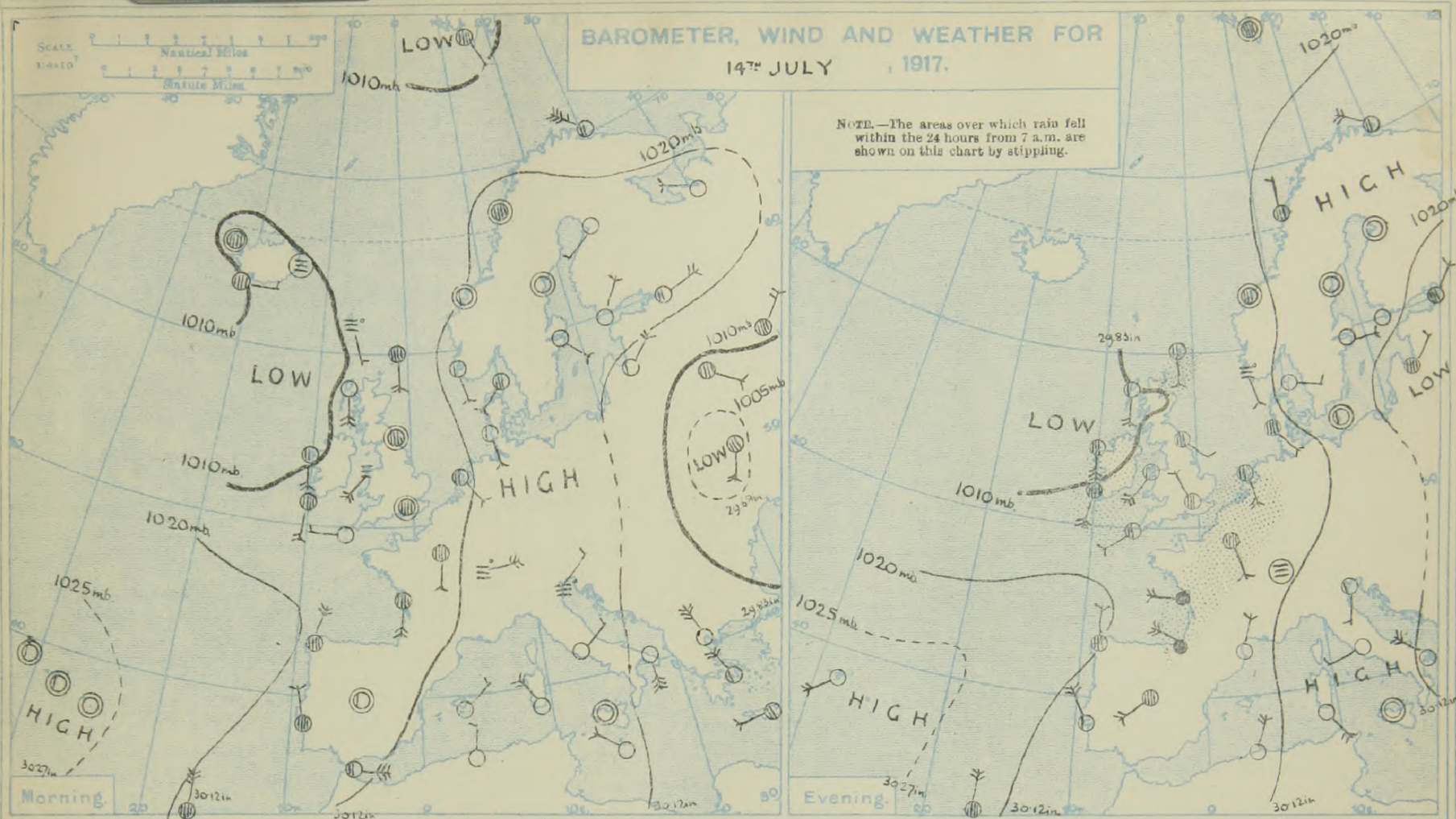
**SEA DISTURBANCE.**—Rough High.



Normal Temperature of the Sea.  
Below 50 50-60 60-70 Above 70  
Scale of Tints for JULY.





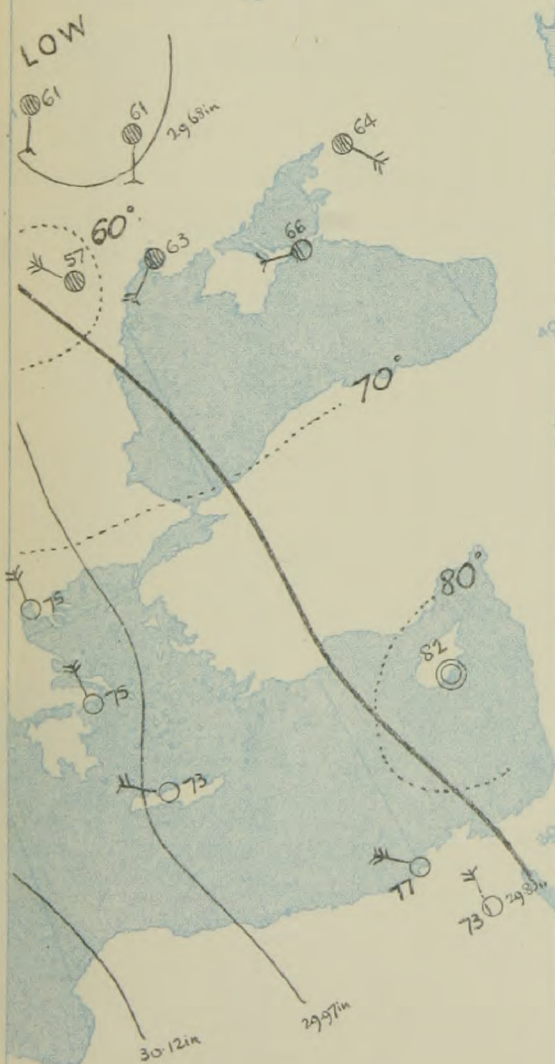


## Notes on To-day's Chart.

The 7 a.m. chart for to-day shows no deep depression and no intense anticyclone. The lowest pressure is seen in a depression lying on the Atlantic beyond the north-west of Ireland, while a secondary "low" lies over Holland. Pressure is highest over the Azores region, but is very nearly as high over Finland and northern Russia. a slight ridge of high pressure extends from France to the north of England. The only rainy locality at 7 a.m. is Holland and its immediate vicinity.

During the subsequent 24 hours the depression beyond Ireland travelled E.N. Ewds., while the secondary over Holland either dispersed or travelled away quickly to the Baltic. Over Great Britain some local irregularities of pressure - too slight to be shown on the chart - caused thunder showers or thunderstorms in many localities, while the less settled weather and the somewhat brisk movement of air from the South-Westward prevented the thermometer from rising to the high figure of the two preceding days.

16<sup>th</sup> July 1917.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 196 { 15<sup>th</sup> July Sunday

STATIONS.	EVENING OF 14 <sup>th</sup>					MORNING OF 15 <sup>th</sup>										24 HOURS ENDED 7 A.M.							Sun- shine for 14 <sup>th</sup> Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 2 hours.	Dry Bulb. °F.	Change in 24 hours. °F.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	1011.0	57	S	2	bcm	1008.3	-1	54	-2	NE	1	-	f	1	0.3	60	53	o.bcm	bcm	f	*	
	Deerness (Orkney)	1011.5	58	NE	2	c	1008.8	*	50	-6	S	2	-	f	1	-	68	47	c.bc	bc.c	cf	6.7	
	Stornoway	1010.0	61	S	3	b	1007.1	-1	58	0	-	0	-	bc	0	-	67	50	b.bc	bc.b	bc	14.1	
	Castlebay (Barra Isd.)																						
	Glasgow	1011.1	67	W	2	b	1009.0	-1	54	-1	-	0	-	b	*	-	71	47	om.c.bc	bc.b	bw	6.9	
	Esksdalemuir	1011.2	64	SW	4	bv	1009.4	-1	54	-1	WSW	1	-	om	*	-	69	51	o.om	bcv	b.cm	9.8	
	Malin Head	1009.3	58	E	1	cf	1006.1	-3	56	0	S	4	S	cg	2	1	69	55	bc	bep	cg	5.3	
	Blackhead Point	1007.1	59	S	5	c	1004.9	-1	56	-2	SSW	3	S	cg	3	11	62	53	c	c	cg.omr	*	
	Valencia (Cahirveen)	1010.1	56	SSW	4	op	1008.5	+3	58	-1	W	4	W	c	4	8	65	56	o.c	cp	cp	6.0	
	Roche's Point	1012.3	64	SSW	3	bc	1008.8	*	59	+1	SW	4	-	o	4	3	65	56	b.bc	bep	b.op	*	
	Birr Castle	1009.5	67	SW	1	c	1008.5	*	59	0	S	1	S	c	*	1	71	53	c	c	c	8.5	
	Donaghadee	1010.2	65	SE	3	bcz	1008.1	-2	57	-3	SW	2	-	bcm	2	3	68	52	bcm	bcm	cgmp	*	
	Liverpool (Bldston)	1012.5	64	NW	1	b	1010.6	-1	60	0	SSE	1	SW	bc	1	-	69	53	b	b	b	13.2	
	Holyhead	1012.2	60	SW	4	bz	1009.8	-1	59	0	SSW	5	-	bc	3	1	65	55	f.cf.bc	b.f.bz	b.bcp.b	10.5	
	Pembroke (St. Ann's)	1014.4	61	SSW	2	bc	1011.4	+1	58	-1	SSW	3	W	bcq	3	3	64	55	bcp.bc	bc	bc.cq	13.8	
	Scilly (St. Mary's)	1015.7	63	WSW	2	bc	1013.9	+1	58	-1	W	3	W	cq	5	1	66	55	bc	bc	bc.cq	14.0	
	Falmouth	1015.2	65	WSW	3	b	1013.4	+2	61	-1	SW	4	-	b	*	-	70	55	bc	bc.b	b	12.5	
	Jersey (St. Aubin)	1015.8	61	W	3	o	1017.2	*	60	-2	SW	2	-	b	1	-	68	57	bc.o	o.bc.o	o.b	5.0	
	Portland Bill	1014.0	61	W	5	c	1014.0	0	58	-1	SW	4	SW	bc	3	-	64	57	bc	bc.c	c.o.bc	*	
	Dungeness	1012.9	61	SW	3	c	1013.1	+2	62	+1	SW	4	-	bc	3	1	69	58	bc	bc	c.op.c.b	*	
	Dover	1013.6	66	SW	3	o	1013.1	+5	64	0	W	4	-	b	2	1	75	57	pr. b	bc.o	o.c.b	6.0	
Wick	1011.0	60	NNE	2	bcm	1008.2	-1	49	-9	NNE	1	-	fe	2	0.2	63	46	bcm	bc.o.bc	bc.m.fe	*		
Nairn	1009.8	62	E	2	bc	1007.8	*	53	-10	-	0	-	om	1	0.3	75	46	bcp.c	c.bcg	bc.m	8.8		
Aberdeen	1010.1	64	SSW	3	b	1008.1	-1	58	-2	-	0	-	b	2	-	70	51	c.bc	c.bc	b	10.7		
Leith	1009.8	68	SW	1	c	1008.1	0	57	-3	SW	1	SW	b	1	-	70	55	c.bc.b	b	c.b.bz	*		
Tynemouth	1011.0	64	SE	1	cm	1009.6	-1	58	-3	WNW	1	S	bcm	2	-	68	52	cm	bcm	bcm	*		
Spurn Head	1011.6	67	N	1	bc	1010.2	-1	59	-2	NW	4	-	o	4	-	70	57	cm	cm	c	7.9		
Yarmouth (Gorleston)	1011.1	66	S	4	clr	1009.4	+3	59	-3	WNW	4	-	or	2	9	77	58	c.b	b.ofir	ofir.bc	8.3		
Clacton-on-Sea	1011.7	68	S	3	c	1011.7	+2	60	-3	W	3	W	c	2	-	73	59	of.bq	bcz.c	c.bcz	8.5		
Nottingham	1011.4	74	SW	2	b	1011.6	*	58	-7	SW	2	SW	b	*	-	79	56	c	c.b	bm	6.3		
Benson (Oxon.)	1012.4	76	W	1	b	1012.0	+3	60	-2	WSW	2	-	b	*	-	77	51	b	b	b	*		
Sth Farnborough	1011.8	74	WNW	2	bc	1014.1	+3	60	-5	W	3	-	b	*	Trace	79	53	m.o.bcz	bc	bc.b	8.6		
London (Kew Obsy.)	1011.8	77	NW	2	c	1013.7	+3	60	-8	WSW	4	-	bv	*	-	78	58	om.c.bc	bc.o.c	c.b.b	9.3		
NORTHERN EUROPE.	Spitsbergen	1012.6	39	-	0	o	1016.7	+3	37	-4	-	0	*	c	*	*	41	34	*	*	*	*	
	Vardö	1022.4	45	NW	4	bc	1025.0	+1	46	-2	N	2	-	o	3	*	48	43	*	*	*	*	
	Bodö	1022.6	55	N	1	c	1017.7	-1	64	+14	SW	4	-	c	2	-	64	48	*	*	*	*	
	Christiansund	1017.5	61	-	0	c	1015.8	0	61	-3	-	0	-	o	2	Trace	70	57	*	*	*	*	
	Skudesnaes	1016.6	61	SSE	2	m	1011.0	-3	63	+2	SE	4	-	o	3	Trace	66	59	*	*	*	*	
	Færder (X'lantia Fjord)	1020.6	66	-	0	o	1017.1	-1	66	+3	ESE	1	W	bc	1	-	68	63	*	*	*	*	
	The Scaw (Skagen)	1021.9	66	ESE	1	b	1016.4	-3	66	-3	SE	2	-	bc	2	-	70	63	*	*	*	*	
	Blaavands Huk	1019.0	70	SE	2	o	1012.2	?	63	-1	SSE	3	-	r	*	-	77	61	*	*	*	*	
	Copenhagen	1021.9	68	SW	2	c	1016.7	-2	68	+4	SE	3	-	bc	*	-	75	59	*	*	*	*	
	Bornholm	1022.1	68	-	0	b	1017.7	+3	63	+2	ESE	3	N	b	0	-	70	59	*	*	*	*	
FRANCE, &c.	The Helder	1013.1	77	SSE	3	bc	1006.4	-2	63	-3	SE	4	-	r	2	34	79	63	*	*	*	*	
	C. Gris Nez	1013.0	62	SSW	2	o	1012.8	+2	60	-4	WSW	5	*	bc	4	7	77	57	*	*	*	*	
	La Hève	1014.7	62	NNW	3	o	1015.9	*	59	-9	WNW	5	*	o	5	2	75	55	*	*	*	*	
	Brest (St. Mathieu)	1017.7	63	NW	1	c	1018.4	+1	64	+4	WSW	4	*	b	3	-	68	59	*	*	*	*	
	Rochefort (Ile d'Atx)	1017.2	65	W	2	r	1021.7	+5	65	-5	WNW	2	*	c	9	68	63	*	*	*	*		
	Biarritz	1015.8	68	WNW	4	clr	1022.1	+2	66	-	NW	2	*	o	2	10	73	63	*	*	*	*	
	Paris	1013.2	75	SSW	2	o	1017.9	+5	61	-3	WSW	2	-	o	*	10	82	59	*	*	*	*	
	Belfort	1018.9	80	-	0	m	1020.6	*	65	+1	WNW	7	*	b	*	-	84	54	*	*	*	*	
	Lyons																						
	Nice																						
Perpignan	1017.9	75	NE	2	b	1020.6	-1	75	-	0	-	o	*	-	86	66	*	*	*	*			
Sanguinaire																							
SOUTHERN STATIONS.	Corunna	1021.6	66	N	2	c	1024.4	+1	63	-1	S	2	-	c	2	-	66	55	*	*	*	*	
	Madrid	1010.7	95	SW	3	o	1017.1	+1	77	-2	-	0	-	bc	*	-	97	68	*	*	*	*	
	Lisbon	1017.7	73	NNW	4	b	1020.6	0	63	-7	NNW	6	-	b	*	-	77	61	*	*	*	*	
	Azores (Horta)	1027.8	*	SW	3	b	1026.7	0	66	+5	WSW	3	*	o	2	-	75	63	*	*	*	*	
	Madeira	1021.2	72	N	4	o	1022.9	0	66	-2	N	4	-	bc	3	-	73	64	*	*	*	*	
	Gibraltar																						
	Malta						1021.2	?	75	+2	ESE	3	-	c	2	-	81	72	*	*	*	*	
	Limassol						1007.0	+1	82	0	-	0	-	b	0	-	90	63	*	*	*	*	
	Alexandria	1011.8	75	NNW	5	b	1011.7	+1	77	0	NW	5	-	b	4	-	84	73	*	*	*	*	
	Cairo (Helwan)	1010.0	79	N	3	b	1010.7	+1	73	-2	N	3	-	b	*	-	91	70	*	*	*	*	
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 14 <sup>th</sup> Hours.	24 HOURS ENDED 9 H. 15 <sup>th</sup>					SOUTH KENSINGTON.			Vertical Component of Solar Radiation per square Centimetre during 14 <sup>th</sup>										
		13 <sup>h</sup> .	9 <sup>h</sup> .		Max.	Min.	Min. on Grass.	Rain- fall.	Morn- ing.	After- noon.	Night.	Total.		Average Rate.	Max. Rate.								
GREENWICH (Royal Observatory)		54	58	9.9	85	59	54	-	bc	bc	bc.o.b												
CITY (Bunhill Row)		*	*	8.2	*	*	*	*	*	*	*												
WESTMINSTER (St. James's Park)																							



Temperature was considerably lower than that of the preceding day generally, but exceeded 70° in many localities. Thunderstorms or thundery showers occurred in many parts of the Kingdom, but at none of the stations reporting was the quantity of rain large. The duration of bright sunshine varied a good deal, but the values were generally higher in the South-West and West than elsewhere.

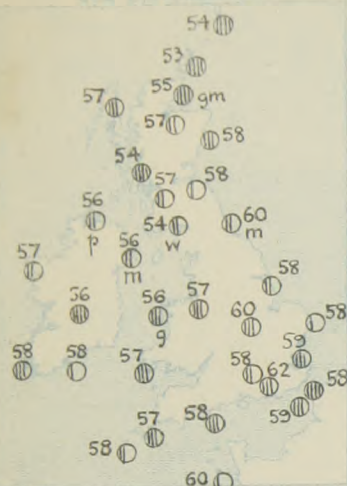
STATIONS.	Sun- shine for 14 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 15 <sup>th</sup>	STATIONS.	Sun- shine for 14 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 15 <sup>th</sup>		
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.			
		Mm.	Mm.	° F.	° F.			Hr.			Mm.	Mm.	° F.	° F.			Hr.		
Scotland.	{ Oban ... ..	9.0	-	1	64	53	cp. bc	bc	5.7	England, E.	{ Lowestoft ... ..	-	-	73	59	bc	bc	7.8	
	{ Banff ... ..	8.8	Trace	-	56	44	ofe	o. c	0.1		{ Felixstowe ... ..	-	-	73	59	bc	bc	7.8	
	{ Montrose ... ..	11.8	*	*	74	59	b	bc	12.0		{ Walton-on-Naze ... ..	-	-	76	59	b. bc	bc. c. ocp	7.5	
	{ St. Andrews ... ..	*	*	*	75	58	bc	bc	12.0		{ Southend-on-Sea ... ..	-	-	76	59	b. bc	bc. c. ocp	7.5	
	{ Carnoustie ... ..	*	*	*	75	58	bc	bc	12.0										
Eng., N.E.	{ Harrogate ... ..	10.7	-	-	69	51	b. bc	bc. c. op	6.7	England, S.E.	{ Margate ... ..	*	*	59	55	b	b	9.7	
	{ Skegness ... ..	-	-	7	72	56	bc	bc. o. tr	5.0		{ Hastings ... ..	5.4	1	-	67	58	or. bc. b	bc	10.9
									{ Eastbourne ... ..		5.8	Trace	-	65	59	bc	bc	11.4	
									{ Seaford ... ..										
Eng., N.W.	{ Morecambe ... ..								{ Brighton ... ..		5.3	-	-	64	58	bc. o	c. b	10.2	
	{ Southport ... ..	12.3	-	1	66	50	bc. b. od	bc. o. r. o	8.2		{ Worthing ... ..	8.7	-	-	66	55	c. bc	b	10.6
											{ Littlehampton ... ..								
											{ Bognor ... ..								
Midlands.	{ Leamington Spa ... ..								{ Bournemouth ... ..	6.5	-	-	67	54	bc	bc	11.0		
	{ Malvern ... ..																		
	{ Ross-on-Wye ... ..																		
Wales.	{ Rhyl ... ..	13.4	-	1	68	50	bc	cp. bc	5.7	England, S.W.	{ Weymouth ... ..	*	*						
	{ Colwyn Bay ... ..	*	*	*	68	55	c	bc	8.7		{ Torquay ... ..	3	Trace	67	57	c	cp	7.0	
	{ Llandudno ... ..	*	*	*	68	51	c	cp	6.0		{ Paignton ... ..								
	{ Aberystwyth ... ..		*	*	63	53	or. c	c. o	3.0		{ Penzance ... ..								
											{ Newquay ... ..	Trace	-	66	52	bq. o. bq	bq	8.4	
									{ Bude ... ..										
									{ Ilfracombe ... ..										
									{ Weston-s-Mare ... ..		*	*							

STATIONS.		EVENING OF 14 <sup>TH</sup>					MORNING OF 15 <sup>TH</sup>										MORNING OF 15 <sup>TH</sup>							
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.		
RUSSIA 7 a.m. and 9 p.m. Local Time.			° F.				° F.	° F.						° F.	° F.									
	Archangel ...	1007.4	66	-	0	b	1024.0	+2	63	0	E	2	bc	-	* F	* F								
	Gorki ...	1007.4	66	-	0	b	1005.1	*	63	-1	NE	3	0	28	*	61								
	Velieki Luki ...						1008.6	*	64	+3	NE	2	r	?	*	63								
	Hangö ...	1021.1	64	-	0	b	1019.3	-3	61	0	NNE	2	e	-	*	54								
	Riga ...	1015.7	63	NE	1	0	1011.9	-1	61	-5	NE	2	0	4	*	57								
	Petrograd ...	1018.9	66	ENE	2	c	1016.8	0	63	-3	E	3	0	1	* 73	59								
	Moscow ...	1011.4	?	-	0	0	1009.6	0	72	-2	-	0	0	3	*	66								
	Kiev ...	1005.5	61	SE	2	b	1001.2	0	61	-2	SW	2	0	1	*	61								
	Kharkov ...														*									
	Kishinev ...	1008.0	65	NW	3	0	1006.3	-1	57	-4	NW	4	0	-	*	57								
	Elisabetgrad ...						1004.2	0	61	0	SSW	2	0	-	*	59								
	Nicolaiev ...	1005.4	66	WSW	2	c	1007.7	*	63	0	WSW	3	0	-	*	61								
	Odessá ...						1007.9	-1	61	-5	WNW	4	0	-	*	59								
	Tarkhankout...							*							*									
	Soukhoun ...							*							*									
MEDITERRANEAN.																								
	Venice ...	1020.5	73	SSW	1	b	1018.6	*	73	+1	-	0	bc	-	79	66								
	Pesaro ...	1023.1	71	-	0	b	1019.5	*	75	+7	SW	1	b	-	81	63								
	Rome ...	1022.8	75	WSW	1	b	1022.1	*	73	+3	E	1	b	-	84	63								
	Viesti ...	1021.3	73	WNW	3	b	1021.4	*	77	+4	NW	1	b	-	81	70								
	Brindisi ...	1019.8	73	NW	4	b	1018.6	*	73	0	SSW	3	b	-	73	72								

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MONDAY, 16<sup>TH</sup> JULY, 1917.



EXPLANATION.




**BAROMETER.**—Isobars are drawn for intervals of five millibars.

WIND.—Direction is shown by arrows flying with the wind.

Force, on the scale 0-12, is indicated by the number of feathers. Calm 

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines

WEATHER.—Shown by the following symbols:—

 clear sky.    
  sky  $\frac{1}{4}$  clouded.    
  sky  $\frac{1}{2}$  clouded.

☁ sky  $\frac{1}{2}$  clouded. ☁ overcast sky ☔ rain falling.  
❄ snow. ▲ hail. = fog. ≡<sup>o</sup> mist. ⚡ thunder.

⚡ snow. ⚡ hail. = log. = mist. |, thunder.  
⚡, thunderstorm.

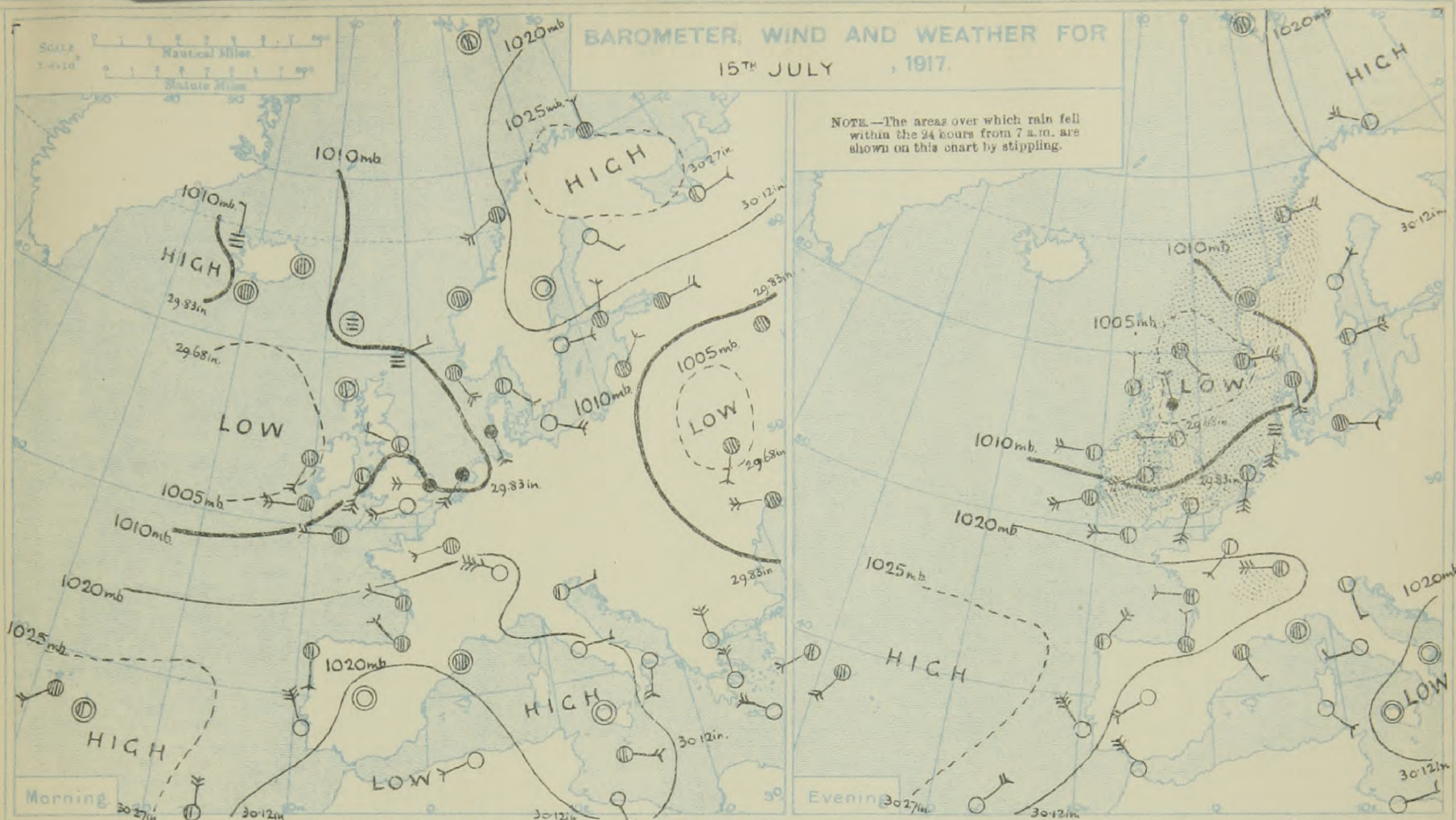
SEA DISTURBANCE.—Rough  High .



# BAROMETER, WIND AND WEATHER FOR

15<sup>TH</sup> JULY, 1917.

NOTE.—The areas over which rain fell within the 24 hours from 7 a.m. are shown on this chart by stippling.



## The Present Situation

A depression lies to the Northward of Scotland, and appears to be moving very slowly or stationary. The highest pressure is found to the South and South-West of the United Kingdom, and the gradient over this country is favourable for South-West winds of moderate or little force.

## The General Outlook

With barometric pressure highest to the South and South-West, and lowest beyond the North of Scotland, it is to be expected that further depressions travelling Eastward or North-Eastward from the Atlantic will pass across the British Isles and maintain the weather in an unstable condition. In these circumstances, the rather decided current of wind from the South-West will bring a temperature generally below the normal for the time of the year.





[illegible]

+ The barometric change is expressed in half-millibars.



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON MONDAY, 16<sup>TH</sup> JULY 1917.

Temperature was moderate in most districts, just touching 70° in the South-East of England. Showers fell in all parts, and thunder was reported at a few stations in the East. Measurements of bright sunshine were moderate, ranging up to eleven hours at Malin Head and Yarmouth.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR MONDAY, 16<sup>TH</sup> JULY... UP TO 17 H.

STATIONS.	Sun- shine for 15 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine for 15 <sup>th</sup>	STATIONS.	Sun- shine for 15 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine for 15 <sup>th</sup>		
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.			
		Mm.	Mm.	° F.	° F.						Mm.	Mm.	° F.	° F.					
Scotland.									England, E.										
	Oban ... ..	7.3	1	7	58	52	cp	cp		2.5	Lowestoft ... ..	-	3	70	55	c. bc. c	c. opt	9.5	
	Banff ... ..	0.1	Trace	37	63	52	b. bc	bc. r		14.3	Felixstowe ... ..	9.8	1	69	56	bc	bc. c. r	6.0	
	Montrose ... ..	13.4	-	-	70	60	bc	b		6.0	Walton-on-Naze ... ..	-	2	66	55	bc	bcp	6.8	
	St. Andrews ... ..	*	-	-	71	52	b	c		9.5	Southend-on-Sea ... ..	9.0	-	6	71	56	bc. c. o	or	3.6
Carnoustie ... ..	*	*	*	71	61	bc	c	10.0											
Eng. N.E.									England, S.E.										
	Harrogate ... ..	9.3	5	-	69	51	c. bc. b	b. bc. b		8.7	Margate ... ..	11.8	-	Trace	70	55	c	cp. bc	4.1
	Skegness ... ..	6.0	-	3	70	51	bc. o	bc. or		9.2	Hastings ... ..	13.5	-	-	65	57	o. bc. b	b	5.4
Eng. N.W.									England, S.W.										
	Morecambe ... ..	Trace	-	-	64	57	c. o. bc. b	c. bc		6.2	Eastbourne ... ..	13.5	-	-	65	57	o. bc. b	b	6.9
	Southport ... ..	9.3	-	-	66	57	c. o. bc. b	c. bc		5.3	Seaford ... ..								
Midlands.									England, S.W.										
	Leamington Spa ... ..		-	3	68	53	bc	bc		4.5	Brighton ... ..	11.9	-	-	65	58	o	c. bc	4.5
	Malvern ... ..		-	2	68	53	c. bc. r	c. bc		3.0	Worthing ... ..	12.6	-	-	67	58	bc. b	bc	8.7
Ross-on-Wye ... ..																			
Wales.																			
	Leamington Spa ... ..		-	3	68	53	bc	bc	4.5	Littlehampton ... ..									
	Malvern ... ..		-	2	68	53	c. bc. r	c. bc	3.0	Bognor ... ..									
	Ross-on-Wye ... ..																		
	Weymouth ... ..	*	*	*	68	57	bc	bc. r	6.0	Bournemouth ... ..	11.8	-	-	68	57	c. bc	b	9.0	
	Torquay ... ..	8.1	4	-	68	57	oc	c	4.9										
	Paignton ... ..																		
Penzance ... ..		-	-	65	56	bc. c	bc	4.0											
Newquay ... ..	11.0	-	-	65	53	b. o. b	o. b	3.7											
Bude ... ..		-	-	66	58	b	b	4.5											
Ilfracombe ... ..		Trace	Trace	65	56	bc	bc	7.5											
Weston-s-Mare ... ..		-	-	67	54	b. bc. p	b	8.5											

REPORTS FROM FOREIGN STATIONS FOR MONDAY, 16<sup>TH</sup> JULY.

STATIONS.	EVENING OF 15 <sup>TH</sup>				MORNING OF 16 <sup>TH</sup>				MORNING OF 16 <sup>TH</sup>			
	Barom. Milli- bars at M.S.L.	Temp. ° F.	Wind. Dir.	Force 0-12.	Barom. Milli- bars at M.S.L.	Temp. ° F.	Wind. Dir.	Force 0-12.	Barom. Milli- bars at M.S.L.	Temp. ° F.	Wind. Dir.	Force 0-12.
Archangel ...	1024.4	64	NW	2	1001.7	63	E	3	1009.9	48	N	2
Gorki ...	1004.6	64	SE	2	1001.7	63	E	3	1009.9	48	N	2
Veliki Luki ...	1004.6	66	E	4	1005.6	66	ESE	2	1013.1	54	W	2
Hango ...	1014.6	68	ENE	2	1009.7	66	ESE	3	1009.0	52	-	0
Riga ...	1008.0	64	NE	1	1005.0	66	-	0	1008.0	50	E	1
Petrograd ...	1014.1	70	ENE	4	1010.6	68	E	3	1003.3	54	NNW	2
Moscow ...	1012.4	68	-	0	1010.6	82	E	3				
Kiev ...					1000.0	61	W	4				
Kharkov ...	1007.3	66	S	1	1007.5	63	SE	3				
Kishinev ...												
Elisabetgrad ...	1005.3	61	S	3	1006.4	63	WSW	3				
Nicolaiev ...					1009.9	64	WSW	3				
Odessa ...					1011.1	66	W	4				
Tarkhankout ...												
Soukhom ...												
RUSSIA 7 a.m. and 9 p.m. Local Time.												
Venice ...	1017.8	70	S	1	1018.9	75	ESE	1				
Pesaro ...	1018.5	73	-	0	1016.0	77	-	0				
Rome ...	1021.5	75	W	1	1020.9	73	N	1				
Viesti ...	1019.3	75	-	0	1020.3	77	-	0				
Brindisi ...	1017.5	72	-	0	1017.5	70	-	0				
Cagliari ...	1019.9	82	SE	2	1018.6	73	SE	3				
Palermo ...	1021.5	75	-	0	1017.5	77	-	0				
Tripoli ...	1022.6	79	E	1	1022.6	77	-	0				
Algiers ...	1016.2	81	-	0	1015.9	73	WSW	6				
MEDITERRANEAN.												
Hernösand ...	1017.9	66	NE	2	1012.3	63	N	2				
Stockholm ...	1014.8	72	E	4	1007.7	63	NE	2				
Wisby ...	1012.8	63	N	4	1007.7	59	WNW	2				
SWEDEN.												

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

17 <sup>TH</sup> AND 18 <sup>TH</sup> JULY 1917.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	3:50	11:59	8:7
Greenwich ...	...	4:5	12:6	8:8
Wick ...	...	3:34	12:18	9:1
Valencia ...	...	4:41	12:47	8:52

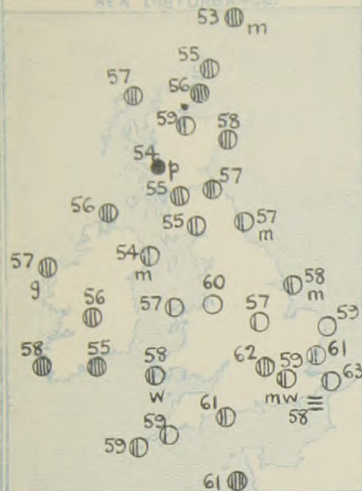
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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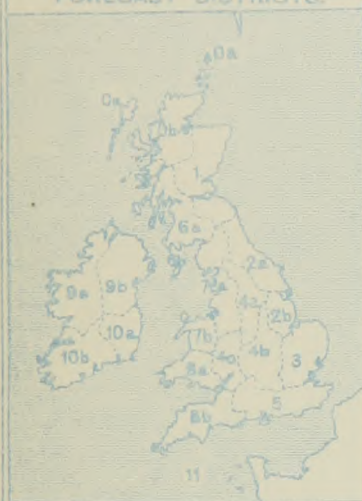


THE MORNING OF TUESDAY, 17<sup>TH</sup> JULY, 1917.

TEMPERATURE, WEATHER AND  
SEA DISTURBANCE.



FORECAST DISTRICTS.



# EXPLANATION.

BAROMETER.—Isobars are drawn for intervals of five millibars.

WIND.—Direction is shown by arrows lying with the wind.

Force, on the scale 0-12, is indicated by the number of feathers. Calm

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—

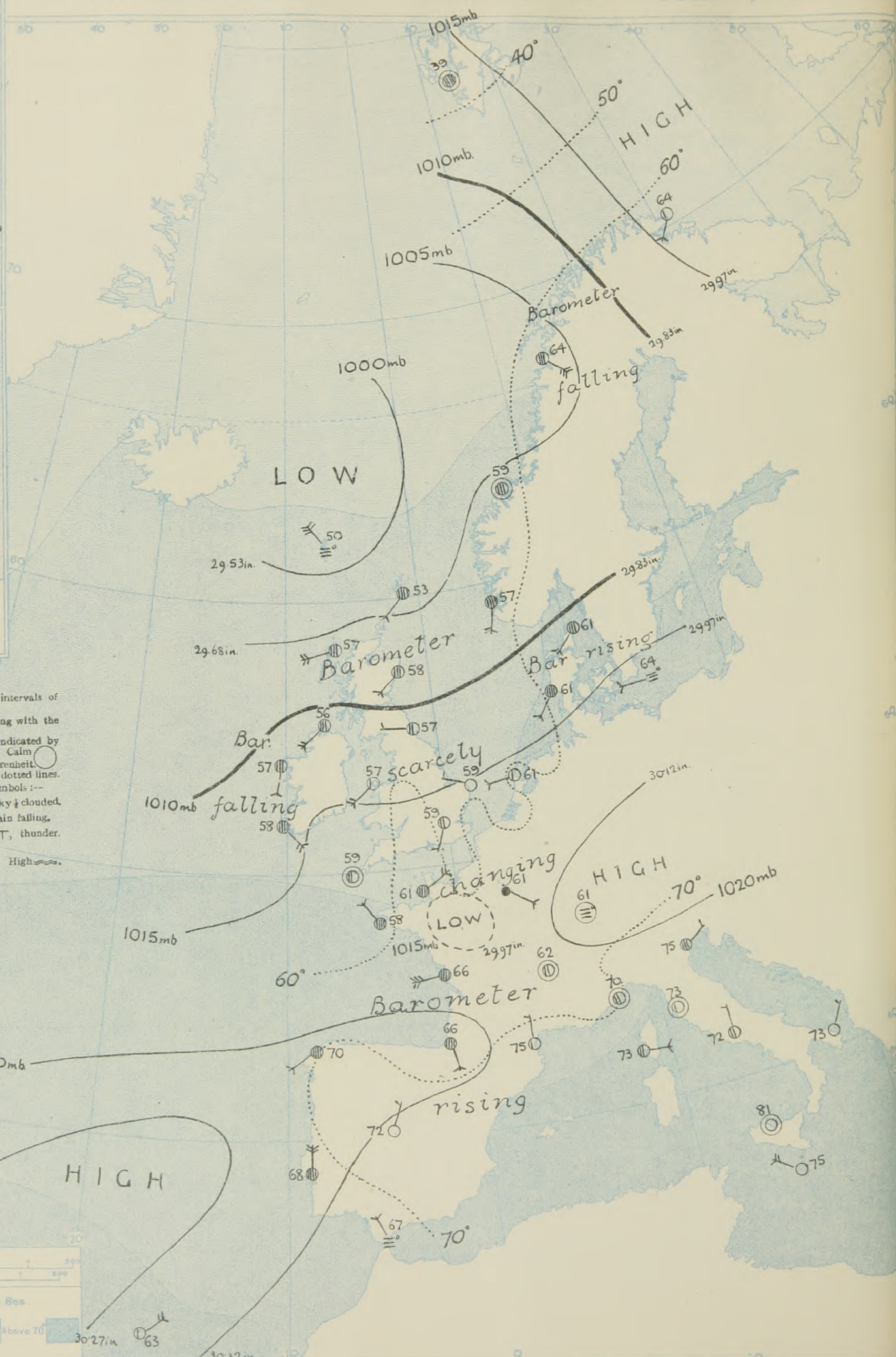
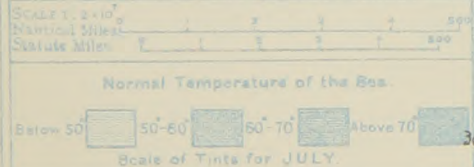
○ clear sky. ○ sky & clouded. ○ sky & clouded.

○ sky & clouded. ○ overcast sky. ● rain falling.

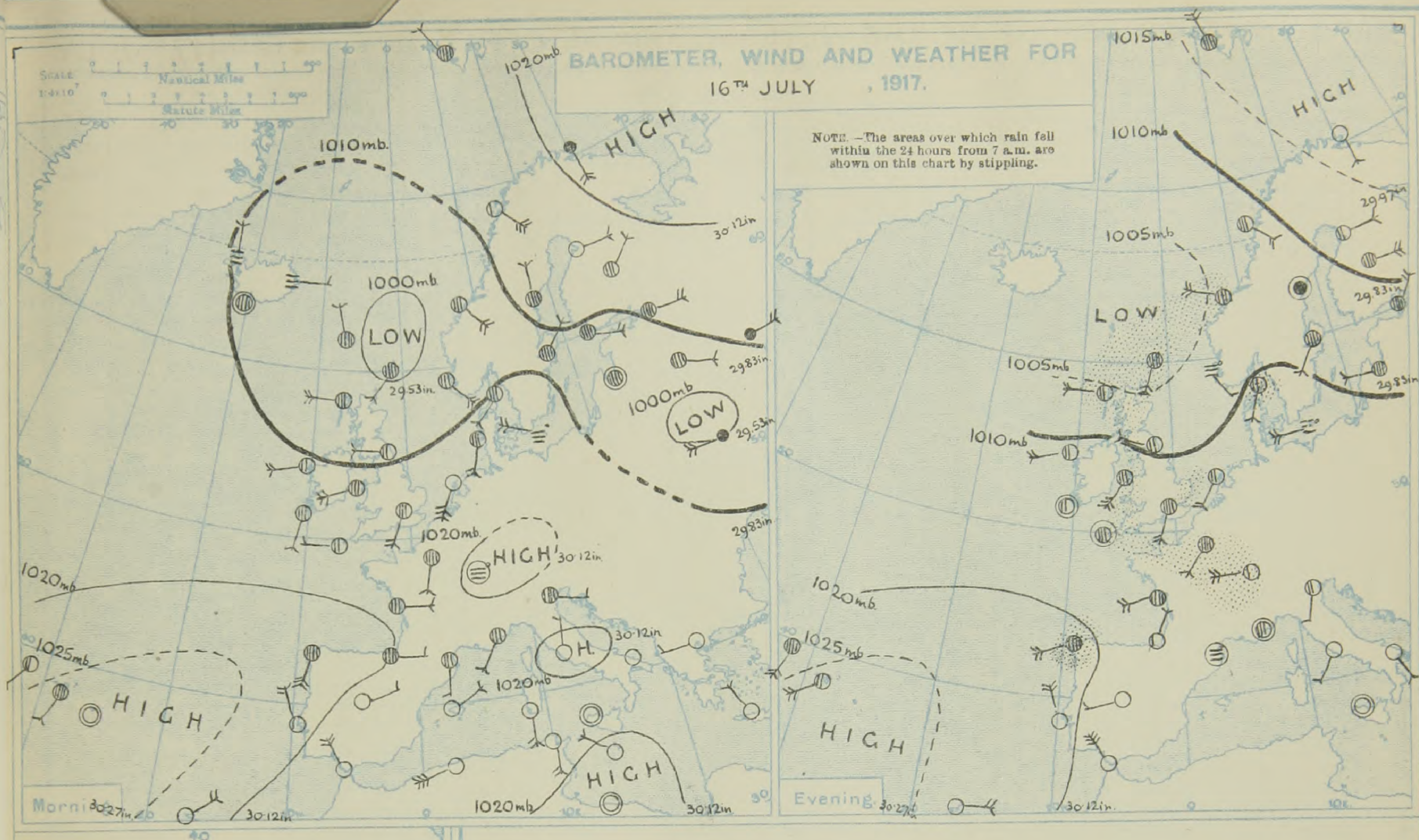
\* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.

⚡, thunderstorm.

SEA DISTURBANCE.—Rough ~~~~~ High ~~~~~.





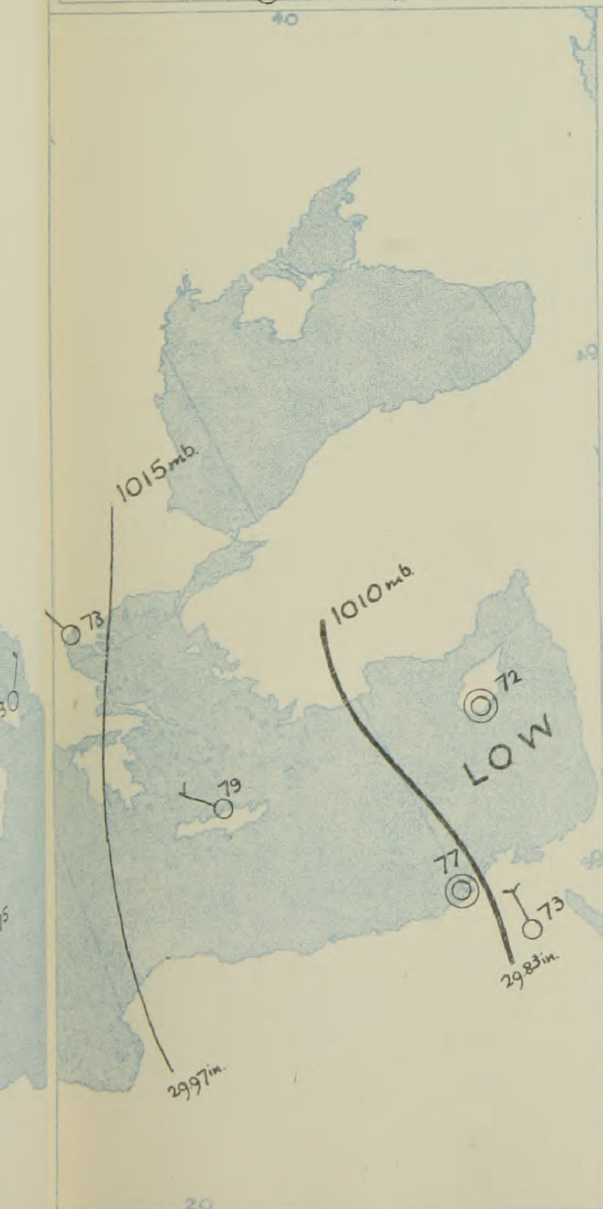


## THE PRESENT SITUATION

A depression lies to the North of Scotland, having remained almost stationary since yesterday morning. The general high pressure over the continent is broken into by a small depression over Northern France which is causing rain at Paris. A fresh disturbance is approaching Ireland from the Atlantic. Weather is for the most part fair over the British Isles. Local fog is reported at Dungeness.

## THE GENERAL OUTLOOK

The depression which is approaching our Western coasts is likely to cause unsettled weather over the country, with South and South-West winds. Conditions remain favourable for the passage of other depressions from the Atlantic to this country, so that no spell of settled weather is at present indicated.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 198. Tuesday, 17th JULY.

STATIONS.	EVENING OF 16th.					MORNING OF 17th.										24 HOURS ENDED 7 A.M.						Sun- shine for 16th.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon	Night.		
BRITISH ISLANDS.	Lerwick	1001.8	53	SSW	4	om	1003.4	0	53	-1	SW	2	-	om	2	11	54	52	amr	om	om	*
	Deerness (Oranney)	1004.7	60	W	4	bc	1006.4	0	55	+2	WSW	3	W	c	2	2	61	50	o.c	c.bc	cd.c	5.6
	Stornoway	1005.2	60	W	3	bc	1006.6	0	57	0	WSW	4	-	c	3	11	64	53	bc.op	op.bc	cp	6.5
	Castlebay (Barra Head)	1010.0	54	W	3	cp	1011.1	+1	55	-2	WSW	2	W	c	*	7	64	51	bc.c	cp	cp.c	5.1
	Glasgow	1010.4	58	WSW	3	c	1011.9	0	55	+1	SW	3	W	bc	*	4	63	41	bc.c	cd.c	ct	6.9
	Eskdalemuir	1010.9	60	W	4	bc	1011.3	0	56	0	SW	3	W	c	3	-	62	55	bc	bc	c	11.0
	Malin Head	1011.3	60	WSW	3	bc	1011.5	-1	57	0	SSW	2	W	cg	1	-	63	54	bc	bc	bc.b	*
	Blacksod Point	1011.7	61	WSW	3	bc	1013.0	-2	58	0	SE	3	W	o	3	-	64	51	c.bc	b.bc	bc.c	10.7
	Valencia (Cahirveen)	1014.3	60	SW	3	cp	1015.1	0	55	-3	-	0	-	o	2	3	64	49	b.bc.c	ogp	c.b.c	*
	Roche's Point	1012.0	64	SW	1	c	1013.7	0	56	0	S	1	-	c	*	1	63	49	cp	cp	c	4.1
	Donaghadee	1010.8	55	E	2	bc.m	1012.0	+1	54	-2	SW	2	SW	bc.m	1	2	63	52	emp	emp	emp.c	*
	Liverpool (Bidston)	1012.4	63	WSW	3	b	1014.1	0	60	+3	SSW	1	-	b	1	2	66	55	bc	bc	b	6.2
	Holyhead	1012.8	60	SW	5	cg	1014.0	+1	57	+1	SW	3	-	b	2	-	65	54	c.bc.b	b.bc.c	c.bc.b	9.6
	Pembroke (St. Ann's)	1014.9	61	WSW	2	bc	1015.2	0	58	+1	SSW	1	-	bc.w	1	0.1	63	56	c.bc	bc	bc.w	9.7
	Scilly (St. Mary's)	1015.5	64	-	0	c	1016.6	0	59	+1	-	0	W	bc	3	2	67	55	bc.c	o.c	bc	3.7
	Falmouth	1014.6	60	SSW	1	bc	1015.6	0	59	+2	NE	1	-	b	*	-	68	51	c.bc.c	og.c	bc.b	4.0
	Jersey (St. Aubin)	1016.7	63	SW	2	o	1015.6	0	61	+1	NE	3	-	o	2	5	69	59	bc.o	op.c.og	ogr.o	5.2
	Portland Bill	1015.4	59	SW	4	bc	1015.6	0	61	+3	-	0	-	bc	2	-	61	56	bc	bc	bc	*
	Dungeness	1015.2	62	SW	3	b	1015.5	0	58	-1	NNE	1	-	f	0	-	65	51	bc	bc	bc.b	*
	Dover	1015.7	60	SSW	4	b	1015.4	0	63	+5	SW	1	-	b	2	-	67	51	o.b.o.b	b	b	9.1
	Wick	1005.0	54	-	0	o	1006.3	+2	56	+1	W	2	-	o	1	12	61	52	omgp	omp	omp	*
Nairn	1006.3	62	W	3	cm	1007.1	0	59	+2	W	3	-	bc	2	0.1	69	52	bc.c	bc.c	c.bc	8.6	
Aberdeen	1006.2	60	-	0	optl	1006.4	+1	58	0	SW	2	-	c	2	16	66	50	c.op	cphtl	optl.c	4.2	
Leith	1008.8	60	W	2	c	1009.7	0	57	-1	W	2	W	c	3	-	67	52	b	bc	b.b.c	*	
Tynemouth	1009.7	63	WNW	2	bc.m	1012.3	+1	57	-3	W	1	W	bc.m	2	1	69	52	bc.m	cm.cln	bc.m	*	
Spurn Head	1012.6	62	NW	1	c	1013.8	0	58	0	WSW	1	-	bc.m	2	-	69	55	cp	c	bc.m	4.6	
Yarmouth (Gorleston)	1013.7	60	WSW	3	c	1015.2	+1	59	+1	WNW	1	-	b	1	9	71	53	b.bc	bc.c	bc.b	11.0	
Clacton-on-Sea	1014.6	62	SSW	2	c	1015.7	0	61	+2	W	1	-	bc	1	1	68	54	c.bc.c	cpv	cv.b.c	5.6	
Nottingham	1012.6	66	W	2	c	1014.7	0	57	-3	SW	1	SW	b	*	-	72	48	bc	c	cg	7.9	
Benson (Oxon.)	1013.9	64	SW	3	bc	1015.0	+1	62	+4	SW	1	SW	c	*	0.4	69	51	bc	bc	cmr	*	
Sth Farnborough	1014.5	62	WSW	2	o	1015.5	+1	60	-1	WSW	2	W	bc.w	*	2	69	53	cp.o	opm.c.o	o.b.m.b	3.5	
London (Kew Obs.)	1014.4	66	SSW	3	om	1015.7	+1	59	-3	SSW	1	W	bc.m	*	0.4	69	52	c.op.c	opm.c	om.b.c	5.8	
NORTHERN EUROPE.	Spitsbergen	1016.7	36	NNW	4	o	1014.8	-2	39	+2	-	0	-	o	*	*	39	34	*	*	*	*
	Vardö	1016.8	55	S	2	b	1013.8	0	64	+16	SW	2	-	b	2	*	57	41	*	*	*	*
	Bodö	1009.4	68	SE	3	c	1001.8	-3	64	-6	SE	5	-	c	2	*	75	57	*	*	*	*
	Christiansund	1005.6	61	WNW	3	c	1006.2	0	59	-11	-	0	-	c	3	4	72	57	*	*	*	*
	Skudesnaes	1007.9	57	WNW	1	m	1007.8	0	57	-2	SSW	3	-	o	3	-	59	50	*	*	*	*
	Færder (Kjølbyfjord)	1007.8	61	SSW	6	c	1007.9	+2	63	+2	WSW	6	-	b	3	-	64	57	*	*	*	*
	The Scaw (Skagen)	1011.1	61	SSW	2	bc	1011.1	+1	61	+2	SW	2	SW	c	2	10	60	54	*	*	*	*
	Blaavands Huk	1013.2	62	WSW	3	b	1013.6	0	61	0	SW	2	-	o	*	-	64	57	*	*	*	*
	Copenhagen	1013.0	68	WNW	3	bc	1015.0	+2	61	-3	WNW	2	-	bc	*	-	73	57	*	*	*	*
	Bornholm	1013.6	64	W	4	m	1015.4	+2	64	+1	W	2	-	m	0	-	66	59	*	*	*	*
FRANCE, &c.	The Helder	1014.4	63	SW	3	bc	1014.8	0	61	0	WSW	2	SW	b	1	-	68	59	*	*	*	*
	C. Gris Nez	1016.3	63	SW	2	bc	1016.6	+1	62	+5	SW	1	-	b	2	-	66	57	*	*	*	*
	La Hève	1017.1	60	WSW	3	b	1016.6	0	59	0	SE	3	-	o	2	-	75	54	*	*	*	*
	Brest (St. Mathieu)	1014.3	57	S	3	o	1017.5	+1	58	-3	NW	2	-	o	2	6	64	57	*	*	*	*
	Rochefort (Ile d'Aix)	1019.2	68	WSW	4	o	1019.5	+1	66	+1	WSW	5	-	o	*	2	73	64	*	*	*	*
	Biarritz	1019.5	73	NNE	2	b	1021.1	+2	66	+1	SSE	2	-	o	2	-	75	63	*	*	*	*
	Paris	1017.5	68	SW	2	o	1017.0	-1	61	+1	SE	2	-	r	*	16	73	59	*	*	*	*
	Belfort	1018.7	70	W	4	b	1020.4	*	61	-2	-	0	-	m	*	1	76	56	*	*	*	*
	Lyons	1019.0	67	-	0	o	1019.9	*	62	+1	-	0	-	bc	*	11	74	56	*	*	*	*
	Nice	1018.6	68	-	0	c	1017.0	+1	70	0	-	0	-	bc	0	-	80	59	*	*	*	*
Perpignan	1017.4	79	-	0	m	1019.6	+2	75	+2	N	1	-	b	2	-	82	63	*	*	*	*	
Sanguinaire	1017.0	79	NW	3	c	1017.1	*	73	-	E	2	-	bc	2	-	90	79	*	*	*	*	
SOUTHERN STATIONS.	Corunna	1021.6	68	WSW	4	o	1021.4	+1	70	+6	SW	2	-	o	2	9	73	64	*	*	*	*
	Madrid	1013.8	58	WSW	1	b	1019.6	+2	72	-1	NNE	1	-	b	*	-	90	63	*	*	*	*
	Lisbon	1021.9	73	NW	4	c	1022.3	+1	68	+5	N	4	-	o	5	-	77	66	*	*	*	*
	Azores (Horta)	1026.1	*	SW	4	bc	1023.8	0	66	-2	SW	5	-	c	3	-	79	66	*	*	*	*
	Madeira	1023.1	72	E	3	b	1023.2	0	63	0	NE	3	-	b	2	-	73	61	*	*	*	*
	Gibraltar	1017.9	71	NW	6	b	1017.9	*	67	-1	NW	2	-	m	2	-	82	66	*	*	*	*
	Malta	*	*	*	*	*	1018.0	+1	75	+2	NW	3	-	b	1	-	79	72	*	*	*	*
	Limassol	*	*	*	*	*	1007.2	+2	72	-12	-	0	-	b	0	-	95	63	*	*	*	*
	Alexandria	1010.8	75	N	3	b	1010.8	0	77	0	-	0	-	b	0	-	84	72	*	*	*	*
	Cairo (Heliwan)	1009.0	84	N	0	b	1009.2	-1	73	-2	N	2	-	b	*	-	93	70	*	*	*	*
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 16th.	24 HOURS ENDED 9 h. 17th.				SOUTH KENSINGTON.													
		15 h.	9 h.		Max.	Min.	Rain- fall.	Weather.	Vertical Component of Solar Radiation per square Centimetre during 16th.													
GREENWICH (Royal Observatory)		89	65	4.6	71	51																



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON TUESDAY, 17<sup>TH</sup> JULY 1917.

Heavy rain fell at many stations in the West. Temperature rose to 76° at South Farnborough and London, but in most places remained below 70°. In the South-East of the country sunshine measurements were good, but further West there was much cloud throughout the day.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR TUESDAY, 17<sup>TH</sup> JULY UP TO 17 H.

STATIONS.	Sun- shine for 16 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 17 <sup>th</sup>	STATIONS.	Sun- shine for 16 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 17 <sup>th</sup>
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.						Mm.	Mm.	° F.	° F.			
Scotland.									England, E.								
Oban ...		6	5	61	52			4.2	Lowestoft ...	10.6	1	-	68	54	c.bc.c	c.op.c	8.0
Banff ...	15.2	2	3	65	49	bcp.r	bcp.r	6.1	Felixstowe ...	6.0	-	-	67	54	bc	bc	8.1
Montrose ...	7.4	-	2	69	60	o	b	6.0	Walton-on-Naze ...	6.8	-	-	68	54	b.bc.b	b.bc	10.5
St. Andrews ...	11.8	-	-	70	51	bc	c	8.7	Southend-on-Sea ...	3.8	Trace	-	74	54	bc.c	bc.cv	7.7
Carnoustie ...	*	*	*	72	61			9.6									
England, N.W.									England, S.E.								
Harrogate ...	11.6	-	-	70	53	bc.b	bc.c	5.3	Margate ...	6.1	-	-	74	53	b.bc.c	c.bc.b	9.0
Skegness ...	9.7	3	-	71	50	bc	bc	11.0	Hastings ...	8.4	-	-	67	53	o.bc.b	b.bc	6.3
									Eastbourne ...	9.0	-	-	68	55	bc.b	bc.b	6.1
									Seaford ...		-	-	70	53	bc	b	5.1
									Brighton ...		-	-					
Morecambe ...	6.9	-	-	67	57			9.4	Worthing ...	10.7	-	-	68	52	bc	bc	6.0
Southport ...	6.5	-	-	66	58	b.bc.c	bc.c.bc.c	9.7	Littlehampton ...		-	-					
									Bognor ...		-	-					
									Bournemouth ...	9.0	-	-	69	53	c	c.o	5.9
Midlands.									England, S.W.								
Leamington Spa ...									Weymouth ...	*	*	*	69	52	bey	bey	3.5
Malvern ...									Torquay ...	6.0	-	Trace	67	53	bc.c	c.op	5.9
Ross-on-Wye ...	4.6	-	-	72	46	wbc.b	b.bc	7.2	Paignton ...		-	-					
									Penzance ...	5.1	-	3	65	52	c.bc	c.or	4.4
									Newquay ...	5.7	-	1	63	50	b.o	or	2.6
Wales.									Bude ...	4.9	-	2	65	50	bc.c	or	5.0
Rhyl ...	9.8	-	-	64	56	bc	bc.c.o	7.1	Ilfracombe ...	8.9	-	Trace	63	56	bc.	c.o	5.1
Colwyn Bay ...		-	-	66	57	c	c	8.1	Weston-s-Mare ...	10.5	-	-	68	54	bc.b	bc.c	6.5
Llandudno ...	*	*	*	66	55	b	bc	6.8									
Aberystwyth ...	*	*	*	64	55	ac	c.o	4.0									

REPORTS FROM FOREIGN STATIONS FOR TUESDAY, 17<sup>TH</sup> JULY

STATIONS.	EVENING OF 16 <sup>TH</sup>					MORNING OF 17 <sup>TH</sup>					MORNING OF 17 <sup>TH</sup>				
	Barom.	Temp.	Wind.	Force	Weather.	Barom.	Temp.	Wind.	Force	Weather.	Barom.	Temp.	Wind.	Force	Weather.
	Millibars at M.S.L.	° F.	Dir.	0-12		Millibars at M.S.L.	° F.	Dir.	0-12		Millibars at M.S.L.	° F.	Dir.	0-12	
RUSSIA 7 a.m. and 9 p.m. Local Time.															
Archangel ...	1018.6	59	ENE	2	b	1004.4	-2	64	ENE	2	b	-	52		
Gorki ...	1004.7	63	-	0	b	1006.1	*	64	ESE	1	o	7	57		
Veliki Luki ...	1004.7	63	-	0	c	1005.9	*	59	-	0	f	-	56		
Hangö ...	1005.5	64	ESE	2	o	1007.1	61	-5	WNW	2	o	1	57		
Riga ...						1010.0	63	-3	WNW	2	o	50	59		
Petrograd ...	1007.3	72	E	3	o	1007.5	66	-2	E	2	o	-	64		
Moscow ...	1005.7	72	-	0	clr	1004.8	63	-19	-	0	o	70	61		
Kiev ...	1007.5	63	W	5	o	1010.4	61	0	WNW	4	b	-	57		
Kharkov ...															
Kishinev ...															
Elisabetgrad ...															
Nicolaiev ...															
Odessa ...															
Tarkhankout ...															
Soukhom ...															
MEDITERRANEAN.															
Venice ...	1015.4	77	SSW	1	bc	1016.5	*	75	0	NE	1	c	82	73	
Pesaro ...	1015.9	77	-	0	c	1016.9	*	79	+2	-	0	bc	82	72	
Rome ...	1019.7	75	SW	1	b	1018.5	*	72	-1	N	1	bc	89	64	
Viesti ...	1018.7	77	-	0	b	1016.5	*	75	-2	SSE	1	b	79	72	
Brindisi ...	1018.4	77	SE	2	b	1016.1	*	73	+3	NE	1	b	82	68	
Cagliari ...						1015.8	*	75	+2	SE	2	b	84	63	
Palermo ...	1019.9	77	-	0	b	1018.7	*	81	+4	-	0	b	81	63	
Tripoli ...						1019.9	*	75	-2	-	0	b	82	66	
Algiers ...	1016.8	77	NW	4	b	1018.6	-2	73	0	-	0	m	86	70	
SWEDEN.															
Hernösand ...	1006.8	59	-	0	r	1009.3	*	63	0	-	0	bc	*	*	
Stockholm ...	1007.1	63	SW	2	o	1009.2	*	61	-2	WNW	4	c	*	*	
Wisby ...	1008.8	61	SW	2	c	1011.8	*	63	+4	W	4	b	*	*	

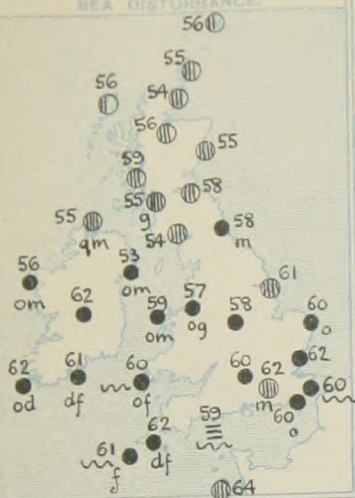
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM

STATIONS.	18 <sup>TH</sup> AND 19 <sup>TH</sup> JULY 1917.		
	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.51 3.52	11.59 11.59	8.6 8.5
Greenwich ...	4.5 4.7	12.6 12.6	8.7 8.6
Wick ...	3.35 3.37	12.18 12.18	9.0 8.59
Valencia ...	4.42 4.44	12.47 12.47	8.51 8.50

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

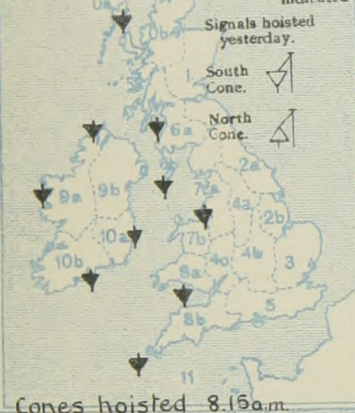
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STORM WARNINGS.

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



Cones hoisted 8.15a.m



EXPLANATION.

**BAROMETER.**—Isobars are drawn for intervals of five millibars.

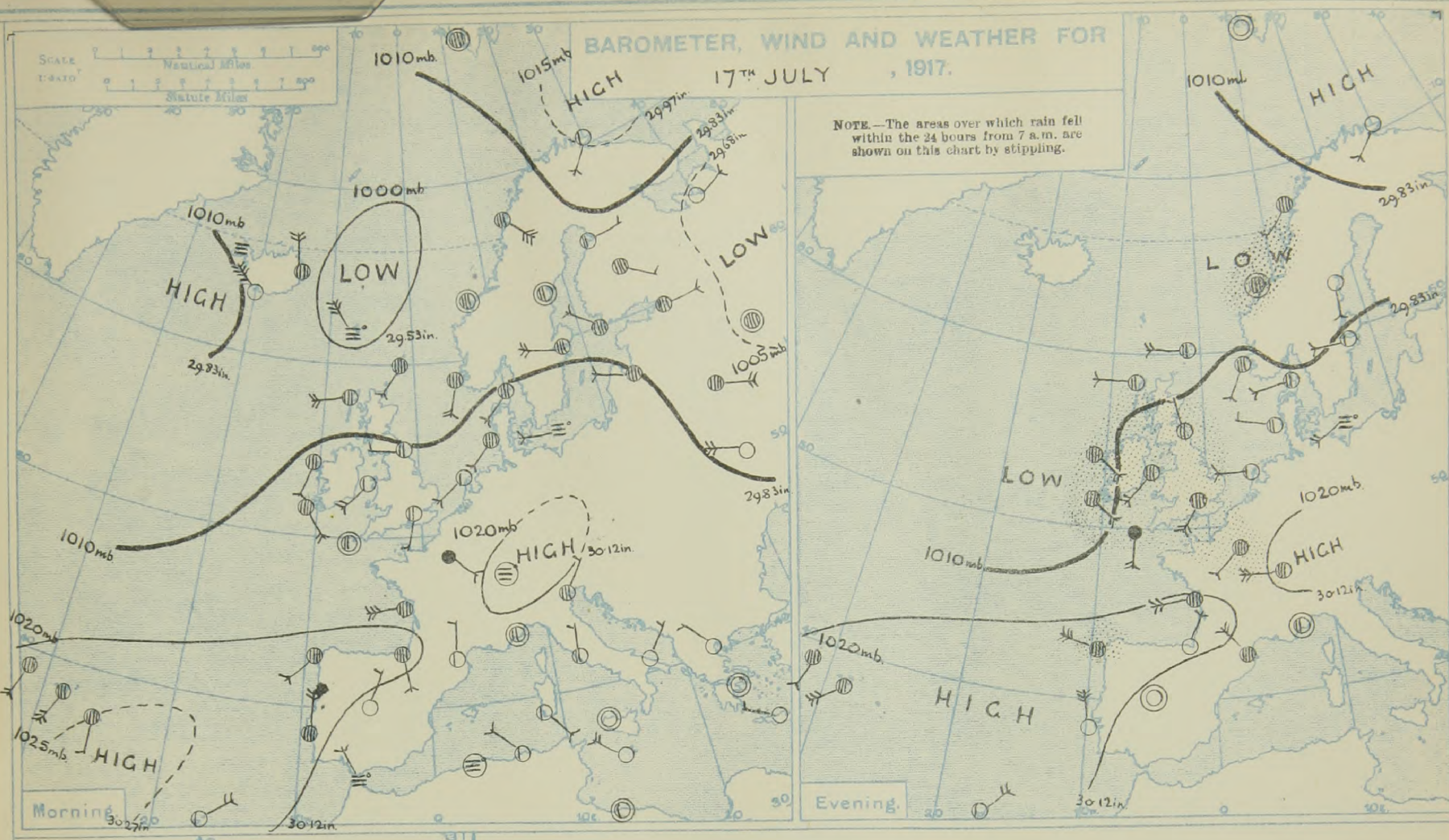
**WIND.**—Direction is shown by arrows flying with the wind.  
Force, on the scale 0-12, is indicated by the number of feathers. Calm

TEMPERATURE.—Given in degrees Fahrenheit.  
Isotherms shown by dotted lines.

**WEATHER.**—Shown by the following symbols:—  
 ○ clear sky.    ◐ sky  $\frac{1}{2}$  clouded.    ◑ sky  $\frac{1}{2}$  clouded.  
 ◒ sky  $\frac{3}{4}$  clouded.    ◓ overcast sky.    ☉ rain falling.  
 ✱ snow.    ▲ hail.    ≡ fog.    ☉ mist.    T, thunder.  
 K, thunderstorm.

SEA DISTURBANCE.—Rough  High .



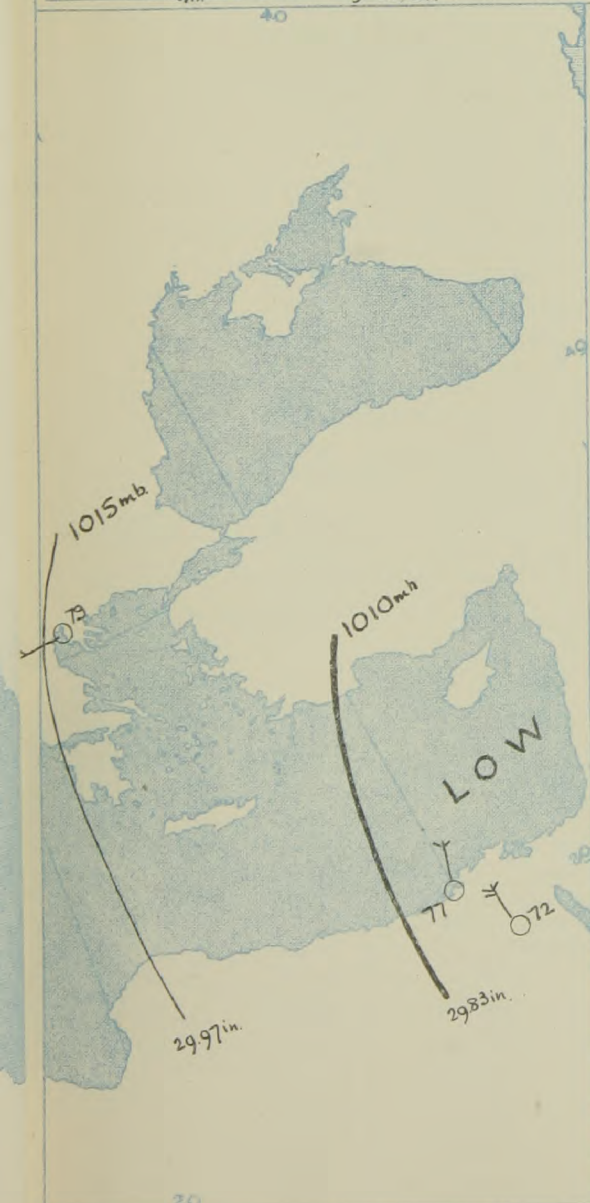


### THE PRESENT SITUATION

A rather deep depression lies off the West coast of Ireland, and the whole of the British Isles have now come within its influence. The wind has reached force 7 at Falmouth and 6 at some other stations in the West. In Scotland it remains very light. Rain is falling at almost all stations in England and Ireland, and fog is reported at Pembroke and Roche's Point.

### THE GENERAL OUTLOOK

The depression is likely to spread further Eastward with a continued fall of the barometer and then to move in a North-Easterly direction, giving fairer weather in the South for a time. Other depressions may, however, be expected in its rear.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 199. 18th JULY

STATIONS	EVENING OF 17th					MORNING OF 18th										24 HOURS ENDED 7 A.M.						Sun- shine for 17th.
	Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 2 hours	TEMP.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Direc.	Force 0-12.					Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	1008.1	58	W	3	bc	1010.3	0	56	+3	SW	1	-	bc	1	-	59	53	c	bc	c.bc	
	Deerness (Orkney)	1009.5	7	W	3	c	1010.1	*	55	0	E	3	SW	c	1	-	63	50	c	c.	c	8.8
	Stornoway	1009.3	62	W	2	bc	1008.4	-2	56	-1	S	1	-	bc	1	3	64	48	cp	c.bc	c.bc	7.0
	Castlebay (Barra Isd.)																					
	Glasgow	1012.0	61	SW	2	c	1007.8	-4	55	9	E	3	-	og	*	1	66	51	cd.c	c	c.o	5.1
	Esksdalemuir	1012.9	57	SW	2	o	1007.9	-4	54	-1	E	2	-	o	0.4	61	50	bcw.c	ogr.od	o.o.m.o	3.9	
	Malin Head	1011.0	57	SE	2	c	1003.6	-5	55	-1	SSE	6	-	omq	3	1	62	54	emp	ep	omq	0.8
	Blacksod Point	1007.9	59	SE	3	og	997.3	-7	56	-1	SSE	3	-	omr	3	9	61	55	og	ogp	og.omr	
	Valencia (Cahirciveen)	1006.5	62	SE	3	o	996.7	-5	62	+4	S	5	-	cd	4	20	62	57	or	or.p.	odr.od	0.0
	Roche's Point	1010.6	58	S	4	r	1000.4	*	61	+6	SW	4	-	fd	4	21	61	55	or	r	fd	
	Birr Castle	1010.0	59	SW	1	o	997.6	*	62	+6	SSE	1	-	r	*	9	66	55	o.e	o.cp	or	1.5
	Donaghadee	1011.4	60	SSE	2	cm	1004.4	-6	53	-1	SE	4	-	omr	3	1	65	52	em	emp	cm.omr	
	Liverpool (Bldston)	1013.6	61	W	1	o	1005.9	-5	57	-3	ESE	3	E	ogr	2	2	66	56	b	bc.o	op.or	8.2
	Holyhead	1013.4	59	SW	3	cmg	1003.5	-7	59	+2	SSE	5	-	omr	4	6	65	56	c.bc.c	c.op.c	o.op.or	6.4
	Pembroke (St Ann's)	1012.6	57	SSE	2	or	1005.0	-6	60	+2	S	5	-	ogr	5	16	62	55	bc.c.o	o.or	or.ogr	3.4
	Scilly (St. Mary's)	1012.4	60	S	3	omr	1009.0	-2	61	+2	SW	4	SW	mr	5	20	64	60	c.op	omr	fr	2.5
	Falmouth	1014.3	57	S	3	or	1009.0	0	62	+3	SW	7	-	dq	13	67	57	b.de.og	og.ort	rg.dq	4.3	
	Jersey (St. Aubin)	1016.7	66	SW	2	cg	1014.8	*	64	+3	SW	2	-	e	3	1	68	60	o.b.o.c	o.c.og	ogp	2.2
	Portland Bill	1015.7	59	SW	2	o	1010.6	-2	59	-2	SW	6	-	m	5	6	64	57	bc.c	c	c.or.c	
	Dungeness	1016.1	63	WSW	1	bc	1013.0	-2	60	+2	SW	4	-	or	4	5	68	57	f.bc	bc	c.op.or	
	Dover	1016.4	63	SSW	2	c	1012.4	-2	60	-3	SW	5	SW	r	6	4	71	57	bc.c	c.bc.c	c.oprm	10.0
Wick	1009.7	54	WNW	1	r	1009.7	-2	54	-2	SSE	1	-	c	1	12	62	50	a.emp	omr	omr.c		
Nairn	1009.6	61	W	2	c	1008.1	*	56	-3	E	1	-	c	1	1	67	47	bc.cp	bc.dd	c.bc.c	6.7	
Aberdeen	1010.7	59	NNE	1	c	1009.7	-1	55	-3	-	0	SW	o	2	17	66	46	cp.bc	cpht	bc.c.o	4.1	
Leith	1010.6	66	W	1	bc	1007.9	-1	58	+1	E	1	E	c	1	-	67	56	c.bc.b	b	bc.coe		
Tynemouth	1012.7	64	NNW	1	omp	1009.3	*	58	+1	WSW	2	-	rm	2	Trace	69	52	emp	emp	om		
Spurn Head	1013.9	64	WNW	2	cm	1010.7	-2	61	+3	S	1	-	o	2	Trace	68	58	bc	bcm	om	5.8	
Yarmouth (Gorleston)	1015.2	66	SSW	3	bc	1011.6	-2	60	+1	SSW	3	-	or	3	1	68	58	bc	bc	or	11.6	
Clacton-on-Sea	1013.2	67	S	2	bc	1012.0	-2	62	+1	S	3	S	r	2	5	68	58	bcx	bcx	bc.ogr	10.6	
Nottingham	1013.8	69	SW	2	o	1009.0	-4	58	+1	SSE	2	S	r	1	1	74	57	bc.c	bc.c	od	8.4	
Benson (Oxon.)	1014.4	66	SSW	2	o	1009.0	-4	60	-2	S	3	-	r	*	9	73	55	bc	c	cl		
Sth Farnborough	1015.1	67	WSW	3	o	1010.3	-2	61	+1	SSW	3	-	omr	*	6	76	58	bc	cz.o	odrm	8.7	
London (Kew Obsy.)	1015.3	70	SW	4	o	1010.7	-3	62	+3	S	3	-	om	*	6	76	58	bcw.c	c.op.cw.c	o.omr.om	7.3	
NORTHERN EUROPE.	Spitsbergen	1014.6	39	-	0	b	1011.2	-1	43	+4	N	1	*	c	*	*	43	36				
	Vardö	1013.4	57	SW	2	b	1012.6	-1	63	-1	SW	3	-	b	1	13	60	54				
	Bodö	1009.2	55	SW	1	o	1002.7	0	54	-10	-	0	-	o	0	13	64	50				
	Christiansund	1009.2	57	-	0	c	1011.9	+1	55	-4	SW	4	-	o	3	13	64	54				
	Skudesnaes	1011.2	57	SW	2	c	1012.7	+1	63	+6	S	1	-	b	2	-	61	54				
	Færder (Xlantia Fjord)	1009.9	63	SW	6	b	1012.6	+2	61	-2	WSW	4	-	b	2	-	64	59				
	The Scaw (Skagen)	1013.8	64	WSW	2	bc	1014.8	+2	59	-2	WSW	3	SW	bc	3	-	66	52				
	Blaavands Huk	1016.2	64	WNW	1	bc	1017.1	*	63	+2	SSW	1	-	o	*	1	66	57				
	Copenhagen	1015.5	64	N	1	r	1017.2	+1	63	+2	-	0	-	c	2	3	72	57				
	Bornholm	1015.9	64	WSW	3	m	1017.5	+1	64	0	SW	1	-	m	0	-	68	59				
FRANCE, &c.	The Helder	1016.4	64	W	2	b	1014.0	-2	63	+2	S	2	-	o	1	-	66	59				
	C. Gris Nez						1016.0	*	61	+2	WSW	4	*	r	3	2	73	57				
	La Hève	1016.3	64	-	0	c	1015.9	*	61	+3	SW	5	*	m	4	-	66	57				
	Brest (St. Mathieu)	1016.3	61	6	4	f	1021.2	0	66	0	WSW	4	*	o	*	-	75	64				
	Rochefort (Ile d'Aix)	1020.7	68	WSW	4	o	1023.2	0	68	+2	ESE	3	*	c	2	-	79	64				
	Biarritz	1022.6	75	NNE	2	b																
	Paris	1017.0	68	-	0	bc	1017.9	0	66	+8	SSW	2	-	r	*	6	73	59				
	Belfort	1020.6	65	W	4	c	1022.8	*	63	+2	W	4	*	c	*	25	76	60				
	Lyons	1018.8	76	-	0	bc	1022.2	*	70	+8	-	0	*	b	*	-	80	62				
	Nice	1016.7	73	-	0	bc	1018.7	+2	71	+1	-	0	*	b	*	-	80	61				
Perpignan	1019.9	60	NW	3	o	1023.0	+1	75	0	N	1	*	b	*	-	90	66					
Sanguinaire	1017.2	73	N	3	b	1018.2	*	73	0	E	3	*	b	4	-	90	66					
SOUTHERN STATIONS.	Corunna	1023.9	68	WNW	5	o	1024.8	+1	66	-4	S	1	-	c	5	1	72	64				
	Madrid	1015.8	88	SSW	1	b	1021.0	+2	75	-	0	-	-	b	*	-	91	68				
	Lisbon	1020.4	77	NW	5	b	1020.6	0	72	+4	N	3	-	b	5	-	80	66				
	Azores (Horta)	1023.0	*	SW	5	c																
	Madeira	1022.0	72	NE	3	b	1022.4	-1	64	+1	NE	3	-	b	3	-	72	64				
	Gibraltar																					
	Malta						1017.0	0	75		NW	3	-	b	1	-	79	72				
	Limassol																					
	Alexandria	1009.6	75	N	2	b	1009.1	0	77	0	NNE	2	-	b	1	-	86	72				
	Cairo (Helwan)	1008.2	86	N	3	b	1008.4	0	72	-1	N	3	-	b	*	-	95	68				
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 17th	TEMPERATURE.			Rain- fall.	WEATHER.			Vertical Component of Solar Radiation per square Centimetre during 17th.			The thermometers at Greenwich and Camden Square are in Glaisher screens.							
		25 h.	9 h.		Max.	Min.	Min. on Grass		Morn- ing.	After- noon.	Night.											
GREENWICH (Royal Observatory)		52	98	7.5	77	57	57	8	bc	bc	or	1700			29.4			82.				
CITY (Bunhill Row)				5.7																		
WESTMINSTER (St. James's Park)		52	93		74	59	57	10	bc	bc.o	or											
CAMDEN SQ. (British Rainfall)		52	94	6.3	78	58	58	8	bc.o	bc.o	*											
HAMPSTEAD (Reservoir)			99	6.3	71	55	50		</													



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON WEDNESDAY, 18<sup>TH</sup> JULY, 1917.

Temperature remained below 70° except at a few English stations and failed to touch 60° in some Irish and Scottish localities. The minima of the night, however, were high generally - about 60° in the southern counties. Rain fell in all places, the largest measurements being in Scotland; at Eskdalemuir the value was 39 mm. Little or no bright sunshine was recorded except in the Hebrides.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR WEDNESDAY, 18<sup>TH</sup> JULY.. UP TO 17 H.

STATIONS.		Sun- shine for 17 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 18 <sup>th</sup>	STATIONS.		Sun- shine for 17 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 18 <sup>th</sup>
			Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.					Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
			Mm.	Mm.	° F.	° F.			Hr.				Mm.	Mm.	° F.	° F.			Hr.
Scotland.	{ Oban ... ..	5.4	-	3	62	53	c	or	0.2	England, E.	{ Lowestoft ... ..	8.5	5	Trace	69	61	or	o.c.op	0.3
	{ Banff ... ..	6.5	-	-	64	47	bc.	c.o	3.2		{ Felixstowe ... ..	8.3	3	3	69	59	or. bc	bc. cr	0.6
	{ Montrose ... ..	6.2	-	5	58	54	o	o	0.0		{ Walton-on-Naze ... ..								
	{ St. Andrews ... ..	10.1	-	8	64	52	o	op	0.0		{ Southend-on-Sea ... ..	7.7	10	2	68	58	or	or	0.0
	{ Carnoustie ... ..	*	*	*	59	55	op	r	6.0										
Eng. N.E.	{ Harrogate ... ..	5.4	2	7	66	55	or	or. pe	0.3	England, S.E.	{ Margate ... ..	10.1	4	1	68	59	or	cp	0.3
	{ Skegness ... ..	11.0	2	2	68	58	or	or. bc	0.3		{ Hastings ... ..	6.6	4	3	63	58	or	or	0.0
Eng. N.W.	{ Morecambe ... ..	9.5	Trace	8	68	58			0.3		{ Eastbourne ... ..	6.6	4	5	63	58	or.o.bc	o. tr	0.0
	{ Southport ... ..	9.7	4	3	70	57	or.c.bc	bc.cq.co	2.2		{ Seaford ... ..	5.6	*	*	66	57	r	o.r	0.0
											{ Brighton ... ..	5.7	9	-	62	59	o.r	o.r	0.0
											{ Worthing ... ..	6.0	11	1	64	59	or	r	0.0
											{ Littlehampton ... ..								
Midlands.	{ Leamington Spa ... ..									{ Bognor ... ..									
	{ Malvern ... ..									{ Bournemouth ... ..	5.9	8	2	62	58	o	o	0.0	
	{ Ross-on-Wye ... ..	7.2	7	4	67	54	or	or.cm	0.1										
Wales.	{ Rhyl ... ..	7.1	5	4	69	46	or	bc.p.op	2.9	England, S.W.	{ Weymouth ... ..	*	*	*	63	57	m.oed	opem	0.0
	{ Colwyn Bay ... ..	*	*	*	69	57	r. cp	cp	4.3		{ Torquay ... ..	5.9	5	6	65	58	or.tl	o.c.or	0.2
	{ Llandudno ... ..	*	*	*	71	57	r	c	2.3		{ Paignton ... ..								
	{ Aberystwyth ... ..	*	*	*	65	57	or.c	c.o	0.2		{ Penzance ... ..	4.4	17	1	65	59	or.	or.c	0.0
											{ Newquay ... ..	2.6	7	4	66	57	r	org	0.0
										{ Bude ... ..	5.0	18	8	65	50	ter	od	0.2	
										{ Ilfracombe ... ..	5.1	11	9	65	56	or	or	0.0	
										{ Weston-s-Mare ... ..		*	*						

REPORTS FROM FOREIGN STATIONS FOR WEDNESDAY, 18<sup>TH</sup> JULY.....

STATIONS.		EVENING OF 17 <sup>TH</sup>					MORNING OF 18 <sup>TH</sup>										MORNING OF 18 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.	
		° F.					↓	° F.	° F.						° F.	° F.			° F.	° F.			
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1015.1	68	ENE	3	b									*	*							
	Gorki ...	1010.3	61	W	2	b	1013.7	*	59	-5	S	3	b		*	54	Isafjord ...	1006.6	45	-5	N	6	f
	Velieki Luki ...	1009.0	64	SW	3	o	1012.0	*	63	+4	WSW	3	c		*	59	Reykjavik ...	1005.6	50	-4	NW	3	o
	Hangö ...	1010.4	61	-	0	c	1012.2	+2	61	0	NW	4	b	1	*	55	Vestmanna ...	1004.3	52	-2	NW	4	c
	Riga ...	1014.4	61	-	0	b	1016.0	+1	63		W	1	b	-	*	54	Seydisfjord ...	1001.6	52	+2	SSW	3	bc
	Petrograd ...	1006.4	66	SSE	2	o	1008.2	+1	63	-3	W	2	r	15	61		Thorshavn ...	1006.7	54	+4	W	3	m
	Moscow ...	1005.0	66	-	0	o	1008.7	+1	64	+1	-	0	o	-	*	63							
	Kiev ...	1015.0	63	NW	2	o	1016.3	+1	61	0	NW	2	c	-	*	55							
	Kharkov ...	1012.2	63	W	2	b	1012.8	*	63		NW	2	bc		*	59							
	Kishinev ...	1015.1	70	-	0	o	1016.0	+2	66		WNW	1	o	1	*	63							
MEDITERRANEAN.	Elisabetgrad ...						1016.8	*	63		NW	1	o	-	*	57							
	Nicolaiev ...	1015.9	73	SW	2	o	1016.2	*	64		-	0	o	4	*	63	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Odessa ...	1016.6	73	SSW	3	r	1016.8	+1	68		NE	2	c	-	*	64							
	Tarkhankout ...														*								
	Soukhoum ...	1018.1	75	-	0	b	1017.3	-1	75		-	0	b	-	*	66							
	Venice ...	1016.6	77	-	0	bc	1018.3	*	73	-2	NE	1	c	-	80	70	19 <sup>TH</sup> AND 20 <sup>TH</sup> JULY 1917.						
	Pesaro ...	1016.5	77	-	0	bc	1018.6	*	75	-4	WSW	1	bc	-	86	66	Sunrise. Noon. Sunset.						
	Rome ...	1017.9	78	SW	1	bc	1014.8	*	73	+1	-	0	b	-	88	63	G.M.T. G.M.T. G.M.T.						
	Viesti ...	1016.4	79	WSW	1	bc	1014.1	*	77	+2	NW	2	bc	-	82	72	Yarmouth ... { 3.52 11.59 8.5						
	Brindisi ...	1014.5	79	-	0	b	1015.3	*	77	+4	NW	1	bc	-	84	72	{ 3.54 11.59 8.4						
SWEDEN.	Cagliari ...	1015.1	84	NW	5	b	1018.5	*	75	0	NW	5	b	-	86	79	Greenwich ... { 4.7 12.6 8.6						
	Palermo ...	1018.1	77	-	0	b	1017.2	*	79	-2	-	0	bc	-	88	63	{ 4.8 12.6 8.5						
	Tripoli ...	1019.8	73	-	0	b	1019.9	*	75	0	-	0	b	-	82	66	{ 3.37 12.18 8.59						
SWEDEN.	Algiers ...	1019.0	73	NE	2	b	1020.7	-2	71	-2	ENE	3	m	-	80	71	{ 3.39 12.18 8.57						
	Hernösand ...	1005.9	57	S	2	b	1007.3	*	68	+5	-	0	b	*	*	*	{ 4.44 12.47 8.50						
	Stockholm ...	1010.2	70	W	2	b	1013.3	*	64	+3	W	2	b	*	*	*	{ 4.46 12.47 8.44						
SWEDEN.	Wisby ...	1012.6	66	WSW	2	b	1015.5	*	64	+1	WSW	2	b	*	*	*	{ 4.46 12.47 8.44						

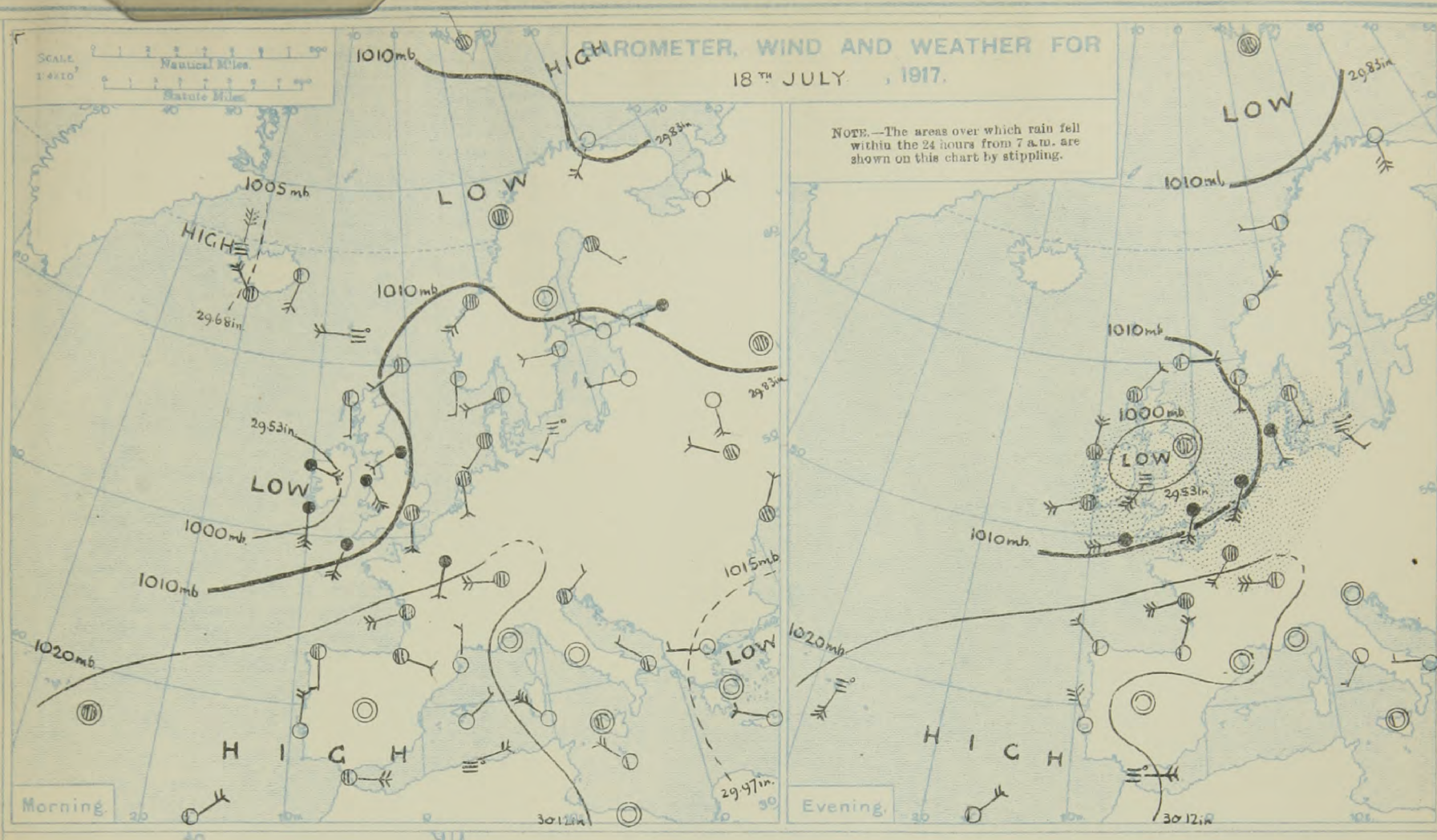
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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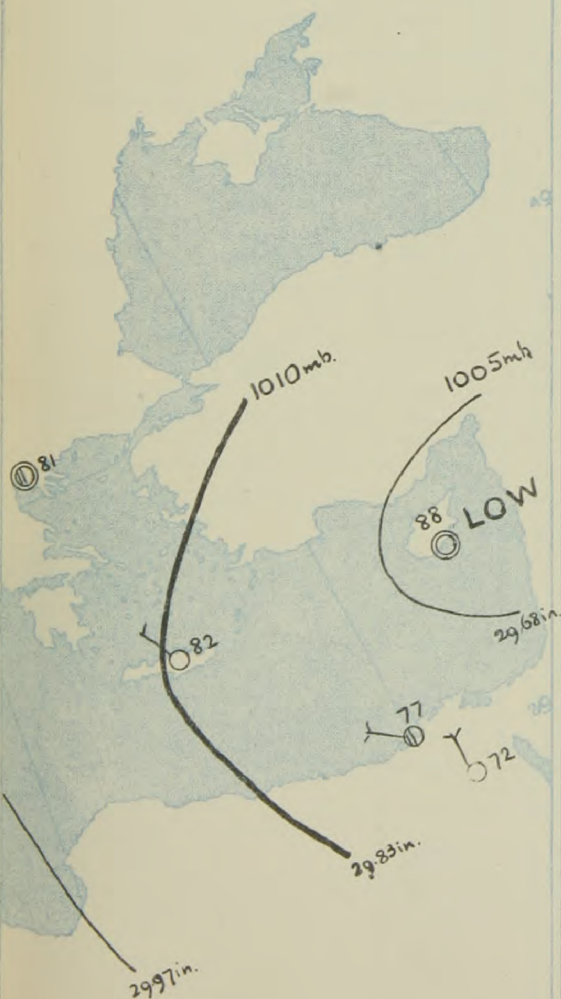


### THE PRESENT SITUATION

The depression which passed over this country in the course of yesterday is now lying over the North Sea. Winds show complete cyclonic circulation around it, of no great strength in the north, but reaching gale force from the South-West in the Straits of Dover and at the Helder. Other stations along the English Channel report wind forces of 6 or 7. There is much cloud over the country, but rain is now falling only at a few Scottish stations and in Denmark. There is thick fog in the neighbourhood of the Orkney.

### THE GENERAL OUTLOOK

Although the barometer is rising at all stations in Great Britain, the wind has not veered beyond West on our South-West coasts. This, in association with the readings from the Azores, seems to indicate that further depressions over the Atlantic are likely to reach the Irish coast shortly and maintain a cloudy, unsettled type of weather over this country, with South or South-West winds





STATIONS.	EVENING OF 18th					MORNING OF 19th										24 HOURS ENDED 7 A.M.					Sun- shine for 18th Hours.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
			Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.																					
Lerwick	1005.8	57	E	2	bcm	1008.0	0	52	-4	NE	4	-	m	4	-	60	51	bc.c	bcm	f	*
Deerness (Orkney)	1006.4	55	ENE	2	o	1007.8	-	52	-3	NNE	4	-	f	3	-	60	52	c	c.o	q	2.7
Stornoway	1004.1	61	NE	2	c	1010.0	+4	56	0	NE	4	-	c	4	-	66	53	bc	bc.c	c.o.c	10.3
Castlebay (Barra Isd.)	997.9	56	ENE	5	omr	1006.9	+5	55	0	WNW	2	-	op	-	11	57	56	or	r	mp.omp	0.9
Glasgow	996.7	58	SW	1	omd	1005.9	+6	56	+4	NW	4	W	o	-	39	59	52	aodrm	omr	omr.od	0.0
Eskdalemuir	999.0	55	NE	6	omr	1009.0	+6	58	+3	NNW	5	N	bcng	5	7	58	53	omr	omr	bcng	4.0
Malin Head	1002.6	57	NNE	4	omg	1013.5	+4	57	+1	NNW	2	-	o	2	15	59	54	omr	omg	cx. bz	*
Blacksod Point	1004.9	60	WSW	4	o	1015.2	+3	59	-3	W	2	-	o	3	1	62	56	adp	o	cx. bz	0.1
Valencia (Cahirciveen)	1003.7	64	WSW	4	c	1014.2	-	61	0	WNW	2	NW	b	2	1	66	59	fd.o	o.c	cp.b	*
Roche's Point	999.9	61	W	1	r	1013.4	-	56	-6	W	1	-	o	-	4	67	53	or	or	o	0.0
Donaghadee	995.6	54	NNE	1	ofp	1007.5	+5	58	+5	WNW	4	-	bcng	4	7	58	53	ofr	ofr	amp.b	*
Liverpool (Bidston)	998.8	63	SEW	7	o	1007.1	-	57	0	WSW	7	W	o	5	8	70	56	or	bc	o	2.4
Holyhead	997.2	58	SW	6	opqf	1009.3	+3	57	-2	WNW	6	-	b	5	14	62	55	or.cp.o	c.opf	op.b	0.0
Pembroke (St. Ann's)	1002.4	60	SW	6	eq	1012.6	+4	58	-2	W	2	-	b	5	7	63	57	or.f	o	cx. bz	0.4
Scilly (St. Mary's)	1009.8	60	WSW	6	omd	1015.9	+2	59	-2	WNW	4	W	cp	5	7	63	57	omr	omr	omr	0.6
Falmouth	1009.2	63	WSW	6	odq	1014.4	+2	60	-2	WSW	7	-	c	-	8	64	59	ry.dq	dq	dq.c	0.0
Jersey (St. Aubin)	1014.2	63	SW	3	omgm	1016.8	-	60	-4	WSW	5	-	o	4	8	72	60	od.op.o	cgrm	omr	0.4
Portland Bill	1009.2	60	WSW	6	odm	1011.6	+2	59	0	WSW	6	W	bc	5	1	62	56	orm	orm	od.c	*
Dungeness	1010.5	60	SW	6	or	1010.1	+2	60	0	SW	8	-	o	7	8	62	59	oap	oap	cr.or	*
Dover	1009.5	61	SW	6	r	1010.9	+3	62	+2	SW	4	SW	o	5	10	62	59	rm	rm	cp.r	0.0
Wick	1005.5	55	E	3	o	1007.1	+3	52	-2	N	4	-	fd	3	4	57	52	c.ong	omg	omd	*
Nairn	1003.0	59	E	3	od	1007.1	-	56	0	E	1	-	od	1	16	72	54	cg	cg.o	du.or	3.2
Aberdeen	1003.1	56	ENE	3	orm	1003.6	+5	55	0	N	4	-	r	3	23	60	54	o	orm	omr	1.1
Leith	997.5	58	E	2	r	1003.8	+2	60	+2	NW	2	-	o	3	17	61	55	o.c.or	r	r.ouge	*
Tynemouth	997.6	59	-	0	cm	1001.3	-	58	0	NNW	3	N	cmg	3	3	62	56	omr	omr	cmg	*
Spurn Head	1001.9	65	SSW	4	o	1001.9	+2	60	-1	W	6	-	oq	6	9	67	55	or	or	eqp	0.0
Yarmouth (Gorleston)	1005.9	66	SW	5	c	1005.1	+2	63	+3	W	6	W	eq	5	6	70	59	or	o.c.p	bc.p	1.7
Clacton-on-Sea	1007.7	66	SW	5	c	1008.3	+2	63	+1	WSW	5	W	o	4	4	68	61	ogr.og	ogr.c	c.og	0.4
Nottingham	1001.9	68	SW	5	c	1006.1	-	61	+3	WNW	5	W	o	-	16	70	58	r	r.o.c	c.o	0.6
Benson (Oxon.)	1005.9	66	SSW	4	bc	1007.8	+4	62	+2	WSW	3	-	o	-	3	67	60	r	or	or	*
St. Farnborough	1007.4	63	SW	6	r	1010.0	+3	62	+1	WSW	5	-	od	-	7	66	60	r.d.omr	r.odm	od	0.1
London (Kew Obsy.)	1007.1	66	SSW	4	o	1009.7	+3	62	0	SW	4	-	o	-	5	69	61	omr.od.o	omr.blr	o.od.o	0.1
NORTHERN EUROPE.																					
Spitsbergen	1008.7	41	-	0	o	1008.7	+2	39	-4	-	0	-	o	-	-	43	37	GALES. Duration and Extreme Force in British Islands.			
Vardö	1010.4	57	S	5	b	1012.2	0	48	-15	NW	5	-	f	3	-	64	55				
Bodö	1014.6	55	W	1	b	1014.4	0	55	-7	-	0	-	bc	0	-	57	56				
Christiansund	1014.0	57	-	0	c	1009.6	-1	61	+6	NE	2	-	b	2	-	59	54				
Skudesnaes	1010.0	61	S	1	b	1002.9	-1	59	-4	SSW	4	-	r	2	1	64	55				
Færder (Klania Fjord)	1012.6	63	SSW	5	b	1006.8	-3	61	0	ENE	6	-	o	3	-	64	61				
The Scaw (Skagen)	1014.6	64	SSW	2	c	1002.4	-7	59	0	E	5	-	r	5	4	70	59				
Blaavands Huk	1010.6	63	SSE	2	r	1002.3	-	63	0	SW	3	-	r	-	23	70	59				
Copenhagen	1014.7	66	SSE	3	c	1005.1	-2	64	+1	WSW	3	-	r	-	10	70	63				
Bornholm	1016.3	66	SE	1	m	1008.0	-3	64	0	SSW	4	-	m	0	10	70	61				
FRANCE, &c.																					
The Helder	1008.6	64	SSW	7	r	1003.8	-1	63	0	SW	8	-	o	4	9	66	61				
C. Gris Nez	1011.1	62	SW	6	r	1011.2	+2	59	-	SW	7	-	o	8	11	66	59				
La Hève	1013.9	69	WSW	5	o	1015.8	-	63	+2	WSW	4	-	o	5	2	72	57				
Brest (St. Mathieu)	1015.8	61	SW	5	f	1019.0	+2	61	0	W	3	-	o	4	-	64	55				
Rochefort (Ile d'Atx)	1022.0	68	WSW	5	o	1022.0	+1	68	+2	WSW	4	-	o	-	-	73	64				
Biarritz	1021.6	70	NNE	3	b	1023.1	+1	69	+1	ENE	2	-	o	2	-	79	66				
Paris	1016.6	73	SSW	3	o	1017.6	+2	64	-2	SW	2	-	o	-	1	75	63				
Belfort	1021.6	72	W	5	bc	1021.8	-	65	+2	WSW	6	-	c	-	1	75	61				
Lyons	1021.2	77	-	0	b	1022.2	-	71	+1	-	0	-	b	-	-	82	62				
Nice	1019.0	75	-	0	b	1018.6	+1	75	+4	-	0	-	b	-	-	82	66				
Perpignan	1020.2	84	-	0	b	1021.1	+1	79	+4	-	0	-	b	-	-	95	64				
Sanguinaire	1018.3	75	NW	3	m	1019.6	-	74	+1	E	3	-	m	4	-	88	68				
SOUTHERN STATIONS.																					
Corunna	1024.0	68	NW	3	b	1025.0	+1	63	-3	S	4	-	c	2	-	70	61				
Madrid	1016.7	91	-	0	b	1020.0	+2	79	+4	ESE	1	-	b	-	-	95	68				
Lisbon	1019.8	80	NNW	5	b	1020.7	+1	70	-2	N	3	-	b	-	-	88	66				
Azores (Horta)	1026.7	-	S	1	b	1019.8	-1	70	-	S	5	-	m	3	-	73	70				
Madeira	1021.4	72	NE	3	b	1021.4	-1	64	0	NE	3	-	b	3	-	72	64				
Gibraltar	1021.3	74	E	4	m	1020.6	-	73	0	E	4	-	b	3	-	81	71				
Malta	-	-	-	-	-	1015.8	+1	75	0	NNW	1	-	b	1	-	84	72				
Limassol	-	-	-	-	-	1003.4	0	83	0	-	0	-	b	0	-	99	66				
Alexandria	1007.9	77	N	2	b	1007.4	0	77	0	NW	2	NW	bc	1	-	86	73				
Cairo (Helwan)	1006.2	89	N	3	b	1007.1	+1	72	0	N	2	-	b	-	-	97	69				
LONDON OBSERVATIONS.																					
		HUMIDITY.		Sun- shine for 18th Hours.	24 HOURS ENDED 9 H. 19th					SOUTH KENSINGTON.											
		15h.	9h.		TEMPERATURE.					WEATHER.					Vertical Component of Solar Radiation per square Centimetre during 18th.						
		%	%		Max.	Min.	Min. on Glass.	Rain- fall.	Morn- ing.					Joules.							
									After- noon.					Milliwatts.							
									Night.					Milliwatts.							
GREENWICH (Royal Observatory)		96	78	0.3	71	61	57	4	o	and	od.o	410									
CITY (Bunhill Row)		*	*	0.2	*	*	*	*	*	*	*	7.1									
WESTMINSTER (St. James's Park)		94	77	0.2	69	61	60	2	ep.tnp	or	oe	45									
CAMDEN SQ. (British Rainfall)		99	78	0.2	71	61	60	3	o	or.o	*										
HAMPSTEAD (Reservoir)		*	83	0.0	66	58	51	4	erm	op	cp										
S. KENSINGTON (Museum Grounds)		*	81	0.2	68	61	59	3	o	or	od. bc										
The thermometers at Greenwich and Camden Square are in Glaisher screens.																					



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON THURSDAY, 19<sup>TH</sup> JULY 1917.

Heavy rain (20mm) fell at Aberdeen, but at other stations there was little precipitation. Sunshine measurements were very variable, ranging up to 14.5 hours at Holyhead. Temperatures were generally moderate.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR THURSDAY, 19<sup>TH</sup> JULY UP TO 17 H.

STATIONS.	Sun- shine for 18 <sup>h</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h.	STATIONS.	Sun- shine for 18 <sup>h</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h.
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	°F.	°F.						Mm.	Mm.	°F.	°F.			
Scotland.									England.								
Oban ...	0.2	4	-	65	54	c. bc	b	8.6	Lowestoft ...	0.3	1	-	72	62	o. c	c	4.0
Banff ...	3.2	20	3	55	54	or	or	0.0	Felixstowe ...	0.9	-	-	74	62	bc	bc	6.3
Montrose ...	0.0	16	1	64	56	o	bc	0.5	Walton-on-Naze ...				74	61	b. bc	b. bc	7.4
St. Andrews ...	0.0	16	1	63	54	op	bc	1.5	Southend-on-Sea ...	0.0	-	-	74	62	o. c	c. bc	4.6
Carnoustie ...	*	*	*	65	55	r	o. cf	1.5									
Eng. N.E.									England, S.E.								
Harrogate ...	0.5	1	-	69	55	c. bc. b	bc. c	5.5	Margate ...	0.4	1	-	74	61	c	bc. b	4.7
Skegness ...	1.2	-	-	71	60	o	bc. o	4.5	Hastings ...	0.0	3	-	66	59	or. o	bc. b	3.9
									Eastbourne ...	0.0	2	-	63	59	ac. bc. o	b	5.5
									Seaford ...	*	*	*	64	59	o	bc	3.5
Eng. N.W.									Brighton ...	0.0	2	-	66	61	o. c	c. bc	4.9
Morecambe ...	0.3	3	-	67	57	bc. b	b	8.0	Worthing ...	0.0	4	-	68	60	o. bc	bc	5.4
Southport ...	2.2	5	-	66	57	bc. b	b	9.5	Littlehampton ...	*	*	*	67	61			5.8
									Bognor ...								
									Bournemouth ...	0.0	-	-	71	59	o	c	5.0
Midlands.																	
Leamington Spa ...									Weymouth ...	*	*	*	69	59	c. bc	by	5.0
Malvern ...									Torquay ...								
Ross-on-Wye ...	0.5	Trace	-	75	58	bc	b	9.3	Paignton ...								
									Penzance ...	0.1	Trace	-	67	60	c. bc	bc. c	2.0
Wales.									Newquay ...	0.1	1	-	64	58	o. c. b	c	1.1
Rhyl ...		3	-	66	57	op. o	o. bc. b	8.2	Bude ...	0.2	2	-	67	59	bc	bc	4.7
Colwyn Bay ...	*	*	*	68	57	bc	b	7.5	Ilfracombe ...	0.0	1	-	65	58	a. bc	b	6.5
Llandudno ...	*	*	*	67	57	c	c. b	6.5	Weston-s-Mare ...		1	-	67	60	c. bc. b	b	8.0
Aberystwyth ...		*	*	64	59	or. c	b. bc	5.0									

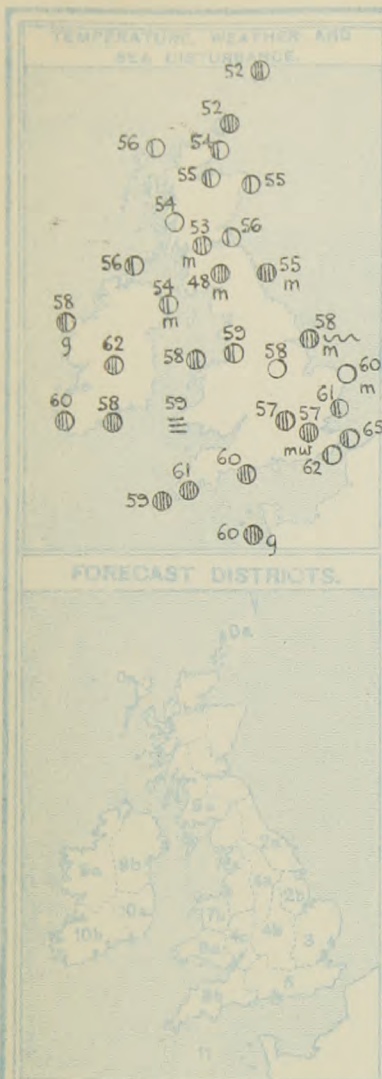
REPORTS FROM FOREIGN STATIONS FOR THURSDAY, 19<sup>TH</sup> JULY.

STATIONS.		EVENING OF 18 <sup>TH</sup>					MORNING OF 19 <sup>TH</sup>										MORNING OF 19 <sup>TH</sup>					
		Barom. Milli- bars at M.S.L.	Temp.	Wind.		Weather.	Barometer.		Temp.		Wind.		Rain- fall. Milli- metres.	Temp.		ICELAND.	Barom. Milli- bars at M.S.L.	Temp.		Wind.		Weather.
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.	
RUSSIA 7 a.m. and 9 p.m. Local Time.		° F.						° F.	° F.					° F.	° F.			° F.	° F.			
Archangel ...	1013.2	70	?	2	b	1014.4	0	70		E	3	b	-	*	54	Isafjord ...	1007.0	50	+5	-	0	0
Gorki ...	1015.2	63	-	0	b	1015.8	0	59	0	-	0	b	-	*	64	Reykjavik	1013.1	55	+5	SSW	2	0
Velieki Luki ...						1015.1	*	61	-2	W	3	c	-	*	57	Vestmanna	1007.8	50	-2	SW	2	c
Hangö ...	1014.6	61	SW	3	b	1014.8	+3	61	0	WSW	3	b	-	*	55	Seydisfjord	1006.0	50	-2	-	0	0
Riga ...	1017.1	63	-	0	b	?	+1	68	+5	-	0	b	?	*	55	Thorshavn	1059.4	51	-3	-	0	b
Petrograd ...	1012.0	63	W	3	b	1012.7	0	63	0	W	3	c	12	68	61							
Moscow ...	1007.4	63	WNW	6	0	1007.0	0	63	-1	N	2	0	33	*	63							
Kiev ...	1016.4	64	NW	2	0	1017.1	-1	54	-7	NW	3	b	-	*	55							
Kharkov ...	1014.2	63	NW	2	b	1013.5	0	61	-2	NW	2	b	-	*	52							
Kishinev ...	1015.6	70	SSE	2	bc	1017.4	+1	63	-3	NW	1	b	-	*	57							
Elisabetgrad ...	1019.9	68	NW	2	b	1022.1	0	64	+1	W	2	bc	-	*	54							
Nicolaiev ...	1015.5	70	NNE	2	b	1016.3	*	66	+2	NE	2	b	-	*	61							
Odessa ...	1016.4	75	NE	1	bc	1017.5	+1	68	0	NNE	3	b	-	*	63							
Tarkhankout...							*							*								
Soukhom ...							*							*								
MEDITERRANEAN.																20 <sup>TH</sup> AND 21 <sup>ST</sup> JULY 1917.		Sunrise.	Noon.	Sunset.		
Venice ...	1017.9	81	-	0	b	1018.3	*	79	+6	ENE	1	b	-	86	60		G.M.T.	G.M.T.	G.M.T.			
Pesaro ...	1018.5	75	-	0	b	1018.6	*	77	+2	N	2	b	-	84	66							
Rome ...	1017.8	75	-	0	b	1017.9	*	79	+6	N	1	b	-	88	68							
Viesti ...	1017.1	77	NW	2	b	1017.0	*	79	+2	NW	4	b	-	82	72		3.54	11.59	8.4			
Brindisi ...	1016.2	75	WNW	1	b	1014.9	*	75	-2	NW	4	b	-	77	73		3.56	11.59	8.2			
Cagliari ...						1018.5	*	73	-2	NW	4	b	-	86	61		4.8	12.6	8.5			
Palermo ...	1017.4	77	-	0	b	1017.8	*	79	0	-	0	b	-	84	64		4.9	12.6	8.3			
Tripoli ...						1019.9	*	75	0	NW	1	bc	-	82	70		3.39	12.18	8.57			
Algiers ...	1020.7	73	NNE	2	b	1019.8	+1	73	+2	-	0	b	-	79	68		3.41	12.18	8.35			
SWEDEN.																Valencia ...	4.46	12.47	8.49			
Hernösand ...						1010.4	*	64	-4	-	0	b	*	*	*	4.47	12.47	8.48				
Stockholm ...						1012.2	*	73	+9	SE	2	b	*	*	*							
Wisby ...						1012.2	*	68	+4	S	2	b	*	*	*							

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

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EXPLANATION.




BAROMETER.—Isobars are drawn for intervals of five millibars.

WIND.—Direction is shown by arrows flying with the wind.

Force, on the scale 0-12, is indicated by the number of feathers. Calm 

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

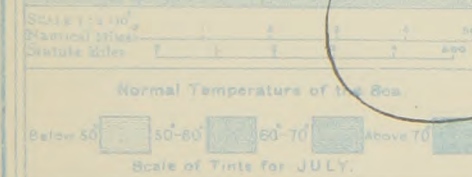
WEATHER.—Shown by the following symbols:—

 clear sky.    
  sky  $\frac{1}{4}$  clouded.    
  sky  $\frac{1}{2}$  clouded.  
 sky  $\frac{3}{4}$  clouded.    
  overcast sky    
  rain falling.

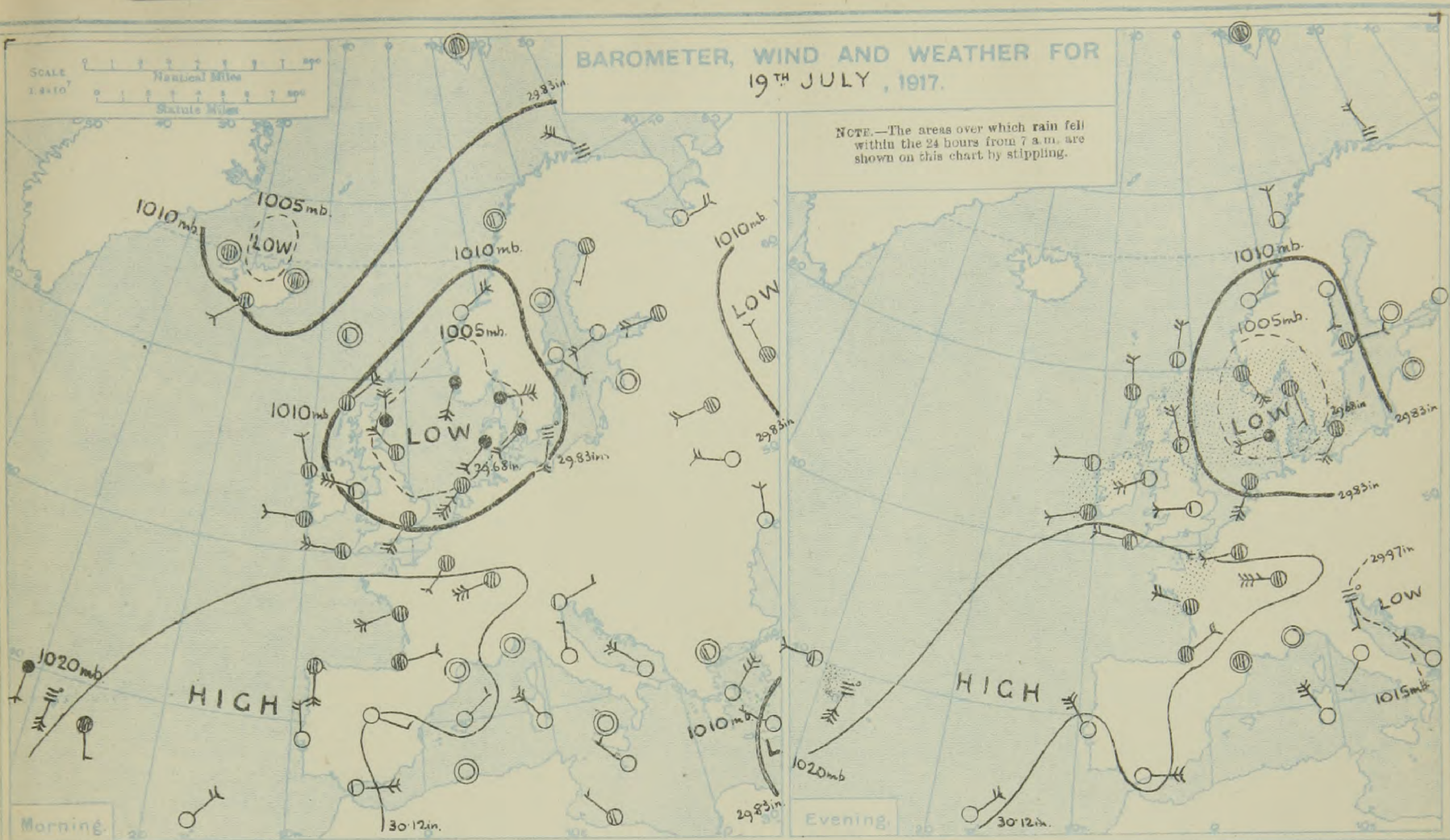
\*snow. ▲ hail. ≡ fog. ≡<sup>o</sup> mist. T, thunder.

⚡, thunderstorm.

SEA DISTURBANCE.—Rough  High 

SEA DISTURBANCE.—Rough . High .





### THE PRESENT SITUATION

The depression which lay over the North Sea yesterday morning is now passing over Southern Scandinavia. A strong North wind prevails over the Eastern North Sea with unsettled weather, but over the British Isles pressure has become very uniform and winds light. There is a good deal of cloud over this country generally, and fog is reported at Pembroke.

### THE OUTLOOK

The changes in progress are slight and do not indicate any definite change. Recent reports from the Azores have however, shown the presence of depressions over the Atlantic, and the light Southerly wind current which has set in over the North of Ireland suggests that a disturbance is beginning to make itself felt in the more Western parts of the British Isles. No long continuance of settled weather is to be expected.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 201. (20<sup>th</sup> JULY, Friday)

STATIONS.	EVENING OF 19 <sup>th</sup>					MORNING OF 20 <sup>th</sup>										24 HOURS ENDED 7 A.M.						Sun- shine for 19 <sup>th</sup>
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.	WIND.		Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Dirac.	Force 0-12.						Dirac.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1011.5	58	NNE	3	bc	1015.6	+1	52	0	N	3	N	c	3	-	59	50	f. bc	bc	c	*
	Deerness (Orkney)	1013.5	55	NW	4	c	1017.9	*	52	0	WNW	3	W	o	2	-	58	50	f. om	om. c	c. o	2.4
	Stornoway	1016.6	56	N	3	o	1019.4	+2	56	0	SW	1	-	b	0	-	63	46	bc	bc. o	o. b	7.9
	Castlebay (Barra Isd.)																					
	Glasgow	1013.6	62	N	2	c	1016.7	+2	53	-2	WSW	1	S	cm	*	2	69	49	op. c. o	op. f	op. b. bc	3.8
	Eskdalemuir	1015.6	63	NNE	1	ox	1019.2	+4	48	-10	-	0	-	om	*	-	66	40	ad. o. c	c. o	cx. b. af	4.2
	Malin Head	1016.3	60	NW	3	bc	1019.2	+1	56	-2	SE	1	NW	bc	1	-	62	54	bc m	bc	bc	13.7
	Blackod Point	1017.6	62	W	2	bc	1018.2	0	58	+1	S	1	-	cg	1	1	63	56	cx	bc	bc. om	*
	Valencia (Cahirveen)	1018.8	61	WSW	2	o	1020.8	+2	63	+1	WSW	3	SW	c	3	3	66	59	o. c	c. o	op. ac	0.7
	Roche's Point	1018.7	60	WSW	2	c	1020.7	*	58	-3	S	1	-	o	2	0.3	66	57	bc. o	c. c	ome	*
	Birr Castle	1017.0	64	NW	1	o	1019.9	*	62	+4	WSW	1	W	c	*	0.1	68	55	c	op	c	4.7
	Donaghadee	1015.1	60	N	3	bc m	1019.1	+2	54	-4	W	1	-	bc m	1	0.2	63	49	bc m	bc m	bc m. bc m	*
	Liverpool (Bidston)	1015.8	62	WSW	4	b	1019.6	+2	59	+2	WSW	1	W	bc	1	-	66	56	o. bcq	b	b. bc	8.0
	Holyhead	1016.2	64	WSW	4	b	1019.3	+1	58	+1	E	2	W	c	0	Trace	68	55	b. bc. b	b	bc. bcw	14.5
	Pembroke (St. Ann's)	1018.7	60	WSW	2	b	1020.6	+1	59	+1	WSW	1	-	f	3	-	62	57	b	b	c. bc f	13.4
	Scilly (St. Mary's)	1020.3	61	WNW	3	c	1022.4	+1	59	0	WNW	1	-	o	4	0.2	65	57	c	c	c. o	3.2
	Falmouth	1019.3	63	NW	3	o	1021.5	+2	61	+1	W	3	-	o	*	-	66	59	c. o	o. c. o	o	1.4
	Jersey (St. Aubin)	1020.7	64	WSW	4	o	1022.4	*	60	0	SW	3	-	og	2	Trace	66	59	o. cd. op	o. b. o	og	4.6
	Portland Bill	1017.1	60	WSW	3	bc	1021.0	+1	60	+1	WNW	2	W	c	3	-	61	57	bc. c	c. bc	bc. c	*
	Dungeness	1015.0	62	SW	6	b	1019.8	+2	62	+2	WSW	2	-	b	1	-	65	58	o. c	c. b	bc	*
Dover	1015.2	64	SW	5	b	1020.2	+3	65	+3	NW	2	-	bc	2	-	66	58	or. c	b	b. bc	7.0	
Wick	1013.9	54	NW	4	o	1018.2	+2	54	+2	NW	3	-	bc	2	0.1	56	51	df. omp	omg	og. bc m	*	
Nairn	1014.0	58	ESE	3	cg	1018.5	*	55	-1	W	1	-	bc	1	3	62	48	cd	bc	eg. bc	4.4	
Aberdeen	1013.2	56	NW	4	o	1018.2	+2	56	0	NW	4	-	bc	3	20	58	50	or	or. op	c. bc	0.5	
Leith	1013.2	65	E	1	c	1018.1	+2	56	-4	W	1	W	b	2	0.8	67	52	o. c. c	c. bc. c	c. bc m	*	
Tynemouth	1012.9	67	NW	3	bcq	1018.4	*	58	-3	N	1	-	om	3	Trace	62	53	og	og	omp	*	
Spurn Head	1012.4	62	N	5	eg	1018.7	+2	58	-2	NW	2	-	om	5	0.2	67	57	eg	eg	eg	8.4	
Yarmouth (Gorleston)	1012.7	70	NNE	5	c	1018.9	+3	60	-3	WNW	1	-	bm	1	-	71	59	bcq	bcq. c	b. bm	3.4	
Clacton-on-Sea	1014.0	72	WNW	3	bc	1019.6	+2	61	-2	WNW	2	-	bc	1	-	74	54	og. c	c. bc	bc. w	8.6	
Nottingham	1014.6	67	WNW	4	b	1019.0	*	58	-3	SW	1	-	b	*	-	71	52	o. c	bc. b	b	8.7	
Benson (Oxon.)	1015.2	72	WNW	3	b	1019.6	+2	57	-5	WSW	1	-	c	*	-	74	54	b	b	cmew	*	
Sth Farnborough	1015.5	70	W	3	bc	1020.0	+2	57	-5	WSW	2	-	om	*	Trace	74	52	d. o. bc	bc	bc. bc. o. c	8.7	
London (Kew Obsy.)	1015.8	74	W	2	b	1020.7	+3	57	-5	SSW	1	-	pmw	*	Trace	75	59	o. c	c. b	bmw. w	8.6	
NORTHERN EUROPE.	Spitsbergen	1010.0	37	-	0	o	1010.3	0	37	-2	-	0	*	f	*	*	39	34	GALES. Duration and Extreme Force in British Islands.  DUNGENESS  SW 8; 7h - 11h, 19th.			
	Vardö	1011.1	46	NNW	3	f	1006.4	+1	46	-2	NNW	4	-	m	3	*	50	45				
	Bodö	1013.3	56	N	2	b	1012.4	0	57	+2	E	2	-	c	1	-	57	52				
	Christiansund	1007.3	63	NE	3	b	1008.4	0	59	+2	NE	2	-	c	2	-	68	57				
	Skudesnaes	1002.7	61	N	4	b	1003.3	+3	57	-2	NNW	6	-	c	2	Trace	61	55				
	Færder (X'ania Fjord)	1001.6	57	ESE	4	n	1002.6	+1	59	-2	N	5	-	o	2	11	63	57				
	The Scaw (Skagen)	1002.8	63	SSE	1	o	1000.8	+2	63	+4	E	1	-	o	1	15	66	59				
	Blaavands Huk	1001.4	61	WSW	3	n	1002.6	*	59	-4	NW	4	-	r	*	4	64	57				
	Copenhagen	1008.9	64	WSW	2	c	1004.9	-1	63	-1	WSW	3	-	o	*	4	72	59				
	Bornholm	1005.9	64	SW	4	o	1004.2	0	61	-3	WSW	5	-	m	1	8	70	59				
FRANCE, &c.	The Helder	1009.9	63	SW	5	o	1015.1	+3	61	-2	W	6	-	b	3	Trace	64	59				
	C. Gris Nez	1016.2	60	WSW	7	b	1020.6	+2	62	+3	SW	2	*	bc	2	-	63	57				
	La Hève	1019.1	61	W	5	o	1021.6	*	59	-4	WNW	4	*	o	4	2	70	55				
	Brest (St. Mathieu)	1022.7	64	WNW	3	o	1023.8	0	59	-2	SSW	1	*	o	3	-	66	57				
	Rochefort (Ile d'Alx)	1023.0	68	WNW	3	o	1023.6	+3	65	-3	N	2	*	o	*	1	75	63				
	Biarritz	1023.1	70	NE	3	o	1022.0	0	66	-3	ENE	2	*	o	3	-	79	64				
	Paris	1019.4	70	WSW	2	o	1022.3	+2	61	-3	WNW	1	-	o	*	-	75	57				
	Belfort	1020.4	72	W	7	c	1025.3	*	66	+1	W	4	*	c	*	-	77	60				
	Lyons	1019.4	82	-	0	b	1021.9	*	70	-1	-	0	*	b	*	-	87	63				
	Nice	1016.6	76	-	0	b	1016.9	+1	73	-2	-	0	*	b	0	-	88	63				
SOUTHERN STATIONS.	Perpignan	1019.0	82	-	0	c	1020.7	+2	77	-2	W	2	*	o	*	-	95	72				
	Sanguinaire	1019.4	76	NW	2	m	1017.1	*	72	-2	E	3	*	m	3	-	86	68				
	Corunna																					
	Madrid																					
	Lisbon	1019.8	81	NW	5	b	1019.9	0	66	-4	NNW	4	-	b	5	-	86	64				
	Azores (Horta)	1019.4	*	SSW	6	m	1018.3	0	66	-4	WSW	4	*	bc	2	4	77	66				
	Madeira	1020.2	73	NE	3	b	1019.1	-1	46	+2	NE	3	*	bc	2	-	73	66				
	Gibraltar	1020.8	75	E	4	b	1019.6	*	72	-1	SE	3	*	m	2	-	84	70				
	Malta	*	*	*	*	*	1015.5	*	77	+2	-	0	-	b	0	-	81	72				
	Limassol	*	*	*	*	*	1003.0	+1	90	+2	W	1	-	b	0	-	101	63				
	Alexandria	1007.1	77	-	0	b	1006.6	0	79	+2	NNW	4	-	b	2	-	86	73				
	Cairo (Helwan)	1005.5	88	N	3	b	1006.6	+1	78	+1	NW	1	-	b	*	-	97	70				
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 19 <sup>th</sup>	24 HOURS ENDED 9 H. 20 <sup>th</sup>								WEATHER.			SOUTH KENSINGTON.						
		15 h.	9 h.		Max.	Min.	Min. on Grass.	Rain- fall.	Morn- ing.	After- noon.	Night.	Vertical Component of Solar Radiation per square Centimetre during 19 <sup>th</sup> .			The thermometers at Greenwich and Camden Square are in Glaisher screens.							
GREENWICH (Royal Observatory)		56	72	6.3	76	54	48	-	o. c	b	b. bc	Total.	Average Rate.	Max. Rate.								
CITY (Bunhill Row)		*	*	8.3	*	*	*	*	*	*	*	Joules.	Milliwatts.	Milliwatts.								
WESTMINSTER (St. James's Park)		54	79	8.4	75	64	48	-	c. bc	b	*	1380	24	81.5								
CAMDEN SQ. (British Rainfall)		54	75	8.0	78	54	52	-	c. bc	b	*											
HAMPSTEAD (Reservoir)		*	87	8.1	72	53	42	-	o. bc	b	bc m											
S. KENSINGTON (Museum Grounds)		*	76	7.7	73	55	50	-	o. bc	b	b. bc											



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON FRIDAY, 20<sup>TH</sup> JULY 1917.

Day temperature rose to 70° at Glasgow, and to 75° in the south-east of England; Sunshine measurements were generally fair. The day was rainless over the greater part of the country, but a little rain fell in the evening in the London district.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR FRIDAY, 20<sup>TH</sup> JULY, UP TO 17 H.

STATIONS.	Sun- shine for 19 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 20 <sup>TH</sup>		STATIONS.	Sun- shine for 19 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 20 <sup>TH</sup>
		Night 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.					Night 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.							Mm.	Mm.	° F.	° F.			
Scotland.	Oban ...	11.3	-	61	48	b	b	11.6	England, E.	Lowestoft ...	5.1	-	-	68	53	bc.c	c.o.c	9.1
	Banff ...	0.0	-	59	52	bc	bc	8.2		Felixstowe ...	8.5	-	-	76	55	bc.m	bc.c	8.6
	Montrose ...	2.5	-	60	56	d	b	6.2		Walton-on-Naze ...	9.1	-	-	71	55	b.bry.b	c.bc.	8.2
	St. Andrews ...	2.8	-	64	44	bc	c	9.9		Southend-on-Sea ...	6.5	-	-	75	55	bc.cry	c.c.bry	5.3
	Carnoushie ...	*	*	61	55	bc	bc	9.8										
Eng. N.E.	Harrogate ...	6.1	-	73	53	b.bc.b	b.bc	9.9	England, S.E.	Margate ...	5.8	-	-	73	59	b.bc	bc.c	8.0
	Skegness ...	4.5	-	65	52	bc.o	o	7.9		Hastings ...	5.5	-	-	69	55	bc.b	bc	8.3
Eng. N.W.	Morecambe ...	9.5	-	68	54			11.3		Eastbourne ...	7.0	-	-	68	55	bc.b	b	9.4
	Southport ...	10.9	-	67	53	bc.b	by	10.5		Seaford ...	5.0	-	-	66	51	b	b	8.0
Midlands.										Brighton ...	6.8	-	-	68	54	o.c	bc.b	9.2
										Worthing ...	7.5	-	-	69	51	c.bc	b	9.5
										Littlehampton ...		-	-	65	52			6.5
										Bognor ...		-	-					
Wales.										Bournemouth ...	5.6	-	-	71	53	o.c	bc.b	9.0
									England, S.W.									
										Weymouth ...	*	*	*	70	55	c.bc	bry	6.0
										Torquay ...		-	-	68	56	o.c	c.o	1.8
Wales.										Paignton ...		-	-					
										Penzance ...	2.8	-	-	68	60	c.bc	bc	6.5
										Newquay ...	1.1	Trace	-	65	58	c.bc	b	4.1
										Bude ...	4.7	-	-	68	58	bc	bc	5.2
										Ilfracombe ...	8.7	Trace	-	66	56	bc	bc	5.5
										Weston-s-Mare ...	10.0	-	-	69	59	a.bc.b	b	6.0

REPORTS FROM FOREIGN STATIONS FOR FRIDAY, 20<sup>TH</sup> JULY.

STATIONS.		EVENING OF 19 <sup>TH</sup>					MORNING OF 20 <sup>TH</sup>										MORNING OF 19 <sup>TH</sup>									
		Barom. Milli- bars at M.S.L.	Temp.	Wind.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	Temp.		Wind.		Rain- fall. Milli- metres.	Temp.		ICELAND.	Barom. Milli- bars at M.S.L.	Temp.		Wind.		Weather.				
				Dirac.	Force 0-12.				Dirac.	Force 0-12.	Dirac.	Force 0-12.		Max.	Min.			Dirac.	Force 0-12.							
RUSSIA 7 a.m. and 9 p.m. Local Time.		° F.						° F.	° F.					° F.	° F.			° F.	° F.							
	Archangel ...	1009.7	70	SSE	1	b	1006.7	-2	52	-18	-	0	bc	-	*	54		1007.4	54	+4	-	0	c			
	Gorki ...	1012.0	63	-	0	b	1009.5	*	61	+2	-	0	b	-	*	52		1009.2	50	-5	ESE	1	c			
	Velieki Luki ...	1011.3	63	SSW	2	bc	1008.6	*	64	+3	WSW	2	o	-	*	61		1010.6	52	+2	-	0	o			
	Hangö ...	1012.4	63	-	0	c	1009.9	-1	63	+2	ESE	3	bc	-	*	57		1008.0	54	+4	SSW	2	b			
	Riga ...	1011.0	70	-	0	b	1007.5	-3	66	-2	SSE	2	o	-	*	63		1015.8	54	+3	W	1	r			
	Petrograd ...	1011.9	64	WNW	3	bc	1010.1	-1	64	+1	N	1	o	-	70	59										
	Moscow ...	1005.7	66	N	3	bc	1005.2	0	66	+3	NE	1	b	4	*	59										
	Kiev ...	1013.2	66	-	0	b	1010.0	-2	64	+10	-	0	bc	-	*	57										
	Kharkov ...	1011.3	63	W	1	b	1010.0	0	63	+2	W	1	o	-	*	54										
	Kishinev ...	1013.3	72	N	1	o	1010.9	-2	63	0	SW	1	b	-	*	57										
	Elisabetgrad ...	1013.9	66	-	0	b	1011.7	-2	66	+2	-	0	b	-	*	57										
	Nicolaiev ...	1013.6	72	-	0	bc	1012.0	*	70	+4	-	0	bc	-	*	61										
	Odessa ...	1015.1	75	WSW	3	b	1012.6	-2	73	+5	NNE	1	c	-	*	66										
	Tarkhankout...																									
	Soukhom ...	1012.7	73	-	0	r	1013.0	*	72		ESE	1	o	34	*	*										
MEDITERRANEAN.		Venice ...	1015.0	79	-	0	m	1014.7	*	77	-2	-	0	m	-	86	73	21 <sup>ST</sup> AND 22 <sup>ND</sup> JULY 1917.						Sunrise.	Noon.	Sunset.
		Pesaro ...						1014.9	*	79	+2	-	0	b	-	86	68	G.M.T.						G.M.T.	G.M.T.	
		Rome ...	1016.6	77	SW	1	b	1016.3	*	75	-4	-	0	b	-	90	70	Yarmouth ...	{	3.56	11.59	8.2	3.53	11.59	8.0	
		Viesti ...	1015.4	79	WNW	2	b	1014.2	*	79	0	-	0	b	-	84	75									
		Brindisi ...	1013.3	75	NW	2	b	1014.2	*	77	+2	NW	2	b	-	79	73	Greenwich ...	{	4.9	12.6	8.3	4.10	12.6	8.2	
		Cagliari ...	1015.2	77	NW	5	b	1015.8	*	75	+2	NW	5	b	-	86	61									
		Palermo ...						1017.1	*	79	0	-	0	b	-	84	62	Wick ...	{	3.41	12.18	8.55	3.43	12.18	8.53	
		Tripoli ...						1018.6	*	?		WNW	1	?	-	81	73									
		Algiers ...																	Valencia ...	{	4.14	12.47	8.48	4.48	12.47	8.46
SWEDEN.		Hernösand ...	1010.4	66	S	2	b	1011.7	*	61	-3	-	0	o	*	*										
		Stockholm ...	1008.6	66	E	2	o	1004.3	*	63	-10	SE	4	r	*	*										
		Wisby ...	1006.6	64	ESE	2	r	1003.5	*	63	-5	S	2	o	*	*										

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

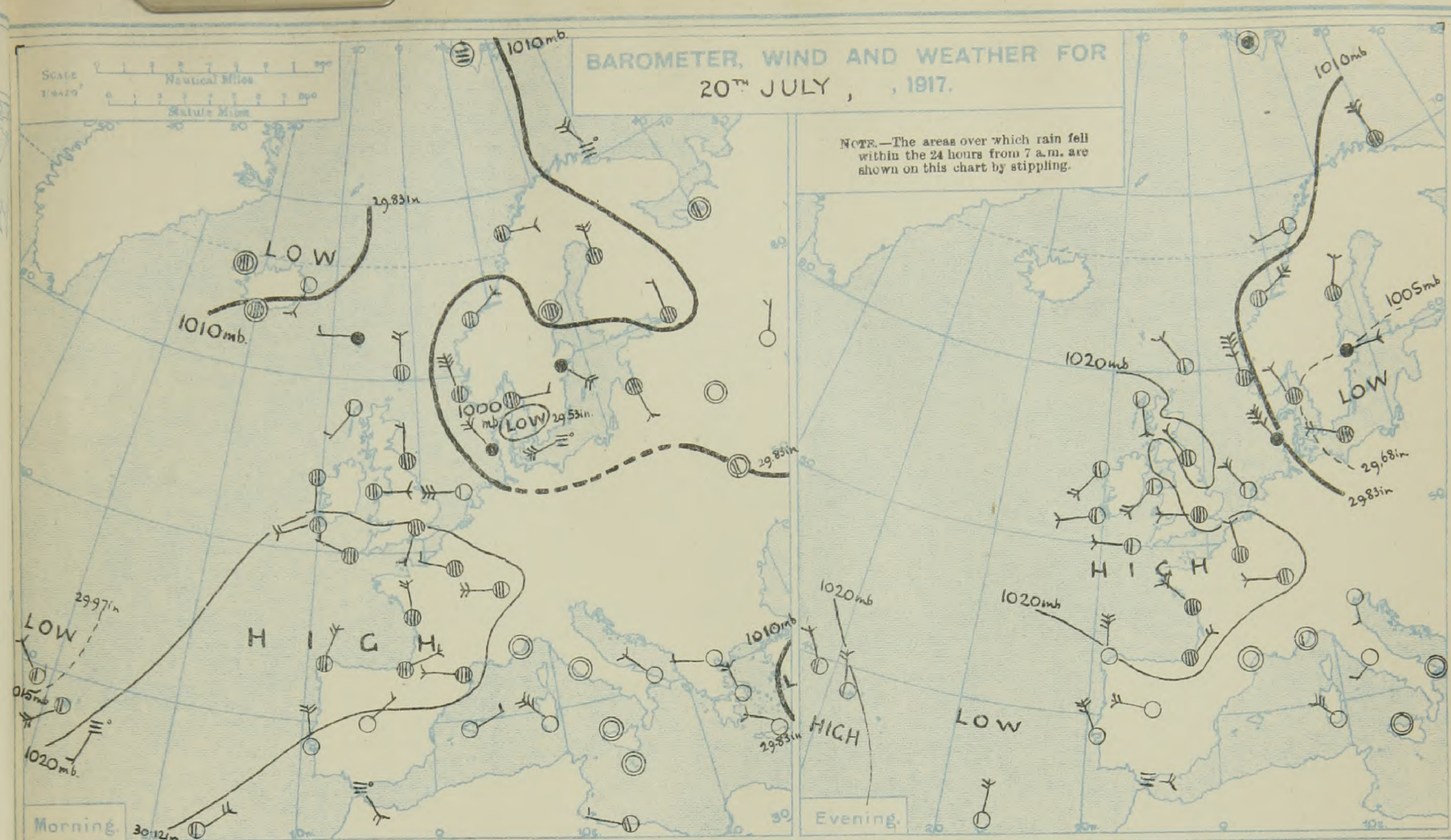
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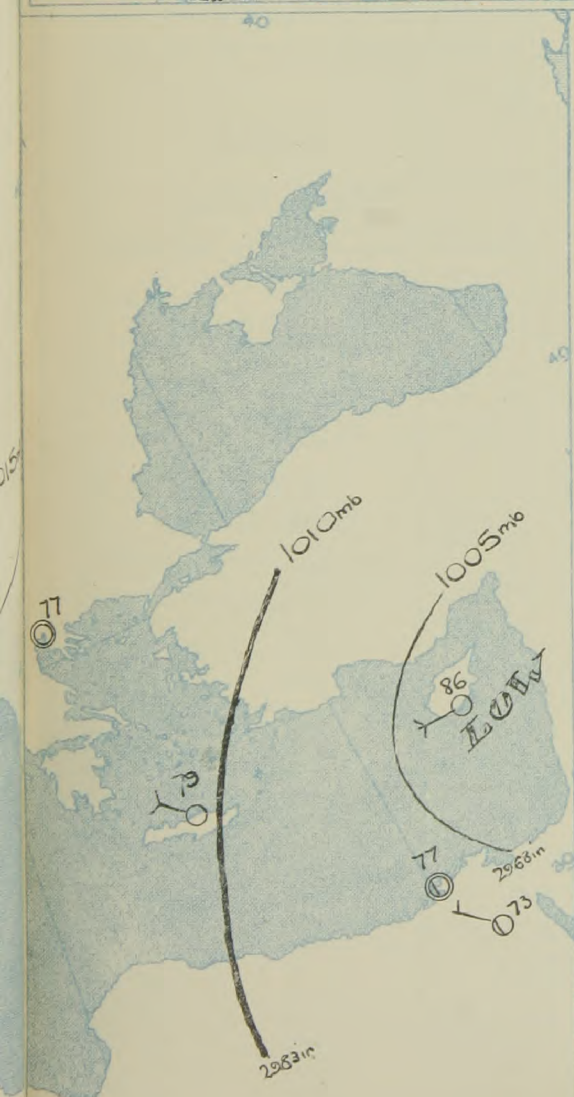


### THE PRESENT SITUATION.

The Scandinavian depression has moved a little further eastward to the Baltic, but is still giving rain in Denmark, with fresh North-Westerly winds. Over the British Isles pressure remains very uniform, and winds are everywhere light. The weather is generally fair, but with local fog in the Irish Sea and the Straits of Dover.

### THE OUTLOOK.

With the slow rise of pressure which continues over this country anticyclonic conditions are becoming established and a spell of fairer weather seems probable. There is a probability of local thunderstorms developing later.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 202

Saturday,  
21<sup>st</sup> JULY

STATIONS.	EVENING OF 20th.					MORNING OF 21st.										24 HOURS ENDED 7 A.M.						Sun- shine for 20th. Hours.		
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	Temp.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.						
			Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.				
BRITISH ISLANDS.	Lerwick	1016.0	60	NW	2	bc	1021.1	+1	57	+5	NW	2	-	c	2	-	61	51	c. bc	bc	c	*		
	Deerness (Orkney)	1019.3	61	WNW	3	b	1022.0	*	55	+3	WNW	2	W	c	0	-	62	52	c. c	c. bc. b	bc. c	10.5		
	Stornoway	1020.4	59	SSE	2	b	1022.5	+1	56	0	S	1	-	b	0	-	61	46	b	b	b	9.5		
	Castlebay (Barra Isd.)	1019.1	67	W	2	b	1023.5	+2	50	-3	E	1	-	mc	*	-	70	47	bc. b. bc	b	bc. mc	12.6		
	Glasgow	1016.9	63	SW	4	b	1023.2	+2	58	+10	-	0	-	bc. w	*	-	69	46	bc. m. m	bc. b	c. bc. b	8.4		
	Eskailemuir	1020.2	58	ENE	3	b	1022.4	+2	54	-2	SW	1	S	b	1	-	64	52	bf	b	bc	12.8		
	Malin Head	1020.6	61	SW	3	bc	1022.4	+2	58	0	SSW	2	S	bc	2	-	60	56	c	bc	bc	*		
	Blacksod Point	1021.9	64	W	2	bc	1023.8	+1	57	-3	-	0	-	cu	3	-	67	50	c	c. bc	bc. m. m. bc	11.0		
	Valencia (Cahirciveen)	1021.4	62	SW	4	c	1024.1	*	57	-1	-	0	SW	bc	2	4	67	53	e	egp	c. bc	*		
	Birr Castle	1019.3	68	NW	1	c	1023.5	*	54	-8	WSW	1	-	m	*	1	70	50	op. c	cp	f	5.7		
	Donaghadee	1020.0	59	E	2	bc. m	1022.7	+2	55	+1	SSE	1	-	of	1	-	63	50	bc. m	bc. m	bc. m. of	*		
	Liverpool (Bidston)	1020.3	65	WNW	1	b	1023.3	+2	59	0	-	0	-	bc	1	-	68	56	bc	b	b	9.9		
	Holyhead	1020.6	65	SW	3	bc	1023.2	+1	58	0	SW	3	-	fe	2	Trace	67	54	c. o. bc. b	b. bc	bc. fe. b	7.5		
	Pembroke (St. Ann's)	1022.3	60	WSW	3	c	1023.8	+2	59	0	SW	2	-	o	1	-	64	57	c	c	c. bc. b	6.0		
	Scilly (St. Mary's)	1023.4	65	W	2	bc	1024.6	+1	61	+2	-	0	W	cm	1	-	67	59	o. bc	bc	bc. cm	9.1		
	Falmouth	1022.2	67	NW	3	b	1024.0	+2	57	-4	W	1	-	bc. m	*	Trace	70	52	o	c. b	b. m	4.9		
	Jersey (St. Aubin)	1022.7	62	W	3	bc	1023.9	*	62	+2	NW	3	-	b	2	Trace	66	57	gd. p. o	c. bc	c. b	4.5		
	Portland Bill	1021.4	61	WSW	2	bc	1023.3	+2	61	+1	WNW	2	-	b	2	-	63	57	bc	bc	bc	*		
	Dungeness	1020.0	61	SW	4	b	1021.8	+1	57	-6	W	1	-	f	0	-	64	57	bc	b	bc. cf	*		
	Dover	1021.8	62	SSW	3	b	1022.4	+3	64	-1	NW	1	W	bc	2	-	67	53	bc	b	bc	11.9		
NORTHERN EUROPE.	Wick	1020.0	59	-	0	bc	1022.4	+2	53	-1	NW	1	NW	c	1	-	62	46	bc. m	bc. m	bc. m	*		
	Nairn	1019.0	62	E	1	bc	1022.3	*	56	+1	-	0	-	b	0	-	69	44	bc	c. bc	bc. w	11.3		
	Aberdeen	1020.7	59	SE	2	b	1022.9	+2	56	+1	-	0	N	b	2	-	65	46	bc. b	bc. b	bc. w	13.7		
	Leith	1019.2	61	E	1	c	1023.2	+2	55	-1	NE	1	NE	c	1	-	69	51	b	b. bc. c	cz. c	*		
	Tynemouth	1020.4	57	NW	1	c	1023.3	*	55	0	-	0	N	bc. m	3	-	60	52	b	bc	cmp	*		
	Spurn Head	1020.7	57	E	3	c	1022.7	+1	57	+1	ESE	2	-	c	4	-	65	52	bc. m	c	bc	4.6		
	Yarmouth (Gorleston)	1019.6	61	ESE	2	bc	1022.2	+3	60	0	NE	3	-	bc. m	2	-	69	56	bc. m	bc. m	c. bc. m	10.6		
	Clacton-on-Sea	1019.7	66	SSW	1	c	1022.1	+2	61	0	NNE	2	N	c	1	-	72	57	bc. cz	cz	cz. cz. w	7.4		
	Nottingham	1019.5	69	W	2	c	1023.9	*	53	-5	SE	1	-	om. w	*	-	74	48	b. bc	c	c	5.5		
	Benson (Oxon.)	1019.8	70	N	1	c	1022.3	+3	57	0	NNW	1	NW	b	0.2	74	54	om. c	cp	bc. m	*			
FRANCE, &c.	Sth Farnborough	1019.4	70	NEW	2	o	1022.5	+2	61	+4	WNW	2	NW	om	1	1	76	54	om. c	c. bc. o	op. m. o	7.5		
	London (Kew Obsy.)	1019.3	71	W	2	o	1022.3	+2	59	+2	WSW	1	NW	bc. m	*	4	75	56	om. w. cz	cz. ou	om. bc. m	8.2		
	Spitsbergen	1012.2	39	-	0	p	1016.4	+2	39	+2	-	0	*	o	*	*	39	36	*	*	*	*		
	Vardö	1010.7	48	NNW	4	o	1012.6	+5	45	-1	N	4	-	o	3	*	45	45	*	*	*	*		
	Bodö	1012.2	57	WSW	1	b	1015.8	0	50	-7	SW	1	-	c	2	10	57	52	*	*	*	*		
	Christiansund	1008.7	57	NE	3	c	1018.3	+3	55	-4	NE	2	-	c	3	Trace	75	54	*	*	*	*		
	Skudesnaes	1010.2	55	NW	8	o	1013.6	+2	55	-2	NNW	6	-	o	2	-	57	54	*	*	*	*		
	Færder (X'lania Fjord)	1005.5	64	N	4	c	1008.2	+2	59	0	N	6	-	o	2	1	64	57	*	*	*	*		
	The Scaw (Skagen)	1006.6	63	NW	2	o	1007.2	+5	63	0	N	3	-	o	3	1	63	59	*	*	*	*		
	Blaavands Huk	1011.2	57	NW	7	p	1013.6	*	55	-4	NW	5	-	p	*	1	63	54	*	*	*	*		
SOUTHERN STATIONS.	Copenhagen	1004.2	66	WNW	4	o	1006.2	+1	61	-2	NNW	3	-	p	12	70	59	*	*	*	*			
	Bornholm	1004.3	63	WNW	3	o	1005.5	+1	59	-2	WNW	6	-	m	1	3	68	59	*	*	*	*		
	The Helder	1019.5	61	NW	3	b	1020.6	+1	59	-2	NW	4	-	bc	2	-	63	57	*	*	*	*		
	C. Gris Nez	1020.3	58	SSW	3	b	1021.9	+2	57	-5	SSW	2	*	f	2	Trace	66	55	*	*	*	*		
	La Hève	1022.6	61	W	3	o	1022.6	*	59	0	WNW	3	*	o	3	-	66	54	*	*	*	*		
	Brest (St. Mathieu)	1024.2	64	NW	3	b	1024.8	+1	68	+9	E	1	*	b	2	-	68	57	*	*	*	*		
	Rochefort (Ile d'Als)	1022.6	68	NW	3	o	1022.5	+1	66	+1	NE	2	*	bc	*	-	72	61	*	*	*	*		
	Biarritz	1020.7	69	NE	3	o	1020.6	+1	64	-2	ENE	1	*	o	*	-	70	63	*	*	*	*		
	Paris	1021.9	66	WNW	1	c	1022.8	+1	63	+2	-	0	-	c	*	-	70	59	*	*	*	*		
	Belfort	1020.6	70	W	2	c	1022.3	*	63	-3	-	0	-	m	*	-	79	58	*	*	*	*		
LONDON OBSERVATIONS.	Lyons	1018.7	77	NNW	1	b	1021.2	*	66	-4	N	2	*	c	*	-	80	61	*	*	*	*		
	Nice	1013.6	72	-	0	b	1014.6	+1	71	-2	SW	1	*	bc	0	-	68	64	*	*	*	*		
	Perpignan	1017.2	86	W	1	bc	1018.9	+2	77	0	NW	2	-	b	*	-	93	70	*	*	*	*		
	Sanguinaire	1016.4	78	NW	2	m	1015.1	*	76	+4	E	3	*	m	4	-	90	68	*	*	*	*		
	Corunna	1022.6	70	N	5	b	1020.6	?	70	+2	-	0	-	b	1	?	70	63	*	*	*	*		
	Madrid	1013.2	91	W	3	b	1017.0	+2	75	-2	NE	1	-	b	*	-	97	64	*	*	*	*		
	Lisbon	1017.6	79	NW	5	b	1017.6	0	70	+4	-	0	-	b	5	-	84	64	*	*	*	*		
	Azores (Horta)	1020.0	*	NW	3	b	1022.3	+1	64	-2	-	0	*	b	1	-	75	63	*	*	*	*		
	Madeira	1016.9	81	N	3	b	1016.4	0	73	+7	N	3	-	bc	3	-	81	70	*	*	*	*		
	Gibraltar	1017.3	74	E	3	m	1017.3	*	74	+2	SE	3	*	m	2	-	86	65	*	*	*	*		
	Malta	*	*	*	*	*	1014.4	+1	77	0	WNW	2	-	b	1	-	82	73	*	*	*	*		
SOUTH KENSINGTON.	Limassol	*	*	*	*	*	1004.7	+2	86	-4	W	2	-	b	0	-	99	64	*	*	*	*		
	Alexandria	1007.3	75	NW	4	b	1005.2	0	77	-2	-	0	N	b	1	-	86	73	*	*	*	*		
	Cairo (Helwan)	1003.9	86	N	2	b	1005.2	+1	73	0	NW	1	NW	b	*	-	99	72	*	*	*	*		
	HUMIDITY.					24 HOURS ENDED 9 H. 21st.					SOUTH KENSINGTON.					Vertical Component of Solar Radiation per square Centimetre during 20th.					The thermometers at Greenwich and Camden Square are in Glaisher screens.			
	25 h.		9 h.		Sun- shine for 20th. Hours.	TEMPERATURE.			Rain- fall. mm.	WEATHER.			Total.			Average Rate.			Max. Rate.					
	20th		21st			Max.	Min.	F.		Morn- ing.	After- noon.	Night.	1850			32.2			78.5					
	%		%			F.	F.			mm.	F.			Joules.			Milliwatts.			Max. Rate.				
	20th		21st				Max.	Min.	F.		Morn- ing.	After- noon.	Night.	1850			32.2			78.5				
	%		%			F.	F.			mm.	F.			Joules.			Milliwatts.			Max. Rate.				
	20th		21st																					



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON SATURDAY, 21<sup>ST</sup> JULY 1917.

Fine bright weather prevailed generally, over 12 hours of sunshine being recorded in many places. Temperature rose to near 75° over a wide area, and rainfall was confined to a few light showers in the extreme North and West. There was considerable rain in the Baltic area, thunderstorms occurred in the North of France.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR SATURDAY, 21<sup>ST</sup> JULY, UP TO 17 H.

STATIONS.	Sun- shine for 20 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 21 <sup>st</sup>	STATIONS.	Sun- shine for 20 <sup>th</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 21 <sup>st</sup>
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.						Mm.	Mm.	° F.	° F.			
Scotland.									England, E.								
Oban ...	14.2	-	-	63	45	b	b	11.7	Lowestoft ...	9.0	-	-	67	56	bc	bcv	11.2
Banff ...	10.2	-	-	65	42	b	b	12.1	Felixstowe ...	8.7	-	-	69	58	b	b	10.5
Montrose ...	8.1	-	-	69	60	b	b	11.0	Walton-on-Naze ...	5.3	3	-	69	58	o.c. bc	bc. br	7.0
St. Andrews ...	*	-	-	69	59	b	b	13.0	Southend-on-Sea ...								
Carnoustie ...	*	-	-	69	59	b	b	13.0									
England, N.E.									England, S.E.								
Harrogate ...	11.6	-	-	73	47	bc. b	b. bc. b	9.6	Margate ...	8.2	-	-	65	59	bc. b	b	9.8
Skegness ...	*	-	-	63	49	bc	b	6.0	Hastings ...	10.2	-	-	69	56	bc. b	o. bc. b	6.4
									Eastbourne ...	11.2	-	-	69	56	bc	b	6.2
									Seaford ...	11.1	*	*	73	?	b	tr. bc	6.6
									Brighton ...		-	5	69	58	bc	o. r. c	7.5
England, N.W.									Worthing ...	10.0	-	-	74	57	b	b	8.9
Morecambe ...		-	-	68	50	b	b	11.5	Littlehampton ...		-	-	72	56			6.5
Southport ...	12.9	-	-	68	50	b	b	11.5	Bognor ...		-	-					
									Bournemouth ...	9.5	-	-	75	57	b	b	13.0
Midlands.																	
Leamington Spa ...		-	-	76	53	bc	bc. b	10.2	Weymouth ...		*	*					
Malvern ...		-	-	76	53	bc	bc. b	10.2	Torquay ...	1.9	-	-	70	53	c. bc. b	b	11.2
Ross-on-Wye ...	2.4	-	-	76	53	bc	bc. b	10.2	Paignton ...		-	-	72	52	b	b	13.5
									Penzance ...	9.0	-	-	65	56	c	c	0.5
Wales.									Newquay ...		-	-					
Rhyl ...		*	*	65	51	c. b	b	11.3	Bude ...	5.2	-	-	69	59	c. bc	bc. b	6.8
Colwyn Bay ...		*	*	65	51	c. b	b	11.3	Ilfracombe ...		-	-					
Llandudno ...	*	*	*	65	51	c. b	b	11.3	Weston-s-Mare ...		*	*					
Aberystwyth ...	*	*	*	67	57	c. b	b. bc	9.0									

REPORTS FROM FOREIGN STATIONS FOR SATURDAY, 21<sup>ST</sup> JULY.

STATIONS.	EVENING OF 20 <sup>TH</sup>					MORNING OF 21 <sup>ST</sup>					MORNING OF 21 <sup>ST</sup>				
	Barom.	Temp.	Wind.	Force	Weather.	Barom.	Temp.	Wind.	Force	Weather.	Barom.	Temp.	Wind.	Force	Weather.
	Milli- bars at M.S.L.	° F.	Dir.	0-12.		Milli- bars at M.S.L.	° F.	Dir.	0-12.		Milli- bars at M.S.L.	° F.	Dir.	0-12.	
RUSSIA 7 a.m. and 9 p.m. Local Time.															
Archangel ...	1002.6	64	NW	4	b	1003.0	55	NNW	2	o	1004.6	59	SW	4	b
Gorki ...	1005.7	68	-	0	o	1004.6	63	-	0	o	1004.6	59	SW	4	b
Veliki Luki ...	1005.5	64	-	0	o	1004.2	64	-	0	o	1004.2	55	SSE	4	c
Hangö ...						1006.7	64	ESE	2	b	1006.7	57	SE	3	o
Riga ...	1005.7	66	-	0	o	1005.6	61	NNE	1	r	1005.6	61	SE	3	o
Petrograd ...	1007.1	68	N	2	o	1005.1	64	ENE	2	o	1005.1	61	SE	3	o
Moscow ...	1004.0	72	NNE	2	b	1003.7	64	ENE	1	c	1003.7	55	+	0	b
Kiev ...	1007.8	66	W	3	b	1009.0	61	W	3	b	1009.0	55	+	0	b
Kharkov ...	1007.4	72	W	2	o	1007.5	66	+	0	c	1007.5	59	WSW	2	o
Kishinev ...	1010.6	73	NW	2	o	1012.3	66	NW	2	bc	1012.3	63			
Elisabetgrad ...	1009.6	68	-	0	c	1011.4	66	NW	3	b	1011.4	59			
Nicolaiev ...	1010.4	70	-	0	c	1012.2	68	N	2	c	1012.2	64			
Odessa ...															
Tarkhankout ...						1012.3	75	W	4	b	1012.3	72			
Soukhom ...															
MEDITERRANEAN.															
Venice ...	1012.7	81	S	1	b	1014.3	73	ENE	1	tr	1014.3	86			
Pesaro ...	1013.0	81	-	0	b	1013.1	79	-	0	b	1013.1	84			
Rome ...	1015.3	77	SW	1	b	1015.3	81	-	0	c	1015.3	89			
Viesti ...	1013.7	89	-	0	b	1015.9	79	-	0	m	1015.9	82			
Brindisi ...	1013.1	75	-	0	b	1013.5	73	-	0	o	1013.5	79			
Cagliari ...	1015.1	82	NW	5	b	1013.8	75	NW	5	b	1013.8	90			
Palermo ...	1016.2	77	-	0	b	1015.3	82	+	0	f	1015.3	86			
Tripoli ...						1017.3	77	E	1	b	1017.3	81			
Algiers ...	1017.2	75	NNE	3	b	1016.8	73	NE	2	b	1016.8	81			
SWEDEN.															
Hernösand ...	1005.0	63	NNE	2	o	1009.7	66	N	4	bc	1009.7				
Stockholm ...	1009.5	63	E	2	r	1005.5	61	-	0	o	1005.5				
Wisby ...	1004.3	64	NNE	2	bc	1005.2	64	SW	2	b	1005.2				

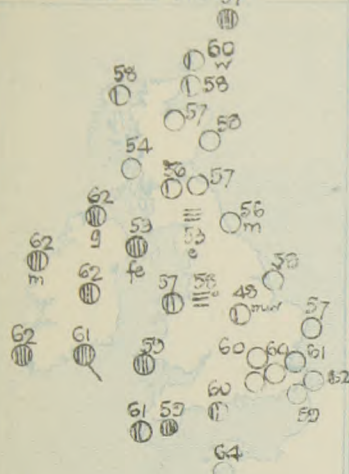
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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# THE MORNING OF SUNDAY, 22<sup>ND</sup> JULY, 1917.

TEMPERATURE, WEATHER AND  
SEA DISTURBANCE



FORECAST DISTRICTS.

## EXPLANATION.

**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**WIND.**—Direction is shown by arrows flying with the wind.

Force, on the scale 0-12, is indicated by the number of feathers. Calm

**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

**WEATHER.**—Shown by the following symbols:—

○ clear sky. ○ sky ½ clouded. ○ sky ¾ clouded.

⊙ sky ¾ clouded. ⊙ overcast sky. ● rain falling.

\* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.

K, thunderstorm. Rough ~~~. High ~~~.

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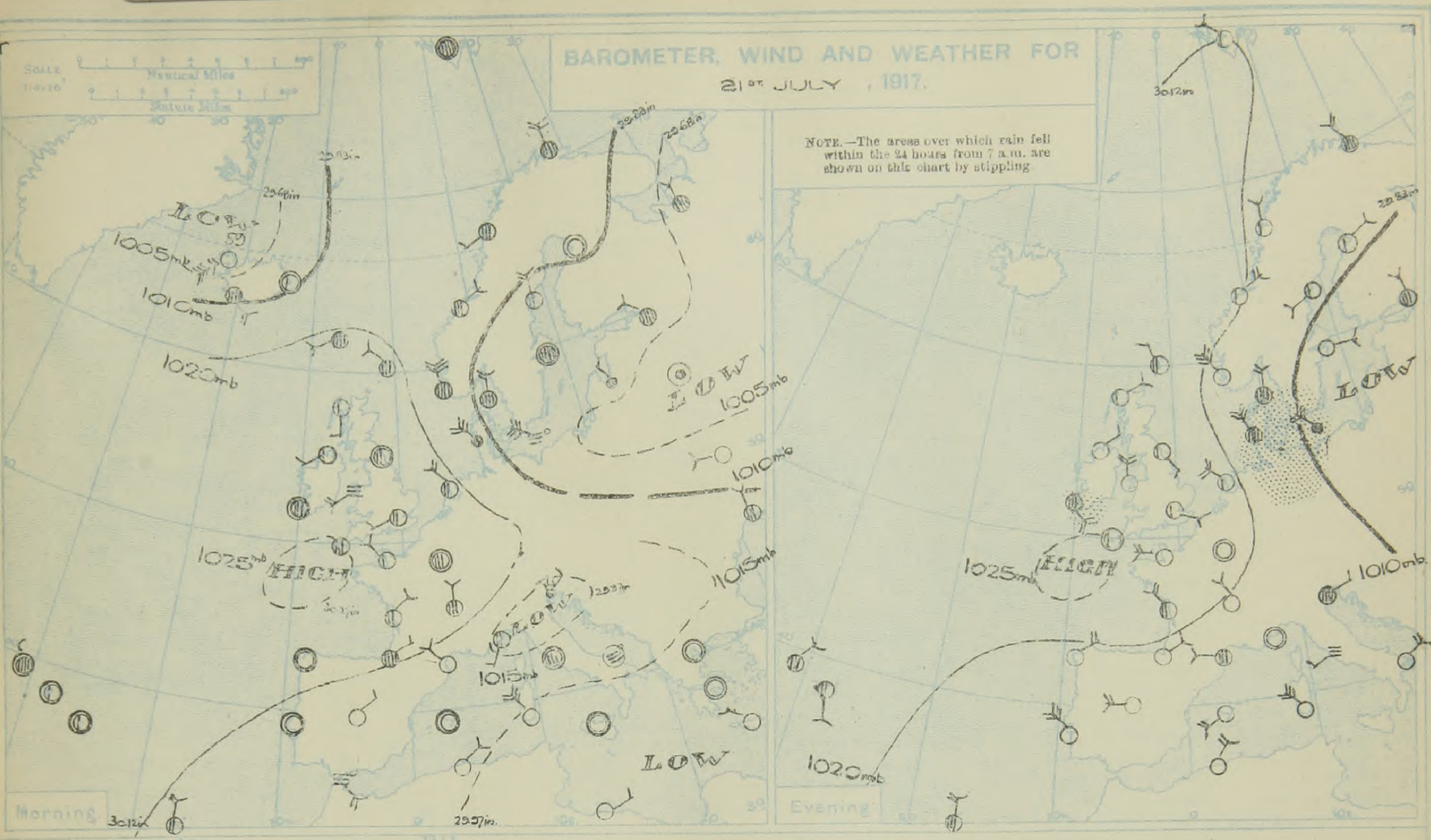
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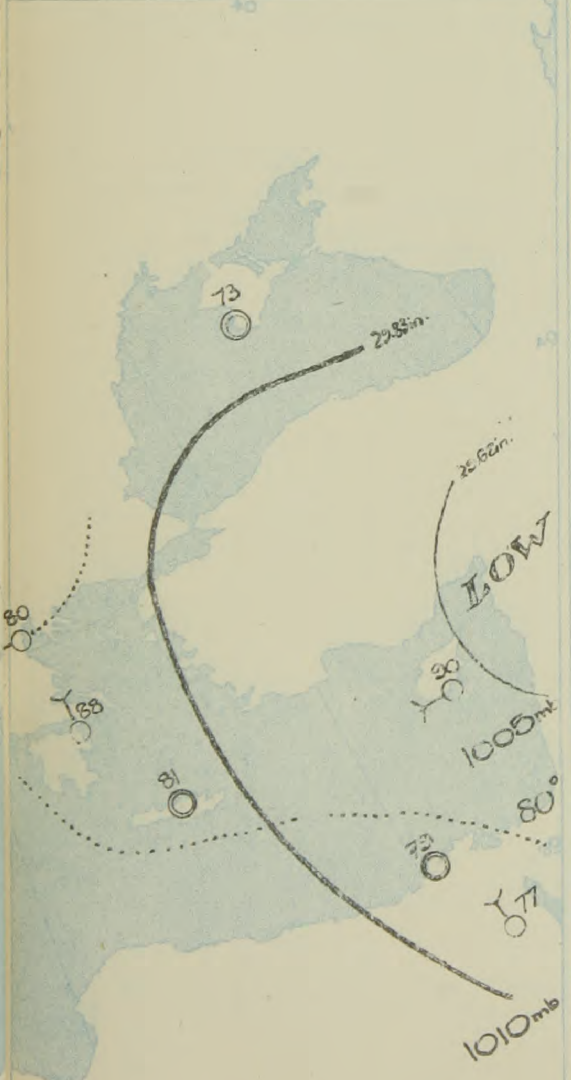




### The Present Situation

The rather irregular pressure distribution of yesterday has developed into a more pronounced anti-cyclone centred over East Anglia. The winds over the British Isles are very light and the weather for the most part fine. The sky is cloudy in the West of Ireland, but there is a remarkable absence of cloud on the East of Britain, France and the Low Countries. The depression which passed across Scandinavia on Friday is still shown on the map. It is now centred near Moscow and is causing rain in the Eastern part of the Baltic and over Russia. It still maintains a rather strong North-West wind over the Eastern part of the North Sea.

A second anticyclonic system is shown over the Azores and appears to extend thence towards Spain. Conditions over the Atlantic appear to be quiet and the chances are in favour of the continuance of anti-cyclonic conditions over the British Isles.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 203 { 22<sup>nd</sup> JULY. Sunday

STATIONS.	EVENING OF 21 <sup>st</sup>					MORNING OF 22 <sup>nd</sup>										24 HOURS ENDED 7 A.M.					Sun- shine for 21 <sup>st</sup> Hours	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 24 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours. °F.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1022.3	61	NW	1	bc	1022.9	0	57	0	N	1	-	c	1	64	53	ep	bc	o.c	*	
	Deerness (Orkney)	1022.3	62	-	0	b	1024.0	*	60	+5	ESE	1	SW	dw	0	66	50	c.be.b	b	dw	12.8	
	Stornoway	1022.5	62	ENE	3	bx	1023.8	0	58	+2	-	0	-	b	0	66	47	b.be	bc.bx	b	11.7	
	Castlebay (Barra Isd.)																					
	Glasgow	1023.3	69	W	2	b	1024.7	0	56	+6	-	0	-	b	*	73	48	cm.be	b	b.be.bm	12.0	
	Eskdalemuir	1023.1	68	S	3	b	1025.3	0	53	-5	-	0	-	fe	1	71	44	c.c.bx	cd.b	b.bx.fe	12.6	
	Malin Head	1022.7	62	NE	1	bx	1022.0	0	62	+8	S	2	SW	cg	2	65	55	bc	bx	cg	9.7	
	Blacksod Point	1022.6	62	SW	1	bc	1022.4	0	62	+4	SE	2	-	cm	1	65	58	bc	bc	c2.cm		
	Valencia (Cahirciveen)	1022.4	64	SSE	4	c	1020.8	0	62	+5	SSE	3	S	o	3	70	57	o.be	c.be	c.ad.o	6.9	
	Roche's Point	1024.4	63	SE	2	c	1023.7	*	61	+4	SE	2	-	o	2	66	57	bc.c	bc.c	c.o	*	
	Birr Castle	1022.7	73	SW	1	c	1023.2	*	62	+8	G	1	-	c	*	75	54	bc	c	c	1.0	
	Donaghadee	1022.3	60	SE	2	ef	1024.3	+2	53	-2	SSE	1	-	ofe	0	63	50	bcf	cf	b.f.ofe	*	
	Liverpool (Bldston)	1024.1	65	WNW	2	b	1025.1	0	53	-1	WNW	1	-	m	0	68	57	bc	b	bm	10.9	
	Holyhead	1024.3	56	N	3	bf	1024.9	0	57	-1	S	2	-	bc	0	Trace	67	51	bf	bf	b.fad	11.3
	Penbroke (St. Ann's)	1024.6	63	SW	2	b	1023.0	0	59	0	SSE	1	-	c	0	65	55	bc	b	bf.c	9.0	
	Scilly (St. Mary's)	1025.0	67	-	0	b	1024.5	0	61	0	SE	2	SE	bc	2	68	57	cm.bc	bc.b	bc	12.0	
	Falmouth	1024.5	68	WNW	2	bx	1024.5	+1	59	+2	NE	3	-	o	*	71	53	bc.m.c	c.b	bx.om	8.6	
	Jersey (St. Aubin)	1024.6	66	WNW	3	b	1025.1	*	64	+2	E	1	-	b	1	70	57	b	b	b	14.4	
	Portland Bill	1023.9	62	W	3	b	1025.2	+1	60	-1	NE	3	E	bc	2	66	57	b.be	bc.b	b.be	*	
	Dungeness	1023.7	61	NE	4	b	1025.9	+1	59	+2	NE	1	-	b	0	65	47	f.e	c.b	b	*	
	Dover	1024.6	61	E	2	b	1026.1	+1	62	-2	-	0	-	b	2	71	47	c.be	bc	bx	10.7	
	Wick	1023.6	59	-	0	b	1023.9	+1	58	+5	-	0	-	b	1	61	43	c.bm	bm	bm	*	
	Nairn	1022.4	62	E	2	bc	1023.4	*	57	+1	-	0	-	b	1	72	46	b	b.be	bc.c.be	13.6	
	Aberdeen	1022.8	60	SE	1	b	1024.3	0	58	+2	-	0	-	b	1	67	47	b	b	b.be.b	14.3	
	Leith	1022.7	67	E	1	bc	1023.8	0	57	+2	-	0	-	b	0	70	52	b	b.bv.be	bc.bx.b	*	
Tynemouth	1024.3	61	E	1	bm	1025.2	+	56	+1	S	1	-	bm	3	63	52	bc.m	bm	bm	*		
Spurn Head	1024.2	60	EGE	2	bcv	1026.0	0	58	+1	-	0	-	b	2	63	55	bc	bcv	bc	11.3		
Yarmouth (Gorleston)	1024.1	62	NE	3	b	1026.7	+1	57	-3	NW	2	-	b	2	65	49	bc.m	b	b	10.9		
Clacton-on-Sea	1024.4	63	ENE	2	bc	1026.3	0	61	0	WNW	1	-	b	0	66	50	c.be	bcv	bcv.bx	11.9		
Nottingham	1023.7	67	SE	1	c	1025.6	*	55	+2	SE	1	-	bmw	*	71	48	o.c	c	c.b	4.6		
Benson (Oxon.)	1023.1	72	NE	1	bc	1025.1	+2	60	+3	SE	1	-	b	*	74	52	bc	bc	o	*		
Sth Farnborough	1023.7	72	E	1	b	1025.7	+1	59	+2	SSE	2	-	bx	*	73	52	m.o.bx	bcx	bx.o.bx	8.7		
London (Kew Obsy.)	1023.5	71	EGE	2	b	1026.3	+1	60	+1	S	1	-	b	*	Trace	72	53	bc.mw.b	b.c.b	bc.bmw	10.8	
NORTHERN EUROPE.	Spitsbergen	1020.0	36	NW	2	b	1020.8	+2	39	0	-	0	*	o	*	39	34					
	Vardö	1016.8	35	N	5	c	1016.0	0	43	-2	N	1	-	r	2	45	43					
	Bodö	1018.6	52	N	2	b	1019.9	0	48	-2	N	4	-	c	2	57	48					
	Christiansund	1021.1	55	NE	3	b	1022.2	0	56	0	NNE	1	-	c	3	73	52					
	Skudesnaes	1016.3	55	NW	6	b	1019.2	+2	55	0	NW	5	-	c	2	59	50					
	Færder (X'tania Fjord)	1011.9	63	NNW	6	o	1016.0	+2	59	0	NNE	6	-	c	2	64	57					
	The Scaw (Skagen)	1012.6	63	N	3	o	1014.0	+3	63	0	N	5	-	c	5	66	59					
	Blaavands Huk	1014.7	57	NNW	5	o	1017.1	*	57	+2	NNW	4	-	o	6	Trace	69	54				
	Copenhagen	1008.6	64	NW	3	c	1011.4	+2	63	+4	NNW	2	-	o	*	68	61					
	Bornholm	1007.2	61	NW	5	r	1010.3	+3	63	+4	N	2	-	m	0	11	63	59				
FRANCE, &c.	The Helder	1022.4	61	NW	4	b	1023.6	+2	59	0	NW	5	-	b	2	68	59					
	C. Gris Nez	1024.2	62	ENE	4	b	1027.0	+2	60	+3	-	0	*	b	1	68	52					
	La Hève																					
	Brest (St. Mathieu)	1024.6	69	NNW	4	b	1023.6	0	60	-8	E	4	*	b	2	70	57					
	Rochefort (Ile d'Atx)	1021.1	71	NW	4	bc	1022.3	+1	64	-2	E	3	*	b	*	82	61					
	Biarritz	1019.6	70	NE	2	b	1019.5	+1	70	+6	SE	1	*	o	2	77	64					
	Paris	1022.3	68	-	0	bc	1023.8	+2	61	-2	NE	2	-	b	*	75	52					
	Belfort																					
	Lyons	1019.6	71	NNW	2	b	1020.7	*	64	-2	N	2	*	b	*	77	59					
	Nice	1012.3	73	-	0	b	1013.2	+2	75	+4	-	0	*	b	0	84	66					
SOUTHERN STATIONS.	Perpignan	1016.4	84	W	2	c	1017.5	+1	77	0	-	0	*	b	*	93	66					
	Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Corunna	1017.6	77	NE	3	b	1019.4	+2	70	0	SW	1	SW	b	1	80	59					
	Madrid	1012.2	91	W	3	b	1016.4	+1	72	-3	-	0	E	b	*	97	63					
	Lisbon	1016.5	81	NW	5	b	1015.1	+1	68	-3	NW	2	-	b	5	84	64					
	Azores (Horta)	1024.4	*	-	0	b	1023.4	+2	63	-	0	*	b	2	75	63						
	Madeira	1016.6	80	N	3	c	1017.9	0	66	-7	NE	3	-	b	3	84	66					
	Gibraltar		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Malta	*	*	*	*	*	1014.0	+6	77	0	W	2	-	b	1	86	72					
	Limassol	*	*	*	*	*	1006.0	+1	90	+4	W	2	-	b	0	99	64					
	Alexandria	1007.4	75	N	1	b	1009.6	+2	79	+2	-	0	-	b	0	86	73					
	Cairo (Helwan)	1006.4	91	N	3	b	1008.0	+1	77	+4	N	2	-	b	*	99	72					
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 21 <sup>st</sup> Hours.	24 HOURS ENDED 9 h. 22 <sup>nd</sup>					SOUTH KENSINGTON.												
		25 h.	5 h.		TEMPERATURE.		Rain- fall.		WEATHER.			Vertical Component of Solar Radiation per square Centimetre during 21 <sup>st</sup> .										
		21 <sup>st</sup>	22 <sup>nd</sup>		Max.	Min.	Min. on Grass.		Morn- ing.	After- noon.	Night.	Total.	Average Rate.	Max. Rate.								
GREENWICH (Royal Observatory)		55	56	9.6	74	49	41	-	c	c.b	b.bx	Joules.	Milliwatts.	Milliwatts.								
CITY (Bunhill Row)		*	*	*	*	*	*	*	*	*	*	1800	31.5	75.5								
WESTMINSTER (St. James's Park)		53	59		75	51	48	-	o.bbe	be	bc.b	The thermometers at Greenwich and Camden Square are in Glaisher screens.										
CAMDEN SQ. (British Rainfall)		74	55	9.3	79	52	51	-	c.be	b	*											
HAMPSTEAD (Reservoir)		*	57	9.6	71	54	42	-	bc	bc	bcx.											
S. KENSINGTON (Museum Grounds)		*	57	9.2	72	55	?	-	b	b	b											

\* Information for these columns not usually received.

† Received too late for insertion in Charts.

‡ The barometric change is expressed in half millibars.



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON SUNDAY, 22<sup>ND</sup> JULY 1917.

The day was generally bright with sunshine measurements ranging up to 15 hours. Some rain fell in Ireland but there was little elsewhere. Temperatures were high. There was a good deal of mist and fog round our coasts.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR SUNDAY, 22<sup>ND</sup> JULY UP TO 17 H.

STATIONS.	Sun- shine for 21 <sup>st</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 12 <sup>noon</sup>	STATIONS.	Sun- shine for 21 <sup>st</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 12 <sup>noon</sup>		
		Night, 12h-9h.	Day, 9h-12h.	Max.	Min.	Forenoon.	Afternoon.				Night, 12h-9h.	Day, 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			
		Mm.	Mm.	° F.	° F.						Mm.	Mm.	° F.	° F.				Hr.	
Scotland.	{ Oban ... ..	14.2	-	-	68	48	b	bc	10.2	England, E.	{ Lowestoft ... ..	-	-	-	-	-	-	-	
	{ Banff ... ..	14.9	-	-	69	49	b	b	12.5		{ Felixstowe ... ..	13.5	-	-	68	49	br	br	12.4
	{ Montrose ... ..	13.4	-	-	64	55	b	b	?		{ Walton-on-Naze ... ..	-	-	-	-	-	-	-	
	{ St. Andrews... ..	*	*	*	76	62	b	b	12.5		{ Southend-on-Sea ... ..	-	-	-	-	-	-	-	
Eng. N.E.	{ Harrogate ... ..	9.9	-	-	78	46	b	b	11.9	England, S.E.	{ Margate ... ..	7.9	-	-	68	52	b	b	12.3
	{ Skegness ... ..	-	-	-	69	51	b	bc	10.5		{ Hastings ... ..	7.6	-	-	67	50	b	b	12.0
Eng. N.W.	{ Morecambe ... ..	-	-	-	-	-	-	-	England, S.W.		{ Eastbourne ... ..	-	-	-	-	-	-	-	
	{ Southport ... ..	14.6	-	-	71	51	b	b, bc, b			10.4	{ Seaford ... ..	-	-	-	-	-	-	-
											{ Brighton ... ..	-	-	-	-	-	-	-	-
											{ Worthing ... ..	2.2	-	-	68	52	b	b	12.0
Midlands.	{ Leamington Spa ... ..	-	-	-	-	-	-	-	England, S.W.	{ Littlehampton ... ..	-	-	-	-	-	-	-		
	{ Malvern ... ..	-	-	-	-	-	-	-		{ Bognor ... ..	-	-	-	-	-	-	-	-	
	{ Ross-on-Wye ... ..	-	-	-	-	-	-	-		{ Bournemouth ... ..	13.5	-	-	70	58	b	b	12.5	
Wales.	{ Rhyl ... ..	11.3	-	-	70	50	b	b	11.5	{ Weymouth ... ..	-	-	-	-	-	-	-		
	{ Colwyn Bay... ..	*	*	*	67	54	bc	bc	13.6	{ Torquay ... ..	-	-	72	55	b	b	9.1		
	{ Llandudno ... ..	*	*	*	71	52	b	b	11.7	{ Paignton ... ..	-	-	-	-	-	-	-		
	{ Aberystwyth ... ..	*	*	*	67	51	c, b	bc, c	12.3	{ Penzance ... ..	-	-	-	-	-	-	-		
									{ Newquay ... ..	Trace	-	71	50	bc, b	b	9.1			
									{ Bude ... ..	-	-	-	-	-	-	-	-		
									{ Ilfracombe ... ..	-	-	-	-	-	-	-	-		
									{ Weston-s-Mare ... ..	-	-	-	-	-	-	-	-		

REPORTS FROM FOREIGN STATIONS FOR SUNDAY, 22<sup>ND</sup> JULY

STATIONS.		EVENING OF 21 <sup>ST</sup>					MORNING OF 22 <sup>ND</sup>										MORNING OF 21 <sup>ST</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.			
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.	Weather.
RUSSIA 7 a.m. and 9 p.m. Local Time.		°F.					°F.	°F.						°F.	°F.			°F.	°F.				
Archangel ...							48	-7	N	3	b	-	*	45		Isafjord ...	1018.7	50	-9	E	3	o	
Gorki ...	1005.1	63	N	1	o	1006.4	61	-2	N	1	o	15	*	57		Reykjavik	1017.2	54	-1	E	2	r	
Velieki Luki ...						1003.7	63	-1	-	0	r	25	*	61		Vestmanna	1018.0	52	+2	-	o	o	
Hangö ...	1006.9	70	-	0	o	1008.4	63	-1	ENE	2	o	1	*	59		Seydisfjord	1017.7	59	+4	-	o	bc	
Riga ...						1005.2	64	+3	NNE	1	o	-	*	61		Thorshavn	1018.6	58	+3	-	o	b	
Petrograd ...	1005.5	68	N	2	c	1006.7	64	0	ENE	4	c	-	75	66									
Moscow ...	1002.1	72	ENE	1	c	1002.4	66	+2	NNE	2	b	-	*	66									
Kiev ...	1011.1	73	WNW	3	c	1011.9	59	-2	WNW	3	c	-	*	54									
Kharkov ...	1009.1	68	W	2	b	1010.9	63	-3	W	2	b	-	*	57									
Kishinev ...													*										
Elisabetgrad ...	1011.9	68	NNW	2	c								*										
Nicolaiev ...													*										
Odessa ...	1013.1	72	WSW	3	bc								*										
Tarkhankout ...	1013.5	73	N	1	b	1013.6		73	-2	SSE	2	bc	-	70									
Soukhoun ...													*										
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																							
23 <sup>RD</sup> AND 24 <sup>TH</sup> JULY 1917.																	Sunrise.	Noon.	Sunset.				
																	G.M.T.	G.M.T.	G.M.T.				
Yarmouth ...																	4.0 4.2	11.59 11.59	7.58 7.56				
Greenwich ...																	4.12 4.13	12.6 12.6	8.0 7.59				
Wick ...																	3.45 3.47	12.18 12.18	8.51 8.49				
Valencia ...																	4.50 4.52	12.47 12.47	8.44 8.42				
SWEDEN.		Hernösand ...	1012.0	66	SW	2	b	1013.9	*	55	-11	NW	2	o	*	*	*						
		Stockholm ...	1008.2	66	E	2	o	1010.1	*	61	0	N	2	o	*	*	*						
		Wisby ...	1006.6	66	NNE	2	b	1008.2	*	63	-1	NNE	2	5	*	*	*						

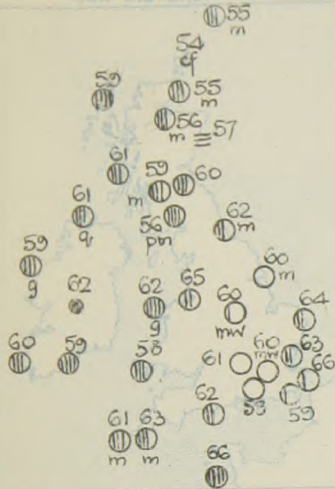
NOTE.—The information relating to weather is indicated by the following letters:—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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# THE MORNING OF MONDAY, 23<sup>RD</sup> JULY, 1917.

TEMPERATURE, WEATHER AND  
SEA DISTURBANCE.



FORECAST DISTRICTS.

## EXPLANATION.

**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**WIND.**—Direction is shown by arrows flying with the wind.

Force, on the scale 0-12, is indicated by the number of feathers. Calm.

**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

**WEATHER.**—Shown by the following symbols:—

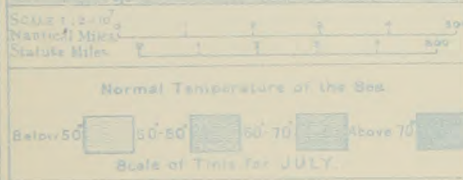
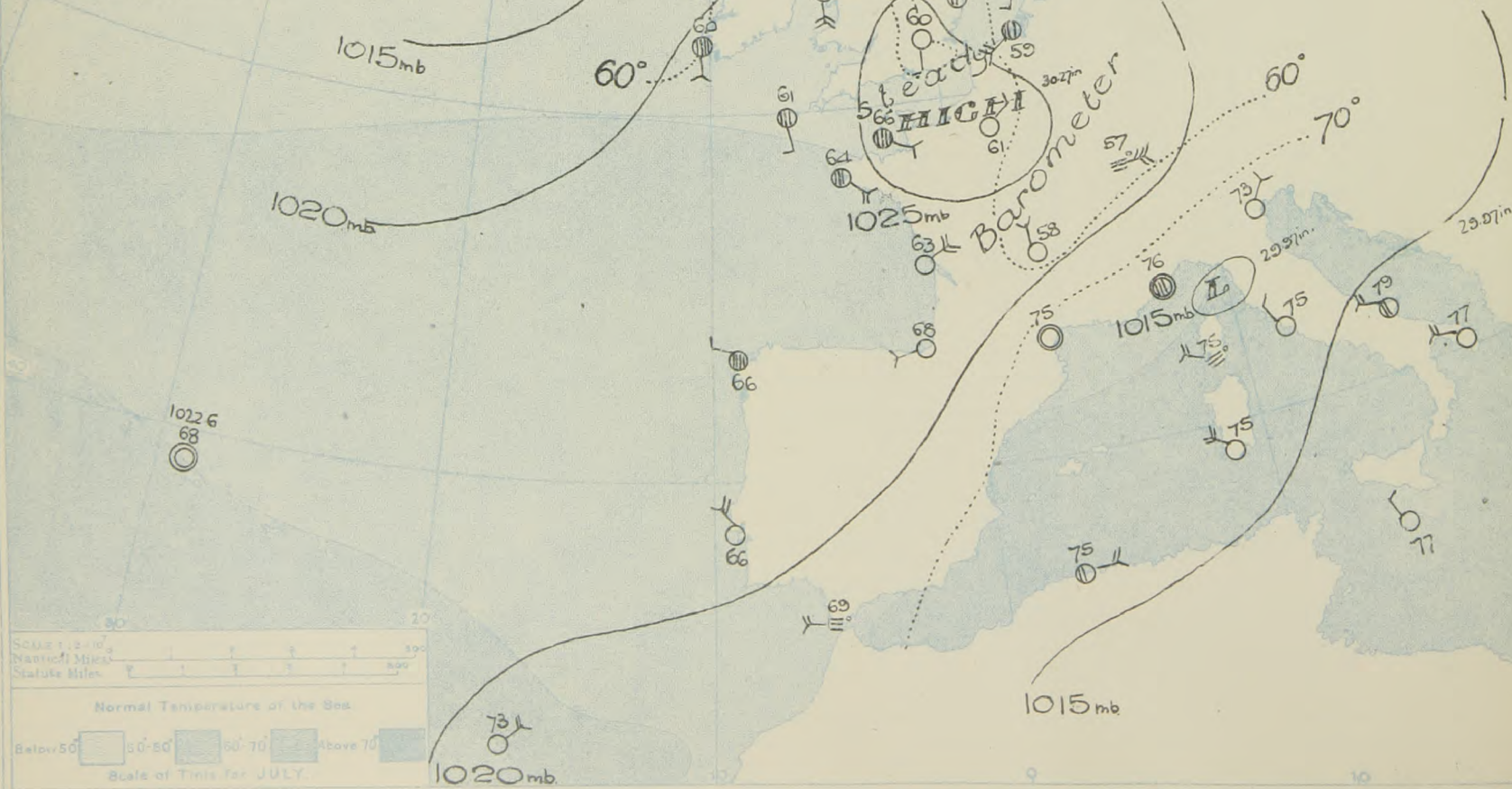
○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded.

○ sky 2/3 clouded. ○ overcast sky. ● rain falling.

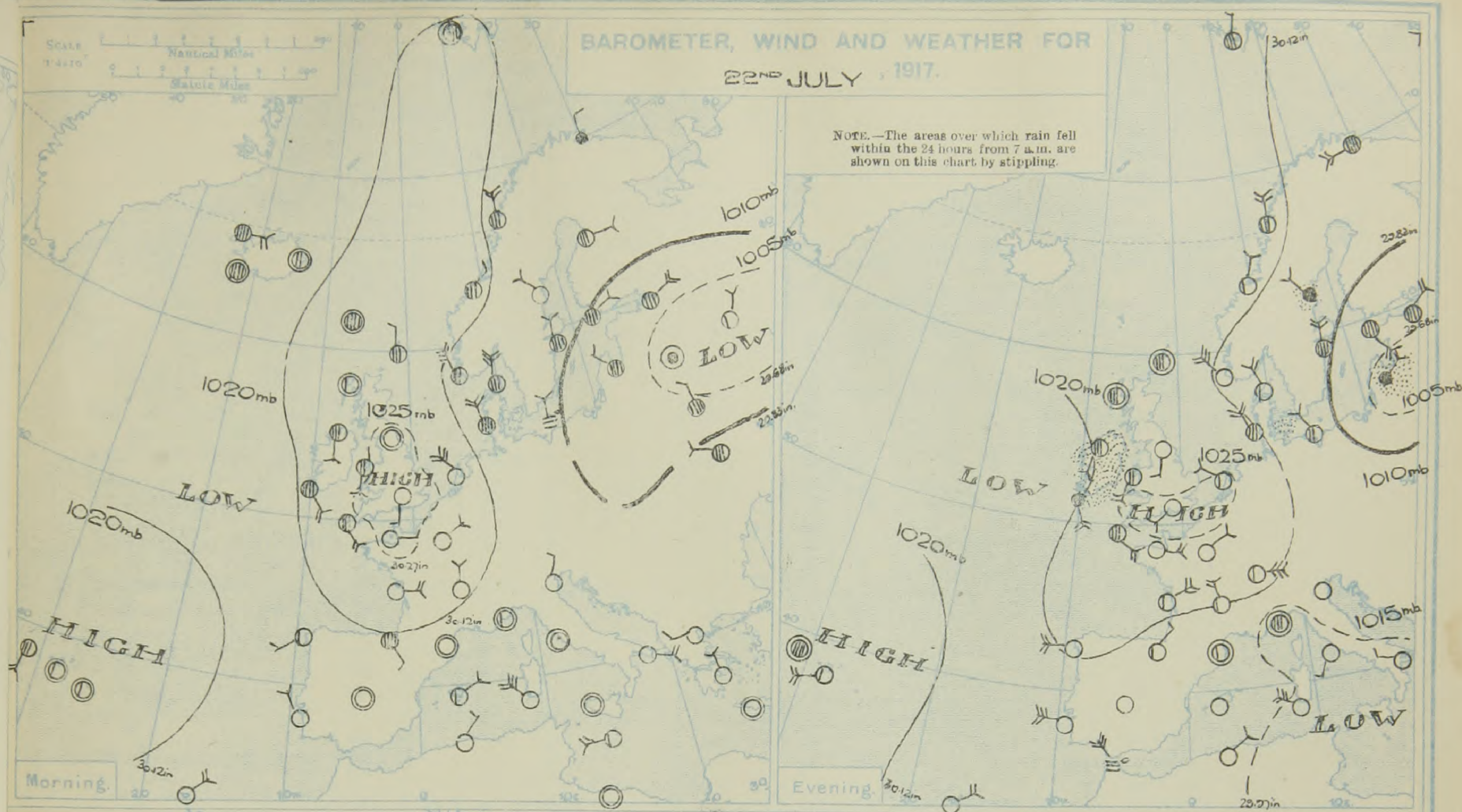
\* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.

⚡, thunderstorm.

**SEA DISTURBANCE.**—Rough ~~~~~ High ~~~~~.





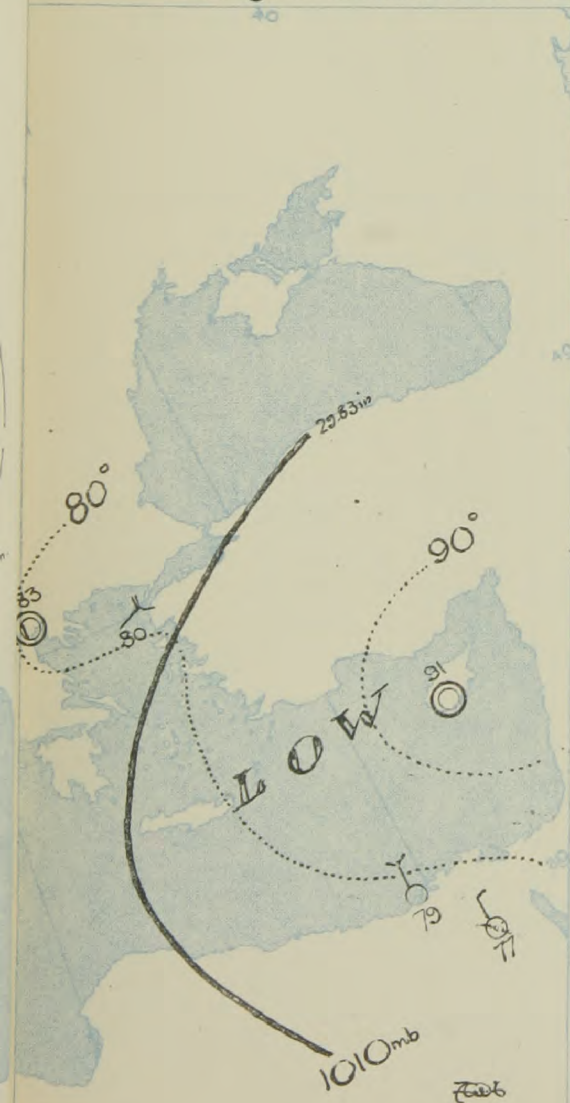


### The Present Situation

An anticyclone covers the British Isles and France, the region of highest pressure being over the Eastern Channel. A ridge of high pressure stretches away to the Azores. There are indications of a depression beyond the Baltic, and also of another low pressure area off our North-West coasts. Winds are light all over the British Isles. Weather is mainly fair or fine, but mist is reported at many stations with fog at Aberdeen and in the Orkneys. Rain is falling at Birr Castle.

### Outlook

The changes in progress are very slight. There is likely to be some slight encroachment of the Atlantic depression on our North-West coasts but the effects will not be felt inland. Anticyclonic conditions are likely to prevail over the British Isles generally for some days.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 2041 (Monday 23rd July)

STATIONS.	EVENING OF 22nd					MORNING OF 23rd										24 HOURS ENDED 7 A.M.					Sun- shine for 22 Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Dir.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1023.8	58	-	0	c	1023.3	0	55	-2	E	1	-	cm	1	-	62	49	c	c	cm	*
	Deerness (Orkney)	1023.7	54	ESE	1	f	1022.0	*	54	-6	ESE	3	SW	cf	2	-	63	50	b	b.bcf	fm	12.1
	Stornoway	1022.6	63	-	0	c	1020.1	-1	59	+1	-	0	-	o	0	-	65	58	b.be	c	o	11.2
	Castlebay (Barra Isd.)																					
	Glasgow	1022.9	70	WSW	2	bc	1022.7	0	59	+3	-	0	SW	c	*	-	74	55	bz.b.be	bcz.	bc.c.cm	12.6
	Esksdalemuir	1023.3	68	SW	3	c	1023.8	+1	56	+3	SE	1	W	opm	*	-	73	46	f.bcm.b	b	b.bcfm	9.7
	Malin Head	1020.7	70	SW	2	cm	1019.2	-1	61	-1	SSE	3	SW	cg	2	-	72	59	cm	bcm	cg	4.0
	Blacksod Point	1018.7	64	ESE	4	bc	1018.5	0	59	-3	S	2	-	cg	2	4	66	57	omr	bc	cg	*
	Valencia (Cahirveen)	1019.4	62	SSE	4	or	1020.3	0	60	-2	S	2	SW	o	3	6	64	59	o.ad.	o.or	r.o	0.0
	Roche's Point	1022.5	62	SE	3	c	1021.7	*	59	-2	SE	1	-	o	2	1	66	59	cg	cg.be	om.op	*
	Birr Castle	1021.4	65	SSE	2	o	1020.6	*	62	0	S	1	-	r	*	5	73	59	o	o	or	0.0
	Donaghadee	1022.9	56	SE	2	bf	1021.1	+1	58	+5	S	3	-	f	2	Trace	70	53	bcm	bcm	of.cfe	
	Liverpool (Birdston)	1024.2	68	WNW	1	b	1024.1	0	65	+7	SSE	1	-	bc	1	-	73	58	bm	b	b.bc	13.6
	Holyhead	1024.1	65	SSW	3	bc	1022.9	0	62	+5	S	4	-	og	3	-	70	58	be.bf	b.be	ev.be.o	11.4
	Pembroke (St. Ann's)	1025.1	62	SE	1	bc	1023.5	-3	58	-1	SE	3	SE	c	2	-	63	56	bc.bcf	bcf.be	bc.o.c	5.8
	Scilly (St. Mary's)	1024.2	64	SE	3	cm	1023.0	0	61	0	SSE	2	S	cm	3	0.1	67	59	bc.c	cm	bc.cm	8.6
	Falmouth	1024.3	61	SSE	1	cm	1023.1	+1	63	+4	E	2	-	c	*	-	67	57	cm.be	bc.c.cm	cm.cm	6.5
	Jersey (St. Aubin)	1024.3	73	E	3	b	1025.3	*	66	+2	ESE	2	-	c	1	-	78	57	b	b	b	3.7
	Portland Bill	1025.7	61	E	2	b	1025.3	0	62	+2	ENE	2	-	bc	2	-	66	58	bc.b	b	b.bc	*
	Dungeness	1025.9	64	SW	1	b	1025.0	0	59	0	NNE	2	-	b	1	-	67	50	b	b	b.be	*
	Dover	1025.9	62	-	0	b	1025.4	+1	66	+4	-	0	NE	b	2	-	68	53	b	b	bz	14.1
Wick	1023.4	57	E	2	bc	1021.7	0	55	-3	SE	2	-	cm	2	-	59	51	bm.bcm	bcm	bcm.cm	*	
Nairn	1021.7	63	ENE	2	bc	1020.9	*	56	-1	-	0	-	cm	0	-	67	50	c.be	bc	bcw	14.2	
Aberdeen	1023.9	59	E	1	c	1022.6	0	57	-1	-	0	-	f	1	0.1	64	55	b	bm.o.c	cfe	9.6	
Leith	1021.6	72	NW	1	bc	1021.8	0	60	+3	W	1	W	e	1	-	76	56	b	bc	bc.cz	*	
Tynemouth	1023.9	63	S	1	bm	1023.6	0	62	+6	-	0	-	bcm	2	-	68	55	bm	bc	bcm	*	
Spurn Head	1023.8	63	S	4	bcq	1024.0	0	60	+2	NW	2	-	bm	4	-	66	57	bc	bc	bm	6.5	
Yarmouth (Gorleston)	1024.8	66	SSW	3	b	1024.1	0	64	+7	NW	2	-	bc	2	-	70	56	b	b	bc	16.2	
Clacton-on-Sea	1026.3	65	SSE	3	b	1024.8	0	63	+2	WNW	2	-	bc	1	-	68	58	bz	bz.b	b.bcz	14.2	
Nottingham	1023.5	75	SW	1	b	1024.8	0	60	+5	SW	1	SW	bmw	*	-	79	55	b	bc.b	bc.c	11.1	
Benson (Oxon.)	1024.4	71	SSW	2	b	1025.3	+1	61	+1	-	0	-	b	*	-	75	48	b	bc	b	*	
Sth Farnborough	1024.9	71	SW	3	b	1025.4	0	58	-1	-	0	-	bw	*	Trace	76	46	b	b	bmw	13.0	
London (Kew Obsy.)	1025.3	75	SSW	2	b	1025.9	+1	60	0	S	1	-	bmw	*	-	77	53	b.bz	bz.b	b.bmw	12.3	
NORTHERN EUROPE.	Spitsbergen	1020.6	41	N	1	c	1019.7	0	37	-2	S	1	*	c	*	*	43	32				
	Vardö	1016.0	45	WSW	4	o	1011.5	-2	41	-2	NNW	8	-	o	5	-	46	41				
	Bodö	1020.6	50	N	4	c	1021.2	0	50	+2	N	4	-	c	2	-	50	48				
	Christiansund	1022.4	61	NNE	2	b	1023.3	0	54	-1	NE	4	-	o	3	-	64	52				
	Skudesnaes	1018.3	55	NW	6	b	1019.3	0	54	-1	NW	4	-	o	2	-	57	52				
	Færder (X'tania Fjord)	1015.5	66	W	2	b	1018.0	+1	57	-2	NNE	6	NW	bc	2	-	66	55				
	The Scau (Skagen)	1017.4	64	NW	3	b	1017.1	+1	61	-2	NE	3	N	c	3	-	68	54				
	Blaavands Huk	1020.4	55	NNW	4	c	1019.4	0	57	0	NW	4	-	o	*	-	61	54				
	Copenhagen	1015.2	63	NNW	2	o	1017.6	+1	57	-6	NW	3	-	o	*	1	64	56				
	Bornholm	1012.7	64	NW	2	bc	1016.2	+2	61	-2	NW	3	-	m	1	-	68	57				
FRANCE, &c.	The Helder	1025.0	63	WNW	2	b	1023.0	-1	57	-2	S	1	-	b	1	-	64	52				
	C. Gris Nez	1025.9	66	NE	1	b	1025.8	+1	62	+2	SSW	2	*	m	1	-	72	57				
	La Hève	1024.4	75	NW	1	b	1025.6	*	58	*	ESE	3	*	m	1	-	75	52				
	Brest (St. Mathieu)	1024.3	72	N	1	c	1023.9	0	64	+4	SE	3	*	e	1	-	82	61				
	Rocheport (Ile d'Aix)	1020.7	78	ENE	4	b	1022.7	+2	63	-1	ENE	4	*	b	*	-	90	57				
	Biarritz	1017.9	76	NNE	1	b	1020.8	+1	68	-2	WSW	2	*	b	1	-	81	64				
	Paris	1024.8	70	NE	2	b	1025.8	+1	61	0	NE	1	-	b	*	-	73	52				
	Belfort	1022.8	66	E	6	b	1024.5	*	57	*	E	5	*	m	*	-	72	49				
	Lyons	1019.4	72	NNW	3	b	1021.5	*	58	-6	N	2	*	b	*	-	77	53				
	Nice	1013.1	73	-	0	c	1015.9	+1	76	+1	-	0	*	e	0	-	82	68				
SOUTHERN STATIONS.	Perpignan	1015.9	79	-	0	b	1017.9	+1	75	-2	-	0	*	b	*	-	91	63				
	Sanguinaire	1014.4	78	NW	3	m	1015.8	*	75	*	NW	3	*	m	3	-	91	70				
	Corunna	1020.7	70	W	4	b	1021.8	+2	66	-4	WNW	1	-	o	1	0	73	66				
	Madrid																					
	Lisbon	1018.6	77	WNW	5	b	1020.7	+1	66	-2	NNW	3	-	b	2	-	84	63				
	Azores (Horta)	1023.1	*	WSW	4	b	1022.6	+1	68	*	-	0	*	o	1	2	75	68				
	Madeira	1017.2	80	NE	3	b	1018.3	0	73	+7	NE	3	-	b	3	-	80	72				
	Gibraltar	1016.6	74	NW	5	m	1016.9	*	69	*	W	3	*	m	1	-	89	66				
	Malta		*	*	*	*	1013.1	+1	77	0	NNW	1	-	b	0	-	88	73				
	Limassol		*	*	*	*	1006.7	0	91	+1	-	0	-	b	0	-	101	70				
Alexandria	1009.1	77	NNE	2	b	1008.2	0	79	0	N	2	NW	b	1	-	86	73					
Cairo (Helwan)	1007.5	91	N	3	b	1007.8	+1	77	0	N	1	-	b	*	-	101	72					
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 22nd	24 HOURS ENDED 9 h. 23rd					SOUTH KENSINGTON.												
		15 h.	9 h.		TEMPERATURE.			Rain- fall.	WEATHER.			Vertical Component of Solar Radiation per square Centimetre during 22nd										
22nd	23rd	Max.	Min.	Min. on Grass.	Morn- ing.	After- noon.	Night.		Total.	Average Rate.	Max. Rate.											
GREENWICH (Royal Observatory)		49	42	12.0	79	52	41	-	b	b.c	b	Joules.			Milliwatts.							
CITY (Bunhill Row)		*	*		*	*	*	*	*	*	*	1920			33.7							
WESTMINSTER (St. James's Park)		49	50	11.6	77	53	-	-	b	b	b	The thermometers at Greenwich and Camden Square are in Glaisher screens.										
CAMDEN SQ. (British Rainfall)		-	50	10.3	81	55	53	-	-	-	*											
HAMPSTEAD (Reservoir)		*	51	12.8	75	64	42	-	bz	b	bz											
S. KENSINGTON (Museum Grounds)		*	51	12.2	73	55	46	-	b.bc	b	b											

\* Information for these columns not usually received.

† Received too late for insertion in Charts.

‡ The barometric change is expressed in half millibars.



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON MONDAY, 23<sup>rd</sup> JULY 1917.

High temperatures were recorded during the day, many maxima being about 80°; Colwyn Bay registering 85°. Some rain fell in Scotland and Ireland, but elsewhere the weather was fair or fine. Slight thunder activity appeared in the N.W. in the afternoon. Fog was prevalent at some West coast stations and also in the Orkneys towards the end of the day. Sunshine records were very good in the South-East of England.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR MONDAY, 23<sup>rd</sup> JULY, UP TO 17 H.

STATIONS.	Sun- shine for 22 <sup>nd</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 23 <sup>rd</sup>	STATIONS.	Sun- shine for 22 <sup>nd</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 23 <sup>rd</sup>
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.						Mm.	Mm.	° F.	° F.			
Scotland.									England, E.								
Oban ...	10.2	-	-	68	54	o	op	2.6	Lowestoft ...		-	-	73	49	bc	bc.c	10.0
Banff ...	14.2	-	9	72	53	bc	ct.c	5.3	Felixstowe ...	14.1	-	-	80	58	bm	bc.m	7.8
Montrose ...	?	-	-	72	58	bc	bc	3.8	Walton-on-Naze ...		-	-	80	58	b.b.g.b	bc.b.g	8.3
St. Andrews ...	*	-	-	72	50	b	c	3.0	Southend-on-Sea ...		-	-	82	57	by. bc	bc.c.g	8.5
Carnoustie ...	*	-	-	72	58	f.p.c	c	4.0									
England, N.E.									England, S.E.								
Harrogate ...	14.4	-	-	76	54	b. bc	bc.c	5.7	Margate ...		-	-	78	58	b.	b. bc	9.2
Skegness ...	10.7	-	-	72	55	bc	bc.o	6.3	Hastings ...	14.3	-	-	72	54	b	b	12.2
									Eastbourne ...	14.0	-	-	74	50	b.	b. bc	11.2
									Seaford ...		-	-	71	50	b	bc	10.2
									Brighton ...		-	-	68	48	b.c	c.o.v	7.4
England, N.W.									Worthing ...	13.7	-	-	72	47	b	γ	10.7
Morecambe ...		-	-	73	54	c.o. cy	bcy. oy	5.2	Littlehampton ...		-	-	68	50			10.5
Southport ...	12.3	-	-	77	54			3.5	Bognor ...		-	-					
									Bournemouth ...	13.6	-	-	71	48	bc	bcy	7.0
Midlands.																	
Leamington Spa ...		-	-	78	57	b. bc	bc.c.o	5.0	Weymouth ...	*	-	-	71	53	bc	cy	6.0
Malvern ...		-	-	74	51	bcy	bc.c	4.0	Torquay ...	10.4	-	-	69	54	bc.c	c.o	4.7
Ross-on-Wye ...	2.1	-	-						Paignton ...		-	-					
									Penzance ...		-	-	66	59	c	bc.c	0.5
Wales.									Newquay ...	9.1	-	-	68	56	cq	c	0.1
Rhyl ...	13.5	-	-	76	55	bc.c	cy	2.0	Bude ...		-	-					
Colwyn Bay ...	*	-	-	85	55	c	c	5.8	Ilfracombe ...		-	-	72	58	oy	bcy	0.2
Llandudno ...	*	-	-	75	55	c	c	3.3	Weston-s-Mare ...		-	-	73	54	b. bc.c	c	2.7
Aberystwyth ...	*	-	-	73	56	o.c	c.b.o	2.5									

REPORTS FROM FOREIGN STATIONS FOR MONDAY, 23<sup>rd</sup> JULY.

STATIONS.	EVENING OF 22 <sup>nd</sup>					MORNING OF 23 <sup>rd</sup>					MORNING OF 23 <sup>rd</sup>				
	Barom. M.S.L.	Temp. ° F.	Wind. Direc.	Force 0-12.	Weather.	Barom. M.S.L.	Temp. ° F.	Wind. Direc.	Force 0-12.	Weather.	Barom. M.S.L.	Temp. ° F.	Wind. Direc.	Force 0-12.	Weather.
RUSSIA 7 am. and 9 p.m. Local Time.															
Archangel ...	1009.7	50	7	3	bc	1008.4	-1	50	+2	NW	3	bc	-		
Gorki ...	1004.6	61	W	1	c	1003.5	?	57	-4	W	2	o	-		
Velikie Luki ...	1002.7	61	-	0	r	1000.4	*	63	0	-	0	o	Trace		
Hangö ...	1008.2	64	SSE	2	o	1007.9	0	59	-4	-	0	r	2		
Riga ...	1004.4	63	NNE	3	r	1006.7	+2	57	-7	NNE	2	o	21		
Petrograd ...	1007.1	57	NE	3	o	1004.8	-2	57	-7	NE	3	o	-		
Moscow ...	1001.9	68	W	3	o	999.5	0	64	-2	WNW	3	o	-		
Kiev ...	1009.9	61	WNW	2	bc	1008.7	?	57	-2	W	3	o	7		
Kharkov ...	1009.3	64	WNW	1	o	1008.4		61	-2	WNW	1	bc	-		
Kishinev ...															
Elisabetgrad ...															
Nicolaiev ...															
Odessa ...															
Tarkhankout ...															
Soukhoun ...															
MEDITERRANEAN.															
Venice ...	1015.4	79	-	0	b	1013.2	*	73	+1	ENE	2	b	-	82	66
Pesaro ...	1016.1	67	-	0	b	1017.5	*	73	-4	-	0	b	-	82	64
Rome ...	1014.6	77	SW	1	b	1015.1	*	75	-2	N	1	b	-	88	70
Viesti ...	1013.7	79	NW	1	b	1014.6	*	79	-2	NW	3	bc	-	82	75
Brindisi ...	1013.7	77	NW	1	b	1012.6	*	77	+5	NW	3	b	-	81	75
Cagliari ...	1013.8	82	NW	5	b	1014.5	*	75	-2	NW	4	b	-	86	63
Palermo ...						1014.3	*	84	+2	-	0	b	-	90	63
Tripoli ...						1016.5	*	76	-5	NW	1	b	2		68
Algiers ...	1015.4	75	NE	2	b	1016.6		75	0	E	3	bc	-	82	72
SWEDEN.															
Hernösand ...	1013.6	55	NW	2	r	1014.2	*	54	-1	NNW	2	o	*	*	*
Stockholm ...	1012.3	57	N	4	o	1010.8	*	54	-7	NNW	4	o	*	*	*
Wisby ...	1011.0	63	NNE	6	o	1011.9	*	57	-6	NNW	6	b	*	*	*

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

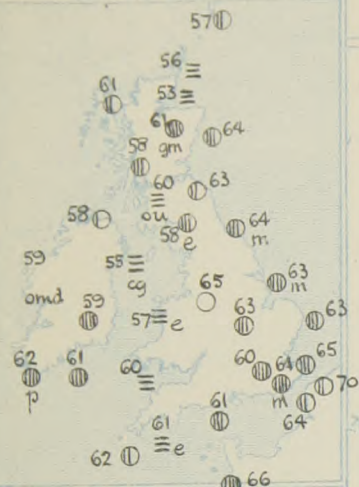
24 <sup>th</sup> AND 25 <sup>th</sup> JULY 1917.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	4.2	11.59	7.56
Greenwich ...	...	4.13	12.6	7.59
Wick ...	...	3.47	12.18	8.49
Valencia ...	...	4.52	12.47	8.42

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

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TEMPERATURE, WEATHER AND  
SEA DISTURBANCE.



FORECAST DISTRICTS.



EXPLANATION.

**BAROMETER.**—Isobars are drawn for intervals of five millibars.

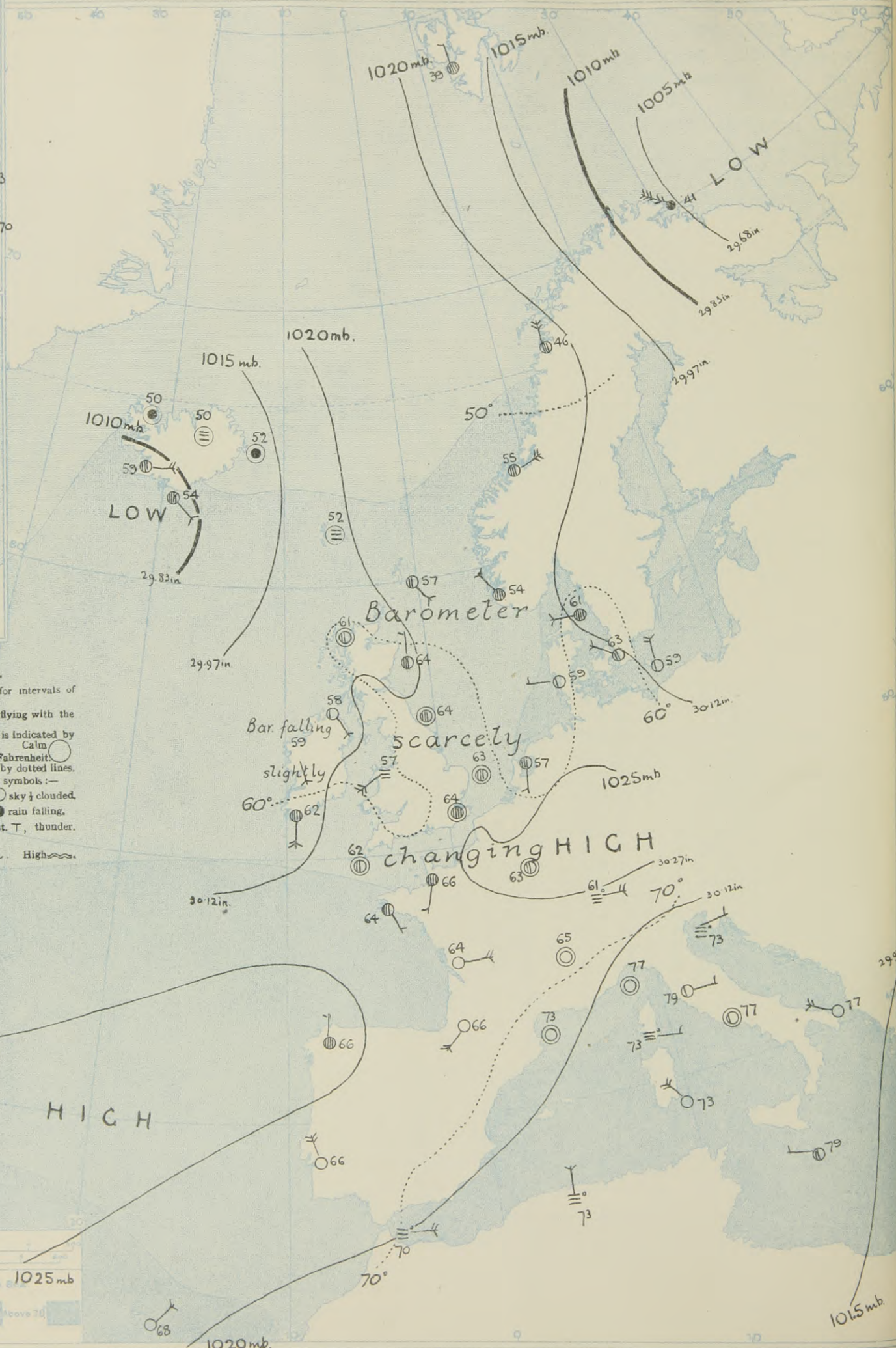
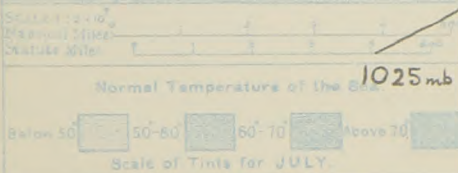
**WIND.**—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm

**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

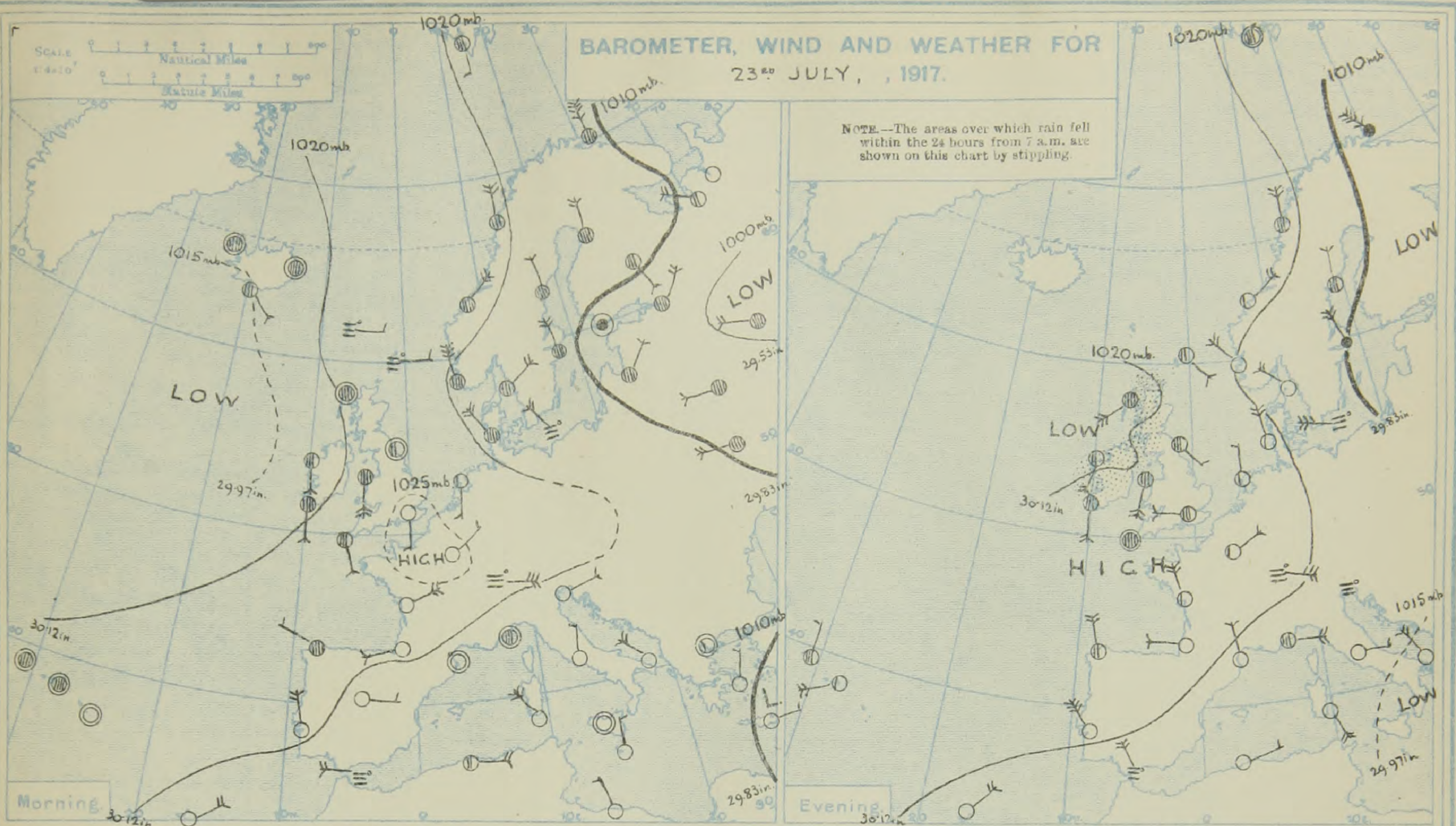
**WEATHER.**—Shown by the following symbols:—  
 clear sky. sky 1/4 clouded. sky 1/2 clouded. overcast sky. rain falling.

\* snow. hail. fog. mist. T, thunder. thunderstorm.

**SEA DISTURBANCE.**—Rough High







### THE PRESENT SITUATION

Practically no modification of the general situation has taken place during the last twenty four hours. The central region of the anti-cyclone covers N.E. France but pressure is also high over the whole of the North Sea and Great Britain, and as a result of the very slight gradient of pressure, the winds are everywhere light or entirely absent. Much cloud prevails, and there is still fog along the western coast of England and in the Orkney.

### THE GENERAL OUTLOOK.

As was expected, the disturbance in the Atlantic affected only our western coasts yesterday, and this morning's map shows that it is probably centered at a considerable distance from these Islands. Although the anticyclone has withdrawn slightly towards the continent it shows no signs of giving way, and quiet anti-cyclonic conditions are likely to continue for the present.





‡ The barometric change is expressed in half-millibars.



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON TUESDAY 21<sup>ST</sup> JULY.

Although the anticyclonic type of pressure distribution continued all through yesterday without the formation of pronounced disturbance, rain fell at many stations, 23mm. at Pembroke and 22mm at Birr Castle. There was not much thunder activity accompanying it. The thermometer rose to nearly 80° in places, which in conjunction with considerable cloud and little or no wind caused a sultry state of atmosphere.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR TUESDAY, 24<sup>TH</sup> JULY UP TO 17 H.

STATIONS.		Sun- shine for 23 <sup>rd</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 <sup>th</sup>	STATIONS.		Sun- shine for 23 <sup>rd</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 <sup>th</sup>
			Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.					Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
			Mm.	Mm.	° F.	° F.			Hr.				Mm.	Mm.	° F.	° F.			Hr.
Scotland.	{ Oban ... ..	2.6	-	-	67	56	c. bc	o	6.0	England, E.	{ Lowestoft ... ..		-	-					
	{ Banff ... ..	5.4	3	-	60	57	o. c	c. oe	0.8		{ Felixstowe ... ..	8.2	-	-	71	59	bc. cm	cm	1.7
	{ Montrose ... ..	3.8	-	-	72	53	bc	bc	7.8		{ Walton-on-Naze ... ..		-	-					
	{ St. Andrews ... ..	3.2	-	-	78	64	bc	c	7.7		{ Southend-on-Sea ... ..	9.0	-	-	79	61	o	o	1.0
	{ Carnoustie ... ..	*	-	-	75	63	bc	bc	9.0										
Eng. N.E.	{ Harrogate ... ..	5.8	Trace	-	72	60	b. bc	c. o	3.3	England, S.E.	{ Margate ... ..	9.7	-	-	76	63	c	c	1.4
	{ Skegness ... ..	6.3	-	-	76	58	o. bc	bc. o	2.4		{ Hastings ... ..	12.2	-	-	73	61	o. bc	bc	2.6
Eng. N.W.	{ Morecambe ... ..	5.5	-	-	70	59			8.2		{ Eastbourne ... ..	11.2	-	-	73	59	cy	bc	3.3
	{ Southport ... ..	4.1	-	-	71	60	c. bc. c. o	c. bc. c. o	3.5		{ Seaford ... ..	10.2	-	-	73	57	c	c	4.2
											{ Brighton ... ..	?	-	-	69	58			?
										{ Worthing ... ..	11.2	-	-	71	58	bc	c	4.7	
										{ Littlehampton ... ..		-	-	69	58	b. c	b. c	3.0	
										{ Bognor ... ..									
										{ Bournemouth ... ..	7.0	-	-	73	56	o	c	4.0	
Midland.	{ Leamington Spa ... ..									England, S.W.	{ Weymouth ... ..	8	*	*	74	57	c. bc	bc. c	6.5
	{ Malvern ... ..										{ Torquay ... ..	4.7	-	-	70	58	o. c	c. bc. c	4.2
	{ Ross-on-Wye ... ..	4.1	-	-	78	57	bcy	bc. c	7.1		{ Paignton ... ..				74	56	bc	c	4.1
Wales.	{ Rhyl ... ..	2.0	1	-	71	59	op	c. bc. c	5.8		{ Penzance ... ..	0.3	-	-	70	61	bc	c. o	5.1
	{ Colwyn Bay ... ..	*	*	*	72	62	b	c	3.7		{ Newquay ... ..	0.1	Trace	-	69	59	bc. o. b	b. o	4.6
	{ Llandudno ... ..	*	*	*	72	60	c	c	3.4	{ Bude ... ..									
	{ Aberystwyth ... ..	*	*	*	70	61	o. c	bc. o	2.0	{ Ilfracombe ... ..	0.2	-	-	67	62	bcy	bcy	5.1	
										{ Weston-s-Mare ... ..	2.7	-	-	77	59	bc. c. b	bc. c	5.0	

REPORTS FROM FOREIGN STATIONS FOR TUESDAY, 24<sup>TH</sup> JULY

STATIONS.		EVENING OF... 23 <sup>RD</sup>					MORNING OF... 24 <sup>TH</sup>										MORNING OF... 24 <sup>TH</sup>							
		BAROM. Milli- bars at M.S.L.	TEMP.  ° F.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain- fall, Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours	Dry Bulb.  ° F.	Change in 24 hours  ° F.	Direc.	Force 0-12.			Max.	Min.			Dry Bulb.  ° F.	Change in 24 hours  ° F.	Direc.	Force 0-12.		
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...						1002.6	?	55	-2	WNW	5	b	5	*	50		1013.5	50	-2	-	0	r	
	Gorki ...						1000.2	*	54	-9	W	3	o	5	*	52		1008.3	59	+4	E	3	c	
	Velieki Luki ...	1001.1	55	W	4	r	1010.9	+1	54	-5	N	3	c	3	*	52		1009.6	54	0	SE	2	o	
	Hangö ...						1008.0	+1	59	+2	NNE	2	c	14	*	54		1014.0	52	+2	-	0	r	
	Riga ...						1004.4	+1	57	0	N	4	o	-	64	54		1019.9	52	-6	-	0	f	
	Petrograd ...	1004.3	59	N	4	o	994.6	-4	61	-3	SSE	2	o	-	*	55								
	Moscow ...	997.5	64	SSW	3	o	1009.9	+2	59	+2	WNW	3	b	3	*	54								
	Kiev ...	1007.9	59	NNW	3	o	1004.6	0	61	0	NW	3	o	-	*	55								
	Kharkov ...	1006.0	63	W	1	b	1014.1	+1	63		NNE	3	b	-	*	55								
	Kishinev ...	1013.0	64	NW	2	b	1010.7	+1	63		WNW	4	b	2	*	57								
MEDITERRANEAN.	Elisabetgrad ...						1012.7	*	63		NW	3	b	2	*	59								
	Nicolaiev ...	1011.0	68	WNW	4	b	1014.6	0	66		NNW	3	b	-	*	59								
	Odesa ...	997.4	?	?	2	?									*									
	Tarkhankout ...	1012.6	73	WSW	4	b									*									
	Soukhoun ...														*									
SWEDEN.	Venice ...	1018.3	75	-	0	m	1019.7	*	73	0	ENE	1	m	-	82	68								
	Pesaro ...						1018.9	*	62	-11	-	0	o	-	82	61								
	Rome ...	1016.1	81	-	0	b	1017.0	*	77	+2	-	0	b	-	90	72								
	Viesti ...	1016.2	77	NW	3	b	1016.9	*	77	-2	NW	3	b	-	82	72								
	Brindisi ...	1013.3	77	NW	3	b	1016.2	*	77	0	NW	3	b	-	97	75								
	Cagliari ...	1015.1	84	SE	4	b	1017.3	*	73	-2	NW	4	b	-	86	61								
	Palermo ...						1016.5	*	77	-7	-	0	b	-	90	63								
	Tripoli ...						1018.3	*	79	+3	WNW	1	be	-	7	?								
	Algiers ...	1017.6	75	NE	1	b	1019.8	+2	73	-2	N	2	m	-	86	72								
		Hernösand ...	1016.0	55	N	2	c	1017.4	*	57	+3	N	2	be	*	*	*							
	Stockholm ...	1010.0	54	NNE	4	r	1015.2	*	57	+3	NNW	2	o	*	*	*								
	Wisby ...	1010.6	57	-	0	o	1015.1	*	57	0	NNE	4	b	*	*	*								

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM				
25 <sup>TH</sup> AND 26 <sup>TH</sup> JULY 1917.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	... {	4.3	11.59	7.54
		4.4	11.59	7.53
Greenwich ...	... {	4.14	12.6	7.58
		4.16	12.6	7.56
Wick ...	... {	3.49	12.18	8.47
		3.51	12.18	8.45
Valencia ...	... {	4.54	12.47	8.41
		4.55	12.47	8.40

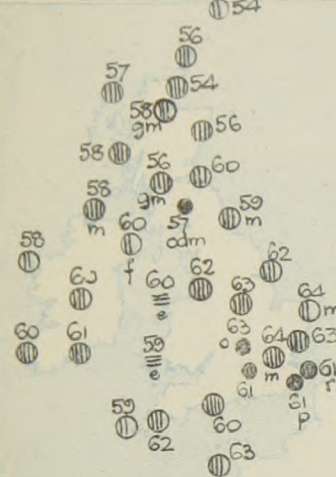
NOTE.—The information relating to weather is indicated by the following letters:—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; i, lightning; m, mist; o, overcast sky; p, passing showers; q, squalls; r, rain;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

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# THE MORNING OF WEDNESDAY, 25<sup>TH</sup> JULY, 1917.

TEMPERATURE, WEATHER AND  
SEA DISTURBANCE

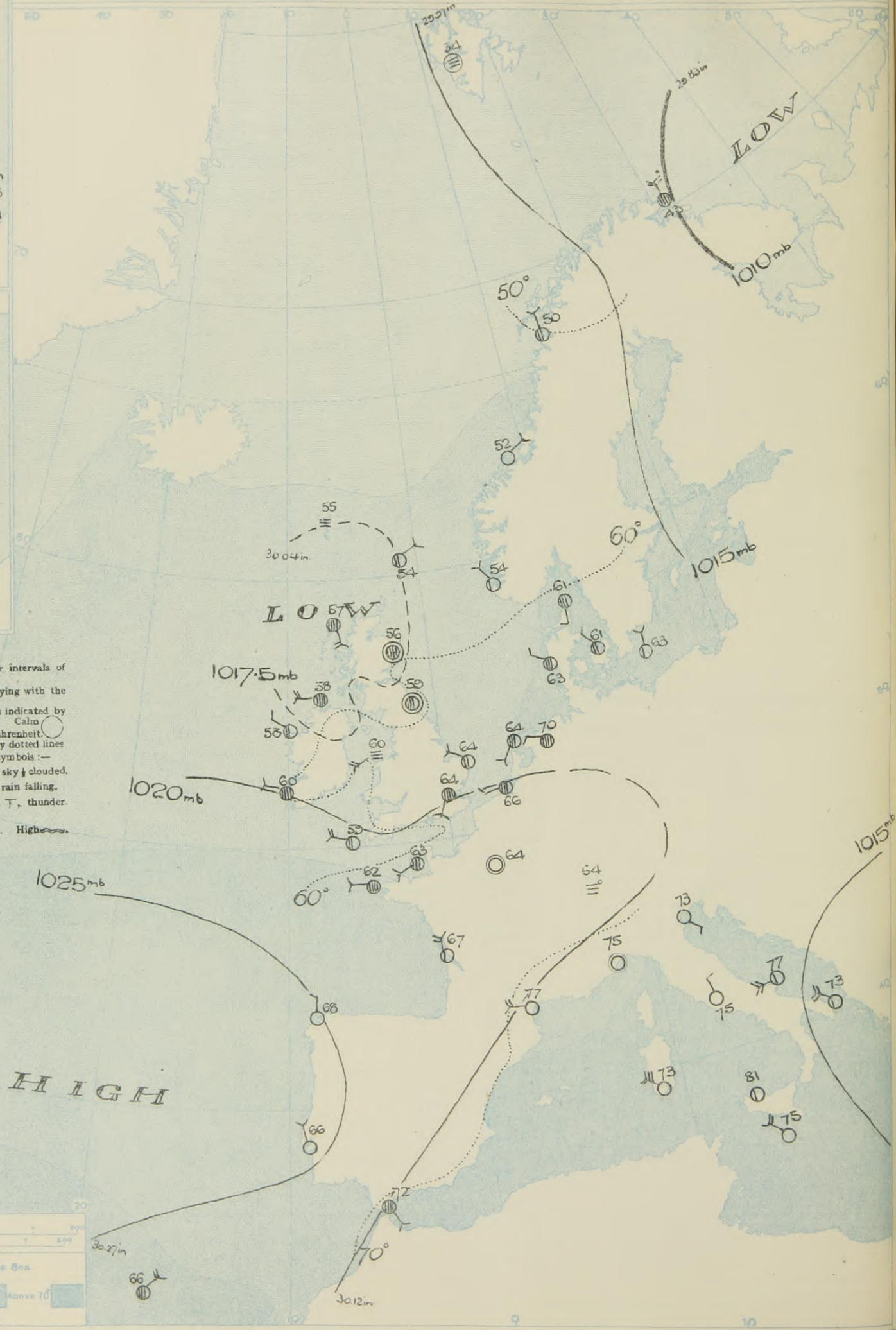
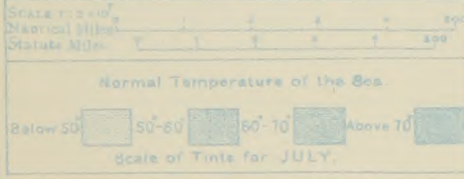


FORECAST DISTRICTS.

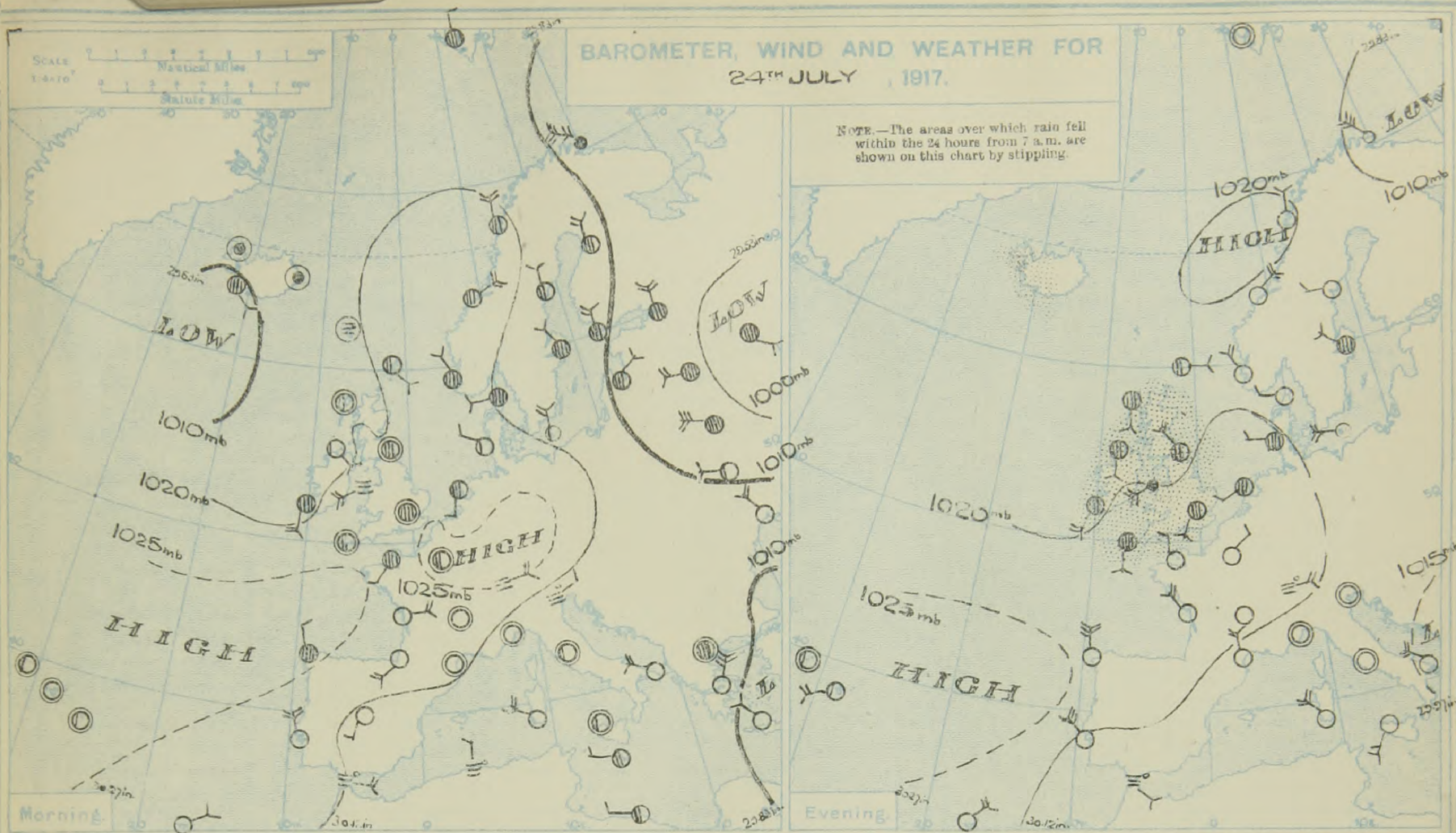


## EXPLANATION.

**BAROMETER.**—Isobars are drawn for intervals of five millibars.  
**WIND.**—Direction is shown by arrows flying with the wind.  
 Force, on the scale 0-12, is indicated by the number of feathers. Calm ○  
**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.  
**WEATHER.**—Shown by the following symbols:—  
 ○ clear sky. ○ sky & clouded. ○ sky & clouded. ○ sky & clouded. ○ overcast sky. ● rain falling. \* snow. ▲ hail. ≡ fog. ≡ mist. T. thunder. T. thunderstorm.  
**SEA DISTURBANCE.**—Rough ~~~~. High ~~~~.





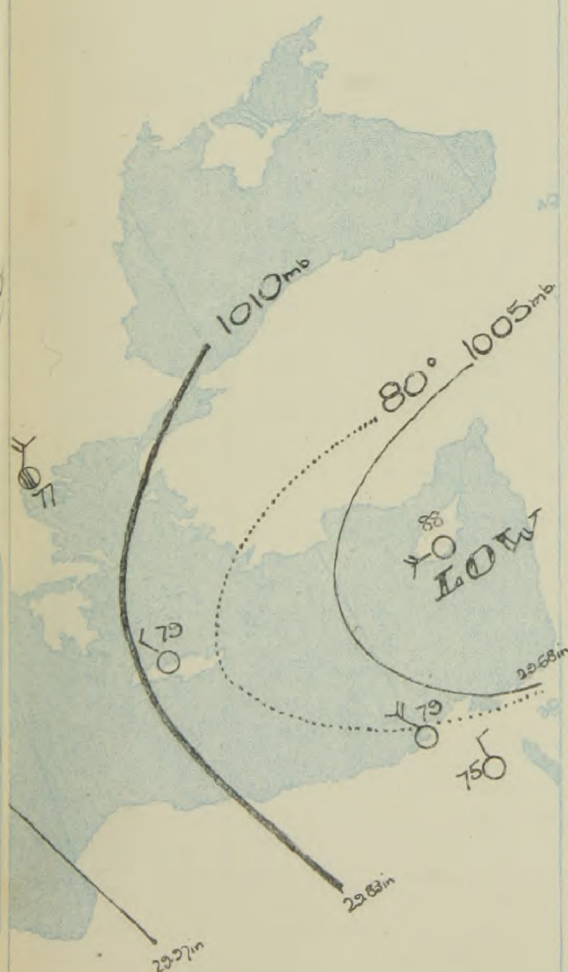


### THE PRESENT CONDITIONS.

The situation has undergone little change since yesterday. A large anticyclone extends from the Azores across Spain and France, and there is still a very shallow depression over the north-west of these islands. Rain is falling at several British Stations and there is a general prevalence of cloud. As a result of the general uniformity of pressure the wind is light at all stations, and fog continues over the Northern part of the North Sea and in the Irish Sea.

### THE GENERAL OUTLOOK.

The barometric changes are slight and indefinite. While the general situation is likely to continue unaltered with a quiet sultry type of weather, thunder disturbances may develop during the next few days over the United Kingdom.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 206 { 25<sup>th</sup> July

STATIONS.	EVENING OF 24 <sup>th</sup>					MORNING OF 25 <sup>th</sup>										24 HOURS ENDED 7 A.M.						Sun- shine for 24 <sup>th</sup> Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	1019.8	57	E	2	bc	1017.5	-1	54	-3	NE	2	-	bc	2	-	60	51	bc	bc	bc	4.6	
	Deerness (Orkney)	1019.3	57	E	2	cf	1017.3	-	56	0	ESE	3	SW	c	1	-	61	52	f.cm	c.bc.c	c	6.1	
	Stornoway	1018.2	63	S	2	c	1015.7	-1	57	-4	SSR	3	-	o	3	0.2	67	57	bc.c	e	adp	5.2	
	Castlebay (Barraisd.)																				1.2		
	Glasgow	1019.1	63	W	2	o	1017.5	0	56	-4	-	0	-	omg	*	1	72	57	om.bc.z	c.o	op.ong	2.5	
	Eskdalemuir	1019.4	62	SW	3	o	1018.9	-1	57	-1	S	1	-	odm	*	1	68	55	o.c.ad.o	o.cd.o	o.adm		
	Malin Head	1016.8	64	S	2	cmg	1016.9	0	58	0	W	3	-	om	2	5	64	57	cr	cmg	adm		
	Blacksod Point	1016.2	61	SW	2	og	1018.2	+1	58	-1	WNW	1	-	bc	1	2	63	56	og	ogp	edmbc		
	Valencia (Cahirciveen)	1018.1	63	SSW	3	c	1020.0	+1	60	-2	WNW	2	-	o	3	2	65	60	op	o.c	opd.o	0.7	
	Roche's Point	1019.5	62	SW	3	C	1019.8	*	61	0	W	1	-	o	2	3	68	59	op.f.b.o	c.om	op.o		
	Birr Castle	1017.8	66	SW	1	c	1018.8	*	60	+1	SW	1	-	C	2	22	67	58	or.c	tlr.c	optcp	0.1	
	Donaghadee	1017.8	60	SSW	3	m	1016.6	+1	60	+5	WSW	2	-	haf	2	2	67	54	cm	cmf	opt		
	Liverpool (Bldston)	1020.2	66	WNW	1	c	1018.3	0	62	-3	S	1	S	o	1	3	72	59	bc	bc.o	op.o	5.0	
	Holyhead	1020.0	60	SW	4	opg	1018.2	+1	60	+3	SW	3	-	fe	2	1	68	56	fe.c.be	c.bc.o	op.fe	4.6	
	Pembroke (St. Ann's)	1022.4	61	SSW	2	o	1019.1	+2	59	-1	NW	2	-	fe	2	23	64	58	f.bc	bc.c.o	fd.cfr	4.0	
	Scilly (St. Mary's)	1021.2	62	S	2	p	1021.2	0	59	-3	WNW	3	W	bc	4	0.2	67	57	bc.c	c.omp	fe.om.c	3.0	
	Falmouth	1021.7	63	SW	2	c	1020.0	0	62	+1	W	3	-	c	5	5	71	60	fm.bc	bc.op.c	cr.c	4.6	
	Jersey (St. Aubin)	1021.3	74	N	1	b	1021.3	*	63	-3	SW	2	SW	c	1	-	78	60	o.bc	c.b	o.c	9.0	
	Portland Bill	1022.2	62	WSW	1	bc	1019.8	-2	60	-1	SW	3	-	o	2	8	68	58	bc	bc	bc.or		
	Dungeness	1022.1	66	SW	2	bc	1020.1	-1	61	-3	SW	2	-	p	1	2	71	59	bc	bc	bc.bep		
	Dover	1022.6	71	SW	1	b	1020.7	0	61	-9	SW	3	W	r	2	0.4	76	60	bzm.b	b	orm	5.3	
Wick	1019.1	65	NE	1	fc	1017.0	0	54	+1	E	1	-	o	2	0.3	57	51	fe.cm	cf.om	ompg			
Nairn	1018.1	60	E	2	cz	1016.3	*	58	-3	-	0	-	cmg	0	1	70	56	cg.bc	bc.c	cdp	6.5		
Aberdeen	1019.0	56	E	1	m	1017.4	0	58	-8	-	0	-	0	1	0.3	69	55	c	c.omp.m	m.feom	3.1		
Leith	1017.8	69	W	1	c	1016.7	0	60	-3	NW	1	NW	c	1	Trace	75	58	bc.c.b	b	c.or.o			
Tynemouth	1018.7	71	NW	2	bc	1018.3	?	59	-5	-	0	W	cm	2	7	72	58	cm	bcm	omr			
Spurn Head	1020.5	69	SW	1	om	1019.2	0	62	-1	N	1	-	c	2	Trace	80	60	bcm	bc.om	op	4.0		
Yarmouth (Gorleston)	1020.2	70	SSW	3	bc	1018.9	-1	64	+1	WNW	2	-	bcm	1	-	76	61	c.bc	bcm	bcm	3.2		
Clacton-on-Sea	1021.6	69	SE	2	c	1019.5	0	63	-2	SW	1	-	o	1	1	71	61	c.o.z	o.c.z	cz.opd	1.2		
Nottingham	1020.0	73	SW	1	o	1018.9	*	63	0	SW	1	-	om	*	Trace	74	62	c	c.o	op	0.0		
Benson (Oxon.)	1020.7	72	S	2	c	1019.2	0	60	0	S	1	-	or	*	0.2	74	56	o.c.o	c	o.or			
Sth Farnborough	1020.8	73	SW	2	o	1019.5	0	61	-3	WSW	1	-	or	*	1	78	59	op.o	op.c.o	or	2.5		
London (Kew Obsy.)	1021.3	75	SSW	2	ep	1019.8	+1	64	0	SSW	2	-	om	*	Trace	77	61	om.o	o.c.cp	cp.s.om	0.8		
NORTHERN EUROPE.	Spitsbergen	1016.4	41	-	0	b	1014.0	-2	34	-5	-	0	*	f	*	*	41	30					
	Vardö	1008.4	41	NW	5	r	1010.4	0	43	+2	N	4	-	o	5	*	41	39					
	Bodö	1021.3	48	N	2	b	1019.8	-1	50	+4	N	2	-	bc	2	0.1	50	45					
	Christiansund	1019.8	34	NE	4	b	1017.7	-2	52	-3	NE	3	-	b	3	-	73	52					
	Skudesnaes	1018.0	55	NW	3	b	1015.7	-1	54	0	NW	2	-	b	1	-	57	46					
	Færder (X'ania Fjord)	1015.9	66	WSW	2	b	1015.9	0	59	+2	NNE	2	-	o	1	-	66	57					
	The Scaw (Skagen)	1017.0	63	W	1	b	1015.9	0	61	0	S	1	S	c	1	-	66	54					
	Blaavands Huk	1020.3	61	W	1	o	1018.0	?	63	+4	S	1	-	c	*	-	64	57					
	Copenhagen	1018.1	66	NW	2	b	1017.1	0	61	-2	NW	1	-	bc	*	-	70	55					
	Bornholm	1017.5	63	W	4	c	1016.4	0	63	+4	N	2	-	b	0	2	64	57					
FRANCE, &c.	The Helder	1021.9	64	SW	1	c	1018.6	-2	64	+7	SW	2	-	c	0	-	66	59					
	C. Gris Nez	1022.6	67	SW	1	o	1020.6	0	60	-3	SW	1	*	r	0	3	75	59					
	La Hève	1022.1	75	-	0	c	1021.0	*	64	+1	SSW	1	*	c	1	-	81	59					
	Brest (St. Mathieu)	1024.0	68	NNW	2	b	1023.0	0	62	-2	W	2	*	o	1	-	81	61					
	Rochefort (Ile d'Atx)	1022.3	71	NW	3	b	1022.6	+1	67	+3	NNW	3	*	b	*	-	86	63					
	Biarritz																						
	Paris	1022.0	73	ENE	2	b	1021.0	0	64	+1	-	0	-	b	*	-	81	55				1.22	
	Belfort	1021.9	72	E	3	m	1022.6	*	64	+3	-	0	*	m	*	-	79	55				1.26	
	Lyons																					1.30	
	Nice	1017.3	76	-	0	b	1017.1	+2	75	-2	-	0	*	b	0	-	88	66				1.34	
SOUTHERN STATIONS.	Perpignan	1018.4	86	N	3	b	1020.4	+1	77	+4	W	3	-	b	*	-	93	64				1.38	
	Sanguinaire																						
	Corunna	1024.8	70	N	5	b	1025.0	+1	68	+2	N	1	NE	b	1	-	70	64				1.42	
	Madrid																					1.46	
	Lisbon	1019.8	75	NW	5	b	1025.9	0	66	0	NNW	2	-	b	5	-	82	64				1.50	
	Azores (Horta)	1028.0	*	WSW	3	b	1028.6	+1	68	+2	W	2	*	b	1	-	79	66				1.54	
	Madeira	1022.4	77	NE	3	b	1023.5	0	66	-2	NE	3	-	c	3	-	81	66				1.61	
	Gibraltar	1019.6	74	SE	2	m	1019.6	*	72	+2	SE	2	*	o	2	-	84	68				1.65	
	Malta		*	*	*	*		1015.1	+1	75	-4	NW	3	*	bc	1	-	81	73				1.69
	Limassol		*	*	*	*		1002.9	0	88	-3	W	3	-	b	0	-	97	68				1.73
Alexandria	1006.3	79	N	2	bc	1006.6	0	79	0	NNW	3	-	b	2	-	86	75				1.77		
Cairo (Helwan)	1005.2	91	N	2	b	1006.6	+1	75	+2	N	1	-	b	*	-	101	72						
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 24 <sup>th</sup> Hours.	24 HOURS ENDED 9 h. 25 <sup>th</sup>				SOUTH KENSINGTON.														
		25 h.	9 h.		TEMPERATURE.			Rain- fall. mm.	WEATHER.														
		%	%	°F.	°F.	°F.	Morn- ing.		After- noon.	Night.	Vertical Component of Solar Radiation per square Centimetre during 24 <sup>th</sup>												
GREENWICH (Royal Observatory)		48	82	1.9	82	59	55	-	o.op	op	op	Total.	Average Rate.	Max. Rate.									
CITY (Bunhill Row)		*	*	1.5	*	*	*	*	*	*	*	Joules.	Milliwatts.	Milliwatts.									
WESTMINSTER (St. James's Park)		53	80	1.2	79	62	59	-	op.bcp	o	o.c.o	1160	20.4	76.5									
CAMDEN SQ. (British Rainfall)		55	77	1.5	81	62	60	-	c	c	*	The thermometers at Greenwich and Camden Square are in Glaisher screens.											
HAMPSTEAD (Reservoir)		*	83	2.3	78	58	49	-	exp	c	c												
S. KENSINGTON (Museum Grounds)		*	83	1.0	77	63	57	-	o	o.c	c.o.c												

## RAINFALL. Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
19	0.75	44	1.73
20	0.79	45	1.77
21	0.83	46	1.81
22	0.87	47	1.85
23	0.91	48	1.89
24	0.95	49	1.93



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON WEDNESDAY, 25<sup>TH</sup> JULY 1917.

The maximum temperature was again well over 70° in the South-East of England, but the amount of bright sunshine was as a rule small in all parts of the country. There was little rain except in Ireland. Clacton reported thunder in the afternoon and evening.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR WEDNESDAY, 25<sup>TH</sup> JULY UP TO 17 H.

STATIONS.	Sun- shine for 24 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 25 <sup>TH</sup>	STATIONS.	Sun- shine for 24 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 25 <sup>TH</sup>
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.						Mm.	Mm.	° F.	° F.			
Scotland.									England.								
Oban ... ..	6.3	1	-	61	56	o	c. o	7.7	Lowestoft ... ..		-	-	74	60	c	c. op. t. c	4.4
Banff ... ..	0.8	-	1	68	56	o. bc	b. c. or	4.5	Felixstowe ... ..	2.3	1	13	75	62	bc	c. brh. c	3.3
Montrose ... ..	7.8	Trace	-	67	53	b	b	6.1	Walton-on-Naze ... ..		-	-					
St. Andrews ... ..	7.7	-	-	74	55	bc	c	4.6	Southend-on-Sea ... ..	1.2	-	-	78	61	o. c	o. c. bc. b	2.0
Garnoustie ... ..	*	*	*	66	55	bc	bc	7.5									
Eng. N.E.									England, S.E.								
Harrogate ... ..	3.5	-	-	76	57	c. bc	b	8.5	Margate ... ..	1.4	Trace	-	75	62	c	c	1.9
Skegness ... ..	2.4	2	-	70	59	bc. o	bc	6.6	Hastings ... ..	3.5	4	1	66	59	or	o. bc	1.9
									Eastbourne ... ..	3.4	7	1	68	59	m	m	2.4
									Seaford ... ..	4.3	*	*	67	59	or	m	1.6
Eng. N.W.									Brighton ... ..		9	1	67	60	o. r. c	c. o	1.3
Morecambe ... ..	8.2	4	Trace	65	59	c. o. c. bc	bc. b	3.0	Worthing ... ..	4.7	8	Trace	67	60	r. c	o	0.6
Southport ... ..	3.5	1	-	67	57	c. o. c. bc	bc. b	5.0	Littlehampton ... ..	*	*	*	66	60			0.5
									Bognor ... ..								
									Bournemouth ... ..	4.0	8	-	72	60	r. o	c	3.2
Midlands.																	
Leamington Spa ... ..									Weymouth ... ..	*	*	*	73	59	o. r. bc	bc. b	4.3
Malvern ... ..									Torquay ... ..	4.2	11	Trace	73	61	o. c. bc. p	bc	5.4
Ross-on-Wye ... ..	7.4	1	-	76	55	c. bc	bc. b	6.7	Paignton ... ..								
									Penzance ... ..	5.1	1	-	69	62	bc	bc. c	9.8
Wales.									Newquay ... ..	4.7	4	1	67	59	r. o. b	c. b. o	3.9
Rhyl ... ..	5.8	2	20	68	57	cr. bc	c. bc	5.0	Bude ... ..								
Colwyn Bay ... ..	*	-	-	68	61	bc	bc	2.0	Ilfracombe ... ..	5.1	4	Trace	62	60	d. o	d. bc	0.5
Llandudno ... ..	*	*	*	69	59	c	c. o	3.5	Weston-s-Mare ... ..	5.0	Trace	-	69	59	c. bc. b	b. bc. c	6.0
Aberystwyth ... ..	*	*	*	68	61	r. o. c	bc. o	5.5									

REPORTS FROM FOREIGN STATIONS FOR WEDNESDAY, 25<sup>TH</sup> JULY.

STATIONS.	EVENING OF 24 <sup>TH</sup>					MORNING OF 25 <sup>TH</sup>					MORNING OF 25 <sup>TH</sup>				
	Barom.	Temp.	Wind.	Force	Weather.	Barom.	Temp.	Wind.	Force	Weather.	Barom.	Temp.	Wind.	Force	Weather.
	Milli- bars at M.S.L.	° F.	Dir.	0-12.		Milli- bars at M.S.L.	° F.	Dir.	0-12.		Milli- bars at M.S.L.	° F.	Dir.	0-12.	
RUSSIA 7 a.m. and 9 p.m. Local Time.															
Archangel ... ..	1006.0	48	SW	4	r	1002.6	52	WNW	3	o	1009.3	57	+	0	bc
Gorki ... ..						1003.4	54	WNW	3	o	1005.0	57	-	2	o
Veliki Luki ... ..											1007.7	52	-	SE	1
Hangö ... ..	1012.0	57	NNW	4	b	1011.5	61	NNE	3	o	1010.7	54	+	0	c
Riga ... ..	1011.4	59	NNW	3	o	1007.2	52	NNW	4	o	1017.5	55	+	0	f
Petrograd ... ..	1006.0	59	N	3	b	1007.2	52	NNW	4	o					
Moscow ... ..	993.1	61	WNW	2	r	990.7	55	NW	2	r					
Kiev ... ..	1009.1	57	?	3	b	1008.0	55	WNW	3	c					
Kharkov ... ..	1004.0	73	W	3	b	?	55	WNW	4	c					
Kishinev ... ..															
Elisabetgrad ... ..															
Nicolaiev ... ..															
Odessa ... ..															
Tarkhankout ... ..															
Soukhom ... ..															
MEDITERRANEAN.															
Venice ... ..	1017.1	77	-	0	b	1018.5	73	-	0	b	1019.3	77	-	0	b
Pesaro ... ..	1019.4	70	-	0	b	1018.6	70	+	0	b	1005.0	57	-	2	o
Rome ... ..	1015.8	79	-	0	b	1016.5	75	-	0	b	1007.7	52	-	SE	1
Viesti ... ..	1016.6	75	NW	4	b	1017.1	77	0	W	4	1010.7	54	+	0	c
Brindisi ... ..	1016.9	75	NW	4	b	1017.1	77	0	NW	4	1017.5	55	+	0	f
Cagliari ... ..	1017.1	82	NW	4	bc	1017.1	77	0	NW	5					
Palermo ... ..	1015.8	77	SSW	2	b	1016.9	81	+	0	b					
Tripoli ... ..						1018.7	79	0	-	0					
Algiers ... ..	1019.5	75	NE	3	bc	1018.6	77	+	2	b					
SWEDEN.															
Hernösand ... ..	1015.0	59	W	2	b	1015.4	57	0	NW	2					
Stockholm ... ..	1016.2	57	NW	2	o	1016.2	57	0	N	2					
Wisby ... ..	1016.2	55	NW	4	b	1016.2	57	0	NW	2					

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

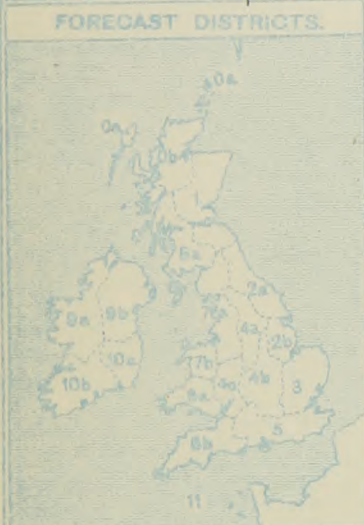
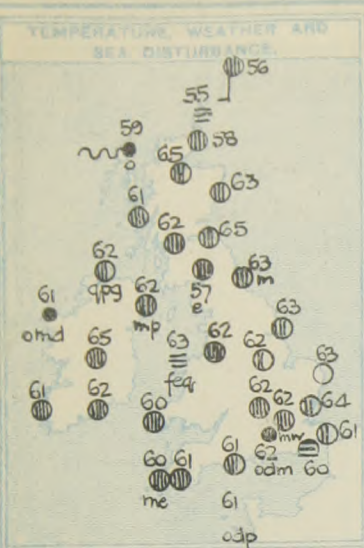
25 <sup>TH</sup> AND 26 <sup>TH</sup> JULY 1917.			Sunrise.	Noon.	Sunset.
			G.M.T.	G.M.T.	G.M.T.
Yarmouth ... ..	...	...	4.3	11.59	7.54
Greenwich ... ..	...	...	4.4	11.59	7.53
Wick ... ..	...	...	4.16	12.6	7.58
Valencia ... ..	...	...	4.54	12.47	8.41

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

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# THE MORNING OF THURSDAY, 26<sup>TH</sup> JULY, 1917.



**EXPLANATION.**

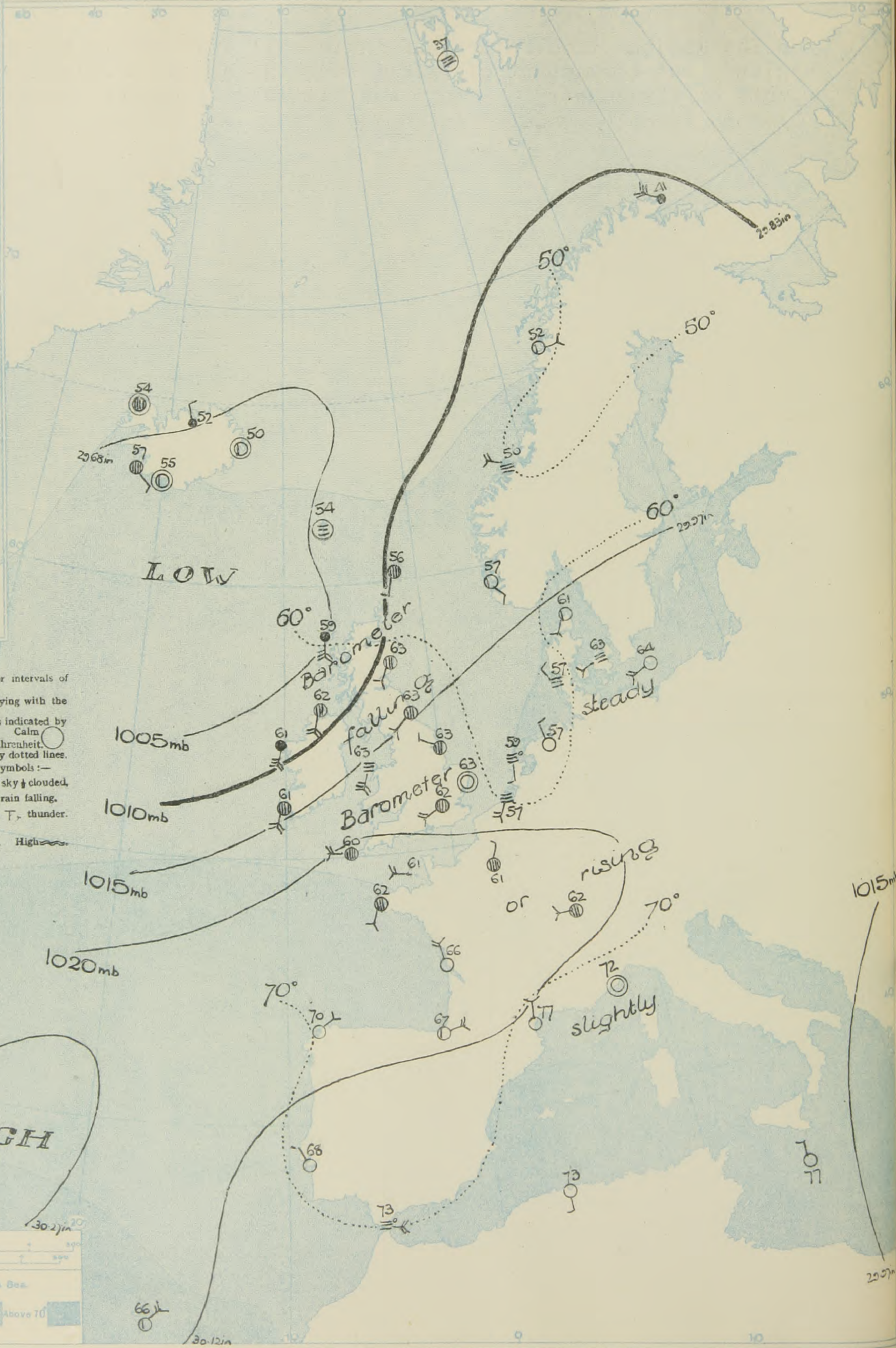
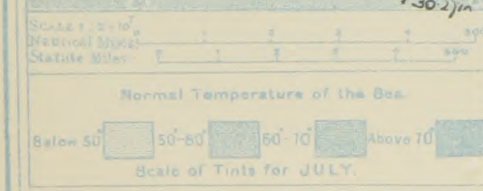
**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**WIND.**—Direction is shown by arrows flying with the wind.  
Force, on the scale 0-12, is indicated by the number of feathers. Calm

**TEMPERATURE.**—Given in degrees Fahrenheit.  
Isotherms shown by dotted lines.

**WEATHER.**—Shown by the following symbols:—  
 clear sky. sky  $\frac{1}{2}$  clouded. sky  $\frac{3}{4}$  clouded. overcast sky. rain falling.  
 snow. hail. fog. mist. thunder.  
 thunderstorm.

**SEA DISTURBANCE.**—Rough High









STATIONS.	EVENING OF 25 <sup>th</sup>					MORNING OF 26 <sup>th</sup>										24 HOURS ENDED 7 A.M.					Sun- shine for 25 <sup>th</sup> Hours.	
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1015.7	57	S	1	bc	1015.4	-1	56	+2	S	1	—	0	1	2	62	53	bc	bc	omp	*
	Deerness (Orkney)	1015.2	55	S	3	f	1009.4	*	55	-1	ESE	3	—	f	1	—	60	53	c.bc	bc ef	f	4.3
	Stornoway	1014.7	60	WSW	1	o	1004.9	-5	59	+2	S	6	—	or	5	14	67	56	o	c.o	o.or	0.2
	Castlebay (Barraisd.)	1016.5	65	W	1	c	1011.9	-3	62	+6	S	2	—	omg	*	0.3	68	58	omg.o	ozu.bc	c.op.om	1.6
	Glasgow	1016.6	66	SW	3	c	1014.4	-3	57	0	SSW	6	—	oe	*	1	70	56	odmu	om.oup	om.ome	2.2
	Malin Head	1016.5	59	E	2	omd	1008.1	-2	62	+4	SSW	4	SW	egap	4	1	64	53	bc	bc	egap	4.4
	Blacksod Point	1014.3	60	S	4	omr	1008.0	0	61	+3	SSW	5	—	omd	4	3	65	58	bc	omp	omd	*
	Valencia (Cahirciveen)	1015.0	61	S	3	od	1014.2	-1	61	+1	SSW	4	—	o	4	3	66	60	c.c	c.od	odrp	1.8
	Roche's Point	1019.6	64	WSW	2	o	1016.6	*	62	+1	SW	3	—	o	3	1	69	60	o	c.e.b.c	opom	*
	Birr Castle	1016.7	72	SW	1	o	1013.2	*	65	+5	S	2	—	o	*	0.2	73	60	c.o	c.o	op.o	0.0
	Donaghadee	1016.3	61	NW	1	bem	1011.4	-2	62	+2	SW	3	—	omp	2	1	67	57	cm	bem	omp	*
	Liverpool (Blidston)	1016.0	64	W	2	b	1016.4	-1	62	0	SSE	2	S	o	1	—	69	59	c.b	b	bcd	8.9
	Holyhead	1018.0	64	WSW	3	b	1015.5	-1	59	-1	SSW	5	—	feap	4	Trace	67	56	fe.b.c	b	epfe	8.0
	Pembroke (St. Ann's)	1020.1	62	WSW	2	bc	1018.9	-2	60	+1	SW	2	—	o	2	1	63	58	f	f.b.c	cf.o	5.0
	Scilly (St. Mary's)	1021.9	60	WNW	2	c	1021.1	0	60	+1	W	3	W	ome	4	—	67	59	bc	bc.cp	cv.cme	*
	Falmouth	1021.0	65	WNW	2	c	1020.7	0	61	+1	SW	4	—	o	*	—	70	59	c.b.c	c.b.c	c.o	4.5
	Jersey (St. Aubin)	1021.1	65	W	3	c	1021.9	*	61	-2	W	3	—	op	2	0.4	68	57	dfc.c.o	c.b.c	c.odp	2.8
	Portland Bill	1019.4	63	WSW	3	bc	1020.1	+1	61	+1	W	3	W	c	2	—	64	59	o.c.b	bc	bc.c	*
	Dungeness	1018.8	61	SW	3	o	1019.1	+1	60	-1	WSW	2	—	f	0	3	64	57	cp	p.o	r.c.bcf	*
	Dover	1022.7	63	WSW	4	bc	1019.5	+1	61	0	SW	1	SW	bc	2	Trace	68	56	op.c	ep.c.bc	bem	4.5
	Wick	1015.0	55	S	2	fe	1008.2	-5	58	+4	S	2	—	o	3	1	58	53	fe.om	om.fe	fe.p.om	*
	Nairn	1014.5	61	—	0	egz	1007.6	*	65	+7	SSW	2	—	c	1	—	67	56	c.b.c	eg.o	og.e	3.7
	Aberdeen	1015.4	58	ESE	2	o	1011.4	-2	63	+7	SSW	2	—	c	1	—	65	56	om.bem	bem.om	om.c	4.1
	Leith	1015.3	69	NW	1	bc	1011.5	-1	65	+5	SSW	1	—	o	2	0.1	71	60	c.b.c.b	b	bc.p.o	*
	Tynemouth	1016.5	66	—	0	bem	1014.9	*	63	+4	SW	2	W	cm	3	1	67	59	bem	omp	cm	*
	Spurn Head	1017.7	63	ESE	3	cm	1017.7	0	63	+1	WNW	1	—	c	2	—	66	60	bc	bem	om	4.7
Yarmouth (Gorleston)	1017.0	67	—	0	b	1017.3	+1	63	1	—	0	—	b	0	1	75	60	bem	bc.p	bc.b	4.9	
Clacton-on-Sea	1017.5	68	ESE	1	c	1018.2	+1	64	+1	WNW	2	—	bc	1	0.3	73	60	c.e.b.c	bc.cfp	cul.cp	5.0	
Nottingham	1017.4	69	WNW	1	c	1017.8	*	62	-1	SW	2	SW	bc	*	0.3	78	57	o.ct	cp	p.o	2.8	
Benson (Oxon.)	1017.7	70	SSW	1	bc	1018.8	+1	62	+2	W	2	—	o	*	0.4	74	57	c	bc	bc.o	*	
St. Farnborough	1017.6	72	SSW	2	bc	1019.1	+1	62	+1	WSW	2	—	odm	*	0.1	73	56	r.op.o	o.b.c	b.b.c.m	4.5	
London (Kew Obsy.)	1018.0	74	SSW	2	b	1019.5	+2	62	-2	SW	2	—	omw	*	Trace	76	60	om.o	c.c.b.c	b.b.c.m	6.8	
NORTHERN EUROPE.	Spitsbergen	1010.9	56	N	1	o	1009.0	-2	37	+3	—	0	*	f	*	*	37	32	*	*	*	*
	Vardö	1011.5	41	NW	5	o	1011.7	0	41	-2	NW	5	—	r	3	*	43	39	*	*	*	*
	Bodö	1017.2	50	N	2	b	1014.0	-1	62	+2	E	2	—	b	2	—	50	45	*	*	*	*
	Christiansund	1014.9	54	NE	3	b	1013.1	c	50	-2	WNW	3	—	f	3	—	59	48	*	*	*	*
	Skudesnaes	1015.4	55	NW	2	b	1014.1	-1	57	+3	SE	1	—	b	1	—	57	46	*	*	*	*
	Færder (Xiania Fjord)	1015.9	63	SSW	2	c	1015.9	0	63	+4	S	2	—	o	1	—	66	59	*	*	*	*
	The Scaw (Skagen)	1016.0	63	W	2	b	1015.1	0	61	0	SSW	2	—	o	2	—	68	55	*	*	*	*
	Blaavands Huk	1016.7	63	W	1	o	1017.2	?	57	-6	NW	1	—	f	*	—	68	54	*	*	*	*
	Copenhagen	1016.3	66	SW	3	bc	1016.7	+1	63	+2	WSW	2	—	f	*	—	68	61	*	*	*	*
	Bornholm	1017.0	61	SSW	1	m	1017.2	0	64	+1	WSW	3	—	b	1	—	64	57	*	*	*	*
FRANCE, &c.	The Helder	1017.6	66	W	2	b	1018.0	+1	59	-5	S	1	—	m	0	Trace	68	54	*	*	*	*
	C. Gris Nez	1019.3	64	SSW	4	b	1019.4	+1	60	0	SSW	3	*	f	2	8	64	57	*	*	*	*
	La Hève	1020.8	63	NNW	3	o	1021.1	*	59	-5	WNW	4	*	o	4	—	81	65	*	*	*	*
	Brest (St. Mathieu)	1023.4	68	W	1	c	1023.1	0	62	0	SSW	2	*	c	1	—	72	61	*	*	*	*
	Roche fort (Ile d'Aix)	1024.3	70	NW	4	b	1022.0	+1	66	-1	NNW	3	*	b	*	—	75	64	*	*	*	*
	Biarritz	1022.0	72	N	2	bc	1022.0	0	67	—	ENE	3	*	b	1	—	79	63	*	*	*	*
	Paris	1018.6	75	N	2	bc	1021.2	+2	61	-3	NNE	1	—	o	*	Trace	82	57	*	*	*	*
	Belfort	1018.3	74	W	3	m	1021.1	*	62	-2	W	2	*	c	*	7	82	57	*	*	*	*
	Lyons	1015.9	75	—	0	bc	1015.8	0	72	-3	—	0	*	b	1	—	88	61	*	*	*	*
	Nice	1017.9	83	NW	2	o	1019.8	+3	77	0	N	2	—	b	*	—	93	68	*	*	*	*
SOUTHERN STATIONS.	Corunna	1023.8	70	N	6	b	1020.4	-1	70	+2	NE	2	—	b	1	—	72	64	*	*	*	*
	Madrid	1017.6	75	NW	5	b	1016.4	+1	68	+2	NW	1	—	b	5	—	81	66	*	*	*	*
	Lisbon	1017.6	75	NW	5	b	1016.4	+1	68	+2	NW	1	—	b	5	—	81	66	*	*	*	*
	Azores (Horta)	1028.0	*	WSW	4	bc	1026.5	-1	68	0	WSW	2	*	b	1	—	79	66	*	*	*	*
	Madeira	1022.1	73	NE	3	o	1020.7	0	66	0	NE	3	—	b	3	—	73	66	*	*	*	*
	Gibraltar	1017.3	74	E	2	m	1016.9	*	73	+1	E	4	*	m	3	—	84	70	*	*	*	*
	Malta	*	*	*	*	*	1015.5	+1	77	+2	N	1	—	b	0	—	82	73	*	*	*	*
	Limassol	*	*	*	*	*	1000.7	0	84	-4	W	3	—	b	0	—	97	63	*	*	*	*
	Alexandria	1003.7	77	NNW	3	b	1006.1	0	79	0	NW	4	—	b	3	—	86	75	*	*	*	*
	Cairo (Helwan)	1005.1	86	NNW	3	b	1006.0	+1	76	0	NW	3	—	b	*	—	99	70	*	*	*	*
	LONDON OBSERVATIONS.	Humidity.		Sun- shine for 25 <sup>th</sup>	24 HOURS ENDED 9 h. 26 <sup>th</sup>					SOUTH KENSINGTON.												
		15 h.	9 h.		TEMPERATURE.		Rain- fall.	WEATHER.		Vertical Component of Solar Radiation per square Centimetre during 25 <sup>th</sup>												
		25 <sup>th</sup>	26 <sup>th</sup>	Max.	Min.	Min. on Grass.	mm.	Morn- ing.	After- noon.	Night.	Total.	Average Rate.	Max. Rate.									
		GREENWICH (Royal Observatory)	56	92	7.3	81	58	51	—	0	bc	o.om	1760	30.1	77							
		CITY (Bunhill Row)	*	*	*	*	*	*	*	*	*	*	The thermometers at Greenwich and Camden Square are in Glaisher screens.									
WESTMINSTER (St. James's Park)	61	88	4.6	76	59	56	—	bc	bc	oe												
CAMDEN SQ. (British Rainfall)	57	84	7.5	81	59	57	—	o.c	bc	*												
HAMPSTEAD (Reservoir)	*	99	7.5	75	56	48	—	o.c.b	b	om												
S. KENSINGTON (Museum Grounds)	*	85	7.2	77	59	55	—	c.bc	bc.eb	b.o												

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
19	0.75	44	1.73
20	0.79	45	1.77
21	0.83	46	1.81
22	0.87	47	1.85
23	0.91	48	1.89
24	0.95	49	1.93
25	0.98	50	1.97



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON THURSDAY, 26<sup>TH</sup> JULY 1917.

Maximum temperatures were again rather high, and nearly touched 80° in East Anglia. There was a fairly good record of sunshine in the east and south-east, but little in the west and north, where a measurable amount of rain fell. Sea fog diminished in amount, and at night was reported only from Holyhead.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR THURSDAY, 26<sup>TH</sup> JULY UP TO 17 H.

STATIONS.	Sun- shine for 25 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 25 <sup>TH</sup>	STATIONS.	Sun- shine for 25 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 26 <sup>TH</sup>
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.						Mm.	Mm.	° F.	° F.			
Scotland.									England, E.								
{ Oban ... ..	7.7	1	6	62	56	or	c	1.3	{ Lowestoft ... ..	5.9	-	-	79	60	bc	bc.c	8.4
{ Banff ... ..	4.5	-	1	72	58	c.bc.r	bc.b.r.c	4.8	{ Felixstowe ... ..	4.2	-	-	76	60	bc.m	bc.m	9.2
{ Montrose ... ..	6.9	-	1	72	59	bc	bc	1.5	{ Walton-on-Naze ... ..		-	-					
{ St. Andrews ... ..	5.5	-	-	73	55	bc	c	3.6	{ Southend-on-Sea ... ..	3.0	-	-	76	59	o.c.f	c.bc.b	4.7
{ Carnoustie ... ..	*	*	*	74	60	c	c.f.p	3.3									
Eng. N.E.									{ Margate ... ..	2.2	-	-	74	58	b	b	8.0
{ Harrogate ... ..	10.1	-	-	74	56	bc.c	c	3.5	{ Hastings ... ..	2.5	-	-	80	57	o.bc	o.bc	2.7
{ Skegness ... ..	6.6	-	-	75	52	bc	o	6.8	{ Eastbourne ... ..	2.6	-	-	65	59	bc	bc	4.2
									{ Seaforth ... ..	*	-	-	65	58	bc.o	o.c	0.4
Eng. N.W.									{ Brighton ... ..	1.3	-	-	65	57	c	c	?
{ Morecambe ... ..	4.0	-	-	68	58	o.c.bc.c	c.o.c.o	1.4	{ Worthing ... ..	1.6	-	-	67	56			1.1
{ Southport ... ..	7.4	-	-	72	57			1.1	{ Littlehampton ... ..								
									{ Bognor ... ..								
									{ Bournemouth ... ..	3.8	-	-	69	58	o	o	1.5
Midlands.																	
{ Leamington Spa ... ..									{ Weymouth ... ..	8	*	*	71	60	c.bc	bc.y	1.8
{ Malvern ... ..									{ Torquay ... ..	7.7	-	-	72	60	c.o	c.o	0.5
{ Ross-on-Wye ... ..	7.8	-	-	70	58	b.bc	bc	2.2	{ Paignton ... ..	*	-	-	68	60	c	c	0.6
									{ Penzance ... ..	9.8	-	-	68	60	o.c	c.o	0.0
Wales.									{ Newquay ... ..	3.9	1	Trace	67	58	o.d.o	o.d.o	0.1
{ Rhyl ... ..	6.2	-	-	71	59	c.bc	c.bc.c	3.2	{ Bude ... ..								
{ Colwyn Bay ... ..	*	-	-	74	61	bc	bc	5.0	{ Ilfracombe ... ..	0.7	Trace	Trace	66	60	d.o	d.o	0.1
{ Llandudno ... ..	*	*	*	73	60	o.c	c	3.7	{ Weston-s-Mare ... ..	6.0	-	-	68	60	bc.c	bc.c	0.5
{ Aberystwyth ... ..	*	*	*	67	59	o.c	c.o	1.0									

REPORTS FROM FOREIGN STATIONS FOR THURSDAY, 26<sup>TH</sup> JULY

STATIONS.		EVENING OF 25 <sup>TH</sup>					MORNING OF 26 <sup>TH</sup>										MORNING OF 26 <sup>TH</sup>					
		BAROM. Milli- bars at M.S.L.	TEMP. ° F.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours.	Dirac.	Force 0-12.		Max.	Min.			Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.	Weather.
RUSSIA 7 a.m. and 9 p.m. Local Time.																						
Archangel ...	...	1007.4	54	N	2	o	1007.5	0	46		N	3	bc	-	*	36	Isafjord ...	1007.3	54		o	o
Gorki ...	...	1008.7	52	W	3	o	*	*	*					*	*	*	Reykjavik	1004.4	57	ESE	1	o
Velieki Luki ...	...	1013.5	61	NW	2	o	1014.0	+2	57		-	0	c	-	*	48	Vestmanna	1004.8	55	-	o	b
Hangö ...	...	1014.0	55	?	3	o									*		Seydisfjord	1003.5	50	-	o	b
Petrograd ...	...	1010.1	55	NW	2	o	1012.0	0	55	+3	NW	2	o	-	57	52	Thorshavn	1006.3	54	-	o	f
Moscow ...	...	997.2	55	NNW	5	o	1001.5	-1	52	-3	NNE	3	e	5	*	50						
Kiev ...	...	1010.0	54	NW	2	b	1010.3	0	52	-3	WNW	3	o	2	*	52						
Kharkov ...	...						1004.3	+1	54	-1	NW	4	o	2	*	54						
Kishinev ...	...						1014.0	+1	55		NW	3	o	-	*	54						
Elisabetgrad ...	...	1009.7	59	WNW	2	c	1009.5	-1	55		WNW	4	b	-	*	48						
Nicolaiev ...	...						1010.7	*	57		WNW	3	o	-	*	54						
Odessa ...	...	1013.0	66	NNW	3	b	1012.6	0	59		NNW	3	r	-	*	55						
Tarkhankout...	...						*	*	*					*	*	*						
Soukhom ...	...						*	*	*					*	*	*						
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																						
27 <sup>TH</sup> AND 28 <sup>TH</sup> JULY 1817.																	Sunrise.	Noon.	Sunset.			
																	G.M.T.	G.M.T.	G.M.T.			
Yarmouth ...																	4.5 4.6	11.59 11.59	7.52 7.51			
Greenwich ...																	4.17 4.18	12.6 12.6	7.55 7.54			
Wick ...																	3.53 3.55	12.18 12.18	8.43 8.41			
Valencia ...																	4.56 4.57	12.47 12.47	8.39 8.38			
SWEDEN.		Hernösand ...	1016.0	57	S	2	bc	1015.1	*	59	+2	-	0	bc	*	*	*					
		Stockholm ...	1014.9	66	-	0	b	1015.4	*	63	+6	ESE	2	b	*	*	*					
		Wisby ...	1015.7	59	NW	2	b	1014.9	*	64	+7	WSW	2	b	*	*	*					

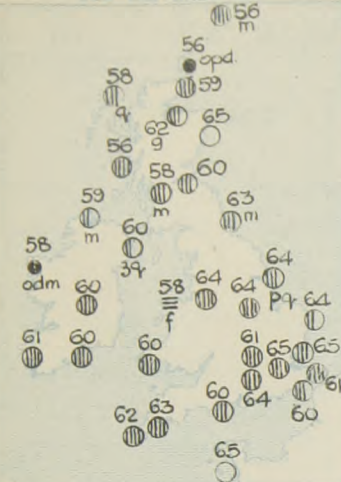
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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# THE MORNING OF FRIDAY, 27<sup>th</sup> JULY, 1917.

TEMPERATURE, WEATHER AND  
SEA DISTURBANCE

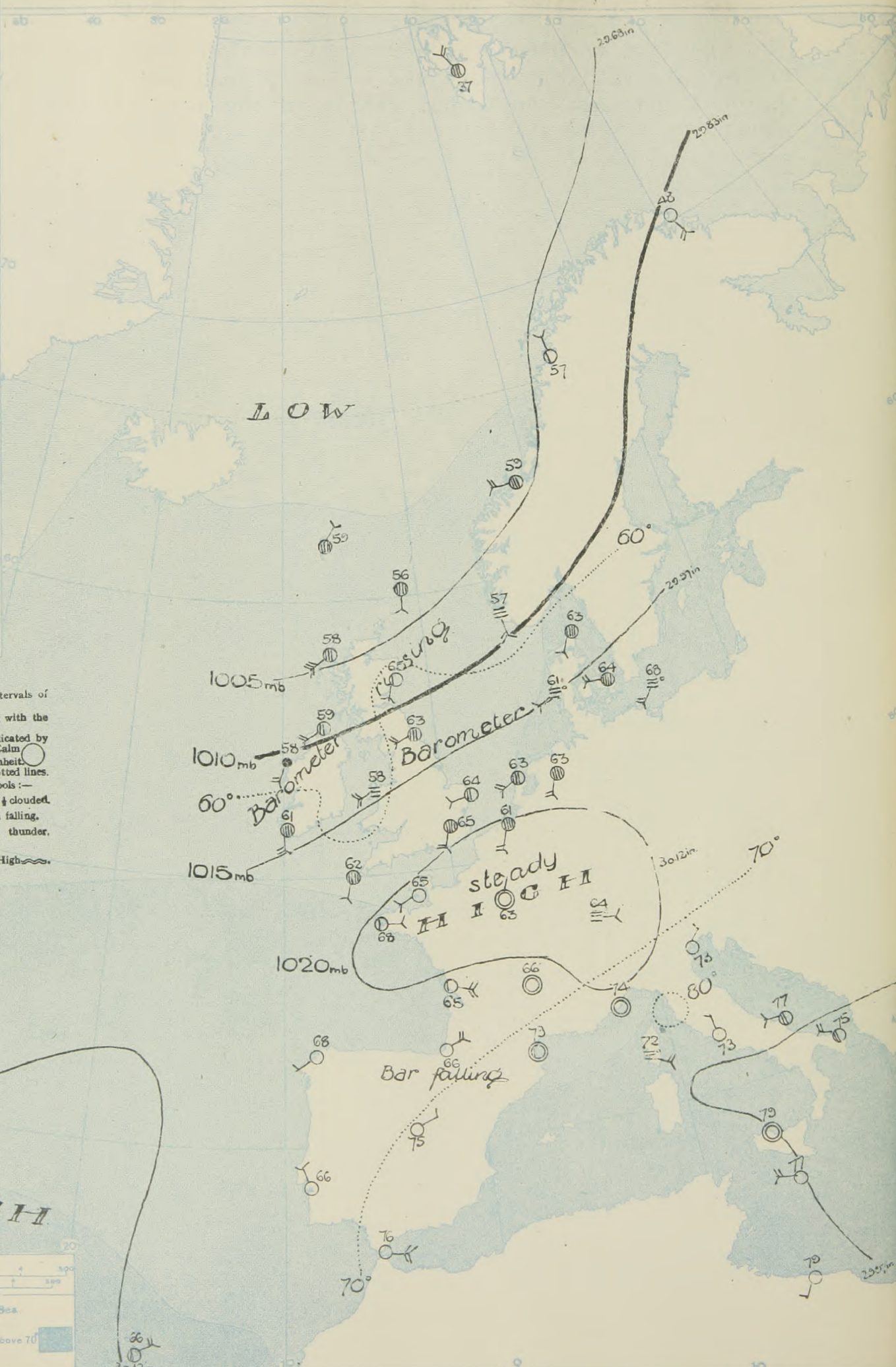
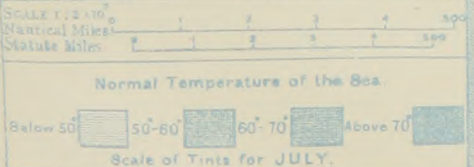


FORECAST DISTRICTS.

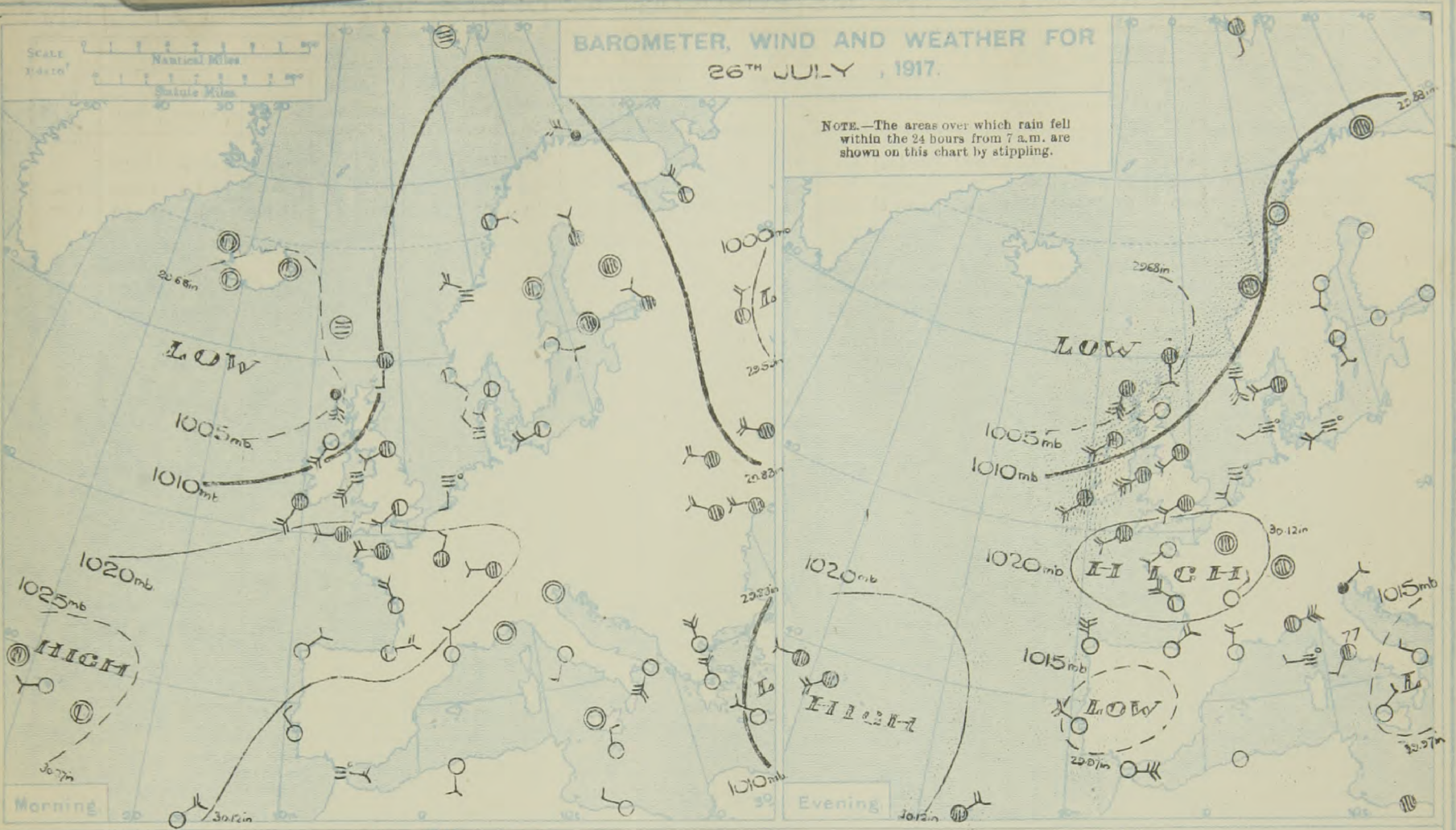


## EXPLANATION.

- BAROMETER.**—Isobars are drawn for intervals of five millibars.
- WIND.**—Direction is shown by arrows flying with the wind.  
Force, on the scale 0-12, is indicated by the number of feathers. Calm
- TEMPERATURE.**—Given in degrees Fahrenheit.   
Isotherms shown by dotted lines.
- WEATHER.**—Shown by the following symbols:—  
 clear sky. sky 1/2 clouded. sky 3/4 clouded. overcast sky. rain falling. snow. hail. fog. mist. thunder. thunderstorm.
- SEA DISTURBANCE.**—Rough High





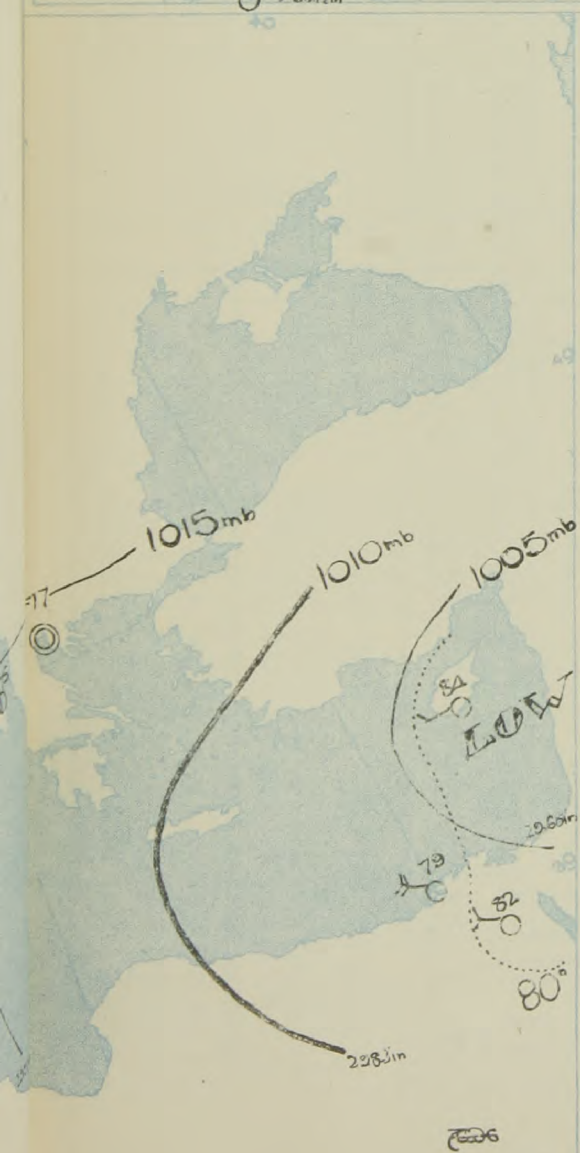


### The Present Situation

There is little change since yesterday. Pressure is lowest off the north coast of Scotland and fairly uniform over France, where the barometer is a little over 1020 millibars. Moderate SW. winds and cloudy weather prevail over the whole of the British Isles. In the south of France an Easterly current has set in.

### The General Outlook

The rise of the barometer that is taking place in the North-west will cause a temporary reduction in the force of the wind over the United Kingdom, but it is likely to remain SW. for the present with rather unsettled conditions in the west and fair weather as a whole in the east.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 208 (27th July. Friday)

STATIONS.	EVENING OF 26 <sup>th</sup>					MORNING OF 27 <sup>th</sup>										24 HOURS ENDED 7 A.M.										Sun- shine for 26 <sup>th</sup> Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.								
			Direc.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.						
BRITISH ISLANDS.	Lerwick	1002.3	57	S	2	om	1002.4	0	56	0	S	2	—	om	2	11	59	65	ompf	f.omp	om	*				
	Deerness (Orkney)	1003.7	61	SW	4	b	1004.0	*	53	+1	SW	4	—	opd	3	9	67	55	f.c.p.c	cr.bc	bc.pd	3.4				
	Stornoway	1002.8	61	SSW	6	ov	1004.6	+3	58	+1	SW	5	—	cq	4	3	66	57	cr.ov	ov	ov.pq	1.4				
	Castlebay (Barraisd.)																									
	Glasgow	1009.1	63	WSW	3	omp	1011.0	+3	58	-4	SW	3	W	cm	*	3	70	56	omp.c	cu.p.op	op.ovp	1.9				
	Eskdalemuir	1010.8	59	SSW	5	ofe	1012.4	+2	57	0	SSW	3	—	o	*	3	60	56	adm	of.c	ome.ad	0.0				
	Malin Head	1007.6	61	SW	4	cq	1009.9	+4	59	-3	SW	3	SW	bcm	2	2	64	57	bcp	cq	bcm	1.7				
	Blacksod Point	1008.6	60	SSW	4	cp	1011.2	+2	58	-3	SSW	3	—	omd	3	4	64	57	cmp	cmp	omp	*				
	Valencia (Cahirciveen)	1013.6	64	SW	4	c	1013.5	+1	61	0	S	3	—	o	3	Trace	67	61	o.c	c	o	6.5				
	Roche's Point	1015.8	63	SW	3	p	1015.4	*	60	-2	SW	1	—	o	2	0.4	68	58	ad.om	o.bc.op	ad.ccm	*				
	Birr Castle	1012.3	65	SW	1	o	1013.8	*	60	-5	SSE	1	—	o	*	—	70	58	c	a	c.o	5.2				
	Donaghadee	1009.8	69	WSW	4	bczq	1011.6	+2	60	-2	WSW	3	W	bczq	3	1	72	58	bcmp	bcz	cm.bq	*				
	Liverpool (Bldston)	1013.6	67	SW	4	c	1014.9	0	64	+2	SW	2	SW	0	2	—	73	61	c.b	bcq	c.o	2.7				
	Holyhead	1013.5	60	SW	6	ofq	1014.6	+1	58	-1	SW	4	—	baf	3	Trace	63	56	fe.of.c	of.cq	of.ofe	0.2				
	Pembroke (St. Ann's)	1017.8	61	SSW	4	o	1017.1	+2	60	0	SSW	3	—	o	3	Trace	63	59	opd	c.o	c.o	0.2				
	Scilly (St. Mary's)	1020.1	62	WSW	3	o	1018.6	0	62	+2	S	2	S	om	3	—	67	59	om	om	c.om	0.1				
	Falmouth	1020.0	65	WSW	3	o	1018.6	0	63	+2	S	2	—	o	*	—	66	60	o	ov.o	o.c	0.0				
Jersey (St. Aubin)	1021.7	67	SW	2	b	1020.6	—	65	+4	SW	2	—	b	1	Trace	69	55	o.c.o	o.c.b	b	4.3					
Portland Bill	1019.6	61	WSW	5	c	1019.5	0	60	-1	WSW	2	—	c	2	—	64	58	bc.c	bc	bcc.o	*					
Dungeness	1019.6	61	WSW	4	bc	1020.7	+1	60	0	WSW	4	SW	c	3	—	66	59	f.bc	bc	c.bc.c	*					
Dover	1020.0	61	SW	5	o	1019.6	0	61	0	SSW	3	W	o	3	—	70	60	om.b	bc.o	m.o	9.7					
Wick	1004.0	69	SW	3	bcm	1004.8	+2	59	+1	SSW	3	—	o	2	1	69	65	omp.bc	bcmp.bc	bc.ong	*					
Nairn	1005.9	65	WSW	2	cq	1005.2	—	62	-3	WSW	3	—	cq	2	2	73	58	cgpm	c.b.bq	cq	4.9					
Aberdeen	1007.1	65	SW	1	c	1007.3	+1	65	+2	SSW	2	—	b	2	1	72	60	c	bc.of.c	c.bc.c	4.3					
Leith	1008.0	71	SW	2	c	1010.0	+1	60	-5	W	2	W	c	2	—	74	59	o.cu.bc	bc.pu.c	c.o.cpc	*					
Tynemouth	1011.6	67	SW	3	omq	1012.1	—	63	0	WSW	2	W	em	2	—	71	60	emq	emq	cm	*					
Spurn Head	1015.2	71	WSW	3	cm	1015.6	0	64	+1	WSW	4	—	cq	3	—	77	60	c.o	c.o	bcq	4.0					
Yarmouth (Gorleston)	1017.8	75	WSW	3	bc	1018.1	+2	64	+1	WSW	2	—	bc	2	—	78	60	bc	bc	bc	10.4					
Clacton-on-Sea	1017.6	70	SSW	3	bc	1019.0	0	65	+1	W	3	W	bc	2	—	74	61	bc.c.om	om.c.bc	bc.c.bc	7.9					
Nottingham	1015.6	70	SW	3	a	1016.5	*	64	+2	SW	3	SW	o	*	—	74	60	bc	bc.c	c.o	3.6					
Benson (Oxon.)	1018.2	67	SW	2	o	1018.5	+1	61	-1	SW	2	—	o	*	—	70	58	o.c.o	o	o	*					
Sth Farnborough	1018.2	67	SW	2	o	1018.8	0	64	+2	SW	4	—	o	*	Trace	74	61	od.o	o.c.o	a.c.o	0.8					
London (Kew Obsy.)	1018.6	69	SW	3	ok	1019.3	+1	65	+3	SSW	3	SW	0	*	—	74	60	omw.o	o.ou	ou.c.bc	1.4					
NORTHERN EUROPE.	Spitsbergen	1006.7	39	S	1	o	1004.7	-1	37	0	NNW	3	*	c	*	*	39	34								
	Vardö	1012.0	43	—	0	o	1011.8	0	48	+7	S	3	—	b	3	*	43	39								
	Bodö	1011.5	55	—	0	b	1005.9	-3	57	+5	N	2	NE	b	2	—	55	46								
	Christiansund	1009.6	57	—	0	c	1003.3	+3	59	+9	W	3	—	c	3	1	68	48								
	Skudesnaes	1011.1	57	SSE	5	f	1007.4	-1	57	0	S	3	—	f	2	3	59	54								
	Færder (X'lania Fjord)	1011.9	63	S	3	o	1010.6	0	61	-2	SSW	2	—	c	3	4	65	61								
	The Scaw (Skagen)	1015.9	61	WSW	3	o	1012.4	-1	63	+2	SSW	2	—	o	2	—	68	59								
	Blaavands Huk	1016.8	59	WSW	1	m	1014.7	—	61	+4	SW	2	—	m	*	—	63	55								
	Copenhagen	1016.0	70	NW	2	c	1016.3	+1	64	+1	W	3	—	o	*	Trace	73	63								
	Bornholm	1016.2	66	SW	3	m	1016.4	0	68	+4	SW	3	—	m	0	—	70	61								
FRANCE, &c.	The Helder	1017.7	63	SSW	3	m	1017.9	0	63	+4	SW	3	—	c	1	—	68	63								
	C. Gris Nez	1019.7	60	SW	4	c	1020.3	+1	61	+1	SW	4	*	o	3	—	66	57								
	La Hève	1021.5	67	WNW	2	b	1022.9	*	58	-1	—	0	*	m	0	—	73	55								
	Brest (St. Mathieu)	1022.4	64	SSW	2	bc	1020.6	0	68	+6	E	2	*	b	1	—	70	59								
	Rochefort (Ile d'Aix)	1020.4	70	NW	4	b	1019.0	0	65	-1	ESE	4	*	b	*	—	82	61								
	Biarritz	1018.6	72	NNE	3	b	1017.2	-2	66	-1	ENE	3	*	b	1	—	79	59								
	Paris	1020.3	72	NNW	2	bc	1021.9	+1	63	+2	NNE	1	—	b	*	—	73	65								
	Belfort	1019.8	70	—	0	c	1022.1	*	64	+2	E	2	*	m	*	2	77	56								
	Lyons	1018.1	73	NE	1	b	1019.9	—	66	—	0	*	*	b	*	8	81	60								
	Nice	1014.9	64	E	6	c	1017.5	+2	74	+2	—	0	*	b	3	—	84	69								
Perpignan	1016.3	84	N	3	b	1018.0	+3	73	-4	—	0	*	b	*	—	90	61									
Sanguinaire	1015.7	79	W	3	m	1016.0	*	72	—	ESE	3	*	m	3	—	86	66									
SOUTHERN STATIONS.	Corunna	1016.6	75	N	5	b	1017.2	+3	68	-2	SW	1	—	b	1	—	79	59								
	Madrid	1012.2	91	—	0	bc	1016.3	+2	75	—	ENE	2	—	b	*	—	92	70								
	Lisbon	1014.7	77	WNW	4	b	1016.2	+1	66	-2	NW	2	—	b	5	—	84	63								
	Azores (Horta)	1024.6	*	SW	4	c	1021.7	0	70	+2	WSW	5	*	o	2	—	79	70								
	Madeira	1019.7	72	NE	3	o	1019.8	0	66	0	NE	3	—	bc	3	—	75	66								
	Gibraltar	1015.6	77	E	5	b	1015.6	*	76	+3	E	4	*	b	3	—	83	72								
	Malta	*	*	*	*	*	1015.0	+2	77	0	WNW	3	—	b	1	—	84	73								
	Limassol	*	*	*	*	*	1003.5	+4	84	0	W	1	—	h	0	—	99	64								
	Alexandria	1006.1	77	NW	4	b	1006.0	0	79	0	NW	3	NW	c	2	—	86	73								
	Cairo (Helwan)	1006.0	82	NW	2	b	1007.1	+2	75	0	NW	2	—	o	*	—	95	68								
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 26 <sup>th</sup> Hours.	24 HOURS ENDED 9 h. 27 <sup>th</sup>					SOUTH KENSINGTON.					Vertical Component of Solar Radiation per square Centimetre during 26 <sup>th</sup>											
15 h.		9 h.			TEMPERATURE.			Rain- fall.	WEATHER.																	
26 <sup>th</sup>		27 <sup>th</sup>		Max.	Min.	Min. on Grass.	Morn- ing.		After- noon.	Night.	Total.	Average Rate.	Max. Rate.	Joules.	Milliwatts.	Milliwatts.										
GREENWICH (Royal Observatory)		61	72	3.0	75	59	52	—	0	o.c.o	o.c.bco	840	14.													



## 1917.

The day was again warm in the east and south-east, the maximum temperature being nearly 80°. Rain fell in Scotland and Ireland in considerable quantity, Glasgow 53 mm. and Holyhead 28mm. There was a large amount of bright sun-shine on the east and south-east coasts and in the Channel Islands.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR FRIDAY, 27<sup>TH</sup> JULY... UP TO 17 H.

	STATIONS.	Sun- shine for	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to
		26 <sup>th</sup>	Night. 17h-9h.	Day. 9h-17h.	Máx.	Mín.	Forenoon.	Afternoon.	27 <sup>th</sup>
Scotland.	{ Oban ... ..	1·7	2	-	63	55	s	bc. c	4·3
	{ Banff ... ..	4·9	-	-	70	58	bc	bc	9·6
	{ Montrose ... ..	2·5	2	-	74	58	b	b	10·5
	{ St. Andrews... ..	5·0	Trace	-	73	58	bc	c	9·7
	Carnoustie	*	*	-	75	64	fc	c	9·11
Eng. N.E.	{ Harrogate ... ..	4·0	1	-	74	58	bc. c.o	c. bc. o	2·3
	{ Skegness ... ..	6·8	-	-	79	59	bc	bc. o	7·2
Eng. N.W.	{ Morecambe ... ..	-	-	-	-	-	-	-	-
	{ Southport ... ..	1·1	-	1	67	64	o. bc. c.o	or	3·1
Midlands.	{ Leamington Spa ... ..	-	-	-	-	-	-	-	-
	{ Malvern ... ..	-	-	-	-	-	-	-	-
	{ Ross-on-Wye ... ..	2·9	-	1	73	60	bc	bc. c.o	3·6
Wales.	{ Rhyl ... ..	3·9	-	2	69	59	c. bc. c	c. bc. c	1·1
	{ Colwyn Bay... ..	*	*	*	73	62	cp	cp. r	7·1
	{ Llandudno ... ..	*	*	*	67	61	c	c. r	3·5
	{ Aberystwyth ... ..	*	*	*	66	61	r. o. c	c. o. r	0·3
England, E.	{ Lowestoft ... ..	8·9	-	-	75	59	bc. b	b. bc	11·3
	{ Felixstowe ... ..	10·2	-	-	74	60	bc	bc	11·1
	{ Walton-on-Naze ... ..	-	-	-	72	60	b. br. bc	b. br. bc	10·0
	{ Southend-on-Sea ... ..	5·6	-	-	82	61	b. bc	bc. c. r	8·5
England, S.E.	{ Margate ... ..	9·3	-	-	77	60	b	b	10·6
	{ Hastings ... ..	2·7	-	-	68	59	o. bc. b	b	7·5
	{ Eastbourne ... ..	5·4	-	-	68	59	b	b	8·1
	{ Seaford ... ..	1·6	-	-	69	59	bc	b	7·6
	{ Brighton ... ..	-	-	-	69	61	o. c	c. b	7·6
	{ Worthing ... ..	1·1	-	-	71	61	bc	b	10·7
	{ Littlehampton ... ..	-	-	-	-	-	-	-	-
	{ Bognor ... ..	-	-	-	-	-	-	-	-
	{ Bournemouth ... ..	1·5	-	-	70	58	o. c	bc. c	5·5
England, S.W.	{ Weymouth ... ..	*	*	*	70	60	c	bc	6·0
	{ Torquay ... ..	0·5	-	-	67	60	o. c	c. bc. c.o	2·7
	{ Paignton ... ..	-	-	-	-	-	-	-	-
	{ Penzance ... ..	0·0	Trace	Trace	65	62	om. f	o. f	0·0
	{ Newquay ... ..	0·1	-	1	66	57	o. d. r.o	a. d. b. o	0·3
	{ Bude ... ..	-	-	-	-	-	-	-	-
	{ Ilfracombe ... ..	0·4	Trace	1	68	60	d. o. bc	d. o. r	1·4
	{ Weston-s-Mare ... ..	0·5	-	-	72	57	b. bc	bc. c	5·3

REPORTS FROM FOREIGN STATIONS FOR FRIDAY, 27<sup>TH</sup> JULY

STATIONS.		EVENING OF 26 <sup>TH</sup>					MORNING OF 27 <sup>TH</sup>										MORNING OF 27 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.
		° F.							° F.	° F.					° F.	° F.			° F.	° F.			
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1007.5	50	N	3	0									*	*							
	Gorki ...														*	*							
	Velieki Luki ...														*	*							
	Hangö ...	1014.9	59	-	0	0	1016.6	+1	54	-3	-	0	0	-	*	50							
	Riga ...	1015.3	58	-	0	b	1015.0	0	63	+8	-	0	0	-	*	55							
	Petrograd ...	1012.2	58	NW	2	0	1012.4	0	54	-1	NNW	3	0	-	59	52							
	Moscow ...	1006.3	55	NNW	2	b	1008.7	+1	48	-4	NNW	2	c	-	*	45							
	Kiev ...	1013.9	54	N	2	0	1015.8	+1	57	+5	NW	2	0	-	*	51							
	Kharkov ...						1011.1	+2	55	+1	NW	2	0	-	*	52							
	Kishinev ...	1008.8	54	-	0	0									*	*							
MEDITERRANEAN.	Elisabetgrad ...														*	*							
	Nicolaiev ...						*								*	*							
	Odessa ...						*								*	*							
	Tarkhankout ...						*								*	*							
	Soukhoum ...	1010.0	63	NNE	2	b	1012.8	0	61		-	0	b	15	*	55							
SWEDEN.	Venice ...	1015.5	77	-	0	Y	1017.7	*	73	-3	NE	1	b	Trace	81	68							
	Pesaro ...						1017.1	*	73	+5	W	2	b	?	?	?							
	Rome ...	1015.4	77	SW	1	c	1015.5	*	73	-2	N	1	b	-	86	70							
	Viesti ...	1014.7	79	NW	1	0	1016.1	*	77	-2	WNW	2	bc	Trace	82	72							
	Brindisi ...	1013.8	75	NW	1	b	1013.5	*	75	+2	NW	3	bc	-	77	70							
	Cagliari ...						1015.9	*	70	-2	NW	4	b	-	84	63							
	Palermo ...	1014.9	77	NE	1	b	1015.1	*	79	-2	-	0	b	-	90	63							
	Tripoli ...	1017.3	75		1	0	1017.8	*	79	0	-	0	b	-	82	64							
	Algiers ...	1015.8	75	NE	3	b	1015.9	+1	75		NNE	1	b	-	81	68							
SWEDEN.	Hernösand ...	1013.6	59	S	2	b	1011.5	*	61	+2	-	0	b	*	*	*							
	Stockholm ...	1014.6	63	SSE	2	b	1014.4	*	66	+3	S	2	b	*	*	*							
	Wisby ...	1014.9	63	NE	2	b	1014.4	*	66	+2	SSE	2	b	*	*	*							

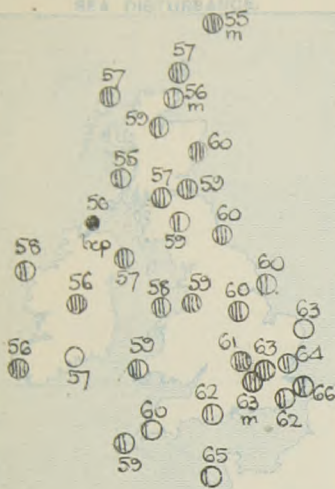
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# THE MORNING OF SATURDAY, 28<sup>TH</sup>, JULY, 1917.

TEMPERATURE, WEATHER AND  
SEA DISTURBANCE.

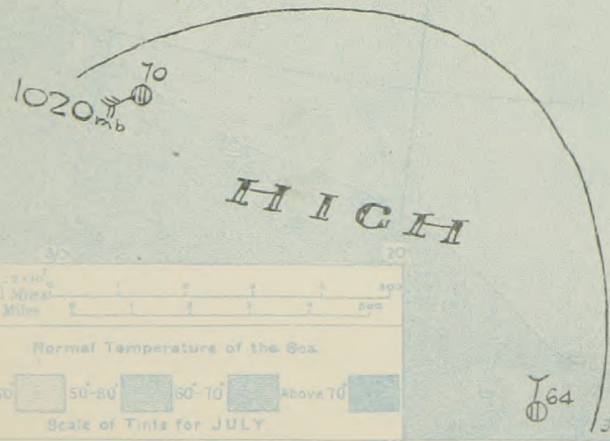
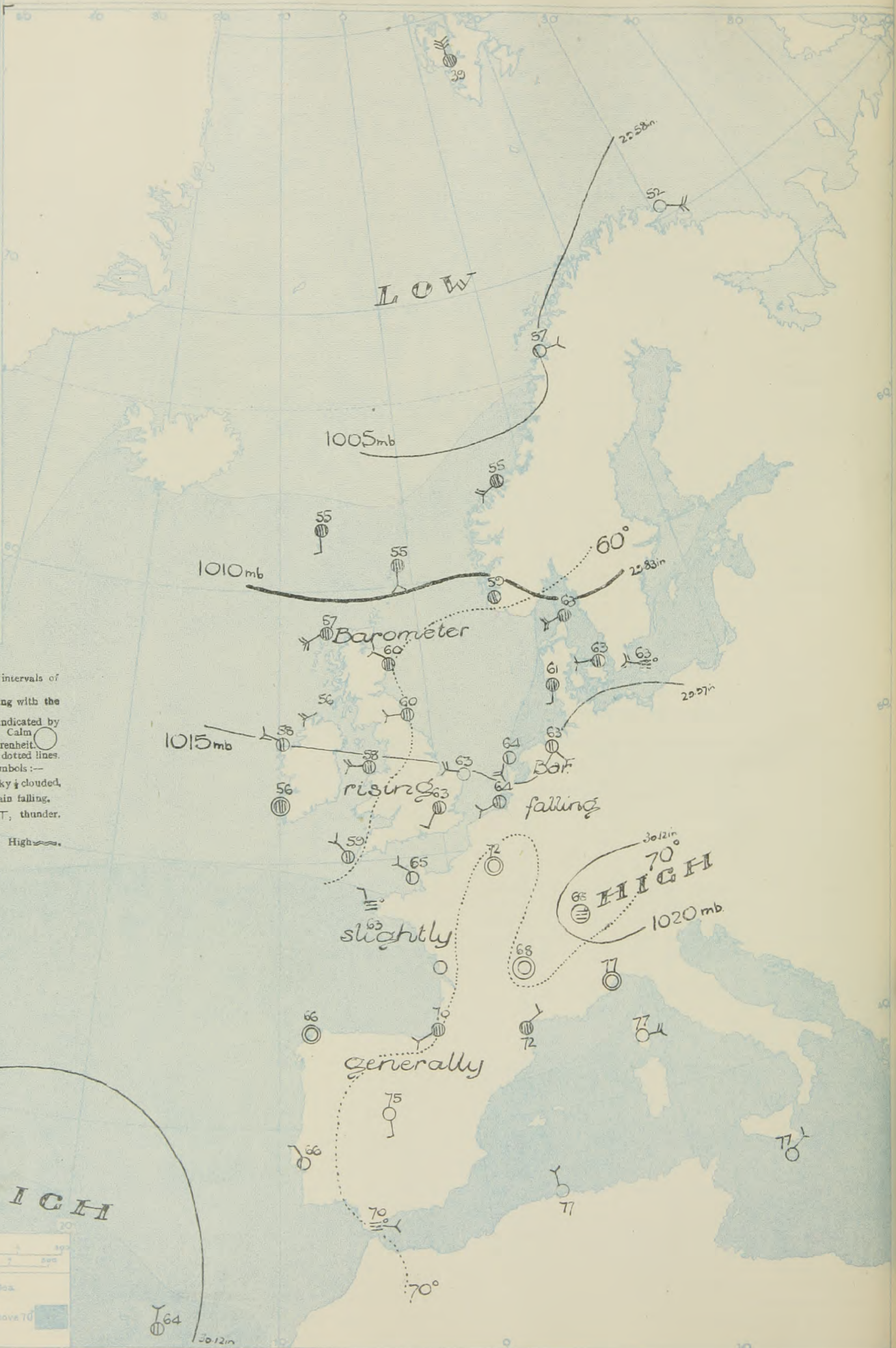


FORECAST DISTRICTS

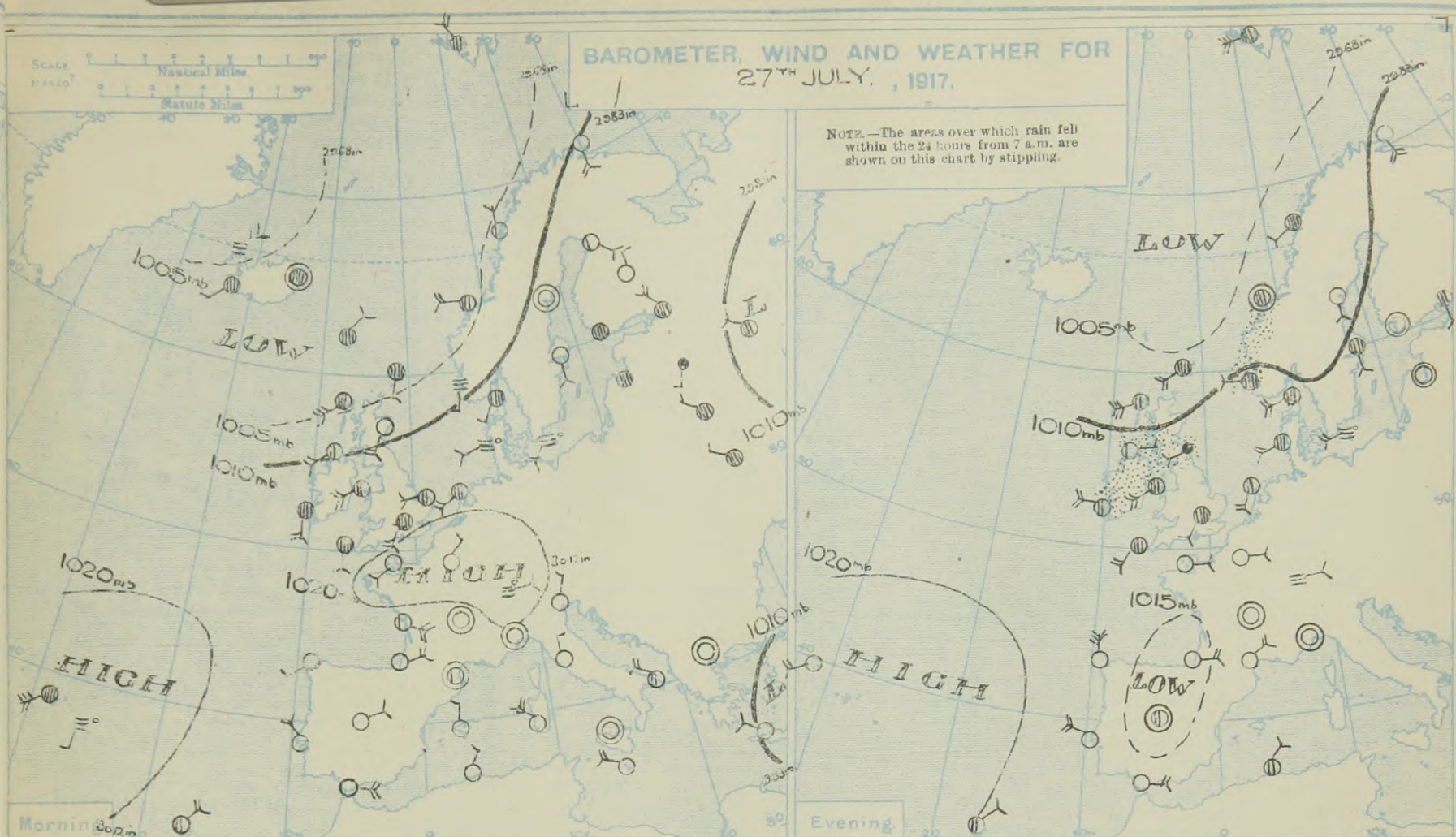


## EXPLANATION.

- BAROMETER.**—Isobars are drawn for intervals of five millibars.
- WIND.**—Direction is shown by arrows flying with the wind.  
Force, on the scale 0-12, is indicated by the number of feathers. Calm
- TEMPERATURE.**—Given in degrees Fahrenheit.  
Isotherms shown by dotted lines.
- WEATHER.**—Shown by the following symbols:—  
 clear sky. sky  $\frac{1}{2}$  clouded. sky  $\frac{3}{4}$  clouded. overcast sky. rain falling.  
 snow. hail. fog. mist. thunder.  
 thunderstorm.
- SEA DISTURBANCE.**—Rough High





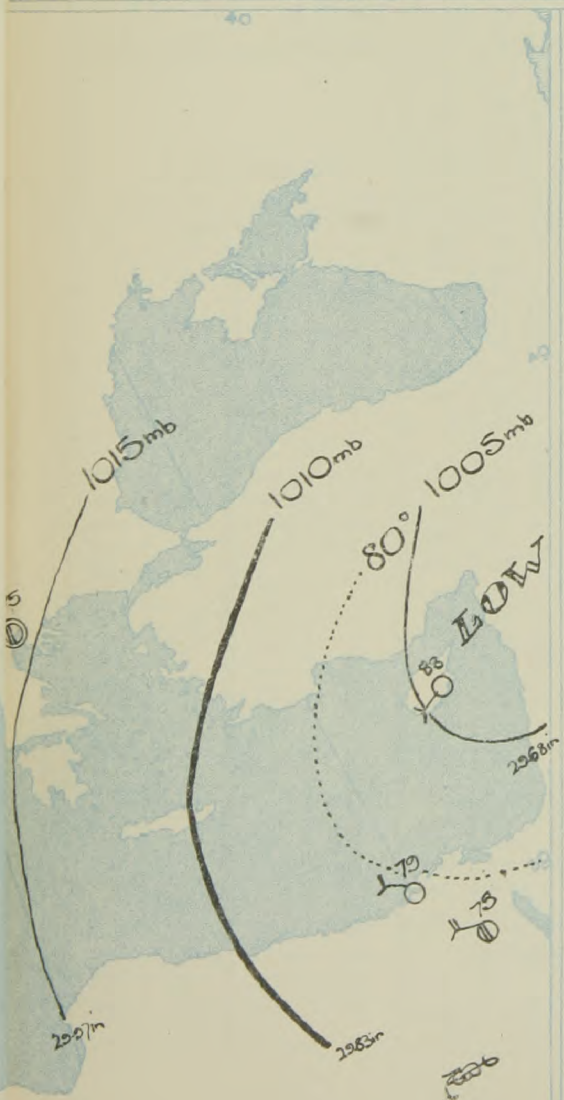


### THE PRESENT SITUATION

The depression that has been off our northern coasts for the last two or three days has partly filled up and has moved towards the East. There is a slight gradient for westerly breezes over the United Kingdom. Small shallow disturbances continue to pass across the country. The wind is very light in force and the weather is, for the most part, fair.

### THE GENERAL OUTLOOK.

The barometric changes are slight and indefinite. A fair quiet type of weather is likely, with some interruptions of a thundery character.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 209 (28<sup>th</sup> JULY)

		EVENING OF 27 <sup>th</sup>					MORNING OF 28 <sup>th</sup>								24 HOURS ENDED 7 A.M.						Sun- shine for 27 <sup>th</sup> Hours.
STATIONS.	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. Dry Bulb. °F.	Change in 24 hours. °F.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
			Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning	Afternoon	Night	
BRITISH ISLANDS.	Lerwick	1005.2	SW	4	om	1005.4	+1	55	-1	S	2	-	om	2	1	61	52	b.c.p.m	c.ond	om	*
	Deerness (Orkney)	1003.1	W	5	b	1010.1	*	57	+1	W	3	SW	c	1	-	64	51	ad.o.c	c.be.b	b.be.c	4.0
	Stornoway	1009.0	WSW	6	b.c	1010.7	0	57	-1	SW	4	-	c	3	-	65	54	q	b.c	b.c.c	7.5
	Castlebary (Barra Isd.)																				
	Glasgow	1011.8	SW	1	om	1013.2	+3	57	-1	W	3	SW	c	*	53	66	53	c.o.c	c.omp	rm.o.c	3.0
	Eskdalemuir	1012.9	SW	4	om	1013.0	+3	59	+2	WNW	4	W	b.c	*	11	63	54	o.opm	o.opm	orm.o.c	0.1
	Malin Head	1010.8	E	1	b	1013.6	+2	56	-3	SW	3	NW	b.c	3	4	64	56	cmd	b.c	b.c	4.6
	Blackod Point	1012.3	SW	3	b.c	1015.0	+1	58	0	WNW	2	-	b.c	2	-	64	55	ep	b.c	b.c.c	*
	Valencia (Cahirveen)	1014.5	WNW	3	b.c	1017.1	+2	56	-5	-	0	NW	0	3	12	65	51	or.o	o.c.b.c	c.o	2.8
	Roche's Point	1014.1	SW	3	c	1017.7	*	57	-3	NW	1	NW	b	2	14	65	55	or	o.c	c.b	*
	Birr Castle	1011.8	SW	1	r	1016.4	*	56	-4	SW	1	-	0	*	6	68	51	o	o.c	or.o	0.0
	Donaghadee	1010.5	SW	2	omr	1014.1	+2	57	-3	WNW	3	T	cg.m	2	9	64	55	ag	om.p	cg.m.p	*
	Liverpool (Bldston)	1014.7	SSW	1	r	1014.7	+3	59	-5	WSW	3	W	0	3	7	64	56	eg	og.p	o	0.4
	Holyhead	1013.3	SW	4	cg	1015.2	+1	58	0	W	3	W	cg	2	28	62	56	cg.opf	of.o.or	op.coc	1.1
	Pembroke (St. Ann's)	1015.3	SSW	2	r	1016.5	+1	59	-1	-	0	SW	c	2	12	64	57	o.c	or.b.c	cp.b	1.4
	Scilly (St. Mary's)	1017.2	SW	3	c	1018.1	+1	59	-3	NW	2	W	b.c	4	8	63	56	omp	omr.c	cp.c.b	0.5
	Falmouth	1016.7	SW	2	o	1017.3	+1	60	-3	WNW	1	-	b	*	Trace	66	56	oe.o	adm.o	b.c.b	0.2
	Jersey (St. Aubin)	1017.0	E	2	b	1017.7	*	65	0	NW	2	-	b	1	-	74	57	b	b	b	13.3
	Portland Bill	1017.1	E	2	c	1017.1	0	62	+2	W	2	W	b.c	2	-	7	59	c.b.c	b.b.c	c.b.c	*
	Dungeness	1018.3	SW	2	b	1017.4	0	62	+2	WSW	3	SW	b.c	2	-	66	57	b.c	b.c	b.c	*
	Dover	1017.6	SW	2	b	1018.3	0	66	+5	NW	3	W	b.c	2	-	65	62	om.b	b	b.c	10.3
NORTHERN EUROPE.	Wick	1006.6	WSW	4	b.c	1011.1	+2	56	-3	SSW	1	-	b.c.m	1	-	64	49	o.cq	cg.be	b.c.b.c	*
	Nairn	1009.1	W	2	b.c	1011.0	*	54	-3	W	1	-	c	1	-	72	51	c.b.cq	b.c.cq	b.c.c	8.8
	Aberdeen	1010.2	SE	2	c	1012.1	+2	60	-5	NW	2	-	0	1	Trace	74	57	b.b.c	b.c.c	c.op	9.5
	Leith	1010.8	W	2	o	1012.2	+1	59	-1	W	1	W	c	1	14	70	57	c.b.c	c.b.c	o.c.m	*
	Tynemouth	1012.7	WSW	2	omr	1012.3	*	60	-3	W	2	NW	c.m	2	11	71	57	cm	omr	cm	*
	Spurn Head	1015.8	W	3	om	1014.3	0	60	-4	WSW	4	-	b.c	3	2	78	58	b.c.m	om	or.b.c	3.2
	Yarmouth (Gorleston)	1016.3	SW	4	b.c	1015.3	+1	63	-1	WNW	2	-	b	2	-	74	60	b.c.b	b.b.c	o.c.b	10.8
	Clacton-on-Sea	1016.3	SE	2	c	1015.2	0	64	-1	WNW	2	W	b.c	1	-	75	58	b.c.b.c	b.c.c	o.c.b	9.3
	Nottingham	1015.2	SW	1	r	1015.3	*	60	-4	W	1	W	c	*	5	77	55	o.c	c.op	or.e	2.3
	Benson (Oxon.)	1016.6	SW	3	o	1015.9	+1	61	0	SSW	1	-	0	*	Trace	76	55	b.c	c	op	*
FRANCE, &c.	Sth Farnborough	1016.8	WSW	2	c	1016.4	0	60	-4	WNW	2	-	om	*	-	77	54	o.b.b.c	b.c.c	o.c.m	6.1
	London (Kew Obsy.)	1016.8	SW	3	o	1016.7	+1	63	-2	SW	1	W	c	*	-	78	55	o.b.c	b.c.o	b.m.c	5.9
	Spitsbergen	1004.4	W	5	c	1003.7	0	39	+2	N	6	*	0	*	*	39	36				
	Vardö	1011.0	S	3	b	1008.3	0	52	+4	SE	5	-	b	2	*	50	39				
	Bodö	1004.7	SW	2	o	1005.0	0	57	0	E	2	-	b	2	7	64	52				
	Christiansund	1005.3	-	0	c	1007.8	+1	55	-4	SW	3	-	0	3	3	64	55				
	Skudesnaes	1010.1	SW	1	b	1011.1	0	59	+2	-	0	-	c	1	-	63	54				
	Færder (Xtania Fjord)	1007.3	SW	6	c	1008.4	+1	63	+2	SW	4	NW	b.c	3	-	64	61				
	The Scaw (Skagen)	1010.6	WSW	4	c	1011.3	0	63	0	WSW	4	-	0	4	-	88	59				
	Blaavands Huk	1015.7	WSW	3	c	1013.9	*	61	0	S	1	-	0	*	2	66	57				
SOUTHERN STATIONS.	Copenhagen	1013.9	WNW	4	c	1014.6	0	63	-1	W	2	-	c	*	2	78	61				
	Bornholm	1014.1	WSW	3	m	1014.6	+1	63	-5	WNW	4	-	m	1	-	70	59				
	The Helder	1017.7	SSW	3	b.c	1018.9	+2	64	-1	SW	3	W	b	2	-	66	57				
	C. Gris Nez	1017.7	-	0	b	1016.7	0	64	-3	SW	1	*	0	0	-	70	61				
	La Hève	1021.9	SW	1	b	1018.0	*	63	+5	NE	3	*	b.c	1	-	74	57				
	Brest (St. Mathieu)	1015.6	NNW	2	o	1016.7	0	63	-3	NNW	1	*	m	1	-	73	63				
	Rochefort (Ile d'Alx)																				
	Biarritz	2	SE	3	b	1017.2	+1	70	+4	WSW	2	*	0	2	3	93	68				
	Paris	1017.3	E	2	b	1016.6	0	72	+9	-	0	-	b	*	-	74	59				
	Belfort	1019.3	E	2	m	1020.4	*	68	+4	-	0	*	m	*	-	74	58				
SOUTH KENSINGTON.	Lyons	1017.2	ESE	1	b	1019.7	*	68	+2	-	0	*	b	*	-	86	62				
	Nice	1018.6	-	0	b	1019.9	+2	77	+3	-	0	*	b	0	-	86	66				
	Perpignan	1017.3	ENE	2	b	1019.4	+2	72	-1	NE	1	-	0	*	-	86	64				
	Sanguinaire	1017.7	NW	3	m	1019.4	*	77	+5	E	3	*	b	?	-	91	?				
	Corunna	1015.0	N	5	b	1017.6	0	66	-2	-	0	-	b	1	-	72	63				
	Madrid	1011.9	-	0	b.c	1017.2	+2	75	0	SE	1	-	b	*	?	97	66				
	Lisbon	1013.9	WNW	4	b	1017.9	+1	66	0	NW	1	-	b	5	-	82	64				
	Azores (Horta)	*				1021.3	+1	70	0	SW	5	*	c	2	-	81	70				
	Madeira	1020.0	NE	2	b.c	1021.9	0	64	-2	N	2	-	b.c	2	-	73	64				
	Gibraltar	1017.3	E	3	b	1017.9	*	70	-6	E	2	*	m	2	-	84	68				
LONDON OBSERVATIONS.	Malta	*	*	*	*	1018.3	+3	77	0	NE	2	-	b	0	-	84	73				
	Limassol	*	*	*	*	1004.2	+1	88	+4	WSW	2	-	b	0	-	91	64				
	Alexandria	1007.2	SW	2	b.c	1008.5	+1	79	0	NW	2	-	b	1	-	84	73				
	Cairo (Helwan)	1006.1	NNW	2	b	1008.6	+2	75	0	NW	3	NW	b.c	*	-	95	72				
	24 HOURS ENDED 9 h. 28 <sup>th</sup>																				
	HUMIDITY.		Sun- shine for		TEMPERATURE.		Rain- fall.		WEATHER.		Vertical Component of Solar Radiation per square Centimetre during 27 <sup>th</sup> .		Total.		Average Rate.		Max. Rate.		The thermometers at Greenwich and Camden Square are in Glaisher screens.		
	25 h.	9 h.	27 <sup>th</sup>	28 <sup>th</sup>	Max.	Min.	Min. on Grass.	mm.	Morn- ing.	After- noon.	Night.	Joules.	1820	32.3	79.5						
	54	72	7.8	8.1	51	57	48	-	b.c	0	02.62										
	CITY (Bunhill Row)	*	*	7.1	*	*	*	*	*	*	*										
	WESTMINSTER (St. James's Park)	56	74	7.7	58	58	58	-	b.c	b.c	c										
	CAMDEN SQ. (British Rainfall)	47	74	5.6	83	57	55	-	b.c	b.c	*										
	HAMPSTEAD (Reservoir)	*	74	7.4	76	55	45	-	b.c	e	c										
	S. KENSINGTON (Museum Grounds)	*	73	8.7	79	54	54	-	c	b.c	c.b										

\* Information for these columns not usually received.

+ Received too late for insertion in Charts.

† The barometric change is expressed in half-millibars.



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON SATURDAY, 28th JULY. 1917.

Locally in the north and west there was considerable cloudiness, but generally the weather was fine, the duration of sunshine ranging up to more than 12 hours at Jersey. Temperature exceeded 70° at most of our southern stations, South Farnborough and London touching 78°. Light rain fell at several places in the north and west.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR SATURDAY, 28th JULY. UP TO 17 H.

STATIONS.	Sun- shine for 27th	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine for 28th	STATIONS.	Sun- shine for 27th	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine for 28th
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.						Mm.	Mm.	° F.	° F.			
Scotland.									England, E.								
Oban ...	4.9	-	-	61	52	bc	c	2.9	Lowestoft ...								
Banff ...	11.4	-	-	66	47	bc	bc.c.r	3.5	Felixstowe ...	11.1	-	-	78	68	bc	bc	10.9
Montrose ...	10.5	*	*	74	56	b	bc	5.6	Walton-on-Naze ...	10.0	-	-	72	58	b.bc.b	bc.b.by	11.1
St. Andrews ...	*	*	*	65	58	f.c	c	8.7	Southend-on-Sea ...	8.7	-	-	82	58	b.bc.c	bc.b	8.2
Carnoustie ...	*	*	*														
England, N.W.									England, S.E.								
Harrogate ...	2.3	9	-	72	55	c.bc.b	b	8.8	Margate ...	11.6	-	-	74	62	bc	b.bc	8.2
Skegness ...	*	*	*	75	56	bc	bc	10.5	Hastings ...	9.4	-	-	71	58	bc.b	b	8.9
									Eastbourne ...	9.1	-	-	72	60	b	b	9.8
									Seaford ...	9.4	-	-	70	56	c.b	b	8.5
England, N.W.									Brighton ...								
Morecambe ...									Worthing ...								
Southport ...	3.1	7	-	66	58	c.o.c.bc	b.bc.c	7.8	Littlehampton ...		-	-	69	55			10.7
									Bognor ...								
									Bournemouth ...		-	-	75	56	bc	b	10.0
Midlands.																	
Leamington Spa ...									Weymouth ...		*	*					
Malvern ...									Torquay ...		-	-					
Ross-on-Wye ...	3.7	-	-	75	54	bc	bc.y	5.7	Paignton ...		-	-	73	58	c	bc	9.9
									Penzance ...	0.0	1	-	70	56	bc	bc	7.5
Wales.									Newquay ...								
Rhyl ...									Bude ...								
Colwyn Bay ...									Ilfracombe ...								
Llandudno ...	*	*	*	67	58	c.b	c	6.0	Weston-s-Mare ...		*	*					
Aberystwyth ...	*	*	*	65	59	r.o.c	bc.c	5.5									

REPORTS FROM FOREIGN STATIONS FOR SUNDAY, 28th JULY.

STATIONS.		EVENING OF 27 <sup>TH</sup>					MORNING OF 28 <sup>TH</sup>										MORNING OF 28 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER		TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dirac.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours. ° F.	Dirac.	Force 0-12.	
RUSSIA 7 a.m. and 9 p.m. Local Time.		° F.					†	° F.	° F.						° F.	° F.			° F.	° F.			
	Archangel ...	1007.5	46	NE	3	0									*	*							
	Gorki ...	1012.3	56	-	0	0									*	*							
	Velieki Luki ...						1010.0		55		N	1	0	2	*	48							b
	Hangö ...	1010.9	60	-	0	b	1010.4	-1	61	+7	-	0	0	-	*	50							0
	Riga ...	1013.5	58	-	0	b	1010.7	-2	57	-6	-	0	bc	-	*	52							0
	Petrograd ...	1023.7	58	S	1	C	1006.4	0	54	0	NNW	2	0	1	61	52							0
	Moscow ...	1005.9	56	WSW	2	0	1004.2	+1	48	0	WNW	2	0	1	*	46							0
	Kiev ...						1012.7	+1	55	-2	NW	3	0	2	*	52							b
	Kharkov ...						1012.1				NNW	3	0		*								
	Kishinev ...						1015.8	0	57		NW	2	bc	-	*	52							
	Elisabetgrad ...														*								
	Nicolaiev ...						1015.4	*	59		N	2	0	-	*	55							
	Odessa ...						1017.0	*	61		NNW	3	b	-	*	55							
	Tarkhankout...						1016.8	*	66		NNW	2	b	-	*	57							
	Soukhom ...						1012.4		64	+3	-	0	0	-	*	59							
MEDITERRANEAN.																							
	Venice ...	1018.6	79	-	0	b	1019.8	*	75	+2	-	0	m	-	84	68							
	Pesaro ...	1019.0	75	-	0	b	1020.3	*	72	-1	-	0	b	-	82	64							
	Rome ...	1018.1	73	-	0	b	1019.8	*	73	0	N	2	b	5	89	64							
	Viesti ...	1017.7	77	NW	4	b	1019.0	*	77	0	NW	4	b	-	83	73							
	Brindisi ...	1014.9	73	W	2	0	1015.5	*	75	0	NW	3	b	-	75	70							
	Cagliari ...						1018.5	*	72	+2	NW	3	b	-	86	66							
	Palermo ...	1016.1	77	-	0	b	1019.4	*	82	+3	-	0	b	-	84	64							
	Tripoli ...	1018.6	81	-	0	b	1020.3	*	82	+3	NNE	1	b	-	86	66							
	Algiers ...	1016.3	77	NNE	2	bc	1017.9	+2	77	+2	NNW	2	b	-	81	79							
SWEDEN.																							
	Hernösand ...	1008.2	61	S	2	b	1004.6	*	61	0	-	0	r	*	*	*							
	Stockholm ...	1010.6	64	S	2	0	1007.0	*	63	-3	WSW	2	0	*	*	*							
	Wisby ...	1012.2	66	S	2	b	1009.2	*	64	-2	W	2	c	*	*	*							

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM				
29 <sup>TH</sup> AND 30 <sup>TH</sup> JULY 1917.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	{	4.7 4.8	11.59 11.59	7.50 7.49
Greenwich ...	{	4.20 4.21	12.6 12.6	7.52 7.51
Wick ...	{	3.57 3.59	12.18 12.18	8.39 8.34
Valencia ...	{	4.58 4.59	12.47 12.47	8.37 8.36

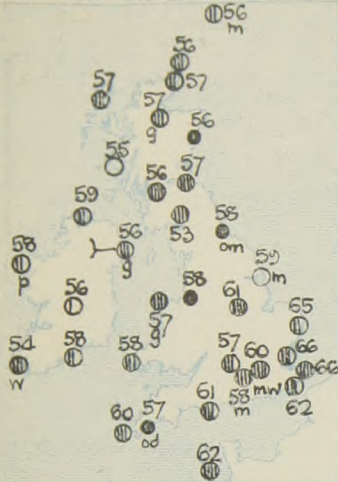
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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# THE MORNING OF SUNDAY, 29<sup>TH</sup> JULY, 1917.

TEMPERATURE, WEATHER AND  
SEA DISTURBANCE.



FORECAST DISTRICTS.



## EXPLANATION.

**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**WIND.**—Direction is shown by arrows flying with the wind.

Force, on the scale 0-12, is indicated by the number of feathers. Calm.

**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

**WEATHER.**—Shown by the following symbols:—

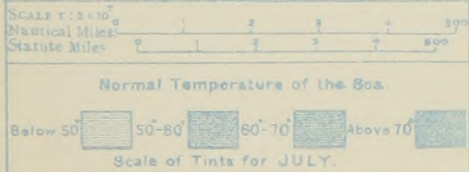
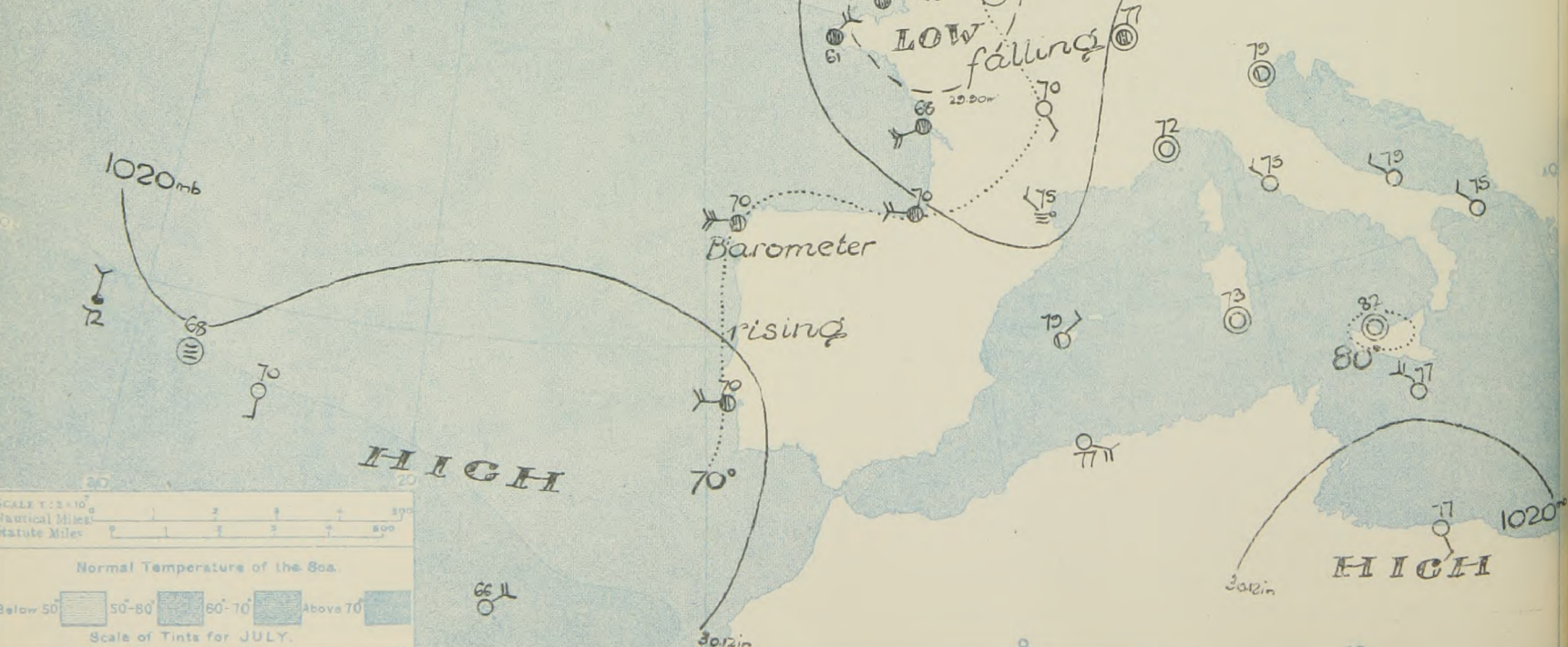
○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded.

○ sky 1/2 clouded. ○ overcast sky. ● rain falling.

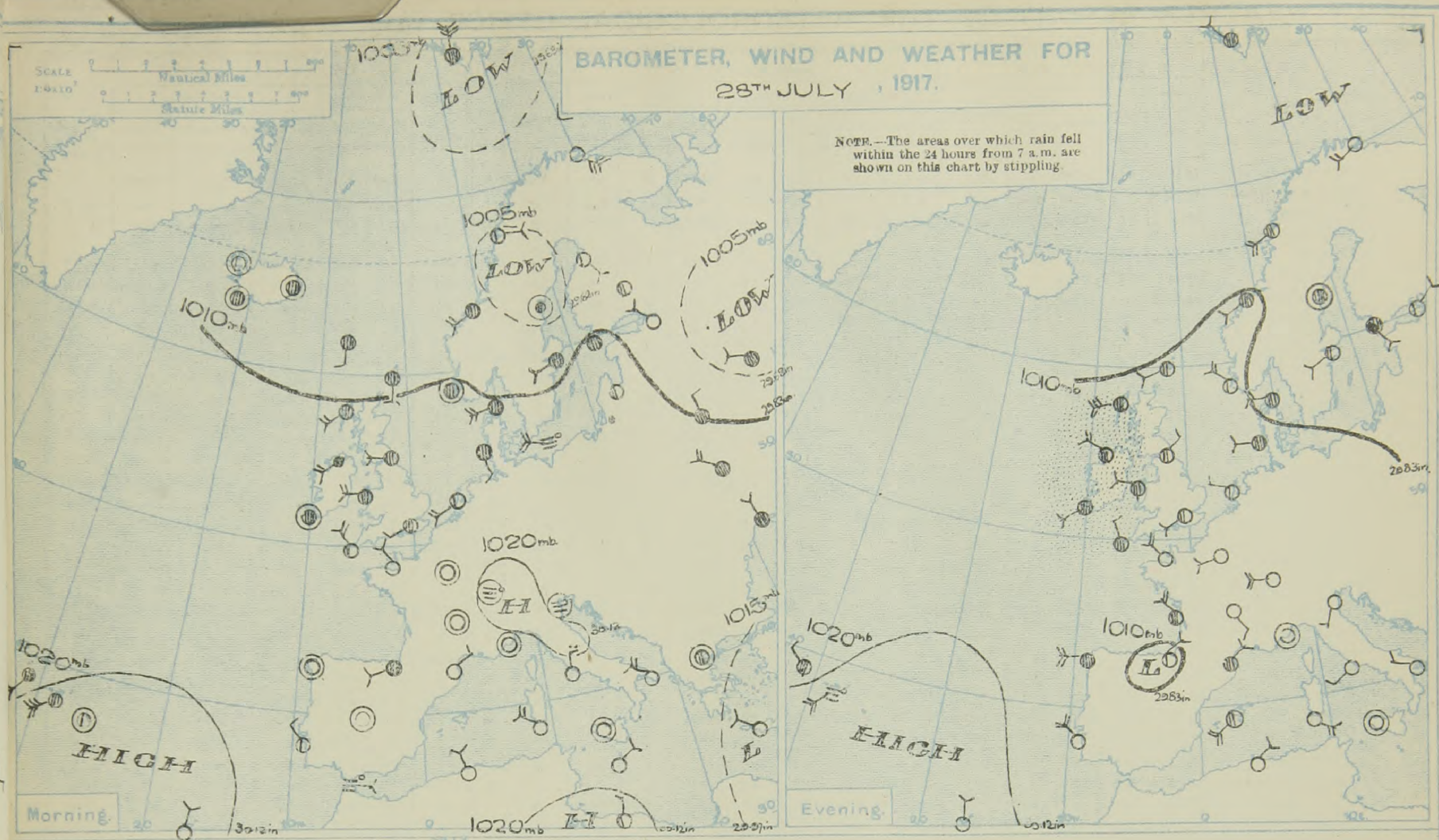
\* snow. ▲ hail. ≡ fog. ≡ mist. T. thunder.

TS, thunderstorm.

**SEA DISTURBANCE.**—Rough. High.



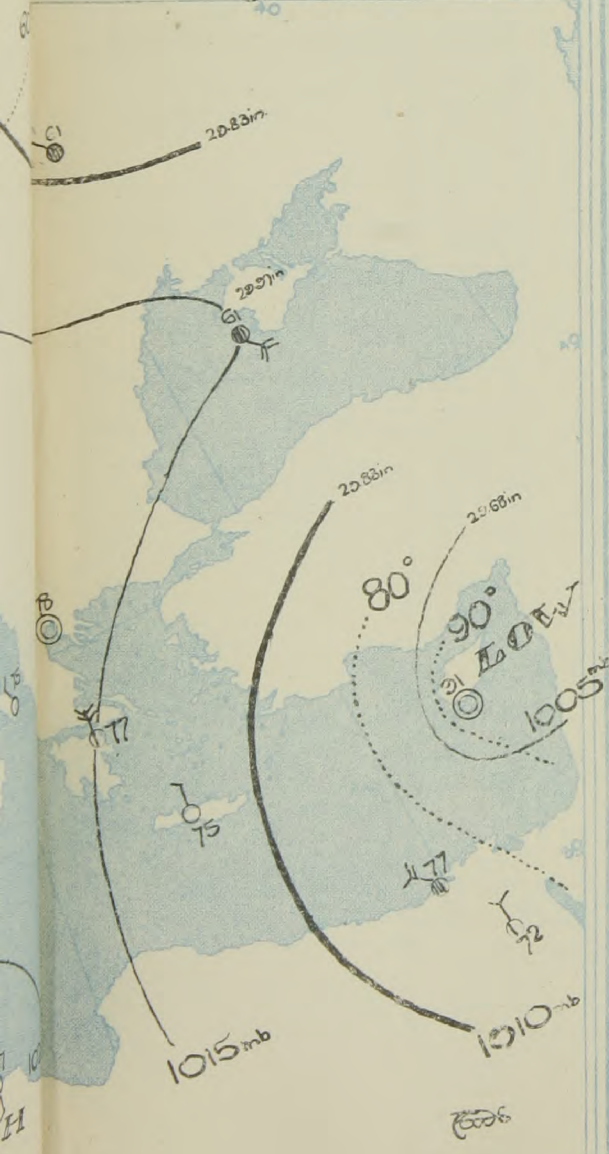




### The Present Situation

The anticyclone lying out over the lower Atlantic is expanding towards our Western coasts and the Bay of Biscay, but an irregularly shaped and very shallow depression has been developed over Southern England and Northern France, attended by thundery weather south of the Channel. Over the British Isles generally there has been a marked increase of cloud, with rain or showers at various northern and western stations. Calms and light variable breezes prevail extensively.

An anticyclone of moderate intensity embraces the whole of South-Eastern Europe, from Switzerland to the Black Sea, while a shallow depression covers apparently the whole of Russia and Sweden. Another depression is indicated over the sea between Iceland and Norway. Nearly all regions report calms or light breezes, and fair to fine weather, except along the north of Iceland, where there is a good deal of fog.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No 210 (29th July, Sunday)

STATIONS.	EVENING OF 28th					MORNING OF 29th										24 HOURS ENDED 7 A.M.					Sun- shine for 28th Hours.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
			Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1011.0	60	WSW	2	bc	1011.7	0	56	+1	WSW	2	bc	2	—	63	52	o.c.	bc	bc	6.7
	Deerness (Orkney)	1012.8	59	WSW	2	bc	1012.8	—	56	—	SW	2	SW	c	1	65	53	c	c.be	c	9.0
	Stornoway	1012.7	61	WSW	5	cq.	1013.4	0	57	0	WSW	1	—	c	0	66	53	c.beq	bcq	cp	5.7
	Castlebay (Barra Isd.)	1014.9	59	W	2	o	1014.0	0	56	—	W	1	—	o	0.4	66	54	c.be.c	c.o	op.c	4.9
	Glasgow	1014.7	61	WNW	3	o	1014.2	0	53	—	—	0	—	o	0.1	67	49	bc	o	o.op.o	1.6
	Eska Dalemuir	1015.3	60	WNW	3	c	1015.0	+1	59	+3	W	2	W	bc	2	63	55	bc	c	bc	0.7
	Malin Head	1015.7	61	W	3	bc	1015.3	0	58	0	W	1	—	bc	1	62	54	c	bc	bc	1.3
	Blacksod Point	1017.6	58	SW	2	o	1017.2	0	54	—	—	0	W	cw	3	62	47	o.c.o	o	o.c.be	4.6
	Valencia (Cahirveen)	1017.6	58	SW	2	o	1017.2	0	54	—	—	0	W	cw	3	62	47	o.c.o	o	o.c.be	5.2
	Roche's Point	1017.6	60	W	2	r	1016.7	—	58	+1	WNW	2	NW	bc	2	64	56	bc.o	ogr	o.be	7.5
	Birr Castle	1016.6	61	SW	1	o	1017.3	—	56	0	NW	1	—	b	—	63	52	c.o	o	c.b	7.7
	Donaghadee	1014.8	60	W	1	cnp	1014.3	0	56	—	W	2	W	cg	1	64	54	cm	cm	omr.cq	12.1
	Liverpool (Bidston)	1015.9	62	WNW	1	o	1014.2	—	58	—	WNW	1	W	r	2	66	56	o.be	bc	or	7.9
	Holyhead	1015.8	61	WNW	2	cy	1014.8	0	57	—	NW	3	—	cg	1	66	55	o.be.c	c.be.c	op.c	7.6
	Pembroke (St. Ann's)	1016.9	61	WSW	1	bc	1014.9	—	58	—	NNE	1	NE	c	1	64	55	bc	bc	cp.c	11.3
	Silly (St. Mary's)	1017.7	63	NNW	1	c	1015.6	0	60	+1	—	0	NW	bc	3	66	57	bc.c	c	ovp.be	11.9
	Falmouth	1016.1	63	NNW	3	bc	1014.1	—	57	—	N.	2	—	od	Trace	71	57	b.be.c	c.be.c	bc.o.d	7.3
	Jersey (St. Aubin)	1016.2	69	NW	3	b	1012.2	—	62	—	NW	3	—	o	0.1	72	59	b.be.b	b	bc.op.o	7.6
	Portland Bill	1016.3	63	W	1	b	1012.5	—	61	—	SW	1	—	c	2	65	59	bc	bc.b	bc.b	9.6
	Dungeness	1016.2	66	WSW	4	b	1012.0	—	62	0	NE	2	NE	c	2	69	58	bc	bc	bc	7.3
	Dover	1018.8	64	SSW	1	bz	1012.0	—	66	0	NE	1	S	o	2	73	62	o.c.o	b	bc.c.o	7.3
NORTHERN EUROPE.	Wick	1013.0	59	NNE	1	o	1013.1	0	57	+1	SSE	1	—	bc	1	60	52	o.c.omy	ompq	omp.be	5.3
	Nairn	1013.4	63	W	1	cy	1013.0	0	57	—	—	0	—	cg	1	69	52	c.be.c	c.be.c	cp	4.3
	Aberdeen	1013.6	60	S	2	o	1014.1	0	58	—	NW	1	—	r	1	67	55	o.c.be	bc.c.o	op.c.or	7.9
	Leith	1013.7	65	W	1	o	1013.5	0	57	—	W	1	—	o	1	69	56	o.be.c	c.be.c.o	o.c.o	11.3
	Tynemouth	1014.3	63	NE	1	bc	1013.8	0	58	—	NW	1	—	omr	2	65	57	bc	bc	om	11.9
	Spurn Head	1015.4	63	ESE	4	bc	1012.8	—	59	—	NNW	3	—	om	3	71	59	eq	bcq	cm	7.6
	Yarmouth (Gorleston)	1016.3	66	SSE	2	bc	1013.3	—	65	+2	S	3	—	bc	3	75	60	b.be	bc	bc	7.5
	Clacton-on-Sea	1015.2	68	SSE	3	bc	1012.9	—	66	+2	SE	2	—	c	2	74	63	bcz	bcz	o.cwcz	7.3
	Nottingham	1014.9	71	W	1	bc	1013.2	—	61	+1	NE	1	SW	o	—	75	58	c.be	bc	bc.c	7.6
	Benson (Oxon.)	1014.8	71	W	1	c	1012.0	—	57	—	—	0	SW	c	—	76	59	bc	bc	o.b	7.5
Sth Farnborough	1014.7	74	SW	1	bc	1012.3	—	58	—	—	0	—	o	—	78	50	o.c	c.be	bc.bomw	7.3	
London (Kew Obsy.)	1015.0	76	SW	2	bc	1012.6	—	60	—	SSW	1	—	omw	—	78	56	c.o.c	c.be.c.be	c.bomw	7.3	
FRANCE, &c.	Spitsbergen	1006.6	34	WNW	2	o	1010.9	+2	34	—	SE	3	—	o	—	39	32	—	—	—	—
	Vardö	1007.8	50	SW	3	b	1010.0	+2	50	—	NW	4	—	o	4	54	45	—	—	—	—
	Bodö	1009.0	55	SW	4	e	1011.9	0	54	—	SW	3	—	c	2	57	52	—	—	—	—
	Christiansund	1011.5	55	SW	2	o	1012.3	+1	59	+4	SW	1	—	b	2	66	52	—	—	—	—
	Skudesnaes	1011.9	59	NW	2	b	1012.4	0	59	0	NNW	3	—	bc	1	66	54	—	—	—	—
	Færder (X'ania Fjord)	1007.5	64	SW	4	b	1009.5	+1	63	0	NNW	1	W	b	1	64	61	—	—	—	—
	The Scaw (Skagen)	1011.3	64	W	3	c	1010.4	+2	66	+3	W	2	—	b	2	68	55	—	—	—	—
	Blaavands Huk	1012.4	61	W	2	o	1014.3	?	63	+2	N	1	—	c	2	68	57	—	—	—	—
	Copenhagen	1011.8	68	NE	1	c	1012.0	+1	66	+3	NW	1	—	o	—	73	63	—	—	—	—
	Bornholm	1012.6	64	SW	3	m	1012.0	0	64	+1	W	2	—	m	0	66	59	—	—	—	—
SOUTHERN STATIONS.	The Helder	1015.8	66	WNW	1	b	1014.0	—	57	—	SSE	1	W	b	1	66	57	—	—	—	—
	C. Gris Nez	1016.2	67	—	0	b	1012.0	—	64	0	NE	1	—	o	0	75	59	—	—	—	—
	La Hève	1016.2	68	N	4	b	1013.3	—	62	0	ENE	3	—	clr	2	81	57	—	—	—	—
	Brest (St. Mathieu)	1017.0	66	N	3	b	1013.6	—	61	—	NE	3	—	o	2	70	59	—	—	—	—
	Roche fort (Ile d'Aix)	1013.7	73	NW	3	c	1013.0	+1	68	WSW	4	—	—	o	—	79	66	—	—	—	—
	Biarritz	1009.6	82	ENE	2	b	1015.1	+1	70	0	W	3	—	o	2	84	68	—	—	—	—
	Paris	1013.7	81	WNW	2	bc	1010.6	—	72	0	—	0	SW	c	Trace	90	64	—	—	—	—
	Belfort	1016.6	80	W	4	b	1015.1	—	77	+9	—	0	—	c	—	88	63	—	—	—	—
	Lyons	1015.3	82	SSE	1	b	1014.6	—	70	+2	SSE	1	—	c	—	91	64	—	—	—	—
	Nice	1018.1	77	—	0	b	1019.8	+1	72	—	—	0	—	bc	0	86	64	—	—	—	—
Perpignan	1017.2	75	NE	2	c	1014.4	+1	75	+3	NW	1	—	m	—	84	68	—	—	—	—	
Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LONDON OBSERVATIONS.	Corunna	1017.7	68	W	4	o	1018.4	+2	70	+4	WSW	5	W	c	1	72	64	—	—	—	—
	Madrid	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Lisbon	1019.8	73	NNW	5	b	1020.2	+1	70	+4	W	2	—	o	5	77	66	—	—	—	—
	Azores (Horta)	1020.6	*	SSW	5	m	1021.3	+1	68	—	—	0	—	f	1	75	68	—	—	—	—
	Madeira	1021.6	75	N	2	c	1022.7	0	66	+2	NE	2	—	b	2	75	64	—	—	—	—
	Gibraltar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Malta	*	*	*	*	*	1019.0	?	77	0	NNW	2	—	b	1	82	73	—	—	—	—
	Limassol	*	*	*	*	*	1004.2	0	91	+3	—	0	—	b	2	97	66	—	—	—	—
	Alexandria	1009.5	77	N	4	b	1008.4	+1	77	—	NW	3	NW	c	2	84	73	—	—	—	—
	Cairo (Helwan)	1007.8	84	N	3	b	1008.8	+1	72	—											



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON SUNDAY, 29<sup>TH</sup> JULY 1917.

Maximum temperatures were over 70° in the South-East of England. There was much thunderstorm activity in the morning and afternoon. Towards evening the wind became Northerly over the country generally and there was a considerable fall of temperature, especially in the South-East. In Ireland there was much bright sunshine.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR SUNDAY, 29<sup>TH</sup> JULY UP TO 17 H.

STATIONS.	Sun- shine for 28 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 29 <sup>TH</sup>		STATIONS.	Sun- shine for 28 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 29 <sup>TH</sup>
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.					Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.			Hr.				Mm.	Mm.	° F.	° F.			Hr.
Scotland.										Lowestoft ...								
Banff ...										Felixstowe ...	11.7	-	4	66	62	or	c	2.6
Montrose ...	5.8	5	-	66	54	bc	bc	1.0		Walton-on-Naze ...								
St. Andrews ...		*	*	63	56	cp	cr	1.3		Southend-on-Sea ...	9.1	-	2	75	56	or	o.c	1.3
Carnoustie ...	*	*	*															
Eng. N.E.										Margate ...	*	*	*	71	60	or tb	c. bc. c	2.1
Harrogate ...	9.5	1	7	61	55	cp	or	0.0		Hastings ...		4	5	63	57	tbl	bc. or	0.3
Skegness ...	*	-	-	?	59	o	o	0.3		Eastbourne ...	11.7	4	2	66	55	or	or	0.2
Eng. N.W.										Seaford ...								
Morecambe ...										Brighton ...								
Southport ...	8.0	1	-	63	58	o	o	0.4		Worthing ...		-	1	70	53	c. bc	bc. r. c	1.5
Midlands.										Littlehampton ...								
Leamington Spa ...										Bognor ...								
Malvern ...										Bournemouth ...	11.4	-	1	70	53	c	or	1.7
Ross-on-Wye ...																		
Wales.										Weymouth ...								
Rhyl ...	5.1	1	-	62	56	cp o	c. bc	1.2		Torquay ...								
Colwyn Bay ...	*	*	*	63	56	c	bc	1.6		Paignton ...								
Llandudno ...	*	*	*	62	52	c	bc	3.0		Penzance ...								
Aberystwyth ...	*	*	*	63	57	or. c	b. bc	5.0		Newquay ...		2	-	63	55	bc. b	b	6.0
										Bude ...								
										Ilfracombe ...								
										Weston-s-Mare ...								

REPORTS FROM FOREIGN STATIONS FOR SUNDAY, 29<sup>TH</sup> JULY

STATIONS.		EVENING OF 28 <sup>TH</sup>					MORNING OF 29 <sup>TH</sup>										MORNING OF 29 <sup>TH</sup>								
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.			
RUSSIA 7 a.m. and 9 p.m. Local Time.		° F.						° F.	° F.						° F.	° F.			° F.	° F.					
Archangel ...	1005.0	55	?	2	o										*	*									
Gorki ...	1004.7	61	-	0	o										*	*									
Velieki Luki ...	1007.4	54	-	0	o										*	*									
Hangö ...	1008.2	63	SSW	2	o	1007.3	*	54	-2	SSE	1	o	1	*	48	?							f		
Riga ...	1008.3	63	W	2	o	1008.2	+1	59	-2	-	0	o	-	*	*								o		
Petrograd ...	1007.5	54	ENE	2	b	1008.3	0	48	-9	WNW	1	b	1	*	*								bc		
Moscow ...	1004.4	48	N	2	b	1008.0	+1	54	0	ESE	1	o	-	63	52								f		
Kiev ...	1010.4	61	-	0	b	1008.0	+1	50	+2	N	2	o	2	*	46								o		
Kharkov ...						1009.1	-2	61	+6	NW	2	o	-	*	55										
Kishinev ...														*	*										
Elisabetgrad ...														*	*										
Nicolaiev ...							*							*	*										
Odessa ...	1014.3	72	WNW	3	b									*	*										
Tarkhankout...	1009.3	59	NE	1	bc		*							*	*										
Soukhom ...	1013.5	66	NNE	2	bc									*	*										
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																									
30 <sup>TH</sup> AND 31 <sup>ST</sup> JULY 1917.																									
																		Sunrise.	Noon.	Sunset.					
																		G.M.T.	G.M.T.	G.M.T.					
Yarmouth ...		...		{		4.8		11.59		7.49															
Greenwich ...		...		{		4.21		12.6		7.51															
Wick ...		...		{		3.59		12.18		8.37															
Valencia ...		...		{		4.1		12.18		8.35															
Hernösand ...		...		{		4.59		12.47		8.36															
Stockholm ...		...		{		5.1		12.47		8.33															
Wisby ...		...		{																					

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

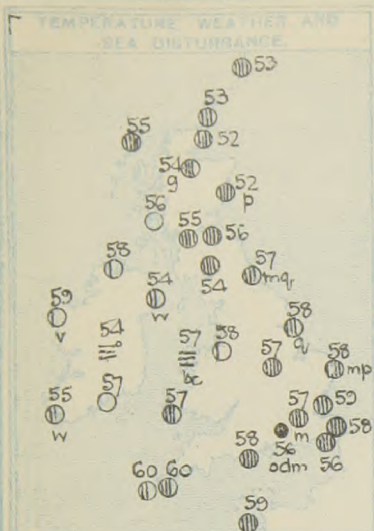
30 <sup>TH</sup> AND 31 <sup>ST</sup> JULY 1917.			Sunrise.	Noon.	Sunset.
			G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	...	4.8 4.10	11.59 11.59	7.49 7.47
Greenwich ...	...	...	4.21 4.23	12.6 12.6	7.51 7.49
Wick ...	...	...	3.59 4.1	12.18 12.18	8.37 8.35
Valencia ...	...	...	4.59 5.1	12.47 12.47	8.36 8.33

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

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# THE MORNING OF MONDAY, 30<sup>TH</sup> JULY, 1917.



## EXPLANATION.

**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**WIND.**—Direction is shown by arrows flying with the wind.

Force, on the scale 0-12, is indicated by the number of feathers.

**TEMPERATURE.**—Given in degrees Fahrenheit.

Isotherms shown by dotted lines.

**WEATHER.**—Shown by the following symbols:—

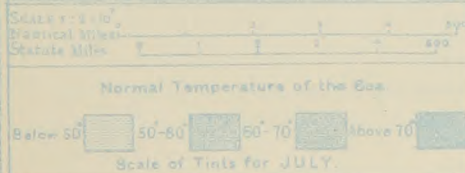
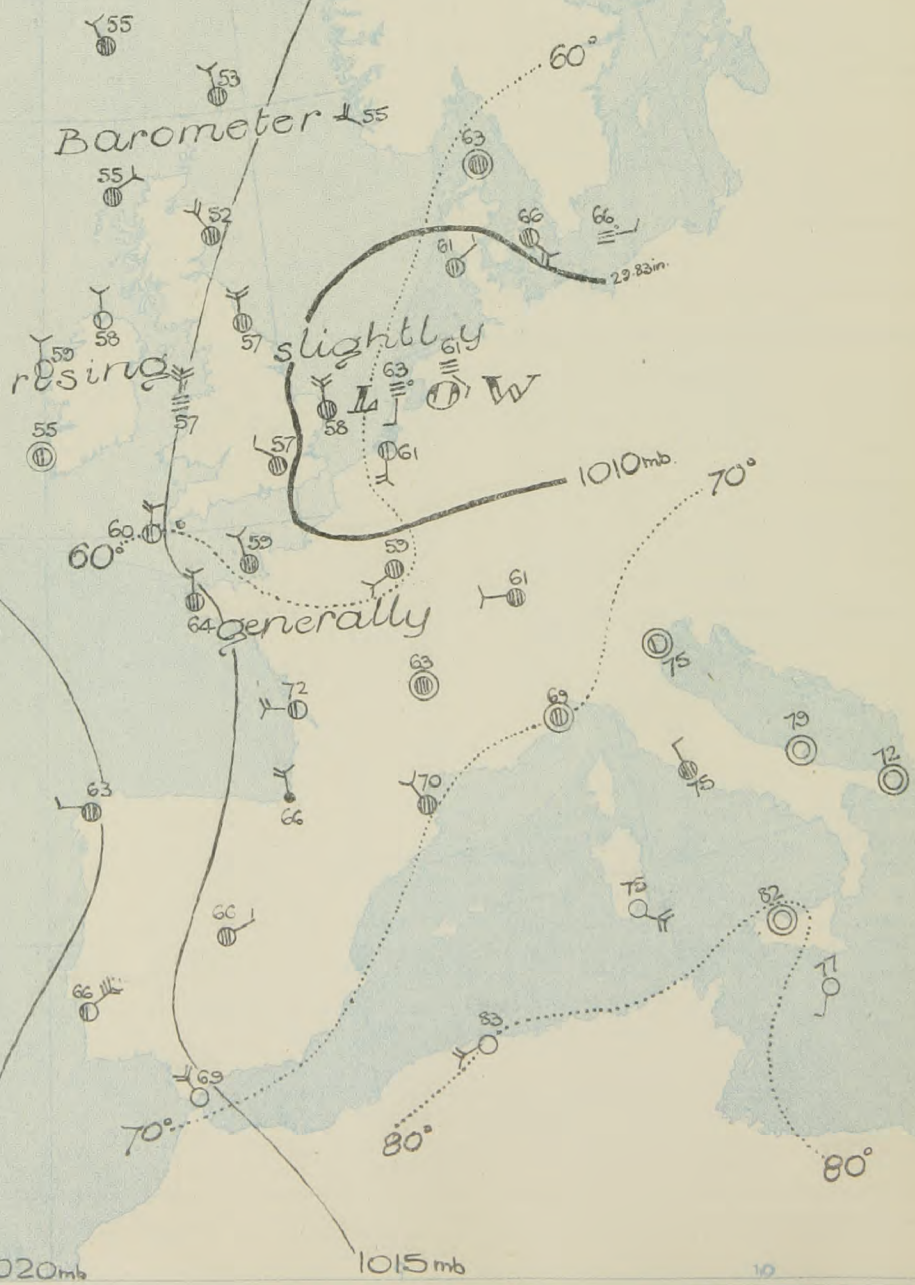
○ clear sky. ○ sky & clouded. ○ sky & clouded.

○ sky & clouded. ○ overcast sky. ● rain falling.

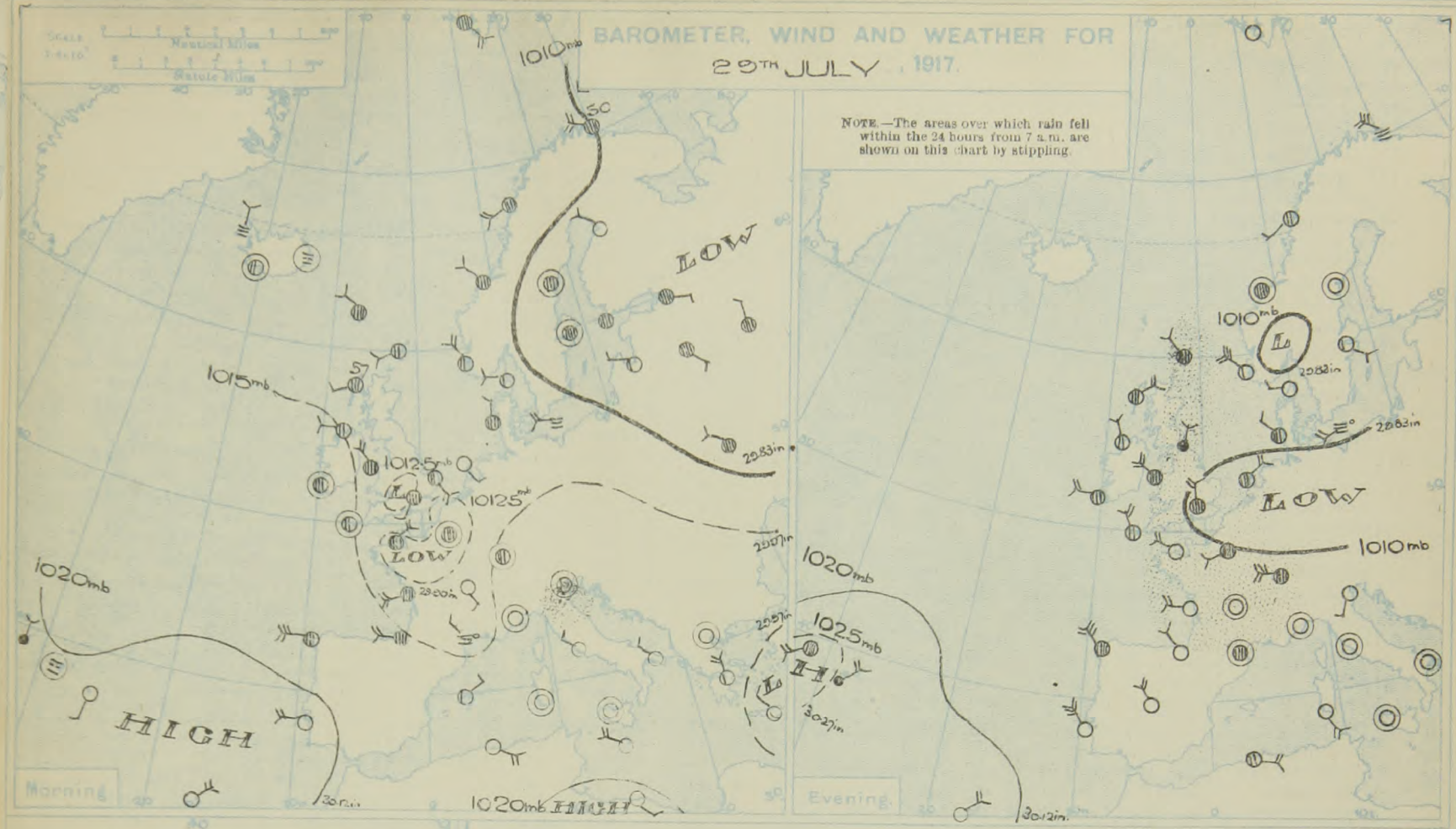
\* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.

Ts, thunderstorm.

**SEA DISTURBANCE.**—Rough ~~~~~ High ~~~~~





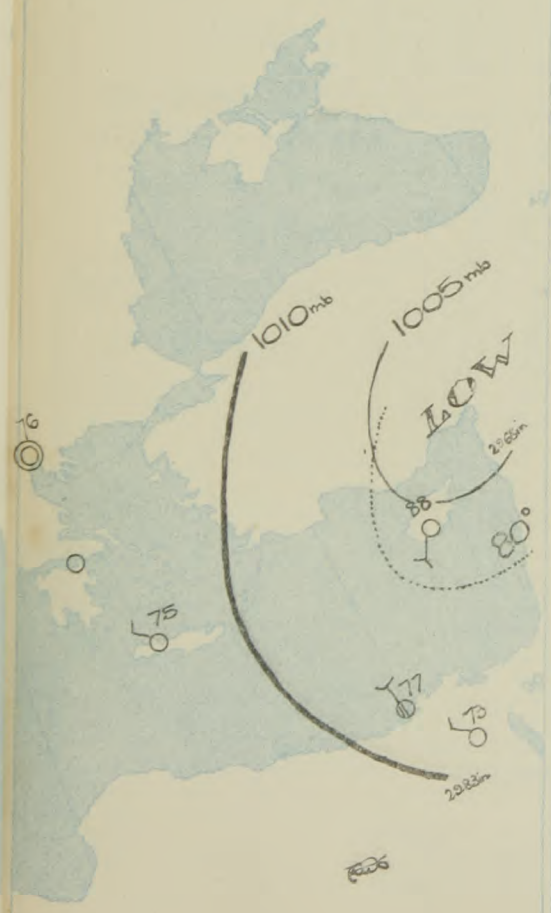


### The Present Situation

The depression which lay over the English Channel yesterday is now approaching the Dutch coast. A northerly current of wind prevails over the whole of the British Isles, and blows with the force of a fresh breeze at Spurn Head and Holyhead. Temperature has changed little during the past twenty-four hours in Ireland, but in England and Scotland there has been a considerable fall. The weather over Great Britain is cloudy with local showers, in Ireland it remains fine and bright.

### The Outlook

A temporary improvement in the weather is likely to take place. There is at present no sign of any disturbance, but the further outlook is very uncertain.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917 No. 211 (Monday 30th July)

STATIONS.	EVENING OF 29th					MORNING OF 30th										24 HOURS ENDED 7 A.M.					Sun- shine for 29th Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	°F.	°F.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	1012.3	57	NW	2	0	1016.1	+1	53	-3	NNW	2	-	0	2	0.2	61	51	bc	bc	o	*
	Deerness (Orkney) ...	1014.5	58	N	3	bc	1016.9	*	53	-3	NW	4	NW	c	2	-	65	51	c	c.bc	c	6.7
	Stornoway ...	1015.1	59	ENE	3	c	1019.1	+1	55	-2	NE	2	-	o	1	1	64	52			c.o	4.3
	Castlebay (Barraisd.) ...																					
	Glasgow ...	1013.8	63	E	1	c	1016.7	+3	56	-1	E	1	-	o	*	-	67	53	o	cut.c	c.o	2.9
	Eskdalemuir ...	1012.8	59	N	3	c	1015.7	+2	54	+1	NNE	4	-	o	*	3	61	47	o.op	om.o.c	c.bc	0.3
	Malin Head ...	1016.0	62	NNW	2	bc	1017.7	?	58	-1	N	2	N	b	2	-	62	56	bc	bc	bc	14.2
	Blacksod Point ...	1016.0	60	W	3	cv	1018.5	+2	59	+1	N	2	-	bv	1	-	63	54	bc	bc	cv.bv	*
	Valencia (Cabirciveen) ...	1017.2	62	WNW	3	c	1018.5	+2	55	+1	-	0	NE	bcw	2	-	64	49	c	bc.c	c.bc.bv	11.0
	Roche's Point ...	1016.2	66	NNW	3	c	1017.4	*	57	-1	NNW	2	-	b	2	0.4	68	54	cp	cp.c	c.b	*
	Birr Castle ...	1016.5	60	W	1	c	1018.9	*	54	-2	NW	1	-	m	*	2	68	48	bc.c	cpt	cpz	9.3
	Donaghadee ...	1013.7	59	N	4	bc	1016.0	+2	54	-2	N	3	N	bc	3	Trace	62	53	bcm	bc	bc.bcm	*
	Liverpool (Bldston) ...	1012.6	60	W	3	bc	1014.1	+1	58	0	N	2	-	b	2	1	62	55	d.o	o.c	b	1.7
	Holyhead ...	1013.9	60	NW	4	c	1013.2	+1	57	0	N	5	2	bef	4	Trace	62	55	o.c.bc	bc.c	bc.bw	6.4
	Pembroke (St. Ann's) ...	1015.0	58	WNW	3	c	1015.7	+3	57	-1	N	3	2	c	2	-	63	49	c.bc	bc.c	c.bc.c	8.5
NORTHERN EUROPE.	Scilly (St. Mary's) ...	1016.3	61	NNW	3	bc	1015.1	+1	60	0	N	3	N	bc	4	-	66	57	c	c.bc	bc.c.bc	8.2
	Falmouth ...	1014.5	62	NNW	4	bc	1014.8	+1	60	+3	NNW	3	N	c	*	Trace	67	56	oc.bcq	bcq.cq	bc.c	5.1
	Jersey (St. Aubin) ...	1013.1	63	WNW	3	c	1012.9	*	59	-3	NW	2	-	o	2	1	66	58	op.o	o.b.bc.c	c.o	4.3
	Portland Bill ...	1012.0	63	WNW	1	c	1012.1	0	58	-3	NNW	3	N	o	3	4	68	57	e.or	or.c	e.or	*
	Dungeness ...	1008.1	63	NE	1	c	1009.4	+1	56	-6	N	3	NW	o	2	22	67	56	otlr.o	otlr.c	or.c.o	*
	Dover ...	1011.7	63	SW	2	o	1009.7	+2	58	-8	NW	3	NW	o	3	20	69	56	otlr.c	bc.opr	opr	2.5
	Wick ...	1014.4	56	NE	1	c	1017.3	+3	52	-5	N	2	N	o	2	1	61	50	bc.omp	omp.c	c.omp	*
	Nairn ...	1014.0	59	E	1	c	1017.7	*	54	-3	NE	1	-	cg	2	0.4	67	53	c.bc.c.c	cp	cg	5.2
	Aberdeen ...	1013.7	60	NE	1	c	1016.5	+2	52	-4	NW	3	-	op	2	1	63	51	or.o	o.c	bc.b.o	1.2
	Leith ...	1012.8	62	E	1	c	1014.8	+1	56	-1	NE	2	-	o	3	-	64	54	o.cu.c	cu.c.c	c.bc.o	*
	Tynemouth ...	1012.5	57	NNE	1	omr	1013.4	+1	57	-1	N	4	2	cmq	4	2	60	54	omd	omp	cmq	*
	Spurn Head ...	1011.3	57	NNE	4	ogr	1010.3	0	58	-1	NNW	5	-	cg	4	2	61	56	og	orq	or	0.0
	Yarmouth (Gorleston) ...	1009.9	63	ENE	3	bc	1008.9	+1	58	-7	N	4	-	omp	3	7	67	58	bc.omp	bc.omp	bc.omp	4.6
	Clacton-on-Sea ...	1009.1	65	ENE	2	c	1009.5	0	59	-7	NW	3	W	c	2	17	68	57	c.ort.c	cg	c.ogpe	3.3
	Nottingham ...	1011.7	60	N	1	o	1011.8	*	57	-4	N	3	N	o	*	1	65	55	o	or	o	0.0
Benson (Oxon.) ...	1010.7	57	N	1	r	1011.0	+2	56	-1	NW	2	-	m	*	12	72	55	c	otr.r	adm	*	
Sth Farnborough ...	1009.6	58	NNW	2	r	1011.0	+1	56	-2	NW	2	-	adm	*	6	74	55	om.c.o	otlr.m	radm	1.8	
London (Kew Obs.) ...	1009.9	60	N	3	o	1011.2	+1	57	-3	NW	1	-	om	*	10	72	56	omw.oz	oz.oplr.or	pr.o.or.om	1.3	
FRANCE, &c.	Spitsbergen ...																					
	Vardö ...	1013.9	46	NW	5	f	1016.7	+3	46	-4	NW	5	-	f	3	*	50	45				
	Bodö ...	1014.1	57	SW	1	bc	1015.4	0	57	+3	-	0	-	bc	1	-	55	50				
	Christiansund ...	1013.5	57	-	0	o	1013.3	0	57	-2	-	0	-	o	2	3	63	54				
	Skudesnaes ...	1011.8	59	NW	5	b	1011.4	+1	55	-4	NW	4	-	r	2	-	59	54				
	Færder (X'ania Fjord) ...	1009.7	63	SSW	4	b	1011.0	+1	61	-2	E	2	-	o	2	-	66	61				
	The Scaw (Skagen) ...	1012.2	66	W	1	b	1010.6	+1	63	-3	-	0	-	o	0	-	70	65				
	Blaavands Huk ...	1012.2	63	NW	1	c	1009.3	?	61	-2	NE	2	SW	c	*	-	68	54				
	Copenhagen ...	1011.9	66	-	0	b	1010.9	0	66	0	SE	3	-	c	*	-	70	61				
	Bornholm ...	1011.9	64	WSW	3	m	1012.0	+1	66	+2	E	1	-	m	0	-	68	59				
SOUTHERN STATIONS.	The Helder ...	1009.0	68	NE	3	c	1006.3	0	63	+6	S	1	-	m	1	1	72	57				
	C. Gris Nez ...	1007.7	62	SE	1	r	1009.6	+2	59	-5	NW	4	*	o	4	18	70	57				
	La Hève ...	1011.3	61	WNW	4	o	1012.3	*	59	-4	NNW	4	*	b	4	10	66	55				
	Brest (St. Mathieu) ...	1015.8	64	N	3	c	1015.9	-1	60	-1	NW	2	*	o	2	1	68	55				
	Roche fort (Ile d'Az) ...	1014.1	72	W	3	bc	1013.2	+1	62	-6	N	3	*	o	*	5	79	61				
	Biarritz ...	1015.9	72	NW	2	o	1013.5	+1	66	-4	NNW	3	*	r	3	21	77	63				
	Paris ...	1010.3	68	SW	2	o	1011.5	+1	59	-13	SW	2	-	o	*	5	79	55				
	Belfort ...	1010.7	77	W	5	o	1012.7	*	61	-16	W	2	*	o	*	53	90	61				
	Lyons ...	1010.7	78	S	2	r	1011.9	*	63	-7	T	0	*	o	*	42	86	61				
	Nice ...	1015.0	72	-	0	b	1013.3	-1	69	-3	-	0	*	c	0	Trace	84	63				
Perpignan ...	1012.3	75	-	0	o	1012.8	+2	70	-5	NW	2	-	o	*	9	90	64					
Sanguinaire ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
LONDON OBSERVATIONS.	Corunna ...	1019.8	66	NW	5	o	1020.7	0	63	-7	W	1	SE	o	1	1	72	61				
	Madrid ...	1012.7	79	NW	3	o	1014.4	+1	66	-4	ENE	5	-	bc	5	-	82	59				
	Lisbon ...	1020.2	72	NNW	5	b	1019.3	+1	66	-4	ENE	5	-	bc	5	-	79	64				
	Azores (Horta) ...	1023.0	*	NE	3	r	1023.7	0	70	+2	-	0	*	o	1	2	75	70				
	Madeira ...	1023.0	73	NE	2	b	1021.9	-1	66	0	NE	2	-	b	2	-	73	66				
	Gibraltar ...	1016.9	77	NW	5	b	1015.6	*	69	0	NW	4	*	b	3	-	88	69				
	Malta ...	*	*	*	*	*	1014.9	+1	77	0	SW	1	-	b	0	-	88	72				
	Limassol ...	*	*	*	*	*	1005.1	+1	88	-3	SW	2	-	b	0	-	95	64				
	Alexandria ...	1008.3	75	N	2	bc	1008.8	+1	77	0	NNW	2	N	bc	2	-	86	73				
	Cairo (Helwan) ...	1006.6	86	N	3	b	1007.9	+2	73	-1	NW	1	-	b	*	-	93	70				
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for 29th Hours.	24 HOURS ENDED 9 h. 30th					SOUTH KENSINGTON.												
15 h.	9 h.	TEMPERATURE.			Rain- fall.	WEATHER.		Vertical Component of Solar Radiation per square Centimetre during 29th														
GREENWICH (Royal Observatory)	74	84	1.4	74	55	55	4	0	o.or.o	o.or.o	Total.	Average Rate.	Max. Rate.									
CITY (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	*	Joules.	Milliwatts.	Milliwatts.									
WESTMINSTER (St. James's Park)	73	84	1.1	73	57	56	4	om	ou	otlr	830	14.8	57									
CAMDEN SQ. (British Rainfall)	-	80	1.5	77	57	57	5	-	-	*	The thermometers at Greenwich and Camden Square are in Glaisher screens.											
HAMPSTEAD (Reservoir)	*	86	1.7	70	54	46	7	c.dlr	o	ad												
S. KENSINGTON (Museum Grounds)	*	94	0.8	73	57	55	5	oz	ort.or	o												

GALES.  
Duration and Extreme Force  
in British Islands.

Note  
A solar halo was  
observed at inter-  
vals during  
yesterday at  
South Farnboro'

\* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON MONDAY, 30<sup>TH</sup> JULY 1917.

Very heavy rain fell in the South-East of England; 35 mm. at South Farnborough and 42 mm. at Richmond (Kew Observatory). Many hours of bright sunshine were experienced in the South-West and West;—13.5 hours at Valencia. Temperature remained below 65° in most parts of England and Scotland, below 60° in places.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR MONDAY, 30<sup>TH</sup> JULY.. UP TO 17 H.

STATIONS.	Sun- shine for 29 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 30 <sup>TH</sup>	STATIONS.	Sun- shine for 29 <sup>TH</sup>	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine to 17 h. 30 <sup>TH</sup>
		Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.				Night. 17h-9h.	Day. 9h-17h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.						Mm.	Mm.	° F.	° F.			
Scotland.									England, E.								
(Oban ... ..	12.4	-	-	68	48	b	bc	6.1	(Lowestoft ... ..		9	Trace	63	58	opc	op	0.2
(Banff ... ..		Trace	-	59	52	ac. bc	bc	4.0	(Felixstowe ... ..	11.9	2	Trace	64	59	op	op	0.1
(Montrose ... ..	6.5	*	*	61	55	bc	o	2.8	(Walton-on-Naze ... ..								
(St. Andrews ... ..		-	-	61	56	b	c	4.0	(Southend-on-Sea ... ..	9.1	7	-	65	55	o.	o.	0.0
(Carnoustie ... ..	*	*	*	63	55	o	o.c										
Eng. N.E.									England, S.E.								
(Harrogate ... ..	9.5	1	Trace	60	51	opc	o.c	0.3	(Margate ... ..		3	-	65	59	o	o	0.7
(Skegness ... ..		4	-	60	54	o	o	0.0	(Hastings ... ..		9	-	64	55	or	o. bc	0.7
									(Eastbourne ... ..	11.7	3	-	64	56	o	o	0.0
									(Seaford ... ..	*	*	*	63	55	o.	o	0.0
Eng. N.W.									(Brighton ... ..								
(Morecambe ... ..		-	-	68	53			12.3	(Worthing ... ..		Trace	-	62	56	o.	o.	0.0
(Southport ... ..	9.8	-	-	68	58	c. bc	bc. c. bc	11.0	(Littlehampton ... ..								
									(Bognor ... ..								
Midlands.									(Bournemouth ... ..	11.4	3	1	62	55	or	or	0.0
(Leamington Spa ... ..																	
(Malvern ... ..									(Weymouth ... ..		*	*	64	55	od	dom	0.0
(Ross-on-Wye ... ..		1	Trace	61	50	c. bc	cpm	1.5	(Torquay ... ..		Trace	9	69	54	o.	c. obl	0.7
									(Paignton ... ..	*	*	*	67	52	p. th	o.	*
Wales.									(Penzance ... ..		-	-	68	58	bc	bc. b	11.0
(Rhyl ... ..	6.6	-	-	65	58	bc	bc. c. bc	10.1	(Newquay ... ..		-	-	63	58	b	b	10.6
(Colwyn Bay ... ..	*	*	*	65	56	bc	b	10.3	(Bude ... ..								
(Llandudno ... ..	*	*	*	64	56	c. b	b	7.5	(Ilfracombe ... ..		1	Trace	65	56	o	o	4.6
(Aberystwyth ... ..	*	*	*	67	58	c. b	bc. c	11.0	(Weston-s-Mare ... ..		-	Trace	68	51	f. bc	bc. c. t.	2.0

REPORTS FROM FOREIGN STATIONS FOR MONDAY, 30<sup>TH</sup> JULY.

STATIONS.		EVENING OF 29 <sup>TH</sup>					MORNING OF 30 <sup>TH</sup>										MORNING OF 30 <sup>TH</sup>							
		Barom. Milli- bars at M.S.L.	Temp.	Wind.		Weather.	Barometer.		Temp.		Wind.		Rain- fall. Milli- metres.	Temp.		ICELAND.	Barom. Milli- bars at M.S.L.	Temp.		Wind.		Weather.		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.	
RUSSIA 7 a.m. and 9 p.m. Local Time.		° F.					° F.	° F.						° F.	° F.			° F.	° F.					
	Archangel ...	1006.9	55	N	2	o	1008.8	+2	52	+2	NNE	2	o	-	*	52		Isafjord ...	1018.4	52	+2	-	0	o
	Gorki ...	1009.3	68	-	0	b	1012.7	+3	59		-	0	b	-	*	50		Reykjavik ...	1019.5	50	-5	E	1	b
	Velioki Luki ...	1009.9	61	-	0	o	1012.8	*	59		-	0	b	-	*	50		Vestmanna ...	1020.4	57	+2	-	0	b
	Hangö ...	?	63	WSW	?	o	1013.3		59	+2	-	0	f	-	*	57		Seydisfjord ...	1020.3	48	9	-	0	f
	Riga ...	1011.7	63	NNE	1	b	1014.1	+2	61	+2	NNE	1	o	-	*	59		Thorshavn ...	1017.8	55	+1	NW	2	o
	Petrograd ...	1009.6	61	NW	2	b	1012.0	+2	61	+1	WNW	2	b	-	64	54								
	Moscow ...	1008.3	57	NW	2	o	1010.4	+2	55	+2	WNW	2	o	-	*	54								
	Kiev ...	1010.4	59	NW	2	b									*									
	Kharkov ...	1008.8	63	W	1	o	1011.3	+2	59	+3	NNE	1	bc	16	*	57								
	Kishinev ...														*									
	Elisabetgrad ...	1010.7	63	NW	2	o									*									
	Nicolaiev ...														*									
	Odessa ...														*									
	Tarkhankout ...														*									
	Soukhom ...														*									
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																								
31 <sup>ST</sup> JULY AND 1 <sup>ST</sup> AUG. 1917.																								
Sunrise. Noon. Sunset.																								
G.M.T. G.M.T. G.M.T.																								
Yarmouth ... { 4.10 11.59 7.47																								
Greenwich ... { 4.23 12.6 7.49																								
Wick ... { 4.1 12.18 8.35																								
Valencia ... { 5.1 12.47 8.33																								
5.3 12.47 8.32																								

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

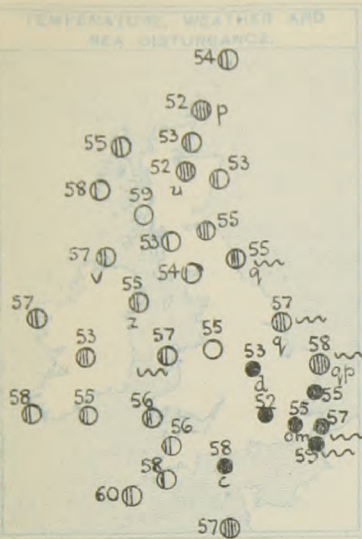
STATIONS.	31 <sup>ST</sup> JULY AND 1 <sup>ST</sup> AUG 1917.		
	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ... ..	4.10 4.13	11.59 11.59	7.47 7.45
Greenwich ... ..	4.23 4.24	12.6 12.6	7.49 7.48
Wick ... ..	4.1 4.3	12.18 12.18	8.35 8.33
Valencia ... ..	5.1 5.3	12.47 12.47	8.33 8.32

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

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# THE MORNING OF TUESDAY, 31<sup>ST</sup> JULY, 1917.



**EXPLANATION.**

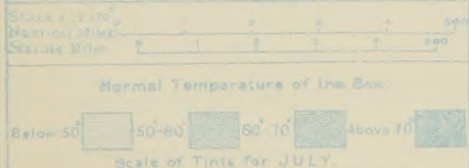
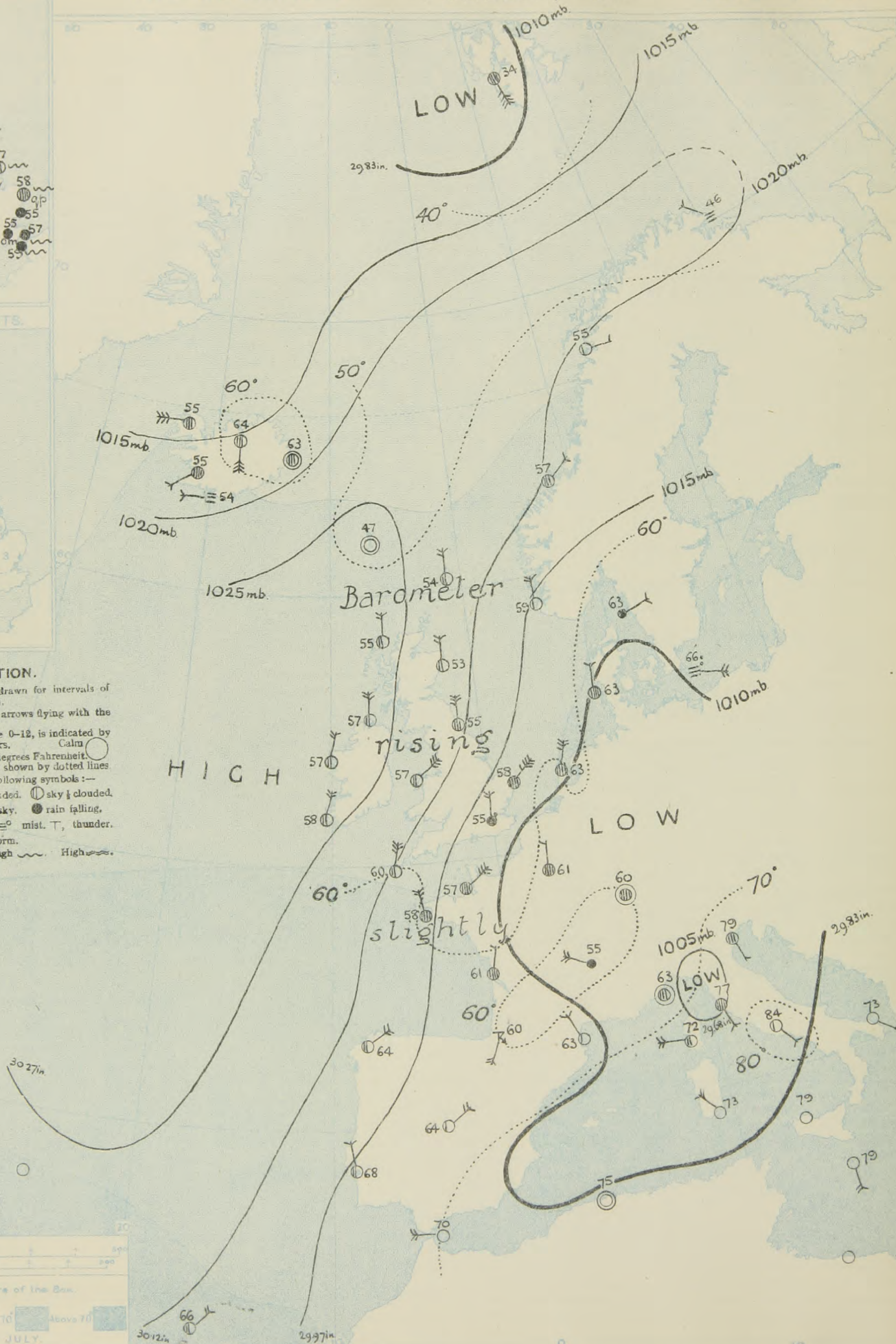
**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**WIND.**—Direction is shown by arrows flying with the wind.  
Force, on the scale 0-12, is indicated by the number of feathers. Calm

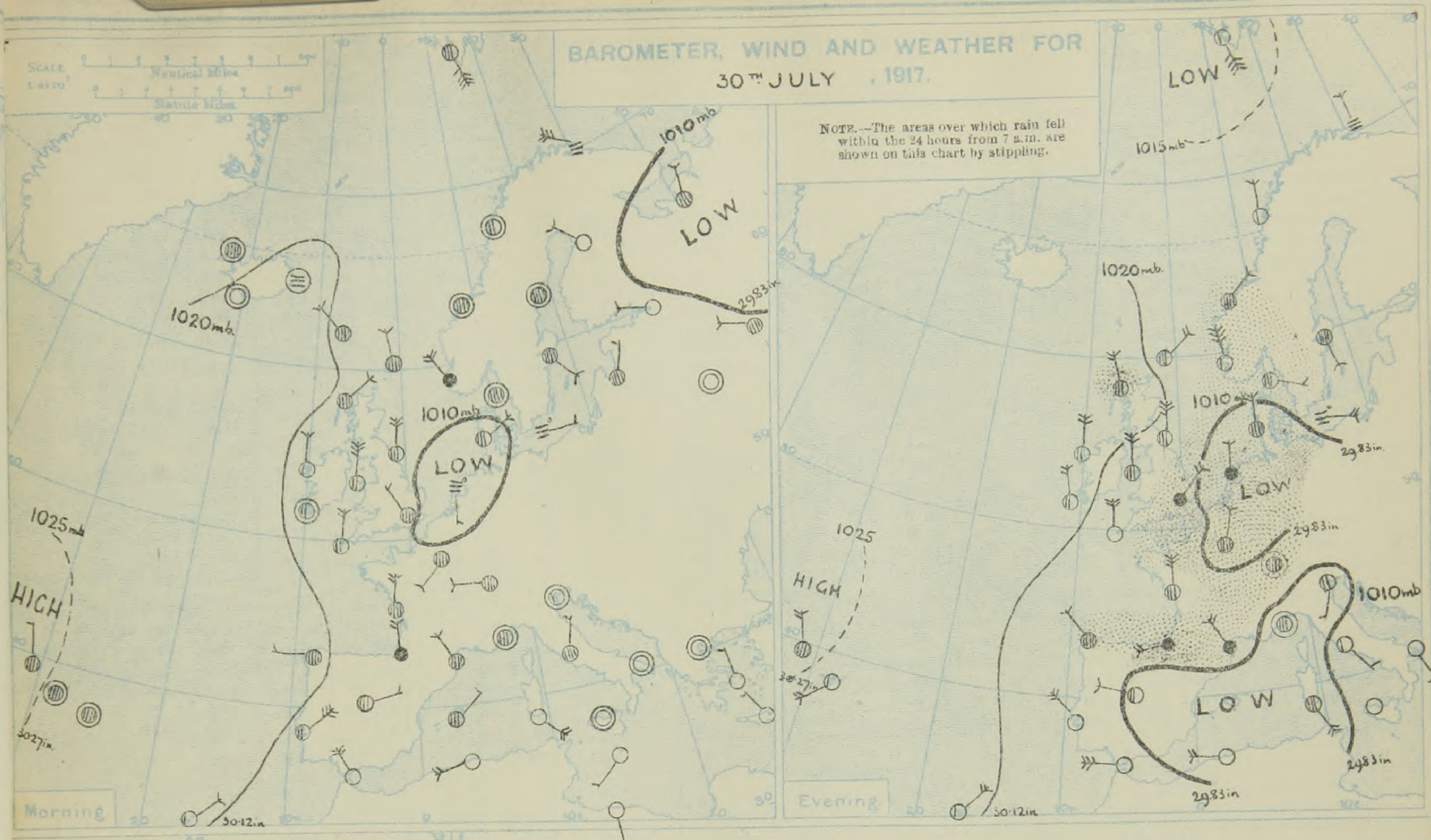
**TEMPERATURE.**—Given in degrees Fahrenheit.  
Isotherms shown by dotted lines.

**WEATHER.**—Shown by the following symbols:—  
○ clear sky. ○ sky 1/4 clouded. ○ sky 1/2 clouded.  
○ sky 3/4 clouded. ○ overcast sky. ○ rain falling.  
\* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.  
⚡, thunderstorm.

**SEA DISTURBANCE.**—Rough wavy. High wavy.





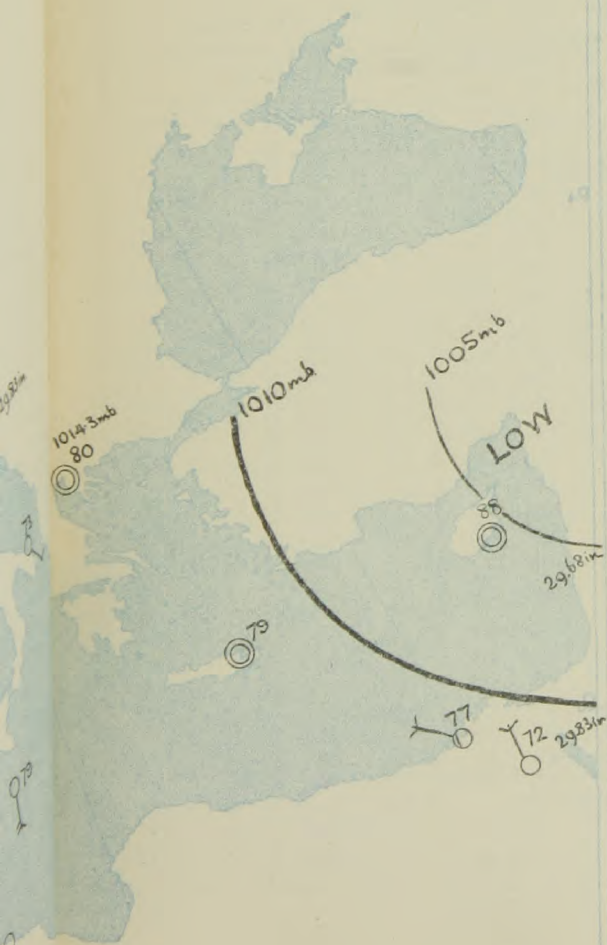


### The Present Situation

Little change has occurred since yesterday in the general situation, but a rise of the barometer in Great Britain has caused the gradient to increase and the NE. wind to become fresh to strong or high on our East and South-East coasts.

### The General Outlook

It is likely that the depression will either disperse or move away slowly south-eastward, while the Atlantic anticyclone moves or extends over the British Isles, finally bringing fine, dry and quiet weather to the south-east and eastern districts.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 212.

Tuesday  
31<sup>st</sup> July

STATIONS.	EVENING OF 30 <sup>th</sup>					MORNING OF 31 <sup>st</sup>										24 HOURS ENDED 7 A.M.					Sun- shine for 30 <sup>th</sup> Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	1018.5	55	NNE	3	C	1022.1	0	54	+1	N	3	-	bc	2	-	58	43	o. bc	bc. e	c. bc	*
	Deerness (Orkney) ...	1020.3	55	NNW	4	bc	1023.3	*	52	-1	N	3	-	op	0	2	59	52	bc	cpd. bc	bc. p. o	6.0
	Stornoway ...	1023.6	57	NNW	3	c	1026.0	+1	55	0	N	3	-	bc	3	1	60	52	o. c	c	c. bc	3.6
	Castlebay (Barraisd.) ...	1024.7	59	NE	4	bc	1027.4	0	58	0	NW	4	NW	b	4	-	63	54	o. c. o	o. bc	bc. b	4.1
	Glasgow ...	1020.2	60	ENE	2	c	1022.5	+1	53	-2	NW	1	NE	b	*	-	65	46	o. c. o	o. e	bc. bc. b	4.1
	Eskdalemuir ...	1019.3	56	NNE	4	bcv	1022.1	0	54	0	N	4	-	b	*	-	61	44	o. c	bcv	bcv. b	6.7
	Malin Head ...	1022.1	60	N	4	bc	1025.7	+2	57	-1	N	4	N	bcv	4	-	62	55	bc	bc	bcv	12.0
	Blacksod Point ...	1023.3	61	N	4	bcv	1026.8	+2	57	-2	NNE	3	NE	bc	2	-	63	53	bcv	bcv	bcv. bc	*
	Valencia (Cahirveen) ...	1022.0	65	NNW	3	bc	1025.6	+1	58	+3	NNE	4	NE	bc	3	-	67	55	bcv	b. bc	bc. b. bc	13.5
	Roche's Point ...	1019.3	68	N	4	bc	1023.8	*	55	-2	N	4	NE	bc	3	-	68	53	b. bc. c	c. bc	bc	*
	Birr Castle ...	1019.8	65	NW	1	c	1025.7	*	63	-1	NW	1	N	c	*	-	69	44	c	c	c	8.0
	Donaghadee ...	1018.7	60	N	4	bmgy	1023.6	+2	55	+1	N	3	N	bcz	3	Trace	62	63	bm	bm	bm. cmw	*
	Liverpool (Bldston) ...	1016.8	62	N	3	bc	1021.1	+1	55	-3	N	3	-	b	3	-	68	51	b	b	b	12.8
	Holyhead ...	1017.8	60	N	4	c	1022.0	+2	57	0	NE	6	NE	bc	5	-	65	55	bc. b	bc. c. o. c	c. o. b. bc	7.2
	Pembroke (St. Ann's) ...	1017.2	62	N	4	b	1020.7	+3	56	-1	N	3	N	bc	3	-	63	53	c. bc	bc. b	bc	11.1
	Scilly (St. Mary's) ...	1017.2	63	N	4	b	1019.6	+1	60	0	NNE	5	N	bc	4	-	67	58	bc	bc. b	bc. o. bc	12.7
	Falmouth ...	1015.4	63	NNW	4	b	1018.0	+1	58	-2	NNE	3	-	b	*	-	67	54	bcq	bcq. b	b	10.8
	Jersey (St. Aubin) ...	1013.2	62	NW	3	bc	1013.9	*	57	-2	NE	5	-	o	4	8	65	56	o. c. o	o. b. bc	c. o. o	3.4
	Portland Bill ...	1012.5	58	N	4	c	1014.2	0	55	-3	NNE	5	-	cr	3	12	63	54	o. cr	cp	cr. o	*
	Dungeness ...	1010.8	64	N	2	c	1010.6	-1	59	+3	NE	7	NE	r	5	16	65	55	o. c	c. bc	c. qpr	*
	Dover ...	1010.3	60	N	5	o	1010.1	0	57	-1	N	6	N	r	5	9	64	55	o. c. o	o	opr	0.4
NORTHERN EUROPE.	Wick ...	1020.9	57	NW	4	bc	1023.4	+1	53	+1	N	3	-	bc	2	1	58	49	omg. c	c. o. c. bc	op. bcm	*
	Nairn ...	1021.4	58	NE	4	cu	1023.4	*	52	-2	NNE	2	-	ou	2	1	60	50	cdg	cdg	cu. qpr	1.0
	Aberdeen ...	1023.5	59	N	3	bc	1022.4	+2	53	+1	N	3	-	bc	2	1	59	50	of	of. bc	bc. b	2.8
	Leith ...	1019.7	59	E	2	c	1022.5	+1	55	+1	N	3	N	c	3	-	61	51	o. c. bc. c	c. bc. o. c	c. bc. q	*
	Tynemouth ...	1017.7	57	N	5	qy	1020.2	0	55	-2	N	5	N	cq	5	-	58	52	bcq	cq	cq	*
	Spurn Head ...	1014.5	58	NE	5	qy	1016.1	0	57	-1	NE	6	-	cq	5	2	60	56	qy	qy	cq	0.0
	Yarmouth (Gorleston) ...	1009.6	59	NNE	6	o	1011.7	+1	58	0	NE	7	-	omq	6	5	63	56	emp	qy	omq	0.0
	Clacton-on-Sea ...	1010.8	59	NW	2	r	1012.1	+1	55	-4	NNW	4	-	r	3	14	65	54	cg	c. qy	qy	0.6
	Nottingham ...	1015.0	58	N	4	o	1017.7	*	53	-4	N	4	N	d	*	4	59	52	or	r. o	o. c	0.0
	Benson (Oxon.) ...	1012.4	55	N	4	r	1014.9	+2	52	-4	N	4	-	r	*	25	63	52	om	or	rpm	*
FRANCE, &c.	Sth Farnborough ...	1011.3	57	N	2	r	1013.8	0	54	-2	N	3	-	or	*	35	62	62	d. or	r. or	r. or	0.0
	London (Kew Obs.) ...	1012.1	58	NE	3	or	1014.0	+1	55	-2	N	3	-	orm	*	42	63	54	om. d. o	o. or	or. o. orm	0.1
	Spitsbergen ...	1010.7	37	SSE	7	b	1008.8	-1	37	-2	SSE	7	*	o	*	*	43	34	*	*	*	*
	Vardö ...	1019.7	45	N	2	f	1020.6	0	46	0	NW	2	-	f	3	1	48	45	*	*	*	*
	Bodö ...	1016.7	55	N	2	b	1019.8	+1	53	-2	E	1	-	f	1	-	57	48	*	*	*	*
	Christiansund ...	1015.0	55	NE	2	o	1019.9	+2	57	0	NE	2	-	c	2	4	61	54	*	*	*	*
	Skudesnaes ...	1013.0	57	NNW	6	b	1014.0	0	59	+4	N	3	-	b	1	Trace	59	52	*	*	*	*
	Færder (X'tania Fjord) ...	1012.2	64	NNE	2	c	1013.3	+2	61	0	NNE	4	-	r	1	18	64	61	*	*	*	*
	The Scaw (Skagen) ...	1011.9	66	ESE	1	c	1011.0	0	63	0	ENE	2	-	r	2	8	68	63	*	*	*	*
	Blaavands Huk ...	1009.5	63	N	3	o	1009.7	0	63	+2	N	2	-	o	*	7	70	57	*	*	*	*
SOUTHERN STATIONS.	Copenhagen ...	1010.6	63	SSE	1	c	1009.3	0	66	0	ESE	2	-	o	*	2	73	64	*	*	*	*
	Bornholm ...	1011.5	66	ESE	3	m	1010.1	-1	66	0	ESE	4	-	m	0	Trace	68	64	*	*	*	*
	The Helder ...	1007.8	64	N	2	r	1010.7	+2	63	0	NNE	5	-	o	3	1	68	63	*	*	*	*
	C. Gris Nez ...	1010.4	60	NNE	4	o	1009.3	0	59	0	NNE	6	*	r	6	2	63	57	*	*	*	*
	La Hève ...	1011.4	62	NNW	3	m	1011.9	*	57	-2	NNE	4	*	o	4	1	64	54	*	*	*	*
	Brest (St. Mathieu) ...	1016.3	62	NNW	4	b	1016.6	+1	58	-2	NNW	4	*	o	2	2	70	57	*	*	*	*
	Rochefort (Ile d'Alx) ...	1012.6	66	N	5	c	1011.5	-1	61	-1	NNE	1	*	o	*	1	73	57	*	*	*	*
	Biarritz ...	1014.6	62	WSW	3	r	1012.7	-1	60	-6	SSW	3	*	tlr	2	Trace	68	57	*	*	*	*
	Paris ...	1009.9	63	N	2	o	1009.5	+1	61	+2	N	1	-	o	*	Trace	68	57	*	*	*	*
	Belfort ...	1011.3	60	-	0	o	1008.8	*	60	-1	-	0	*	o	*	13	79	55	*	*	*	*
SOUTH KENSINGTON.	Lyons ...	1010.4	63	-	0	r	1008.7	*	55	-8	WNW	4	*	r	*	22	74	55	*	*	*	*
	Nice ...	1008.2	72	-	0	c	1006.4	+1	63	+6	-	0	*	e	2	23	82	59	*	*	*	*
	Perpignan ...	1011.0	63	NW	3	r	1010.7	+1	63	-7	NW	2	-	b	4	8	84	59	*	*	*	*
	Sanguinaire ...	1006.0	82	NW	3	b	1006.3	*	72	*	W	4	*	bc	4	1	93	66	*	*	*	*
	Corunna ...	1018.0	66	NW	2	o	1019.0	+2	64	+1	NE	4	-	bc	4	2	68	61	*	*	*	*
	Madrid ...	1009.7	79	WNW	2	bc	1012.7	+2	64	-2	NE	3	-	b	*	1	81	57	*	*	*	*
	Lisbon ...	1017.2	72	NW	4	b	1014.0	0	68	+2	NNW	2	-	bc	*	1	75	66	*	*	*	*
	Azores (Horta) ...	1023.8	*	SW	3	b	1023.3	0	69	-1	-	0	*	b	1	1	81	68	*	*	*	*
	Madeira ...	1020.4	73	NE	3	b	1019.4	0	66	0	NE	3	*	bc	3	1	73	66	*	*	*	*
	Gibraltar ...	1023.5	72	W	5	b	1012.5	*	70	+1	W	4	*	b	4	1	82	69	*	*	*	*
LONDON OBSERVATIONS.	Malta ...	*	*	*	*	*	1013.7	+2	79	+2	S	3	-	b	1	1	86	75	*	*	*	*
	Limassol ...	*	*	*	*	*	1006.4	+2	88	0	-	0	-	b	0	1	95	61	*	*	*	*
	Alexandria ...	1009.6	76	N	2	b	1011.1	+2	77	0	NW	2	N	b	1	1	84	72	*	*	*	*
	Cairo (Helwan) ...	1008.3	86																			