

METEOROLOGICAL OFFICE.

---

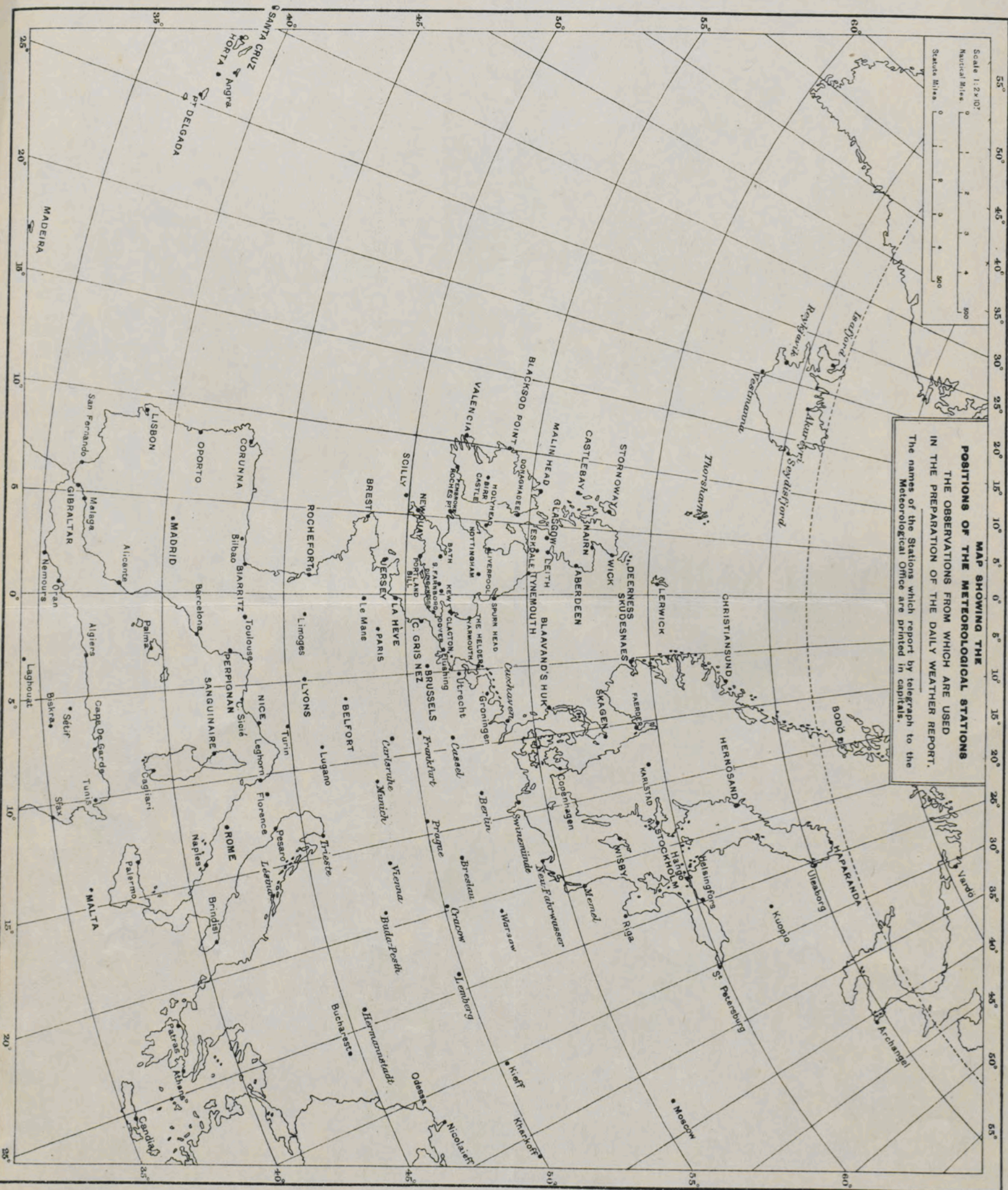
# DAILY WEATHER REPORTS.

---

1ST JANUARY TO 30TH JUNE 1915.



DAILY WEATHER REPORT, JANUARY-JUNE, 1915.



Receipt of information from Stations shown in *italics* is temporarily suspended



# DAILY WEATHER REPORT. APPENDIX I.

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

### SECOND QUARTER, APRIL TO JUNE.

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

STATIONS.	PRESSURE. 1906-1910.  7 a.m. Observations (reduced to M.S. Level and to Lat. 45°).	AIR TEMPERATURE.								RAINFALL. 1876-1910.  Days with Rain. Total Fall.		BRIGHT SUNSHINE. 1881-1910.  Average Duration. Per Centage of Possible Duration.	
		Means of				Absolute Extremes.							
		1906-1910.		1876-1910.		1876-1910.							
		Dry Bulb 7 a.m.	Wet Bulb 7 a.m.	Daily Maxi- mum.	Daily Mini- mum.	Maximum.		Minimum.					
						Temp.	Year.	Temp.	Year.				
Sumburgh Head.....	29°844	39°8	38°2	45°9	36°9	59	1901	21	1899	19	In.	Hr.	%
Stornoway.....	29°865	40°6	39°2	49°1	37°2	67	1893	20	1881	18	2°02	—	—
Castlebay (Barra Isd.)..	[29°876]++	[42°3]++	[40°5]++	[47°2]++	[39°7]++	[54]++	[1908]++	[27]++	[1908]++	[21]++	[3°26]++	[177]++	[42]++
Malin Head.....	29°867	42°3	40°9	[49°4]†	[40°7]†	[67]†	[1900]†	[26]†	[1908]†	[19]†	[1°90]†	—	—
Blackod Point.....	29°914	45°0	43°0	[51°4]†	[41°9]†	[71]†	[1893]†	[29]†	[1897]†	[20]†	[2°95]†	—	—
Valencia.....	29°855	44°9	43°0	53°4	70	1892	30	1879, 92, 97, 98, 06	20	3°93	159	39	
Roche's Point.....	29°957	44°2	43°1	52°9	42°2	72	1893	29	1908	16	3°14	—	—
Birr Castle.....	29°940	42°7	41°3	54°0	38°1	73	1893	21	1892	16	2°21	153	37
Donaghadee.....	29°933	41°5	40°1	50°7	40°1	67	1909	28	1908	16	2°07	—	—
Liverpool (Observatory)	29°936	42°3	40°2	52°3	40°1	75	1893	28	1908	14	1°69	[175]++	[42]++
Holyhead.....	29°928	44°1	42°4	51°0	41°4	75	1893	30	1908	15	2°14	—	—
Pembroke (St. Ann's Hd.)	29°929	43°2	42°0	50°3	41°9	70	1893	29	1908	15	2°11	178	43
Scilly (St. Mary's).....	30°066	45°9	44°0	52°6	44°7	66	1893	32	1876	16	2°13	181	44
Jersey (St. Aubin's).....	29°961	46°2	43°9	54°3	43°6	77	1893	32	1876, 92, 00, 03, 08, 10, } [1908]†	15	2°13	193	47
Portland Bill.....	29°938	44°1	42°3	51°7	42°3	[65]†	[1901, 04]†	[30]†	[1908]†	13	1°65	—	—
Dungeness.....	29°922	43°8	42°2	51°5	40°4	67	1901	24	1903	13	[1°34]†	—	—
Dover.....	[29°944]++	[43°9]++	[42°3]++	[52°0]++	[39°6]++	[66]++	[1909]++	[29]++	[1908]++	[15]++	[1°94]++	[200]++	[49]++
Wick.....	29°859	40°3	38°5	49°1	36°7	69	1900	20	1905	18	1°96	—	—
Nairn.....	29°872	39°7	37°5	51°4	36°0	71	1900	18	1908	16	1°45	[144]**	[34]**
Aberdeen.....	29°899	41°3	39°5	49°5	37°6	74	1900	22	1908	18	2°09	157	37
Leith.....	29°904	42°2	40°0	52°2	37°8	73	1900	17	1908	14	1°46	—	—
North Shields.....	29°915	41°0	39°4	49°9	37°7	71	1892	23	1908	15	1°63	—	—
Spurn Head.....	29°909	42°4	41°0	49°2	40°0	[67]*	[1885]*	[30]*	[1881, 89, 03, 05]*	14	1°19	—	—
Yarmouth.....	29°921	42°8	40°7	49°4	39°7	72	1885	25	1878	15	1°61	[206]++	[50]++
Clacton-on-Sea.....	29°936	43°4	41°5	50°7	40°1	[69]†	[1907, 09]†	[29]†	[1903]†	12	1°50	[188]†	[46]†
Nottingham.....	29°937	42°5	39°8	54°1	37°9	79	1876	23	1888	16	1°63	[152]†	[37]†
Bath.....	29°860	42°7	40°9	54°6	38°7	[74]†	[1901]†	[26]†	[1906, 08]†	13	2°17	149	36
Oxford.....	29°865	43°7	41°1	54°9	38°6	80	1893	23	1892	14	1°73	163	37
LONDON { Westminster	29°941	43°0	41°2	[54°9]†	[40°2]†	[72]†	[1907]†	[29]†	[1910]†	[16]†	[1°80]†	121	29
LONDON { Kew.....	29°957	42°5	40°3	54°7	39°5	80	1900, 01, 1893	27	1887, 91	13	1°66	153	37
Sumburgh Head.....	29°904	43°8	42°1	49°9	40°2	63	1895	27	1877	18	1°91	—	—
Stornoway.....	29°893	46°4	44°5	53°3	41°2	75	1908	26	1906	19	2°53	192	37
Castlebay (Barra Isd.)..	[29°940]++	[48°2]++	[46°1]++	[53°7]++	[45°3]++	[70]++	[1908, 10]++	[32]++	[1909]++	[21]++	[2°45]++	[220]++	[44]++
Malin Head.....	29°868	46°9	46°0	[54°1]†	[44°9]†	[73]†	[1908]†	[35]†	1886, 91, 97, 04, } [1910]†	[18]†	[2°10]†	—	—
Blackod Point.....	29°890	49°3	47°5	[55°9]†	[45°9]†	[75]†	[1890]†	[34]†	[1910]†	[19]†	[2°87]†	—	—
Valencia.....	29°915	50°1	48°1	57°6	46°0	74	1884, 95, 97	34	1877, 85, 96	18	3°15	207	43
Roche's Point.....	29°938	49°7	48°2	57°7	46°3	73	1896	35	1909	15	2°59	—	—
Birr Castle.....	29°925	50°1	48°0	59°6	44°5	77	1881, 95	28	1877	15	2°29	185	38
Donaghadee.....	29°929	46°8	45°3	55°8	44°0	70	1896	33	1909	16	2°35	—	—
Liverpool (Observatory)	29°946	49°1	46°7	58°0	45°0	80	1895	30	1883	15	1°99	[239]++	[49]++
Holyhead.....	29°927	49°7	48°0	56°8	45°6	74	1895	37	1894, 03, 07, 09	14	1°97	—	—
Pembroke (St. Ann's Hd.)	29°926	48°5	47°3	55°0	45°9	72	1890, 1910	34	1879	14	1°94	219	46
Scilly (St. Mary's).....	30°054	50°2	48°6	56°4	48°2	67	1896	38	1883	13	1°74	231	49
Jersey (St. Aubin's).....	29°976	52°4	49°9	59°5	47°6	78	1908	35	1905, 06	13	1°90	244	52
Portland Bill.....	29°951	49°7	48°1	56°8	46°5	[72]†	[1910]†	[36]†	[1902]†	12	1°47	—	—
Dungeness.....	29°951	50°3	48°7	57°3	46°0	76	1892	30	1892, 02	12	[1°34]†	—	—
Dover.....	[30°034]++	[51°5]++	[49°1]++	[58°9]++	[45°7]++	[77]++	[1909]++	[35]++	[1909, 10]++	[12]++	[1°70]++	[250]++	[52]++
Wick.....	29°897	45°8	43°6	53°8	40°6	71	1891	24	1876	18	2°05	—	—
Nairn.....	29°897	46°4	44°1	56°6	40°9	78	1888	26	1894	16	1°75	[177]**	[35]**
Aberdeen.....	29°923	47°5	45°3	54°6	41°7	75	1902	29	1884, 91	17	2°27	187	37
Leith.....	29°914	48°0	45°6	57°4	42°5	81	1881	27	1883	15	1°83	—	—
North Shields.....	29°932	48°1	46°1	54°5	42°3	73	1903	29	1891, 09	14	1°91	—	—
Spurn Head.....	29°935	49°2	47°2	54°6	45°0	[75]*	[1883]*	[34]*	[1891]*	13	1°51	—	—
Yarmouth.....	29°950	50°2	47°6	55°3	44°9	75	1909	32	1891, 92	14	1°80	[261]++	[54]++
Clacton-on-Sea.....	29°961	50°7	48°4	56°7	45°1	[76]†	[1909]†	[31]†	[1902]†	10	1°38	[231]†	[48]†
Nottingham.....	29°953	49°7	48°0	60°2	42°8	82	1895	25	1879	16	1°95	[174]†	[36]†
Bath.....	29°973	50°9	48°6	61°2	43°8	[79]†	[1884, 1909]†	[29]†	[1902]†	13	2°03	211	44
Oxford.....	29°976	51°9	48°6	60°9	43°7	83	1895	28	1877	13	1°85	195	41
LONDON { Westminster	29°958	51°2	48°6	[62°3]†	[46°7]†	[81]†	[1909]†	[33]†	[1906]†	[12]†	[1°51]†	171	36
LONDON { Kew.....	29°973	50°7	48°0	61°1	44°5	84	1895	30	1877	13	1°76	201	42
Sumburgh Head.....	29°924	48°0	46°7	54°0	44°9	70	1891	33	1888	15	1°71	—	—
Stornoway.....	29°931	51°0	48°9	58°4	46°3	76	1893, 02, 05	31	1888	16	2°42	179	34
Castlebay (Barra Isd.)..	[30°010]++	[51°9]++	[49°6]++	[57°2]++	[49°1]++	[71]++	[1908, 10]++	[44]++	[1908, 10]++	[14]++	[1°94]++	[209]++	[40]++
Malin Head.....	29°947	51°5	50°3	[58°8]†	[49°8]†	[78]†	[1905]†	[40]†	[1902, 07]†	[16]†	[2°16]†	—	—
Blackod Point.....	29°982	53°6	51°7	[60°8]†	[51°0]†	[82]†	[1887]†	[40]†	[1894, 07]†	[17]†	[2°78]†	—	—
Valencia.....	30°014	54°2	52°2	62°2	51°0	81	1887, 02	38	1903	17	3°37	190	39
Roche's Point.....	30°016	54°3	52°5	63°0	51°4	80	1876, 87	41	1881	13	3°05	—	—
Birr Castle.....	29°999	54°4	52°3	64°9	48°7	85	1887	32	1881	15	2°45	165	33
Donaghadee.....	29°985	51°4	49°8	60°9	49°2	77	1887	36	1880	15	2°34	—	—
Liverpool (Observatory)	29°994	53°5	51°1	63°7	51°1	85	1878, 93	40	1903, 07	14	2°25	[198]++	[40]++
Holyhead.....	29°986	53°8	52°3	61°2	50°8	83	1878	42	1882	14	2°25	—	—
Pembroke (St. Ann's Hd.)	29°992	52°7	51°4	60°1	51°4	79	1893	38	1888	13	2°04	223	46
Scilly (St. Mary's).....	30°135	54°4	52°6	61°3	53°2	75	1893	41	1888	14	1°76	238	49
Jersey (St. Aubin's).....	30°059	56°7	54°3	64°8	52°9	84	1878, 93	39	1890	12	2°09	239	50
Portland Bill.....	30°004	54°1	52°4	61°9	52°1	[78]†	[1903]†	[43]†	[1903]†	10	1°61	—	—
Dungeness.....	29°987	55°3	53°1	62°8	52°0	77	1878	37	1890, 1, 2, 3, 09	12	[1°56]†	—	—
Dover.....	[29°990]++	[55°8]++	[53°4]++	[63°1]++	[50°4]++	[80]++	[1908]++	[30]++	[1909]++	[14]++	[2°53]++	[207]++	[42]++
Wick.....	29°939	50°3	48°2	58°5	45°4	79	1878	30	1881, 1903	15	1°82	—	—
Nairn.....	29°948	51°5	48°9	62°2	46°5	86	1876	30	1888, 1903	15	1°82	[163]**	[31]**
Aberdeen.....	29°964	52°8	49°9	60°2	47°0	80	1881, 87	30	1888</				



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 152.

Tuesday,  
1st June 1915.

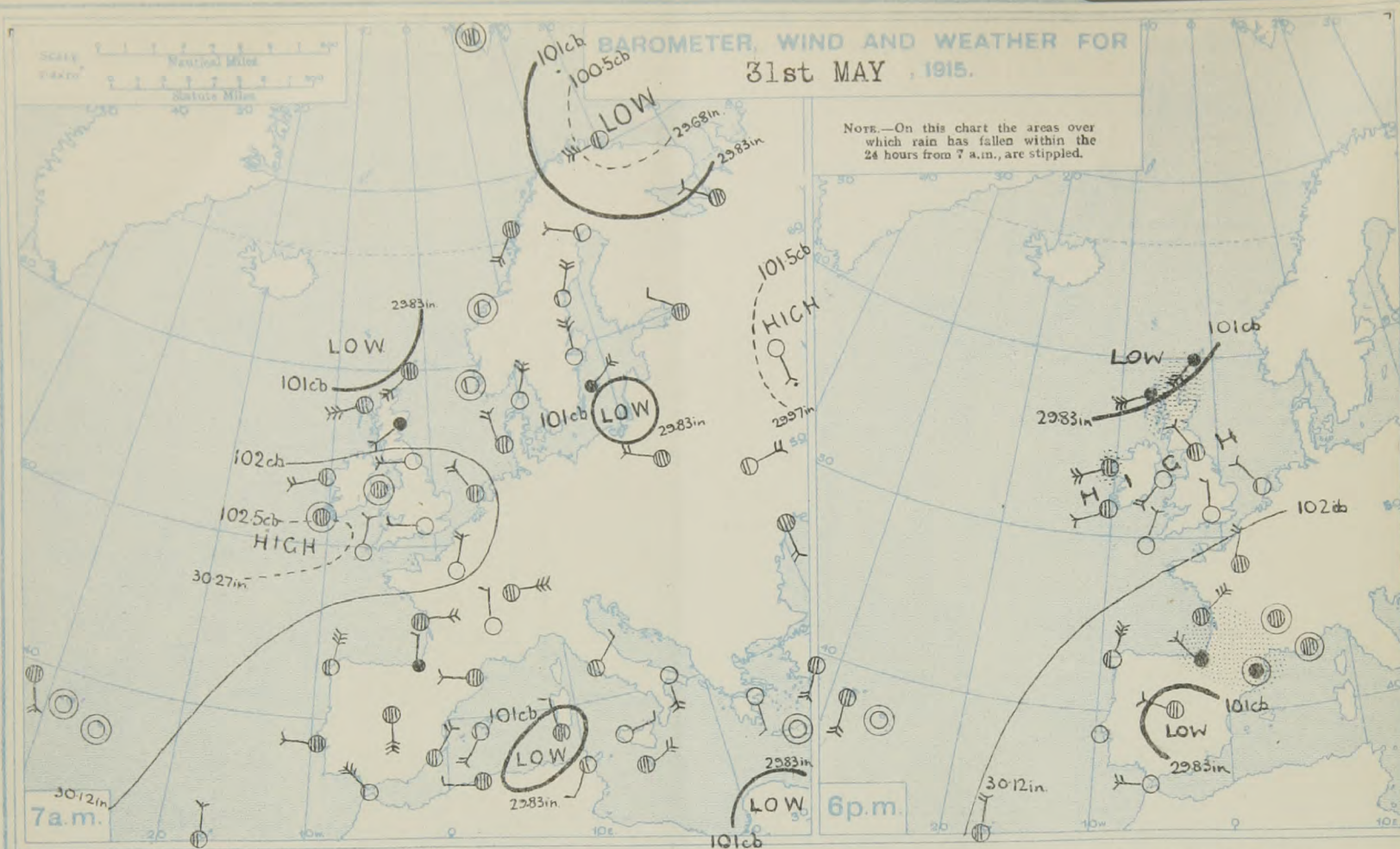
DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick ...	1007.6	48	SW	6	or	1006.4	+1	46	-3	WSW	4	W	bc	3	7	50	42	omg	omg	cp. bc	Hours.
	Deerness ...	1008.1	50	SSW	6	or	1009.8	+	46	-3	W	5	W	cp	3	1	53	43	o	omg	cp	0.0
	Stornoway ...	1009.5	47	WSW	6	or	1012.3	+3	47	-1	WNW	4	W	cp	4	6	53	41	c. oap	or	cp	0.4
	Castlebay (Barra Isd.)	1013.4	50	SW	5	ap	1016.2	+1	47	-2	WNW	3	W	c	3	1	51	46	o	ap	cp. or	0.0
	Glasgow ...	1017.8	50	WSW	5	o	1015.2	0	48	0	SW	5	W	r	0.1	54	47	c	c. o	ogap	4.0	
	Eskdalemuir ...	1018.3	50	SSW	5	og	1016.9	0	47	+3	SW	4	W	o	0	47	42	og. cp	cp. o	og. co	4.0	
	Malin Head ...	1017.5	51	WSW	5	cp	1014.9	0	50	+1	SW	5	W	orm	5	?	53	48	cp	cp	omd	0.8
	Blacksod Point ...	1020.4	51	WSW	4	cm	1017.6	-1	50	+3	WSW	3	W	cm	3	Trace	54	46	cm	cm	cm	0.8
	Valencia ...	1023.3	52	WSW	2	c	1020.8	-1	53	+8	S	2	SW	o	3	-	55	45	cr	cr	cr. o	4.4
	Roche's Point ...	1023.4	55	SW	3	c	1022.5	+	49	+1	NNW	1	W	o	1	-	58	43	bc. c	c	c. o	0.0
	Birr Castle ...	1022.0	53	W	3	c	1020.2	+	52	+6	SW	1	W	c	0	-	57	45	c	c	c	7.5
	Donaghadee ...	1019.3	54	W	3	cp	1017.4	0	50	+1	W	4	W	ogp	3	-	57	48	cp	cp	cp. ogm	0.0
	Liverpool (Bidston)	1021.0	54	WNW	1	b	1019.8	0	50	+2	W	2	W	b	2	-	56	45	bc	b	b	13.1
	Holyhead ...	1023.4	53	SW	3	b	1019.4	0	51	+4	W	3	W	c	3	-	57	47	bc	b	b	13.4
	Pembroke (St. Ann's)	1022.7	54	W	1	b	1022.2	+1	51	+2	ENE	1	W	b	1	-	56	42	bcw	b	b	15.0
	Scilly (St. Mary's)	1022.6	55	NNE	2	b	1021.1	0	52	0	NNW	1	W	b	2	-	58	47	b	b	b	14.8
	Falmouth ...	1021.7	57	N	3	b	1020.4	0	53	+3	N	2	N	b	2	-	60	45	b	b	b	14.6
	Jersey (St. Aubin)	1020.3	57	NE	4	b	1018.8	+	54	+3	NE	3	W	b	3	-	59	49	b	b	b	14.8
	Portland Bill ...	1021.4	52	SW	2	b	1019.4	0	55	+5	NNE	3	W	b	2	-	57	45	b	b	b	0.0
	Dunegness ...	1021.2	53	E	2	b	1019.4	-1	55	+5	NNE	2	W	b	2	-	56	38	b	b	b. bc	0.0
	Dover ...	1021.7	50	E	3	br	1019.6	-1	55	+2	NE	2	NE	b	2	-	59	39	b	b	b	13.9
	Wick ...	1010.0	51	SW	4	o	1011.1	+2	48	0	WSW	4	W	bc	2	1	55	39	om	omg	omg. bc	0.0
	Nairn ...	1012.1	53	W	5	cp	1012.7	+	49	-1	W	2	W	bc	2	2	57	43	cp	bc. cp	ogp. c	2.4
	Aberdeen ...	1013.5	56	SW	4	o	1013.2	+2	48	0	W	0	W	r	2	2	64	47	omg. bc	bc. c	c. bc. or	4.5
	Leith ...	1016.3	53	W	3	o	1016.4	0	52	+3	WSW	4	W	o	0	-	58	49	of	of	c. bc	0.0
	Tynemouth ...	1018.6	57	NW	2	cm	1017.1	-3	52	+4	W	3	W	bc	3	-	59	44	cm	cm	bc	0.0
	Spurn Head ...	1020.8	51	SSE	4	c	?	0	51	+1	W	2	W	cm	3	-	59	46	bc	c	c	10.5
	Yarmouth ...	1022.3	53	S	3	b	1020.3	-1	51	+6	S	2	W	b	1	-	57	44	b	b	b	14.5
	Clacton-on-Sea ...	1021.7	52	SE	3	bz	1020.1	0	53	+4	SE	1	W	b	0	-	55	42	b. bc. c	c. bc. b	b	13.5
	Nottingham ...	1020.6	57	W	1	o	1020.0	+	49	+4	WSW	1	W	bc	0	-	60	42	bc. o	o. c	o. c	5.5
	Bath ...	1021.1	59	NW	1	c	1020.5	+	50	+5	NW	0	W	m	0	-	63	45	b. bc	bc. c	c. bc. m	11.2
	Sth Farnborough ...	1020.2	61	NW	3	b	1019.3	0	49	+6	W	0	W	bz	0	-	63	35	b. bc	bc. b	b	13.5
	London (Kew Obsy.)	1020.7	61	N	1	b	1020.1	0	48	+4	SSW	1	W	bc	0	-	62	39	bz. b. bc	bc. b	bc	13.9
ICELAND, FAEROE, &c.	Spitsbergen ...																					
	Isafjord ...																					
	Reykjavik ...																					
	Vestmanna ...																					
	Seydisfjord ...																					
NORTHERN EUROPE.	Thorshavn ...																					
	Vardö ...																					
	Bodö ...																					
	Christiansund ...																					
	Skudesnaes ...																					
	Færder (X'ianta Fjord)																					
	The Scaw (Skagen)																					
	Blaavands Huk ...																					
	Haparanda ...																					
	Hernösand ...																					
FRANCE, &c.	Stockholm ...																					
	Wisby ...																					
	Karlstad ...																					
	Petrograd (5 a.m. G.M.T.)																					
	The Helder ...	1022.4	52	NW	2	b	1020.3	0	54	+6	ESE	1	W	b	1	-	54	43				
	Brussels ...	?	?	?	?	?																
	C. Gris Nez ...	1020.6	52	ENE	3	b	1019.1	0	55	+3	ENE	4	W	b	2	-	57	?				
	La Hève ...	1019.9	52	NE	3	b	1018.1	+	52	+7	NE	3	W	b	2	-	59	45				
	Ushant ...	1020.4	52	NE	5	bc	1019.1	+	52	0	NE	3	W	b	3	-	55	48				
	Brest (St. Mathien)	1020.3	59	NE	5	c	1019.4	0	49	-1	NE	3	W	bc	2	-	63	46				
SOUTHERN EUROPE.	Rochefort (Ile d'Aix)	1014.3	52	NE	5	o	1013.0	+1	54	-1	ENE	3	W	o	0	5	68	52				
	Biarritz ...	1014.0	55	NW	3	r	1014.3	+2	57	+4	WNW	3	W	o	2	6	59	52				
	Paris ...	1018.0	59	NNE	2	o	1015.8	0	54	+6	NNE	2	SW	o	0	-	64	48				
	Belfort ...																					
	Lyons ...	1013.5	62	N	1	o	1014.0	+	59	+5	W	1	W	o	0	-	66	53				
	Nice ...	1013.2	63	-	0	o	1014.1	+2	64		-	0	W	c	2	-	72	57				
	Perpignan ...	1011.9	63	-	0	r	1013.0	+2	59	-4	NW	1	S	o	0	5	72	57				
	Sanguinaire ...	?	72	NW	3	o	?	+	67	-1	SE	1	W	bc	2	-	75	63				
	Corunna (7 a.m.)	1017.7	59	NNE	6	bc	1018.9	+1	55	-2	NE	5	W	o	3	-	61	64				
	Madrid (8 a.m.)	1005.9	70	WNW	2	c	1012.2	+2	57	-2	W	1	W	o	0	-	72	52				
AZORES &c.	Lisbon (9 a.m.)																					
	Gibraltar ...	1013.2	64	W	3	b	1012.8	+	62	-1	NW	3	W	b	2	-	74	59				
	Rome ...																					
	Malta (8 a.m.)						1013.5	+3	70	+2	E	3	W	o	2	-	72	68				
	Azores (Horta, 8 a.m.)																					
MADEIRA	Madeira (Funchal)	1019.9	68	N	2	c	1021.6	+2	63	+2	N	2	N	c	2	-	68	61				

## 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





FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

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

**NO WARNINGS**

**ISSUED.**

Western Channel and Bay 11

- |    |   |   |   |
|----|---|---|---|
| 0  | a | } | Wind mainly Westerly, light or moderate, fresh locally; changeable, some showers; moderate or rather low temperature. |
| 1  | b |   |   |
| 2  | a | } | Light Westerly winds; fair; moderate or rather low temperature.   |
| 3  | b |   |   |
| 3  | a | } | Light variable or North-Easterly airs; fine, bright, but haze locally; moderate temperature.                          |
| 4  | b |   |   |
| 4  | a | } | Light variable or Westerly airs; fine; moderate temperature.  |
| 5  | b |   |   |
| 5  | a | } | Light winds between North and North-East; fine; moderate temperature.   |
| 6  | b |   |   |
| 6  | a | } | Same as Nos. 0 & 1.   |
| 7  | b |   |   |
| 7  | a | } | Same as No. 2.  |
| 8  | b |   |   |
| 8  | a | } | Same as No. 5.  |
| 9  | b |   |   |
| 9  | a | } | Wind from some Westerly point, light or moderate; mostly fair; some local showers; moderate temperature               |
| 10 | b |   |   |
| 10 | a | } | Wind light or moderate Northerly or North-Easterly; sea slight or smooth; fair.                                       |
| 11 | b |   |   |

**FURTHER OUTLOOK.**

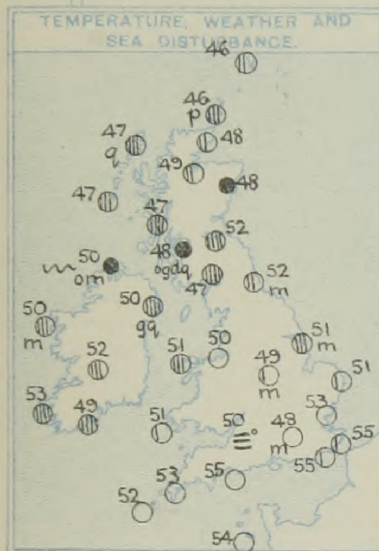
R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director



GENERAL INFERENCE.

There are no indications of any important change in the pressure distribution.



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.

**SEA DISTURBANCE.**—Rough. High.

Inches.  
31

30

29

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 JUNE

H I G H

LOW

101cb

Barometer rising

29.83in

29.97in

101.5cb

50°

102cb

Barometer

scarcely

changing

rising

Barometer

101.5cb

102cb

29.97in

30.12in

30.12in

29.97in

60°

60°

L O W



## DAILY WEATHER REPORT.

Tuesday, 1<sup>st</sup> June, 1915.REPORTS  
FOR  
YESTERDAY.31<sup>st</sup> May 1915.

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.	mm. \$	° F.	° F.			Hr.	(Tunbridge Wells ...	mm. \$	° F.	° F.			Hr.
Oban ...	—	52	45	o	o	1.2	Margate ...	—	58	33	b. bc	cb	9.3
Banff ...	0.3	58	45	o.c	c.o	1.6	Ramsgate ...	—	55	42	b	b	11.3
Carnoustie ...	1	61	41	c	c	6.9	Hastings ...	—	55	40	b. bc	b	10.6
St. Andrews ...	1	59	40	*	*	6.6	Bexhill-on-Sea ...	—	56	40	b. bc. b	b	12.2
England, N.E.							Eastbourne ...	—	66	41	b	b	10.0
Harrogate ...	—	57	36	b. bc	c. bc. b	8.3	Seaford ...	—	59	37	b	b	13.0
Skegness ...	—	59	36	b. bc	bc	11.9	Brighton ...	—	56	37	b. bc. bc	bc. c. bc	12.3
England, N.W.							Worthing ...	—	58	38	bc	b	12.5
Morecambe ...	—	55	46	bc	b	7.3	Littlehampton ...	—	58	40	b	b	12.5
Blackpool ...	—	56	46	bc. c	b	9.0	Bognor ...	—	57	38	b	b	13.1
Southport ...	—	55	46	bc. c. b	b	9.8	Southsea ...	—	58	43	bc	b	10.5
Midlands.							Bournemouth ...	—	60	36	b	b	12.5
Buxton ...	—	57	37	bc	bc	6.5	England, S.E.						
Leamington Spa ...	—	59	35	bc	c	7.8	Weymouth ...	—	62	46	b	b. bc	12.9
Malvern ...	—	60	41	bc	bc	8.0	Torquay ...	—	59	41	b	b	13.3
Ross-on-Wye ...	—	64	30	b. bc	bc. o	9.8	Paignton ...	—	60	38	b	b. bc	12.4
Wales.							Falmouth ...	—	60	41	b	b	13.0
Rhyl ...	—	57	36	bc	bc	12.5	Penzance ...	—	60	44	bc	b	12.0
Colwyn Bay ...	—	56	40	bc	b	9.0	Newquay ...	—	55	38	bc	bc	12.5
Llandudno ...	—	61	36	bc	b	7.1	Ilfracombe ...	—	57	43	b	b	12.5
Aberystwyth ...	—	56	38	o. c. b	bc. c	11.0	Weston-super-Mare ...	—	60	39	b	b	13.0
Tenby ...	—	61	36	bc	b	10.3	England, S.W.						
England, E.													
Cromer ...	—	55	40	bc	bc	13.3							
Lowestoft ...	—	56	39	b. bc. b	b	12.9							
Felixstowe ...	—	55	38	bc	bc	13.0							
Walton-on-Naze ...	—	56	39	bc. b	b	12.7							
Southend-on-Sea ...	—	60	42	b. bc	bc. b	11.5							

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To-day.		In Screen.	Min. on Grass.	Max. on Grass.		Fore- noon.	After- noon.	Night.
Greenwich (Royal Obs.) ...	47	60	Hr.	° F.	° F.	° F.	mm. \$	bz	bz. bz	b
City (Bunhill Row) ...	*	*	10.6	63	57	25	—	bc	bc	bc
Westminster (St. James's Pk.)	47	64	12.5	63	39	35	—	bc	bc. b	bc
Camden Sq. (Brit. Rainfall)	40	68	12.1	68	42	38	—	bc	bc. b	bc
Hampstead (Reservoir) ...	*	64	13.0	61	42	28	—	bc	bc. b	bc
Richmond Park ...	*	*	11.3							
Kew. (See front page.)	*	*								
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	50	62	12.8	22.73 Joules	39.0 Milliwatts.	81 Milliwatts.				

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
	mm. &	° F.	° F.	° F.				Hr.
Dublin to 4 p.m.	—	58	40	35	bc	bc	bc	*
Darwen to 9 p.m.	—	60	39		c. bc	o. c	c	7.7
Manchester "	—	60	39	23	c. bc. b	b. bc. c	c. o	5.2
Birmingham "	*							
Oxford to 8 p.m.	*							
Teignmouth to 9,,	—	61	40	37	b	b	b	13.1
Plymouth "	—							
S. Kensington	—	63	54	31	bc. b	bc. b	bc	
(Museum Grounds to 6 p.m.)								*

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

1 <sup>st</sup> June 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.38	11.51	8.4
Greenwich ...	3.37	11.51	8.5
Wick ...	3.51	11.58	8.5
Valencia ...	3.50	11.58	8.6
	3.17	12.10	9.2
	3.16	12.10	9.4
	4.29	12.39	6.48
	4.28	12.39	6.50

## NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 60° or slightly above in the south of England, and at some western and northern stations. Rain was experienced in the far north and north-west, but over the Kingdom generally the weather was dry and bright.

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. and at the bookstalls at certain Railway Termini in London.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 153.

Wednesday,  
2nd June 1915.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M. G.M.T.										FAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Force.	Dir.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Force.	Dir.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1012.5	46	NW	5	bc	1015.5	+1	45	F	W	2	NW	bc	2	1	48	39	bc	bc	bc	Hours.
	Deerness	1014.2	48	WNW	4	b	1015.9		47	+1	SE	2	S	c	1	1	51	40	cp	c.bc.b.	b.bc.c	12.9
	Stornoway	1015.1	47	SE	3	c	1013.8	-1	47	0	SSE	3	-	og	3	1	54	42	c.bc.c	edp	cdp.og	6.8
	Castlebay (Barra Isd.)	1015.6	49	SW	3	o	1013.4	0	51	+4	S	3	-	o	3	2	52	46	c.o.bc	bc.op.o	od.o	4.5
	Glasgow	1016.0	54	W	4	bc	1016.9	-1	50	+2	-	0	SW	c	3	58	47	ogdp	c	bc.c.om	5.8	
	Eskdalemuir	1016.6	51	SW	3	c	1017.7	0	49	+2	SSE	2	-	o	2	55	45	c.op	op	c.o.bc.o	1.0	
	Malin Head	1016.5	53	W	3	bc	1013.9	-3	51	+1	S	3	SW	cg	2	-	55	48	bc	bc	cg	3.5
	Blacksod Point	1018.2	52	SW	3	bc	1011.1	-5	51	+1	SSE	6	S	cg	5	1	52	49	bc	bc	bc.beg	0.2
	Valencia	1019.9	55	SW	3	c	1012.9	-3	53	0	SSE	4	-	o	4	-	58	47	o.c	o.c	c.bc.o	0.2
	Roche's Point	1021.2	55	SW	3	o	1017.5		54	+5	SW	4	-	o	4	-	54	48	o	og	o	*
	Birr Castle	1019.0	58	SW	2	c	1016.0	x	50	-2	S	2	-	o	1	-	61	45	c.o	c	c.o	3.9
	Donaghadee	1017.4	50	SE	1	cgr	1016.1	0	51	+1	SW	2	SW	cg	1	6	60	48	cg	cg	ogrup.c	11.5
	Liverpool (Bldston)	1018.7	56	WNW	2	b	1019.4	-2	53	+3	SE	2	-	o	2	-	58	45	c.b.c	og	bc	10.0
	Holyhead	1019.5	55	SW	4	bz	1018.2	0	52	+1	S	4	SW	b	3	-	58	48	c.bc.b	bc.b	bc.c.o.b	13.3
	Pembroke (St. Ann's)	1021.1	50	WNW	1	b	1019.6	0	51	0	S	1	S	b	1	-	55	46	b	b	b	13.3
	Scilly (St. Mary's)	1020.5	56	NNE	2	b	1020.0	-1	52	0	SE	1	E	c	2	-	59	47	b	b	bc	15.1
	Falmouth	1019.8	58	NNW	3	b	1019.4	+1	55	+2	N	1	-	b	2	-	61	43	b	b	b	14.9
	Jersey (St. Aubin)	1018.0	58	N	3	b	1018.9		58	+4	N	1	-	b	1	-	61	49	b	b	b	13.8
	Portland Bill	1018.2	56	WSW	2	b	1018.8	0	57	+2	NNW	1	-	b	2	-	62	49	b.b.c	bc	b	*
	Dungeness	1017.2	55	E	4	b	1018.9	+1	55	0	ENE	1	-	b	1	-	59	40	bc	bc	b.b.c	*
	Dover	1018.3	54	NNE	3	b	1019.8	+1	54	-1	N	3	-	b	2	-	61	42	b	bc	b.b.c.b	14.3
Wick	1016.7	49	NW	4	bc	1015.8	0	48	0	SE	2	SE	o	2	0.3	52	34	bc	bc	bc.om	8.3	
Nairn	1014.6	52	-	0	cg	1015.3	x	48	-1	-	0	-	cg	0	1	54	44	bed.c	bcgpc	bcgpc	0.1	
Aberdeen	1015.2	48	E	1	cg	1016.4	0	50	+2	SSE	1	W	b	2	2	52	44	c.op	op.c	cp.bc	0.1	
Leith	1014.4	59	W	3	bc	1016.7	0	55	+3	W	1	-	bz	1	-	61	48	o	cp.bc	bc	*	
Tynemouth	1016.5	57	WNW	2	bc	1018.1	+1	52	0	W	2	W	bc	3	-	61	44	cm	bc	bc	9.5	
Spurn Head	1014.7	56	S	3	bc	1018.3	0	56	+5	W	2	-	bc	3	-	59	47	bc	bc	bc	12.8	
Yarmouth	1018.4	53	SE	2	b	1019.1	0	52	+1	W	1	-	bc	0	-	57	46	b.b.c	bc.b	c.bm	13.0	
Clacton-on-Sea	1018.2	55	SE	1	b	1019.6	+1	55	+2	-	0	-	bz	0	-	56	44	b	b	bz	10.2	
Nottingham	1017.4	62	WNW	2	b	1019.6		47	+2	SW	1	-	bc	1	-	66	38	b.b.c	bc.b	bc	10.1	
Bath	1018.2	63	W	3	c	1019.8		49	+1	W	1	-	m	1	-	66	39	bc.b.c	c.b.c	b.bm	9.7	
Sth Farnborough	1017.0	65	N	2	b	1019.1	+1	50	+1	NW	1	-	bz	1	-	65	40	b.o	b.c.b	b	7.3	
London (Kew Obsy.)	1017.4	64	N	1	bz	1019.6	+2	50	+2	-	0	-	bc	1	-	63	42	bc.bz	og.bz	og.bz	7.3	
ICELAND, FAEROE, &c.	Spitsbergen																					
	Isafjord...																					
	Reykjavik																					
	Vestmanna																					
	Seydisfjord																					
	Thorshavn																					
NORTHERN EUROPE.	Vardö																					
	Bodö																					
	Christiansund																					
	Skudesnaes																					
	Færder (X'iania Fjord)																					
	The Scaw (Skagen)																					
	Blaavands Huk																					
	Haparanda																					
	Hernösand																					
	Stockholm																					
FRANCE, &c.	Wisby																					
	Karlstad																					
	Petrograd (5 a.m. G.M.T.)																					
	The Helder	1017.9	55	N	2	b	1019.3	+2	54	0	N	1	-	b	1	-	59	50				
	Brussels																					
	C. Gris Nez	1016.8	54	NE	4	b	1019.3	+1	54	-1	NE	4		b	2	-	61	46				
	La Hève	1014.9	59	NNE	3	b	1018.4		52	0	NE	2		b	1	-	63	50				
	Ushant	1020.2	54	NE	3	b	1020.2		?	?	NE	1		b	0	?	70	54				
	Brest (St. Mathieu)	1020.3	55	N	3	b	1020.9	+1	52	+3	N	1		bc	1	-	64	48				
	Rochefort (Ile d'Aix)	1016.6	61	NE	3	a	1016.7	+2	54	+3	N	1		o	1	-	63	52				
Biarritz	1015.0	59	WNW	3	bc	1016.6	+1	54	0	WNW	3		o	2	-	61	55					
Paris	1014.3	63	E	2	o	1016.4	+2	54	+3	NNE	2	-	o	1	-	72	52					
Belfort																						
Lyons	1012.6	66	SSW	2	o	1014.9		58	-1	N	1		r	2		74	57					
Nice	1012.4	64	-	0	c	1011.4	+2	66	+2	E	5		o	5	1	73	59					
Perpignan	1013.6	57	WNW	1	T	1013.3	+1	59	0	WNW	3	-	o	8		84	34					
Sanguinaire	?	42	NW	2	c	?		64	-3	ESE	5		o	4	7	73	59					
SOUTHERN EUROPE.	Corunna (7 a.m.)	1019.0	61	NNE	5	c	1021.5	+2	55	0	NE	1	-	b	2	-	61	45				
	Madrid (8 a.m.)	1010.3	63	NNE	3	c	1016.4	+2	54	-3	-	0	W	b	1		68	50				
	Lisbon (9 a.m.)																					
	Gibraltar	1015.2	62	W	4	b	1015.9		62	0	W	5		o	4	-	72	60				
	Rome																					
	Malta (8 a.m.)																					
Azores (Horta, 8 a.m.)	1020.2		SW	4	o					NE	2		b	2	-	84	57					
Madeira (Funchal)	1021.9	66	N	2	o	1023.8	0	59	-4	NE	2		b	2	-	84	57					

## RAINFALL.

Equivalents of Millimetres.  
in Inches.

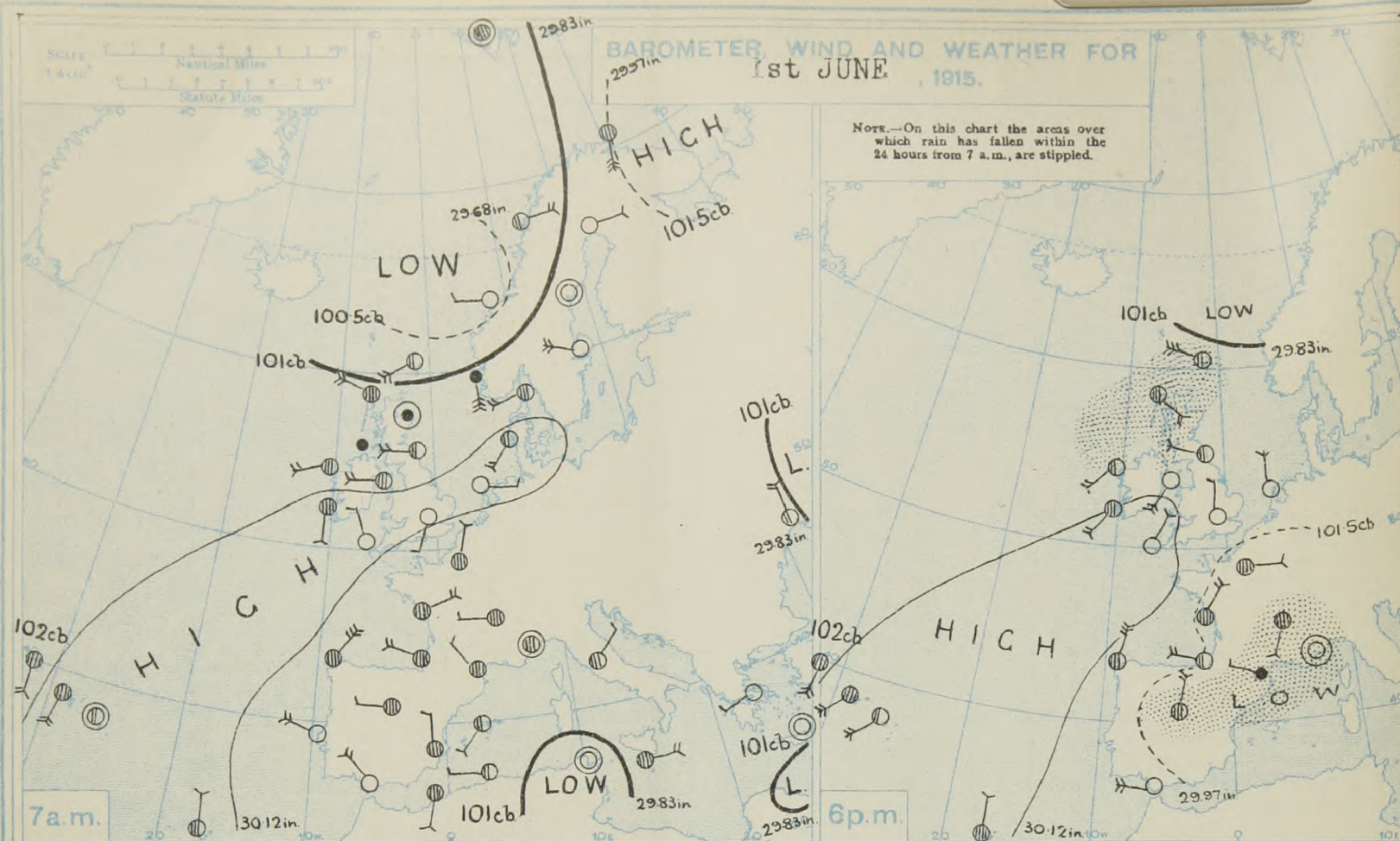
mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
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

\* Information for these columns not usually received.

† Received too late for insertion in Charts.

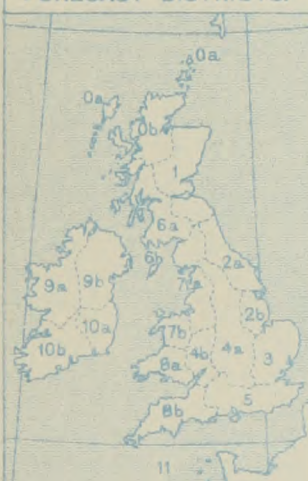
‡ The barometric change is expressed in half-millibars.





FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

Western Channel and Bay 11

- 0 } Southerly or South-Easterly winds, light to moderate or fresh; fair, then much cloud, with some rain; moderately cool.
- 1 }
- 2 } Wind mainly between West and South, light; fair
- 3 } or fine, some local haze; temperature rising.
- 4 }
- 5 } Light North-Easterly or variable winds, then Westerly or South-Westerly, light; fair or bright, haze locally; temperature rising.
- 6 } Same as Nos 0 and 1.
- 7 }
- 8 } Wind mainly Southerly, light to moderate; fine, then cloudy or overcast; moderate temperature.
- 9 }
- 10 } Southerly and South-Westerly winds, moderate to fresh or strong; much cloud, some rain; moderate temperature.
- 11 } Wind between South and West, light or moderate; sea smooth to moderate; fair generally, some fog later.

FURTHER OUTLOOK.

R. G. K. LEMPFFERT, Superintendent, Forecast Division.

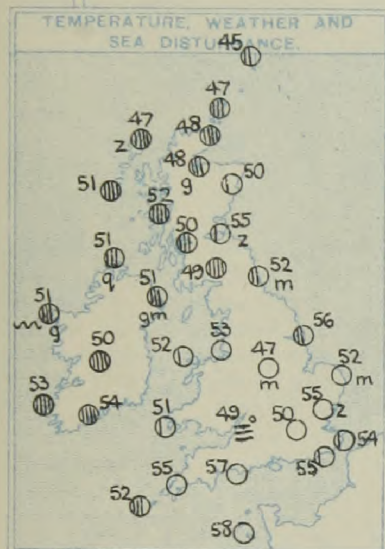
W. N. SHAW, Director



# SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 2nd JUNE, 1915.

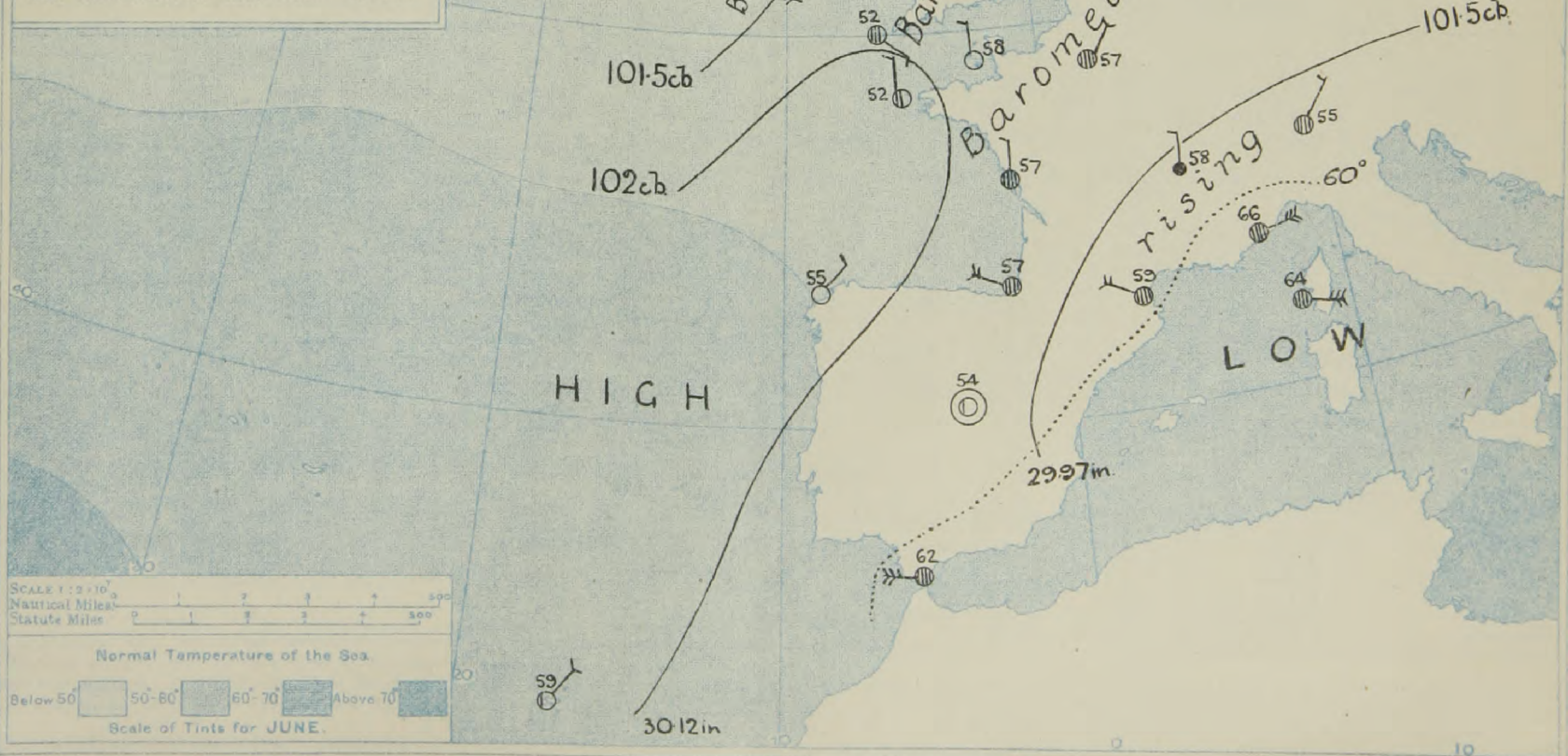
## GENERAL INFERENCE.

The Atlantic depression will extend farther over the United Kingdom.



## 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  $\frac{2}{4}$  clouded. ○ overcast sky. ● rain falling.  
 \* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.  
 K, thunderstorm.  
**SEA DISTURBANCE.**—Rough High





# DAILY WEATHER REPORT.

Wednesday, 2nd June 1915.

## REPORTS

## FOR YESTERDAY.

1st June 1915

### EVENING OBSERVATIONS.

STATIONS.	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.
			Dir.	Force 0-12.	
Spitsbergen	1008.2	28	SSE	4	o
Vardö	1012.2	34	W	6	b
Åre	1012.4	43	W	2	b
Christiansund	1008.8	55	SSW	2	o
Skudenes	1015.3	48	ESE	4	o
Færder	1015.3	50	SW	5	b
The Scaw	1017.6	50	WSW	3	b
Blauvands Huk	1017.7	50	WSW	3	b
Holmås	1015.7	37	WSW	2	b
Holmås	1015.7	37	WSW	2	b
Stockholm	1013.7	50	NNE	2	b
Narvik	1013.7	43	NNW	4	b
Lisbon	1015.0	54	WSW	2	b
Rome	1012.8	64	WNW	5	c
Azores (Morta)	1013.6	70	W	1	o
	1013.3	*	SSW	4	f

### OBSERVATIONS AT 7 A.M., G.M.T.

STATIONS.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	WIND.	Dir.	Force 0-12.	Dir. of Upper Cloud.	Weather	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.	
												Max.	Min.
Spitsbergen	1007.0	-1	30	+3	SSW	0	*	*	o	3	*	30	25
Vardö	1015.0	0	41	+2	SSW	5	*	*	b	3	*	41	30
Åre	1006.9	-1	50	+9	E	3	*	*	b	2	*	45	36
Christiansund	1001.7	-1	48	+3	W	1	*	*	b	3	*	57	39
Skudenes	1011.1	-1	48	+2	S	2	*	*	b	3	*	48	46
Færder	1013.5	0	52	+6	SW	3	*	*	b	3	*	53	46
The Scaw	1017.0	0	52	+4	SW	3	*	*	b	3	*	52	45
Blauvands Huk	1013.4	0	50	+2	SW	3	*	*	b	3	*	50	32
Holmås	1012.6	-1	48	+3	E	2	*	*	b	3	*	52	32
Holmås	1012.6	-1	48	+3	E	2	*	*	b	3	*	52	32
Stockholm	1013.0	0	50	+4	WNW	4	*	*	b	3	*	50	37
Narvik	1016.0	+3	48	+5	WSW	2	*	*	b	3	*	50	41
Lisbon	1014.1	-1	52	+6	SW	4	*	*	b	3	*	59	37
Rome	1012.8	+2	59	0	WNW	4	*	*	b	3	*	66	57
Azores (Morta)	1013.6	0	68	+2	NE	1	*	*	c	3	*	79	64
	1011.0	-1	66	+2	SSW	4	*	*	c	3	*	72	64

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.	
Scotland.						
Oban ...	3	51	45	r	o	0.5
Banff ...	1	53	46	b.c.b	b.b	10.1
Carnoustie ...	3	61	46	crg	rb.p	2.5
St. Andrews ...	1	41	48	*	*	2.1
England, N.W.						
Harrogate ...	-	60	34	b.c.b	b.b	8.8
Skegness ...	-	59	47	b.c	b	9.3
England, N.W.						
Morecambe ...	-	58	50	b	b.c	8.3
Blackpool ...	-	58	48	b.c.b	b	10.4
Southport ...	-	58	49	b.o.b	b.b.c	10.7
Midlands.						
Buxton ...	-	58	36	b	b	10.7
Leamington Spa ...	-	65	46	b	b	11.1
Malvern ...	-	64	45	b.b	b.c	10.0
Ross-on-Wye ...	-	66	36	b	b.c.b	9.6
Wales.						
Rhyl ...	-	58	39	b	b	8.0
Colwyn Bay ...	-	59	45	c.b	b.b	8.2
Llandudno ...	-	61	43	b	b	9.6
Aberystwyth ...	-	57	41	c.b	b.b	12.0
Tenby ...	-	60	39	b	b	10.9
England, E.						
Cromer ...	-	60	44	b.c	b.c	12.4
Lowestoft ...	-	57	53	b.v.	b.v.	13.0
Felixstowe ...	-	59	45	b	b	13.1
Walton-on-Naze ...	-	59	45	b	b	13.1
Southend-on-Sea ...	-	60	44	b	b	13.2
England, S.E.						
Tunbridge Wells ...	-	65	34	b.b.b	b	?
Margate ...	-	55	45	b	b	12.3
Ramsgate ...	-	57	43	b	b	13.5
Hastings ...	-	59	42	b	b	13.6
Bexhill-on-Sea ...	-	62	43	b	b	13.3
Eastbourne ...	-	60	39	b	b	13.5
Seaford ...	-	65	39	b	b	13.2
Brighton ...	-	61	39	b.c.b	b	12.2
Worthing ...	-	62	39	b	b	13.0
Littlehampton ...	-	58	46	b	b	13.0
Bognor ...	-	59	40	b	b	13.2
Southsea ...	-	64	40	b	b	13.2
Bournemouth ...	-	65	37	b	b.c.b	7.5
England, S.W.						
Weymouth ...	-	68	45	b.b	b.b	8.0
Torquay ...	-	65	44	b	b.b	11.7
Paignton ...	-	66	44	b.c	b	10.4
Falmouth ...	-	61	48	b	b	13.3
Penzance ...	-	62	46	b	b	13.6
Newquay ...	-	56	37	b.v	b.v	12.8
Ilfracombe ...	-	57	43	b	b	13.0
Weston-super-Mare ...	-	61	41	b	b	12.2

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.	Min. on Grass.		Fore- noon.	After- noon.	Night.
Greenwich (Royal Obs.) ...	66	65	7.0	65	40	24	-	b.c.o	c.b	b
City (Bunhill Row) ...	*	*	1.7	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	54	60	4.5	63	39	38	-	o	b	b
Camden Sq. (Brit. Rainfall)	62	56	3.2	66	45	39	-	b.c	c.b	*
Hampstead (Reservoir) ...	*	57	7.8	61	46	30	-	b	b	b
Richmond Park ...	*	*	*	*	*	*	*	*	*	*
Kew. (See front page.)	*	*	*	*	*	*	*	*	*	*
(Greenwich and Camden Square air temperatures are in Glatisher screens.)										
S. Kensington (Roof of M.O.)	55	61	4.0	1033	Joules	17.7	Milliwatts.	36	Milliwatts.	

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.		Sun- shine for Yester- day.
		Max.	Min.	Night.	Fore- noon.	
Dublin to 4 p.m.	-	60	49	47	o	c
Darwen to 9 p.m.	-	61	40	*	b.c.o	c.c
Manchester "	-	61	40	*	b.c.o	c.c
Birmingham "	-	63	35	27	b.b	c.b
Oxford to 8 p.m.	-	63	35	27	b.b	c.b
Teignmouth to 9 "	-	63	35	27	b.b	c.b
Plymouth "	-	63	35	27	b.b	c.b
S. Kensington (Museum Grounds to 6 p.m.)	-	64	43	33	b.b	b.m.o

## NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 60° or above over a considerable portion of the United Kingdom, and except in some parts of Ireland and Scotland there was much sunshine. Slight rain fell in the extreme north and northwest.

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. and at the bookstalls at certain Railway Termini in London.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No.154. Thursday, 3rd June 1915.

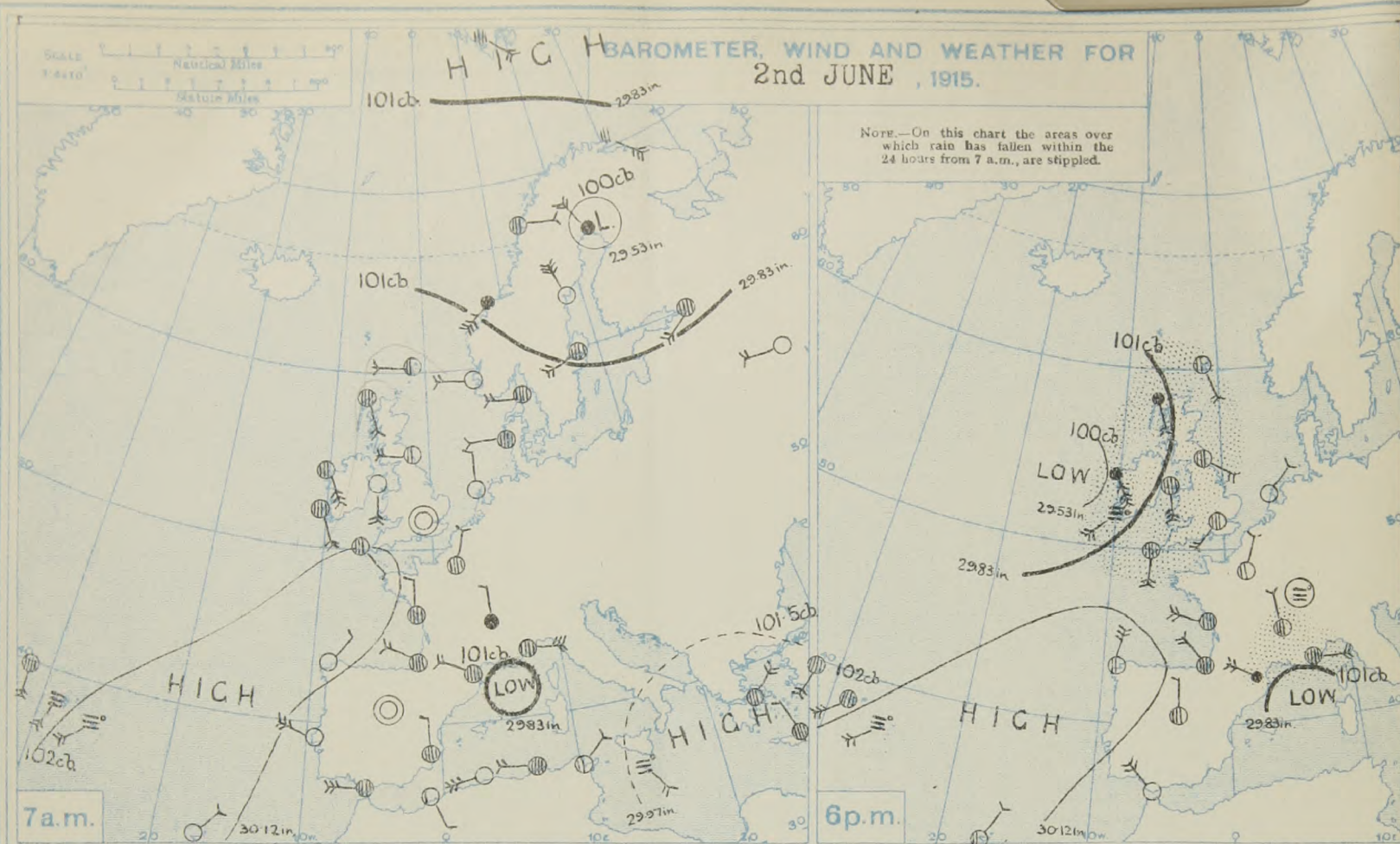
DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer.		Temp.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	Temp.		WEATHER.			
				Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 24 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1016.1	48	SSE	3	bc	1012.0	-1	44	+2	SE	6	-	otm	5	7	58	44	bc	bc	cg omt	Hours.
	Deerness	1013.5	49	SE	3	or	1008.1	-	48	+1	SSE	4	W	C	3	6	52	47	c	c.ome	ot.c	7.7
	Stornoway	1009.7	50	SSE	3	od	1008.3	+4	49	+2	SE	1	-	o	1	7	52	47	og	od	ot	0.0
	Castlebay(Barrisd.)	1007.5	50	ESE	4	r	1007.2	+3	50	-1	WNW	4	-	o	4	10	52	48	op	op.r	ot	0.0
	Glasgow	1012.5	55	S	4	o	1009.6	-1	51	+1	WSW	2	-	od	3	3	58	46	o	og	odp.od	1.0
	Eskdalemuir	1013.9	51	SSW	2	o	1011.1	0	49	0	SSW	5	-	ome	5	5	55	44	og	o	otq	0.0
	Malin Head	1004.6	49	S	5	cr	1009.6	+6	50	-1	W	4	-	og	5	6	55	48	cg	cr	og	0.0
	Blacksod Point	1000.6	50	SSE	8	omt	1012.9	+4	52	+2	WSW	3	W	ben	4	10	53	49	omt	omt	omt.c	0.0
	Valencia	1006.0	56	SW	4	m	1015.9	+4	53	0	-	0	W	bc	4	33	56	48	omt	omt	o.b.o.c	0.0
	Roche's Point	1010.3	52	SSW	5	r	1015.7	-	53	+1	NNW	3	-	b	3	18	55	49	omt	mr	ot.b	-
	Birr Castle	1007.3	52	SE	4	r	1015.8	-	52	+2	W	1	W	bc	3	5	55	49	o	or	ot.c.bc	0.0
	Donaghadee	1009.6	50	SSW	5	r	1010.3	+3	53	+2	NW	4	NW	cg	3	6	56	48	cg	omq	omt.cg	-
	Liverpool (Bidston)	1014.4	55	NW	1	o	1013.4	+3	51	-2	SE	2	SE	o	2	4	68	49	b	c.o	ot	9.1
	Holyhead	1013.4	52	S	5	og	1012.9	+3	52	0	WSW	3	W	om	2	6	57	48	b.b.c.o	ov	o.ot.od	5.2
	Pembroke(St. Ann's)	1015.1	53	SSW	4	o	1016.5	+3	52	+1	NNW	2	N	og	4	5	55	49	c	c	og	5.1
	Scilly (St. Mary's)	1015.3	54	S	4	om	1015.4	+3	52	0	NW	4	-	om	5	7	58	50	c	o	omt.fe	6.5
	Falmouth	1016.6	54	SSW	3	o	1015.2	+2	55	0	SW	2	-	d	2	6	60	49	b	b.c.o	ot.d	9.5
	Jersey (St. Aubin)	1018.0	66	WNW	3	b	1019.3	-	50	-8	SW	2	-	om	2	1	67	47	b	b	b.ond	12.8
	Portland Bill	1018.2	54	SSW	1	bc	1017.6	0	50	-7	SSW	4	SW	o	3	1	59	48	b.bc	bc	c.ot	-
	Dungeness	1017.4	56	NE	3	bc	1017.5	0	55	0	SW	2	-	o	2	-	61	43	bc	bc	bc.c.o	-
	Dover	1018.6	55	NE	2	bc	1018.1	0	56	+2	WSW	3	-	o	2	-	66	47	b	b.bc	b.b.c.o	13.2
	Wick	1013.2	49	S	1	r	1008.2	0	48	0	SW	3	-	C	3	4	51	46	bc.cm	cm.ond	ond.cm	-
	Nairn	1011.8	53	ESE	1	C	1007.9	-	50	+2	-	0	-	og	0	4	58	45	cg	od	ot.d	0.5
	Aberdeen	1014.9	50	SSE	2	o	1009.6	-1	49	-1	S	3	-	om	2	9	59	47	bc.or	or	oglm	2.7
	Leith	1012.0	59	S	1	o	1009.5	+1	55	0	SW	2	-	og	3	0.3	60	50	og	o	op	-
Tynemouth	1014.1	53	SE	3	cmg	1011.9	-2	52	0	SSW	3	-	cm	3	1	58	51	cm	cm	om	-	
Spurn Head	1016.3	57	S	4	o	1015.1	0	52	-4	SSW	5	-	o	4	0.1	60	50	ben	o	o	9.4	
Yarmouth	1018.2	56	SE	4	C	1017.0	0	55	+3	W	2	-	om	1	-	60	51	bm	bm.c	c.om	13.5	
Clacton-on-Sea	1018.3	55	ESE	2	C	1017.6	0	55	0	W	2	-	og	1	-	60	50	bz	bz.bc	c.og	12.3	
Nottingham	1015.3	68	SW	2	bc	1015.4	-	49	+2	SSW	2	SW	o	-	2	71	47	bm	b.bc	cm	10.6	
Bath	1016.9	63	SW	3	o	1016.7	-	52	+3	SW	1	SW	o	-	Trace	69	48	m.b.bc	b.bc	z.og	11.4	
Sth Farnborough	1017.0	65	SW	3	bc	1017.5	+1	49	-1	S	3	-	o	-	1	71	48	b.bc	bc	bc.or	10.8	
London (Kew Obsy.)	1017.3	68	SW	3	cg	1018.4	+2	50	0	SW	3	-	otm	-	0.3	72	49	bm.bz	bz.cg	cg.bz	9.6	
ICELAND, FAEROE, &c.	Spitsbergen																					
	Isafjord...																					
	Reykjavik																					
	Vestmanna																					
	Seydisfjord																					
NORTHERN EUROPE.	Thorshavn																					
	Vardö																					
	Bodö																					
	Christiansund																					
	Skudesnaes																					
	Færder(X'ania Fjord)																					
	The Scaw (Skagen)																					
	Blaavands Huk																					
	Haparanda																					
	Hernösand																					
FRANCE, &c.	Stockholm																					
	Wisby																					
	Karlstad																					
	Petrograd (6 a.m. G.M.T.)																					
	The Helder	1018.7	59	NE	2	b	1017.0	-1	61	+7	SSE	1	SW	bc	1	-	61	54				
	Brussels																					
	C. Gris Nez	1017.3	56	NE	4	bc	1017.7	+2	57	+3	SSW	3		bc	0	-	61	52				
	La Hève	1018.9	62	NNE	2	b	1019.5	-	54	+2	SW	1		bc	2	-	66	50				
	Ushant	1017.5	55	SW	3	C	1016.8	-	55	?	SW	5		bc	4	-	64	50				
	Brest (St. Mathieu)	1019.9	57	WSW	2	C	1018.4	0	54	+2	SSW	4		bc	4	2	75	46				
SOUTHERN EUROPE.	Rochefort(ile d'Aix)	1017.6	61	WNW	4	o	1022.1	+3	62	+5	NW	3		C	-	-	66	55				
	Biarritz	1019.1	61	NW	3	o	1022.9	+3	59	+2	W	3		o	2	-	64	59				
	Paris	1015.7	72	NNE	2	bc	1018.9	+2	68	+11	NW	1	-	b	-	-	77	52				
	Belfort	1013.9	72	-	0	m	1017.6	-	62	-	-	0		m	-	-	77	55				
	Lyons	1013.6	68	N	2	C	1017.2	-	64	+5	WNW	3		o	-	1	72	61				
	Nice	1011.7	63	E	4	o	1016.2	+2	64	-2	-	0		bc	3	51	70	57				
	Perpignan	1014.3	57	WNW	4	r	1018.0	+2	61	+2	W	4	E	bc	3	5	68	57				
	Sanguinaire	?	62	ESE	3	bc	?	-	68	+4	E	2		b	3	-	75	59				
	Corunna (7 a.m.)	1021.5	59	NNE	5	bc	1024.6	+4	57	+2	ESE	3	-	o	1	-	61	?				
	Madrid (8 a.m.)	1015.1	64	N	1	C	1022.6	+3	57	+3	-	0	N	b	-	-	68	46				
SOUTHERN EUROPE.	Lisbon (9 a.m.)																					
	Gibraltar	1018.3	63	NW	4	b	1020.3	-	61	-1	NW	2		b	1	-	71	59				
	Rome																					
	Malta (8 a.m.)						1016.0	+3	68	-2	WSW	1	-	C	1	10	75	68				
	Azores (Horta, 8 a.m.)	1019.9		SW	5	o	1021.1	+1	67	+1	SSW	4		f	3	-	70	66				
Madeira (Funchal)	1023.1	66	NE	2	bc	1024.8	+1	59	0													

## RAINFALL.

Equivalents of Millimetres.  
in Inches.

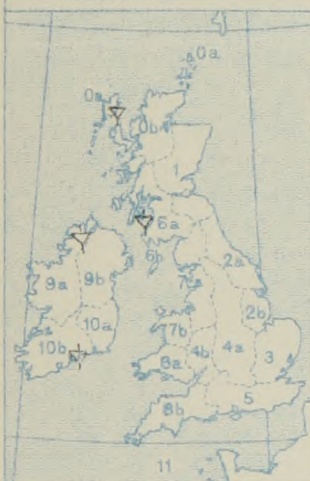
mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1





FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

Signals hoisted yesterday. Signals hoisted this morning.

South Cone. North Cone. South Cone. North Cone.

South Cone hoisted at 2.35 p.m. yesterday.

Western Channel and Bay. 11

- 0 } Wind veering to South-West, West or North-West, light or moderate, fresh locally; much cloud, some rain and mist; cool.
- 1 }
- 2 } Wind veering to West or North-West, light or moderate, weather rather changeable, much cloud generally, some rain; rather cool.
- 3 }
- 4 } some rain; rather cool.
- 5 }
- 6 } Westerly and North-Westerly winds, light or moderate; changeable, some rain, fair intervals; rather cool.
- 7 } changeable, some rain, fair intervals; rather cool.
- 8 } Westerly and North-Westerly winds, light or moderate; changeable, some rain, fair intervals; rather cool.
- 9 } Wind between North-West and South-West, light or moderate; variable sky, some showers; rather cool.
- 10 } North-Westerly and Westerly winds, light or moderate to fresh; sea moderate or rather rough; some showers and mist.
- 11 }

FURTHER OUTLOOK.

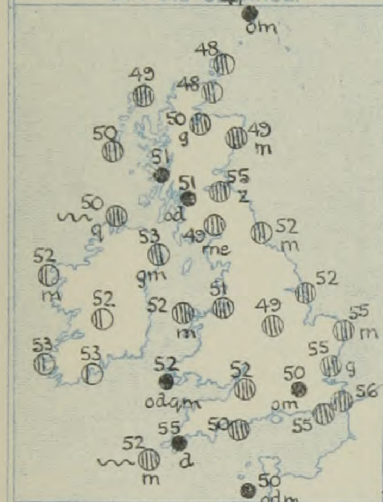


# SYNOPTIC CHART FOR 7 a.m., THURSDAY, 3rd JUNE, 1915.

## GENERAL INFERENCE.

The V-shaped depression will move eastward, and the wind in its rear will veer to West or North-West very generally. Rather cool and unsettled weather is to be expected.

### TEMPERATURE, WEATHER AND SEA DISTURBANCE.



### 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.

⚡, thunderstorm.

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

31  
Inches.

30

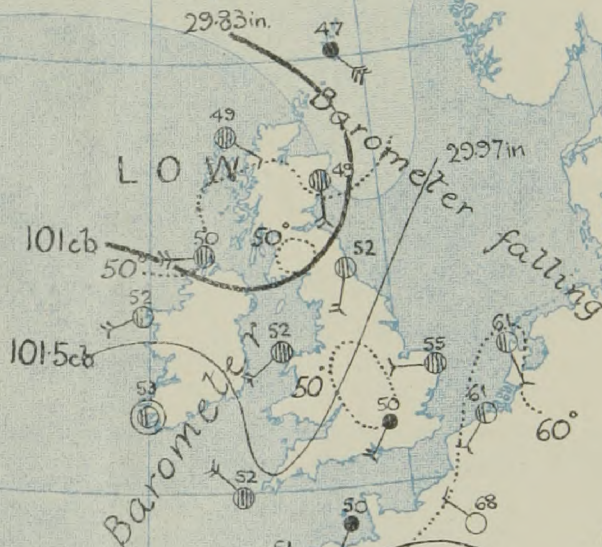
29

SCALE 1:250,000  
Nautical Miles 0 1 2 3 4 5  
Statute Miles 0 1 2 3 4 5

Normal Temperature of the Sea

Below 50 50-60 60-70 Above 70

Scale of Tints for JUNE.



30.12 in.



## DAILY WEATHER REPORT.

Thursday, 3rd June, 1915.

REPORTS  
FOR  
YESTERDAY.

2nd June 1915.

REPORTS  FOR  YESTERDAY.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain-fall. Milli- metres.	TEMP.	
		Barom. Milli- bars at M.S.L.	Temp. ° F.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Max.		Min.	
				Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.							
2nd June 1915.	Spitzbergen	1009.5	32	-	0	o	1012.8	+4	30	° F.	SE	4	*	o	*	34	27		
	Vardø	1012.0	41	SE	2	c	1008.2	0	41	0	SE	5	-	o	3	45	32		
	Bodø	1008.2	45	W	2	c	1003.3	0	41	-9	E	2	-	o	2	5	41		
	Christiansund	1005.9	48	W	4	c	1007.3	+2	39	-9	SW	7	-	o	4	48	39		
	Skudenes	1013.1	48	SW	3	c	1015.8	+1	46	-2	W	3	-	o	4	52	46		
	Færevåg	1010.3	50	SW	4	c	1012.2	+1	46	-4	WSW	5	-	o	3	52	46		
	The Scaw	1018.1	52	WSW	4	c	1014.6	+5	46	-6	W	3	-	o	3	57	46		
	Biggavands Huk	1018.1	52	W	1	bc	1016.2	0	52	+2	WSW	2	-	o	0	54	46		
	Haberønde	1005.6	53	ESE	2	c	1014.8	-4	41	-7	NW	4	-	o	0	54	41		
	Hernösand	1006.7	45	-	0	c	1009.8	+1	52	+6	NNW	6	-	o	0	54	41		
	Stockholm	1011.0	54	WSW	4	o	1004.9	0	54	+4	WSW	4	-	o	0	59	46		
	Wigby	1015.3	50	SW	4	o	1015.0	-1	54	+6	SW	4	-	o	0	58	46		
	Karlösa	1010.9	54	WSW	4	bc	1010.6	0	52	0	W	4	-	o	0	57	43		
	Lisbon	1015.9	64	WNW	5	bc	1015.8	+2	59	0	WNW	5	-	o	0	68	57		
	Malta	*	*	*	*	*	1015.3	+3	70	0	SE	3	-	o	1	73	68		
	Azores (Horta)						1019.1	+2	66	0	SW	4	*	o	3	72	66		

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.†	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall. mm.†	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.						° F.	° F.			
Scotland.													
Oban ...	1	57	45	c.b.c.	od	0.0	Tunbridge Wells ...	-	69	40	b	b.b.c.	11.6
Banff ...	1	58	42	c.b.c.	od	1.6	Margate ...	-	60	41	b	b	12.8
Carnoustie ...	-	60	41	o.g.c.	rg.b.	3.9	Ramsgate ...	-	62	?	b	b	13.0
St. Andrews ...	-	61	43	o.g.	rg.*	2.3	Hastings ...	-	63	47	b	b	13.1
England, N.E.							Bexhill-on-Sea ...	-	60	48	b	b	12.8
Harrogate ...	?	65	43	b.c.b.c.	c.o	7.8	Eastbourne ...	-	61	42	b	b	13.0
Skegness ...	?	63	42	b.c.	b.c.o	10.9	Seaford ...	-	66	43	b	b	12.2
England, N.W.							Brighton ...	-	62	43	b.b.c.	b.c.	12.5
Morecambe ...	?	65	?	b	b.c.o	7.1	Worthing ...	-	65	43	b	b	13.1
Blackpool ...	-	62	42	b.b.c.	c.o	8.2	Littlehampton ...	-	62	41	b.c.	b.c.	12.5
Southport ...	-	62	42	b.b.c.	c.o	8.2	Bognor ...	-	62	44	b	b	11.9
Midlands.							Southsea ...	-	65	45	b	b	13.5
Buxton ...	-	65	36	b.c.	b.c.	10.2	Bournemouth ...	-	63	42	b	b	13.0
Leamington Spa ...	-	70	38	b.c.	b.b.c.	12.2							
Malvern ...	-	67	43	b	b.c.	11.0							
Ross-on-Wye ...	-	68	35	b.w	b.c.	10.0							
Wales.													
Rhyl ...	-	65	39	b	b	9.0	Weymouth ...	-	67	47	b.c.	b.b.c.	11.8
Colwyn Bay ...	-	64	44	b.c.	b.c.o	9.0	Torquay ...	-	64	45	b	b.c.	12.0
Llandudno ...	-	64	45	b.c.	b.c.	8.2	Paignton ...	-	60	44	b	b.c.	10.2
Aberystwyth ...	-	60	41	o.c.b.	b.c.o	8.5	Falmouth ...	-	60	44	b	b.c.	10.2
Tenby ...	-	58	38	b.c.	b.c.o	7.5	Penzance ...	-	59	42	b.c.	c.o	8.5
England, E.							Newquay ...	-	63	37	b.c.	b.c.	9.0
Cromer ...	-	62	48	b.c.	b.c.	11.3	Ilfracombe ...	-	57	43	b	b.b.c.	10.5
Lowestoft ...	-	62	44	b	b.c.	11.0	Weston-super-Mare ...	-	69	40	b	b.b.c.	11.0
Felixstowe ...	-	59	42	b	b	11.8							
Walton-on-Naze ...	-	62	43	b	b.b.c.	11.3							
Southend-on-Sea ...	-	65	46	b	b.b.c.	13.0							

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.										
Greenwich (Royal Obs.) ...	%	%	Hr.	° F.	° F.	° F.	mm.‡			
City (Bunhill Row) ...	47	72	10.4	75	47	36	-	b.be	c	c.od
Westminster (St. James's Pk.)	*	*	6.9	*	*	*	*	*	*	*
Camden Sq. (Brit. Rainfall)	47	75	9.0	71	48	41	-	b	be	bca.
Hampstead (Reservoir) ...	53	68	8.0	69	50	46	Trace	b.c	be	*
Richmond Park	*	74	9.2	62	46	33	-	b	be	od.o
Kew. (See front page.)	*	*	10.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	50	69	7.5	Total. 1543 Joules		Average Rate. 26.3 Milliwatts.		Max. Rate. 62 Milliwatts.		

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

3rd & 4th June 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.36	11.57	8.6
Greenwich ...	3.35	11.57	8.7
Wick ...	3.49	11.58	8.8
Valencia ...	3.15	12.10	9.6
	4.27	12.39	9.51
	4.26	12.39	9.52

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; 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.

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
	mm. §	° F.	° F.	° F.				Hr.
Dublin to 4 p.m.	—	59	46	41	0	c	ot	*
Darwen to 9 p.m.	—	65	40	37	b.c.w	b.c.	b.c.o	7.2
Manchester "	—	69	40	*	b.c.	b.c.	b.c.o	8.6
Birmingham "	*							*
Oxford to 8 p.m.	*							*
Teignmouth to 9 "	—	65	44	42	b	b	b.b.c.	11.5
Plymouth "	"							
S. Kensington (Museum Grounds to 6 p.m.)		72	46	38	c. b.c.	b.c.	b.c.b.c.	*

## NOTES ON YESTERDAY'S WEATHER.

Temperature rose to about 70° at some English stations, but remained below 60° in Ireland. Heavy rain fell at Valencia; smaller quantities in most other places. Much bright sunshine was recorded over the greater part of England.

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. and at the bookstalls at certain Railway Termini in London.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 155. Friday, 4th June 1915.

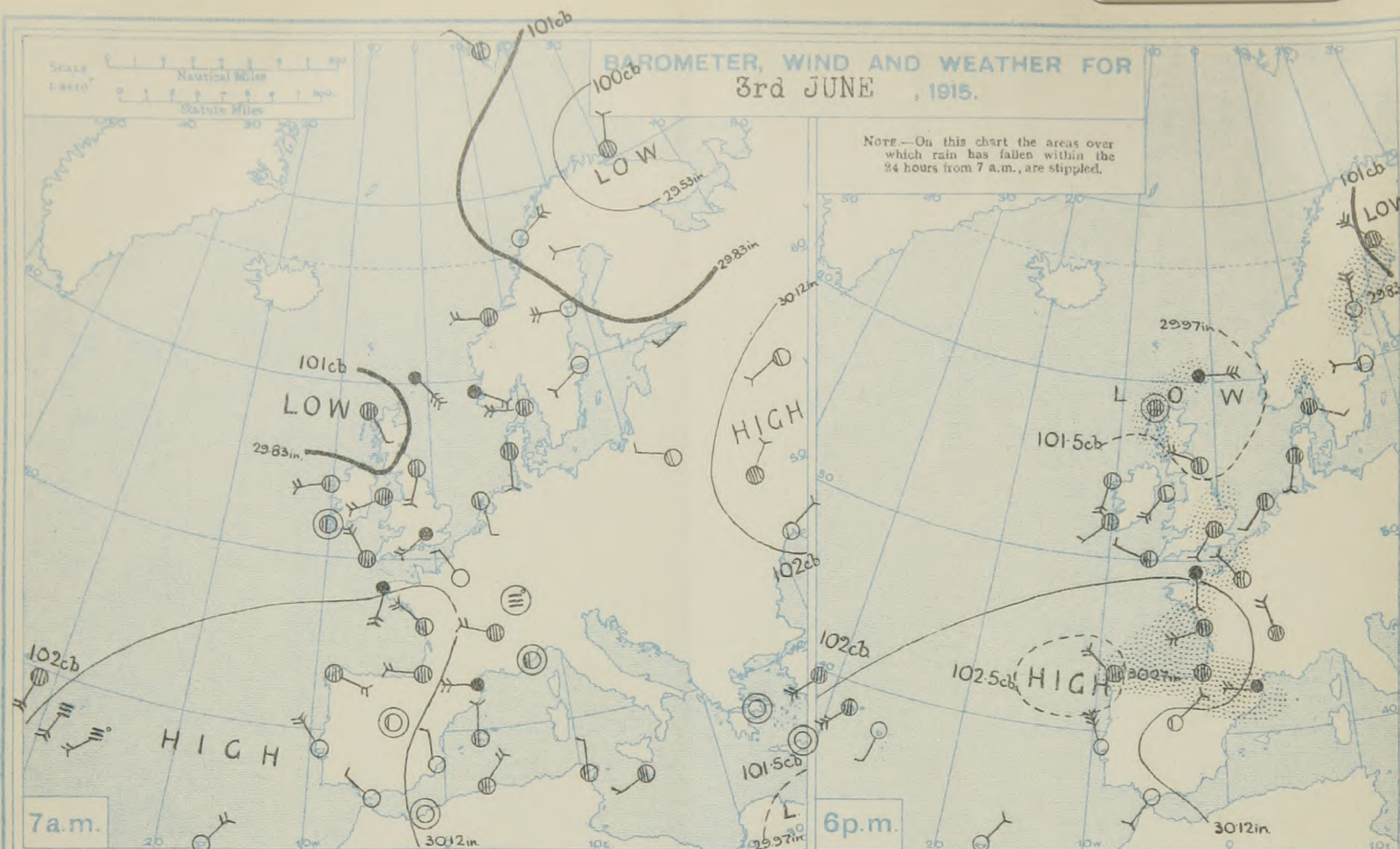
DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Remarks for Yesterday.
		Barom. Millibars at M.S.L.	Temp.	WIND.		Weather.	Millibars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	WIND.	Force 0-12.	Dir. of Upper Cloud.	Weather.	Sea 0-8.	Rain-fall. Millimetres.	TEMP.		WEATHER.			
				Dir.	Force 0-12.												Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1012.9	46	E	5	fd	1015.9	+1	49	+2	WSW	2	-	C	2	6	49	46	omr	om. fd	fac	Hours.
	Deerness	1011.8	54	NW	4	bc	1016.2	-	52	+4	S	3	SW	C	2	-	58	45	C	C. bc	bc. c	10.1
	Stornoway	1013.8	54	-	0	o	1015.5	0	52	+3	SSW	5	-	og	5	1	55	49	o	o	C. opq	0.4
	Castlebay (Barraisd.)	1015.3	52	SW	4	o	1016.5	0	52	+2	SSW	5	-	op	5	Trace	55	50	o	o. c. o.	oh	4.0
	Glasgow	1015.8	54	W	3	C	1019.4	+1	49	+2	ESE	1	W	C	+	0.2	56	44	odg. p. o	C. c. o. c	bc. bc.	1.7
	Eskdalemuir	1016.0	54	W	3	o	1021.0	+2	49	0	SE	1	W	bc	+	0.1	57	36	oe	o	C. bc	1.4
	Malin Head	1016.1	55	W	3	bcn	1018.5	+1	55	+5	S	3	W	b	1	-	56	48	bcn	bcn	bc	6.6
	Blacksod Point	1016.4	56	SSW	4	bcn	1018.7	+2	52	0	SSW	4	-	og	4	Trace	58	50	bcn	bcn	bcn. c.	12.2
	Valencia	1018.4	56	SW	1	C	1021.0	+1	54	+4	SE	1	SW	bc	4	-	60	52	bc	bc	C. c. bc	
	Roche's Point	1018.5	60	SSW	2	b	1022.4	-	55	+2	SW	1	W	bc	2	-	62	51	b. bc	bc. b	b. bc	
	Birr Castle	1017.2	65	W	2	bc	1020.9	-	55	+3	W	1	W	bc	2	-	68	49	bc	bc	bc	11.6
	Donaghadee	1017.0	54	ESE	3	bc	1019.5	+2	52	-1	S	1	S	bcn. w	0	-	61	46	bc	bc	bc. bc.	
	Liverpool (Bidston)	1016.0	57	WNW	3	b	1022.1	+3	55	+4	SE	1	-	b	1	-	59	48	o	b	bcn	4.9
	Holyhead	1018.0	56	SW	4	bc	1021.3	+2	53	+1	SW	4	-	of	3	-	60	50	bc	bc	b. bc. c.	6.3
	Pembroke (St. Ann's)	1019.7	54	W	2	bc	1022.8	+2	54	+2	SW	1	-	bcn	1	-	56	48	og. dm	b	bc	5.6
	Scilly (St. Mary's)	1019.6	58	WNW	1	C	1022.8	+3	55	+3	-	0	SW	C	2	-	60	51	C	C	bc. bc	8.5
	Falmouth	1019.2	58	NW	2	b	1024.0	+4	56	+1	WSW	2	-	bcw	2	0.3	62	46	d. bc. b	b	f. bcw	8.7
	Jersey (St. Aubin)	1019.6	57	S	2	odm	1024.3	-	52	+2	W	3	-	ome	2	2	58	49	ond	ond	f. om	3.0
	Portland Bill	1018.0	53	WSW	2	m	1022.8	+2	52	+2	SW	2	-	cm	2	-	55	48	cm	of	C. bcw	
	Dungeness	1018.8	54	SW	4	o	1022.4	+2	55	0	-	0	-	o	0	-	59	53	C. c. o.	C. c. o.	of. o.	
	Dover	1018.9	55	SW	4	C	1022.8	-	58	+2	SW	1	SW	og	2	-	60	53	b. bc. o	C. bc. c	C. og	5.4
	Wick	1012.3	56	NW	3	bc	1016.8	+2	50	+2	SSW	2	-	bc	2	-	57	40	cm. omg	om. bc	om. bc	
	Nairn	1013.0	60	-	0	og	1017.0	-	54	+7	WSW	2	-	b	1	0.1	60	45	C. bc. c	d. c	C. bc	1.2
	Aberdeen	1013.9	57	NE	1	bc	1018.3	+2	54	+8	SE	1	SW	b	2	-	60	44	o	C. c	bc. b	1.3
	Leith	1013.3	59	SW	3	bc	1019.5	+1	55	0	-	0	-	b	+	-	60	46	og	C. bc	b	
Tynemouth	1014.4	60	WNW	3	cm	1020.7	+3	55	+3	WNW	1	W	bc	2	-	62	48	cm	cm	bc		
Spurn Head	1016.6	61	NW	2	o	1022.1	+4	58	+6	WNW	2	-	bc	3	-	66	49	C	bc. om	bcn	0.1	
Yarmouth	1017.5	64	W	2	o	1022.3	+3	54	+1	W	2	-	bcn	1	0.1	68	50	omp. c	C. o	C. bcn	2.0	
Clacton-on-Sea	1017.8	62	WSW	3	og	1022.4	+4	55	0	W	1	-	ogm	0	-	65	51	og. c	C. og	ogm	1.1	
Nottingham	1016.2	65	W	2	bc	1022.2	-	51	+2	W	1	W	bcn	+	-	66	42	oe	C. bc	bc. b	2.8	
Bath	1017.6	63	W	1	bc	1022.9	-	52	0	W	1	-	m	+	-	65	49	o	C. bc	bcn	0.9	
Sth Farnborough	1018.2	56	SSW	3	o	1022.4	+2	55	+6	SW	1	-	o	+	-	57	49	o	o	o	0.0	
London (Kew Obsy.)	1018.8	59	SW	2	o	1022.8	+2	54	+4	WSW	1	-	om	+	Trace	62	50	om. o	o	om. om	0.0	
ICELAND, FAEROE, &c.	Spitsbergen																					
	Isafjord...																					
	Reykjavik																					
	Vestmanna																					
	Seydisfjord																					
NORTHERN EUROPE.	Thorshavn																					
	Vardö																					
	Bodö																					
	Christiansund																					
	Skudesnaes																					
FRANCE, &c.	Færder (X'tania Fjord)	1014.4	48	SW	2	T	1019.4	+2	48	0	NE	2	-	T	1	4	52	46				
	The Scaw (Skagen)	1014.6	52	ESE	1	o	1017.3	+2	55	+5	WSW	1	-	o	1	-	59	48				
	Blaavands Huk	1016.6	54	SSW	2	o	1019.5	+1	64	0	W	2	-	m	1	-	64	50				
	Haparanda	1008.2	43	NW	4	o	1017.1	+2	48	+9	NNW	4	-	b	+	4	48	37				
	Hernösand	1013.9	52	N	4	b	1019.4	+3	60	+2	N	2	-	b	+	Trace	55	45				
SOUTHERN EUROPE.	Stockholm	1014.6	59	W	2	b	1019.3	+3	54	0	N	2	NW	b	+	-	61	48				
	Wisby	1017.5	54	WSW	3	b	1021.2	+3	50	0	NNW	2	W	bc	+	-	57	48				
	Karlstad	1016.6	55	WSW	2	C	1020.4	+3	50	+2	SE	2	-	C	+	-	61	46				
	Petrograd (5 a.m. G.M.T.)																					
	The Helder	1017.6	57	SW	1	C	1021.5	+2	57	-4	WSW	2	-	C	1	-	64	54				
SOUTHERN EUROPE.	Brussels																					
	C. Gris Nez	1019.3	54	SW	4	o	1022.3	+2	54	-3	SW	1	-	f	2	1	61	52				
	La Hève	1019.1	59	W	2	f	1023.0	-	54	0	NW	3	-	f	2	1	63	52				
	Ushant	1021.2	54	NW	2	m	1024.2	-	54	-1	W	1	-	o	3	-	61	48				
	Brest (St. Mathieu)	1021.0	59	NNW	2	m	1025.0	+3	52	-2	NW	2	-	o	5	-	66	48				
SOUTHERN EUROPE.	Rochefort (Ile d'Atx)	1023.1	59	WSW	4	o	1024.4	0	57	-3	SW	2	-	f	+	2	66	57				
	Biarritz	1024.6	61	-	0	o	1023.2	0	59	0	WSW	3	-	f	2	2	68	55				
	Paris	1019.4	68	W	2	b	1024.0	+3	62	-6	WNW	1	-	o	+	-	81	59				
	Belfort																					
	Lyons	1019.3	64	NNW	3	o	1023.8	-	60	-4	NW	2	-	o	+	2	73	59				
SOUTHERN EUROPE.	Nice																					
	Perpignan	1019.9	53	W	3	f	1021.3	0	66	+5	WNW	4	-	b	+	5	70	61				
	Sanguinaire	?	64	SW	3	bc	?	-	69	+1	E	2	-	bc	4	-	75	63				
	Corunna (7 a.m.)	1026.0	63	NW	3	o	1029.3	+2	61	+4	NNE	2	-	f	1	1	68	?				
	Madrid (8 a.m.)	1019.9	72	NE	2	b	1025.2	+2	63	+6	SE	1	SE	f	+	-	72	56				
SOUTHERN EUROPE.	Lisbon (9 a.m.)	1021.9	73	NNE	6	b	1023.1	+1	68	+4	-	0	-	b	5	-	77	6				

## RAINFALL.

Equivalents of Millimetres.  
in Inches.

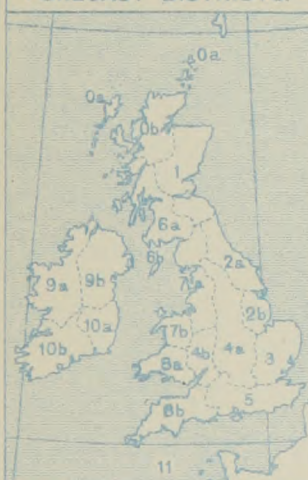
mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
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









**FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.**

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

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

**NO WARNINGS ISSUED.**

Western Channel and Bay. 11

- 0 { a } Southerly and South-Westerly winds, light to fresh;  
 { b } cloudy generally, some rain locally; moderate temperature.  
 1 { Wind mainly South-Westerly or Southerly, light; mostly  
 { fair; moderate temperature.

- 2 { a }  
 { b } Wind light, mainly from some Westerly point;  
 3 {  
 { fair generally; moderate warmth.  
 4 { a }  
 { b }  
 5 {

- 6 { a } Same as No. 1.  
 { b }

- 7 { a } Westerly or South-Westerly winds, light; fair  
 { b } generally, some mist on coast.  
 8 { a }  
 { b }

- 9 { a } Wind between South and West, light or moderate; mostly  
 { b } fair; moderate temperature.  
 10 { a }  
 { b }

Light Westerly winds; sea smooth or slight; some mist, otherwise fair.

**FURTHER OUTLOOK.**

R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director

Millibars  
1050  
1040  
1030  
1020  
1010  
1000  
990  
980  
970

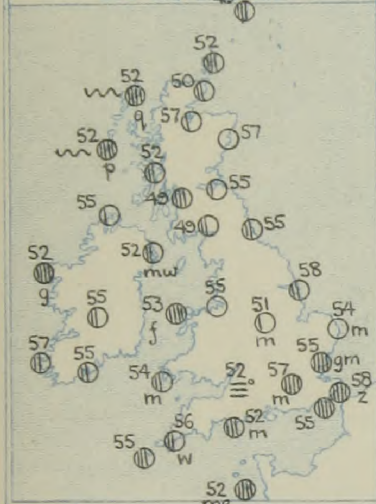


# SYNOPTIC CHART FOR 7 a.m., FRIDAY, 4th JUNE, 1915.

## GENERAL INFERENCE.

A depression appears to lie between Scotland and Iceland, but there are no indications that it will have any important influence on the weather over the United Kingdom.

### TEMPERATURE, WEATHER AND SEA DISTURBANCE.



### EXPLANATION.

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

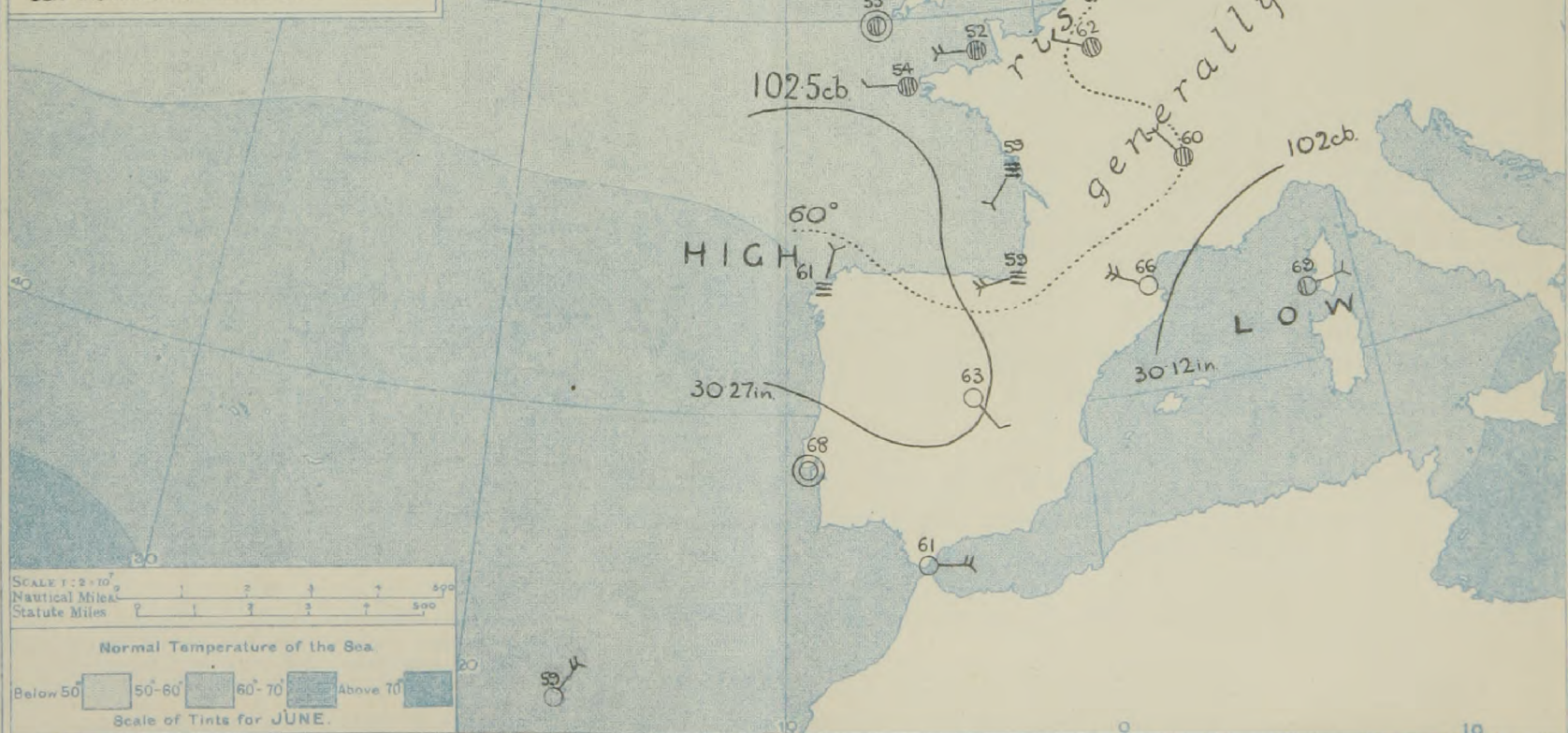
**WIND.**—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm.

**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. T, thunderstorm.

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



SCALE 1:250,000  
Nautical Miles 1 2 3 4 5  
Statute Miles 1 2 3 4 5

Normal Temperature of the Sea.

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



## DAILY WEATHER REPORT.

Friday, 4th June, 1915.

## REPORTS

FOR  
YESTERDAY.

3rd June, 1915.

## EVENING OBSERVATIONS.

## OBSERVATIONS AT 7 A.M., G.M.T.

STATIONS.	Barom. Millibars at M.S.L.	TEMP. °F.	WIND.			Weather.	Barometer. Millibars at M.S.L.	Change in 3 hours.	TEMP. °F. Dry Bulb.	Change in 24 hours.	WIND.	Direc. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-2.	Rain- fall. Milli- metres.	TEMP.	
			Direc.	Force 0-12.	Weather.												Max.	Min.
Spitsbergen	1013.2	30	NW	4	c		1013.2	0	28	-2	NW	1	*	c	*	*	36	25
Vardø	995.3	36	NNE	6	7		995.6	+3	39	-2	NNE	2	-	o	4	*	41	36
Bodo	1003.9	45	E	2	b		1002.2	+3	43	+2	NE	4	-	o	2	-	48	39
Christiansund	1014.0	41	W	6	o		1017.9	+2	39	0	W	3	-	o	4	10	45	37
Skudenes	1018.1	48	WSW	2	b		1017.0	0	45	-1	SE	3	-	o	4	4	50	41
Færder	1013.9	55	WNW	3	b		1017.6	+1	48	0	NNW	1	-	o	1	-	55	48
The Scaw	1015.9	52	W	4	b		1016.6	+1	50	+4	W	4	-	o	3	-	55	43
Blaavand's	1019.5	50	NNW	1	c		1019.5	0	54	+2	SSE	2	-	o	1	-	55	43
Haparanda	998.0	46	W	4	o		1001.1	+2	39	-2	W	2	-	o	1	17	45	39
Hernösand	1007.5	52	SW	2	c		1010.9	0	48	-4	W	4	NW	b	*	Trace	55	41
Stockholm	1009.9	57	W	3	b		1013.3	+3	56	0	SW	2	-	o	*	Trace	57	48
Wisby	1013.4	52	WSW	2	b		1016.8	+2	50	-4	WSW	2	-	o	*	Trace	59	43
Karlstad	1011.7	59	W	4	b		1015.7	+1	48	-2	WNW	4	-	o	*	-	61	38
Lisbon	1018.1	64	NW	5	b		1022.6	+2	61	-4	NW	4	-	o	2	-	68	67

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. &	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. &	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.							Tunbridge Wells ...		61	44	o.c.	c.o.	0.2
Oban ...	6	56	46			1.1	Margate ...		66	49	o.c.	c.o.	1.6
Banff ...	6	58	47	c	b.c.c.	1.2	Ramsgate ...		64	46	o	c	2.8
Carnoustie ...	2	66	46	o.c.	b.c.c.	2.1	Hastings ...		58	49	o.c.	o	0.6
St. Andrews ...	2	65	47	*	*	2.0	Bexhill-on-Sea ...	1	57	40	o	o	0.0
England, N.E.							Eastbourne ...		58	45	o	o.c.	0.0
Harrogate ...	1	60	49	c.b.c.	c.b.c.	4.1	Seaford ...		60	45	o	o	0.0
Skegness ...	-	64	51	o	o	1.9	Brighton ...		56	42	o	o.c.	0.0
England, N.W.							Worthing ...		56	45	o	o	0.0
Morecambe ...	1	57	48	o.c.	o.b.c.	1.0	Littlehampton ...	Trace	61	46	o	o.c.	0.0
Blackpool ...	3	58	49	o	c.o.b.	1.0	Bognor ...	1	56	44	o.c.	o.c.	0.0
Southport ...	3	58	48	o.c.	c.o.	0.8	Southsea ...	0.3	50	50	o	o	0.0
Midlands.							Bournemouth ...	1	57	49	o	o	0.0
Buxton ...	3	58	45	b.c.	b.c.	1.3	Weymouth ...	1	54	49	o	o.c.	0.0
Leamington Spa ...	2	66	47	c	c.b.c.	3.2	Torquay ...	1	65	50	o.c.	c.b.c.	3.7
Malvern ...	15	63	46	c.b.c.	b.c.	1.7	Paignton ...						
Ross-on-Wye ...	2	67	47	o.c.b.c.	b.c.b.	2.8	Falmouth ...	6	62	49	o.c.b.c.	b	4.2
Wales.							Penzance ...	9	62	57	o.c.b.c.	b	7.8
Rhyl ...	-	58	52	c.b.c.	b	3.9	Newquay ...	4	58	49	o.c.b.c.	b.c.	6.2
Colwyn Bay ...	-	?	49	c.b.c.	c	4.0	Ilfracombe ...	2	57	50	o.c.	c.b.c.	3.5
Llandudno ...	-	62	50	b.c.c.	c	4.0	Weston-super-Mare ...	2	62	47	o	b.c.b.	2.0
Aberystwyth ...	-	59	49	o.c.	c.b.c.	3.5							
Tenby ...	4	64	49	b.c.	b.c.	6.0							
England, E.													
Cromer ...	1	66	51	o.c.	c.o.	2.7							
Lowestoft ...	-	67	47	o.c.	c.o.	2.1							
Felixstowe ...	-	65	49	o	o	1.3							
Walton-on-Naze ...	-	62	49	c.b.c.	b.c.c.	1.8							
Southend-on-Sea ...	-	?	49	o.c.b.c.	b.c.c.	0.7							

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.		
				Max.	Min.							
24 HOURS ENDED 9 A.M. TO-DAY.												
	%	%	Hr.	° F.	° F.	° F.	min. §					
Greenwich (Royal Obs.) ...	71	84	0.4	67	54	53	—	0	0	0		
City (Banhill Row) ...	*	*	0.1	*	*	*	*	*	*	*		
Westminster (St. James's Pk.)	85	88	0.2	62	54	54	—	4d	0	0		
Camden Sq. (Brit. Rainfall)	74	79	0.2	67	55	54	—	0c	0	*		
Hampstead (Reservoir) ...	*	83	0.0	59	60	42	—	0	om	om		
Richmond Park ...	*	*	0.6									
Kew. (See front page.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.								
				Total.		Average Rate.		Max. Rate.				
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				947 Joules		16.1 Milliwatts.		55 Milliwatts.				
S. Kensington (Roof of M.O.)	78	84	0.1									

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
	mm. §	° F.	° F.	° F.				Hr.
Dublin to 4 p.m.								
Darwen to 9 p.m.								
Manchester "	1	61	49	*	0p. 0	0	0c. c	
Birmingham "	2	64	45	43	*	0	a. c	1.0
Oxford to 8 p.m.								
Teignmouth to 9,,								
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	—	62	49	40	1c. c. b	0d. p. c	0	

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

4 <sup>th</sup> + 5 <sup>th</sup> JUNE, 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.35	11.57	8.7
Greenwich ...	3.45	11.58	8.8
Wick ...	3.47	11.58	8.9
Valencia ...	3.14	12.10	9.7
	3.13	12.10	9.8
	4.26	12.39	8.53
	4.25	12.39	8.53

## NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 68° at Birr Castle, and to above 65° at a few other stations. Slight rain fell in isolated parts of the Kingdom, but generally the weather was dry, with much cloud. In Ireland, however, the sunshine records were large.

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 id. at M.O. and at the bookstalls at certain Railway Termini in London.



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 156.

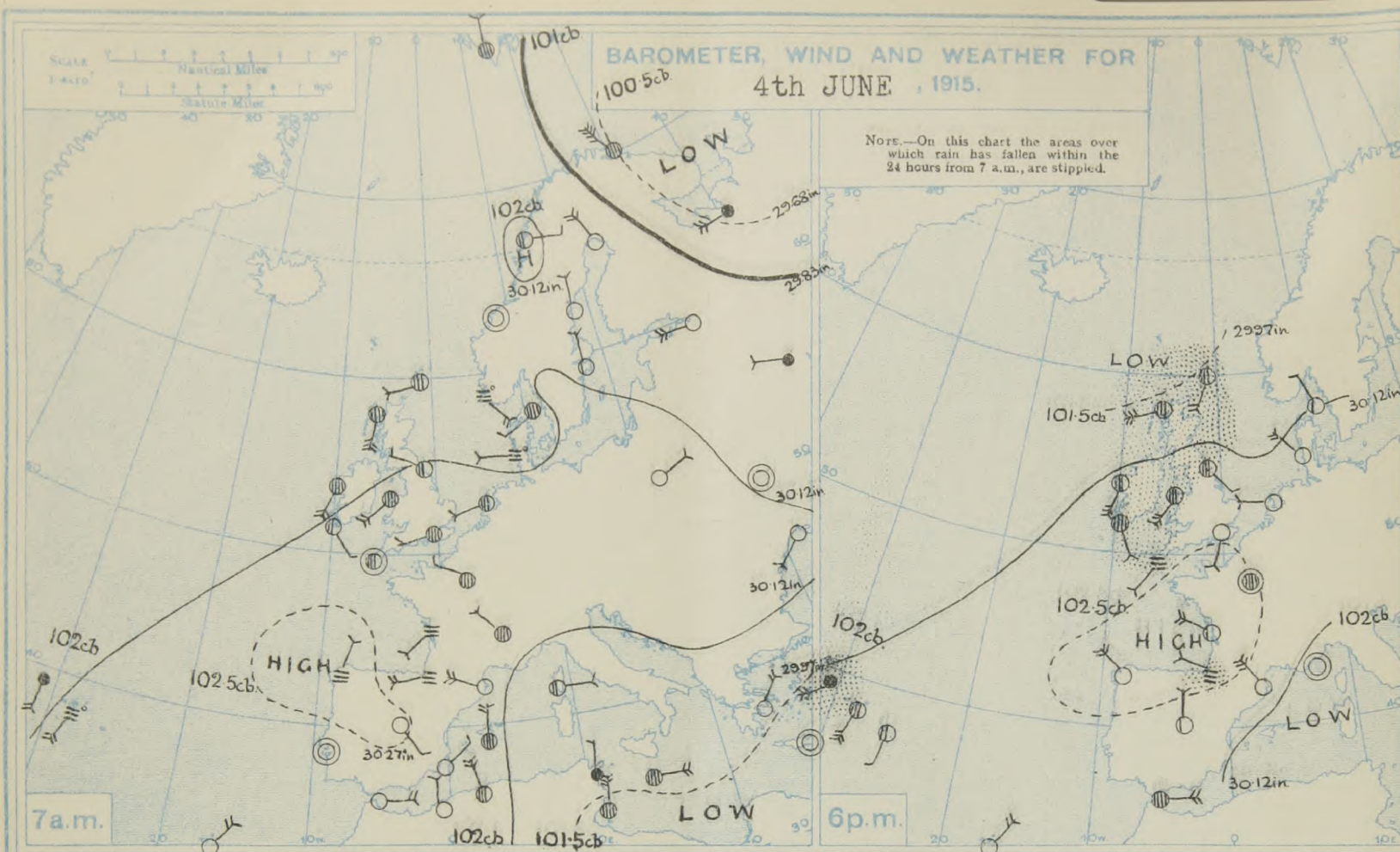
Saturday,  
5th June, 1915.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	Temp.	Wind. Direc.	Force 0-12.	Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Wind. Direc.	Force 0-12.	Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	Temp. Max.	Temp. Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick ...	1016.9	51	SSW	3	c	1015.2	+1	50	+1	SW	2	-	om	2	4	55	47	c	bcm	bc cm	Hours.
	Deerness ...	1017.3	57	S	2	b	1015.6	+	52	0	WSW	2	SW	c	2	1	57	49	c	c. bc. b.	b. bc. c.	3.6
	Stornoway ...	1016.4	57	WSW	5	cq	1015.9	+1	54	+2	NNW	3	-	c	3	2	59	50	op. cq	cq	bc. o. c	5.6
	Castlebay (Barra Isd.) ...	1018.1	53	SW	4	om	1017.1	0	52	0	W	3	W	om	3	0.3	55	50	om. c. om	om. c. om	om	2.8
	Glasgow ...	1020.1	61	SW	3	c	1017.8	-1	50	+1	-	0	-	r	*	13	66	48	cq. bcq	b. bc. cq	od. p. or	10.0
	Eskdalemuir ...	1021.5	60	SSW	3	b	1017.2	-2	50	+1	SW	3	-	om	*	5	63	46	z. c. bc	bc. b	bc. o	10.0
	Malin Head ...	1019.6	55	W	5	cq	1018.1	0	50	-5	SW	3	-	om	2	12	61	49	bcq	cq	omr	7.4
	Blacksod Point ...	1020.0	49	SSW	5	emp	1019.8	+4	51	-1	W	3	NW	bc	2	8	58	46	cm	cm	omr	*
	Valencia ...	1021.8	57	SSE	2	o	1020.0	+5	54	-3	N	3	NW	o	4	3	64	52	c	cv. om	om. o. o	8.8
	Roche's Point ...	1023.3	59	SW	3	c	1019.8	*	57	+2	SW	3	-	o	3	1	61	55	bc	bc. c	of. d. om	*
	Birr Castle ...	1021.2	66	WSW	1	c	1019.9	*	52	-3	NW	2	+	r	*	13	69	52	c	c	og. r	6.6
	Donaghadee ...	1020.2	60	SW	4	bcm	1018.6	+1	51	-1	NW	2	-	om	*	18	68	49	bcm	bcm	cq. of. r	*
	Liverpool (Bidston) ...	1023.0	57	NW	1	c	1017.9	-2	59	+4	SSW	1	S	o	2	-	68	53	bc	bc	bc. o	8.5
	Holyhead ...	1022.8	55	SW	5	c	1018.3	0	52	-1	SW	5	-	fr	4	3	58	51	o. c. bc	c. o. c. o. c	c. of. r	5.8
	Pembroke (St. Ann's) ...	1024.4	54	SSW	1	o	1021.1	-1	53	-1	SW	4	-	fd	4	0.4	58	52	bcm	cm	om	7.1
	Scilly (St. Mary's) ...	1024.2	56	SW	2	fe	1023.7	+1	55	0	WSW	3	-	fe	3	0.1	59	52	c. om	fe	fe	1.3
	Falmouth ...	1024.9	56	S	1	o	1024.2	+1	55	-1	SW	3	-	d	2	Trace	62	52	b. bc	bc. c. om	om. d. d	7.4
	Jersey (St. Aubin) ...	1026.2	59	SW	3	b	1025.8	*	57	+5	SW	2	-	om	1	-	62	49	o. c. bc	b.	b. om	8.1
	Portland Bill ...	1025.2	54	SSW	3	b	1024.4	+1	53	+1	WSW	3	-	m	3	-	56	50	o	o. c. bc	bc. f	*
	Dungeness ...	1024.8	56	SW	3	c	1024.3	0	57	-4	SW	4	-	f	4	-	68	49	of. o	o. bc	c. f. o. f	*
	Dover ...	1024.8	55	S	2	b	1024.7	0	54	-4	SW	3	SW	b	4	-	61	43	z. o. c. bc	bc. c. b	b. bc. o. b	5.4
	Wick ...	1017.1	59	SSW	3	c	1015.7	-1	53	+3	NW	2	-	o	2	1	61	49	bcm	cmr	bc. om	*
	Nairn ...	1018.1	56	WSW	3	bcq	1016.9	*	51	-6	-	0	-	od	1	3	68	50	b. bc	ceq	cd	10.2
	Aberdeen ...	1018.2	70	WSW	3	bc	1017.1	-1	53	-4	-	0	-	or	2	4	70	52	b. bc	bc	bc. or	9.7
	Leith ...	1018.8	68	WNW	2	r	1017.3	0	51	-4	ENE	1	-	r	*	6	70	50	bc. bc	b	c. o. r	*
	Tynemouth ...	1020.6	57	SE	1	cm	1018.8	-2	55	0	W	1	-	omp	3	1	64	53	cm	cm	cf. r	*
	Spurn Head ...	1023.5	60	SSE	4	c	1020.6	-1	58	0	WSW	4	-	om	4	-	65	50	bcm	c	c	9.5
	Yarmouth ...	1023.6	56	ESE	2	cm	1022.2	0	62	+8	S	2	-	c	1	-	63	53	bcm. cm	cm	bc. c	10.1
	Clacton-on-Sea ...	1023.5	60	S	3	cq	1023.5	0	57	+2	SSW	3	W	cq	3	-	64	53	og. bcq	bc. cq	cuq	6.7
	Nottingham ...	1021.6	69	SW	2	c	1020.1	*	60	+9	SW	3	SW	c	*	-	74	57	bm	bc	c. o. c	10.1
	Bath ...	1023.9	68	W	1	c	1023.0	*	60	+8	SW	2	SW	o	*	-	72	51	bm	b. bc. c	c. bc. o	7.7
	Sth Farnborough ...	1023.3	68	SW	3	b	1023.2	0	57	+2	WSW	3	-	o	*	-	73	50	o. bc	bc. b	b. bc. o	9.4
	London (Kew Obs.) ...	1023.7	71	SSW	2	b	1023.5	0	58	+1	SW	4	-	o	*	-	74	52	om. o. b	b. bc. b	b. bc. o	7.4
ICELAND, FAEROE, &c.	Spitsbergen ...															*						
	Isafjord ...															*						
	Reykjavik ...															*						
	Vestmanna ...															*						
	Seydisfjord ...															*						
	Thorshavn ...															*						
NORTHERN EUROPE.	Vardö ...															*						
	Bodö ...															*						
	Christiansund ...															*						
	Skudesnaes ...															*						
	Færder (X'tania Fjord) ...	1020.2	55	-	0	b	1019.9	0	54	+6	SSW	1	-	o	1	-	55	48				
	The Scaw (Skagen) ...	1020.0	55	NNW	1	b	1021.3	0	54	-1	WSW	2	-	o	2	-	63	45				
	Blaavands Huk ...	1023.3	57	NW	2	b	1023.0	-2	55	+1	S	1	-	m	1	-	59	48				
	Haparanda ...															*						
	Hernösand ...															*						
	Stockholm ...															*						
FRANCE, &c.	Wisby ...															*						
	Karlstad ...															*						
	Petrograd (5 a.m. G.M.T.) ...															*						
	The Helder ...	1024.4	57	W	1	b	1023.7	0	54	-3	SSW	3	-	f	1	-	61	46				
	Brussels ...	*	*	*	*	*										*						
	C. Gris Nez ...	1024.3	54	SW	5	m	1024.8	+1	50	-4	SW	4	*	f	3	Trace	61	48				
	La Hève ...	1026.1	54	NNW	4	b	1029.0	*	54	0	WNW	1	*	b	1	-	68	48				
	Ushant ...	1026.6	56	SW	1	m	1025.5	*	53	-1	SW	1	*	m	5	-	61	52				
	Brest (St. Mathieu) ...	1027.5	57	SW	3	m	1027.1	0	55	+3	SW	3	*	m	3	-	70	52				
	Rochefort (Ile d'Aix) ...	1026.0	62	WNW	4	b	1026.7	0	65	-4	NW	2	*	m	*	-	68	57				
SOUTHERN EUROPE.	Biarritz ...	1027.0	61	WNW	2	f	1026.1	0	59	0	NE	1	*	f	2	7	61	59				
	Paris ...	1025.0	68	E	1	bc	1026.1	0	61	-1	-	0	NW	b	*	-	70	52				
	Belfort ...															*						
	Lyons ...	1023.6	67	NNW	4	c	1025.1	*	62	+2	NNW	2	*	o	*	-	73	60				
	Nice ...	1018.7	68	-	0	b	1018.4	+1	73	-	-	0	*	r	0	-	77	59				
	Perpignan ...	1021.2	68	NW	5	b	1022.0	+1	68	+2	NW	3	-	o	*	-	77	63				
	Sanguinaire ...	?	73	N	2	bc	?	*	71	+2	NW	2	*	c	2	-	77	63				
	Corunna (7 a.m.) ...	1028.6	63	NW	4	b	1026.9	0	57	-4	ENE	2	-	f	2	-	68	57				
	Madrid (8 a.m.) ...	1021.0	77	N	2	b	1022.4	0	66	+3	NE	3	-	b	*	-	81	59				
	Lisbon (9 a.m.) ...															*						
SOUTHERN EUROPE.	Gibraltar ...	1021.7	70	E	4	b	1021.7	*	63	+2	SE	3	*	b	2	-	80	59				
	Rome ...															*						
	Malta (8 a.m.) ...	*	*	*	*	*	1012.3	+2	70	0	E	4	S	o	4	7	77	70				
	Azores (Horta, 8 a.m.) ...	1021.1	*	SSW	5	c	1022.4	+5	64	-2	SW	4	*	r	3	3	72	57				
	Madeira (Funchal) ...	1020.4	73	NE	3	b	1019.9	+1	63	+4	NE	3	-	b	3	-	73	59				

RAINFALL.  
Equivalents of Millimetres.  
in Inches.

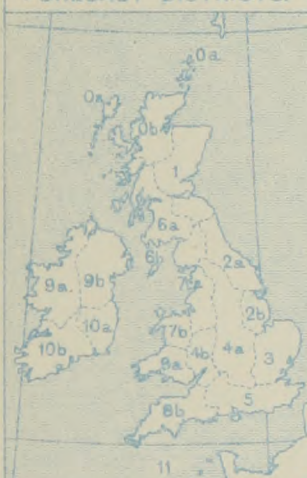
mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
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





**FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.**

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

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

No Warnings Issued.

Western Channel and Bay 11

- |    |   |   |   |
|----|---|---|---|
| 0  | a | } | Wind light between West and North-West; much cloud, some rain; cool.  |
| 1  | b |   |   |
| 2  | a | } | South-Westerly to Westerly winds, light or moderate; mostly cloudy or overcast, some showers, local fog on coast, fairer to-morrow; moderate temperature. |
| 3  | b |   |   |
| 4  | a | } | South-Westerly to Westerly winds, light or moderate; mostly cloudy or overcast, some showers; moderate temperature.                                       |
| 5  | b |   |   |
|    |   |   | Same as Nos. 2 and 3.   |
| 6  | a | } | Same as Nos. 0 and 1.   |
| 7  | b |   |   |
| 8  | a | } | South-Westerly to Westerly or North-Westerly winds, light or moderate; some rain, mist or fog on coast, then fairer; cool.                                |
| 9  | b |   |   |
| 10 | a | } | Wind between West and North-West, light or moderate; variable weather; temperature rather low.  |
| 11 | b |   |   |
|    |   |   | Westerly to North-Westerly winds, light or moderate; sea slight; some fog and showers, then fairer.   |

**FURTHER OUTLOOK.**

R. G. K. LEMPFFERT, Superintendent, Forecast Division.

W. N. SHAW, Director

Millibars.

1050—31

1040—

1030—

1020—

1010—

1000—

990—

980—

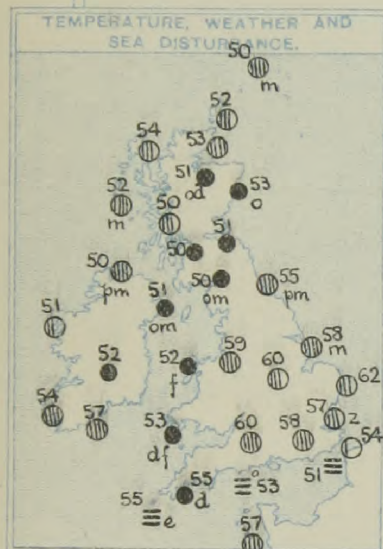
970—



# SYNOPTIC CHART FOR 7 a.m., SATURDAY, 5th JUNE, 1915.

## GENERAL INFERENCE.

The shallow depression over our western and northern districts seems likely to move in an easterly direction.



## 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.

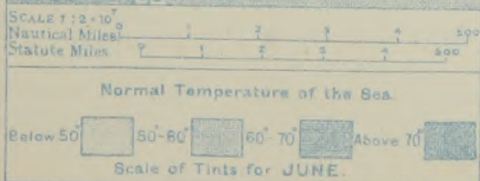
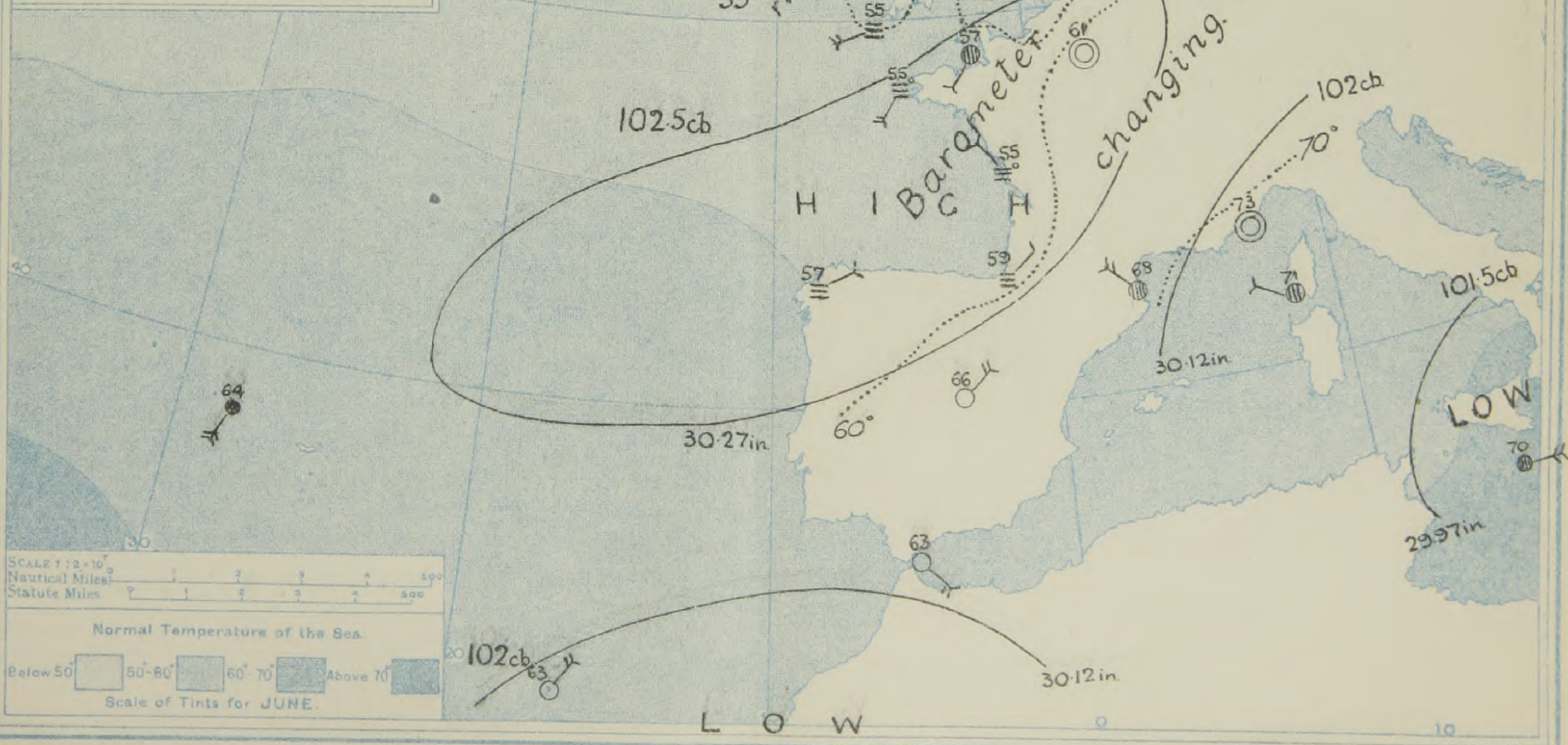
**WEATHER.**—Shown by the following symbols:—

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

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

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

⚡ thunderstorm. Rough sea. High sea.





## DAILY WEATHER REPORT.

Saturday 5th June 1915.

REPORTS  FOR  YESTERDAY.  4th June 1915.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain- fall. Milli- metres.		TEMP. Max. Min.	
		BAROM. Milli- bars at M.S.L.	TEMP.  ° F.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.					
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	° F.	° F.	Direc.	Force 0-12.								
Spitzbergen	1010.6	30	-	0	0	1010.4	0	30	+2	N	2	*	0	*	*	36	25			
Vardö	997.6	37	N	7	0	1005.0	+3	37	-2	NNW	7	-	0	6	*	39	34			
Bodo	1016.6	43	W	4	c	1020.8	0	45	+2	E	1	-	bc	2	-	45	37			
Christiansund	1019.3	45	NE	1	b	1016.0	0	48	+9	-	0	-	b	3	-	48	41			
Skudesnaes	1013.9	48	NE	3	0	1017.8	+2	48	+3	SE	3	-	m	2	8	48	48			
Malta	*	*	*	*	*	1015.9	+2	70	+2	E	4	S	0	2	1	77	64			
Azores(Horta)						1021.6	0	66	-1	SSW	4	*	m	3	-	72	64			

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. §	TEMPERATURE.	WEATHER.	Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.						
		° F.	° F.						Max.	Min.	
Scotland.							Tunbridge Wells ...		68	53	bc
Oban ...		58	46	bc	0	5.5	Margate ...		68	55	bc
Banff ...		65	43	bc	bc	10.8	Ramsgate ...		63	54	bc
Carnoustie ...		71	45	bc	b	13.3	Hastings ...		58	53	0
St. Andrews ...		70	44	*	*	12.1	Bexhill-on-Sea ...	Trace	58	53	0
England, N.E.							Eastbourne ...		58	54	ome
Harrogate ...		69	44	bc	0	8.3	Seaford ...		57	52	m
Skegness ...		65	44	bc	bc	12.6	Brighton ...		57	53	0
England, N.W.							Worthing ...	0.3	58	54	0
Morecambe ...		64	43	bc	bc	10.0	Littlehampton ...		61	49	0
Blackpool ...		67	42	bc	bc	8.6	Bognor ...		58	52	0
Southport ...		67	43	bc	bc	7.0	Southsea ...		66	53	0
Midlands.							Bournemouth ...		66	48	0
Buxton ...		71	39	bc	bc	10.8	Weymouth ...		61	51	bc
Leamington Spa ...		73	46	bc	bc	11.8	Torquay ...		68	47	bc
Malvern ...		69	47	bc	bc	11.3	Paignton ...		63	47	bc
Ross-on-Wye ...		72	43	bc	bc	8.8	Falmouth ...	0.3	60	49	bc
Wales.							Penzance ...		62	45	bc
Rhyl ...		68	43	bc	bc	9.8	Newquay ...		58	49	bc
Colwyn Bay ...		67	45	bc	bc	9.1	Ilfracombe ...		58	49	bc
Llandudno ...		67	49	bc	bc	8.8	Weston-super-Mare ...		64	51	bc
Aberystwyth ...		60	47	bc	bc	7.0					
Tenby ...		61	41	bc	bc	4.1					
England, S.W.											
Cromer ...		64	50	bc	bc	12.8					
Lowestoft ...		64	50	bc	bc	11.0					
Felixstowe ...		64	51	bc	bc	7.9					
Walton-on-Naze ...		62	50	bc	bc	7.7					
Southend-on-Sea ...		74	54	bc	bc	7.8					

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
				24 HOURS ENDED 9 A.M. TO-DAY.						
Greenwich (Royal Obsy.) ...	57	86	8.7	76	50	43	mm. §	0.0	bc	c
City (Bunhill Row) ...	*	*	8.7	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	63	70	8.2	73	53	47	—	b	b	b
Camden Sq. (Brit. Rainfall)	48	78	8.4	77	53	49	—	0.0	b	b
Hampstead (Reservoir) ...	*	90	8.7	72	49	36	—	bc	bc	bc
Richmond Park	...	*	*	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
Kew. (See front page.)	...	*	*	Total.		Average Rate.		Max. Rate.		
(Greenwich and Camden Square air temperatures are in Glaisher screens.)	...	...	...	1885 Joules		32.1 Milliwatts.		78 Milliwatts.		
S. Kensington (Roof of M.O.)	50	81	8.5							

## Additional Observations for Yesterday.

STATIONS.	Rain- fall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine for Yester- day.
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
		Max.	Min.			
Dublin to 4 p.m.		65	52	50	bc	bc
Darwen to 9 p.m.		67	43	38	bc	bc
Manchester "		73	44	*	bc	bc
Birmingham "		72	46	29	c	c
Oxford to 8 p.m.		*				
Teignmouth to 9 "		68	48	44	bc	bc
Plymouth "						
S. Kensington (Museum Grounds to 6 p.m.)		74	54	53	0	bc

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

5th & 6th June 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.34	11.51	8.8
Greenwich ...	3.34	11.51	8.9
Wick ...	3.47	11.58	8.9
Valencia ...	3.12	12.10	9.8

## NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 70° or above in several parts of Great Britain, but remained below 60° at some stations on the south coast. Rain fell generally in the west and north, rather heavily in some Irish and Scottish localities. Bright sunshine was fairly abundant, except on the coast of Sussex.

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. and at the bookstalls at certain Railway Termini in London.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 157. 6<sup>th</sup> June 1915.

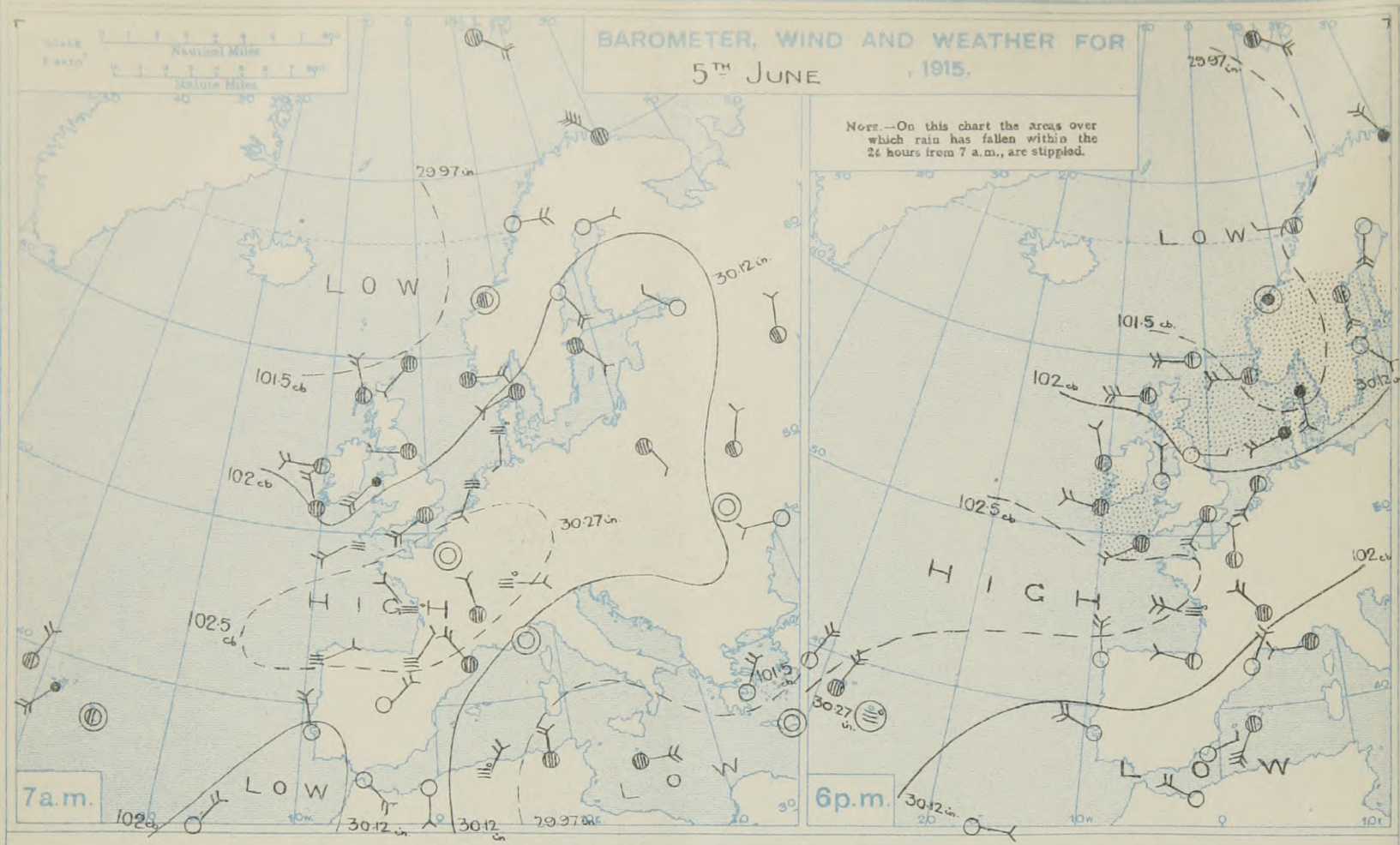
DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	WIND.		Dirce. of Upper Cloud.	'Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Dirce.	Force 0-12.						Dirce.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	10156	52	W	4	bc	10182	+1	49	-1	WNW	3	-	c	2	-	55	46	bc	bc	c	Hours.
	Deerness	10179	53	W	5	bc	10206	+	49	-3	W	3	-	0	2	-	58	47	c bc	bc	bc.c	107
	Stornoway	10197	54	W	5	cg	10212	0	50	-4	WNW	1	-	0	1	-	58	45			c.o	46
	Castlebay (Barra Isd.)	10213	54	W	3	bc	10205	-1	51	-1	ESE	2	-	0	2	-	56	48	o.bom	bc	bc.o	128
	Glasgow	10211	57	WNW	3	bc	10223	-1	47	-3	E	1	SW	c	1	1	62	43	o.c.bc	bc	bc.o	85
	Esksdalemuir	10205	60	WNW	3	bc	10227	0	45	-5	WNW	1	-	0	1	1	63	32	om.o	bc	bc	68
	Malin Head	10226	55	W	3	bc	10202	-3	50	0	S	2	SW	cg	2	-	56	47	bc	bc	cg	115
	Blacksod Point	10233	54	WNW	2	bc	10160	-8	52	+1	SE	5	S	om	3	5	58	46	bc	bc	bc.om	*
	Valencia	10232	57	WNW	3	0	10168	-3	55	+1	SE	3	-	bc	3	3	59	53	o.c	bc.c	or	6
	Roche's Point	10231	64	WNW	1	c	10210	+	54	-3	SE	3	-	f	3	1	64	53	o.c	c.o.c	odfe	*
	Birr Castle	10226	64	N	1	c	10198	+	54	+2	SE	2	-	0	2	04	65	52	or.c	c	c.o	32
	Donaghadee	10223	54	N	3	bc	10212	-1	49	-2	SE	2	SE	cg	2	-	56	47	cg	bc	bc.og	*
	Liverpool (Bidston)	10222	58	WNW	1	bc	10221	0	55	-4	W	1	SW	0	1	2	60	52	op	bc	bc.o	26
	Holyhead	10226	57	W	2	bc	10212	-2	54	+2	E	4	-	bc	3	1	59	50	fordoc	bc.c	bc.c	46
	Pembroke (St. Ann's)	10223	54	SW	1	f	10221	0	51	-2	S	1	-	f	1	Trace	56	51	fd	f	f	00
	Scilly (St. Mary's)	10223	57	WSW	3	om	10225	-1	55	0	WSW	2	-	fe	3	0.3	59	53	om.fe	fe.om	c.fe	16
	Falmouth	10232	58	SW	2	0	10230	-1	56	+1	SW	2	-	om	2	-	60	53	od.o	o	om	01
	Jersey (St. Aubin)	10252	60	WNW	3	bc	10242	+	56	-1	W	2	-	om	1	-	63	50	o.b.o	o.bc	fe.om	63
	Portland Bill	10237	55	WSW	3	bc	10234	0	54	+1	WSW	2	-	od	3	-	55	51	f	f.bc	om.f	
	Dunegness	10223	55	SW	5	bc	10236	+1	54	+3	SW	2	-	fe	2	-	59	50	fo	f	ofe	
	Dover	10225	58	-	0	bc	10238	0	49	-5	SW	2	-	f	2	-	59	41	bc.c	c.bc	bc.f	53
Wick	10185	55	NW	4	0	10209	0	52	-1	WSW	2	-	c	1	2	58	42	om.p	om.p	om.c	*	
Nairn	10191	60	WSW	4	bc	10213	+	54	+3	W	1	-	bc	0	0.3	63	43	bc	c.bc	bc	59	
Aberdeen	10194	57	SSE	2	c	10223	+1	57	+4	ENE	2	W	bc	1	1	64	47	bc.c	cp.bc	c.bc	26	
Leith	10198	61	W	3	bc	10223	+1	50	-1	WSW	2	-	c	0.3	66	46	o	c.bc	bc	*		
Tynemouth	10194	56	E	1	bc	10225	+1	53	-2	WNW	1	W	om	2	1	62	48	c	bc	om	*	
Spurn Head	10214	60	NNE	5	bc	10234	0	51	-7	E	2	-	f	3	-	66	48	o.c	om.bc	bc.o	00	
Yarmouth	10207	64	NE	1	0	10234	0	56	-6	ENE	3	-	0	2	-	75	53	c.bc	bc.o	o	55	
Clacton-on-Sea	10201	70	WSW	2	bc	10232	+1	58	+1	SE	1	-	om	1	-	78	55	cg	cg.bc	bc.om	94	
Nottingham	10213	64	SW	2	c	10224	+	59	-1	E	1	E	c	2	-	71	54	c.o	c	c.o	36	
Bath	10226	64	NW	1	c	10227	+	60	0	SW	1	SW	0	2	-	69	57	o.c	bc	o.c	?	
Sth Farnborough	10217	67	SW	2	c	10228	0	59	+2	S	2	-	cg	2	-	73	53	bc	bc	c.bc.o	70	
London (Kew Obs.)	10218	70	SW	3	bc	10233	0	61	+3	SW	1	S	0	2	-	74	56	o.c	o.c	bc.c	59	
ICELAND, FAEROE, &c.	Spitsbergen	10168	34	SE	4	0	10183	+2	34	+2	SE	2	*	S	*	*	34	30				
	Isafjord...												*	*	*	*	*	*				
	Reykjavik												*	*	*	*	*	*				
	Vestmanna												*	*	*	*	*	*				
	Seydisfjord												*	*	*	*	*	*				
	Thorshavn												*	*	*	*	*	*				
NORTHERN EUROPE.	Vardö	10170	39	WNW	4	bc	10153	-2	39	0	NNE	4	-	0	3	*	41	34				
	Bodö	10153	45	W	1	c	10087	-2	54	+4	E	2	-	bc	2	-	54	43				
	Christiansund	10131	48	-	0	bc	10131	0	50	0	W	3	-	bc	3	8	59	46				
	Skudesnaes	10149	50	W	3	c	10193	+3	50	0	W	4	-	c	1	12	50	45				
	Færder (Xianla Fjord)	10135	52	E	1	bc	10132	+2	55	+1	W	2	-	bc	1	11	55	48				
	The Scaw (Skagen)	10144	54	S	3	bc	10146	+3	55	+1	W	5	-	bc	4	6	61	45				
	Blaavands Huk	10179	52	WSW	3	bc	10220	?	54	-1	NW	3	NW	bc	3	Trace	59	48				
	Haparanda	10163	52	SSW	4	bc	10120	-2	46	-6	S	2	-	c	2	-	54	41				
	Hernösand	10155	48	S	4	c	10103	-2	45	-3	SSE	2	-	bc	2	1	57	43				
	Stockholm	10171	52	SE	2	0	10090	-3	50	-2	-	0	-	0	2	1	61	46				
Wisby	10168	55	SE	2	0	10095	-4	52	-2	SW	4	-	0	2	3	63	46					
Karlstad (5 a.m. G.M.T.)	10146	57	SSW	4	c	10106	+1	54	-1	NW	4	-	c	2	5	63	46					
Petrograd																						
FRANCE, &c.	The Helder	10210	55	SW	3	c	10237	+2	52	-2	NE	2	-	m	1	-	59	50				
	Brussels	*	*	*	*	*																
	C. Gris Nez	10226	54	SW	5	f	10243	+1	52	+2	SW	5	*	f	3	Trace	57	48				
	La Hève	10212	59	N	3	f	10242	+	55	+1	-	0	*	0	2	-	66	52				
	Ushant	10257	56	SW	2	0	10253	+	55	+2	SSW	2	*	m	3	-	61	52				
	Brest (St. Mathieu)	10264	57	W	1	m	10246	-1	59	+4	E	1	*	m	3	-	72	54				
	Rochefort (Ile d'Aix)	10247	59	WNW	4	m	10229	0	62	+7	NE	2	*	bc	2	-	64	55				
	Biarritz	10248	64	WNW	2	bc	10220	0	62	+3	S	2	*	0	2	-	64	59				
	Paris	10233	73	N	2	bc	10244	0	59	-2	NNE	2	-	0	2	-	82	57				
	Belfort																					
Lyons	10213	73	NW	3	0	10223	+	68	+6	N	2	*	bc	2	-	78	62					
Nice	10171	76	W	2	0	10179	+1	76	+3	-	0	*	bc	2	-	84	64					
Perpignan	10173	79	NE	3	bc	10194	+1	70	+2	-	0	*	bc	2	-	82	59					
Sanguinaire																						
SOUTHERN EUROPE.	Corunna (7 a.m.)	10224	72	N	4	bc	10189	-2	66	+9	S	1	-	bc	2	-	73	55				
	Madrid (8 a.m.)																					
	Lisbon (9 a.m.)	10151	86	WNW	4	bc	10160	+1	72	-3	S	2	-	bc	5	-	90	70				
	Gibraltar																					
	Rome																					
	Malta (8 a.m.)						10162	+2	66	-4	NE	2	-	bc	3	18	75	66				
Azores (Horta, 8 a.m.)	10235	*	NNE	4	0	10246	0	62	-2	NNE	4	*	bc	2	-	70	61					
Madeira (Funchal)	10170	73	E	2	bc	10163	0	68	+5	N	3	-	bc	3	-	82	63					

\* Information for these columns not usually received.

† Received too late for insertion in Charts.

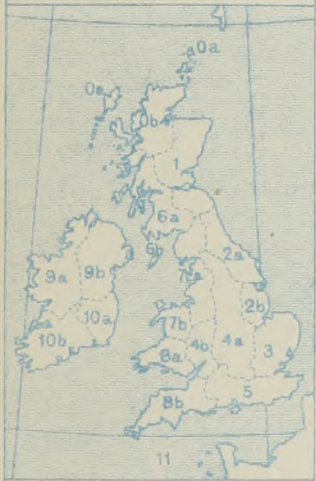
‡ The barometric change is expressed in half-millibars.





FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay 11

- 0 <sup>a</sup> } Wind becoming South-Easterly to Easterly, light to moderate; fine to cloudy or dull, with some rain; rather warmer.
- 1 <sup>b</sup> }
- 2 <sup>a</sup> } Wind light to moderate, Southerly to South-Easterly; fair, then some rain, mist or fog locally on coast; moderate temperature.
- 3 <sup>b</sup> }
- 4 <sup>a</sup> } Southerly winds, light to moderate; some mist or fog on coast, otherwise mostly fair to-day, but with thunder tendency; becoming less fair to-morrow; moderately high temperature inland.
- 5 <sup>b</sup> }
- 6 <sup>a</sup> } Same as Nos 0 and 1.
- 7 <sup>b</sup> }
- 8 <sup>a</sup> } Southerly winds, light to moderate or fresh; cloudy or overcast, some fog on coast, rain later; rather cool.
- 9 <sup>b</sup> }
- 10 <sup>a</sup> } Wind mainly South-Easterly to South-Westerly, moderate to strong; rain at times, some fog on coast, rather cool.
- 11 <sup>b</sup> } South-Westerly and Southerly winds, light to fresh; sea smooth to moderate; some fog, rain later

FURTHER OUTLOOK.

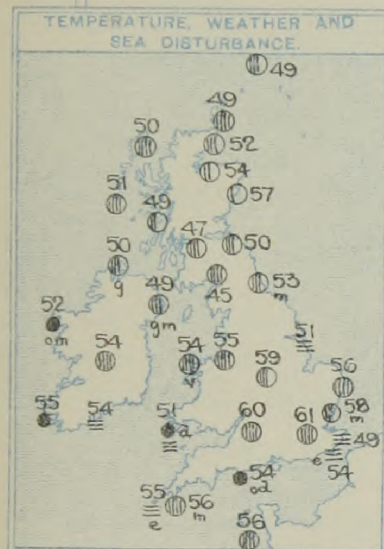
Millibars  
1050-31  
1040  
1030  
1020  
1010  
1000  
990  
980  
970



# SYNOPTIC CHART FOR 7 a.m., SUNDAY, 6<sup>TH</sup> JUNE, 1915.

## GENERAL INFERENCE.

The depression to the west of Ireland will extend or move eastward, and affect the winds and weather over the whole kingdom.



## 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 2 clouded. ○ sky 3 clouded.  
 ○ sky 4 clouded. ○ overcast sky. ○ rain falling.  
 \* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.  
 ⚡, thunderstorm.

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

Inches.  
31

30

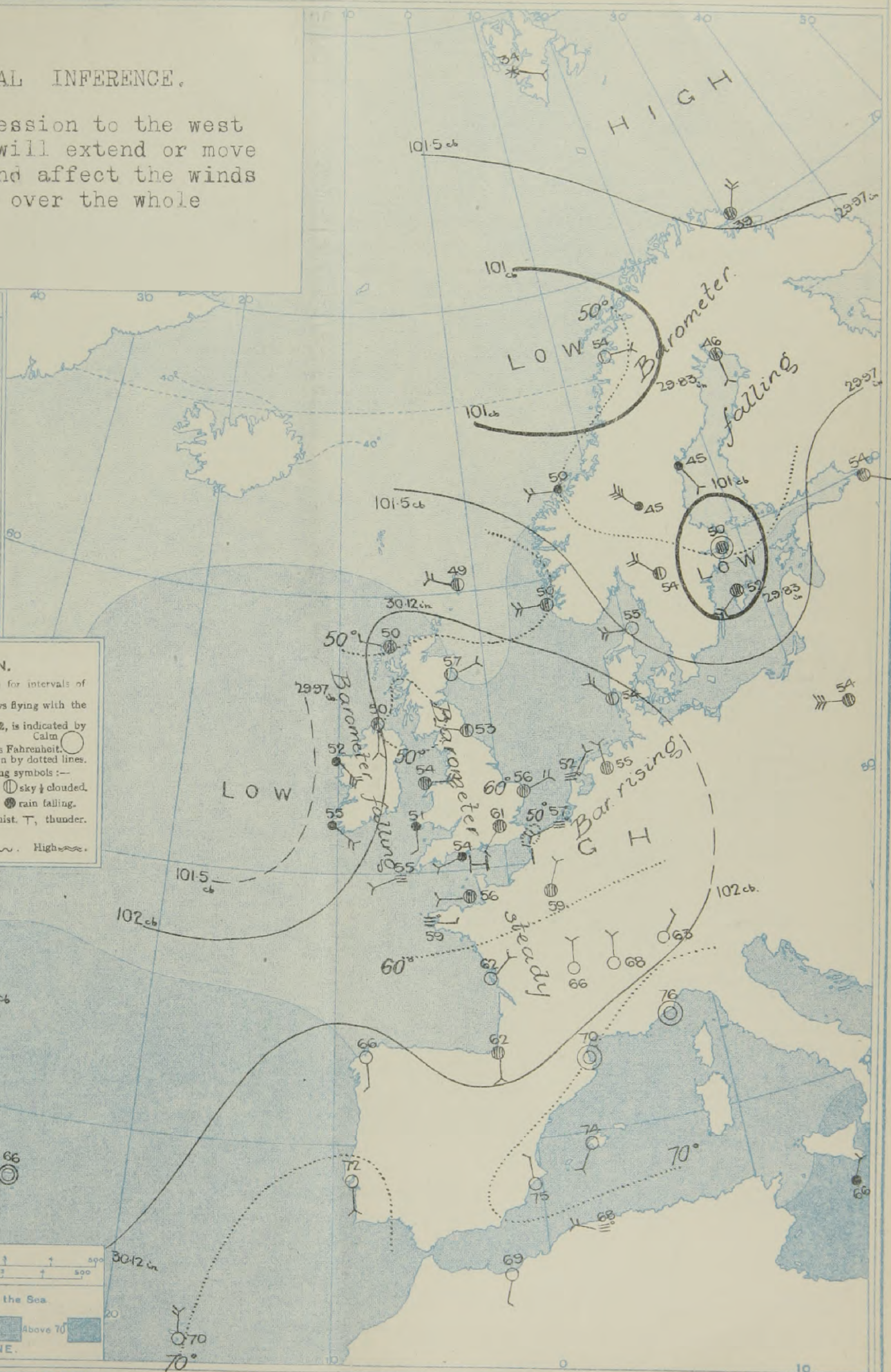
29

SCALE 1:250,000  
 Nautical Miles 1 2 3 4 5  
 Statute Miles 1 2 3 4 5

Normal Temperature of the Sea

Below 50 50-60 60-70 Above 70

Scale of Tints for JUNE.





## DAILY WEATHER REPORT.

Sunday, 6th June, 1915.

REPORTS  FOR  YESTERDAY.  5th June 1915.		STATIONS.	EVENING OBSERVATIONS.				OBSERVATIONS AT 7 A.M., G.M.T.										Sea 0-9.	Rain- fall. Milli- metres.	TEMP.	
			Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	Direc. of Upper Cloud.	Weather.	Max.			Min.	
					Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.									
Spitsbergen	1013.9	30	-	0	0	1015.5	+2	32	+2	SE	4	*	0	*	34	27				
Vardø	1013.5	36	NW	7	2	1016.4	0	39	+2	NW	7	*	0	*	39	32				
Bodo	1019.9	45	E	12	2	1016.5	-2	50	+5	E	4	*	0	*	46	39				
Christiansund	1017.5	52	NE	2	0	1016.0	-1	50	+2	-	0	*	0	*	52	46				
Skudesnaes	1021.5	50	-	2	0	1015.9	-2	50	+2	E	3	-	0	-	57	41				
Haparanda	1018.4	50	SW	2	2	1018.6	0	52	+4	E	2	-	0	*	54	41				
Hernösand	1021.6	50	S	4	2	1020.3	-1	48	-2	S	4	-	0	*	61	46				
Stockholm	1019.9	55	SE	2	6	1021.2	0	52	-2	SE	2	-	0	*	59	48				
Wibby	1021.5	54	SE	2	6	1021.7	0	54	+4	SE	2	-	0	*	63	45				
Karlstad	1020.2	56	-	0	0	1020.6	0	55	+3	-	0	*	0	*	71	54				
Belfast	1023.4	68	E	4	m	1025.4	4	63	-	E	2	*	m	*	86	68				
Lisbon	1021.5	82	WNW	5	2	1019.9	+1	45	+7	ENW	3	-	m	*						

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		°F.	°F.						°F.	°F.			
Scotland.	Oban ...	9	58	47	bc	51	Tunbridge Wells ...	...	70	48	0	bc	62
	Banff ...	6	60	51	bc	52	Margate ...	...	74	48	bc	bc	13.0
	Carnoustie ...	7	69	48	og.c	60	Ramsgate ...	...	66	48	bc	bc	0.2
	St. Andrews ...	...	...	...	...	...	Hastings ...	...	57	49	f	c.o	1.6
Eng. N.E.	Harrogate ...	1	68	50	o.c.bc	58	Bexhill-on-Sea ...	...	59	50	o.c.o	o.c.o	1.6
	Skegness ...	...	...	...	...	...	Eastbourne ...	...	57	50	ome	o.bme	0.0
Eng. N.W.	Morecambe ...	...	59	49	bdy	7.0	Seaford ...	...	57	52	0	0	0.0
	Blackpool ...	4	59	43	or	5.5	Brighton ...	...	57	52	0	0	0.0
	Southport ...	...	...	...	...	...	Worthing ...	...	59	51	0	om	0.0
Midlands.	Buxton ...	Trace	64	47	bc	1.7	Littlehampton ...	...	62	52	0	0	0.4
	Leamington Spa ...	...	71	58	bc	51	Bognor ...	0.3	62	52	0	0	4.5
	Malvern ...	...	64	56	bc	4.4	Southsea ...	...	64	51	0	bc	4.5
	Ross-on-Wye ...	...	69	55	c	3.9	Bournemouth ...	...	...	...	...	...	...
Wales.	Rhyl ...	4	68	55	op	3.7	Weymouth ...	...	61	53	ome	o.c.bcy	0.3
	Colwyn Bay ...	...	...	...	...	...	Torquay ...	...	67	55	oe	bc.c	4.0
	Llandudno ...	...	...	...	...	...	Paignton ...	...	60	53	o.d.o	0	0.1
	Aberystwyth ...	1	61	55	o.c.o	0.0	Falmouth ...	...	62	54	c.o	of.bc	1.0
	Tenby ...	2	56	52	d	0.0	Penzance ...	0.3	62	54	c.o	0	0.2
England, E.	Cromer ...	...	76	54	o.c.bc	2.7	Newquay ...	...	60	53	c.o	oe	0.0
	Lowestoft ...	...	...	...	...	...	Ilfracombe ...	...	60	55	oe	oe	...
	Felixstowe ...	...	74	54	bc	7.4	Weston-super-Mare ...	...	...	...	...	...	...
	Walton-on-Naze ...	...	70	53	bc	8.6							
	Southend-on-Sea ...	...	74	50	bc	5.5							

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.										
Greenwich (Royal Obs.) ...	% 60	% 65	Hr. 5.4	° F. 76	° F. 65	° F. 40	mm. §	2	bc	c
City (Bunhill Row) ...	%	%	6.4	%	%	%	%	%	%	%
Westminster (St. James's Pk.)	69	81	5.4	74	58	48	-	bc	bc	bc
Camden Sq. (Brit. Rainfall)	54	64	6.9	78	57	53	-	c bc	bc	%
Hampstead (Reservoir) ...	%	67	6.1	73	54	38	-	bc	bc	bc
Richmond Park	...	%	7.3	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
Kew. (See front page.)				Total.		Average Rate.		Max. Rate.		
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				1505 Joules		25.5 Milliwatts.		73 Milliwatts.		
S. Kensington (Roof of M.O.)	65	73	4.7							

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

6th June, 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.34	11.51	8.9
Greenwich ...	3.33	11.51	8.10
Wick ...	3.47	11.58	8.9
Valencia ...	3.12	12.10	8.9
	4.25	12.39	8.54
	4.24	12.39	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.

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.		Sun- shine for Yester- day. Hr.
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
		Max.	Min.		After- noon.	
		°F.	°F.			
Dublin to 4 p.m.	...	62	53	52	bc	5.0
Darwen to 9 p.m.	3	63	48	44	bc.c	...
Manchester	Trace	67	55	51	c	3.2
Birmingham	...	71	53	50	bc.c	...
Oxford to 8 p.m.	...	75	55	54	c	...
Teignmouth to 9,,	...	62	54	54	ov	...
Plymouth	1	62	54	54	ov	...
S. Kensington (Museum Grounds to 6 p.m.)	...	75	52	46	bc	...

## NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 70° and above over a considerable portion of England, but owing to the presence of sea fog, it failed to reach 60° at some stations in the south and south-east. Bright sunshine varied a good deal, but over the kingdom generally the number of hours was fairly high.

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. and at the bookstalls at certain Railway Termini in London.



1915.

# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 158.

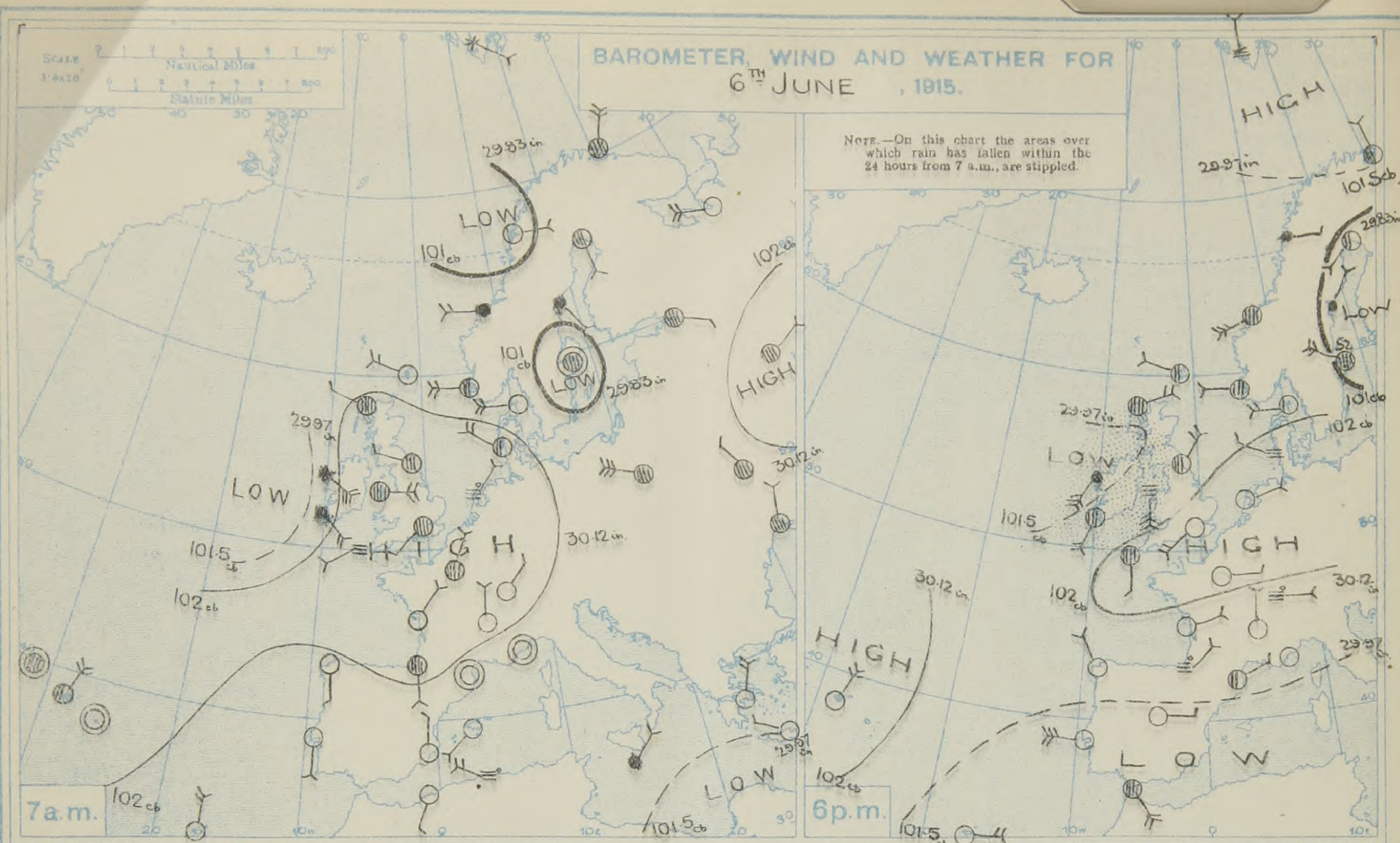
Monday  
7<sup>th</sup> June 1915.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shining for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	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	10196	51	WNW	2	bc	10178	-1	48	-1	SSE	3	-	o	2	-	58	43	c	bc	bc.c	Hours.
	Deerness	10193	50	SE	4	o	10149	-	48	-1	SE	5	-	f	3	-	58	47	o	o	of	00
	Stornoway	10169	53	ENE	3	o	10130	-1	53	+3	SSW	6	-	og	5	1	54	50	o.c.o	o	opg	01
	Castlebay (Barra Isd.)	10146	51	E	3	d	10128	0	51	0	ESE	3	-	o	3	2	53	47	o.cop	opd	dop.o	02
	Glasgow	10173	57	SSE	2	og	10159	-1	55	+8	S	1	-	o	1	1	59	47	comadp	odpc.o	og.dpc	09
	Eskdalemuir	10178	56	S	1	o	10170	-1	52	+7	SSW	3	-	ofe	2	2	58	44	o.op	op	ome	17
	Malin Head	10128	58	S	3	cm	10143	0	54	+4	W	1	SW	bc	1	4	59	48	omr	cm	bc	26
	Blacksod Point	10119	53	SSW	6	cmd	10103	-5	53	+1	SSE	4	S	bc	3	3	57	49	cmd	cm	cmdcm	26
	Valencia	10165	57	SW	3	c	10113	-4	57	+2	SSE	3	-	o	3	6	61	52	rmoc	c	c.bc.od	81
	Roche's Point	10183	58	SSW	2	bc	10154	-	56	+2	S	4	-	f	4	1	59	53	fd	fd.bc	bc.of	
	Birr Castle	10158	61	WSW	2	bc	10140	-	54	0	SE	1	-	o	2	2	67	49	c.or	c.bc	o	50
	Donaghadee	10159	53	SSW	3	omp	10153	0	53	+4	SE	2	SE	og	1	2	55	49	om	omp	omfe	
	Liverpool (Bidston)	10186	59	NW	1	bc	10177	0	60	+5	SSE	1	S	bc	1	2	69	53	bc	bc	bc	81
	Holyhead	10186	54	S	5	f	10171	-1	55	+1	S	4	SW	om	3	1	58	53	o.c	o.cf	fe.fdo	04
	Pembroke (St. Ann's)	10202	54	SSW	1	f	10179	-1	53	+2	SSE	2	-	fo	2	Trace	54	51	fd	f	f	00
	Scilly (St. Mary's)	10201	57	S	1	om	10169	-2	58	0	SE	3	-	om	2	-	60	54	om.f	f.om	f.omfe	00
	Falmouth	10209	57	SW	3	o	10181	-2	54	-2	SE	2	-	om	2	-	64	52	com.c	bc.c.o	gm	99
	Jersey (St. Aubin)	10213	61	N	2	bc	10182	-	61	+5	E	2	E	bm	2	-	66	52	om.o	bc	bc.om	57
	Portland Bill	10216	55	SW	3	bc	10192	-1	50	-4	ENE	4	-	f	2	03	57	48	f.od	o.bc	bc.of	
	Dungeness	10214	56	SW	2	bc	10201	0	56	+2	SW	2	-	f	2	-	60	51	fo	o.bc	cf.bc	
	Dover	10215	55	SW	4	bc	10201	0	58	+9	SW	1	-	m	2	-	61	50	bc.bc	bc.bc	bc.bc	72
	Wick	10175	49	E	2	o	10148	0	50	-2	SSE	3	-	m	3	-	53	46	c.om	m	om.f.bc	
	Nairn	10173	53	-	0	c	10145	-	55	-1	-	0	-	cg	0	01	58	42	bc	bcg	cp	35
	Aberdeen	10186	52	ESE	2	o	10162	0	50	-7	SSE	2	-	om	1	-	58	47	bc.o	o	o.cm	27
	Leith	10185	53	E	1	o	10159	-1	56	+6	-	0	-	cg	0	02	57	50	c	ogp	o	
Tynemouth	10182	52	NE	3	omg	10171	-1	56	+3	SW	1	-	cm	3	-	58	49	cm	cm	cm		
Spurn Head	10184	55	S	4	f	10195	0	58	+7	WNW	3	-	cm	4	-	59	50	flc	f.bc	fo.c	52	
Yarmouth	10205	55	SE	4	bc	10191	0	61	+5	W	2	-	bc	1	-	62	52	of	of.bc	f.bc	54	
Clacton-on-Sea	10202	62	SSE	2	bc	10198	0	55	-3	WSW	2	-	om	2	-	65	52	om.bc	bc	bc.om	126	
Nottingham	10182	70	W	2	c	10188	-	59	0	S	1	-	bc	2	-	75	52	c.bc	bc.c	c	58	
Bath	10200	67	W	1	bc	10193	-	57	-3	SE	1	-	o	-	-	70	53	o.bc	bc.c	bc.om	93	
Sth Farnborough	10203	64	SW	3	c	10197	0	54	-	SW	1	-	m	-	-	73	52	o.c	bc.c	c.bc.m	62	
London (Kew Obs.)	10202	71	SW	3	bc	10202	0	55	-6	SSW	1	-	om	-	-	71	52	o.c.bc	bc.bc	bc.om	84	
ICELAND, &c.	Spitsbergen	10198	34	N	2	f	10203	0	36	+2	S	2	-	o	-	-	37	30				
	Isafjord																					
	Reykjavik																					
	Vestmanna																					
	Seydisfjord																					
Thorshavn																						
NORTHERN EUROPE.	Vardö	10154	36	N	2	c	10132	0	39	0	N	5	-	o	3	-	39	32				
	Bodö	10115	45	E	2	bc	10131	+1	45	-9	S	1	-	bc	1	7	55	41				
	Christiansund	10158	46	WSW	5	o	10179	+2	45	-5	W	3	-	o	4	2	48	45				
	Skudesnaes	10198	50	W	2	c	10198	0	48	-2	E	2	-	o	2	-	54	45				
	Færder (X'ania Fjord)	10150	61	NW	2	bc	10183	+1	54	-1	WSW	1	W	bc	2	-	61	50				
	The Scaw (Skagen)	10172	54	W	5	bc	10198	+3	55	0	W	3	-	bc	3	-	59	48				
	Blaavands Huk	10237	52	WNW	1	f	10220	0	59	+5	SSE	2	-	c	1	-	59	48				
	Haparanda	10080	57	SSW	2	bc	10079	0	59	+13	NW	2	NW	bc	-	-	61	45				
	Hernösand	10096	48	NNE	2	bc	10120	0	52	+7	W	4	NW	bc	-	6	54	41				
	Stockholm	10097	52	NW	4	o	10153	+3	55	+5	NW	4	-	bc	-	1	59	46				
FRANCE, &c.	Wisby	10117	54	WNW	2	c	?	+4	54	+2	NW	2	NW	bc	-	-	57	45				
	Karlstad	10130	59	NNW	6	bc	10172	+1	54	0	ESE	4	-	bc	-	-	66	41				
	Petrograd (9 a.m. G.M.T.)																					
	The Helder	10216	61	ENE	2	bc	10197	0	66	+12	SSW	2	-	bc	1	-	64	54				
	Brussels																					
	C. Gris Nez	10221	54	SW	4	m	10207	0	52	0	SW	2	-	f	2	Trace	59	50				
	La Hève	10211	63	NE	3	bc	10189	-	68	+8	E	2	-	m	2	-	64	54				
	Ushant	10204	55	NE	2	o	10167	-	55	0	ESE	2	-	bc	3	-	61	52				
	Brest (St. Mathieu)	10210	58	SW	2	bc	10170	0	61	+2	NNE	1	-	bc	1	-	68	55				
	Rochefort (Ile d'Aix)	10173	81	ENE	2	bc	10149	0	68	+6	E	2	-	bc	-	-	90	63				
SOUTHERN EUROPE.	Biarritz	10163	66	NE	2	m	10147	-1	63	+1	-	0	-	m	2	-	73	61				
	Paris	10202	75	NE	1	bc	10189	-1	66	+7	NE	1	-	bc	-	-	81	57				
	Belfort	10198	77	E	2	m	10199	-	65	-	E	4	-	m	-	-	82	57				
	Lyons	10183	78	N	2	bc	10176	-	72	+4	S	1	-	bc	-	-	80	63				
	Nice																					
	Perpignan	10162	75	ENE	1	bc	10167	+3	66	-4	SW	1	-	bc	-	-	86	61				
	Sanguinaire	?	73	E	1	o	?	-	68	-	E	1	-	o	2	2	77	64				
	Corunna (7 a.m.)	10162	70	NW	2	bc	10162	+2	61	-5	SW	3	-	f	1	-	72	57				
	Madrid (8 a.m.)	10140	81	E	1	bc	10162	+1	70	-	0	-	-	bc	-	-	82	61				
	AZORES &c.	Lisbon (9 a.m.)	10143	81	W	5	bc	10132	+2	72	0	NNW	2	-	bc	2	-	84	68			
Gibraltar		10145	68	SE	4	o																

## RAINFALL. Equivalents of Millimetres. in Inches.

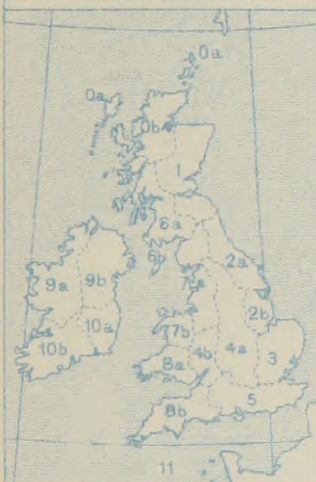
mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18





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

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

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

**NO WARNINGS  
ISSUED.**

Western Channel and Bay 11

- |    |   |   |
|----|---|---|
| 0  | a | Wind mainly Southerly, light or moderate, fresh locally; much cloud, some rain in west later, mist or fog on coast; moderate temperature. |
| 1  | b |   |
| 2  | a | Wind light between South and West; mostly fine, some mist on coast; moderate warmth.  |
| 3  | b |   |
| 4  | a | Light winds, mainly Southerly; fine; warm.  |
| 5  | b |   |
| 6  | a | Wind variable locally, but mainly between South and West, light; fine generally, but mist or fog on coast, warm.                          |
| 7  | b |   |
| 8  | a | Same as Nos. 0 and 1.   |
| 9  | b |   |
| 10 | a | Wind mainly Southerly, light or moderate; fair to cloudy or dull, some rain later, mist or fog on coast; moderate temperature.            |
| 11 | b |   |
| 12 | a | Wind mainly Southerly, light to fresh; cloudy or dull; some rain, mist or fog on coast; moderate temperature.                             |
| 13 | b |   |
| 14 | a | South-Easterly or Southerly winds, light to moderate; sea slight; mostly fair, but mist or fog at times.                                  |
| 15 | b |   |

**FURTHER OUTLOOK.**

R. G. K. LEMPFFERT, Superintendent, Forecast Division.

W. N. SHAW, Director

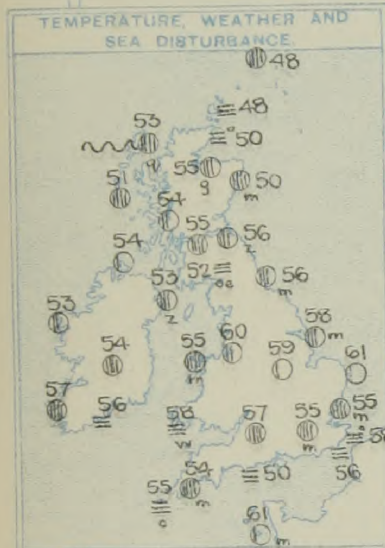
Millibars  
1050  
1040  
1030  
1020  
1010  
1000  
990  
980  
970



# SYNOPTIC CHART FOR 7 a.m., MONDAY, 7<sup>TH</sup> JUNE, 1915.

## GENERAL INFERENCE.

The depression which is causing the fall of the barometer in Ireland is not likely to have much effect on the weather over the more eastern parts of the Kingdom during the ensuing twenty-four hours.



## EXPLANATION.

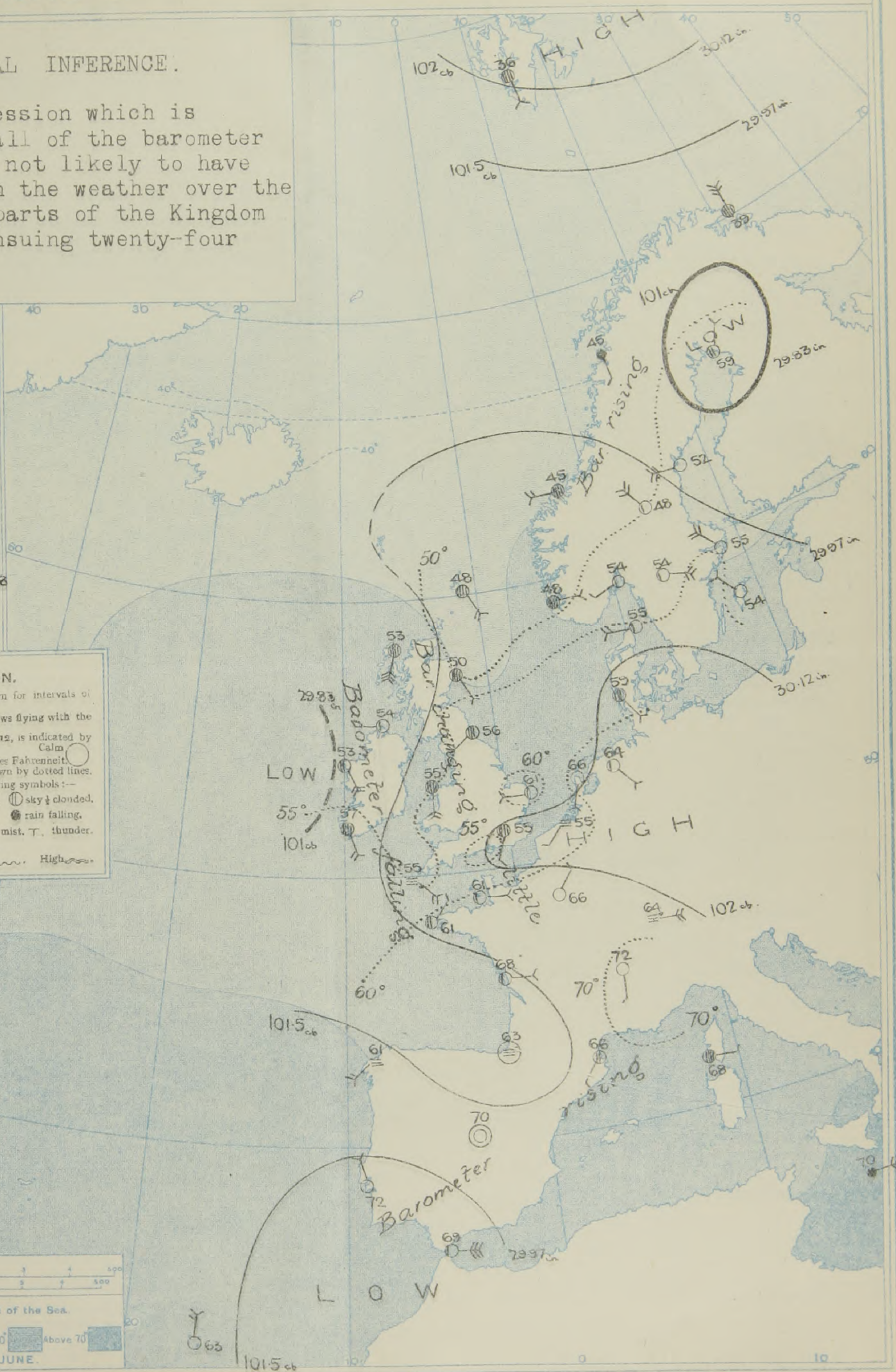
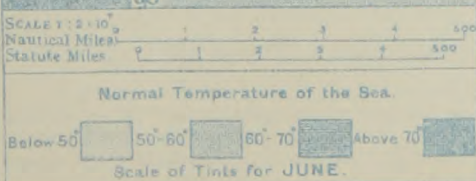
**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**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 wavy line. High wavy line.





# PILOT BALLOON ASCENTS for the PAST WEEK. Component Velocities to East and to North in Metres per Second.

Station Date & Hour.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
S. Farnborough May 31 7.25am			S. Farnborough June 1 7.13am		Benson 1st. 7.23pm		S. Farnborough 2nd 7.20am		Benson 2nd 7.4am		Falmouth 2nd Noon		Aberdeen 4th. Noon		Esksdalemuir 4th. 4pm		Benson 4th. 7.42pm		S. Farnborough 5th. 9.40am	
8 7 6 5 4 3 2 1 0			+8 +4 +3 +1 0 -1 -2 -3 -4	+5 +2 +3 0 -1 -1 -2 -3 -4	+11 +10 +8 +6 +1 -1 -2 -4 -4	0 0 +1 -2 0 -2 -4 0 0		+4 0 +1 0 0 +2 0 0 -1	+4 +1 +2 +1 +2 +1 +2 +2 +2	+1 +1 +1 +1 +1 +1 +1 +1 +1	+6 +10 +9 +11 +8 +7 +4 +3 +2		+7 +6 +7 +4 +3 +2 +1 +1 +1		+8 +3 +7 +6 +5 +4 +3 +2 +2		+13 +7 +1 +4 +12 +7 +6 +5 +4	-1 +1 +1 +1 +1 +1 +1 +1 +1	+13 +13 +13 +13 +13 +13 +13 +13 +13	+5 -1 +2 +2 +2 +2 +2 +2 +2

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.							Tunbridge Wells ...		64	51	0	bc 0	27
Oban ...	2	58	45	0	0 c	11	Margate ...		72	58	6	bc	108
Banff ...		58	38	bc	c 0	40	Ramsgate ...		67	54	38	bc	110
Carnoustie ...		57	41	bc 0	0	34	Hastings ...		60	52	0 bc 8	bc 8	34
St. Andrews ...				*	*		Bexhill-on-Sea ...		59	52	cg c	c 0 c	71
England, N.E.							Eastbourne ...		61	52	bc 8	bc	70
Harrogate ...		69	48	bc	bc c	40	Seaford ...						
Skegness ...		62	52	0 bc	bc	91	Brighton ...		61	54	0 c 0	c 0	30
England, N.W.							Worthing ...		62	54	c	c	20
Morecambe ...							Littlehampton ...		61	58	0 bc 8	0 bc c	12
Blackpool ...		66	48	03	0 bc	18	Bognor ...		59	54	0	0	03
Southport ...		68	48	0 c bc	bc 8	50	Southsea ...		62	54			00
Midlands.							Bournemouth ...		62	53	0	0	05
Buxton ...		68	49	bc	bc	32	Weymouth ...		64	54	mo c	bc 8	35
Leamington Spa ...		74	56	bc	bc	108	Torquay ...		65	55	0	c bc 8	32
Malvern ...		69	54	bc	bc	70	Paignton ...						
Ross-on-Wye ...		69	53	0 bc	bc	75	Falmouth ...		64	53	c om c	bc bc 0	39
Wales.							Penzance ...						
Rhyl ...		66	50	bc	bc	68	Newquay ...		65	51	0 bc	bc 8	55
Colwyn Bay ...		65	49	bc	bc	34	Ilfracombe ...		65	53	0 c	c bc c	60
Llandudno ...		66	49	bc	bc	31	Weston-super-Mare ...		66	55	c bc 8	bc	90
Aberystwyth ...	1	62	56	0 c c	c bc 0	10							
Tenby ...													
England, E.													
Cromer ...													
Lowestoft ...		59	53	c bc bc	bc m	92							
Felixstowe ...		63	56	bc m	bc m	100							
Walton-on-Naze ...		71	56	bc	bc	113							
Southend-on-Sea ...		75	57	bc	bc	97							

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To-day.		In Screen.	Min. on Grass.	Max. on Grass.		Fore- noon.	After- noon.	Night.
Greenwich (Royal Obs.) ...	66	72	7.7	73	62	38		bc 8	c 0	bc 8
City (Bunhill Row) ...			11.5							
Westminster (St. James's Pk.)	73	84	11.6	70	53	48		bc 8	bc 8	bc m
Camden Sq. (Brit. Rainfall)		72	11.2	74	53	51				
Hampstead (Reservoir) ...		84	11.0	69	50	40		bc	bc m	bc m
Richmond Park ...			9.8							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)		73	11.2	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
				Total.	Average Rate.	Max. Rate.				
				2089 Joules	35.5 Milli-watts.	85 Milli-watts.				

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	Sun- shine for Yester- day.
		Max.	Min.					
Dublin to 4 p.m.	0.3	65	53	50	c 0 p	c 8	0 p	*
Darwen to 9 p.m.								
Manchester "								
Birmingham "	0.3	71	54	49		c	c	75
Oxford to 8 p.m.		70	56	49	bc c	bc 8	bc	*
Teignmouth to 9 "		68	55	54	c	c bc 8	bc	49
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)		71	57	49	bc 8	bc c	bc 8	*

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

7 <sup>th</sup> June 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.33	11.51	8.10
Greenwich ...	3.33	11.52	8.11
Wick ...	3.46	11.53	8.11
Valencia ...	3.10	12.10	9.11
	4.24	12.39	9.55
	4.24	12.40	9.56

## NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 70° or above in several parts of England, but failed to touch 60° in Scotland and was also very low, owing to fog, on some parts of the South coast of England. Slight rain fell in the west and north of the kingdom. In many English localities the day was very bright.

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. and at the bookstalls at certain Railway Termini in London.



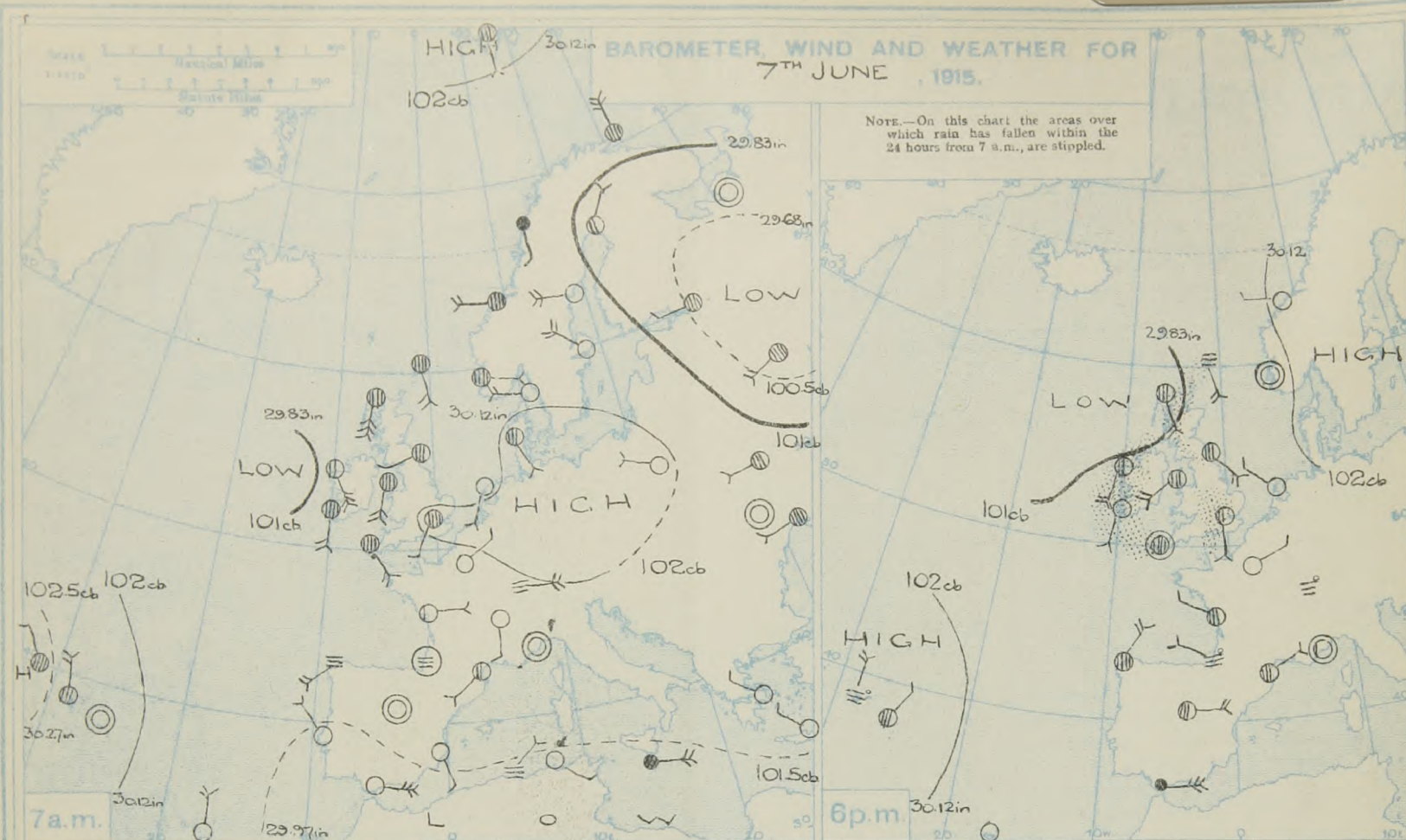
# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 159. { Tuesday 8<sup>th</sup> June 1915.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. Dry Bulb.	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	1015.4	49	SSE	3	f	1012.5	-1	51	+3	S	1	-	m	1	1	51	48	0	f	f	Hours.
	Deerness	1012.2	50	SE	5	f	1010.5	*	54	+6	E	4	-	z	1	-	54	47	f	f	f. c. bc	0.0
	Stornoway	1009.3	57	SSE	3	c	1009.7	-1	50	-3	S	2	-	z	2	3	58	47	o bc	bc c	bc. og	3.8
	Castlebay (Barra Isd.)	1009.7	53	SW	4	o	1008.2	-1	49	-2	E	3	-	z	3	3	56	48	o co	o co	o bc. n	3.4
	Glasgow	1013.4	60	S	4	o	1009.6	-3	54	-1	E	2	S	o	*	Trace	64	50	o co	o co	o co	2.6
	Eskdalemuir	1014.6	59	SSW	4	c	1010.6	-2	54	+2	N	2	-	o	*	2	60	47	o co	o co	o co	0.0
	Malin Head	1011.0	55	W	2	cg	1007.4	-5	49	-5	SE	3	SW	bc	2	2	60	48	cm	cg	f	6.1
	Blacksod Point	1010.7	54	SSW	4	bc	1003.7	-6	54	+1	SSE	6	S	cu	5	1	58	47	bc	bc	bc. cg	*
	Valencia	1011.9	58	SSW	2	z	1007.9	+1	53	-4	SSW	2	S	o	4	1	59	52	co	bc	bc. co	7.7
	Roche's Point	1014.0	58	SSW	3	c	1010.6	*	57	+1	SW	3	SW	bc	3	2	60	54	df	om. c	om. bc	*
	Birr Castle	1012.4	60	W	1	c	1009.2	*	58	+4	S	2	-	bc	*	1	67	51	oc c	c	bc	3.8
	Donaghadee	1012.3	56	SSW	4	cm	1008.7	-1	54	+1	SSW	3	-	bc	2	-	61	49	cm	cm	c. f. bc	*
	Liverpool (Bidston)	1014.6	63	NW	1	o	1010.3	0	64	+4	WSW	1	SE	c	1	-	72	58	bc	bc	c. o	8.7
	Holyhead	1015.5	58	SW	3	o	1010.8	0	54	-1	SW	3	-	ofe	1	Trace	61	53	f. om	o bc. o	c. o. o	2.8
	Pembroke (St. Ann's)	1014.5	56	NW	1	o	1011.9	0	53	0	SW	1	SW	opd	1	-	59	52	fu	og	o	0.0
	Scilly (St. Mary's)	1014.2	57	-	0	om	1012.2	+1	56	+1	W	1	W	c	2	0.1	60	54	om f	f. om	f. fo	0.0
	Falmouth	1014.2	56	E	1	om	1012.4	+1	55	+1	NNW	2	-	om	*	-	58	53	om	om	om. m	0.0
	Jersey (St. Aubin)	1013.4	76	E	3	z	1012.2	*	60	-1	W	3	-	z	2	-	77	58	z	z	bc	13.0
	Portland Bill	1014.6	57	E	4	z	1011.0	*	57	+7	W	1	-	z	2	1	57	50	f	z	bc	*
	Dungeness	1016.0	59	ESE	2	z	1012.5	0	63	+7	SE	1	SE	bc	1	-	63	51	f. c. z	z	z	*
	Dover	1016.3	67	SE	1	z	1012.5	0	71	+13	S	1	-	z	2	-	71	57	z	z	z	10.9
	Wick	1011.6	53	SSW	3	o	1010.9	-1	51	+1	ENE	2	E	of	2	-	59	48	bc. f	f. om	om. g	*
	Nairn	1010.9	65	SSE	3	cu	1010.1	*	54	-1	E	1	-	cg	1	0.1	67	49	c. bc	bc	ed	3.3
	Aberdeen	1013.4	61	S	3	bc	1011.0	-1	56	+6	S	1	-	om	2	-	64	50	m. bc	bc	bc. om	8.1
	Leith	1012.7	66	SW	3	c	1010.1	-3	57	+1	E	2	-	o	*	-	69	50	c. o. c	c	c. bc	*
	Tynemouth	1015.3	57	SE	2	c	1011.5	-2	58	+2	ESE	2	-	bc	3	-	68	53	bc	bc	bc	*
	Spurn Head	1015.9	64	SE	5	bc	1013.5	-2	57	-1	SE	4	-	bc	4	-	66	48	bc	bc	bc. cl	9.2
	Yarmouth	1016.8	56	SSE	3	bc	1013.3	0	61	0	SE	3	-	bc	1	-	67	53	bc	bc	z	15.0
	Clacton-on-Sea	1016.4	60	E	1	z	1012.7	0	61	+6	E	2	S	bc	2	-	62	54	om	m. z	z. bc	7.4
	Nottingham	1015.0	74	SW	1	z	1011.3	*	66	+7	E	1	S	bc	*	1	77	57	z	z	bc. z	11.4
	Bath	1014.4	74	S	2	c	1010.7	*	67	+10	W	1	SW	z	*	-	76	56	m. c. bc	c. o	c. bc. z	6.2
	Sth Farnborough	1015.2	72	SE	3	bc	1010.8	-1	68	+14	SE	3	-	z	*	-	79	54	m. bc	bc	bc. z	9.6
	London (Kew Obs.)	1015.1	79	S	2	bc	1012.0	-1	69	+14	ESE	1	-	bc	*	-	80	55	om. o. bc	bc. bc. bc	bc. bc. m	9.9
ICELAND, FAEROE, &c.	Spitsbergen																					
	Isafjord																					
	Reykjavik																					
	Vestmanna																					
	Seydisfjord																					
NORTHERN EUROPE.	Thorshavn																					
	Vardö																					
	Bodö																					
	Christiansund																					
	Skudesnaes																					
	Færder (X'tania Fjord)																					
	The Scaw (Skagen)																					
	Blaavands Huk																					
	Haparanda																					
	Hernösand																					
FRANCE, &c.	Stockholm																					
	Wisby																					
	Karlstad																					
	Petrograd (8 a.m. G.M.T.)																					
	The Helder	1017.3	63	WNW	1	z	1014.4	-2	66	0	ENE	2	SW	z	0	-	66	59				
	Brussels	*	*	*	*	*																
	C. Gris Nez	1015.7	62	NE	4	z	1012.0	0	78	+16	SSE	3	*	bc	0	-	64	59				
	La Hève	1012.4	77	NE	3	z	1011.5	*	72	+9	SSE	2	*	z	1	4	81	63				
	Ushant	1013.2	55	NE	2	m	1013.2	*	55	0	N	2	*	o	3	-	72	50				
	Brest (St. Mathieu)	1013.6	64	NNW	2	z	1014.0	+1	55	-6	N	3	*	o	2	-	73	54				
SOUTHERN EUROPE.	Rochefort (Ile d'Aix)	1013.2	73	NW	1	c	1014.6	0	63	-5	SSW	2	*	o	*	-	86	63				
	Biarritz	1014.0	63	WNW	2	m	1014.6	+2	61	-2	WNW	1	*	m	2	-	72	57				
	Paris	1014.3	82	E	2	z	1013.5	+1	75	+9	-	0	S	z	*	-	90	61				
	Belfort	1016.0	77	-	0	m	1017.1	*	72	+7	W	2	*	m	*	-	82	64				
	Lyons																					
	Nice	1017.6	68	-	0	z	1016.0	0	72	-1	-	0	*	bc	1	-	79	63				
	Perpignan	1015.5	71	ENE	2	bc	1016.0	+2	70	+4	E	2	SE	z	*	1	84	61				
	Sanguinaire	?	71	E	1	o	?	*	68	0	E	1	*	z	1	-	82	64				
	Corunna (7 a.m.)	1015.9	61	NNE	3	o	1016.4	+2	57	-4	N	3	-	o	1	2	64	57				
	Madrid (8 a.m.)	1014.7	79	E	3	c	1015.1	+1	68	-2	ESE	1	W	bc	*	2	84	61				
AZORES, &c.	Lisbon (9 a.m.)																					
	Gibraltar	1012.8	70	E	5	o	1013.9	*	68	-1	E	6	*	o	3	-	73	66				
	Rome																					
	Malta (8 a.m.)																					
	Azores (Horta, 8 a.m.)	1022.6	*	N	3	m	1020.4	+1	61	0	WNW	4	*	m	1	-	68	57				
MADEIRA, &c.	Madeira (Funchal)																					

## RAINFALL. Equivalents of Millimetres. in Inches.

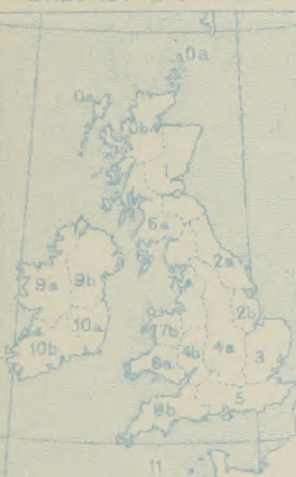
mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
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





FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

Signals hoisted yesterday. Signals hoisted this morning.

South Coast. North Coast. South Coast. North Coast.

No Warnings Issued.

Western Channel and Bay 11

FURTHER OUTLOOK.

0 } Wind mainly between East and South-East, light to moderate; much cloud, some mist and rain; temperature rather higher.

1 } Wind light to moderate, mainly between East and South-East; fine at first, thunderstorms probable later in many places; temperature high generally.

2 } Same as Nos. 0 and 1.

3 } Wind light or moderate from some Southerly point; cloudy or overcast generally, some showers, mist or fog on coast; moderate temperature.

4 } Southerly wind, moderate or high, fresh or strong in west; much cloud, some showers, local fog and mist on coast; moderate temperature.

5 } Westerly and South-Westerly winds, light or moderate; cloudy, some fog on coast; sea slight.



# SYNOPTIC CHART FOR 7 a.m., TUESDAY, 8<sup>TH</sup> JUNE, 1915.

## GENERAL INFERENCE.

A very shallow depression over England will probably cause the development of thunderstorms in many places.



## EXPLANATION.

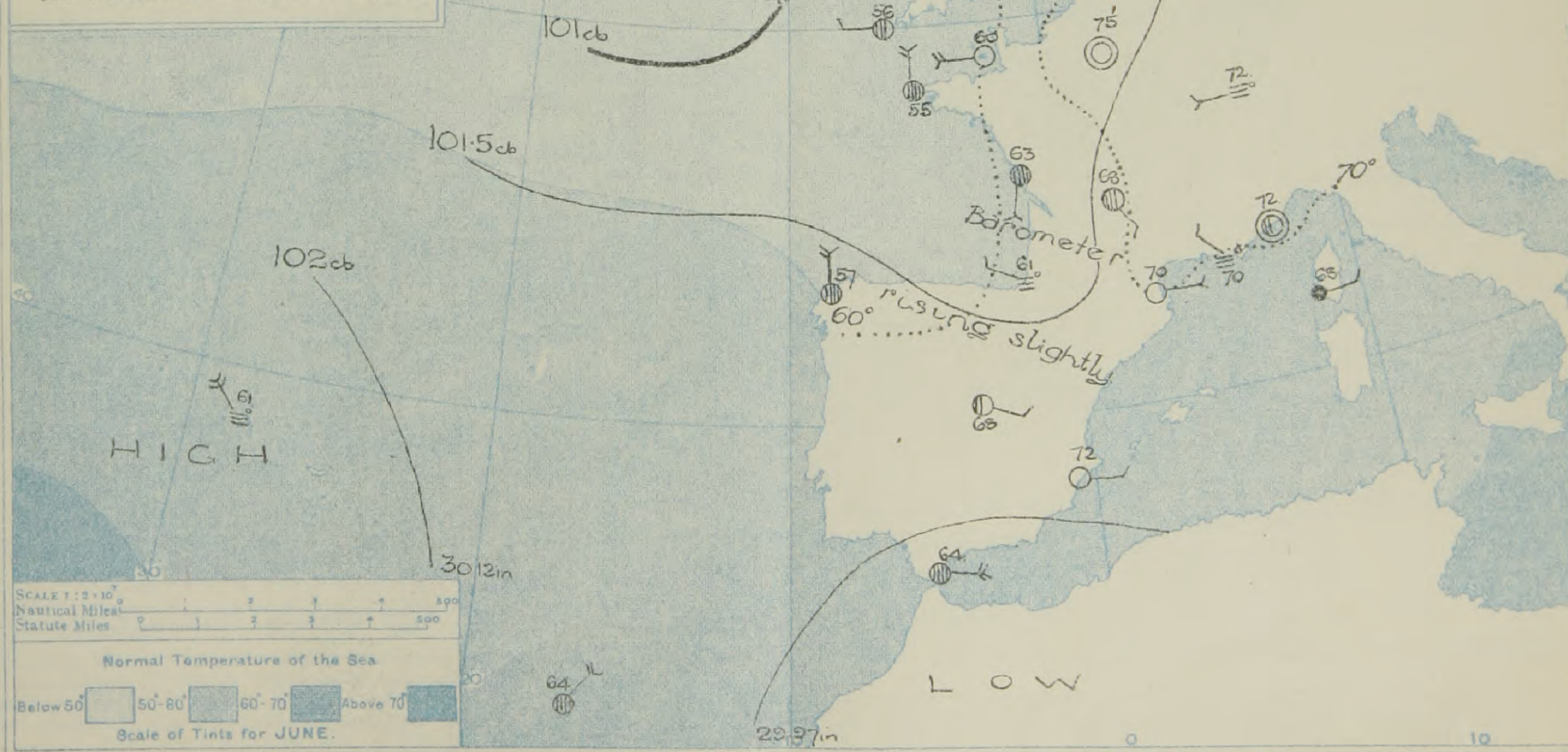
**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**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 ~~~~~





## DAILY WEATHER REPORT.

Tuesday, 2<sup>nd</sup> June 1915.REPORTS  
FOR  
YESTERDAY.7<sup>th</sup> June

STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain-fall. Milli-metres.			TEMP. Max. Min.	
	BAROM. Milli-bars at M.S.L.	TEMP. ° F.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.						
			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.									
Nice	1016.7	69	-	0	z	1017.5	+3	73	-3	-	0	*	z	0	-	84	64			
Horta						1024.4	0	61	-1	NNW	3	*	c	1	-	68	37			

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.†	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm.†	TEMPERATURE. ° F.	° F.	WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.						Forenoon.	Afternoon.	
		° F.	° F.										
Scotland.							Tunbridge Wells ...		75	51	z	z	9.8
Banff ...							Margate ...		67	52	z	z	7.8
Carnoustie ...		65	46	bc. oc	c. ocg	7.0	Ramsgate ...		67	52	z	z	5.0
St. Andrews ...		71	49	*	*	6.8	Hastings ...		72	51	o bc b	z	9.1
England, N.E.							Bexhill-on-Sea ...		69	51	c. z	z	7.2
Harrogate ...		74	48	bc. z	z. bc	11.9	Eastbourne ...		69	52	m bc z	z	6.6
Skegness ...		70	52	z	z	12.2	Seaford ...		77	51	z	z	9.7
England, N.W.							Brighton ...		71	53	z. bc	z	8.1
Morecambe ...		67	56	o bc	z. bc	6.0	Worthing ...		71	53	z	z	9.0
Blackpool ...		67	53	c	o	4.3	Littlehampton ...		68	57	bc	bc	7.4
Southport ...		67	52	c. bc	c	8.5	Bognor ...		66	51	o	z	5.7
England, Midlands.							Southsea ...		72	51	c	z	6.0
Buxton ...		75	48	bc	bc	11.4	Bournemouth ...	0.3	69	50			6.0
Leamington Spa ...		72	54	bc	bc	12.0	England, S.E.						
Malvern ...		75	50	bc	bc	6.4	Weymouth ...		63	49	m. bc	z	6.5
Ross-on-Wye ...							Torquay ...		60	52	o. c	bc	5.8
England, Wales.							Paignton ...						
Rhyl ...		68	55	bc	bc c	6.0	Falmouth ...		58	52	om	om	0.0
Colwyn Bay ...		70	55	bc	bc	6.4	Penzance ...		60	55	c	z	0.1
Llandudno ...		70	56	bc	bc	5.7	Newquay ...		64	52	bc. c	z	1.5
Aberystwyth ...		64	56	o c	c. bc. o	2.0	Ilfracombe ...		66	54	bc c	c. bc z	4.6
Tenby ...		61	53	bc. o	o	0.3	Weston-super-Mare ...		74	53	bc	bc. z	5.0
England, E.													
Cromer ...		69	55	bc	bc	13.6							
Lowestoft ...		66	53	z	z	13.2							
Felixstowe ...		63	53	z	z	10.4							
Walton-on-Naze ...		62	52	bc	bc	7.3							
Southend-on-Sea ...		70	51	z	z	8.5							

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.										
Greenwich (Royal Obs.) ...	% 51	% 59	Hr. 7.0	* F. 82	* F. 60	* F. 50	mm. † 0.9	z	z	20. 2d
City (Bunhill Row) ...	* *	* *	9.2	* *	* *	* *	* 0	* *	* *	* *
Westminster (St. James's Pk.)	53	? ?	10.3	79	62	57	-	bc	bc	bomb
Camden Sq. (Brit. Rainfall)	? ?	? ?	9.2	84	58	56	-	z	z	* *
Hampstead (Reservoir) ...	* *	61	9.0	77	57	45	-	bc	z	z
Richmond Park ...	* *	* *	.							
Kew. (See front page.)										
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										
				Total.		Average Rate.		Max. Rate.		
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				2065 Joules		350 Milli-watts.		76 Milli-watts.		
S. Kensington (Roof of M.O.)				48 57 10.9						

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

8 <sup>th</sup> June 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.33	11.52	8.11
Greenwich ...	3.46	11.59	8.11
Wick ...	3.10	12.11	9.11
Valencia ...	4.24	12.40	9.56

## NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 80° in London, and to 75° or above in some other parts of England. Much bright sunshine was recorded except on some parts of the west and south-west coasts. Local thunderstorms were experienced at night or during the early morning in central and eastern England.

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 id. at M.O. and at the bookstalls at certain Railway Termini in London.



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 160.

Wednesday  
9<sup>th</sup> June 1915.

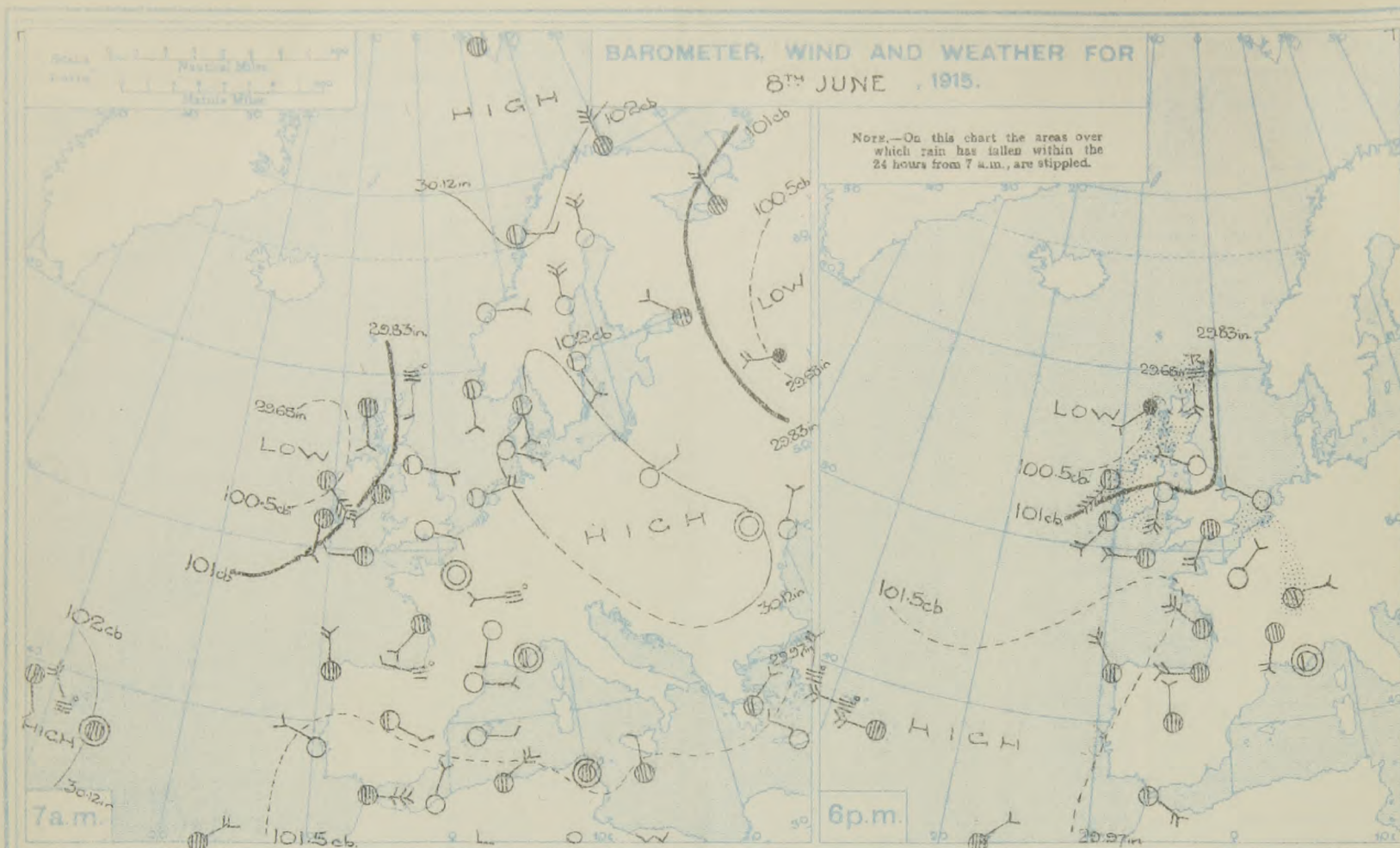
DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
		BARON. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	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	1006.5	50	S	4	fpbc	1007.9	+2	50	-1	S	4	SW	bc	3	10	53	47	f	fp	fpbc	Hours.	
	Deerness	1004.4	51	SSE	3	m	1008.1	+	54	0	S	5	SW	bc	4	-	56	47	b. com	m. o	mo. bc. b	4.0	
	Stornoway	1005.0	50	SW	2	op	1006.0	+3	52	+2	SW	7	-	od. pg	5	5	53	50	od. ps	op	bc. od. pg	0.1	
	Castlebay (Barra Isd.)	1004.9	54	SSE	5	z	1008.2	+3	52	+3	SSW	4	S	o	4	1	54	48	no. m	om. b	bc. o	3.5	
	Glasgow	1008.8	56	SW	5	agg	1013.1	+3	49	-5	SW	3	-	bc	+	2	67	46	og. cg	c. bc. co	op. bc. bc	4.4	
	Eskdalemuir	1009.5	56	SSW	4	bc	1013.7	+2	51	-3	SSW	3	SW	bc	+	0.1	62	45	og. om	om. bc	bc. c	4.6	
	Malin Head	1006.7	56	SW	2	c	1009.7	+2	52	+3	SSW	4	SW	bc	4	0.4	59	48	cg	cg. p	bc	3.5	
	Blacksod Point	1005.9	54	SSW	8	bc	1009.3	+2	53	-1	SSW	7	SW	bc	6	1	56	50	bc. p	bc. p	bc	+	
	Valencia	1014.0	56	SSW	3	bc	1012.6	+1	55	+2	S	2	W	o	3	-	59	48	c	bc. bc	bc. bc. o	8.9	
	Roche's Point	1013.9	57	SW	3	bc	1015.1	+	53	-4	SW	1	-	o	2	0.1	59	46	o	bc. bc	bc. bc. o	+	
	Birr Castle	1010.3	59	W	3	c	1013.3	+	52	-6	S	1	S	bc	+	0.2	62	42	c. op	c	bc	6.9	
	Donaghadee	1008.9	57	WSW	3	cm	1012.7	+2	51	-3	SW	3	S	bc. m	2	-	64	48	bc. m	cm. ps	bc. m	+	
	Liverpool (Bidston)	1012.1	64	WSW	3	z	1014.9	+2	55	-9	SSE	1	-	bc	1	-	67	50	o. c	bc	bc. m	8.9	
	Holyhead	1011.5	57	SSW	5	bf	1014.8	+3	53	-1	SW	4	SW	bc	2	-	60	48	of. bc. bc	bc. bc. bc	bc. bc. c	8.8	
	Pembroke (St. Ann's)	1013.5	55	NW	2	c	1014.6	+2	50	-3	E	1	-	c	2	Trace	58	48	o	c	c	5.5	
	Scilly (St. Mary's)	1013.4	59	W	3	c	1014.1	0	55	-1	NE	2	S	c	2	-	63	51	bc. bc	bc	bc. c	12.1	
	Falmouth	1014.5	62	SSW	2	bc	1014.6	+2	55	0	NNW	1	S	bc. w	2	-	64	50	bc. m. bc	bc	bc. bc. bc	2.2	
	Jersey (St. Aubin)	1014.7	59	W	3	o	+	+	+	+	+	+	+	+	+	+	+	+	bc. om	om. o	bc. bc. c	+	
	Portland Bill	1012.6	57	W	2	bc	1013.7	?	57	0	NNW	3	S	c	2	-	64	52	bc	bc	bc. bc. c	+	
	Dungeness	1011.5	61	SW	3	o	1013.9	+1	62	-1	ESE	1	-	bc	2	-	70	54	bc. bc	bc. bc	bc. bc	+	
	Dover	1012.0	66	SW	4	o	1014.0	0	63	-8	NNE	3	-	bc	3	-	82	56	bc	bc. bc. co	bc. bc. bc	8.8	
	Wick	1005.0	54	S	1	f	1008.5	+1	52	+1	SSW	3	-	bc	3	-	59	46	om. bc. m	bc. m. f	om. bc. m	+	
	Nairn	1005.1	62	WSW	3	cg	1009.3	+	56	+2	WSW	4	-	g. bc	2	0.2	67	44	cg	c. bc. g	d. g. bc. bc	4.7	
	Aberdeen	1005.9	58	SSE	3	bc	1011.1	+3	56	0	SW	3	-	bc	2	6	61	47	bc. m. cog	g. bc. bc	bc	5.1	
Leith	1006.8	67	SW	3	bc	1016.2	+4	55	-2	SW	3	-	bc	+	-	72	49	o. c	c. bc. bc	bc. bc. o	+		
Tynemouth	1008.4	67	NNW	2	bc. m	1013.8	+3	54	-4	W	1	-	bc. m	2	-	71	49	om	om	bc. m	+		
Spurn Head	1011.6	63	WSW	4	bc	1014.0	+3	56	-1	NW	4	-	bc	?	-	81	53	bc	bc	bc	9.6		
Yarmouth	1010.5	66	S	5	om	1014.1	+2	58	-3	N	2	-	o	1	-	71	54.2	bc. m	bc. m. om	bc. o	11.8		
Clacton-on-Sea	1011.2	67	S	4	og	1013.7	+3	61	0	N	2	-	bc	2	-	74	59	bc. g	bc. g. o. g	bc	10.3		
Nottingham	1010.4	72	NNW	3	bc	1014.9	+	54	-12	WSW	1	SW	om	+	-	82	47	bc	bc. bc	bc	11.8		
Bath	1012.8	68	W	3	bc	1014.7	+	54	-13	W	1	-	m	+	-	76	48	bc. bc	bc. bc	bc. om	13.6		
Sth Farnborough	1010.7	78	SSW	4	bc	1013.5	0	63	-5	NNE	2	S	bc	+	-	85	54	bc	bc. bc	bc	14.1		
London (Kew Obsy.)	1010.9	80	SSW	3	o	1014.2	+1	63	-6	NE	2	S	cm	+	-	84	53	bc. m. bc. bc	bc. bc. bc. o	bc. bc. om	11.1		
ICELAND, FAEROE, &c.	Spitsbergen																	GALES.					
	Isafjord...																	Duration and Extreme Force					
	Reykjavik																	in British Islands.					
	Vestmanna																						
	Seydisfjord																						
	Thorshavn																						
NORTHERN EUROPE.	Vardö																	Blacksod Point					
	Bodö																	8 <sup>th</sup> 9 am to 9 <sup>th</sup> 5 am. SSWB					
	Christiansund																						
	Skudesnaes																						
	Færder (X'iania Fjord)																						
	The Scaw (Skagen)																						
	Blaavands Huk																						
	Haparanda																						
	Hernösand																						
	Stockholm																						
FRANCE, &c.	Wisby																						
	Karlstad																						
	Petrograd (5 a.m. G.M.T.)																						
	The Helder	1011.1	70	NNW	2	bc	1012.3	+1	63	-3	NW	1	S	bc	1	6	88	61					
	Brussels																						
	C. Gris Nez	1012.4	64	SSW	3	o	1013.0	+2	62	-16	E	1	+	bc	0	-	79	54					
	La Hève	1013.3	59	NNW	3	bc	1013.3	+	59	-13	SW	3	+	bc	2	-	84	54					
	Ushant	1015.7	59	NNW	1	c	1014.6	+	59	+4	ESE	1	+	o	3	-	69	52					
	Brest (St. Mathieu)	1015.5	57	NW	1	bc	1014.7	0	54	-1	NE	2	+	c	3	-	70	52					
	Rochefort (Ile d'Aix)	1013.3	64	NW	4	o	1012.8	0	63	0	SW	1	+	o	+	-	79	61					
Biarritz	1014.9	63	W	3	o	1013.6	0	61	0	-	0	+	o	1	-	68	61						
Paris	1012.3	77	ENE	2	bc	1013.2	0	68	-7	NE	1	-	bc	+	2	84	61						
Belfort	1014.4	68	E	2	c	1015.1	+	68	-4	W	3	+	c	+	1	84	61						
Lyons	1014.6	70	SSW	3	o	1014.1	+	66	-2	SW	1	+	bc	+	2	84	60						
Nice	1013.9	73	-	0	bc	1013.1	0	72	0	-	0	+	bc	0	-	81	61						
Perpignan																							
Sanguinaire	?	75	E	1	c	?	+	69	+1	E	1	+	bc	1	-	84	64						
SOUTHERN EUROPE.	Corunna (7 a.m.)	1016.3	63	NNW	4	c	1013.5	0	59	+2	SSE	2	-	bc	3	-	63	54					
	Madrid (8 a.m.)	1010.3	77	N	2	o	1013.5	0	66	-2	-	0	-	bc	+	19	84	57					
	Lisbon (9 a.m.)																						
	Gibraltar	1014.2	68	SE	3	bc	1014.2	+	65	-3	W	2	+	bc	2	-	74	63					
	Rome																						
	Malta (8 a.m.)						1014.0	0	68	0	NNW	4	-	m	1	-	75	68					
AZORES &c.	Azores (Horta, 8 a.m.)	1018.7	+	W	4	m	1017.6	0	63	+2	NNW	3	+	m	1	-	72	63					
	Madeira (Funchal)	1018.1	66	NE	2	o	1019.8	0	63	-1	NE	3	-	o	3	-	68	63					

\* Information for these columns not usually received.

† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.





**FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.**

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

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

No Warnings Issued.

Western Channel and Bay 1)

0	a	}	Wind mainly South-Westerly, light or moderate, fresh locally; mostly fair; moderate temperature.
	b		
1		}	Wind mainly Westerly and South-Westerly, light; mostly fair; moderate temperature.
2	a	}	Wind light from some Northerly point; sky variable, thunderstorms not improbable; moderate temperature.
	b		
3		}	Same as Nos. 0 and 1.
4	a	}	Wind Southerly or South-Westerly, light, fair or bright generally; moderate temperature.
	b		
5		}	Wind light, mainly Northerly; fair generally; moderate or rather low temperature.
6	a	}	Southerly and South-Westerly winds, light or moderate, fresh locally; moderate or rather low temperature.
	b		
7	a	}	Wind mainly Northerly, light; sea slight; fair generally.
	b		
8	a	}	
	b		
9	a	}	
	b		
10	a	}	
	b		

**FURTHER OUTLOOK.**

R. G. K. LEMPFEY, Superintendent, Forecast Division.

W. N. SHAW, Director.

Millibars  
1050  
1040  
1030  
1020  
1010  
1000  
990  
980  
970

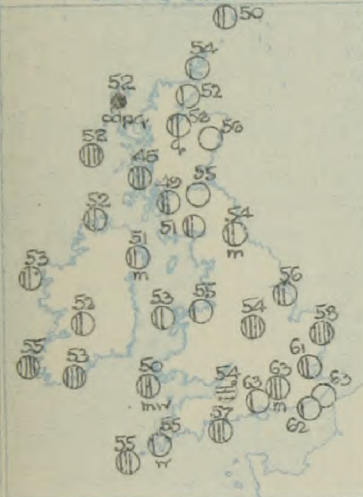


# SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 9<sup>TH</sup> JUNE, 1915.

## GENERAL INFERENCE.

The small, shallow depression over the eastern part of the Channel will probably cause thunderstorms or thunder showers in its neighbourhood.

### TEMPERATURE, WEATHER AND SEA DISTURBANCE.



## 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:—

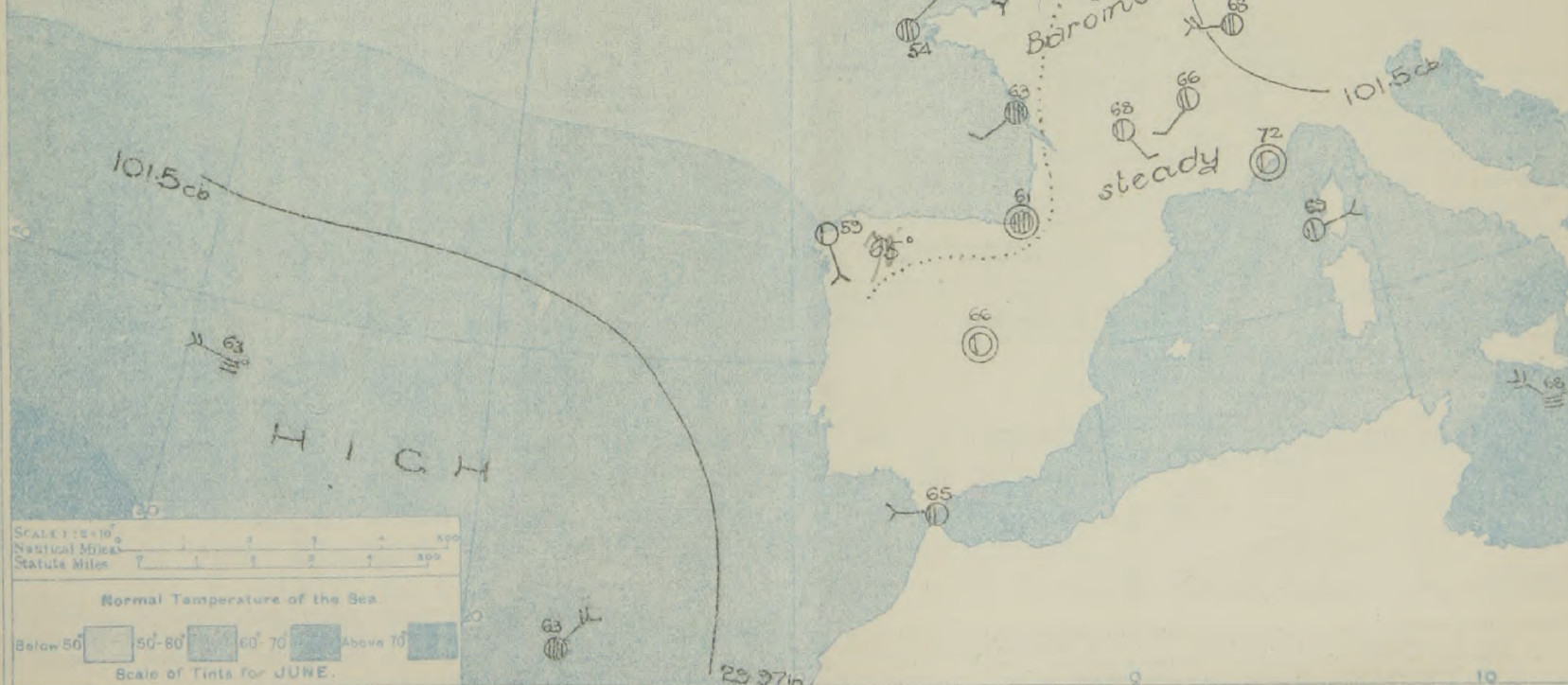
○ clear sky. ○ sky ½ clouded. ○ sky ¾ clouded.

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

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

⚡, thunderstorm.

**SEA DISTURBANCE.**—Rough. High.





## DAILY WEATHER REPORT.

Wednesday 9<sup>th</sup> June 1915.

REPORTS FOR YESTERDAY.  8 <sup>th</sup> June	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain- fall. Milli- metres.	TEMP.	
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Max.		Min.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.							
	Spitzbergen	1021.1	37	S	2	000	1021.3	0	37	+1	N	0	*	0	3	*	37	34	
	Vardø	1015.9	37	N	4	000	1019.3	0	35	0	N	0	*	0	3	*	43	33	
	Bodo	1017.5	46	N	1	000	1020.6	+2	46	+1	N	1	-	0	1	*	48	48	
	Christiansund	1019.9	48	-	0	000	1018.6	-1	52	+7	N	2	-	0	4	*	48	45	
	Skudesnaes	1017.2	57	-	0	000	1017.3	0	55	+7	S	2	-	0	1	*	57	53	
	Faerder	1018.7	55	WSW	4	000	1019.5	+1	55	+1	S	2	-	0	1	*	55	48	
	Skagen	1020.0	54	SE	1	000	1019.9	0	55	0	S	2	-	0	2	*	61	52	
	Blaavands	1019.8	66	S	1	000	1021.0	0	63	+4	SE	1	-	0	1	*	66	59	
	Haparanda	1010.3	55	N	2	000	1015.9	+2	54	-5	N	4	NW	0	1	*	64	45	
	Hernösand	1015.3	57	N	3	000	1019.9	+2	54	+2	N	4	-	0	1	*	59	48	
	Stockholm	1016.0	57	SW	2	000	1019.8	+2	66	+1	SE	2	NW	0	1	*	63	48	
	Kristina	1017.9	57	SW	2	000	1020.7	+3	65	+1	WNW	2	-	0	1	*	63	50	
	Karlstad	1017.2	72	N	6	000	1020.4	+1	54	0	N	0	-	0	1	*	70	46	
	Petrograd	1007.7	52	NW	2	000	1011.4	+2	52	-4	NW	2	-	0	1	*	54	50	
	Lyons	1015.0	74	SW	2	000	1014.7	+2	68	-8	WNW	2	-	0	1	*	68	59	
	Lisbon	1010.7	79	N	4	000	1012.9	+2	68	-2	N	2	-	0	1	*	72	63	
	Malta	*	*	*	*	000	1015.9	+1	64	+1	NE	3	-	0	1	*	70	64	
	Rangoon	1013.4	70	NE	3	000	1015.9	+1	64	+1	NE	3	-	0	1	*	70	64	

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		°F.	°F.						°F.	°F.			
Scotland.	Oban ...	5	62	46	c	0	Tunbridge Wells ...	Trace	82	60	c	0	10.1
	Banff ...	0.3	67	53	bc	9.7	Margate ...		88	56	c		8.3
	Carnoustie ...	1	71	48	bc.c	7.0	Ramsgate ...		81	51	c		7.9
	St. Andrews ...		73	47	*	6.3	Hastings ...		76	62	bc.c	bc.c	8.9
Eng. N.E.	Harrogate ...		77	52	bc	8.8	Bexhill-on-Sea ...		69	60	c		9.2
	Skegness ...		37	56	bc	11.2	Eastbourne ...		74	58	bc	bc.c	9.5
Eng. N.W.	Morecambe ...		64	58	bc.c	4.0	Seaford ...		75	60	bc	bc	10.1
	Blackpool ...		64	55	c.c	4.4	Brighton ...		67	56	bc	bc.c.c	10.5
	Southport ...		64	56	c.c	3.8	Worthing ...		70	62	bc	bc	11.4
Midlands.	Buxton ...	5	80	58	bc	12.7	Littlehampton ...		77	52	bc	bc	12.0
	Leamington Spa ...		76	62	bc	12.0	Bognor ...		68	60	bc	bc	13.3
	Malvern ...		77	57	bc	12.1	Southsea ...		77	57	bc	bc	12.0
	Ross-on-Wye ...						Bournemouth ...		75	57	bc	bc	13.5
Wales.	Rhyl ...		66	55	bc	6.7	Weymouth ...		73	56	bc	bc	11.5
	Colwyn Bay ...		67	56	bc	8.5	Torquay ...		73	55	bc	bc	11.1
	Llandudno ...		62	55	bc	8.0	Paignton ...						
	Aberystwyth ...		63	54	c.c.c	6.7	Falmouth ...		64	53	bc	bc	6.9
	Tenby ...		63	54	bc	4.5	Penzance ...		66	55	bc	bc	9.0
England, E.	Cromer ...		90	53	bc	12.1	Newquay ...		63	53	bc	bc	7.5
	Lowestoft ...		73	53	bc	11.1	Ilfracombe ...		61	55	bc	bc	5.4
	Felixstowe ...		75	55	bc	9.7	Weston-super-Mare ...		65	58	bc	bc	11.0
	Walton-on-Naze ...		74	55	bc	9.9							
	Southend-on-Sea ...		85	60	bc	7.7							

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To-day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
				Max.	Min.								Max.	Min.					
				24 HOURS ENDED 9 A.M. TO-DAY.															
	%	%	Hr.	° F.	° F.	° F.	mm.§					mm.§	° F.	° F.	° F.				Hr.
Greenwich (Royal Obs.) ...	47	57	✓7.3	87	60	52	-	c	c	bc	Dublin to 4 p.m.								
City (Bunhill Row) ...	*	*	10.5	*	*	*	*	*	*	*	Darwen to 9 p.m.	-	72	54	49	bc.w.u	bc.u	bc.u	*6.3
Westminster (St. James's Pk.)	45	62	10.9	86	62	55	-	bc	bc, bc	bc	Manchester "				*				
Camden Sq. (Brit. Rainfall)	66	57	10.1	89	61	57	-	bc	bc, c	*	Birmingham "	*				*			
Hampstead (Reservoir) ...	*	60	11.0	84	57	42	-	bc	bc	bc	Oxford to 8 p.m.	*							
Richmond Park ...	*	*	11.5	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.							Teignmouth to 9,, Plymouth	-	74	55	54	bc	bc, c	bc	*11.1
Kew. (See front page.)				Total.							S. Kensington (Museum Grounds to 6p.m.)	-	86	62	56	bc	bc	o. c	*
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Average Rate.			Max. Rate.												
S. Kensington (Roof of M.O.)	39	55	11.0	2269 Joules			384 Milliwatts.		73 Milliwatts.										

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

9 <sup>th</sup> June 1915.	Sunrise.	Noon.	Sunset.	NOTES ON YESTERDAY'S WEATHER.			
	G.M.T.	G.M.T.	G.M.T.	Temperature rose to 90° at Cromer, 88° at Margate, 87° at Skegness, and above 80° in many other parts of England. Thunderstorms occurred at Lerwick and Aberdeen, and also in the Netherlands. Bright sunshine was very abundant over England, but the duration was only moderate in Ireland and Scotland.			
Yarmouth ...	3.33	11.52	8.12				
Greenwich ...	3.32	11.52	8.12				
Wick ...	3.45	11.59	8.13				
Valencia ...	3.9	12.11	9.12				
	3.9	12.11	9.13				
	4.24	12.40	8.37				
	4.23	12.40	8.37				

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. and at the bookstalls at certain Railway Termini in London.



DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1011.0	54	SW	4	bc	1013.3	+1	51	-1	WSW	2	W	bc	2	2	56	49	c	bc	bc	Hours.
	Deerness	1011.2	54	SSE	2	0	1014.2	*	59	-1	W	4	-	0	2	-	59	49	bc	bc.c.o	0	3.4
	Stornoway	1010.3	52	SSW	5	opg	1015.4	+3	54	+2	W	3	-	bc	3	8	56	48	opg	c.opg	c.opg	3.3
	Castlebay (Barra Isd.)	1011.7	53	WSW	3	0	1016.3	+3	52	0	NNW	2	W	bc	2	0.4	54	49	0.c	c.o	c.opg	3.3
	Glasgow	1013.3	57	W	2	c	1016.5	+4	53	+4	W	1	SW	bc	*	-	62	47	bc	bc	c.opg	11.1
	Eskdalemuir	1013.4	58	SW	3	bc	1016.1	+1	51	0	NNW	2	-	0	*	0.1	62	47	bc.c.bc	bc	bc	11.4
	Malin Head	1012.0	55	NNW	2	cg	1016.0	+3	59	+1	W	1	-	bc	0	2	60	47	cg	cg	bc	6.1
	Blacksod Point	1012.0	55	SSW	5	bc	1014.8	+3	57	+4	SSE	1	-	bc	2	-	60	48	bc	bc	bc	1.8
	Valencia	1013.0	57	S	2	c	1014.4	0	55	0	ENE	2	3	c	3	-	61	49	0	c	c	
	Roche's Point	1014.6	55	SW	1	0	1015.1	*	54	+1	NNW	2	W	0	2	0.1	59	51	0	op	0	
	Birr Castle	1013.1	59	SSW	1	0	1015.7	*	52	0	-	0	-	bc	*	-	63	47	c	c.o	c.bc	6.5
	Donaghadee	1012.9	57	SW	3	cm	1015.7	+3	52	+1	NNW	3	-	bc	1	-	62	48	bc	cm	cm	13.9
	Liverpool (Bidston)	1013.7	57	NW	2	bc	1014.1	0	58	0	NNW	1	-	0	1	-	62	50	bc	bc	bc	5.5
	Holyhead	1014.1	53	-	0	og	1014.6	+1	54	+1	NE	3	-	c	2	-	61	50	bc.c.o.c	c.o.c	o.c	11.1
	Pembroke (St. Ann's)	1013.0	52	NE	3	c	1012.5	+1	56	+6	NE	1	NE	bc	1	-	60	49	cm	c	c	
	Scilly (St. Mary's)	1012.5	60	ENE	1	cm	1011.6	-1	56	+1	NE	2	-	0	2	-	63	51	bc	bc	bc	6.5
	Falmouth	1011.9	63	SSE	1	bc	1012.1	+1	59	+4	NE	1	-	bc	2	-	63	51	c.bc	bc	bc	12.4
	Jersey (St. Aubin)	1012.0	59	E	1	bc	1012.1	*	61	+4	NNE	2	-	c	1	-	66	55	c	bc.c	c.o.c	
	Portland Bill	1012.3	59	ENE	3	c	1011.8	0	59	+3	NNE	3	NE	0	3	-	66	55	bc	bc	bc	
	Dungeness	1012.3	58	NNW	3	cg	1012.8	+1	57	-6	NW	4	-	0	2	-	70	54	bc	bc	bc	4.9
	Wick	1010.7	54	SW	3	c	1014.9	+3	54	+2	W	2	-	c	1	-	63	45	bc	bc	bc	11.7
	Nairn	1011.1	60	W	2	c	1015.3	*	56	0	WSW	2	-	bc	2	-	67	45	bc	bc	bc	13.0
	Aberdeen	1011.8	59	S	4	c	1015.5	+3	57	+1	NW	1	W	c	1	-	65	52	bc	bc	bc	
	Leith	1011.5	65	WSW	2	bc	1015.9	+3	55	0	W	2	W	bc	*	-	68	53	bc	bc	bc	
	Tynemouth	1013.4	57	SSE	2	bc	1015.5	+1	54	0	NW	1	-	ogm	2	-	61	49	bc	bc	bc	
	Spurn Head	1014.3	56	SE	4	0	1015.2	*	55	-1	-	0	-	0	3	1	65	54	bc	bc	bc	6.6
Yarmouth	1014.0	57	NNE	2	c	1014.0	+1	55	-3	NNE	2	-	0	1	-	69	55	o.c	c	c.o	5.1	
Clacton-on-Sea	1012.7	60	ENE	4	0	1013.1	0	57	-4	NNE	2	NE	og	2	1	68	56	bc.c	o.c	ogp	5.4	
Nottingham	1012.6	69	SSE	1	0	1014.3	*	56	+2	ANE	1	E	0	*	1	72	55	cm.c	cm.o	c.bc	1.5	
Bath	1011.5	70	E	1	0	1012.6	*	64	+10	E	1	E	c	*	-	73	54	m.o.c	c.o	c.o	2.6	
Sth Farnborough	1012.0	64	S	1	bc	1012.7	0	62	-1	N	1	S	c	2	2	74	57	bc	bc	bc	3.3	
London (Kew Obsy.)	1012.5	68	-	0	bc	1012.9	+1	62	-1	NE	2	S	om	2	2	73	58	cm.c.o	o.o.c	o.c	3.1	
ICELAND, FAEROE, &c.	Spitsbergen	1016.6	34	-	0	0	1009.5	-9	36	0	-	0	-	c	*	*	39	30				
	Isafjord																					
	Reykjavik																					
	Vestmanna																					
	Seydisfjord																					
	Thorshavn																					
NORTHERN EUROPE.	Vardö	1020.7	36	SE	2	bc	1015.9	-2	43	+4	SE	2	-	c	3	2	24.8	34				
	Bodö	1010.7	52	SW	1	c	1010.6	-2	52	-2	E	1	-	c	1	2	63	43				
	Christiansund	1013.0	55	-	0	c	1013.3	0	55	-8	-	0	-	c	3	-	63	52				
	Skudesnaes	1013.5	55	NNW	3	bc	1013.2	0	57	+2	NW	2	-	bc	2	-	57	55				
	Færder (X'ania Fjord)	1012.8	57	-	0	c	1011.5	0	55	-8	NNE	2	-	f	2	2	63	54				
	The Scaw (Skagen)																					
	Blaavands Huk																					
	Haparanda																					
	Hernösand																					
	Stockholm																					
FRANCE, &c.	Wisby																					
	Karlstad																					
	Petrograd (5 a.m. G.M.T.)																					
	The Helder	1011.8	61	N	2	c	1013.0	+2	61	-2	NE	2	-	bc	1	Trace	66	59				
	Brussels	*	*	*	*	*																
	C. Gris Nez	1011.8	55	NE	4	0	1012.2	+1	55	-7	NE	5	*	0	2	2	64	54				
	La Hève	1011.7	64	NE	3	0	1010.3	*	61	+2	NE	1	*	0	2	12	70	57				
	Ushant	1011.9	57	NE	1	0	1010.6	*	57	-2	?	2	*	c	3	-	72	52				
	Brest (St. Mathieu)	1012.3	61	NW	2	0	1010.9	0	55	+1	NE	3	*	m	1	-	66	54				
	Rochefort (Ile d'Aix)	1011.7	64	NNW	2	0	1011.3	0	65	+2	SSE	1	*	0	*	-	70	63				
SOUTHERN EUROPE.	Biarritz	1010.0	68	NE	3	c	1011.4	0	66	+5	E	2	*	bc	3	7	72	59				
	Paris	1010.4	72	NE	1	bc	1011.7	+2	64	-4	S	1	-	0	*	Trace	82	61				
	Belfort																					
	Lyons	1011.3	69	W	2	0	1013.0	*	68	+2	SE	2	*	bc	*	-	82	59				
	Nice	1013.1	68	-	0	c	1013.7	+1	68	-4	-	0	*	c	0	-	81	64				
	Perpignan	1011.7	72	-	0	bc	1012.4	+3	70	*	-	0	-	0	*	-	77	61				
	Sanguinaire	?	75	SE	3	bc	?	*	73	+4	W	2	*	m	2	-	81	66				
	Corunna (7 a.m.)	1012.7	61	NW	3	bc	1011.9	+3	64	+5	SW	4	-	0	3	3	64	59				
	Madrid (8 a.m.)																					
	Lisbon (9 a.m.)	1013.2	68	SW	4	bc	1014.6	+1	63	0	S	2	-	0	5	-	75	61				
Gibraltar	1013.2	67	NW	5	bc	1013.9	*	66	+1	NW	4	*	bc	2	-	79	62					
Rome																						
Malta (8 a.m.)						1013.3	+2	70	+2	NNW	3	-	bc	4	-	77	68					
Azores (Horta, 8 a.m.)	1017.3	*	NNW	3	m																	
Madeira (Funchal)	1017.6	66	NE	2	0	1019.3	0	63	0	W	2	-	0	3	-	66	61					

## 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



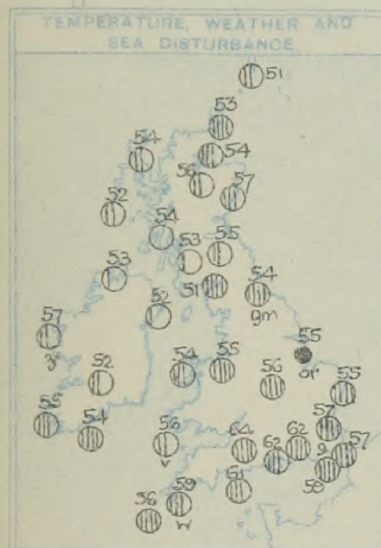




# SYNOPTIC CHART FOR 7 a.m., THURSDAY, 10<sup>th</sup> JUNE, 1915.

## GENERAL INFERENCE.

There are no indications  
of any important or general  
change.



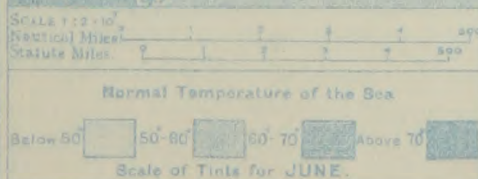
## EXPLANATION.

**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.**—Shows by the following symbols:—  
 clear sky. sky 1/2 cloudy. sky 3/4 cloudy. overcast sky. rain falling.  
\* snow. hail. fog. mist. thunder.  
 thunderstorm.  
**SEA DISTURBANCE.**—Rough High

Inches  
31

30

29





# DAILY WEATHER REPORT.

Thursday 10<sup>th</sup> June 1915.

REPORTS  FOR  YESTERDAY.   2 <sup>nd</sup> June	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain-fall.		TEMP.	
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.			
				Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.		
Penzance	1013.6	70	E	3	bc	1013.7	0	68	-2	-	-	-	bc	0	-	79	59			
Jersey	1013.7	36	SW	1	bc	1013.9	0	58	-2	ENE	2	-	bc	0	-	67	53			
Spitzbergen	1020.7	36	SW	1	bc	1019.8	0	36	-1	S	2	-	bc	0	-	37	32			
Vardo	1021.6	37	N	4	bc	1021.0	0	39	+8	NNE	5	-	bc	0	-	41	36			
Bodo	1013.7	50	E	0	bc	1013.0	0	54	+11	-	-	-	bc	0	-	50	43			
Christiansund	1014.0	59	E	0	bc	1013.7	0	54	+11	-	-	-	bc	0	-	61	52			
Skudesnaes	1012.3	55	S	3	bc	1010.6	+2	58	0	S	2	-	bc	0	-	57	54			
Faerder	1017.2	59	SSW	2	bc	1014.3	-3	63	+8	-	-	-	bc	0	-	59	55			
Skagen	1017.3	59	SSW	2	bc	1013.5	-2	59	+4	SSW	3	-	bc	0	-	63	58			
Naarlands Huk	1014.1	77	SE	2	bc	1011.9	-2	68	+5	SSW	3	-	bc	0	-	73	61			
Haparanda	1017.9	64	N	2	bc	1019.7	0	57	+3	NNE	4	-	bc	0	-	66	48			
Hennosaund	1020.9	97	SE	2	bc	1016.9	-3	48	+3	S	2	-	bc	0	-	63	49			
Stockholm	1018.1	61	SSW	2	bc	1018.7	-1	68	+2	S	2	-	bc	0	-	68	54			
Wisky	1020.6	63	SW	2	bc	1016.7	-1	64	+3	SE	2	-	bc	0	-	68	54			
Karlstad	1018.3	69	SW	2	bc	1016.3	-1	63	+9	SE	2	-	bc	0	-	68	54			
Petrograd	1012.7	70	WNW	5	bc	1012.9	-2	63	+1	WNW	2	-	bc	0	-	79	50			
Lisbon	1013.7	70	W	1	bc	1012.7	0	72	-	NE	1	-	bc	0	-	81	66			

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.†	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm.†	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		°F.	°F.						°F.	°F.			
Scotland.							Tunbridge Wells ...		69	53	bc	bc	10
Oban ...	2	58	46	bc	bc	4.2	Margate ...		61	56	bc	bc	6.7
Banff ...		63	45	bc	bc	12.1	Ramsgate ...		64	58	bc	bc	8.9
Carnoustie ...		69	39	bc	bc	11.6	Hastings ...	1	68	58	bc	bc	3.2
St. Andrews ...		68	42	*	*	11.5	Bexhill-on-Sea ...		67	59	bc	bc	3.4
England, N.E.							Eastbourne ...	1	63	58	bc	bc	3.2
Harrogate ...		68	45	bc	bc	9.9	Seaford ...						
Skegness ...		63	53	bc	bc	6.7	Brighton ...	2	65	56	bc	bc	3.0
England, N.W.							Worthing ...	1	71	57	bc	bc	3.0
Morecambe ...		63	48	bc	bc	6.3	Littlehampton ...	1	77	57	bc	bc	4.7
Blackpool ...		62	50	bc	bc	9.5	Bognor ...	3	69	56	bc	bc	4.2
Southport ...		62	48	bc	bc	11.3	Southsea ...		70	52	bc	bc	2.8
Midlands.							Bournemouth ...		68	50	bc	bc	2.1
Buxton ...		70	48	bc	bc	6.8	Weymouth ...		72	51	bc	bc	1.7
Leamington Spa ...		69	49	bc	bc	2.2	Torquay ...		68	52	bc	bc	9.7
Malvern ...		68	50	bc	bc	2.9	Paignton ...						
Ross-on-Wye ...		69	43	bc	bc	4.3	Falmouth ...		63	50	bc	bc	12.4
Wales.							Penzance ...		63	49	bc	bc	12.0
Rhyl ...		60	46	bc	bc	9.6	Newquay ...		60	45	bc	bc	11.5
Colwyn Bay ...		61	50	bc	bc	10.0	Ilfracombe ...		60	49	bc	bc	11.6
Llandudno ...		64	49	bc	bc	10.0	Weston-super-Mare ...		68	53	bc	bc	6.5
Aberystwyth ...		60	48	bc	bc	11.5							
Tenby ...		68	41	bc	bc	10.5							
England, E.													
Cromer ...		68	55	bc	bc	5.0							
Lowestoft ...		61	55	bc	bc	6.4							
Felixstowe ...		67	58	bc	bc	5.6							
Walton-on-Naze ...		64	58	bc	bc	6.1							
Southend-on-Sea ...		70	60	bc	bc	2.5							

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.										
	%	%	Hr.	° F.	° F.	° F.	mm.†			
Greenwich (Royal Obsy.) ...	63	77	16	72	57	56	1	op	oc	lc
City (Bunhill Row) ...	*	*	2.8	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	85	78	2.6	72	59	58	3	bc. oc	uc.	bc. x. oc
Camden Sq. (Brit. Rainfall)	78	73	3.0	78	59	59	3	bc. c	c. op	*
Hampstead (Reservoir) ...	*	76	2.8	71	55	47	?	c. op	op	o
Richmond Park ...	*	*	3.0							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	67	68	1.5	1080	Joules	183	Milliwatts.	60	Milliwatts.	

## Additional Observations for Yesterday.

STATIONS.	Rain- fall. mm.†	TEMPERATURE.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	Sun- shine for Yester- day. Hr.
		Max.	Min.					
		°F.	°F.					
Dublin to 4 p.m.		68	48	45	bc	bc	bc	
Darwen to 9 p.m.		67	46	41	bc	bc	bc	6.9
Manchester "								
Birmingham "								
Oxford to 8 p.m.								
Teignmouth to 9 "		70	54	50	bc	bc	bc	11.0
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	1	78	61	56	bc	bc	bc	

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

10 <sup>th</sup> June 1915.	Sunrise.	Noon.	Sunset.
Yarmouth ...	5.32	11.52	8.12
Greenwich ...	5.32	11.52	8.12
Wick ...	5.32	11.52	8.12
Valencia ...	5.32	11.52	8.12

## NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 70° or a little higher in many English localities, but hardly exceeded 60° at some stations in the west and north of the Kingdom. Bright sunshine was more prevalent in the west than in the east. Rain - mostly slight - was experienced at various places in the south-east, and extreme west and north-west.

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. and at the bookstalls at certain Railway Terminals in London.



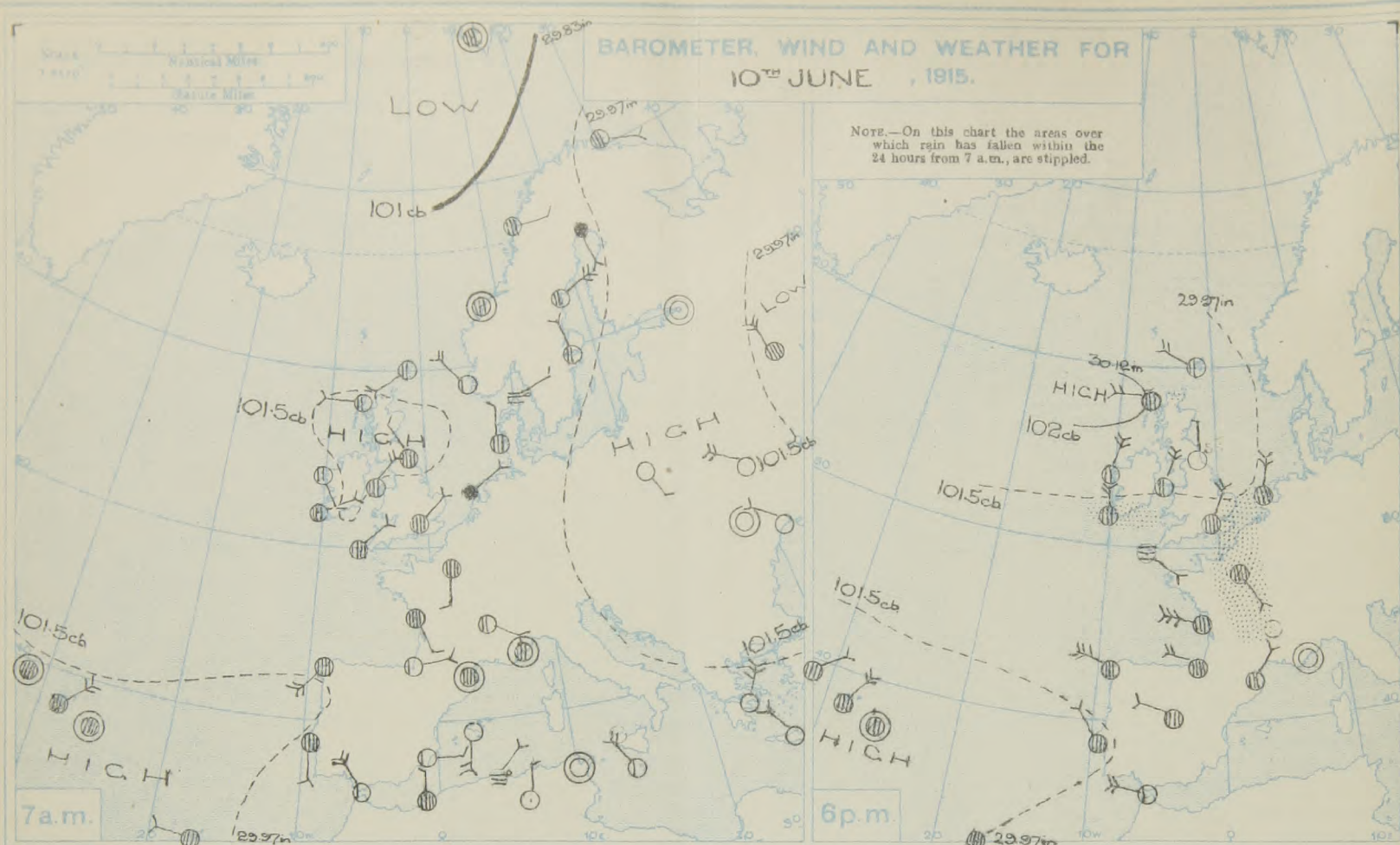
# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 162.

Friday  
11<sup>th</sup> June 1915.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. Dry Bulb.	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	1018.4	54	WNW	3	bc	1019.5	+0	50	-1	WSW	4	W	bc	3	-	56	45	bc	bc	bc	Hours.
	Deerness	1018.9	55	NW	4	bc	1020.3	+	55	+2	S	2	-	bc	0	-	59	45	bc	bc	bc	0.0
	Stornoway	1020.0	58	W	3	c	1021.2	0	52	-2	W	2	-	bc	2	-	59	43	bc	bc	bc	9.8
	Castlebay (Barra Isd.)	1019.6	55	WNW	3	bc	1021.6	0	51	+1	NNW	2	-	bc	2	-	57	46	bc	bc	bc	13.0
	Glasgow	1016.8	65	NW	1	bc	1021.8	+3	50	-3	ENE	3	SW	bc	-	-	68	46	bc	bc	bc	13.4
	Eskdalemuir	1017.4	60	ESE	3	0	1022.9	+1	54	+3	NE	1	-	bc	-	-	64	47	bc	bc	bc	1.6
	Malin Head	1019.1	55	NE	1	bc	1020.8	+2	52	-1	NE	3	NE	bc	2	-	59	47	bc	bc	bc	15.2
	Blacksod Point	1017.9	56	NNE	4	bc	1018.7	+1	52	-5	NE	4	NE	bc	4	-	59	48	bc	bc	bc	5.0
	Valencia	1014.1	61	N	3	c	1015.4	+2	58	+3	E	2	-	bc	2	-	64	55	bc	bc	bc	5.0
	Roche's Point	1014.8	59	E	3	0	1017.1	+	56	+2	E	2	-	0	2	4	65	54	bc	bc	bc	7.8
	Birr Castle	1015.7	65	NE	1	bc	1017.6	+	54	+2	NE	1	-	0	2	-	67	50	bc	bc	bc	7.8
	Donaghadee	1017.0	54	N	4	bc	1019.8	+1	52	0	N	1	-	bc	1	-	55	50	bc	bc	bc	0.2
	Liverpool (Bidston)	1014.6	63	NNW	1	0	1020.3	+1	55	0	ESE	3	-	bc	3	-	67	50	bc	bc	bc	5.7
	Holyhead	1015.0	60	NE	4	bc	1018.0	+2	57	+3	E	1	-	bc	0	-	62	54	bc	bc	bc	7.7
	Pembroke (St. Ann's)	1013.4	66	NE	1	c	1018.0	+3	50	-1	SE	3	SE	bc	3	3	69	54	bc	bc	bc	7.7
	Scilly (St. Mary's)	1012.1	59	ESE	2	bc	1016.4	+1	58	+2	SSE	3	S	bc	3	-	61	55	bc	bc	bc	2.6
	Falmouth	1013.3	60	E	2	bc	1018.0	+4	58	-1	SE	1	-	bc	2	-	64	56	bc	bc	bc	6.2
	Jersey (St. Aubin)	1017.9	61	-	0	c	1017.9	+	58	-2	E	1	-	bc	1	-	74	57	bc	bc	bc	6.2
	Portland Bill	1013.0	61	-	0	c	1018.4	+	56	-5	ENE	2	-	bc	1	-	64	54	bc	bc	bc	6.2
	Dunegness	1012.9	59	NNE	3	0	1018.2	+2	58	-1	NE	3	-	bc	3	-	63	55	bc	bc	bc	6.2
	Dover	1014.3	55	N	5	bc	1018.5	+4	56	-1	NNE	4	-	bc	3	-	59	53	bc	bc	bc	0.0
	Wick	1019.6	52	NE	2	bc	1020.5	0	51	-3	-	0	SW	bc	1	0.2	58	41	bc	bc	bc	12.4
	Nairn	1018.1	62	E	3	bc	1020.8	+	53	-3	-	0	-	bc	0	-	66	41	bc	bc	bc	6.7
	Aberdeen	1019.1	56	E	1	c	1021.7	+1	57	0	S	2	-	bc	2	-	66	47	bc	bc	bc	6.7
	Leith	1016.5	63	ENE	1	bc	1022.2	+3	51	-4	ENE	1	-	bc	2	-	68	47	bc	bc	bc	6.2
	Tynemouth	1017.4	55	N	1	bc	1021.3	+2	55	+1	-	0	-	bc	2	-	59	51	bc	bc	bc	2.0
	Spurn Head	1017.9	54	ENE	4	bc	1021.7	+1	58	0	E	3	-	bc	3	-	60	50	bc	bc	bc	2.0
Yarmouth	1015.7	56	NNE	3	0	1020.9	+3	56	+1	NE	4	-	0	2	0.1	59	54	bc	bc	bc	0.0	
Clacton-on-Sea	1014.8	60	NE	4	bc	1019.2	+3	58	+1	NNE	4	NE	bc	3	-	64	56	bc	bc	bc	0.0	
Nottingham	1015.7	64	E	3	bc	1020.9	+	55	-1	E	1	-	bc	2	-	68	46	bc	bc	bc	6.2	
Bath	1012.8	72	E	3	0	1019.3	+	59	-5	E	3	E	bc	2	-	76	55	bc	bc	bc	5.2	
Sth Farnborough	1013.2	69	NE	3	0	?	+3	56	-6	E	2	-	bc	2	-	70	55	bc	bc	bc	5.2	
London (Kew Obs.)	1014.5	67	NE	2	c	1019.9	+3	58	-4	NE	3	E	bc	2	-	68	56	bc	bc	bc	0.7	
ICELAND, FAEROE, &c.	Spitsbergen																					
	Isafjord...																					
	Reykjavik																					
	Vestmanna																					
	Seydisfjord																					
	Thorshavn																					
NORTHERN EUROPE.	Vardö																					
	Bodö																					
	Christiansund																					
	Skudesnaes																					
	Færder (X'iania Fjord)																					
	The Scaw (Skagen)																					
	Blaavands Huk																					
	Haparanda																					
	Hernösand																					
	Stockholm																					
FRANCE, &c.	Wisby																					
	Karlstad																					
	Petrograd																					
	The Helder	1014.0	59	NNE	4	0	1019.1	+3	64	+3	NNE	4	-	bc	2	4	64	57	bc	bc	bc	
	Brussels	1013.5	54	NE	5	f	1017.0	+3	54	-1	NE	6	-	0	4	10	55	52	bc	bc	bc	
	C. Gris Nez	1013.5	61	NE	2	bc	1017.7	+	63	+2	NNE	2	-	bc	2	2	70	50	bc	bc	bc	
	La Hève	1014.3	59	ESE	3	bc	1017.1	+	57	0	SSW	2	-	bc	2	-	66	52	bc	bc	bc	
	Ushant	1014.6	57	SSE	1	0	1018.6	+2	61	+6	SSE	1	-	bc	3	-	73	55	bc	bc	bc	
	Brest (St. Mathieu)	1013.2	65	NW	6	bc	1017.0	+2	62	-3	NNE	3	-	0	2	-	77	61	bc	bc	bc	
	Rochefort (Ile d'Alg)	1013.7	66	NNW	3	0	1015.3	+1	66	0	E	1	-	0	2	-	77	63	bc	bc	bc	
SOUTHERN EUROPE.	Biarritz	1011.8	68	WSW	2	bc	1017.2	+3	64	0	NNW	2	-	0	2	-	82	63	bc	bc	bc	
	Paris	1013.3	70	SW	2	0	1017.2	+	68	+	E	1	-	bc	2	-	83	60	bc	bc	bc	
	Belfort	1012.6	73	-	0	bc	1015.7	+2	73	+3	-	0	-	bc	0	-	79	63	bc	bc	bc	
	Lyons	1012.7	73	NE	2	c	1016.8	+2	70	0	-	0	-	bc	2	-	81	59	bc	bc	bc	
	Nice	?	82	N	2	bc	?	+	70	-3	SSE	2	-	bc	2	-	82	64	bc	bc	bc	
	Perpignan	1013.9	66	NNW	5	c	1016.0	+2	55	-9	-	1	-	0	2	-	68	52	bc	bc	bc	
	Sanguinaire	1011.7	73	NNW	2	0	1016.4	+3	63	-5	-	0	-	0	2	-	75	55	bc	bc	bc	
	Corunna (7 a.m.)	1014.7	64	SSW	4	0	1015.3	+1	59	-9	NW	2	-	0	5	-	68	57	bc	bc	bc	
	Madrid (8 a.m.)	1013.2	67	W	4	bc	1014.2	+	65	-1	E	3	-	f	1	-	76	63	bc	bc	bc	
	Lisbon (9 a.m.)																					
Gibraltar																						
Rome																						
Malta (8 a.m.)																						
Azores (Horta, 8 a.m.)	1017.2	66	NNE	4	0	1017.0	0	61	-2	NNE	2	-	bc	2	-	70	59	bc	bc	bc		
	Madeira (Funchal)	1018.0	66	?	?	c	1017.3	0	63	0	W	1	-	0	1	-	68	61	bc	bc	bc	

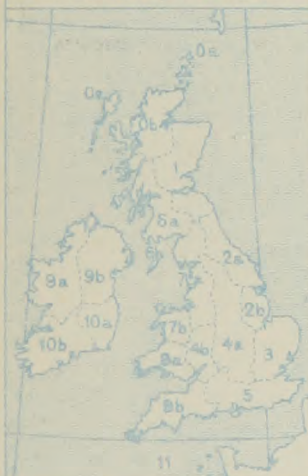
RAINFALL.			
Equivalents of Millimetres.			
In Inches.			
mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	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





**FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.**

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

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

No Warnings Issued.

Western Channel and Bay. 11

- |                    |  |
|--------------------|--|
| 0 {<br>a }<br>b }  | Wind mainly Westerly, light or moderate; fair or fine generally; cool.         |
| 1 {<br>a }<br>b }  | Wind light, variable; fair or bright; moderate temperature.                    |
| 2 {<br>a }<br>b }  | Wind light or moderate from some Easterly point;                               |
| 3 {<br>a }<br>b }  | mostly fair or fine, overcast at times; moderate                               |
| 4 {<br>a }<br>b }  | temperature.   |
| 5 {<br>a }<br>b }  |  |
| 6 {<br>a }<br>b }  | Same as No. 1.   |
| 7 {<br>a }<br>b }  |  |
| 8 {<br>a }<br>b }  | Same as Nos. 2 to 5.   |
| 9 {<br>a }<br>b }  |  |
| 10 {<br>a }<br>b } | Wind light, variable, or North-Easterly; fair or bright; moderate temperature. |
| 11 {<br>a }<br>b } | Wind between North-East and South-East, light or moderate; sea slight; fair.   |

**FURTHER OUTLOOK.**



# SYNOPTIC CHART FOR 7 a.m., FRIDAY, 11<sup>TH</sup> JUNE, 1915.

## GENERAL INFERENCE.

The general pressure distribution is likely to remain anticyclonic over the greater part of the United Kingdom.



## 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:—

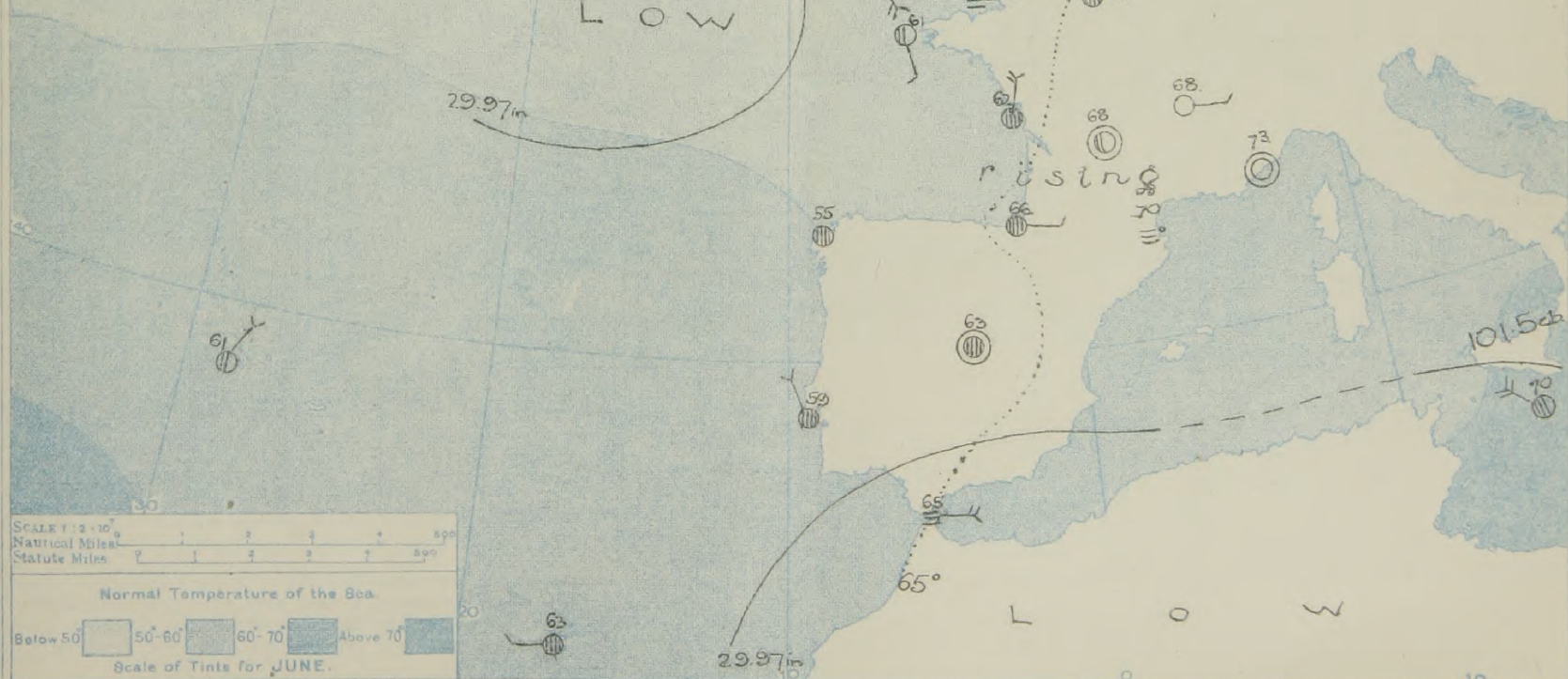
○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded.

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

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

⚡, thunderstorm.

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





## DAILY WEATHER REPORT.

Friday 11<sup>th</sup> June 1915.

REPORTS  FOR  YESTERDAY.   10 <sup>th</sup> June	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain- fall. Milli- metres.	TEMP.	
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Max.		Min.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 24 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.							
		"F.					"F.	"F.											
	Jersey						1011.7	+	60	+2	-	0	-	f	0	Trace	67	37	
	Skagen	1013.8	66	-	0	c	1010.1	-3	59	0	S	1	-	m	1	8	70	37	
	Blaravandsbuk						1012.0	+3	57	-11	N	1	-	c	2	8	73	35	
	Haparanda	1017.6	57	SSW	2	z	1014.6	-1	50	-7	S	4	-	bc	1	1	63	50	
	Hernösand	1014.7	46	N	4	z	1011.5	-2	50	+2	NE	4	-	bc	1	1	57	45	
	Stockholm	1014.9	66	SSW	2	0	1012.3	-1	72	+14	SW	2	SW	bc	1	Trace	77	59	
	Wibby	1016.6	72	SSW	4	c	1015.3	-1	72	+8	SW	2	SW	bc	1	-	75	59	
	Karlstad	1011.9	68	WSW	2	c	1012.2	+3	63	0	-	0	-	0	1	1	75	52	
	Petrograd	1016.7	55	NW	2	z	1019.8	+1	64	0	NNE	4	-	0	1	1	61	46	
	Horta					z	1017.6	+1	63	0	-	4	-	0	2	-	66	63	

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.			
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.				
	mm.8	° F.	° F.			Hr.		mm.8	° F.	° F.			Hr.			
Scotland.	Oban ...	-	61	44	b	b	13.3	Tonbridge Wells ...	3	67	56	o	bc o	0.8		
	Banff ...	-	59	49	bc b	bc b	11.2	Margate ...	7	56	54	o	o or	0.0		
	Carnoustie ...	-	64	51	*	*	10.8	Ramsgate ...	1	56	52	or	o	0.0		
	St. Andrews ...	-	65	52	*	*	10.2	Hastings ...	-	68	57	o	bc c	2.7		
Eng. N.E.	Harrogate ...	-	61	47	o	o c	0.7	Bexhill-on-Sea ...	3	69	56	or	c	3.8		
	Skegness ...	3	59	55	o	o c bc	1.3	Eastbourne ...	3	67	56	o	o bcg	0.1		
Eng. N.W.	Morecambe ...	-	63	49	o	o	0.0	England, S.E.	Seaford ...	-	-	-	-	-		
	Blackpool ...	-	62	50	or	o	0.0		Brighton ...	6	69	57	o	o c o	0.8	
	Southport ...	-	64	49	ogz	o c o	0.0		Worthing ...	2	70	57	bc	bc o	1.8	
									Littlehampton ...	-	72	61	bc	o	4.5	
Midlands.	Buxton ...	-	68	53	bc	b	2.7		Bognor ...	-	70	57	o bc	bc o	3.0	
	Leamington Spa ...	-	70	60	c	bc c	5.6		Southsea ...	1	73	59	c	o	3.6	
	Malvern ...	-							Bournemouth ...	-	72	60	o	bc o	5.2	
	Ross-on-Wye ...	-	72	53	c bcg	bcg	5.2									
Wales.	Rhyl ...	-	64	47	gc	c	0.7		England, S.W.	Weymouth ...	-	72	58	o c bc	bcg	5.4
	Colwyn Bay ...	-	62	47	bc	bc	3.8			Torquay ...	-	67	52	o c bc	bc b	7.0
	Llandudno ...	-	61	49	-	-	0.7			Paignton ...	-	-	-	-	-	-
	Aberystwyth ...	-	69	50	o c	c bc o	4.0			Falmouth ...	-	64	51	c bc c	c bc bc	7.2
England, E.	Tenby ...	-	72	48	b	bc	6.5			Penzance ...	-	66	51	b bc	c og	3.0
	Cromer ...	1	57	53	op	o	0.0			Newquay ...	-	68	48	bc b	b bc	10.0
	Lowestoft ...	1	58	54	op c	c o	0.6			Ilfracombe ...	-	69	54	bc b	b bcg	9.5
	Felixstowe ...	1	65	55	op	c	0.3			Weston-super-Mare ...	-	75	53	b bc	bc bz	6.0
	Walton-on-Naze ...	2	61	55	o op c	o c	0.0									
	Southend-on-Sea ...	1	68	57	or c	c bc c	2.0									

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.										
Greenwich (Royal Obsy.) ...	% 61	% 63	Hr. 1.6	* F. 70	* F. 55	* F. 51	mm. †	0	0.c	c.
City (Bunhill Row) ...	%	%	1.6	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	67	72	1.5	65	56	52	-	bc	bc, bc	bc
Camden Sq. (Brit. Rainfall)	60	59	1.7	72	56	52	-	-	c, bc	*
Hampstead (Reservoir) ...	*	80	1.4	66	52	40	-	c. 0	bc	c
Richmond Park ...	*	*	1.2	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	60	61	1.7	Total. 1220 Joules		Average Rate. 206 Milliwatts.		Max. Rate. 76 Milliwatts.		

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
	mm.	° F.	° F.	° F.				Hr.
Dublin to 4 p.m.								
Darwen to 9 p.m.	-	65	49	44	0.0	0.6	0.0	0.1
Manchester "	-	70	54	5	0.3	0	0.0	0.0
Birmingham "	-	69	54	49		0	0.0	1.8
Oxford to 8 p.m.	*							*
Teignmouth to 9 "								
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	1	70	61	62	0	0	0.0	*

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

11 <sup>th</sup> June 1915.	Sunrise.	Noon.	Sunset.
Yarmouth ...	5.32	11.52	8.13
Greenwich ...	5.32	11.52	8.13
Wick ...	5.38	12.11	8.14
Valencia ...	5.23	12.40	8.58

## NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 60° on several parts of our east and south-east coasts, but rose to 70° or above over a considerable area inland. Bright sunshine was much more abundant in Ireland and Scotland than in England and Wales

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. and at the bookstalls at certain Railway Termini in London.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 163.

Saturday  
12<sup>th</sup> June 1915.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. Dry Bulb.	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	1018.3	53	SW	4	bc	1017.2	+1	50	0	SW	4	-	omcl	3	3	55	48	bc	bc	c. om	Hours.
	Deerness	1020.3	57	W	4	bc	1021.0	-1	51	-4	W	4	-	c	2	-	63	49	bc	bc	b. bc. c	15.5
	Stornoway	1020.7	57	W	4	bc	1023.0	+3	54	+2	WSW	4	-	bc	4	-	62	47	bc	bc	bc	15.7
	Castlebay (Barra Isd.)	1021.7	55	NNW	2	bc	1024.1	+2	53	+2	NNW	1	-	0	2	-	57	47	bc	bc	bc. bc. o	14.5
	Glasgow	1021.1	64	NNW	1	bc	1024.8	+3	58	+8	WSW	3	W	bc	-	-	68	50	bc. c. g	bc. bc. g	bc. bc. g	6.3
	Esksdalemuir	1021.4	66	SW	4	bc	1023.6	+2	54	0	NE	1	-	bc	-	-	68	41	bc. g	bc. g	bc. bc. g	7.0
	Malin Head	1020.9	58	ENE	1	bc	1023.8	+2	58	+6	SSW	2	-	bc	2	-	62	52	bc	bc	bc	9.7
	Blacksod Point	1019.5	62	N	2	bc	1024.0	+3	55	+3	S	2	S	bc	2	-	66	48	bc	bc	bc. bc. g	-
	Valencia	1018.5	63	SSE	3	bc	1023.3	+2	59	+1	E	1	S	bc	2	-	67	52	c	bc	bc. bc	8.3
	Roche's Point	1021.2	59	SE	2	c	1024.6	-	56	0	ESA	3	-	0	3	-	62	53	m. o. c	c. bc	bc. om	-
	Birr Castle	1020.2	63	SSE	1	bc	1024.7	-	55	+1	S	1	-	bc	-	-	66	46	op	bc	bc	3.6
	Donaghadee	1020.8	59	SE	2	bc	1024.5	+2	57	+3	SW	2	-	bc	1	-	62	52	bc	bc	bc. g	-
	Liverpool (Bidston)	1021.0	70	SE	1	bc	1025.0	+2	58	+3	SE	2	-	bc	2	-	72	55	bc. o	bc	bc	9.6
	Holyhead	1021.1	61	N	2	bc	1025.4	+3	56	-1	-	0	-	bc	0	-	65	52	c. bc. o	bc. o	bc. bc. g	3.0
	Pembroke (St. Ann's)	1021.6	58	SE	1	0	1024.5	+2	57	+2	ESE	1	-	bc	3	5	59	53	bc	bc	bc	0.2
	Scilly (St. Mary's)	1019.9	60	SE	2	cm	1021.6	0	56	-2	E	3	E	c	3	-	64	55	bc	bc	c	8.5
	Falmouth	1021.0	59	ESE	2	m	1022.8	+1	58	0	ENE	2	-	om	2	-	64	55	bc	bc	om	6.2
	Jersey (St. Aubin)	1020.3	62	N	3	og	1022.6	-	58	0	E	2	-	ome	2	-	69	55	bc. o	bc	bc	0.3
	Portland Bill	1021.0	58	ENE	1	bc	1023.4	-	55	-1	ENE	3	-	bc	3	-	61	52	c	bc	c. bc	-
	Dungeness	1021.7	58	NE	3	0	1024.7	+2	56	-2	NE	3	-	0	3	-	62	53	bc. c. o	bc. o	bc. o	-
	Dover	1021.6	56	NNE	4	bc	1024.8	+3	56	0	NE	3	NE	c	2	-	61	49	bc	bc	bc. bc. o	1.8
	Wick	1020.3	57	NNE	2	bc	1021.2	+1	52	+1	W	1	-	bc	1	-	60	41	bc	bc	bc	-
	Nairn	1019.6	61	E	2	bc	1021.8	-	58	+3	-	0	-	bc	1	-	75	45	bc	bc	bc. bc. o	14.5
	Aberdeen	1020.1	61	S	4	bc	1022.2	+2	61	+4	-	0	-	bc	2	-	64	50	bc	bc	bc	15.2
	Leith	1020.3	66	ENE	1	bc	1023.9	+2	62	+11	WSW	2	-	bc	-	-	67	51	bc	bc	bc	-
Tynemouth	1022.8	56	SE	2	bc	1024.9	+1	56	+1	W	1	-	bc	2	-	60	50	bc	bc	bc	-	
Spurn Head	1024.4	54	E	3	bc	1027.0	+4	55	0	-	0	-	bc	3	-	60	50	bc	bc	bc	8.6	
Yarmouth	1023.7	55	NE	3	c	1026.5	+2	55	-1	NE	2	-	bc	1	-	61	50	bc	bc	bc	0.7	
Clacton-on-Sea	1022.7	58	ENE	3	0	1025.7	+2	55	-3	NNE	2	NE	c	2	-	62	49	bc	bc	bc. bc. o	1.4	
Nottingham	1022.3	65	E	2	bc	1026.0	-	50	-5	E	1	-	bc	-	-	71	45	bc. o	bc. bc	bc	10.9	
Bath	1020.8	70	S	1	m	1025.0	-	56	-3	E	1	-	bc	-	-	71	49	bc. bc	bc. bc	bc. bc. o	5.0	
St. Farnborough	1021.2	66	E	2	bc	1024.8	+3	54	-2	ENE	2	-	bc	-	-	69	46	bc. bc	bc	bc. bc. o	7.2	
London (Kew Obs.)	1022.1	66	E	2	bc	1025.8	+2	56	-2	ENE	2	-	bc	-	-	69	50	bc. bc. g	bc. bc. g	bc. bc. g	5.0	
ICELAND, FAEROE, &c.	Spitsbergen	993.9	34	S	1	0	998.0	+6	36	+8	S	2	-	0	-	-	37	28	-	-	-	-
	Isafjord	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Reykjavik	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vestmanna	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Seydisfjord	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thorshavn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTHERN EUROPE.	Vardö	1008.2	43	N	2	0	1002.5	-3	41	-4	N	2	-	bc	2	-	45	39	-	-	-	-
	Bodö	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Christiansund	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Skudesnaes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Færder (X'ianla Fjord)	1016.0	59	SW	2	bc	1016.7	0	59	+2	W	2	-	bc	1	-	66	55	-	-	-	-
	The Scaw (Skagen)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Blaavands Huk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Haparanda	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hernösand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Stockholm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRANCE, &c.	Wisby	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Karlstad	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Petrograd (G.M.T.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	The Helder	1021.7	57	NNE	4	c	1025.3	+2	57	-7	NNE	2	-	bc	1	7	36.4	54.4	-	-	-	-
	Brussels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C. Gris Nez	1020.3	55	NE	5	c	1024.8	+2	55	+1	NE	4	-	0	2	-	61	52	-	-	-	-
	La Hève	-	70	NE	2	m	1023.0	-	61	-2	NE	2	-	0	2	-	72	54	-	-	-	-
	Ushant	1019.8	59	NE	3	0	1019.9	-	55	-2	NE	3	-	bc	3	-	64	52	-	-	-	-
	Brest (St. Mathieu)	1020.6	63	NE	1	0	1020.3	0	63	+2	E	3	-	bc	2	3	72	57	-	-	-	-
	Rochefort (Ile d'Aix)	1017.0	72	NN	2	0	1018.6	+2	66	+4	E	4	-	0	-	-	81	61	-	-	-	-
SOUTHERN EUROPE.	Biarritz	1014.9	68	NE	2	0	1016.4	0	66	0	-	0	-	0	2	-	70	63	-	-	-	-
	Paris	1019.1	72	N	2	0	1022.3	+1	64	0	NNE	2	-	0	-	-	73	59	-	-	-	-
	Belfort	1017.9	72	E	3	c	1020.8	-	70	-	E	2	-	bc	-	-	71	59	-	-	-	-
	Lyons	1017.1	75	NNE	1	bc	1019.5	-	68	0	N	1	-	bc	-	-	82	64	-	-	-	-
	Nice	1016.3	72	SW	1	bc	1017.6	+2	73	0	-	0	-	bc	0	-	82	63	-	-	-	-
	Perpignan	1016.3	72	-	0	0	1018.1	+3	68	-2	-	0	-	bc	-	-	82	59	-	-	-	-
	Sanguinaire	-	77	NN	3	0	-	-	73	+3	E	3	-	bc	2	-	81	66	-	-	-	-
	Corunna (7 a.m.)	1017.5	63	NNE	5	0	1014.0	0	61	+6	ESE	2	-	0	2	-	64	55	-	-	-	-
	Madrid (8 a.m.)	1012.4	79	SSE	1	c	1017.0	+1	66	+3	E	2	-	0	-	Trace	81	63	-	-	-	-
	Lisbon (9 a.m.)	1013.5	68	WSW	4	0	1016.3	+3	63	+4	S	2	-	0	2	-	73	59	-	-	-	-
AZORES, &c.	Gibraltar	1015.6	69	E	4	f	1015.9	-	70	+5	E	3	-	bc	1	-	76	65	-	-	-	-
	Rome	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-</	

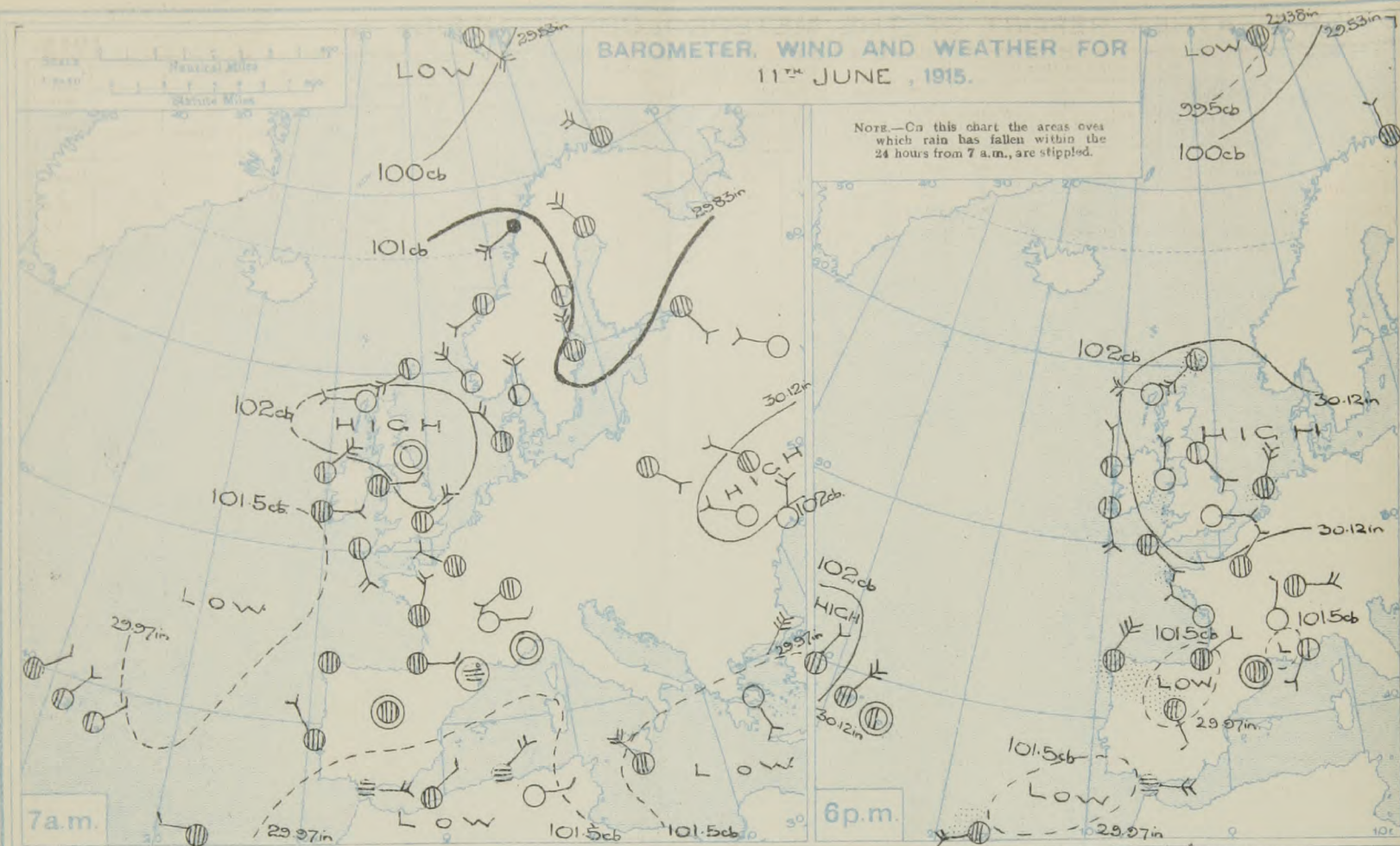
## RAINFALL.

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

\* Information for these columns not usually received.





**FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.**

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

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

No Warnings  
Issued

Western Channel and Bay 11

- |    |            |  |
|----|------------|--|
| 0  | a }<br>b } | Wind mainly Westerly, light or moderate; mostly fair, some rain locally; cool.                                     |
| 1  | {          | Wind light, mainly Westerly; fair or bright, moderate temperature.   |
| 2  | a }<br>b } | Wind light, rather variable; fair or bright generally; rather warm.  |
| 3  | {          | Wind light, between North-East and East; fair or bright generally, some haze locally; moderately high temperature. |
| 4  | a }<br>b } |  |
| 5  | {          |  |
| 6  | a }<br>b } | Same as No. 1.   |
| 7  | a }<br>b } | Same as No. 2.   |
| 8  | a }<br>b } | Same as Nos. 3 to 5.   |
| 9  | a }<br>b } | Wind light, variable; fine; warm.  |
| 10 | a }<br>b } |  |
| 11 | {          | Easterly or North-Easterly winds, light; sea smooth; fair, some mist.  |

**FURTHER OUTLOOK.**

R. G. K. LEMPFERT, Superintendent, Forecast Division.

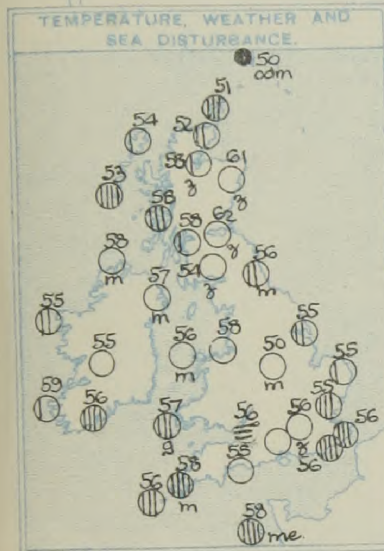
W. N. SHAW, Director



# SYNOPTIC CHART FOR 7 a.m., SATURDAY, 12<sup>TH</sup> JUNE, 1915.

## GENERAL INFERENCE.

The barometric changes in progress appear too slight to result in any great modification in the general distribution



## EXPLANATION.

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

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

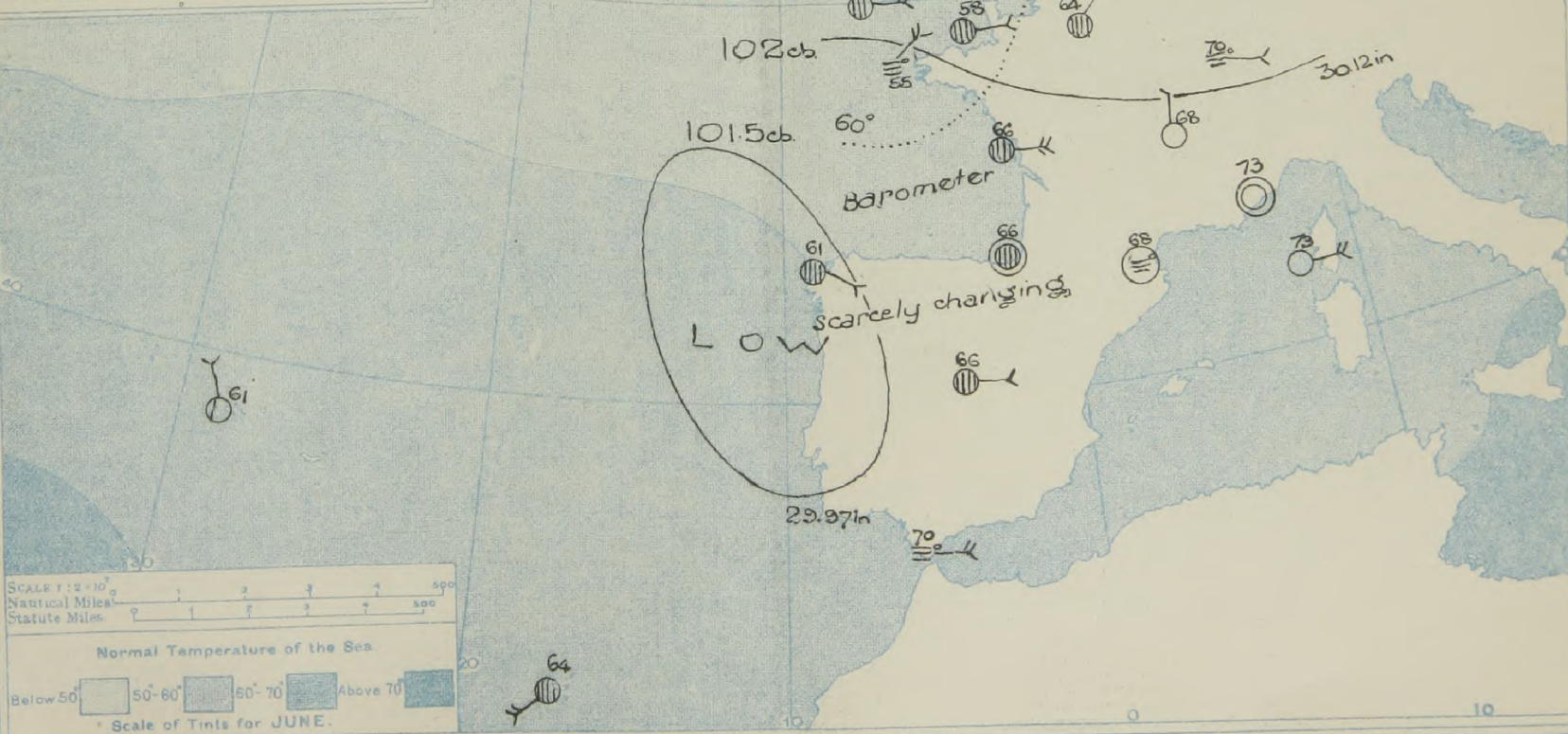
Force, on the scale 0-12, is indicated by the number of feathers. Calm

**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. T, thunderstorm.

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





## DAILY WEATHER REPORT.

Saturday 12<sup>th</sup> June 1915.

REPORTS  FOR  YESTERDAY.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain- fall. Milli- metres.		TEMP.	
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Wea- ther.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.					
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.								
																° F.	° F.			
11 <sup>th</sup> June	Spitzbergen	1000.0	32	SE	6	5	995.4	-3	28	-8	SE	4	*	0	*	34	28			
	Vardo	1008.6	41	SE	1	0	1006.4	+2	45	+2	NNW	4	-	0	3	43	34			
	Bodo	1011.0	45	SW	4	0	1011.7	+2	43	-9	SW	4	-	0	2	52	39			
	Christiansund	1013.7	50	-	0	0	1013.1	0	48	-7	SW	2	-	0	2	54	50			
	Skudesnaes	1015.5	55	NN	4	0	1019.9	+2	52	-5	NN	4	-	0	2	57	48			
	Faerder	1009.5	59	S	1	0	1014.4	+3	57	+2	N	6	-	0	2	63	55			
	Skagen	1016.9	63	N	1	0	1014.8	+5	59	0	N	4	-	0	3	66	52			
	Blaavandsbuk	1013.5	57	N	4	0	1017.5	+3	57	0	NNW	3	-	0	3	59	54			
	Haparanda	1008.6	54	NN	2	0	1006.1	-1	52	+2	NNN	4	-	0	2	55	50			
	Hernösand	1008.8	55	SW	2	0	1012.0	+2	54	+4	NNN	2	SW	0	2	61	48			
	Stockholm	1009.7	68	WSW	2	0	1008.8	+1	61	-11	N	4	-	0	2	81	61			
	Wibby	1011.0	73	SSW	4	0	1009.0	0	61	-11	WSW	2	W	0	2	81	59			
	Karstad	1009.1	72	-	0	0	1011.7	+4	61	-2	NNE	2	W	0	2	77	54			
	Petrograd	1016.4	59	NW	2	0	1011.3	-4	61	+7	SSE	2	W	0	2	64	54			

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. & %	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. & %	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		°F.	°F.						°F.	°F.			
Scotland.	Oban ...	65	43	-	-	10.1	Tunbridge Wells ...	0.3	64	52	0	bc. b	2.8
	Banff ...	68	46	z	z	13.2	Margate ...	-	58	54	c	c. bc	0.1
	Carnoustie ...	60	43	-	-	13.4	Ramsgate ...	1	64	53	0	z	1.3
	St. Andrews ...	68	40	*	*	9.2	Hastings ...	8	65	52	0.0	bc. b	3.4
Engl. N.E.	Harrogate ...	66	46	z. bc	z. bc. c	7.6	Bexhill-on-Sea ...	7	68	52	c	c	3.5
	Skegness ...	61	49	bc	b. bc	11.3	Eastbourne ...	2	63	53	0. bc	bc. b	3.1
Engl. N.W.	Morecambe ...	69	49	bc. b	c. bc	9.6	Seaford ...	-	68	56	c. bc	c. bc. b	5.0
	Blackpool ...	71	47	bc. c	c. bc. b	9.7	Brighton ...	-	68	55	0. bc	bc	4.7
	Southport ...	71	47	bc. c	c. bc. b	9.7	Worthing ...	-	69	50	0	bc	5.0
Midlands.	Buxton ...	67	49	bc	z	6.0	Littlehampton ...	-	68	56	0. c	bc	6.1
	Leamington Spa ...	71	52	c	bc. c	8.8	Bognor ...	-	70	58	bc	bc	5.4
	Malvern ...	71	52	3	bc. b	5.0	Southsea ...	-	67	56	c	0	6.5
Wales.	Ross-on-Wye ...	71	50	om	bc. c	4.6	Bournemouth ...	-	67	56	c	0	6.5
	Rhyl ...	72	52	z	z	9.5	Weymouth ...	-	65	58	z. bc. c	bc. b	3.6
	Colwyn Bay ...	71	52	bc	z	8.3	Torquay ...	-	61	58	0	0	0.1
England, E.	Llandudno ...	72	54	c. bc	z	4.8	Paignton ...	-	60	57	0	0	0.0
	Aberystwyth ...	73	57	0. c	c. bc	1.7	Falmouth ...	-	64	57	0. bc	cm. om	6.2
	Tenby ...	62	48	0. bc	0. bc	0.0	Penzance ...	5	64	58	z	bc. c	7.8
England, E.	Cromer ...	62	53	bc	c	8.1	Newquay ...	1	67	55	c. bc. b	z. bc. c	6.5
	Lowestoft ...	61	55	c	c	1.5	Ilfracombe ...	-	66	58	0	0	0.0
	Felixstowe ...	59	55	c	c. bc	0.9	Weston-super-Mare ...	-	71	55	c. bc	z. bc	3.3
	Walton-on-Naze ...	59	55	c	c. bc	0.9							
England, E.	Southend-on-Sea ...	64	55	0. c. c	0. bc	2.8							

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.										
Greenwich (Royal Obs.) ...	% 60	% 67	Hr. 4.6	° F. 68	° F. 48	° F. 37	mm. & -	c	bc	bc
City (Bunhill Row) ...	*	*	5.2	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	68	71	4.7	68	52	47	-	z	z	z
Camden Sq. (Brit. Rainfall)	51	60	5.5	74	50	47	-	c	c. bc	*
Hampstead (Reservoir) ...	*	61	6.7	67	47	34	-	bc	bc	bc
Richmond Park	*	*								
Kew. (See front page.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Total.		Average Rate.		Max. Rate.		
S. Kensington (Roof of M.O.)	55	58	4.5	1533 Joules		259 Milliwatts.		61 Milliwatts.		

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

12 <sup>th</sup> & 13 <sup>th</sup> June 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.32	11.52	8.13
Greenwich ...	3.32	11.53	8.14
Wick ...	3.45	11.59	8.14
Valencia ...	3.45	12.0	8.15
	3.8	12.11	9.15
	3.8	12.12	9.16
	4.23	12.40	8.58
	4.23	12.41	8.59

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.

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
		° F.	° F.	° F.				
Dublin to 4 p.m.	mm. §	° F.	° F.	° F.				Hr.
Darwen to 9 p.m.	-	63	54	50	0. cl. p.	0. g.	c. b. u.	*
Manchester "	-	69	48	41	c. v. b. u.	bc	bcu	5.5
Birmingham "	-	70	50	45	*	c	c. b. c	7.3
Oxford to 8 p.m.	*	63	58	58	c	c	c. bc. c	*
Teignmouth to 9 "	-	63	58	58	c	c	c. bc. c	1.5
Plymouth "	-	69	56	50	0. c	0. c.	b. g. b. g.	*
S. Kensington (Museum Grounds to 6 p.m.)	-	69	56	50	0. c	0. c.	b. g. b. g.	*

## NOTES ON YESTERDAY'S WEATHER.

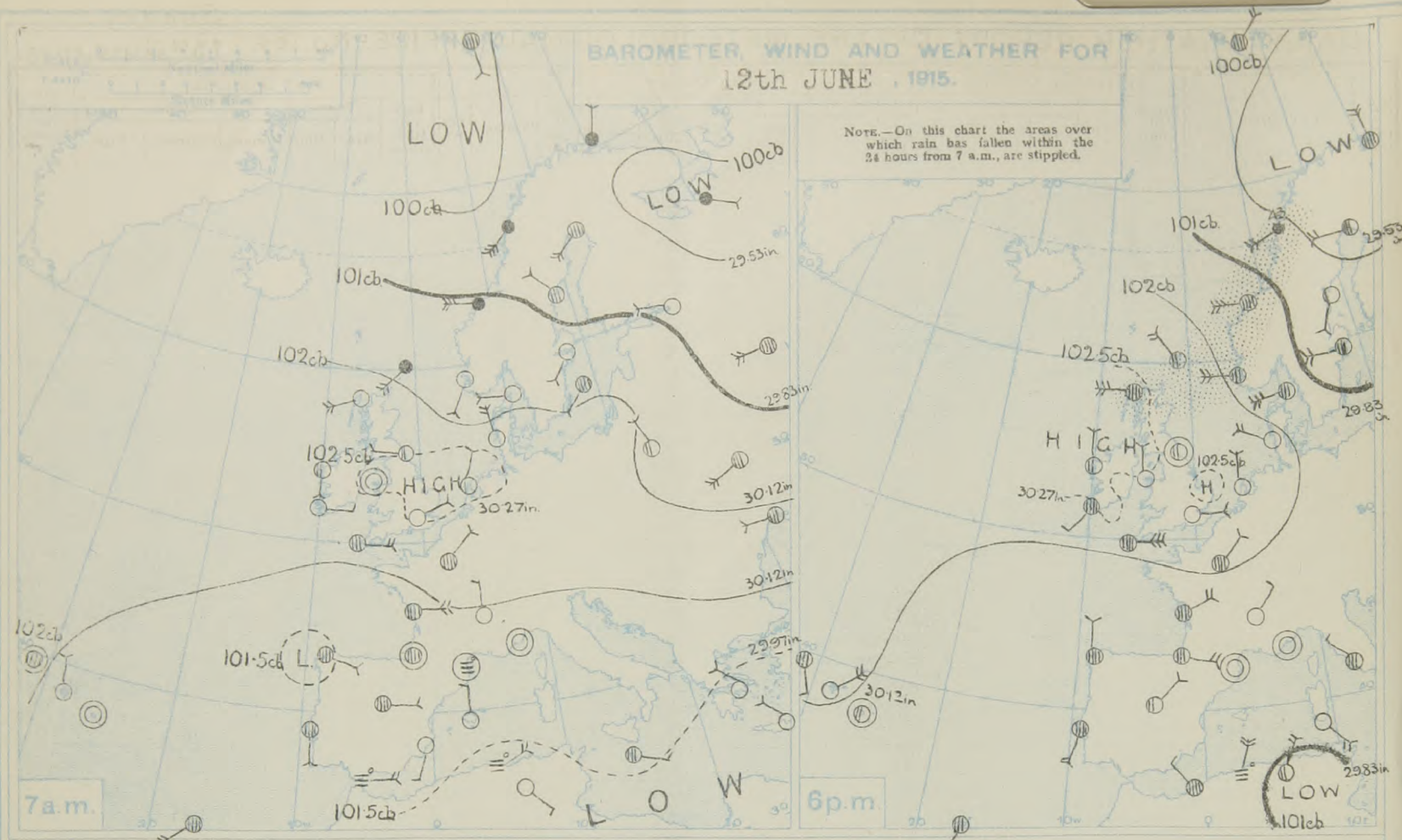
Temperature rose to about 70° over a large area in England, and to nearly as high in a few parts of Scotland. Bright sunshine varied considerably in different districts, but was much more abundant in Scotland than elsewhere.

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. and at the bookstalls at certain Railway Termini in London.



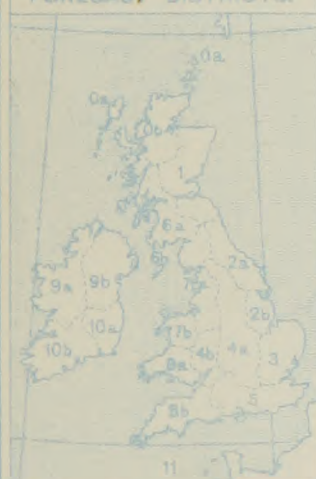
DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 24 hours.	Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-3.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1022.0	53	NW	3	bc	1028.6	+2	46	+5	NNE	4	-	bc	3	3	55	43	f d c	bc	bc	Hours.	
	Deerness	1023.3	52	WNW	4	m	1029.4	+	46	-5	N	4	NE	C	3	-	55	44	c o	om	mdc	0.1	
	Stornoway	1026.1	58	W	5	og	1029.1	+2	51	-3	NE	3	-	o	3	0.3	63	50	og	o. o	cod pz	10.2	
	Castlebay (Barra Isd.)	1026.4	57	WNW	3	bc	1029.9	0	53	0	W	2	-	om	2	-	59	50	o. bz	bz b	o. om	10.8	
	Glasgow	1024.9	68	W	2	z	1027.2	+2	55	+3	E	3	-	z	-	-	72	48	b. bz c	c. bz	bz. b	11.1	
	Esdailemuir	1024.3	70	SW	3	og	1027.2	+1	52	-2	NNW	3	-	C	-	-	71	44	bz	bz	o. b. c	13.5	
	Malin Head	1025.9	60	N	2	og	1027.4	0	54	-4	E	1	-	bm	1	-	65	50	bz	bz	bm	14.2	
	Blacksod Point	1025.7	60	N	2	bc	1025.4	0	56	+1	NNE	2	-	om	2	-	64	50	bz	bz	o. b. c	14.2	
	Valencia	1022.8	62	SW	1	o	1022.0	0	64	+5	E	1	-	og	2	-	64	58	bc	bc. c. og	c. c. og	8.2	
	Roche's Point	1025.8	62	SE	4	o	1024.3	+	59	+3	E	3	-	o	3	-	66	55	o	o	om	10.3	
	Birr Castle	1024.3	70	NNE	1	z	1024.9	+	60	+5	NE	1	-	m	-	-	74	54	z	z	z	10.3	
	Donaghadee	1025.4	58	NE	2	bm	1026.4	+1	53	-4	NNW	2	-	bm	1	-	66	51	bm	bm	bm	11.6	
	Liverpool (Bliston)	1024.5	65	NW	1	z	1024.8	0	59	+1	WNW	1	-	z	1	-	70	56	z	bm	bm	11.6	
	Holyhead	1024.8	60	N	2	bm	1024.9	+1	57	+1	NNE	3	-	bm	2	-	66	55	bm	bm	bm	11.4	
	Pembroke (St. Ann's)	1023.6	63	ESE	1	bc	1023.8	+	55	-2	ENE	1	-	bm	1	-	66	53	og	bm	bm	8.3	
	Scilly (St. Mary's)	1021.1	57	E	6	o	1020.8	0	58	+2	E	4	-	o	4	-	60	55	bm	om	om. k. o	10.6	
	Falmouth	1022.2	59	E	3	o	1022.1	0	58	0	NE	2	-	og	3	-	61	54	o	og	om. og	2.6	
	Jersey (St. Aubin)	1021.4	64	ENE	3	og	1020.8	+	59	+1	E	3	-	o	2	-	67	55	o	og	o	0.0	
	Portland Bill	1023.4	58	E	3	bc	1022.7	?	57	+2	ENE	3	-	z	2	-	59	53	c. bc	bc	a. c. bc	1	
	Dunegness	1023.3	59	NE	4	o	1022.2	-1	57	+1	NE	3	-	o	3	-	62	52	o. c. o	o. c. o	o. c. o	1	
	Dover	1023.9	57	N	4	z	1023.4	0	58	+2	NNE	3	-	bc	3	-	65	48	z. bc	bc. bc	c. bc. c	7.8	
NORTHERN EUROPE.	Wick	1024.5	54	WNW	3	o	1029.4	+3	47	-5	NNE	3	-	of	2	1	64	46	og. om	om. og	od. fne	14.4	
	Nairn	1023.9	72	W	2	bc	1027.9	+	51	-9	ENE	2	-	od	2	1	74	51	og. bz	og. bz	c. z	14.4	
	Aberdeen	1024.7	60	ENE	1	z	1028.5	+3	51	-10	N	3	-	o	2	Trace	74	50	z. bc	bc. z	z. o. p	14.7	
	Leith	1023.8	73	WNW	2	z	1027.3	+2	57	-5	E	1	-	z	-	-	75	50	z. bz	bc. z	z	1	
	Tynemouth	1023.9	68	-	0	bc	1026.9	+2	54	-2	N	2	-	z	3	-	74	53	bm	bm	bc	1	
	Spurn Head	1025.0	54	S	3	bc	1025.3	0	58	+3	N	1	-	z	1	-	62	53	bc	bc	z	11.3	
	Yarmouth	1025.6	56	NE	2	C	1024.9	+2	56	+1	N	2	-	C	1	-	59	49	z. bc	bc. c	z	11.5	
	Clacton-on-Sea	1023.7	59	ENE	2	o	1024.2	0	55	0	NNE	2	-	o	1	-	61	50	o. c	c. o	o	9.5	
	Nottingham	1024.6	71	SE	1	C	1024.8	+	55	+5	SW	1	-	bm	-	-	74	46	bm	bm. c	c. bc	9.2	
	Bath	1023.4	70	NE	1	m	1024.0	+	56	0	ENE	1	-	m	-	-	73	56	m. og	z	z	10.2	
	Sth Farnborough	1023.5	67	ENE	5	z	1023.6	0	57	-3	NE	1	-	z. w	-	-	71	41	z	z	z	10.2	
	London (Kew Obsy.)	1024.0	67	E	2	og	1024.4	0	55	-1	NNE	1	-	og	-	-	67	46	z	z	z	7.6	
ICELAND, FAEROE, &c.	Spitsbergen	1003.4	54	NE	2	o	1008.8	+5	36	0	-	0	-	o	-	-	36	32	-	-	-	-	
	Isafjord...																						
	Reykjavik																						
	Vestmanna																						
	Seydisfjord																						
NORTHERN EUROPE.	Thorshavn																						
	Vardö	998.1	41	N	4	o	998.4	+2	43	+2	NNW	3	-	o	3	-	43	39	-	-	-	-	
	Bodö	1000.4	43	SW	4	z	1004.6	+3	45	-1	W	6	-	o	3	4	46	41	-	-	-	-	
	Christiansund	1015.1	44	W	5	o	1019.3	+2	44	-4	W	5	-	T	4	6	50	39	-	-	-	-	
	Skudesnaes	1018.4	52	W	4	C	1021.7	+2	46	-9	NNW	7	-	C	2	4	58	46	-	-	-	-	
	Færder (X'ania Fjord)	1011.4	66	NW	5	C	1012.8	0	55	-4	NNW	6	-	z	2	-	61	55	-	-	-	-	
	The Scaw (Skagen)	1014.7	57	WSW	5	C	1013.1	0	57	-2	WNW	5	-	z	5	-	61	52	-	-	-	-	
	Blaavands Huk	1022.4	54	WNW	3	z	1020.3	0	54	-1	NW	4	-	o	4	-	59	52	-	-	-	-	
	Haparanda	996.6	54	W	2	C	995.0	0	54	+4	N	4	N	bc	-	-	61	41	-	-	-	-	
	Hernösand	1004.8	55	SSW	2	z	1002.6	0	48	-6	W	6	-	C	-	-	61	45	-	-	-	-	
FRANCE, &c.	Stockholm	1006.1	66	W	4	C	1005.9	-1	54	-12	WNW	4	-	C	-	-	73	48	-	-	-	-	
	Wisby	1009.6	59	SW	4	bc	1006.7	0	54	-3	N	2	NW	C	-	-	70	50	-	-	-	-	
	Karlstad	1008.8	66	W	6	bc	1011.0	+1	52	-9	WNW	8	-	z	-	Trace	70	48	-	-	-	-	
	Petrograd (G.M.T.)	1006.3	59	WSW	3	C	997.5	-3	53	-2	W	4	-	o	-	2	63	50	-	-	-	-	
	The Helder	1024.7	59	N	2	z	1023.7	0	59	+2	N	1	-	z	1	-	64	55	-	-	-	-	
	Brussels	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	C. Gris Nez	1023.0	55	ENE	5	o	1022.0	0	56	+1	NE	4	-	o	3	-	61	52	-	-	-	-	
	La Hève	1022.1	64	NE	3	o	1020.2	+	63	+2	NE	2	-	o	2	-	66	57	-	-	-	-	
	Ushant	1018.7	59	E	5	m	1018.7	+	57	+2	NE	2	-	m	3	-	64	52	-	-	-	-	
	Brest (St. Mathieu)	1019.1	68	E	1	m	1019.7	0	63	0	NE	2	-	m	2	-	82	57	-	-	-	-	
FRANCE, &c.	Rochefort (Ile d'Aix)	1015.7	76	ENE	3	o	1015.8	0	65	-3	ENE	2	-	C	-	-	84	63	-	-	-	-	
	Biarritz	1013.9	75	ESE	3	C	1016.3	+2	65	-7	W	4	-	C	2	-	86	63	-	-	-	-	
	Paris	1020.6	70	NNE	2	bc	1019.8	+1	61	-3	NNE	2	-	o	-	-	72	55	-	-	-	-	
	Belfort	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lyons	1017.0	79	NNE	1	o	1017.0	+	71	+3	NE	1	-	z	-	-	84	66	-	-	-	-	
	Nice	1016.3	73	-	0	z	1015.0	+2	76	+3	-	0	-	z	0	-	84	66	-</				





FORECASTS FOR THE 24 HOURS\* NOON SUNDAY TO NOON MONDAY.

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

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

No Warnings Issued.

Western Channel and Bay 11

0 } Wind Northerly to North-Easterly, light; fair  
1 } or fine generally; moderate temperature.

2 }  
3 } Wind mainly between North and North-East, light;  
4 } fair or bright generally, but local haze; temperature  
5 } moderately high.

6 } Same as Nos 0 to 2.

7 } Wind between East and North-East, light or moderate;  
8 } fair or bright generally; rather warm.

9 } Light variable or Easterly winds; fair or bright;  
10 } rather warm.

11 } Wind Easterly or North-Easterly, light or moderate,  
sea smooth or slight; cloudy or fair.

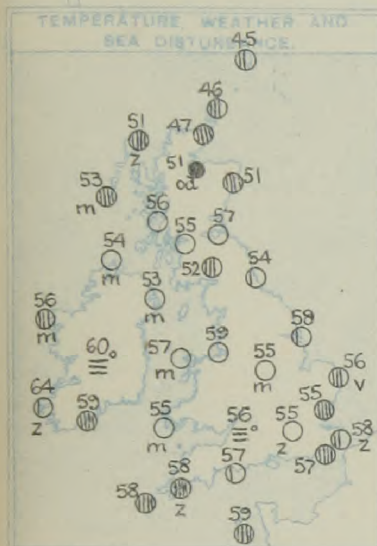
**FURTHER OUTLOOK.**



# SYNOPTIC CHART FOR 7 a.m. SUNDAY, 3th JUNE, 1915.

## GENERAL INFERENCE.

The general distribution of pressure will continue anticyclonic over the United Kingdom.



## 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:—

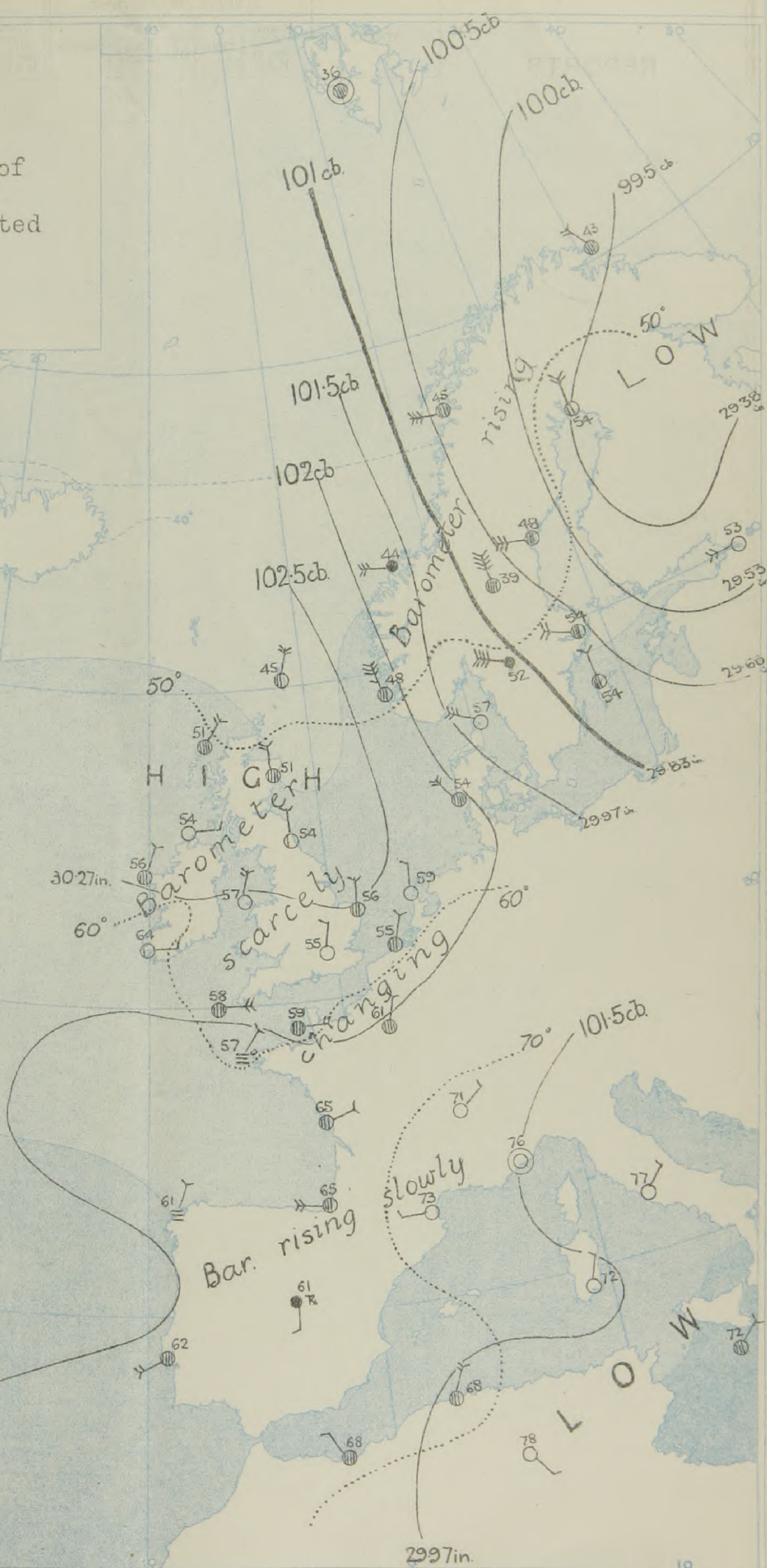
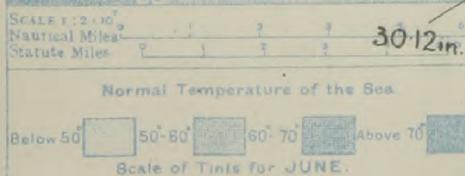
○ clear sky. ○ sky  $\frac{1}{2}$  clouded. ○ sky  $\frac{3}{4}$  clouded. ○ sky  $\frac{1}{2}$  clouded. ○ overcast sky. ● rain falling. \* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder. T, thunderstorm.

**SEA DISTURBANCE.**—Rough High

ches.  
-31

-30

-29





## DAILY WEATHER REPORT.

Sunday, 13th June, 1915.

REPORTS  FOR  YESTERDAY.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain- fall. Milli- metres.	TEMP.	
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Max.		Min.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.							
		° F.							° F.	° F.									
	Bodo	1007.4	46	S	2	c	1001.1	-3	46	+3	SW	6	-	4	4	6	44		
	Christiansund	1014.3	50	WSW	6	c	1010.3	-2	48	0	W	5	-	4	4	52	48		
	Skudesnaes	1014.7	54	WNW	3	b	1013.3	0	55	+3	SSW	2	-	2	2	55	52		
	Treskaw	1017.3	61	W	3	b	1015.9	+3	59	0	W	3	-	3	3	64	50		
	Blasvands Huk	1021.0	55	NNW	3	b	1024.2	+3	55	-2	NNW	3	-	2	2	59	50		
	Haparanda	1006.9	61	NNW	4	b	1004.4	-1	50	-2	SW	4	-	*	*	56	43		
	Helmstad	1013.3	61	NNW	2	b	1009.6	-3	54	0	NNW	2	-	*	*	64	46		
	Stockholm	1013.7	63	NNE	2	b	1013.5	-3	56	+5	SW	2	-	*	*	55	52		
	Wibby	1015.9	57	NNE	4	b	1015.0	-1	57	-4	SW	2	-	*	*	56	46		
	Karlskrona	1014.4	73	W	2	b	1013.9	-1	61	0	SSW	4	-	*	*	66	46		
	Petrograd	1005.7	63	SE	2	c	1009.3	+3	55	-6	WNW	2	-	*	*	75	48		
12th June 1915																			

12th June 1915

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.		
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.			
	mm. §	° F.	° F.			Hr.		mm. §	° F.	° F.			Hr.		
Scotland.	{ Oban ... ..	-	63	49	b	b	10.2	England, S.E.	{ Tunbridge Wells ... ..	-	67	48	bz	bz	6.6
	{ Banff ... ..	-	66	42	bz	b	12.8		{ Margate ... ..	-	58	53	c. o	c. o	5.1
	{ Carnoustie ... ..	-	80	49	b	b	13.3		{ Ramsgate ... ..	-	59	51	z	z	8.8
	{ St. Andrews ... ..	-			*	*			{ Hastings ... ..	-	67	50	o. bc. b	bc. c	7.4
Eng. N.E.	{ Harrogate ... ..	-	72	44	b	b. bc. c	9.9		{ Bexhill-on-Sea ... ..	-	67	53	c	c	4.1
	{ Skegness ... ..	-	62	48	bc	bc	11.4		{ Eastbourne ... ..	-	65	50	o. b	o. bc. bz	6.5
									{ Seaford ... ..	-	70	50	b	b	10.3
Eng. N.W.	{ Morecambe ... ..	-	69	50	bz	bz	10.1		{ Brighton ... ..	-	71	52	b. bc	bc. c	10.1
	{ Blackpool ... ..	-	69	47	z	z	11.5		{ Worthing ... ..	-	68	51	z. b	bz	7.5
	{ Southport ... ..	-							{ Littlehampton ... ..	-	67	50	bc	bc	8.4
								{ Bognor ... ..	-	65	50	bc	bc	8.5	
Midlands.	{ Buxton ... ..	-	73	44	b	b	8.0	{ Southsea ... ..	-						
	{ Leamington Spa ... ..	-	71	49	z	z	11.0	{ Bournemouth ... ..	-	68	47	o. c	c. o	6.2	
	{ Malvern ... ..	-	71	52	z. b	b	10.2								
	{ Ross-on-Wye ... ..	-	70	50	b	b	10.6								
Wales.	{ Rhyl ... ..	-	65	52	bc	bc. c. o	10.0	England, S.W.	{ Weymouth ... ..	-	66	52	z bc. b	b. bcz	9.7
	{ Colwyn Bay ... ..	-							{ Torquay ... ..	-	62	52	b	b	12.0
	{ Llandudno ... ..	-							{ Paignton ... ..	-	62	50	bc	bc	9.4
	{ Aberystwyth ... ..	-	67	52	o. c. b.	bc. c	9.0		{ Falmouth ... ..	-	61	55	om. bc. o	om	2.6
	{ Tenby ... ..	-	67	49	b	b	8.0		{ Penzance ... ..	-	64	55	bc	oz	1.0
England, E.	{ Cromer ... ..	-	63	48	bm	bm	11.7		{ Newquay ... ..	-	66	52	bcz	bcz	6.5
	{ Lowestoft ... ..	-							{ Ilfracombe ... ..	-	67	58	z. bz	z. bz	9.0
	{ Felixstowe ... ..	-	60	45	bc	bc	8.3		{ Weston-super-Mare ... ..	-					
	{ Walton-on-Naze ... ..	-	59	48	bc	bc. c	8.1								
	{ Southend-on-Sea ... ..	-	66	50	bz	b. bcz	8.3								

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.	
				Max.	Min.						
24 HOURS ENDED 9 A.M. TO-DAY.											
	%	%	Hr.	° F.	° F.	° F.	mm.‡				
Greenwich (Royal Obsy.) ...	43	47	8.6	71	45	30	-	bz	bz	bz	
City (Bunhill Row) ...	*	*	9.2	*	*	*	*	*	*	*	
Westminster (St. James's Pk.)	51	61	8.5	65	50	43	-	bc	b	b	
Camden Sq. (Brit. Rainfall)	39	65	9.8	74	48	44	-	bz	bz	*	
Hampstead (Reservoir) ...	*	45	9.2	68	49	36	-	bc.o	bm	bm	
Richmond Park ...	*	*	8.6								
Kew. (See front page.)											
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.											
Total.				Average Rate.			Max. Rate.				
S. Kensington (Roof of M.O.)				1768 Joules			29.8 Milliwatts.			57 Milliwatts.	

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

13th June 1915.	Sunrise.	Noon.	Sunset.
Yarmouth ...	5.31	11.53	8.14
Greenwich ...	3.45	12.0	8.15
Wick ...	3.8	12.12	9.46
Valencia ...	4.23	12.41	8.59

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.

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
	mm.‡	° F.	° F.	° F.				Hr.
Dublin to 4 p.m.	-	67	52	48	bf.m	bm	bm	8
Darwen to 9 p.m.	-	74	54	48	bc.o	og.bc	bc.og	4.5
Manchester "	-	77	52	*	o	a.c	c.o	7.5
Birmingham "	-	70	52	40	*		z	6.1
Oxford to 8 p.m.	*	71	49	43	bcz.bz	z	z	*
Teignmouth to 9 "	-	63	51	50	c	c.b	b	11.1
Plymouth "	-	66	55	49	ov	o	c.b	10.3
S. Kensington (Museum Grounds to 6 p.m.)	-	70	52	44	bbe.cz	bz	bz	*

## NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 80° at Carnoustie, 75° at Leith, and above 70° in many parts of the Kingdom, but barely exceeded 60° on some parts of the extreme southwest coast of England. Bright sunshine was abundant generally, but in the Channel Islands and at some southwestern stations the records were very slight.

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. and at the bookstalls at certain Railway Termini in London.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 165

Monday  
14th June 1915.

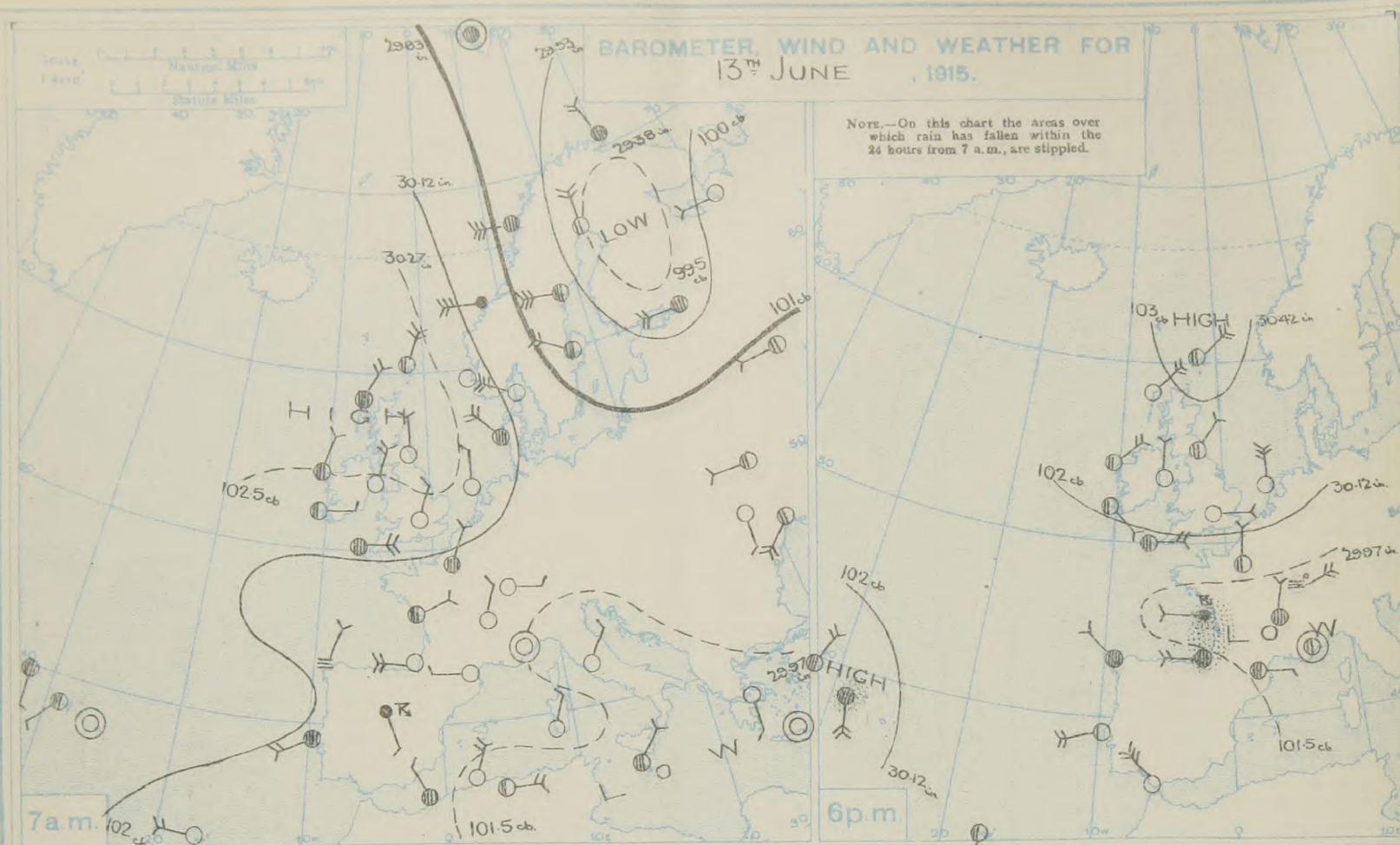
DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	Temp.	Wind.		Weather.	Barometer.		Temp.		Wind.		Direc. of Upper Cloud.	Weather.	Sea 0-8.	Rain- fall. Milli- metres.	Temp.		Weather.				
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1031.3	47	NE	4	bc	1030.4	+	45	NE	3	-	c	2	-	47	41	bc	bc	c		Hours.	
	Deerness	1030.8	49	NE	2	b	1030.5	+	50	E	2	NE	bc	1	-	52	42	c, bc	bc, b	b, bc	12.3		
	Stornoway	1028.9	53	NE	4	bq	1028.8	0	54	ESE	2	-	b	2	-	55	48	o, b	bq	b	11.1		
	Castlebay (Barra Isd.)	1026.7	63	N	2	b	1027.7	0	54	SE	2	-	c	2	-	55	53	om, bc	bc, b	bc	7.2		
	Glasgow	1028.4	56	ENE	4	o	1029.5	0	47	E	3	-	c	2	-	66	42	bq, bc	b, bc, c	b, bc, c	10.9		
	Eskdalemuir	1027.8	55	NE	4	bc	1028.5	-1	48	NNE	5	-	bc	2	-	64	40	b, bc	bc	bc, b, bc	9.6		
	Malin Head	1025.5	58	NE	1	b	1026.4	0	52	ESE	3	-	bc	2	-	60	50	bc, m	bc	bc, m	12.5		
	Blacksod Point	1023.9	61	NE	3	bc, bz	1023.2	0	57	SE	3	SE	bc	2	-	69	54	bc	bc	bc, m	10.7		
	Valencia	1021.0	72	SE	2	bc, bz	1020.5	0	64	E	2	E	bc	2	-	75	51	bc	bc	c, o, c, bz	10.7		
	Roche's Point	1023.1	62	SE	2	m	1022.6	0	58	E	3	-	o	3	-	67	56	z	z	z, om			
	Birr Castle	1022.8	70	NE	1	m	1023.5	0	54	NE	1	-	f	3	-	74	52	z	z	f	11.2		
	Donaghadee	1024.4	59	N	3	bm	1027.0	0	51	SE	3	-	bm	3	-	60	47	z	z	bc, m, b			
	Liverpool (Bidston)	1023.3	65	ENE	4	bc	1026.4	0	51	E	3	-	b	2	-	73	48	b	cm	b	10.1		
	Holyhead	1022.5	59	N	2	bm	1024.1	0	54	E	7	-	bm, og	6	-	63	52	bm	b, bc, b	b, bc, m	9.0		
	Pembroke (St. Ann's)	1021.5	65	-	0	b	1022.8	0	54	ESE	3	-	og	3	-	70	53	bm	bm	bm	7.4		
	Scilly (St. Mary's)	1019.0	62	E	3	c	1017.1	-1	57	E	6	E	bc, m	5	-	64	56	o, c	o, c	c, o, bc, m	5.4		
	Falmouth	1019.6	64	ENE	2	b	1020.1	-1	58	ENE	4	-	bc	3	-	68	55	o, bc	bc	b, bc	9.9		
	Jersey (St. Aubin)	1017.8	66	ENE	5	o	1018.4	0	55	E	6	E	c	4	-	71	54	o	o, c, o	o, c, o	11.0		
	Portland Bill	1020.2	62	E	3	b	1021.8	0	53	ENE	6	NE	bc	4	-	66	52	bc	b	bc			
	Dungeness	1020.5	61	NE	5	o	1022.4	+1	53	NE	5	NE	c	5	-	64	52	o	o	o, b, bc			
	Dover	1021.8	57	N	5	o	1023.6	0	52	NNE	5	E	c	4	-	64	49	bc, q	bc, c	o	9.5		
	Wick	1031.0	48	NE	2	b	1030.6	0	50	E	1	E	c	2	-	30	45	om, bc	bc, b	bc			
	Nairn	1029.7	52	ENE	4	bc	1030.0	0	49	-	0	-	b	1	0.2	56	33	d, c	bc	bc, m	6.5		
	Aberdeen	1030.3	52	ENE	3	b	1029.9	0	49	NNE	1	-	bc	2	-	56	43	o, b	b	b, bc	10.3		
Leith	1028.9	56	ENE	2	o	1029.4	0	50	E	3	E	c	2	-	59	45	b, bc, o	o	o, c				
Tynemouth	1028.8	54	NE	2	bc	1028.8	+1	50	NE	3	-	og	4	-	74	49	cm	bc	o				
Spurn Head	1027.3	56	NE	4	bc	1028.7	+4	55	NE	6	-	c	4	-	61	49	bc, o	o, bc	c	5.7			
Yarmouth	1024.7	56	NE	5	o	1025.1	0	52	NE	5	NE	o	3	-	65	50	o, b	b, o	o	9.0			
Clacton-on-Sea	1022.8	60	NE	4	o	1024.5	0	52	NNE	3	NE	c	3	-	64	50	o, c	c, o	og, c	9.3			
Nottingham	1025.5	57	NE	4	o	1026.8	0	50	NE	3	NE	o	2	-	71	46	bm, c	c, bc, c, o	o	5.9			
Bath	1021.3	71	E	1	m	1024.0	0	53	E	4	E	bc	2	-	75	50	z	z	z, c, bc	10.6			
Sth Farnborough	1020.9	70	NE	3	o	1023.4	0	52	ENE	3	E	bc	2	-	73	49	b	o	o, c, bc	9.7			
London (Kew Obsy.)	1021.6	70	E	2	bc	1024.5	0	52	ENE	4	-	bc	2	-	73	50	bc	bc	b, z, b, bc	10.2			
ICELAND, FAEROE, &c.	Spitsbergen																						
	Isafjord...																						
	Reykjavik																						
	Vestmanna																						
	Seydisfjord																						
	Thorshavn																						
NORTHERN EUROPE.	Vardö																						
	Bodö																						
	Christiansund																						
	Skudesnaes																						
	Færder (X'ianta Fjord)																						
	The Scaw (Skagen)																						
FRANCE, &c.	Blaavands Huk																						
	Haparanda																						
	Hernösand																						
	Stockholm																						
	Wisby																						
	Karlstad																						
SOUTHERN EUROPE.	Petrograd (6 a.m. G.M.T.)																						
	The Helder	1022.6	55	N	5	b	1022.3	-1	54	N	4	-	c	3	-	64	52						
	Brussels	*	*	*	*	*																	
	C. Gris Nez	1020.6	57	ENE	5	o	1022.4	+1	53	NE	6	-	c	4	-	61	52						
	La Hève	1017.0	70	NE	3	m	1021.7	*	54	ENE	3	-	bc	2	-	72	52						
	Ushant	1016.0	57	ENE	5	b	1014.9	*	55	ENE	5	-	m	3	-	61	54						
SOUTHERN EUROPE.	Brest (St. Mathieu)	1016.2	68	E	3	o	1016.0	+1	61	E	4	-	o	2	-	82	59						
	Rochefort (Ile d'Aix)	1013.9	72	W	2	bc	1015.7	+2	66	SW	2	-	o	2	-	86	64						
	Biarritz	1015.1	64	W	3	o	1016.7	+3	63	SW	2	-	o	2	-	75	61						
	Paris	1016.2	73	NNE	3	bc	1018.9	+2	59	NNE	3	-	o	2	-	79	52						
	Belfort	1014.6	73	ENE	4	m	1016.3	*	61	E	6	-	m	2	-	81	59						
	Lyons																						
SOUTHERN EUROPE.	Nice	1011.9	75	-	0	bc	1011.7	+1	72	-	0	-	b	0	-	84	64						
	Perpignan	1012.5	77	E	1	c	1018.6	+2	73	NW	3	-	b	2	-	88	64						
	Sanguinaire	*	*	*	*	*	*	*	73	S	2	-	m	1	-	90	66						
	Corunna (7 a.m.)	1015.4	61	NW	2	o	1015.5	+1	63	S	3	-	o	1	-	64	57						
	Madrid (8 a.m.)																						
	Lisbon (9 a.m.)	1017.6	73	WSW	4	b	1020.0	+2	61	-	0	-	o	2	-	72	57						
SOUTHERN EUROPE.	Gibraltar	1017.6	67	NW	5	b	1017.9	*	65	W	4	-	b	1	-	78	63						
	Rome																						
	Malta (8 a.m.)	*	*	*	*	*	1014.6	+2	72	-	0	-	b	0	-	75	68						
	Azores (Horta, 8 a.m.)	1020.7	*	SSE	4	o	1019.8	0	64	-	0	-	b	1	-	68	59						
	Madeira (Funchal)	1018.6	70	SSW	2	bc	1021.5	+2	66	NE	3	-	o	3	-	72	63						

## RAINFALL.

Equivalents of Millimetres.  
in Inches.

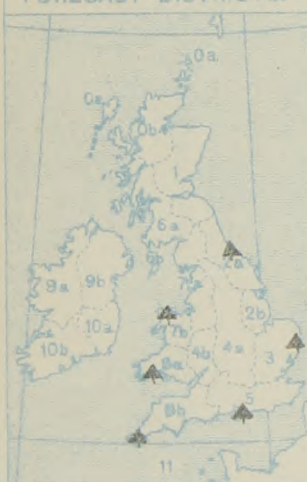
mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
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





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

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

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

North Coast hoisted at 8.30 a.m. to-day in Districts 2, 3, 5, 7, 8 & 11.

Western Channel and Bay

0 { Wind between South-East and North-East, mostly light; fair to fine; temperature moderate to cool.

2 { Squally Easterly to North-Easterly wind, fresh to high at times; cloudy to fair or fine; cool.

6 { Same as Nos. 0 and 1.

7 { Same as Nos. 2 to 5.

9 { Same as Nos. 0 and 1.

11 { Light to fresh Easterly breezes; moderate sea, fair to cloudy; cool.

**FURTHER OUTLOOK.**

R. G. K. LEMPFFERT, Superintendent, Forecast Division.

W. N. SHAW, Director.

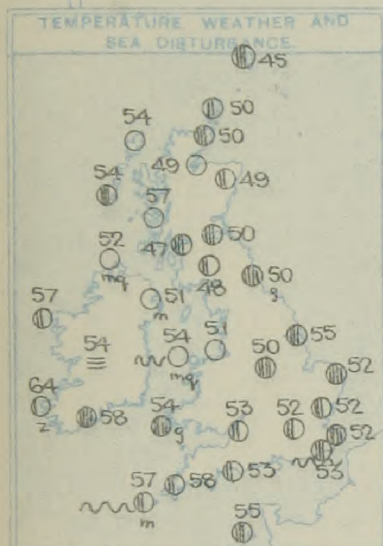


# SYNOPTIC CHART FOR 7 a.m., MONDAY, 14<sup>TH</sup>

JUNE, 1915.

## GENERAL INFERENCE.

Some increase of the  
Easterly wind is expected round  
England.



## 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 cloudy. ○ sky 3/4 cloudy.  
○ sky 3/4 cloudy. ○ overcast sky. ● rain falling.  
✱ snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.  
⚡, thunderstorm.

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





# PILOT BALLOON ASCENTS for the PAST WEEK. Component Velocities to East and to North in Metres per Second.

Station Date & Hour.		Comp. to E.		Comp. to N.		Comp. to E.		Comp. to N.		Comp. to E.		Comp. to N.		Comp. to E.		Comp. to N.		Comp. to E.		Comp. to N.		Comp. to E.		Comp. to N.		Comp. to E.		Comp. to N.	
		Falmouth. 8h.	15h.	Eskdalemuir. 9h.	7h.	Eskdalemuir. 9h.	13h.	Eskdalemuir. 10h.	13h.	Eskdalemuir. 10h.	14h.	Aberdeen. 11h.	12h.	Eskdalemuir. 11h.	8h.	St. Farnborough. 11h.	12h.	Eskdalemuir. 12h.	8h.	St. Farnborough. 12h.	7.30h.								
Heights in Kilometres.	4																												
	3	+8	+20			+7	+8											+4	+1										
	2	+9	+13			+5	+6	+1	0	+4	+2	+6	+5	+4	+3	0	+1	+5	+3										
	1	+7	+1	+8	+10	+8	+10	-2	-2	-2	-2	+5	+5	-1	+2	-3	-1	+6	+1										
	0.5	+6	+2	+9	+3	+4	+6	-5	0	-4	0	+6	+3	-3	0	-6	+1	+3	+1										
	+5	+3	+3	+3	+3	+7	-4	0	-5	+2	-1	+8	-2	-2	-2	0	-1	-2	-2										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.							Tunbridge Wells ...		69	44	bz	bz	8.5
Oban ...		73	44	bc	bc	5.6	Margate ...		59	53	bc	bc	8.8
Banff ...		52	50	c.bc	b	8.0	Ramsgate ...		62	50	z	z	9.4
Carnoustie ...		56	46	o	bc	2.4	Hastings ...		69	50	b	b.bc	11.5
St. Andrews ...				*	*		Bexhill-on-Sea ...		70	51	c	c	6.7
Eng. N.E.							Eastbourne ...		69	50	bz	bz	11.0
Harrogate ...		65	55	bc.c	c.o	1.8	Seaford ...						
Skegness ...		66	52	bc.o	o	7.6	Brighton ...		73	52	b	b	10.7
Eng. N.W.							Worthing ...		73	49	b	b	11.0
Morecambe ...							Littlehampton ...		*	*	*	*	10.5
Blackpool ...		74	52	bz	bz	9.0	Bognor ...		73	50	bc	bc	10.7
Southport ...		73	51	cz	c	10.5	Southsea ...		71	51	bc	c	10.0
Midlands.							Bournemouth ...		74	48	z	z	10.5
Buxton ...		70	46	b	b	11.6	Wales.						
Leamington Spa ...		74	48	z	z	8.2	Weymouth ...		75	52	z.bc.b	b.bc	9.6
Malvern ...		74	53	z	z	9.0	Torquay ...		71	52	z.b	b	11.5
Ross-on-Wye ...		73	49	bz	bz	9.9	Paignton ...						
Wales.							Falmouth ...		69	55	o.bc	bc	9.2
Rhyl ...		70	49	b	b	11.8	Penzance ...						
Colwyn Bay ...		65	51	bc	bc	10.2	Newquay ...		73	54	bz	bz	10.7
Llandudno ...		67	53	z	z	9.1	Ilfracombe ...		72	52	z	z	10.0
Aberystwyth ...		68	56	o.c.b	bc.m	8.7	Weston-super-Mare ...		76	50	b	b	9.0
Tenby ...													
England.													
Cromer ...		62	48	bc	bc.c.o	9.5							
Lowestoft ...		64	47	bc	bc.c	9.5							
Felixstowe ...		63	50	bc	bc.o.c	6.2							
Walton-on-Naze ...		68	49	bz	b.bc	7.8							
Southend-on-Sea ...													

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.		Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To-day.		In Screen.	Min. on Grass.		Fore- noon.	After- noon.	Night.
Greenwich (Royal Obs.) ...	46	64	9.4	73	49	47	b	b	b.bc.b
City (Bunhill Row) ...	*	*	8.5	*	*	*	*	*	*
Westminster (St. James's Pk.)	59	86	9.6	73	50	49	b	b	bc
Camden Sq. (Brit. Rainfall)		52	8.7	77	50	49	-	-	*
Hampstead (Reservoir) ...	*	66	9.8	71	46	57	b	bc	bc
Richmond Park ...	*	*	9.9						
Kew. (See front page.)									
(Greenwich and Camden Square air temperatures are in Glaisher screens.)									
S. Kensington (Roof of M.O.)		63	9.5						
				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.					
				Total.	Average Rate.	Max. Rate.			
				1879 Joules	31.6 Milli-watts.	58 Milli-watts.			

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

14th-15th June 1915.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.31	11.53	8.14
Greenwich ...	3.31	11.53	8.15
Wick ...	3.44	12.0	8.16
Valencia ...	3.7	12.12	9.17
	4.22	12.41	9.59
	4.22	12.41	9.59

## NOTES ON YESTERDAY'S WEATHER.

Temperature ranged from 49° at Lerwick to  
76° at Weston-super-Mare. Bright sunshine was also  
variable, ranging up to 12½ hours at Valencia.

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. and at the bookstalls at certain Railway  
Termini in London.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 166.

Tuesday  
15<sup>th</sup> June 1915.

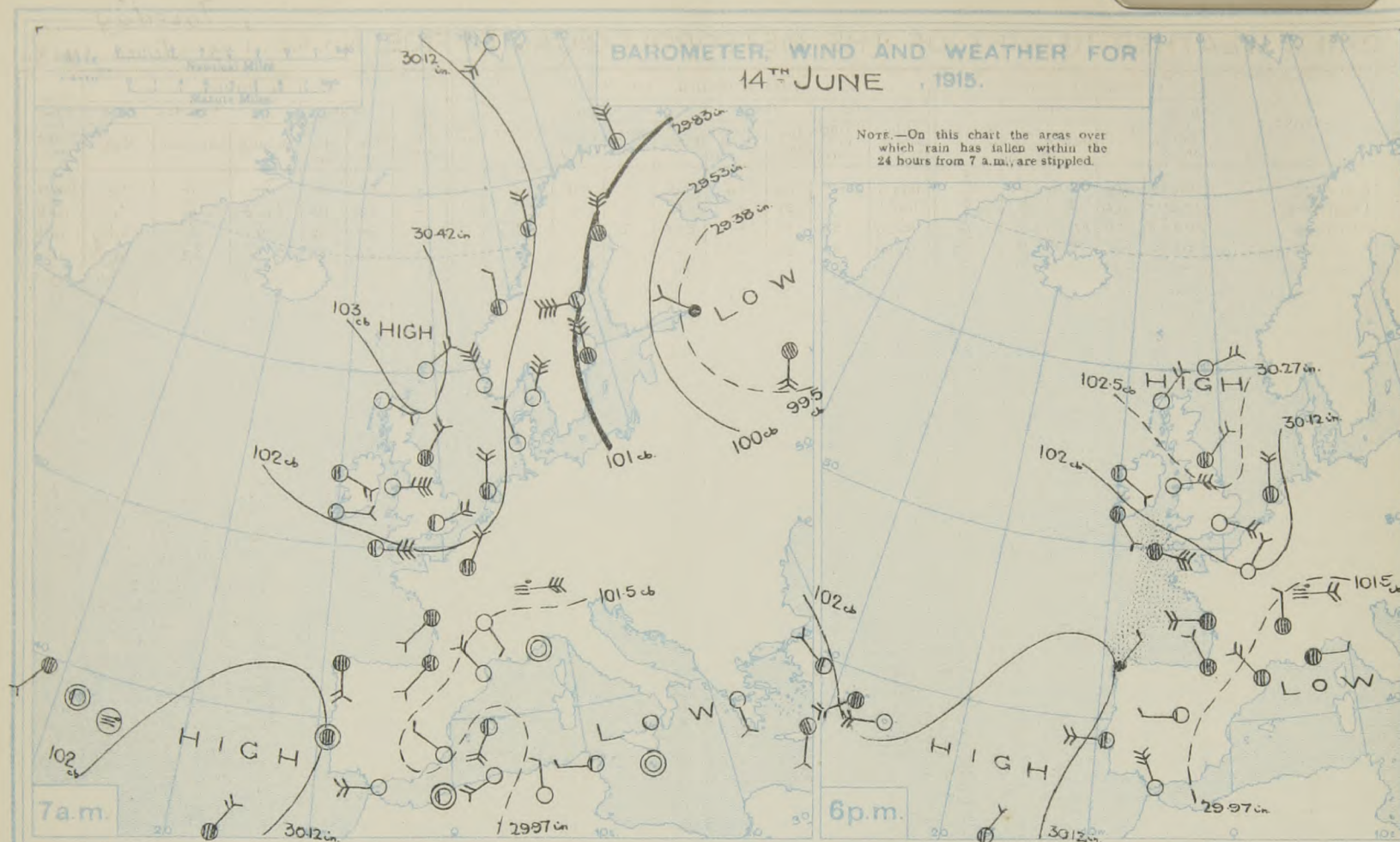
DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-3.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 24 hours.	Dry Bulb. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1029.4	56	ESE	3	bc	1027.8	-1	49	+4	NE	3	NE	bc	2	-	52	45	bc	bc	bc	Hours.
	Deerness	1029.0	49	E	3	bc	1028.1	0	51	+1	E	2	-	b	1	-	52	43	bc	bc	bc	14.8
	Stornoway	1026.8	58	NE	3	bc	1026.4	0	55	+1	ESE	2	-	b	2	-	50	45	bc	bc	bc	15.6
	Castlebay (Barra Isd.)	1025.2	61	NW	3	bc	1026.3	0	59	+5	-	0	-	b	1	-	64	52	bc	bc	bc	16.1
	Glasgow	1027.0	56	ESE	4	bc	1027.4	0	49	+2	ESE	3	E	bc	-	-	62	41	bc	bc	bc	15.7
	Eskdalemuir	1026.8	55	NE	3	bc	1027.9	0	50	+2	NE	3	-	bc	-	-	60	41	bc	bc	bc	15.3
	Malin Head	1024.1	55	E	3	bc	1024.5	0	55	+3	SE	3	-	bc	3	-	57	49	bc	bc	bc	15.0
	Blacksod Point	1021.2	68	SSE	2	bc	1021.6	0	56	-1	ESE	4	SE	bc	2	-	70	50	bc	bc	bc	6.6
	Valencia	1018.2	65	SE	2	bc	1019.4	+2	58	-6	E	3	SE	c	3	-	73	56	bc	bc	bc	6.6
	Roche's Point	1021.1	57	E	4	bc	1022.1	0	55	-3	SE	4	-	o	4	3	60	53	bc	bc	bc	9.5
	Birr Castle	1021.1	62	E	2	bc	1023.3	0	58	+4	E	1	-	b	2	-	66	46	bc	bc	bc	13.7
	Donaghadee	1024.3	57	NE	2	bc	1025.5	+1	51	0	ESE	3	-	bc	2	-	58	48	bc	bc	bc	13.7
	Liverpool (Bidston)	1022.5	65	E	3	bc	1025.6	0	51	0	SE	2	-	b	2	-	72	47	bc	bc	bc	8.6
	Holyhead	1021.7	58	E	5	bc	1023.7	+2	52	-2	E	4	-	bc	3	-	63	49	bc	bc	bc	13.7
	Pembroke (St. Ann's)	1021.6	59	E	3	bc	1023.2	+2	51	-3	SE	4	SE	bc	4	-	61	50	bc	bc	bc	8.6
	Scilly (St. Mary's)	1017.1	56	ESE	6	bc	1020.2	+1	54	-3	ESE	3	-	ond	5	3	59	52	bc	bc	bc	0.6
	Falmouth	1019.5	56	ESE	3	bc	1021.9	+2	52	-6	E	3	-	or	3	1	59	51	bc	bc	bc	7.1
	Jersey (St. Aubin)	1018.6	59	ESE	5	bc	1021.0	0	56	+1	E	4	-	o	3	-	62	54	bc	bc	bc	5.2
	Portland Bill	1020.7	54	ESE	5	bc	1022.3	0	51	-2	ESE	4	E	o	4	-	57	49	bc	bc	bc	13.7
	Dungeness	1021.7	55	NE	5	bc	1022.8	0	57	+4	NE	3	NE	bc	3	-	59	51	bc	bc	bc	13.7
	Dover	1022.6	52	NE	5	bc	1023.2	0	58	+6	NNE	4	E	bc	6	-	58	49	bc	bc	bc	6.5
	Wick	1028.7	49	E	2	bc	1027.5	0	51	+1	ESE	1	-	b	2	-	51	46	bc	bc	bc	13.2
	Nairn	1027.6	52	ESE	3	bc	1027.4	0	52	+3	-	0	-	b	0	-	56	38	bc	bc	bc	13.2
	Aberdeen	1028.5	52	NE	3	bc	1027.8	0	53	+4	NNE	1	-	b	2	-	57	43	bc	bc	bc	13.3
	Leith	1026.8	54	ESE	2	bc	1027.5	0	53	+3	ESE	2	E	bc	-	-	58	49	bc	bc	bc	13.3
	Tynemouth	1027.3	52	NE	3	bc	1026.7	-1	52	+2	NNE	2	-	bc	3	-	55	49	bc	bc	bc	13.3
	Spurn Head	1025.9	52	NE	6	bc	1026.6	0	52	-3	ESE	4	-	c	5	-	57	48	bc	bc	bc	13.2
	Yarmouth	1024.3	54	NE	6	bc	1025.3	0	52	0	NE	4	NE	o	3	-	58	50	bc	bc	bc	4.7
	Clacton-on-Sea	1022.8	55	ESE	5	bc	1024.2	0	53	+1	NE	3	NE	c	2	-	57	51	bc	bc	bc	11.3
	Nottingham	1024.2	57	NE	4	bc	1025.8	0	50	0	ESE	2	E	c	-	-	63	49	bc	bc	bc	10.5
	Bath	1020.9	67	E	3	bc	1024.2	0	52	-1	E	3	SE	b	-	-	69	45	bc	bc	bc	13.1
	St. Farnborough	1021.0	64	ESE	3	bc	1023.7	+1	52	0	ESE	3	-	b	-	-	67	43	bc	bc	bc	13.3
	London (Kew Obsy.)	1021.9	62	ESE	4	bc	1024.9	+2	53	+1	ESE	4	-	c	-	-	66	49	bc	bc	bc	13.2
ICELAND, FAEROE, &c.	Spitsbergen																					
	Isafjord																					
	Reykjavik																					
	Vestmanna																					
	Seydisfjord																					
	Thorshavn																					
NORTHERN EUROPE.	Vardö																					
	Bodö																					
	Christiansund																					
	Skudesnaes																					
	Færder (X'ania Fjord)																					
	The Scaw (Skagen)																					
	Blaavands Huk																					
	Haparanda																					
	Hernösand																					
	Stockholm																					
FRANCE, &c.	Wisby																					
	Karlstad																					
	Petrograd (7 a.m. G.M.T.)																					
	The Helder	1022.1	55	N	4	c	1023.9	0	55	+1	NNE	2	-	c	1	-	57	52				
	Brussels																					
	C. Gris Nez	1020.8	54	NE	6	c	1022.3	0	55	+2	NE	6	-	c	4	-	57	52				
	La Hève	1020.3	55	ESE	4	b	1021.6	0	55	+1	NE	3	-	m	2	-	72	52				
	Ushant	1017.3	57	ESE	5	m	1020.2	0	57	+2	NW	2	-	o	3	-	59	54				
	Brest (St. Mathieu)	1017.1	60	E	2	m	1021.9	+1	58	-3	NW	1	-	o	2	-	75	57				
	Rochefort (Ile d'Aix)	1017.6	64	W	4	o	1020.3	0	63	-3	NW	4	-	o	-	-	72	63				
SOUTHERN EUROPE.	Biarritz	1019.0	64	NW	2	o	1020.3	0	59	-4	ESE	2	-	f	1	-	75	59				
	Paris	1017.5	66	NE	3	b	1020.2	+1	57	-2	NNE	3	-	b	-	-	72	48				
	Belfort	1014.1	69	E	4	m	1018.4	0	57	-4	E	4	-	m	-	-	78	48				
	Lyons	1013.1	74	N	1	o	1017.1	0	63	-1	N	1	-	bc	-	-	83	62				
	Nice	1009.2	70	E	1	o	1008.8	0	71	-1	-	0	-	bc	0	-	81	50				
	Perpignan	1012.0	75	NW	3	c	1016.0	0	72	-1	NW	3	-	b	-	-	86	66				
	Sanguinaire																					
	Corunna (7 a.m.)	1020.0	61	NE	1	r	1021.1	0	57	-6	ESE	3	W	b	1	2	64	52				
	Madrid (8 a.m.)	1015.3	73	W	1	b	1018.0	+1	63	-	-	0	SW	bc	-	-	75	52				
	Lisbon (9 a.m.)	1019.4	70	W	4	bc	1020.2	0	63	+2	SW	1	-	b	2	-	72	59				
AZORES, &c.	Gibraltar	1017.6	69	NW	5	b	1017.6	0	65	0	W	3	-	b	3	-	81	64				
	Rome																					
	Malta (8 a.m.)						1013.9	+2	73	+1	NW	3	-	c	2	-	77	70				
AZORES, &c.	Azores (Horta, 8 a.m.)	1019.1	0	SW	4	o	1019.8	+2	63	-1	WSW	3	-	b	2	4	68	57				
	Madeira (Funchal)	1020.8	70	NE	3	bc	1023.0	+2	64	-2	N	2	-	o	2	-	70	63				

## RAINFALL.

Equivalents of Millimetres in Inches.

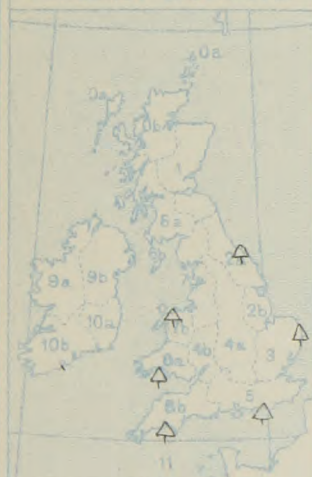
mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
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





**FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.**

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

Signals hoisted yesterday.      Signals hoisted this morning.

South Cone.      South Cone.  
North Cone.      North Cone.

North Cone hoisted at 8.30 a.m.  
in Distrs. 2, 3, 5, 7, 8 & 11.

**Western Channel and Bay 11**

- |    |   |   |
|----|---|---|
| 0  | a | } Calms and light variable breezes; fine generally; moderate temperature.   |
| 1  | b |   |
| 2  | a | } Moderate to light North-Easterly breeze; fair to fine; cool to moderate temperature.                                      |
| 3  | b |   |
| 4  | a | } Same as Nos. 0 and 1.   |
| 5  | b |   |
| 6  | a | } Light to moderate South-Easterly breeze; fair to fine; moderate temperature.  |
| 7  | b |   |
| 8  | a | } Light to moderate Easterly and South-Easterly breezes; generally fair to fine, slight rain locally; moderate temperature. |
| 9  | b |   |
| 10 | a | } Same as Nos. 7 and 8a.  |
| 11 | b |   |
|    |   | Variable breezes; slight sea; fair generally; but some misty showers, moderate temperature.                                 |

**FURTHER OUTLOOK.**

R. G. K. LEMPFFERT, Superintendent, Forecast Division.

W. N. SHAW, Director

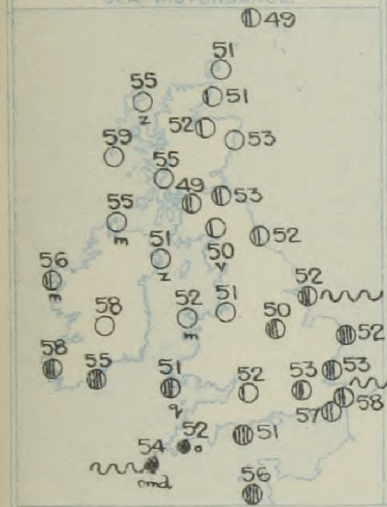


# SYNOPTIC CHART FOR 7 a.m., TUESDAY, 15<sup>TH</sup> JUNE, 1915.

## GENERAL INFERENCE.

No important change is indicated.

### TEMPERATURE, WEATHER AND SEA DISTURBANCE.



### EXPLANATION.

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

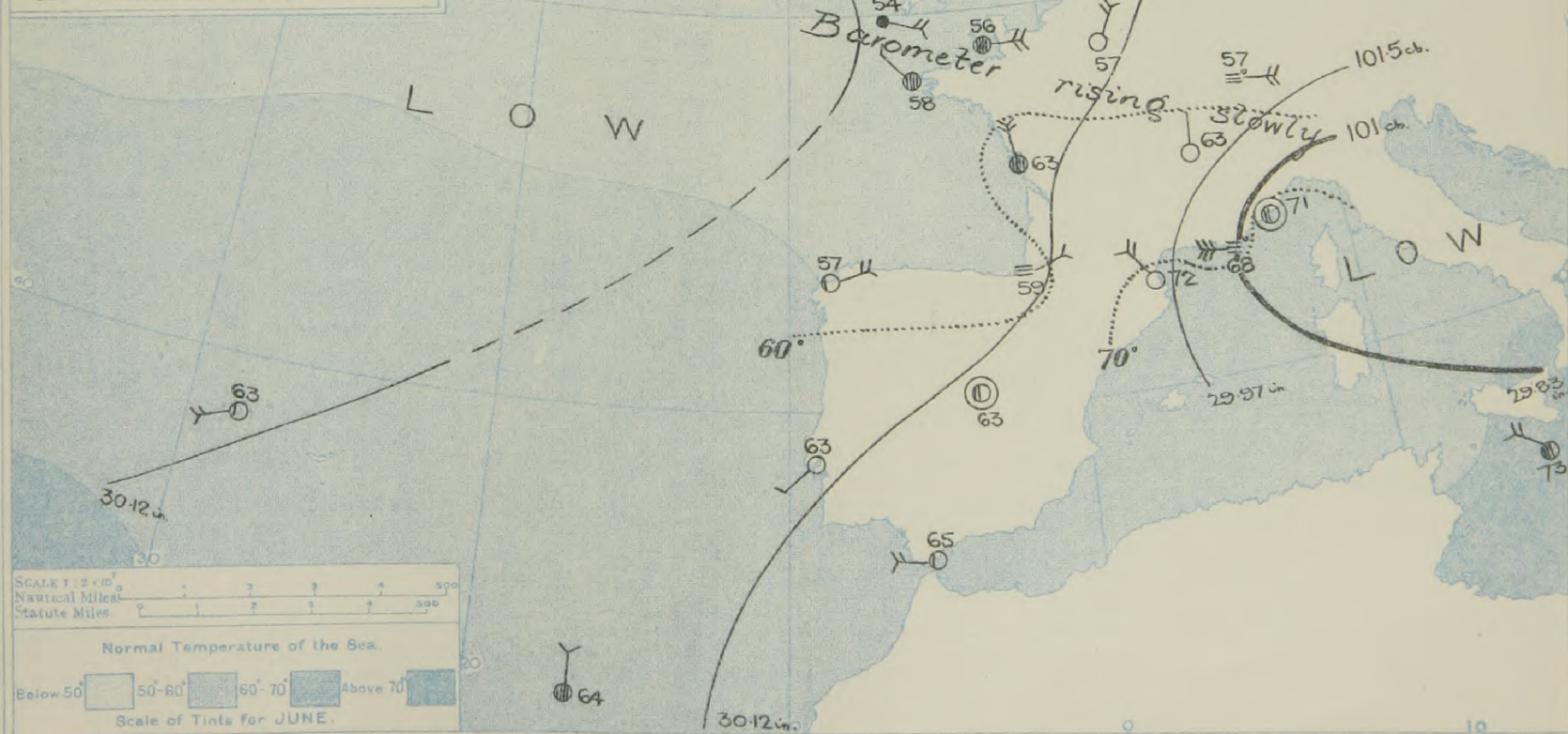
**WIND**—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm

**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





## DAILY WEATHER REPORT.

Tuesday, 15th June, 1915.

REPORTS  FOR  YESTERDAY.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain- fall. Milli- metres.	TEMP.	
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-6.	Max.		Min.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.							
14th June 1915.	Spitzbergen	1015.5	32.	SW	4	0	1017.7	+2	33	-3	SW	4	b	4	39	31			
	Vardo	1005.6	29	NE	2	0	1011.9	+3	43	0	N	5	bc	3	43	34			
	Bodo	1013.7	46	NW	4	0	1023.7	+3	43	-2	N	4	bc	2	43	34			
	Christiansund	1025.5	45	NW	3	0	1028.7	+1	45	+1	N	1	c	4	46	41			
	Skudesmaes	1023.5	45	NNW	7	0	1023.0	0	50	+4	NNW	6	b	2	50	31			
	Faerder	1015.9	59	NNW	4	0	109.5	0	52	-3	N	7	b	3	59	41			
	Skagen	1016.3	59	NNW	3	0	1018.6	+1	54	-3	NNE	6	b	6	63	51			
	Blavands Huk	1019.7	52	N	4	c	1019.5	0	55	+1	NNW	2	b	4	58	48			
	Helsingør	999.1	54	N	6	c	1008.2	+5	45	-9	NNE	6	0	8	Trace	63	41		
	Helsingør	1004.8	54	NW	6	c	1010.3	+1	54	+6	N	8	bc	8	57	48			
	Stockholm	1006.6	48	W	2	0	1008.8	+2	50	-4	N	6	0	8	55	44			
	Wiboy	1008.0	48	NNW	4	0	1009.8	+2	46	-8	N	8	0	8	54	45			
	Karlstad.	1012.8	55	NNW	8	c	1016.9	0	50	-2	NW	8	b	8	59	48			

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.		
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.			
	mm. &	° F.	° F.			Hr.		mm. &	° F.	° F.			Hr.		
Scotland.	{ Oban ... ..	-	66	50	b	b	14.4	England, S.E.	{ Tunbridge Wells ... ..	-	62	49	o.c.b	b	10.4
	{ Banff ... ..	-	52	39	b	b	11.8		{ Margate ... ..	-	55	49	c	c	3.5
	{ Carnoustie ... ..	-	57	38	b	b	11.1		{ Ramsgate ... ..	-	55	50	o	c	4.2
	{ St. Andrews ... ..	-	54	42	*	*	9.1		{ Hastings ... ..	-	61	50	o.b.c.b	b	9.8
Eng. N.E.	{ Harrogate ... ..	-	59	45	c.b.c.b	b.b.c	8.5		{ Bexhill-on-Sea ... ..	-	64	50	c.b	b	11.0
	{ Skegness ... ..	-	56	49	o.c	c.o	3.6		{ Eastbourne ... ..	-	61	51	bc.b	b	12.0
Eng. N.W.	{ Morecambe ... ..	-	66	45	b	b	13.9		{ Seaford ... ..	-	65	49	b	b	13.3
	{ Blackpool ... ..	-	69	44	b	b	14.0		{ Brighton ... ..	-	66	51	b	b	13.4
	{ Southport ... ..	-	69	44	b	b	14.0		{ Worthing ... ..	-	66	51	b	b	11.9
Midlands.	{ Buxton ... ..	-	61	43	bc	b	11.1		{ Littlehampton ... ..	-	71	50	b	b	11.2
	{ Leamington Spa ... ..	-	64	49	c.b.c	bc.b	9.1	{ Bognor ... ..	-	65	50	b	b	12.4	
	{ Malvern ... ..	-	65	48	b	b	10.0	{ Southsea ... ..	-	58	51	b	b	11.6	
	{ Ross-on-Wye ... ..	-	65	50	bc	bc.b	10.3	{ Bournemouth ... ..	-	65	50	b	b	11.0	
Wales.	{ Rhyl ... ..	-	68	48	b	b	13.0	England, S.W.	{ Weymouth ... ..	-	64	52	z.b.c.b	bc	10.0
	{ Colwyn Bay ... ..	-	69	48	b	b	13.5		{ Torquay ... ..	-	59	52	c.b.c	bc.b	10.2
	{ Llandudno ... ..	-	66	49	b	bc	12.8		{ Paignton ... ..	-	59	56	bc	c.b.c	7.1
	{ Aberystwyth ... ..	-	70	53	c.b	c.b.c	13.0		{ Falmouth ... ..	-	62	57	bc	bc	9.0
	{ Tenby ... ..	-	64	54	b	bc	9.8		{ Penzance ... ..	-	62	55	bc	bc	6.3
England, E.	{ Cromer ... ..	-	55	49	o	o	1.2	{ Newquay ... ..	-	62	55	bc	bc	9.5	
	{ Lowestoft ... ..	-	55	50	c	c.o	4.0	{ Ilfracombe ... ..	-	64	54	z.b	bc	9.5	
	{ Felixstowe ... ..	-	56	49	bc	bc	9.8	{ Weston-super-Mare ... ..	-	69	50	b	b	11.0	
	{ Walton-on-Naze ... ..	-	56	50	bc.b	b	9.9								
	{ Southend-on-Sea ... ..	-	61	50	bc.b	b	8.5								

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.										
Greenwich (Royal Obsy.) ...	% 61	% 69	Hr. 11.7	° F. 65	° F. 48	° F. 41	mm. § -	b	b	bc. c
City (Bunhill Row) ...	* *	* *	10.8	* *	* *	* *	* *	* *	* *	* *
Westminster (St. James's Pk.)	62	64	11.1	61	50	46	-	b	b	b. bc
Camden Sq. (Brit. Rainfall)	82	83	11.3	72	49	46	-	c. b	b	*
Hampstead (Reservoir) ...	* *	69	12.2	65	45	32	-	bc	bc	bc
Richmond Park	...	...	...	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
Kew, (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	59	67	11.9	Total. 2299 Joules		Average Rate. 38.6 Milliwatts.		Max. Rate. 78 Milliwatts.		

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL. mm. &	TEMPERATURE.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	Sun- shine for Yester- day. Hr.
		In Screen.	Max.					
		° F.	° F.					
		° F.	° F.					
Dublin to 4 p.m.	-	61	53	51	bc.a.c	c.b	b	
Darwen to 9 p.m.	-	64	44	41	bc	bc	bc	13.0
Manchester "	-	66	48	*	c	c.b.c	bc	14.5
Birmingham "	-	64	47	45	o	c.b	b	10.5
Oxford to 8 p.m.	*							
Teignmouth to 9 "	59	54	54	bc.c	c.b.c	b.b.c		
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	-	68	50	49	c.b.c	bc.b	b	*

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

15th & 16th June, 1915.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.31	11.53	8.15
Greenwich ...	3.44	12.0	8.16
Wick ...	3.7	12.12	9.7
Valencia ...	4.22	12.41	9.0

## NOTES ON YESTERDAY'S WEATHER.

Though over the country generally bright sunshine was abundant, from 13 to more than 15 hours in many places, the air was very cool, temperature remaining below 60° at a number of stations.

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. and at the bookstalls at certain Railway Termini in London.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 167. Wednesday 16<sup>th</sup> June 1915.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. Dry Bulb. °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. °F.	Min. °F.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1027.0	55	-	0	bc	1024.6	-1	54	+5	N	1	-	c	1	-	59	48	bc	bc	bc	Hours.
	Deerness	1027.2	52	ESE	3	bc	1025.0	0	54	+3	SE	1	sw	bc	0	-	56	48	bc	bc	bc	14.2
	Stornoway	1025.7	62	ESE	1	bc	1025.1	0	59	+4	NE	1	-	b	1	-	66	48	bc	bc	bc	15.4
	Castlebay (Barra Isd.)	1025.8	62	WNW	2	b	1024.4	0	59	0	-	0	-	b	1	-	63	54	b	b	b	15.5
	Glasgow	1024.8	64	NE	3	b	1024.6	-1	53	+4	ENE	2	-	b	0	-	69	45	bc	b	b	15.2
	Eskdalemuir	1024.5	62	NE	4	b	1024.8	0	51	+1	ENE	2	-	b	0	-	66	41	br	bo	b	14.4
	Malin Head	1024.0	58	E	4	b	1023.9	0	60	+5	S	1	-	b	1	-	60	52	bc	bc	b	15.3
	Blacksod Point	1023.7	60	WNW	1	bc	1022.3	-1	56	0	ESE	1	-	bc	1	-	69	52	bc	bc	bc	15.3
	Valencia	1021.8	60	NW	1	bc	1021.6	0	57	-1	E	1	-	bc	2	0.1	65	56	c	c	c	2.8
	Roches Point	1024.1	55	ESE	3	fr	1023.2	0	57	+2	SE	2	5	c	2	1	57	53	fd	fd	om c	0
	Birr Castle	1022.5	68	S	1	bc	1023.5	0	55	-3	S	1	-	b	0	-	70	43	bc	bc	bc	14.7
	Donaghadee	1024.0	55	NE	2	bc	1023.9	0	55	+4	NE	2	-	bm	1	-	62	50	bc	bc	bm	0
	Liverpool (Bidston)	1023.0	58	N	1	b	1023.9	0	55	+4	SE	2	-	b	2	-	68	49	b	bm	b	13.0
	Holyhead	1023.5	59	NW	3	bm	1022.9	0	55	+3	-	0	-	bm	0	-	62	50	bm	bm	b	13.7
	Pembroke (St. Ann's)	1023.2	55	NW	2	b	1022.5	-1	54	+3	NNE	1	-	b	1	-	59	49	c	bc	bc	12.2
	Scilly (St. Mary's)	1022.3	54	ESE	3	om	1020.7	-1	58	+4	E	1	E	emp	2	1	58	53	omd	om	emp bc	0.0
	Falmouth	1022.5	54	E	2	o	1021.6	0	58	+6	NNE	1	-	emp	3	1	58	48	omd	o	em	0.0
	Jersey (St. Aubin)	1021.1	65	E	3	b	1020.2	0	56	0	E	3	-	o	2	-	67	53	bc	bc b	b om	8.2
	Portland Bill	1022.7	58	WSW	1	b	1021.7	-1	55	+4	NE	3	-	b	2	-	59	49	b	b	b	0
	Dungeness	1022.5	57	NE	3	b	1021.7	0	56	-1	NNE	3	-	b	3	-	62	56	bc b	b bc b	bw	0
	Dover	1022.5	55	N	4	b	1022.1	0	60	+2	N	4	N	bc	3	-	61	47	bc	c b	b bc	11.0
	Wick	1026.3	52	ESE	2	b	1024.7	-1	53	+2	SSE	2	-	b	2	-	54	47	b	b	bc bm	13.6
	Nairn	1025.4	57	NE	2	bc	1024.7	0	54	+2	-	0	-	b	0	-	59	42	bc	b	bc	15.8
	Aberdeen	1026.7	56	ESE	2	b	1025.2	-1	56	+3	-	0	-	b	1	-	61	44	b	b	b	0
	Leith	1024.8	57	ENE	2	b	1024.7	0	54	+1	ENE	1	NE	b	0	-	61	47	b	b	b	0
	Tynemouth	1025.9	56	NE	2	bc	1025.4	0	56	+4	NE	1	N	bm	3	-	60	47	bc	bc	b	0
	Spurn Head	1026.2	54	E	4	bc	1025.3	-2	55	+3	ENE	3	-	c	4	?	60	49	bc	bc	bc	8.9
Yarmouth	1024.6	54	ENE	3	bc	1023.7	+1	55	+3	NE	2	-	bc	1	-	59	50	o bc	bc	b bc	5.6	
Clacton-on-Sea	1023.7	55	ENE	3	b	1022.9	0	53	0	NNE	3	NE	c	2	-	58	46	c bc b	b	bc c	10.0	
Nottingham	1023.8	62	E	3	b	1024.8	0	49	-1	E	2	E	o	0	-	67	27	c b	b	b	11.0	
Bath	1022.3	68	E	2	b	1023.3	0	55	+3	E	1	-	b	0	-	70	46	b	b	b	14.0	
Sth Farnborough	1021.8	66	E	2	b	1022.9	0	49	-3	ENE	3	-	om	0	-	67	42	bc	bc	b bc o	14.7	
London (Kew Obs.)	1022.3	64	E	3	b	1023.3	0	51	-2	NE	2	NE	om	0	-	68	47	c bc b	bc	b om	14.0	
ICELAND, FAEROE, &c.	Spitsbergen																					
	Isafford...																					
	Reykjavik																					
	Vestmanna																					
	Seydisfjord																					
	Thorshavn																					
NORTHERN EUROPE.	Vardö																					
	Bodö																					
	Christiansund																					
	Skudesnaes																					
	Færder (X'iania Fjord)	1020.2	55	WSW	2	b	1018.0	-2	54	+2	SSW	1	-	f	1	-	59	50				
	The Scaw (Skagen)	1021.5	55	WNW	2	o	1019.5	+1	54	-1	WSW	1	-	m	1	-	61	46				
	Blaavands Huk																					
	Haparanda																					
	Hernösand																					
	Stockholm																					
FRANCE, &c.	Wisby																					
	Karlstad																					
	Petrograd (5 a.m. G.M.T.)																					
	The Helder	1023.7	59	NE	4	b	1023.3	0	59	+4	NE	2	-	b	1	-	63	55				
	Brussels																					
	C. Gris Nez	1021.5	55	NE	6	b	1021.2	0	55	0	NE	5	0	o	3	-	61	54				
	La Hève	1019.0	59	NE	4	b	1019.8	0	57	+2	NE	1	0	m	1	-	66	54				
	Ushant	1022.0	59	NE	2	m	1020.7	0	55	-2	NE	2	0	c	3	-	70	50				
	Brest (St. Mathieu)	1022.0	61	SW	2	b	1020.6	0	59	+1	NE	2	0	c	1	-	66	57				
	Rochefort (Ile d'Aix)	1019.0	64	NW	5	b	1018.6	0	64	+1	NNE	2	0	bc	0	-	70	59				
SOUTHERN EUROPE.	Biarritz	1018.6	66	NNE	2	o	1018.6	0	63	+4	ENE	2	0	c	1	-	68	61				
	Paris	1018.1	72	NE	3	b	1019.4	+1	61	+4	NE	1	-	b	0	-	77	50				
	Belfort	1016.6	68	ENE	3	m	1018.9	0	55	-2	E	4	0	m	0	-	72	48				
	Lyons	1015.0	72	NW	4	bc	1017.2	0	64	+1	-	0	0	b	0	-	77	57				
	Nice																					
	Perpignan	1015.4	73	WNW	4	o	1016.3	+3	72	0	WSW	3	-	b	0	-	84	63				
	Sanguinaire		72	S	4	f			68	-20	ESE	2	0	r	5	0	88	63				
	Corunna (7 a.m.)																					
	Madrid (8 a.m.)	1014.6	75	W	2	b	1018.0	+1	63	0	-	0	-	b	0	-	79	55				
	Lisbon (9 a.m.)																					
AZORES &c.	Gibraltar	1018.6	70	W	5	b	1018.9	0	65	0	W	4	0	b	2	-	80	63				
	Rome																					
	Malta (8 a.m.)						1015.7	+3	72	-1	NW	4	-	bc	3	-	79	68				
AZORES &c.	Azores (Horta, 8 a.m.)	1021.2		SW	4	b																
	Madeira (Funchal)	1023.8	68	N	2	o	1023.9	0	64	0	N	1	-	b	1	-	70	63				

RAINFALL.

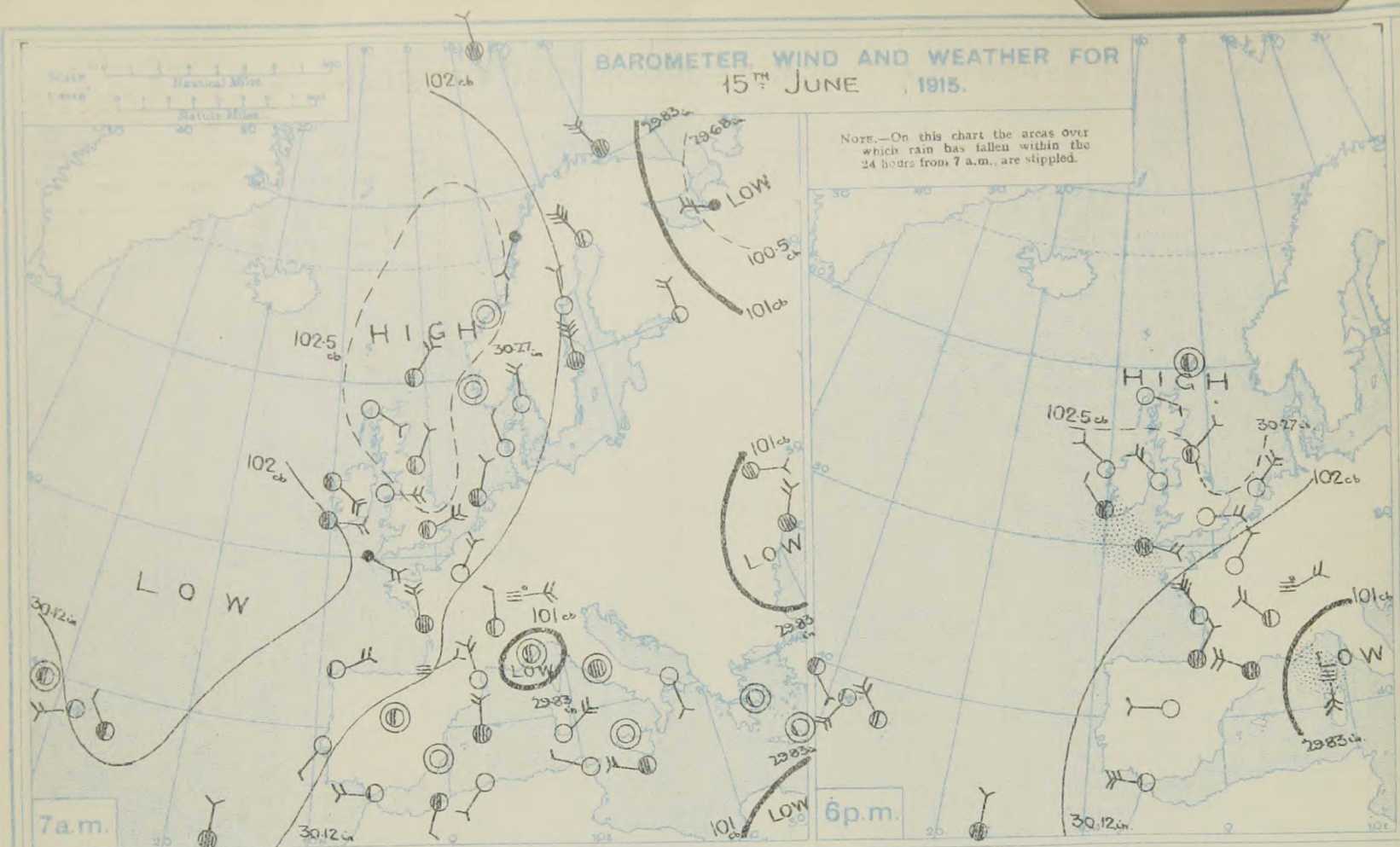
Equivalents of Millimetres.  
in Inches.

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	

## RAINFALL. Equivalents of Millimetres. in inches.

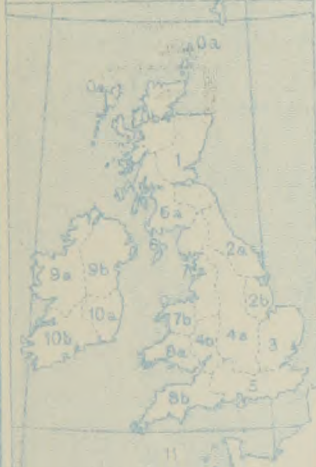
mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
19	0.75	44	1.73</





FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

Signals hoisted yesterday.

South Cone.

North Cone.

Signals hoisted this morning.

South Cone.

North Cone.

No Warnings Issued.

Western Channel and Bay

Calms and light variable breezes, mainly from Easterly directions; cloudy to fine and dry; moderate temperature.

Light North-Easterly breeze; sea slight; cloudy to fine; cool.

**FURTHER OUTLOOK.**

R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director.

Millibars  
1050—

1040

1030

1020

1010

1000

990

980

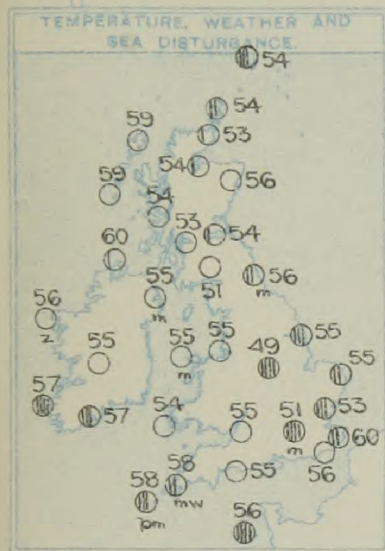
970



# SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 16<sup>TH</sup> JUNE, 1915.

## GENERAL INFERENCE.

Pressure is becoming more uniform, and very quiet conditions are indicated.



## 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:—

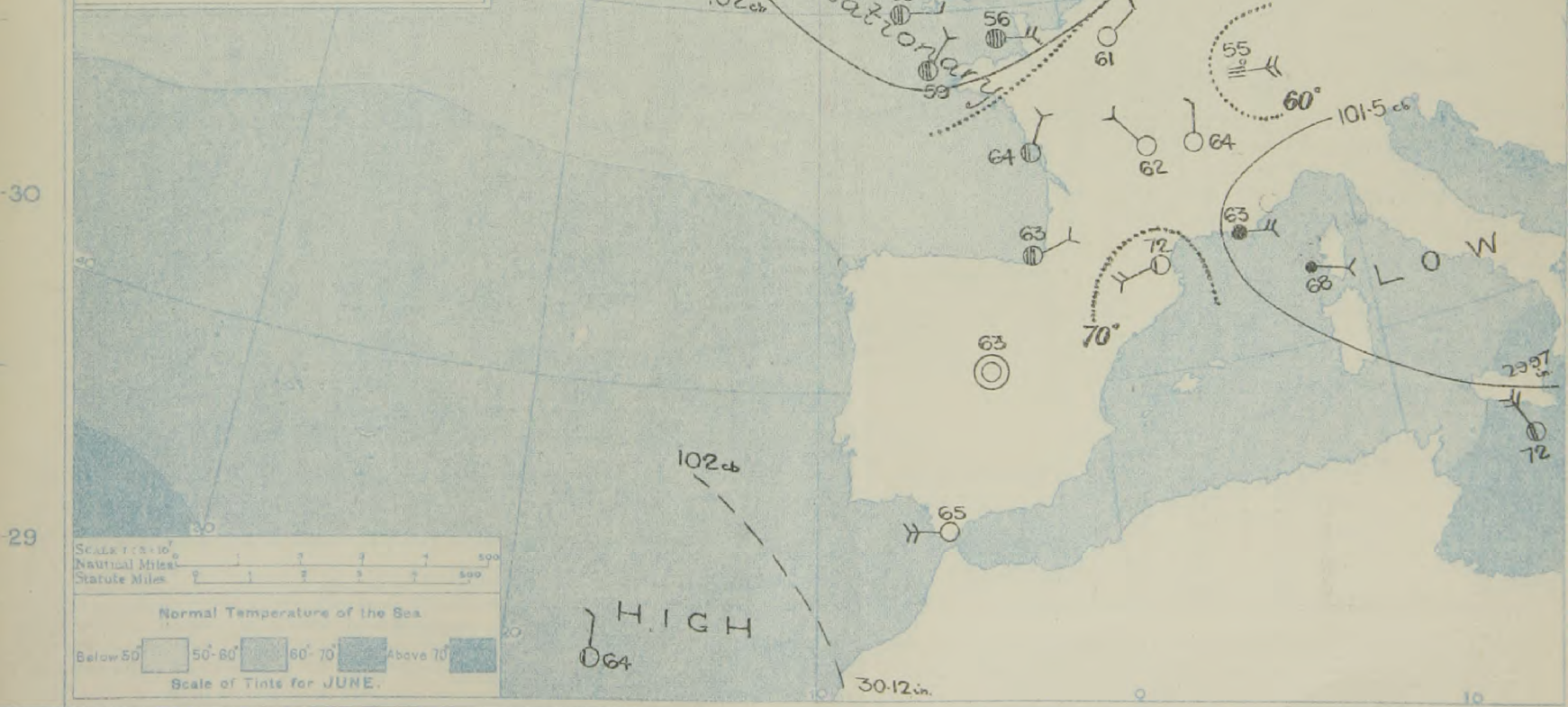
○ clear sky. ○ sky ½ clouded. ○ sky ¾ clouded.

⊖ sky ¾ clouded. ⊖ overcast sky. ⊖ rain falling.

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

⊖, thunderstorm.

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





## DAILY WEATHER REPORT.

Wednesday, 16th June, 1915.

REPORTS FOR YESTERDAY.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain- fall. Milli- metres.		TEMP.	
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.					
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.								
15th June 1915.	Gjitsbergen	1018.7	35	N	2	b	1016.2	-3	52	-1	N	2	*	o	*	37	25			
	Vardø	1014.9	41	NNW	9	o	1015.0	0	41	-2	NNW	5	*	o	4	45	37			
	Bodo	1025.9	43	NW	4	o	1024.6	0	42	0	26W	2	*	o	2	45	39			
	Christiansund	1029.1	46	NNE	1	b	1027.0	-1	46	+1	*	0	*	b	3	48	41			
	Skudesnæs	1020.0	52	NNW	5	b	1022.1	+1	57	+7	*	0	*	b	3	54	45			
	Faerder	1018.7	57	N	4	b	1022.6	0	52	0	N	4	*	b	1	59	50			
	Støgen	1018.9	57	NW	4	b	1023.0	+3	55	+1	N	3	*	b	1	60	50			
	Blaavands Huk	1021.1	59	NNW	3	b	1023.7	+1	55	0	NNW	1	*	b	1	63	43			
	Haparanda	1013.7	52	N	6	c	1017.1	0	48	+3	NNW	6	*	bc	*	55	43			
	Härnösand	1015.3	48	NNW	2	c	1020.0	0	54	0	N	2	NW	b	*	63	48			
	Stockholm	1011.7	46	N	6	o	1016.7	+3	52	-2	N	6	*	b	*	52	45			
	Wibsy	1012.2	48	NNW	8	o	1016.3	+5	50	+4	N	6	*	b	*	52	46			
	Karlstad	1016.6	63	NNW	6	b	1021.3	+3	52	+2	N	4	*	b	*	64	46			
	Sanguineire	*	77	NW	3	bc	*	*	88	+16	SE	3	*	o	4	90	70			

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.†	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm.†	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban ...	69	47	b	b	14.5	Tunbridge Wells ...	-	64	45	bc.o.b	b	12.1
	Banff ...	58	39	b	b	13.8		-	57	51	b	b	11.1
	Carnoustie ...	58	39	b	b	13.9		-	57	49	c.bc	b	11.0
	St. Andrews ...	62	42	*	*	11.7		-	64	45	bc.b	b	11.5
Eng. N.E.	Harrogate ...	66	45	bc.b	b	10.7	Bexhill-on-Sea ...	-	63	47	c	c.bc	9.8
	Skegness ...	57	50	o.bc	b.bc	6.9		-	61	46	b.bc.b	b	12.9
Eng. N.W.	Morecambe ...	69	46	b	b	13.3	Eastbourne ...	-	67	45	b	b	13.5
	Blackpool ...	70	40	b	b	13.9		-	68	47	bc.b	b	13.5
	Southport ...	68	42	b	b	13.7	Brighton ...	-	65	46	bc.b	b	13.7
Midlands.	Buxton ...	65	44	b	b	10.5		-	63	46	b	b	13.6
	Leamington Spa ...	67	45	bc.b	b	10.5		-	64	48	b	b	13.0
	Malvern ...	67	44	b	b	11.0	Bournemouth ...	-	65	43	b	b	12.0
Wales.	Rhyl ...	69	43	b	b	12.7		-	64	47	b.o.b	b	10.4
	Colwyn Bay ...	67	44	b	b	13.5		-	60	52	o.c.bc	b	6.3
	Llandudno ...	65	46	bc	bc	12.1	Weymouth ...	-	55	52	o.c.	o	0.0
England, E.	Aberystwyth ...	64	49	c.b	bc.c	13.5		-	55	53	o	o	0.0
	Tenby ...	67	50	b	b	11.5		-	55	51	o	o	0.0
	Cromer ...	59	49	o.bc	bc	5.6	Ilfracombe ...	-	62	50	b	b	12.7
England, E.	Lowestoft ...	56	51	c.b.bc	bc	7.0		-	68	48	b	b	12.0
	Felixstowe ...	58	50	bc.c	bc	8.0		-	68	48	b	b	12.0
	Walton-on-Naze ...	57	50	c.bc.b	b	9.1	Weston-super-Mare ...	-	68	48	b	b	12.0
England, E.	Southend-on-Sea ...	62	50	c.b	b	8.0		-	68	48	b	b	12.0

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
						24 HOURS ENDED 9 A.M. TO-DAY.				
	%	%	Hr.	° F.	° F.	° F.	mm.‡			
Greenwich (Royal Obs.) ...	54	74	10.7	66	45	34	-	bc	bc b	b.o.m.c
City (Bunhill Row) ...	*	*	11.7	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	55	75	12.2	67	47	44	-	b	b.	bc b
Camden Sq. (Brit. Rainfall)	80	84	10.2	73	45	42	-	bc.b	b	*
Hampstead (Reservoir) ...	*	75	12.4	65	43	29	-	bc	bcf	bc
Richmond Park	*	*	14.1	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	51	72	12.5	Total. 2061 Joules		Average Rate. 34.6 Milliwatts.		Max. Rate. 71 Milliwatts.		

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

16th June 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.31	11.53	8.16
Greenwich ...	3.31	11.54	8.16
Wick ...	3.44	12.0	8.16
Valencia ...	3.7	12.13	9.18

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.

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
		° F.						
Dublin to 4 p.m.	mm.†	° F.	° F.	° F.				Hr.
Darwen to 9 p.m.	-	68	44	41	bc	bc	bc	* 11.5
Manchester "	-	72	48	*	bc.b	by	by bc	13.7
Birmingham "					*			
Oxford to 8 p.m.								
Teignmouth to 9 "	-	60	52	52	c	c	b	* 8.6
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	-	68	50	43	o c	o.c.bc	by.b.	*

## NOTES ON YESTERDAY'S WEATHER.

Slight rain fell in the extreme south-west, otherwise fine weather was general, sunshine exceeding 15 hours in Scotland and Donegal. Temperature, however, was not high, only Bath and Blackpool having a maximum as high as 70°, many places remaining below 60°

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. and at the bookstalls at certain Railway  
Termini in London.



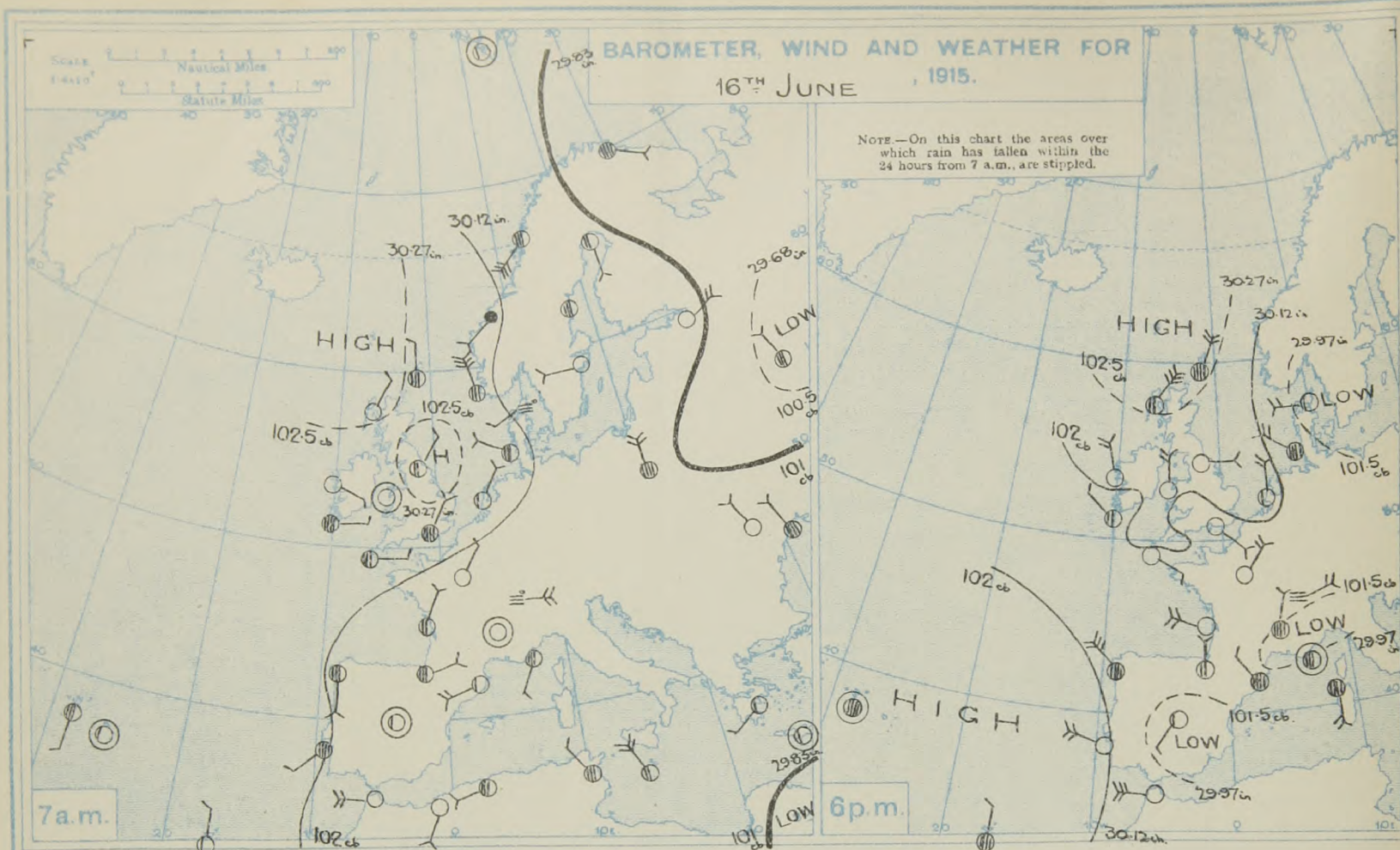
# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 168. *Thursday* 17<sup>th</sup> June 1915.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea U-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Dir.	Force						Dir.	Force					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1026.0	46	NNE	4	0	1026.6	0	47	-7	N	4	N	bc	4	-	58	40	bc	bc	bc	Hour 2
	Deerness	1025.7	50	N	5	om	1028.8	0	50	-4	N	4	-	b	2	-	60	41	bc	bc	bc	11.4
	Stornoway	1025.4	53	NE	6	bc	1028.0	+3	50	-9	ENE	6	-	bc	5	-	65	47	bc	bc	bc	12.5
	Castlebay (Barra Isd.)	1022.3	63	NNW	5	bc	1023.5	+2	56	-3	E	4	-	o	4	-	70	55	bc	bc	bc	14.3
	Glasgow	1021.2	68	NE	3	bc	1026.2	+3	50	-3	ENE	3	-	o	*	Trace	74	49	bc	bc	bc	14.9
	Esksdalemuir	1020.9	67	NE	3	bc	1025.9	+3	49	-2	NE	4	-	o	*	-	71	47	bc	bc	bc	15.4
	Malin Head	1021.4	60	SE	1	bc	1021.8	+1	55	-5	E	4	S	cm	3	-	62	52	bc	bc	bc	14.3
	Blacksod Point	1020.9	61	NNW	3	bc	1019.0	0	59	+3	SE	2	-	bc	1	-	64	54	bc	bc	bc	14.3
	Valencia	1019.5	63	NW	1	bc	1018.4	0	56	-1	-	0	SE	bc	2	-	63	48	bc	bc	bc	3.2
	Roche's Point	1021.4	61	SSE	1	bc	1021.0	0	56	-1	N	1	S	b	1	0.2	62	51	bc	bc	bc	12.8
	Birr Castle	1019.2	72	E	1	c	1021.2	0	59	+4	S	1	-	b	0	-	75	49	bc	bc	bc	12.8
	Donaghadee	1021.0	60	E	2	bc	1022.6	+1	53	-2	E	4	-	cm	3	-	62	52	bc	bc	bc	13.0
	Liverpool (Bidston)	1019.5	63	N	1	b	1022.2	+2	54	-1	E	3	E	c	2	-	70	51	bc	bc	bc	13.0
	Holyhead	1020.5	60	N	3	bc	1020.7	+1	56	+1	E	1	-	bc	0	-	65	52	bc	bc	bc	12.2
	Pembroke (St. Ann's)	1020.0	60	N	2	b	1020.1	+1	55	+1	NE	2	NE	bc	2	-	62	50	bc	bc	bc	13.1
	Scilly (St. Mary's)	1019.8	60	ESE	1	bc	1019.8	+1	52	-6	S	1	-	f	3	-	63	51	bc	bc	bc	11.1
	Falmouth	1020.0	60	ENE	1	bc	1020.2	+2	60	+2	ESE	1	-	bc	2	-	64	50	bc	bc	bc	13.5
	Jersey (St. Aubin)	1018.5	69	NE	3	bc	1019.4	0	61	+5	N	1	-	bc	0	-	73	51	bc	bc	bc	10.8
	Portland Bill	1020.0	62	ESE	1	bc	1020.0	0	63	+8	-	0	-	b	1	-	63	55	bc	bc	bc	11.6
	Dungeness	1019.7	59	NE	3	bc	1020.1	+1	57	+1	NE	3	NE	bc	3	-	64	45	bc	bc	bc	11.6
	Dover	1020.5	57	NNE	4	bc	1021.3	+2	58	-2	NNE	3	NE	bc	3	-	65	49	bc	bc	bc	11.6
	Wick	1025.4	51	NE	3	bc	1029.3	+2	47	-6	ENE	3	-	bc	3	-	51	44	bc	bc	bc	15.0
	Nairn	1023.9	57	NE	4	bc	1028.6	0	49	-5	NE	3	-	bc	2	-	67	47	bc	bc	bc	14.0
	Aberdeen	1024.1	58	ESE	1	bc	1028.1	+2	50	-6	NE	4	NW	bc	2	-	62	47	bc	bc	bc	14.0
	Leith	1021.8	59	NE	2	b	1026.8	+2	51	-3	ENE	4	-	o	*	-	62	50	bc	bc	bc	14.0
Tynemouth	1028.0	56	E	2	bc	1025.0	+2	53	-3	NE	4	NE	c	4	-	59	48	bc	bc	bc	11.0	
Spurn Head	1023.6	56	ENE	3	bc	1023.4	0	56	+1	NNE	5	-	bc	4	-	58	46	bc	bc	bc	11.0	
Yarmouth	1021.7	55	NE	3	bc	1022.0	+2	54	-1	NE	4	-	c	2	-	60	49	bc	bc	bc	11.5	
Clacton-on-Sea	1020.9	57	ENE	3	bc	1020.5	0	53	0	N	2	N	bc	1	-	59	47	bc	bc	bc	11.9	
Nottingham	1020.7	63	E	1	b	1023.0	0	52	+3	NNE	2	NE	o	*	-	71	45	bc	bc	bc	11.2	
Bath	1019.9	70	E	1	bc	1021.3	0	56	+1	E	2	-	m	*	-	72	46	bc	bc	bc	13.2	
Sth Farnborough	1019.1	70	E	1	bc	1021.0	+2	52	+3	NE	2	-	o	*	-	71	48	bc	bc	bc	8.6	
London (Kew Obsy.)	1019.8	68	SE	2	bc	1022.0	+2	50	-1	NE	2	-	om	*	-	72	49	bc	bc	bc	8.9	
ICELAND, FAEROE, &c.	Spitsbergen																					
	Isafjord																					
	Reykjavik																					
	Vestmanna																					
	Seydisfjord																					
NORTHERN EUROPE.	Thorshavn																					
	Vardö																					
	Bodö																					
	Christiansund																					
	Skudesnaes																					
	Færder (X'ania Fjord)																					
	The Scaw (Skagen)	1013.1	63	W	3	b	1010.9	+5	54	0	NNE	4	N	c	4	-	66	46	bc	bc	bc	
	Blaavands Huk	1018.1	64	NW	3	o	1015.0	0	62	-2	NNW	6	-	b	5	-	55	48	bc	bc	bc	
	Haparanda †	1002.6	57	NNW	4	b	1000.7	0	48	-4	N	4	NW	bc	*	-	59	39	bc	bc	bc	
	Hernösand †	1009.9	57	NW	4	c	1006.0	-2	48	-9	NW	6	NW	b	*	Trace	63	43	bc	bc	bc	
Stockholm †	1009.9	63	SW	2	o	1005.3	+2	41	-20	N	6	-	o	*	-	68	?	bc	bc	bc		
Wisby †	1011.5	61	-	0	bc	1002.3	-3	50	-2	NNE	2	-	o	*	Trace	63	48	bc	bc	bc		
Karlskrona †	1009.1	?	WSW	?	?	1010.6	+3	48	-13	N	6	-	b	*	Trace	73	45	bc	bc	bc		
Petrograd																						
FRANCE, &c.	The Helder	1020.8	57	N	3	bc	1020.2	0	57	-2	N	3	N	bc	2	-	63	52	bc	bc	bc	
	Brussels																					
	C. Gris Nez	1019.4	57	NE	4	b	1020.3	+1	55	0	NE	4	*	o	2	-	61	54	bc	bc	bc	
	La Hève	1017.9	66	NE	2	b	1016.7	0	61	+4	ENE	2	*	m	1	-	73	55	bc	bc	bc	
	Ushant	1019.9	55	NE	3	m	1020.2	0	54	-1	NE	2	*	m	3	-	61	48	bc	bc	bc	
	Brest (St. Mathieu)	1020.0	59	NNW	1	b	1021.5	+1	52	-7	N	2	*	m	2	-	75	50	bc	bc	bc	
	Roche fort (Ile d'Aix)	1017.5	65	WNW	4	b	1019.5	+1	63	-1	WNW	4	*	b	*	-	72	61	bc	bc	bc	
	Biarritz	1017.6	69	N	2	bc	1020.9	+1	66	+3	N	2	*	r	1	-	75	64	bc	bc	bc	
	Paris	1016.7	73	NE	3	b	1018.6	+1	63	+2	NNE	1	-	b	*	-	91	52	bc	bc	bc	
	Belfort	1015.4	72	ENE	3	m	1018.1	0	61	+6	-	0	*	m	*	-	75	52	bc	bc	bc	
	Lyons																					
	Nice	1015.9	66	-	0	c	1015.5	0	70	+4	-	0	*	b	1	-	75	57	bc	bc	bc	
	Perpignan	1015.1	75	NW	1	o	1017.5	+2	73	+1	WNW	3	-	c	*	-	84	63	bc	bc	bc	
	Sanguinaire		72	S	3	o			72	+4	E	1	*	bc	3	-	79	64	bc	bc	bc	
	SOUTHERN EUROPE.	Corunna (7 a.m.)	1019.5	64	NW	5	o	1023.1	+2	57	-9	SSE	5	-	o	1	?	70	54	bc	bc	bc
Madrid (8 a.m.)		1014.6	77	SW	1	b	1018.3	+2	68	+5	-	0	W	b	*	-	81	55	bc	bc	bc	
Lisbon (9 a.m.)		1020.7	70	WNW	4	bc	1022.3	+1	63	0	NW											

## RAINFALL. Equivalents of Millimetres. in Inches.

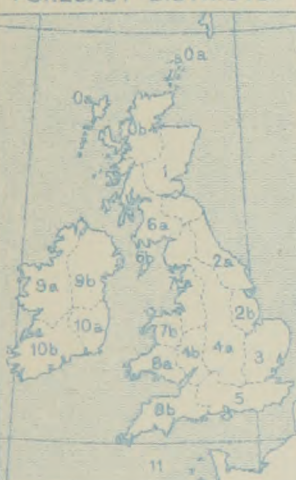
mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
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





FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings

Issued.

Western Channel and Bay 11

FURTHER OUTLOOK.

North-Easterly to Northerly breezes, moderate or fresh at times; cloudy to fine; moderate temperature.

Light North-Easterly to Northerly breezes; cloudy to fine; moderate temperature.

Same as Nos. 0 to 2.

Light variable Easterly breezes; cloudy to fine; moderate temperature.

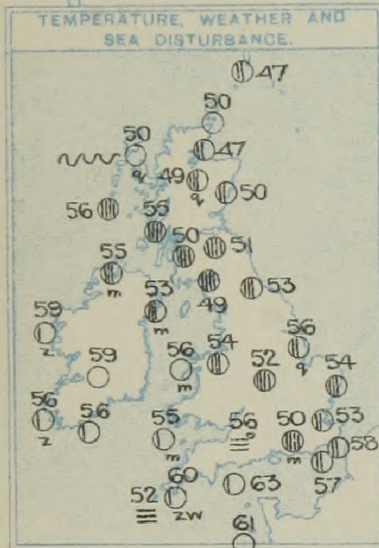
Variable breezes; sea slight to moderate; fine to cloudy, local mist or fog; moderate temperature.



# SYNOPTIC CHART FOR 7 a.m., THURSDAY, 17<sup>th</sup> JUNE, 1915.

## GENERAL INFERENCE

The barometer is rising generally, and no important change in the weather is indicated.



## 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.

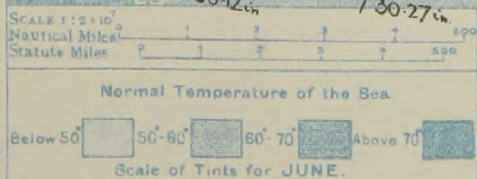
K, thunderstorm.

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

31

30

29



HIGH

HIGH

LOW

rising

generally

60°

70°

LOW

102.5

102.5

10



## DAILY WEATHER REPORT.

Thursday, 17th June, 1915.

REPORTS  
FOR  
YESTERDAY.

16th June 1915.

STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain-fall. Milli- metres.		TEMP.	
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.					
			Dir. or Force 0-12.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir. or Force 0-12.	Force 0-12.								
		° F.								° F.									
Spiritsbergen	1013.0	34	—	0	0	1012.7	-2	36	+4	—	0	—	b	—	—	—	57	30	
Vardø	1014.1	34	—	0	0	1007.8	-5	45	+4	SE	2	—	—	—	—	—	43	39	
Bodo	1019.7	43	E	4	0	1011.4	-2	43	0	SW	6	—	c	—	—	—	43	41	
Christiansund	1023.8	48	—	0	0	1020.6	-2	48	+2	SW	2	—	c	—	—	—	52	46	
Skudesnes	1021.9	52	—	0	0	1020.4	0	52	-5	—	6	—	c	—	—	—	59	52	
Blavands Huk	1024.0	57	—	0	0	1023.9	0	54	-1	—	2	—	c	—	—	—	57	50	
Haparanda	1015.7	35	—	0	0	1010.1	-3	52	+4	S	2	—	c	—	—	—	61	45	
Hernösand	1017.7	35	—	0	0	1014.6	-4	57	+3	?	2	—	c	—	—	—	61	45	
Stockholm	1017.3	57	—	0	0	1016.0	-2	61	+9	W	2	—	c	—	—	—	61	46	
Wibsy	1019.1	48	—	0	0	1017.0	-3	52	+2	WSW	2	—	b	—	—	—	57	45	
Karlskrona	1018.9	64	—	0	0	1017.1	-3	61	+9	—	0	—	—	—	—	—	70	48	
Nice	1013.2	63	E	5	7	1014.9	+2	66	-5	SW	1	—	c	—	—	5	81	61	
Corunna	1020.4	64	—	0	0	1019.1	0	66	+9	S	2	—	c	—	—	—	66	57	
Lisbon	1020.3	70	WSW	3	0	1020.0	0	63	0	SW	1	—	c	—	—	—	72	61	

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.†	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall. mm.†	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.		°F.	°F.			Hr.	Tunbridge Wells ...		°F.	°F.			Hr.
Oban ...	—	67	45	b	b	14.6	Margate ...	—	69	44	b	b	8.6
Banff ...	—	61	44	b	b, bc	12.9	Ramsgate ...	—	58	52	b, bc	b, bc	5.0
Carnoustie ...	—	61	44	b	b	13.8	Hastings ...	—	68	50	b	b, bc	9.3
St. Andrews ...	—	62	41	b	b	12.1	Bexhill-on-Sea ...	—	70	48	b	b	13.0
England, N.E.							Eastbourne ...	—	67	50	b	b	12.6
Harrogate ...	—	70	41	b, bc	b	10.6	Seaford ...	—	67	49	b	b	12.9
Skegness ...	—	56	50	bc	bc, b	12.4	Brighton ...	—	72	49	b	b	13.0
England, N.W.							Worthing ...	—	72	49	b	b, bc	12.6
Morecambe ...	—	72	47	b	b	13.3	Littlehampton ...	—	72	49	b	b	13.2
Blackpool ...	—	66	46	b	b, bz	12.9	Bognor ...	—	69	46	b	b	12.3
Southport ...	—	66	44	b	b, bz	12.5	Southsea ...	—	70	44	b	b	13.5
Midlands.							Bournemouth ...	—	72	48	b	b	12.5
Buxton ...	—	69	40	b	b	11.2	Weymouth ...	—	71	47	b	b	12.7
Leamington Spa ...	—	70	43	b, bc	b	9.5	Torquay ...	—	66	47	b	b	12.8
Malvern ...	—	69	44	b	b	10.0	Paignton ...	—	64	49	b	b	13.2
Ross-on-Wye ...	—	69	41	b, bc	b	12.6	Falmouth ...	—	65	52	b, bc	b	11.0
Wales.							Penzance ...	—	63	45	b	b	12.8
Rhyl ...	—	73	46	b	b	13.5	Newquay ...	—	63	44	b	b	13.0
Colwyn Bay ...	—	65	49	b	b	13.5	Ilfracombe ...	—	63	44	b	b	13.0
Llandudno ...	—	67	52	b	b	11.5	Weston-super-Mare ...	—	70	47	b	b	12.5
Aberystwyth ...	—	68	48	b, bc	b, bc	13.0							
Tenby ...	—	69	48	b	b	13.0							
England, E.													
Cromer ...	—	59	47	b, bc	b, bc	11.7							
Lowestoft ...	—	57	50	c	c, bc	5.6							
Felixstowe ...	—	57	44	b, bc	b, bc	11.8							
Walton-on-Naze ...	—	57	46	b	b	10.5							
Southend-on-Sea ...	—	66	44	b, bc	b	7.0							

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.										
Greenwich (Royal Obsy.) ...	% 33	% 73	Hr. 11.2	* F. 71	* F. 48	* F. 35	mm.‡ -	bz	bz	bcm.0
City (Bunhill Row) ...	% *	% *	8.3	% *	% *	% *	% -	% *	% *	% *
Westminster (St. James's Pk.)	53	77	8.6	71	50	47	-	b	b	b
Camden Sq. (Brit. Rainfall)	50	71	10.6	74	49	46	-	b, bc	c, bc	*
Hampstead (Reservoir) ...	% *	77	11.6	69	45	31	-	bc	bcm	bc
Richmond Park	...	% *	% *	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	52	75	8.8	Total. 19.21 Joules		Average Rate. 32.3 Milliwatts.		Max. Rate. 69 Milliwatts.		

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

STATIONS.	17th June, 1915.		
	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.31	G.M.T. 11.34	G.M.T. 8.46
Greenwich ...	3.44	12.1	8.7
Wick ...	3.7	12.13	8.8
Valencia ...	4.23	12.42	9.1

## NOTES ON YESTERDAY'S WEATHER.

Sunshine was again abundant, ranging up to 15½ hours at Eskdalemuir, but few afternoon temperatures exceeded 70°, some were below 60°.

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 4/1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Terminals in London.



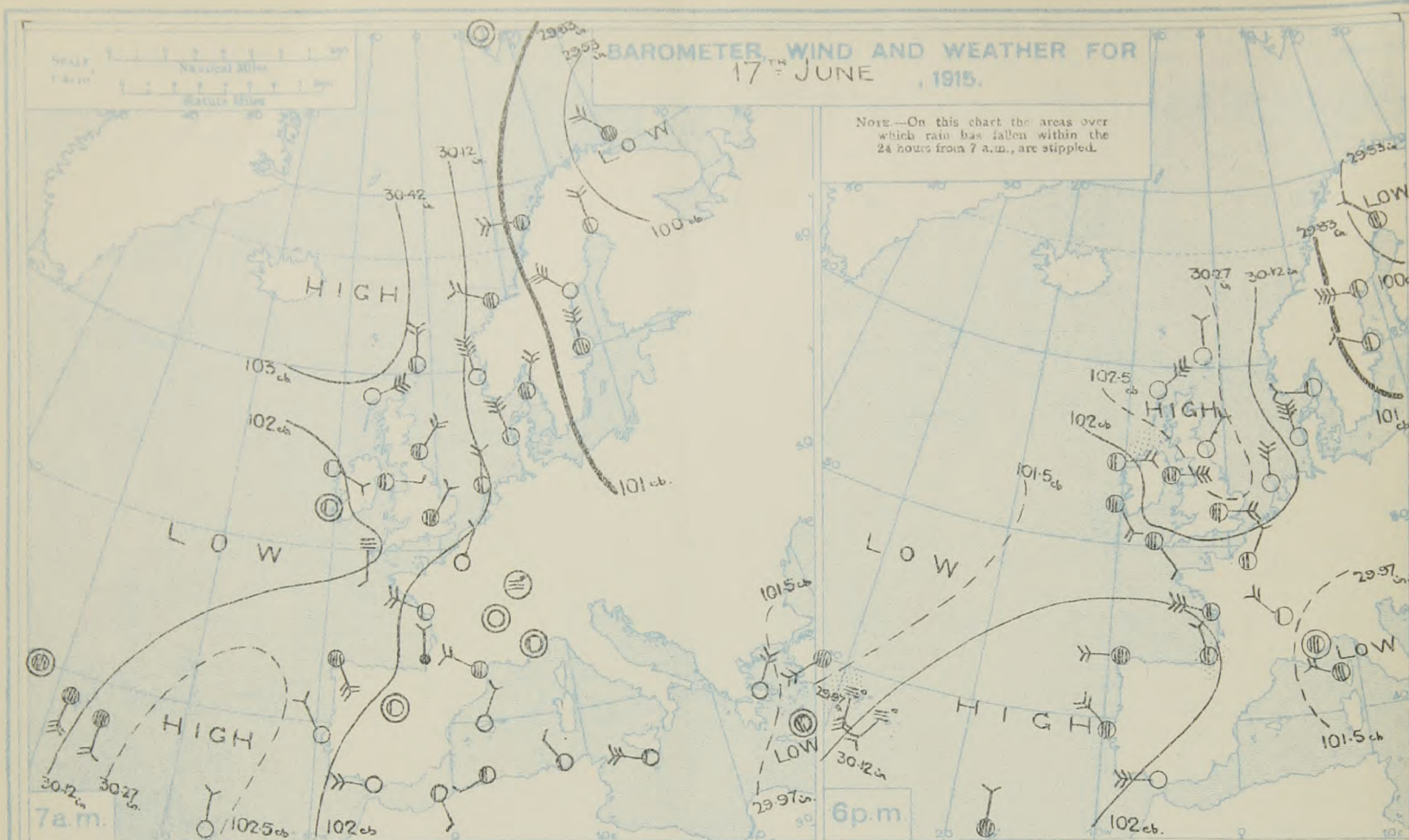
# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 169. Friday 18<sup>th</sup> June 1915.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M. G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	Temp.	Wind. Dir.	Force (1-12)	Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Wind. Dir.	Force (1-12)	Dir. of Upper Cloud.	Weather.	Sea Swell.	Rain- fall. Milli- metres.	Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1027.4	50	N	2	bc	1025.4	+1	51	+1	NNW	3	-	bc	2	-	50	42	bc	bc	bc	Hours.
	Deerness	1028.4	50	N	5	bc	1027.1	-	51	+1	NNW	3	SE	bc	2	-	55	43	bc	bc	bc	16.5
	Stornoway	1028.3	52	NE	6	bc	1028.4	-1	52	+2	ENE	2	-	bc	2	-	57	41	bc	bc	bc	15.7
	Castletown (Barra Isd.)	1028.8	56	S	3	bc	1027.4	0	54	-2	SE	3	-	bc	3	-	62	50	bc	bc	bc	8.4
	Glasgow	1026.7	56	E	3	bc	1027.9	0	46	-4	ENE	1	N	bc	-	-	58	37	bc	bc	bc	7.7
	Eskdalemuir	1026.6	52	NE	4	bc	1027.6	0	47	-2	ENE	3	-	bc	-	-	57	32	bc	bc	bc	8.8
	Malin Head	1023.6	52	E	4	bc	1025.0	0	50	-5	SE	4	E	bc	4	2	57	48	bc	bc	bc	1.5
	Blacksod Point	1019.1	65	E	3	bc	1021.7	+1	56	-3	SE	4	SE	bc	3	-	72	54	bc	bc	bc	-
	Valencia	1017.8	63	SSW	3	bc	1018.9	0	59	+3	E	3	E	bc	2	-	71	56	bc	bc	bc	7.1
	Roche's Point	1021.1	58	SE	2	bc	1021.1	-	59	+3	ESE	2	-	bc	2	-	62	54	bc	bc	bc	-
	Birr Castle	1019.5	70	E	1	bc	1022.2	-	56	-3	SSE	2	-	bc	-	-	75	54	bc	bc	bc	12.2
	Donaghadee	1023.8	54	ESE	4	bc	1025.6	0	50	-3	E	4	E	bc	3	-	58	47	bc	bc	bc	3.8
	Liverpool (Bidston)	1022.9	59	ENE	5	bc	1025.5	0	50	-4	E	3	-	bc	3	-	68	48	bc	bc	bc	5.4
	Holyhead	1021.5	60	E	6	bc	1023.2	+1	53	-3	E	5	-	bc	4	-	65	50	bc	bc	bc	5.4
	Pembroke (St. Ann's)	1021.1	61	SE	1	bc	1022.8	+1	52	-3	SE	4	SE	bc	4	-	63	52	bc	bc	bc	13.1
	Scilly (St. Mary's)	1019.7	59	SE	1	bc	1019.3	0	55	+3	ESE	4	E	bc	4	-	62	51	bc	bc	bc	3.4
	Falmouth	1019.7	62	S	1	bc	1021.8	+1	53	-7	E	4	-	bc	3	-	64	53	bc	bc	bc	12.0
	Jersey (St. Aubin)	1019.1	67	E	2	bc	1020.3	-	55	-6	ENE	4	-	bc	3	-	71	53	bc	bc	bc	12.8
	Portland Bill	1020.3	57	NE	2	bc	1022.4	0	52	-11	ENE	5	NE	bc	4	-	64	52	bc	bc	bc	-
	Dungeness	1021.1	57	NE	4	bc	1022.2	0	54	-3	NE	5	NE	bc	5	-	62	52	bc	bc	bc	-
	Dover	1021.0	53	NNE	5	bc	1022.9	+1	55	-3	NE	5	NE	bc	4	-	61	48	bc	bc	bc	9.2
	Wick	1028.5	50	NE	3	bc	1027.7	-1	48	+1	WNW	2	-	bc	2	-	54	36	bc	bc	bc	-
	Nairn	1028.0	57	ENE	2	bc	1028.1	-	52	+3	-	0	-	bc	0	-	59	36	bc	bc	bc	13.2
	Aberdeen	1027.8	56	NNE	3	bc	1028.0	0	50	0	NW	2	-	bc	2	-	59	39	bc	bc	bc	14.1
	Leith	1026.2	55	E	3	bc	1027.8	0	50	-1	ENE	3	NE	bc	-	-	57	41	bc	bc	bc	-
	Tynemouth	1027.3	53	NE	2	bc	1027.3	0	51	-2	NE	2	NE	bc	4	-	56	48	bc	bc	bc	-
	Spurn Head	1026.0	56	ENE	5	bc	1026.0	0	52	-4	ENE	6	-	bc	5	-	59	46	bc	bc	bc	5.4
	Yarmouth	1023.9	53	NE	5	bc	1025.2	+1	51	-3	NE	4	-	bc	2	-	60	50	bc	bc	bc	4.5
	Clacton-on-Sea	1022.7	55	ENE	3	bc	1024.1	0	52	-1	NE	3	N	bc	2	-	59	47	bc	bc	bc	6.8
	Nottingham	1024.3	56	NE	4	bc	1025.8	-	49	-3	E	2	E	bc	-	-	63	42	bc	bc	bc	2.1
	Bath	1021.0	67	E	2	bc	1023.9	-	52	-4	E	3	E	bc	-	-	69	49	bc	bc	bc	12.2
	St. Farnborough	1020.5	64	ENE	3	bc	1023.4	0	51	-1	NE	2	NE	bc	-	-	69	44	bc	bc	bc	5.1
	London (Kew Obsy.)	1021.4	63	E	4	bc	1024.4	0	52	+2	NE	4	E	bc	-	-	67	47	bc	bc	bc	7.8
ICELAND, FAEROE, &c.	Spitsbergen																					
	Isafjord																					
	Reykjavik																					
	Vestmanna																					
	Seydisfjord																					
NORTHERN EUROPE.	Thorshavn																					
	Vardö																					
	Bodö																					
	Christiansund																					
	Skudesnaes																					
	Færder (X'ianla Fjord)																					
	The Scaw (Skagen)	1014.0	55	W	2	bc	1017.3	+3	52	-2	NNE	3	N	bc	3	-	59	45	bc	bc	bc	
	Blaavands Huk	1017.7	52	NNW	7	bc	1019.0	+2	50	-2	N	4	N	bc	5	-	54	45	bc	bc	bc	
	Haparanda	998.4	48	NW	2	bc	998.0	0	43	-5	NNW	6	N	bc	-	-	57	39	bc	bc	bc	
	Hernösand	1003.9	46	W	8	bc	1005.9	0	45	-3	NW	6	-	bc	-	-	55	41	bc	bc	bc	
FRANCE, &c.	Stockholm	1006.1	48	WNW	2	bc	1008.6	+1	45	+4	NNW	4	-	bc	-	-	54	39	bc	bc	bc	
	Wisby	1008.0	48	WSW	2	bc	1011.9	+4	46	-4	NW	6	N	bc	-	-	50	45	bc	bc	bc	
	Karlstad	1011.0	52	N	6	bc	1014.7	+1	46	-2	NW	6	-	bc	-	-	57	39	bc	bc	bc	
	Petrograd																					
	The Helder	1022.3	55	N	5	bc	1023.7	+1	52	-5	N	3	-	bc	2	-	57	50	bc	bc	bc	
	Brussels																					
	C. Gris Nez																					
	La Hève	1017.0	68	NE	2	bc	1020.0	-	53	-8	NE	3	-	bc	2	-	73	50	bc	bc	bc	
	Ushant																					
	Brest (St. Mathieu)																					
SOUTHERN EUROPE.	Rochefort (Ile d'Aix)																					
	Biarritz	1020.3	69	NNW	2	bc	1020.3	0	62	-4	WSW	2	-	bc	2	-	72	61	bc	bc	bc	
	Paris																					
	Belfort	1014.9	75	ENE	4	bc	1017.9	-	59	-2	-	0	-	bc	-	-	81	52	bc	bc	bc	
	Lyons	1018.1	73	NW	3	bc	1017.2	-	67	+3	N	1	-	bc	-	-	81	60	bc	bc	bc	
	Nice	1014.0	66	-	0	bc	1014.6	+2	69	-1	-	0	-	bc	-	-	75	59	bc	bc	bc	
	Perpignan																					
	Sanguinaire																					
	Corunna (7 a.m.)	1022.4	63	W	4	bc	1022.4	+1	63	+6	S	2	NE	bc	1	-	68	55	bc	bc	bc	
	Madrid (8 a.m.)																					
AZORES, &c.	Lisbon (9 a.m.)	1021.7	68	NW	4	bc	1022.4	0	63	0	N	2	-	bc	5	-	72	61	bc	bc	bc	
	Gibraltar	1019.3	67	W	5	bc	1020.0	-	65	0	WNW	3	-	bc	3	-	79	64	bc	bc	bc	
	Rome																					
	Malta (8 a.m.)																					
	Azores (Horta, 8 a.m.)	1018.1	-	S	5	bc	1013.1	+2	66	0	SSW	5	-	bc	5	-	70	64	bc	bc	bc	
MADEIRA, &c.	Madeira (Funchal)	1024.3	70	N	2	bc	1024.2	0	64	0	NE	2	-	bc	2	-	72	63	bc	bc	bc	

## 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





**FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.**

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

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

No Warnings  
Issued.

Western Channel and Bay 11

Light variable breezes; fair to fine; moderate temperature.

Moderate to fresh and gusty Easterly to North-Easterly breeze; cloudy to fine; moderate temperature.

Same as Nos. 0 and 1.

Moderate Easterly to South-Easterly breeze; cloudy to overcast; moderate temperature.

**FURTHER OUTLOOK.**

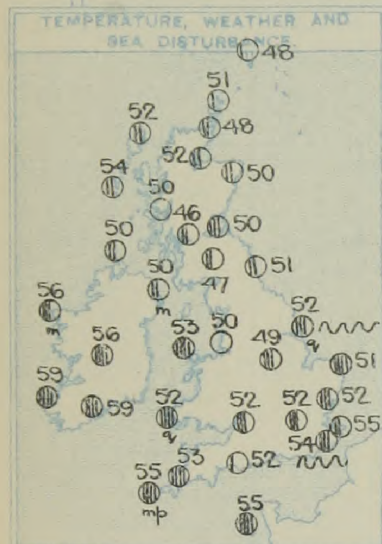
R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director

Millibars  
1050  
1040  
1030  
1020  
1010  
1000  
990  
980  
970




There are no indications of any important modification in the general situation.



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

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

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

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

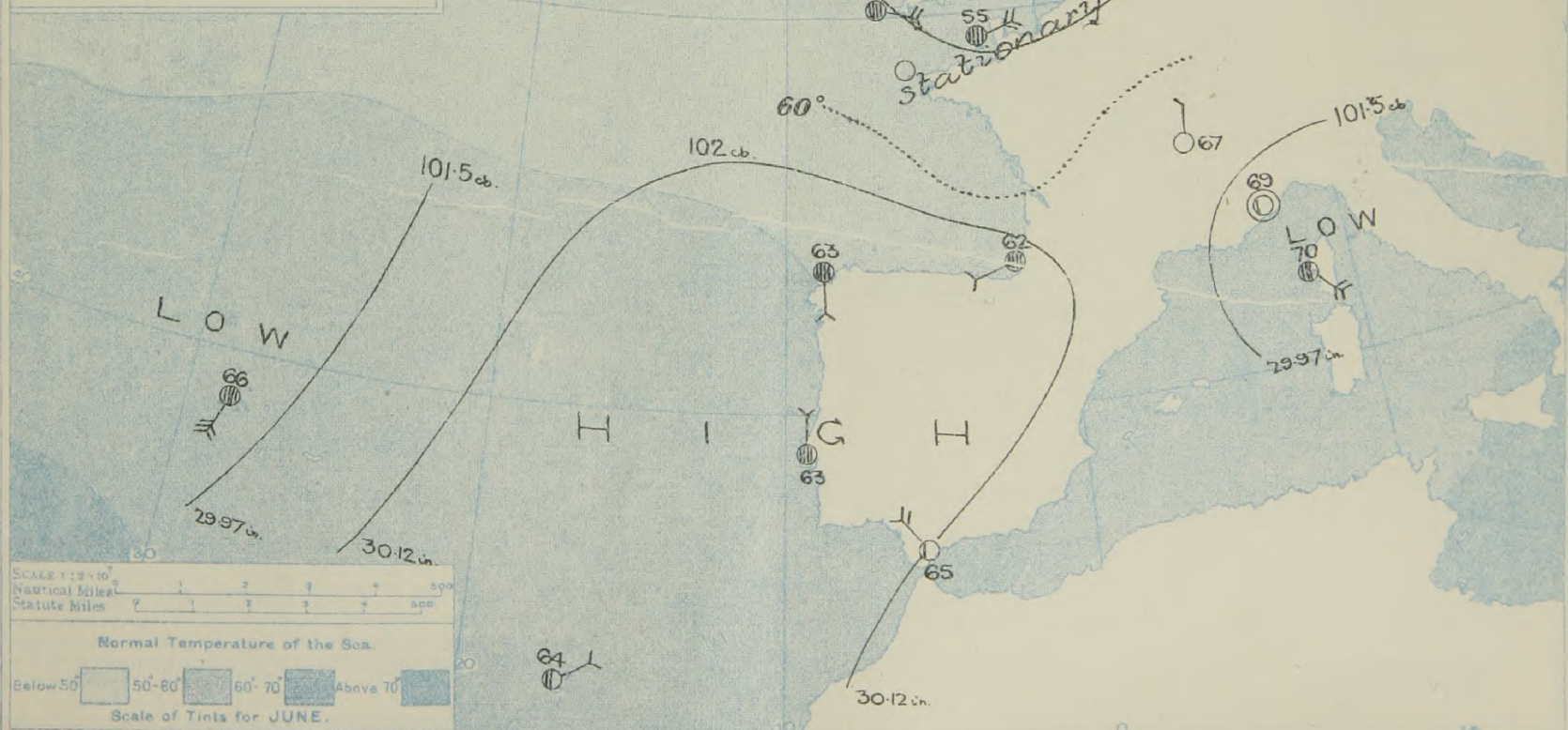
TEMPERATURE.—Given in degrees Fahrenheit.  
Isotherms shown by dotted lines.

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

○ clear sky.    ◐ sky  $\frac{1}{2}$  clouded.    ◑ sky  $\frac{3}{4}$  clouded.  
 ◒ sky  $\frac{3}{4}$  clouded.    ◓ overcast sky.    ● rain falling.

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

SEA DISTURBANCE — Rough High

SEA DISTURBANCE.—Rough . High .



# DAILY WEATHER REPORT.

Friday, 18th June, 1915.

REPORTS  FOR YESTERDAY.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain- fall. Milli- metres.	TEMP.								
		Barom. Milli- bars at M.S.L.	TEMP.  °F.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-8.	Max.		Min.								
				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.														
	Spitzbergen	1016.3	36	NE	2	b	1015.0	-6	36	0	-	0	-	b	4	-	36	28								
	Vardø	999.9	41	SE	4	b	996.0		43	-2	NW	4	-	b	3	-	45	27								
	Bodø	1009.7	41	W	4	b	1007.5	0	41	-2	W	4	W	c	2	-	43	27								
	Christiansund	1020.2	41	NNW	2	b	1018.9	0	39	-9	NNW	3	-	c	3	-	46	27								
	Brudestrand	1017.7	48	NW	6	b	1019.1	+2	44	-6	NNW	8	-	b	3	-	54	43								
	Færder	1008.7	57	S	2	b	1012.8	+3	50	-4	NNE	6	W	bc	2	-	59	45								
	Lyons	1015.8	72	N	1	b	1017.3	-	64	0	SSE	1	-	b	2	-	77	55								
17th June																										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		°F.	°F.						°F.	°F.			
Scotland.	Oban ...	57	53	b, bc	b	6.5	Tunbridge Wells ...	-	64	43	b, bc	bc, c	8.2
	Banff ...	53	47	b	b	12.0	Margate ...	-	58	52	bc	bc, c	6.2
	Carnoustie ...	56	47	*	*	10.1	Ramsgate ...	-	58	48	b	bc, c	10.6
	St. Andrews ...	56	49	*	*	9.0	Hastings ...	-	64	50	b	b, bc	11.1
Eng. N.E.	Harrogate ...	59	45	bc, c, o	c, bc, b	3.8	Bexhill-on-Sea ...	-	69	50	bc	c	12.5
	Skegness ...	59	50	c, o	c, c	5.0	Eastbourne ...	-	64	50	b	b, c	12.0
	Morecambe ...	68	53	b	b, bc	8.0	Seaford ...	-	69	48	b	b, c	11.7
	Blackpool ...	66	50	c	bc, c	8.8	Brighton ...	-	67	50	b	bc	8.8
Eng. N.W.	Southport ...	67	43	bc, c, o, c	bc, b, bc	7.3	Worthing ...	-	67	51	b	b	11.0
	Buxton ...	61	44	bc	bc	1.9	Littlehampton ...	-	70	49	b	b	12.0
	Leamington Spa ...	66	45	c	bc, c	5.4	Bognor ...	-	67	51	b	b	12.9
	Malvern ...	65	47	bc	bc	4.0	Southsea ...	-	69	52	b	b	10.5
Midlands.	Ross-on-Wye ...	66	40	bc, w	bc, ov	9.7	Bournemouth ...	-	71	46	b	b	12.0
	Rhyl ...	69	46	bc	bc	2.7	Weymouth ...	-	69	51	b	b	13.0
	Colwyn Bay ...	68	48	bc	bc, o	5.0	Torquay ...	-	69	51	b	b	13.0
	Llandudno ...	67	51	bc, c	c	4.7	Paignton ...	-	64	51	b	b, bc	12.3
Wales.	Aberystwyth ...	70	50	c, b	c, o	10.5	Falmouth ...	-	62	52	bc	bc	9.5
	Tenby ...	66	45	b	bc	12.4	Penzance ...	-	68	47	b	b	13.0
	Cromer ...	60	48	c, c	c, c, o	1.2	Newquay ...	-	64	52	b	b, bc, c	11.0
	Lowestoft ...	58	47	c, o, c	c, o, c	4.3	Ilfracombe ...	-	70	47	b	b	12.1
England, S.W.	Felixstowe ...	58	46	c	c	4.5	Weston-super-Mare ...	-	70	47	b	b	12.1
	Walton-on-Naze ...	57	49	c, bc	bc, c, c	5.3							
	Southend-on-Sea ...	63	47	b, bc	bc, c, o	6.7							

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To-day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
				Max.	Min.								Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.																			
	%	%	Hr.	° F.	° F.	° F.	mm. §					mm. §	° P.	° F.	° F.				Hr.
Greenwich (Royal Obs.) ...	52	62	8.7	64	46	39	-	bc	bc c	o		-	64	49	46	bm	bm	bc	*
City (Bunhill Row) ...	*	*	7.3	*	*	*	*	*	*	*		-	66	52	*	o	o c	c bc c o	4.5
Westminster (St. James's Pk.)	63	67		69	50	45	-	bc	bc o	o		-	64	46	40	*	o	o	0.0
Camden Sq. (Brit. Rainfall)	46	58	8.8	74	47	44	-	b bc	bc c o	*		*							*
Hampstead (Reservoir) ...	*	64	8.2	66	43	30	-	bc o	c	c									*
Richmond Park	*	*		VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.															
Kew. (See front page.)				Total.		Average Rate.		Max. Rate.											
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				1863 Joules		31.3 Milliwatts.		71 Milliwatts.											
S. Kensington (Roof of M.O.)	52	62	7.9																

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

18th June, 1915.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.31	11.54	8.16
Greenwich ...	3.44	12.1	8.18
Wick ...	3.7	12.13	8.19
Valencia ...	4.22	12.42	9.2

## NOTES ON YESTERDAY'S WEATHER.

The duration of bright sunshine was much more variable, ranging from 1½ hour at Malin Head to 16½ hrs. at Deerness. Few of the afternoon temperatures were as high as 70°, many were below 60°, Lerwick only 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.

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. and at the bookstalls at certain Railway Termini in London.



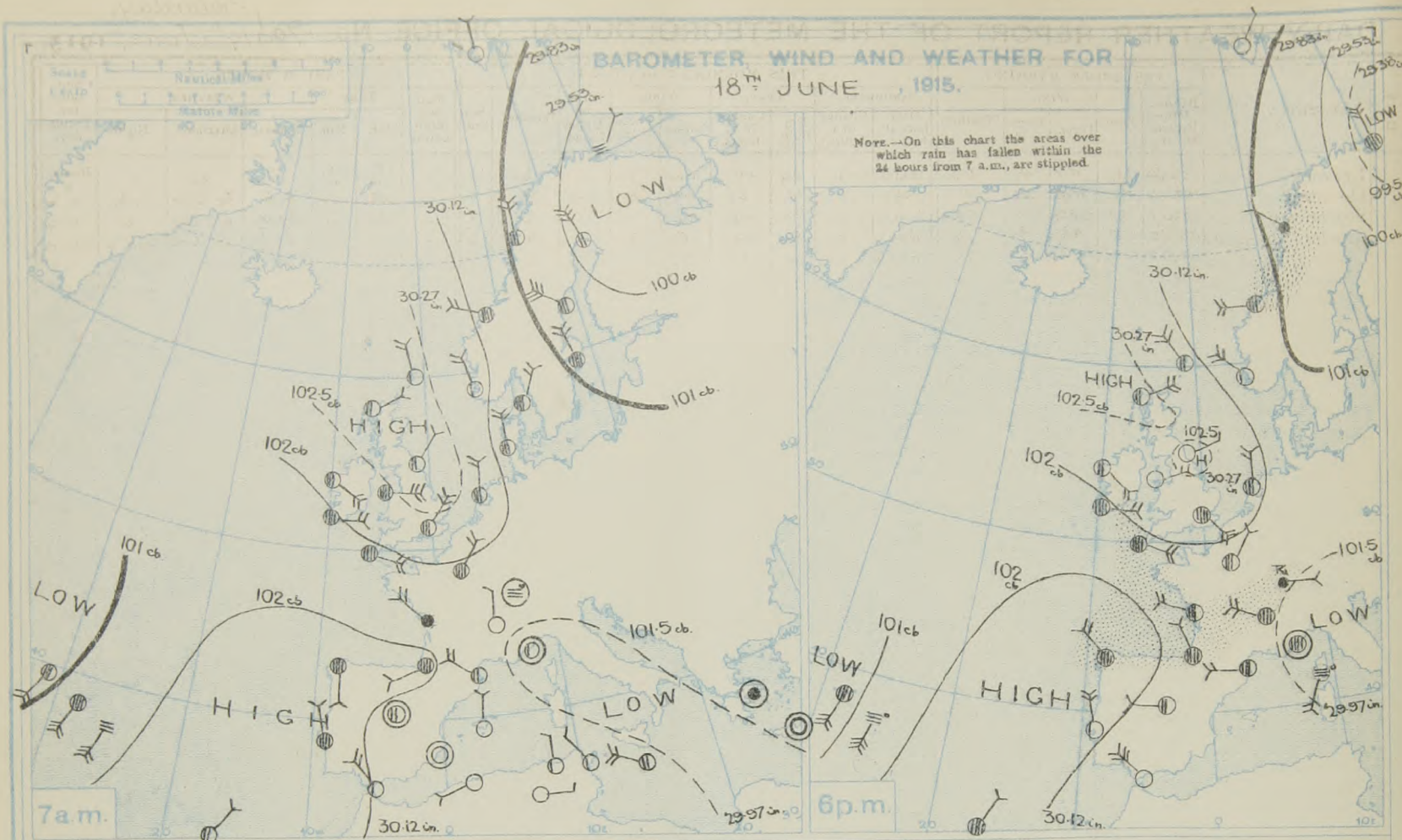
# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 170.

Saturday,  
19<sup>th</sup> June, 1915.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea (6-9).	Rain- fall. Milli- metres.	TEMP.		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.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1022.4	50	NW	4	bc.	1021.5	-1	49	+1	NW	2	-	b	2	-	54	46	bc	c	b	Hours.
	Deerness	1024.4	51	NW	4	0	1023.3	0	51	0	NW	4	NW	bc	3	-	58	44	b. b	bc. c. o	o. c. bc	10.6
	Stornoway	1026.7	57	ENE	4	0	1024.9	0	56	+4	NE	1	-	b	1	-	60	44	bc. b	bc. c. o	b	10.9
	Castlebay (Barra Isd.)	1025.0	57	NW	3	bc	1024.1	0	56	+2	E	3	-	b	3	-	59	51	bc. b	bc. c. o	bc. c. b	13.4
	Glasgow	1023.5	63	ENE	1	bc	1024.6	0	49	+3	E	1	-	b	1	-	64	43	bc. b	bc. c. o	bc. c. b	14.8
	Eskdalemuir	1024.0	57	ENE	3	bc	1024.1	0	53	+6	-	0	-	b	1	-	61	34	bc. b	bc. c. o	bc. c. b	14.5
	Malin Head	1023.5	54	E	3	bc.	1024.4	0	56	+6	E	1	-	bc	1	-	60	47	bc. b	bc. c. o	bc. c. b	10.4
	Blacksod Point	1021.6	60	SE	3	bc.	1021.7	0	55	-1	SE	1	-	bc	1	-	63	52	bc. b	bc. c. o	bc. c. b	10.4
	Valencia	1019.7	59	E	3	0	1020.8	0	59	0	E	3	NE	bc	2	-	67	55	o. c	c. o	b. c. b	2.0
	Roche's Point	1022.1	57	SE	3	0	1022.5	0	55	-4	E	1	S	b	1	0.2	60	49	bc. b	bc. c. o	bc. c. b	10.6
	Birr Castle	1022.3	59	E	1	0	1022.3	0	53	-3	SSE	1	-	b	1	-	63	46	bc. b	bc. c. o	bc. c. b	0.0
	Donaghadee	1023.4	54	NE	2	bc.	1023.8	+1	53	+3	SE	2	-	bc	1	-	57	48	bc. b	bc. c. o	bc. c. b	12.4
	Liverpool (Bidston)	1022.1	63	ESE	2	b	1023.8	0	51	+1	ESE	1	-	b	2	-	66	45	bc. b	bc. c. o	bc. c. b	10.3
	Holyhead	1022.3	58	ENE	3	bc.	1022.8	+1	56	+3	E	3	-	bc	2	-	63	50	bc. b	bc. c. o	bc. c. b	10.3
	Pembroke (St. Ann's)	1021.6	59	N	2	bc	1022.2	+1	53	+1	ENE	3	NE	b	2	-	60	51	bc. b	bc. c. o	bc. c. b	5.4
	Scilly (St. Mary's)	1019.9	54	ESE	4	omp	1019.8	0	55	0	ESE	5	NE	c	4	2	56	52	omp	omp	cp. c. c	0.0
	Falmouth	1020.6	55	ESE	3	c	1021.1	+1	55	+2	ENE	2	-	b	3	-	58	51	bc. b	bc. c. o	bc. c. b	4.4
	Jersey (St. Aubin)	1019.3	59	ENE	4	0	1019.0	0	56	+1	ENE	4	-	0	3	-	62	54	bc. b	bc. c. o	bc. c. b	1.1
	Portland Bill	1021.3	55	ESE	3	0	1021.5	0	51	-1	NE	4	-	0	4	-	58	47	bc. b	bc. c. o	bc. c. b	1.1
	Dungeness	1022.3	54	NE	5	c	1021.2	0	55	+1	NE	4	NE	c	3	-	60	51	bc. b	bc. c. o	bc. c. b	1.1
	Dover	1021.9	51	NE	4	c	1021.6	0	53	-2	NNE	4	NE	c	4	-	59	46	bc. b	bc. c. o	bc. c. b	9.5
	Wick	1024.8	54	NW	4	bc	1023.7	0	51	+3	WNW	3	-	bc	2	-	57	44	bc. b	bc. c. o	bc. c. b	12.0
	Nairn	1025.2	58	ENE	2	bc.	1024.4	0	52	0	W	1	-	bc	1	-	64	36	bc. b	bc. c. o	bc. c. b	12.0
	Aberdeen	1025.0	55	ESE	1	bc	1024.1	0	53	+3	NNW	3	-	b	2	-	60	44	bc. b	bc. c. o	bc. c. b	12.4
	Leith	1023.8	59	ENE	2	b	1024.2	0	53	+3	W	1	-	bc	1	-	61	45	bc. b	bc. c. o	bc. c. b	12.4
	Tynemouth	1025.3	54	ENE	2	bc	1024.0	0	52	+1	NW	2	-	bc	3	-	56	43	bc. b	bc. c. o	bc. c. b	12.4
	Spurn Head	1024.9	55	E	3	bc	1023.8	-1	50	-2	NNW	4	-	bc	4	-	57	45	bc. b	bc. c. o	bc. c. b	4.2
Yarmouth	1024.0	52	NE	4	c	1024.1	0	52	+1	NE	4	-	c	2	-	57	49	bc. b	bc. c. o	bc. c. b	2.5	
Clacton-on-Sea	1023.0	54	ENE	4	bc.	1022.4	0	51	-1	N	3	N	0	2	-	56	49	bc. b	bc. c. o	bc. c. b	9.2	
Nottingham	1023.2	55	E	3	b	1024.0	0	54	-2	ESE	1	W	b	2	-	61	34	bc. b	bc. c. o	bc. c. b	10.3	
Bath	1020.9	64	E	2	bc	1022.8	0	50	-2	E	2	-	b	1	-	66	43	bc. b	bc. c. o	bc. c. b	10.0	
Sth Farnborough	1021.2	59	E	2	bc	1022.2	0	50	-1	ENE	2	-	bc	1	-	64	38	bc. b	bc. c. o	bc. c. b	9.3	
London (Kew Obsy.)	1022.2	56	SE	4	0	1023.1	0	50	-2	NE	3	-	0	1	-	62	42	bc. b	bc. c. o	bc. c. b	6.8	
ICELAND, FAEROE, &c.	Spitsbergen	1014.3	36	NE	1	b	1013.6	-1	37	+1	NE	4	-	0	1	0	39	28	bc. b	bc. c. o	bc. c. b	1.0
	Isafjord...																					
	Reykjavik																					
	Vestmanna																					
	Seydisfjord																					
Thorshavn																						
NORTHERN EUROPE.	Vardö	993.2	37	N	5	0	991.3	+1	43	+4	WSW	3	-	0	3	0	43	37	bc. b	bc. c. o	bc. c. b	1.0
	Bodö	1005.2	39	NW	2	r	1005.1	0	41	+2	WNW	4	-	c	2	3	43	36	bc. b	bc. c. o	bc. c. b	1.0
	Christiansund	1015.1	41	W	4	c	1014.1	+2	45	+2	N	1	-	0	4	3	45	39	bc. b	bc. c. o	bc. c. b	1.0
	Skudesnaes	1015.6	46	NW	4	b	1016.6	0	46	0	NNW	6	-	c	2	-	48	43	bc. b	bc. c. o	bc. c. b	1.0
	Færder (X'ania Fjord)	1010.7	54	SW	6	b	1011.1	+2	48	0	N	5	-	b	2	-	57	41	bc. b	bc. c. o	bc. c. b	1.0
	The Scaw (Skagen)																					
	Blaavands Huk																					
	Haparanda																					
	Hernösand																					
	Stockholm																					
Wisby																						
Karlstad																						
Petrograd (5 a.m. G.M.T.)																						
FRANCE, &c.	The Helder	1022.6	52	N	3	c	1021.5	0	52	0	N	2	-	0	2	0	56	50	bc. b	bc. c. o	bc. c. b	1.0
	Brussels																					
	C. Gris Nez	1021.2	53	NE	5	bc	1021.0	0	51	-1	NE	3	-	0	2	0	59	46	bc. b	bc. c. o	bc. c. b	1.0
	La Hève	1018.6	57	NE	4	0	1019.1	0	50	-3	NE	2	-	0	2	0	63	46	bc. b	bc. c. o	bc. c. b	1.0
	Ushant	1019.9	55	ENE	3	c	1018.7	0	54	-	ENE	3	-	m	3	2	61	50	bc. b	bc. c. o	bc. c. b	1.0
	Brest (St. Mathieu)	1019.8	66	NW	1	m	1019.4	0	56	-1	ENE	2	-	m	2	-	72	52	bc. b	bc. c. o	bc. c. b	1.0
	Rochefort (Ile d'Aix)	1019.1	63	WNW	3	c	1019.0	0	64	+1	WNW	3	-	c	2	0	70	61	bc. b	bc. c. o	bc. c. b	1.0
	Biarritz	1019.9	64	WNW	2	0	1020.2	0	63	+1	WSW	1	-	0	2	4	68	63	bc. b	bc. c. o	bc. c. b	1.0
	Paris	1017.6	66	NNE	3	c	1018.3	0	54	-3	NNE	2	-	c	1	0	70	48	bc. b	bc. c. o	bc. c. b	1.0
	Belfort	1015.0	74	E	2	bc.	1018.0	0	57	-2	W	4	-	m	1	0	82	57	bc. b	bc. c. o	bc. c. b</	

## RAINFALL.





**FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.**

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

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

No Warnings  
Issued.

Western Channel and Bay 11

Moderate to light breezes, mainly Northerly;  
fair to fine; cool.

Moderate to light North-Easterly breeze, fair  
to fine; cool.

Same as Nos. 0 to 2.

Light Easterly to South-Easterly breezes; fair  
to fine; cool.

Variable breezes; sea slight; cloudy to fine,  
local mist; cool.

**FURTHER OUTLOOK.**







Saturday 19th June 1915.

18th June 1915

REPORTS  FOR  YESTERDAY.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.											
		Barom. Milli- bars at M.S.L.	Temp.	Wind.		Weather.	Barometer.		Temp.		Wind.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	Temp.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 24 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.
* F.	* F.	* F.	* F.															
Spitzbergen	1014.7	34	NNW	2	b	1013.9	-1	36	* F.	* F.	N	2	*	b	4	*	27	28
Vardö	998.1	43	SE	1	b	998.6	+0	39			NE	2	-	b	2	*	43	39
Bodø	1009.9	41	N	4	b	1009.3	+0	39			N	4	-	b	2	-	43	37
Christiansund	1020.3	41	NNW	4	c	1019.5	-1	43			NNW	3	-	b	4	5	45	39
Skudesnæs	1019.7	46	NNW	8	b	1021.1	0	46			NNW	3	-	b	3	-	45	46
Færder	1013.3	54	NNW	4	c	1017.2	0	48			NNW	2	NNW	b	1	-	55	46
C. Gris Nez	1020.6	54	NE	6	o	1022.4	+1	52			E	4	*	bc	2	-	59	50
Brest	1021.1	63	N	1	m	1020.4	+1	56			E	1	*	m	2	-	77	54
Roche fort	1019.4	66	WNW	5	bc	1019.7	0	65			NNW	3	*	r	4	-	79	66
Rnis	1017.5	66	WNW	5	bc	1019.8	+1	57			NE	3	*	o	4	-	79	52
Perpignan	1018.9	79	W	3	o	1017.7	0	72			WNW	3	-	bc	4	-	84	64
Madrid	1015.3	77	WSW	1	b	1018.9	+1	66			-	0	-	bc	4	-	81	57
Malta	*	*	*	*	*	1016.6	+1	72			WNW	4	-	bc	3	-	79	68

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.		STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	{ Oban ... ..	"	64	38	b	b	13.0		{ Tunbridge Wells ... ..	"	60	45	a.c.bc	bc	5.2
	{ Banff ... ..	"	56	36	bc	bc	16.1		{ Margate ... ..	"	55	51	bc	bc	7.8
	{ Carnoustie ... ..	"	56	36	bxc.c	b	11.9		{ Ramsgate ... ..	"	56	47	c	c	7.7
	{ St. Andrews ... ..	"	59	35	*	*	12.1		{ Hastings ... ..	"	?	50	b	b	12.5
									{ Bexhill-on-Sea ... ..	"	59	50	b.bc.b	bz	11.5
Eng. N.E.	{ Harrogate ... ..	"	60	38	bc.b	b	11.1		{ Eastbourne ... ..	"	63	46	b	b	11.4
	{ Skegness ... ..	"	56	50	c.c	c	3.4		{ Seafoad ... ..	"	64	48	c.bc	bc	10.9
									{ Brighton ... ..	"	64	47	bc.b	b	9.4
Eng. N.W.	{ Morecambe ... ..	"	68	43	b	b	13.5		{ Worthing ... ..	"	65	55	bc.b	b	10.2
	{ Blackpool ... ..	"	64	41	b	b	13.8		{ Littlehampton ... ..	"	62	46	c.bc	bc	9.5
	{ Southport ... ..	"	66	42	bc.b	b	12.0		{ Southsea ... ..	"	64	47	bc	b	8.3
									{ Bournemouth ... ..	"	64	48	b	b	10.0
Midlands.	{ Buxton ... ..	"	59	38	b	b	11.5								
	{ Leamington Spa ... ..	"	62	44	c	bc.b	6.5								
	{ Malvern ... ..	"	61	46	c.bc	bc.b	4.0								
	{ Ross-on-Wye ... ..	"	62	46	c	c	3.4								
Wales.	{ Rhyl ... ..	"	60	48	b	b	12.2		{ Weymouth... ..	"	62	52	bc.b	b.bz	10.8
	{ Colwyn Bay ... ..	"	63	47	b	b	11.5		{ Torquay ... ..	"	60	54	bc.b	b	9.4
	{ Llandudno ... ..	"							{ Paignton ... ..	"					
	{ Aberystwyth ... ..	"	64	50	c.b	c.o	2.7		{ Falmouth ... ..	"	58	53	a.c.bc	bc	4.4
	{ Tenby ... ..	"	64	53	bc	bc	4.5		{ Penzance ... ..	"	59	54	o	c.c	0.5
									{ Newquay ... ..	"	59	53	a.c.b	b.a.b	3.5
									{ Ilfracombe ... ..	"	63	53	bc.b	b.bc	9.0
England, E.	{ Cromer ... ..	"	56	49	o	o	0.3		{ Weston-super-Mare ... ..	"	66	50	b.bc.b	b.bc.b	3.5
	{ Lowestoft ... ..	"	54	50	a.c	c.o.c	1.9								
	{ Felixstowe ... ..	"	55	46	c	bc	7.4								
	{ Walton-on-Naze ... ..	"	54	48	c.bc	bc.c	7.1								
	{ Southend-on-Sea ... ..	"	59	46	c.bc.b	b.bc	5.8								

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.				
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.	Fore- noon.		After- noon.	Night.	In Screen.			Night Min. on Grass.	Night.	Fore- noon.	After- noon.							
																	Max.	Min.		Max.	Min.	Max.	Min.
																	24 HOURS ENDED 9 A.M. TO-DAY.						
Greenwich (Royal Obsy.) ...	%	%	Hr.	° F.	° F.	° F.	mm.‡	bc	bc	bc	Dublin to 4 p.m.	mm.‡	° P.	° F.	° F.	c. o	c. c	c. b					
City (Bunhill Row) ...	56	58	7.2	62	42	30	-	bc	bc	bc	Darwen to 9 p.m.	-	61	53	52	c. o	bc	bc	11.5				
Westminster (St. James's Plk.)	62	65	6.2	62	44	40	-	bc	bc	bc	Manchester	-	64	42	38	c. bc	bc	bc	12.0				
Camden Sq. (Brit. Rainfall)	49	58	7.0	69	42	39	-	bc	bc c	*	Birmingham "	-	61	46	*	c. c. b	b. bc	bc	9.7				
Hampstead (Reservoir) ...	*	63	7.2	60	39	24	-	bc	bc	bcc	Oxford to 8 p.m.	-	61	45	41	c. c	c	c. bc	9.7				
Richmond Park	*	*		VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																			
Kew. (See front page.)										Total.	Average Rate.	Max. Rate.					Teignmouth to 9,,	-	59	53	54	b. bc. c	bc. b
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Joules	Milliwatts.	Milliwatts.					Plymouth	-	62	49	44	c	c	c. o					
S. Kensington (Roof of M.O.)	58	61	6.2								S. Kensington (Museum Grounds to 6 p.m.)	-	62	49	44	c	c	c. o					

## NOTES ON YESTERDAY'S WEATHER.

The bright sunshine records were very irregular, from none at Birr Castle and Scilly to 14·8 hours at Glasgow. Temperature was rather low generally, below 60° in many localities, but Morecambe touched 68°.

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. and at the bookstalls at certain Railway Termini in London.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 171.

Sunday  
20<sup>th</sup> June 1915.

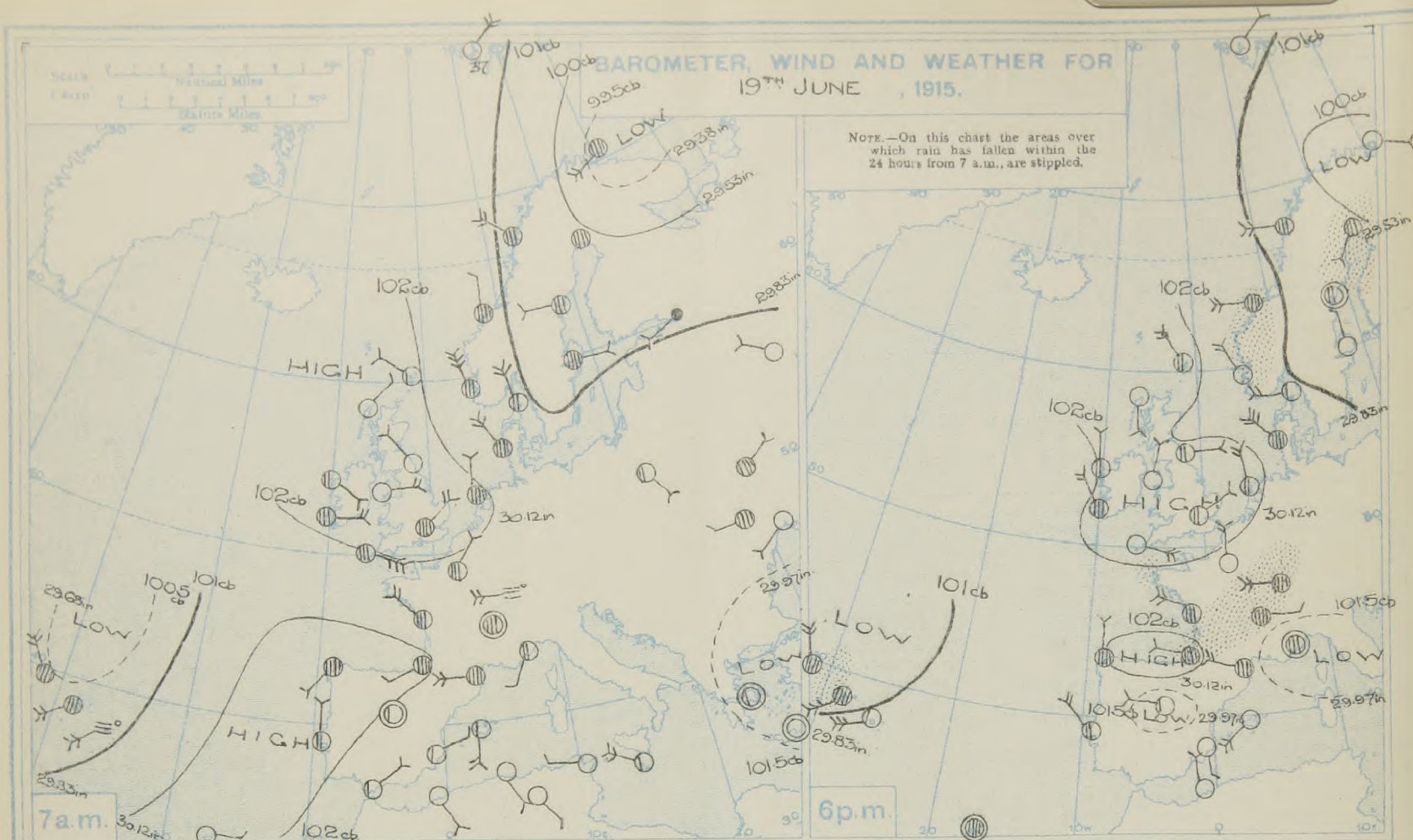
DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea G-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	10207	48	NW	3	bc	10181	+2	51	-1	NW	3	-	bc	2	-	51	42	bc	bc	bc	Hours.
	Deerness	10217	51	NNW	4	bc	10183	*	50	-1	NNW	4	-	0	2	-	56	46	bc	bc	bc.c	13.6
	Stornoway	10230	57	S	2	bc	10198	-1	52	-4	-	0	-	0	0	-	60	44	b.bc	bc	bc	13.6
	Castlebay (Barra Isd.)	10223	60	NNW	2	bc	10191	-1	57	+1	E	2	-	bc	2	-	62	50	bc	bc	bc	15.3
	Glasgow	10209	64	W	2	bc	10201	-1	49	0	-	0	W	bc	*	-	70	43	bc	bc	bc	13.4
	Eskdalemuir	10213	59	SW	3	bc	10201	0	53	0	ESE	1	NW	bc	*	-	66	35	bc	bc	bc	10.5
	Malin Head	10214	56	E	1	bc	10194	-1	57	+1	S	2	-	bc	1	-	59	51	bc	bc	bc	13.6
	Blackod Point	10205	61	N	2	bc	10179	-2	55	0	SE	4	-	bc	2	-	62	51	bc	bc	bc	*
	Valencia	10202	61	NNW	2	bc	10187	-2	57	-2	E	3	S	bc	2	-	67	50	bc	bc	bc	7.8
	Roche's Point	10221	60	SE	2	bc	10185	*	57	+2	SE	4	S	bc	4	-	62	52	bc	bc	bc	*
	Birr Castle	10208	66	SE	1	bc	10197	*	49	-4	SSE	1	-	bc	1	-	70	38	bc	bc	bc	13.5
	Donaghadee	10220	63	SSW	3	bc	10195	0	56	+3	SW	1	-	bc	1	-	65	49	bc	bc	bc	*
	Liverpool (Bidston)	10212	61	N	2	bc	10203	0	54	+3	ESE	1	SE	bc	2	-	63	48	bc	bc	bc	12.7
	Holyhead	10219	60	NNE	2	bc	10202	0	55	-1	SW	3	-	bc	2	-	64	50	bc	bc	bc	12.9
	Pembroke (St. Ann's)	10220	57	N	1	bc	10201	-1	55	+2	SE	3	-	bc	2	-	58	49	bc	bc	bc	12.7
	Scilly (St. Mary's)	10204	56	ESE	4	bc	10166	-1	55	0	ESE	5	E	bc	5	-	60	53	bc	bc	bc	11.6
	Falmouth	10211	57	SE	1	bc	10183	-1	53	-2	ESE	3	-	0	4	-	56	52	bc	bc	bc	13.7
	Jersey (St. Aubin)	10203	61	ENE	3	bc	10193	*	55	-1	E	3	-	0	3	-	64	51	bc	bc	bc	3.7
	Portland Bill	10215	54	SE	1	bc	10209	-1	54	+3	ESE	4	SE	bc	4	-	58	50	bc	bc	bc	*
	Dungeness	10218	55	NE	3	bc	10218	+1	56	+1	NE	3	NE	bc	3	-	60	40	bc	bc	bc	*
	Dover	10223	53	NE	3	bc	10218	0	57	+4	NE	1	-	bc	2	-	59	39	bc	bc	bc	8.8
	Wick	10217	52	NW	4	bc	10190	-2	52	+1	W	2	W	bc	2	-	57	38	bc	bc	bc	*
	Nairn	10208	61	NE	3	bc	10194	*	53	+1	NNW	1	-	bc	1	-	66	37	bc	bc	bc	15.1
	Aberdeen	10222	55	SE	3	bc	10200	-1	52	-1	NNW	1	NW	bc	1	-	63	42	bc	bc	bc	15.0
	Leith	10200	65	ENE	2	bc	10197	0	53	0	WSW	1	W	bc	*	-	68	47	bc	bc	bc	*
Tynemouth	10232	57	E	1	bc	10200	-2	54	+2	W	1	-	bc	2	-	59	45	bc	bc	bc	*	
Spurn Head	10236	56	NE	4	bc	10209	-2	54	+4	W	3	-	bc	4	-	60	47	bc	bc	bc	11.1	
Yarmouth	10226	57	N	3	bc	10223	+2	52	0	W	2	-	bc	1	-	60	42	bc	bc	bc	8.1	
Clacton-on-Sea	10223	55	ENE	3	bc	10226	0	55	+4	NE	2	NE	bc	1	-	56	44	bc	bc	bc	7.0	
Nottingham	10219	62	E	2	bc	10219	*	50	+3	SW	1	-	bc	*	-	65	36	bc	bc	bc	11.0	
Bath	10213	64	E	1	bc	10217	*	53	+3	E	1	-	bc	*	-	66	39	bc	bc	bc	12.2	
Sth Farnborough	10209	63	NE	2	bc	10215	0	54	+4	SE	1	-	bc	*	-	63	35	bc	bc	bc	14.9	
London (Kew Obsy.)	10211	62	NE	2	bc	10230	0	53	+3	SSE	1	-	bc	*	-	64	40	bc	bc	bc	12.8	
ICELAND, FAROE, &c.	Spitsbergen	10132	39	NE	2	bc	10077	-6	37	0	SE	6	*	0	*	*	39	32				
	Isafjord																					
	Reykjavik																					
	Vestmanna																					
	Seydisfjord																					
Thorshavn																						
NORTHERN EUROPE.	Vardö	9976	43	ESE	2	bc	9986	0	43	+2	S	5	-	bc	2	-	45	34				
	Bodö	10059	41	W	4	bc	10035	0	43	+2	W	4	W	bc	3	-	41	34				
	Christiansund	10153	45	W	2	0	10128	-1	41	-4	W	3	-	5	4	Trace	46	39				
	Skudesnaes	10154	46	NW	3	0	10160	0	46	0	N	4	-	0	3	-	50	46				
	Færder (X'laia Fjord)	10096	54	WSW	4	0	10127	+1	48	0	ENE	2	-	bc	1	-	54	46				
	The Scaw (Skagen)	10110	55	W	3	bc	10115	+2	55	+2	SE	1	-	bc	2	-	57	50				
	Blaavands Huk	10167	54	NW	5	0	10170	+1	50	-2	NW	4	-	0	4	-	52	48				
	Haparanda	10008	45	SW	2	0	10024	+1	45	0	SW	4	-	bc	*	Trace	50	39				
	Hernösand	10060	48	-	0	bc	10078	0	48	0	N	2	-	bc	*	1	52	39				
	Stockholm	10064	50	N	1	0	10096	+2	50	+4	NW	2	N	bc	*	1	54	47				
Wisby	10063	50	NNW	2	bc	10117	+4	50	-5	NW	2	W	bc	*	-	61	45					
Karlstad	10090	54	NW	2	bc	10124	+1	48	+5	NNE	4	-	bc	*	-	59	39					
Petrograd (S.A.M.T.)	10126	50	SW	3	bc	10087	-2	48	+5	SE	3	-	0	*	3	55	41					
FRANCE, &c.	The Helder	10210	54	NNW	3	bc	10213	0	54	+2	NNW	1	-	bc	1	-	57	43				
	Brussels	*	*	*	*	*																
	C. Gris Nez	10211	54	NE	5	bc	10221	+2	54	+3	ENE	2	*	bc	1	-	59	40				
	La Hève	10212	64	NE	2	bc	10208	*	50	0	ESE	4	*	bc	2	-	64	48				
	Ushant	10193	57	E	3	bc	10173	*	57	+3	SE	2	*	bc	3	3	61	50				
	Brest (St. Mathieu)	10199	66	W	2	bc	10177	-1	59	+4	E	3	*	bc	2	1	75	59				
	Rochefort (Ile d'Aix)	10194	66	NNW	4	0	10186	0	61	-3	SE	2	*	0	*	-	72	57				
	Biarritz	10203	64	NNW	2	0	10179	-1	64	+1	ESE	1	*	0	1	-	73	61				
	Paris	10180	64	NNE	3	bc	10206	+1	54	0	NE	2	-	bc	*	-	70	43				
	Belfort	10168	57	N	4	0	10195	*	50	-7	ENE	4	*	0	*	-	62	50				
Lyons	10171	59	E	1	0	10186	*	57	-5	NW	3	*	0	*	11	72	55					
Nice	10163	65	-	0	0	10097	+2	67	0	SW	1	*	bc	0	-	75	57					
Perpignan	10159	73	NW	3	0	10172	0	72	-2	SW	2	W	bc	*	-	84	59					
Sanguinaire																						
SOUTHERN EUROPE.	Corunna (7 a.m.)	10200	66	N	2	0	10149	-1	61	-3	-	0	-	0	1	*	72	64				
	Madrid (8 a.m.)	10147	82	NNW	2	bc	10175	0	70	+4	-	0	-	bc	*	-	84	61				
	Lisbon (9 a.m.)	10168	79	NW																		

## RAINFALL.

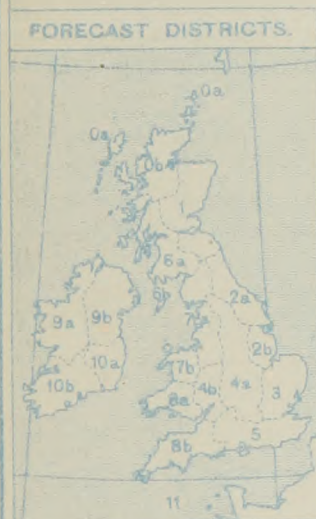
Equivalents of Millimetres.  
in Inches.

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





**FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.**



**STORM WARNINGS.**

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

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

No Warnings Issued.

Western Channel and Bay 11

**FURTHER OUTLOOK.**

R. G. K. LEMPFERT, Superintendant, Forecast Division.

W. N. SHAW, Director.

Light variable breezes; fine;

temperature rising.

Moderate South-Easterly breezes, freshening somewhat; fine to overcast, local mist, showers later; temperature rising

Moderate to fresh South-Easterly to Southerly breezes; sea moderate to rather rough; less settled, some rain and fog; moderate temperature.

Millibars

1050

1040

1030

1020

1010

1000

990

980

970

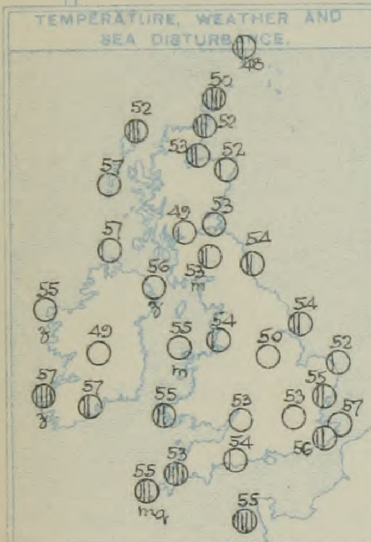


# SYNOPTIC CHART FOR 7 a.m., SUNDAY, 20<sup>TH</sup> JUNE, 1915.

## GENERAL INFERENCE.

Pressure is giving way slowly under the influence of an Atlantic depression, and somewhat less settled conditions are expected to affect our south-western districts.

### TEMPERATURE, WEATHER AND SEA DISTURBANCE.



### 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 1/4 clouded. ○ sky 1/2 clouded.

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

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

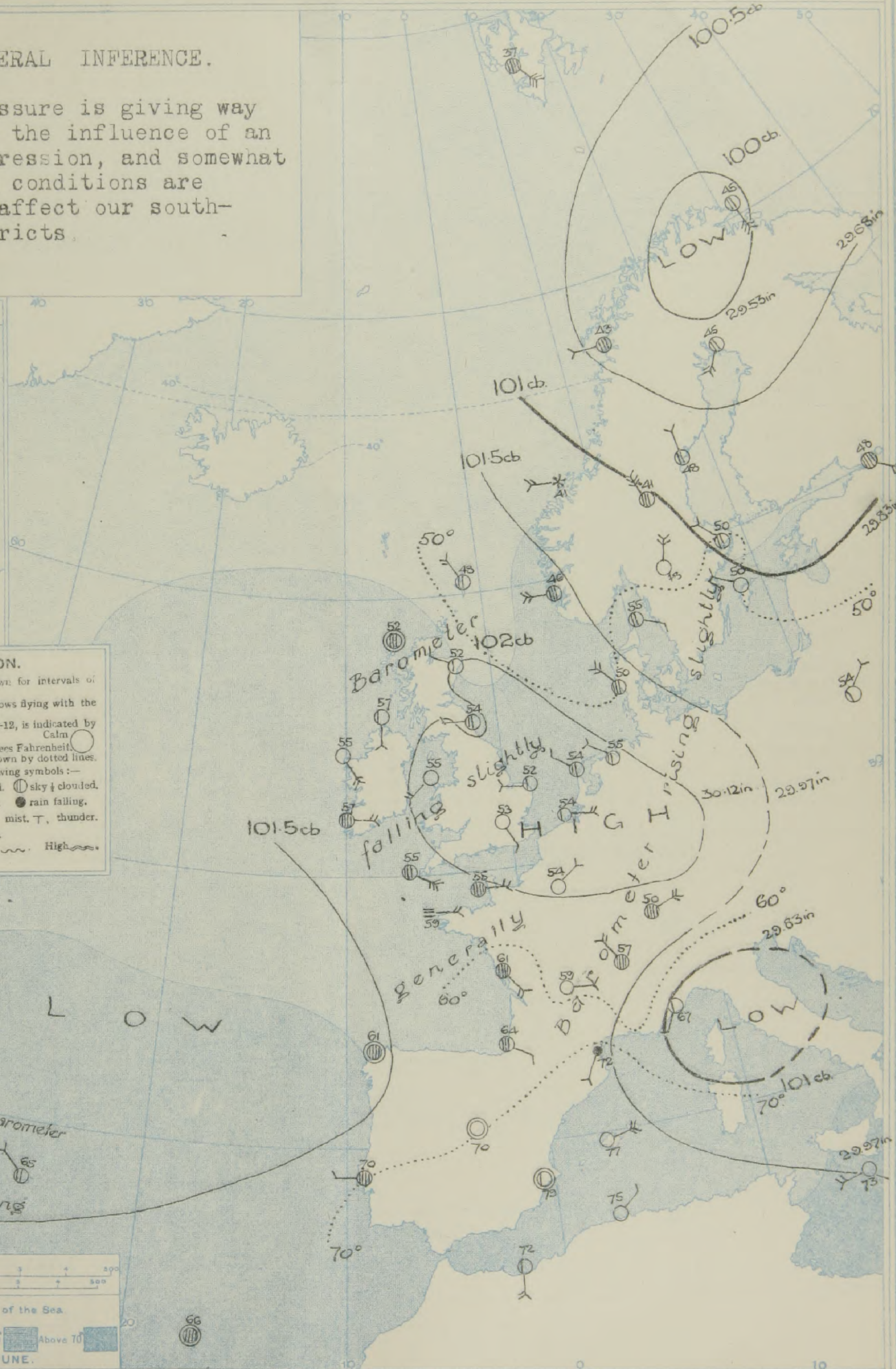
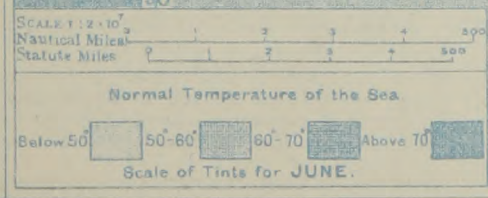
⚡, thunderstorm.

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

inches  
31

30

29





Sunday, 20<sup>th</sup> June, 1915.

Saturday, 19<sup>th</sup> June.

REPORTS  FOR  YESTERDAY.  Saturday 19 <sup>th</sup> June.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain- fall. Milli- metres.	TEMP.	
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Max.		Min.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.							
° F.				° F.	° F.														
Petrograd	1005.2	49	WSW	2	B	1008.6	+3	43	-	W SW	2	-	7	*	8	55	41		
The Scaw	1014.9	54	SSW	2	C	1010.3	+1	53	+1	NNW	4	NW	bc	4	-	59	46		
Blaaevand's	1019.3	50	NW	3	C	1017.0	0	52	+2	NW	4	-	0	4	-	52	46		
Stockholm	1010.7	50	W	2	0	1009.9	-2	46	+1	E	2	-	0	*	-	52	41		
Hernösand	1007.3	48	NW	4	C	1006.3	-1	48	+3	W	2	NW	C	*	TRACE	52	39		
Haparanda	999.0	45	NNW	4	C	1000.4	0	45	+2	-	0	W	0	*	1	52	34		
Wisby	1013.1	50	WSW	2	C	1010.9	-2	55	+9	SSW	2	W	bc	*	55	43			
Narissfad	1012.3	52	SW	4	0	1009.3	-1	43	+3	NE	6	-	0	*	Trace	57	39		

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.	mm. §	° F.	° F.			Hr.		mm. §	° F.	° F.			Hr.
{ Oban ... ..	—	64	41	b	b	13.0	{ Tunbridge Wells ... ..	—	59	43	b.o.b	b	10.6
{ Banff ... ..	—	58	42	b	b	13.4	{ Margate ... ..	—	56	49	c	b	5.8
{ Carnoustie ... ..	—	58	42	b	b	13.4	{ Ramsgate ... ..	—	55	48	c	b	6.8
{ St. Andrews ... ..	—	58	42	*	*	13.4	{ Hastings ... ..	—	61	44	b.c.b	b	8.7
Eng. N.E.	—	62	35	b	b.b.c	12.5	{ Bexhill-on-Sea ... ..	—	65	46	b	b	12.6
{ Harrogate ... ..	—	58	42	c.b	c.b	10.3	{ Eastbourne ... ..	—	59	45	b.b.c.b	b	10.8
{ Skegness ... ..	—	58	42	c.b	c.b	10.3	{ Seafood ... ..	—	63	44	b	b	8.6
Eng. N.W.	—	62	39	b	b	14.3	{ Brighton ... ..	—	64	46	c	c.b	12.3
{ Morecambe ... ..	—	62	39	b	b	14.3	{ Worthing ... ..	—	63	45	b.c.b	b	12.1
{ Blackpool ... ..	—	63	39	b	b	12.5	{ Littlehampton ... ..	—	65	42	b	b	12.0
{ Southport ... ..	—	63	39	b	b	12.5	{ Bognor ... ..	—	62	43	b.c	b	10.8
Midlands.	—	63	33	b	b	11.6	{ Southsea ... ..	—	64	40	b	b	13.3
{ Buxton ... ..	—	64	39	b.c	b.c.b	12.6	{ Bournemouth ... ..	—	64	40	b	b	13.3
{ Leamington Spa ... ..	—	64	39	b.c	b.c.b	12.6							
{ Malvern ... ..	—	64	38	b.b.c.b	b	13.3							
{ Ross-on-Wye ... ..	—	64	38	b.b.c.b	b	13.3							
Wales.	—	64	43	b	b.c	11.6	{ Weymouth ... ..	—	65	44	b	b.z	11.5
{ Rhyl ... ..	—	64	43	b	b.c	11.6	{ Torquay ... ..	—	60	51	b	b	14.1
{ Colwyn Bay ... ..	—	64	43	b	b.c	11.6	{ Paignton ... ..	—	60	51	b	b	12.9
{ Llandudno ... ..	—	64	43	b	b.c	11.6	{ Falmouth ... ..	—	58	51	b	b	12.4
{ Aberystwyth ... ..	—	67	46	c.b	b	13.0	{ Penzance ... ..	—	62	50	b	b	11.2
{ Tenby ... ..	—	62	51	b	b	12.5	{ Newquay ... ..	—	61	43	b.v.c	c.b.v	10.0
England, E.	—	59	48	c.o.b.c.b	b.b.c	7.0	{ Ilfracombe ... ..	—	63	52	c.b.c.b	b	10.4
{ Cromer ... ..	—	59	48	c.o.b.c.b	b.b.c	7.0	{ Weston-super-Mare ... ..	—	63	52	c.b.c.b	b	10.4
{ Lowestoft ... ..	—	57	48	c	b.c	6.0							
{ Felixstowe ... ..	—	56	49	c	b.c.b	6.0							
{ Walton-on-Naze ... ..	—	56	49	c	b.c.b	6.0							
{ Southend-on-Sea ... ..	—	60	47	c.b.c	b.c.b	6.0							

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.				
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.	Fore- noon.		After- noon.	Night.	In Screen.			Night Min. on Grass.	Night.	Fore- noon.	After- noon.							
																	Max.	Min.		Max.	Min.	Max.	Min.
																	24 HOURS ENDED 9 A.M. TO-DAY.						
																	° F.	° F.		° F.	mm. §	° F.	° F.
Greenwich (Royal Obsy.) ...	49	54	8.9	64	38	25	—	0	0	0	Dublin to 4 p.m.	—	63	46	42	c. 0	0	0	Hr.				
City (Bunhill Row) ...	*	*	11.8	*	*	*	—	*	*	*	Darwen to 9 p.m.	—	66	38	34	0.0	0.0	0.0	8.9				
Westminster (St. James's Pk.)	55	67	12.0	64	42	35	—	0.0	0	0	Manchester "	—	67	53	*	0.0	0.0	0.0	9.3				
Camden Sq. (Brit. Rainfall)	48	59	11.2	68	43	39	—	0	0	*	Birmingham "	—	64	42	32	0.0	0	0	11.0				
Hampstead (Reservoir) ...	*	47	14.5	62	43	29	—	0	0	0.0	Oxford to 8 p.m.	*	64	39	35	0.0	0.0	0.0	*				
Richmond Park ...	*	*	13.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						Teignmouth to 9,,						—	60	49	47	0	0	14.0	
Kew. (See front page.)							Plymouth "						—	64	48	42	0.0	0.0	0	14.2			
(Greenwich and Camden Square air temperatures are in Glaisher screens.)							S. Kensington (Museum Grounds to 6 p.m.)						*	65	54	40	0.0	0	0	*			
S. Kensington (Roof of M.O.)	52	59	13.1	Total. 2391 Joules		Average Rate. 401 Milliwatts.		Max. Rate. 82 Milliwatts.															

Fine, dry weather was general, the sunshine records exceeding 10 hours in most localities. Temperature reached 70° at Birr Castle and Glasgow, but at a number of stations the maxima were below 60°

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

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. and at the bookstalls at certain Railway Termini in London.



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. NO. 172.

Monday

21<sup>st</sup> June 1915.

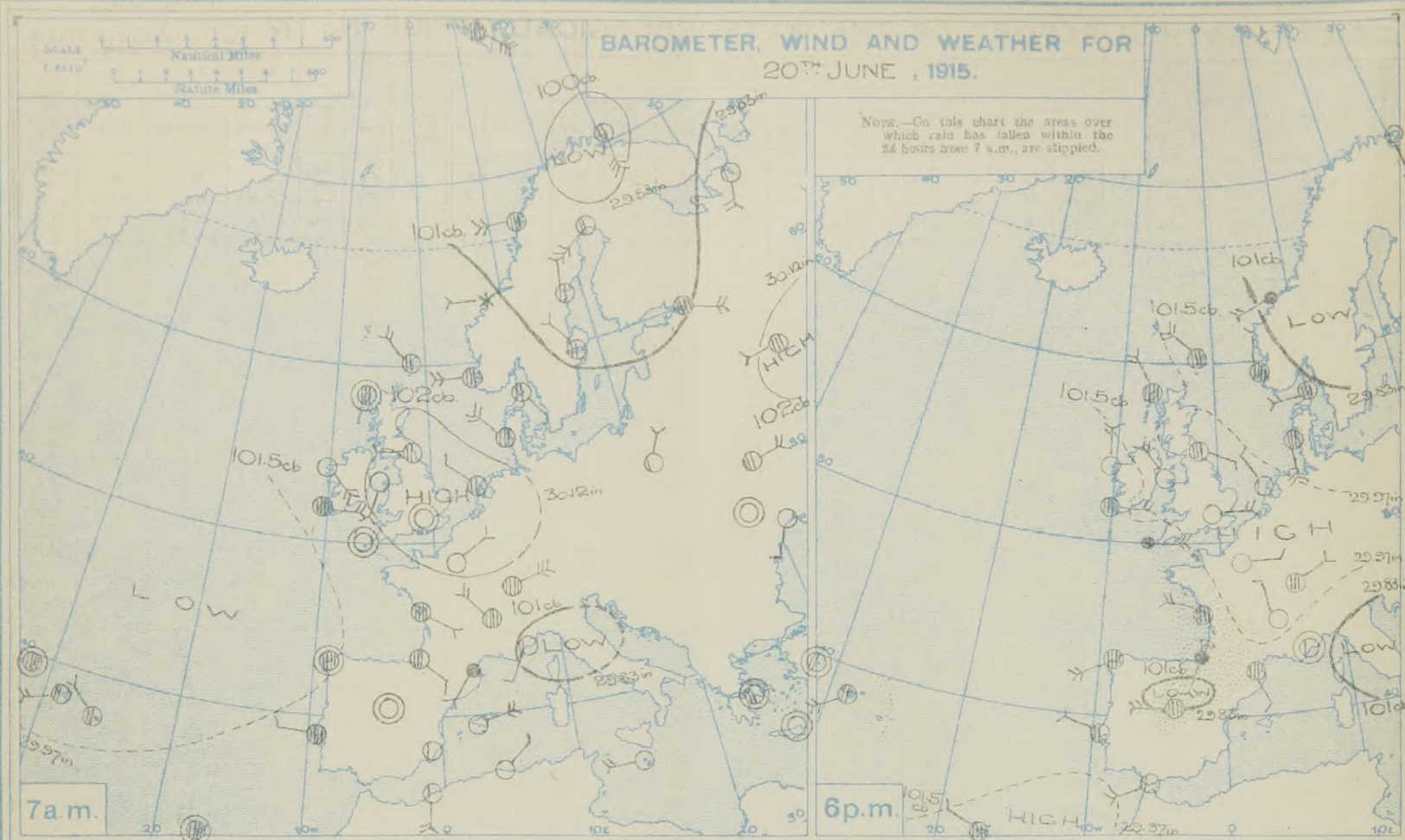
DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M. G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 2 hours.	Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea S.W.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Dir.	Force						Dir.	Force					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1012.5	55	NW	4	C	1013.2	+2	55	+3	N	3	N	bc	3	—	53	41	c	c	bc	Hours
	Deerness	1014.2	55	WNW	4	C	1014.5	+2	54	+1	NNW	4	NE	bc	3	—	59	44	oc-bc	bc-c	c-bc	6.8
	Stornoway	1016.4	56	NNW	3	O	1017.1	+2	51	+1	NNE	3	—	b	3	—	59	44	c-bc	c-o	bc-b	7.3
	Castlebay (Barra Isd.)	1015.2	61	NW	2	C	1016.6	0	54	+3	NNE	4	—	b	3	—	62	50	bc	bc-bc	c-bc-o	13.8
	Glasgow	1014.8	66	W	3	b	1014.4	0	54	+5	—	0	NW	c	—	—	64	48	bc	bc	bc-c	12.9
	Eskdalemuir	1015.0	62	SW	4	bc	1014.6	0	49	+4	S	1	—	C	—	—	67	37	bc-bc	c	bc-bm	10.3
	Malin Head	1016.5	60	NNE	1	bc	1015.2	—	57	0	NNE	1	—	bc	0	—	65	52	bc	bc	bc	14.2
	Blackod Point	1014.7	63	N	3	bc	1014.3	0	57	+2	ESE	1	—	bc	1	—	67	51	bc	bc	bc	—
	Valencia	1012.3	63	E	4	bc	1011.7	0	59	+2	ENE	3	E	o	2	—	65	56	bc	bc	c-o	5.6
	Roche's Point	1015.9	57	SE	3	O	1014.0	—	57	0	E	3	—	o	3	0.1	60	54	bc-o	o	o-c-o	—
	Birr Castle	1014.9	63	SSE	1	b	1015.4	—	55	+6	E	1	—	b	—	—	71	40	bc	b	b	14.8
	Donaghadee	1015.7	65	SSW	3	bc	1014.1	0	56	0	W	2	—	bc	1	—	67	52	bc	bc	bc	—
	Liverpool (Bidston)	1016.7	62	NW	1	b	1014.3	0	56	+2	—	0	—	bc	—	—	67	54	bc	bc	bc	12.7
	Holyhead	1016.4	59	WNW	3	bc	1014.9	0	57	+2	NE	2	—	bc	1	—	66	50	bc	bc	bc	12.2
	Pembroke (St. Ann's)	1016.9	57	SSE	2	C	1013.4	0	55	0	SE	2	—	C	2	—	62	51	bc	c	c	12.6
	Scilly (St. Mary's)	1012.7	54	E	5	bc	1010.3	-1	55	0	E	4	—	bc	5	3	57	54	bc	bc	bc	0.0
	Falmouth	1014.3	53	E	4	bc	1011.5	0	54	+1	NE	3	—	bc	4	10	54	52	bc	bc	bc	0.0
	Jersey (St. Aubin)	1015.2	65	E	3	O	1012.1	—	58	+3	ESE	3	—	O	3	0.1	67	56	bc-o	bc-o	bc-o	1.9
	Portland Bill	1017.0	55	E	4	C	1013.3	-1	55	+1	ENE	4	E	O	3	1	57	52	bc	bc	bc	—
	Dungeness	1017.7	57	ESE	3	b	1014.0	0	58	+2	E	2	E	C	2	—	61	54	bc	bc	bc	—
	Dover	1018.2	55	E	1	bc	1014.1	0	63	+6	E	1	—	b	2	—	63	49	bc-bc	b	b	14.8
	Wick	1015.2	55	NNW	3	O	1015.1	+3	49	+5	NNW	4	N	c	2	—	58	45	bc-bc	bc-o	bc-c	—
	Nairn	1014.4	63	—	0	bc	1015.4	—	53	0	N	1	—	bc	1	—	66	39	bc-bc	bc	bc	8.2
	Aberdeen	1015.4	57	SSE	2	C	1015.0	+1	52	0	M	2	—	bc	2	—	62	44	bc	bc	bc	8.8
Leith	1014.3	70	WNW	2	C	1014.4	+2	54	+1	WNW	1	—	bc	—	—	71	51	bc	bc	bc	—	
Tynemouth	1016.0	60	ESE	1	bc	1013.9	0	57	+3	NW	1	NW	bc	2	—	65	51	bc	bc	bc	—	
Spurn Head	1018.6	55	S	5	bc	1014.6	0	58	+4	WNW	3	—	bc	—	—	64	51	bc	bc	bc	13.1	
Yarmouth	1018.5	56	SSE	3	b	1015.5	0	59	+7	S	2	—	bc	1	—	60	54	bc	bc	bc	14.5	
Clacton-on-Sea	1018.6	56	ESE	3	b	1015.1	-1	59	+4	E	2	—	bc	2	—	59	52	bc-bc	bc	bc	15.5	
Nottingham	1016.3	67	SE	2	b	1014.7	—	53	+3	SW	1	—	bc	—	—	73	44	bc-bc	bc-bc	bc	14.0	
Bath	1016.9	68	S	2	b	1014.2	—	55	+2	NNE	1	W	bc	—	—	69	47	bc	bc	bc	12.6	
Sth Farnborough	1016.3	66	SE	2	b	1014.0	0	56	+2	ENE	1	NW	bc	—	—	69	42	bc	bc	bc	14.3	
London (Kew Obs.)	1016.5	65	E	3	bc	1014.9	0	55	+2	—	0	NW	bc	—	—	71	45	bc	bc	bc	12.5	
ICELAND, FAEROE, &c.	Spitsbergen																					
	Isafjord																					
	Reykjavik																					
	Vestmanna																					
	Seydisfjord																					
NORTHERN EUROPE.	Thorshavn																					
	Vardö	1001.1	43	S	1	b	1004.8	+2	48	+3	SE	1	—	b	2	—	46	39				
	Bodö																					
	Christiansund																					
	Skudesnaes																					
	Færder (K'ania Fjord)																					
	The Scaw (Skagen)	1011.5	54	WSW	3	C	1008.4	0	52	+3	W	4	W	C	4	—	59	48				
	Blaavands Huk	1016.6	52	S	3	C	1013.1	-1	52	+2	W	3	—	bc	1	TRACE	55	48				
	Haparanda																					
	Hernösand																					
FRANCE, &c.	Stockholm																					
	Wisby																					
	Karlstad																					
	Petrograd (3 a.m. G.M.T.)																					
	The Helder	1018.3	55	NW	1	b	1015.4	-1	57	+3	S	1	—	b	1	—	59	41				
	Brussels																					
	C. Gris Nez	1017.3	56	NE	4	b	1013.9	+1	58	+4	ESE	3	—	bc	1	—	63	50				
	La Hève	1015.1	59	NE	3	b	1011.7	—	59	+9	SE	2	—	m	2	—	66	50				
	Ushant	1011.9	59	SSE	3	m	1009.3	—	59	+2	?	1	—	m	3	29	61	54				
	Brest (St. Mathieu)	1013.9	62	SSE	3	O	1011.0	-1	61	+2	ESE	1	—	bc	3	30	66	59				
SOUTHERN EUROPE.	Roche fort (de d'Aix)	1013.3	67	WNW	3	O	1011.8	—	64	+3	SSW	2	—	bc	—	—	79	61				
	Biarritz	1013.0	66	SSW	2	bc	1012.2	0	68	+4	E	2	—	bc	1	44	77	63				
	Paris	1015.4	68	ESE	1	b	1013.1	0	57	+3	NE	1	W	bc	—	—	73	46				
	Belfort	1015.9	66	ENE	2	C	1014.6	—	57	+7	E	4	—	bc	—	—	72	48				
	Lyons	1016.3	69	NNW	1	b	1013.3	—	60	+3	W	0	—	bc	—	—	72	55				
	Nice	1010.4	70	—	0	b	1012.2	+2	66	-1	—	0	—	bc	2	—	79	59				
	Perpignan	1012.2	75	SE	1	C	1011.9	+2	72	0	E	1	—	C	—	—	86	63				
	Sanguinaire	?	73	NW	3	m	?	—	70	—	SE	3	—	m	3	—	79	63				
	Corunna (7 a.m.)	1012.8	73	SW	4	O	1013.1	+1	64	+3	SSW	4	—	bc	1	?	77	63				
	Madrid (8 a.m.)	1010.0	81	W	3	O	1013.5	+1	66	-4	W	1	—	bc	—	—	86	57				
SOUTHERN EUROPE.	Lisbon (9 a.m.)	1014.9	73	WNW	4	bc	1016.6	+1	66	-4	W	1	—	bc	5	—	77	64				
	Gibraltar	1014.5	71	SW	3	bc	1015.9	—	59	—	NW	3	—	bc	3	—	84	67				
	Rome																					

## RAINFALL.

Equivalents of Millimetres.  
in Inches.

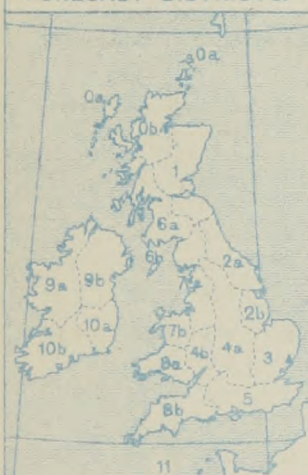
mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
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





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

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

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

No Warnings Issued.

Western Channel and Bay 11

**FURTHER OUTLOOK.**

R. G. K. LEMPERT, Superintendent, Forecast Division.

W. N. SHAW, Director

0 } Light to moderate Northerly breeze; generally  
1 } fair to fine; moderate temperature.

2 }  
3 } Easterly to South-Easterly breeze, mostly light;  
4 } fine to cloudy and misty; warmer.  
5 }

6 } Same as Nos. 0 to 2.

7 } Same as Nos. 3 to 5.

8 } Light to moderate Easterly and South-Easterly  
breeze; fair to cloudy, some rain locally; moderate  
temperature.

9 } Same as Nos. 3 to 5.

10 } Same as No. 8.

11 } Light to moderate Easterly to Southerly or  
South-Westerly breeze; sea moderate; cloudy to dull,  
some rain and fog; moderate temperature.

Millibars  
1050—31

1040

1030

1020

1010

1000

990

980

970

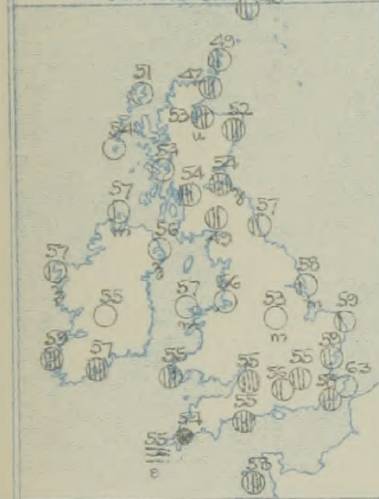


# SYNOPTIC CHART FOR 7 a.m., MONDAY, 21<sup>ST</sup> JUNE, 1915.

## GENERAL INFERENCE.

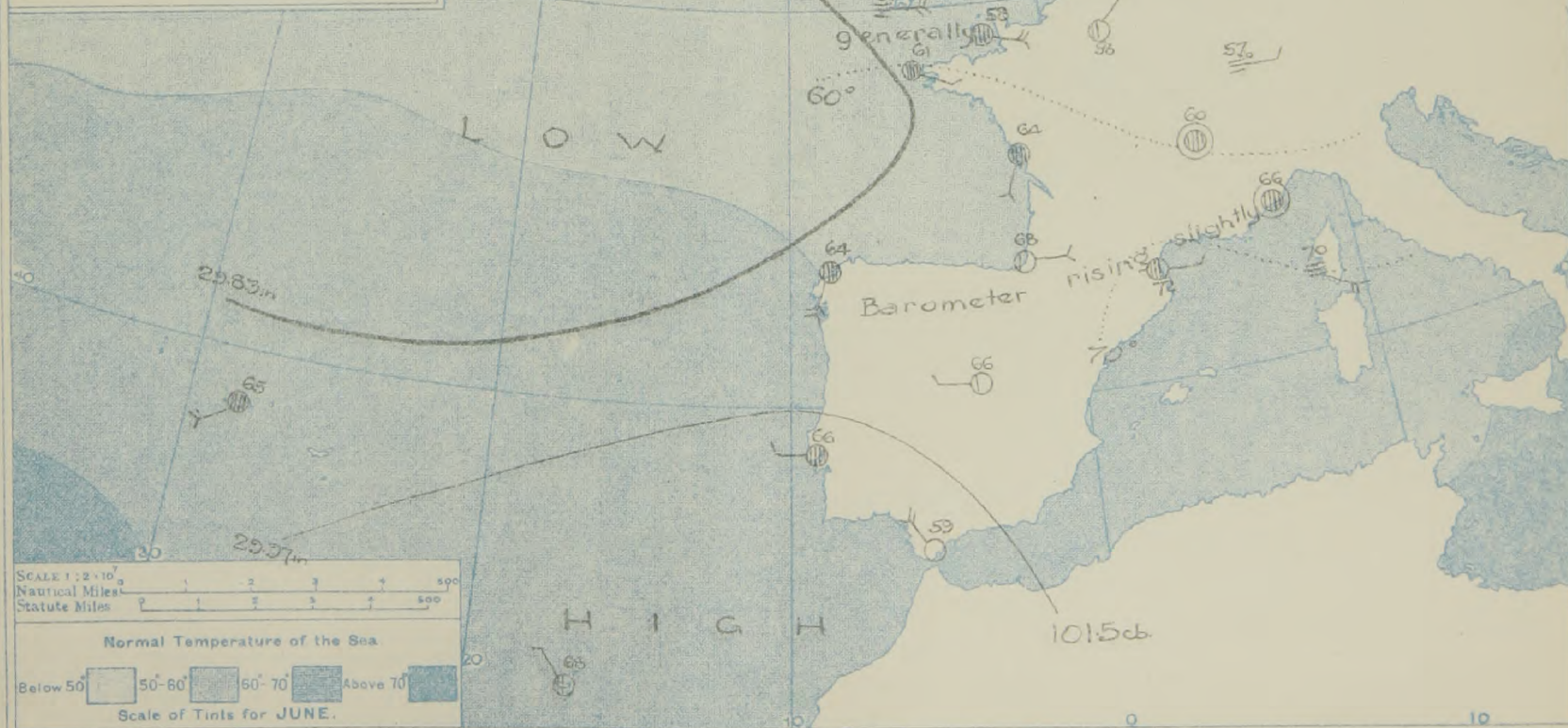
No important change is indicated other than the occurrence of rain locally in the southwest.

### TEMPERATURE, WEATHER AND SEA DISTURBANCE.



### 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. thunder.  
**SEA DISTURBANCE**—Rough High



Inches  
31

30

29



# PILOT BALLOON ASCENTS for the PAST WEEK. Component Velocities to East and to North in Metres per Second.

Station	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
Date & Hour.	Eskdalemuir 4th 3am.	S. Farnborough 14th 7am.	S. Farnborough 15th 7.10am.	S. Farnborough 15th 8am.	Benson 15th 12.13pm.	S. Farnborough 15th 8.30pm.	S. Farnborough 16th 3.50pm.	Benson 17th 11.55am.	Eskdalemuir 17th 3pm.	Falmouth 19th 11am.										
6																				
5																				
4																				
3	-7	-2	-7	-5	-5	-1	-6	0	-8	-3	-8	-2	-3	-1	-4	-1	+2	-4	-6	-3
2	-3	-2	-4	-3	-5	-2	-6	-2	-3	-1	-5	-2	-3	-2	-4	+1	0	-4	-5	-3
1	-8	-2	-8	-4	-2	0	-5	0	-3	-1	-4	-5	0	-2	-5	-3	-6	-1	-7	-5
5	-5	-4	-8	-5	-9	-5	-2	-2	-2	-2	-5	0	-2	-3	-5	-9	-7	-4	-7	-1
0	-6	-6	-4	-4	-5	-3	-1	-3	-3	-1	-4	0	-2	-2	-4	-4	-7	-3	-7	+3

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.	
Scotland.	mm. & f.	° F.	° F.			Hr.
Oban ...	-	62	40	b	bc	11.0
Banff ...	-	59	36	bc	o. bc	7.2
Carnoustie ...	-	61	42	b	cg	10.2
St. Andrews ...	-					
England, N.E.						
Harrogate ...	-	69	40	bc	bc. c.	8.0
Skegness ...	-	63	38	b	b	13.3
England, N.W.						
Morecambe ...	-	66	46			11.8
Blackpool ...	-	65	44			12.0
Southport ...	-					
Midlands.						
Buxton ...	-	67	40	bc	bc	7.9
Leamington Spa ...	-	69	40	b	b	13.5
Malvern ...	-	68	45	b	b	13.5
Ross-on-Wye ...	-	69	37	b	b	13.7
Wales.						
Rhyl ...	-	65	43	b	b	12.2
Colwyn Bay ...	-	63	48	b	b	12.0
Llandudno ...	-					
Aberystwyth ...	-	64	49	c. b	bc. c.	13.0
Tenby ...	-					
England, E.						
Cromer ...	-	66	44	b	b	13.6
Lowestoft ...	-	59	41	b	b	13.0
Felixstowe ...	-	58	40	bc	bc	13.0
Walton-on-Naze ...	-	60	41	b	b	13.9
Southend-on-Sea ...	-	63	44	b	b	12.7
England, S.E.						
Tunbridge Wells ...	-	64	36	bc	b	13.0
Margate ...	-	58	47	b	b	12.9
Ramsgate ...	-	57	45	b	b	12.8
Hastings ...	-	60	44	b	b	13.7
Bexhill-on-Sea ...	-	69	48	b	b	13.6
Eastbourne ...	-	60	43	b	bc. bc	13.0
Seaford ...	-					
Brighton ...	-	61	41	c	c. b	12.9
Worthing ...	-	61	42	b	b	13.5
Littlehampton ...	-	64	43	bc	bc. bc	13.0
Bognor ...	-	60	43	bc	bc	12.1
Southsea ...	-	62	46	b	b	11.5
Bournemouth ...	-	62	40	bc	c	11.0
England, S.W.						
Weymouth ...	-	64	46	bc	bc	10.7
Torquay ...	-	58	50	c. bc	c. c.	5.8
Paignton ...	-	58	52	bc	c. b	3.3
Falmouth ...	-	54	52	c. bc	bc	0.0
Penzance ...	-					
Newquay ...	-	58	46	c. c.	c. bc	0.9
Ilfracombe ...	-	64	50	b	bc. bc	12.2
Weston-super-Mare ...	-	69	44	bc	bc	12.0

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.	Max. on Grass.		Fore- noon.	After- noon.	Night.
Greenwich (Royal Obs.) ...	50	58	14.7	71	43	27	8.6	b	b	b
City (Bunhill Row) ...			13.8							
Westminster (St. James's Pk.)	52	69	13.5	69	48	40	bc	bc	b	b
Camden Sq. (Brit. Rainfall)		55	11.9	72	45	42				
Hampstead (Reservoir) ...		54	13.6	66	45	29				
Richmond Park ...			12.2							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	58	13.8		24.43 Joules	44.0 Milliwatts.	77 Milliwatts.				

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
	mm. &	° F.	° F.	° F.				Hr.
Dublin to 4 p.m.	-	67	45	41	z	z	z	z
Darwen to 9 p.m.								
Manchester "				*				
Birmingham "					*			
Oxford to 8 p.m.	*							*
Teignmouth to 9 "	*	57	51	50	z. zc	bc. bc	c	4.7
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	-	69	45	34	bc. bc. bc.	z	z	*

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

21st & 22nd June 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	5.31	11.54	8.17
Greenwich ...	5.32	11.55	8.18
Wick ...	5.44	12.1	8.19
Valencia ...	5.7	12.13	8.19
	5.36	12.14	8.20
	4.22	12.2	8.2
	4.23	12.43	8.3

## NOTES ON YESTERDAY'S WEATHER.

The day was dull and sunless, with some rain, in Cornwall and Scilly, but over the country generally it was fine, with sunshine ranging up to 14.8 hours at Birr. Temperature touched 73° at Nottingham, but several localities had maxima below 60°.

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 id. at M.O. and at the bookstalls at certain Railway Termini in London.



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 173.

Tuesday,  
22nd June, 1915.

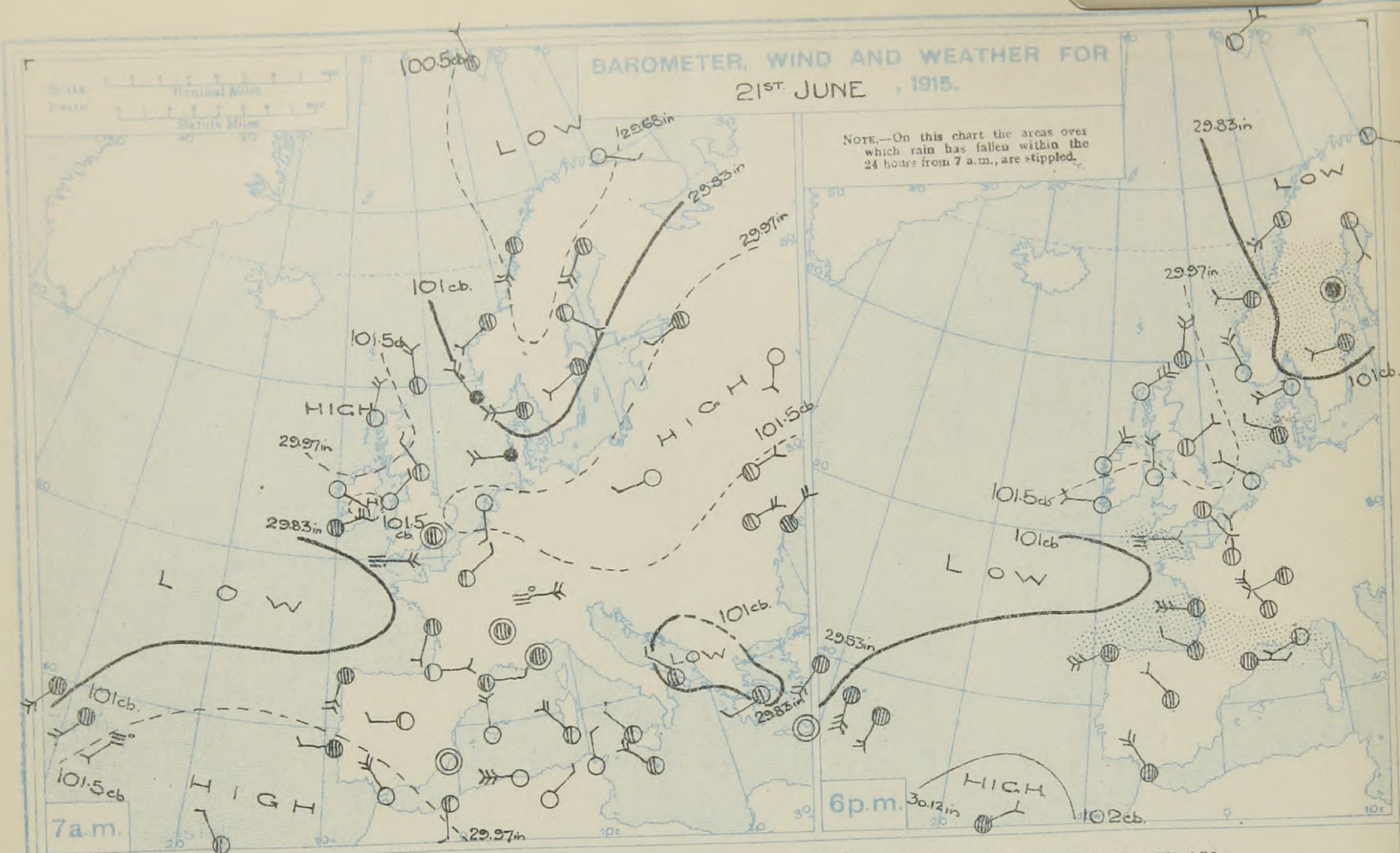
DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	Temp.	Wind.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Wind.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	Temp.		Weather.				
				Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	1017.7	46	N	4	C	1020.1	+0	44	-1	NNE	2	-	C	2	-	49	46	bc	c	C	Hours.	
	Deerness ...	1018.9	47	N	4	C	1021.3	0	47	-2	N	3	NE	ov	1	-	53	42	bc c	c	C.O	6.2	
	Stornoway ...	1019.8	51	NE	5	b	1020.2	0	51	0	ESE	2	-	b	2	-	57	41	b	b	b	15.8	
	Castlebay (Barra Isd.)	1018.1	55	N	3	b	1018.7	0	54	0	S	3	S	bc	3	-	61	46	bc	bc b	bc	15.3	
	Glasgow ...	1015.8	56	NE	5	bc	1020.2	+1	50	-4	NE	3	SW	bc	+	-	70	42	c bcg	bcg	bc bcg	10.3	
	Eskdalemuir ...	1016.7	53	NE	5	C	1020.2	+1	48	-1	ENE	2	W	bc	1	-	65	38	c.ogz	og	c bc	6.5	
	Malin Head ...	1014.0	55	NNE	4	bm	1018.2	0	55	-2	S	1	-	bc	1	-	58	47	b	bcn	bc	14.4	
	Blacksod Point ...	1015.5	61	NNE	4	bc	1016.8	0	54	-3	NNE	3	NE	bc	3	-	67	49	bc	bc	bc	14.4	
	Valencia ...	1013.7	62	W	2	b	1016.5	+2	53	-6	E	1	-	bc	1	-	71	45	c	bc	bc	7	
	Roche's Point ...	1014.6	61	SE	3	b	1016.1	0	55	-2	N	1	-	b	1	-	64	50	bc	bc b	b	14.2	
	Birr Castle ...	1013.8	71	E	1	b	1014.0	0	52	-3	-	0	-	b	2	-	73	43	bc	b	b	14.2	
	Donaghadee ...	1014.7	58	N	3	b	1018.2	+2	53	-3	SE	3	-	bcn	2	-	60	49	bc	bc	bcn	10.8	
	Liverpool (Bidston)	1014.1	62	NNW	2	b	1018.1	+1	53	-3	E	2	-	b	2	-	66	49	bc	b	bcn	10.8	
	Holyhead ...	1014.2	61	N	3	bm	1016.3	+1	56	-1	E	1	-	bm	0	-	68	51	bm	bm	b bc b	12.9	
	Pembroke (St. Ann's)	1014.2	60	N	1	C	1015.6	-2	56	+1	E	1	SE	cgm	1	-	66	53	c	c	c	3.7	
	Scilly (St. Mary's)	1011.4	57	E	2	f	1012.5	+1	55	0	ENE	3	NE	omr	4	7	60	54	f	f	f omr	0.0	
	Falmouth ...	1011.9	56	E	3	m	1013.4	+2	54	0	E	3	-	or	4	21	56	54	dm	dm	or	0.0	
	Jersey (St. Aubin)	1011.8	65	E	3	og	1013.3	0	60	+2	E	3	-	0	3	5	67	56	od.c.o	o.c.og	og r.o	0.9	
	Portland Bill ...	1013.1	57	E	2	bc	1013.5	+1	55	0	ENE	4	-	c	3	-	60	52	c	c	c.0	0.0	
	Dungeness ...	1014.0	59	E	3	b	1016.5	+2	58	0	E	4	E	bc	4	-	65	54	bc	bc	bc.0	0.0	
	Dover ...	1014.0	60	NE	1	bv	1017.3	+1	58	-5	NE	4	NE	0	3	-	68	46	b	bv	bcv.0	14.9	
	Wick ...	1018.8	48	NNE	4	C	1021.3	+1	47	0	NE	2	-	bc	2	-	50	43	cm	0.C	c om bc	0.0	
	Nairn ...	1018.1	54	ENE	3	bv	1020.3	0	51	-2	-	0	-	b	0	-	56	35	c bc	bc	bc.C	15.0	
	Aberdeen ...	1018.5	53	ENE	3	b	1021.4	+1	49	-3	NE	1	-	C	1	-	59	43	c bc	bc b	b bc c	13.2	
	Leith ...	1016.8	57	ENE	3	b	1020.7	+2	51	-3	E	2	E	0	+	-	64	44	og bc	bc b	b	0.0	
Tynemouth ...	1017.4	54	NE	2	bc	1020.3	+2	57	-3	NNE	2	N	bc	3	-	60	44	bcn	bc	bc	0.0		
Spurn Head ...	1015.8	56	ENE	5	bc	1018.8	+4	56	-2	NE	6	-	eg	4	-	62	49	bm	bcg	cg	10.1		
Yarmouth ...	1014.5	60	SE	3	b	1019.2	+2	55	-4	ENE	5	-	bc	3	-	63	53	b	b	b bc	13.5		
Clacton-on-Sea	1014.3	60	E	2	bc	1018.0	+3	56	-3	ENE	4	NE	bc	3	-	63	49	bc	bc	bc.cac	15.0		
Nottingham ...	1013.5	64	NE	4	C	1019.1	0	52	-1	NE	4	-	b	+	-	76	48	bm	bc c	c.0	10.4		
Bath ...	1012.8	70	SE	1	C	1016.4	0	57	+2	E	2	SE	bc	+	-	71	52	0.C	c bc	o.c bc	1.9		
Sth Farnborough	1012.2	72	NE	1	bc	1016.8	+2	51	-5	NE	3	NE	0	+	-	74	46	bc	bc	bc.0	10.8		
London (Kew Obsy.)	1013.0	69	SE	2	cg	1017.6	+2	55	0	E	4	E	cg	+	-	72	49	cm bcg bc	bc bcg cg	cg bcn bcg	8.7		
ICELAND, FAEROE, &c.	Spitsbergen ...	1008.0	87	NE	3	b	1011.3	+5	36	-1	-	0	+	0	+	+	37	25	+	+	+		
	Isafjord ...	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
	Reykjavik ...	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
	Vestmanna ...	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
	Seydisfjord ...	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Thorsbavn ...	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
NORTHERN EUROPE.	Vardö ...	1008.6	46	SE	2	b	1010.9	+1	50	+2	SE	2	-	b	2	+	48	41	+	+	+		
	Bodö ...	1007.8	45	SW	4	bc	1007.4	0	44	+3	S	2	-	0	2	-	46	39	+	+	+		
	Christiansund	1012.0	45	W	3	C	1015.3	+2	43	0	W	4	-	C	3	6	46	39	+	+	+		
	Skudesnaes ..	1013.6	48	NNW	4	b	1016.6	+1	48	+3	NW	4	-	b	1	-	50	41	+	+	+		
	Færder (Xianla Fjord)	1007.7	55	SW	4	C	1012.3	+2	52	+2	NNE	4	-	C	2	-	59	50	+	+	+		
	The Scaw (Skagen)	1010.4	54	WSW	3	b	1011.8	+2	59	+7	W	1	W	b	2	-	59	43	+	+	+		
	Blaavands Huk	1013.7	54	NW	1	0	1016.7	+4	52	0	NNW	2	-	0	3	Trace	59	48	+	+	+		
	Haparanda ...	1009.5	50	S	2	bc	1006.4	0	48	0	SSW	2	-	0	+	4	54	45	+	+	+		
	Hernösand ...	1005.1	45	-	0	+	1011.3	+3	48	-2	W	4	NW	b	+	2	54	43	+	+	+		
	Stockholm ...	1007.7	52	WSW	2	C	1012.6	?	55	+1	WNW	2	SW	b	+	2	55	43	+	+	+		
Wisby ...	1011.1	55	SW	2	bc	1015.0	0	52	-2	W	2	-	C	+	+	59	48	+	+	+			
Karlstad ...	1008.6	50	-	0	C	1013.3	+4	50	+2	-	0	-	C	+	3	59	41	+	+	+			
Petrograd (6 a.m. G.M.T.)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
FRANCE, &c.	The Helder ...	1014.3	59	NW	2	b	1018.4	+2	55	-2	N	3	-	b	2	-	63	54	+	+	+		
	Brussels ...	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
	C. Gris Nez ...	1013.1	60	NE	4	b	1015.9	+2	58	0	ENE	4	+	m	2	-	64	52	+	+	+		
	La Hève ...	1009.0	66	NNE	2	0	1013.0	0	59	0	ENE	2	+	bc	1	-	45	55	+	+	+		
	Ushant ...	1010.6	61	-	0	0	1011.9	0	57	-2	E	1	+	m	3	-	68	52	+	+	+		
	Brest (St. Mathieu)	1016.2	68	W	1	C	1012.3	0	61	0	SE	1	+	r	3	-	78	59	+	+	+		
	Rochefort (Ile d'Aix)	1012.8	68	W	5	C	1014.0	0	63	-1	WSW	2	+	C	+	13	75	61	+	+	+		
	Biarritz ...	1013.5	70	WNW	1	C	1015.9	0	66	-2	N	1	+	0	1	-	75	64	+	+	+		
	Paris ...	1011.4	72	NW	1	0	1014.0	+1	64	+7	-	0	-	0	+	+	79	57	+	+	+		
	Belfort ...	1012.7	68	WSW	2	C	1015.5	0	59	+2	-	0	+	0	+	?	77	55	+	+	+		
Lyons ...	1013.3	64	NNW	3	0	1014.3	0	64	+4	NW	1	+	0	+	+	77	60	+	+	+			
Nice ...	1012.0	68	SW	2	b	1012.7	+1	68	+2	SW	2	+	b	1	Trace	77	57	+	+	+			
Perpignan ...	1011.7	73	E	1	0	1014.1	+1	72	0	WNW	3	-	b	+	8	81	63	+	+	+			
Sanguinaire ...	?	72	SW	2	C	?	0	70	0	E	2	+	C	3	12	79	64	+	+	+			
SOUTHERN EUROPE.	Corunna (7 a.m.)	1014.9	68	WSW	5	0	1018.1	+1	63	-1	WSW	4	-	0	2	5	75	61	+	+	+		
	Madrid (8 a.m.)	1012.0	75	NNW	2	0	1019.3	0	66	0	NNW	1	N	b	+	-	79	57	+	+	+		
	Lisbon (9 a.m.)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
	Gibraltar ...	1018.3	68	NW	4	b	1018.3	0	66	+7	W	3	+	b	2	-	81	65	+	+	+		
	Rome ...	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Malta (8 a.m.)	+	+	+	+	+	1014.9	+2	72	-1	N	4	-	C	1	-	77	68	+	+	+			
	Azores (Horta, 8 a.m.)	1011.7	+	S	5	0	1008.4	+1	64	+1	SSW	4	+	0	3	22	68	59	+	+	+		
	Madeira (Funchal)	1020.2	72	ENE	2	0	1021.1	0	66	-2	E	2	-	b	3	-	73	64	+	+	+		

\* Information for these columns not usually received.

† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.





**FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.**

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

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

**No Warnings Issued.**

Was in Channel and Bay 11

Light to moderate Northerly to Easterly breezes; cloudy to fine; cool to moderate temperature.

North-Easterly to Easterly breezes, fresh at times

locally; cloudy to fine; cool to moderate temperature.

Light variable breezes; cloudy to fine;

moderate temperature.

Light to moderate Easterly breeze; dull, some rain, then fairer; cool to moderate temperature.

Same as Nos 6 to 8a.

Light to moderate Westerly breeze; sea slight to moderate; cloudy to dull, some rain, mist or fog; moderate temperature.

**FURTHER OUTLOOK.**

R. G. K. LEMPFT, Superintendent, Forecast Division.

W. N. SHAW, Director

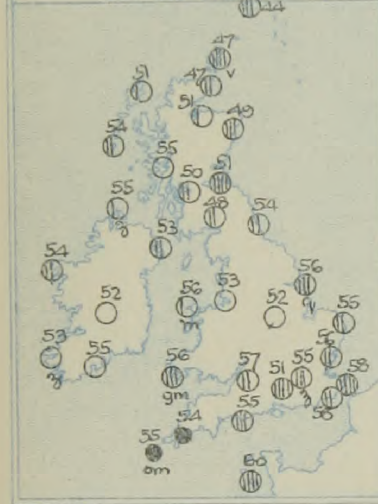


# SYNOPTIC CHART FOR 7 a.m., TUESDAY, 22<sup>ND</sup> JUNE, 1915.

## GENERAL INFERENCE.

A general rise of the barometer is in progress, and there are no indications of an important change in the situation.

### TEMPERATURE, WEATHER AND SEA DISTURBANCE.



## 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.

K, thunderstorm.

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

Inches.  
31

30

29

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 JUNE.

30.12 in HIGH 102 cb

29.97 in

29.83 in

LOW

101 cb.

generally

101.5 cb

29.97 in

60°

101.5 cb

55

53

51

50°

102 cb

30.12 in

29.97 in

50°

43

44

29.97 in

36

29.83 in

50

LOW

101 cb

48

43

40

30



Tuesday, 22<sup>nd</sup> June 1915.

21<sup>st</sup> June

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

### Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
				24 HOURS ENDED 9 A.M. TO-DAY.						
Greenwich (Royal Obs.) ...	%	%	Hr.	* F.	* F.	* F.	mm. §			
City (Bunhill Row) ...	.40	.68	12.0	76	48	32	*	b. bc	b. bc	bm. om.
Westminster (St. James's Pk.)	.38	.67	9.8	73	49	?	-	b	b	bm. b
Camden Sq. (Brit. Rainfall)	.40	.66	9.9	74	47	14.4	-	b. bc	b. b	*
Hampstead (Reservoir) ...	*	.66	11.4	69	44	34	-	bc	bc	bc
Richmond Park	*	*	9.8							
Kew. (See front page.)	*	*	9.8							
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	.37	.61	9.7	Total.		Average Rate.	Max. Rate.			
				Joules		Milliwatts.	Milliwatts.			
				174.2		292	66			

STATIONS.

RAIN-FALL.

TEMPERATURE.

In Screen.

Night Min. on Grass.

Night.

Fore-noon.

After-noon.

Sun-shine for Yesterday.

Dublin to 4 p.m.	mm. §	* F.	* F.	* F.			
Darwen to 9 p.m.	-	74	48	41	bcw	bcw	bc
Manchester	-	73	46	*	o.c. bc	gbc	c.o
Birmingham "							62
Oxford to 8 p.m.	*						*
Teignmouth to 9,	2	60	53	50	cc	c	0.0
Plymouth "							0.0
S. Kensington (Museum Grounds to 8 p.m.)	-	73	49	39	b	bg	bg

## NOTES ON YESTERDAY'S WEATHER.

Temperature exceeded 70° in several localities, and touched 76° at Nottingham, but various stations remained below 60°, Lerwick only 49°. Rain fell in the south-west of England, 21 mm at Falmouth. Sunshine records were large except in the south-west, where the day was dull.

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. and at the bookstalls at certain Railway Termini in London.

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.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 174. 23<sup>rd</sup> June, 1915.

Wednesday

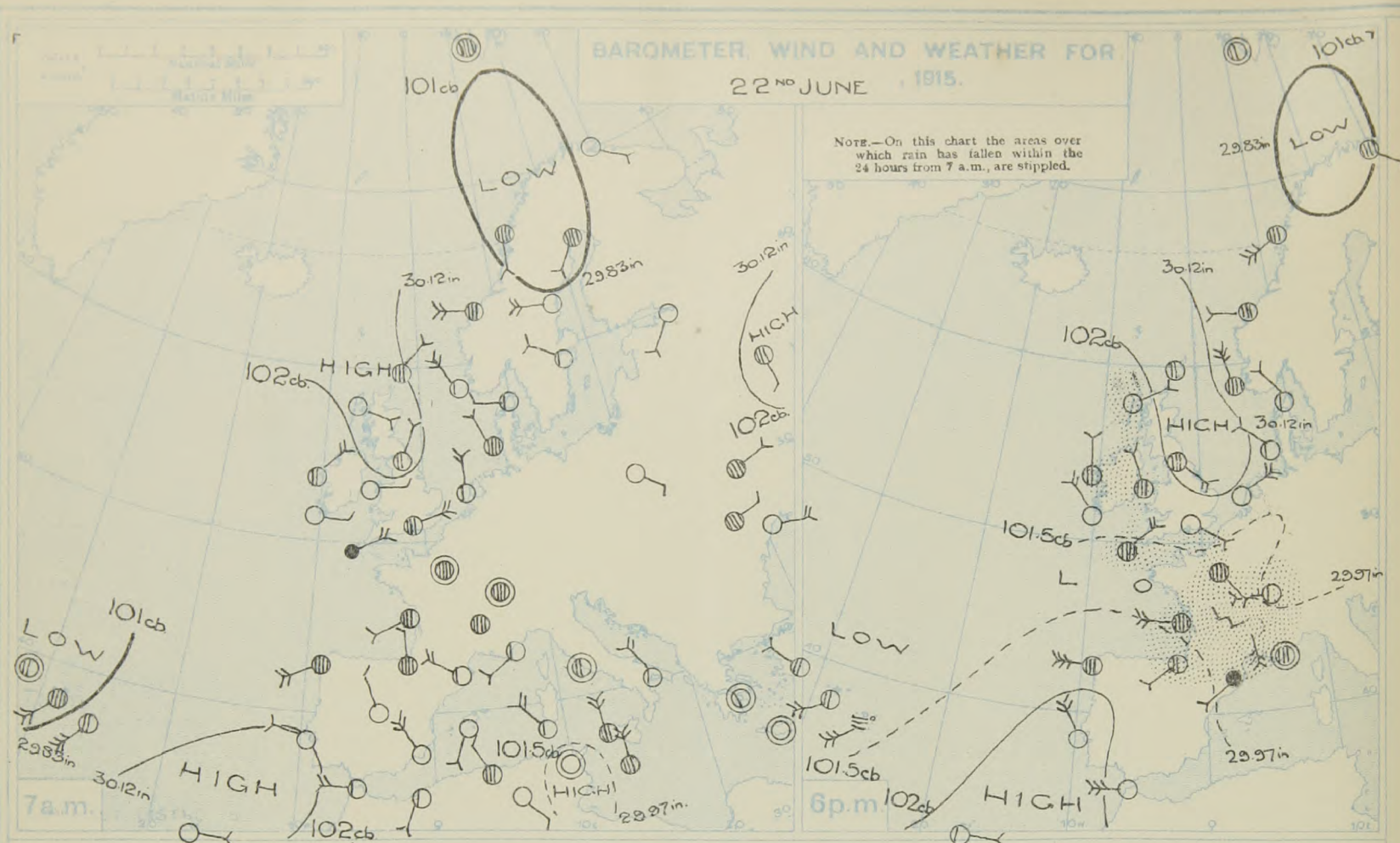
DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	Temp. °F.	Wind. Dir.	Force 0-12.	Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	Temp. °F.	Wind. Dir.	Force 0-12.	Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
																Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1021.4	47	-	0	bc	1021.6	0	45	ENE	2	-	c	2	-	51	42	c	bc	bc	c	Hours.
	Deerness	1021.3	48	E	3	b	1020.3	-1	47	E	4	-	o	2	-	54	44	o.c.bc	bc.b	b.bc.co	b	14.0
	Stornoway	1018.5	55	ENE	2	b	1016.2	-1	52	ESE	4	-	o	3	1	60	49	b	b	o.pq	13.5	
	Castlebay (Barra Isd.)	1016.4	57	WNW	2	c	1014.0	0	52	NE	1	-	o	2	6	59	50	bc	bc	c.brom	13.4	
	Glasgow	1017.4	57	NE	5	c	1016.5	0	48	ENE	3	-	r	-	0.4	62	48	b.bc.c	c	c.acod	11.8	
	Eskdalemuir	1017.9	57	ESE	3	bc	1016.7	0	57	NE	2	-	o	-	-	62	43	bc.c.o	c.bcy	bc.b	6.0	
	Malin Head	1015.9	62	-	0	b	1013.4	-1	53	NNE	2	N	c	2	2	63	57	bc	bc	cmp	14.4	
	Blacksod Point	1016.3	60	N	2	bc	1013.3	-1	52	NNW	3	N	c	2	1	65	49	bc	bc	bc.bcp	-	
	Valencia	1015.4	66	NW	3	b	1013.2	-1	54	N	1	W	m	2	-	68	50	bc	bc	bc.ccm	14	
	Roche's Point	1016.8	63	SE	2	b	1014.5	-1	60	SE	1	-	o	2	-	64	55	bc	bc	b.o	-	
	Birr Castle	1015.3	63	NW	2	o	1013.6	-1	53	S	1	-	o	2	2	75	51	bc	c.bpt	c.b.b	8.3	
	Donaghadee	1016.5	57	SE	3	bc	1013.6	0	52	SE	3	SE	c	2	0.2	59	51	bc	bc	cmp	-	
	Liverpool (Bidston)	1016.3	66	SE	2	o	1016.9	+3	49	ESE	3	SE	o	3	3	70	49	bc	bc	c.or	8.3	
	Holyhead	1016.4	56	NNW	2	o	1016.0	0	56	SE	3	-	o	2	1	68	53	b.bc.cm	c.bc.cm	c.odm	5.3	
	Pembroke (St. Ann's)	1016.3	59	ENE	2	c	1014.1	-1	52	SE	3	SE	o	3	18	65	57	c	c	c	1.7	
	Scilly (St. Mary's)	1014.0	57	NE	3	o	1011.4	-1	55	E	2	-	o	3	2	59	54	bc	bc	o	0.1	
	Falmouth	1014.4	59	NE	3	b	1012.4	-1	55	E	2	-	o	4	4	60	53	bc	bc	o	0.0	
	Jersey (St. Aubin)	1013.6	63	E	3	o	1012.0	-1	57	ENE	2	-	o	1	1	69	56	bc	bc	o	4.3	
	Portland Bill	1015.3	59	E	2	o	1013.5	-1	53	ENE	4	E	c	4	1	61	53	bc	bc	o	-	
	Dungeness	1016.9	57	E	6	bc	1014.0	-1	55	NE	5	-	o	5	0.4	63	54	bc	bc	bc.o	-	
	Dover	1017.5	55	NE	5	bc	1014.6	0	54	NE	5	NE	o	5	0.3	62	50	b.bc.b	b	bc.o	12.8	
Wick	1021.1	48	E	3	b	1019.3	+1	49	ESE	4	E	o	4	-	60	46	bc	bc	bc.cm	-		
	Nairn	1017.2	59	NNE	3	bc	1016.9	0	51	E	1	-	bc	1	-	61	43	bc	bc	bc	14.5	
	Aberdeen	1020.5	53	SE	3	b	1019.0	0	57	ESE	2	SW	b	2	-	58	45	o.c.b	b	b	9.3	
	Leith	1017.7	57	ENE	3	bc	1016.9	+1	52	ESE	1	-	o	-	-	59	50	o.c.b	bc.b	bc.o	-	
	Tynemouth	1020.1	54	SE	3	c	1018.5	0	52	SSE	3	-	bc	3	-	59	48	bc	bc	bc	-	
	Spurn Head	1021.6	58	ESE	5	bc	1018.6	-2	52	ESE	5	-	c	4	-	58	48	bc	bc	bc	12.2	
	Yarmouth	1019.9	55	ENE	6	b	1018.0	0	55	E	6	E	c	4	-	59	51	bc.b	b	bc	14.0	
	Clacton-on-Sea	1018.5	56	NE	5	b	1016.0	0	56	NE	5	NE	bc	4	-	59	52	bc	bc	b.bc.c	13.0	
	Nottingham	1018.5	60	ESE	4	b	1017.8	-1	57	E	2	E	c	-	Trace	65	48	bc	bc	b.bc.o	10.4	
	Bath	1015.1	71	E	1	o	1015.0	-1	53	E	3	SE	o	-	-	74	51	bc.c.o	o.c	c.o	5.2	
Sth Farnborough	1016.5	62	ENE	3	o	1014.4	-1	55	NE	4	-	bc	-	-	72	50	o.b	bc.o	o	9.4		
London (Kew Obsy.)	1017.4	62	ESE	4	b	1015.8	-1	54	ENE	4	E	o	-	-	68	50	bc	bc	b.bc.cm	11.0		
NORTHERN EUROPE.	Spitsbergen	1013.9	37	-	0	bc	1015.9	+2	39	-	0	-	bc	-	-	43	36	-	-	-	-	
	Vardö	1008.7	48	SE	1	o	1008.3	0	50	S	4	-	o	2	-	50	45	-	-	-	-	
	Bodö	1010.9	44	SW	5	c	1013.9	-1	41	SW	4	-	o	2	5	50	37	-	-	-	-	
	Christiansund	1019.4	43	W	2	c	1021.1	+1	43	W	2	-	c	3	3	45	39	-	-	-	-	
	Skudesnaes	1018.3	48	NNW	5	b	1017.2	0	50	NNW	4	N	bc	2	-	50	43	-	-	-	-	
	Færder (X'ania Fjord)	1015.1	55	WSW	2	bc	1018.3	+4	59	S	1	W	bc	1	-	57	52	-	-	-	-	
	The Scaw (Skagen)	1016.0	57	NW	2	b	1018.1	+2	52	SSW	1	-	bc	1	-	61	45	-	-	-	-	
	Blaavands Huk	1019.3	54	NW	2	b	1019.9	+1	52	NW	1	-	c	0	-	55	45	-	-	-	-	
	Haparanda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Hernösand	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
FRANCE, &c.	Stockholm	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Wisby	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Karlstad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Petrograd	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	The Helder	1019.1	57	NE	4	b	1017.6	-1	55	NE	4	-	bc	2	-	59	52	-	-	-	-	
	C. Gris Nez	1016.0	56	NE	6	b	1013.0	0	54	ENE	5	-	bc	4	3	63	52	-	-	-	-	
	La Hève	1013.0	68	NW	3	o	1009.5	-1	59	ENE	3	-	m	2	-	75	46	-	-	-	-	
	Ushant	1014.3	62	NW	2	o	1011.8	-1	59	WSW	3	-	o	3	-	68	55	-	-	-	-	
	Brest (St. Mathieu)	1014.7	61	N	2	o	1013.2	-1	60	SW	2	-	o	2	-	68	59	-	-	-	-	
	Rochefort (lie d'Aix)	1014.6	65	W	4	o	1013.5	0	63	WSW	3	-	o	3	-	72	61	-	-	-	-	
SOUTHERN EUROPE.	Biarritz	1016.7	68	SW	2	bc	1016.7	+1	63	NW	2	-	r	2	5	68	63	-	-	-	-	
	Paris	1013.5	68	SE	2	o	1012.4	0	61	ESE	2	-	o	-	-	74	57	-	-	-	-	
	Belfort	1015.3	62	W	2	o	1015.7	-1	60	W	2	-	c	-	-	70	54	-	-	-	-	
	Lyons	1014.0	?	SSE	?	?	1015.8	-1	60	SW	1	-	o	-	-	72	54	-	-	-	-	
	Nice	1013.3	65	-	0	c	1014.3	0	68	-	0	-	bc	0	Trace	77	59	-	-	-	-	
	Perpignan	1014.4	66	SW	2	r	1015.8	+1	70	NW	2	-	bc	-	-	86	63	-	-	-	-	
	Sanguinaire	?	73	W	1	m	?	-	70	E	1	-	bc	2	-	81	64	-	-	-	-	
	Corunna (7 a.m.)	1019.5	64	W	6	c	1017.9	-2	64	S	2	-	o	1	-	68	61	-	-	-	-	
	Madrid (8 a.m.)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Lisbon (9 a.m.)	1020.7	70	NW	4	b	1019.1	0	64	NW	2	-	c	5	-	75	63	-	-	-	-	
Gibraltar	1019.3	69	W	5	bc	1017.3	-1	68	W	4	-	bc	2	-	81	64	-	-	-	-		
At Benson a velocity of 14 metres per second from East was found in a thin layer at 750 metres.	Rome	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Malta (8 a.m.)	...	...	...	...	...	1015.4	+1	77	SSW	1	-	bc	0	5	77	70	-	-	-	-	
	Azores (Horta, 8 a.m.)	1011.3	...	SW	4	bc																

## 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





FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



**STORM WARNINGS.**

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

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

No Warnings Issued.

Western Channel and Bay (1)

**FURTHER OUTLOOK.**

Moderate to light Easterly and South-Easterly breezes; becoming cloudy to dull, some rain; cool.

Easterly wind, fresh at times, veering South-Easterly later; cloudy to dull, some rain; cool.

Moderate to light Easterly and South-Easterly breezes; cloudy to dull, some rain; cool.

Light variable breezes; cloudy to dull, some rain; cool.

Light to moderate Westerly breezes; sea slight to moderate; cloudy to dull, some rain, mist or fog; moderate temperature.

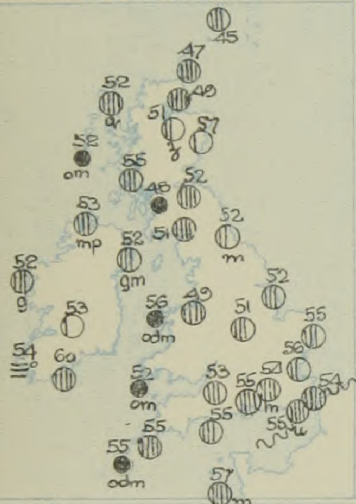


# SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 23<sup>RD</sup> JUNE, 1915.

## GENERAL INFERENCE.

Pressure distribution is undergoing a change, and the conditions are assuming a less settled type.

### TEMPERATURE, WEATHER AND SEA DISTURBANCE.



### EXPLANATION.

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

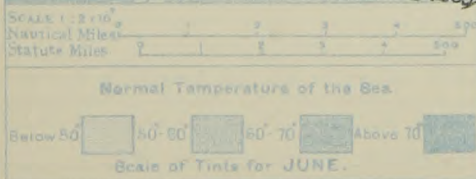
**WIND.**—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm

**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. T, thunderstorm.

**SEA DISTURBANCE.**—Rough High





Wednesday, 23<sup>rd</sup> June 1915.

22<sup>nd</sup> June

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
				24 HOURS ENDED 9 a.m. To-Day.						
				%	%		Hr.			
Greenwich (Royal Obs.) ...	55	77	10.7	68	47	39	-	6	6	bc c
City (Bunhill Row) ...	*	*	10.8	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	55	74	11.7	68	50	?	-	6	6	bc
Camden Sq. (Brit. Rainfall)	49	70	11.9	73	48	45	-	6	6	*
Hampstead (Reservoir) ...	*	64	12.2	66	46	35	-	bc	bc	bc
Richmond Park ...	*	*	10.7							
Kew. (See front page.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Total.		Average Rate.		Max. Rate.		
S. Kensington (Roof of M.O.)	47	66	12.0	2227 Joules		37.4 Milliwatts		72 Milliwatts.		

Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHERS.			Sun- shin- for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
Dublin to 4 p.m.	mm.‡	° F.	° F.	° F.				Hr.
Darwen to 9 p.m.	-	65	52	48	b.w.c	c.m.b	b.w.c	*
Manchester "				8				
Birmingham "	-	64	49	45		c	c	87
Oxford to 8 p.m.	8							8.
Teignmouth to 9,,	-	64	59	52	c	c.c.	b.c.c	86
Plymouth "								
S. Kensington								
(Museum Grounds to 6 p.m.)	-	68	49	46	b.g.b	b.c.b	b.g.b	*

## NOTES ON YESTERDAY'S WEATHER

Afternoon temperature ranged from 50° at Wick to 74° at Bath, and bright sunshine from none at several south-western stations to 14½ hours at Nairn, Malin Head and Valencia. Rain was setting in in the western districts.

23 <sup>rd</sup> 24 <sup>th</sup> Feb. 1915.	Sunrise.	Noon.	Sunset.
Yarmouth ... ..	G.M.T. { 3 22 3 32	G.M.T. 11 55 12 53	G.M.T. 8 19 8 18
Greenwich ... ..	{ 3 45 3 45	12 2 12 2	8 19 8 19
Wick ... ..	{ 3 8 3 8	12 14 12 14	8 20 8 20
Valencia ... ..	{ 4 23 4 23	12 43 12 43	9 3 9 3

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. and at the bookstalls at certain Railway Termini in London.

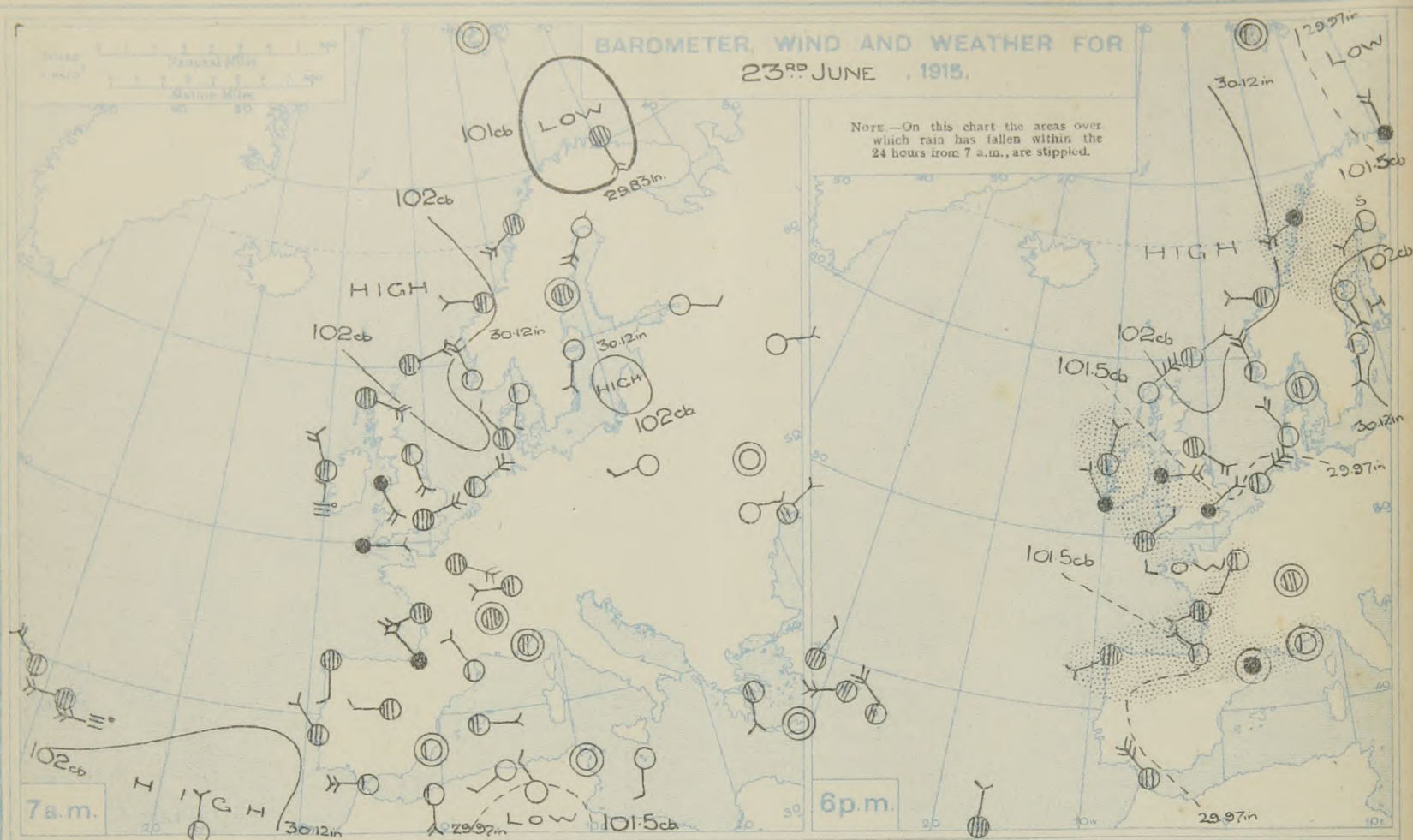


DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 175. Thursday  
24<sup>th</sup> June 1915.

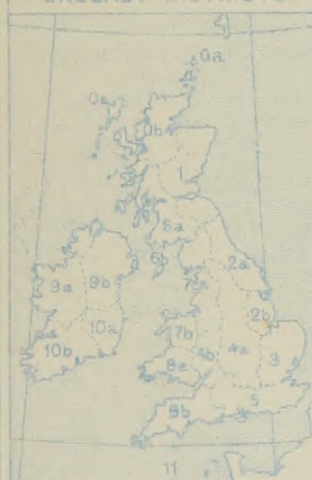
DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.	
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 24 hours.	Temp. °F.	Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	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	1021.6	49	NE	2	bc	1023.2	0	45	0	NE	4	-	0	3	-	49	42	c	bc	c.o	Hours.	
	Deerness	1021.3	49	E	4	c	1023.3	*	46	-1	ENE	4	-	0	3	-	53	45	oc bc	bcc	c.o	5.3	
	Stornoway	1016.5	58	E	5	b2	1020.4	+2	53	+1	E	5	-	bcq	4	-	61	49	oc	bc	bc	4.7	
	Castlebay (Barra Isd.)	1015.7	54	SE	4	om	1018.3	+2	54	+2	E	3	-	0	3	6	55	51	om	or om	om	0.0	
	Glasgow	1016.9	52	NE	3	0	1019.3	+2	49	+1	E	2	-	0	*	-	54	47	og	og	og	0.0	
	Eskdalemuir	1016.9	53	ESE	2	ogm	1019.1	0	46	+5	NE	5	-	0	*	-	58	40	0	o.ogm	o	0.6	
	Malin Head	1013.5	54	ESE	3	om	1016.2	+2	55	+2	SE	4	-	om	3	14	54	54	em	om	om	0.0	
	Blacksod Point	1012.2	57	NNE	2	bc	1012.9	0	58	+6	SE	2	-	or	1	2	58	50	cp	bc	bc or	*	
	Valencia	1012.1	56	NW	2	r	1012.0	0	53	+1	E	1	SE	0	2	1	63	50	c.og	or d	bc or	0.2	
	Roche's Point	1013.5	58	SSE	1	0	1013.5	*	57	+3	ENE	2	-	0	2	0.1	64	54	c.c	c.og	om	*	
	Birr Castle	1012.9	57	-	0	r	1013.4	*	54	+1	E	1	-	r	*	2	66	51	c	bc	d. ro	1.7	
	Donaghadee	1014.7	53	SSE	3	ogm	1016.8	+2	50	-2	SE	3	SE	ogm	2	1	56	49	ogm	ogm	ogm	0.0	
	Liverpool (Bidston)	1014.9	56	E	1	r	1016.5	+1	47	-2	ENE	2	E	r	2	2	58	47	oc	o	or	0.0	
	Holyhead	1014.3	53	E	4	om	1014.4	+1	52	-4	E	5	E	cm	4	13	58	50	oc. om	oc. om	oc. om	0.0	
	Pembroke (St. Ann's)	1013.2	54	ESE	3	r	1013.0	+1	51	-1	ESE	2	E	0	3	2.6	54	50	om	om	om	0.0	
	Scilly (St. Mary's)	1011.0	57	NE	1	om	1010.3	0	55	0	E	2	-	om	3	1	60	54	om	om	om	0.0	
	Falmouth	1011.0	55	ENE	2	m	1010.3	+1	54	-1	ENE	4	-	dm	4	3	57	52	o	ocm	dm dm	0.0	
	Jersey (St. Aubin)	1011.4	61	W	2	om	1012.1	*	59	+2	ESE	2	-	om	1	0.2	67	57	oc. c	c. om	om	0.9	
	Portland Bill	1012.4	57	ESE	3	bc	1012.5	*	54	-1	E	4	-	c	3	-	60	53	c	bc	c.o	*	
	Dungeness	1012.6	56	NE	5	om	1012.8	+1	55	0	NE	3	-	0	3	-	60	53	o.c	c.o	c.o	*	
	Dover	1012.5	54	NE	6	c	1012.5	+1	55	+1	N	4	-	og	3	-	61	52	o.c	bc. oc	c. oc	2.5	
	Wick	1020.5	49	ESE	4	0	1022.6	+2	47	-2	ENE	4	-	0	4	-	50	46	og	og	og	*	
	Nairn	1017.2	57	SE	1	og	1021.2	*	47	-4	E	3	-	cg	2	-	63	47	bc	cg	cg	2.5	
	Aberdeen	1019.7	53	ESE	4	0	1021.6	+1	50	-7	NE	4	-	0	2	-	61	49	bc. o	o	o	4.4	
	Leith	1016.6	59	ENE	2	0	1019.7	+2	51	-1	ENE	3	E	0	*	-	59	48	og	og	o	*	
	Tynemouth	1018.1	53	SE	3	bc	1018.8	0	51	-1	ENE	3	-	0	4	-	58	50	bc	bc	og	*	
	Spurn Head	1017.5	53	E	5	c	1015.5	-2	53	+1	E	6	-	og	5	-	59	48	bc	bc	cg	7.1	
	Yarmouth	1016.8	54	E	7	c	1013.6	0	53	-2	NNE	6	-	om	4	-	59	53	c. bc	bc. c	c. o	9.4	
	Clacton-on-Sea	1014.4	55	NNE	5	0	1014.0	0	55	-1	N	3	-	og	2	1	58	52	bc. oc	oc. bc	og	4.4	
	Nottingham	1015.8	57	E	4	c	1015.9	*	50	-1	NE	4	NE	0	*	1	63	49	oc. bc	bc. c	oc. o	5.5	
	Bath	1012.3	66	SE	4	bc	1013.9	*	57	-2	E	3	E	0	*	-	70	50	oc	oc. bc	og	4.7	
	Sth Farnborough	1013.2	55	NE	3	0	1013.6	+1	49	-6	NNE	1	-	r	*	-	62	49	bc. o	o	od	1.5	
	London (Kew Obsy.)	1013.8	56	NE	2	om	1014.0	+1	51	-3	NE	3	-	ome	*	Trace	60	51	om. bc	om. om	om. om	1.2	
NORTHERN EUROPE.	Spitsbergen	1019.9	36	-	0	b	1022.7	-1	37	-2	W	1	*	0	*	*	43	34					
	Vardö	1013.2	45	N	3	r	1015.1	0	48	-2	W	5	-	bc	3	*	50	43					
	Bodö	1019.5	39	SW	4	r	1022.4	+2	45	+4	S	1	NW	c	1	6	48	39					
	Christiansund	1022.3	46	W	2	c	1024.6	+2	43	0	NE	3	N	b	3	-	48	43					
	Skudesnaes	1016.8	52	NNW	4	b	1018.9	0	52	+2	ESE	2	-	b	2	-	55	41					
	Færder (Niania Fjord)	1018.6	55	SSW	1	bc	1019.7	0	54	-2	SW	1	-	bc	1	-	59	54					
	The Scaw (Skagen)	1018.6	57	-	0	bc	1019.3	0	59	+7	S	1	-	bc	2	-	59	50					
	Blaavands Huk	1019.9	54	NW	3	b	1015.5	+1	52	0	E	3	-	0	3	1	55	43					
	Haparanda	1018.0	64	SW	2	b	1021.7	+2	52	+4	S	2	-	0	*	-	57	39					
	Hernösand	1021.0	52	SSE	2	b	1021.2	0	45	0	-	0	-	0	*	6	54	41					
FRANCE, &c.	Stockholm	1018.9	59	S	2	b	1019.1	-1	61	+4	S	2	-	b	*	-	64	50					
	Wisby	1021.5	55	-	0	b	1021.6	0	52	+2	N	2	-	b	*	-	59	43					
	Karlstad	1017.6	70	-	0	b	1019.3	+1	59	+2	-	0	-	b	*	-	72	48					
	Petrograd (5 a.m. G.M.T.)																						
	The Helder	1013.9	57	NE	6	bc	1011.9	0	63	+8	NE	2	-	bc	1	-	63	54					
	C. Gris Nez	1011.8	55	NE	6	0	1012.2	+2	55	+1	NNE	3	*	0	3	-	59	53					
	La Hève	1009.2	66	NE	1	0	1012.0	*	61	+2	WSW	1	*	c	1	-	77	57					
	Ushant	1011.7	61	W	2	0	1011.0	*	59	0	SW	2	*	c	3	-	64	54					
	Brest (St. Mathieu)	1012.5	61	WSW	2	0	1012.2	0	60	0	S	1	*	m	1	-	68	57					
	Roche fort (Ile d'Aix)	1013.9	64	WSW	2	c	1012.7	0	64	+1	SW	1	*	0	*	2	72	61					
SOUTHERN EUROPE.	Biarritz	1015.0	64	NW	2	b	1012.2	-1	62	-1	E	2	*	0	1	14	72	59					
	Paris	1010.6	67	SSW	2	bc	1013.6	+2	65	+4	SSW	2	W	0	*	16	72	57					
	Belfort	1014.4	66	-	0	c	1016.7	*	59	-1	-	0	*	c	*	?	68	61					
	Lyons																						
	Nice	1013.9	68	-	0	b	1016.0	+2	67	-1	-	0	*	c	0	1	73	57					
	Perpignan	1014.7	66	-	0	r	1013.7	?	70	0	-	0	-	b	*	Trace	82	59					
	Sanguinaire	?	73	W	2	m	?	*	73	+3	E	2	*	c	3	-	81	64					
	Corunna (7 a.m.)	1016.3	66	WSW	3	0	1010.7	-2	59	-5	S	1	-	r	1	16	70	59					
	Madrid (8 a.m.)																						
	Lisbon (9 a.m.)																						
SOUTHERN EUROPE.	Gibraltar	1015.6	71	NW	5	c	1014.2	*	68	0	W	4	*	c	3	-	81	65					
	Rome																						
	Malta (8 a.m.)																						
	Azores (Horta, 8 a.m.)	1018.4	*	WSW	4	c	1018.7	0	64	+1	S	4	*	0	3	1	70	63					
	Madeira (Funchal)	1019.4	73	N	2	0	1019.5	+1	68	+2	N	3	-	bc	3	-	75	66					

RAINFALL.			
Equivalents of Millimeters.			
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





#### FORECAST DISTRICTS.



#### STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay 11

- |    |   |   |  |
|----|---|---|--|
| 0  | a | } | Light to moderate Easterly breeze; dull to fair, some showers; cool.   |
| 1  | b |   |  |
| 2  | a | } | Wind between East and North, fresh at times; dull to fair, some showers; cool.   |
| 3  | b |   |  |
| 4  | a | } | Same as Nos 0 and 1  |
| 5  | b |   |  |
| 6  | a | } | Light to moderate Southerly to Westerly breezes; sea slight to moderate; cloudy to dull, some rain, mist or fog; moderate temperature. |
| 7  | b |   |  |
| 8  | a | } |  |
| 9  | b |   |  |
| 10 | a | } |  |
| 11 | b |   |  |

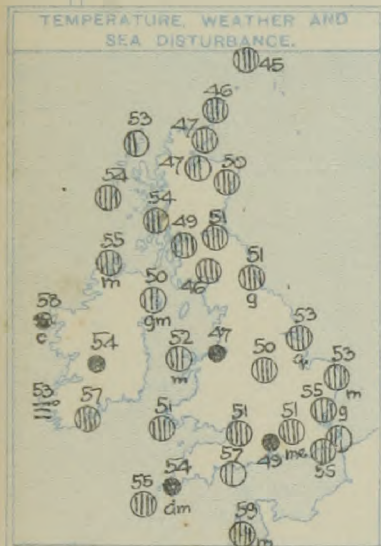
#### FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 a.m., THURSDAY 24<sup>TH</sup> JUNE, 1915.

## GENERAL INFERENCE.

Pressure shows a slight upward tendency, and the general situation is not expected to undergo any marked change.



## EXPLANATION.

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

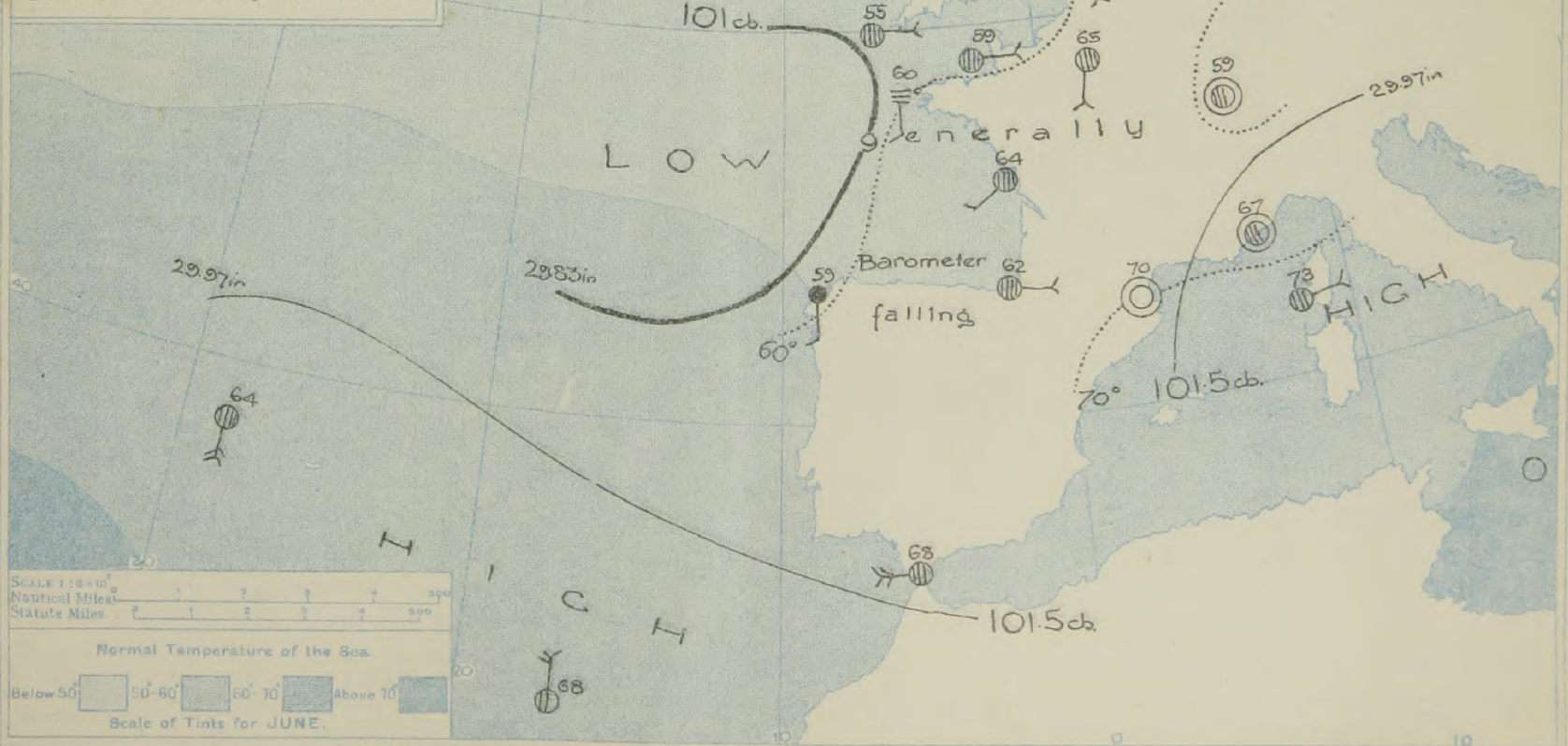
**WIND.**—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm.

**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. T, thunderstorm.

**SEA DISTURBANCE.**—Rough. High.





## DAILY WEATHER REPORT.

Thursday 2nd June 1915.

REPORTS  FOR  YESTERDAY.   23rd June	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain- fall. Milli- metres.	TEMP.	
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Max.		Min.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.							
		° F.					° F.	° F.											
	Haparanda	1010.1	50	SSW	4	bc	1014.0	+2	48	0	SW	6	-	bc	*	-	34 43		
	Hernösand	1015.1	50	S	4	bc	1019.9	+2	45	-3	-	0	-	0	*	Trace	57 43		
	Stockholm	1014.9	55	SW	2	bc	1017.3	+1	57	+2	SSW	2	-	bc	*	-	61 45		
	Wisby	1016.2	52	ESE	2	c	1020.0	+4	50	+2	-	0	SW	f	*	7	55 46		
	Härnäs	1015.1	63	S	2	bc	1018.4	+1	57	+7	S	2	-	bc	*	-	66 41		
	Petrograd	1018.1	77	NW	2	bc	1018.0	0	62	+5	SE	3	-	bc	*	-	64 52		
	Madrid.	1013.7	77	W	1	bc	1016.0	-1	68	+2	W	1	W	c	*	-	79 54		

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
	mm. §	° F.	° F.			Hr.		mm. §	° F.	° F.			Hr.
Scotland.	{ Oban ... ..	4	66	52	cg	0	{ Tunbridge Wells ... ..	-	58	49	c. 0	0	06
	{ Banff ... ..	-	57	45	0 c	0	{ Margate ... ..	0.3	56	53	0 p	c	0
	{ Carnoustie ... ..	-	56	49	0 c g	0	{ Ramsgate ... ..	-	56	51	0 d. c	c. 0	05
	{ St. Andrews ... ..	-	54	49	*	*	{ Hastings ... ..	-	62	50	0. c	c	08
Eng. N.E.	{ Harrogate ... ..	-	59	43	0 c	7 c. c. 0	{ Bexhill-on-Sea ... ..	-	64	50	0 c. f	7 c. 0	18
	{ Skegness ... ..	-	59	52	7 c. 0	7 c. 0	{ Eastbourne ... ..	0.3	63	51	0	0	00
							{ Seaford ... ..	0.3	62	50	0. r	0	01
							{ Brighton ... ..	-	61	52	0	c. 0	06
Eng. N.W.	{ Morecambe ... ..	9	59	49	0	0	{ Worthing ... ..	-	61	53	0. c	0	01
	{ Blackpool ... ..	4	57	48	0 c g	0 c. 0	{ Littlehampton ... ..	-	?	56	0	0	03
	{ Southport ... ..	5	56	48	0 c. 0	0 c	{ Bognor ... ..	-	60	53	0	0	00
							{ Southsea ... ..	-	64	54	c. f	c	00
Midlands.	{ Buxton ... ..						{ Bournemouth ... ..	-	64	51	0	0	22
	{ Leamington Spa ... ..		68	49	c	7 c. c							
	{ Malvern ... ..	0.2	69	49	0 c. f	7 c							
	{ Ross-on-Wye ... ..	Trace	69	50	0. c	c							
Wales.	{ Rhyl ... ..	11	56	49	p	p	{ Weymouth ... ..	1	63	53	c. f	7 c g	23
	{ Colwyn Bay ... ..	14	54	50	r	r	{ Torquay ... ..	1	59	53	0	0 g	02
	{ Llandudno ... ..	12	62	52	r	r	{ Paignton ... ..						
	{ Aberystwyth ... ..	5	54	54	0 c	r. 0	{ Falmouth ... ..	0.3	54	54	0	0 d. m	00
	{ Tenby ... ..	11	55	53	7 c. 0	7 c. 0 c	{ Penzance ... ..	-	58	55	0	0 g	00
England, E.	{ Cromer ... ..	-	61	50	7 c	7 c. r	{ Newquay ... ..	-	58	54	0	0 m	00
	{ Lowestoft ... ..	-	58	51	7 c	7 c. c	{ Ilfracombe ... ..	-	61	51	0	0	00
	{ Felixstowe ... ..	-	54	54	0	c	{ Weston-super-Mare ... ..						
	{ Walton-on-Naze ... ..	-	55	52	0. c	c. f. c							
	{ Southend-on-Sea ... ..	-	58	51	c. 0	d. c. 0							

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
				24 HOURS ENDED 9 A.M. TO-DAY.						
Greenwich (Royal Obs.) ...	% 68	% 97	Hr. 0.1	° F. 60	° F. 50	° F. 49	mm. § 3	0	0	0.0
City (Bunhill Row) ...	*	*	0.1	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	75	94	0.6	60	51	50	2	0	0	0.2
Camden Sq. (Brit. Rainfall)	73	94	0.6	61	51	52	2	0	0.0	*
Hampstead (Reservoir) ...	*	93	2.1	59	47	40	2	0.0	0.0	0.0
Richmond Park ...	*	*	0.7							
Kew. (See front page.)										
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										
				Total.		Average Rate.		Max. Rate.		
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				773 Joules		13.0 Milliwatts.		56 Milliwatts.		
S. Kensington (Roof of M.O.)	67	90	0.8							

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
	mm. §	° P.	° F.	° F.				Hr.
Dublin to 4 p.m.	-	65	55	51	bc	o. c	c. b	*
Darwen to 9 p.m.	3	54	47	48	bc o	og. r	o. ugr	-
Manchester "	1	62	51	46	oc	r. o c	c	o o
Birmingham "	-	66	48	46		o	c. b c. b	4:1
Oxford to 8 p.m.	-							
Teignmouth to 9,,	3	60	52	50	c. r	o	o. c	o o
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	1	61	50	47	b	bc. co	oc. co	*

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

24-25 June 1915.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.32	G.M.T. 11.55	G.M.T. 8.18
Greenwich ...	3.32	11.55	8.18
Wick ...	3.45	12.2	8.19
Valencia ...	3.8	12.14	9.20
	4.23	12.43	9.3

## NOTES ON YESTERDAY'S WEATHER.

Temperature touched 70° at Bath but in most places the day was cold, with maxima below 60°, only 49° at Lerwick. Rain fell in various districts, slight generally but 26 mm at Pembroke. As a rule there was little or no sunshine, but Yarmouth registered 9½ hours.

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. and at the bookstalls at certain Railway Termini in London.



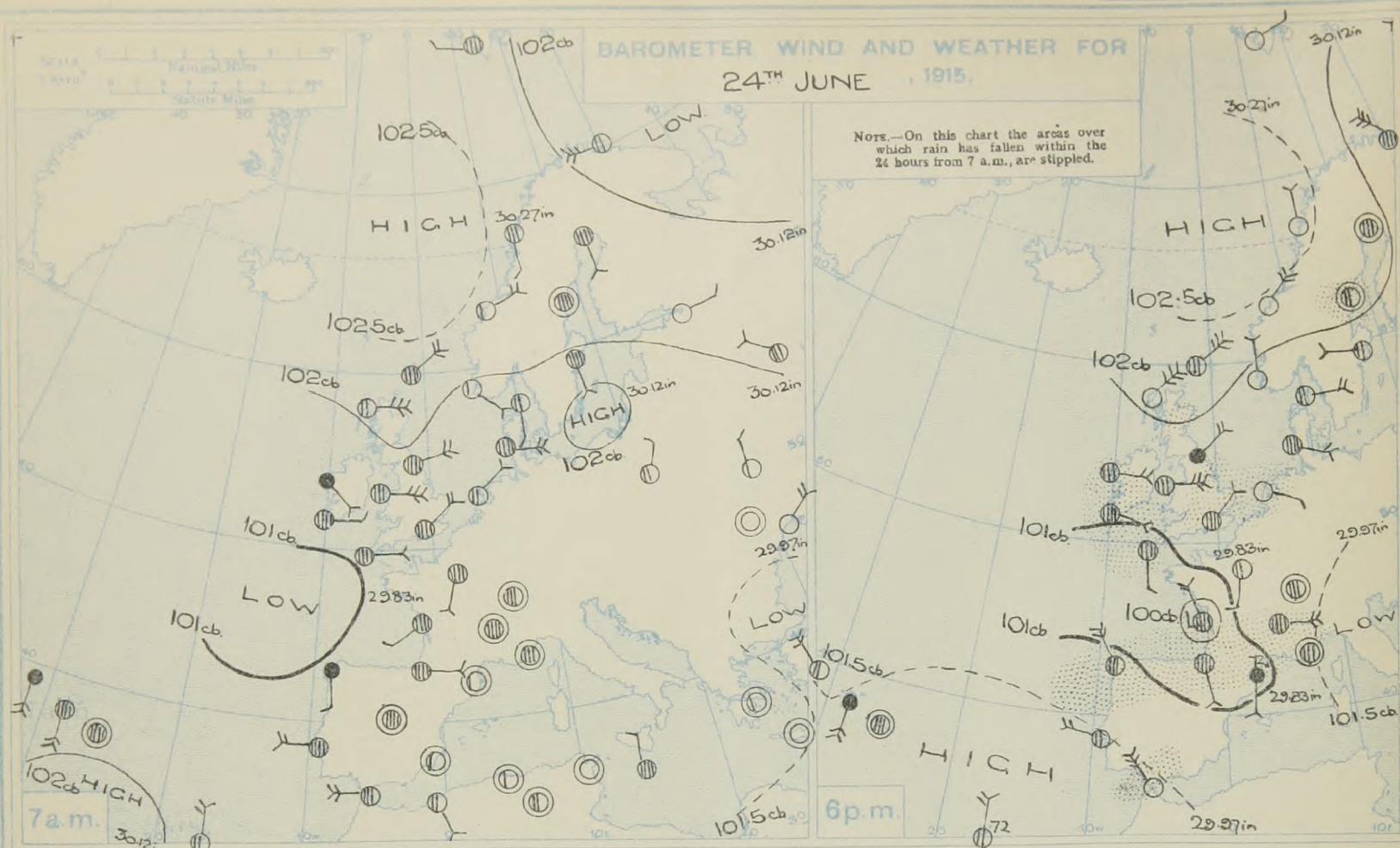
# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 176. Friday, 25th June 1915.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1022.8	48	NE	5	c	1021.4	0	48	+3	NE	5	-	o	4	-	49	44	o	o	o	Hours.
	Deerness	1022.7	48	NE	4	o	1020.6	-	48	+2	ENE	4	-	og	3	-	50	46	o	o	o	0.0
	Stornoway	1020.8	53	NE	6	b	1020.3	-1	48	-5	E	5	-	o	4	-	57	45	bcg	bg	c.o	8.1
	Castlebay (Barra Isd.)	1018.3	55	NW	2	o	1017.8	0	52	-2	E	3	N	o	3	-	57	49	o	o	c.o	1.0
	Glasgow	1018.6	51	E	4	o	1017.5	-1	46	-3	ENE	3	-	o	-	-	56	46	o	c.o	o	1.9
	Eskdalemuir	1017.6	48	NE	5	o	1016.1	-1	47	+1	NE	5	-	ogd	-	Trace	52	45	o	o	o	0.3
	Malin Head	1017.3	52	E	4	cmg	1016.5	-1	49	-6	ENE	3	E	bcg	3	-	55	48	cg	bcmg	cg	2.2
	Blacksod Point	1014.0	56	ESE	3	cm	1014.8	0	51	-7	ENE	3	E	cm	3	1	60	49	og	cm	cm	0.0
	Valencia	1010.8	58	ESE	2	o	1010.0	+2	55	+2	ENE	4	E	o	2	5	58	52	or	or	or	0.0
	Roche's Point	1012.6	55	ENE	4	o	1012.0	-	55	-2	ENE	3	-	+	3	8	60	53	op	op	or	-
	Birr Castle	1013.5	55	E	2	o	1013.1	-	52	-2	NE	2	-	m	-	0.4	60	51	or	oro	f	1.0
	Donaghadee	1015.7	55	NE	3	bcn	1015.1	0	49	-1	NE	3	-	ogm	3	-	56	49	cg	cgmp	bcn	-
	Liverpool (Bidston)	1014.3	55	ENE	3	c	1014.1	0	52	+5	ENE	2	E	o	2	-	59	47	c.c	c.o	o	2.9
	Holyhead	1013.6	58	E	5	cm	1013.3	-1	54	+2	E	4	-	bcn	3	-	60	50	c.o	old c	o	2.7
	Pembroke (St. Ann's)	1012.4	56	ESE	3	o	1012.4	-1	55	+4	ENE	3	E	cm	3	-	57	50	o	og	og	0.0
	Scilly (St. Mary's)	1009.3	59	SSE	1	orm	1008.1	0	57	+2	SE	2	SE	cm	3	11	60	54	f	om	m from	0.0
	Falmouth	1010.6	55	E	4	m	1010.3	+2	54	0	-	4	-	m	4	5	56	53	om	om	om	0.0
	Jersey (St. Aubin)	1010.1	63	E	2	c	1010.0	-	58	-1	E	2	S	og	2	-	69	56	ob	bc	c.og	8.3
	Portland Bill	1011.9	57	ESE	3	bc	1011.6	0	55	+1	ENE	4	NE	o	3	-	58	53	c.bc	bc	bc.c.o	-
	Dungeness	1012.4	59	NE	2	o	1012.6	0	57	+2	NE	4	-	o	4	-	61	54	c.c	c.o	o	0.0
	Dover	1012.7	54	NNE	3	o	1012.1	0	55	0	N	5	-	og	3	-	60	53	o	o	o	0.0
	Wick	1022.5	47	NE	4	o	1020.2	-2	48	+1	ENE	4	-	o	4	-	49	46	o	o	omg	1.2
	Nairn	1021.3	50	E	3	c	1019.7	-	47	0	E	1	-	or	2	1	54	46	c.bcg	bc.c	odg	0.0
	Aberdeen	1020.5	50	NE	4	o	1018.3	-1	49	-1	NNW	3	-	o	2	1	54	48	o	o	ob	0.0
	Leith	1018.2	54	ENE	3	o	1017.4	0	50	-1	NE	3	NE	o	-	-	53	48	o	o	o	-
	Tynemouth	1017.1	51	NE	3	cgr	1016.4	-1	53	+2	N	3	-	ogm	4	-	53	50	c	c	ogm	-
	Spurn Head	1013.9	50	NE	7	o	1014.4	0	53	0	NNE	4	-	om	4	1	57	49	og	og	odg	0.0
Yarmouth	1013.1	56	M	4	om	1013.6	+2	55	+2	N	2	-	omd	1	-	60	53	om	om	o	0.0	
Clacton-on-Sea	1012.9	57	ESE	1	ogm	1013.0	0	57	+2	NNE	2	NE	C	1	-	59	53	og	ogm	ogme	0.0	
Nottingham	1015.1	52	NE	3	o	1014.1	-	52	+2	NE	2	NE	o	-	Trace	53	50	ob	o	o	0.0	
Bath	1012.8	57	E	3	o	1012.5	-	55	+4	E	1	E	o	-	0.1	60	51	og	og	og	0.0	
Sth Farnborough	1012.3	57	N	2	o	1011.9	0	54	+5	W	2	SW	o	-	1	59	49	b.o	o	o	0.0	
London (Kew Obsy.)	1012.7	57	NNE	2	oe	1012.8	0	55	+4	NE	3	-	om	-	Trace	58	53	ome and b	op de	omd am	0.0	
NORTHERN EUROPE.	Spitsbergen	1023.1	39	NE	1	b	1023.4	+3	39	+2	-	0	-	o	-	-	39	34	-	-	-	-
	Vardö	1017.2	40	NW	6	o	1021.5	+3	43	-5	NNW	7	-	o	-	-	52	41	-	-	-	-
	Bodö	1027.0	46	N	2	b	1029.5	0	45	0	N	2	-	o	2	-	46	37	-	-	-	-
	Christiansund	1024.8	48	NE	4	b	1023.4	0	52	+9	NE	3	-	b	4	-	52	45	-	-	-	-
	Skudesnaes	1017.9	61	N	2	b	1019.8	+1	61	+9	E	2	-	o	2	-	61	50	-	-	-	-
	Færder (K'ania Fjord)	1019.7	61	-	0	b	1023.9	+1	57	0	NE	4	-	bc	1	-	61	55	-	-	-	-
	The Scaw (Skagen)	1018.3	61	ENE	1	bc	1021.5	+3	59	0	E	3	-	o	3	-	63	54	-	-	-	-
	Blaavands Huk	1014.4	72	ESE	3	o	1015.1	0	63	+11	ESE	3	-	o	2	-	75	50	-	-	-	-
	Haparanda	1020.4	46	-	0	o	1021.3	0	50	-2	NNW	6	N	b	0	-	55	43	-	-	-	-
	Hernösand	1021.6	52	-	0	bc	?	+1	55	+10	?	7	-	b	-	Trace	55	39	-	-	-	-
Stockholm	1018.6	66	W	2	bc	1024.7	+3	55	-6	NNE	2	-	b	-	-	68	45	-	-	-	-	
Wisby	1019.4	61	-	0	b	1024.6	+4	59	+7	NE	4	N	b	-	-	63	48	-	-	-	-	
Karlstad	1018.9	68	S	W	b	1024.7	+4	57	-2	E	4	-	b	-	-	70	48	-	-	-	-	
Petrograd (8 a.m. G.M.T.)	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	
FRANCE, &c.	The Helder	1011.8	66	SE	1	b	1013.2	+2	64	+1	ESE	1	-	b	1	Trace	68	55	-	-	-	-
	C. Gris Nez	1011.7	59	NNE	4	m	1011.1	+1	55	0	NE	5	-	o	4	-	64	54	-	-	-	-
	La Hève	?	63	ENE	2	b	?	-	61	0	NE	2	-	f	2	-	70	54	-	-	-	-
	Ushant	1011.7	61	W	4	c	1009.0	-	59	0	WSW	3	-	c	3	-	72	54	-	-	-	-
	Brest (St. Mathieu)	1010.3	66	NNW	1	b	1010.9	+1	59	-1	SW	2	-	bc	1	-	77	57	-	-	-	-
	Rochefort (Ile d'Aix)	995.3	66	NNW	3	o	997.3	-	64	0	NW	4	-	c	-	10	77	61	-	-	-	-
	Biarritz	1007.4	64	SSE	2	o	1013.1	+3	61	-1	SW	4	-	+	1	45	66	61	-	-	-	-
	Paris	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
	Belfort	1012.7	70	-	0	c	1013.6	-	59	0	W	4	-	r	-	-	?	?	-	-	-	-
	Lyons	1012.0	64	E	4	o	1012.6	-	59	-4	SE	1	-	o	-	26	80	58	-	-	-	-
Nice	1015.0	66	-	0	c	1012.6	+1	64	-3	E	2	-	c	1	1	77	59	-	-	-	-	
Perpignan	1009.2	68	S	2	l+r	1011.8	+3	68	-2	WNW	2	-	o	-	11	79	53	-	-	-	-	
Sanguinaire	?	74	NNW	2	c	?	-	75	+2	SE	3	-	o	3	-	82	68	-	-	-	-	
SOUTHERN EUROPE.	Corunna (7 a.m.)	1011.0	64	NNW	4	c	1016.6	+2	64	+5	WSW	3	-	c	1	1	66	59	-	-	-	-
	Madrid (8 a.m.)	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
	Lisbon (9 a.m.)	1015.5	72	WNW	3	bc	1016.6	+2	64	-4	-	0	-	o	-	-	73	63	-	-	-	-
	Gibraltar	1015.2	68	NW	5	b	1014.9	-	68	0	W	4	-	c	2	-	78	65	-	-	-	-
	Rome	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
	Malta (8 a.m.)	?	?	?	?	?	1018.3	+2	75	0	E	1	-	b	0	-	82	70	-	-	-	-
Azores (Horta, 8 a.m.)	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	
Madeira (Funchal)	1019.0	72	N	3	bc	1019.5	0	66	-2	N	1	-	b	1	-</							

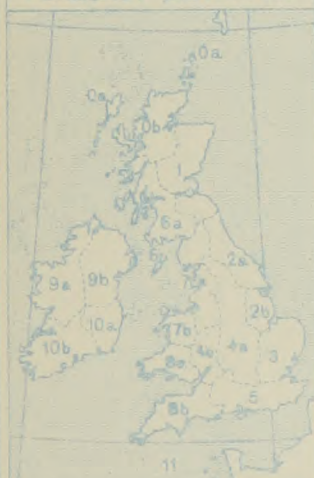
## RAINFALL. Equivalents of Millimetres. in Inches.

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





#### FORECAST DISTRICTS.



#### STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay 11

#### FURTHER OUTLOOK

R. G. K. LEMPFFERT, Superintendent, Forecast Division

W. N. SHAW, Director

Easterly to North-Easterly breezes, moderate to light;

dull to fair, some showers and mist; continuing cool.

Light to moderate South-Westerly breeze; sea slight to moderate; fair to dull, some rain mist or fog; moderate temperature.

Millibars

1050

1040

1030

1020

1010

1000

990

980

970

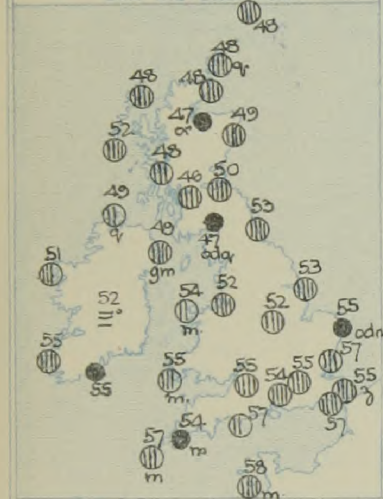


# SYNOPTIC CHART FOR 7 a.m., FRIDAY, 25<sup>TH</sup> JUNE, 1915.

## GENERAL INFERENCE.

No important change in the present conditions is indicated.

### TEMPERATURE, WEATHER AND SEA DISTURBANCE.



## 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.  $\Delta$  hail.  $\equiv$  fog.  $\equiv$  mist. T, thunder.  
 K, thunderstorm.  
**SEA DISTURBANCE.**—Rough High

Inches  
31

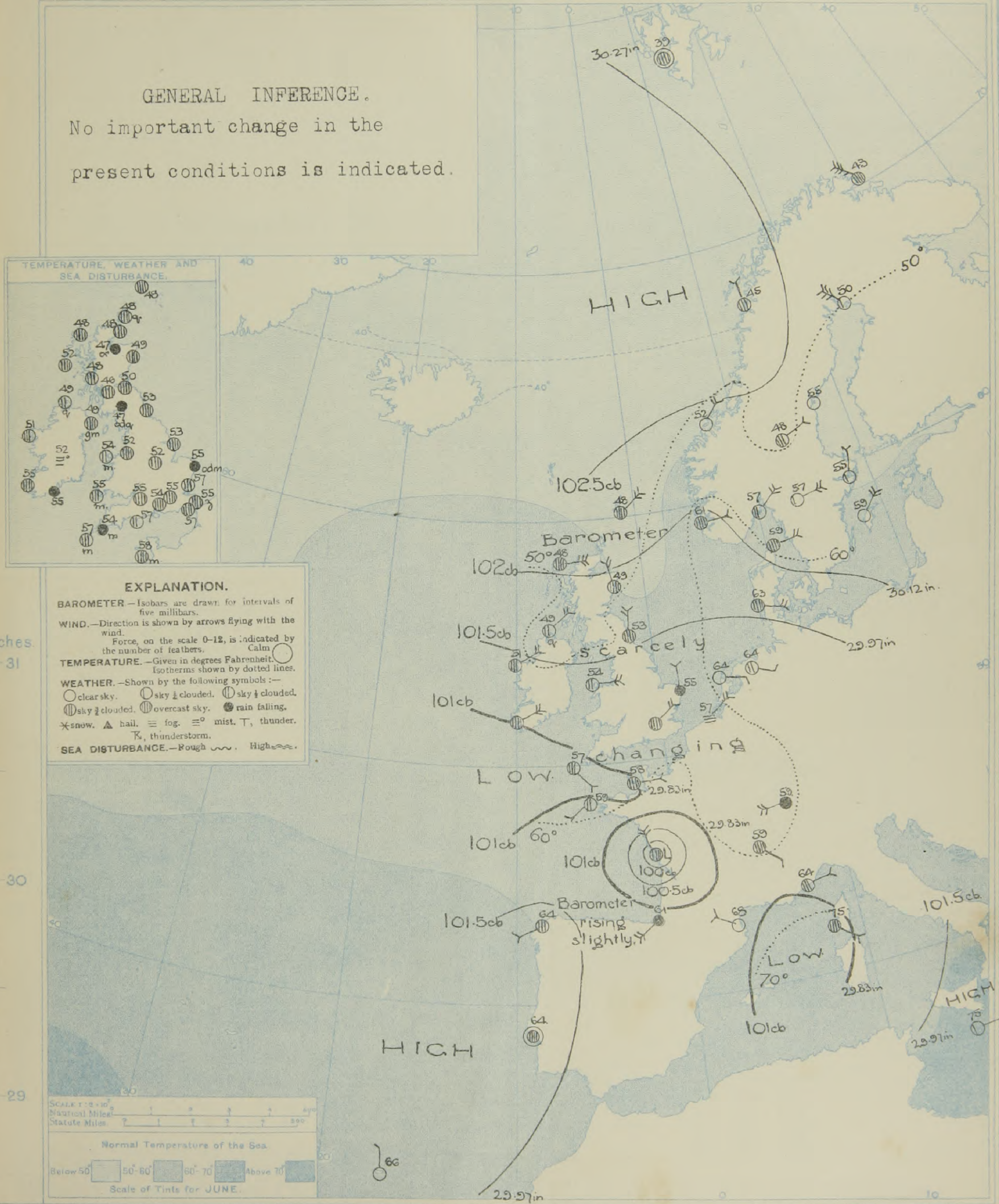
30

29

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

Normal Temperature of the Sea.

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





# DAILY WEATHER REPORT.

Friday, 25<sup>th</sup> June, 1915.

REPORTS  FOR  YESTERDAY.		EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.												
		STATIONS.	Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 6-9.	Rain- fall. Milli- metres.	TEMP.	
					Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.
		Petrograd	1020.7	57	-	0	c	1024.0	+1	59	-3	E	1	-	3	*	3	72	48
		Lyons	1014.3	62	E	1	cl	1016.0	*	63	+3	E	1	*	0	*	16	60	57
		Madrid	1012.0	75	WNW	1	c	1013.3	+1	68	0	-	0	-	0	*	-	79	57
		Lisbon	1016.3	66	SW	5	0	1012.3	+1	68	+4	W	3	-	0	5	-	72	64
		Malta	*	*	*	*	*	1017.2	+3	75	-2	N	1	SW	0	0	-	84	72
24 <sup>th</sup> June																			

24<sup>th</sup> June

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.		
		mm. §	° F.	° F.			Hr.			mm. §	° F.	° F.			Hr.	
Scotland.	{ Oban ... ..	1	67	50	cl	bc	21	England, S.E.	{ Tunbridge Wells ... ..	1	58	50	mo	0	00	
	{ Banff ... ..	-	51	47	0	0	02		{ Margate ... ..	-	58	52	0	0 m f	00	
	{ Carnoustie ... ..	-	55	48	0	c.og	03		{ Ramsgate ... ..	1	58	52	0	0	00	
	{ St. Andrews ... ..	-	54	49	*	*	04		{ Hastings ... ..	-	62	52	0	0.2	03	
Eng. N.E.	{ Harrogate ... ..	-	54	43	0	0	00		{ Bexhill-on-Sea ... ..	-	64	50	0	0	00	
	{ Skegness ... ..	-	54	51	0.0	ogm	00		{ Eastbourne ... ..	1	62	53	0.2	0.2c	00	
Eng. N.W.	{ Morecambe ... ..	-	62	46	0.2c	bc.0	73		{ Seaford ... ..	-	63	52	0.2c	0	04	
	{ Blackpool ... ..	0.2	61	45	c.2c	bc.0	86		{ Brighton ... ..	-	62	52	0.2c	c.0	07	
	{ Southport ... ..	1	60	45	c.0c	0.2	45		{ Worthing ... ..	1	62	51	0	0	05	
Midlands.	{ Buxton ... ..	3	51	43	c	c	00		England, S.W.	{ Littlehampton ... ..	-	?	50	0.2c	0	?
	{ Leamington Spa ... ..	1	54	49	op	op	00	{ Bognor ... ..		1	62	50	0	0	02	
	{ Malvern ... ..	1	56	47	c	c	00	{ Southsea ... ..		1	61	51	c	c	00	
	{ Ross-on-Wye ... ..	3	58	47	10	0	03	{ Bournemouth ... ..		-	61	50	0	0	00	
Wales.	{ Rhyl ... ..	1	61	47	c	bc	16	England, S.W.		{ Weymouth ... ..	0.3	64	52	c.2c	bc.c	21
	{ Colwyn Bay ... ..	2	60	46	bc	bc	25			{ Torquay ... ..	2	57	52	do	0	00
	{ Llandudno ... ..	2	61	47	c.2c	bc	32			{ Paignton ... ..	1	54	52	0	0	00
	{ Aberystwyth ... ..	7	63	50	10.0c	c.0	17			{ Falmouth ... ..	4	56	53	om	om	00
England, E.	{ Tenby ... ..	9	58	51	0	og	00			{ Penzance ... ..	1	61	54	op	c.0	02
	{ Cromer ... ..	-	56	51	0	0	00			{ Newquay ... ..	-	58	52	ogm	om	00
	{ Lowestoft ... ..	-	58	53	0	0	00		{ Ilfracombe ... ..	2	58	53	0	0	05	
	{ Felixstowe ... ..	1	58	52	0	om	00		{ Weston-super-Mare ... ..	-	62	50	0.2	c.2c.0	02	
England, E.	{ Walton-on-Naze ... ..	1	59	52	0.0m	0.0m	00									
	{ Southend-on-Sea ... ..	-	60	51	0	0	00									

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.										
Greenwich (Royal Obsy.) ...	$\frac{0}{10}$ 85	$\frac{0}{10}$ 79	Hr. 0.0	° F. 61	° F. 51	° F. 53	mm. g 0.3	0.m	1.0	0.2
City (Bunhill Row) ...	*	*	0.0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	87	83	0.0	61	52	52	-	0.2	0	0.2c
Camden Sq. (Brit. Rainfall)	84	78	0.0	62	53	53	0.3	0.0	0	*
Hampstead (Reservoir) ...	*	84	0.0	57	50	42	0.3	0p	0p	0
Richmond Park	*	*	0.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	80	75	0.0	Total. 400 Joules		Average Rate. 6.7 Milliwatts.		Max. Rate. 21 Milliwatts.		

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
	mm.‡	° F.	° F.	° F.				Hr.
Dublin to 4 p.m.								
Darwen to 9 p.m.	1	56	45	42	bc	bc	bc og	41
Manchester "								
Birmingham "	4	55	46	43		0	0	00
Oxford to 8 p.m.	*							*
Teignmouth to 9 "								
Plymouth "								
S. Kensington (Museum Grounds to 6p.m.)	0.1	58	51	51	0	cloudy	0	*

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

25 <sup>th</sup> 26 <sup>th</sup> June 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.52	11.55	8.18
Greenwich ...	3.33	11.35	8.18
Wick ...	3.25	12.2	8.19
Valencia ...	3.8	12.14	9.20
	3.23	12.43	9.3

## NOTES ON YESTERDAY'S WEATHER.

Low temperatures were general, many maxima  
being below 60°, only 49° at Lerwick and Wick.  
Showers fell at various stations. As a rule there  
was little or no sunshine.

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. and at the bookstalls at certain Railway  
Termini in London.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 177

Saturday  
26th June 1915.

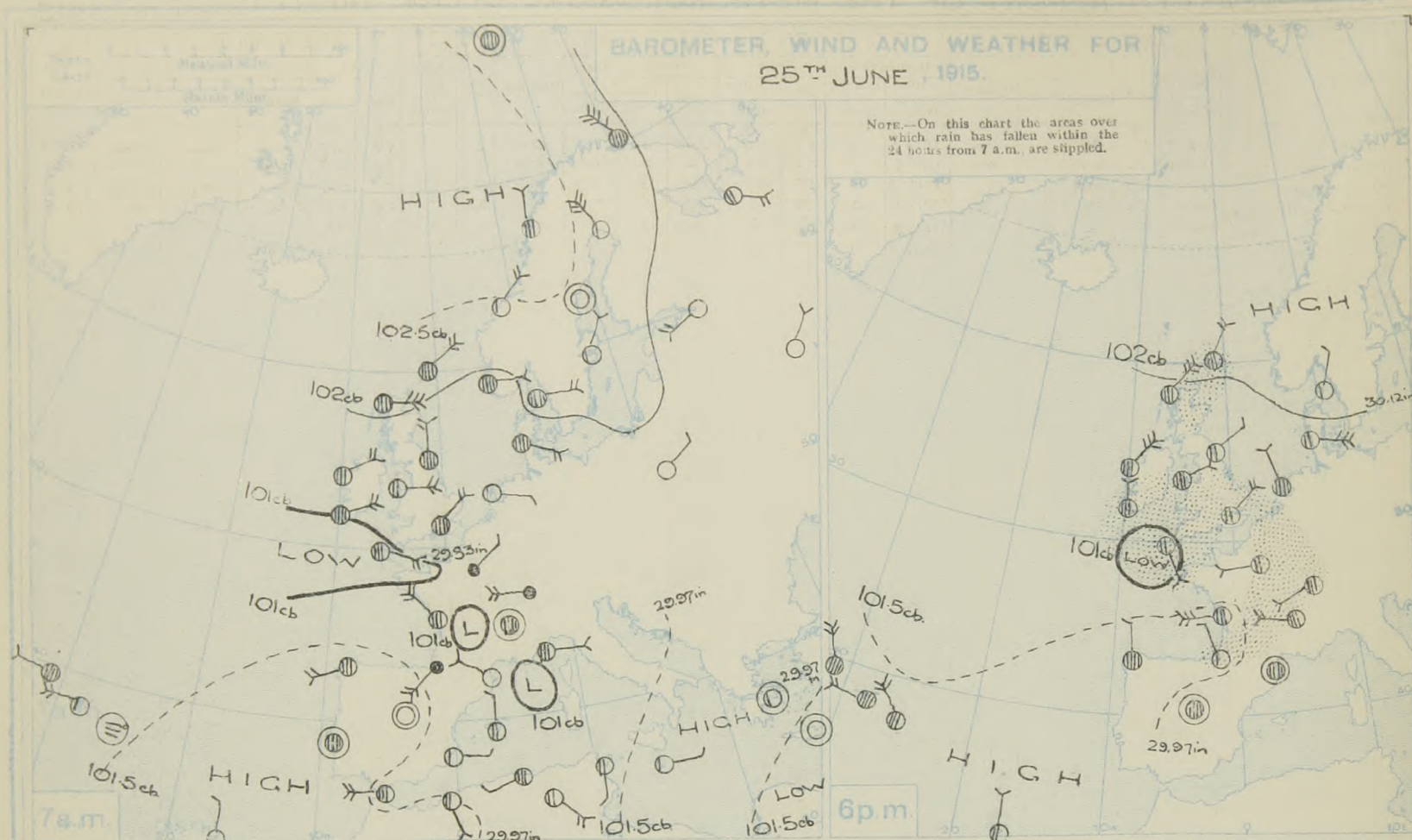
DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP. Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick ...	1021.2	51	NNE	3	cm	1018.5	-1	52	+4	ENE	3	-	om	2	1	52	47	ang	om	omf	Hours
	Deerness ...	1018.6	52	ENE	4	om	1016.9	0	54	+6	E	2	SW	bm	1	1	54	48	otg	o	ot bmb	1.4
	Stornoway ...	1018.1	52	NE	5	Cg	1016.7	0	53	+5	NE	3	-	g	3	-	55	48	o.c.c.	ocg	g	6.9
	Castlebay (Barra Isd.)	1016.2	58	N	2	r	1015.4	0	56	+4	W	1	-	b	2	-	59	50	o.b.c.	o.c.b	b	10.8
	Glasgow ...	1015.1	59	E	2	o	1014.9	-2	53	+7	ENE	2	-	o	-	-	64	46	cg.b.c.	bc.c.	o	4.0
	Eskdalemuir ...	1015.1	53	NNE	3	g	1014.1	-1	51	+4	NE	4	-	om	-	-	58	46	og.d.c.	o.og	g.ogm	1.7
	Malin Head ...	1015.7	53	NNE	2	bc	1014.9	-2	54	+5	N	1	-	om	0	-	65	48	cm	bc	om	5.8
	Blackod Point ...	1013.9	55	NE	4	g	1015.2	0	53	+2	N	4	N	cg	3	-	58	60	bcg	bcg	cm.c.	0.0
	Valencia ...	1011.6	59	N	2	g	1013.7	+1	55	0	N	2	N	g	2	3	61	54	og	og	or.og	0.0
	Roche's Point ...	1012.1	54	E	3	r	1012.6	0	56	+1	NE	2	-	o	2	17	59	53	r.o	or	or	0.8
	Birr Castle ...	1013.1	58	N	2	m	1013.1	0	52	0	N	1	-	r	-	4	59	52	g	g	or	0.8
	Donaghadee ...	1014.2	57	N	3	bom	1013.3	0	52	+3	N	3	N	ogm	2	-	57	49	com	bcn	bcn.og	0.0
	Liverpool (Bidston) ...	1012.4	61	NNE	1	b	1011.9	0	54	+2	E	2	E	or	1	7	67	52	om	bm	or	3.0
	Holyhead ...	1013.2	58	ENE	4	om	1012.1	0	57	+3	E	2	-	g	1	1	62	53	c.o.b.c.	c.o.m	ocp.f	4.6
	Pembroke (St. Ann's) ...	1011.9	55	SE	1	f	1011.6	-1	54	-1	ENE	2	E	c	2	5	59	50	cm	ofm	fd	0.0
	Scilly (St. Mary's) ...	1009.8	60	SSE	2	bc	1007.8	+1	56	-1	WNW	4	W	c	3	8	63	52	c.b.c.	b.b.c.	om.c.	9.7
	Falmouth ...	1011.2	60	SSW	3	r	1008.3	+1	55	+1	S	2	-	c	3	4	61	53	m.f	m.c.b	c.f	4.0
	Jersey (St. Aubin) ...	1012.5	62	W	3	c	1013.7	0	57	-1	SSE	3	-	o	3	4	65	50	off.c.o	c	B.O.	2.3
	Portland Bill ...	1011.6	56	SW	2	c	1012.6	0	56	+1	SE	3	SW	bc	3	3	59	54	c	or	f.b.c	0.0
	Dungeness ...	1011.5	59	NE	3	o	1013.4	+1	59	+2	WSW	3	W	bc	4	-	62	56	o	o	o.b.c	0.0
	Dover ...	1012.4	55	N	2	m	1013.3	+2	62	+7	SW	3	-	b	3	10	60	54	g.o	ofm	or.b.c	0.1
	Wick ...	1017.8	51	NE	4	o*	1016.9	0	51	+3	ENE	1	-	fe	2	0.1	52	48	ogm	omf	om.f	0.0
	Nairn ...	1017.5	52	E	1	og	1016.3	0	52	+5	-	0	-	me	1	1	54	46	p.b.c	cu	omg	0.0
	Aberdeen ...	1016.3	56	NNE	2	og	1016.2	0	54	+5	N	2	-	o	2	0.4	58	49	op	o	o	0.1
	Leith ...	1015.1	55	ENE	2	o	1015.1	-1	53	+3	NE	2	-	od	-	0.4	58	49	o.c.o	o	o	0.0
Tynemouth ...	1014.5	57	NE	1	bcn	1014.0	-1	53	0	NE	1	-	om	3	-	57	52	om	bcn	om	0.0	
Spurn Head ...	1014.9	54	ENE	4	o	1013.4	-4	53	0	NE	5	-	or	4	5	57	49	om	om	om	0.0	
Yarmouth ...	1013.6	55	NNE	4	om	1012.0	0	57	+2	-	0	-	om	1	5	60	54	om	om	om	0.0	
Clacton-on-Sea ...	1012.5	50	NE	2	om	1012.5	0	59	+2	WSW	2	-	ogm	1	5	63	56	c.b.c.	c.omr	ogm	5.4	
Nottingham ...	1013.1	62	E	2	bc	1012.7	0	53	+1	NE	1	NE	r	-	6	63	52	oc	o.b.c	bc.c.	2.5	
Bath ...	1011.9	60	W	1	o	1012.8	0	54	-1	E	1	S	o	-	10	72	51	oc	c.o.f.	ogm	3.0	
St. Farnborough ...	1010.6	68	E	2	o	1012.7	+1	60	+6	SW	3	-	bc	-	3	73	53	o.b.c	cg	p.o.b	3.1	
London (Kew Obs.) ...	1011.5	70	ENE	3	bcg	1013.4	+1	59	+4	WSW	3	W	bc	-	Trace	73	55	om.og	g.og.bcg	bcg.omb	3.5	
NORTHERN EUROPE.	Spitsbergen ...																					
	Vardö ...																					
	Bodö ...																					
	Christiansund ...																					
	Skudesnaes ...																					
	Færder (X'ania Fjord) ...																					
	The Scaw (Skagen) ...	1021.9	64	NNE	1	b	1023.1	0	57	-2	ESE	3	-	b	3	-	72	55				
	Blaavands Huk ...	1017.6	70	ESE	5	bc	1016.6	0	59	-4	ESE	6	-	o	4	-	75	54				
	Haparanda ...																					
	Hernösand ...																					
FRANCE, &c.	Stockholm ...																					
	Wisby ...																					
	Karlstad ...																					
	Petrograd (5 a.m. G.M.T.) ...																					
	The Helder ...	1013.0	64	NNW	2	o	1011.9	0	61	-3	E	1	-	o	1	8	70	61				
	C. Gris Nez ...	1011.3	57	NE	4	f	1013.7	+3	55	0	SW	5	-	f	4	2	57	54				
	La Hève ...	1010.6	63	N	3	m	1015.1	0	63	+2	SSE	3	-	m	2	-	70	57				
	Ushant ...	1012.8	59	SW	5	c	1011.7	0	57	-2	WSW	5	-	c	3	-	66	54				
	Brest (St. Mathieu) ...	1013.9	61	SW	3	b	1013.5	+1	59	0	SW	4	-	bc	4	1	68	57				
	Roche fort (Ile d'Aix) ...	1015.9	66	W	5	c	1017.2	0	64	0	W	4	-	c	-	-	72	61				
Biarritz ...	1016.4	68	NNW	2	b	1017.6	0	64	+3	WNW	1	-	o	1	1	73	63					
SOUTHERN EUROPE.	Paris ...	1011.1	70	WSW	2	bc	1016.6	+2	64	+3	SSW	1	-	o	-	2	73	57				
	Belfort ...	1015.7	60	WSW	2	c	1018.1	0	63	+4	W	4	-	c	-	4	75	54				
	Lyons ...	1013.9	72	WNW	3	c	1018.6	0	66	+7	N	1	-	o	-	1	75	57				
	Nice ...																					
	Perpignan ...	1014.7	72	-	0	o	1016.7	0	73	+5	WSW	1	-	bc	-	-	84	63				
	Sanguinaire ...	?	79	SE	2	c	?	?	75	0	E	3	-	c	2	-	81	68				
	Corunna (7 a.m.) ...	1018.3	64	N	1	o	1020.2	+2	61	-3	NNE	1	-	b	1	-	66	52				
	Madrid (8 a.m.) ...	1014.3	72	-	0	o	1016.7	+1	66	+5	-	0	SW	b	-	-	75	53				
	Lisbon (9 a.m.) ...																					
	Gibraltar ...																					
AZORES &c.	Rome ...																					
	Malta (8 a.m.) ...																					
	Azores (Horta, 8 a.m.) ...	1015.4	?	W	3	o					W	1	-	b	1	-						
	Madeira (Funchal) ...	1019.5	72	N	2	bc	1019.3	0	68	+2	W	1	-	b	1	-	73	66				

## 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





#### FORECAST DISTRICTS.



#### STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay 11

0 } Light Easterly to Northerly breezes; fine to dull, local thunder, some rain and coast fog; some increase of temperature.

2 } Moderate to light Easterly to Northerly breezes; unsettled, rain and thunder, fairer later; temperature rising.

3 } Same as No 5.

4 } Same as No 2.

5 } Variable breezes, South-Easterly to South-Westerly and West, light to moderate, fine to dull and thundery, some rain; warmer.

6 } Same as Nos 0 and 1.

7 } Same as No 2.

8 } Variable to Westerly or North-Westerly breeze, light to moderate; cloudy to fine, some rain local thunder; warmer.

9 } Light to moderate Northerly breezes; dull to fine, some rain, local thunder; moderate temperature.

11 } South-Westerly to Westerly and North-Westerly breezes, fresh at times; dull to fair, some rain and fog; cool.

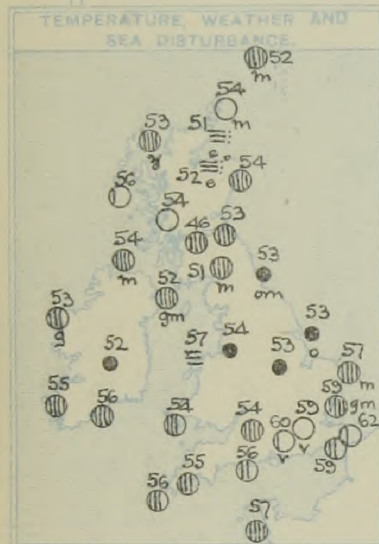
#### FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M., SATURDAY, 26<sup>TH</sup> JUNE, 1915.

## GENERAL INFERENCE.

The pressure distribution has now assumed a less settled type, and rain is probable in all districts, with thunder in places.



## 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:—

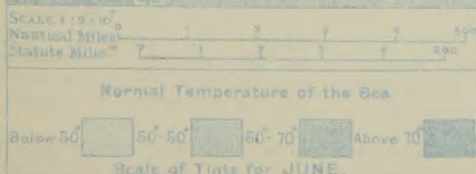
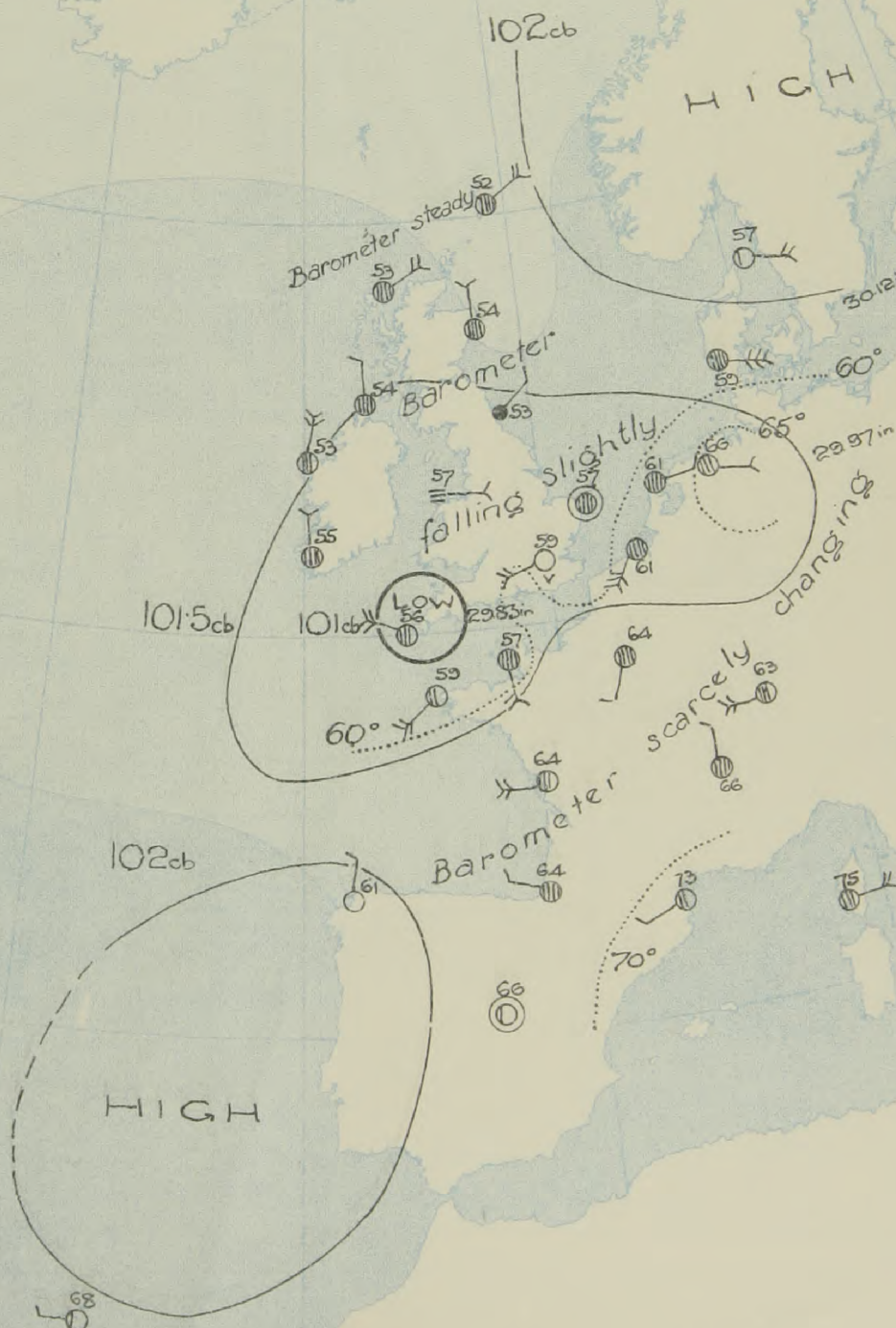
○ clear sky. ○ sky 1/4 clouded. ○ sky 1/2 clouded.

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

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

⚡, thunderstorm.

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





## DAILY WEATHER REPORT.

Saturday, 26<sup>th</sup> June, 1915.

REPORTS  FOR  YESTERDAY.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain- fall. Milli- metres.		TEMP.  Max. Min.	
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.					
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.								
° F.						° F.	° F.													
Petrograd	10190	63	ENE	3	7c	10159	+1	59	0	WSW	3	-	7	*	-	70	57			
Paris	10101	72	SSE	2	3	10114	0	61	-4	NE	1	-	7	*	4	77	57			
Madrid	10099	64	ESE	3	c	10162	+3	61	7.2	-	0	-	3	*	10	64	52			
Horta	10162	*	S	4	c	10141	+1	64	0	W	4	*	8	2	18	68	63			
25 <sup>th</sup> June																				

25<sup>th</sup> June

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.†	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm.†	Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				
		° F.	° F.						
Scotland.							Tunbridge Wells ...		
Oban ...	...	68	40	b	bc	61	Margate ...	2	56
Banff ...	1	55	47	p.d.o	o	01	Ramsgate ...	0.3	56
Carnoustie ...	2	63	44	o.d.o	fc	28	Hastings ...		64
St. Andrews ...	-	56	47	*	*	01	Bexhill-on-Sea ...		66
Eng. N.E.							Eastbourne ...		64
Harrogate ...	1	60	47	o	oc	00	Seaford ...		73
Skegness ...	-	59	52	o.c	c.o	09	Brighton ...		72
Eng. N.W.							Worthing ...		68
Morecambe ...		70	51	o.c	bc	53	Littlehampton ...		70
Blackpool ...		64	50	o	c.b.c	43	Bognor ...		67
Southport ...		69	49	c.o.c	c.o.c	26	Southsea ...		69
Midlands.							Bournemouth ...		64
Buxton ...		60	46	c	bc	14	Weymouth ...	4	65
Leamington Spa ...		64	50	o	c.b.c	33	Torquay ...	13	57
Malvern ...		64	49	m	bc	20	Paignton ...	11	59
Ross-on-Wye ...	1	65	49	omg	d.c.b	16	Falmouth ...	5	61
Wales.							Penzance ...	9	61
Rhyl ...		63	50	g.c	c.o	06	Newquay ...	3	61
Colwyn Bay ...		61	49	bc	bc	25	Ilfracombe ...	2	62
Llandudno ...		60	49	c	c	29	Weston-super-Mare ...	4	?
Aberystwyth ...		64	54	o.c	c.o	20			
Tenby ...	3	59	53	bc.o	bc.o	03			
England, S.W.									
Cromer ...		60	53	om	om	00			
Lowestoft ...		57	53	o	of	00			
Felixstowe ...	0.3	62	53	bc	om	51			
Walton-on-Naze ...	1	61	53	bc	bc. om	57			
Southend-on-Sea ...	0.3	64	54	d.c.b	bc.o	42			

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.		Rain- fall. mm.†	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.		Fore- noon.	After- noon.	Night.
	%	%		Max.	Min.				
				24 HOURS ENDED 9 A.M. TO-DAY.					
Greenwich (Royal Obs.) ...	62	54	3.5	73	57	56	c.o	o.c	bc
City (Bunhill Row) ...	*	*	4.2	*	*	*	*	*	*
Westminster (St. James's Pk.)	70	72	3.8	71	57	56	-	bc	bc
Camden Sq. (Brit. Rainfall)	61	62	4.6	76	57	56	1	bc	c.b.c
Hampstead (Reservoir) ...	*	63	4.7	70	54	46	1	bc	bc
Richmond Park ...	*	*	4.8						
Kew. (See front page.)									
(Greenwich and Camden Square air temperatures are in Glaisher screens.)									
S. Kensington (Roof of M.O.)	58	55	3.4	1533 Joules	25.7 Milli-watts.	78 Milli-watts.			

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

26 <sup>th</sup> & 27 <sup>th</sup> June 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.33	11.55	8.18
Greenwich ...	3.45	12.2	8.19
Wick ...	3.8	12.14	8.20
Valencia ...	4.23	12.43	9.3

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.

## Additional Observations for Yesterday.

STATIONS.	Rain- fall. mm.†	TEMPERATURE.		WEATHER.		Sun- shine for Yester- day.
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
		Max.	Min.			
		° F.	° F.			
Dublin to 4 p.m.						
Darwen to 9 p.m.		65	47	47	og	bc
Manchester "		64	51	0	og	c
Birmingham "		60	48	47	0	c.o
Oxford to 8 p.m.						
Teignmouth to 9 "	20	57	54	53	bc.c	c.c
Plymouth "						
S. Kensington (Museum Grounds to 6 p.m.)		72	54	53	0	0

## NOTES ON YESTERDAY'S WEATHER.

Temperature passed 70° at several southern stations, but in many localities it again failed to reach 60°. Rain fell in many districts, 17 mm. at Roche's Point. Sunshine varied from none in several places to more than 11 hours at Worthing.

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. and at the bookstalls at certain Railway  
Termini in London.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 178.

Sunday,  
27th June, 1915.

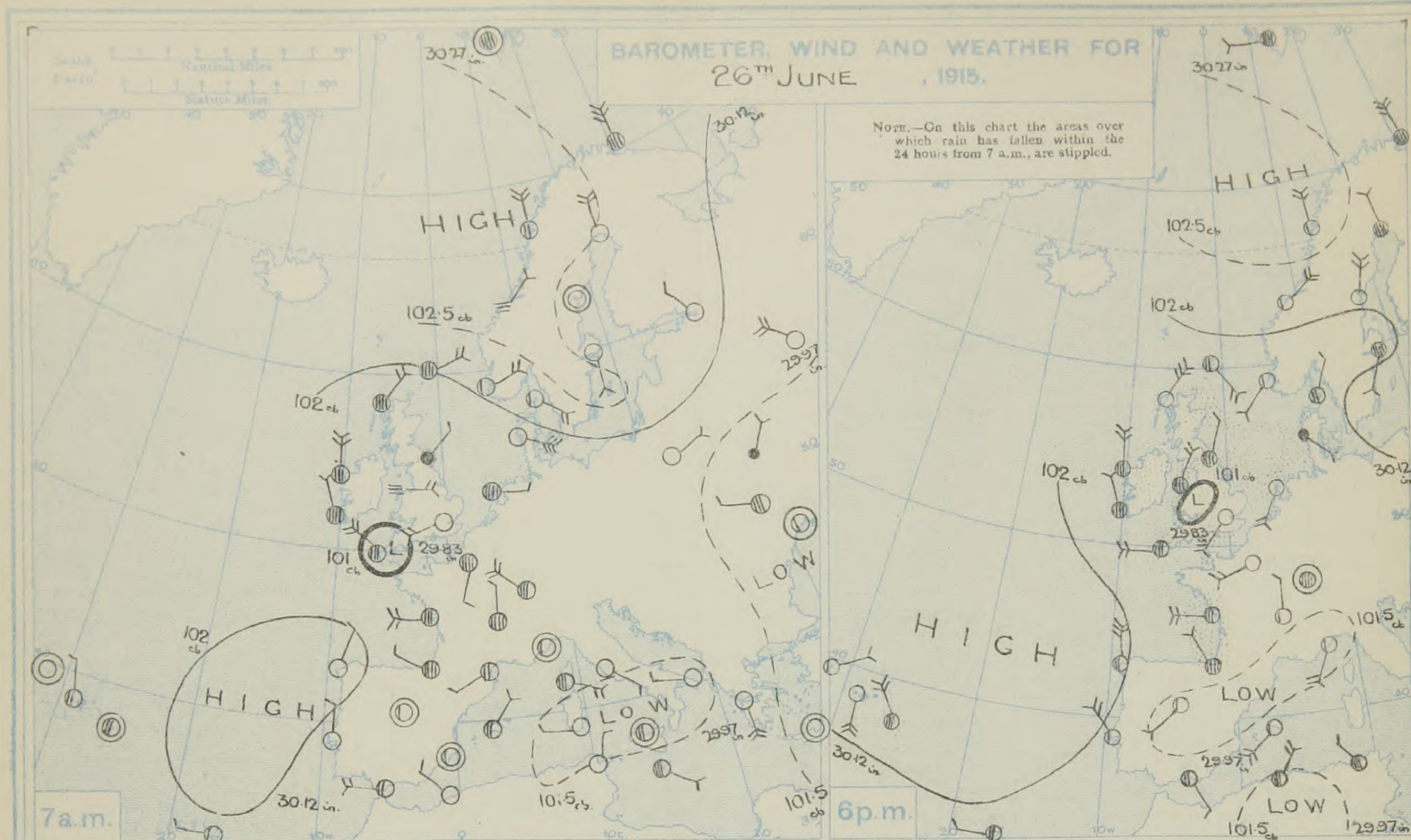
DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 24 hours.	TEMP. °F.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Force 0-12.	Dir.					Force 0-12.	Dir.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1015.4	54	SE	4	bc	1018.0	0	50	-2	NE	4	-	om	3	-	58	49	bc	bc	bc. om	Hours.
	Deerness	1015.6	54	E	2	bc	1014.9	0	52	-2	ENE	3	-	od	2	Trace	59	50	bc	bc	bc. om	12.5
	Stornoway	1014.1	59	NE	5	bz	1013.2	0	55	+2	NE	5	NE	bcz	5	-	59	52	bc	bc	bc. om	8.2
	Castlebay (Barra Is.)	1013.0	59	NW	4	bc	?	0	61	+5	N	3	-	bc	3	-	62	52	bc	bc	bc. om	11.5
	Glasgow	1012.5	54	E	1	r	1010.1	-1	53	0	ENE	1	-	omg	4	29	56	52	omg	od. mr	omr. om	0.0
	Eskdalemuir	1011.5	55	ENE	1	o	1010.0	0	54	+3	-	0	-	om	4	5	57	50	omr	og. o	o. od	0.0
	Malin Head	1013.5	56	N	2	cm	1010.0	0	54	0	NW	3	-	omr	3	2	58	52	bc	ene	omr	6.8
	Blacksod Point	1015.0	55	N	4	cg	1013.2	-2	53	0	NNW	4	-	omd	3	1	60	52	cg	om	omr. om	0.0
	Valencia	1014.8	57	N	2	og	1014.5	0	56	+1	NW	3	NW	o	3	-	61	55	o. cg	cg	og. o	0.0
	Roche's Point	1014.4	58	NNW	3	o	1013.4	0	55	-1	N	2	-	r	3	4	62	55	o. c	o. cp	r. or	0.0
	Birr Castle	1013.0	57	N	1	r	1012.1	0	54	+2	NW	1	-	o	4	11	58	51	or	or	o	0.0
	Donaghadee	1011.5	55	N	3	omr	1009.4	-1	54	+2	NW	2	-	om	1	3	58	51	bcf	og. of	og. om	0.0
	Liverpool (Bidston)	1009.7	65	E	1	b	1010.0	0	57	+3	SE	2	-	b	1	1	67	51	o. c	cg	og. om	4.4
	Holyhead	1011.9	55	NE	3	og	1009.7	0	55	-2	E	2	-	f	0	0.2	63	53	og. of	og. of	og. om	1.0
	Pembroke (St. Ann's)	1010.5	55	N	2	c	1011.0	0	53	-1	NW	1	-	f	1	10	61	51	og. of	og. of	og. om	0.6
	Scilly (St. Mary's)	1011.9	59	W	4	cm	1012.4	+1	56	0	NW	3	NW	cm	4	1	62	55	c	c	cm. om	6.7
	Falmouth	1011.4	59	WNW	4	bc	1011.5	+1	56	+1	NW	2	-	o	3	11	64	52	bc. o	bc. o	bc. cp	7.7
	Jersey (St. Aubin)	1013.9	59	WSW	3	o	1013.4	0	57	0	SW	3	-	o	3	1	66	55	o. b	bc. ogp	og. o	8.0
	Portland Bill	1012.0	57	S	4	bc	1011.4	-1	55	-1	WSW	4	SW	c	4	1	61	53	cp. bc	bc	bc. or	0.0
	Dungeness	1014.1*	62	SW	2	bc	1013.5	0	58	-1	SW	3	SW	b	3	0.2	63	55	o. c. bc	bc. bc	bc. or	0.0
	Dover	1014.0	60	S	3	b	1013.2	0	57	-5	SSW	4	SW	r	4	2	65	54	b	b	bc. or	12.0
	Wick	1015.1	52	ENE	2	m	1013.9	-1	51	0	ENE	4	E	r	4	1	58	50	fe	fe. om	cm. omr	0.0
	Nairn	1014.3	54	E	2	md	1011.3	0	53	+1	ENE	2	-	mr	2	5	58	51	of	fgp	md. cp	0.0
	Aberdeen	1013.7	55	NE	3	o	1011.0	+1	54	0	E	2	-	f	3	12	60	53	om	or	omr. f	0.0
	Leith	1015.9	54	NE	2	r	1010.0	0	54	+1	E	1	-	o	3	25	55	53	od. o	or	or	0.0
	Tynemouth	1011.7	54	N	1	omg	1010.5	-1	56	+3	S	2	-	ogm	3	6	56	52	omr	ogm	om	0.0
	Spurn Head	1013.4	58	-	0	bc	1012.3	0	56	+3	WSW	3	-	c	4	2	63	52	omr	bc	bc	2.4
Yarmouth	1012.6	71	NE	3	bc	1012.5	-2	61	+4	SSE	4	S	c	2	5	74	55	omr	cm. bc	bc	6.5	
Clacton-on-Sea	1013.2	66	SW	3	bc	1012.7	0	58	-1	SSW	2	S	bc	2	-	68	57	ogm. bc	bc	bc	11.1	
Nottingham	1010.5	67	S	2	b	1011.0	0	55	+2	S	2	S	bc	4	1	72	47	ogm. o. c	bc. b	b	5.4	
Bath	1011.5	62	S	3	c	1011.5	0	56	+2	S	1	SW	r	4	2	68	52	o. bc	c. bc	c. bc. or	8.7	
Sth Farnborough	1012.3	65	SSW	3	b	1011.1	-1	54	-6	S	1	-	r	3	3	68	50	b. bc. o	bc. b	b. bc. or	11.4	
London (Kew Obs.)	1012.6	71	SW	3	bc	1012.0	-1	58	-1	S	3	S	c	4	-	71	53	bc. bc. o	bc. bc. o	c. o. c	9.9	
NORTHERN EUROPE.	Spitsbergen	1021.2	37	W	2	o	1018.3	-4	37	0	S	2	*	c	4	41	34					
	Vardö	1022.1	41	N	5	o	1019.5	0	39	-2	N	6	-	o	4	43	37					
	Bodö	1027.3	45	N	4	b	1025.6	-1	45	0	N	3	-	b	2	46	39					
	Christiansund	1024.0	50	NE	4	b	1021.6	-1	46	-2	NE	4	-	b	3	54	45					
	Skudesnaes	1017.5	63	SW	2	b	1015.5	-3	61	-3	NE	2	-	o	1	66	54					
	Færder (X'ianla Fjord)	1019.1	60	-	0	b	1017.7	-2	63	+4	-	0	W	bc	0	66	54					
	The Scaw (Skagen)	1018.7	61	NNE	1	bc	1017.3	-1	57	0	ESE	2	-	o	2	64	57					
	Blaavands Huk	1015.3	59	SE	2	r	1013.9	0	57	-2	SE	1	-	f	1	5	64	54				
	Haparanda	1022.0	52	N	2	o	1021.3	-1	50	+2	N	4	N	b	4	59	39					
	Hernösand	1023.0	50	NNE	4	b	1023.5	+1	52	-3	-	0	-	b	4	55	43					
FRANCE, &c.	Stockholm	1019.9	59	SW	2	o	1019.8	0	57	-2	-	0	-	o	4	68	54					
	Wisby	1021.5	61	SE	2	b	1020.4	0	59	-2	NNE	2	-	b	4	64	48					
	Karlstad	1020.0	72	-	0	b	1018.9	-1	61	+2	-	0	-	b	4	73	45					
	Petrograd (G.M.T.)	1013.9	61	SW	3	b	1013.9	0	59	-2	SE	1	-	c	1	3	66	46				
	The Helder	1013.9	61	SW	3	b	1013.9	0	59	-2	SE	1	-	c	1	3	66	46				
	C. Gris Nez	1013.6	66	S	1	bc	1013.3	0	60	+5	SSW	4	*	b	2	68	52					
	La Hève	1014.1	59	SSW	4	o	1013.6	0	59	-4	SW	4	*	b	4	70	54					
	Ushant	1014.1	55	W	5	c	1014.6	0	58	+1	NW	5	*	o	3	64	54					
	Brest (St. Mathieu)	1015.4	60	W	3	bc	1015.3	0	59	0	W	3	*	f	3	66	57					
	Rochefort (Ile d'Aix)	1017.6	66	W	4	c	1017.2	0	64	0	W	4	*	bc	3	Trace	72	61				
SOUTHERN EUROPE.	Biarritz	1017.7	66	NNW	2	o	1019.1	0	60	-4	W	1	*	r	2	72	59					
	Paris	1015.1	70	SW	2	b	1016.0	0	63	-1	SSW	2	-	b	4	77	52					
	Belfort	1016.3	72	N	1	b	1017.1	0	64	-2	NNW	2	*	b	4	77	57					
	Lyons	1014.7	69	SW	3	b	1014.0	+1	70	+4	-	0	*	bc	1	77	61					
	Nice	1014.7	69	SW	3	b	1014.0	+1	70	+4	-	0	*	bc	1	77	61					
	Perpignan	1014.7	69	SW	3	b	1014.0	+1	70	+4	-	0	*	bc	1	77	61					
	Sanguinaire	1014.7	69	SW	3	b	1014.0	+1	70	+4	-	0	*	bc	1	77	61					
	Corunna (7 a.m.)	1021.0	82	N	5	bc	1021.9	+1	61	0	NNE	1	-	f	2	66	55					
	Madrid (8 a.m.)	1022.0	79	SW	2	b	1016.3	+1	66	0	-	0	-	b	4	81	55					
	Lisbon (9 a.m.)	1018.7	72	NW	3	b	1020.3	+1	64	0	NNW	3	-	b	5	73	61					
Azores, &c.	Gibraltar	1018.7	72	NW	3	b	1020.3	+1	64	0	NNW	3	-	b	5	73	61					
	Rome	1018.7	72																			

## RAINFALL.

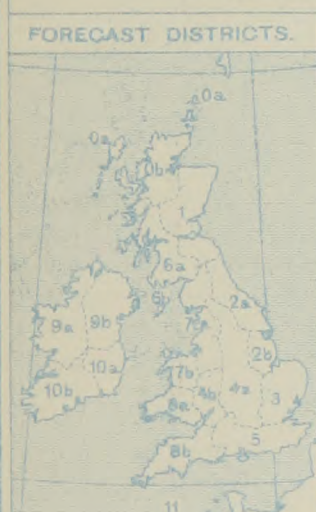
Equivalents of Millimetres.  
in Inches.

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





**FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.**



**STORM WARNINGS.**

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

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

**No Warnings Issued**

Western Channel and Bay 11

Moderate to light North-Easterly to North-Westerly breezes; fair to dull, some rain, coast mist or fog; moderate temperature.

Moderate to light Easterly to South-Easterly and variable breezes; unsettled, rain and mist, fog on coast; cool.

Light to moderate Southerly to Westerly breezes; changeable, some rain, local thunder and coast mist or fog; moderate temperature.

Light variable breezes; changeable, some rain, local thunder and coast mist or fog; moderate temperature.

Light to moderate Northerly and North-Westerly breezes; fair to dull, some rain, local coast mist or fog; moderate temperature.

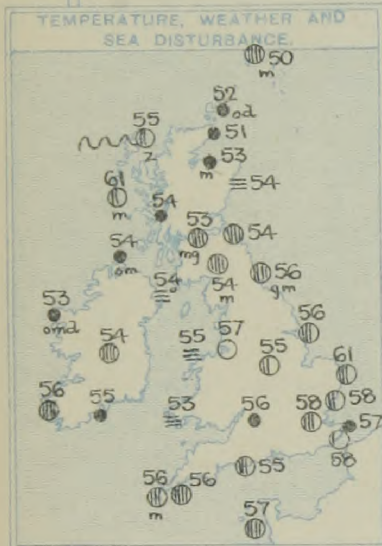
Light to moderate North-Westerly to Westerly breezes; sea slight to rather rough; fair to dull, some mist or fog; moderate temperature.

**FURTHER OUTLOOK.**



## GENERAL INFERENCE.

Under the influence of a shallow depression over the Irish Sea, the conditions are likely to remain of a changeable type.



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.

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

⚡, thunderstorm.  
SEA DISTURBANCE.—Rough . . . High . . .

**SEA DISTURBANCE:** None



Normal Temperature of the Sea.

Below 50 50-60 60-70 Above 70

Scale of Tints for JUNE.



## DAILY WEATHER REPORT.

Sunday, 27<sup>th</sup> June 1915.

REPORTS  FOR YESTERDAY.  26 <sup>th</sup> June	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain- fall Milli- metres.	TEMP. Max. Min.	
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.				
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.							
	Spitzbergen	1024.3	36	NNW	2	7	1024.3	0	37	+2	N	0	*	0	*	*	43	32	
	Vardo	1023.4	41	N	7	2	1023.4	0	41	+2	N	0	*	0	*	*	45	39	
	Bodo	1029.9	45	N	1	1	1029.2	0	45	0	N	4	*	0	*	*	46	36	
	Christiansund	1024.6	52	NE	2	1	1025.8	0	48	-4	NE	2	*	0	*	*	57	46	
	Skudesnaes	1020.7	63	-	0	0	1020.2	-2	64	+3	ESE	3	*	0	*	*	66	61	
	Faerøer	1023.5	53	-	0	0	1024.4	+1	50	+2	SSE	1	SW	0	*	*	64	55	
	Hanaranda	1023.3	55	NNW	3	2	1025.0	-1	48	-2	N	4	*	0	*	*	61	41	
	Hernösand	1025.1	53	N	3	4	1021.2	-1	55	0	S	2	*	0	*	*	54	41	
	Stockholm	1024.6	50	E	2	4	1024.6	-2	59	+4	S	2	*	0	*	*	54	46	
	Wibsy	1025.3	50	NE	2	4	1025.3	-2	61	+2	ESE	2	*	0	*	*	72	52	
	Karlsbad	1024.4	72	SE	2	2	1025.3	0	59	+2	S	2	*	0	*	*	72	52	
	Petrograd	1020.2	53	NNW	2	0	1021.9	0	54	+2	NNW	1	*	0	*	*	63	43	
	Nice	1014.9	64	N	0	0	1016.0	0	66	+2	N	0	*	0	*	*	75	57	
	Lisbon	1016.6	72	NNW	4	4	1017.7	+1	64	0	N	1	*	0	*	*	73	61	
	Gibraltar	1015.9	68	NNW	4	4	1016.2	+1	67	-1	N	3	*	0	*	*	79	64	
	Malta	1016.2	73	-	0	0	1018.1	+2	72	0	SE	1	*	0	*	*	81	66	
	Barça	1019.1	71	NNW	1	1	1016.2	0	74	+4	SE	2	*	0	*	*	73	61	
							1019.1	+1	74	0	NNW	1	*	0	*	*	73	61	

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. & .	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. & .	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		°F.	°F.						°F.	°F.			
Scotland.							England, S.E.						
Oban ...	...	67	46	bc	c bc	9.5	Tunbridge Wells ...	...	69	53	bc	bc bc	10.3
Banff ...	...	62	51	bc.0	o. bc	2.8	Margate ...	...	70	54	bc	bc	10.6
Carnoustie ...	...	62	51	bc.0	o. bc	2.8	Ramsgate ...	...	68	54	bc	bc	10.9
St. Andrews ...	...	62	51	bc.0	o. bc	2.8	Hastings ...	...	64	55	bc.0 bc	bc. bc	9.6
England, N.W.							Bexhill-on-Sea ...	...	64	55	bc	bc	9.2
Harrogate ...	...	56	50	bc.0	bc.0	0.0	Eastbourne ...	...	65	54	bc. bc	bc. bc	9.8
Skegness ...	...	67	53	bc	bc	4.4	Seaford ...	...	68	53	bc	bc. bc	7.1
England, N.E.							Brighton ...	...	63	54	bc. bc	bc. bc	6.8
Morecambe ...	...	61	53	bc. bc	bc	0.0	Worthing ...	...	66	54	bc	bc	7.8
Blackpool ...	...	61	53	bc. bc	bc	0.0	Littlehampton ...	...	63	54	bc.0	bc. bc	9.0
Southport ...	...	62	53	bc	bc. bc	1.6	Bognor ...	...	63	54	bc	bc	8.0
Midlands.							Southsea ...	...	63	54	bc	bc	8.0
Buxton ...	...	65	50	bc	bc	1.9	Bournemouth ...	...	66	49	bc	bc	8.0
Leamington Spa ...	...	70	54	bc	bc	9.1	Weymouth ...	...	62	49	bc. bc	bc. bc	7.6
Malvern ...	...	69	54	bc	bc. bc	8.9	Torquay ...	...	62	44	bc. bc	bc	7.8
Ross-on-Wye ...	...	65	54	bc	bc	3.0	Paignton ...	...	64	54	bc.0	bc. bc	7.6
Wales.							Falmouth ...	...	65	54	bc. bc	bc	8.0
Rhyl ...	...	65	54	bc	bc	3.0	Penzance ...	...	61	51	bc. bc	bc. bc	5.5
Colwyn Bay ...	...	62	57	bc	bc	5.0	Newquay ...	...	60	51	bc. bc	bc	9.1
Llandudno ...	...	64	50	bc	bc	2.7	Ilfracombe ...	...	60	51	bc. bc	bc	9.1
Aberystwyth ...	...	64	50	bc	bc	2.7	Weston-super-Mare ...	...	60	51	bc. bc	bc	9.1
Tenby ...	...	64	50	bc	bc	2.7							
England, E.													
Cromer ...	...	67	53	bc	bc	5.1							
Lowestoft ...	...	70	57	bc	bc	8.6							
Felixstowe ...	...	67	56	bc	bc	9.7							
Walton-on-Naze ...	...	72	57	bc. bc	bc. bc	7.0							
Southend-on-Sea ...	...	72	57	bc. bc	bc. bc	7.0							

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.										
Greenwich (Royal Obs.) ...	% 52	% 70	Hr. 11.6	° F 74	° F 52	° F. 4.2	mm.‡ 2	bc	bc	o. bc
City (Bunhill Row) ...	% *	% *	10.6	% *	% *	% *	% *	% *	% *	% *
Westminster (St. James's Pk.)	62	96	10.7	71	55	3.0	3	bc.0	bc. bc	bcu
Camden Sq. (Brit. Rainfall)	57	99	10.2	75	54	5.1	4	bc	bc	%
Hampstead (Reservoir) ...	% *	93	10.5	70	51	3.8	5	bc	bc. bc	o
Richmond Park ...	% *	% *	10.4							
Kew. (See front page.)										
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										
				Total.		Average Rate.		Max. Rate.		
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				20.14 Joules		33.8 Milliwatts.		93 Milliwatts.		
S. Kensington (Roof of M.O.)	55	85	11.3							

## Additional Observations for Yesterday.

STATIONS.	Rain- fall.	TEMPERATURE.		Night Min. on Grass.	Night.	Fore-noon.	After-noon.	Sun- shine for Yester- day.
		Max.	Min.					
		°F.	°F.					
Dublin to 4 p.m.	17	56	53	51	bc. bc	bc. bc	bc. bc	0.6
Darwen to 9 p.m.	22	61	52	47	bc	bc. bc	bc. bc	0.6
Manchester "	42	66	53	*	bc. bc	bc. bc	bc. bc	2.0
Birmingham "	11	69	52	51	*	bc	bc	*
Oxford to 8 p.m.	*	68	55	52	bc. bc	bc. bc	bc. bc	*
Teignmouth to 9 "	4	63	47	46	bc. bc	bc. bc	bc. bc	6.2
Plymouth "	3	62	51	46	bc. bc	bc. bc	bc. bc	9.1
S. Kensington (Museum Grounds to 6 p.m.)	1	72	56	55	bc. bc	bc. bc	bc. bc	*

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

27 <sup>th</sup> 28 <sup>th</sup> JUNE, 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.33	11.56	8.18
Greenwich ...	3.46	12.3	8.19
Wick ...	3.47	12.3	8.19
Valencia ...	3.9	12.15	8.20
	3.4	12.15	8.20
	3.4	12.15	8.20
	3.4	12.15	8.20

## NOTES ON YESTERDAY'S WEATHER.

Temperature varied considerably, from 53° at Wick to a little above 70° locally in the South. Rain fell in most districts, ranging up to 25 mm. at Leith and 29 mm. at Glasgow. Sunshine was irregularly distributed even locally, none in several places, 13 hours at Dover.

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. and at the bookstalls at certain Railway Termini in London.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 179

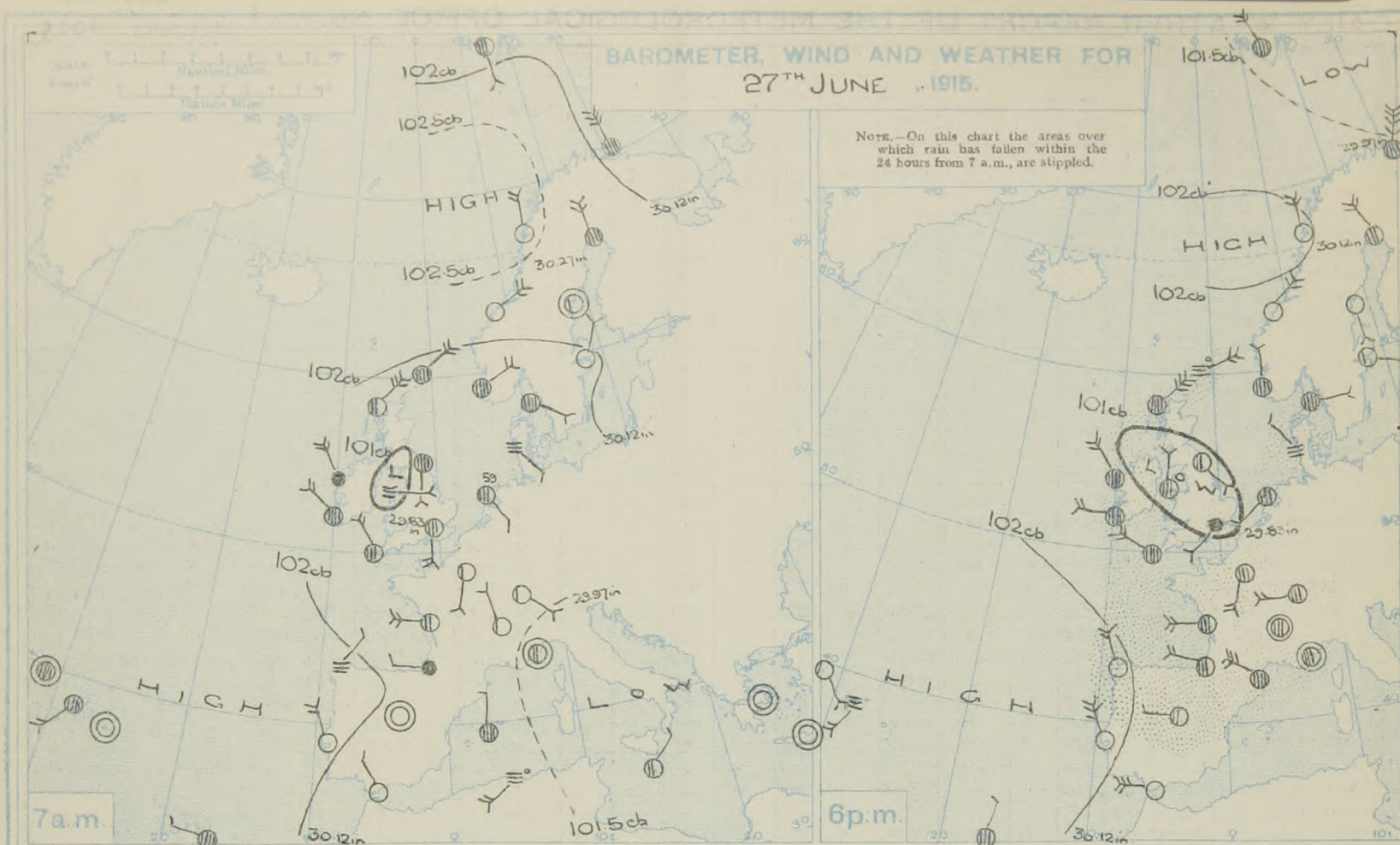
Monday  
28<sup>th</sup> June 1915.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.	
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	Dry Bulb.	Change in 24 hours.	WIND. °F.	Force 0-12.	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.																						Hours.	
	Lerwick	10160	50	ESE	4	m	10125	-2	50	0	ESE	3	-	m	2	1	54	48	om.f	fd	fd	*	
	Deerness	10128	50	NE	4	h	?	?	50	-2	NE	4	-	f	3	6	56	49	od	h.f	h.f	03	
	Stornoway	10127	54	NE	6	odpq	10099	-1	52	-3	NE	5	-	og	5	0.3	58	51	bcopg	odpq	odpq	50	
	Castlebay (Barra Isd.)	10098	58	ESE	3	o	10075	0	55	-6	-	0	-	op	1	0.2	63	53	bcopg	og. o	og. o	47	
	Glasgow	10087	60	ESE	2	o	10086	0	52	-1	ESE	2	-	omc	*	0.3	66	52	om	om. og	om. og	15	
	Eskdalemuir	10082	58	NE	1	om	10079	-1	55	+1	E	2	N	o	*	Trace	65	49	omg	otl. np	om. t	23	
	Malin Head	10085	55	E	2	fe	10068	0	54	0	E	1	NE	bc	2	5	57	52	fe	fe	bc	00	
	Blackod Point	10108	55	NW	4	omg	10091	-2	54	+1	NW	3	-	ofe	3	1	55	52	fe	omg	fe	*	
	Valencia	10129	57	W	3	o	10107	-1	56	0	W	3	W	o	3	1	59	55	o	o	o	00	
	Roche's Point	10127	59	NW	3	o	10110	*	58	+3	W	3	-	o	3	1	59	55	no	opg	o	*	
	Birr Castle	10100	56	W	1	h	10085	*	58	+1	W	1	-	o	*	6	56	53	or	or	c	00	
	Donaghadee	10079	58	-	0	bc	10072	+1	50	-4	E	1	-	fe	1	0.1	60	50	bc	bc	bc	*	
	Liverpool (Bidston)	10082	61	NW	1	h	10077	-1	57	0	-	0	NW	o	1	-	67	54	bc	bc	om	14.5	
	Holyhead	10092	57	N	2	om	10076	0	55	0	SSW	2	W	om	0	-	59	53	ofe	ofe	o. om	0.8	
	Pembroke (St. Ann's)	10110	54	W	3	c	10093	-1	53	0	WSW	3	W	og	3	3	55	52	f	fd	cgb	0.0	
	Scilly (St. Mary's)	10131	56	NW	4	om	10119	-1	56	0	NW	4	W	og	5	-	60	55	om	om	om. o	0.1	
	Falmouth	10124	56	NW	4	h	10118	0	56	0	WSW	3	-	o	2	4	59	54	op. o	odm	or. o	0.0	
	Jersey (St. Aubin)	10133	59	W	4	o	10133	*	57	0	W	4	W	o	3	1	62	54	o. o	o. o	o. o	2.8	
	Portland Bill	10103	54	W	4	cp	10097	-1	55	0	W	5	SW	cp	5	4	58	52	bc	c. p	c. or	*	
	Dungeness	10109	58	SW	3	c	10096	0	57	-1	SW	3	-	o	3	1	63	55	bc	bc. c	bc. c	*	
	Dover	10109	57	SSW	4	c	10094	0	58	+1	SSW	4	W	o	3	0.2	65	54	c. bc	bc. c	bc. c	10.3	
	Wick	10124	50	ESE	3	h	10102	-1	50	-1	NE	2	-	fe	3	13	52	49	omp	omx	fe. fe	*	
	Nairn	10113	52	ESE	3	h	10094	*	53	0	ESE	1	-	omg	2	1	55	51	mod	dm	dm	00	
	Aberdeen	10106	54	NE	1	f	10094	0	55	+1	NE	1	-	om	2	-	57	53	f	f	f. om	00	
	Leith	10089	59	NE	2	h	10087	0	55	+1	ESE	2	-	o	*	-	61	53	ofe	f. o	o	*	
	Tynemouth	10094	59	SE	2	bc	10083	0	55	-1	SE	1	-	ogm	3	-	62	53	of	bc	ogm	*	
	Spurn Head	10091	57	ESE	3	bc	10068	-2	55	-1	N	2	-	f	4	-	65	51	bc	bc	bc	7.6	
	Yarmouth	10100	61	SE	6	bc	10080	-1	57	-4	W	2	-	o	1	1	65	54	c	cd c	omx	9.8	
	Clacton-on-Sea	10095	62	SSW	5	bc	10086	0	57	-1	W	2	W	c	2	2	63	55	bc. cp	bc	bc. cp	8.9	
	Nottingham	10079	63	E	1	c	10078	*	54	-1	W	1	W	om	*	2	68	49	bc	c	c	8.6	
	Bath	10105	59	W	1	o	10092	*	57	+1	W	1	W	o	*	11	67	55	o. or	co	or	2.0	
	Sth Farnborough	10090	60	WSW	2	bc	10087	0	58	+4	WSW	2	-	o	*	16	64	53	or	n. o. bc	otl	2.3	
	London (Kew Obsy.)	10092	62	SW	2	or	10089	0	59	+1	SW	2	-	o	*	9	66	53	or. or	or. or	or. or	10.0	
	Spitsbergen	10137	36	NW	4	o	10132	+1	37	0	S	4	*	o	*	*	37	34	*	*	*	*	
	Vardö	10151	37	NNE	8	o	10110	0	39	0	N	6	N	o	5	*	41	37	*	*	*	*	
	Bodö	10230	46	N	4	h	10193	-1	46	+1	N	2	-	h	2	-	46	41	*	*	*	*	
	Christiansund	10171	50	NE	4	h	10136	-2	50	+4	NE	3	-	h	3	-	54	45	*	*	*	*	
	Skudesnaes	10150	63	SW	1	o	10135	0	61	-2	-	0	-	o	0	-	64	57	*	*	*	*	
	Færder (X'ania Fjord)	10143	57	E	2	o	10114	-2	55	-2	E	3	-	o	3	9	63	54	*	*	*	*	
	The Scaw (Skagen)	10123	55	NW	1	f	10096	-2	55	-2	E	1	-	f	0	Trace	63	48	*	*	*	*	
	Blaavands Huk	10172	57	NW	4	c	10157	-2	48	-2	NW	4	-	c	*	-	59	37	*	*	*	*	
	Haparanda	10190	54	S	2	h	10160	-2	52	0	-	0	-	h	*	-	57	41	*	*	*	*	
	Hernösand	10170	61	ESE	2	h	10147	0	63	+6	SE	2	-	h	*	-	68	48	*	*	*	*	
	Stockholm	10153	63	ESE	2	h	10141	-2	66	+7	ESE	2	N	h	*	-	68	52	*	*	*	*	
	Wisby	10153	63	ESE	2	h	10141	-2	66	+7	ESE	2	-	h	*	-	68	52	*	*	*	*	
	Karlstad	10150	72	-	0	bc	10141	?	63	+2	ESE	2	-	bc	*	-	75	57	*	*	*	*	
	Petrograd (5 a.m. G.M.T.)	10115	63	SW	1	c	10090	0	59	0	SSW	3	-	bc	2	7	68	52	*	*	*	*	
	The Helder	10111	60	SSW	5	c	10096	0	57	-3	SW	5	*	o	4	-	66	55	*	*	*	*	
	C. Gris Nez	10122	60	NW	3	h	10110	*	57	-2	W	5	*	h	5	5	66	50	*	*	*	*	
	La Hève	10172	57	NW	5	o	10147	*	58	0	NW	5	*	c	3	1	59	52	*	*	*	*	
	Ushant	10163	58	NW	5	o	10155	0	57	-2	W	4	*	c	3	1	63	55	*	*	*	*	
	Brest (St. Mathieu)	10172	64	NW	4	o	10172	0	62	-2	NW	3	*	o	*	1	70	59	*	*	*	*	
	Rochefort (Ile d'Aix)	10193	66	NW	3	c	10190	0	64	+4	NW	3	*	o	2	5	68	63	*	*	*	*	
	Biarritz	10127	68	SW	3	h	10139	+1	57	-6	SSW	1	-	o	*	3	72	55	*	*	*	*	
	Paris	10131	70	W	4	c	10153	*	59	*	W	4	*	m	*	3	81	54	*	*	*	*	
	Belfort	10155	62	-	0	c	10162	*	60	-4	NW	3	*	o	*	4	74	56	*	*	*	*	
	Lyons	10155	62	-	0	c	10162	*	60	-4	NW	3	*	o	*	4	74	56	*	*	*	*	
	Nice	10111	64	-	0	c	10074	+1	68	-2	-	0	*	h	1	Trace	77	59	*	*	*	*	
	Pergignan	10154	66	NW	5	o	10163	+1	66	*	NW	4	NW	h	*	1	73	61	*	*	*	*	
	Sanguinaire	?	76	N	3	o	?	*	69	*	W	3	*	m	4	-	82	64	*	*	*	*	
	Corunna (7 a.m.)	10212	66	NW	3	h	10208	0	61	0	SE	4	-	h	1	?	66	52	*	*	*	*	
	Madrid (8 a.m.)	10130	77	W	1	bc	10164	+1	63	-3	N	1	-	h	*	?	82	57	*	*	*	*	
	Lisbon (9 a.m.)	10208	70	NW	5	h	10203	0	64	0	NW	4	-	h	2	-	73	61	*	*	*	*	
	Gibraltar	10183	70	W	5	h	10169	*	66	*	W	4	*	h	1	-	80	65	*	*	*	*	
	Rome	10099	*	*	*	*	10099	0	75	0	NW	5	W	c	2	-	81	73	*	*	*	*	
	Malta (8 a.m.)	*	*	*	*	*	10099	0	75	0	NW	5	W	c	2	-	81	73	*	*	*	*	
	Azores (Horta, 8 a.m.)	10240	*	SSW	3	f	10243	0	61	-4	-	0	*	bc	1	2	73	59	*	*	*	*	
	Madeira (Funchal)	10215	73</																				

## RAINFALL. Equivalents of Millimetres. in Inches.

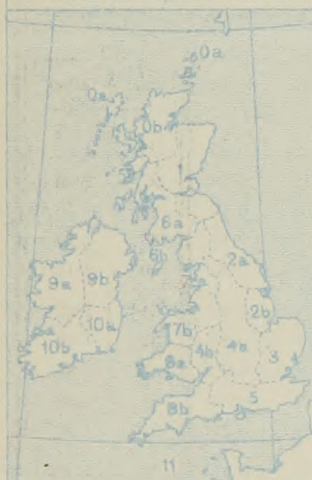
mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
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





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

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

Signals hoisted yesterday.

South Coast.  
North Coast.

Signals hoisted this morning.

South Coast.  
North Coast.

No Warnings Issued,

Western Channel and Bay 11

- Easterly to North-Easterly breezes, fresh at times
- 0 { locally; dull, some rain, coast mist or fog; moderate temperature.
  - 1 { Calms and light variable Easterly breezes; fair to dull, some rain, thundery tendency, coast mist or fog; moderate temperature.
  - 2 { Calms and light variable breezes; fair to dull, some rain, thundery tendency, coast mist or fog; moderate temperature.
  - 3 { Same as No. 5.
  - 4 { Light variable Westerly airs; fair to dull, some rain, thundery tendency; moderate temperature.
  - 5 { Light to moderate Westerly breezes; fair to dull, some rain, thundery tendency, coast mist or fog; moderate temperature.
  - 6 { Same as No. 1.
  - 7 { Same as No. 2.
  - 8 { Same as No. 5.
  - 9 { Same as No. 2.
  - 10 { Same as No. 5.
  - 11 { Moderate North-Westerly breezes; sea moderate to rather rough; fine to cloudy, local mist or fog; cool.

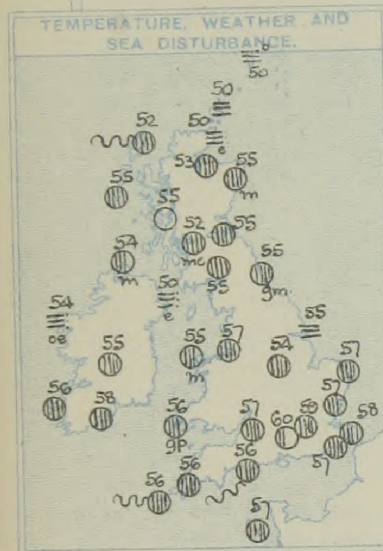
**FURTHER OUTLOOK.**



# SYNOPTIC CHART FOR 7 a.m., MONDAY, 28<sup>TH</sup> JUNE, 1915.

## GENERAL INFERENCE.

The pressure variations are very slight, and afford no indication of any important change in the conditions.



## 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:—

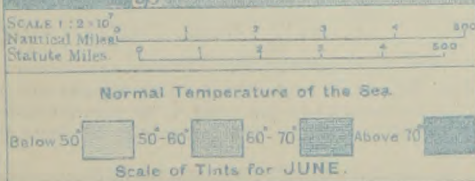
○ clear sky. ○ sky 1/4 clouded. ○ sky 1/2 clouded. ○ sky 3/4 clouded. ○ overcast sky. ● rain falling. \* snow. ▲ hail. ☼ fog. ☼ mist. T, thunder. T, thunderstorm.

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

Inches.  
31

30

29



30

29

28

27

26

25

24

23

22

21

20

19

18

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

0

-1

-2

-3

-4

-5

-6

-7

-8

-9

-10

-11

-12

-13

-14

-15

-16

-17

-18

-19

-20

-21

-22

-23

-24

-25

-26

-27

-28

-29

-30

-31

-32

-33

-34

-35

-36

-37

-38

-39

-40

-41

-42

-43

-44

-45

-46

-47

-48

-49

-50

-51

-52

-53

-54

-55

-56

-57

-58

-59

-60

-61

-62

-63

-64

-65

-66

-67

-68

-69

-70

-71

-72

-73

-74

-75

-76

-77

-78

-79

-80

-81

-82

-83

-84

-85

-86

-87

-88

-89

-90

-91

-92

-93

-94

-95

-96

-97

-98

-99

-100

-101

-102

-103

-104

-105

-106

-107

-108

-109

-110

-111

-112

-113

-114

-115

-116

-117

-118

-119

-120

-121

-122

-123

-124

-125

-126

-127

-128

-129

-130

-131

-132

-133

-134

-135

-136

-137

-138

-139

-140

-141

-142

-143

-144

-145

-146

-147

-148

-149

-150

-151

-152

-153

-154

-155

-156

-157

-158

-159

-160

-161

-162

-163

-164

-165

-166

-167

-168

-169

-170

-171

-172

-173

-174

-175

-176

-177

-178

-179

-180

-181

-182

-183

-184

-185

-186

-187

-188

-189

-190

-191

-192

-193

-194

-195

-196

-197

-198

-199

-200

-201

-202

-203

-204

-205

-206

-207

-208

-209

-210

-211

-212

-213

-214

-215

-216

-217

-218

-219

-220

-221

-222

-223

-224

-225

-226

-227

-228

-229

-230

-231

-232

-233

-234

-235

-236

-237

-238

-239

-240

-241

-242

-243

-244

-245

-246

-247

-248

-249

-250

-251

-252

-253

-254

-255

-256

-257

-258



# PILOT BALLOON ASCENTS for the PAST WEEK. Component Velocities to East and to North in Metres per Second.

Station Date & Hour.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
Eskdalemuir 21 <sup>st</sup> 8h.			Benson 21 <sup>st</sup> 1230h.		Eskdalemuir 22 <sup>nd</sup> 7h.		Benson 23 <sup>rd</sup> 7h.		Benson 26 <sup>th</sup> 12h.									
Heights in Kilometres.	4.5			+4	0													
	4			+2	0													
	3	+4	-4	+4	0	+2	-6											
	2	+8	-5	+1	-1	+3	-1	-6	+1	(+4	-75	+10)						
	1	+4	-3	0	0	-1	+2	-8	+3	+2		+5						
	0.5	-2	-1	-5	-5	-7	-3	-6	0	+2		+9						
	0	-1	+1	0	-2	-3	-1	-6	-4	+2		+6						

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.							Tunbridge Wells ...	0.3	64	52	c. bc	bc op	7.0
Oban ...	14	62	46	bc	bc	0.5	Margate ...		66	56	c	c	9.0
Banff ...	1	54	50	m	m	0.0	Ramsgate ...		64	55	c	c	10.4
Carnoustie ...	14	62	51	bc	bc	4.0	Hastings ...	3	61	54	op bc	o. bc c	2.1
St. Andrews ...				*	*		Bexhill-on-Sea ...	5	62	56	bc oc	c	4.3
England, S.E.							Eastbourne ...	7	61	55	bc op	x. bc m	4.6
Harrogate ...		69	50	bc	bc c o	6.4	Seaford ...						
Skegness ...	2	64	52	bc	bc bc	7.6	Brighton ...	3	61	55	c	c	4.4
England, N.W.							Worthing ...	2	62	55	bc c	c	5.1
Morecambe ...		66	52	bc bc	bc	11.7	Littlehampton ...	1	?	55	bc o	bc o	3.8
Blackpool ...		68	51	bc bc	bc c bc	13.0	Bognor ...	1	61	55	bc o	bc o	5.5
Southport ...							Southsea ...	4	65	59	bc bc	bc	8.3
Midlands.							Bournemouth ...	1	66	52	bc	o	2.4
Buxton ...		65	50	bc c	bc cp	2.7	Weymouth ...	0.3	62	54	bc c	bc	1.1
Leamington Spa ...	2	66	52	bc	bc	3.7	Torquay ...	2	64	54	bc c	c o	3.2
Malvern ...		64	51	bc c	bc ou	4.0	Paignton ...	5	66	53	bc bc	c	3.3
Ross-on-Wye ...							Falmouth ...	5	59	52	op o	od m	0.0
Wales.							Penzance ...		56	53	op	op	0.0
Rhyl ...	0.3	65	54	bc	bc	12.0	Newquay ...	15	61	52	c o	om	0.2
Colwyn Bay ...		64	54	bc	bc	8.5	Ilfracombe ...	1	64	43	bc	thr	1.5
Llandudno ...	3	66	57	bc	bc	8.4	Weston-super-Mare ...	1					
Aberystwyth ...	1	61	54	bc c	c o	2.3							
Tenby ...		64	55	bc bc	bc cu	10.0							
England, E.													
Cromer ...	3	70	52	om bc	cp bc	5.4							
Lowestoft ...		64	55	bc bc	bc cu	10.3							
Felixstowe ...	0.3	64	57	bc c	bc p	7.9							
Walton-on-Naze ...	4	63	56	bc c	c bc bc	6.7							
Southend-on-Sea ...	1	?	56	bc bc	bc bc	7.6							

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.	Min. on Grass.		Fore- noon.	After- noon.	Night.
Greenwich (Royal Obs.) ...	80	78	7.4	70	54	48	3	bc bc bc	bc	c o.
City (Bunhill Row) ...	*	*	4.8	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	86	82	4.3	65	55	52	9	bc bc	bc	u
Camden Sq. (Brit. Rainfall)	-	82	3.8	68	54	52	4	*	*	*
Hampstead (Reservoir) ...	*	55	4.9	63	51	41	3	bc op	p	o
Richmond Park ...	*	*	5.7							
Kew. (See front page.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Total.	Average Rate.		Max. Rate.			
S. Kensington (Roof of M.O.)	-	75	4.3	1340 Joules	22.5 Milliwatts.		9.2 Milliwatts.			

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
	min. §	° F.	° F.	° F.				Hr.
Dublin to 4 p.m.	4	59	54	53	oc. o	o. c	o	*
Darwen to 9 p.m.								
Manchester "				*				
Birmingham "	-	66	50	44	*	c. o	o. c	32
Oxford to 8 p.m.	*							
Teignmouth to 9,,	2	64	54	52	cp	cp cl	cp	10
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	12	64	55	50	bc. c. o	x. oc. c	cl. o	*

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

28 <sup>th</sup> 29 <sup>th</sup> June 1915.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.24	G.M.T. 11.56	G.M.T. 8.18
Greenwich ...	3.24	12.3	8.19
Wick ...	3.9	12.15	9.20
Valencia ...	4.25	12.44	9.3

## NOTES ON YESTERDAY'S WEATHER.

Temperature touched 70° at Cromer, but remained below 60° in many places. Rain fell in most districts, 16 mm. at South Farnborough. A few stations reported thunder or thunder and lightning. Sunshine varied greatly, from none to 13 hours. There was much coast mist or fog.

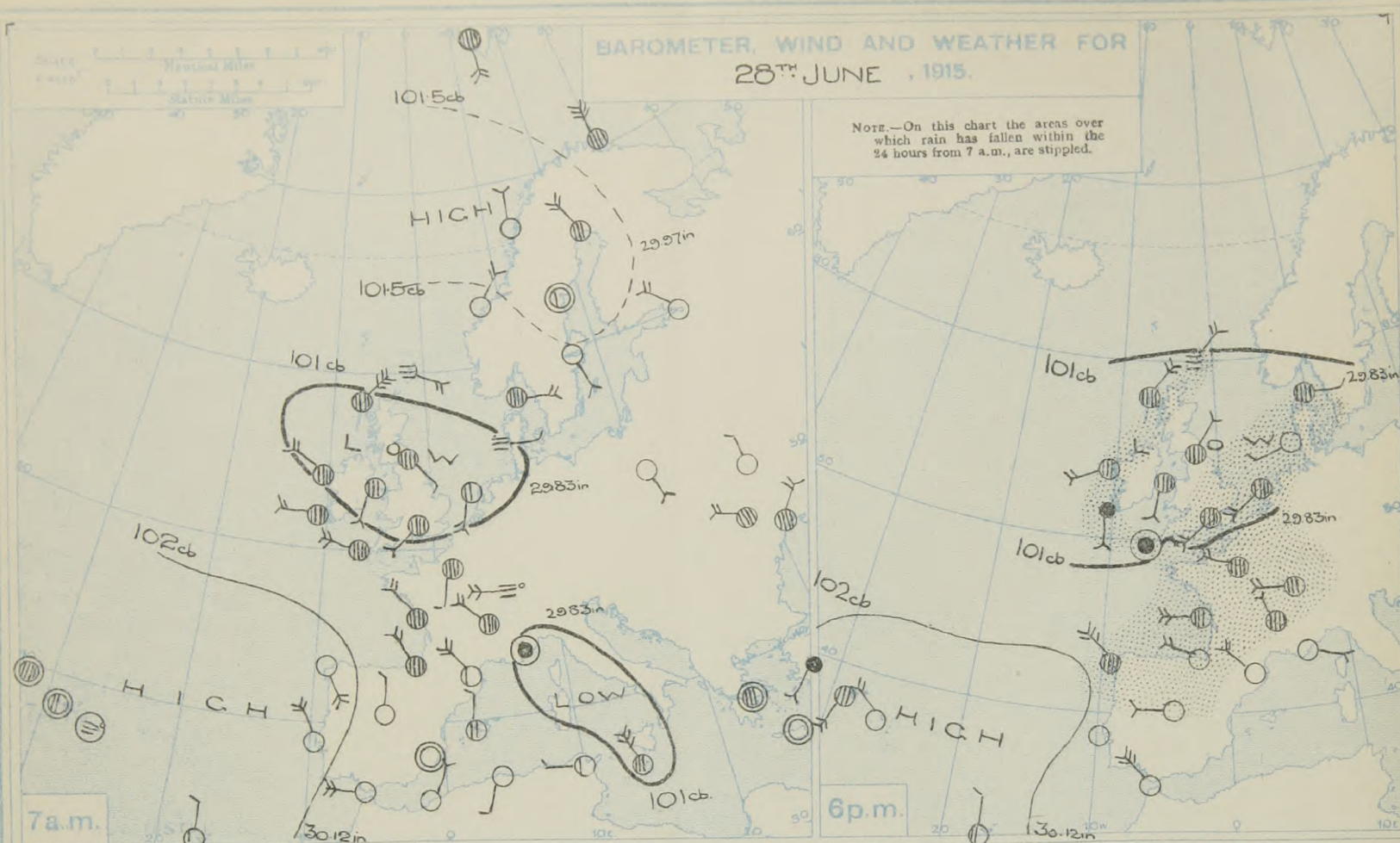
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; 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. and at the bookstalls at certain Railway Termini in London.









**FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.**

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

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

No Warnings Issued.

Western Channel and Bay 11

**FURTHER OUTLOOK.**

- |                           |  |
|---------------------------|--|
| 0 {<br>a }<br>b }         | Light Easterly and North-Easterly winds; cool, dull and misty.   |
| 1 {<br>2 {<br>a }<br>b }  | Calms and light North-Easterly airs; cool, dull, misty, slight rain in places.                                     |
| 3 {<br>4 {<br>a }<br>b }  | Light Westerly and South-Westerly winds; cool, changeable, some rain at first, improving temporarily later.        |
| 5 {<br>6 {<br>a }<br>b }  | Same as Nos. 1 and 2.  |
| 7 {<br>8 {<br>a }<br>b }  | Light or moderate Westerly to South-Westerly winds; cool, cloudy, misty, occasional rain.                          |
| 9 {<br>10 {<br>a }<br>b } | Moderate Westerly to South-Westerly winds, and a moderate sea; cloudy, misty, occasional rain; normal temperature. |



# SYNOPTIC CHART FOR 7 a.m., TUESDAY, 29<sup>TH</sup> JUNE, 1915.

## GENERAL INFERENCE.

No important change is indicated. The shallow depression over north-western Europe is likely to be joined shortly by other disturbances advancing from the Atlantic.



## 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:—

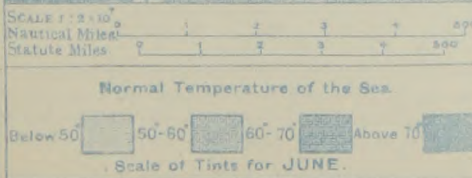
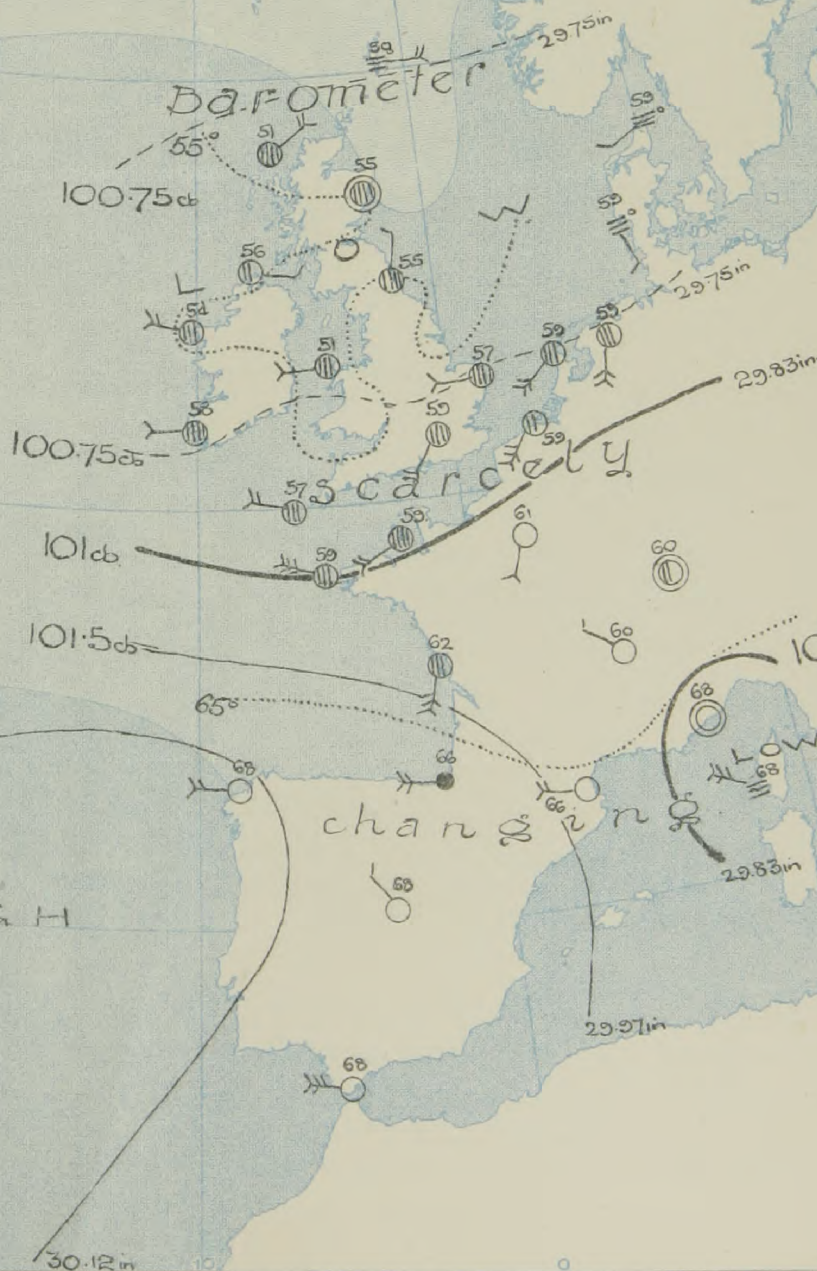
○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded.

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

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

⚡, thunderstorm.

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





## DAILY WEATHER REPORT.

Tuesday, 29<sup>th</sup> June 1915.

REPORTS  FOR  YESTERDAY.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.												
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	
28 <sup>th</sup> June	Petrograd	1013.6	57	WNW	3	6	1013.7	0	52			NW	3	-	6	x	-	68	46

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 5 p.m. Hr.	STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.						° F.	° F.			
Scotland.							Tunbridge Wells ...	4	65	53	o. cl. bc	bc. op. c	2.5
Oban ...		56	49	c	bc	?	Margate ...	2	66	53	cp	cp	2.2
Banff ...	0.3	58	52	o	c. bc	1.3	Ramsgate ...	2	64	53	cp	c	4.4
Carnoustie ...		61	51	o. c	bc	6.3	Hastings ...	4	60	55	bc. o	o. c	0.2
St. Andrews ...		58	52	*	*	2.9	Bexhill-on-Sea ...	9	59	56	bc	c	1.3
England, N.E.							Eastbourne ...	1	62	55	om	bc. bc. om	2.5
Harrogate ...		66	47	bc. bc	bc. bc	5.0	Seaford ...	2	60	55	bc	o	1.5
Skegness ...	9	63	53	o. bc	bc	4.4	Brighton ...	10	62	51	o. c	c. o	1.8
England, N.W.							Worthing ...	1	64	56	c	c. o	1.7
Morecambe ...		65	55	o. bc. bc	bc	7.0	Littlehampton ...	Trace	?	55	o	o	1.2
Blackpool ...		66	54	bc. bc	bc	8.0	Bognor ...	1	62	56	o	o	0.6
Southport ...		64	53	o. c. bc	bc. bc	7.0	Southsea ...	0.1	64	57	bc	c	0.5
Midlands.							Bournemouth ...	1	64	55	bc	o. bc. c	0.2
Buxton ...	3	65	52	c. bc	o. bc	?	Weymouth ...	1	60	56	bc	c. bc. bc	0.1
Leamington Spa ...		68	52	c	bc. c	3.8	Torquay ...	2	62	55	o	o. c. bc	0.9
Malvern ...	10	64	53	o	bc. c	0.0	Paignton ...						
Ross-on-Wye ...	1	64	53	om. bc	om. bc	1.1	Falmouth ...	2	63	54	o	bc. cor	2.3
Wales.							Penzance ...	4	65	55	bc	bc. o	3.8
Rhyl ...	1	63	54	bc	bc. o	2.4	Newquay ...	11	62	54	bc. o	bc. o	3.0
Colwyn Bay ...		61	54	bc	bc. o	1.3	Ilfracombe ...	12	59	54	mo	bc. bc	1.0
Llandudno ...		63	54	c	bc. c	1.3	Weston-super-Mare ...						
Aberystwyth ...	2	57	55	bc. c	c. o	0.0							
Tenby ...		59	54	o	o	1.2							
England, E.													
Cromer ...	5	63	52	o. bc. c	bc. c	2.9							
Lowestoft ...	22	65	53	c. bc. bc	bc. bc	4.0							
Felixstowe ...	18	62	55	op	o. bc	2.4							
Walton-on-Naze ...	5	64	54	bc. c	bc. bc. c	6.3							
Southend-on-Sea ...	2	71	55	c. bc	bc. bc. bc	3.7							

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.										
	%	%	Hr.	° F.	° F.	° F.	mm. §			
Greenwich (Royal Obsy.) ...	73	77	2.0	72	52	46	2	o	ac. op	o
City (Bunhill Row) ...	*	*	2.9	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	85	82	1.9	68	53	49	3	nr	nr.	nr. bc
Camden Sq. (Brit. Rainfall)	97	92	3.0	72	53	50	1	o	g. c.	*
Hampstead (Reservoir) ...	*	73	2.8	67	50	38	3	bc. op	c	o
Richmond Park	*	*								
Kew. (See front page.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Total.		Average Rate.		Max. Rate.		
S. Kensington (Roof of M.O.)	78	58	1.9	114.4 Joules		19.2 Milliwatts.		92 Milliwatts.		

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
	mm. §	° F.	° F.	° F.				Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.								
Manchester "				*				
Birmingham "	-	68	53	48	*	o. c	c. o	2.0
Oxford to 8 p.m.	*							*
Teignmouth to 9 "	2	63	53	54	c. r. c	c	c. 6c	1.4
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	4	69	55	52	bc. c. p.	c. o	c. p. c. p.	*

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

29 <sup>th</sup> June 1915.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.34	11.55	8.18
Greenwich ...	3.35	11.56	8.17
Wick ...	3.47	12.3	8.19
Valencia ...	3.48	12.3	8.18
	3.10	12.15	9.20
	3.10	12.15	9.19
	4.35	12.44	9.3
	4.35	12.44	9.3

## NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to between 65° and 70° in many parts of Great Britain, and reached 71° at Nottingham. Thunderstorms occurred in the north and east of England, and were accompanied in some places by heavy rain, as much as 32 mm. at Yarmouth.

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 id. at M.O. and at the bookstalls at certain Railway Termini in London.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 181.

Wednesday.

30th June 1915.

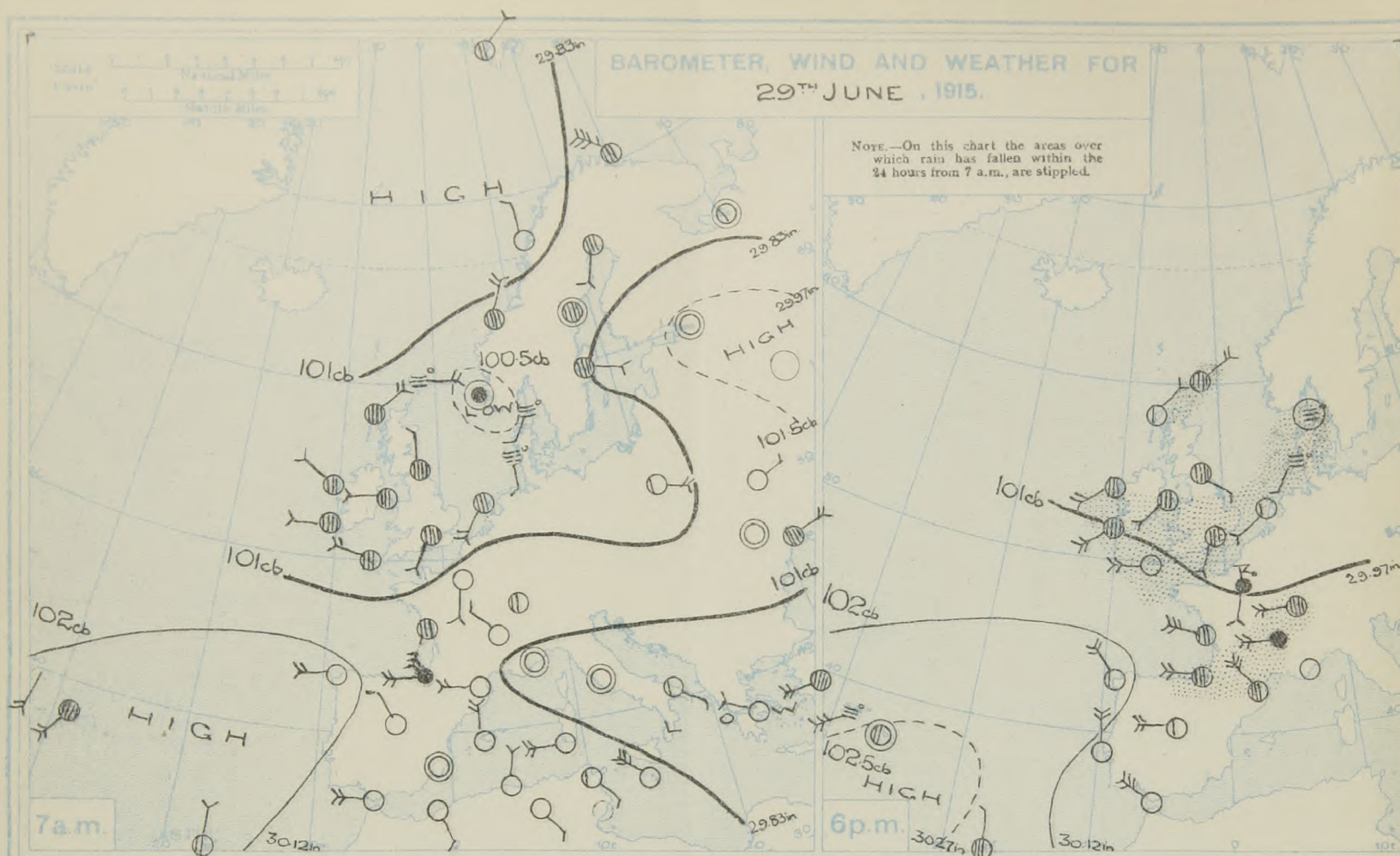
DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 5 hours.	Dry Bulb. °F.	Change in 24 hours. °F.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-3.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	10076	49	NE	3	om	10095	+2	48	-2	NE	4	-	om	3	1	50	47	omd	om	om	Hours.
	Deerness	10068	50	NE	2	o	10098	+	48	-1	N	1	-	o	2	-	54	45	ofc	bc	o	0.0
	Stornoway	10067	58	NE	2	z	10094	+3	51	0	ESE	3	-	oz	3	-	61	50	cm	cm	oz	10.5
	Castlebay (Barra Isd.)	10060	59	WNW	2	bz	10091	+2	54	-2	NW	2	-	o	2	-	62	51	oc bz	cm	oz	3.0
	Glasgow	10056	64	W	2	bc	10086	+3	53	0	-	0	-	m	2	-	68	51	oc bz	cm	oz	4.7
	Eskdalemuir	10051	61	NW	2	ct	10083	+2	55	0	-	0	SW	om	2	-	68	52	oc	bc	oz	5.0
	Malin Head	10067	58	W	2	cg	10095	+2	57	+1	NW	2	SW	om	2	-	64	53	om	om	cg	4.0
	Blackod Point	10071	56	WSW	3	Cloud	10092	+3	54	0	NW	4	NW	om	3	7	62	52	bc	cg	ofc	4.0
	Valencia	10100	58	WSW	4	o	10126	+2	57	-1	W	4	W	c	4	7	63	56	ocp	cg	ofc	0.8
	Roche's Point	10095	59	NW	2	v	10116	+	57	-1	NW	3	-	o	2	6	67	55	ofc	ofc	of	2.0
	Birt Castle	10080	61	W	2	c	10092	+	56	-2	W	2	-	o	2	0.2	63	53	c	of	o	2.0
	Donaghadee	10057	57	SE	2	bm	10083	+2	53	+3	NW	1	-	ogm	1	-	61	49	c	of	ogm	1.3
	Liverpool (Bidston)	10074	60	WNW	1	c	10080	0	58	+2	-	0	SW	bc	1	1	62	56	om	oc	bc	1.3
	Holyhead	10070	59	SW	2	cg	10081	+1	55	+4	NW	3	N	om	2	1	65	54	oc	bc	ofc	4.4
	Pembroke (St. Ann's)	10086	56	WSW	3	o	10099	+2	54	+1	NW	3	NW	cp	3	20	60	53	cp	om	om	3.9
	Scilly (St. Mary's)	10113	60	W	4	cm	10119	0	56	-1	WNW	5	W	bc	5	0.2	63	54	cm	cm	c. bc	7.1
	Falmouth	10107	61	WNW	4	bc	10115	+1	59	+1	W	3	-	bc	2	-	66	55	bc	bc	bc	8.3
	Jersey (St. Aubin)	10116	61	W	3	bc	10128	+	59	0	W	4	-	bc	3	-	64	56	om	bc	og	7.1
	Portland Bill	10084	57	W	4	bc	10094	0	57	+1	W	4	W	c	4	1	61	54	bc	bc	bc	7.1
	Dungeness	?	60	SW	3	bc	?	0	58	+2	SW	3	SW	cl	3	2	61	55	oc	bc	bc	2.3
	Dover	10087	59	SW	3	bc	10090	0	61	+6	SW	3	W	bc	2	1	61	54	d. oc	bc	bc	2.3
	Wick	10067	51	NE	2	m	10099	+2	50	0	NNE	1	-	o	2	0.1	53	48	om	om	om	6.5
	Nairn	10055	57	E	3	cg	10094	+	53	-1	-	0	-	om	1	-	65	49	c. bc	bc	om	6.5
	Aberdeen	10065	55	ESE	2	o	10091	+3	54	-1	N	2	-	o	2	-	60	52	o	o. c. o	o	0.0
	Leith	10056	59	W	2	bc	10087	+2	55	+2	ESE	1	-	o	2	2	62	53	oc. bc	oc	oc	1.5
	Tynemouth	10067	58	SE	1	o	10076	+1	57	+2	NW	1	-	bc	2	-	63	53	bc	bc	om	1.5
	Spurn Head	10078	55	SE	3	f	10075	+4	55	+2	-	0	-	f	3	-	64	51	om	f	f	2.3
	Yarmouth	10078	59	S	1	om	10081	0	58	+1	SW	2	-	om	1	26	66	56	o	om	c. om	1.8
	Clacton-on-Sea	10075	61	S	2	c	10081	0	60	+2	W	2	W	om	2	0.1	63	56	bc	cp	om	4.1
	Nottingham	10063	63	SE	1	c	10075	+	57	+1	SE	1	SE	om	2	4	67	53	oc	cg	bc	1.1
	Bath	10075	67	W	3	bc	10086	+	58	+3	W	2	W	o	2	8	70	55	oc	bc	bc	6.0
	St. Farnborough	10070	67	W	1	bc	10081	0	58	+2	W	1	-	o	2	1	67	54	oc	bc	bc	1.5
	London (Kew Obs.)	10073	69	SW	2	c	10086	+1	58	-1	WSW	2	-	o	2	Trace	70	57	om	oc	bc	3.6
NORTHERN EUROPE.	Spitsbergen	10101	41	NE	4	o	10052		39	+2	SE	3	+	o	2	+	43	34				
	Vardö	10095	41	NNW	5	c	10114	0	46	+7	SSE	1	-	bc	2	+	41	36				
	Bodö	10087	48	N	2	bc	10064	0	49	+3	W	1	-	bc	1	-	48	39				
	Christiansund	10061	50	NE	2	o	10087	+2	46	-4	NE	2	-	o	3	4	54	46				
	Skudesnaes	10053	54	B	2	o	10077	+1	57	+3	-	0	-	o	1	3	59	34				
	Færder (X'ania Fjord)	10059	59	S	2	m	10067	0	59	0	SSW	2	-	o	1	-	59	53				
	The Scaw (Skagen)	10063	59	-	0	m	10074	0	57	-2	WSW	2	-	o	2	2	64	50				
	Blaavands Huk	10073	61	SW	1	m	10092	0	59	0	NW	1	-	m	0	Trace	64	50				
	Haparanda	10097	57	-	0	c	10099	0	57	+5	S	4	W	bc	2	-	61	46				
	Hernösand	10090	55	S	2	bc	10070	0	54	+2	N	2	-	c	2	-	61	48				
FRANCE, &c.	Stockholm	10067	57	ESE	2	o	10053	0	57	-4	E	2	E	o	2	-	64	54				
	Wisby	10069	54	-	0	c	10059	+1	54	-2	-	0	-	bc	2	8	63	54				
	Karlstad	10055	68	WSW	2	bc	10064	0	61	-3	W	2	-	bc	2	-	72	48				
	Petrograd (5 a.m. G.M.T.)																					
	The Helder	10087	61	SW	2	bc	10088	0	61	+2	SSE	1	-	o	0	-	61	50				
	C. Gris Nez	10086	60	SW	4	bc	10090	+1	57	+1	SW	4	+	bc	2	1	66	54				
	La Hève	10073	60	NW	3	o	10104	+	59	+2	W	4	+	o	5	2	61	54				
	Ushant	10143	59	NNW	3	c	10144	+	59	0	NW	5	+	bc	1	-	64	54				
	Brest (St. Mathieu)	10146	61	W	4	c	10159	0	61	+2	WNW	3	+	bc	3	1	68	57				
	Rochefort (Ile d'Aix)	10154	64	WNW	5	c	10172	+1	63	+1	WNW	5	+	o	2	-	68	59				
SOUTHERN EUROPE.	Biarritz	10189	66	WNW	4	c	10203	0	63	-3	WSW	4	+	c	3	3	68	59				
	Paris	10100	61	SSW	1	bc	10130	+1	57	-4	SW	1	-	o	2	4	70	54				
	Belfort	10124	59	W	4	o	10147	+	55	-5	WSW	4	+	o	2	4	73	52				
	Lyons	10137	57	WSW	2	bc	10167	+	59	-1	-	0	+	o	2	4	72	55				
	Nice	10047	73	W	1	bc	10090	+4	68	-	-	0	+	bc	1	-	82	61				
	Perpignan	10144	73	NW	5	c	10183	0	66	0	WNW	3	W	o	2	Trace	79	61				
	Sanguinaire	?	70	NNW	4	f	?	+	67	-1	NW	5	+	m	6	-	82	63				
	Corunna (7 a.m.)	10227	66	NW	4	bc	10242	0	63	-5	SSE	2	NW	bc	1	-	70	55				
	Madrid (8 a.m.)	10144	79	W	3	bc	10200	+1	64	-4	N	1	-	bc	2	-	81	57				
	Lisbon (9 a.m.)																					
AZORES, &c.	Gibraltar	10152	70	NNW	5	bc	10152	+	68	0	NNW	3	+	bc	1	-	77	67				
	Rome																					
	Malta (8 a.m.)						10160	+1	73	0	NNW	4	-	bc	1	-	77	68				
	Azores (Horta, 3 a.m.)	10244	+	SW	5	m	10257	+1	68	+2												

## RAINFALL.

Equivalents of Millimetres.  
in inches.

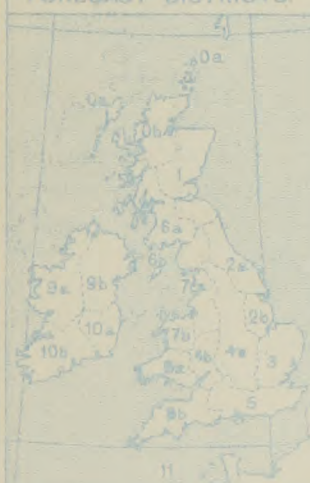
mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
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









**FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.**

**FORECAST DISTRICTS.**



**STORM WARNINGS.**

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

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

No Warnings Issued.

Western Channel and Bay 11

**FURTHER OUTLOOK.**

R. G. K. LEMPFEY, Superintendent, Forecast Division.

W. N. SHAW, Director

0 } Light Northerly and North-Easterly winds; cloudy and misty at first, improving later; remaining cool.

1 } Variable breezes, finally North-Westerly; mostly fair, but slight showers locally; rather cool.

2 } Light Westerly to North-Westerly winds; mostly fair, but slight showers locally; rather cool.

3 } Light to moderate North-Westerly winds; cloudy and misty at first, slight rain locally, improving later; remaining cool.

4 } Moderate Westerly to North-Westerly winds; fair; cool.

5 } Same as Nos. 6 and 7.

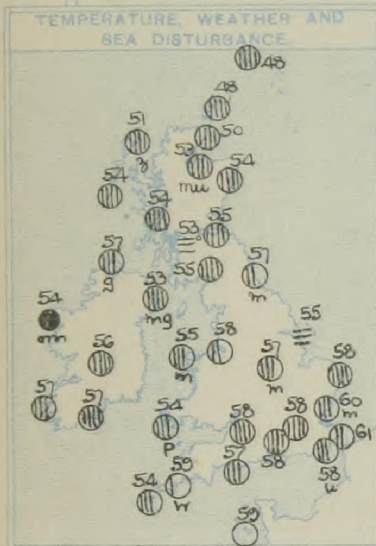
6 } Light to moderate North-Westerly winds, and a moderate sea; mostly fair, but local mists; remaining cool.



# SYNOPTIC CHART FOR 7 A.M., WEDNESDAY, 30<sup>TH</sup> JUNE, 1915.

## GENERAL INFERENCE.

The large shallow depression will continue to move slowly eastward, and in its rear a cool North-Westerly breeze will set in over the United Kingdom generally, with improving weather.



## EXPLANATION.

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

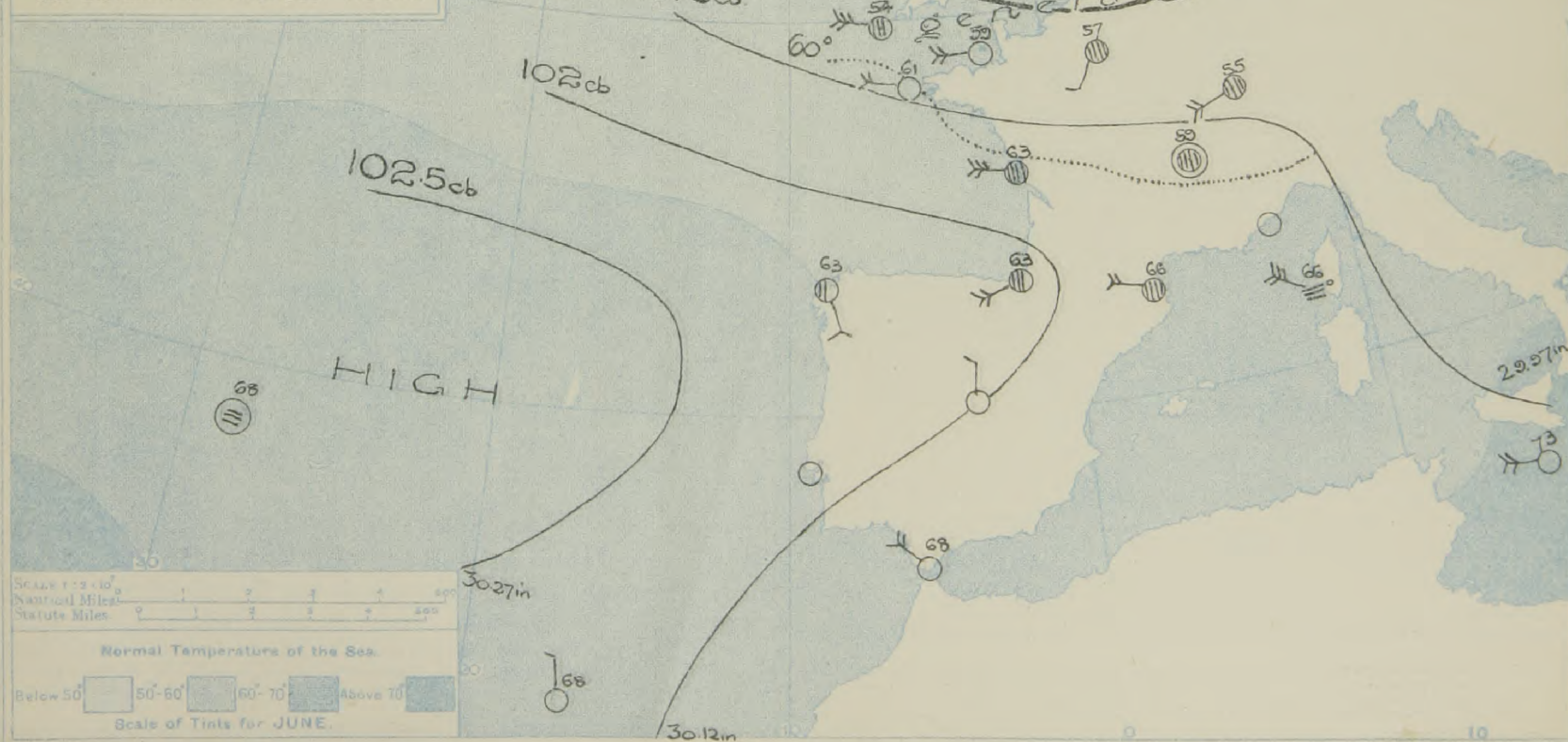
**WIND.**—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm

**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. thunder. thunderstorm.

**SEA DISTURBANCE.**—Rough High





Wednesday, 30<sup>th</sup> June 1915.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

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

## NOTES ON YESTERDAY'S WEATHER.

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



ADDITIONS AND CORRECTIONS  
TO THE  
DAILY WEATHER REPORT.

JUNE, 1915.

Corrections and additions for the month of June are given on this sheet for stations in the British Isles, Scandinavia, Holland, France and "Southern Europe." The data for stations in Iceland have already been published in the form of a separate sheet. Completed maps will eventually be published in the Weekly Weather Report of the Meteorological Office.

Reports which arrived within 24 hours of the date to which they referred were inserted on Page 4 of the Daily Weather Report of the following day.



# ADDITIONS AND CORRECTIONS TO THE

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day. Hours.
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-3.	Rain- fall Milli- metres.	TEMP.		WEATHER.			
				Milli- bars at M.S.L.	Change in 5 hours.		Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.	Max.	Min.					Morning.	Afternoon.	Night.			
																				Direc.	Force 0-12.	
1	Petrograd	1009.1	54	ENE	2	0	1003.9	*	55	+1	SSE	1	*	r	*	1	61	50				
	Belfort	1015.4	57	ENE	5	f	1017.3	*	50	+2	E	4	*	0	*	-	63	47				
2	Petrograd	1005.2	49	SSW	3	r	1009.1	*	52	-3	WSW	4	*	0	*	3	55	44				
	Belfort	1012.9	61	-	0	c	1015.0	*	63	+13	E	3	*	m	*	-	65	50				
	Rome	1017.1	73	-	0	0	1019.9	0	72	+4	N	2	*	c	*	-	81	66				
3	Petrograd	1013.7	52	-	0	0	1012.6	*	50	-2	-	0	*	r	*	-	57	44				
	Rome	1013.6	63	N	2	0	1015.5	*	72	0	SW	1	*	0	*	12	77	66				
4	Petrograd	1013.0	53	W	3	b	1017.6	*	52	+2	W	4	*	b	*	1	57	45				
	Belfort	1016.0	69	-	0	0	1023.5	*	62	0	W	5	*	m	*	2	82	57				
	Nice	1017.2	65	-	0	b	1018.6	*	71	+7	-	0	*	b	2	-	73	59				
	Rome	1018.3	68	W	1	bc	1018.1	*	68	-4	N	1	*	c	*	-	79	63				
5	Petrograd	1019.3	52	W	3	0	1022.7	*	51	-1	NW	2	*	b	*	-	57	44				
	Rome	1012.4	73	-	0	b	1012.2	0	70	+2	ENE	4	*	0	*	1	81	66				
6	Petrograd	1020.8	55	W	1	b	1017.6	*	55	+4	SE	1	*	0	*	-	61	43				
	Belfort	1022.0	74	-	0	m	1023.7	*	63	0	-	0	*	m	*	-	81	56				
	Madrid	1017.3	79	SW	3	b	1019.4	+1	71	+5	-	0	*	b	*	-	82	59				
	Rome	1017.1	72	SE	1	r	1016.2	*	72	+2	N	1	*	b	*	1	82	64				
7	Petrograd	1006.6	51	SE	3	0	1002.3	*	50	-5	W	3	*	0	*	4	*	*				
	Rome	1016.8	73	-	0	0	1017.9	*	64	-8	N	1	*	b	*	-	82	64				
8	Haparanda	1010.3	55	W	2	0	1015.9	*	54	-4	N	4	*	b	*	1	64	45				
	Hernösand	1015.3	57	N	3	b	1019.9	*	54	+2	N	4	*	b	*	-	59	45				
	Stockholm	1016.0	57	SW	2	bc	1019.8	*	59	+4	SSE	2	*	b	*	-	66	48				
	Wibby	1018.1	61	SW	2	b	1022.7	*	55	+1	WNW	2	*	b	*	-	63	50				
	Karlstad	1017.2	72	W	6	b	1020.4	*	54	0	-	0	*	0	*	-	70	46				
	Rome	1017.5	72	N	1	b	1015.0	*	75	+11	N	1	*	b	*	-	84	64				
9	Perpignan	1013.6	70	E	3	b	1013.7	*	68	-2	-	0	*	0	*	-	79	59				
10	Blavands Huk	1013.2	59	NNW	2	0																
	Belfort	1011.5	74	WSW	3	bc	1015.1	*	64	-4	-	0	*	0	*	-	82	60				
	Madrid	1009.0	75	SW	3	0	1014.4	+2	64	-2	E	1	-	0	*	16	81	55				
	Rome	1012.6	68	N	1	bc	1012.8	*	72	0	NE	1	*	b	*	-	79	63				
11	Belfort	1012.4	76	WSW	3	c	1017.7	*	71	+7	W	4	*	b	*	-	82	62				
	Rome	1014.1	68	WSW	1	r	1014.9	*	70	-2	NE	1	*	c	*	-	81	63				
12	Rome	1016.4	66	N	1	b	1016.6	*	75	+5	SSE	1	*	b	*	10	90	63				
13	Belfort	1012.3	74	E	3	c	1017.6	*	66	-4	E	3	*	m	*	-	84	61				
14	Petrograd	994.9	54	W	4	b	993.1	*	52	-1	NW	2	*	r	*	1	59	46				
	Lyons	1014.6	68	NNW	1	0	1014.3	*	69	-2	NNW	1	*	0	*	-	64	64				
	Madrid	1014.3	70	-	0	c	1017.9	+1	62	+1	E	1	*	f	*	2	71	54				
	Rome	1012.6	75	SW	1	c	1012.3	*	73	-4	NE	1	*	bc	*	-	86	73				
15	Petrograd	996.3	58	NW	1	c	1003.0	*	52	0	N	3	*	b	*	1	59	48				
	Rome	1011.9	73	SW	1	c	1012.6	*	73	0	-	0	*	0	*	-	84	70				
16	Petrograd	1009.6	55	NE	3	c	1011.8	*	55	+3	ENE	3	*	b	*	-	59	48				
	Rome	1013.7	68	W	1	c	1014.7	*	64	-9	NE	1	*	tlr	*	32	81	63				
17	Petrograd	1007.5	57	WNW	1	b	1003.1	*	53	-2	SW	1	*	0	*	-	63	46				
	Rome	1013.6	64	NE	1	r	1013.7	*	64	0	N	1	*	b	*	30	70	57				
18	Petrograd	997.2	53	S	4	r	999.0	*	48	-5	WSW	4	*	0	*	3	57	45				
	Ushant	1020.6	59	SSW	1	m	1019.9	*	56	+2	ENE	3	*	m	3	-	70	50				
	Rome	1013.7	70	SW	1	b	1014.7	*	70	+6	N	1	*	bc	*	-	79	59				
19	Rome	1015.3	72	-	0	b	1015.3	*	72	+2	N	1	*	b	*	-	82	63				
20	Rome	1013.3	70	S	1	c	1008.8	*	70	-2	SW	3	*	tlr	*	5	81	66				
21	Petrograd	1009.7	51	W	1	b	1015.1	*	49	+1	WSW	1	*	c	*	7	61	45				
	Rome	1009.4	68	N	1	b	1011.1	*	68	-2	N	1	*	c	*	18	75	61				
23	Petrograd	1018.1	59	NW	2	b	1018.0	*	62	+5	ESE	1	*	b	*	-	64	52				
	Rome	1014.6	70	S	1	bc	1013.7	*	70	-3	E	1	*	0	*	3	79	64				
24	Petrograd	1020.7	58	-	0	c	1014.7	*	61	-1	-	1	*	b	*	3	72	48				
	Rome	1015.3	70	-	0	b	1016.6	*	70	0	NE	1	*	bc	*	-	81	63				
25	Petrograd	1019.0	63	ENE	3	bc	1018.9	*	61	0	WSW	3	*	b	*	-	70	57				
	Rome	1016.7	73	SW	1	bc	1016.4	*	73	+3	-	0	*	c	*	-	82	66				
27	Petrograd	1012.6	58	WNW	4	c	1016.4	*	55	+1	NW	2	*	0	*	-	63	52				
	Belfort	1017.0	70	W	2	bc	1016.7	*	66	+3	E	2	*	b	*	-	76	54				
	Perpignan	1015.4	72	SW	1	c	1016.0	*	66	-7	NW	2	*	r	*	-	82	64				
	Rome	1014.0	75	-	0	b	1012.7	*	75	+3	N	1	*	b	*	-	86	66				
28	Shadesneves	1014.6	55	N	2	0	1011.3	*	59	-2	ESE	4	*	0	*	-	63	46				
	Petrograd	1013.6	57	WNW	3	b	1013.7	*	54	-1	NW	3	*	b	*	-	63	46				



## REPORTS FOR JUNE, 1915.

[illegible]



## CORRECTIONS

[illegible]

## LONDON OBSERVATIONS.

## GALES

Duration and Extreme Force  
in British Islands

[illegible]