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M.O. FORM 2610

METEOROLOGICAL OFFICE,  
LONDON.

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# DAILY WEATHER REPORTS

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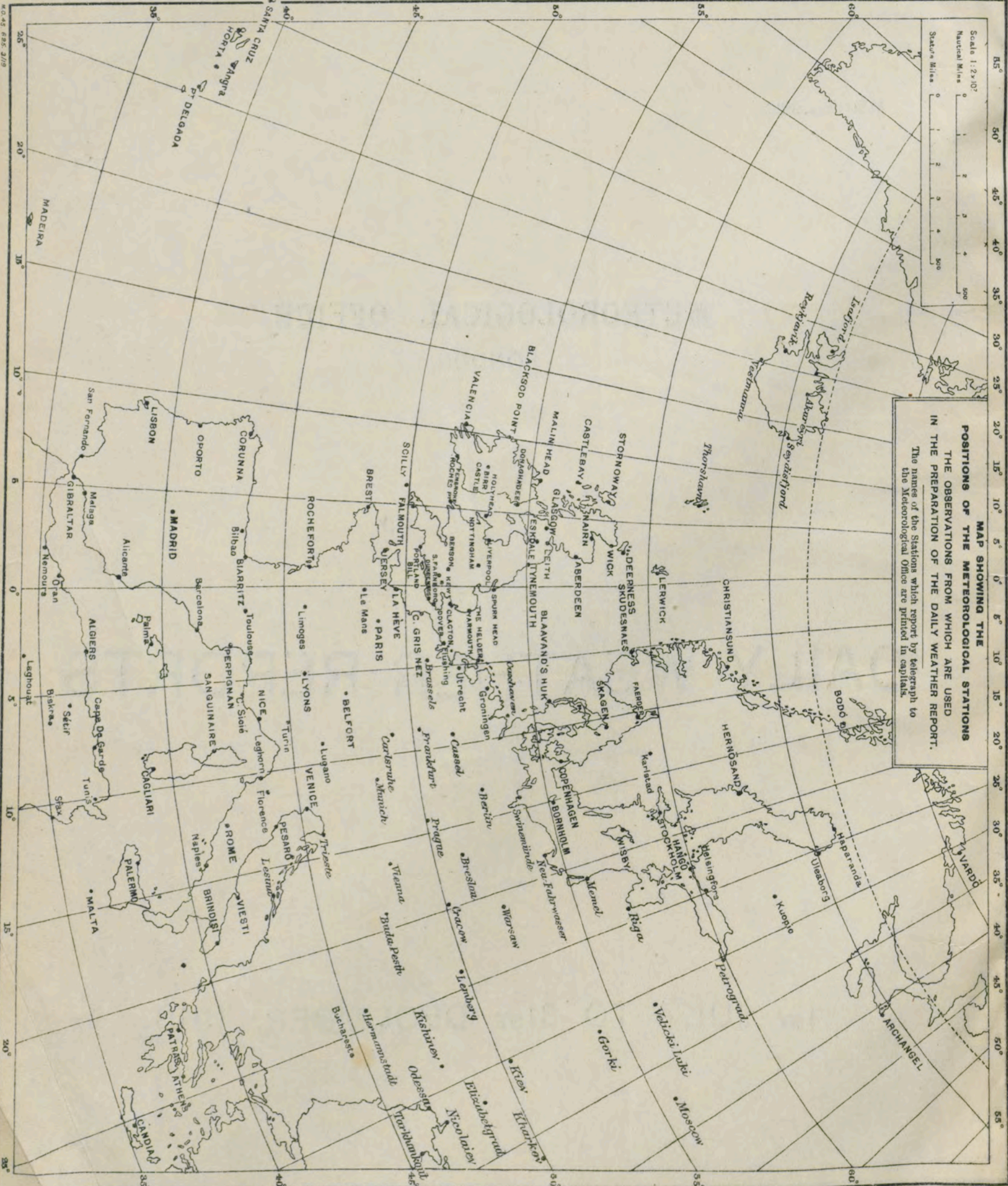
1<sup>ST</sup> JULY TO 31<sup>ST</sup> DECEMBER, 1918.



# DAILY WEATHER REPORT, JULY-DECEMBER, 1918.

Scale 1:2x10<sup>3</sup>  
Nautical Miles  
Statute Miles

**MAP SHOWING THE  
POSITIONS OF THE METEOROLOGICAL STATIONS  
THE OBSERVATIONS FROM WHICH ARE USED  
IN THE PREPARATION OF THE DAILY WEATHER REPORT.**  
The names of the Stations which report by telegraph to  
the Meteorological Office are printed in capitals.





# DAILY WEATHER REPORT. APPENDIX I.

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

THIRD QUARTER, JULY TO SEPTEMBER.

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

JULY.

AUGUST.

SEPTEMBER.

STATIONS.	PRESSURE 1906-1915.  7 a.m. Obser- vations (re- duced to M.S. Level).	AIR TEMPERATURE.								RAINFALL 1881-1915.		BRIGHT SUNSHINE. 1881-1915.		
		Means of				Absolute Extremes.								
		1906-1915.		1881-1915.		1881-1915.								
		Dry Bulb 7 a.m.	Daily Maxi- mum.	Daily Mini- mum.		Maximum.		Minimum.		Days with Rain.	Total Fall.	Daily Mean.	Per Cen- tage of Possible Duration.	
						Temp.	Year.	Temp.	Year.					
		mb.	°F.	°F.	°F.	°F.		°F.			mm.	in.	hr.	%
Lerwick .....	1012.5	51.7	57.0	48.2	70	1897, 1911	37	1888	17	58	2.29	4.68	27	
Stornoway .....	1013.1	53.5	60.2	48.9	76	1894	32	1888	21	77	3.03	5.42	32	
Castlebay (Barra Isd.) ..	1013.2	54.4	58.7	51.6	73	1914	44	1914	18	69	2.70	5.10	31	
Eskdalemuir .....	1014.8	53.8	62.8	46.9	83	1911	34	1911	16	90	3.56	—	—	
Malin Head .....	1013.4	54.5	60.6	52.3	79	1911	42	1888, 1902	19	72	2.84	—	—	
Blackod Point .....	1014.8	56.1	62.2	53.2	80	1894	42	1898	21	80	1.75	—	—	
Valencia .....	1016.3	56.9	63.8	53.8	81	1911	40	1907	21	96	3.78	—	—	
Roche's Point .....	1016.5	56.6	64.7	53.7	76	1887, 1912	43	1907	15	73	2.88	—	—	
Birr Castle .....	1015.4	55.2	66.3	51.3	86	1911	37	1889	17	75	2.95	4.65	29	
Donaghadee .....	1014.6	54.5	63.2	51.8	80	1887	40	1883, 1902	17	71	2.80	—	—	
Liverpool (Observatory) ..	1015.1	56.6	65.7	54.2	88	1901	45	1888, 1907, 13	15	66	2.59	6.03	37	
Holyhead .....	1015.1	56.9	63.3	53.6	85	1901	43	1888	16	66	2.61	5.87	36	
Pembroke (St. Ann's Hd.) ..	1015.7	56.4	62.3	54.5	82	1911	43	1910	14	63	2.47	6.68	42	
Scilly (St. Mary's) .....	1016.7	57.0	64.8	56.2	78	1911	47	1910	15	56	2.22	6.97	45	
Fa mouth .....	1017.0	58.6	65.8	55.1	80	1885	46	1897	15	72	2.84	7.26	46	
Jersey (St. Aubin's) .....	1017.4	60.2	68.3	56.4	87	1900, 1901	44	1907, 1909	13	53	2.10	7.94	51	
Portland Bill .....	1016.2	58.5	64.5	55.8	87	1901, 1912	49	1900, 1907	11	44	1.74	—	—	
Dungeness .....	1015.6	59.1	66.6	55.1	82	1900	40	1890	12	46	1.81	—	—	
Dover .....	1015.5	59.7	66.7	53.8	87	1911	44	1913	14	56	2.19	6.77	43	
Wick .....	1012.9	52.6	60.6	48.4	80	1899, 1901	30	1885	18	67	2.61	—	—	
Nairn .....	1013.0	53.8	64.3	49.1	85	1901	36	1906	18	68	2.68	4.52	27	
Aberdeen .....	1013.5	55.1	62.8	50.3	83	1885	38	1898, 1903	17	71	2.81	5.13	30	
Leith .....	1013.7	55.8	65.8	51.4	83	1901	41	1887, 84, 92, 1903	16	65	2.55	—	—	
Tynemouth .....	1014.2	55.8	64.2	51.3	82	1911	39	1909	14	61	2.40	5.10	31	
Spurn Head .....	1014.4	57.4	65.0	54.3	86	1911	44	1888	12	45	1.78	—	—	
Yarmouth .....	1014.8	58.1	66.2	54.7	87	1881	42	1890	13	59	2.34	6.45	40	
Clacton-on-Sea .....	1015.5	58.8	67.7	54.7	83	1911	40	1902	11	49	1.92	7.00	44	
Nottingham .....	1015.2	57.0	69.7	52.2	92	1881	37	1888	15	61	2.38	5.71	35	
LONDON (Kew Obsy.) .....	1016.1	58.5	71.0	54.3	90	1881	43	1882, 1884	12	55	2.17	6.48	41	
Lerwick .....	1010.4	52.4	57.1	48.4	82	1910	38	1885, 95, 1909	20	76	3.01	—	—	
Stornoway .....	1011.4	53.3	60.0	49.0	75	1897, 1899	33	1888	22	101	3.97	4.29	28	
Castlebay (Barra Isd.) ..	1012.1	53.0	59.3	52.2	75	1911	44	1912	18	83	3.27	4.65	31	
Eskdalemuir .....	1014.0	51.8	61.8	46.5	79	1914	31	1912	18	122	4.79	4.19	29	
Malin Head .....	1011.8	55.0	61.0	52.8	80	1900	42	1912	21	90	3.52	—	—	
Blackod Point .....	1013.0	56.6	62.1	53.4	78	1899, 1911	42	1887, 88, 1912	22	116	4.58	—	—	
Valencia .....	1014.9	57.1	63.9	53.9	81	1899	42	1890, 1912	22	122	4.79	5.00	35	
Roche's Point .....	1015.3	56.8	64.5	53.7	78	1887	41	1912	18	96	3.78	—	—	
Birr Castle .....	1014.1	54.7	65.4	50.8	83	1911	35	1885, 1887	19	97	3.81	4.58	32	
Donaghadee .....	1013.2	54.5	63.1	51.9	78	1899	38	1886	19	84	3.32	—	—	
Liverpool (Observatory) ..	1014.0	56.7	65.0	53.9	87	1911	44	1885	17	78	3.08	5.58	38	
Holyhead .....	1014.0	57.5	63.4	54.0	86	1914	45	1888	17	81	3.18	6.06	42	
Pembroke (St. Ann's Hd.) ..	1014.8	57.4	62.8	55.1	82	1911	46	1912	16	80	3.15	6.16	43	
Scilly (St. Mary's) .....	1015.8	58.7	65.0	56.6	76	1911	48	1912	16	67	2.62	7.10	50	
Falmouth .....	1016.3	58.4	65.4	55.1	77	1909	44	1890	16	83	3.25	6.81	48	
Jersey (St. Aubin's) .....	1017.0	61.2	68.8	57.1	89	1893	45	1890, 1909	14	62	2.44	7.74	54	
Portland Bill .....	1015.6	59.6	65.2	56.5	83	1911	47	1912	12	54	2.12	—	—	
Dungeness .....	1015.4	59.7	67.3	55.3	82	1904	39	1890	12	50	1.98	—	—	
Dover .....	1015.6	59.9	67.1	54.2	89	1911	44	1913	14	58	2.27	6.87	48	
Wick .....	1011.2	52.6	60.6	48.2	85	1893	30	1886	21	70	2.75	—	—	
Nairn .....	1011.4	53.2	61.7	48.7	86	1899	33	1885, 91, 1904	19	61	2.41	4.13	28	
Aberdeen .....	1012.2	54.5	62.4	49.9	81	1882, 99, 1906	33	1885	18	70	2.74	4.84	32	
Leith .....	1012.4	55.5	65.4	51.2	85	1893, 1906	38	1881, 1892	17	75	2.94	—	—	
Tynemouth .....	1013.2	55.5	64.2	51.1	83	1893	38	1912	16	70	2.75	5.55	38	
Spurn Head .....	1013.8	57.7	65.1	54.4	87	1893	45	1909	14	54	2.11	—	—	
Yarmouth .....	1014.7	58.1	66.3	54.2	85	1893	41	1902	14	63	2.47	6.29	44	
Clacton-on-Sea .....	1015.3	59.1	67.5	54.9	85	1911	43	1908, 1915	14	47	1.86	6.87	48	
Nottingham .....	1014.5	58.8	68.4	51.2	94	1911	37	1908	16	63	2.49	5.42	37	
LONDON (Kew Obsy.) .....	1015.8	58.0	69.7	53.5	94	1911	41	1890	13	57	2.24	6.03	42	
Lerwick .....	1015.5	49.7	54.6	46.5	69	1898	34	1887, 1888	20	76	3.01	—	—	
Stornoway .....	1016.5	50.4	57.7	46.2	77	1906	32	1885, 1904	21	100	3.95	3.83	30	
Castlebay (Barra Isd.) ..	1016.5	52.8	56.9	50.2	68	1914	39	1915	16	70	2.75	4.00	32	
Eskdalemuir .....	1017.9	46.3	58.1	41.6	71	1914	27	1910, 11, 14, 15	12	60	2.36	4.27	34	
Malin Head .....	1016.9	52.9	58.9	50.6	84	1906	38	1886	17	67	2.62	—	—	
Blackod Point .....	1017.6	54.6	60.1	51.1	78	1898	39	1899	19	99	3.88	—	—	
Valencia .....	1018.4	54.1	61.8	51.3	79	1898, 1906	35	1899	18	105	4.14	4.43	36	
Roche's Point .....	1019.1	54.6	61.8	51.4	73	1895, 1906, 11, 13	39	1893	16	75	2.97	—	—	
Birr Castle .....	1018.5	50.9	62.1	47.0	80	1906	29	1899	15	58	2.29	4.20	34	
Donaghadee .....	1018.3	52.2	60.3	49.4	75	1906	36	1882, 94, 99, 1909	16	61	2.39	—	—	
Liverpool (Observatory) ..	1018.9	52.6	61.4	50.7	87	1906	39	1885, 1914, 15	15	61	2.41	4.47	36	
Holyhead .....	1018.5	54.9	61.0	51.8	77	1898	41	1912	15	68	2.68	5.60	45	
Pembroke (St. Ann's Hd.) ..	1018.6	54.7	60.8	52.8	74	1895	40	1885	14	69	2.73	5.00	40	
Scilly (St. Mary's) .....	1018.5	56.6	62.5	54.7	74	1911	44	1885, 88, 1912	15	62	2.45	5.60	45	
Falmouth .....	1019.3	55.1	62.1	52.7	75	1906	36	1885	15	74	2.91	5.43	44	
Jersey (St. Aubin's) .....	1019.3	57.7	66.0	54.6	89	1906, 1911	41	1891	14	61	2.41	6.20	50	
Portland Bill .....	1018.7	56.8	62.9	54.1	75	1911	42	1915	12	48	1.88	—	—	
Dungeness .....	1018.4	55.5	64.3	52.0	81	1906	32	1885	13	52	2.05	—	—	
Dover .....	1018.5	55.4	63.8	50.9	87	1911	38	1915	12	50	1.96	6.33	51	
Wick .....	1016.2	50.1	57.8	45.9	78	1898	29	1885, 87, 1907	19	64	2.50	—		

° Results for 30 years, 1886-1915.  
† " 16 " 1900-1915.  
‡ " 15 " 1901-1915.

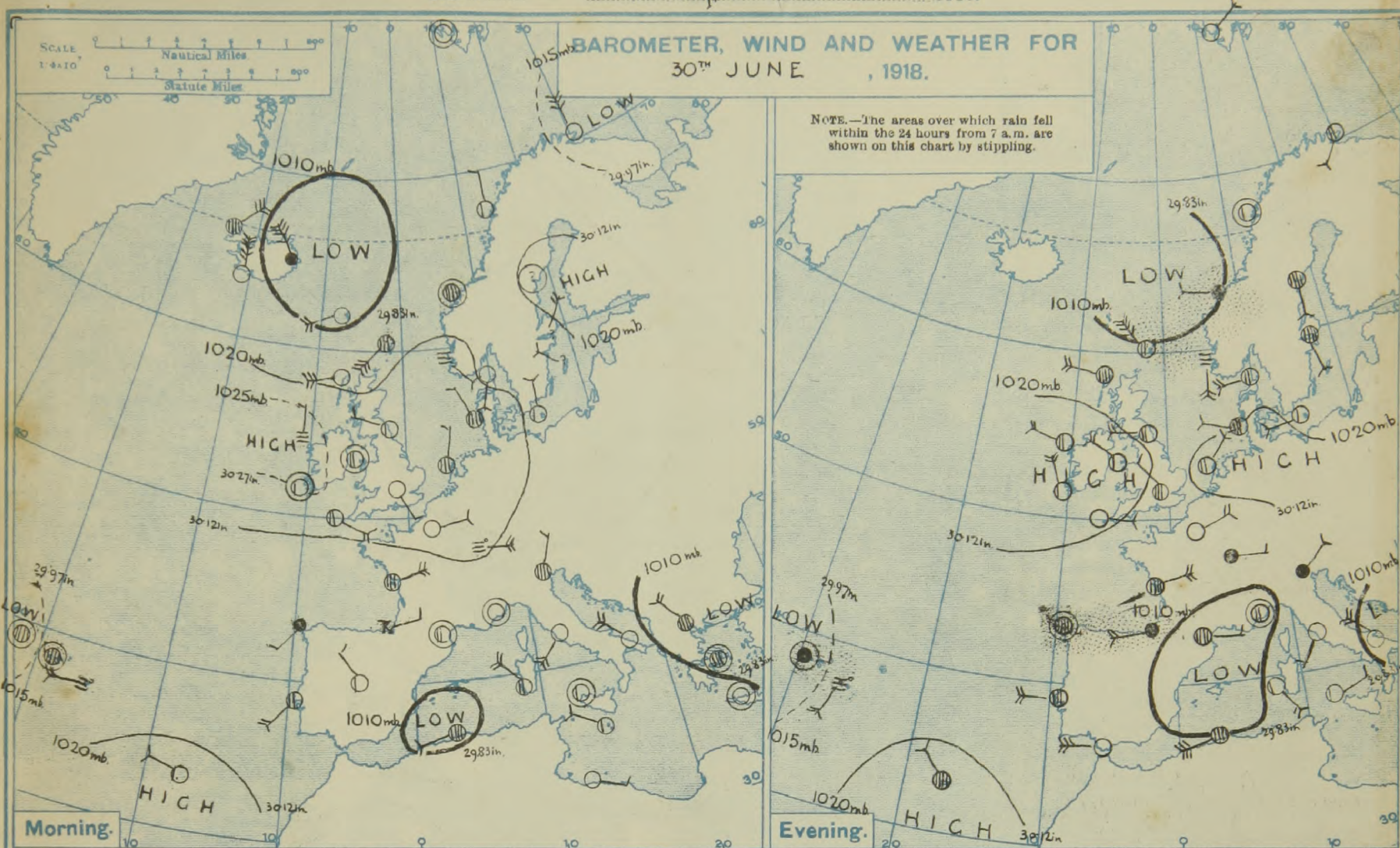


# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,675.

Monday, 1<sup>st</sup> July

1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 30<sup>TH</sup> JUNE

STATIONS.		EVENING OF. 29 <sup>TH</sup> June.					MORNING OF. 30 <sup>TH</sup> June.										MORNING OF. 30 <sup>TH</sup> June.							
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours.	Dirac.		Force 0-12.	
		° F.												° F.	° F.			° F.	° F.					
RUSSIA.	Archangel ...																							
	Petrograd ...													*										
	Moscow ...													*										
SWEDEN.	Hernösand ...	1009.1	52	-	0	b	1021.6	*	59		-	0	?	*	*	*		Isafjord ...	1014.2	43	-5	NE	5	o
	Stockholm ...	1007.5	59	-	0	c	1018.3	*	59		SW	3	?	*	*	*		Reykjavik	1013.2	43	+4	N	4	b
	Wisby ...	1017.5	55	NW	2	c	1019.0	*	55		NW	2	?	*	*	*		Vestmanna	1012.2	43	-2	N	9	b
ITALY.	Venice ...	1014.6	68	NNW	1	b	1013.7	*	64	0	NNE	1	o	1	77	61		Seydisfjord	1006.0	36	-12	NW	8	r
	Turin ...						1013.6	*	68	+4	-	0	b	-	67	61		Thorshavn	1007.7	45	-7	WSW	4	o
	Pesaro ...	1013.8	67	-	0	b	1013.8	*	75	0	?	?	b	-	77	54		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Leghorn ...	1014.9	72	-	0	b	1011.9	*	68	-2	-	0	b	-	77	63								
	Rome ...	1013.7	73	WNW	1	b	1012.3	*	70	0	N	4	b	-	82	59		July 1 <sup>st</sup> to 2 <sup>nd</sup> 1918						
	Viesti ...	1013.5	70	NW	2	bc	1011.3	*	68	?	NW	4	c	-	75	59								
	Brindisi ...						1010.1	*	68	-2	NW	4	b	-	?	?								
	Cagliari ...						1012.1	*	75	-2	NW	4	bc	-	84	64								
	Palermo ...	1014.9	77	NNW	4	b	1012.1	*	66	?	-	0	b	-	86	61								
	Tripoli ...						1014.5	*	81	+8	ESE	1	b	-	90	63								

LONDON		HUMIDITY.		Sun-shine for 30 <sup>TH</sup>	TEMPERATURE.					WEATHER.		
		15 h.	9 h.		Max.	Min.	Min. on Grass.	Rain-fall.		Morning.	Afternoon.	Night.
JULY 1 <sup>ST</sup> 9h. G.M.T.		%	%	Hours.	°F.	°F.	°F.	mm.				
GREENWICH (Royal Observatory) ..		47	71	10.7	79	51	39	-		c	c.b.c.c	bc
CITY (Bunhill Row) ..		*	*	9.7	*	*	*	*		*	*	*
WESTMINSTER (St. James's Park) ..		35	72	9.5	78	53	*	-		bc.b	bc	b
" (Admiralty Arch) ..		44	64	10.6	78	59	*	-		bmb	bc	*
CAMDEN SQ. (British Rainfall) ..		?	64	7.2	82	55	51	-		*	*	*
KENSINGTON PALACE ..		47	52	9.1	78	48	46	-		b3	b	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

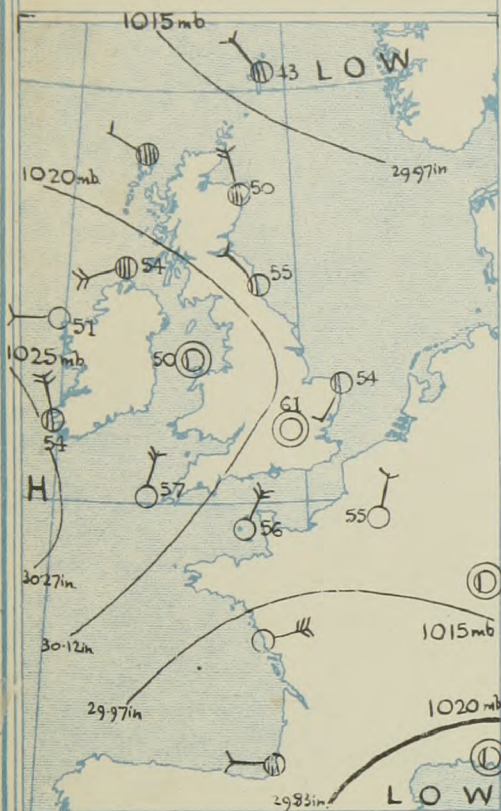
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 30 <sup>TH</sup> JUNE		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1480	25	67

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1<sup>ST</sup>, JULY, at 1h. G.M.T.

THE MORNING OF MONDAY, 1<sup>ST</sup>, JULY 1918, at 7h. G.M.T.

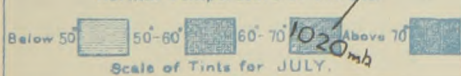


# EXPLANATION.

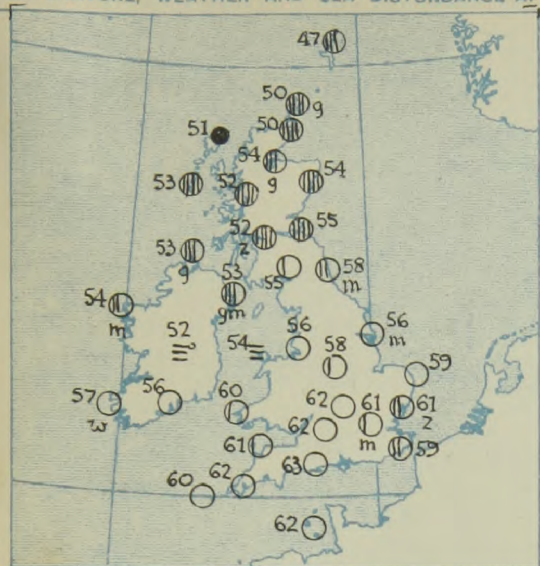
- BAROMETER.**—Isobars are drawn for intervals of five millibars.
- WIND.**—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm.
- TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.
- WEATHER.**—Shown by the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

SCALE 1:2-10  
 Nautical Miles  
 Statute Miles

Normal Temperature of the Sea







GALES.

Derby.  
NW 10 at 15h.  
NW 8 at 17h & 18h.

Notes on the Weather of the 24 hours ended 7h. Today

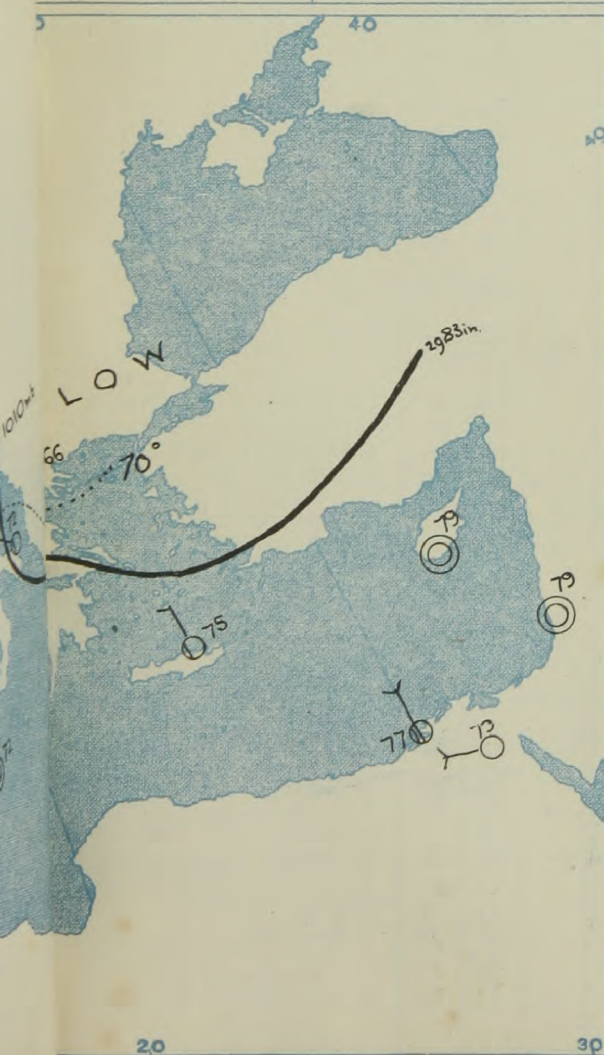
Fine weather prevailed generally over the country with sunshine measurements which ranged up to 15 hours at Jersey. There was more cloud in the extreme north of Scotland but little rain fell. Temperature rose to 79° at Benson and to over 70° at many other stations in the south of England and also in the east of Scotland.

The Conditions at 7h. Today

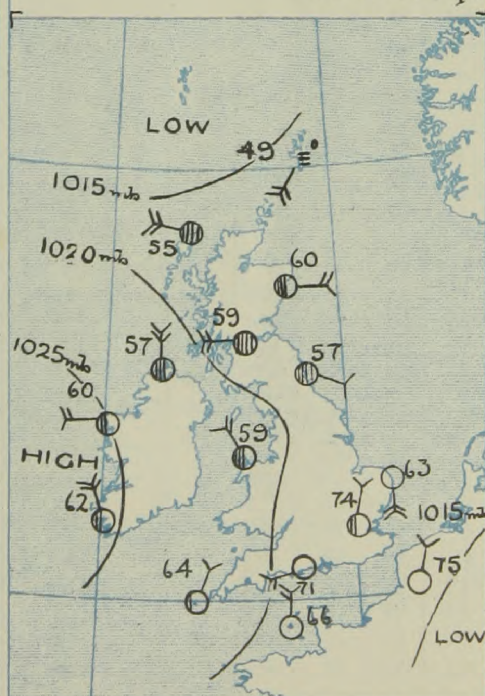
Anticyclonic conditions prevail over Ireland, England and across to North Germany. The depression which has been shown near Iceland for the past two days has now moved eastwards towards the Norwegian coast, after causing fresh or strong W. winds in the north of Scotland. Over the southern half of the British Isles and North Sea very fine weather prevails, but in the North there is a good deal of cloud and rain is reported at Stornoway. A fresh WSW. wind is blowing in the Skagerrak.

The Outlook

Anticyclonic conditions are likely to continue in the south. The north of the country may be affected by the passage eastwards of depressions in the neighbourhood of Iceland.



Monday, 1<sup>st</sup>, JULY, 1918, at 13h. (1p.m.) G.M.T.



No change of importance has occurred during the morning.



STATIONS.	EVENING OF 30 <sup>TH</sup>					MORNING OF 1 <sup>ST</sup>										24 HOURS ENDED 7 h. 1 <sup>ST</sup>					Sun- shine for 30 <sup>TH</sup> Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-15.						Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	1010.0	48	NW	8	bcg	1015.0	0	47	-1	WNW	5	W	c	2	1	51	42	omg	omg	c	9.5
	Deerness (Orkney) ...	1013.9	54	W	5	c	1016.9	*	50	-4	WNW	4	-	og	3	-	60	45	bc.c	cu.pdo	c.og	7.2
	Stornoway ...	1017.6	54	WNW	5	og	1017.3	-1	51	-5	W	3	-	og	2	0.3	60	50	bc.og	og	odp	10.7
	Castlebay (Barra Isd.) ...	1019.6	52	W	4	o	1019.6	0	53	-1	WNW	4	-	o	4	-	58	51	bc.b	b	bc.b	8.0
	Glasgow ...	1019.9	63	WSW	3	bc	1020.2	0	52	-3	W	3	W	og	*	-	65	50	o.c.bc	bc	bc.b	11.4
	Eskailemuir ...	1019.4	61	WSW	4	byg	1019.4	+1	55	+4	SE	1	NW	b	*	-	69	46	ome.bc	byg.by	bu.bw	5.7
	Malin Head ...	1021.2	58	WSW	4	bun	1021.6	0	53	0	NW	3	W	cg	3	-	59	51	om	bun	cg	14.1
	Blacksod Point ...	1024.8	56	WNW	3	bc	1024.0	0	54	0	NW	2	NW	bun	2	-	58	60	ofe	om	bu.om	*
	Valencia (Cahiriveen) ...	1023.0	62	NNW	4	b	1025.0	+2	57	-1	NE	1	-	bun	2	-	69	50	b.bcg	b.b.c.b	b.b.cw	*
	Roche's Point ...	1022.7	63	S	1	bz	1024.0	*	56	+1	N	4	-	b	3	TRACE	65	64	bz.b	bg.bcg	bo.b	0.0
	Birr Castle ...	1022.0	67	N	1	o	1024.1	*	52	-7	N	1	-	m	*	-	67	41	o	o	og	*
	Donaghadee ...	1021.3	56	NNE	4	bz	1021.5	0	53	0	W	3	W	cg	2	-	59	47	og.f.m	bun	bz.cm	*
	Liverpool (Bidston) ...	1021.4	61	NW	2	b	1021.2	0	56	-1	WNW	2	-	b	1	-	65	53	b	b	b	13.5
	Holyhead ...	1021.7	61	NW	3	b	1022.2	0	54	-3	NW	3	-	f	1	-	64	53	b.b.c.b	b	b.b.bf	13.0
	Pembroke (St. Ann's) ...	1021.3	63	NNW	2	b	1021.9	+1	60	+4	NW	3	-	b	0	-	67	54	o.b.c.bz	bz.b	b.b.	10.7
	Hartland Quay ...	1020.2	64	N	3	by	1021.0	0	60	0	NNE	2	-	b	2	-	69	56	b	by	by.b	*
	Scilly (St. Mary's) ...	1021.0	65	E	2	bm	1021.2	0	60	0	NE	3	-	b	4	-	70	56	b	b	b	14.0
	Falmouth ...	1019.9	66	SSE	1	byz	1020.3	+1	62	+1	N	3	-	b	*	-	70	55	b.by	by.byz	b	14.3
	Jersey (St. Aubin) ...	1017.7	67	NE	5	b	1018.6	*	62	+1	NE	1	-	b	1	-	70	58	b	b	b	15.0
	Portland Bill ...	1019.7	63	-	0	b	1019.6	0	63	+5	NE	3	-	b	2	-	65	57	b	b	b	*
	Dungeress ...	1019.0	61	ENE	3	b	1018.5	-1	59	+2	ENE	2	NE	bc	1	-	64	50	b	b	b.b.c	*
NORTHERN EUROPE.	Wick ...	1015.4	54	NW	4	og	1017.2	0	50	-7	SSW	2	-	o	1	-	66	43	bc.og	og	cm.o	*
	Nairn ...	1015.7	63	WSW	4	bc	1017.2	*	54	-5	-	0	-	cg	0	-	71	51	bc.c	bc.c	cg	10.3
	Aberdeen ...	1015.8	69	W	2	bcg	1018.6	+1	54	-7	S	2	-	o	2	-	75	50	b.b.c	b.c.c	b.b.c	10.7
	Leith ...	1017.8	61	W	4	c	1018.6	0	55	-3	W	4	-	o	4	-	70	50	bc.b.c	b	c.b.c	*
	Tynemouth ...	1017.8	72	W	3	bun	1018.9	0	58	-3	NW	3	NW	bun	3	-	74	53	bun	bun	bun	8.8
	Spurn Head ...	1019.9	61	S	2	bun	1019.9	0	56	+2	N	3	-	b	3	-	65	54	cm	bun	bm	*
	Yarmouth (Gorleston) ...	1018.7	59	S	4	bc	1018.1	0	59	+1	S	2	-	b	2	-	63	53	b	b.b.c	c.b.c.b	13.0
	Clacton-on-Sea ...	1019.7	60	SE	3	bz	1019.2	0	61	+3	SSE	2	-	bcz	2	-	64	58	bz	bz	b.bz	13.5
	Nottingham ...	1019.1	72	NW	2	bz	1019.7	*	58	0	SW	1	-	bm	*	-	74	51	b.b.c	bc.b	b.b.c	12.7
	Benson (Oxon) ...	1018.5	78	N	1	b	1019.2	0	62	+4	N	1	-	b	*	-	79	47	b	b	b	*
FRANCE, &c.	Sth Farnborough ...	1018.6	76	NNE	3	c	1019.6	0	62	+8	NNW	2	-	by	*	-	78	51	b.by	by	y.c.bz	11.9
	Salisbury Plain ...	1018.9	73	NNW	3	bc	1019.7	0	62	+6	NNW	3	-	b	*	-	76	50	b	bc	b	*
	London (Kew Obs.) ...	1018.8	74	NW	1	c	1019.3	+1	61	+4	NNW	1	-	bm	*	-	76	54	bm.bz	bz	c.b.c.bz	10.1
	Spitsbergen ...	1013.9	45	NE	2	b	1014.8	+1	48	+2	-	0	*	b	*	-	48	41	*	*	*	*
	Vardö ...	1017.0	48	SW	2	bc	1018.8	0	55	-7	S	2	-	b	2	-	57	46	*	*	*	*
	Bodö ...	1013.6	57	-	0	b	1009.1	+3	63	+6	SW	5	-	c	2	-	57	46	*	*	*	*
	Christiansund ...	1008.7	52	W	2	r	1012.4	+4	48	-6	W	7	-	o	4	-	54	46	*	*	*	*
	Skudesnaes ...	1014.7	52	S	4	f	1016.8	+3	54	+4	-	0	-	b	1	-	54	43	*	*	*	*
	Færder (Kjellerfjord) ...	1014.7	51	S	5	o	1016.2	+3	55	-4	SW	6	-	m	3	-	59	55	*	*	*	*
	The Scaw (Skagen) ...	1019.1	59	WSW	3	bc	1018.3	+1	55	-2	WSW	3	-	o	3	-	64	55	*	*	*	*
IBERIA, &c.	Blaavands Huk ...	1019.9	55	WNW	2	c	1020.8	0	57	+2	SW	1	-	bc	*	-	59	50	*	*	*	*
	Copenhagen ...	1020.3	63	NW	2	b	1020.8	0	59	+2	WNW	1	-	b	*	-	64	?	*	*	*	*
	Bornholm ...	1019.6	59	WSW	2	b	1019.9	0	57	+2	NW	1	-	b	0	-	63	54	*	*	*	*
	The Helder ...	1020.8	61	NE	2	bc	1019.9	0	55	+1	SSE	2	N	b	1	-	61	48	*	*	*	*
	C. Gris Nez ...	1019.8	59	E	1	b	1019.1	0	62	+7	-	0	*	b	1	-	64	52	*	*	*	*
	La Hève ...	1018.4	66	NNE	4	m	1019.2	*	59	+2	ENE	2	*	b	1	-	73	50	*	*	*	*
	Brest (St. Mathieu) ...	1016.4	72	NE	5	b	1019.5	+2	61	-3	NE	3	*	b	1	-	81	50	*	*	*	*
	Rochefort (Ile d'Aix) ...	1010.6	79	ENE	4	o	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Biarritz ...	1011.5	64	WSW	3	r	1013.0	+2	64	-2	W	4	*	r	2	26	72	57	*	*	*	*
	Paris ...	1016.4	72	NE	3	b	1017.6	+1	63	+2	NE	1	*	b	*	-	75	50	*	*	*	*
MEDITERRANEAN.	Belfort ...	1014.7	64	-	0	r	1016.2	*	57	+2	E	5	*	b	*	-	68	46	*	*	*	*
	Lyons ...	1010.8	73	NNE	1	b	1012.4	*	59	+2	N	1	*	b	*	-	79	52	*	*	*	*
	Nice ...	1009.9	84	-	0	bc	1009.9	+1	68	-5	-	0	*	c	?	-	81	59	*	*	*	*
	Perpignan ...	1009.6	70	E	1	o	1009.6	0	70	+2	-	0	*	bc	*	TRACE	79	57	*	*	*	*
	Sanguinaire ...	1010.0	72	S	1	m	1010.0	*	70	?	SW	1	*	o	*	-	84	59	*	*	*	*
	Corunna ...	1014.2	64	-	0	o	1016.6	+3	59	-2	NW	2	-	f	1	16	64	59	*	*	*	*
	Madrid ...	*	*	*	*	*	1017.1	+1	63	-1	W	2	-	b	5	-	72	61	*	*	*	*
	Lisbon ...	1015.9	70	W	4	c	1011.1	+1	64	+1	SSW	4	*	o	2	10	68	63	*	*	*	*
	Azores (Horta) ...	1014.8	*	-	0	r	1015.6	0	66	+2	?SSW	3	*	m	3	7	73	63	*	*	*	*
	" (P. Delgada) ...	*	*	*	*	*	1021.0	0	63	0	W	3	-	b	3	-	72	63	*	*	*	*
MEDITERRANEAN.	Madeira ...	1021.0	68	WNW	2	o	1016.2	*	67	?	WNW	4	*	bc	2	-	80	65	*	*	*	*
	Gibraltar ...	1017.3	68	W	5	b	1016.2	*	67	?	WNW	4	*	bc	2	-	80	65	*	*	*	*
	Palma ...	*	*	*	*	*	1010.8	+1	?	?	WNW	3	-	o	2	-	88	75	*	*	*	*
	Algiers ...	1010.0	75	WSW	6	o	1011.6	+2	72	-1	-	0	-	o	0	-	82	68	*	*	*	*
	Malta ...	*	*	*	*	*	1009.4	0	66	-7	NNW	2	-	b	*	16	76	58	*	*	*	*
	Salonica ...	1008.2	62	-	0</																	

\* Information for these columns not usually received.

+ Received too late for insertion in Charts

+ The barometric change is expressed in half-millibars

## THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-8·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	18·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

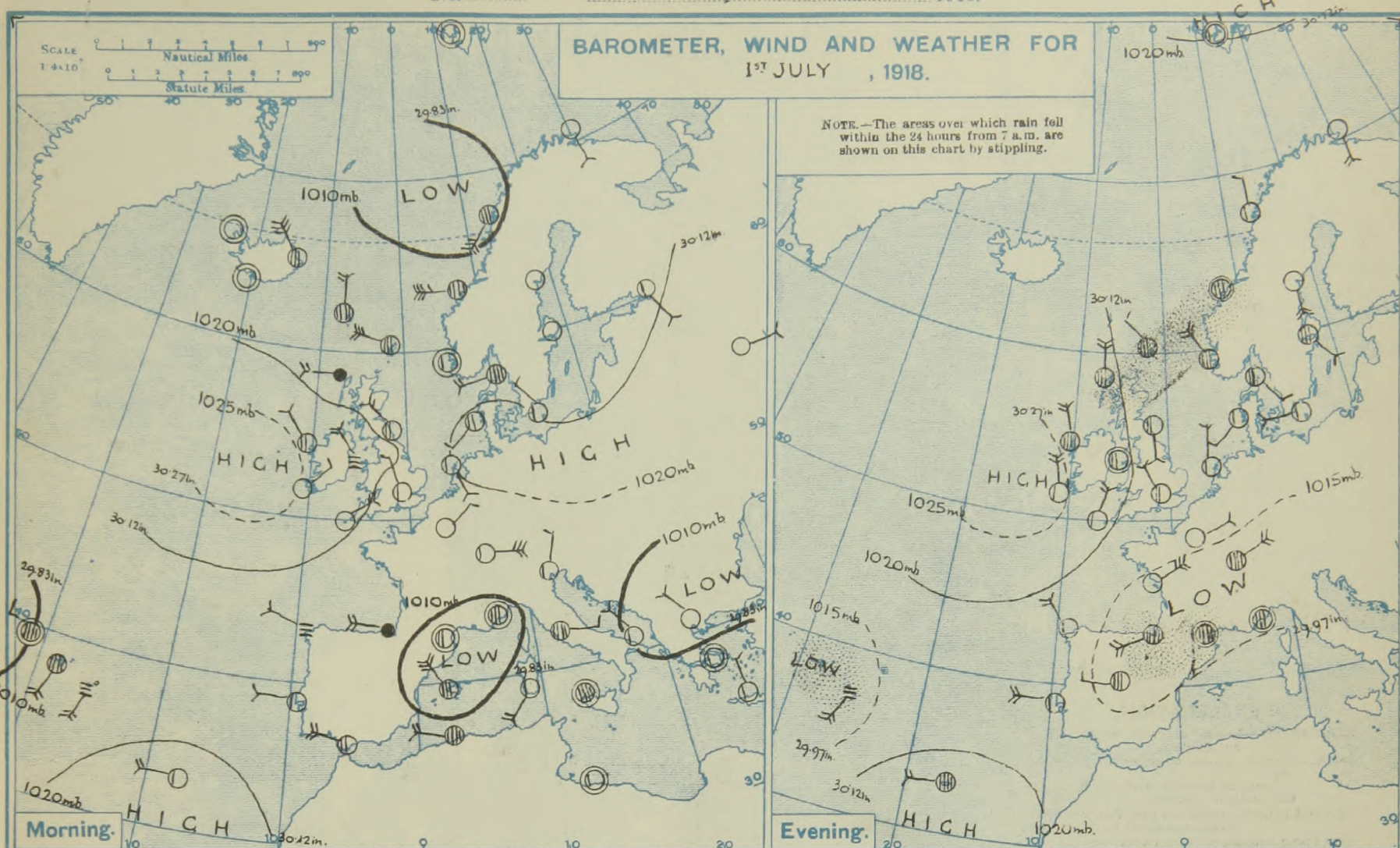


# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20676

Tuesday, 2<sup>nd</sup>

1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF July 1<sup>st</sup>

STATIONS.		EVENING OF 30 <sup>TH</sup> JUNE					MORNING OF July 1 <sup>ST</sup>										MORNING OF July 1 <sup>ST</sup>						
		Barom. Millibars at M.S.L.	TEMP. ° F.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain-fall. Millimetres.	TEMP.		ICELAND.	Barom. Millibars at M.S.L.	TEMP.		WIND.		Weather.	
				Direc.	Force 0-12.		Millibars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.	Force 0-12.		Weather.	Max. ° F.			Min. ° F.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.		Force 0-12.
RUSSIA.	Archangel ...	1018.6	66	-	0	b	1019.5	+1	68	?	SSE	2	b	-	?	?	Isafjord ...	1016.6	55	+12	-	0	b
	Petrograd ...	1021.5	66	NNE	2	b	1022.8	0	64	?	E	2	b	-	*	57	Reykjavik	1017.1	61	+18	-	0	b
	Moscow ...																Vestmanna	1017.0	50	+7	-	0	b
SWEDEN.	Hernösand ...	1017.2	54	SSE	2	o	*	*	*	*	*	*	*	*	*	*	Seydisfjord	1015.6	39	+3	NW	6	c
	Stockholm ...	1017.9	64	SE	2	o	*	*	*	*	*	*	*	*	*	*	Thorshavn	1013.1	48	+3	N	3	o
	Wisby ...	1018.0	59	NNW	2	o	*	*	*	*	*	*	*	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
ITALY.	Venice ...	1010.7	66	NE	2	+	1014.0	*	64	0	NNE	1	b	TRACE	73	59	July 2 <sup>ND</sup> , 3 <sup>RD</sup> 1918.		Sunrise.	Noon.	Sunset.		
	Turin ...	1011.0	73	-	0	b	1015.1	*	57	-11	N	7	o	3	82	57			G.M.T.	G.M.T.	G.M.T.		
	Pesaro ...						1013.5	*	64	-11	NNE	2	o	-	77	54							
	Leghorn ...						1010.6	*	68	0	SW	2	o	-	82	66							
	Rome ...	1011.1	72	SW	1	b	1011.4	*	68	-2	E	1	o	-	82	63							
	Viesti ...						1012.6	*	73	+5	-	0	c	-	77	61							
	Brindisi ...	1009.3	70	NW	4	b	1008.1	*	72	+4	NW	2	b	-	72	57							
	Cagliari ...	1013.4	84	SE	3	b	?	*	73	-2	SW	3	b	4	84	63							
	Palermo ...	1011.7	72	ENE	1	b	1011.6	*	68	+2	-	0	o	-	81	61							
	Tripoli ...						1010.7	*	80	-1	-	0	b	-	90	72							

LONDON July 2 <sup>nd</sup> 9h. G.M.T.	HUMIDITY.		Sun-shine for 1st	24 HOURS ENDED 9 h. 2 <sup>nd</sup>				WEATHER.		
	15 h.	9 h.		TEMPERATURE.			Rain-fall. mm.	Morning.	Afternoon.	Night.
	%	%		Max. °F.	Min. °F.	Min. on Grass. °F.				
GREENWICH (Royal Observatory) ..	47	65	9.6	82	59	45	-	bc	bc	bc
CITY (Bunhill Row) ..	*	*	10.3	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ..	47	71	11.0	81	56	51	-	*	*	*
" (Roof near Charing Cross) ..	44	61	11.7	81	56	*	-	bc	bc	*
CAMDEN SQ. (British Rainfall) ..	48	66	10.5	84	56	53	-	b	b	*
KENSINGTON PALACE ..	48	62	10.2	81	55	52	-	b	b	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

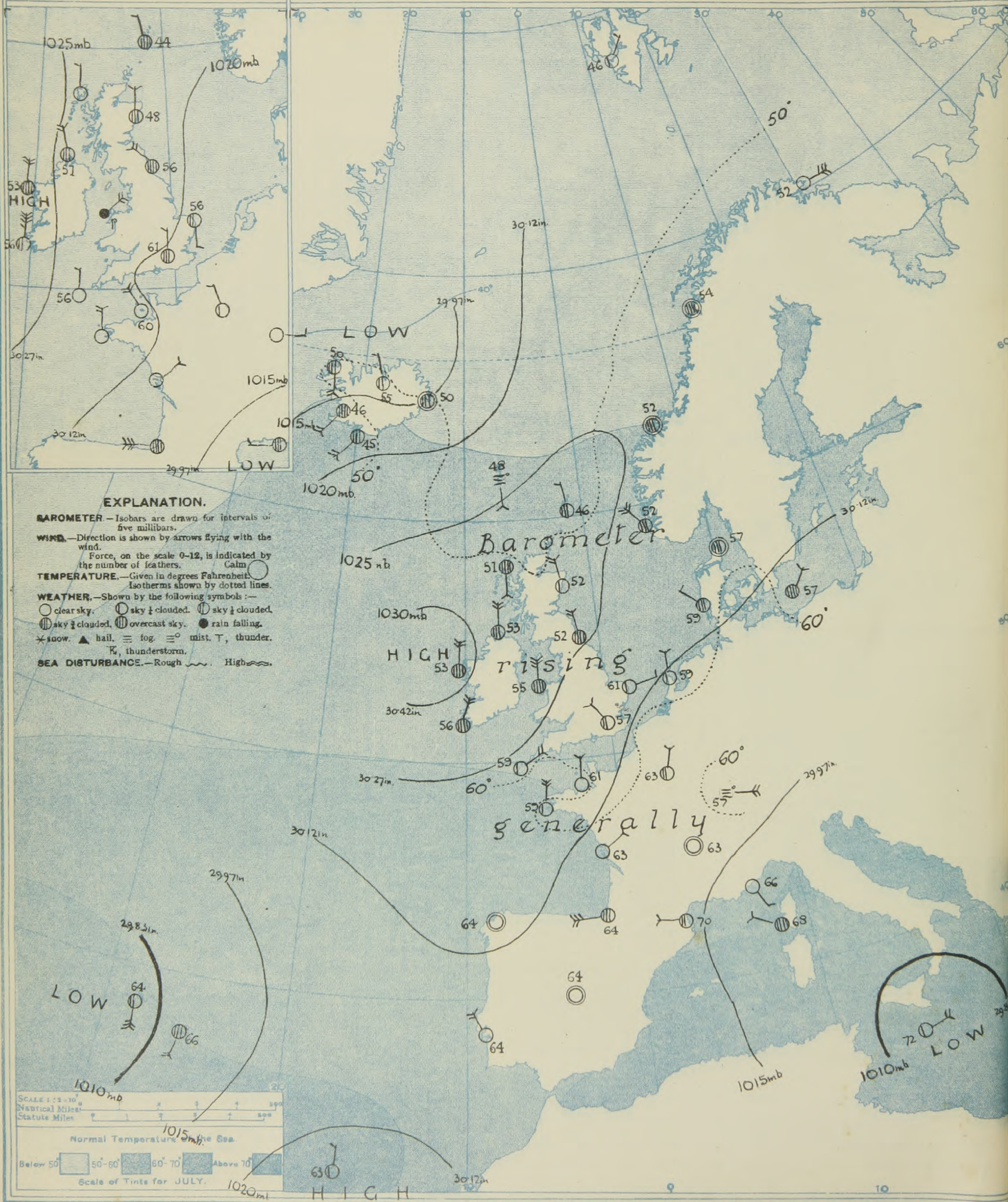
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 1 <sup>st</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1780	29.9	75

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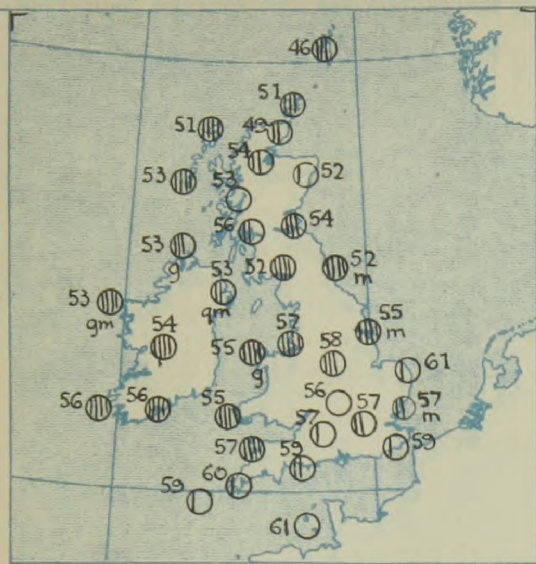


2<sup>ND</sup>, JULY, at 1h. G.M.T.

THE MORNING OF TUESDAY, 2<sup>ND</sup>, JULY 1918, at 7h. G.M.T.







## GALES.

Notes on the Weather of the 24 hrs ended 7h. Today

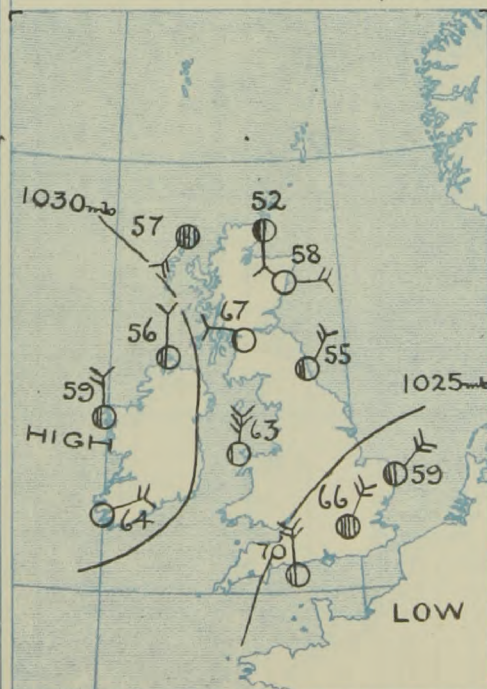
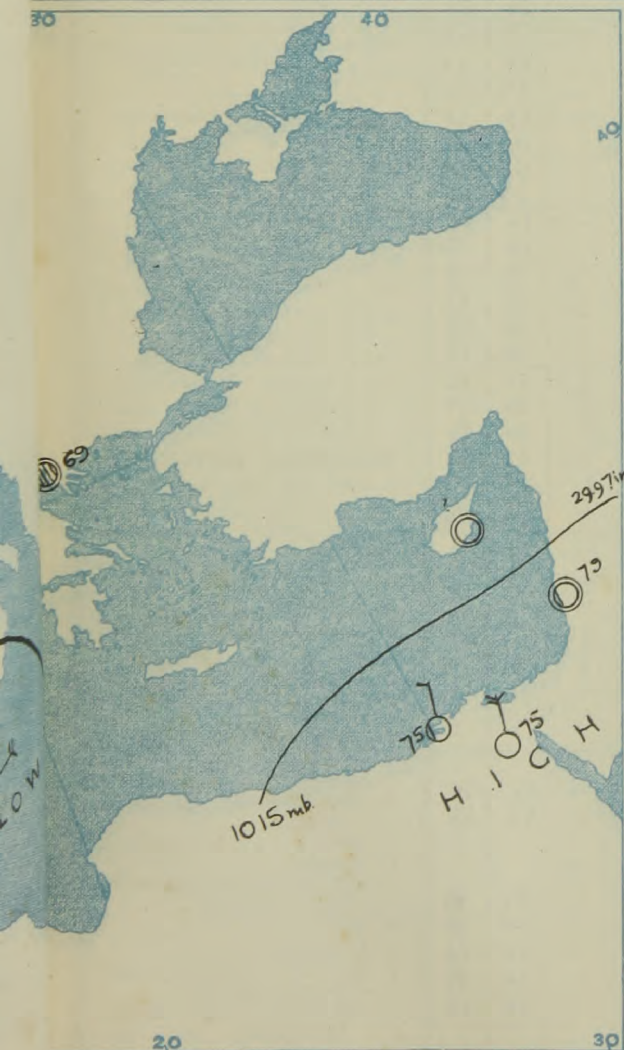
Good sunshine measurements were again recorded in England and Ireland but in Scotland there was much cloud and slight rain fell. Temperature rose to  $80^{\circ}$  in the south-east of England but not above  $60^{\circ}$  in Scotland.

The Conditions at 7h. Today

An anticyclone which lies off the west of Ireland is spreading eastward over the British Isles. A fresh depression is shown in the Iceland region. Pressure is very uniform over Scandinavia and winds are light or calm in that region. A shallow low pressure area is still shown over the Mediterranean. Over the British Isles winds are from N, generally of moderate force. Weather is fair in the east of Scotland and the SE. of England, but dull in Ireland, Wales and North England. On the further side of the North Sea fair or fine weather prevails.

The Outlook

The depression shown in the Iceland region may cause some backing of the wind current in North Scotland with showery weather, but further south fair anticyclonic conditions are expected to continue.

TUESDAY, 2<sup>nd</sup> JULY, , JULY, 1918, at 13h. (1p.m.) G.M.T.

The barometer is still rising generally over the British Isles.



STATIONS.	EVENING OF 1 <sup>ST</sup>					MORNING OF 2 <sup>ND</sup>										24 HOURS ENDED 7 h. 2 <sup>ND</sup>							Sun- shine for 1 <sup>ST</sup>
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
Lerwick ...	1018.4	50	NW	1	cm	1026.2	+4	46	-1	NNW	1	-	c	1	1	53	41	omd	cm	cm			
Deerness (Orkney) ...	1018.6	51	NNW	3	o	1027.1	*	51	-1	NNW	3	W	c	2	4	52	41	og od	d.rmo	o.c	0.0		
Stornoway ...	1020.3	54	N	4	c	1027.9	+2	51	0	S	2	-	o	1	0.3	56	46	opd	o.c	b.o	1.2		
Castlebay (Barra Isd.) ...	1021.1	54	WNW	4	o	1028.2	+3	53	0	W	3	NW	o	3	-	56	49	odm	do	c.b.o	0.2		
Glasgow ...	1019.6	55	W	3	og	1027.0	+5	56	+4	NE	1	N	bc	*	-	59	50	o.g	cu.g	a.c.b.bc	1.7		
Eskdalemuir ...	1019.1	57	WNW	3	og	1026.9	+4	52	-3	NE	3	-	o	*	-	63	50	b.bc	bc.gp	og.omo	9.9		
Malin Head ...	1022.2	52	NNW	2	omd	1028.2	+3	53	0	N	4	N	cg	4	0.1	59	50	om	omd	bc	1.7		
Blacksod Point ...	1024.8	56	NNW	3	omg	1030.7	+4	53	-1	N	4	-	omg	3	-	61	50	bcg	bcg	omg om	*		
Valencia (Cabraveen) ...	1025.7	61	NNW	4	b	1028.8	+3	56	-1	NNE	4	-	o	3	-	64	55	b.bc	bc.b	b.b.c	15.5		
Roche's Point ...	1023.1	68	NW	4	b	1028.0	*	56	0	NNE	2	-	o	1	-	71	56	b.bc	bc.b	b.o	*		
Birr Castle ...	1022.1	68	N	1	c	1029.0	*	54	+2	N	1	-	o	*	-	72	51	og	c	o	10.3		
Donaghadee ...	1020.3	55	NNE	4	ogm	1026.2	+1	53	0	N	4	N	bunq	4	Trace	61	52	ogm	bun	omgpd	*		
Liverpool (Bidston) ...	1020.5	58	WNW	3	bc	1024.4	+3	57	+1	NNW	2	NE	o	1	0.1	60	54	bc	b.bc	op	13.4		
Holyhead ...	1021.0	59	-	0	bc	1026.0	+2	56	-1	N	5	-	og	4	-	63	50	fb.bc	c.b.bc	bos.ao	9.4		
Pembroke (St. Ann's) ...	1021.8	64	NW	2	bc	1025.4	+3	55	-5	N	3	-	o	2	-	67	52	b	b.bc	bc.bco	13.0		
Hartland Quay ...	1021.3	63	N	3	b	1024.6	+2	57	-3	NNE	4	-	o	3	-	64	56	b	b	b.bco	*		
Scilly (St. Mary's) ...	1022.4	62	NNE	3	b	1024.5	+1	59	-1	NE	3	N	b	3	-	66	55	b	b	b	14.5		
Falmouth ...	1020.4	66	N	4	by	1024.2	+2	60	-2	N	3	-	b	*	-	76	54	b	b.by	b	14.5		
Jersey (St. Aubin) ...	1018.7	69	N	2	b	1021.0	*	61	-1	N	2	-	b	2	-	73	57	b	b	b	14.0		
Portland Bill ...	1018.2	65	WNW	3	bc	1020.8	+2	59	-4	NNE	5	N	bc	3	-	71	56	b	b.bc	bc	*		
Dungeness ...	1017.7	62	E	2	b	1019.5	+2	59	0	NNE	2	-	b	1	-	68	55	b.c.b	b.d.c	b.c.b.c	*		
Wick ...	1018.5	51	NW	2	omp	1027.1	+2	49	-1	WNW	2	-	bc	0	2	54	41	omp	omp	om.b.c	*		
Nairn ...	1018.4	55	-	0	og	1026.9	*	54	0	W	1	-	bc	1	0.1	60	46	cg.o	og	odg.c	0.2		
Aberdeen ...	1018.7	55	NE	2	o	1027.2	+4	52	-2	NNW	3	N	b	2	0.2	60	48	o.c	c.ot.o	a.c.b	1.4		
Leith ...	1018.0	60	W	4	c	1026.8	+2	54	-1	E	1	NE	c	2	-	64	53	a.c.bc	c.b.c	c.o.c	*		
Tynemouth ...	1018.1	57	S	2	bun	1025.4	+5	52	-6	NNW	3	-	om	3	-	64	52	bun	bun	om	*		
Spurn Head ...	1018.8	59	ESE	2	b	1022.9	+3	55	-1	NNE	2	-	om	2	-	63	53	b	b	otm	10.5		
Yarmouth (Gorleston) ...	1017.6	61	SSE	3	bc	1020.4	+4	61	+2	ENE	1	-	b	1	-	65	55	b	b	b.b.c	12.6		
Clacton-on-Sea ...	1018.3	62	ESE	2	c	1020.6	+2	57	-4	NW	3	NW	bun	2	-	66	53	bcg	bcg.c	c.o.bun	11.8		
Nottingham ...	1018.1	69	WNW	3	bc	1023.3	*	58	0	N	3	N	c	*	-	78	53	b	b.bc	bc.c	11.3		
Benson (Oxon.) ...	1016.8	76	NNE	1	bc	1021.9	+3	56	-6	N	3	-	b	*	-	80	49	b	b	bm	*		
Sth Farnborough ...	1017.3	77	SW	2	bcg	1021.9	+2	58	-4	N	3	N	bcg	*	-	80	53	bcg	bcg	bc.bm	13.4		
Salisbury Plain ...	1017.5	76	NW	3	bc	1022.5	+2	57	-5	N	3	-	b	*	-	77	48	b.bc	bc	bc	*		
London (Kew Obs.) ...	1016.9	78	NNW	2	bc	1021.7	+3	57	-4	NW	2	NW	bc	*	-	79	54	bz.bc	bc	b.bz.bc	10.7		
Spitsbergen ...	1020.0	50	-	0	b	1021.9	+1	46	-2	NE	1	*	b	*	*	59	41						
Vardö ...	1018.6	54	S	3	b	1024.2	+1	52	-3	E	5	-	b	3	*	59	46						
Bodö ...	1017.6	54	N	1	b	1022.3	+2	54	-9	-	0	-	o	6	-	55	50						
Christiansund ...	1018.4	52	-	0	c	1024.2	+3	52	+4	-	0	-	c	1	3	52	46						
Skudesnaes ...	1018.2	62	NW	4	c	1023.4	+1	52	-2	NW	4	-	c	2	-	55	46						
Færder (Kjellerfjord) ...	1017.4	55	ENE	6	m	1021.2	+2	57	+2	S	2	-	c	2	-	57	54						
The Scaw (Skagen) ...	1017.6	59	SE	1	bc	1020.7	+2	57	+2	-	0	-	c	0	-	63	48						
Blaavands Huk ...	1019.4	63	SW	1	b	1020.6	+1	59	+2	NW	1	-	c	*	-	64	48						
Copenhagen ...	1019.2	61	-	0	bc	1019.5	0	61	+2	-	0	-	c	*	-	64	52						
Bornholm ...	1018.8	61	W	2	b	1018.3	+1	57	0	NE	2	-	o	0	-	63	54						
The Helder ...	1018.7	63	N	2	b	1019.8	+1	59	+4	N	2	NW	b	1	-	66	55						
C. Gris Nez ...	1017.8	63	ENE	3	bc	1020.8	+2	60	-2	-	0	*	b	0	-	68	54						
La Hève ...	1018.3	61	NNE	3	m	1020.8	*	59	0	SW	1	*	o	*	-	73	55						
Brest (St. Mathieu) ...	1020.8	66	NNE	3	m	1022.2	+2	59	-2	N	4	*	b	*	-	75	55						
Roche fort (Ile d'Aix) ...	1018.4	79	NE	4	b	1019.1	+3	63	?	NE	2	*	b	*	-	90	57						
Biarritz ...	1014.2	66	WSW	4	o	1019.1	+3	64	0	WSW	5	*	c	*	6	66	63						
Paris ...	1015.6	75	NE	2	b	1019.6	+2	63	0	NNE	2	*	bc	*	-	77	52						
Belfort ...	1011.9	68	-	0	o	1019.2	*	57	0	E	4	*	m	*	-	72	48						
Lyons ...	1011.2	72	NNW	3	b	1016.6	*	63	+4	-	0	*	b	*	-	75	54						
Nice ...	1011.2	66	-	0	c	1015.1	+1	66	-2	SSE	1	*	b	*	-	77	59						
Perpignan ...	1011.8	66	-	0	o	1015.8	+3	70	0	W	2	*	bc	*	4	84	64						
Sanguinaire ...	1016.4	70	NW	1	o	1013.0	*	68	-2	NW	2	*	o	5	-	73	59						
Corunna ...	1018.6	64	NW	3	b	1023.4	+2	64	+5	-	0	-	b	1	-	66	59						
Madrid ...	1010.3	73	W	1	c	1019.1	+3	64	?	-	0	-	b	*	Trace	77	59						
Lisbon ...	1017.5	70	W	4	b	1018.4	+1	64	+1	NNW	3	-	b	5	-	73	61						
Azores (Horta) ...	1011.2	*	SE	?	?	1010.8	0	64	0	S	4	*	b	4	28	73	61						
„ (P. Delgada) ...	1014.6	*	SSW	4	f	1014.2	+1	66	0	SSW	3	*	c	3	8	68	66						
Madeira ...	1020.2	70	W	3	o	1021.5	0	63	0	N	1	-	b	1	-	70	63						
Gibraltar ...																							
Palma ...																							
Algiers ...</																							

## THE BEAUFORT SCALE OF WIND FORCE.

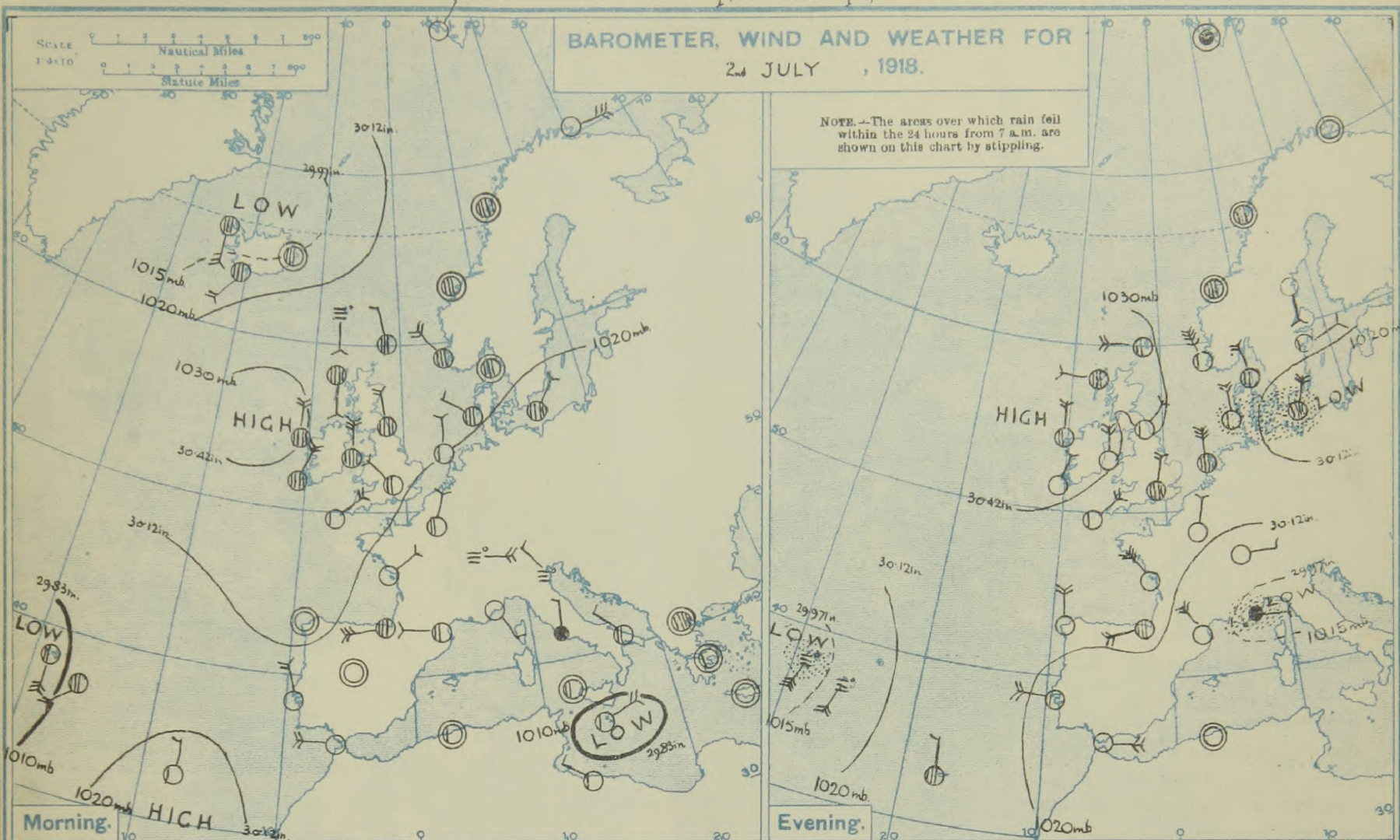
No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.1
11	64-75	28.5-33.5
12	Above 75	33.6 or above



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20677

Wednesday, 3<sup>rd</sup> July, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 2<sup>nd</sup> July

STATIONS.		EVENING OF 1 <sup>st</sup>					MORNING OF 2 <sup>nd</sup>										MORNING OF 2 <sup>nd</sup>							
		Barom. Milli- bars at M.S.L.	Temp.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.	
		° F.							° F.	° F.				° F.	° F.			° F.	° F.					
RUSSIA.	Archangel ...													*	*		Isafjord ...	1019.0	45	-10	SW	3	c	
	Petrograd ...													*	*		Reykjavik	1017.5	46	-15	SW	3	o	
	Moscow ...													*	*		Vestmanna	1013.2	50	0	S	3	c	
SWEDEN.	Hernösand ...	1017.6	59	S	4	b		*						*	*	*	Seydisfjord	1015.0	50	-11	-	0	c	
	Stockholm ...	1018.0	66	SE	2	c		*						*	*	*	Thorshavn	1023.3	48	0	S	2	m	
	Wisby ...	1017.6	64	NE	2	c		*						*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
ITALY.	Venice ...	1013.3	68	S	1	c	1013.0	*	64	0	WNW	1	m	-	73	61	July 3 <sup>rd</sup> 4 <sup>th</sup> 1918.		Sunrise.		Noon.		Sunset.	
	Turin ...	1013.8	64	-	0	bc	1013.4	*	66	+9	-	0	b	-	70	55			G.M.T.		G.M.T.		G.M.T.	
	Pesaro ...	1014.1	59	-	0	b	1013.7	*	72	+8	-	0	b	2	72	50								
	Leghorn ...	1012.1	70	-	0	b	1012.9	*	66	-2	-	0	b	-	77	59								
	Rome ...	1012.6	63	NE	1	r	1012.5	*	61	-7	N	1	r	10	79	61								
	Viesti ...						1014.1	*	66	-7	-	0	o	TRACE	77	63								
	Brindisi ...	1012.5	72	SW	2	bc	1012.5	*	68	-4	NNW	1	bc	-	77	66								
	Cagliari ...							*																
	Palermo ...	1011.1	70	-	0	r	1011.8	*	72	+4	-	0	bc	2	77	64								
	Tripoli ...						1010.7	*	75	-5	NW	1	bc	TRACE	95	73								

LONDON 3 <sup>rd</sup> July 9h. G.M.T.	HUMIDITY.		Sun-shine for 24 h.	24 HOURS ENDED 9 h. 3 <sup>rd</sup>				WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.	Rain-fall.	Morning.	Afternoon.	Night.
	%	%		°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory) ..	66	66	4.0	69	48	32	-	b.o	c.o	b
CITY (Bunhill Row) ..	*	*	5.5	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ..	56	59	5.6	71	51	46	-	*	*	*
" (ROOF NEAR CHARING CROSS) ..	59	60	6.3	69	52	*	-	o	c.bc	*
CAMDEN SQ. (British Rainfall) ..	58	55	6.2	74	48	45	-	bc	bc	*
KENSINGTON PALACE ..	62	65	6.0	70	49	41	-	bc	c	*

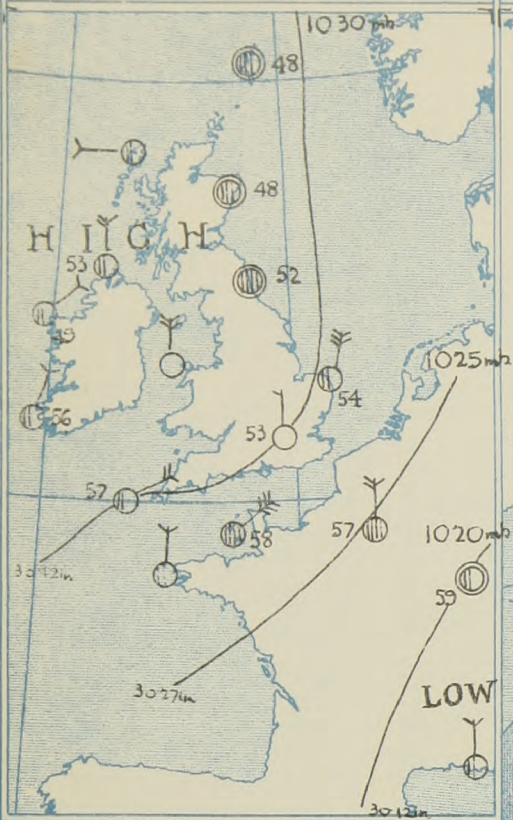
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 2 <sup>nd</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1460	24.6	69.0
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 rd. at Meteorological Office.		



3<sup>rd</sup>, JULY, at 1h. G.M.T.

THE MORNING OF WEDNESDAY, 3<sup>rd</sup>, JULY 1918, at 7h. G.M.T.



**EXPLANATION.**

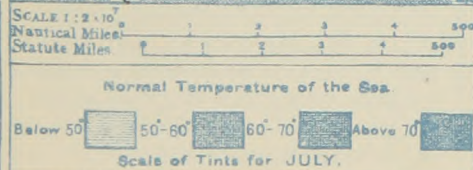
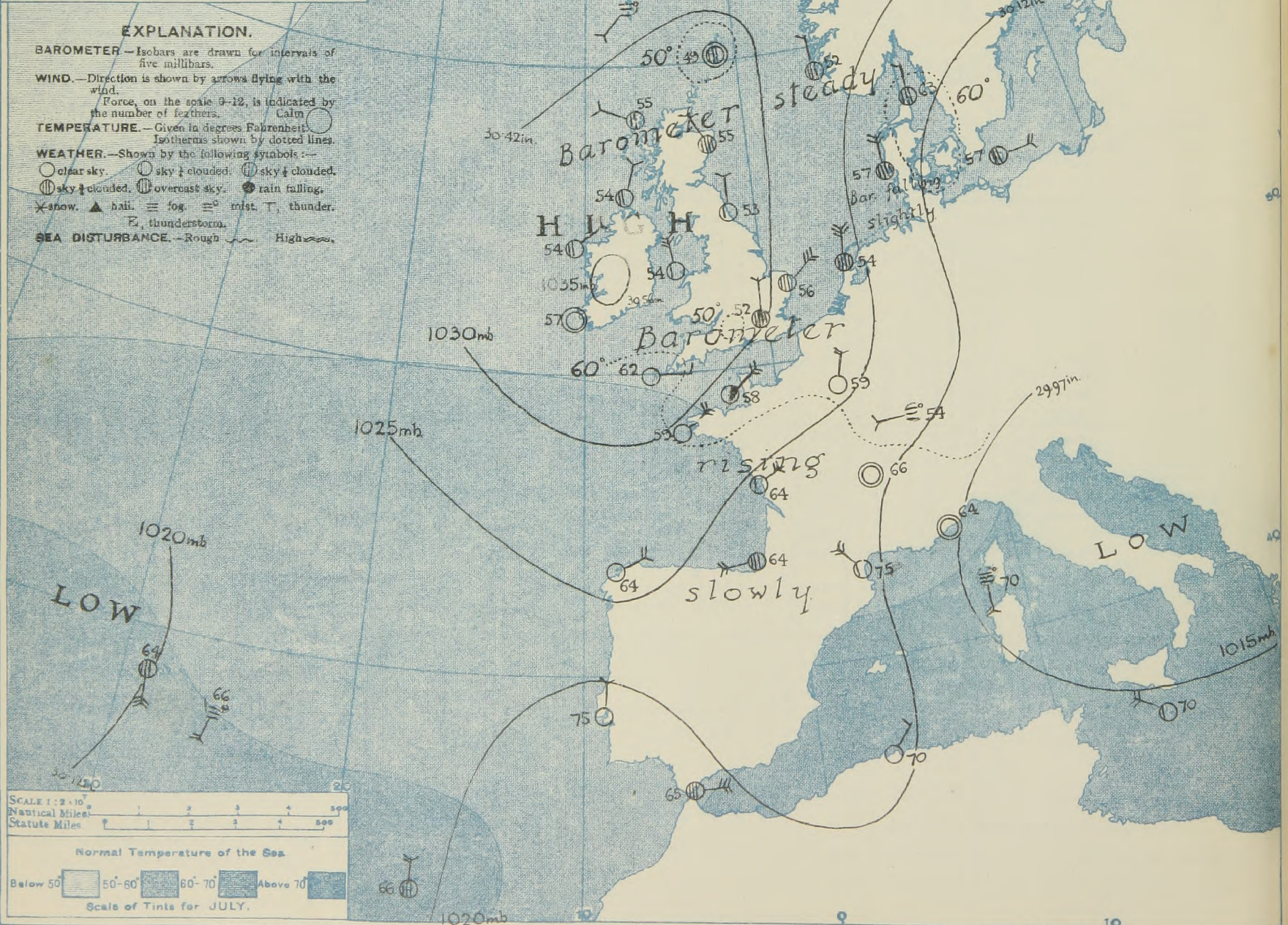
**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**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.

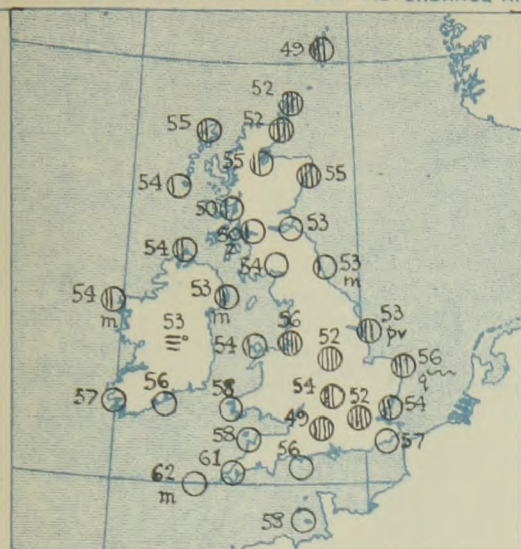
**WEATHER.**—Shown by the following symbols:—  
 ○ clear sky. ○ sky & clouded. ○ sky & clouded.  
 ○ sky & clouded. ○ overcast sky. ● rain falling.  
 ✕ snow. ▲ hail. ☼ fog. ☼ mist. T, thunder.  
 ⚡, thunderstorm.

**SEA DISTURBANCE.**—Rough High.





## TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



## GALES.

Notes on the Weather of the 24 hours ended 7h. Today

More cloud prevailed over the country than of late and sunshine measurements were very variable, 15 hours being recorded at Nairn but only 2 hours at Spurn Head. No rain fell. Temperature rose to 70° or over at widely scattered stations from Glasgow in the north to Portland Bill in the south.

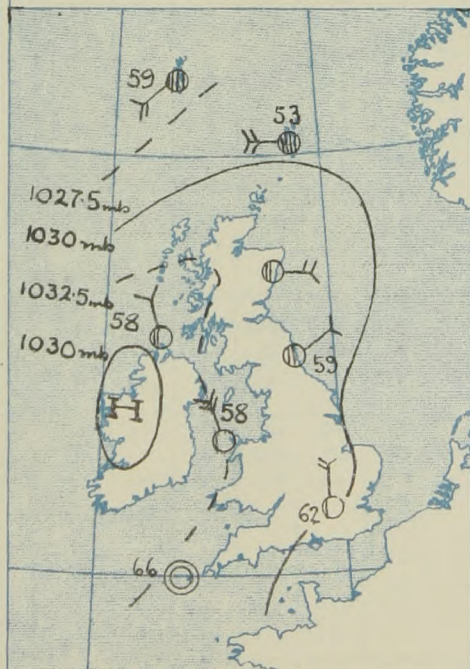
The Conditions at 7h. Today

An anticyclone lies over the British Isles centred over Ireland. A depression of no great depth covers the Southern Baltic and between these two systems there is a rather steep gradient for Northerly winds over Denmark and the Eastern North Sea. A depression still lies in the neighbourhood of Italy. Winds are fresh from N. over the Southern North Sea and locally in the Irish Sea but elsewhere are generally light or moderate over the British Isles. Weather is fair or fine.

The Outlook

Anticyclonic conditions are likely to be general over the British Isles with fine quiet weather and high temperature.

WEDNESDAY, 3<sup>rd</sup>, JULY, 1918, at 13h. (1p.m.) G.M.T.



No change of importance has occurred since the morning.



STATIONS.		EVENING OF 2 <sup>ND</sup>					MORNING OF 3 <sup>RD</sup>										24 HOURS ENDED 7 <sup>TH</sup> 3 <sup>RD</sup>										Sun- shine for 2 <sup>ND</sup> Hours.
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.								
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.						
BRITISH ISLANDS.	Lerwick	10301	49	W	4	bc	10314	0	49	+3	-	0	-	c	0	-	54	45	bc	bc	c						
	Deerness (Orkney)	10305	53	W	3	o	10315	*	52	+1	WNW	3	-	o	2	-	56	47	c	c.o	o.c.bc	5.9					
	Stornoway	10300	59	W	2	c	10322	+1	55	+4	WNW	2	-	bc	1	-	59	49	o	o.c	c.bc	4.2					
	Castlebay (Barra Isd.)	10320	56	W	3	c	10341	0	54	+1	WNW	2	-	b	2	-	57	51	o	o.bc	c.b	3.3					
	Glasgow	10292	67	W	3	b3	10330	+1	50	-6	-	0	-	b3	*	-	71	43	bc.b	b	b3	14.5					
	Eskdalemuir	10294	63	E	1	b3	10320	0	54	+2	NE	2	-	b	*	-	66	39	o.b.c	b3	b	9.7					
	Malin Head	10330	54	N	3	cg	10338	0	54	+1	NNE	2	N	bc	3	-	57	51	bc	bc	bc	3.7					
	Blacksod Point	10333	57	N	3	bc	10342	0	54	+1	NE	2	NE	bm	3	-	60	48	bc	bc	bc	*					
	Valencia (Cahirciveen)	10309	65	NNE	2	b	10335	+2	57	+1	-	0	W	bw	3	-	67	49	o.c.b	b	b.bw	12.6					
	Roche's Point	10308	62	S	1	b	10335	*	56	0	N	1	-	m	1	0.2	65	52	o.b.c	b	b.b3w	*					
	Birr Castle	10309	69	N	1	c	10351	*	53	-1	N	1	-	m	*	-	71	45	cg	cg	cg	10.7					
	Donaghadee	10304	57	N	5	bm	10322	0	53	0	N	4	N	bm	4	-	59	49	bm	bm	bm	*					
	Liverpool (Bidston)	10294	61	NNW	3	b	10318	0	56	-1	W	2	-	o	1	-	65	52	o.c	bc	bc.b	5.6					
	Holyhead	10302	60	N	4	b3	10324	+1	54	-1	NNW	5	-	b	3	-	64	51	o.c.o.c.b	b3	b3	11.0					
	Pembroke (St. Ann's)	10290	61	N	3	bc	10324	+2	58	-3	-	0	-	b	0	-	66	52	bc	c.bc	bc.bc	5.6					
	Hartland Quay	10273	63	N	5	bm3	10322	+2	58	-1	NE	2	-	b	2	-	63	51	o	cg.bm3	bm3	*					
	Scilly (St. Mary's)	10278	59	NE	3	b	10315	+2	62	+3	E	1	-	bm	1	-	62	55	b.bc.c	c.bc	b	5.7					
	Falmouth	10266	60	N	4	b3	10314	+3	61	+1	NE	3	-	b	*	-	66	52	bc.c	cg.o.c	b	5.9					
	Jersey (St. Aubin)	10242	65	NW	3	b	10289	*	58	-3	NE	4	-	b	3	-	67	55	b	b	b	12.5					
	Portland Bill	10241	70	NE	5	c	10307	+2	56	-3	NE	4	-	b	3	-	73	52	bc	bc.c	b	*					
Dungeness	10248	61	NE	5	b	10281	+2	57	-2	NNE	4	N	bc	3	-	67	52	bc	c.bc	c.bc	*						
Wick	10306	52	S	1	bc	10321	0	52	+3	WNW	1	-	om	1	-	54	46	bc	c.bc	bc.om	*						
Nairn	10295	61	NE	2	bc	10322	*	55	+1	-	0	-	bc	1	-	64	47	bc	bc	bc.c	15.2						
Aberdeen	10314	54	ESE	2	bc	10324	0	55	+3	NW	2	-	o	2	-	58	45	bc.c.b	bc	bc	14.1						
Leith	10292	59	E	3	b	10321	0	53	-1	E	1	-	b	2	-	62	48	c.bc	b	b3.b	*						
Tynemouth	10302	55	NE	2	b	10320	+1	53	+1	N	2	-	bm	2	-	57	46	bc	bc	om.bm	*						
Spurn Head	10294	55	N	4	cg	10313	0	53	-2	NE	4	-	cpv	3	-	63	48	om	om.c	c	2.0						
Yarmouth (Gorleston)	10267	61	NE	5	b	10282	0	56	-5	NE	5	-	cg	5	-	63	52	c	c.b	bc.c	5.3						
Clacton-on-Sea	10266	62	NE	4	bc	10294	+2	54	-3	NNW	4	N	bc	3	-	65	48	bm.cg	cg.c.bc	bc	6.6						
Nottingham	10292	61	ENE	2	bc	10322	*	52	-6	NE	2	NE	o	*	-	63	46	c.o	o.c	bc.b	2.9						
Benson (Oxon.)	10265	63	NE	4	b	10305	+2	54	-2	NNE	1	-	c	*	-	71	45	b	bc	bc.o	*						
St. Farnborough	10259	65	NNE	5	o	10310	+3	54	-4	N	4	-	c	*	-	72	41	bc.cg	cg.o	o.b.c	9.2						
Salisbury Plain	10261	65	NNE	5	bc	10315	+2	49	-8	NNE	3	N	o	*	-	72	43	bc	c.bc	bc.c	*						
London (Kew Obs.)	10264	65	NNE	3	o	10311	+3	52	-5	N	2	-	o	*	-	69	48	bc.c	o.c.o	abc.o	5.4						
NORTHERN EUROPE.	Spitsbergen	10211	46	-	0	r	10183	-1	43	-3	NE	2	*	o	*	-	50	39									
	Vardö	10248	52	-	0	b	10316	+3	50	-2	N	7	-	c	4	*	55	48									
	Bodö	10299	52	W	2	c	10328	0	52	-2	N	2	-	b	2	-	54	50									
	Christiansund	10294	52	-	0	c	10294	0	55	+3	SE	2	-	b	1	-	55	46									
	Skudesnaes	10252	52	NNW	8	b	10260	0	52	0	N	1	-	c	1	-	55	46									
	Færder (Xtanta Fjord)	10231	63	SW	1	c	10236	+1	54	-3	N	4	SE	bc	1	-	63	57									
	The Scaw (Skagen)	10214	59	NNW	3	bc	10207	0	63	+6	N	1	NE	c	1	-	63	55									
	Blaavands Huk	10231	55	N	4	b	10211	-2	57	-2	N	4	-	o	*	-	61	50									
	Copenhagen	10182	64	N	4	o	10171	+1	63	+2	NNE	4	-	o	*	-	66	61									
Bornholm	10155	61	NE	4	o	10163	+2	57	0	E	3	SE	c	1	-	63	54										
FRANCE, &c.	The Helder	10243	57	N	6	o	10258	+0	54	-5	N	5	-	o	2	-	63	54									
	C. Gris Nez	10255	59	NE	5	b	10296	+1	56	-4	NE	4	*	o	4	-	68	54									
	La Hève	10246	64	NE	4	m	10287	*	57	-2	NE	3	*	c	*	-	87	54									
	Brest (St. Mathieu)	10264	64	N	3	b	10295	+3	59	0	NE	4	*	b	*	-	72	55									
	Rochefort (Ile d'Aix)	10203	66	NW	5	b	10242	+3	64	-1	NE	3	*	b	*	-	73	61									
	Biarritz	10226	64	WSW	4	c	10246	+2	64	0	WSW	4	*	c	*	-	81	52									
	Paris	10202	77	NNE	2	b	10264	+2	59	-4	NNE	3	*	b	*	-	81	52									
	Belfort	10182	54	-	0	b	10218	*	54	-3	W	2	*	m	*	-	75	52									
	Lyons	10178	73	NNE	3	bc	10207	*	66	+3	-	0	*	b	*	-	77	57									
Nice	10144	?	E	2	r	10151	+1	64	-2	-	0	*	b	*	-	77	57										
Perpignan	10175	79	NW	4	b	10206	+1	75	+5	NW	4	*	b	*	-	82	68										
Sanguinaire	10151	72	W	2	bc	10147	*	70	-2	S	3	*	m	*	-	79	59										
IBERIA, &c.	Corunna	10232	70	N	4	b	10263	+1	64	0	NE	3	*	b	2	-	70	59									
	Madrid																										
	Lisbon	10186	79	NNW	4	b	10195	+1	75	+11	N	2	-	b	2	-	82	64									
	Azores (Horta)	10128	*	SSW	6	m	10200	+3	65	+1	S	5	*	c	3	3	72	64									
	„ (P. Delgada)	10166	*	SSW	4	m	10224	+3	66	0	SSW	3	*	c	2	-	72	66									
	Madeira	10215	70	N	1	c	10232	0	66	+3	N	3	-	c	2	-	91	63									
Gibraltar	10193	69	E	4	b	10196	*	66	-2	E	5	*	c	?	-	81	63										
Palma																											
MEDITERRANEAN.	Algiers	10190	72	-	0	b	10206	+2	70	-2	NE	1	-	b	2	-	79	66									
	Malta	*	*	*	*	*	10179	+4	70	-2	NW	4	-	b	2	-	75	68									
	Salonica	10125	74	-	0	c	10128	+2	73	+4	SW	2	SW	c	*	-	82	64									
	Athens																										
	Candia																										
	Limassol	*	*	*	*	*	10150	+1	79	?	-	0	-	b	1	-	88	59									
	Alexandria	10171	73	N	2	b	10167	+1	79	+4	-	0	NW	b	0	-	81	68									
	Cairo (Helwan)	10150	81	N	3																						

THE BEAUFORT SCALE OF  
WIND FORCE.

No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-8	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5
12	Above 75	33.6 or above

## BEAUFORT NOTATION.

b blue sky (not more than a quarter covered).  
bc sky partly cloudy (one half covered).  
c generally cloudy (three quarters covered).  
d drizzle, or fine 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.  
rs sleet, i.e., rain and snow together.  
s snow.  
t thunder.  
u ugly, threatening sky.  
v unusual visibility.  
w dew.  
x hoar frost.  
y dry air; humidity less than 60 per cent.  
z dust haze; the turbid atmosphere of dry weather.

\* Information for these columns not usually received.

+ Received too late for insertion in Charts

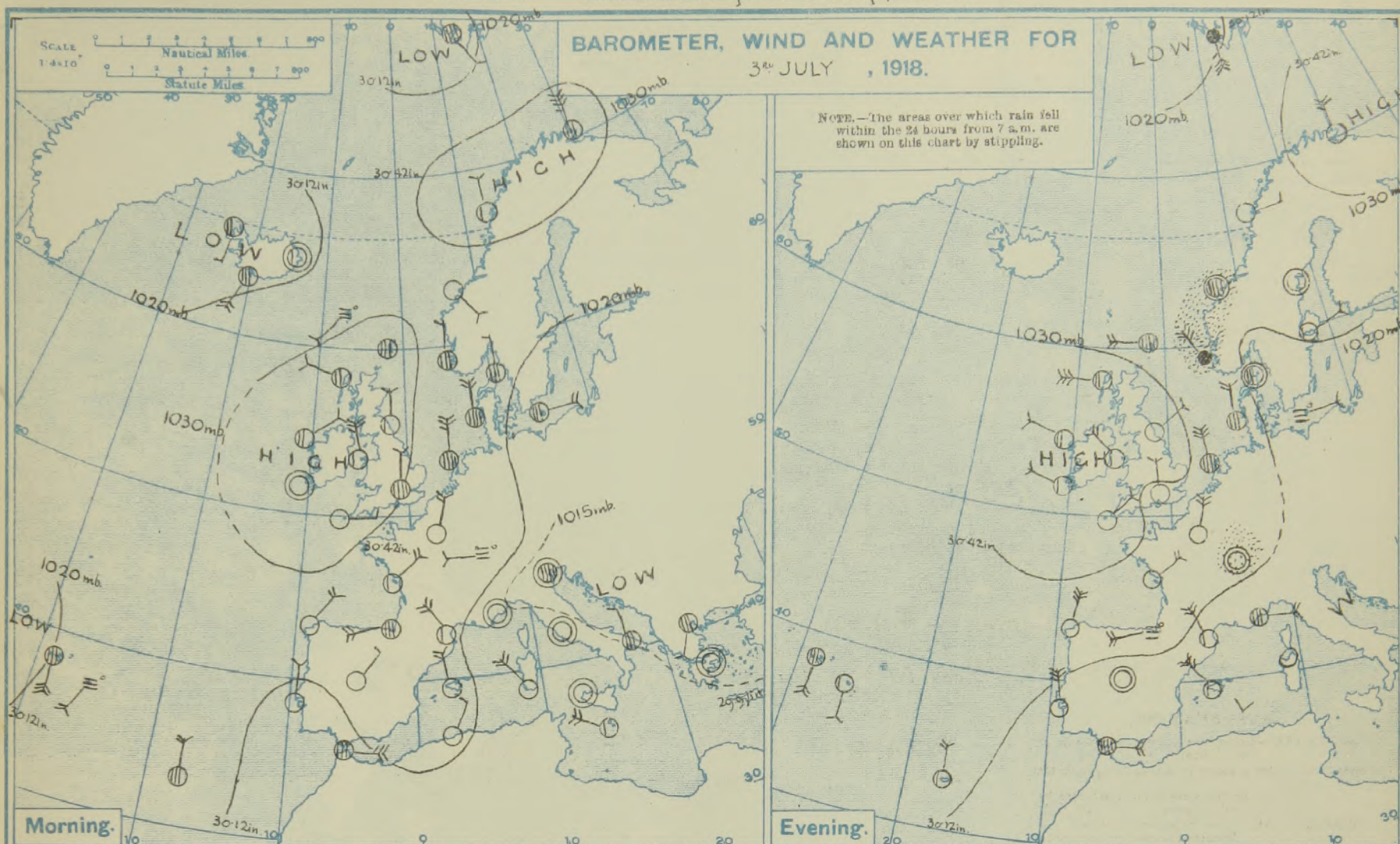
+ The barometric change is expressed in half-millibars



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,678

Thursday, 4<sup>th</sup> July, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 3<sup>rd</sup> July

STATIONS.		EVENING OF 2 <sup>ND</sup>					MORNING OF 3 <sup>RD</sup>										MORNING OF 3 <sup>RD</sup>						
		Barom. Milli- bars at M.S.L.	TEMP.  ° F.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.  ° F.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.
RUSSIA.		Archangel ...																					
		Petrograd ...																					
		Moscow ...																					
SWEDEN.		Hernösand ...	1024.3	68	S	2	b		*					*	*	*							
		Stockholm ...	1021.2	72	ENE	2	b		*					*	*	*							
		Wisby ...	1018.6	55	NNE	4	b		*					*	*	*							
ITALY.		Venice ...	1013.7	70	SSE	1	b	1012.6	*	68	+4	-	0	o	-	73	64	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM					
		Turin ...	1013.7	72	-	0	c	1014.1	*	70	+4	S	2	b	1	82	63	4 <sup>TH</sup> 5 <sup>TH</sup> JULY 1918.					
		Pesaro ...							*									Sunrise.		Noon.		Sunset.	
		Leghorn ...	1015.2	72	-	0	b	1015.5	*	70	+4	-	0	bc	-	75	64	G.M.T.		G.M.T.		G.M.T.	
		Rome ...	1015.1	68	S	1	b	1016.6	*	68	+7	-	0	b	TRACE	77	69	3.38		11.57		8.16	
		Viesti ...	1016.3	68	-	0	o	1013.0	*	68	+2	-	0	b	-	68	59	3.38		11.57		8.16	
		Brindisi ...	1014.5	64	SE	1	c	1015.0	*	68	0	N	1	c	15	73	66	3.51		12.4		8.17	
		Cagliari ...	1013.4	81	SE	4	bc	1017.5	*	73	?	NW	4	b	-	84	64	3.51		12.4		8.17	
		Palermo ...	1013.5	75	NW	3	b	1017.5	*	73	?	NW	4	b	-	84	64	3.15		12.16		9.17	
		Tripoli ...						1018.1	*	68	-4	-	0	b	-	86	61	3.16		12.16		9.16	
									*									4.29		12.45		9.1	
																		4.29		12.45		9.1	

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

4 <sup>th</sup> 5 <sup>th</sup> JULY 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	3.38	11.57	8.16
Greenwich ...	...	3.51	12.4	8.17
Wick ...	...	3.15	12.16	9.17
Valencia ...	...	4.29	12.45	9.1

LONDON		Humidity.		Sunshine for 3 <sup>rd</sup>	24 HOURS ENDED 9 h. 4 <sup>th</sup>						
		15 h.	9 h.		TEMPERATURE.			Rain-fall.	WEATHER.		
4 <sup>th</sup> JULY 9h. G.M.T.		3 <sup>rd</sup>	4 <sup>th</sup>	Hours.	Max. °F.	Min. °F.	Min. on Grass. °F.	mm.	Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory) ..		49	64	11.9	70	47	33	-	b	b	b
CITY (Bunhill Row) ..		*	*	11.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ..		50	59	11.1	67	49	44	-	*	*	*
(Admiralty Arch) ..		48	59	11.9	70	51	*	-	c. bc	b	*
AMDEN SQ. (British Rainfall) ..		45	55	10.3	72	46	43	-	b	b	*
KENSINGTON PALACE ..		54	59	11.2	68	46	41	-	b	b	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

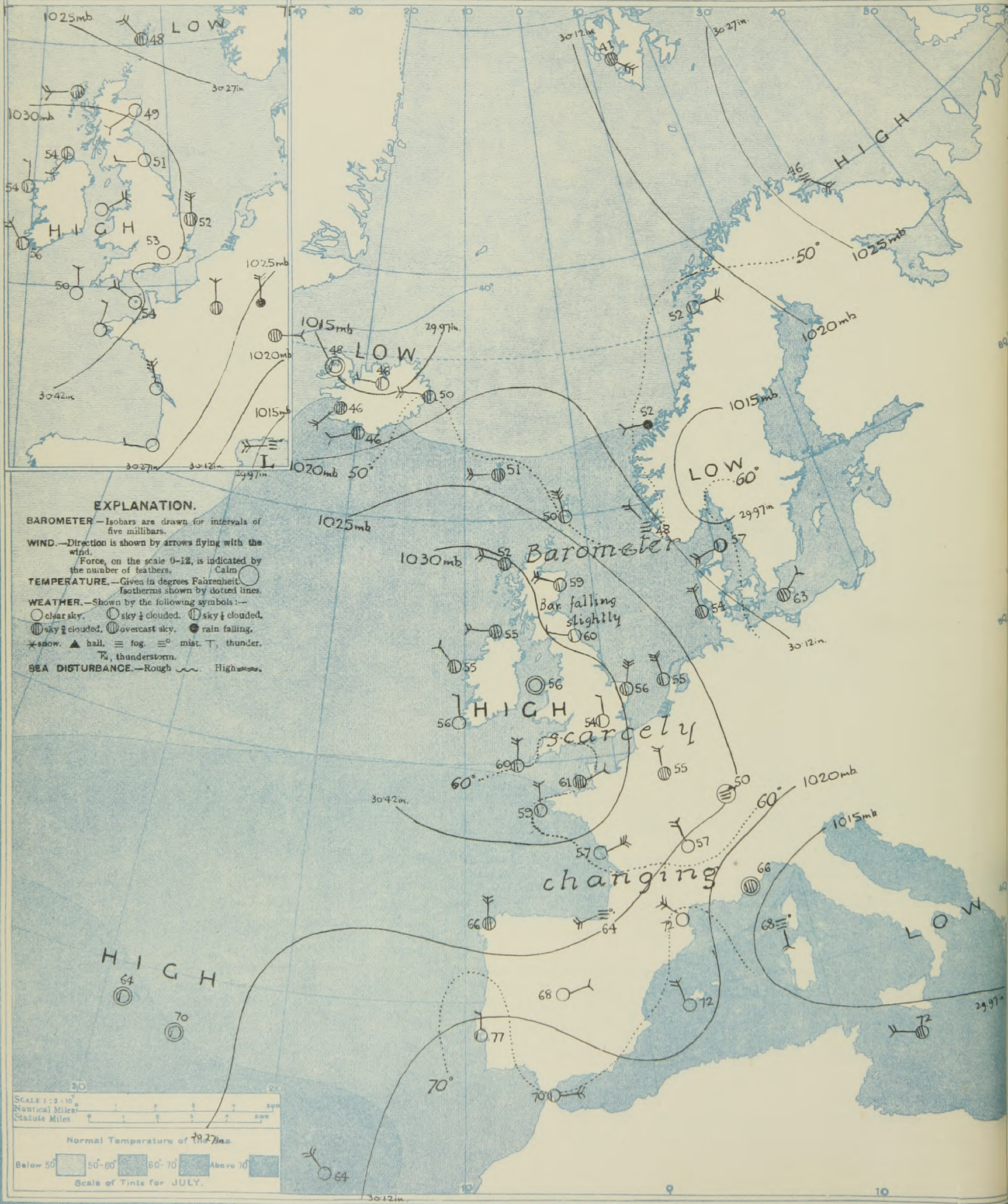
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 3 <sup>rd</sup>		
Total.	Average Rate.	Max. Rate.
joules.	Milliwatts.	Milliwatts.
2330	39.2	85.0

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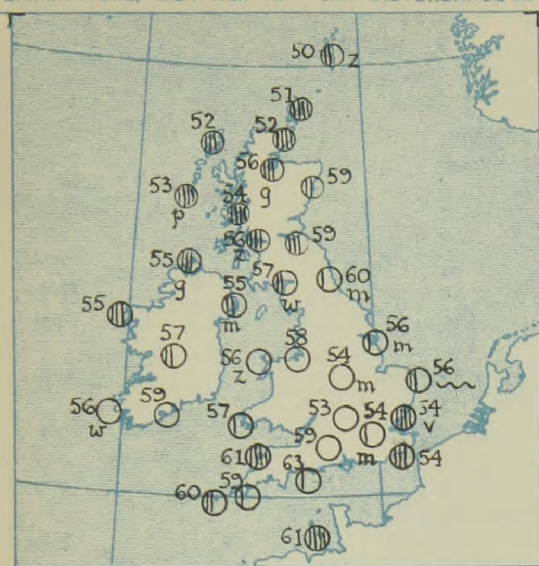


4<sup>TH</sup>, JULY, at 1h. G.M.T.

THE MORNING OF THURSDAY, 4<sup>TH</sup>, JULY 1918, at 7h. G.M.T.







## GALES.

Notes on the Weather of the 24 hours ended 7h. Today

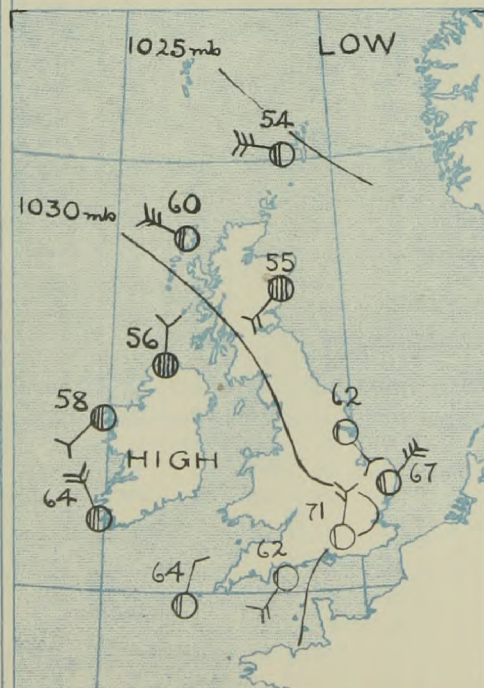
Good sunshine measurements again became general over the country, between 13 and 15 hours being reported at many stations. Temperature rose to 70° in many parts and to 74° at Glasgow. The night was cold in the south-east and the readings fell to 40° in the screen at South Farnborough and to 39° at Benson.

The Conditions at 7h. Today

Conditions remain without change, an anticyclone centred in the neighbourhood of Ireland and a depression over Scandinavia. Another depression still lies over the Mediterranean and a third to the north of Iceland. Winds are fresh from N. or NW. over most of the north Sea and are moderate Westerly in the north of Scotland, but elsewhere over the British Isles they are very light from between N. and W. Weather is generally fine in this country but there is much cloud in Northern France and Holland. An anticyclone has again become established over the Azores after a considerable period of low pressure in this region.

The Outlook

Anticyclonic conditions are likely to continue over all the British Isles except the extreme north of Scotland, where the influence of depressions in the Iceland region may be felt.

THURSDAY, 4<sup>th</sup> JULY, 1918, at 13h. (1p.m.) G.M.T.

Conditions remain without change.

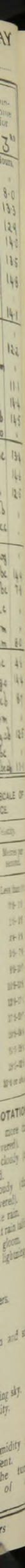


STATIONS.	EVENING OF 3 <sup>RD</sup>					MORNING OF 4 <sup>TH</sup>										24 HOURS ENDED 7 <sup>TH</sup> 4 <sup>TH</sup>					Sun- shine for 3 <sup>RD</sup> Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	°F.	WIND.		Dirac. of Upper 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	10285	51	W	4	o	10246	+1	50	+1	NNW	5	-	bog	3	-	55	46	o	o	c	8.0
	Deerness (Orkney)	10298	60	NW	3	b	10281	*	51	-1	WNW	4	-	o	3	-	60	47	o.c.bc	bc.b	b.b.c.c	13.3
	Stornoway	10307	63	W	6	b.cq	10309	+1	52	-3	W	4	-	c	3	-	69	49	bc	b.cq	b.c.c	12.9
	Castlebay (Barra Isd.)	10328	56	W	5	b	10328	0	53	-1	W	3	-	op	3	-	60	53	bc	b.c.b	o.c.op	14.0
	Glasgow	10304	71	NW	3	bc	10309	-1	56	+6	SW	2	W	cg	*	-	74	50	b	bc	b.c.c	13.5
	Eskdalemuir	10303	67	N	2	cy	10309	0	57	+3	SSW	2	NW	b.cw	*	-	71	39	b.b.y	b.cq	b.b.cw	14.8
	Malin Head	10339	60	N	2	bc	10330	0	55	+1	W	3	NW	cg	2	-	61	53	bc	bc	cg	14.1
	Blacksod Point	10344	60	WNW	2	bc	10339	0	55	+1	NW	2	W	cm	2	-	65	51	bc	bc	b.w.bc	14.1
	Valencia (Cahirciveen)	10339	64	WNW	2	b	10347	+1	56	-1	NNW	1	NW	bw	2	-	66	48	b	b	bw	14.1
	Roche's Point	10331	63	S	3	b	10338	*	59	+3	NNE	1	-	b	1	TRACE	65	56	b.c.b	b	b.c.b	12.2
Birr Castle	10330	72	NW	1	b	10345	*	57	+4	N	1	NW	bc	*	-	72	46	bc	b	bc	11.1	
Donaghadee	10318	60	N	4	b.mq	10316	0	55	+2	W	1	-	b.c	1	-	61	50	b.c	b.c.mq	b.m.b.c	14.4	
Liverpool (Bidston)	10310	60	WNW	3	b	10323	0	58	+2	W	2	-	b	1	-	62	54	c.b.c.b	b	b	14.5	
Holyhead	10325	58	NW	3	b	10327	0	56	+2	-	0	-	b.c	0	TRACE	60	52	b.c.c.f	b	b.c.b	14.5	
Pembroke (St. Ann's)	10323	61	NNW	3	b	10327	+1	57	-1	ENE	1	E	b	0	-	65	52	b	b	b.c.b	14.5	
Hartland Quay	10318	60	NNW	3	b	10322	0	61	+3	N	2	NW	o	2	-	63	54	b.c	b.c.b	b.c.c	13.4	
Scilly (St. Mary's)	10332	63	NE	2	b.m	10328	0	60	-2	N	3	N	bc	3	-	68	54	b	b	b.b.c	14.6	
Falmouth	10315	68	N	4	b.cq	10326	+1	59	-2	N	3	-	b	2	-	73	54	b.c	b.cq	b	12.5	
Jersey (St. Aubin)	10299	62	N	3	b	10305	*	61	+3	ENE	2	-	o	2	-	65	52	b.b.c.b	b	b.o	14.4	
Portland Bill	10295	61	NW	2	bc	10311	+1	63	+7	NE	3	-	b	2	-	63	56	b	b.b.c	b.c.b	14.4	
Dungeness	10287	58	ENE	5	b	10297	0	54	-3	NNE	3	NE	c	3	-	65	45	bc	bc	b.c.c	14.4	
NORTHERN EUROPE.	Wick	10302	61	S	2	bc	10289	+1	52	0	WNW	3	-	o	2	-	61	49	om.bc	bc	b.c.cq	14.4
	Nairn	10304	67	-	0	b.c	10288	*	56	+1	W	2	-	cg	1	-	72	51	b.c.b	b.c	b.b.c	7.8
	Aberdeen	10310	57	SE	2	b	10292	0	59	+4	WNW	4	W	bc	2	-	63	48	o.c.bc	bc.b	b.b.c	14.4
	Leith	10299	60	E	1	b	10291	0	59	+6	WSW	2	W	c	3	-	70	52	b.b.bc	b	b.c	14.4
	Tynemouth	10313	58	NE	2	b.m	10296	-2	60	+7	WNW	1	-	b.m	2	-	60	49	b.m	b.m	b.m	8.0
	Spurn Head	10313	56	NNE	5	b.cq	10313	0	56	+3	NW	3	-	b.m	4	-	57	51	cg	cg	b.m	14.4
	Yarmouth (Gorleston)	10228	56	N	5	bc	10288	0	56	0	NNE	5	-	bc	5	-	60	52	c.o	o.bc	bc	4.6
	Clacton-on-Sea	10297	62	NNW	3	b.cq	10306	0	54	0	NNW	3	N	ov	2	-	65	46	b.cq	b.c.bq	b.cq	14.4
	Nottingham	10306	63	NE	2	c	10316	*	54	+2	SW	1	-	b	*	-	68	45	c.bc	bc	b.c	8.7
	Benson (Oxon.)	10291	69	NE	1	b	10310	0	53	-1	-	0	-	b	*	-	71	39	b.c	b	b.m	12.5
St. Farnborough	10292	67	NE	3	b.cq	10314	+1	57	+3	N	3	SW	b	*	-	70	40	c.bq	b.cq	b.cq	11.1	
Salisbury Plain	10288	70	E	2	bc	10319	+2	59	+10	NNE	3	-	b	*	-	72	43	b	b	bc	11.1	
London (Kew Obs.)	10298	66	N	2	b.c	10317	+1	54	+2	N	1	-	b	*	-	68	46	a.b	b.b	b.c	11.1	
FRANCE, &c.	Spitsbergen	10194	41	S	7	r	10218	0	41	-2	SE	6	*	o	*	-	43	41				
	Vardö	10326	48	N	5	b	10249	-1	46	-4	SE	4	-	f	3	-	52	46				
	Bodö	10260	55	E	1	b	10174	-3	52	0	E	4	-	b	2	-	55	50				
	Christiansund	10246	59	-	0	c	10180	-3	52	-3	W	2	-	r	2	-	63	46				
	Skudesnaes	10228	50	NW	5	r	10228	0	48	-4	NNW	3	-	m	2	16	54	45				
	Færder (Xania Fjord)	10187	72	SE	1	bc	10148	-1	61	+7	S	4	SE	b	2	-	72	58				
	The Scaw (Skagen)	10175	75	-	0	bc	10175	0	57	-6	WSW	4	N	b	4	-	77	55				
	Blaavands Huk	10215	59	N	3	c	10244	+1	54	-3	NNW	4	-	c	*	-	63	48				
	Copenhagen	10184	70	NNE	3	bc	10190	0	64	+1	NNW	4	-	bc	*	-	77	61				
	Bornholm	10174	59	E	2	m	10163	+1	63	+6	NE	2	E	c	1	-	63	55				
IBERIA, &c.	The Helder	10262	54	NNW	6	o	10212	0	55	+1	NNW	5	-	bc	2	-	55	54				
	C. Gris Nez	10300	57	NE	4	b	10303	0	55	-1	NE	4	*	o	4	-	63	52				
	La Hève	10294	59	NNE	4	b	10310	*	54	-3	NNE	2	*	o	-	-	63	50				
	Brest (St. Mathieu)	10316	66	NE	3	b	10322	0	59	0	N	3	*	b	-	-	72	54				
	Rochefort (d'Aix)	10234	77	NE	3	b	10242	+3	57	-7	ENE	5	*	b	*	-	82	54				
	Biarritz	10250	66	WSW	4	m	10252	0	64	0	WSW	4	*	m	-	-	68	63				
	Paris	10264	66	NNE	4	b	10287	+1	55	-4	N	3	*	o	*	-	68	48				
	Belfort	10220	59	-	0	c	10262	*	50	-4	-	0	*	f	1	-	72	48				
	Lyons	10158	?	E	4	c	10243	*	57	-9	NNW	3	*	b	*	-	79	52				
	Nice	10158	?	E	4	c	10156	-1	66	+2	-	0	*	c	*	-	79	57				
MEDITERRANEAN.	Perpignan	10194	82	NW	4	b	10211	+1	72	-3	NW	4	-	b	*	-	84	64				
	Sanguinaire	10147	72	NW	3	m	10147	*	68	-2	S	3	*	m	-	-	79	63				
	Corunna	10259	66	NNE	5	b	10268	+1	66	+2	N	4	N	c	2	-	68	61				
	Madrid	10172	84	-	0	b	10227	+1	68	?	ENE	2	-	b	*	-	86	50				
	Lisbon	10182	86	NNW	5	b	10192	+2	77	+2	N	1	-	b	5	-	91	73				
	Azores (Horta)	10230	*	S	4	c	10279	+2	64	-1	-	0	*	b	2	-	73	64				
	(P. Delgada)	10246	*	S	2	b	10282	+2	64	0	-	0	*	b	2	-	75	66				
	Madeira	10223	72	N	3	b	10228	-1	64	-2	NW	4	-	b	3	-	72	63				
	Gibraltar	10196	70	E	4	b	10193	*	70	+5	E	4	*	b	2	-	78	64				
	Palma	10183	75	NNW	5	b	10219	0	72	?	NNW	3	-	b	4	-	81	63				
MEDITERRANEAN.	Algiers	10192	72	NE	3	b	10195	+2	70	0	NE	3	-</									



[illegible]

Friday, 5<sup>th</sup> July 1918.



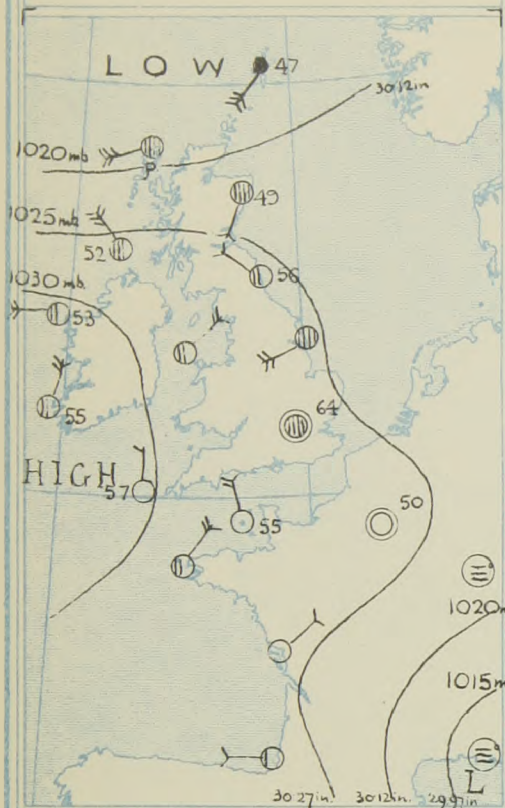
	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100						
1	2	3	4	5	6	7	8	9	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
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
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
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
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							

[illegible][illegible][illegible][illegible][illegible]



5<sup>TH</sup>, JULY, at 1h. G.M.T.

THE MORNING OF FRIDAY, 5<sup>TH</sup>, JULY 1918, at 7h. G.M.T.



# 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:—

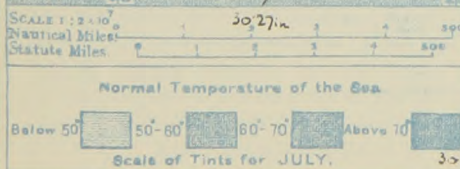
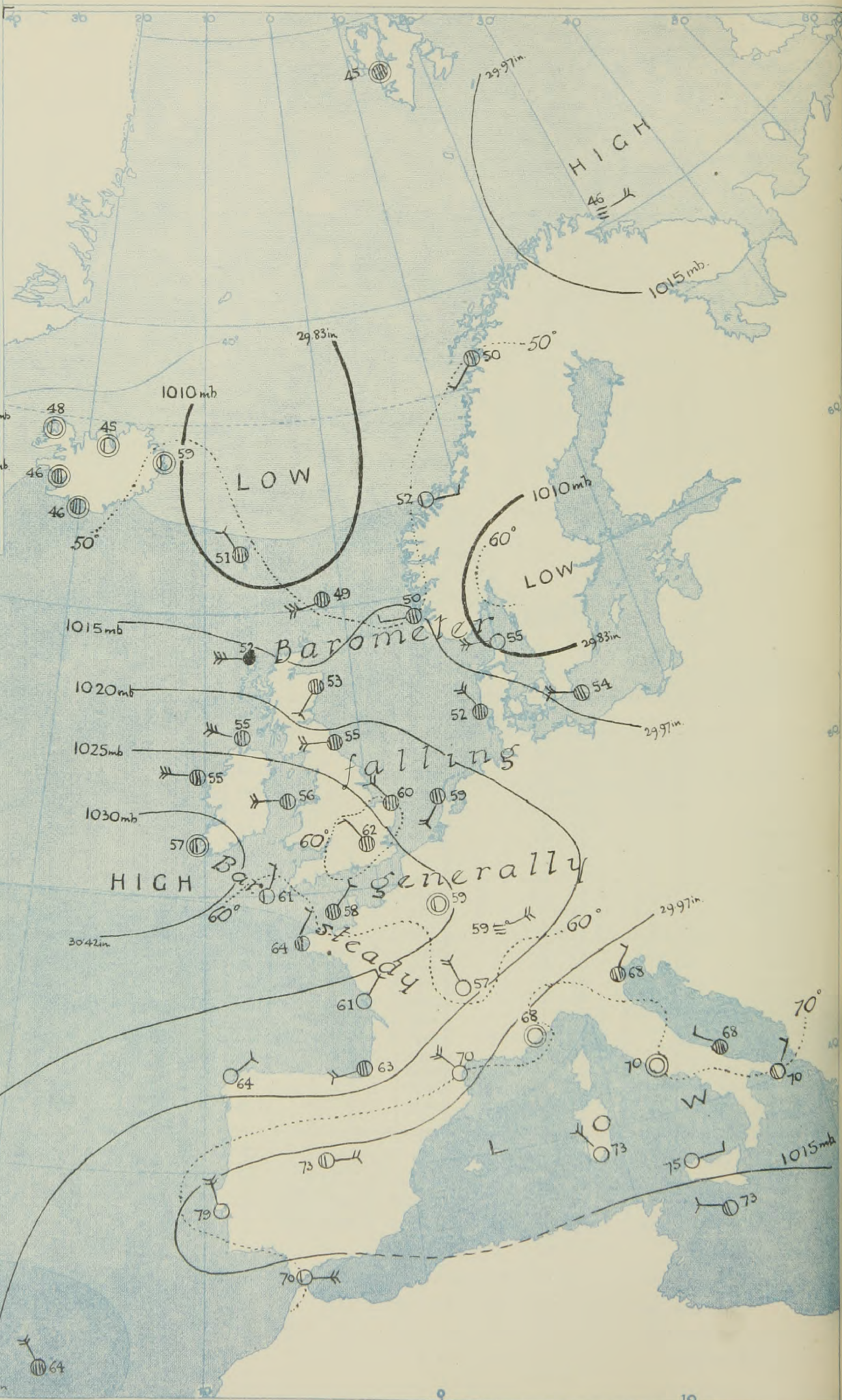
○ clear sky. ○ sky 1/4 clouded. ○ sky 1/2 clouded.

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

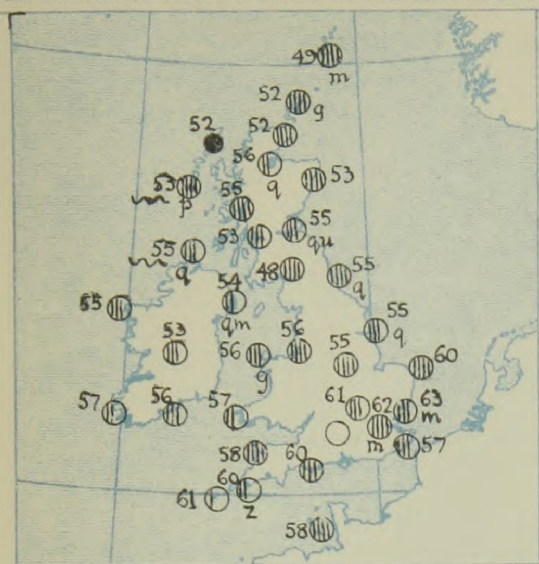
▲ snow. ▲ hail. ≡ fog. ≡ mist. T. thunder.

⚡, thunderstorm.

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







## GALES.

Notes on the Weather of the 24 hours ended 7h. Today

Sunshine measurements were very variable in all parts except on our south-western coasts where they reached about 13 hours. Rain fell in the north, though not in any great quantity, but in England and Ireland the dry spell was maintained. Temperature rose to 79° at Benson and in the SE. of England the night minima did not fall much below 55°, in marked contrast to the cold of the preceding night.

The Conditions at 7h. Today

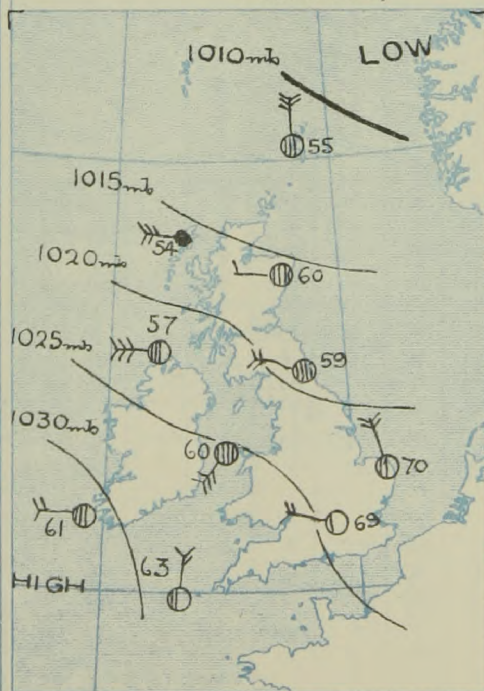
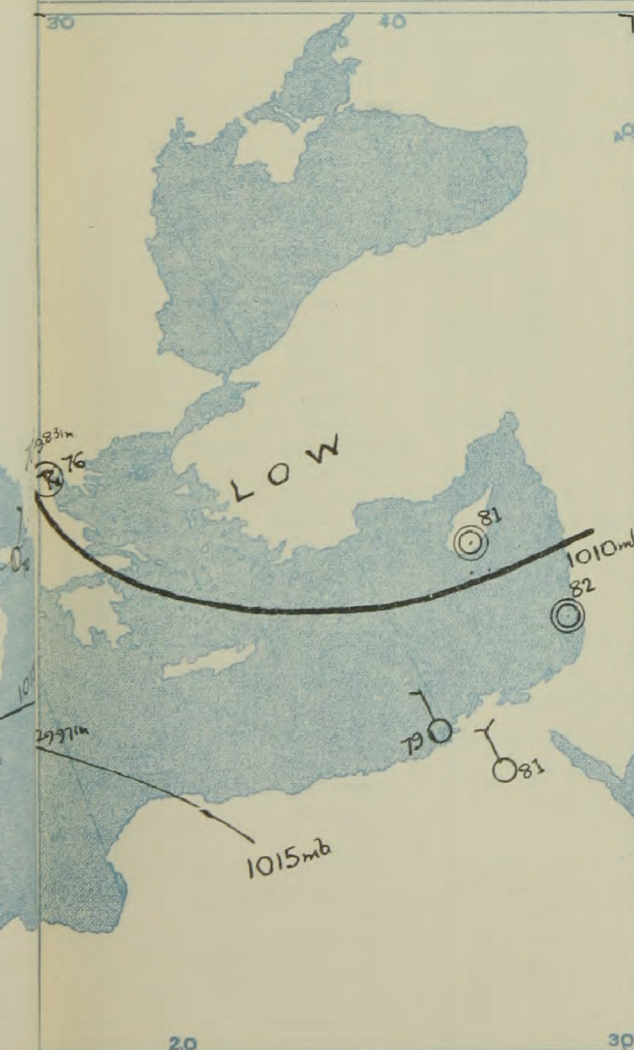
Anticyclonic conditions still hold in the south of the country but in the North there has been a considerable change, a depression having spread down from the Iceland region. Another depression is shown over the south of Sweden. A fresh Westerly wind prevails on the north and west coasts of Scotland and Ireland but in the south of Ireland and of England winds remain light from between N. and W. There is a good deal of cloud over this country with rain in the Hebrides.

The Outlook

It is probable that further depressions passing to the northward of these Islands will cause a continuance of Westerly winds over the country, with unsettled weather in Scotland.

FRIDAY, 5<sup>th</sup>

JULY, 1918, at 13h. (1p.m.) G.M.T.



The barometer has commenced to rise in the Shetlands, but is still falling slowly over the rest of the country.



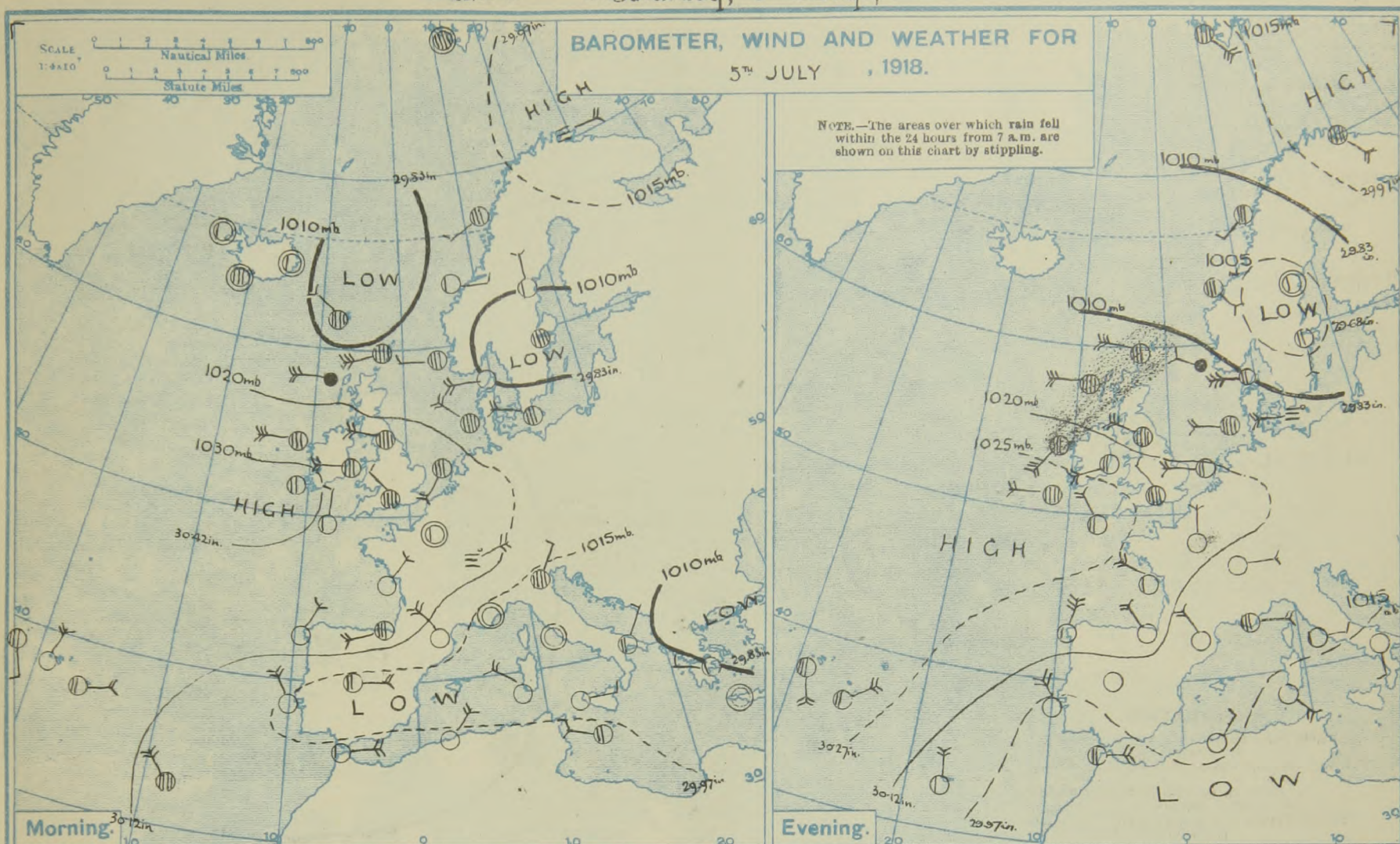
STATIONS.		EVENING OF 4 <sup>TH</sup>					MORNING OF 5 <sup>TH</sup>										24 HOURS ENDED 7 <sup>TH</sup> 5 <sup>TH</sup>						Sun- shine for 4 <sup>TH</sup> Hours.
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall Milli- metres.	TEMP.		WEATHER.				
				Direc.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours. °F.	Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	1023.4	50	W	5	bcy	1011.4	-3	49	-1	WSW	5	-	om	4	4	56	45	bcy	bcy	omr		
	Deerness (Orkney) ...	1025.4	53	W	4	cy	1013.5	*	52	+1	W	5	-	og	3	3	57	44	o.bcy	bc.cy	c.o.r.o	10.0	
	Stornoway ...	1026.4	55	WSW	6	og	1016.4	-2	52	0	W	5	-	r	4	2	60	50	c.bc	bc.og	oap	3.4	
	Castletown (Barrisd.) ...	1029.2	55	W	5	o	1019.9	-2	53	0	WSW	5	-	op	5	2	57	51	op.c.om	om.c.o	op	1.3	
	Glasgow ...	1028.7	57	W	4	c	1021.7	-4	53	-3	WSW	4	-	c	*	1	61	50	og.c.og	og.c	c.o.p.o	0.5	
	Esksdalemuir ...	1028.3	57	WNW	4	o	1023.1	-4	48	-9	SSW	3	-	o	*	1	65	47	bcy.o	og.o	oap.o	2.5	
	Main Head ...	1030.3	55	NW	2	bc	1023.8	-5	55	0	WNW	5	NW	cy	5	0.1	58	52	cy	bc	cay	2.3	
	Blacksod Point ...	1033.5	56	NNW	2	bc	1027.9	-2	55	0	W	5	W	c	4	-	60	51	om	bum	bc.bc		
	Valencia (Cahirciveen) ...	1033.4	60	NW	4	c	1031.6	-1	57	+1	-	0	N	bc	2	-	64	50	b.bc.c	c.bc.c	c.bc	10.7	
	Roche's Point ...	1034.6	66	N	3	c	1031.0	*	56	-3	N	2	N	c	1	-	66	54	c.o	c.b.c.c	c		
	Birr Castle ...	1031.2	67	NW	1	c	1029.6	*	53	-4	NW	1	-	c	*	-	73	45	cy	c	c	4.8	
	Donaghadee ...	1030.1	55	N	4	ogm	1024.7	-1	54	+1	W	4	W	bcgm	3	-	63	51	bc.m.om	ogm	ogm		
	Liverpool (Bidston) ...	1029.2	61	WNW	2	c	1026.4	-2	56	-2	W	3	NW	o	2	-	65	53	b.bc	c.bc	c.o	8.2	
	Holyhead ...	1030.0	62	WSW	1	cy	1027.2	-1	56	0	W	4	-	cy	3	-	69	52	b.b.c.c	o.b.c.c	o.c.b.c	7.1	
	Pembroke (St. Ann's) ...	1030.7	65	WNW	2	bc	1028.6	+1	57	0	N	3	N	bc	0	-	67	53	b.bc	bc	bc.b.c	10.3	
	Hartland Quay ...	1030.3	64	NNE	3	o	1028.1	0	58	-3	N	2	N	o	2	-	64	58	c.b	by.b.c	c.o.b.o		
	Scilly (St. Mary's) ...	1030.8	62	NNE	1	bum	1028.8	0	61	+1	NNE	1	N	b	2	0.1	66	56	bc	bum	bmw	12.7	
	Falmouth ...	1030.3	68	SE	1	bcy	1027.9	0	60	+1	N	3	-	bcy	*	-	70	54	by	bcy	bmby	12.8	
	Jersey (St. Aubin) ...	1028.8	64	N	3	b	1027.2	*	58	-3	NE	2	-	o	1	-	69	51	abc	b	bc	13.3	
	Portland Bill ...	1027.5	60	SW	1	b	1027.0	0	60	-3	SW	1	-	c	2	-	69	55	b	b.bc	bc	*	
	Dungeness ...	1028.4	59	ENE	3	b	1025.4	-1	57	+3	WSW	1	W	c	1	-	64	52	c.b	b	bc	*	
NORTHERN EUROPE.	Wick ...	1026.1	54	NNW	1	og	1014.7	-3	52	0	WNW	2	-	o	2	1	57	49	og.bc	bc.og	omp		
	Nairn ...	1026.0	59	WNW	3	cy	1016.6	*	56	0	W	4	-	g.bc	2	2	66	47	c.bc	bc.c	cay	7.9	
	Aberdeen ...	1027.4	53	SE	1	o	1017.3	-4	53	-6	SEW	2	-	o	2	2	64	49	bcy.o	op.o	c.o.r	5.1	
	Leith ...	1026.8	61	W	3	o	1019.5	-3	55	-4	WSW	3	W	cy	3	0.3	65	51	c.o.cu	cy.c.o	og.cu	*	
	Tynemouth ...	1026.9	61	-	0	omg	1021.8	-2	55	-5	WNW	4	-	og	3	-	74	50	om	om	om.ow	*	
	Spurn Head ...	1024.0	61	SE	1	o	1024.9	0	55	-1	NW	5	-	cy	4	-	66	52	bv	b.v.o	cy	4.8	
	Yarmouth (Gorleston) ...	1027.6	60	S	1	bc	1023.6	-2	60	+4	NW	3	-	o	2	-	68	56	bc	bc	o.b.c	12.0	
	Clacton on Sea ...	1028.8	60	SE	2	bc	1025.0	0	63	+9	WNW	3	-	cm	2	-	63	54	bc.c.bc	bc	bc.oom	10.0	
	Nottingham ...	1028.7	71	ENE	2	o	1025.7	*	55	+1	NW	2	NW	o	*	-	77	54	b.bc	og	o.em	6.1	
	Benson (Oxon.) ...	1027.3	75	ENE	1	bc	1025.7	-1	61	+8	-	0	NW	c	*	-	79	53	b	b.bcy	o	*	
FRANCE, &c.	Sth Farnborough ...	1028.0	75	N	4	cy	1026.3	?	62	+5	NW	2	NW	cm	*	-	76	57	b.bcy	bc.cy	yc.opac	14.0	
	Salisbury Plain ...	1028.3	73	NNE	1	bc	1026.0	0	61	+2	-	0	NW	o	*	-	76	55	b	b.bc	o	*	
	London (Kew Obs.) ...	1028.0	75	NE	1	bc	1025.5	0	62	+8	NW	1	NW	om	*	-	77	54	bmb	b.bc	bc.oom	13.0	
	Spitsbergen ...	1017.8	45	-	0	o	1014.0	-2	45	+	-	0	*	o	*	-	45	37					
	Vardø ...	1024.6	45	SE	4	o	1019.1	-3	46	0	E	3	-	g	3	*	46	43					
	Bodø ...	1012.4	57	-	0	b	1013.9	0	50	-2	SW	1	-	c	1	2	64	48					
	Christiansund ...	1020.3	48	W	2	o	1012.4	-4	52	0	E	1	-	b	3	8	52	46					
	Skudesnaes ...	1021.1	52	W	4	b	1015.2	-6	50	+2	W	1	-	c	1	-	55	43					
	Færder (Xaniafjord) ...	1011.8	63	SSE	1	b	1008.8	-1	61	0	NNE	2	-	b	2	-	64	59					
	The Sævi (Skagen) ...	1013.2	57	W	6	b	1009.0	-1	55	-2	W	4	-	b	4	-	61	52					
IBERIA, &c.	Blaavands Huk ...	1022.3	55	NW	4	c	1018.8	-1	52	-2	NW	4	-	o	*	-	57	50					
	Copenhagen ...	1017.2	63	NNW	4	c	1015.6	0	54	-10	NW	4	-	o	*	-	66	52					
	Bornholm ...	1014.6	64	NW	1	m	1013.8	0	54	-9	WNW	3	-	c	1	-	70	52					
	The Helder ...	1027.0	59	WNW	2	b	1021.6	-3	59	+4	SW	3	W	c	1	-	61	55					
	C. Gris Nez ...	1028.8	58	NE	3	b	1026.7	-2	58	+3	W	2	*	c	1	-	64	52					
	La Hève ...	1028.7	59	NE	3	b	1027.8	*	54	0	E	1	*	m	1	-	64	50					
	Brest (St. Mathieu) ...	1029.2	66	NE	4	b	1027.9	-1	64	+5	NE	1	*	bc	-	-	64	54					
	Rocheville (d'Aix) ...	1025.4	75	NE	5	b	1024.3	0	61	+4	NE	2	*	b	*	-	82	55					
	Biarritz ...	1025.5	68	NW	3	bc	1023.8	0	63	-1	WSW	3	*	c	*	-	75	?					
	Paris ...	1026.6	66	WSW	2	b	1026.0	-1	59	+4	-	0	*	b	*	-	68	48					
MEDITERRANEAN.	Belfort ...	1023.8	57	E	2	o	1024.4	*	59	+9	ENE	4	*	m	*	-	61	48					
	Lyons ...	1023.5	59	NNW	3	o	1021.4	*	57	0	NNW	3	*	b	*	-	64	55					
	Nice ...	1014.4	68	SW	3	b	1013.8	+1	68	+2	-	0	*	b	*	-	79	61					
	Perpignan ...	1019.8	75	NW	5	b	1018.4	-1	70	-2	NW	4	*	b	*	-	79	64					
	Sanguinaire ...																						
	Corunna ...	1025.1	72	N	4	bc	1024.4	+1	64	-2	NE	2	-	b	2	-	73	59					
	Madrid ...	1011.6	82	-	0	b	?	-1	73	+5	E	3	W	bc	*	-	81	55					
	Lisbon ...	1015.9	88	NW	5	b	1014.7	0	79	+2	NNW	4	-	b	2	-	93	77					
	Azores (Horta) ...	1029.1	*	SSW	4	bc	1028.2	-1	64	0	NNE	3	*	b	1	-	77	63					
	(P. Delgada) ...	1028.8	*	SSE	2	bc	1028.2	0	64	-2	ENE	3	*	bc	2	-	75	64					
MEDITERRANEAN.	Madeira ...	1020.4	75	NW	3	b	1019.4	0	64	0	NW	4	-	o	4	-	77	63					
	Gibraltar ...	1016.6	70	E	4	b	1015.2	*	70	0	E	4	*	b	2	-	82	68					
	Palma ...					</																	



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20680.

Saturday, 6<sup>th</sup> July, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 5<sup>TH</sup> July.

STATIONS.		EVENING OF 4 <sup>TH</sup>					MORNING OF 5 <sup>TH</sup>										MORNING OF 5 <sup>TH</sup>							
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours.	Direc.		Force 0-12.	
RUSSIA.	Archangel ...		F.																					
	Petrograd ...														*									
	Moscow ...														*									
SWEDEN.	Hernösand ...	1015.2	61	-	0	c	1010.0	*	66	0	NNW	2	b	*	*	*		Isafjord ...	1011.4	48	0	-	0	b
	Stockholm ...	1013.8	73	SE	2	bc	1009.1	*	73	-2	-	0	0	*	*	*		Reykjavik	1011.4	46	0	-	0	c
	Wisby ...	1012.7	66	SW	2	b	1009.1	*	64	-4	WNW	2	0	*	*	*		Vestmanna	1011.4	46	0	-	0	c
																		Seydisfjord	1011.0	59	+9	-	0	b
																		Thorshavn	1009.7	51	0	NW	2	0
ITALY.	Venice ...	1013.7	70	?	?	0	1014.2	*	68	0	NE	1	0	Trace	75	66	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
	Turin ...	1014.5	75	-	0	bc	1013.4	*	72	+4	-	0	b	-	86	64								
	Pesaro ...	1013.3	68	N	2	c	1013.7	*	72	-1	-	0	0	-	79	64	5 <sup>TH</sup> July 1918.		Sunrise.	Noon.	Sunset.			
	Leghorn ...																		G.M.T.	G.M.T.	G.M.T.			
	Rome ...	1014.3	70	-	0	bc	1014.0	*	70	+2	NE	1	b	-	71	63	Yarmouth ...	{	8.39	11.58	8.16			
	Viesti ...	1012.9	68	NW	1	b	1013.3	*	68	-4	NW	1	0	-	75	61			3.40	11.58	8.15			
	Brindisi ...	1013.8	68	NW	2	0	1013.7	*	70	+2	NE	1	bc	-	75	66	Greenwich ...	{	3.52	12.5	8.16			
	Cagliari ...	1015.8	86	NW	5	b	1014.7	*	73	-2	NW	3	b	-	86	63			3.53	12.5	8.16			
	Palermo ...	1015.5	87	SE	2	f	1014.3	*	75	+3	E	1	b	-	88	61	Wick ...	{	3.18	12.17	9.15			
	Tripoli ...																		3.19	12.17	9.14			
																	Valencia ...	{	4.30	12.46	9.0			
																			4.31	12.46	9.0			

LONDON JULY 6 <sup>TH</sup> 9h. G.M.T.	HUMIDITY.		Sun- shine for 5 <sup>TH</sup>	24 HOURS ENDED 9h. 5 <sup>TH</sup>					WEATHER.		
	15 h.	9 h.		TEMPERATURE.			Rain- fall.	Morning.	Afternoon.	Night.	
	5 <sup>TH</sup>	6 <sup>TH</sup>		Max.	Min.	Min. on Grass.					
GREENWICH (Royal Observatory) ...	42	68	3.8	77	57	44	-	c.	bc	c.0	
CITY (Bunhill Row) ...	*	*	3.2	*	*	*	*	*	*	*	
WESTMINSTER (St. James's Park) ...	42	67	3.6	75	60	50	-	*	*	*	
" (ROOF NEAR CHARING CROSS) ...	38	69	3.6	76	59	*	-	c	bc.c	*	
CAMDEN SQ. (British Rainfall) ...	3	65	3.9	70	57	52	-	o.c	b.bc	*	
KENSINGTON PALACE ...	41	76	3.7	74	50	50	-	b	c.0	*	

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

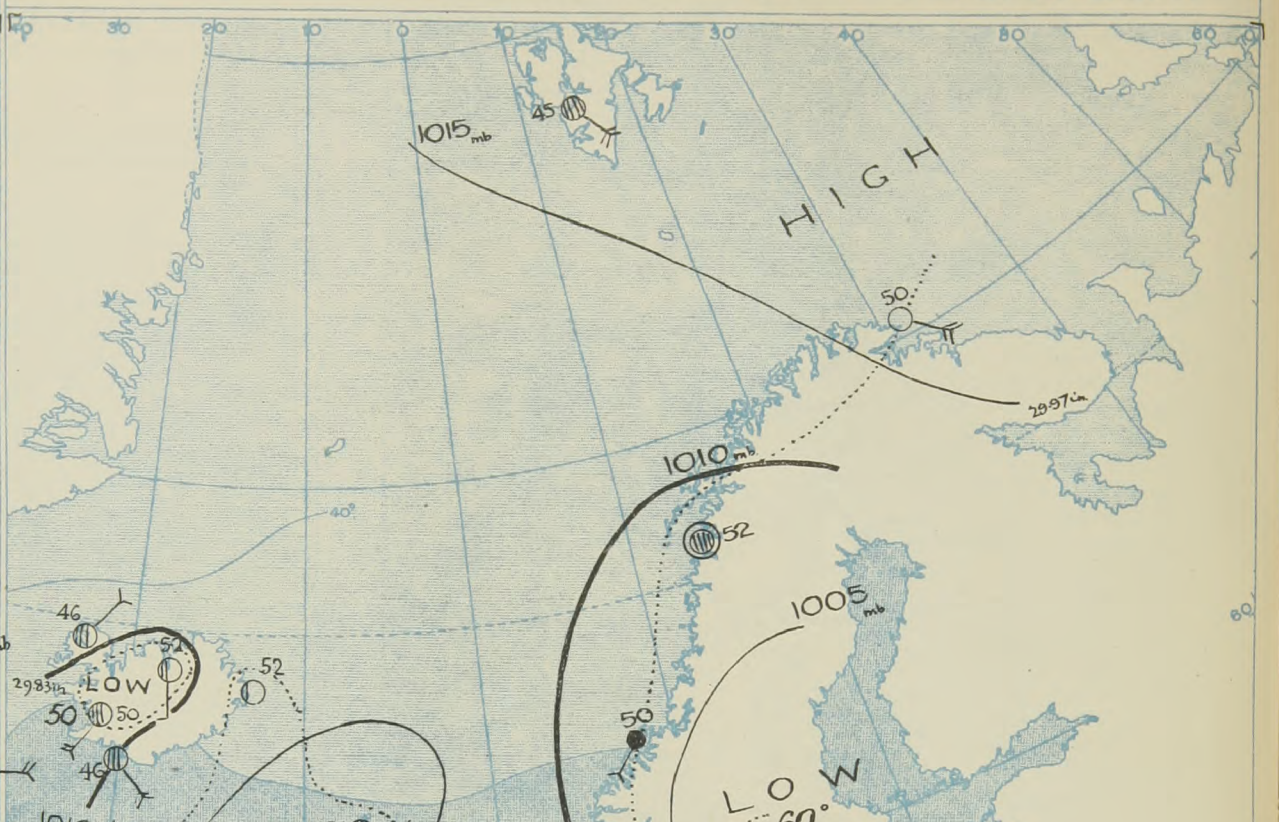
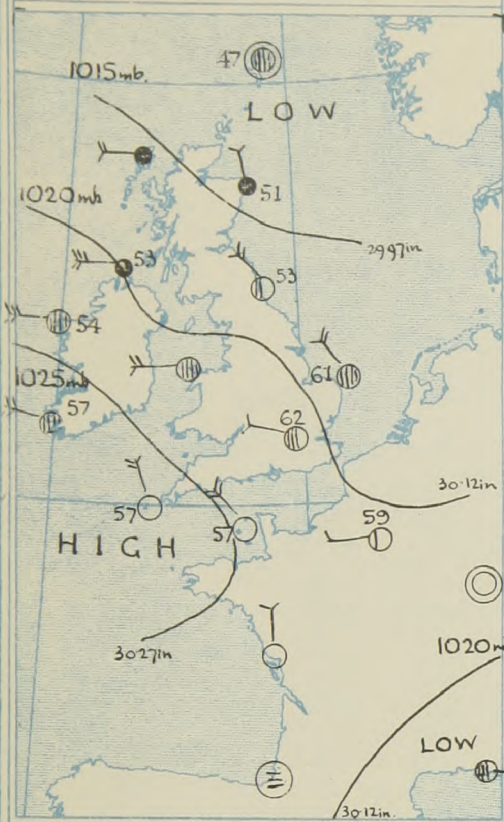
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 6 <sup>TH</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1720	29.0	89.5

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 Meteorological Office.



6<sup>th</sup>, JULY, at 1h. G.M.T.

THE MORNING OF SATURDAY, 6<sup>th</sup>, JULY 1918, at 7h. G.M.T.



# 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

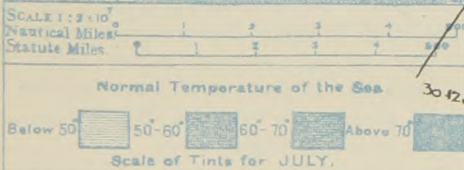
**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

**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.

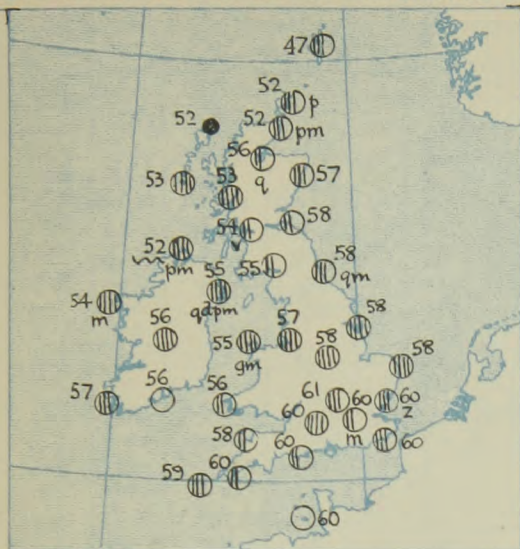
**SEA DISTURBANCE.**—Rough High





Both

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

Notes on the Weather of the 24 hours ended 7h Today

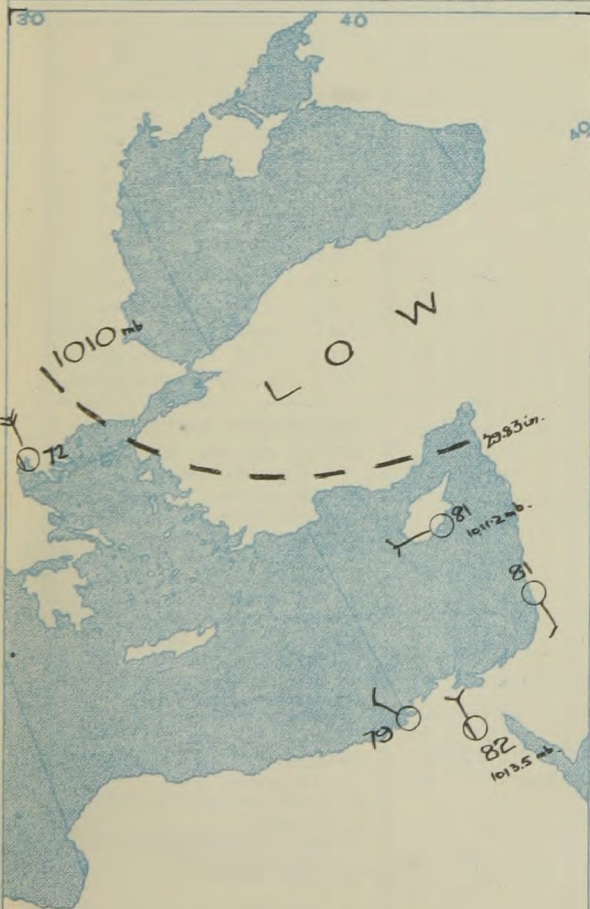
Small quantities of rain fell in the North and the day in the same region was sunless. Further south sunshine measurements ranged up to 13hrs at Scilly. Temperature reached 75° in the SE of England and 71° at Roche's Point. Night temperature again remained high in the SE.

The Conditions at 7h Today.

An anticyclone extends from our SW coasts to the Azores. A depression lies over the Baltic and a fresh depression has formed over Iceland. Winds over this country and the North Sea area are mainly from W or NW of moderate force and there is much cloud. Showers are falling at some northern stations. Pressure is uniform over France and winds light, with finer weather than prevails over this country.

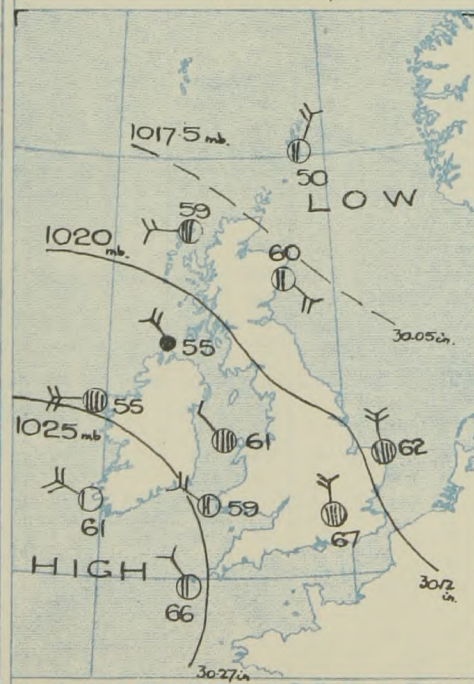
The Outlook.

The anticyclone is likely to maintain its position over the Atlantic, but depressions in the Iceland region will probably cause a continuance of westerly winds over the British Islands with unsettled weather in the North.



Saturday, 6<sup>th</sup>

, JULY, 1918, at 13h. (1p.m.) G.M.T.



No change of importance has occurred since the time of the morning (7h) rap.



STATIONS.	EVENING OF 5 <sup>TH</sup>					MORNING OF 6 <sup>TH</sup>										24 HOURS ENDED 7 <sup>TH</sup>					Sun- shine for 5 <sup>TH</sup> Hours.	
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER				
			Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1011.7	51	WNW	5	c	1014.4	+4	47	-2	N	3	NW	c	2	1	55	44	c	c	c	*
	Deerness (Orkney)	1013.8	5	W	4	og	1014.5	*	52	0	WNW	4	NW	cp	3	2	55	48	op.go	op.go	op.c	0.0
	Stornoway	1015.4	54	W	5	op.g	1017.4	+2	52	0	W	4	-	r	3	2	55	49	op.g	op.g	o.cdp	0.0
	Castlebay (Barra Isd.)	1017.7	53	WNW	4	op	1022.8	+1	53	0	WNW	4	-	o	3	1	56	51	p.to.mp	omp.op	op.bco	0.0
	Glasgow	1018.3	53	W	4	om	1018.3	0	54	+1	W	4	NW	bc	*	0.3	57	51	c.og.pd	omp	op.b	0.0
	Eskdalemuir	1019.0	56	WSW	4	o	1018.0	+1	55	+7	SW	4	-	bc	*	0.2	59	49	o.og	o.o.d	o.d.b	0.7
	Malin Head	1020.5	55	W	6	omg	1020.8	+1	52	-3	NW	4	-	omp	5	1	58	51	og	omg	omd	1.7
	Blacksod Point	1023.9	58	SW	5	og	1023.7	0	54	-1	W	4	-	om	4	1	61	53	og	og	omg	1.7
	Valencia (Cahirveen)	1028.2	59	W	3	o	1026.3	+1	57	0	NW	2	-	c	3	-	62	55	og	og	o.c	8.2
	Roche's Point	1026.5	64	NW	4	c	1025.4	*	56	0	N	4	-	b	3	-	71	54	c.o	c	bc.by	*
	Birr Castle	1024.9	64	NW	2	c	1024.4	*	56	+3	NW	1	-	o	*	-	67	52	c	c	o	8.2
	Donaghadee	1020.6	62	W	5	ogm	1020.3	+1	55	+1	WNW	4	NW	omg.pd	3	TRACE	64	53	omg.p	omg.og	ogm	*
	Liverpool (Bidston)	1021.2	61	W	4	bc	1020.6	+1	57	+1	W	4	W	o	3	-	64	56	bc	bc	o	4.0
	Holyhead	1022.8	62	WSW	4	bc	1022.1	+1	55	-1	W	4	-	omg	3	?	66	54	c.bc.o	o.c.bc	c.o	5.6
	Pembroke (St Ann's)	1025.5	59	WSW	3	bc	1024.0	+1	56	-1	WNW	2	NW	bc	1	-	61	53	bc	bc	bc	5.2
	Hartland Quay	1026.1	60	WSW	2	c	1024.2	0	58	0	WNW	3	NW	bc	4	-	63	57	o	o.c.bc.c	o.bc	*
	Scilly (St. Mary's)	1027.6	63	NNW	3	bc	1026.4	-1	59	-2	NNW	3	N	c	3	-	65	55	bc	bc	bc	13.1
	Falmouth	1026.0	64	NNW	2	by	1024.4	+1	60	0	NW	4	NW	bc	*	-	69	54	by	by.bc	bc.bc	9.3
	Jersey (St. Aubin)	1024.4	69	WNW	2	b	1023.4	*	60	+2	WNW	3	-	b	2	-	73	53	o.c.b	b	b	10.8
	Portland Bill	1025.3	64	W	2	bc	1022.3	-1	60	0	NNW	3	NW	bc	3	-	68	56	bc	bc	bc	*
	Dungeness	1021.7	61	SW	2	c	1019.4	0	60	+3	WSW	3	-	c	2	-	64	51	c.o.c	c	bc.bc	*
Wick	1013.7	54	WNW	3	o	?	+3	52	0	WNW	2	-	bcm	2	1	57	49	omp	mg	omp	*	
Nairn	1014.3	57	W	3	c	1016.2	*	56	0	W	3	-	bcg	2	0.1	61	52	bcc	cdg	cu.og	0.5	
Aberdeen	1015.1	58	NW	1	o	1016.4	+2	57	+4	NW	4	-	c	2	0.2	61	52	or	ov.op	o.c	0.2	
Leith	1016.9	53	NW	5	bc	1017.0	+1	58	+3	NW	2	NW	bc	3	-	61	53	cg.w.c	c.og.bc	bc.bc	*	
Tynemouth	1017.5	61	NW	5	og	1017.3	+1	58	+3	W	3	NW	omg	3	1	62	53	og	og	bcg	*	
Spurn Head	1020.0	61	WNW	5	og	1018.4	0	58	+3	WNW	4	-	og	4	-	65	53	og	og	og	1.7	
Yarmouth (Gorleston)	1020.2	62	NNW	3	o	1017.2	0	58	-2	NNW	4	-	o	4	-	73	56	o.bc	bc	c.o	7.6	
Clacton-on-Sea	1021.4	70	W	2	cyg	1019.6	0	60	-3	WNW	3	N	cy	2	0.2	73	55	cp.bc.y	bc.cyg	?	4.1	
Nottingham	1021.5	65	NW	3	c	1019.7	*	58	+3	W	2	W	o	*	TRACE	70	53	o.c	o.bc	c	2.3	
Benson (Oxon.)	1022.0	70	NW	1	c	1020.5	+1	61	0	NW	2	-	c	*	-	76	51	b	cyb	bc.c	*	
St. Farnborough	1022.1	72	NW	2	og	1021.3	0	60	-2	WNW	3	W	o	*	-	76	55	cy.by	by.og	yac.o	5.6	
Salisbury Plain	1022.8	68	W	3	o	1021.9	0	60	-1	W	2	-	c	*	-	75	47	c	c	bc.c	*	
London (Kew Obs.)	1021.8	71	NW	1	o	1020.8	+2	60	-2	W	1	NW	bcm	*	-	73	57	om.c	b.o	o.bc.bum	4.0	
NORTHERN EUROPE.	Spitsbergen	1014.7	46	SE	5	o	1018.4	0	45	0	SE	4	*	o	*	46	39	*	*	*	*	
	Vardø	1017.5	48	S	5	b	1018.3	0	50	+4	SE	5	-	b	5	*	50	43	*	*	*	*
	Bodø	1008.7	52	SW	1	c	1006.6	0	52	+2	-	0	-	o	1	-	52	48	*	*	*	*
	Christiansund	1008.4	54	SE	2	c	1008.4	+1	50	-2	SW	2	-	r	3	TRACE	55	48	*	*	*	*
	Skudesnaes	1010.0	50	WNW	2	r	1009.9	0	50	0	WNW	4	-	o	2	-	52	48	*	*	*	*
	Færder (X'ania Fjord)	1003.9	63	WSW	4	o	1003.9	0	61	0	NNW	2	-	b	2	-	64	57	*	*	*	*
	The Scaw (Skagen)	?	54	W	6	bc	?	-2	57	+2	?	5	-	b	5	-	63	52	*	*	*	*
	Blaavands Huk	1015.2	54	W	3	o	1012.3	0	55	+3	WNW	3	-	o	*	TRACE	57	50	*	*	*	*
	Copenhagen	1013.9	59	NW	3	bc	1010.6	-1	55	+1	WNW	4	-	o	*	-	63	52	*	*	*	*
	Bornholm	1012.7	57	W	4	m	1010.8	0	54	0	W	3	W	bc	1	*	59	52	*	*	*	*
	The Helder	1020.2	57	W	3	bc	1016.2	-1	57	-2	W	2	-	o	1	TRACE	63	57	*	*	*	*
	C. Gris Nez	1022.7	60	SW	3	o	1020.6	+1	59	+1	W	2	*	o	1	-	66	57	*	*	*	*
FRANCE, &c.	La Hève	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Brest (St. Mathieu)	1026.3	64	NNW	4	b	1025.8	+1	59	-5	NNW	2	*	bc	2	-	73	54	*	*	*	*
	Rochefort (Ile d'Aix)	1022.0	66	NW	4	b	1022.3	+1	63	+2	NE	2	*	b	*	-	75	55	*	*	*	*
	Biarritz	1021.6	70	NW	3	b	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Paris	1022.6	73	N	2	c	1021.5	0	64	+5	WSW	1	*	b	*	1	79	54	*	*	*	*
	Belfort	1019.8	68	E	2	b	1022.6	*	54	-5	-	0	*	o	*	-	72	50	*	*	*	*
IBERIA, &c.	Lyons	1018.4	72	N	3	b	1020.7	*	61	+4	NW	3	*	b	*	-	75	55	*	*	*	*
	Nice	1016.2	?	E	3	c	1016.0	+1	68	0	-	0	*	b	0	-	81	59	*	*	*	*
	Perpignan	1016.4	77	WSW	3	b	1018.7	0	75	+5	NW	2	*	b	*	-	81	66	*	*	*	*
	Sanguinaire	1014.8	73	SW	3	m	1016.2	*	70	?	SE	3	*	m	?	-	79	63	*	*	*	*
	Corunna	1021.6	68	NNE	5	b	1021.4	0	68	+4	NE	3	-	b	2	-	70	61	*	*	*	*
	Madrid	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
MEDITERRANEAN.	Lisbon	1011.9	88	NW	4	b	1012.8	+1	75	-4	NNW	5	-	b	2	-	91	75	*	*	*	*
	Azores (Horta)	1028.4	*	SE	4	c	1026.2	0	63	-1	NNE	1	*	o	1	-	75	63	*	*	*	*
	„ (P. Delgada)	1027.1	*	NE	4	bc	1024.7	0	64	0	ENE	3	*	b	2	-	72	63	*	*	*	*
	Madeira	1018.0	72	N	4	b	1016.0	0	66	+2	N	3	-	b	3	-	72	66	*	*	*	*
	Gibraltar	1013.9	70	E	4	bc	1014.5	*	70	0	E	4	*	c	3	-	78	69	*	*	*	*
	Palma	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Algiers	1015.1	72	NE	1	b	1016.8	+3	70	0	NE	4	-	m	4	-	75	66	*	*	*	*
	Malta	...	...																			

\* Information for these columns not usually received.

+ Received too late for insertion in Charts

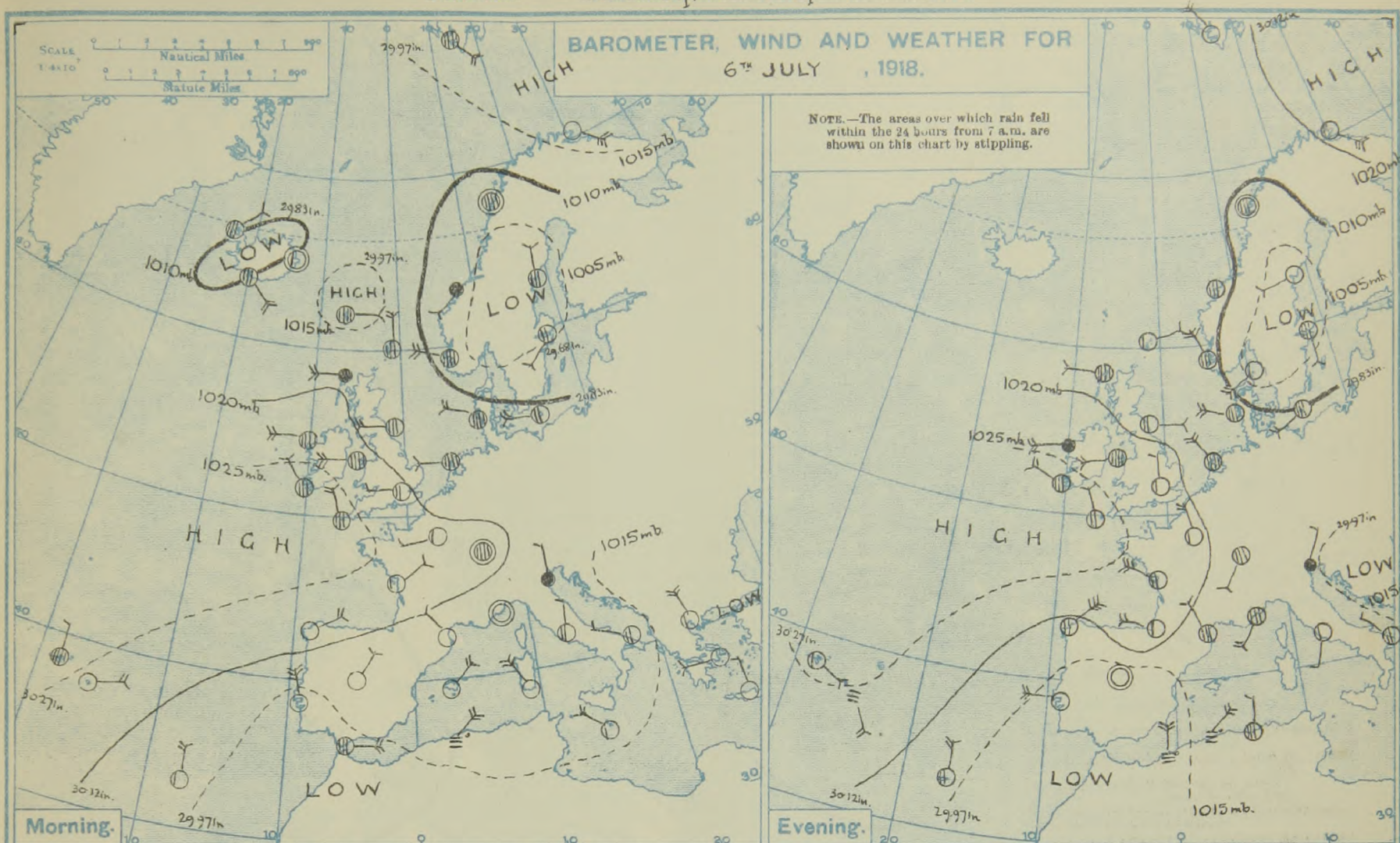


# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20681

Sunday, 7<sup>th</sup> July

1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 6<sup>th</sup> JULY.

STATIONS.		EVENING OF 5 <sup>TH</sup>					MORNING OF 6 <sup>TH</sup>										MORNING OF 6 <sup>TH</sup>							
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dirac.		Force 0-12.	
			° F.					° F.	° F.					° F.	° F.			° F.	° F.					
RUSSIA	Archangel ...													*	*		Isafjord ...	1010.4	4.6	-2	NNE	5	c	
	Petrograd ...													*	*		Reykjavik	1007.2	5.0	+4	SW	3	c	
	Moscow ...													*	*		Vestmanna	1010.6	4.6	0	SE	4	c	
SWEDEN	Hernösand ...	1003.8	63	-	0	b	1003.1	*	61	-5	N	2	c	*	*	*	Seydisfjord	1011.9	5.2	-7	-	0	b	
	Stockholm ...	1004.7	68	S	2	bc	1004.8	*	59	-14	SW	2	bc	*	*	*	Thorshavn	1016.5	5.1	0	E	2	0	
	Wisby ...	1006.7	68	SW	2	b	1007.1	*	59	-5	WSW	4	b	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
ITALY	Venice ...						1017.7	*	64	-4	N	1	c	5	7	64	7 <sup>TH</sup> AND 8 <sup>TH</sup> JULY, 1918.					Sunrise.	Noon.	Sunset.
	Turin ...	1014.7	73	-	0	c	1016.7	*	68	-4	-	0	b	4	84	61						G.M.T.	G.M.T.	G.M.T.
	Pesaro ...	1016.1	66	-	0	b	1017.0	*	70	-2	N	1	c	6	77	55						3.40	11.58	8.15
	Leghorn ...	1016.9	73	-	0	b	1016.3	*	72	-	N	0	c	-	79	68						3.41	11.58	8.15
	Rome ...	1015.5	66	E	1	b	1017.0	*	66	-4	N	1	bc	-	81	59						3.53	12.5	8.16
	Viesti ...	1015.1	68	WNW	1	b	1016.5	*	?	-	WNW	1	b	-	75	64						3.54	12.5	8.16
	Brindisi ...	1014.9	62	S	1	b	1016.2	*	68	-2	NW	1	bc	-	75	?						3.19	12.17	9.14
	Cagliari ...	1013.4	82	SE	3	b	1016.3	*	78	+5	NW	4	b	-	86	61						3.20	12.17	9.13
	Palermo ...																					4.31	12.46	9.0
	Tripoli ...																					4.32	12.46	8.59

LONDON 7 <sup>th</sup> JULY ... 9h. G.M.T.				24 HOURS ENDED 9h. 7 <sup>th</sup>							
				TEMPERATURE.			Rain-fall. mm.	WEATHER.			Sun-shine for 24 hours.
				Max. °F.	Min. °F.	Min. on Grass. °F.		Morning.	Afternoon.	Night.	
GREENWICH (Royal Observatory)	49	71	5.7	74	55	40	-	0	c	b.c.bc.	
CITY (Bunhill Row)	*	*	5.3	*	*	*	*	*	*	*	
WESTMINSTER (St. James's Park)	52	69	6.3	72	53	47	-	*	*	*	
" (Roof near Charing Cross)	54	71	6.3	74	56	*	-	0	c.bc.	*	
CAMDEN SQ. (British Rainfall)	55	62	4.5	76	54	49	-	0.c.	c.bc.	*	
KENSINGTON PALACE	55	77	6.2	73	53	42	-	bc	bc.b.	*	

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

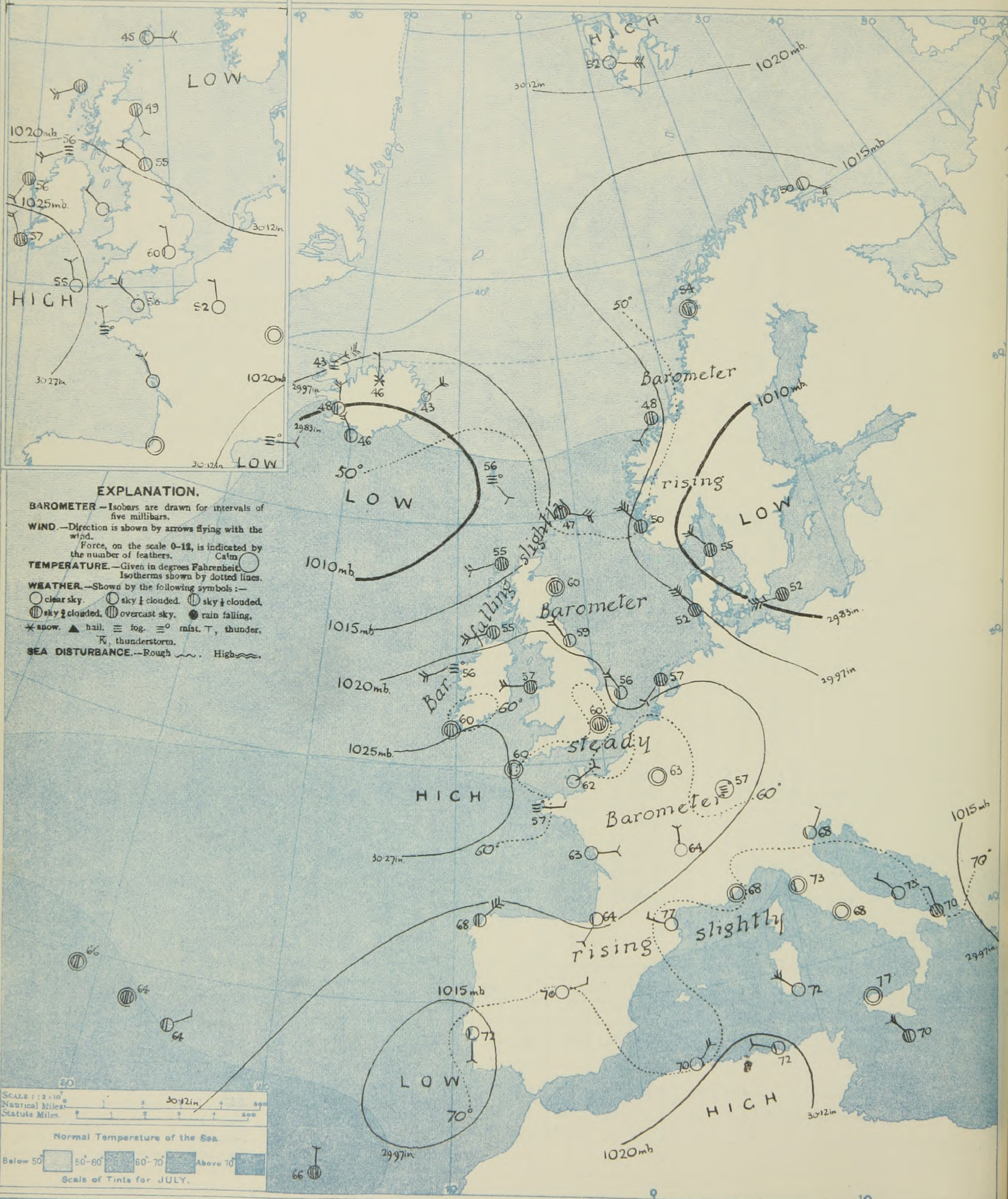
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 6 <sup>th</sup> ...		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1230	20.9	72

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 Meteorological Office.



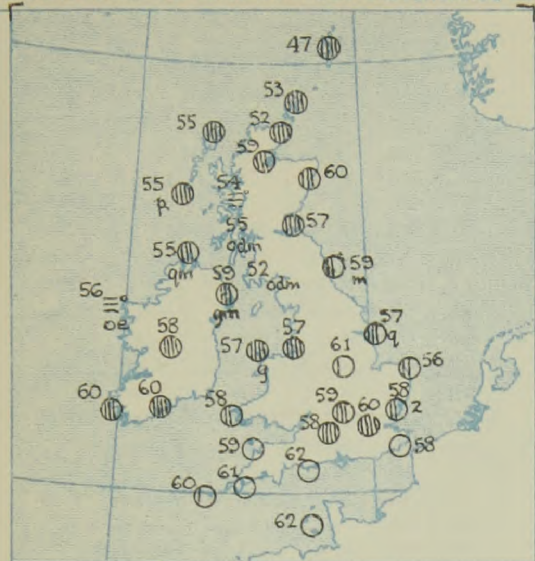
7<sup>th</sup>, JULY, at 1h. G.M.T.

THE MORNING OF SUNDAY, 7<sup>th</sup>, JULY 1918, at 7h. G.M.T.





TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

Notes on the Weather of the 24 hours ended 7h Today.

A little rain fell in Scotland but elsewhere the weather continued dry. Sunshine measurements were rather poor except in the SW of the country, 15 hours being recorded at Falmouth.

Temperature reached 76° at Benson and South Farnborough, but generally remained below 70°. It did not exceed 60° at northern stations.

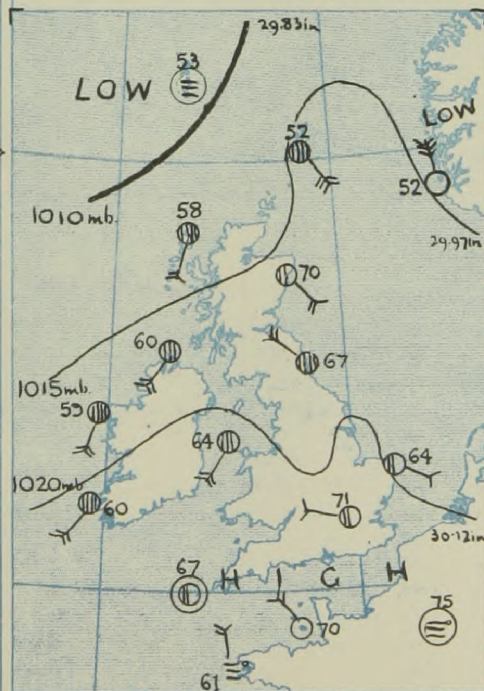
The Conditions at 7h Today.

An anticyclone continues to occupy the Atlantic from our SW coasts to the Azores and a depression is still shown over the Baltic. A fresh depression has now appeared off the NW of Scotland. Winds over this country are generally light, being fresh only in the southern Hebrides (from WSW) and Shetlands (from ESE). Over the Skagarak and Denmark a strong NW wind is blowing. A little rain is falling in Scotland and generally there is much cloud over the North Sea and this country, but in the English Channel the sky is cloudless. Uniform pressure and light breezes continue to prevail over France.

The Outlook.

It is probable that the depression in the north will cause a continuance of westerly wind over the British Isles with unsettled weather in Scotland.

SUNDAY, 7<sup>TH</sup>, JULY, 1918, at 13h. (1p.m.) G.M.T.



R. G. K. LEMPFT, C.B.E., Supt., Forecast Divn.

H.G. LYONS, Lieut. Col., Director.



STATIONS.		EVENING OF 6 <sup>TH</sup>					MORNING OF 7 <sup>TH</sup>										24 HOURS ENDED 7 <sup>TH</sup>						Sun- shine for 6 <sup>TH</sup> Hours.
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 5 hours.	Dry Bulb. °F.	Change in 24 hours.	WIND.		Direc. 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	1018.7	46	ENE	2	b	1017.1	-2	47	0	ESE	5	-	0	3	Trace	55	42	bc	bc	c	6.5	
	Deerness (Orkney)	1018.3	52	E	1	c	1015.6	*	53	+1	SSW	2	-	0	1	56	48	cp.c	c	c.o	3.4		
	Stornoway	1018.4	58	W	2	o	1014.3	-2	55	+3	WSW	3	-	0	2	59	51	c	c.o	c.o	3.4		
	Castlebay (Barra Isd.)	1020.0	54	W	3	o	1016.3	-1	55	+2	WSW	5	-	o	4	58	52	a.c.o	cp.o	p.b.o	3.1		
	Glasgow	1019.8	59	WSW	4	c	1019.4	-1	55	+1	SW	2	-	o	3	62	52	bc.c	c.b.c	c.o	7.1		
	Eskdalemuir	1020.1	58	S	2	o	1020.3	0	52	-3	SW	3	-	o	*	65	50	bc.b	bc.c	o	9.1		
	Malin Head	1021.9	54	W	4	o	1018.6	-2	55	+3	WSW	4	-	o	4	56	52	o	o	o	0.5		
	Blacksod Point	1024.2	57	WSW	4	o	1020.3	-2	56	+2	SW	4	-	o	3	60	53	o	o	o	8.0		
	Valencia (Cahirciveen)	1026.7	61	NW	3	c	1024.4	-2	60	+3	-	0	-	c	2	63	56	c.b.c	b.b.c	c	8.0		
	Roche's Point	1025.2	66	N	4	b	1025.0	*	60	+4	-	0	-	o	1	67	56	b	b	b	3.4		
Birr Castle	1023.7	66	NW	1	c	1023.2	*	58	+2	NW	1	-	o	1	68	56	o	o	o	3.4			
Donaghadee	1021.7	55	-	0	o	1020.1	0	59	+4	W	3	W	o	1	64	53	o	o	o	2.8			
Liverpool (Bidston)	1021.9	59	WNW	3	bc	1022.0	0	57	0	W	2	W	o	2	62	55	o	o	o	0.8			
Holyhead	1023.0	59	WSW	3	o	1022.7	0	57	+2	W	3	W	o	1	65	50	o	o	o	12.7			
Pembroke (St. Ann's)	1024.7	59	WNW	2	b	1024.1	+1	58	+2	NW	1	N	o	0	62	53	bc	bc	bc	12.7			
Hartland Quay	1024.4	62	WNW	2	b	1024.2	0	59	+1	SSW	2	-	b	3	63	56	bc	bc	bc	12.7			
Scilly (St. Mary's)	1026.2	63	NNW	2	bc	1024.8	0	60	+1	-	0	NW	o	2	67	53	bc	bc	bc	12.2			
Falmouth	1024.2	65	NNW	3	b	1024.6	+1	61	+1	N	1	-	b	*	70	55	b	b	b	14.9			
Jersey (St. Aubin)	1023.3	65	WNW	3	b	1022.9	*	62	+2	NE	2	-	b	1	65	53	b	b	b	13.8			
Portland Bill	1022.0	62	W	3	b	1023.0	+1	62	+2	NW	2	-	b	2	63	55	bc	bc	b	*			
Dungeness	1020.8	62	SW	4	b	1021.6	+1	58	+2	N	2	-	bc	1	70	52	c.b.c	bc	bc	*			
Wick	1018.2	54	NNW	3	c	1015.8	-1	52	0	SSW	1	-	o	1	59	49	o	c	o	9.8			
Nairn	1018.3	62	-	0	c	1016.1	*	59	+3	-	0	-	c	0	68	52	bc	bc	bc	6.7			
Aberdeen	1019.0	54	SE	1	o	1017.4	0	60	+3	-	0	-	c	2	67	54	o	o	o	*			
Leith	1018.0	64	NW	4	b	1018.1	0	57	-1	SW	1	-	o	2	69	53	bc	bc	bc	4.3			
Tynemouth	1018.4	60	ESE	2	bc	1019.0	0	59	+1	NW	3	NW	bc	3	67	53	bc	bc	bc	4.3			
Spurn Head	1020.7	59	SE	2	bc	1020.8	0	57	-1	WNW	4	-	bc	3	63	54	c	o	o	4.3			
Yarmouth (Gorleston)	1019.7	61	NE	3	bc	1019.4	0	56	-2	NW	3	-	bc	2	69	49	o	o	o	3.5			
Clacton-on-Sea	1020.9	67	WNW	2	bc	1022.0	+1	58	-2	WNW	3	-	bc	1	69	49	c	o	o	2.0			
Nottingham	1021.4	62	WNW	2	b	1021.3	*	61	+3	WNW	2	NW	b	*	67	51	o	c	b	5.1			
Benson (Oxon.)	1020.7	72	NNE	2	b	1022.3	0	59	-2	NW	1	-	c	*	76	46	bc	b	bc	10.7			
St. Farnborough	1020.9	72	NNW	2	bc	1022.6	0	61	+1	W	1	-	o	*	76	63	o	c	bc	10.7			
Salisbury Plain	1021.0	71	W	3	bc	1022.7	0	58	-2	-	0	NW	o	*	75	48	bc	bc	bc	7.1			
London (Kew Obsy.)	1021.0	72	N	1	b	1022.4	+1	60	0	-	0	-	o	*	72	64	bc	bc	bc	7.1			
NORTHERN EUROPE.	Spitsbergen	1019.5	52	NW	4	b	1020.6	+1	52	+7	SE	6	*	b	*	52	39						
	Vafö	1021.1	45	SE	5	bc	1022.7	+1	50	0	SSE	4	-	bc	3	50	45						
	Bodö	1009.6	52	-	0	c	1012.7	+1	54	+2	-	0	-	c	0	54	50						
	Christiansund	1013.6	50	-	0	c	1015.5	+1	48	-2	SW	2	-	c	1	55	46						
	Skudesnaes	1012.7	50	NNW	4	c	1014.6	+3	50	0	NW	5	-	c	4	51	45						
	Færder (Hvalfjorden)	1003.4	59	NE	4	o	1007.0	+3	55	+6	N	6	-	o	2	64	52						
	The Scaev (Skagen)	1004.3	57	SW	4	b	1007.0	+4	55	-2	NW	4	-	o	4	57	54						
	Blaavands Huk	1014.0	55	WNW	4	c	1015.1	+1	52	-3	NW	6	-	o	*	59	48						
	Copenhagen	1010.4	59	W	4	o	1008.4	0	52	-3	WNW	5	-	o	*	61	50						
	Bornholm	1010.0	57	WSW	3	c	1008.6	+1	52	-2	W	7	-	o	2	59	50						
FRANCE, &c.	The Helder	1019.4	59	NW	3	o	1019.9	0	57	0	SW	2	-	o	1	61	55						
	C. Gris Nez	1022.4	61	SW	1	c	1023.4	+2	59	0	S	1	*	o	1	68	55						
	La Hève	1023.0	63	NNW	2	b	1023.0	*	59	0	WSW	2	*	m	1	68	54						
	Brest (St. Mathieu)	1025.6	61	NNW	3	b	1024.4	0	57	-2	E	1	*	m	1	64	52						
	Rochefort (Ile d'Aix)	1021.9	66	WNW	5	bc	1021.8	+1	63	0	E	2	*	b	1	77	57						
	Biarritz	1021.6	70	WNW	3	b	1020.8	+1	64	0	SW	2	*	b	1	72	61						
	Paris	1020.0	73	NNE	3	b	1023.6	+1	63	-1	-	0	-	b	*	79	50						
	Belfort	1018.6	69	SW	2	c	1023.0	*	57	+3	-	0	*	m	*	73	48						
	Lyons	1021.4	64	SW	2	c	1021.4	*	64	+3	N	2	*	b	*	79	57						
	Nice	1015.2	66	SW	3	c	1017.6	+2	68	0	-	0	*	b	0	79	59						
Perpignan	1017.9	81	NW	2	c	1019.5	+1	77	+2	WNW	1	*	b	*	86	63							
Sanguinaire																							
IBERIA, &c.	Corunna	1019.8	72	NE	6	b	1018.2	0	68	0	?	-	-	bc	1	75	57						
	Madrid	1013.5	86	-	0	b	1019.8	+1	70	+2	ENE	1	-	b	*	88	64						
	Lisbon	1013.2	82	W	4	b	1014.0	+2	72	-3	S	2	-	b	2	88	70						
	Azores (Horta)	1025.4	*	ESE	2	b	1024.6	+1	64	+1	-	0	*	o	1	75	64						
	„ (P. Delgada)	1024.6	*	SSE	3	b	1023.8	-1	64	0	NE	1	*	bc	2	73	63						
	Madeira	1015.5	72	N	3	bc	1017.9	0	66	0	N	2	-	o	3	73	64						
	Gibraltar																						
	Palma																						
	MEDITERRANEAN.	Algiers	1017.4	72	NE	4	m	1019.0	+1	70	0	NE	3	-	b	3	77	66					
		Malta		*	*	*	*	1017.2	+1	70	0	NW	3	-	c	1	77	68					
Salonica		1010.1	79	NW	3	b	1012.1	0	76	+4	NW	1	-	bc	1	87	62						
Athens		1012.6	75	ENE	1	b	1013.1	+1	75	0	-	0	-	b	2	88	68						
Candia		1013.8	73	-	0	b	1014.6	0	77	0	-	0	-	b	0	84	64						
Limassol			*	*	*	*	1007.9	0	73	-8	-	0	-	b	0	86	66						
Alexandria		1014.0	77	NE	2	b	1014.4	+1	79	0	N	2	-	b	1	86	73						

## THE BEAUFORT SCALE OF WIND FORCE.

## Limits of Velocity.

No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7

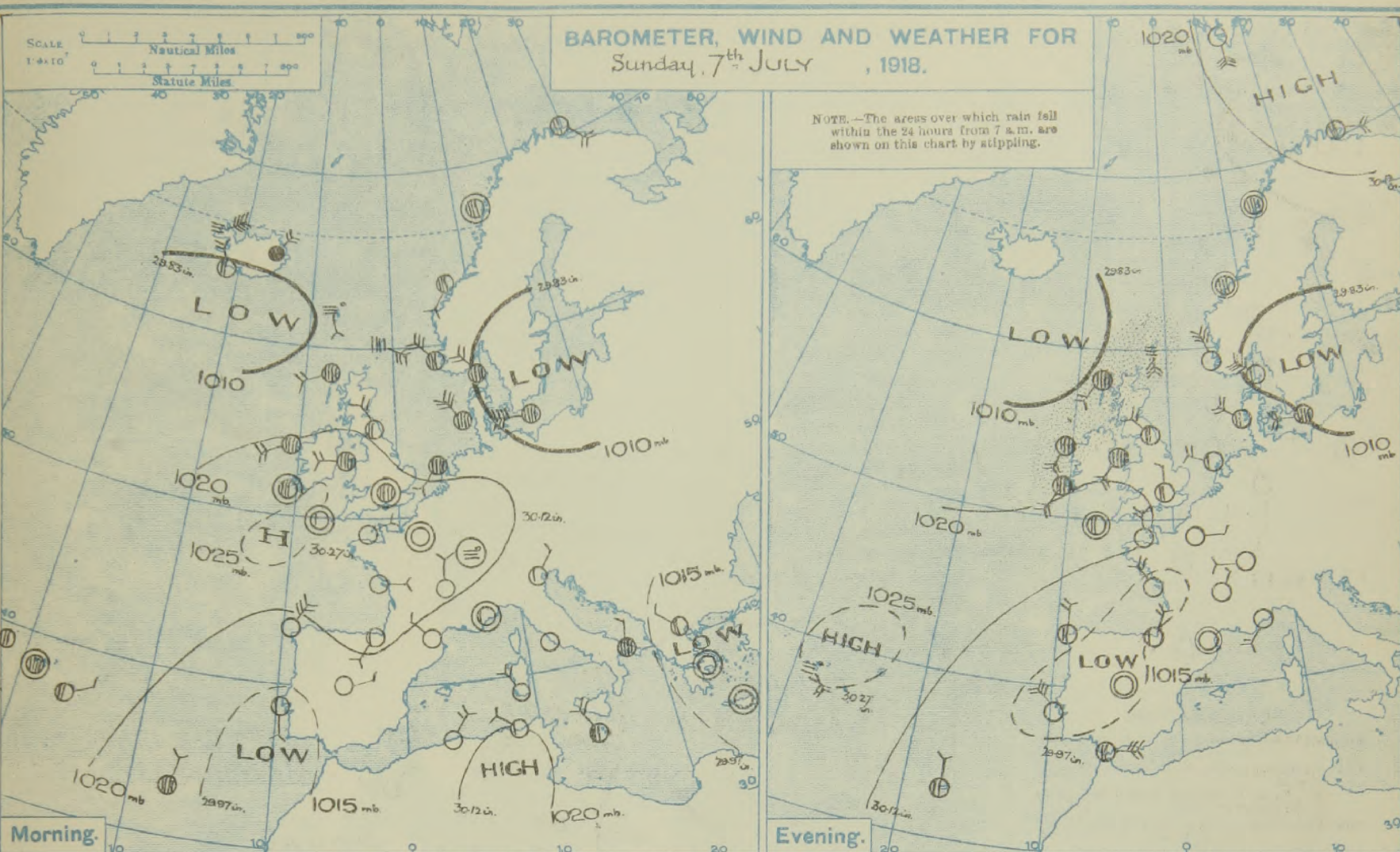


# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 982. Monday, 8<sup>th</sup> JULY 1918.

## BAROMETER, WIND AND WEATHER FOR Sunday, 7<sup>th</sup> JULY 1918.

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



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 7<sup>th</sup> JULY

STATIONS.		EVENING OF 6 <sup>TH</sup>					MORNING OF 7 <sup>TH</sup>										MORNING OF 7 <sup>TH</sup>							
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M S.L.	TEMP.		WIND.		Weather.		
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 2 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.	
		° F.							° F.	° F.					° F.	° F.			° F.	° F.				
RUSSIA.	Archangel ...														*	*							f	
	Petrograd ...														*	*							bc	
	Moscow ...														*	*								
SWEDEN.	Hernösand ...	1004.4	59	NNE	2	b		*						*	*	*								
	Stockholm ...	1003.9	64	S	2	c		*						*	*	*								
	Wisby ...	1006.0	57	SW	2	c		*						*	*	*								
ITALY.	Venice ...					bc	1017.8	*	68	+4	NE	1	b	4	72	?								
	Turin ...	1016.5	72	-	0	bc	1017.5	*	72	+4	-	0	c	-	77	63								
	Pesaro ...	1015.7	66	-	0	c	1017.8	*	72	+2	SW	1	bc	Trace	73	61								
	Leghorn ...						1017.1	*	73	+1	-	0	b	-	77	66								
	Rome ...	1016.5	72	SW	1	b	1017.8	*	68	+2	?	?	3	-	81	63								
	Viesti ...	1015.9	66	-	0	bc	1016.5	*	73		NW	1	b	-	75	63								
	Brindisi ...	1015.5	70	NW	1	bc	1016.6	*	70	+2	N	1	o	-	72	66								
	Cagliari ...						1016.2	*	72	-6	NW	3	b	-	86	61								
	Palermo ...						1017.9	*	77		-	0	b	-	99	59								
	Tripoli ...						1015.9	*	?		ESE	1	?	-	?	72								
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																			8 <sup>TH</sup> AND 9 <sup>TH</sup> JULY 1918.			Sunrise.	Noon.	Sunset.
																						G.M.T.	G.M.T.	G.M.T.
																						3.41	11.58	8.15
																						3.42	11.58	8.14
Yarmouth ...																						3.54	12.5	8.16
Greenwich ...																						3.55	12.5	8.15
																						3.20	12.17	9.13
Wick ...																						3.21	12.17	9.12
																						4.32	12.46	8.59
Valencia ...																						4.33	12.46	8.59

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

8 <sup>th</sup> AND 9 <sup>th</sup> JULY 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	3.41	11.58	8.15
Greenwich ...	...	3.54	12.5	8.16
Wick ...	...	3.20	12.17	9.13
Valencia ...	...	4.32	12.46	8.59

LONDON		HUMIDITY.		Sun-shine for 7 <sup>th</sup>	TEMPERATURE.			Rain-fall.	WEATHER.		
8 <sup>th</sup> JULY 9h. G.M.T.		7 <sup>th</sup>	8 <sup>th</sup>		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)	...	47	59	4.1	79	52	41	-	c	c	bc
CITY (Bunhill Row)	...	*	*	4.6	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	...	48	57	4.3	75	55	50	-	*	*	*
" (Roof near Charing Cross)	...	50	61	4.3	78	60	*	-	c	c	*
CAMDEN SQ. (British Rainfall)	...	?	52	5.6	79	56	52	-	-	-	*
KENSINGTON PALACE	...	?	58	5.3	75	61	45	-	?	?	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

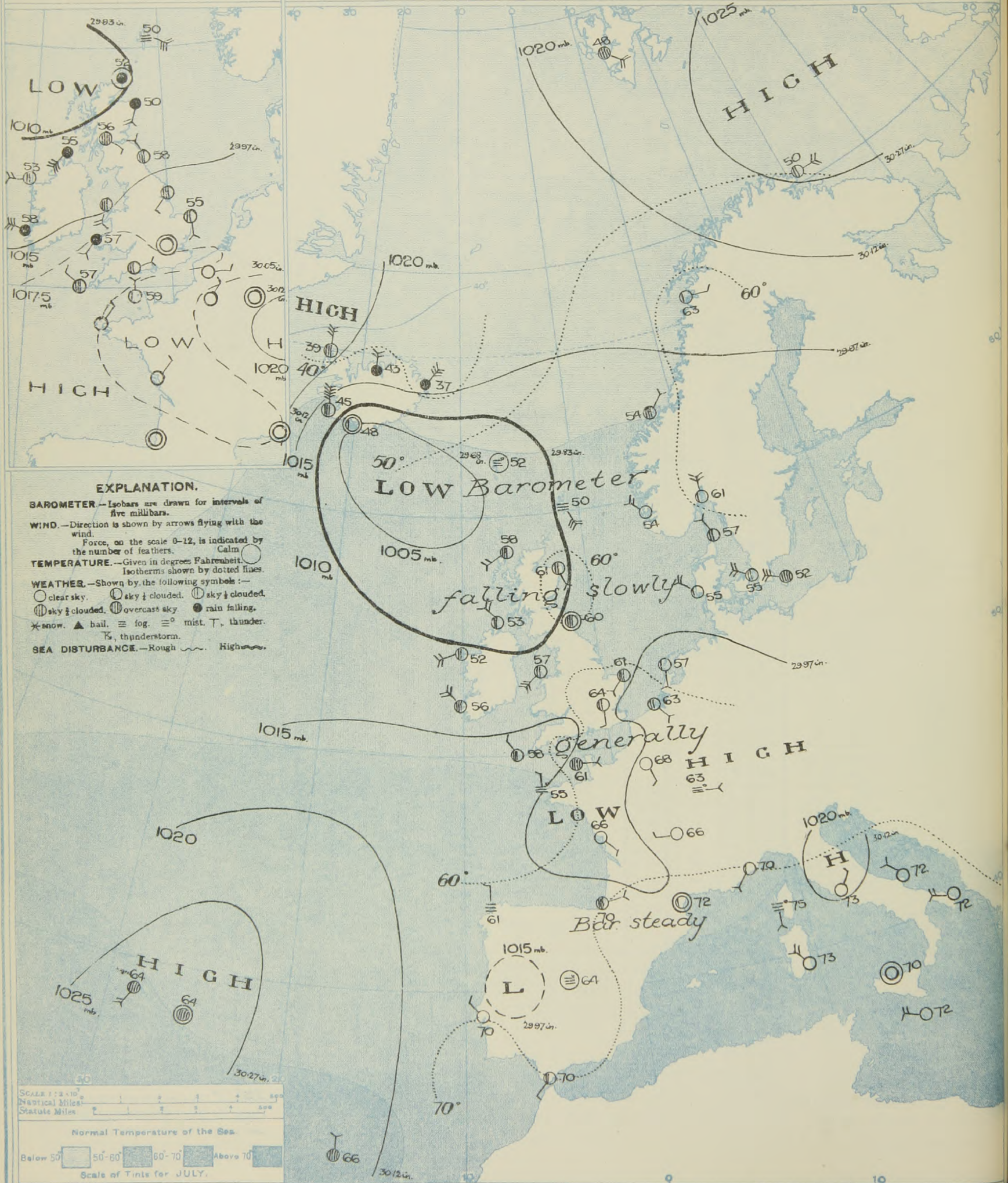
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 7 <sup>th</sup> .....		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1410	23.9	78

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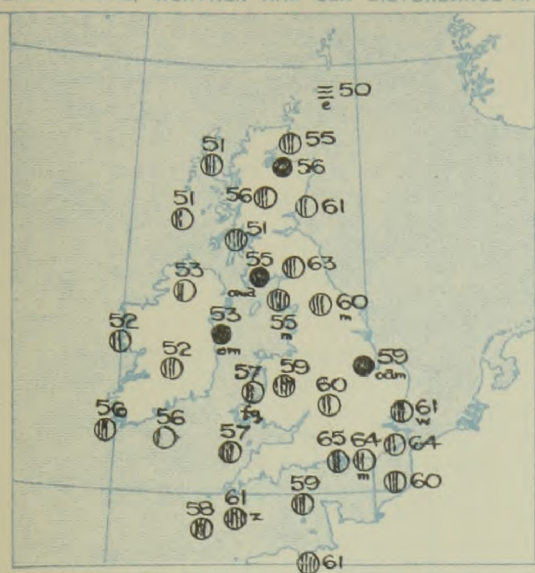


8<sup>TH</sup> JULY, at 1h. G.M.T.

THE MORNING OF MONDAY, 8<sup>TH</sup> JULY 1918, at 7h. G.M.T.







## GALES.

Notes on the Weather of the 24 hours ended 7h Today.

Moderate falls of rain occurred in the Western and Northern districts (12 in at Malin Head) but weather continued fair or fine over England. Sunshine was most abundant in the South and South west, as much as 15 hours being recorded in the Channel Isles. Temperature rose to 78° at some inland stations in the south.

The Conditions at 7h Today.

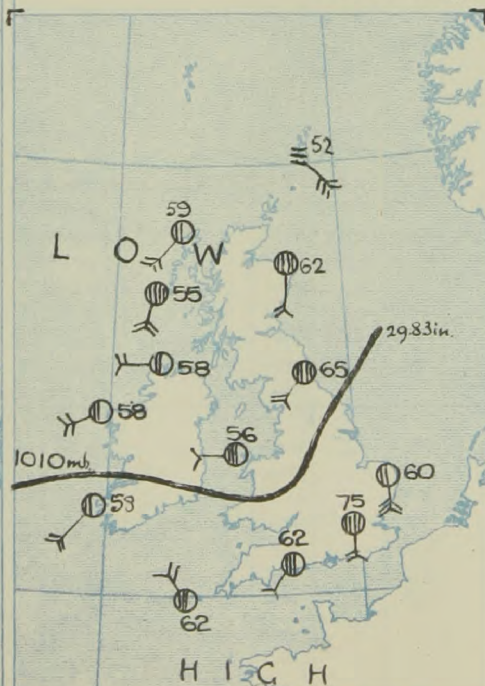
Shallow depressions lie over Scotland and southern Scandinavia and an irregular area of low pressure lies over Western France and the Bay of Biscay. Anticyclones are situated over the Azores and to the North of Norway and pressure is generally high over Central Europe.

Rain is falling locally in Scotland, North Ireland and in North-east England. Elsewhere fair or fine weather prevails. Winds are light to moderate from S or S.W. over Great Britain while moderate W to NW breezes are blowing on the Irish Coasts.

The Outlook.

In the northern districts weather will probably continue unsettled with local showers or rain. The presence of the shallow low over the Bay of Biscay is likely to produce less settled conditions in the south, accompanied by local thunder and light variable winds.

Monday, 8<sup>th</sup> JULY, 1918, at 13h. (1 p.m.) G.M.T.



The fall of the barometer has become accelerated in the southern districts. Generally unsettled conditions are indicated with possibility of local thunderstorms.



STATIONS.	EVENING OF 7 <sup>TH</sup>					MORNING OF 8 <sup>TH</sup>										24 HOURS ENDED 7 <sup>TH</sup> 8 <sup>TH</sup>					Sun- shine for 7 <sup>TH</sup> Hours.	
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Direc.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours.						Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	1013.8	50	S	5	f	1010.5	-2	50	+3	SSE	5	-	fe	4	1	52	46	o	f	fd.	
	Deerness (Orkney)	1011.8	54	SSE	3	o	1006.8	*	55	+2	SSE	3	S	c	3	6	59	51	or	or	or.o.c.	0.7
	Stornoway	1010.9	58	SW	3	o	1009.7	-2	51	-4	SW	3	-	c	2	7	60	49	of	o	of.c.	0.4
	Castlebay (Barraisd.)	1011.7	56	SSW	4	ofm	1007.6	-1	51	-4	SSW	3	-	bc	3	5	56	50	ofm	ofm	of.c.bc	0.0
	Glasgow	1015.9	59	SW	3	omg	1008.9	-3	55	0	SW	2	-	omd	11	60	54	omd	omd	omf.or	0.0	
	Eskdalemuir	1016.3	57	SW	5	ch	1009.8	-3	55	+3	S	4	-	om	7	62	51	om	o.orn.o	ofm	1.3	
	Malin Head	1014.3	57	SW	3	omd	1008.6	0	53	-2	WNW	3	W	bc	3	12	62	50	om	omd	bc	0.3
	Blacksod Point	1014.0	59	SSW	4	omg	1010.4	-2	52	-4	WSW	4	W	bc	4	3	61	48	ofe	omg	ch.bc	
	Valencia (Cahirciveen)	1019.7	61	SW	4	o	1013.8	-1	56	-4	WNW	4	-	c	4	1	64	55	g.o.c.o.	ofd.o.c	of.c.	0.2
	Roche's Point	1020.7	64	SW	4	o	1013.6	*	56	-4	NW	2	W	b	2	2	66	54	o.c.o.	o.c.o.	of.c.b	
	Birr Castle	1018.0	64	NW	1	o	1012.0	*	52	-6	W	1	-	c	*	4	66	52	o.c.	of	o.c.	2.8
	Donaghadee	1015.8	62	SW	3	omg	1009.7	0	53	-6	NW	3	-	omf	2	4	64	53	cgm	ogmf	ogmf	
	Liverpool (Bidston)	1015.5	63	W	1	o	1011.9	-3	59	+2	SSE	1	SW	o	1	-	67	57	c.cb.	bc.o.	c.o.	6.5
	Holyhead	1019.3	59	SW	4	c	1011.5	-3	57	0	SW	5	-	bc.gy	4	-	65	55	o.c.o.c.	c.o.bc.	og.eg.	5.1
	Pembroke (St. Ann's)	1021.5	58	SW	1	c	1014.1	-3	57	-1	SSW	2	W	c	1	0.1	62	55	bc	bc.	c.c.c.	8.4
Hartland Quay	1021.2	63	W	1	o	1014.8	-3	60	+1	SSW	2	-	o	3	-	65	55	b.bc.	bc.o.	o	*	
SCILLY ISLANDS.	Scilly (St. Mary's)	1022.9	64	-	0	bc	1016.3	-2	58	-2	WNW	1	W	c	2	-	70	55	bc	bc	c	11.8
	Falmouth	1020.6	68	NW	4	byz	1015.3	-3	61	0	NW	2	-	oz	*	-	74	55	b.byz	byz	b.c.o.	12.8
	Jersey (St. Aubin)	1020.4	69	N	2	b	1014.7	*	61	-1	E	2	-	o	2	-	72	58	b	b	b.o.	15.0
	Portland Bill	1020.6	62	W	1	b	1015.0	-3	59	-3	-	0	-	c	2	-	64	55	b	b	c.bc.	*
	Dungeness	1019.6	63	SW	2	b	1015.7	-2	60	+2	-	0	-	c	1	-	66	56	c.bc.	bc.	b.c.bc.	*
	Wick	1012.0	56	S	1	omf	1006.6	-2	56	+4	SSW	2	-	r	2	3	59	52	omf	omf	omf	*
	Nairn	1012.2	63	W	2	c	1007.0	*	56	-3	-	0	-	cg	0	0.3	71	54	c.b.	bc.cgg.	cgof	1.7
	Aberdeen	1013.1	64	SSE	2	c	1008.1	-2	61	+1	SSE	2	-	bc	2	7	70	55	o.c.bc.	of.bc.	c.bc.	4.6
	Leith	1015.3	65	SW	2	o	1008.0	-2	63	+6	SW	2	SW	c	2	-	66	56	o.c.c.o.	o.cgg.	o.c.c.	*
	Tynemouth	1016.5	67	NW	3	bcm	1010.9	-3	60	+1	-	0	SW	em	2	0.2	72	57	omf.	bcm	omf	*
	Spurn Head	1018.9	59	ESE	2	bc	1014.1	-2	59	+2	SSW	1	-	om	2	-	64	56	bc	bc.	bcm	5.1
	Yarmouth (Gorleston)	1018.8	62	S	2	b	1014.8	-3	61	+5	SW	2	-	cw	2	-	66	55	bc.	bc.b.	b.bcm	9.3
	Clacton-on-Sea	1019.0	64	SSE	3	bcz	1015.6	-1	64	+6	SSW	3	SW	bc	2	-	70	57	bcz.og.	cg.bcz.	bcz	8.4
	Nottingham	1018.1	72	WNW	2	c	1013.6	*	60	-1	SW	1	SW	bc	*	-	76	56	b.bc.	c	c	7.6
	Benson (Oxon.)	1018.3	75	N	1	bc	1013.3	-3	65	+6	SW	1	-	bc	*	-	78	52	bc	bc	bc	*
St. Farnborough	1018.9	74	NW	1	cvy	1014.9	-2	63	+2	S	3	W	bc	*	-	78	52	o.bcz	cg.cvy	c.bcz	8.6	
Salisbury Plain	1019.2	73	N	1	bc	1015.2	-3	58	0	-	0	-	bc	*	-	76	49	bc	bc	bc	*	
London (Kew Obs.)	1018.6	76	N	1	bcv.	1014.8	-1	64	+4	S	1	SW	bcm	*	-	76	54	o.c.bc	bc.bcv.	bcv.bc.	5.2	
NORTHERN EUROPE.	Spitsbergen	1020.8	50	S	6	b	1022.7	0	48	-4	SE	4	*	o	*	61	41	o	o	o.c.	*	
	Vardö	1023.9	46	E	4	c	1025.5	0	50	0	E	4	-	bc	2	*	50	43	o	o	o.c.	*
	Bodö	1024.7	54	-	0	o	1016.4	0	63	+9	E	1	-	b	1	?	?	?	?	?	?	*
	Christiansund	1016.6	52	-	0	c	1013.9	-1	54	+6	NE	2	-	c	2	-	84	46	o	o	o.c.	*
	Skudesnaes	1014.0	50	NNW	6	b	1011.4	-1	54	+4	NW	3	-	b	1	-	84	43	o	o	o.c.	*
	Færder (Xanna Fjord)	1008.6	63	N	2	b	1007.5	-1	61	+6	N	4	-	b	1	-	63	55	o	o	o.c.	*
	The Scaw (Skagen)	1008.8	57	WNW	8	b	1007.5	0	57	+2	NNW	2	-	bc	2	-	63	50	o	o	o.c.	*
	Blaavands Huk	1015.8	54	WNW	4	bc	1013.4	6	55	+3	NW	3	W	b	*	-	57	50	o	o	o.c.	*
	Copenhagen	1011.0	59	WNW	4	b	1008.7	-1	55	+3	WNW	4	-	bc	*	-	61	50	o	o	o.c.	*
	Bornholm	1009.5	55	W	7	e	1008.4	0	52	0	WNW	5	-	o	2	Trace	55	48	o	o	o.c.	*
FRANCE, &c.	The Helder	1018.6	61	WNW	3	b	1015.8	-1	57	0	S	1	W	b	1	-	64	50	o	o	o.c.	*
	C. Gris Nez	1019.9	64	SW	1	b	1016.4	-2	64	+5	-	0	*	b	0	-	68	55	o	o	o.c.	*
	La Hève	1020.2	68	N	2	m	1016.6	*	61	+2	E	2	*	o	?	-	73	55	o	o	o.c.	*
	Brest (St. Mathieu)	?	64	N	3	b	1015.6	-2	55	-2	N	1	*	m	?	-	66	52	o	o	o.c.	*
	Rochefort (Ile d'Aix)	?	70	NW	3	b	1013.8	-2	66	+3	SE	2	*	b	*	-	82	61	o	o	o.c.	*
	Biarritz	1015.9	73	NNE	3	b	1013.1	0	70	+6	ENE	2	*	c	1	-	79	64	o	o	o.c.	*
	Paris	1019.1	75	E	1	b	1016.0	-1	68	+5	SSE	1	-	b	*	-	79	54	o	o	o.c.	*
	Belfort	1018.3	72	W	2	b	1018.3	*	63	+6	E	2	*	m	*	-	79	52	o	o	o.c.	*
	Lyons	1017.2	77	NNE	1	b	1017.2	*	66	+2	W	1	*	b	*	-	82	55	o	o	o.c.	*
	Nice	1017.2	70	SW	3	b	1019.1	+2	70	+2	W	2	*	b	1	-	81	59	o	o	o.c.	*
IBERIA, &c.	Perpignan	1016.4	86	-	0	b	1015.9	0	72	-5	-	0	*	b	*	-	95	59	o	o	o.c.	*
	Sanguinaire	1015.0	73	NW	3	m	1016.4	*	75	*	-	2	*	m	2	-	84	64	o	o	o.c.	*
	Corunna	1015.8	68	N	3	bc	1018.4	+2	61	-7	-	1	-	f	1	-	95	59	o	o	o.c.	*
	Madrid	1014.3	86	-	0	b	1018.6	+2	64	-6	-	0	-	m	*	-	88	63	o	o	o.c.	*
	Lisbon	1013.5	81	WNW	5	b	1015.2	+1	70	-2	NW	1										

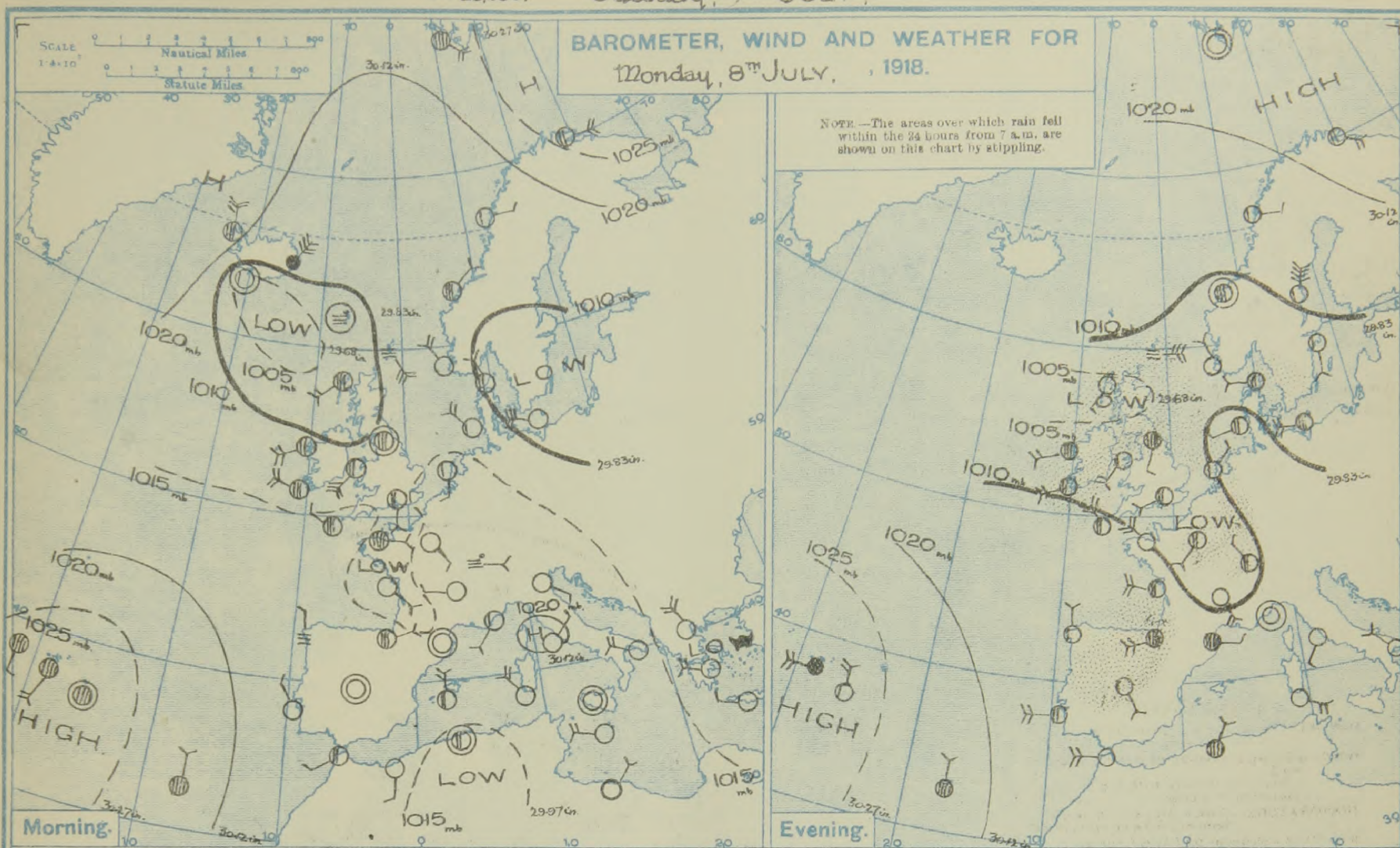
## THE BEAUF



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,683.

Tuesday, 9<sup>th</sup> JULY, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 8<sup>th</sup> JULY.

STATIONS.		EVENING OF 7 <sup>TH</sup>					MORNING OF 8 <sup>TH</sup>										MORNING OF 8 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.
		° F.							° F.	° F.				° F.	° F.			° F.	° F.				
RUSSIA.	Archangel ...													*	*		Isafjord ...	1023.0	39	-4	N	5	c
	Petrograd ...													*	*		Reykjavik ...	1013.8	45	-3	N	9	c
	Moscow ...													*	*		Vestmanna ...	1001.8	48	+2	-	0	b
SWEDEN.	Hernösand ...	1006.7	61	NNE	2	r		*					*	*	*		Seydisfjord ...	1015.1	37	-6	NE	6	r
	Stockholm ...	1003.1	61	SE	2	o		*					*	*	*		Thorshavn ...	1006.0	52	-4	-	0	m
	Wisby ...	1004.0	59	SW	2	b		*					*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
ITALY.	Venice ...						1018.3	*	72	+4	ESE	1	b	-	75	60	9 <sup>TH</sup> AND 10 <sup>TH</sup> JULY, 1918.		Sunrise.	Noon.	Sunset.		
	Turin ...						1018.2	*	66	-6	-	0	bc	-	90	61							
	Pesaro ...							*															
	Leghorn ...						1018.2	*	72	-1	-	0	b	-	72	50							
	Rome ...	1018.1	72	S	1	b	1020.1	*	73	+5	NE	1	b	-	82	66		G.M.T.	G.M.T.	G.M.T.			
	Viesti ...	1017.0	72	NW	1	f	1019.9	*	72	-1	NW	2	b	-	77	63	Yarmouth ...	3.42	11.58	8.14			
	Brindisi ...	1017.3	72	NW	3	b	1017.9	*	72	+2	WNW	3	b	-	72	68	Greenwich ...	3.43	11.58	8.14			
	Cagliari ...	1014.9	81	SE	2	b	1017.5	*	73	+1	NW	3	b	-	84	61		3.55	12.5	8.15			
	Palermo ...	1017.4	72	-	0	bc	1019.1	*	70	-7	-	0	b	-	81	61	Wick ...	3.56	12.5	8.14			
	Tripoli ...						1018.9	*	72		ENE	2	b	-	81	70	Valencia ...	3.21	12.17	9.12			

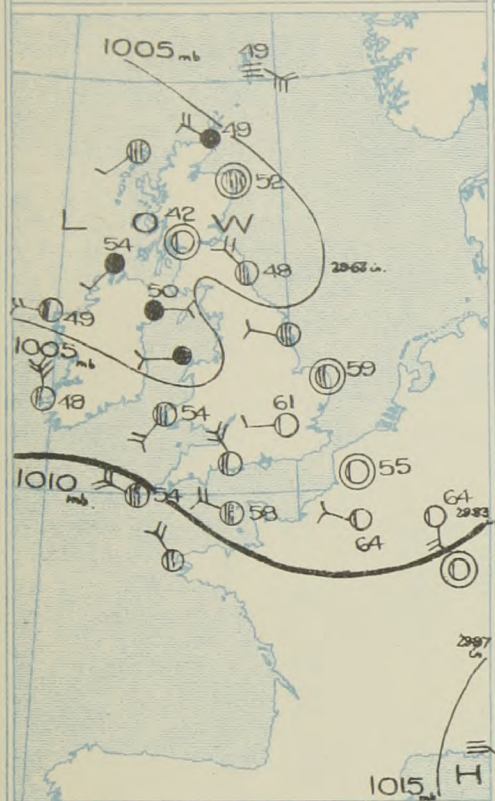
LONDON				24 HOURS ENDED 9 h. 9 <sup>th</sup>										SOUTH KENSINGTON (M.O.)		
9 <sup>th</sup> JULY, 9h. G.M.T.				Humidity.		Sun-shine for 8 <sup>th</sup>	TEMPERATURE.			Rain-fall.	WEATHER.			Vertical Component of Solar Radiation per square Centimetre during 8 <sup>th</sup>		
				15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.	Total.	Average Rate.	Max. Rate.
GREENWICH (Royal Observatory) ..				40	53	8.4	82	55	45	-	c.o.b.	b. bc.	b. bc.	Joules.	Milliwatts.	Milliwatts.
CITY (Bunhill Row) ..				*	*	8.7	*	*	*	*	*	*	*	1800	30.6	67.5
WESTMINSTER (St. James's Park) ..				49	58	8.8	76	55	55	-	*	*	*	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 rd. at Meteorological Office.		
" (Roof near Charing Cross) ..				47	59	8.6	77	56	*	-	b	c.o.c.	*			
CAMDEN SQ. (British Rainfall) ..				38	53	7.5	81	55	51	-	bc	bc	*			
KENSINGTON PALACE ..				?	59	8.8	76	53	?	0.1	?	?	*			

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.



9<sup>th</sup> JULY, at 1h. G.M.T.

THE MORNING OF TUESDAY, 9<sup>th</sup> JULY 1918, at 7h. G.M.T.



# EXPLANATION.

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

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

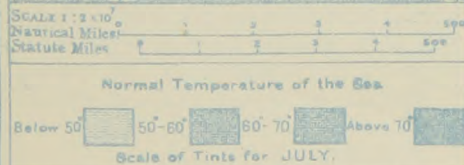
**TEMPERATURE.**—Given in degrees Fahrenheit.  
Isotherms shown by dotted lines.

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

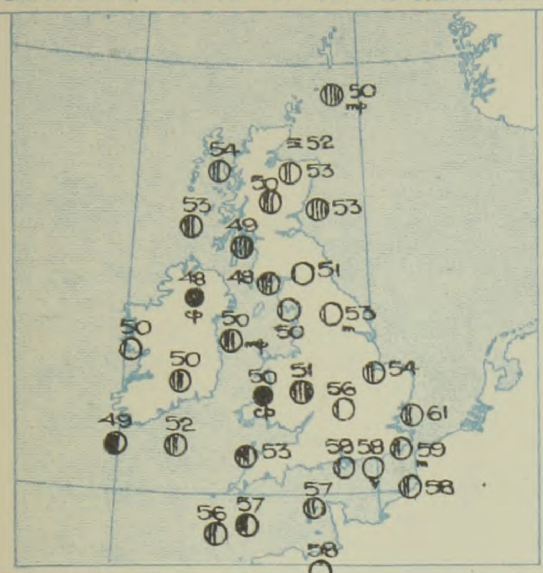
○ clear sky. ○ sky & clouded. ○ sky & clouded.  
○ sky & clouded. ○ overcast sky. ● rain falling.

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

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







## GALES.

Silly.

Gust 19 mph at 1 hr  
(9th)Notes on the Weather of the 24 hours ended 7h Today.

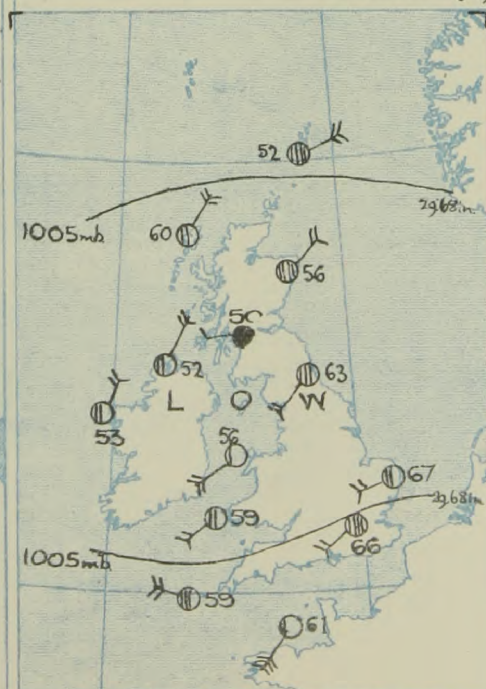
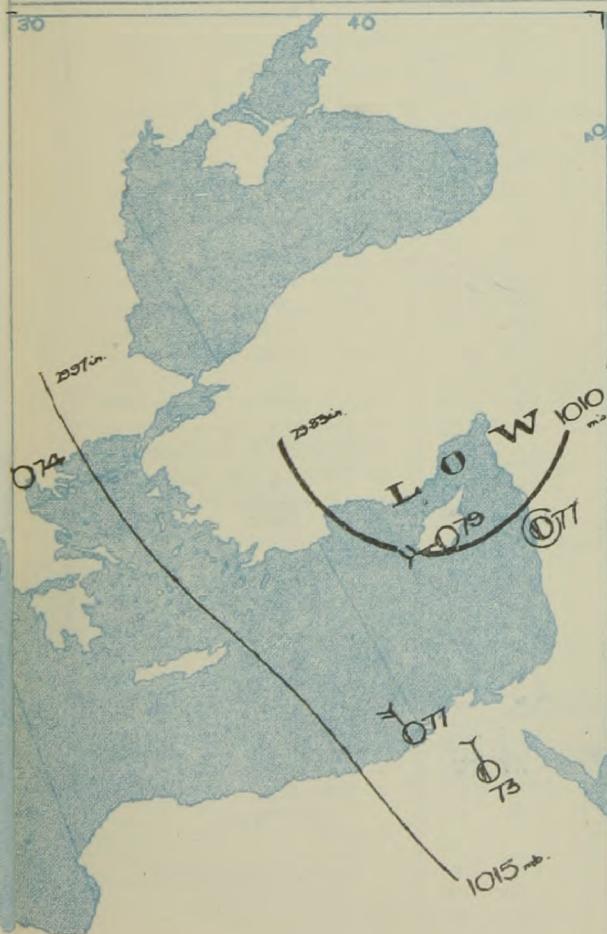
Rainfall was slight and mainly confined to the Northern and Western districts. The greatest amount of bright sunshine occurred on the North West Coast, 12 hours being recorded at Malin Head. In other districts from 5 to 8 hours were measured. Temperature again exceeded 7h at most of the Southern inland stations. Thunderstorms occurred locally in Ireland, Wales and East Anglia, while thick fog prevailed during the day at Lerwick, and during the night at Deerness.

The Conditions at 7h Today.

A shallow low extends eastward over the British Isles pressure being lowest to the North West of Ireland. Pressure remains high over Central Europe, while the Anticyclones over the Azores and to the North of Norway show little change since yesterday. The barometer continues to fall in Ireland but there is some tendency for pressure to increase in North Scotland and Northern France. Moderate SW to W winds are blowing over the Southern half of the British Isles, while the main wind current is from E or NE in the Northern districts. Except for local passing showers, weather is mainly fair.

The Outlook.

The fall of the barometer in the Western districts will probably produce a return to Southwesterly gradients over the Southern half of the British Isles, with increased tendency for rain.

Tuesday, 9<sup>th</sup> , JULY, 1918, at 13h. (1p.m.) G.M.T.

The barometer has become practically steady in all districts. In the south of England and the Channel the wind has freshened from South-West, but indications now point to a return to quiet conditions.



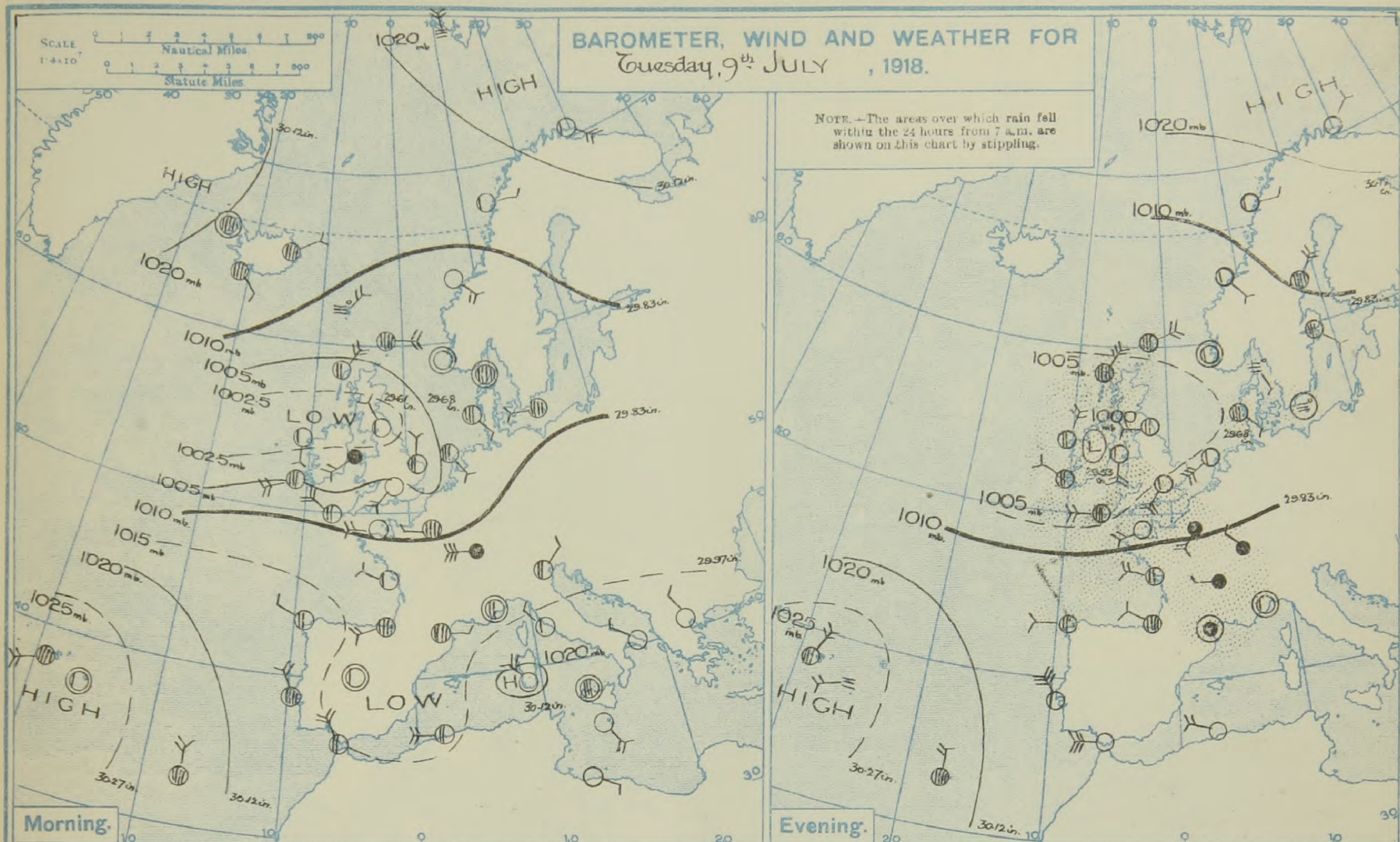
STATIONS	EVENING OF 8 <sup>TH</sup>					MORNING OF 9 <sup>TH</sup>										24 HOURS ENDED 7 h 9 <sup>TH</sup>					Sun- shine for 8 <sup>TH</sup> Hours.	
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer.		Temp.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	°F.	°F.	Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1009.2	50	E	5	fe	1007.5	+1	50	0	E	4	-	omph	3	1	52	47	fe	fe	omph	
	Deerness (Orkney)	1005.4	51	N	3	or	1003.7	*	52	-3	SE	1	-	f	1	6	57	50	cr.og.	gor.	rfe.	0.7
	Stornoway	1004.9	57	SW	1	b	1003.6	0	54	+3	NE	4	-	bc	3	-	60	44	c.bc.	bc.	c.bc.	11.0
	Castlebay (Barra Isd.)	1004.5	54	WSW	3	c	1002.5	-1	53	+2	E	3	-	c	2	Trace	56	47	bc.o.	o.c.of.c.	o.b.	9.0
	Glasgow	1005.7	58	SW	3	c	1002.9	-1	48	-7	E	1	S	cmb	*	1	61	41	omph	ome	b.bcar	4.3
	Eskdalemuir	1005.9	53	SSW	4	of	1002.7	-2	50	-5	N	1	-	baw	*	2	63	40	orm.	o.or.u.	omecb.	1.8
	Malin Head	1007.7	52	WSW	3	ch	1002.0	-2	48	-5	WNW	3	W	ch	3	8	58	46			cg	12.0
	Blacksod Point	1007.7	52	WSW	3	ch	1001.2	-3	50	-2	S	2	-	bch	3	2	58	46	bc	ch	bch	
	Valencia (Cahirciveen)	1009.9	55	WSW	4	bc	1005.0	-3	49	-7	WSW	4	W	ch	4	9	59	49	c.b.bc.	bc. of.	b.bch.	7.7
	Roche's Point	1009.0	59	W	4	bc	1005.3	*	52	-4	WSW	2	W	c	2	0.1	65	47	b.bc.	bc.	bc.ch.	*
	Birr Castle	1007.1	55	W	1	o	1003.0	*	50	-2	W	1	-	c	3	63	44	o.ch	ch of.	o.ch	6.9	
	Donaghadee	1006.0	55	ESE	2	cmb	1001.6	-1	50	-3	W	2	W	cmb	1	7	62	48	omph	cmb	omph	*
	Liverpool (Bidston)	1007.3	60	W	3	b	1002.9	-1	51	-8	SW	1	W	o	1	2	63	48	o.ch	h.o.b.	c.of.	5.2
	Holyhead	1007.8	58	SW	3	b2	1002.8	-1	50	-7	SW	3	W	ch	2	9	62	48	of.cm	b2	bc.ch	6.4
	Pembroke (St. Ann's)	1010.4	58	WSW	2	bc	1004.4	-2	53	-4	SW	3	-	ch	3	2	60	50	ch.bc.	bc.	bc.ch.	7.6
	Hartland Quay	1010.1	60	W	3	bc	1006.3	0	56	-4	SW	5	W	cg	4	3	64	53	o.c.o.	o.of.bc.	c.of.bc.	*
	Scilly (St. Mary's)	1012.4	60	NW	4	bc	1009.0	-1	56	-2	WNW	4	NW	bc	5	1	66	49	cg	b.bc.	cg.bch	6.3
	Falmouth	1010.6	63	NW	4	b2	1007.7	0	57	-4	WSW	4	-	bc	*	Trace	71	49	o.c.o.	c.of.c.	b.bch	7.0
	Jersey (St. Aubin)	1011.0	63	WNW	4	b	1009.4	*	58	-3	W	3	-	b	2	-	68	55	o.c.o.	og.b.	bc.o.b.	5.7
	Portland Bill	1008.7	60	WSW	4	bc	1007.0	0	57	-2	WSW	4	W	bc	3	-	65	55	c	c.bc.	b.bc.	*
	Dungeness	1007.9	64	SSW	1	b	1006.4	+1	58	-2	WSW	4	W	bc	3	-	68	56	b2.	2c.	c.bc.	*
Wick	1005.6	52	NE	2	omph	1003.8	0	53	-3	WNW	2	-	bc	1	4	59	48	omph	omph.	omph.bc.	*	
Nairn	1004.6	54	-	0	cg	1003.3	*	50	-6	-	0	-	cur	0	3	61	48	edg	cg.	chg.	0.1	
Aberdeen	1004.8	59	S	2	o	1003.4	0	53	-8	NNW	2	-	o	2	7	66	49	bc.o.c.o.	o.c.o.	o.c.o.	4.3	
Leith	1004.5	60	WNW	2	bc	1002.8	-1	51	-12	NNW	1	-	b2	1	1	64	47	c.of.g.	c.of.g.	bc.cb	*	
Tynemouth	1005.8	58	SSW	1	om	1002.1	0	53	-7	NW	2	-	bm	2	3	67	46	cm	omph	bm	*	
Spurn Head	1006.3	58	SE	3	ofilt	1004.1	0	54	-5	WNW	3	-	bc	2	4	66	52	om	ofilt.	c	0.8	
Yarmouth (Gorleston)	1008.2	62	S	4	c	1004.0	0	61	0	N	2	-	bc	2	-	67	54	cmb	cm.	belt	5.7	
Clacton-on-Sea	1007.7	65	SE	3	b2	1004.8	+1	59	-5	WNW	3	SW	b2	3	-	67	53	bc.c.	c.b2.	bc.c2	7.1	
Nottingham	1006.9	64	WNW	3	b	1004.1	*	56	-4	WSW	2	SW	b	*	Trace	75	50	c.of	c.bc.	bc	5.4	
Benson (Oxon.)	1006.9	72	WSW	2	c	1005.1	+1	58	-7	W	2	-	b	*	-	76	45	c.	bc.	bc.b	*	
St. Farnborough	1006.0	73	SW	4	by	1006.2	+1	58	-5	SW	5	-	bv	*	-	75	49	bc.og.	o.by	y.c.	7.1	
Salisbury Plain	1007.4	71	W	3	c	1006.2	-1	55	-3	SW	3	S	bc	*	-	74	43	"	c	bc	*	
London (Kew Obsy.)	1007.3	76	WSW	2	b	1006.2	+2	58	-6	WSW	3	-	b	*	-	77	55	b2.b2	o.c.b.	b.b.b	7.6	
NORTH EUROPE.	Spitsbergen	1022.4	45	-	0	bc	1022.8	+1	41	-7	N	4	*	f	*	*	48	39				
	Vardö	1023.5	46	SE	3	bc	1023.1	0	50	0	SE	4	N	b	3	*	60	45				
	Bodö	1014.3	68	E	1	b	1014.2	0	64	+1	E	1	-	b	1	-	70	61				
	Christiansund	1009.1	59	-	0	c	1007.8	-1	66	+12	SSE	3	-	b	2	-	66	46				
	Skudesnaes	1007.8	54	NNW	2	b	1006.8	-2	59	+5	-	0	-	b	0	-	59	43				
	Færder (X'ianta Fjord)	1007.0	61	NNW	1	o	1006.3	+1	59	-2	N	1	-	o	2	1	61	57				
	The Scaw (Skagen)	1007.0	55	W	2	c	1006.7	0	55	-2	-	0	-	o	0	-	66	54				
	Blaavands Huk	1010.6	59	WSW	1	bc	1009.9	-5	63	+8	SSE	1	W	c	*	-	63	50				
	Copenhagen	1007.9	63	NW	3	c	1008.2	0	61	+6	W	1	-	m	*	-	66	54				
	Bornholm	1007.8	55	W	4	c	1009.6	+1	55	+3	W	2	-	o	0	4	57	50				
	The Helder	1010.0	60	NE	1	b	1003.8	-3	64	+7	SE	2	SW	c	0	4	70	57				
	C. Gris Nez	1009.4	72	SSE	1	c	1006.6	+1	59	-5	W	5	*	c	4	-	75	55				
FRANCE, &c.	La Hève	1007.6	64	SSW	1	c	1010.3	*	57	-4	W	4	*	o	4	-	81	57				
	Brest (St. Mathieu)	1013.5	61	WNW	2	c	1011.5	0	57	+2	W	3	*	bc	2	-	66	48				
	Rochefort (Ile d'Als)	1010.8	66	WNW	4	bc	1011.9	0	63	-3	WNW	2	*	o	*	-	84	61				
	Biarritz	1012.2	68	WSW	4	o	1014.3	0	63	-7	WSW	3	*	o	2	3	?	?				
	Paris	1007.6	82	SSW	1	c	1009.9	+3	63	-5	W	1	-	o	*	Trace	88	59				
	Belfort	1009.8	79	NW	1	bc	1013.1	*	63	0	W	6	*	?	*	1	81	61				
	Lyons	1009.6	91	SSE	3	b		*					*	*	*							
	Nice	1016.4	70	-	0	bc	1014.4	0	70	0	-	0	*	bc	0	-	79	59				
	Perpignan	1013.8	68	E	1	o	1013.0	0	70	-2	E	1	-	o	*	-	79	63				
	Sanguinaire	1017.4	77	NW	2	m	1017.4	*	72	-3	E	1	*	m	?	-	82	66				
	Corunna	1018.0	64	N	2	b	1018.8	+2	64	+3	NW	1	-	bc	2	Trace	64	59				
	Madrid	1012.4	82	SSE	2	b	1027.1	+1	68	+4	-	0	SE	b	*	1	82	61				
IBERIA, &c.	Lisbon	1015.2	75	W	4	bc	1016.7	0	64	-6	NNW	3	-	o	5	-	77	63				
	Azores (Horta)	1028.4	*	WSW	4	r	1027.9	0	68	+4	WSW	4	*	o	2	4	73	64				
	(P. Delgada)	1027.9	*	N	3	b	1028.0	?	68	+4	-	0	*	b	1	-	73	63				
	Madeira	1022.0	70	N	2	o	1022.0	0	66	0	N	3	-	o	3	-	70	66				
	Gibraltar	1017.3	70	W	4	b	1015.9	*	67	-3	NW	4	*	bc	3	-	81	65				
	Palma																					
	Algiers	1011.9	73	NNE	2	o	1014.8	+3	75	+3	W	4	W	bc	2	Trace	79	70				
	Malta		*	*	*	*	1017.1	0	73	+1	SSE	3</										



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20684.

Wednesday, 10<sup>th</sup> JULY 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 9<sup>th</sup> JULY

STATIONS.		EVENING OF 8 <sup>TH</sup>					MORNING OF 9 <sup>TH</sup>										MORNING OF 9 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.
		° F.						° F.	° F.					° F.	° F.			° F.	° F.				
RUSSIA.	Archangel ...													*		Isafjord ...	1019.6	45	+6	-	0	0	
	Petrograd ...													*		Reykjavik	1018.2	43	+3	-	0	C	
	Moscow ...													*		Vestmanna	1017.9	48	0	SE	1	0	
SWEDEN.	Hernösand ...	1010.3	63	NNE	3	b	1011.0	*	59		NE	0	c	*	*	Seydisfjord	1018.0	45	+8	NE	2	0	
	Stockholm ...	1006.8	61	S	2	b	1007.5	*	57		ESE	2	r	*	*	Thorshavn	1009.4	51	-1	NE	3	m	
	Wisby ...	1005.6	57	SW	2	c	1005.6	*	54		E	2	r	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
ITALY.	Venice ...						1014.6	*	72	0	NE	1	bc	-	77	68	10 <sup>TH</sup> AND 11 <sup>TH</sup> JULY 1918.		Sunrise.	Noon.	Sunset.		
	Turin ...	1015.7	72	-	0	bc	1014.5	*	68	+2	-	0	0	3	81	66							
	Pesaro ...	1015.4	72	-	0	b	1015.4	*	81		-	0	b	-	82	66							
	Leghorn ...						1016.3	*	75	+3	-	0	bc	-	82	66							
	Rome ...	1017.8	73	SW	1	b	1017.3	*	72	-1	NW	1	b	-	82	63							
	Viesti ...	1017.5	75	E	1	b	1017.8	*	72	0	SSW	1	b	-	77	66							
	Brindisi ...	1017.9	7	NW	2	?	1018.1	*	70	-2	NW	1	b	-	70	63							
	Cagliari ...	1016.1	82	ESE	3	b	1023.5	*	73	0	NW	3	b	-	83	59							
	Palermo ...						1016.1	*	70	0	-	0	c	-	81	61							
	Tripoli ...						1016.0	*	77		ESE	1	b	-	86	68							
																Yarmouth ...	...	{ 3.43 3.44	11.58 11.58	8.14 8.13			
																Greenwich ...	...	{ 3.56 3.57	12.5 12.5	8.14 8.13			
																Wick ...	...	{ 3.22 3.23	12.17 12.17	9.11 9.10			
																Valencia ...	...	{ 4.34 4.35	12.46 12.46	8.58 8.58			

LONDON		Humidity.		Sun- shine for 9 <sup>th</sup>	24 HOURS ENDED 9 h. 10 <sup>th</sup>							SOUTH KENSINGTON (M.O.)		
		15 h.	9 h.		TEMPERATURE.			Rain- fall.	WEATHER.					
		9 <sup>th</sup>	10 <sup>th</sup>		Max.	Min.	Min-on Grass.		Morning.	Afternoon.	Night.			
10 <sup>th</sup> JULY 9h. G.M.T.		%	%	Hours.	° F.	° F.	° F.	mm.				Vertical Component of Solar Radiation per square Centimetre during 9 <sup>th</sup> .....		
GREENWICH (Royal Observatory) ..	49	86	11.1	73	49	34	9	bc.	bc.	boon.	Total.	Average Rate.	Max. Rate.	
CITY (Bunhill Row) ..	*	*	9.3	*	*	*	*	*	*	*	Joules.	Milliwatts.	Milliwatts.	
WESTMINSTER (St. James's Park) ..	49	88	9.8	68	51	46	6	*	*	*	1710	29.0	78.5	
„ (Roof near Charing Cross) ..	54	96	9.4	68	51	*	6	c	of bc. b.	*	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 rd. at Meteorological Office.			
CAMDEN SQ. (British Rainfall) ..	41	85	9.1	71	51	47	6	bc.	bc. b.	*				
KENSINGTON PALACE ..	48	88	9.8	70	?	43	8	bc.	bc.	*				
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.														

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.



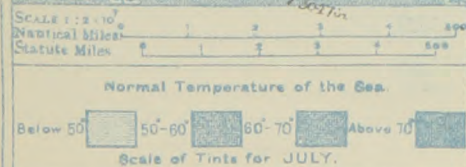
10<sup>th</sup>, JULY, at 1h. G.M.T.

THE MORNING OF Wednesday, 10<sup>th</sup>, JULY 1918, at 7h. G.M.T.

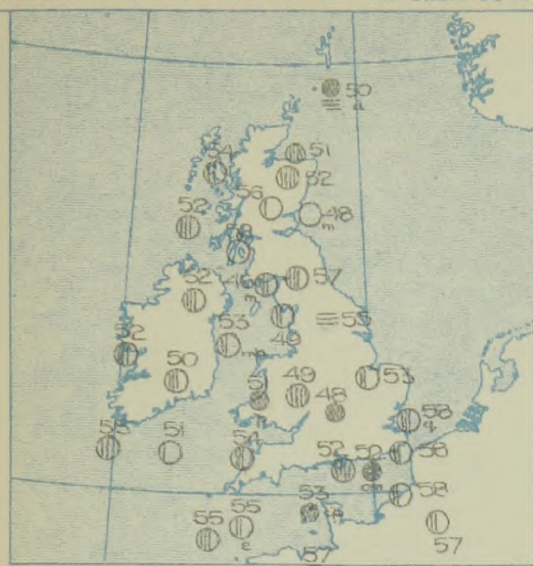


EXPLANATION.

**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 & cloudy. overcast sky. rain falling. mist. thunder. thunderstorm.  
**SEA DISTURBANCE.**—Rough High







GALES.

AURORA  
observed at  
LIVERPOOL.

Notes on the Weather of the 24 hours ended 7h Today.

Showers occurred in nearly all districts, accompanied by thunder in some instances. 23mm of rain fell during the night at Castlebay (Barra Island). Sunshine was very variable, varying from 10-12 hours to nil at stations not very widely separated. Temperature was distinctly lower than of late and nowhere reached 70°F. Persistent mist or fog continued in the Orkney and Shetland districts.

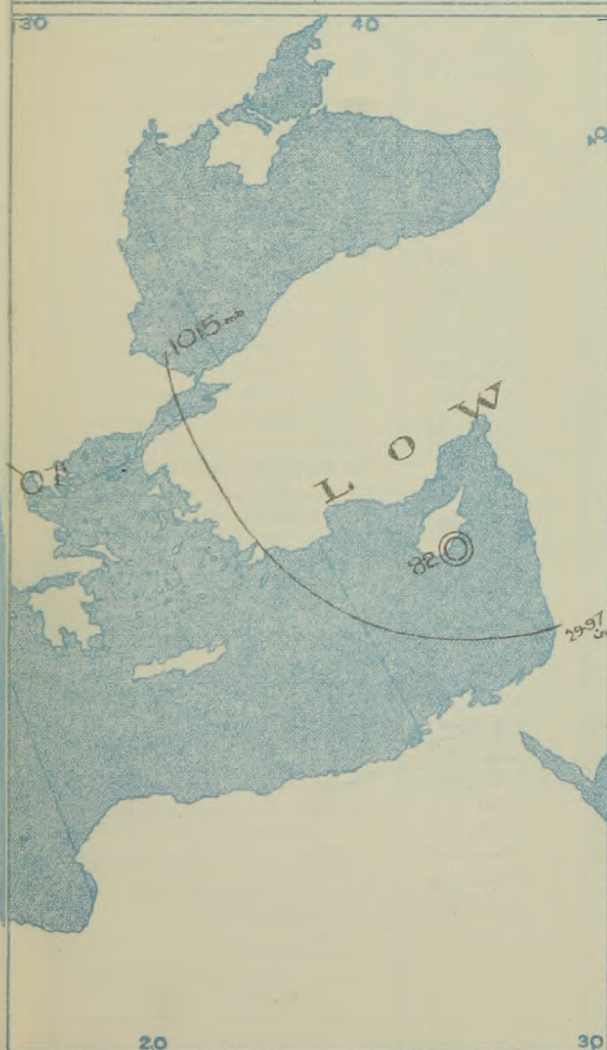
The Conditions at 7h Today.

A depression of slight intensity but considerable extent is centred to the North-west of Ireland. The anticyclone over the Azores maintains its position with little change. Fresh S to SW winds are blowing over the South and South-east of England, light South-easterly breezes over Scotland, and light to moderate W to NW winds over Southern and Western Ireland. A showery type of weather prevails, with a general tendency for thunder.

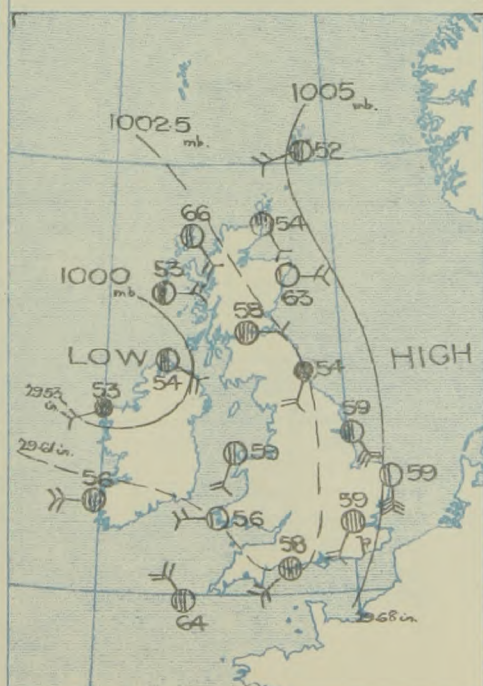
The Outlook.

The course of the depression is not clearly indicated and barometric changes are everywhere slight. For the present however a generally unsettled type of weather may be anticipated, with intermittent rain or showers and local thunderstorms.

E.S.B.



Wednesday, 10<sup>th</sup>, JULY, 1918, at 13h. (1p.m.) G.M.T.



The depression off the NW of Ireland has moved a short distance westwards and grown slightly deeper, and the winds have freshened somewhat.



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 191.

WEDNESDAY,

10th JULY.

STATIONS.	EVENING OF 9 <sup>TH</sup>					MORNING OF 10 <sup>TH</sup>										24 HOURS ENDED 7 h. 10 <sup>TH</sup>					Sun- shine for 9 <sup>TH</sup> Hours.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Direc. of Upper Cloud.	Weather.	Sea 9-9	Rain- fall Milli- metres.	TEMP.		WEATHER.				
			Force 0-12.	Dir.				Dry Bulb.	Change in 24 hours.						Max.	Min.	Morning	Afternoon	Night.		
BRITISH ISLANDS.	Lerwick ...	1007.4	51	ENE	4	c	1005.3	-1	50	0	-	fd.	1	8	52	48	om	c	omfr	*	
	Deerness (Orkney) ...	1002.0	52	E	4	fet.	1002.7	*	51	-1	WSW	2	-	3	54	48	fe	fet.	fet. fto.	0.0	
	Stornoway ...	1000.9	54	NE	5	o	1001.6	+2	54	0	SE	3	-	2	60	42	bc	bc o	of. bc	7.9	
	Castlebay (Barra Is.) ...	1000.3	56	N	4	o	999.9	+1	52	-1	SE	4	SE	4	23	60	48	c. bc.	bc. ag.	of. bc.	9.8
	Glasgow ...	1002.1	48	SE	1	omr	1002.7	0	46	-2	E	2	S	10	56	40	ot. of.	of. om.	om. of.	1.4	
	Eskdalemuir ...	1001.7	53	SW	4	bv	1002.4	0	49	-1	N	1	-	3	56	33	o. of. o.	c. bc. v.	bl. bc.	10.2	
	Malin Head ...	1000.4	53	NNE	2	cg	999.4	0	52	+4	S	1	S	2	58	48	bc	cg	c	0.9	
	Blackod Point ...	1000.7	55	NNE	4	bc	1000.7	-2	52	+2	W	4	-	4	56	46	bc	bc	bc. c.	7.1	
	Valencia (Cahirciveen) ...	1001.0	55	WNW	2	bc	1003.2	+1	55	+6	WNW	2	NW	3	58	47	ch. bc.	ch. bc.	ch. bc.	*	
	Roche's Point ...	1001.3	56	W	2	c	1002.1	*	51	-1	NNW	2	N	2	58	47	ch. of.	ch. o. c.	ch. b.	4.8	
	Birr Castle ...	999.5	54	E	1	c	1001.9	*	50	0	NNE	1	-	8	60	42	o. ch.	o. ch.	ch.	*	
	Donaghadee ...	1001.0	51	S	3	cmf	1001.1	0	53	+3	SE	2	SE	1	9	56	46	cmf	of. ch.	bc. of.	*
	Liverpool (Bidston) ...	1001.8	51	WNW	1	bc	1001.5	0	49	-2	SE	2	-	1	62	46	of. bc.	bc	bc. o.	9.5	
	Holyhead ...	1001.7	57	SSW	4	bvg	1000.6	0	51	+1	S	3	SW	1	4	59	49	of. bc. b.	b. bc. b.	bc. of.	11.3
	Pembroke (St. Ann's) ...	1003.2	54	SSW	4	†	1001.3	+1	54	+1	S	2	SW	2	7	59	49	cg. bc.	bc. cg.	c. of.	11.2
	Hartland Quay ...	1003.8	56	SW	6	cg	1001.6	0	51	-5	SSW	2	-	4	58	49	cg.	o. cg.	ch. of.	*	
	Scilly (St. Mary's) ...	1004.8	56	W	4	c	1001.9	0	55	-1	NW	4	W	4	64	49	bc. ch.	ch	ch.	7.4	
	Falmouth ...	1004.6	56	SW	4	ch	1001.7	0	55	-2	SW	1	-	9	64	46	bc. g.	bc. g.	of. bc. b.	11.1	
	Jersey (St. Aubin) ...	1008.5	60	WSW	3	b	1005.6	*	57	-1	SSW	4	S	3	62	54	b. bc. b.	c. of. b.	b. of. bc.	9.3	
	Portland Bill ...	1005.5	57	WSW	5	bc	1002.5	-1	53	-4	WSW	5	SW	4	5	59	53	bc.	bc.	ch	*
	Dungeness ...	1006.7	60	WSW	4	bc	1005.7	-1	58	0	WSW	5	SW	4	-	64	55	bc.	bc.	bc. bc.	*
NORTHERN EUROPE.	Wick ...	1001.2	52	E	3	fd.	1002.8	+1	52	-1	SE	1	-	2	55	45	bc. g.	of. bc.	omg.	*	
	Nairn ...	999.7	54	E	1	ou	1002.1	*	56	+6	-	0	-	0	57	39	cg	ch. f.	omg.	1.7	
	Aberdeen ...	1001.4	53	SSE	3	cm	1003.0	0	48	-5	NW	2	SE	2	59	41	om	om. m.	om. bc.	2.0	
	Leith ...	1000.5	57	NW	1	c	1002.4	0	49	-2	NE	1	SE	1	60	43	b. bc. c.	tl. bc. c.	c. bc. c.	*	
	Tynemouth ...	1001.0	63	W	3	bc	1002.1	0	55	+2	WNW	1	-	2	65	48	cmf	bc	omf	*	
	Spurn Head ...	1003.2	61	SE	3	bc	1004.5	0	53	-1	S	3	-	3	66	48	c	c. bc.	bc	5.6	
	Yarmouth (Gorleston) ...	1004.5	63	WSW	4	bc	1006.0	0	58	-3	SSW	5	-	4	69	48	bc	c. bc.	cg	7.5	
	Clacton-on-Sea ...	1005.3	64	SSW	4	bc	1006.2	0	58	-1	SSE	5	S	4	67	54	bc. g.	bc. g.	bc.	10.4	
	Nottingham ...	1002.4	64	SW	3	c	1003.8	*	48	-8	SE	1	S	5	69	42	bc.	bc. c.	bc. b.	10.2	
	Benson (Goson) ...	1004.6	63	SW	3	b	1002.9	+1	52	-6	SSW	3	-	3	67	46	c.	bc	bc.	*	
	St. Farnborough ...	1005.5	59	SW	6	bc. g.	1004.4	0	50	-8	SW	5	-	10	69	49	bc. of. bc.	bc. of. bc.	bc. of. bc.	12.5	
	Salisbury Plain ...	1005.2	55	SW	1	bc	1002.6	0	54	-1	S	3	S	11	62	46	cg.	c	of. c.	*	
London (Ken. Obs.) ...	1005.0	64	SSW	4	bc. g.	1004.5	-1	52	-6	SSE	2	-	3	69	49	b. bc. v.	bc. bc. v.	of. bc.	9.5		
FRANCE, & C.	Spitsbergen ...	1022.0	48	NE	2	b	1022.2	0	52	+2	E	4	-	3	50	45					
	Vardö ...	1012.7	68	E	1	b	1013.0	0	66	+2	E	2	-	2	68	57					
	Christiansund ...	1006.7	70	SSE	2	b	1007.2	0	66	0	ESE	3	-	2	73	61					
	Skudesnaes ...	1005.9	50	-	0	b	1005.4	+1	57	-2	-	0	-	1	66	57					
	Færder (Xantia Fjord) ...	1008.6	61	-	0	bc	1009.5	0	59	0	NE	1	SW	1	61	59					
	The Seav (Skogen) ...	1007.5	61	SSE	1	m	1007.5	+1	59	+4	ESE	2	-	2	63	54					
	Blaavands Huk ...	1005.1	68	SE	1	c	1008.7	+1	57	-6	WSW	1	W	1	75	52					
	Copenhagen ...	1008.3	64	SSE	1	c	1009.6	+1	59	-2	-	0	-	4	68	59					
	Bornholm ...	1009.4	63	-	0	m	1009.2	0	59	+4	SE	2	-	0	64	55					
	The Helder ...	1000.2	61	SW	5	b	1008.4	+1	55	-9	S	2	-	1	70	50					
	C. Gris Nez ...	1007.6	59	SW	4	c	1007.8	+1	55	-4	S	4	-	4	63	50					
	La Hève ...	1009.6	61	WSW	4	c	1008.2	*	66	-2	SW	5	-	4	68	54					
IBERIA, & C.	Brest (St. Mathieu) ...	1009.4	59	WSW	5	c	1005.1	-1	54	-3	W	4	-	4	68	48					
	Rochefort (de l'Air) ...	1012.3	64	WNW	3	bc	1011.2	0	63	0	W	5	-	2	70	59					
	Biarritz ...	1014.7	64	WNW	2	o	1014.0	0	63	0	SW	3	-	3	64	59					
	Paris ...	1009.4	64	SW	3	†	1011.2	+1	63	0	S	2	-	1	77	52					
	Belfort ...	1012.0	61	NW	1	†	1015.0	*	55	-8	WSW	5	-	9	79	55					
	Lyons ...	1012.0	63	-	0	†	1014.2	*	63	-	W	1	-	24	68	59					
	Nice ...	1013.9	66	-	0	b	1014.8	+2	64	-6	E	1	-	1	81	59					
	Perpignan ...	1013.2	66	-	0	†	1014.0	0	66	-4	W	1	-	26	81	57					
	Sanguinane ...	1014.3	75	NW	3	m	1014.3	*	72	0	E	2	-	-	84	66					
	Corunna ...	1018.2	64	W	2	bc	1017.8	+2	63	-1	SW	5	-	3	66	57					
	Madrid ...	1016.8	70	NW	6	b	1018.4	+1	63	-1	NNW	3	-	5	74	59					
	MEDITERRANEAN.	Lisbon ...	1016.8	70	NW	6	b	1018.4	+1	63	-1	NNW	3	-	5	74	59				
Azores (Horta) ...		1027.4	*	NNE	4	c	1026.6	0	64	-4	NE	1	-	1	77	64					
" (P. Delgada) ...		1027.2	*	WSW	3	5	1025.8	0	66	-2	-	0	-	-	75	63					
Madeira ...		1021.6	70	N	3	o	1022.4	0	64	-2	N	3	-	5	70	63					
Gibraltar ...		1014.9	70	W	6	b	1013.9	*	68	+1	SSW	5	-	3	83	64					
Palma ...		1014.9	70	W	6	b	1013.9	*	68	+1	SSW	5	-	3	83	64					
Algiers ...		1012.7	79	WNW	3	b	1012.6	0	77	+2	-	0	-	0	88	70					
Malta ...		1018.3	73	SE	1	b	1018.8	+1	71	-3	NNW	1	-	1	84	61					
Salonica ...		1018.4	73	SE	1	b	1019.2	+1	77	+5	NNE	4	-	2	84	64					
Athens ...		1018.2	75	NNE	1	b	1018.8	0	75	+2	NW	1	-	0	79	68					
Candia ...		1017.8	72	-	0	b	1018.4	+1	82	+3	-	0	-	0	82	61					
Limassol ...		*	*	*	*	*	1013.4	+1	82	+3	-	0	-	0	82	61					
Alexandria ...	*	*	*	*	*	1013.4	+1	82	+3	-	0	-	0	82	61						
Cairo (Helwan) ...	*	*	*	*	*	1013.4	+1	82	+3	-	0	-	0	82	61						

\* Information for these columns not usually received.

† Received too late for insertion in Charts

‡ The barometric change is expressed in half millibars

## THE BEAUFORT SCALE OF WIND FORCE.

Limits of Velocity.

No. Statute miles per hour. Metres per second.

0 Less than 1 Less than 0.3

1 1-3 0.3-1.5

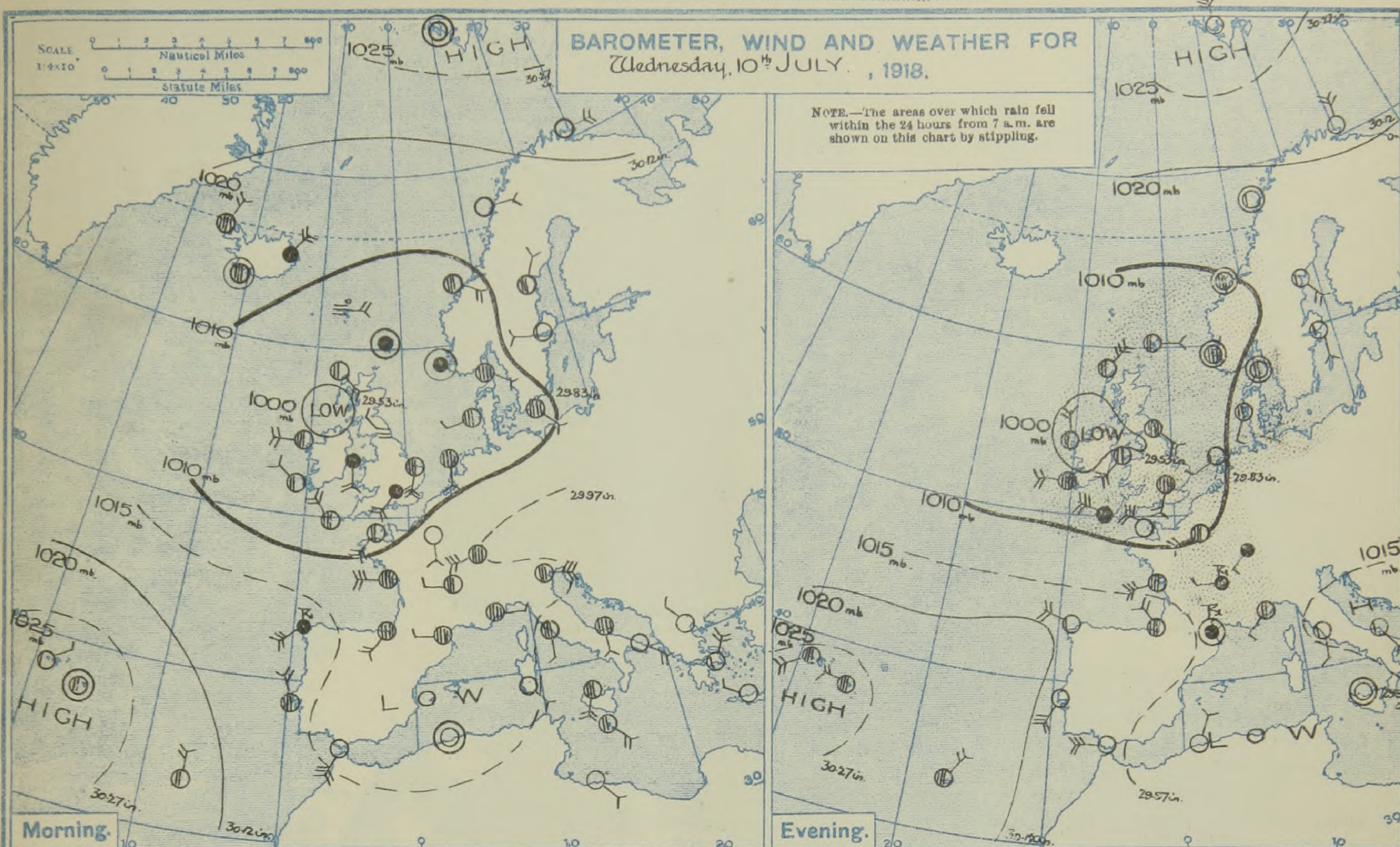
2 4-7 1.6-3.3

3 8-12 3.4-5.4



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20685. Thursday, 11<sup>th</sup> JULY. 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 10<sup>th</sup> JULY

STATIONS.		EVENING OF 9 <sup>TH</sup>					MORNING OF 10 <sup>TH</sup>										MORNING OF 10 <sup>TH</sup>									
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.				
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dirac.		Force 0-12.			
		° F.							° F.	° F.				° F.	° F.			° F.	° F.							
RUSSIA.	Archangel ...														*		Isafjord ...	1017.4	45	0	NNE	3	a			
	Petrograd ...														*		Reykjavik	1012.7	50	+2	-	0	b			
	Moscow ...														*		Vestmanna	1012.6	48	0	-	0	c			
SWEDEN.	Hernösand ...	1010.6	57	NNE	4	0	1014.4	*	55	-4	NNE	2	c	*	*	*	Seydisfjord	1014.0	41	-4	NE	4	r			
	Stockholm ...	1009.0	61	SE	2	c	1011.4	*	63	+6	W	2	b	*	*	*	Thorshavn	1007.4	51	0	E	3	m			
	Wisby ...	1004.3	59	WSW	2	b	1011.2	*	63	+9	NE	2	b	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM									
ITALY.	Venice ...						1014.6	*	73	+1	E	5	c	-	79	68	11 <sup>TH</sup> AND 12 <sup>TH</sup> JULY 1918.					Sunrise.	Noon.	Sunset.		
	Turin ...	1013.5	70	-	0	r	1013.7	*	64	-4	-	0	r	15	73	63						G.M.T.	G.M.T.	G.M.T.		
	Pesaro ...	1014.5	73	-	0	b	1015.8	*	77	-4	-	0	c	-	86	64						3.44	11.58	8.13		
	Leghorn ...						1015.0	*	75	0	-	0	o	-	81	70						3.45	11.58	8.12		
	Rome ...	1016.2	73	-	0	o	1016.7	*	79	+7	S	1	c	-	84	68						3.57	12.5	8.13		
	Viesti ...						1016.3	*	72	0	S	2	o	-	77	66						3.58	12.5	8.12		
	Brindisi ...	1017.9	70	S	1	b	1018.2	*	70	0	SE	3	b	-	81	64						3.23	12.17	9.10		
	Cagliari ...	1018.1	82	SSE	2	c	1014.7	*	77	+4	SE	2	b	-	86	61						3.25	12.17	9.9		
	Palermo ...	1015.7	75	-	0	o	1016.9	*	75	+5	SSW	4	c	-	84	66						4.35	12.46	8.58		
	Tripoli ...						1015.9	*	81	+4	SE	2	b	-	82	73						4.36	12.46	8.57		

LONDON 11 <sup>th</sup> JULY 9h. G.M.T.	HUMIDITY.		Sun- shine for 10 <sup>th</sup> Hours.	TEMPERATURE.			Rain- fall. mm.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
	%	%		°F.	°F.	°F.				
GREENWICH (Royal Observatory) ..	78	96	2.6	66	48	39	14	o. or. o.	o. or.	o. bc. c. o.
CITY (Bunhill Row) ..	*	*	1.8	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ..	71	93	2.3	61	50	46	14	*	*	*
" (Roof near Charing Cross) ..	66	99	2.4	62	51	*	17	sm.	rc. l. c.	*
CAMDEN SQ. (British Rainfall) ..	55	90	2.9	65	49	47	14	b	or. c.	*
KENSINGTON PALACE ..	74	93	2.5	62	50	42	14	of.	of. o.	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

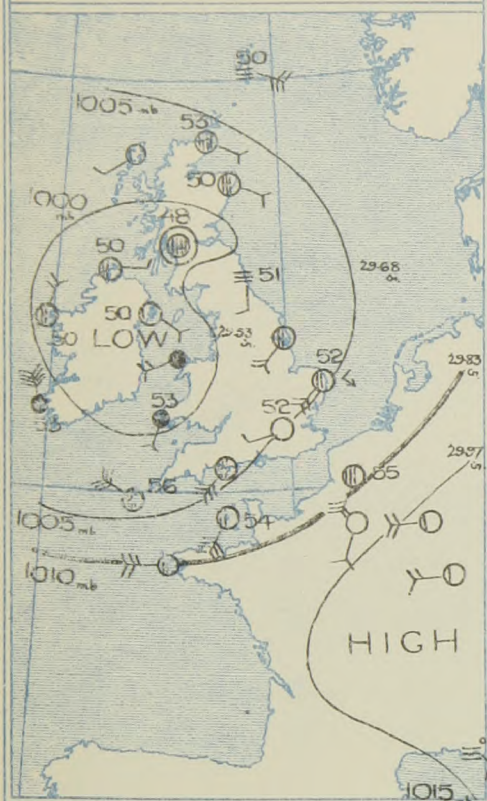
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 10 <sup>th</sup> ..		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1130	19.2	80

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 Meteorological Office.



11<sup>th</sup>, JULY, at 1h. G.M.T.

THE MORNING OF Thursday, 11<sup>th</sup>, JULY 1918, at 7h. G.M.T.



# 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.

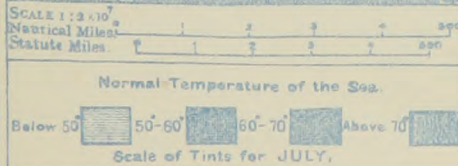
**WEATHER**—Shown by the following symbols:—

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

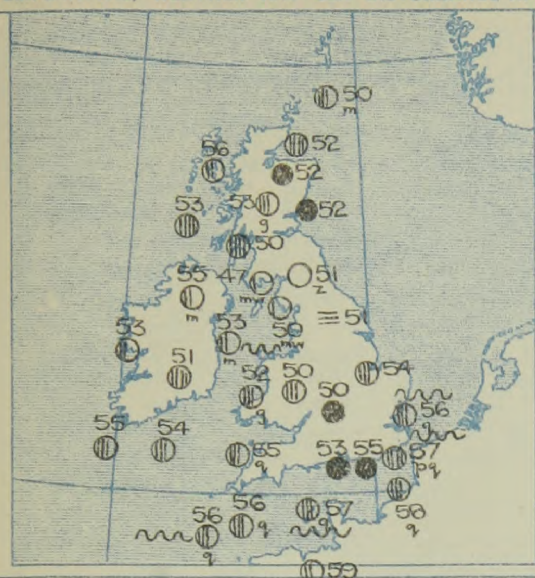
○ sky & clouded. ○ overcast sky. ○ rain falling.

✕ snow. △ hail. ≡ fog. ≡ mist. T. thunder.

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







## GALES.

## LINE SQUALL

reported at  
ESKDALE at 10.50hr.  
(10<sup>th</sup>)

## SOUTHPORT

reports rapid shift  
of wind from SW. 12 hr.  
to NW 13.40hr. back to  
SSW then W. Sharp  
thunderstorm with hail.  
Rainfall 7.1 mm.

## Notes on the Weather of the 24 hours ended 7h Today

Rain in moderate amount fell very generally, the greatest quantities occurring in England SE, where the precipitation took place mainly during the early hours of this morning. There were local thunderstorms in nearly all districts and in many localities fair intervals were characterised by exceptional visibility. Sunshine was most abundant in the Western and Northern districts (Stornoway 13.3 hours). Air temperature was low for the season, maxima lying generally between 55° and 65°.

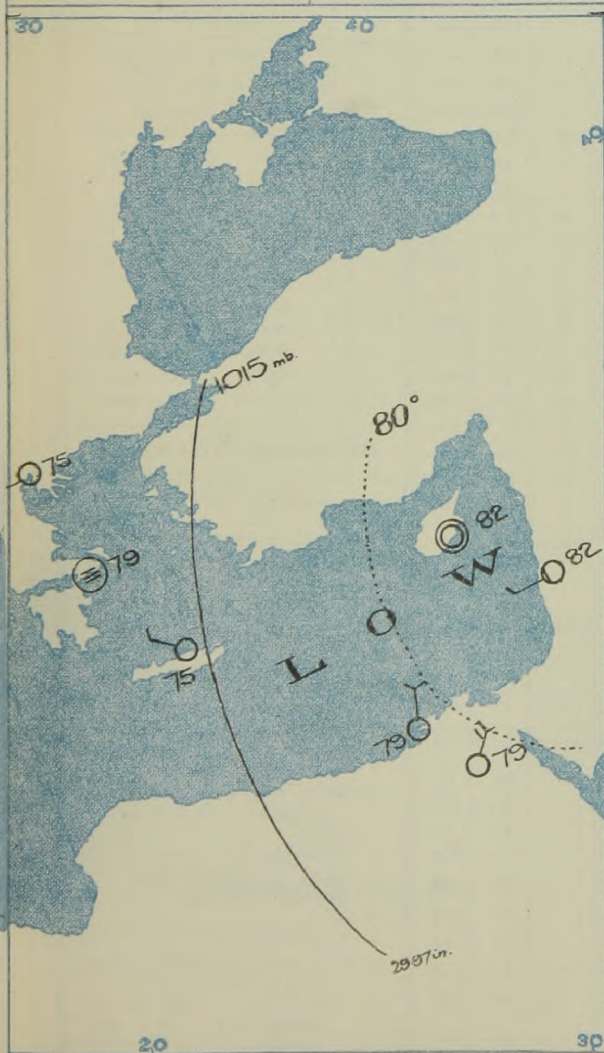
## The Conditions at 7h Today

The depression which was yesterday to the NW of Ireland has moved south-eastward and is now centred over Anglesey. Considerable increase of intensity has occurred in front of the centre and strong South-westerly winds are blowing over Southern England, the English Channel and Northern France, with rain at many stations.

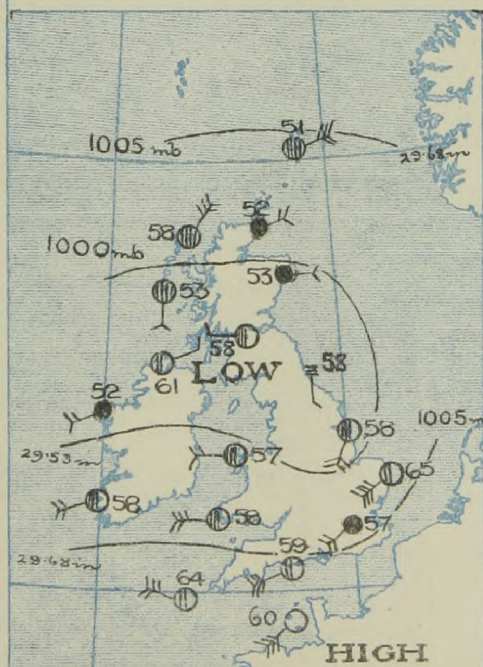
Pressure has decreased at the Azores, the anticyclone having receded southward. Highest pressures are now found at Spitzbergen. No material change has occurred in the Mediterranean region and Central Europe.

## The Outlook.

The depression over the British Isles will probably move slowly south eastward or eastward accompanied by much rain in the Southern districts.



Thursday, 11<sup>th</sup>, JULY, 1918, at 13h. (1p.m.) G.M.T.



The depression is moving slowly northwards.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 192.

THURSDAY,  
11th JULY.

STATIONS.	EVENING OF 10 <sup>TH</sup>					MORNING OF 11 <sup>TH</sup>										24 HOURS ENDED 7 h 11 <sup>TH</sup>					Sun- ship for 10 <sup>TH</sup> Hours.	
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	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	1007.5	55	E	2	bcm	1007.0	-1	50	0	ENE	4	cm	3	9	56	48	bc	bcm	m	6.3	
	Deerness (Orkney)	1004.0	54	ESE	4	b	1003.4	-1	52	+1	E	5	o	4	Trace	56	40	o.c. bc.	bc. b.	b. bco.	13.3	
	Stornoway	1001.7	59	NE	5	bc	1000.5	-1	56	+2	E	5	bc	4	63	43	bc	bc	bc	8.9		
	Castlebay (Barra f.d.)	1000.4	57	NE	3	c	999.1	-1	53	+1	NE	2	o	2	1	58	51	c. of c.	c. bc.	c. of c.	4.3	
	Glasgow	1001.5	50	E	1	ch	999.6	-1	47	+1	SE	1	brnw	*	1	60	45	cum.	t. of c.	c. bcm	2.4	
	Esksdalemuir	1000.6	52	-	0	o	998.7	-2	50	+1	-	0	sw	*	2	56	38	o. ogt.	ogt. of c.	o. c. bcm	6.6	
	Malin Head	998.2	55	SSE	3	bc	998.5	0	55	+3	E	2	bc	2	3	59	48	bc	bc	bcm	2.3	
	Blacksod Point	996.1	56	N	4	bc	999.6	+1	53	+1	WNW	2	bc	3	2	57	48	ch	bc. of c.	bc. bc	6.4	
	Valencia (Cahircliveen)	1001.2	54	W	4	o	1002.5	+2	55	0	W	4	NW	4	9	58	53	bc. o	o. bc.	o. c.	13.1	
	Roche's Point	1001.1	54	WSW	3	ogt.	1001.3	*	54	+3	W	3	NW	3	4	60	50	c. of c.	ogt.	o. c.	11.5	
	Birr Castle	997.5	52	NW	1	o	999.1	*	51	+1	W	1	-	0	5	63	47	o. ch.	o. ch.	o	9.8	
	Donaghadee	999.6	55	SE	4	bcg	998.5	0	53	0	SE	3	SE	2	0.4	60	50	bcm	bcg	bcm	7.3	
	Liverpool (Bidston)	1000.3	56	WNW	1	bc	997.4	-3	50	+1	SE	2	SW	1	3	63	48	o. ch.	o. ch.	bc. bc.	2.0	
	Holyhead	1000.3	56	SW	4	bcv	996.9	-1	52	+1	E	1	-	0	7	60	49	c. b. bc.	bc. bc.	b. bc.	11.5	
	Pembroke (St. Ann's)	1002.5	57	WSW	3	bcv	999.6	+2	55	+1	W	4	W	4	2	58	51	c. bc. b.	b. bc.	bc. bc.	9.2	
	Hartland Quay	1003.5	58	WSW	5	c	1001.1	-3	56	+5	SSW	8	-	0	7	64	53	o. bc.	o. bc.	o. bc.	2.6	
	Scilly (St. Mary's)	1005.4	58	WNW	5	cgt	1005.2	+1	56	+1	WNW	6	W	6	3	64	53	ch	cgt	cgt	11.5	
	Falmouth	1004.7	60	WSW	4	b	1004.5	+2	56	+1	WSW	5	W	5	5	65	51	bcg.	bcg.	bcg.	9.8	
	Jersey (St. Aubin)	1006.9	59	WNW	5	b	1008.7	*	59	+2	SW	5	SW	4	2	62	53	bc. of c.	bc. b.	b. bc.	7.3	
	Portland Bill	1002.3	57	W	4	bc	1002.8	-1	57	+4	WSW	6	W	5	4	59	52	ch	c. bc.	cgt	2.0	
	Dungeness	1004.6	55	SW	3	bc	1005.8	-1	58	0	SW	7	SW	6	2	63	54	c	c. of c.	cgt	11.5	
Wick	1003.5	53	ESE	3	bcm	1001.9	-2	52	0	ESE	3	-	r	4	4	55	50	omg.	o. bcm	b. omg.	11.5	
Nairn	1000.9	57	NE	1	cg	999.6	*	53	-3	ENE	2	-	cg	2	2	60	48	b. bc.	o. ch.	o. ch.	9.2	
Aberdeen	1003.2	57	SSE	4	b	1000.7	-1	52	+4	E	1	-	or	2	2	62	48	bm. emb.	b.	bc. o.	2.0	
Leith	1000.9	55	ENE	1	o	998.6	0	51	+2	W	1	-	bz	1	6	57	46	c. c. o.	adm. o.	o. ch.	11.5	
Tynemouth	1000.8	55	SE	3	ogt.	998.8	-1	51	-4	W	1	-	f	2	1	59	47	om	om	o.	9.2	
Spurn Head	1002.8	57	S	4	ch	1000.7	-1	54	+1	SSW	4	-	c	4	3	60	48	cg	cg	c	2.0	
Yarmouth (Gorleston)	1004.9	61	S	7	ogt.	1004.3	-1	56	-2	SSW	6	-	cg	5	5	64	48	bcg. of c.	cgt	ogt.	5.5	
Clacton-on-Sea	1004.3	60	S	5	ogt.	1004.0	0	57	-1	S	6	-	of c.	5	2	63	53	bc. ch.	ch. ogt.	ogt.	4.9	
Nottingham	1001.4	58	SSW	2	ch	998.7	*	50	+2	ESE	1	S	r	*	6	64	44	o. ch.	ch. o	ch. bc.	2.8	
Benson (Oxon.)	1002.4	52	S	1	c	1001.0	-2	53	+1	SW	4	-	r	*	9	62	47	o. ch.	bc. ch.	b. o.	11.5	
St. Farnborough	1003.7	59	SSW	5	ogt.	1002.9	-1	53	+3	SW	6	-	ogt.	18	64	48	ogt.	c. o.	o. bc.	4.0		
Salisbury Plain	1012.6	57	WSW	3	bc	1002.0	0	55	+1	SSW	4	SW	or	10	61	47	ogt.	o. ch.	c. o.	6.5		
London (Kew Obsy.)	1003.0	61	SSW	3	ogt.	1003.2	-3	55	+3	S	5	-	or	14	63	50	omg. ch.	o. ch.	o. ch.	2.6		
NORTHERN EUROPE.	Spitsbergen	1025.6	48	N	5	b	1027.5	-1	46	-4	N	4	*	b	*	50	43					
	Vardö	1021.3	48	N	4	b	1016.2	-3	48	-4	N	6	-	o	5	52	46					
	Bodö	1012.3	68	-	0	b	1013.1	0	68	+2	E	1	-	b	1	72	61					
	Christiansund	1009.8	68	-	0	c	1011.9	+1	59	-7	-	0	-	o	1	73	55					
	Skudesnaes	1009.1	55	-	0	o	1006.0	-4	61	+4	S	2	-	c	1	7	61	43				
	Færder (Xtania fjord)	1010.5	59	SSE	2	m	1010.2	-2	59	0	ENE	1	-	m	1	Trace	64	57				
	The Scaw (Skagen)	1011.0	57	-	0	bc	1008.2	-3	59	0	ESE	3	-	o	3	7	63	55				
	Blaavands Huk	1011.0	64	SSW	1	bc	1006.2	-1	55	-2	SSW	4	-	o	5	66	50					
	Copenhagen	1011.6	63	-	0	m	1010.4	-2	59	0	SSE	3	-	o	5	66	59					
	Bornholm	1012.3	59	ESE	2	m	1012.6	+1	55	-4	-	0	-	f	0	1	63	54				
FRANCE, &c.	The Helder	1007.2	64	WSW	1	b	1006.4	+3	59	+4	SSW	5	-	c	2	15	66	52				
	C. Gris Nez	1005.4	54	SW	4	o	1007.4	0	57	+2	SSW	7	*	c	6	3	68	54				
	La Hève	1007.2	54	WSW	5	r	1009.4	*	55	0	SW	6	*	bc	5	-	63	55				
	Brest (St. Mathieu)	1010.2	59	W	4	c	1010.4	+1	57	+3	WSW	4	*	c	4	-	61	52				
	Rochefort (Île d'Aix)	1014.7	62	WSW	5	c	1015.9	0	63	0	WNW	5	*	o	2	79	57					
	Biarritz	1017.2	65	NW	3	c	1018.7	0	61	-2	S	2	*	b	3	-	70	57				
	Paris	1009.5	57	WSW	3	c	1014.8	0	59	-4	SSW	3	-	b	6	75	48					
	Belfort	1012.6	64	SW	1	r	1019.5	*	57	+2	W	3	*	b	5	73	48					
	Lyons	1012.8	62	W	1	thr	1018.7	*	59	-4	-	0	*	bc	13	71	54					
	Nice	1014.4	70	SW	1	bc	1016.4	+3	61	-3	-	0	*	r	1	3	81	61				
Perpignan	1015.0	70	-	0	thr	1011.9	+1	61	-5	W	1	-	o	10	72	55						
Sanguinaire	1014.3	82	NW	2	m	1014.3	*	77	-5	SE	2	*	m	7	-	82	64					
IBERIA, &c.	Corunna	1019.6	64	WNW	4	b	1020.2	+1	63	0	SW	4	-	c	3	Trace	68	55				
	Madrid	1019.4	68	SSW	5	b	1019.5	+1	61	-2	NNW	2	-	b	5	-	72	59				
	Lisbon	1025.6	*	SW	4	c	1020.4	-1	64	0	WSW	1	*	o	2	29	77	64				
	Azores (Horta)	1025.4	*	W	3	bc	1021.8	-1	66	0	SSW	2	*	c	2	-	73	63				
	Madeira (P. Delgada)	1023.2	72	NE	3	c	1024.4	0	63	-1	NE	2	-	b	2	-	73	63				
	Gibraltar	1015.2	69	W	5	b	1015.9	*	66	-2	W	5	*	b	3	-	82	64				
MEDITERRANEAN.	Palma	1011.8	77	NNE	2	b	1015.1	+4	77	0	WSW	1	-	b	0	-	86	68				
	Algiers	1017.9	75	-	0	b	1017.9	+2	75	+2	SSE	2	-	bc	1	-	79	72				
	Malta	1018.4	75	-	0	b	1018.4	0	75	+4	W	2	-	b	*	-	87	65				
	Salonica	1017.6	77	N																		

**THE BEAUFORT SCALE OF WIND FORCE.**

No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

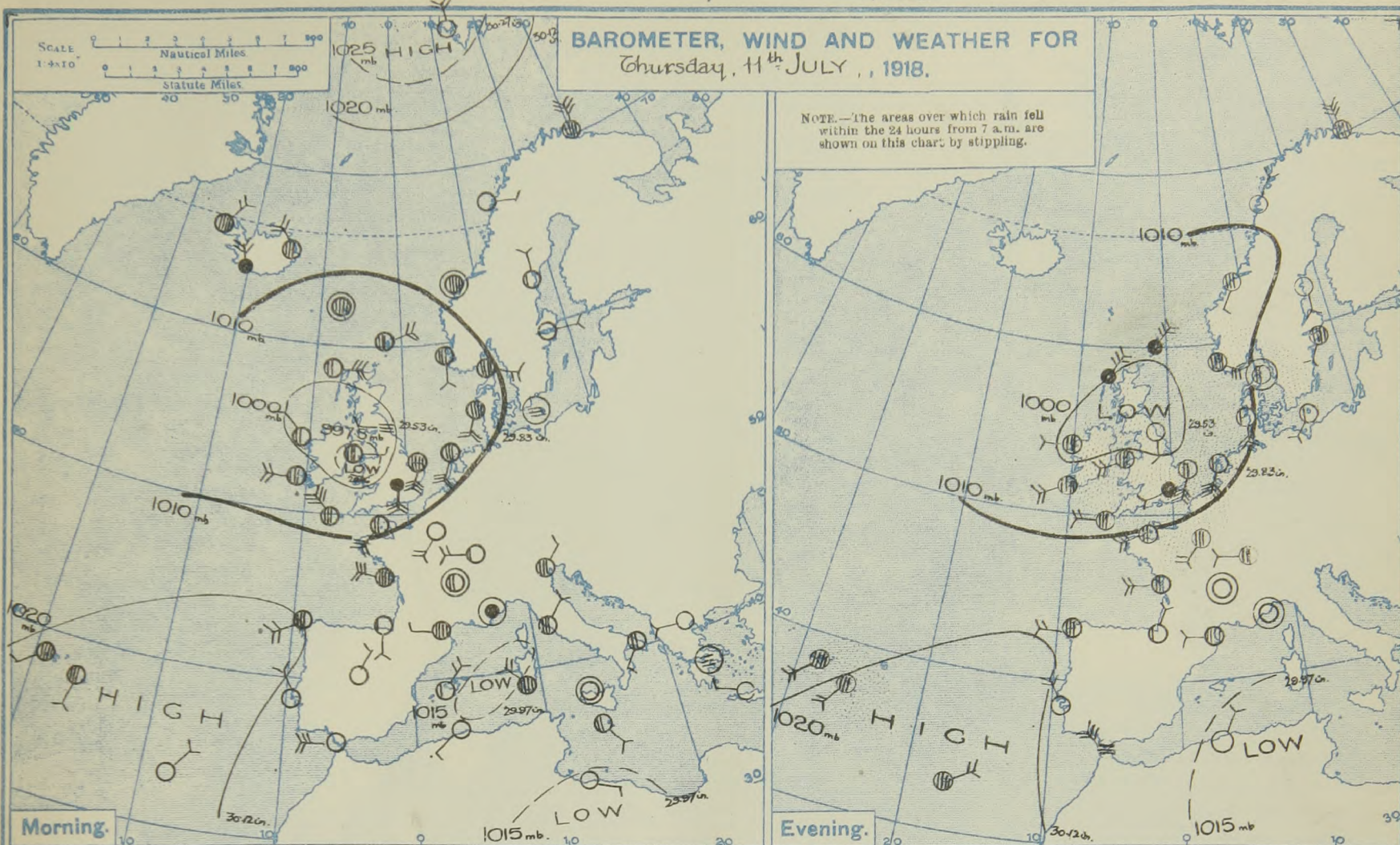
No. 20686.

Friday, 12<sup>th</sup> July

1918.

## BAROMETER, WIND AND WEATHER FOR Thursday, 11<sup>th</sup> July, 1918.

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



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 11<sup>th</sup> JULY.

STATIONS.		EVENING OF 10 <sup>TH</sup>					MORNING OF 11 <sup>TH</sup>										MORNING OF 11 <sup>TH</sup>							
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dirac.		Force 0-12.	
		° F.												° F.	° F.			° F.	° F.					
RUSSIA.	Archangel ...													*	*		Isafjord ...	1019.2	43	-2	NE	3	0	
	Petrograd ...													*	*		Reykjavik	1012.8	55	+5	-	0	b	
	Moscow ...													*	*		Vestmanna	1011.2	48	0	NNW	5	1	
SWEDEN.	Hernösand ...	1013.1	63	SSE	2	b	1014.0	*	66	+11	N	2	b	*	*	*	Seydisfjord	1013.2	41	0	NW	4	c	
	Stockholm ...	1012.4	66	S	2	b	1013.9	*	70	+7	E	2	b	*	*	*	Thorshavn	1008.0	51	+3	-	0	b	
	Wisby ...	1012.3	63	WSW	2	b	1014.3	*	68	+5	S	2	b	*	*	*								
ITALY.	Venice ...						1015.5	*	73	0	-	0	c	-	79	68	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
	Turin ...	1013.0	70	-	0	c	1015.7	*	66	+2	-	0	c	2	77	63	12 <sup>TH</sup> AND 13 <sup>TH</sup> JULY 1918.		Sunrise.		Noon.		Sunset.	
	Pesaro ...	1015.7	72	S	1	bc	1016.7	*	81	+4	-	0	b	-	81	64								
	Leghorn ...						1016.3	*	75	0	S	1	bc	-	81	72								
	Rome ...	1017.9	65	S	1	b	1017.7	*	71	-8	NE	2	c	-	86	76								
	Viesti ...	1016.5	75	SSE	1	b	1017.1	*	73	+1	SSE	1	b	-	79	66	Yarmouth ...	...	3.45	11.58	8.12			
	Brindisi ...	1018.3	75	SE	2	b	1017.4	*	77	+7	SW	1	bc	-	81	70	Greenwich ...	...	3.46	11.58	8.11			
	Cagliari ...						1018.4	*	79	+2	NW	3	0	4	86	64			3.58	12.5	8.12			
	Palermo ...	?	73	-	0	b	1016.3	*	77	+2	-	0	b	-	78	64			3.59	12.5	8.12			
	Tripoli ...						1014.9	*	82	+1	ESE	1	b	-	91	73	Wick ...	...	3.25	12.17	9.9			
																	Valencia ...	...	3.27	12.17	9.8			
																		4.36	12.46	8.57				
																		4.37	12.46	8.55				

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

12 <sup>th</sup> AND 13 <sup>th</sup> JULY 1918.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.45	11.58	8.12
Greenwich ...	3.46	11.58	8.11
Wick ...	3.58	12.5	8.12
Valencia ...	3.59	12.5	8.12
	3.25	12.17	9.9
	3.27	12.17	9.8
	4.36	12.46	8.57
	4.37	12.46	8.56

LONDON	Humidity.		Sunshine for 11 <sup>th</sup>	24 HOURS ENDED 9 h. 12 <sup>th</sup>				WEATHER.		
	7.5 h.	9 h.		Max.	Min.	Min. on Grass.	Rain-fall.	Morning.	Afternoon.	Night.
12 <sup>th</sup> JULY 9h. G.M.T.	11 <sup>th</sup>	12 <sup>th</sup>	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory) ...	94	82	0.4	62	52	45	4.5	o. of thr.	o. of thr.	thr. bc. cor.
CITY (Bunhill Row) ...	*	*	0.8	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ...	92	77	0.7	61	53	49	37	*	*	*
" (Roof near Charing Cross) ...	96	76	0.5	61	53	*	33	omr	rth. to	*
CAMDEN SQ. (British Rainfall) ...	87	74	1.1	62	52	48	12	om.	or	*
KENSINGTON PALACE ...	90	80	0.9	62	53	46	21	om. o.	om. thr.	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

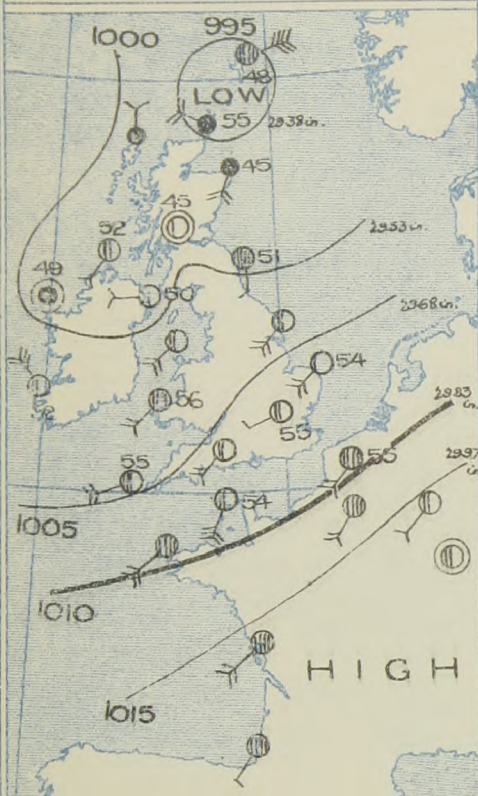
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 11 <sup>th</sup> JULY.		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
520	9	68

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12<sup>TH</sup>, JULY, at 1h. G.M.T.

THE MORNING OF FRIDAY, 12<sup>TH</sup>, JULY 1918, at 7h. G.M.T.



**EXPLANATION.**

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

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

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

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

Isobars shown by dotted lines.

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

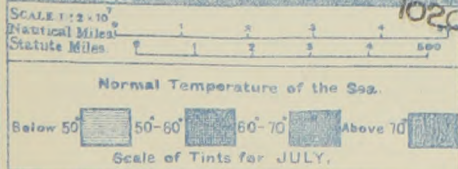
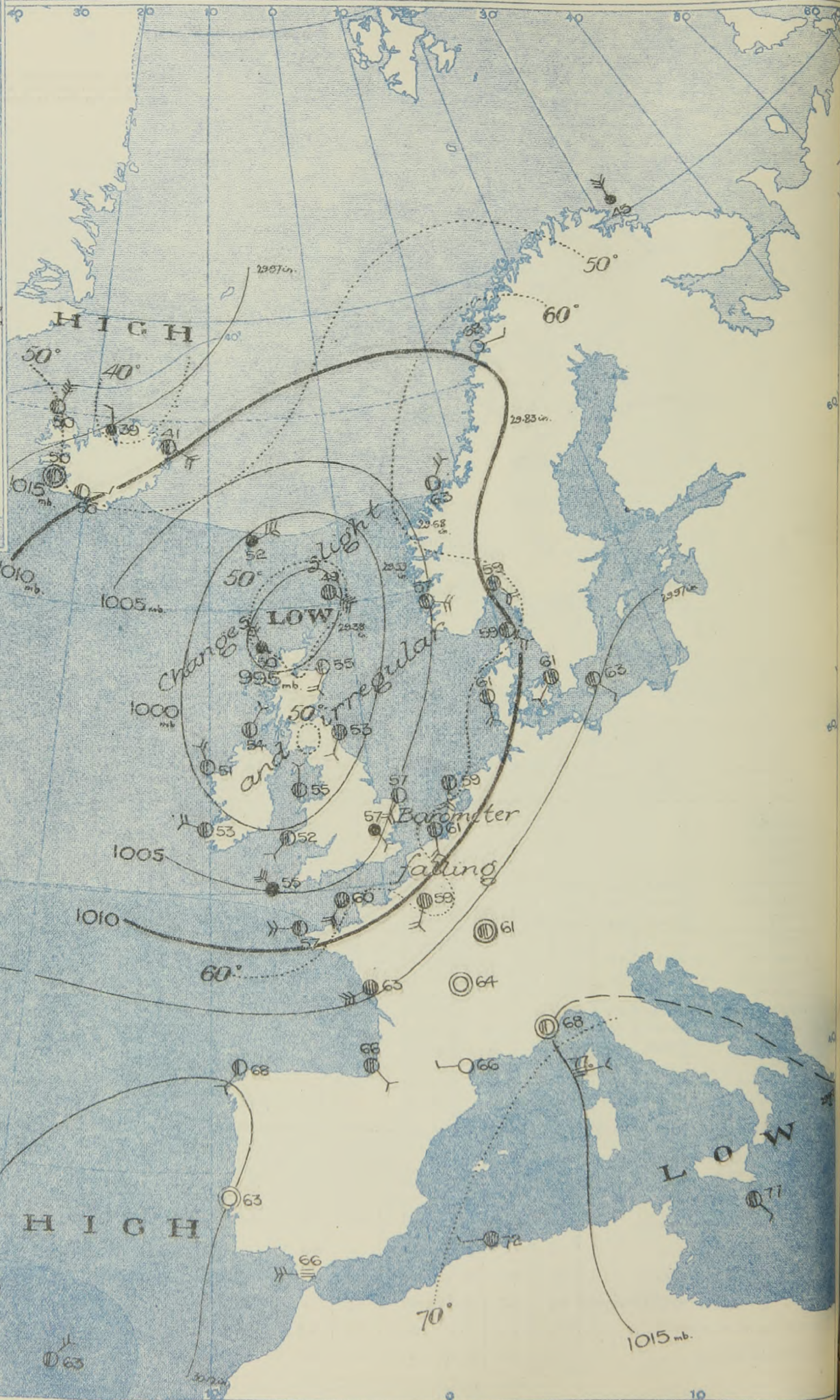
☉ clear sky. ☁ sky & clouded. ☁ sky & clouded.

☁ sky & clouded. ☁ overcast sky. ☁ rain falling.

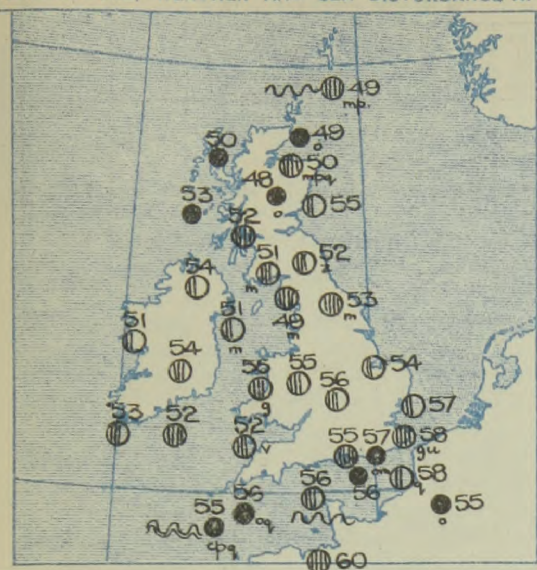
☁ snow. ☁ hail. ☁ fog. ☁ mist. ☁ thunder.

☁ thunderstorm.

**SEA DISTURBANCE.**—Rough. High.







## GALES.

## LERNICK.

Gale SE. 8 since 6hr.  
(12<sup>th</sup>)

## ESKDALE.

reports line squall  
at 15.30 hr. (11<sup>th</sup>)

## Notes on the Weather of the 24 hours ended 7h Today

Rain again fell very generally, the largest amounts being measured in England SE, where South Tarnborough recorded 30mm, while at Greenwich 45mm fell in 24 hours ending 21h yesterday. In other districts precipitation occurred mainly in showers, often accompanied by thunder. Sunshine was generally deficient, but nearly 10 hours were recorded at Scilly. Temperature continued low for the season, the maximum reading nowhere exceeding 65°.

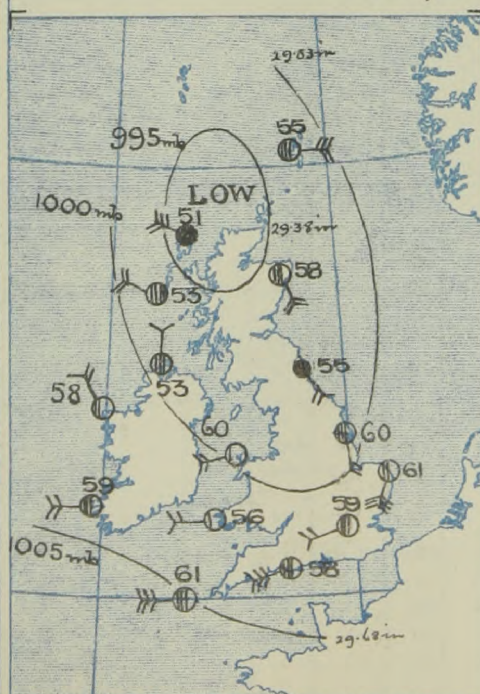
## The Conditions at 7h Today

The depression which was over the Irish Sea yesterday has taken a Northward course and is now centred over Orkney. Fresh Southerly to Westerly winds are blowing over Southern England, the English Channel, Western and Northern France. Rain is falling over North Scotland and the Hebrides, and also locally in Southern England and NE France. A further fall of pressure has occurred at the Azores and a fresh depression is indicated to the West of those islands.

## The Outlook.

The further course of the depression over the British Isles is not clearly indicated. It will probably continue to affect these islands for at least a day or two. The depression favours the formation of secondaries, and conditions are likely to be generally unsettled with local thunderstorms. Reports from the Azores suggest that the arrival of further disturbances from the Atlantic is probable.

Friday, 12<sup>th</sup> JULY, 1918, at 13h. (1p.m.) G.M.T.



The centre of the depression shows little change of position. The barometer is now rising decidedly in the Western districts.



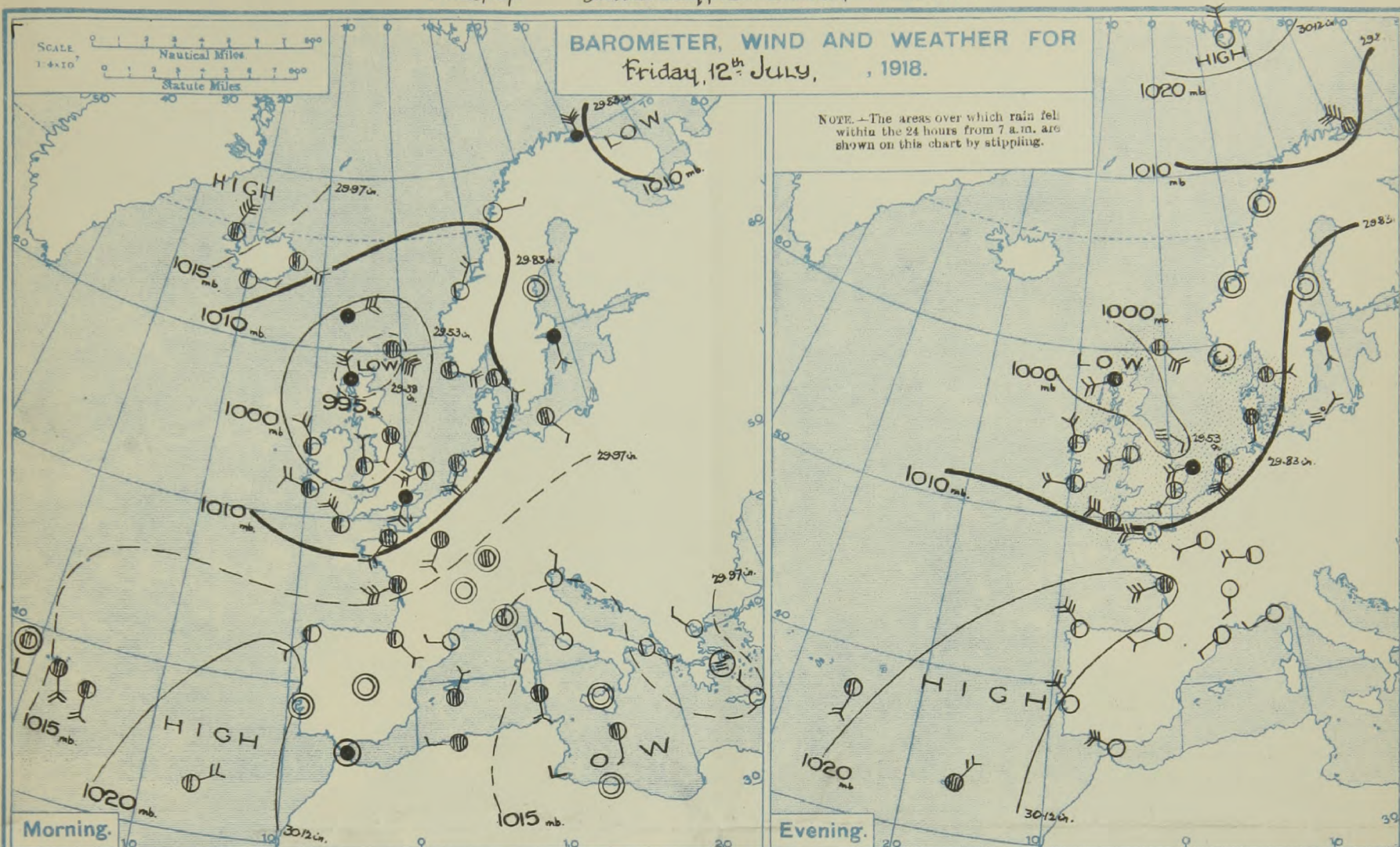
STATIONS.	EVENING OF 11 <sup>TH</sup> .....					MORNING OF 12 <sup>TH</sup> .....										24 HOURS ENDED 7 h. 12 <sup>TH</sup> .....					Sun- shine for 11 <sup>TH</sup> Hours.	
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer.		Temp.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall Milli- metres.	Temp.		WEATHER.				
			Direc.	Force 0-12		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1001.1	50	NE	5	fr	994.8	+1	49	-1	SE	8	-	omph	5	6	52	47	om	om	omph	*
	Deerness (Orkney)	998.6	51	N	4	oz	991.5	*	49	-3	S	5	-	or	4	14	55	48	oz	o	or	0.7
	Stornoway	1000.0	54	NE	5	od	994.2	-4	50	-6	NNW	5	-	r	4	14	59	50	bc. o.	of	of. or.	3.1
	Castlebay (Barra Isd.)	999.2	56	WNW	3	bc	998.2	0	53	0	NW	4	-	r	3	1	57	50	of	of. bc.	bc. or.	4.8
	Glasgow	998.4	58	WSW	3	c2	998.5	-1	51	+4	W	1	SW	cm	*	1	61	47	b. bc. cz.	cut. cz	c. b. ofm	5.2
	Eskdalemuir	999.1	51	-	0	om	998.7	0	49	-1	-	0	-	om	*	12	62	39	cu.	allom.	of. om.	5.1
	Malin Head	998.8	56	NE	2	ch	998.1	0	54	-1	NNE	2	NE	bc	2	-	61	51	bc	bc	c	8.9
	Blacksod Point	999.2	53	W	2	cm	999.7	0	51	-2	NNW	3	N	bc	3	2	54	48	omph	omph	cg. of.	*
	Valencia (Cahirciveen)	1002.6	55	WSW	4	o	1001.4	+1	53	-2	WNW	3	-	c	4	7	59	51	ch	ch. bc. o.	bc. c.	3.1
	Roche's Point	1002.8	57	WSW	3	c	1000.1	*	52	-2	SW	2	-	o	2	5	63	50	c. o.	o. of. c.	of. no.	*
Birr Castle	999.9	60	SW	1	c	1000.4	*	54	+3	WSW	1	-	c	*	2	61	47	of. c.	of. c.	c	3.7	
Donaghadee	998.7	58	SW	4	cgq	998.3	0	51	-2	W	2	W	bc. m.	1	-	60	46	bc. m.	bc. m. cg.	bc. m.	*	
Liverpool (Bidston)	1000.7	59	W	4	b	999.2	-2	55	+5	SSE	1	SW	c	1	2	60	50	bc. of.	bc. of.	o. c.	4.9	
Holyhead	1000.8	57	WSW	4	cg	998.9	-1	55	+3	N	2	-	cg	0	0.4	61	50	c. bc. c.	c. bc. ch.	ch. bc. b.	6.5	
Pembroke (St. Ann's)	1004.2	56	W	5	cg	1000.5	+1	52	-3	SW	2	SW	cr.	3	4	59	50	cg	cg	c. of. ch.	8.9	
Hartland Quay	1006.3	59	SW	7	bcq	1000.8	+1	57	+1	WSW	7	-	chq	6	9	59	55	of. q.	chq. cg.	of. q. c.	*	
Scilly (St. Mary's)	1007.9	59	W	3	c	1005.1	+1	55	-1	WNW	6	W	chq	7	4	65	50	bcq	bc. c.	chq	9.8	
Falmouth	1007.7	60	SW	5	cg	1004.1	+3	56	0	WSW	4	-	orq	*	4	63	49	bc. q. c.	o. bc. q.	cg. or. o.	5.9	
Jersey (St. Aubin)	1010.6	61	WSW	5	bc	1006.6	*	60	+1	SW	4	-	o	4	1	63	57	bc. of. c.	c. of. bc.	bc. of. o.	5.5	
Portland Bill	1006.4	58	WSW	6	bc	1002.9	+2	56	-1	SW	5	W	c	5	3	59	54	bcq	bc.	ch	*	
Dungeness	1007.2	60	SW	6	bcq	1005.5	-3	58	0	SSW	5	SW	bcq	4	-	63	56	bcq	bcq.	cg	*	
Wick	999.0	50	NNW	2	omph	993.3	0	50	-2	SSW	4	-	omph	4	19	53	48	omph	omph.	omph.	*	
Nairn	998.5	52	NE	1	ou	995.3	*	48	-5	-	0	-	or	1	11	56	47	edgo	tr. c.	odph.	0.0	
Aberdeen	998.7	52	NW	2	or	997.4	0	55	+3	SSW	3	W	bc	2	7	56	49	or	or.	or. o. bc.	0.0	
Leith	997.6	55	E	4	o	997.2	0	52	+1	NE	1	-	c2	1	0.2	62	45	bc. cu. c.	c. bc. o.	of. c.	*	
Tynemouth	997.7	58	S	1	cg. m.	998.3	-1	53	+2	SSW	2	-	om	2	1	62	49	fi	cmult	omph	*	
Spurn Head	1000.5	62	WSW	4	bcq	1002.4	0	54	0	S	4	-	bc	4	3	63	51	cg	bcq.	c. bc.	2.8	
Yarmouth (Gorleston)	1003.8	60	SW	6	bcq	1005.3	-1	57	+1	SW	4	-	bc	4	2	65	50	cg. bcq	cg.	bc.	5.4	
Clacton-on-Sea	1006.0	57	WSW	4	th	1005.1	-3	58	+1	SSE	5	SW	og. th	4	20	61	54	og. th	o. cg. th.	og. th.	0.2	
Nottingham	1001.7	60	WSW	3	b	1000.9	*	56	+6	S	2	S	c	*	2	62	50	of. c.	ch. bc.	b. bc.	5.6	
Benson (Oxon.)	1004.6	58	SW	3	bc	1000.9	-6	55	+2	SSW	4	-	o	*	5	65	52	ro	p. th.	bc. of.	*	
Sth Farnborough	1005.9	60	SW	5	c	1002.6	-5	56	+3	SSW	4	-	or	*	30	62	52	og. m.	omph. bc.	c. of. bc.	2.1	
Salisbury Plain	1005.7	57	SW	3	rc.	1001.6	-3	57	+2	S	4	SW	c	*	29	63	51	of.	or.	o. b.	2.3	
London (Kew Obsy.)	1005.5	57	WSW	2	omph	1003.1	-3	57	+2	SSE	2	-	om	*	22	62	52	om. of. th.	om. u. bc. q.	of. bc.	1.2	
NORTHERN EUROPE.	Spitsbergen	1013.5	45	N	6	o	1010.8	0	45	-3	N	6	-	r	4	*	48	45				
	Vardö	1011.9	70	NE	1	b	1010.4	-1	68	0	E	1	-	b	1	-	70	61				
	Bodö	1011.9	70	NE	1	b	1010.4	-1	68	0	E	1	-	b	1	-	70	61				
	Christiansund	1005.2	64	SSW	1	c	1008.0	-1	63	+4	NNE	2	-	b	2	-	66	52				
	Skudenes	1003.6	55	ESE	5	o	1004.7	0	57	-4	ESE	4	-	c	7	3	61	50				
	Færder (K'ania Fjord)	1011.5	59	SW	4	b	1011.0	0	59	0	SSE	4	-	o	2	7	59	57				
	The Scaw (Skagen)	1011.6	61	-	0	bc	1009.2	-1	59	0	SE	3	SE	c	?	2	64	55				
	Blaavands Huk	1009.9	61	S	4	b	1009.0	-1	61	+6	S	3	-	c	*	Trace	64	54				
	Copenhagen	1012.0	64	SW	2	b	1012.7	-1	61	+2	SW	2	-	o	*	1	66	57				
	Bornholm	1012.4	59	W	3	m	1012.3	-1	63	+8	SSE	1	-	c	0	2	64	54				
FRANCE, &c.	The Helder	1006.8	63	SSW	7	b	1007.5	0	59	0	SSW	4	SW	c	2	4	64	54				
	C. Gris Nez	1006.4	61	SW	7	b	1006.8	-1	59	+2	SW	4	*	c	5	1	63	55				
	La Hève																					
	Brest (St. Mathieu)	1012.2	59	SW	4	bc	1009.4	+2	57	0	W	4	*	c	4	-	63	55				
	Rochefort (Ile d'Aix)	1016.6	66	W	4	bc	1017.3	+2	63	0	WSW	6	*	o	*	1	70	57				
	Biarritz	1017.5	70	NNE	2	b	1017.6	+1	66	+5	SE	2	*	c	3	-	73	61				
	Paris	1013.5	59	S	2	o	1012.3	-1	59	0	SSE	3	-	o	*	1	72	55				
	Belfort	1015.6	66	W	2	c	1017.0	*	61	+4	-	0	*	c	*	-	70	50				
	Lyons	1016.2	73	WSW	1	b	1016.8	*	64	+5	-	0	*	b	*	-	75	55				
	Nice	1015.2	70	-	0	b	1015.0	+1	68	+7	-	0	*	bc	2	-	81	61				
Perpignan	1016.6	70	W	2	o	1016.4	0	66	+5	W	1	-	b	*	-	79	55					
Sanguinaire	1014.3	77	NW	3	m	1015.0	*	77	0	E	2	*	m	?	-	84	66					
IBERIA, &c.	Corunna	1019.6	66	W	3	c	1019.5	?	68	+5	SW	2	-	bc	2	?	68	59				
	Madrid																					
	Lisbon	1019.6	68	NW	4	b	1020.0	0	63	+2	-	0	-	b	?	-	72	61				
	Azores (Horta)	1018.8	*	SSW	4	o	1019.2	0	68	+4	SE	4	*	o	3	6	68	64				
	„ (P. Delgada)	1021.0	*	SSW	3	c	1017.9	-1	68	+2	S	3	*	c	3	2	73	64				
	Madeira	1022.0	70	NE	3	o	1022.7	-1	63	0	NE	3	-	bc	3	-	76	61				
Gibraltar	1016.6	69	NW	5	f	1016.2	*	66	0	W	5	*	f	3	-	87	61					
MEDITERRANEAN.	Palma																					
	Algiers	1014.6	75	NNE	2	b	1016.4	+2	72	-5												



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20687. Saturday, 13<sup>th</sup> July, 1918.

## BAROMETER, WIND AND WEATHER FOR Friday, 12<sup>th</sup> July, 1918.



### WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 12<sup>th</sup> JULY.

STATIONS.		EVENING OF 11 <sup>TH</sup>					MORNING OF 12 <sup>TH</sup>										MORNING OF 12 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.
		° F.						° F.	° F.					° F.	° F.			° F.	° F.				
RUSSIA.	Archangel ...													*	*		Isafjord ...	1019.0	50	+7	NNE	7	c.
	Petrograd ...													*	*		Reykjavik	1011.9	50	-5	-	0	c.
	Moscow ...													*	*		Vestmanna	1010.3	50	+2	E	1	bc.
SWEDEN.	Hernösand ...	1012.0	66	S	2	b	1010.4	*	63	-3	-	0	b	*	*	*	Seydisfjord	1011.6	41	0	SE	4	c.
	Stockholm ...	1012.8	66	SW	2	a	1011.5	*	57	-13	S	2	r	*	*	*	Thorshavn	999.6	52	-2	ENE	5	y.
	Wisby ...	1013.2	61	WNW	2	c	1012.6	*	59	-9	S	2	bc	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
ITALY.	Venice ...						1015.1	*	70	-3	NNE	1	b	22	81	63	13 <sup>TH</sup> AND 14 <sup>TH</sup> JULY 1918.		Sunrise.	Noon.	Sunset.		
	Turin ...	1014.6	70	-	0	bc	1015.5	*	68	+2	-	0	c	2	77	61	Yarmouth ...	{	G.M.T.	G.M.T.	G.M.T.		
	Pesaro ...	1014.9	?	NE	1	?	1014.7	*	75	-6	-	0	bc	5	84	66			3.46	11.58	8.11		
	Leghorn ...						1014.5	*	75	0	-	0	b	-	82	70			3.47	11.59	8.10		
	Rome ...	1016.1	75	-	0	b	1014.7	*	75	+4	N	1	b	-	88	64	Greenwich ...	{	4.0	12.5	8.12		
	Viesti ...	1016.9	79	-	0	bc	1014.5	*	77	+4	-	0	o	-	81	68			3.59	12.6	8.11		
	Brindisi ...	1016.1	73	NW	2	b	1015.1	*	72	-5	SE	2	b	-	84	68			4.0	12.7	9.8		
	Cagliari ...	1013.0	80	SE	4	c	1013.4	*	81	+2	S	3	o	-	86	66	Wick ...	{	3.27	12.17	9.6		
	Palermo ...	1014.7	81	-	0	bc	1013.3	*	75	-2	-	0	b	-	89	64			3.29	12.18	9.6		
	Tripoli ...						1012.2	*	91	+9	-	0	b	-	99	77			4.37	12.46	8.56		
																			4.38	12.47	8.55		

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

13 <sup>th</sup> AND 14 <sup>th</sup> July 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	3.46	11.58	8.11
Greenwich ...	...	3.47	11.59	8.10
Wick ...	...	3.59	12.5	8.12
Valencia ...	...	4.0	12.6	8.11
		3.27	12.17	9.8
		3.29	12.18	9.6
		4.37	12.46	8.56
		4.38	12.47	8.55

LONDON		Humidity.		Sun-shine for 12 <sup>th</sup>	24 HOURS ENDED 9 h. 13 <sup>th</sup>				WEATHER.		
13 <sup>th</sup> July 9h. G.M.T.		13 <sup>th</sup>	13 <sup>th</sup>		Max.	Min.	Min. on Grass.	Rain-fall.	Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory) ..	...	91	68	6.1	67	50	43	3	c.	cg.	c or b.
CITY (Bunhill Row) ..	...	*	*	5.9	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ..	...	86	72	5.5	65	51	46	2	x	x	x
" (Roof near Charing Cross) ..	...	75	65	5.7	65	52	4	?	c.	c or x	x
CAMDEN SQ. (British Rainfall) ..	...	76	64	5.4	68	50	46	3	bc.	b or o.	*
KENSINGTON PALACE ..	...	88	74	5.5	65	50	41	3	cp	cp	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

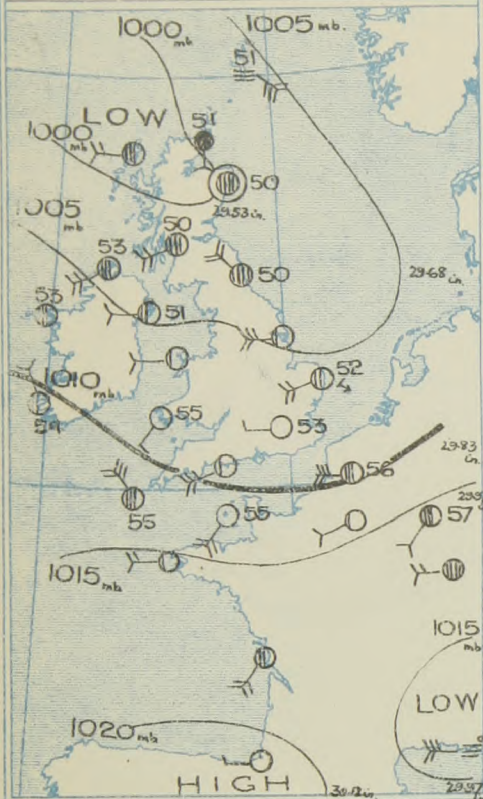
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 12 <sup>th</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1340	23	91.5

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




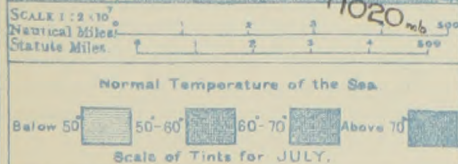
13<sup>th</sup> JULY, at 1h. G.M.T.

THE MORNING OF THURSDAY, 13<sup>th</sup> JULY 1918, at 7h. G.M.T.

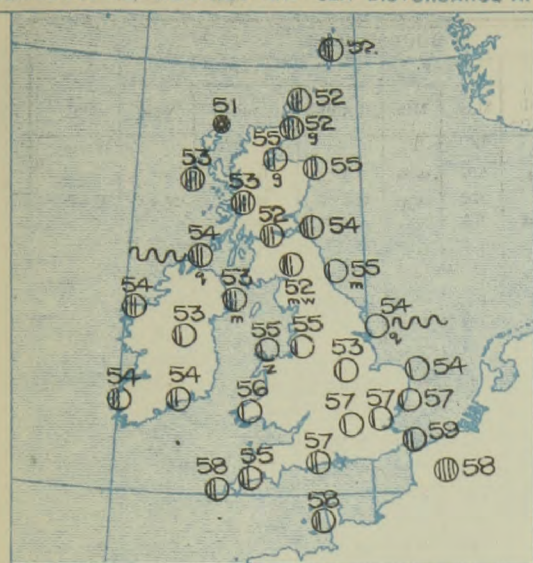


# EXPLANATION.

**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 & cloudy. ☁ sky & cloudy.  
 ☁ sky & cloudy. ☁ overcast sky. ☁ rain falling.  
 ☁ snow. ☁ hail. ☁ fog. ☁ mist. ☁ thunder.  
**DISTURBANCE.**—Rough  High .







## GALES.

Dungeness.

Gale 17-23h. SW. 8.

## Notes on the Weather of the 24 hours ended 7h to-day.

Rain or showers occurred again in all districts, but rainfall was generally light. There were thunderstorms at Birr Castle, Ireland, and Benson (Oxon). From 10 to 11 hours of sunshine were recorded in the Southwestern districts, while in other districts the amount varied from almost nil in the North of Scotland to 7 or 8 hours in England NW and SE. Temperature remained on the whole low for the season.

## The Conditions at 7h today.

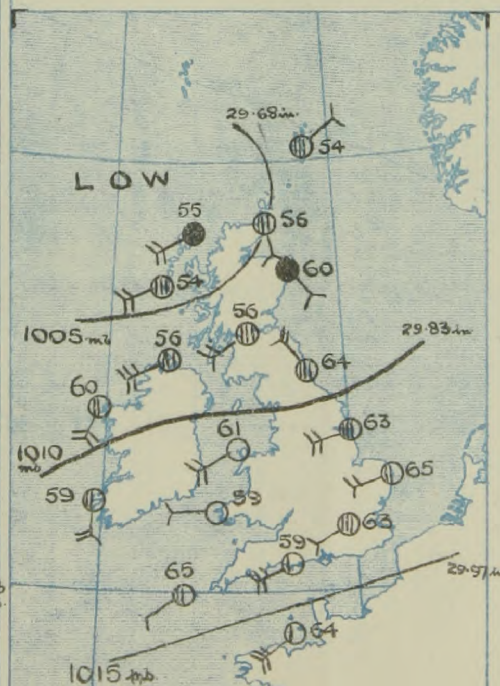
The depression to the north of Scotland has not appreciably changed its position, but pressure has risen generally over the British Isles and continues to do so. Except in the extreme North winds are generally westerly, moderate to fresh. Rain is falling at Stornoway and at Flushing, but weather is generally fair.

An anticyclone of but slight intensity lies to the Southwest of the Iberian Peninsula.

## The Outlook.

Moderate or fresh westerly winds and generally fair weather with local showers are indicated. The depression in the North will probably fill up and disappear from the map, but the development of a fresh centre near Skudeensnes is likely as a result of the pronounced fall in that region.

C.S.B.

Saturday, 13<sup>th</sup> JULY, 1918, at 13h. (1p.m.) G.M.T.

The wind has freshened from S in the South of Ireland and the barometer shows a tendency to fall. The arrival of a fresh disturbance on our Western Coasts is not improbable.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 194

SATURDAY  
13<sup>TH</sup> JULY.

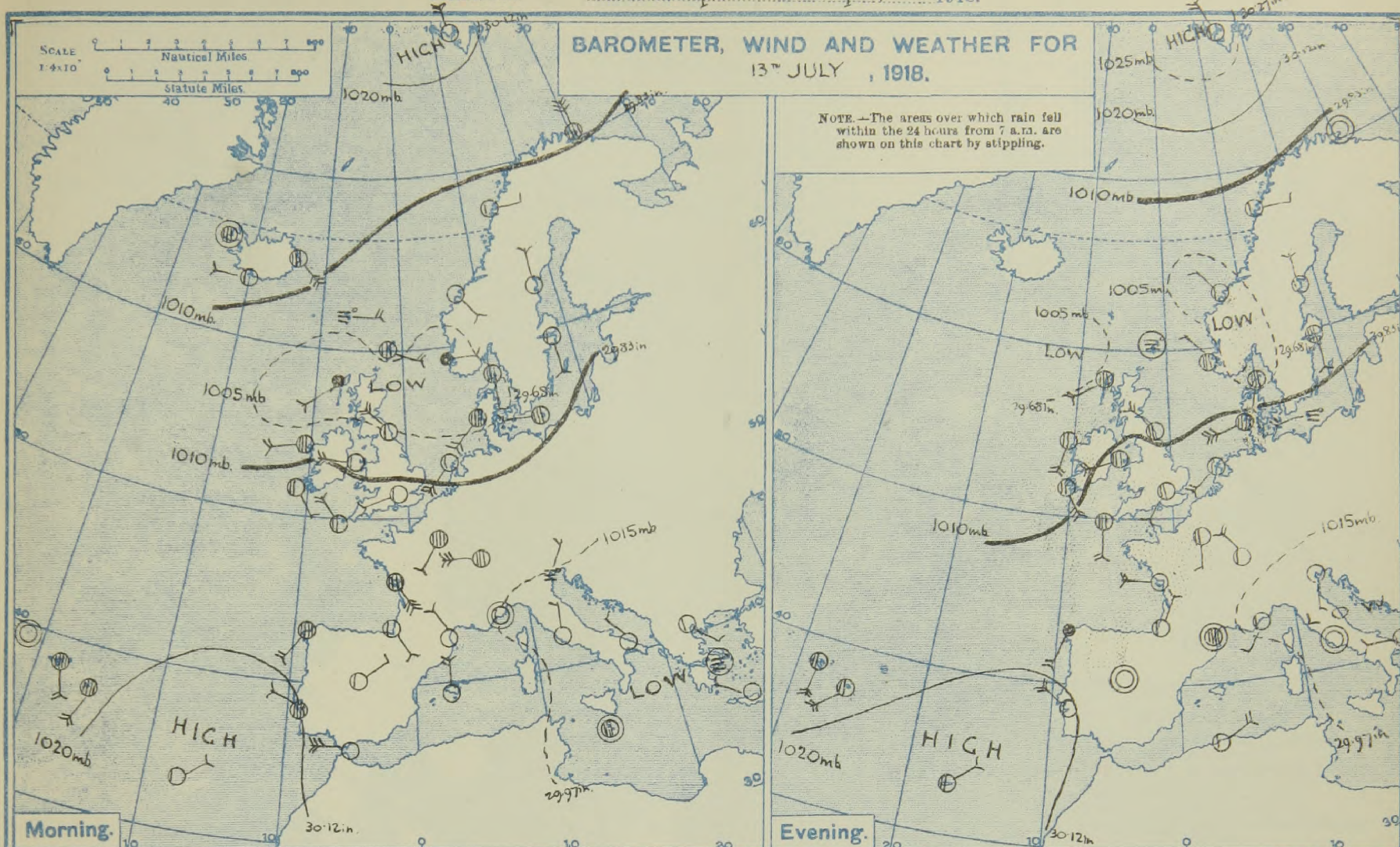
STATIONS.		EVENING OF 12 <sup>TH</sup>					MORNING OF 13 <sup>TH</sup>										24 HOURS ENDED 7 h. 13 <sup>TH</sup>					Sun- shine for 12 <sup>TH</sup> Hours.
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer.		Temp.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	Temp.		WEATHER.			
				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.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1001.6	53	SE	5	bcm.	1005.4	+	52	+3	ESE	3	SE	c	2	0.1	56	45	om	bcm.	c	
	Deerness (Orkney)	997.9	53	ESE	4	o2	1000.4	*	52	+3	SE	3	SE	c	2	1	56	49	no.c.	c.o.	om.o.c.	6.5
	Stornoway	995.6	52	WNW	4	o1	1001.3	+2	51	+1	SW	2	-	r	1	14	53	49	omg.	om.	o.c.d.	0.1
	Castlebay (Barra Isd.)	999.2	54	SSE	4	o1	1003.0	+3	53	0	WNW	3	-	o	3	2	55	50	n.oh.	o1.	o1.c.d.	1.1
	Glasgow	1000.6	53	W	3	og	1005.8	+3	52	+1	WSW	3	W	c	*	1	60	50	22.p	o.c.og	o.c.b.c.	1.6
	Eskdalemuir	999.4	57	WNW	4	c	1006.5	+3	52	+3	SW	4	NW	omw	*	0.4	61	45	om.c.v	o1.c.	om.c.m	4.6
	Malin Head	1001.5	56	NW	4	c.m.g	1005.3	+2	54	0	WSW	5	W	cq	5	0.3	58	50	c.	om.g	c.v	7.5
	Blacksod Point	1005.6	56	NNW	3	bc	1008.5	+1	54	+3	WSW	3	W	cq	3	-	59	50	bc.	bc.	bc.m.c.	*
	Valencia (Cahirciveen)	1007.6	59	W	3	bc	1011.6	+1	54	+1	SE	1	SW	bc	3	1	60	51	c.d.p.	c.b.	c.b.c.	11.0
	Roche's Point	1005.7	61	W	4	bc.	1012.0	*	54	+2	-	0	W	bc	1	2	62	49	ch.	ch.b.c.	b.b.b.c.	*
	Birr Castle	1003.4	62	SW	1	c	1010.4	*	53	-1	NW	1	-	bc	*	1	63	46	c.o1.	ch.	c.b.	5.3
	Donaghadee	1001.8	55	N	3	bcm	1007.8	+4	53	+2	WSW	2	W	cm	1	1	59	46	bcm.	bcm.	bcm.c.m	*
	Liverpool (Bidston)	1001.3	59	W	4	b	1009.1	+4	55	0	WSW	3	NW	b	2	0.2	60	51	bc.	bc.b.	bc.	7.3
	Holyhead	1002.2	58	WSW	4	bc	1009.0	+3	55	0	W	4	-	bz	3	-	61	51	c.b.c.	b.b.c.	c.b.	8.1
	Pembroke (St. Ann's)	1004.7	58	WSW	3	bc.	1011.5	+5	56	+4	W	2	W	b	2	-	58	52	c.v.b.c.	bc.	c.b.	10.1
	Hartland Quay	1007.0	59	WSW	7	ch.q	1012.8	+4	58	+1	WSW	4	-	c	5	1	59	57	ch.q	ch.q	c.o.c.	*
	Scilly (St. Mary's)	1009.6	59	WNW	5	c	1013.5	+2	58	+3	NW	3	W	bc	4	2	67	52	cq	cq	cq.b.c.	9.6
	Falmouth	1008.4	61	WSW	6	bcq	1013.5	+3	55	-1	SW	2	-	bc	*	1	64	51	cq	cq	b	10.8
	Jersey (St. Aubin)	1010.5	61	W	5	b	1015.0	*	58	-2	WSW	4	SW	bc	4	2	64	55	ch.b.c.	b.b.c.	b.b.c.	10.5
	Portland Bill	1005.0	58	WSW	6	bcq	1011.9	+2	57	+1	W	4	W	bc	4	1	59	55	bcq	cq	b.b.c.	*
	Dungeness	1005.3	60	SW	8	bcq	1011.9	+3	59	+1	WSW	4	W	bc	4	2	63	56	cq	ch.q	cq.b.c.	*
Wick	995.3	52	SSW	3	og	1002.5	+3	52	+2	S	1	-	og	2	1	56	49	omg	og	om.f	*	
Nairn	997.8	53	-	0	og	1002.6	*	55	+7	SE	1	-	bcg	1	2	57	47	cd.	d.c.	cdg	0.0	
Aberdeen	999.2	57	SSW	2	c	1003.2	+3	55	0	W	2	W	c	2	-	59	49	bcm.c.m	c.o.c.	c.o.c.	4.0	
Leith	998.1	58	WNW	2	o	1004.5	+1	54	+2	W	3	W	c	3	-	62	50	c.o.c.	om.g.	o.c.b.c.	*	
Tynemouth	997.9	60	SE	1	f	1005.3	+2	55	+2	NW	4	-	bm	3	1	65	48	omg	omf	bm.g	*	
Spurn Head	999.0	54	W	6	og	1008.5	+3	54	0	WNW	5	-	b	5	5	62	50	cq	ch.q	bc	2.6	
Yarmouth (Gorleston)	1001.6	60	WSW	4	b.c.h	1008.6	+3	54	-3	WNW	4	-	b	3	9	67	48	bcq	bcq	c.b.b.c.	7.1	
Clacton-on-Sea	1003.9	58	WSW	5	cu	1011.2	+4	57	-1	WSW	3	W	bcm	2	3	65	51	ogq	cq	ch.b.c.	4.5	
Nottingham	1001.3	56	WSW	2	o	1008.8	*	53	-3	WSW	2	SW	bm	*	2	61	47	ch.	c.o1.	ch.b.c.	2.5	
Benson (Oxon.)	1003.9	54	W	1	bc	1010.9	+4	57	+2	WSW	2	-	b	*	4	65	45	om.c.	ch.	b	*	
Sth Farnborough	1004.6	58	WSW	6	o	1012.4	+5	57	+1	W	4	NW	c	*	3	65	49	ch.b.c.	om.c.	o.b.b.c.	6.9	
Salisbury Plain	1004.6	60	SW	4	c	1012.2	+3	55	-2	SW	3	SW	c	*	3	60	48	-	ch	b.b.c.	*	
London (Kew Obs.)	1004.7	61	SW	2	bc	1012.1	+4	57	0	WSW	2	W	b	*	2	64	51	omf	c.v.ch	b.b.b.c.	5.9	
NORTHERN EUROPE.	Spitsbergen	1024.3	50	N	4	b	1023.8	0	46	+1	N	5	*	b	*	*	50	41				
	Vardö	1011.0	45	NW	7	o	1012.4	0	45	0	N	6	-	o	5	*	46	43				
	Bodö	1008.4	64	-	0	b	1007.2	0	66	-2	E	1	-	b	1	-	70	54				
	Christiansund	1011.1	66	-	0	b	1006.2	-1	61	-2	SE	2	-	b	1	-	68	55				
	Skudesnaes	1006.2	57	-	0	o	1001.5	-7	57	0	E	2	-	r	3	1	59	48				
	Færder (Xtania Fjord)					o	1005.1	-2	57	-2	ESE	4	-	r	2	Trace	63	57				
	The Scaw (Skagen)	1007.0	59	E	2	c	1004.6	-1	59	0	S	1	S	c	1	2	63	55				
	Blaavands Huk	1007.0	63	S	1	o	1003.5	+1	55	-6	SW	4	-	o	*	2	60	52				
	Copenhagen	1010.4	64	S	3	c	1008.4	+1	61	0	SW	3	-	c	*	1	68	59				
	Bornholm	1011.4	68	NE	2	m	1007.4	-2	59	-4	W	2	-	c	1	1	70	54				
FRANCE, &c.	The Helder	1003.4	63	SSW	6	c	1008.3	+4	57	-2	SW	4	-	b	3	2	66	55				
	C. Gris Nez	1007.5	59	SW	6	c	1013.1	+4	57	-2	SW	6	*	bc	5	2	61	55				
	La Hève	1009.5	63	WSW	5	b	1015.9	*	57		WSW	6	*	b	4	2	64	55				
	Brest (St. Mathieu)	1013.6	61	W	5	b	1016.2	+2	57	0	SW	3	*	o	3	Trace	63	55				
	Rochefort (Ile d'Aix)	1021.5	63	WSW	5	o	1016.4	+1	63	0	WSW	4	*	o	*	-	70	59				
	Biarritz	1019.2	72	WSW	2	b	1019.1	0	66	0	SE	2	*	b	4	-	75	57				
	Paris	1011.2	68	WSW	2	b	1017.2	+3	59	0	SSW	2	-	o	*	2	72	52				
	Belfort	1012.0	71	W	3	b	1019.6	*	59	-2	W	5	*	c	*	-	73	57				
	Lyons	1014.0	77	S	1	b	1019.5	*	61	-3	-	0	*	b	*	-	81	55				
	Nice	1013.8	72	WSW	1	b	1015.0	+2	70	+2	-	0	*	b	*	-	81	61				
IBERIA, &c.	Perpignan	1015.5	77	SW	1	b	1018.4	+1	72	+6	NW	2	-	b	*	-	82	63				
	Sanguinaire	1013.8	77	NW	3	m	1015.6	*	75	-2	ESE	2	*	m	2	-	84	66				
	Corunna	1020.2	66	NW	5	b	1018.6	0	64	-4	SW	3	-	o	2	-	70	61				
	Madrid																					
	Lisbon	1019.8	70	NW	4	b	1020.7	+1	66	+3	WNW	2	-	o	2	-	75	63				
	Azores (Horta)	1016.7	*	S	4	m	1017.5	+1	68	0	SSE	3	*	o	0	-	75	70				
	„ (P. Delgada)	1019.1	*	SSW	3	bc	1018.7	+1	68	0	SW	4	*	o	4	-	73	68				
	Madreia	1022.6	72	NE	3	o	1023.6	-1	61	-2	NE	2	-	b	2	-	75	61				
	Gibraltar	1015.9	72	WNW	5	b	1015.9	*	67	+1	W	5	*	b	2	-	83	65				
	Palma																	</				



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20688

Sunday, 14<sup>th</sup> July 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 13<sup>th</sup> JULY

STATIONS.		EVENING OF...12 <sup>TH</sup> ...					MORNING OF...13 <sup>TH</sup> ...										MORNING OF...13 <sup>TH</sup> ...								
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.			
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Max.	Min.			Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.				
		° F.							° F.	° F.				° F.	° F.			° F.	° F.						
RUSSIA.	Archangel ...													*	*		Isafjord ...	1016.8	52	+2	-	0	c		
	Petrograd ...																Reykjavik	1013.5	54	+4	-	0	b		
	Moscow ...														*	*		Vestmanna	1012.2	52	+2	W	2	b	
SWEDEN.	Hernösand ...	1010.4	63	-	0	b	1007.8	*	66		MMW	2	b	*	*	*	Seydisfjord	1013.0	41	-9	SE	6	c		
	Stockholm ...	1011.5	57	MMW	2	r	1009.8	*	70		SSE	2	b	*	*	*	Thorshavn	1006.0	51	-1	E	3	m		
	Wisby ...	1011.5	57	MMW	2	r	1009.8	*	70		SSE	2	b	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM								
	Wisby ...	1012.6	59	MMW	2	bc	1009.9	*	70		M	4	b	*	*	*									
ITALY.	Venice ...	1013.0	73	-	0	b	1015.0	*	77	+7	-	0	m	-	79	70	14 <sup>TH</sup> AND 15 <sup>TH</sup> JULY 1918.						Sunrise.	Noon.	Sunset.
	Turin ...	1014.3	72	-	0	c	1015.3	*	72	+4	-	0	bc	-	81	63							G.M.T.	G.M.T.	G.M.T.
	Pesaro ...	1013.9	72	-	0	b	1014.0	*	74	-1	-	0	b	-	79	64	Yarmouth ...	3.47 3.48	11.59 11.59	8.10 8.9					
	Leghorn ...																Greenwich ...	4.0 4.2	12.6 12.6	8.11 8.10					
	Rome ...	1013.9	77	-	0	b	1014.7	*	65	-10	M	1	b	-	88	64	Wick ...	3.29 3.41	12.18 12.18	9.6 9.4					
	Viesti ...	1012.9	75	-	0	b	1014.6	*	75	-2	NW	2	b	-	82	66	Valencia ...	4.38 4.39	12.47 12.47	8.55 8.54					
	Brindisi ...	1012.7	75	W	2	b	1013.9	*	73	+1	MMW	1	b	-	81	72									
	Cagliari ...																								
	Palermo ...																								
	Tripoli ...																								

LONDON		HUMIDITY.		Sun-shine for 12 h.	TEMPERATURE.				Rain-fall.	WEATHER.		
		15 h.	9 h.		Max.	Min.	Min. on Grass.			Morning.	Afternoon.	Night.
14 <sup>th</sup> JULY 9h. G.M.T.		13 <sup>th</sup>	14 <sup>th</sup>	13 <sup>th</sup>								
GREENWICH (Royal Observatory)		70	95	9.8	72	47	36	6.1	0.0	0.0	bc	
CITY (Bunhill Row)		*	*	9.5	*	*	*	*	*	*	*	
WESTMINSTER (St. James' Park)		69	94	9.3	67	57	54	5.1	*	*	*	
" (Roof near Charing Cross)		58	85	9.9	68	53	*	?	bc.c	c.r.	*	
CAMDEN SQ. (British Rainfall)		53	93	7.3	72	48	46	7.1	bc	bc.or.	*	
KENSINGTON PALACE		?	97	10.7	69	47	37	5.2	0	or.	*	

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

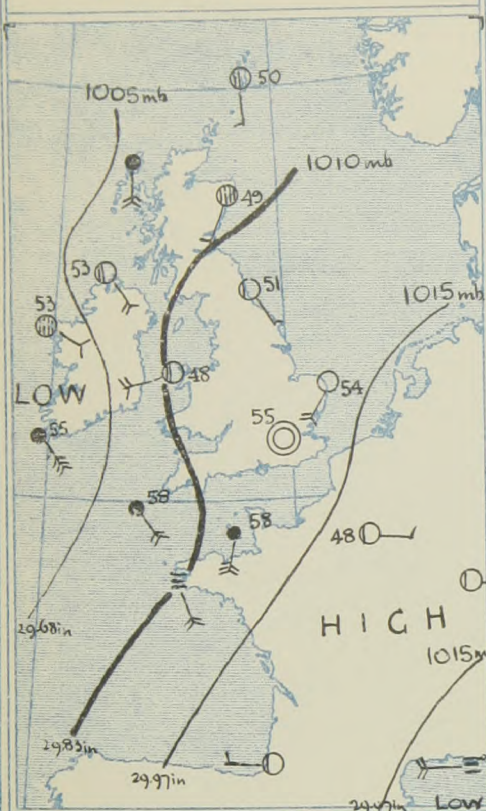
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 13 <sup>th</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1640	281	825

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 Meteorological Office.



14<sup>th</sup>, JULY, at 1h. G.M.T.

THE MORNING OF SUNDAY, 14<sup>th</sup>, JULY 1918, at 7h. G.M.T.



**EXPLANATION.**

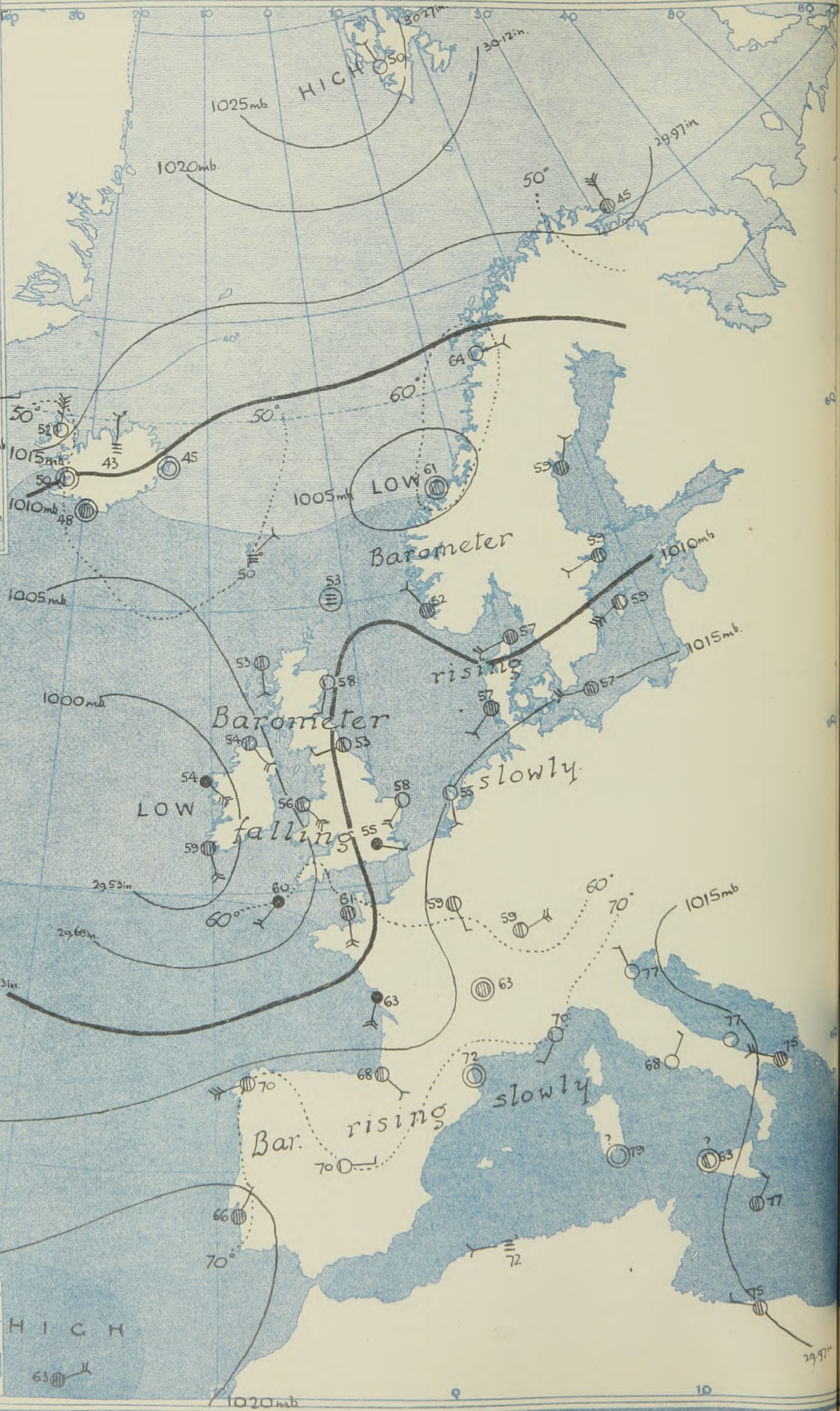
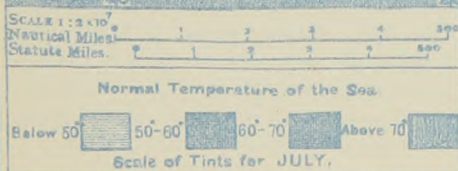
**BAROMETER.**—Isobars are drawn for intervals of five millibars.

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

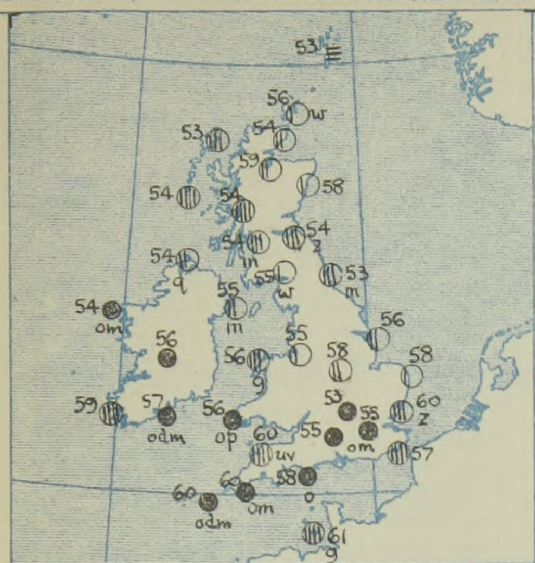
**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

**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. Higher.







GALES.

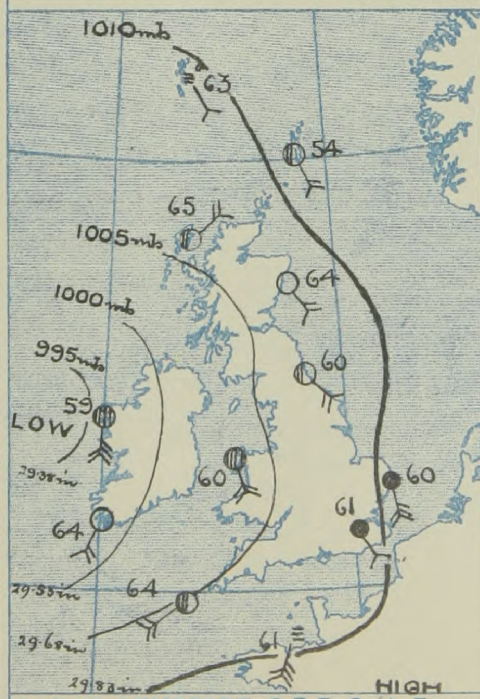
Notes on the Weather of the 24 hours ended 7h to-day

Rainfall was mainly confined to the western and southern districts, the precipitation occurring mainly during the night or early this morning. Except in the northwest there was a notable increase in the amount of sunshine, 10 hours and upwards being recorded at many stations and as much as 14 hours at Yarmouth and Pembroke. Temperature rose to 70° F. inland in southern England.

The Conditions at 7h To-day.

The new depression to the west of Ireland (whose presence was suggested by yesterday's 1 p.m. reports from the south of Ireland) has developed considerable intensity. All but the east and north-east districts of the British Isles are affected and rain is falling south-west of a line drawn from Blacksed Point to London. Moderate to fresh winds from between S. and S.E. are blowing over England and Ireland. The barometer continues to fall in Ireland, southern and western England, the direction of the depression being towards east. A shallow depression which developed over South-West Scandinavia yesterday is moving north-eastward and filling up. Pressure remains high in the neighbourhood of Madeira, and no material change has occurred in the Mediterranean area.

SUNDAY, 14<sup>th</sup> JULY, 1918, at 13h. (1p.m.) G.M.T.



The centre of the depression would appear to be near Blacksed Point. The barometer has begun to rise on the south-west coasts. Rain is falling generally over East and South-East England.



STATIONS.	EVENING OF 12 <sup>TH</sup>					MORNING OF 14 <sup>TH</sup>										24 HOURS ENDED 7 P.M. 14 <sup>TH</sup>					Sun- shine for 13 <sup>TH</sup> Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1007.4	54	-	0	m	1009.6	+2	53	+1	-	0	-	g	0	-	56	47	cm	cm	bc	
	Deerness (Orkney)	1006.4	55	SE	2	bc	1008.4	0	56	+4	ESE	2	SW	bc	1	-	57	50	c. bc	bc	bc. bc	10.7
	Stornoway	1005.2	55	SW	3	c. dp	1006.9	+1	53	+2	S	2	-	c	1	0	57	51	odp	a. c. dp	c. o. cp	1.1
	Castletown (Barnard)	1006.8	54	WSW	4	op.	1005.7	0	54	+1	ESE	5	-	0	5	2	56	52	op. am	om. op.	op. o	1.8
	Glasgow	1009.5	57	WSW	2	c	1008.9	-1	54	+2	E	1	SW	cm	0.4	0.4	58	46	c. od. pc	c. o. c	cm	1.6
	Esksdalemuir	1010.0	56	SW	4	0	1009.4	-1	55	+3	-	0	SW	bc	0	0	60	40	o. oy	oy. c. o	om. c. o	4.0
	Malin Head	1008.2	59	W	3	bc. q.	1004.1	-3	54	0	SE	3	S	bc	3	-	60	52	bc. q.	bc. q.	cm. q.	4.5
	Blacksod Point	1007.5	58	SSW	4	bc	998.7	-8	54	0	ESE	5	-	om	4	5	61	59	bc	bc	bc. r	
	Valencia (Cahirveen)	1008.5	60	SE	5	bc	997.4	-2	59	+5	SSE	4	-	0	4	9	64	54	bc	bc. c	op. r	9.7
	Roche's Point	1011.0	59	S	2	c.	1000.2	0	57	+3	SE	3	-	dm	3	5	62	53	bc	bc. c	cordm	
NORTHERN EUROPE.	Birr Castle	1009.3	63	S	1	c	1000.5	0	66	+3	SE	1	-	r	0	4	65	52	og. c.	cp	c. or	5.2
	Donaghadee	1009.8	61	W	2	bc	1007.2	-2	55	+2	S	3	S	bc. m	2	-	63	51	cm	cm.	cm.	
	Liverpool (Biston)	1011.7	61	WNW	2	c	1007.8	-2	55	0	ESE	3	-	b	2	-	64	50	bc	bc	bc	11.6
	Holyhead	1011.6	58	WSW	4	cg	1005.6	-4	56	+1	SE	5	S	cg	2	-	62	50	bc	b. bc. c	b. bc. c	11.3
	Pembroke (St. Ann's)	1013.2	59	SW	2	b.	1004.4	-4	56	0	S	4	-	op	3	1	61	53	b.	b.	bc. r	14.2
	Hartland Quay	1013.4	60	SSW	3	b	1004.0	-5	60	+2	SSE	3	-	dm.	3	-	61	54	c. b	b.	bc. o	
	Scilly (St. Mary's)	1013.0	61	S	3	c	1004.3	0	60	+2	SW	3	SW	odm.	5	4	66	56	bc.	bc. c	om. r. cp	12.0
	Falmouth	1013.4	61	SSE	2	bz	1004.8	-2	60	+5	S	1	-	om	0	2	68	55	bc	bc. bz	odm	10.5
	Jersey (St. Aubin)	1016.1	63	ESE	2	b	1008.4	0	61	+3	S	4	-	og	3	11	66	58	bc. b	b.	og	10.3
	Portland Bill	1014.0	59	WSW	4	b.	1006.7	-4	58	+1	S	5	-	or	4	13	60	55	bc. b	b.	or	
FRANCE, &c.	Dungeness	1014.5	61	SW	4	b.	1012.2	-1	57	-2	SSW	3	-	0	3	-	64	56	bc	bc. b	c. b. o	
	Wick	1005.9	54	S	2	c	1008.3	+1	54	+2	S	1	-	bc	2	-	56	49	og. ct	ct. p.	o. bc	
	Nairn	1006.4	59	SW	2	c	1007.8	0	59	+4	-	0	-	bc	0	0	65	44	bc. q.	g. c. bc	cg. w	7.0
	Aberdeen	1006.8	63	SW	3	bc. q.	1009.4	+1	58	+3	SSW	1	W	b	2	0	63	47	bc. c. op	op. bc. q.	bc. b	7.8
	Leith	1006.3	59	WNW	2	bc	1008.8	0	54	0	NE	1	SW	0	2	-	63	48	c. bc. q.	c. bc. q.	bc. bc	
	Tynemouth	1009.6	64	NW	3	bc. m	1010.5	-1	53	-2	WSW	1	S	m	2	-	67	48	bc. m.	bc. m.	bc. m.	
	Spurn Head	1011.4	62	WNW	3	bc. m	1011.5	0	56	+2	S	3	-	bc	3	-	66	52	cg. m	bc. m.	bc. m.	7.7
	Yarmouth (Gorleston)	1012.4	62	SW	3	b.	1012.7	0	58	+4	SW	3	-	b	2	-	69	51	b. bc	bc	b. bc	13.9
	Clacton-on-Sea	1013.8	62	SW	3	c	1012.6	-1	60	+3	SSE	3	-	0	2	-	69	54	bc	bc. cp. c	c. bc. c	7.9
	Nottingham	1011.5	66	W	2	c	1010.3	0	58	+5	S	2	S	bc. v.	0	-	71	48	bc	bc. c	c	10.0
IBERIA, &c.	Benson (Oson)	1013.3	63	SW	2	c	1010.6	-3	53	-4	SE	3	-	r	0	1	71	44	bc	c.	c. r.	
	St. Farnborough	1014.0	61	SW	4	of.	1010.6	-2	55	-2	E	3	-	r	0	3	70	49	c. bc. op	op. bc. op	op. bc. m	10.1
	Salisbury Plain	1014.0	59	SSE	1	r.	1008.2	-4	55	0	SE	2	-	or	0	7	65	48	or	c.	or	
	London (Kew Obsy.)	1012.7	65	SW	2	bc	1011.1	-3	55	-2	ESE	1	-	om.	0	1	68	48	bc. op. bc. c.	c. op. bc. c.	bc. m	9.1
	Spitsbergen	1025.9	48	NW	3	b	1026.4	+1	50	+4	NW	2	0	b	0	0	50	41				
	Vardö	1016.2	0	45	0	N	5	0	0	0	0	0	0	5	0	48	41					
	Boðö	1007.5	64	E	1	b	1007.9	0	64	-2	E	2	-	b	1	-	70	59				
	Christiansund	1002.8	64	NE	1	b	1004.0	+2	61	0	-	0	-	c	1	-	66	55				
	Skudesnaes	1006.8	57	WNW	1	c	1009.9	+2	52	-5	NW	2	-	0	2	8	61	52				
	Færder (X'lantia Fjord)	1003.8	57	SSW	2	c	1006.5	+1	57	0	WSW	1	NW	c	2	7	59	54				
MEDITERRANEAN.	The Scau (Skagen)	1004.2	57	SSW	2	c	1008.4	+3	57	-2	WSW	3	-	0	3	6	61	52				
	Blaavands Huk	1010.3	57	WSW	6	0	1014.2	+3	57	+2	WSW	2	-	0	0	1	59	52				
	Copenhagen	1010.8	61	WSW	4	bc	1014.2	+1	61	0	WSW	6	-	bc	0	0	66	54				
	Bornholm	1012.4	59	WSW	3	m	1015.0	+1	57	-2	W	3	SW	c	1	-	64	54				
	The Helder	1014.3	61	SW	3	b	1014.7	+1	55	-2	S	2	SW	b	1	-	63	48				
	C. Gris Nez	1009.6	62	SW	4	b	1014.3	-2	60	+3	S	2	0	0	2	-	63	55				
	La Hève	1016.2	64	WNW	2	bc	1012.4	-1	57	0	ESE	4	0	r	0	2	70	55				
	Brest (St. Mathieu)	1014.6	59	NNE	4	0	1007.9	-1	59	+2	SSW	4	0	f	0	2	66	57				
	Rochefort (Ile d'Aix)	1017.4	63	W	3	0	1014.4	-2	63	0	?	4	0	r	0	4	75	59				
	Biarritz	1016.6	70	NNE	2	b																
MEDITERRANEAN.	Paris	1017.6	61	S	1	bc	1015.1	-1	59	0	SSE	1	-	c	0	3	70	48				
	Belfort	1016.6	68	NW	3	b	1018.6	0	59	0	ENE	4	0	c	0	-	73	50				
	Lyons	1016.4	73	NE	1	b	1017.0	0	63	+2	NNE	1	0	0	0	-	79	59				
	Nice	1014.0	70	SW	1	b	1016.0	+3	70	0	SW	1	0	b	0	-	81	61				
	Perpignan	1015.2	72	0	0	1016.0	+2	72	0	-	0	-	b	0	-	82	61					
	Sanguinaire	1015.1	77	NW	1	m																
	Corunna	1018.0	66	SSW	3	r	1016.6	+1	70	+6	SW	5	-	c	3	4	72	64				
	Madrid	1013.0	82	-	0	b	1017.9	+2	70	?	-	0	-	b	0	-	86	59				
	Lisbon	1020.4	73	NW	4	b	1020.2	0	66	0	NW	1	-	0	2	-	77	66				
	Azores (Horta)	1017.9	0	S	4	bc	1018.6	+1	66	-2	WSW	4	0	0	2	-	79	64				
MEDITERRANEAN.	" (P. Delgada)	1019.1	0	SW	4	bc	1016.6	0	68	0	NNW	2	0	c	3	-	73	68				
	Madeira	1023.2	70	NE	2	bc	1024.7	0	63	+2	NE	3	-	0	2	-	73	63				
	Gibraltar																					

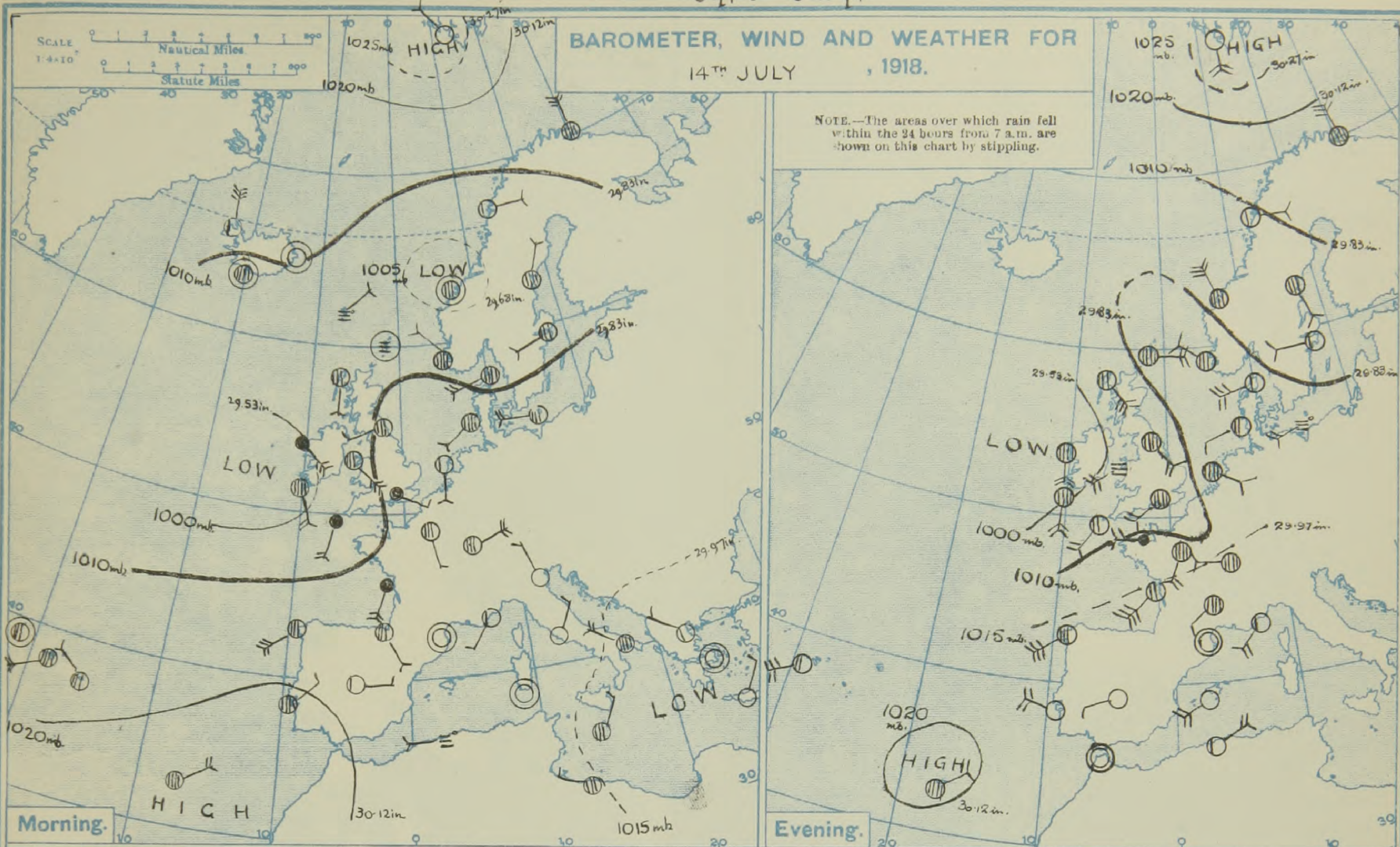


# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,689

Monday, 15<sup>th</sup> July, 1918.

## BAROMETER, WIND AND WEATHER FOR 14<sup>th</sup> JULY, 1918.



### WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 14<sup>th</sup> JULY

STATIONS.		EVENING OF... 13 <sup>TH</sup> ...					MORNING OF... 14 <sup>TH</sup> ...										MORNING OF... 14 <sup>TH</sup> ...							
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Wea ther.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weatha		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.	
		° F.						° F.	° F.					° F.	° F.			° F.	° F.					
RUSSIA.	Archangel ...																Isafjord ...	1016.9	52	0	n	7	b	
	Petrograd ...														*		Reykjavik	1009.5	50	-4	-	0	b	
	Moscow ...														*		Vestmanna	1009.1	48	-4	-	0	o	
SWEDEN.	Hernösand ...	1007.9	59	NNW	2	b	1006.8	*	59	-7	NNE	2	o	*	*	*	Seydisfjord	1011.2	46	+4	-	0	b	
	Stockholm ...	1007.6	64	SSE	2	c	1008.7	*	59	-11	ENE	2	c	*	*	*	Thorshavn	1007.7	55	+4	NE	2	m	
	Wisby ...	1009.2	64	NNE	4	b	1011.8	*	59	-11	NE	6	c	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
ITALY.	Venice ...						1015.3	*	77	0	NNW	1	b	-	82	72	15 <sup>TH</sup> AND 16 <sup>TH</sup> JULY 1918.					Sunrise.	Noon.	Sunset.
	Turin ...	1013.8	75	-	0	bc	1015.4	*	72	0	-	0	bc	-	82	64			G.M.T.	G.M.T.	G.M.T.			
	Pesaro ...	1014.2	73	-	0	b.	1015.5	*	79	+5	NW	1	b	-	81	64			3.48	11.59	8.9			
	Leghorn ...	1014.6	80	-	0	o.	1015.1	*	?	?	-	0	b	-	81	70			3.49	11.59	8.8			
	Rome ...	1014.7	70	SW	1	b.	1015.0	*	68	+3	NE	1	b	-	88	66								
	Viesti ...	1012.9	81	-	0	b	1015.4	*	77	+2	-	0	b	-	81	71								
	Brindisi ...	1013.3	75	NE	2	b.	1013.4	*	75	+2	NW	3	o	-	81	73								
	Cagliari ...						1016.3	*	79	?	SE	1	b	-	86	61								
	Palermo ...						1015.3	*	63	?	-	0	bc	-	84	66								
	Tripoli ...						1015.0	*	75	?	NW	1	c.	-	90	73								

LONDON		Humidity		Sun-shine for 14 <sup>th</sup>	24 HOURS ENDED 0 h. 15 <sup>th</sup>				WEATHER.		
		15 h.	9 h.		Max.	Min.	Min. on Grass.	Rain-fall.	Morning.	Afternoon.	Night.
15 <sup>th</sup> JULY 9h. G.M.T.		14 <sup>th</sup>	15 <sup>th</sup>	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)		92	86	1.2	69	57	52	1.0	or	ocl.	o
CITY (Bunhill Row)		*	*	0.4	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)		98	88	0.3	67	57	54	0.7	*	*	*
" (Roof near Charing Cross)		88	82	0.5	67	58	*	0.2	rom	b o c	*
CAMDEN SQ. (British Rainfall)		?	82	0.2	68	57	53	1.0	?	?	*
KENSINGTON PALACE		89	87	0.9	67	59	51	1.1	or	o	*

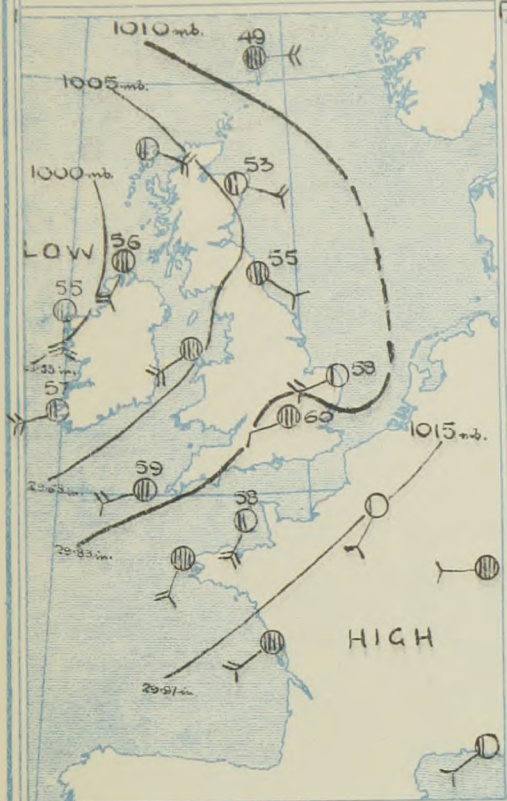
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 14 <sup>th</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
510	8.8	35
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 Meteorological Office.		



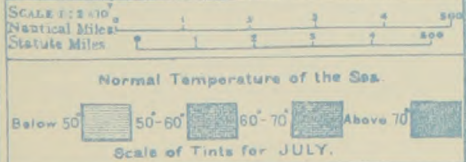
15<sup>TH</sup> JULY, at 1h. G.M.T.

THE MORNING OF MONDAY, 15<sup>TH</sup> JULY 1918, at 7h. G.M.T.

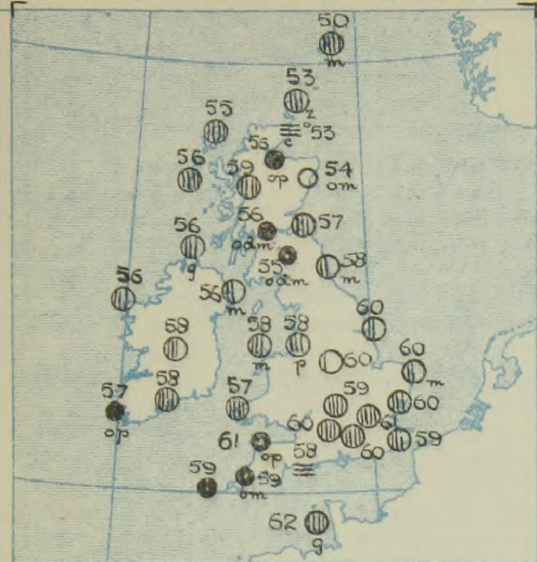


#### EXPLANATION.

**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.  
 ○ sky & clouded. ○ overcast sky. ● rain falling.  
 ✕ snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.  
**SEA DISTURBANCE.**—Rough High







## GALES.

## Notes on the Weather of the 24 hours ended 7h Today.

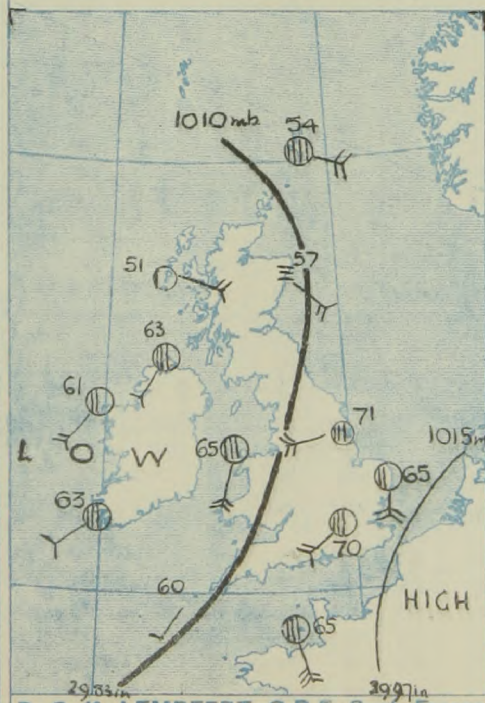
There was moderate rainfall in the form of showers in all districts, the greatest amount recorded being 22mm at Birr Castle; a thunderstorm was recorded at Nottingham. The weather was misty or foggy and very cloudy except in the North of Scotland, where 15.1 hours of bright sunshine were recorded at Deerness and 14.7 hours at Aberdeen. Low temperatures prevailed in spite of the general southerly winds (SE-SW).

## The Conditions at 7h Today

The depression off the west coast of Ireland has grown less deep, and has developed a large V-shaped secondary which at present lies over the North Sea; another secondary is indicated off the mouth of the Channel. There is an area of high pressure over Central Europe and another over Spitzbergen and North Cape. Over the British Isles the winds are mainly southerly (SE-SW) and the weather cloudy or dull with some rain, mist and fog.

## The Outlook.

The barometer is rising generally over these islands but is falling over Denmark, and the secondary over the North Sea may develop into an independent depression and move away eastward. The barometer is also steady or falling at the mouth of the Channel and this probably indicates that another secondary may shortly be expected in this quarter, accompanied by dull rainy weather.

MONDAY, 15<sup>th</sup>, JULY, 1918, at 13h. (1p.m.) G.M.T.

The barometer is continuing to rise in the western districts and the depression off the west of Ireland is much less deep. In the east and south the rise has almost ceased.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 196.

MONDAY  
15<sup>TH</sup> JULY

STATIONS.	EVENING OF 14 <sup>TH</sup>					MORNING OF 15 <sup>TH</sup>										24 HOURS ENDED 7 A.M. 15 <sup>TH</sup>					Sun- shine for 14 <sup>TH</sup> Hours.	
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	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.	Min.	Morning	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1011.4	51	E	4	o.	1013.1	0	50	-3	E	4	-	om	2	Trace	59	48	bc	cm	om	
	Deerness (Orkney)	1008.8	56	ESE	4	b.	1009.1	0	53	-3	ESE	5	SW	oz	4	-	61	52	b	b.	b. bc	15.1
	Stornoway	1003.2	64	ESE	5	bc	1004.2	+2	55	+2	SE	2	-	o	1	0.2	65	53	c. bc	bc	bc. op	11.6
	Castlebay (Barra Isd.)	1001.0	57	ENE	4	r.	1002.8	+2	56	+2	ESE	3	-	o	4	3	61	54	c. bc	c. or	r. or o	4.3
	Glasgow	1003.1	63	SE	4	o. w	1006.5	+3	56	+2	ESE	1	-	omd	6	71	53	c. bc. c	c. or	or. op	7.4	
	Eskdalemuir	1003.7	60	SE	5	oz	1007.0	+2	55	0	SSW	4	-	odm	4	4	67	52	bc	cyz. op	om. od	7.7
	Malin Head	997.6	57	S	4	cm. q	1002.7	+3	56	+2	SSW	3	SW	cy	2	5	60	53	om. q	om. q	cy	1.3
	Blacksod Point	996.2	60	S	4	om. q	1002.2	+5	56	+2	S	4	S	bc	4	3	61	53	om. r.	om. r.	cm. bc	
	Valencia (Cahirciveen)	999.7	61	S	4	o.	1004.7	+2	57	-2	SSE	2	-	op	3	4	65	55	op. r. p	c. o. bc. c	c. op	4.3
	Roche's Point	1002.0	60	SSW	3	cm.	1006.8	0	58	+1	SW	3	-	o	3	9	64	56	d. m. o. c	c. om. q	c. bc. o	
	Birr Castle	999.0	63	SSW	1	o	1005.4	0	58	+2	S	1	-	c	2	22	65	53	or.	o. r. o	o. c	0.0
	Donaghadee	1000.9	55	SE	5	om. q	1004.7	+4	56	+1	SW	2	SW	bc	1	8	60	53	bc. m. o	og. m. p	om. op	
	Liverpool (Bidston)	1002.8	61	ESE	3	o	1008.4	+3	58	+3	S	2	SW	c	2	4	64	54	o	o	bc. p	3.4
	Holyhead	1001.8	58	SW	4	cy	1007.4	+2	58	+2	SW	4	SW	cy	3	10	64	55	c. c. or.	o. or. f	c. f. m. c	0.0
	Pembroke (St. Ann's)	1004.7	59	SSW	4	cy	1009.1	+4	57	+1	S	3	-	o	3	5	61	56	op. q	o. op. d	c. bc. p	1.9
	Hartland Quay	1006.7	61	SSW	6	c	1010.5	+3	61	+1	SSW	4	-	op	4	0.1	64	60	d. p. m. o	bc. m. c	c. o	
	Scilly (St. Mary's)	1006.9	63	SW	3	bc.	1010.1	0	59	-1	S	2	S	r	3	1	65	57	omd. c	c. bc	c. om. r	5.2
	Falmouth	1007.3	63	WSW	5	bc. q	1010.8	+1	59	-1	S	1	-	or. q	3	12	66	58	od. m. p	cy. op. q	om	2.8
	Jersey (St. Aubin)	1010.1	64	W	3	gp	1013.8	0	62	+1	S	4	-	og	3	12	67	59	gp. or. q	gp. bc. q	bc. op. q	1.8
	Portland Bill	1007.3	60	WSW	5	bc.	1011.6	+1	58	0	WSW	3	-	S	3	0.4	60	56	od	og.	b. op	
	Dungeness	1008.7	60	SW	3	c.	1013.6	+2	59	+2	SW	3	SW	c	2	8	62	56	or.	or. c	c. f. c	
Wick	1007.7	55	SE	4	bc	1008.0	+1	53	-1	ESE	3	-	cm	4	1	57	52	bc.	bc.	bc. m. c		
Nairn	1004.5	66	E	4	bc	1005.5	0	56	-3	E	1	-	r	1	3	71	53	bc. c. bc	b. bc. q	bc. p. r	11.6	
Aberdeen	1008.0	58	ESE	4	b.	1007.5	+1	54	-4	SE	4	-	orm	3	4	64	54	by. b	b.	b. bc. or	14.7	
Leith	1003.3	64	E	2	o	1005.5	+1	57	+3	E	1	SW	c	2	3	71	53	oz. bc. c	c. u. c. o	oc. u. r		
Tynemouth	1005.9	56	SE	3	o.	1007.1	+2	58	+5	?	1	-	bc	2	0.4	62	53	bc. m	om. q	cm. bc. m		
Spurn Head	1007.3	58	SE	4	og. r.	1010.1	+2	60	+4	SW	3	-	bc	3	4	61	55	og. r.	og. r.	bc	0.5	
Yarmouth (Gorleston)	1008.7	58	SSE	6	r.	1011.2	+2	60	+2	WSW	4	-	bc. m	4	1	63	56	b. om. r.	om. q. r.	bc. m	5.0	
Clacton-on-Sea	1007.9	62	SSE	4	c	1013.1	+2	60	0	SW	3	W	c	2	1	62	50	og. r.	og. d. c.	c. bc. c	2.7	
Nottingham	1005.0	62	SSE	1	r.	1010.3	0	60	+2	SW	2	W	b	3	3	62	53	c. or.	d. o.	o. r. c	1.3	
Benson (Oxon.)	1005.9	66	SSW	3	c	1011.5	+3	59	+6	S	2	-	o	4	68	53	r. o	bc.	r. c. o			
Sth Farnborough	1007.3	64	SSW	5	o.	1012.8	+2	60	+5	SSW	3	-	o	3	3	68	55	or. or. m	orm. o	o. bc. c	1.0	
Salisbury Plain	1006.7	64	SW	3	bc	1012.2	+2	60	+5	S	2	-	o	6	67	54	od.	od. c. bc	c. o. bc			
London (Kew Obs.)	1007.4	66	SW	3	o	1013.1	+4	61	+6	SSW	1	-	o	3	68	55	orm. o	or. o	o. bc. c	0.3		
NORTHERN EUROPE.	Spitsbergen	1026.3	50	S	4	b.	1026.4	+1	48	-2	N	4	-	b	0	0	50	41				
	Vardö	1017.2	45	N	5	o	1018.3	0	41	?	N	5	-	m	5	0	48	41				
	Bodö	1009.2	63	E	2	b	1011.0	0	63	-1	E	2	-	b	1	1	68	63				
	Christiansund	1009.5	55	NW	5	o	1012.7	+1	54	-7	W	3	-	o	3	1	51	52				
	Skudesnaes	1012.3	52	WNW	2	c	1011.2	0	57	+5	NNE	2	-	b	1	1	57	48				
	Færder (X'ania Fjord)	1007.4	63	SW	2	b	1010.3	+2	59	+2	NNE	1	E	c	2	1	63	57				
	The Scaw (Skagen)	1010.0	57	WSW	5	b	1010.7	+1	61	+4	SE	2	-	b	2	1	61	50				
	Blaavands Huk	1014.3	64	WSW	1	bc	1011.1	-1	57	0	S	1	-	r	1	1	64	50				
	Copenhagen	1014.3	64	WSW	3	c	1013.0	-2	61	0	S	1	-	o	0	Trace	66	57				
	Bornholm	1015.5	59	SW	3	m	1014.2	-2	64	+7	S	2	-	c	0	0	64	57				
FRANCE, &c.	The Helder	1011.8	64	ESE	2	o	1011.8	+3	61	+6	SW	3	-	c	2	2	68	55				
	C. Gris Nez	1012.2	63	SW	3	r.	1015.0	+3	59	0	SW	3	-	o	0	9	64	55				
	La Hève	1011.5	66	NW	2	bc	1016.3	0	63	+6	SW	4	-	o	0	18	66	57				
	Brest (St. Mathieu)	1011.8	61	SW	3	bc	1012.8	-1	59	0	S	4	-	g	6	Trace	66	59				
	Rochefort (Ile d'Aix)	1015.0	64	SW	6	o	1016.2	0	64	+1	S	2	-	bc	0	20	64	63				
	Biarritz	1015.6	73	NE	2	b	1016.0	-1	70	?	S	1	-	b	0	0	84	64				
	Paris	1012.3	68	SSW	3	o	1017.8	+1	66	+7	SSW	2	-	c	0	1	72	57				
	Belfort	1015.8	68	W	2	o	1018.4	0	66	+7	W	3	-	bc	0	0	73	59				
	Lyons	1017.1	73	-	0	o	1019.5	0	68	+5	SW	1	-	b	0	0	79	59				
	Nice	1016.4	73	SW	3	b	1012.8	-1	68	-2	-	0	-	b	0	0	81	63				
Perpignan	1015.9	81	-	0	b	1018.4	+2	70	-2	E	1	-	o	0	0	84	64					
Sanguinaire	1017.9	77	NW	2	m	1018.6	0	77	?	E	2	-	m	2	0	86	68					
IBERIA, &c.	Corunna	1016.8	73	SW	6	c	1013.8	0	70	0	S	3	-	o	2	1	77	64				
	Madrid	1027.1	84	WSW	1	b	1016.8	+1	72	+1	-	0	-	b	0	0	86	61				
	Lisbon	1018.3	73	WNW	4	b	1016.4	-0	66	0	W	1	-	b	5	0	79	64				
	Azores (Horta)	1017.6	73	SW	5	bc	1016.7	0	67	+1	WNW	4	-	bc	2	2	75	64				
	„ (P. Delgada)	1017.1	73	WNW	3	o	1015.6	0	67	-1	-	0	-	b	2	1	73	67				
	Madeira	1020.7	70	NE	2	o	1019.8	-1	64	+1	N	td										

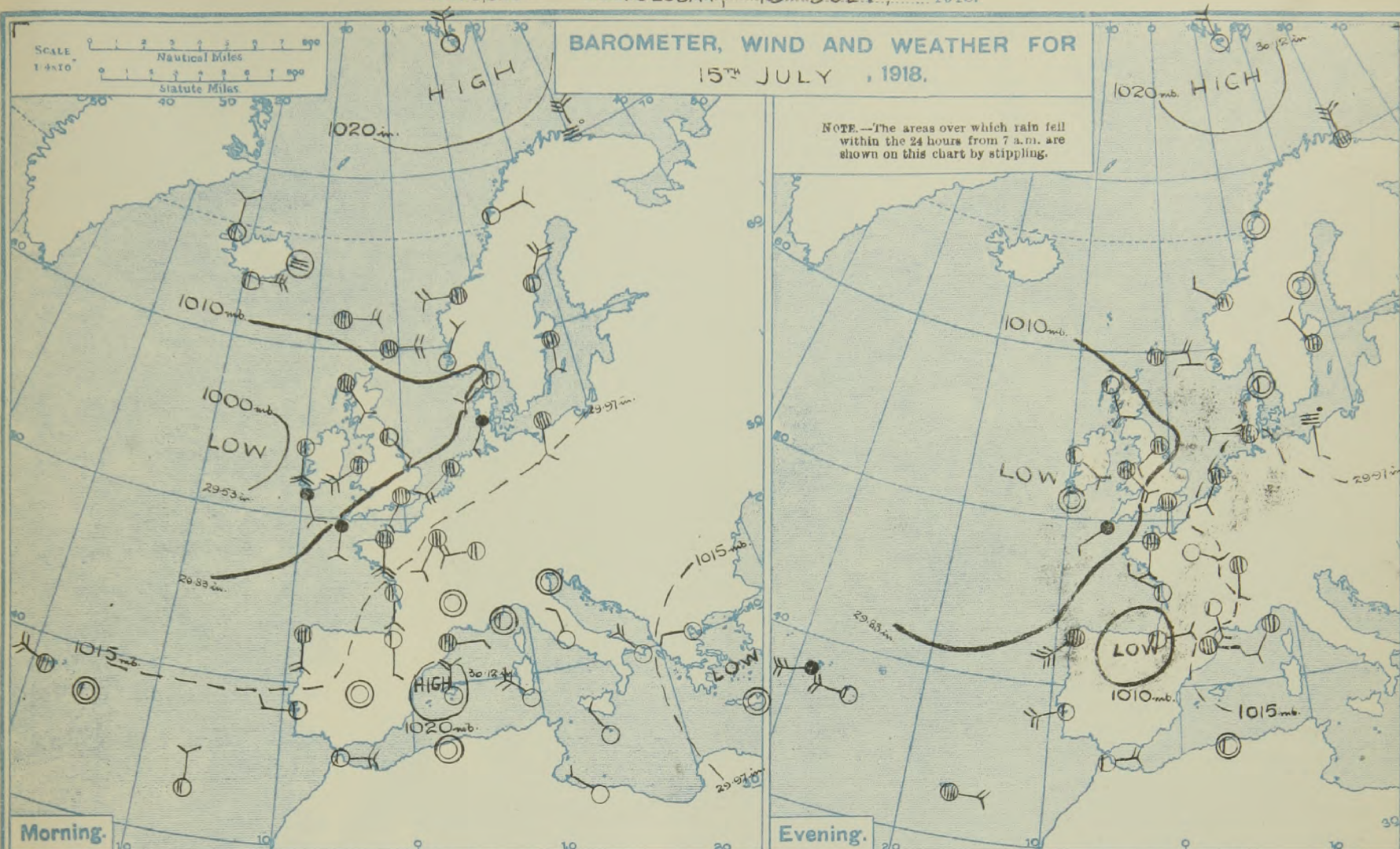


# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,690

TUESDAY, 16<sup>TH</sup> JULY, 1918.

## BAROMETER, WIND AND WEATHER FOR 15<sup>TH</sup> JULY, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 15<sup>TH</sup> JULY.

STATIONS.		EVENING OF 14 <sup>TH</sup>					MORNING OF 15 <sup>TH</sup>										MORNING OF 15 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours.	Direc.		Force 0-12.
		° F.						†	° F.					° F.	° F.			° F.	° F.				
RUSSIA.	Archangel ...													*	*								
	Petrograd ...													*	*								
	Moscow ...													*	*								
SWEDEN.	Hernösand ...	1007.9	59	SSE	2	c	1011.2	*	57	-2	SSW	4	c	*	*								
	Stockholm ...	1007.6	64	W	2	b	1009.9	*	61	+2	MMW	2	o	*	*								
	Wisby ...	1009.2	64	SW	2	b	1011.9	*	63	+4	SW	6	b	*	*								
ITALY.	Venice ...	1015.3	79	-	0	b	1017.5	*	79	+2	-	0	b	-	88	?							
	Turin ...						1018.6	*	75	+3	-	0	b	6	84	64							
	Pesaro ...						1018.9	*	79	0	-	0	b	-	84	?							
	Leghorn ...						1019.3	*	77	!	-	0	b	-	81	70							
	Rome ...	1016.6	77	W	1	b	1018.7	*	75	+7	N	1	b	-	88	68							
	Viesti ...	1015.8	73	NW	1	bc	1017.1	*	75	-2	NW	1	b	-	82	70							
	Brindisi ...	1015.4	73	NW	1	o	1015.4	*	75	0	NW	3	b	-	77	73							
	Cagliari ...						1018.9	*	77	-2	NW	4	b	-	86	61							
	Palermo ...						1019.0	*	75	-12	-	0	b	-	88	61							
	Tripoli ...						1020.3	*	73	-2	NW	1	b	-	82	70							
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																							
16 <sup>TH</sup> AND 17 <sup>TH</sup> JULY 1918.																	Sunrise.		Noon.		Sunset.		
																	G.M.T.		G.M.T.		G.M.T.		
																	3.49		11.59		8.8		
Yarmouth ...																	3.50		11.59		8.7		
																	4.3		12.6		8.9		
Greenwich ...																	4.4		12.6		8.8		
																	3.33		12.18		9.2		
Wick ...																	3.34		12.18		9.1		
																	4.40		12.47		8.53		
Valencia ...																	4.41		12.47		8.52		

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

16 <sup>TH</sup> AND 17 <sup>TH</sup> JULY 1918.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.49	11.59	8.8
Greenwich ...	3.50	11.59	8.7
Wick ...	4.3	12.6	8.9
Valencia ...	4.4	12.6	8.8
	3.33	12.18	9.2
	3.34	12.18	9.1
	4.40	12.47	8.53
	4.41	12.47	8.52

LONDON 16 <sup>TH</sup> JULY 9h. G.M.T.				24 HOURS ENDED 9h. 16 <sup>TH</sup>							
				TEMPERATURE.			Rain-fall. mm.	WEATHER.			
				Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.	
				°F.	°F.	°F.					
GREENWICH (Royal Observatory) ...	66	71	1.3	76	60	55	4.8	o	o	o	0.27.0
CITY (Bunhill Row) ...	*	*	0.6	*	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ...	76	77	0.8	70	63	54	13.4	*	*	*	*
" (Roof near Charing Cross) ...	65	72	0.6	70	63	*	13.1	amd.	o.c.op	*	*
CAMDEN SQ. (British Rainfall) ...	66	68	1.4	74	62	57	4.1	c	c	*	*
KENSINGTON PALACE ...	70	80	1.1	72	62	*	5.6	o	o	*	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

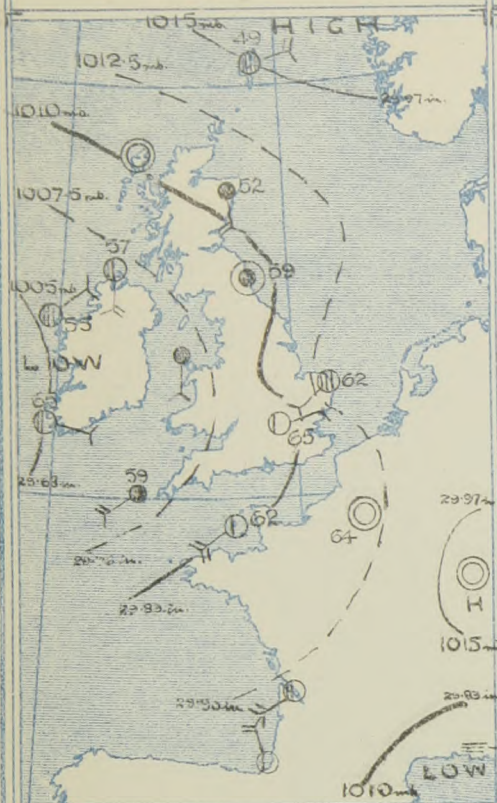
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 15 <sup>TH</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
800	137	72

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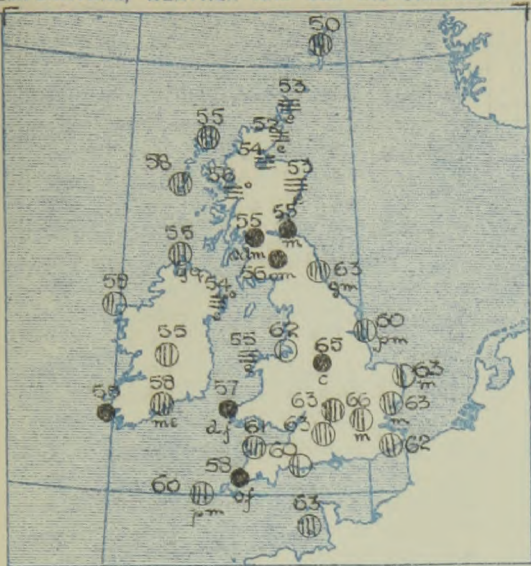


16<sup>th</sup>, JULY, at 1h. G.M.T.

THE MORNING OF TUESDAY, 16<sup>th</sup>, JULY 1918, at 7h. G.M.T.







## GALES.

## Notes on the Weather of the 24 hours ended 7h Today.

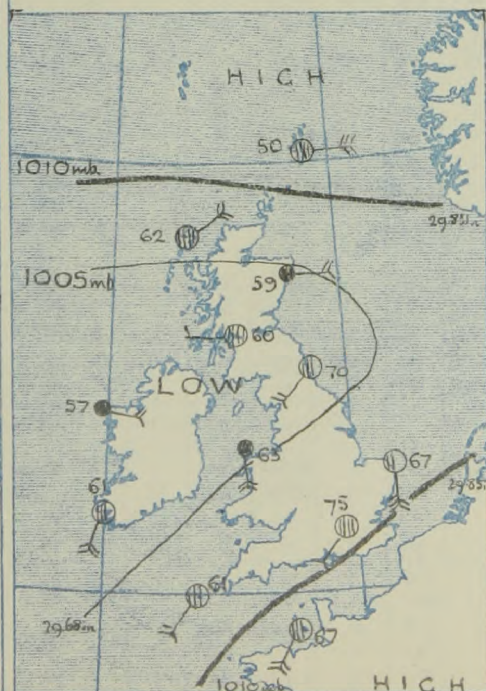
There was rainfall over the whole country yesterday except the extreme north of Scotland, and over the south-west of England the fall was heavy, reaching 25mm at Hartland Quay and 23mm at Scilly. Weather was changeable with thunderstorms in the south and south-east of England. The greatest amounts of sunshine were recorded in the west of Scotland, reaching 8.0 hours at Glasgow, the south-west of Ireland (Valencia 10.6 hours) and East Anglia (Yarmouth 9.4 hours). Temperatures were moderate with light winds between SE & S over England, but E'ly over Scotland and Ireland.

## The Conditions at 7h Today.

The depression off the west of Ireland has grown somewhat deeper and its centre is now south-west of Valencia. A large secondary lies with its axis across Northern England and the Skagerrak, and another is indicated off the mouth of the Channel. Areas of high pressure are over Spitzbergen, Central Europe and the Azores. Winds over these islands are generally S or SW, but are E'ly in Scotland and the west of Ireland, the weather is changeable with heavy showers, sometimes accompanied by thunder.

## The Outlook.

The barometer is falling in Scotland, S and SW of Ireland, and in Holland; these changes appear to be associated with the movement of secondary depressions north-eastwards, with perhaps the deepening of the main depression. Over England the changes are slight and irregular, and the weather appears likely to remain changeable with heavy showers and some thunder.

TUESDAY, 16<sup>th</sup>, JULY, 1918, at 13h. (1p.m.) G.M.T.

The barometer has ceased falling in the south-western districts and is again rising at Valencia; the fall over Scotland is however continuing and the secondary depression over northern England this morning now lies over Scotland, and heavy rain has been recorded at Aberdeen.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 197.

TUESDAY  
16<sup>TH</sup> JULY.

STATIONS.		EVENING OF 15 <sup>TH</sup>					MORNING OF 16 <sup>TH</sup>										24 HOURS ENDED 7 h. 16 <sup>TH</sup>										Sun- shine for 15 <sup>TH</sup> Hours.
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.								
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.						
BRITISH ISLANDS.	Lerwick	1014.5	51	E	3	o	1014.6	-1	50	0	E	4	-	o	2	-	54	48	o	o	o	o					
	Deerness (Orkney)	1011.5	54	E	4	m	1011.2	-	53	0	E	4	-	Sc	3	-	57	51	c. om	om	om	Sc					
	Stornoway	1009.1	59	SSE	2	b	1008.0	-3	55	0	NE	4	-	o	3	3	62	49	or. c	c. b	or	or					
	Castlebay (Barra Isd.)	1008.6	59	S	4	bc	1005.9	-1	58	+2	NE	4	-	o	4	-	60	55	o. bc. o. b	bc.	bc. o	bc. o					
	Glasgow	1009.5	66	WSW	2	c	1005.6	-3	55	-1	ENE	3	-	omd	*	5	70	54	or. c. bc	bc. b. bc	c. op. or	or					
	Eskdalemuir	1010.1	61	SSW	3	bc. v.	1004.1	-4	56	+1	N	3	-	orm	*	10	65	adm. c. o	o. c. bc. v.	bc. c. or	bc. c. or						
	Malin Head	1007.3	59	E	1	or.	1004.2	-1	55	-1	E	3	SE	cg. q.	2	1	64	54	bc.	bc.	cg. q.	cg. q.					
	Blacksod Point	1006.6	61	SW	2	bc	1002.4	-3	58	+2	E	1	SE	bc	2	-	67	54	bc.	bc.	bc. bc	bc. bc					
	Valencia (Cahiriveen)	1006.1	64	-	0	b	1000.0	-4	55	-2	ENE	5	-	r	4	5	64	49	o. bc	c. bc. y	b. or	b. or					
	Roche's Point	1007.3	59	S	2	o	1002.0	-	58	0	SE	3	-	om	3	1	65	56	o. c.	c. o	o. c. b. d	o. c.					
	Birr Castle	1005.0	61	W	1	o	1003.7	-	55	-3	S	1	-	c	*	2	68	52	o. c.	cp. o	o. c	o. c					
	Donaghadee	1008.4	60	SSE	2	cm.	1004.8	-2	54	-2	NW	2	-	om	1	5	68	53	bc. m. q. p	bc. m. q. p	om. p. or	om. p. or					
	Liverpool (Bidston)	1009.5	60	SE	2	o	1004.9	+2	62	+4	S	1	SW	b	1	12	69	58	bc. o	or	or. bc	or. bc					
	Holyhead	1008.2	62	SE	3	og.	1005.1	0	55	-3	SW	2	-	Sc	0	15	65	54	c. b. bc	op. d. o	odr. bc	odr. bc					
	Pembroke (St. Ann's)	1008.1	58	SSE	3	og. r	1005.9	-2	57	0	S	1	-	Sc.	3	14	59	56	o. or.	op. or.	og. r. d	og. r. d					
	Hartland Quay	1008.3	63	S	2	orm.	1006.8	0	61	0	S	3	-	o	3	25	65	59	od. r. og.	og. adm.	rm. p. o	rm. p. o					
	Scilly (St. Mary's)	1008.3	60	SW	1	gr.	1005.5	-1	60	+1	S	3	S	omp	3	23	62	57	omr.	rg.	gr. omp	gr. omp					
	Falmouth	1007.5	59	SSE	1	r.	1007.0	-1	58	-1	SSE	1	-	org	*	18	62	57	orm.	omr. rg.	omel	omel					
	Jersey (St. Aubin)	1011.8	67	S	2	o.	1009.5	-	63	+1	SSW	2	S	c	1	1	67	60	og. p.	gp. c. o	bc. pc	bc. pc					
	Portland Bill	1011.0	59	S	4	or.	1008.6	+1	60	+2	SSW	2	S	bc	3	3	63	56	og.	c. or.	bc	bc					
	Dungeness	1013.7	64	S	2	c	1009.7	-2	62	+3	SSW	4	SW	c	3	2	66	58	c	c. bc. c	c. b. p. s	c. b. p. s					
Wick	1010.5	53	ESE	4	5c.	1010.4	-1	52	-1	ESE	3	-	5	4	0.3	54	52	c. om.	om. 5c.	5c	5c						
Nairn	1008.4	62	-	0	ou.	1008.1	-	54	-2	-	0	-	me	0	2	70	54	c. b. r.	p. cu.	omr.	omr.						
Aberdeen	1010.5	55	E	1	5	1009.1	-2	53	-1	ENE	2	-	56	2	1	58	52	rg.	rg.	5c. d	5c. d						
Leith	1008.7	68	SW	1	c	1004.9	-1	55	-2	NE	3	-	tm.	3	6	71	54	c. u. bc.	cg. c. u. c	c. bc. or	c. bc. or						
Tynemouth	1009.9	64	SW	1	c	1003.4	-3	63	+5	S	3	-	omg	3	11	71	55	qm	cm.	omr.	omr.						
Spurn Head	1011.9	67	SW	1	cm.	1007.6	-2	60	0	S	4	-	omp	4	5	74	60	cg.	c.	or. c. p. m	or. c. p. m						
Yarmouth (Gorleston)	1012.4	68	SW	4	bc.	1009.2	+1	63	+3	SSW	4	-	bc. m	4	1	72	59	bc. m. b	bc.	bc. or	bc. or						
Clacton-on-Sea	1013.8	64	SSE	2	or.	1009.5	+1	63	+3	S	2	NW	c	2	4	66	60	c. bc. cm	cm. z	cm. b. r	cm. b. r						
Nottingham	1011.1	67	S	1	o	1006.6	-	65	+5	SW	3	SW	or.	*	5	71	59	bc. c	cp. o	or	or						
Benson (Oxon.)	1011.5	67	SSE	3	o	1008.1	+1	63	+4	SW	2	-	o	*	4	72	59	c.	c.	r. o	r. o						
St. Farnborough	1012.4	66	SSE	4	or.	1009.2	0	64	+4	SSW	4	-	o	*	6	71	60	od. o	o. or.	or. b. r. o	or. b. r. o						
Salisbury Plain	1011.3	64	SE	3	or.	1008.3	0	63	+3	SW	3	SW	o	*	5	68	60	og. d.	og. d.	od. r. o	od. r. o						
London (Kew Obs.)	1012.7	68	S	2	o	1009.0	0	66	+5	SSE	1	SW	c	*	1	73	61	ood. c	c. or. d. o	or. or. r.	or. or. r.						
NORTHERN EUROPE.	Spitsbergen	1022.7	48	NW	3	b	1023.1	0	46	-2	N	4	-	b	*	54	41	-	-	-	-						
	Vardö	1019.0	41	N	5	o	1019.4	0	41	0	N	5	-	o	3	*	43	39	-	-	-	-					
	Bodö	1013.5	63	-	0	b	1016.8	0	63	0	-	0	-	b	0	-	63	52	-	-	-	-					
	Christiansund	1013.9	54	NW	1	c	1015.8	+1	55	+1	-	0	-	o	2	-	55	52	-	-	-	-					
	Skudesnaes	1012.8	61	W	1	b	1013.5	0	59	+2	-	0	-	b	1	-	61	48	-	-	-	-					
	Færder (Xania Fjord)	1012.6	59	SSW	2	bc.	1015.4	+1	63	+4	E	1	-	b	1	-	63	57	-	-	-	-					
	The Scaw (Skagen)	1012.0	61	-	0	b	1014.7	+1	61	0	-	0	-	bc	0	-	64	55	-	-	-	-					
	Blaavands Huk	1015.6	59	W	2	o	1017.1	-1	59	+2	SSW	1	-	5	*	2	64	54	-	-	-	-					
	Copenhagen	1013.6	63	-	0	c	1015.9	+1	63	+2	-	0	-	o	1	1	63	59	-	-	-	-					
	Bornholm	1014.0	59	S	1	m.	1015.8	+1	61	-3	WSW	1	-	5	0	6	68	55	-	-	-	-					
FRANCE, &c.	The Helder	1015.6	64	SSW	2	c	1011.8	+2	66	+5	SE	2	-	c	1	-	66	61	-	-	-	-					
	C. Gris Nez	1015.5	70	SW	1	c	1011.1	-1	66	+7	SSE	4	-	o	3	16	72	59	-	-	-	-					
	La Hève	1013.6	73	-	0	bc	1012.0	-	66	+3	ENE	5	-	bc	3	3	73	59	-	-	-	-					
	Brest (St. Mathieu)	1011.6	63	S	5	o	1009.2	+1	61	+2	S	5	-	5	4	4	63	59	-	-	-	-					
	Rochefort (Île d'Aix)	1010.7	77	S	1	b	1010.3	+2	68	+4	E	2	-	o	*	3	88	61	-	-	-	-					
	Biarritz	1008.3	86	ENE	2	bc	1010.7	+2	68	-2	WSW	3	-	o	*	90	66	-	-	-	-						
	Paris	1014.8	75	ESE	1	b.	1010.3	-4	64	-2	-	0	SE	o	*	1	79	64	-	-	-	-					
	Bellort	1015.5	79	S	1	c	1016.7	-	73	+7	-	0	-	m	*	-	84	63	-	-	-	-					
	Lyons	1014.4	82	SSE	2	b	1015.4	-	73	+5	S	3	-	b	*	-	88	68	-	-	-	-					
	Nice	1019.1	?	SSW	2	c	1019.6	+1	68	0	-	0	-	o	*	-	82	63	-	-	-	-					
IBERIA, &c.	Perpignan	1015.2	72	E	1	o	1014.4	-1	72	+2	-	0	-	bc	*	Trace	79	59	-	-	-	-					
	Sanguinaire																										
	Corunna	1011.9	72	SW	6	o	1011.6	0	72	+2	SW	4	SW	c	3	1	75	63	-	-	-	-					
	Madrid																										
	Lisbon	1014.7	73	WSW	4	b	1014.0	+1	68	+2	SSE	2	-	o	2	-	75	66	-	-	-	-					
	Azores (Horta)	1015.4	?	WSW	5	or.	1017.0	+1	63	-4	NW	5	-	b	2	2	73	63	-	-	-	-					
	" (P. Delgada)	1015.0	*	W	4	b.	1016.7	+1	64	-3	NW	2	-	bc	3	1	73	64	-	-	-	-					
	Madeira	1017.9	72	?	?	o	1016.4	-2	64	0	NE	1	-	bc	1	-	72	64	-	-	-	-					
	Gibraltar	1014.9	63	E	3	b.	1012.8	-	68	+7	S	2	-	b	2	2	79	63	-	-	-	-					
	Palma																										
MEDITERRANEAN.	Algiers		*	*	*	*	1017.5	+2	?	?	NW	3	-	b	*	-	81	73	-	-	-	-					
	Malta		*																								

## THE BEAUFORT SCALE OF WIND FORCE.

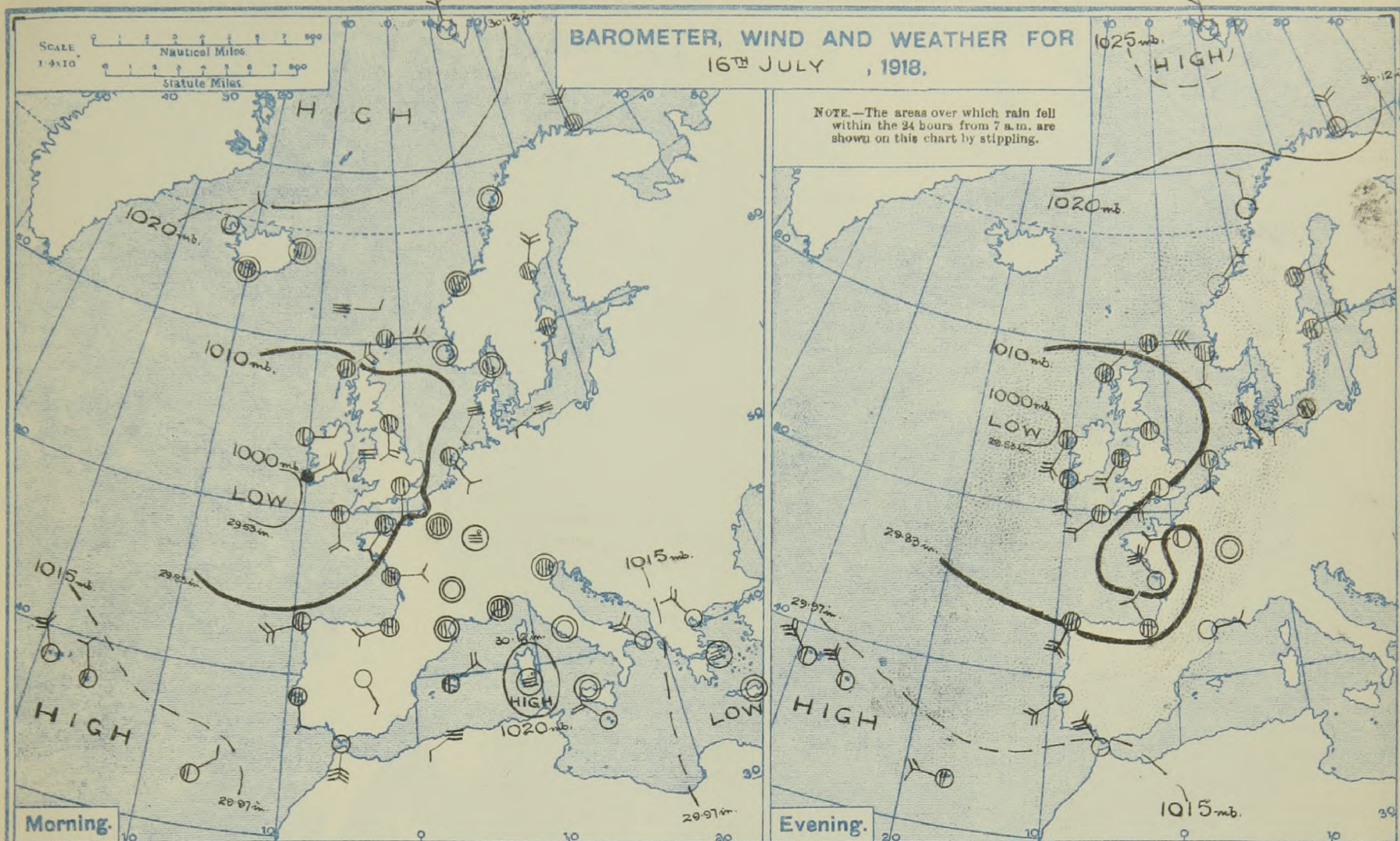
No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1- 3	0.3- 1.5
2	4- 7	1.6- 3.3
3	8-12	3.4- 5.4
4	13-18	5.5- 7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-64	20.8-24.4
10	55-68	24.5-28.4
11	64-75	28.5-33.5
12	Above 75	33.6 or above



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,691.

WEDNESDAY 17<sup>TH</sup> JULY, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 16<sup>TH</sup> JULY

STATIONS.		EVENING OF 15 <sup>TH</sup>					MORNING OF 16 <sup>TH</sup>										MORNING OF 16 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.
		° F.							° F.	° F.					° F.	° F.			° F.	° F.			
RUSSIA.	Archangel ...														*	*	Isafjord ...	10199	55	+5	NE	2	b
	Petrograd ...														*	*	Reykjavik ...	10166	52	-4	-	0	o
	Moscow ...														*	*							
SWEDEN.	Hernösand ...	1012.6	52	-	0	b	1011.2	*	67	0	NNE	4	c	*	*	*	Vestmanna ...	10146	46	-2	ESE	4	c
	Stockholm ...	1011.5	63	SSE	2	c	1009.9	*	61	0	S	2	o	*	*	*	Seydisfjord ...	10190	45	+2	-	0	c
	Wisby ...	1011.9	63	SSW	2	c	1011.9	*	63	0	WSW	6	b.	*	*	*	Thorshavn ...	10148	51	+1	E	2	m.
ITALY.	Venice ...	1017.1	79	SSE	1	b	1016.1	*	?	?	-	0	?	-	84	72	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Turin ...	1017.4	77	-	0	b.	1018.1	*	71	-4	-	0	bc	-	86	68	17 <sup>TH</sup> AND 18 <sup>TH</sup> JULY 1918.						
	Pesaro ...						1018.3	*	77	-2	-	0	o	-	83	64	Sunrise.		Noon.		Sunset.		
	Leghorn ...						1018.7	*	79	+2	SE	3	s	6	88	64	G.M.T.		G.M.T.		G.M.T.		
	Rome ...	1018.1	77	-	0	b	1018.6	*	77	+2	-	0	o	-	91	68	Yarmouth ...	{	3.50	11.59	8.7	8.7	
	Viesti ...	1016.9	79	NW	1	b.	1017.3	*	?	?	NW	1	?	-	81	72							
	Brindisi ...	1015.9	73	NW	3	o.	1015.5	*	75	0	NW	4	bc	-	79	73	Greenwich ...	{	4.4	12.6	8.8	8.7	
	Cagliari ...						1020.1	*	72	-5	-	0	bc	-	81	68							
	Palermo ...	1018.5	77	-	0	b	1018.6	*	73	0	-	0	bc	-	90	61	Wick ...	{	3.34	12.18	9.1	9.0	
	Tripoli ...						*																
																	Valencia ...	{	4.41	12.47	8.52	8.51	

LONDON 17 <sup>TH</sup> JULY 9h. G.M.T.	HUMIDITY.		Sun- shine for 16 <sup>TH</sup> Hours.	TEMPERATURE.			Rain- fall. mm.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
	%	%		°F.	°F.	°F.				
GREENWICH (Royal Observatory) ...	72	84	7.1	80	56	46	0.0	o. or.	c. bc	om.
CITY (Bunhill Row) ...	*	*	5.8	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ...	74	78	6.1	75	58	53	0.1	*	*	*
(Roof near Charing Cross) ...	69	72	6.2	77	60	*	0.0	c. bc.	c.	*
CAMDEN SQ. (British Rainfall) ...	78	82	6.8	79	58	53	trace	b.	bc.	*
KENSINGTON PALACE ...	80	79	7.0	76	58	46	0.5	op.	bc.	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

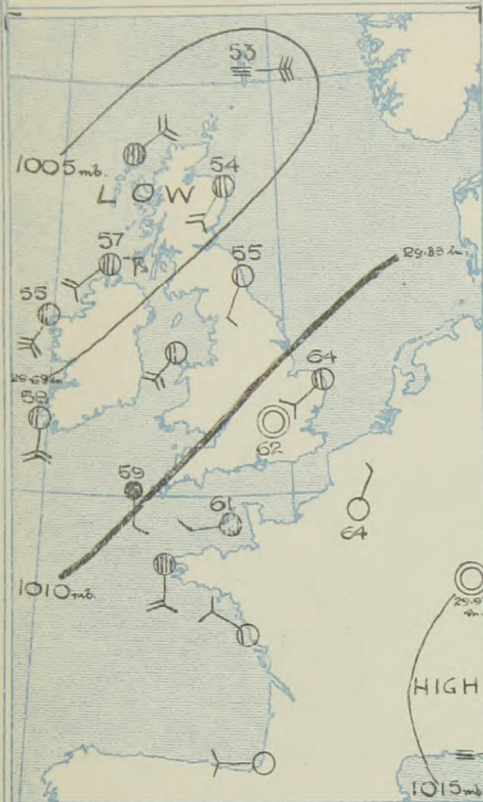
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 16 <sup>TH</sup> .		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1450.	25.	77.5.

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 rd. at Meteorological Office.



17<sup>TH</sup>, JULY, at 1h. G.M.T.

THE MORNING OF WEDNESDAY, 17<sup>TH</sup>, JULY 1918, at 7h. G.M.T.



# EXPLANATION.

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

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

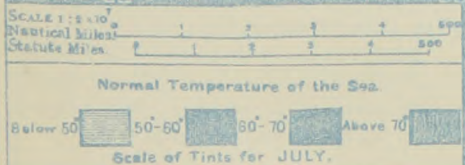
**TEMPERATURE**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

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

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

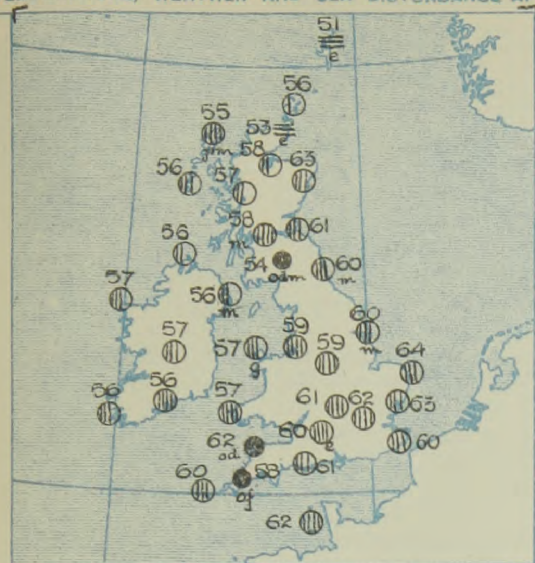
\* snow. ▲ hail. ☼ fog. ☼ mist. T, thunder. K, thunderstorm.

**SEA DISTURBANCE**—Rough. High.





TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

Notes on the Weather of the 24 hours ended 7h Today.

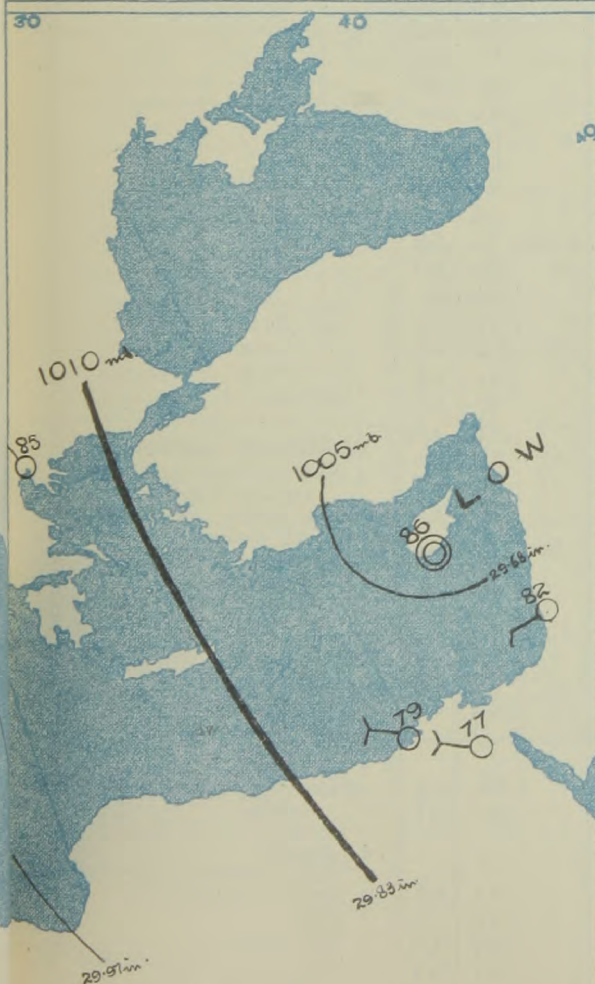
There was rain yesterday in all districts but it was heavy only in Scotland (Wick 2.9mm). Weather continued dull, the greatest amounts of bright sunshine being recorded in the South (Valencia 8.9 hours, Clacton 7.2) but with generally light SW or S winds temperatures were somewhat higher than of late.

The Conditions at 7h Today.

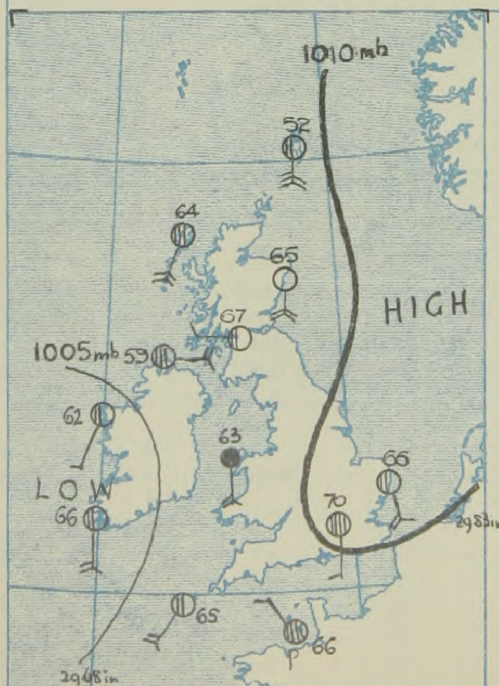
The depression off the SW of Ireland has changed little, but the secondary that was over Scotland has almost disappeared. An area of high pressure extends across central Europe from Spitzbergen to Switzerland and another lies SE of the Azores.

The General Outlook.

The barometer is rising over most of the British Isles and in Holland but is steady or falling in the English Channel and Northern France. The anticyclone appears likely to spread over our eastern districts but the weather in the South-west will probably remain dull and unsettled with some rain mist and fog and moderate SE'ly winds.



WEDNESDAY, 17<sup>TH</sup>, JULY, 1918, at 13h. (1p.m.) G.M.T.



The barometer is still falling slowly in the south-west and winds are now easterly in the English Channel and southerly over the rest of these islands.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 198.

WEDNESDAY  
17<sup>TH</sup> JULY

STATIONS.	EVENING OF 16 <sup>TH</sup>					MORNING OF 17 <sup>TH</sup>					24 HOURS ENDED 7 h 17 <sup>TH</sup>										Sun- shine for 16 <sup>TH</sup> Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	Temp. °F.	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 ...	1011.2	50	E	6	om.	1007.1	+1	51	+1	E	5	5	53	44	om.	om.	gr.	0.0		
	Deerness (Orkney) ...	1005.4	52	ENE	5	gr.	1005.4	*	56	+3	S	3	2	56	50	gr.	gr.	gr. bc	0.0		
	Stornoway ...	1005.5	56	NE	2	op.	1004.4	+1	55	0	E	1	1	62	52	op.	op.	op.	0.0		
	Castlebay (Barra Isd.) ...	1002.7	56	NE	4	op.	1005.4	+3	56	-2	WSW	3	3	18	60	op.	op.	op.	0.0		
	Glasgow ...	1004.8	63	SSW	2	omdp.	1007.9	+3	58	+3	SSW	2	1	66	54	omdp.	omdp.	omdp.	1.5		
	Esksdalemuir ...	1005.2	60	S	2	o.	1008.9	+2	54	-2	S	4	1	65	53	omdp.	omdp.	omdp.	3.3		
	Malin Head ...	1002.0	62	SSW	2	c.	1006.0	+3	56	+1	SSW	3	2	62	52	omdp.	omdp.	omdp.	2.9		
	Blacksod Point ...	1000.9	59	SSW	5	bc.	1005.5	+2	57	-1	SSE	4	2	64	54	omdp.	omdp.	omdp.	8.9		
	Valencia (Cabiriveen) ...	1003.9	61	S	3	bc.	1004.9	0	56	+1	SSE	3	3	64	55	omdp.	omdp.	omdp.	4.4		
	Roche's Point ...	1005.7	62	SSW	4	bc.	1006.4	*	56	-2	SE	1	3	64	54	omdp.	omdp.	omdp.	4.9		
	Birr Castle ...	1003.0	63	NW	2	c.	1005.6	*	57	+2	S	1	1	71	49	omdp.	omdp.	omdp.	1.9		
	Donaghadee ...	1004.3	69	S	3	ogf.	1007.9	+2	56	+2	SW	1	1	64	52	omdp.	omdp.	omdp.	1.5		
	Liverpool (Bidston) ...	1006.2	64	SSW	1	b.	1009.6	+2	59	-3	S	2	1	68	57	omdp.	omdp.	omdp.	1.9		
	Holyhead ...	1005.3	60	SSW	3	cg.	1008.9	+1	57	+2	SSW	3	1	64	54	omdp.	omdp.	omdp.	1.5		
	Pembroke (St. Ann's) ...	1007.5	59	S	3	c.	1008.9	0	57	0	ESE	3	1	60	56	omdp.	omdp.	omdp.	3.4		
Hartland Quay ...	1008.7	62	SSW	5	c.	1008.8	0	62	+1	S	3	3	65	50	omdp.	omdp.	omdp.	1.6			
NORTHERN EUROPE.	Scilly (St. Mary's) ...	1008.2	61	SW	3	c.	1007.3	-1	60	0	S	4	4	2	65	57	omdp.	omdp.	omdp.	6.3	
	Falmouth ...	1008.7	64	SW	4	bc.	1009.0	0	58	0	SE	2	1	66	57	omdp.	omdp.	omdp.	4.0		
	Jersey (St. Aubin) ...	1011.0	69	SE	2	c.	1010.3	*	62	-1	ESE	2	1	71	61	omdp.	omdp.	omdp.	4.7		
	Portland Bill ...	1009.8	61	SW	3	c.	1010.6	0	61	+1	NE	3	3	63	58	omdp.	omdp.	omdp.	5.9		
	Dungeness ...	1011.2	62	SW	2	bc.	1011.7	+1	60	-2	E	1	2	67	57	omdp.	omdp.	omdp.	6.3		
	Wick ...	1004.3	53	E	3	gr.	1005.3	+2	53	+1	S	3	3	53	51	omdp.	omdp.	omdp.	0.0		
	Nairn ...	1003.6	54	ENE	1	smdo.	1004.9	*	58	+4	-	0	0	58	47	omdp.	omdp.	omdp.	1.4		
	Aberdeen ...	1003.2	60	SW	2	bc.	1007.1	+2	63	+10	S	1	2	64	53	omdp.	omdp.	omdp.	4.0		
	Leith ...	1003.4	65	NW	2	c.	1007.2	+1	61	+6	W	1	1	69	55	omdp.	omdp.	omdp.	4.0		
	Tynemouth ...	1004.4	68	-	0	c.	1008.7	+1	60	-3	W	1	2	73	55	omdp.	omdp.	omdp.	4.0		
FRANCE, &c.	Spurn Head ...	1007.7	70	S	2	clt.	1011.7	+1	60	0	SW	2	1	73	59	omdp.	omdp.	omdp.	5.9		
	Yarmouth (Gorleston) ...	1009.2	70	S	4	bc.	1011.6	+2	64	+1	SW	2	1	75	57	omdp.	omdp.	omdp.	7.2		
	Clacton-on-Sea ...	1010.4	65	SSW	2	cum.	1012.6	0	63	0	W	1	1	71	61	omdp.	omdp.	omdp.	4.7		
	Nottingham ...	1006.8	72	SW	4	b.	1011.2	*	59	-6	SW	1	1	75	57	omdp.	omdp.	omdp.	4.7		
	Benson (Oxon.) ...	1009.1	69	SW	3	bc.	1010.6	+1	61	-2	-	0	0	72	55	omdp.	omdp.	omdp.	6.0		
	Sth Farnborough ...	1010.0	67	SW	6	o.	1011.6	0	62	-2	SSE	2	1	75	57	omdp.	omdp.	omdp.	3.3		
	Salisbury Plain ...	1009.3	66	S	3	bc.	1011.1	0	60	-3	S	2	1	75	57	omdp.	omdp.	omdp.	6.3		
	London (Kew Obsy.) ...	1010.2	72	SW	4	bcv.	1012.1	+1	62	-4	ESE	1	1	76	58	omdp.	omdp.	omdp.	6.3		
	Spitsbergen ...	1026.6	48	N	3	b.	1025.9	0	46	0	W	5	*	50	41	omdp.	omdp.	omdp.	3.9		
	Vardö ...	1021.9	41	N	4	c.	1024.7	+1	46	+5	N	4	2	46	39	omdp.	omdp.	omdp.	5.2		
IBERIA, &c.	Bodö ...	1017.6	63	N	1	b.	1018.3	0	64	+1	-	0	1	64	52	omdp.	omdp.	omdp.	5.5		
	Christiansund ...	1015.8	61	-	0	b.	1016.6	-3	66	+11	NE	2	4	66	55	omdp.	omdp.	omdp.	4.8		
	Skudesnaes ...	1012.4	61	S	2	o.	1010.6	-3	61	+2	S	1	0	64	59	omdp.	omdp.	omdp.	4.1		
	Færder (X'ania Fjord) ...	1015.5	63	-	0	c.	1016.3	+1	63	0	-	0	0	64	59	omdp.	omdp.	omdp.	4.1		
	The Scaw (Skagen) ...	1015.7	61	SSE	1	m.	1015.6	+0	61	0	SE	1	1	66	41	omdp.	omdp.	omdp.	5.5		
	Blaavands Huk ...	1014.0	64	SE	1	o.	1013.5	+1	64	+5	SE	2	1	70	55	omdp.	omdp.	omdp.	6.3		
	Copenhagen ...	1016.0	64	WSW	2	c.	1016.7	0	64	+1	SE	2	1	64	59	omdp.	omdp.	omdp.	6.3		
	Bornholm ...	1016.3	61	WSW	2	m.	1017.8	0	64	+3	-	0	0	64	57	omdp.	omdp.	omdp.	6.3		
	The Helder ...	1011.1	73	S	2	bc.	1012.6	+2	64	-2	SW	1	1	75	63	omdp.	omdp.	omdp.	5.9		
	C. Gris Nez ...	1012.2	63	W	2	o.	1012.2	+1	61	-5	NE	1	0	72	59	omdp.	omdp.	omdp.	6.1		
MEDITERRANEAN.	La Hève ...	1012.6	72	NNE	1	bc.	1012.2	*	63	-3	E	2	0	73	61	omdp.	omdp.	omdp.	5.7		
	Brest (St. Mathieu) ...	1011.5	61	S	3	c.	1010.3	0	59	-2	SSE	2	0	63	57	omdp.	omdp.	omdp.	6.4		
	Rochefort (Ile d'Aix) ...	1010.7	70	NW	5	b.	1008.0	0	70	+2	SSE	4	0	79	64	omdp.	omdp.	omdp.	6.6		
	Biarritz ...	1007.2	72	NW	2	c.	1010.3	+1	70	+2	WSW	4	0	82	66	omdp.	omdp.	omdp.	6.3		
	Paris ...	1009.5	90	W	2	b.	1010.7	-3	72	+8	NE	2	0	90	63	omdp.	omdp.	omdp.	6.8		
	Belfort ...	1012.2	84	-	0	b.	1016.4	*	73	0	E	2	0	91	63	omdp.	omdp.	omdp.	6.3		
	Lyons ...	1013.5	81	SSE	3	b.	1013.5	*	77	+4	E	2	0	86	68	omdp.	omdp.	omdp.	6.3		
	Nice ...	1014.2	75	ENE	2	b.	1011.2	0	73	+5	-	0	7	82	63	omdp.	omdp.	omdp.	6.6		
	Perpignan ...	1014.2	75	ENE	2	b.	1015.2	+1	73	+1	NE	1	0	82	66	omdp.	omdp.	omdp.	6.5		
	Sanguinaire ...	1017.8	79	NW	2	m.	1016.7	*	73	?	S	1	0	86	68	omdp.	omdp.	omdp.	6.1		
MEDITERRANEAN.	Corunna ...	1011.0	72	SSW	5	o.	1011.8	-2	66	-6	SSW	1	10	77	61	omdp.	omdp.	omdp.	6.6		
	Madrid ...	1013.7	72	SW	4	b.	1014.3	+1	68	0	SW	1	0	73	66	omdp.	omdp.	omdp.	6.3		
	Lisbon ...	1017.5	*	NW	5	bc.	1017.0	+1	64	+1	WSW	5	3	73	63	omdp.	omdp.	omdp.	6.3		
	Azores (Horta) ...	1015.8	*	NW	5	b.	1017.0	+1	66	+2	WNW	3	0	72	63	omdp.	omdp.	omdp.	6.4		
	„ (P. Delgada) ...	1014.7	73	W	3	bc.	1019.1	-0	66	+2	NW	2	0	73	64	omdp.	omdp.	omdp.	6.5		
	Madeira ...	1015.9	74	NW	5	b.	1014.9	*	70	+2	NW	5	3	82	65	omdp.	omdp.	omdp.	7.1		
	Gibraltar ...	1015.9	74	NW	5	b.	1014.9	*	70	+2	NW	5	3	82	65	omdp.	omdp.	omdp.	7.1		
	Palma ...	1015.9	74	NW	5	b.	1014.9	*	70	+2	NW	5	3	82	65	omdp.	omdp.	omdp.	7.1		
	Algiers ...	1016.4	79	?	-	o.	1016.4	+2	79	?	-	0	0	82	73	omdp.	omdp.	omdp.	7.1		
	Malta ...	1013.0	85	+1	NW	2	1013.0	0	85	+1	NW	2	0	100	71	omdp.	omdp.	omdp.	7.1		
MEDITERRANEAN.	Salonica ...	1004.8	86	+9	-	0	1004.8	0	86	+9	-	0	0	97	66	omdp.	omdp.	omdp.	7.5		
	Athens ...	1007.6	77	N	3	b.	1007.6	+1	79	+4	NW	2	0	88	75	omdp.	omdp.	omdp.	6.8		
	Candia ...	1006.2	88	N	3	b.	1007.4	+1	77	+2	NW	2	0	102	68	omdp.	omdp.	omdp.	6.8		
	Limassol ...	1006.2	88	N	3	b.	1007.4	+1	77	+2	NW	2	0	91	68	omdp.	omdp.	omdp.	6.8		
	Alexandria ...	1005.4	82	NW	1	b.	1006.3	+2	82	-2	S	1	0	97	68	omdp.	omdp.	omdp.	6.8		
	Cairo (Helwan) ...	1005.4	82	NW	1	b.	1006.3	+2	82</												

## THE BEAUFORT SCALE OF WIND FORCE.

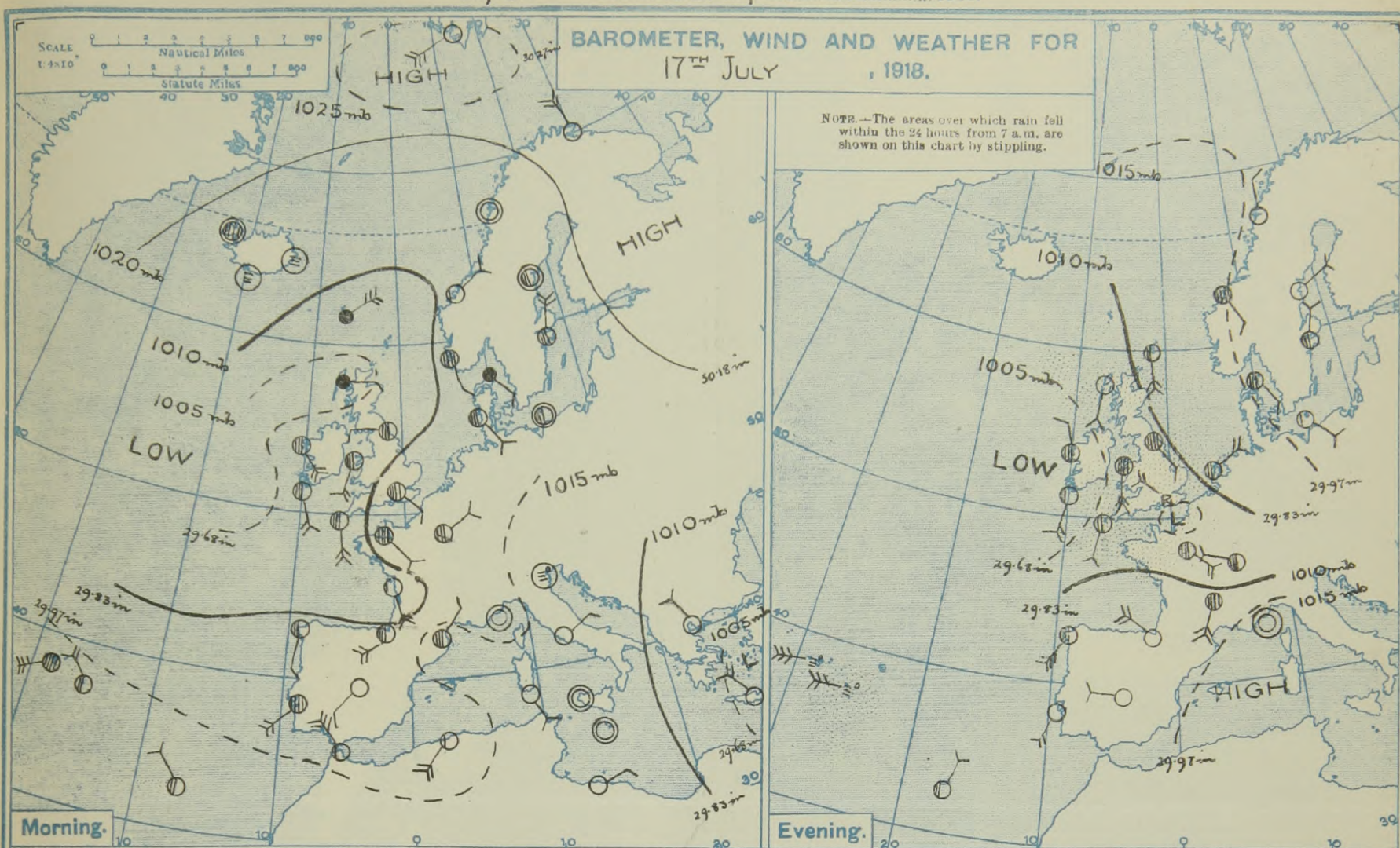
No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-8	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.1
11	64-75	28.2-33.6
12	Above 75	33.7 or above



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,692

THURSDAY, 18<sup>TH</sup> JULY 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 17<sup>TH</sup> JULY

STATIONS.		EVENING OF 16 <sup>TH</sup>					MORNING OF 17 <sup>TH</sup>										MORNING OF 17 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours.	Dirac.		Force 0-12.
		° F.						+	° F.	° F.				° F.	° F.			° F.	° F.				
RUSSIA.	Archangel ...														*		Isafjord ...	1019.8	48	-7	-	0	0
	Petrograd ...														*		Reykjavik	1014.7	50	-2	-	0	c
	Moscow ...														*		Vestmanna	1014.8	46	0	-	0	s
SWEDEN.	Hernösand ...	1017.8	57	W	2	0	1019.0	*	59	+2	-	0	c	*	*	*	Seydisfjord	1016.8	46	+1	-	0	s
	Stockholm ...	1015.0	64	SW	4	c	1019.2	*	61	0	S	4	c	*	*	*	Thorshavn	1006.3	50	-1	NE	5	r.
	Wisby ...	1015.2	63	SSW	2	bc	1018.0	*	63	0	SSW	2	b.	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
ITALY.	Venice ...	1016.5	81	-	0	b.	1017.0	*	82	?	-	0	m.	-	86	75	18 <sup>TH</sup> AND 19 <sup>TH</sup> JULY 1918.						
	Turin ...	1016.9	79	-	0	b.	1018.3	*	77	+6	-	0	b.	-	88	70	Sunrise.		Noon.		Sunset.		
	Pesaro ...	1016.9	79	-	0	b.	1017.8	*	82	+5	-	0	b.	-	87	66	G.M.T.		G.M.T.		G.M.T.		
	Leghorn ...	1018.1	75	-	0	b.	1017.9	*	79	0	-	0	b.	-	81	68	3.51		11.59		8.6		
	Rome ...	1017.7	77	-	0	b.	1017.7	*	77	0	NE	1	b.	-	91	66	3.52		11.59		8.5		
	Viesti ...	1017.7	77	-	0	b.	1016.5	*	82	?	WNW	2	b.	-	84	73	4.5		12.6		8.7		
	Brindisi ...	1017.9	75	NW	2	b.	1017.7	*	77	+2	NE	1	b.	-	91	66	4.7		12.6		8.6		
	Cagliari ...	1017.9	75	-	0	b.	1015.8	*	81	+6	SE	3	b.	-	86	68	2.35		12.18		9.0		
	Palermo ...	1017.7	77	-	0	b.	1017.5	*	72	0	-	0	b.	-	89	61	2.37		12.18		8.59		
	Tripoli ...	1017.7	77	-	0	b.	1019.1	*	75	+2	ENE	1	b.	-	84	63	4.42		12.47		8.51		
																	4.44		12.47		8.50		

LONDON 18 <sup>TH</sup> JULY 9h. G.M.T.	HUMIDITY.		Sun- shine for 17 <sup>TH</sup>	TEMPERATURE.			Rain- fall. mm.	WEATHER.		
	15 h.	5 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
	%	%		°F.	°F.	°F.				
GREENWICH (Royal Observatory) ..	76	80	0.9	77	57	51	32.0	0	0.05	0.00
CITY (Bunhill Row) ..	*	*	0.8	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ..	72	78	1.2	74	59	55	20.0	*	*	*
" (Roof near Charing Cross) ..	67	68	0.9	75	59	*	21.0	om.	0.00	*
CAMDEN SQ. (British Rainfall) ..	66	70	0.8	77	58	55	13.2	c	0	*
KENSINGTON PALACE ..	70	79	0.7	75	59	50	9.2	c	0.05	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

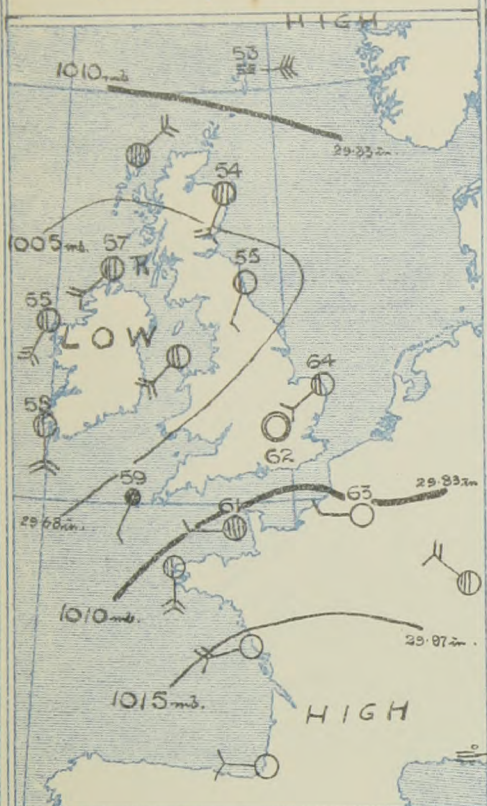
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 17 <sup>TH</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
692	12	61.5

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 Meteorological Office.



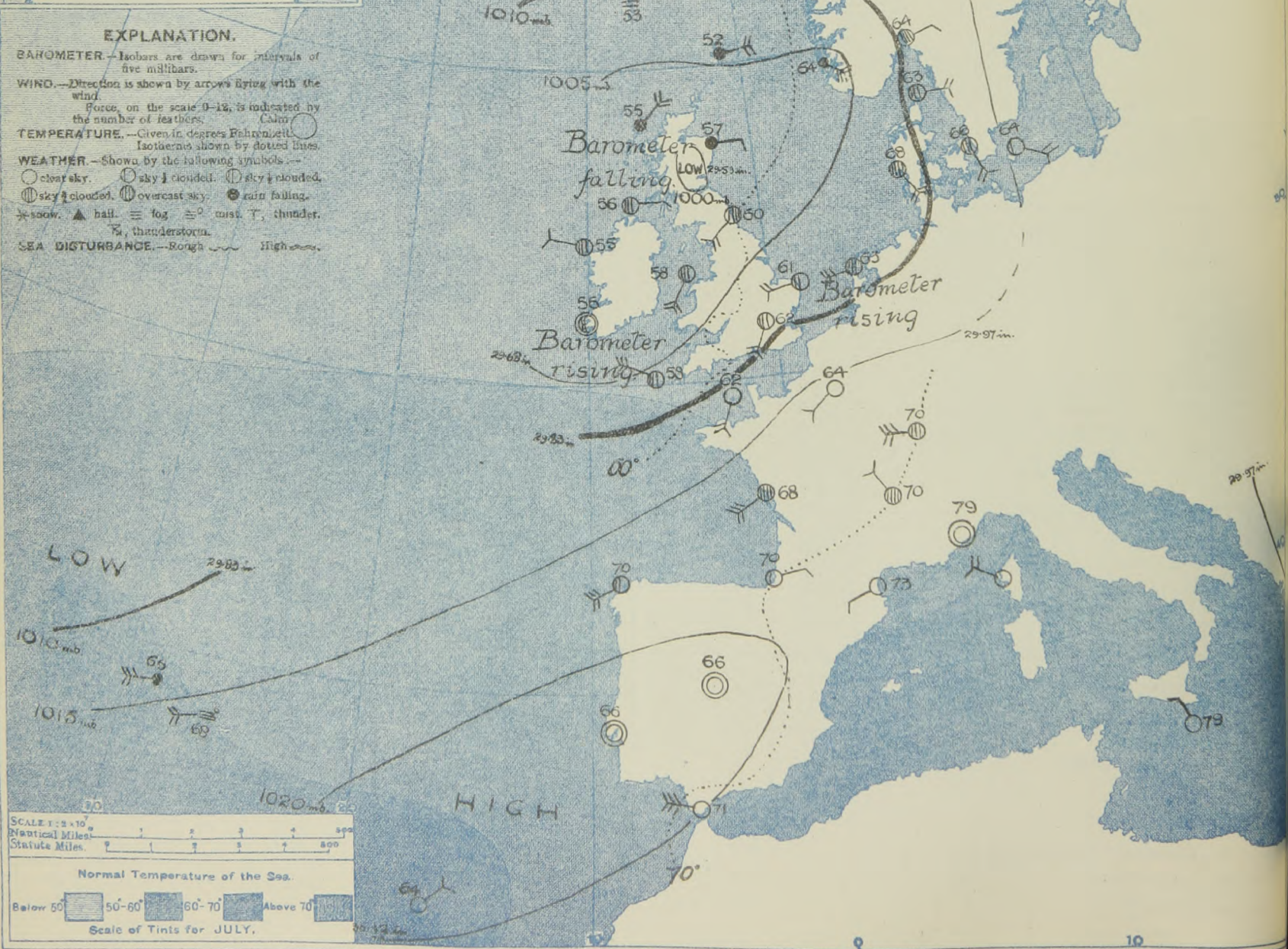
18<sup>th</sup>, JULY, at 1h. G.M.T.

THE MORNING OF THURSDAY, 18<sup>th</sup>, JULY 1918, at 7h. G.M.T.

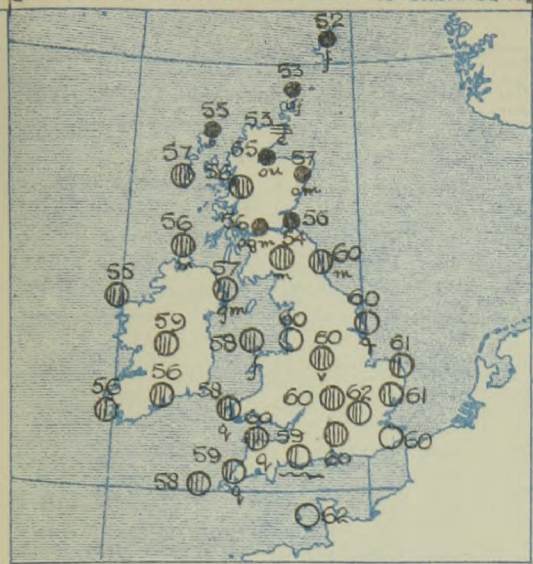


**EXPLANATION.**

**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* is shown by a circle.  
**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 ~~~~~







GALES.

Notes on the Weather of the 24 hours ended 7h Today

During the past 24 hours there has been precipitation in all districts, heaviest in Scotland (Leith 26mm) and SE England, (Benson 26mm), in both cases accompanying severe thunderstorms at night. Over most of the country the weather was dull most of the day, but in Scotland it was fairer with a good deal of sunshine (Aberdeen 13.7 hrs, Lerwick 12.0 hrs); temperatures were fairly high.

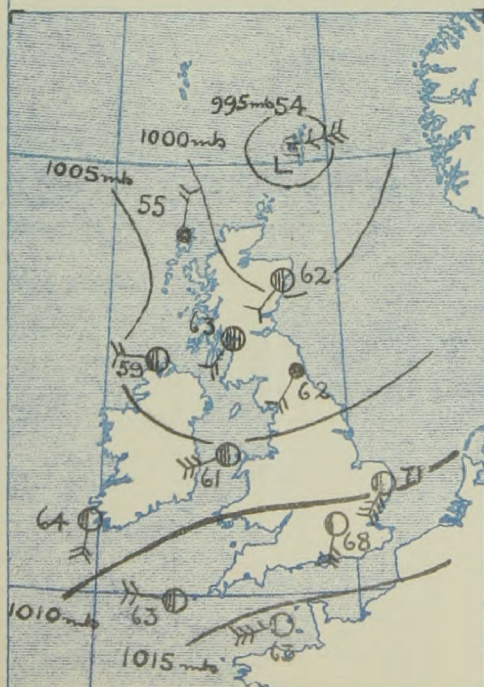
The Conditions at 7h Today.

The depression that has been off the south-west of these islands has moved NE and is now over Scotland. There are indications of another depression north of the Azores. Regions of high pressure are over Northern Scandinavia and between Madeira and Madrid. Over these islands the winds are chiefly SW with cloudy weather and some showers, but in the north of Scotland the winds are E'ly with heavy rain. No reports have been received from Scandinavia owing to severe thunderstorms there.

The Outlook.

The barometer is falling in the north of Scotland, and over Denmark, but rising over France and our South-western districts, and the depression is moving to the N or NE, but at the same time a shallow secondary or line squall is traversing these islands. At Horta there is a fresh WSW wind and the barometer is rising, so that a fresh depression may be passing NEastwards from the district of the Azores towards Ireland.

THURSDAY, 18<sup>th</sup>, JULY, 1918, at 13h. (1p.m.) G.M.T.



The depression over Scotland is continuing to move northward and is now over the Orkneys. The barometer is now falling very rapidly at Lerwick and the wind there has reached gale force. There are indications that another depression is approaching the SW of Ireland.

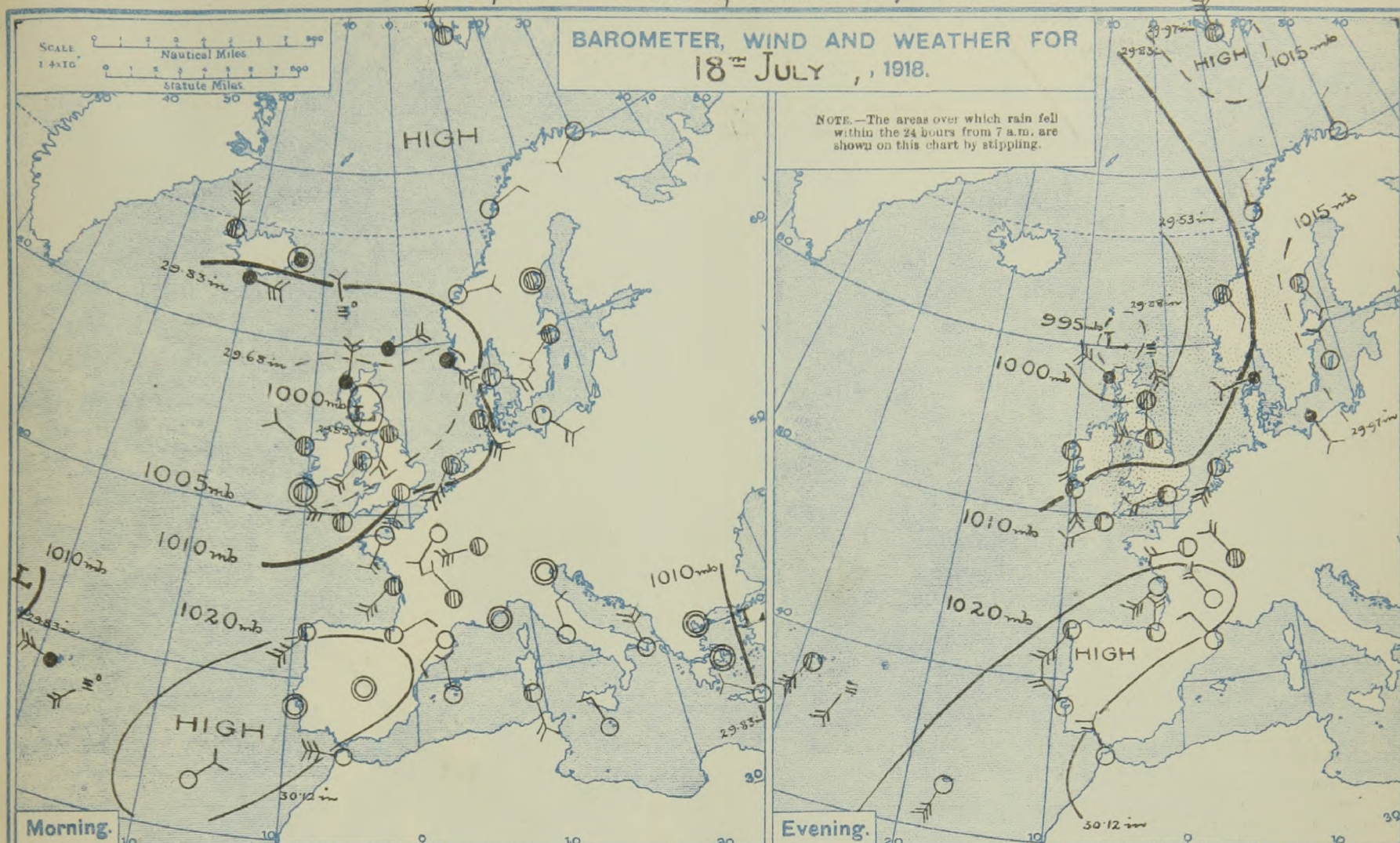


STATIONS.	EVENING OF 17 <sup>TH</sup>					MORNING OF 18 <sup>TH</sup>										24 HOURS ENDED 7 h 18 <sup>TH</sup>					Sun- shine for 17 <sup>TH</sup> Hours.	
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Direc. of Upper Cloud.	Weather.	Sea 0-9	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Direc.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours.						Max.	Min.	Morning	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	10107	52	S	3	bcz.	10068	-5	52	+1	E	4	-	gr.	3	1	62	50	bcz.	bcz.	56.	12.0
	Deerness (Orkney) ...	10091	59	NNE	3	c	10020	*	53	-3	NE	3	-	ogr.	2	1	64	52	bcz.	bcz.	56.	10.9
	Stornoway ...	10075	62	SSW	2	b.	10020	-3	56	0	NE	4	-	or.	3	3	62	52	bcz.	bcz.	56.	9.6
	Castlebay (Barra Isd.) ...	10065	59	E	3	o	10009	-1	57	+1	-	o	-	o	1	5	61	55	c.b.	bcz.	56.	7.1
	Glasgow ...	10068	67	E	1	cuZ.	10014	-1	56	-2	SW	3	-	ogr.	5	70	56	c.b.	bcz.	56.	7.8	
	Eskdalemuir ...	10067	65	SSE	1	o	10018	-1	54	0	SSW	5	-	om.	10	69	54	om.	cy.	56.	6.9	
	Malin Head ...	10046	61	SSW	2	cp	10012	-1	56	0	E	1	SE	cm	1	0.2	65	53	bcz.	bcz.	56.	*
	Blacksod Point ...	10028	57	N	1	cp	10021	+1	55	-2	WNW	2	-	c	2	2	69	52	bcz.	bcz.	56.	*
	Valencia (Cahirveen) ...	10029	62	SSW	3	bcz.	10045	+3	56	0	-	o	SW	bcz.	2	-	67	52	c.b.	bcz.	56.	5.8
	Roche's Point ...	10042	61	SSW	3	c	10044	*	56	0	W	2	W	c	3	18	63	54	bcz.	bcz.	56.	4.0
NORTHERN EUROPE.	Birr Castle ...	10021	62	W	1	c	10032	*	59	+2	W	1	-	c	4	68	53	cp.	opt.	c	1.8	
	Donaghadee ...	10054	56	ESE	2	ogr.	10014	0	57	+1	SW	2	SW	cm	1	5	64	53	bcz.	bcz.	56.	3.4
	Liverpool (Bldston) ...	10054	68	SE	2	o	10034	-1	60	+1	SSE	1	SW	b.	1	1	70	56	bcz.	bcz.	56.	2.5
	Holyhead ...	10054	61	S	4	op.	10022	-1	58	+1	SSW	4	SW	cy.	3	3	67	56	c.b.	cp.	56.	9.3
	Pembroke (St. Ann's) ...	10070	59	SSW	3	c.	10014	+1	58	+1	S	4	S	cy.	4	1	60	56	op.	op.	56.	1.5
	Hartland Quay ...	10068	61	SSW	2	odp.	10052	0	60	-2	SSW	6	-	o	4	6	65	53	d. or m.	ogr.	56.	3.0
	Scilly (St. Mary's) ...	10070	64	SSW	2	bcz.	10072	+4	58	-2	WNW	5	W	c	6	2	66	56	c.b.	bcz.	56.	*
	Falmouth ...	10069	63	SW	3	bcz.	10073	+4	59	+1	SW	5	SW	bcz.	2	5	65	56	om.	om.	56.	0.0
	Jersey (St. Aubin) ...	10088	62	NE	3	op.	10119	*	62	0	SSW	3	-	b.	2	5	72	59	o.b.	bcz.	56.	0.2
	Portland Bill ...	10073	59	SW	2	r.	10080	0	59	-2	SW	6	SW	bcz.	5	14	61	57	cp.	or.	56.	0.2
FRANCE, &c.	Dungeness ...	10047	62	ENE	4	c.	10109	+2	60	0	SW	5	-	b.	4	4	67	58	or.	c.	56.	0.2
	Wick ...	10084	59	N	4	cm.	10018	-5	53	0	NE	1	-	Se	3	0.1	63	52	Se.	bcz.	56.	10.1
	Nairn ...	10067	64	-	0	r.	10000	*	55	-3	ENE	1	-	Tru.	1	23	73	53	bcz.	bcz.	56.	13.7
	Aberdeen ...	10080	65	S	3	b.	10004	-4	57	-6	E	1	-	om.	2	9	68	53	c.b.	bcz.	56.	*
	Leith ...	10063	65	E	2	c	9997	-1	56	-5	SSW	1	-	r.	1	26	71	56	c.b.	b.	56.	*
	Tynemouth ...	10075	59	SE	1	om.	10014	0	60	0	SW	3	-	om.	2	4	67	54	cm.	om.	56.	3.2
	Spurn Head ...	10093	60	SE	4	om.	10051	0	60	0	WSW	4	-	bcz.	4	23	66	56	bcz.	bcz.	56.	5.6
	Yarmouth (Gorleston) ...	10083	63	ESE	3	o.	10081	+4	61	-3	WSW	3	-	bcz.	3	20	68	58	c.b.	c.	56.	3.1
	Clacton-on-Sea ...	10070	65	ENE	3	ogr.	10100	+4	61	-2	WSW	4	SW	bcz.	4	10	68	59	cm.	cl. og.	56.	2.3
	Nottingham ...	10078	64	SSE	3	gr.	10058	*	60	+1	SW	3	SW	ov.	*	6	73	58	o.c.	o.c.	56.	0.0
IBERIA, &c.	Benson (Oxon.) ...	10092	61	WSW	1	r.	10074	+2	60	-1	SSW	3	-	o	*	26	67	56	or.	or.	56.	0.0
	Sth Farnborough ...	10082	61	W	4	or.	10092	+1	60	-2	SW	6	-	o	*	7	69	56	om.	o.	56.	0.6
	Salisbury Plain ...	10085	60	S	2	r.	10080	-1	59	-1	S	4	S	od.	*	14	68	56	op.	or.	56.	0.2
	London (Kew Obs.) ...	10064	66	WNW	3	gr.	10089	+1	62	0	SSW	4	-	c	*	5	72	58	om.	o.	56.	0.2
	Spitsbergen ...													*	*							
	Vardö ...													*	*							
	Bodö ...	10163	57	N	1	b.	10151	+0	68	+4	E	1	-	b.	1	-	68	54	bcz.	bcz.	56.	
	Christiansund ...	10142	63	SE	1	o	10126	-1	64	-2	E	2	-	b.	2	-	75	59	bcz.	bcz.	56.	
	Skudesnaes ...	10131	61	WSW	1	o	10044	-5	64	+3	SE	5	-	r	3	2	64	59	bcz.	bcz.	56.	
	Færder (X'ania Fjord) ...	10167	63	NNE	1	o	10135	-2	64	+1	E	1	-	o	1	-	64	63	bcz.	bcz.	56.	
MEDITERRANEAN.	The Scaw (Skagen) ...	10157	63	SE	1	c	10118	-2	63	+2	ESE	3	-	c	3	4	66	59	bcz.	bcz.	56.	
	Blaavands Huk ...	10134	75	-	0	b.	10063	-2	68	+4	SSE	4	-	o	*	Trace	75	63	bcz.	bcz.	56.	
	Copenhagen ...	10164	68	SSE	2	b.	10131	-1	66	+2	SSE	3	-	o	*	72	63	bcz.	bcz.	56.		
	Bornholm ...	10176	63	ESE	2	m.	10151	-2	64	6	SE	3	-	b.	1	-	66	59	bcz.	bcz.	56.	
	Paris ...	10074	74	SSE	3	gr.	10164	+3	64	-8	SW	2	W	b.	*	6	86	59	bcz.	bcz.	56.	
	Belfort ...	10094	88	W	2	bcz.	10174	*	70	-3	W	6	*	c	*	-	99	66	bcz.	bcz.	56.	
	Lyons ...	10104	84	SSW	4	o	10175	*	70	-7	NW	2	*	o	*	-	91	66	bcz.	bcz.	56.	
	Nice ...	10167	?	-	0	b.	10162	0	79	+6	-	0	*	b.	-	-	84	46	bcz.	bcz.	56.	
	Perpignan ...	10111	75	SE	2	b.	10164	+3	73	0	SW	1	-	b.	*	-	82	66	bcz.	bcz.	56.	
	Sanguinaire ...	10152	86	NW	3	b.	10170	*	?	?	NW	3	*	b.	-	-	93	73	bcz.	bcz.	56.	
	Corunna ...	10134	73	SW	5	c	10199	+3	70	+4	SW	5	-	bcz.	3	-	73	61	bcz.	bcz.	56.	
	Madrid ...	10112	84	W	2	b.	10212	+4	66	-6	-	0	-	b.	*	-	88	55	bcz.	bcz.	56.	
	Lisbon ...	10186	72	SSW	3	p.	10222	+2	66	-2	-	0	-	b.	6	-	76	64	bcz.	bcz.	56.	
	Azores (Horta) ...	10143	*	WSW	6	p.	10138	+0	66	+2	WSW	5	*	r	4	10	70	64	bcz.	bcz.	56.	
	„ (P. Delgada) ...	10158	*	W	5	m	10162	+0	68	+2	WSW	4	*	m	4	1	72	64	bcz.	bcz.	56.	
	Madeira ...	10198	77	N	2	bcz.	10231	+0	64	-2	NE	2	-	b.	2	-	75	64	bcz.	bcz.	56.	
	Gibraltar ...	10189	71	WNW	6	b.	10196	*	70	0	NW	4	*	b.	3	-	82	67	bcz.	bcz.	56.	
	Palma ...																					
	Algiers ...																					
	Malta ...																					
	Salonica ...	10119	85	SSE	2	b.	10147	+1	83	-2	-	0	-	b.	*	-	?	75	bcz.	bcz.	56.	
	Athens ...																					
	Candia ...																					
	Limassol ...																					
	Alexandria ...	10079	77	N	3	b.	10064	+1	86	0	-	0										



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,693. FRIDAY, 19<sup>TH</sup> JULY, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 18<sup>TH</sup> JULY.

STATIONS.		EVENING OF... 17 <sup>TH</sup> ...					MORNING OF... 18 <sup>TH</sup> ...										MORNING OF... 18 <sup>TH</sup> ...							
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- litres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.				
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dirac.	Force 0-12.	Weather.	
		° F.						;	° F.	° F.				° F.	° F.			° F.	° F.					
RUSSIA.	Archangel ...														*	*		Isafjord ...	1018.3	46	-2	N	6	c
	Petrograd ...														*	*		Reykjavik	1010.4	52	+2	N	3	bc
	Moscow ...														*	*		Vestmanna	1009.8	46	0	E	5	c
SWEDEN.	Hernösand ...	1018.6	61	NNE	2	b	1015.6	*	61	+2	SE	2	bc	*	*	*	Seydisfjord	1014.0	45	-1	-	0	r	
	Stockholm ...	1019.0	64	N	2	c	?	*	64	+3	SSE	2	b	*	*	*	Thorshavn	1009.0	53	-3	N	2	m	
	Wisby ...	1018.8	61	NNE	2	c	1015.8	*	63	0	N	2	b	*	*	*								
ITALY.	Venice ...						1015.8	*	82	0	-	0	m	-	88	77	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
	Turin ...						1016.1	*	77	0	-	0	b	-	93	73	19 <sup>TH</sup> AND 20 <sup>TH</sup> JULY 1918.							
	Pesaro ...	1015.0	84	-	0	b	1016.1	*	86	+4	-	0	b	-	88	68	Sunrise.		Noon.		Sunset.			
	Leghorn ...						1016.6	*	81	+2	-	0	b	-	88	72	G.M.T.		G.M.T.		G.M.T.			
	Rome ...	1017.7	79	SW	1	b	1017.7	*	?	?	N	1	b	-	93	66	Yarmouth ...		3.52		11.59		8.5	
	Viesti ...	1016.5	81	WNW	1	b	1016.7	*	81	-1	NW	1	b	-	96	73	Greenwich ...		3.54		11.59		8.4	
	Brindisi ...	1015.7	86	SE	2	b	1015.8	*	82	+5	SE	3	bc	-	88	70	Wick ...		4.7		12.6		8.6	
	Cagliari ...	1015.4	73	NW	1	b	1017.8	*	77	-4	NW	4	b	-	81	75	Valencia ...		4.8		12.6		8.5	
	Palermo ...	1016.7	79	-	0	b	1017.4	*	73	+1	ENE	1	b	-	91	63	Total.		3.37		12.18		8.59	
	Tripoli ...						1018.7	*	79	+4	E	1	b	-	82	58	Average Rate.		4.44		12.47		8.50	
																	Max. Rate.		4.46		12.47		8.49	

LONDON 19 <sup>TH</sup> JULY 9h. G.M.T.	HUMIDITY.		Sun- shine for 18 <sup>TH</sup>	TEMPERATURE.			Rain- fall. mm.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
	18 <sup>TH</sup>	19 <sup>TH</sup>		°F.	°F.	°F.				
GREENWICH (Royal Observatory) ..	62	80	11.3	71	55	47	3.3	o.c.o	bc cp.	o.
CITY (Bunhill Row) ..	*	*	11.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ..	68	95	11.1	69	57	48	1.7	*	*	*
" (Roads near Charing Cross) ..	85	74	11.4	71	59	*	0.4	cp	pl. cl.	*
CAMDEN SQ. (British Rainfall) ..	83	70	9.3	72	56	53	0.0	bc	bc	*
KENSINGTON PALACE ..	69	77	11.0	69	55	46	0.4	bc	r. bc	*

NOTE.—The thermometers at Greenwich and Camden Square are in Gaisler screens.

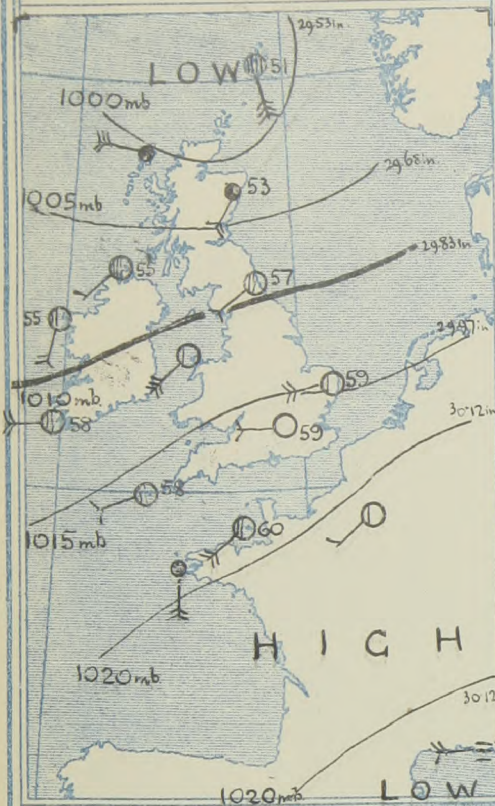
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 19 <sup>TH</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1600	27.7	83.5

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 Meteorological Office.



19<sup>TH</sup>, JULY, at 1h. G.M.T.

THE MORNING OF FRIDAY, 19<sup>TH</sup>, JULY 1918, at 7h. G.M.T.



**EXPLANATION.**

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

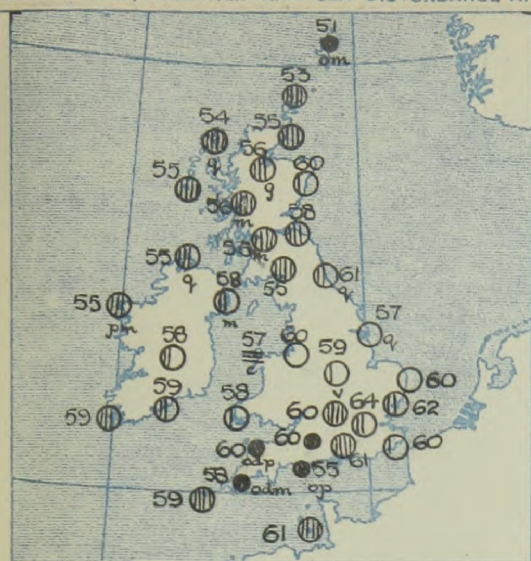
SCALE: 1" = 100 Nautical Miles  
 1" = 150 Statute Miles

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





TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

Notes on the Weather of the 24 hours ended 7h Today.

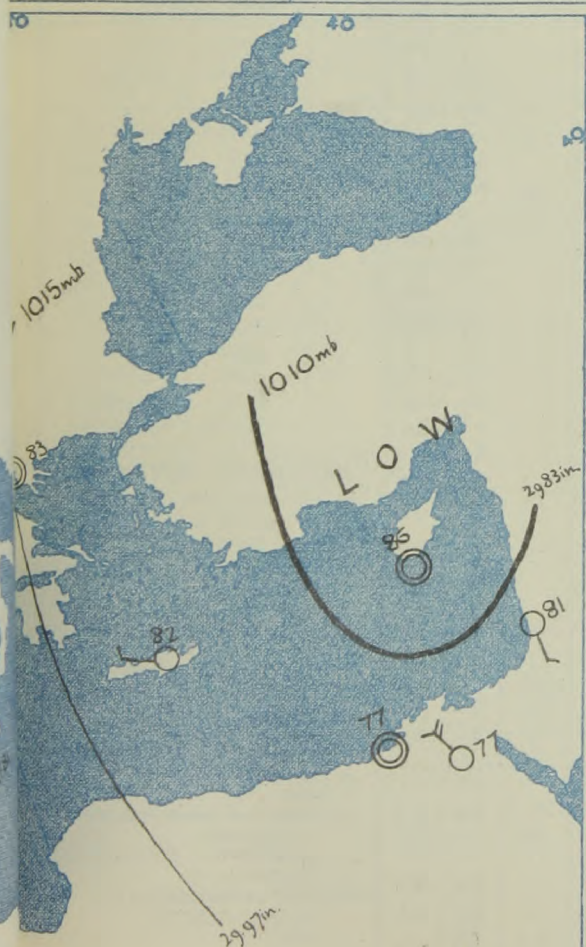
During the past 24 hours there was slight precipitation over Great Britain, heavy in the north of Scotland (Deerness 29mm); thunderstorms occurred in a few localities. Weather was fair in Ireland, fair or cloudy with local showers in England, and generally dull and misty in Scotland the greatest amounts of sunshine being recorded in the south (Clacton 13.0 hrs, Scilly, 11.9 hrs., Valencia 11.5 hrs) Temperatures were moderate.

The Conditions at 7h Today

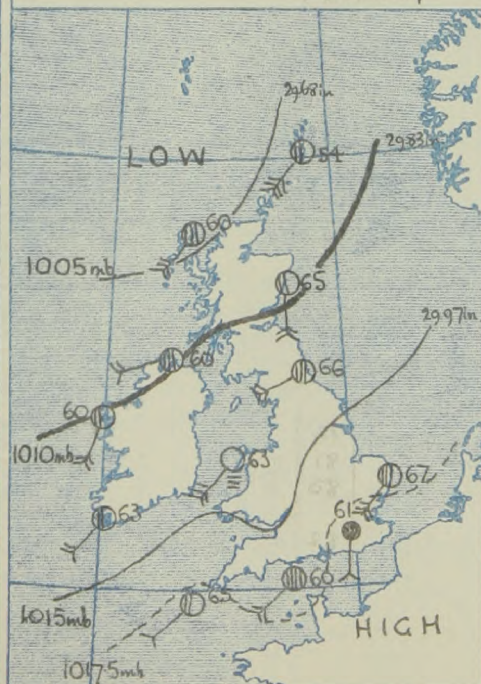
The depression north of Scotland is now centred near Thorshavn; there is another depression near North Cape, and a third between the Azores and our south-western districts. Pressure is high over Central Europe and again south of Madeira. There is a shallow secondary in the western Channel.

The Outlook.

The barometer is rising generally in these Islands, and the Scottish depression is passing away to the north-west, but over the western Channel the barometer is changing little and the secondary is making its way eastward. It is at present difficult to say whether the rise of the barometer over these Islands will continue and bring in anticyclonic conditions or whether the depression NE of the Azores will begin to affect our weather.



FRIDAY, 19th, JULY, 1918, at 13h. (1p.m.) G.M.T.



The barometer is continuing to rise briskly at Lerwick and the winds are freshening in NW Scotland. Elsewhere the changes are slight, but the secondary depression over the English Channel is slightly more developed.



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No.299

FRIDAY  
19<sup>TH</sup> JULY

STATIONS.		EVENING OF 18 <sup>TH</sup>					MORNING OF 19 <sup>TH</sup>										24 HOURS ENDED 7 h 19 <sup>TH</sup>					Sun- shine for 18 <sup>TH</sup> Hours.		
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	WIND.		Force 0-12.	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	9960	52	S	6	SE.	10025	+4	51	-1	SSW	5	-	om	3	22	55	50	gr.	SE.	om				
Deerness (Orkney)	9952	54	SW	3	om.	10020	*	53	0	SW	3	-	o	3	29	55	51	grm.	om.	mo.	00			
Stornoway	9991	54	NW	5	om.	10028	+2	54	-1	W	5	-	om	4	24	56	52	or.	om.	or. or.	00			
Castletay (Barralsd.)	10021	55	NW	3	r.	10054	0	55	-2	WSW	3	-	o	3	5	61	54	or.	om.	r. o. c.	02			
Glasgow	10030	60	W	5	om	10092	+1	56	0	SSW	3	-	om	*	1	65	51	opcu.	ed. pr.	od. bc	47			
Eskdalemuir	10047	55	SW	3	o.	10105	+1	55	+1	S	4	-	o	*	5	63	48	om. op. c.	o. dr.	o. pr. bc	53			
Malin Head	10048	58	W	4	bcq.	10072	+1	55	-1	SW	4	SW	cg.	3	-	61	52	bc	bc.	cg. pr.	50			
Blacksod Point	10066	56	S	3	bc	10087	0	55	0	SSW	5	-	cmp	4	1	63	54	bc	bc.	bc. bc.	*			
Valencia (Cahirciveen)	10089	61	S	4	bc.	10128	+1	69	+3	S	2	SW	c	3	-	66	55	b. bc.	bc. c.	b. bc.	11.5			
Roche's Point	10107	62	SW	4	b.	10135	*	59	+3	SW	2	W	bc	2	0.4	64	56	c. bc.	bc. b.	b. bc.				
Birt Castle	10075	67	SW	2	c.	10128	*	58	-1	S	1	S	bc	*	-	68	52	c.	bc.	c. bc.	88			
Donaghadee	10054	61	NW	4	cg. pr. bc.	10098	+3	58	+1	W	4	W	bc.	2	2	68	52	cg. bc.	cg. pr. bc.	bc.	*			
Liverpool (Bidston)	10089	62	SW	4	c.	10137	+1	60	0	SW	3	W	b	3	4	64	55	bc. bc.	p. bc.	b. bc.	59			
Holyhead	10090	60	SW	6	bcq.	10128	+1	57	-1	SW	4	SW	cg.	3	0.4	63	55	c. bc.	cp. c. bc.	bc. c. b.	65			
Penbroke (St. Ann's)	10123	59	SSW	4	bcq.	10150	+1	58	0	S	2	SW	b	3	1	62	56	cg.	cg. bc.	bc. c. b.	10.2			
Hartland Quay	10139	61	SW	6	c.	10158	0	60	0	S	1	-	od. pr.	3	0.4	62	58	pr. o. bc.	bc. o.	bc. b.	*			
Scilly (St. Mary's)	10139	62	NW	3	bc	10157	0	59	+1	-	0	SW	0	3	0.4	64	56	b.	c. bc.	bc. ad.	119			
Falmouth	10158	-1	58	-1	S	1	-	m	*	1	66	58							od	99				
Jersey (St. Aubin)	10183	64	SSW	3	b	10190	*	61	-1	SE	3	-	o	3	1	67	59	b.	b. bc. b.	b. pr. o.	125			
Portland Bill	10151	60	WSW	5	c	10171	0	59	0	SSW	5	-	op	4	Trace	61	58	bcq.	bc.	op	*			
Dungeness	10153	62	WSW	5	b.	10189	+1	60	0	SW	3	SW	b	3	-	66	58	bc. b.	b.	bc. bc.	*			
Wick	9971	55	SSW	3	om.	10027	+4	55	+2	SW	4	-	o	3	9	57	52	SE. om.	om.	om. pr.	*			
Nairn	9981	56	-	0	r.	10046	*	56	+1	WSW	3	-	cg	2	21	57	52	r. o.	r. d. o.	r. d. o.	00			
Aberdeen	9990	63	SSW	2	o	10063	+3	60	+3	SSW	3	SW	b	2	6	57	56	or. o. c.	c. out. pr.	c. c. b.	0.4			
Leith	10018	63	NW	3	c	10081	+2	58	+2	WSW	1	W	c	2	0.3	69	53	r. o. c. u. c.	cp. c. u. c.	cp. u. c.	*			
Tynemouth	10033	60	NW	4	cg.	10101	+2	61	+1	SW	4	S	bcq.	3	4	67	55	om.	om.	bcq.	*			
Spurn Head	10089	58	WSW	4	op.	10155	+1	57	-3	SW	4	-	bcq.	4	8	63	53	cg. pr.	cg. pr.	bcq.	30			
Yarmouth (Gorleston)	10103	63	WSW	6	bcq.	10161	+3	60	-1	WSW	4	-	b	4	0.3	71	54	bcq.	bcq. pr.	bcq. pr.	11.1			
Clacton-on-Sea	10130	66	SW	5	bc	10186	+3	62	+1	SW	4	SW	bc	3	1	68	58	bc	bc. cpq.	bc	130			
Nottingham	10105	64	W	3	c	10154	*	59	-1	SW	3	SW	bv	*	3	68	52	c. out. pr.	op. c.	bc. b.	57			
Benson (Oxon.)	10134	68	SW	4	c	10170	+1	60	0	SSW	2	-	o	*	2	69	53	or.	pr. bc.	r. bc. o.	*			
Sth Farnborough	10143	65	SW	5	c	10180	0	61	+1	SW	4	-	o	*	3	68	55	op. cpq.	pr. pr. bc.	c. b. o.	86			
Salisbury Plain	10147	61	SSW	3	bc	10175	0	60	+1	S	4	S	od	*	4	67	53		bcq. pr.	bc	68			
London (Kew Obs.)	10145	62	WSW	3	bc	10183	+1	64	+2	SSW	2	SW	bc	*	1	69	56	cg. cp. bc.	bc. pr. bc.	bc. pr. bc.	88			
NORTHERN EUROPE.																								
Spitsbergen	10163	45	N	6	c	10136	+2	50	+9	SE	3	*	bc	*	*	46	37							
Vardö	10115	43	N	1	b	10059	-1	46	0	S	5	-	r	3	*	46	31							
Bodö	10111	64	N	1	b	10079	-1	61	-7	N	1	-	b	1	-	68	54							
Christiansund	10056	72	SE	1	o	10078	+1	59	-5	NW	1	-	r	2	19	77	57							
Skudesnaes	10067	59	E	3	c	10072	-0	59	-5	SE	2	-	o	5	6	64	55							
Færder (Xania Fjord)	10103	59	S	6	r.	10091	+0	59	-5	SW	4	-	o	2	23	68	57							
The Scaw (Skagen)	10103	59	W	2	r.	10094	+0	57	-6	S	1	-	o	1	21	64	55							
Blaavands Huk	10142	63	WSW	2	b	10148	+4	61	-7	W	4	-	b	*	-	68	57							
Copenhagen	10123	63	-	0	m	10140	+1	63	-3	NE	3	-	c	*	20	66	57							
Bornholm	10136	59	SE	2	r.	10143	+1	61	-3	WSW	3	W	bc	1	15	70	57							
FRANCE, &c.																								
The Helder	10120	64	SSW	6	b.	10179	+3	61	-2	SW	4	-	c	3	-	66	61							
C. Gris Nez	10166	61	SW	6	b	10203	+2	61	0	SW	4	*	bc	3	-	66	61							
La Hève	10183	59	NE	1	b	10219	*	61	+2	SSW	3	*	o	-	-	70	59							
Brest (St. Mathieu)	10194	61	S	5	c	10166	-2	59	-2	SSW	6	*	5	4	3	66	59							
Rochefort (Ile d'Aix)	10232	68	SW	5	b	10226	+1	64	-4	E	1	*	b	*	-	75	61							
Biarritz	10220	72	NNE	3	b	10211	0	68	-2	S	1	*	b	2	-	81	61							
Paris	10188	75	W	3	b.	10236	+1	63	-1	SSW	2	-	c	*	-	79	54							
Belfort	10199	70	NW	3	o	10255	*	63	-7	-	0	*	m	*	-	90	54							
Lyons	10203	73	NW	3	b	10247	*	64	-6	NW	1	*	b	*	-	82	59							
Nice	10162	?	E	1	b	10175	+1	73	-6	-	0	*	b	0	-	90	65							
Perpignan	10182	86	NW	1	b.	10219	-2	73	0	W	1	*	b	*	-	91	63							
Sanguinaire																								
IBERIA, &c.																								
Corunna	10212	75	SSW	5	bc	10215	-1	72	-2	SSW	1	-	b	2	-	77	63							
Madrid																								
Lisbon	10220	75	NW	3	b	10214	+0	64	-2	N	1	-	c	5	-	79	63							
Azores (Horta)	10135	*	WSW	6	bc	10188	+4	64	-2	NNE	4	*	o	3	-	73	64							
„ (P. Delgada)	10163	*	SW	4	5	10170	+3	66	-2	NW	4	*	o	3	4	73	66							
Madeira	10219	72	?	6	b	10230	-1	64	0	NE	1	-	o	1	-	73	64							
Gibraltar	10186	73	NW	3	b.	10203	*	68	-2	SSW	3	*	b	2	-	80	65							
Palma																								
MEDITERRANEAN.																								
Algiers	10190	82	-	0	b	10208	+2	72	?	-	0	-	m	0	-	90	70							
Malta	?	*	*	*	*	10183	+2	81	+2	NW	2	-	b	1	-	84	79							
Salonica	10128	88	S	3	b.	10150	+1	83	0	-	0	-	b	*	-	?	73							
Athens																								
Candia	10122	81	W	1	b	10143	-1	82	+1	NW	1	S	b	1	-	88	73							
Limassol	*	*	*	*	*	10091	+1	86	0	-	0	-	b	0	-	99	66							
Alexandria	10110	77	N	2	b	10114	+2	77	-2	-	0	-	b	0	-	88	73							
Cairo (Helwan)	10091	91	N	3	b.	10112	+2	77	0	NW	3	-	b	*	-	101	70							
Jerusalem	?	68	W	3	b.	?	?	79	-3	N	1	-	b	*	-	91	70							
Ramleh	10088	82	-	0	b	10104	+2	81	-1	S	1	-	b	*	-	95	68							



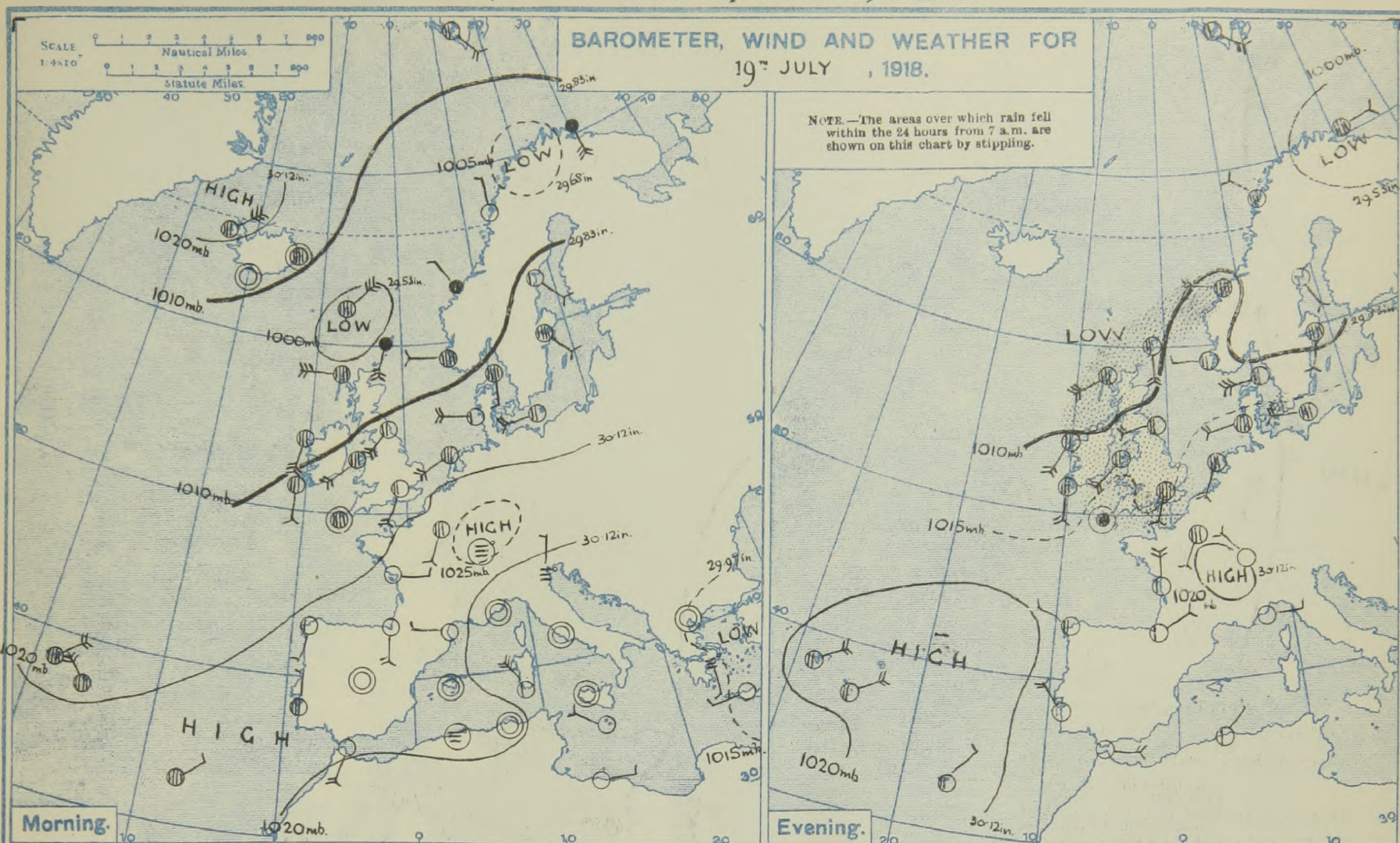
# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20694

Saturday, 20<sup>th</sup> July, 1918.

## BAROMETER, WIND AND WEATHER FOR 19<sup>th</sup> JULY, 1918.

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



### WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 19<sup>th</sup> JULY

STATIONS.		EVENING OF 18 <sup>TH</sup>					MORNING OF 19 <sup>TH</sup>										MORNING OF 19 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.
		° F.					;	° F.	° F.					° F.	° F.			° F.	° F.				
RUSSIA.	Archangel ...													*	*		Isafjord ...	1020.6	45	-1	NE	6	c
	Petrograd ...													*	*		Reykjavik	1014.2	55	+3	-	0	c
	Moscow ...													*	*		Vestmanna	1010.6	48	+2	-	0	b
SWEDEN.	Hernösand ...	1015.6	61	SE	2	b c	1010.7	*	64	+3	SE	2	b	*	*	*	Seydisfjord	1014.6	45	0	-	0	o
	Stockholm ...	?	64	SE	2	b	1011.2	*	66	+2	SE	2	o	*	*	*	Thorshavn	996.9	53	0	NE	5	o
	Wisby ...	1015.3	63	NNW	2	b	1011.4	*	64	+1	SW	2	c	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
																		July 20 <sup>th</sup> 21 <sup>st</sup> 1918.		Sunrise.	Noon.	Sunset.	
ITALY.	Venice ...						1016.1	*	79	-3	NNE	1	m	-	86	75							
	Turin ...						1017.1	*	67	-10	-	0	m	-	89	72							
	Pesaro ...						1017.0	*	86	0	-	0	b	-	91	79							
	Leghorn ...						1017.9	*	81	0	-	0	b	-	88	70							
	Rome ...	1018.6	81	-	0	b	10183	*	77	1	-	0	b	75	83	68							
	Viesti ...	1016.6	81	NW	1	b	1016.7	*	81	0	-	0	b	-	86	75							
	Brindisi ...							*															
	Cagliari ...						1015.9	*	75	-2	NW	5	b	-	?	?							
	Palermo ...	1018.3	81	-	0	b	1018.7	*	72	+1	-	0	b	-	89	64							
Tripoli ...						1021.1	*	75	-4	E	1	b	-	99	68								
																	Yarmouth ...	...	{	3.54 3.56	11.54 11.59	8.4 8.2	
																	Greenwich ...	...	{	4.8 4.9	12.6 12.6	8.5 8.3	
																	Wick ...	...	{	3.39 3.41	12.18 12.18	8.57 8.55	
																	Valencia ...	...	{	4.46 4.47	12.47 12.47	8.49 8.48	

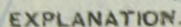
LONDON				24 HOURS ENDED 9 h. 30 <sup>th</sup>									
20 <sup>th</sup> July 9h. G.M.T.				HUMIDITY.			TEMPERATURE.			Rain-fall.	WEATHER.		
				15 h.	9 h.	Sun-shine for 19 <sup>th</sup>	Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
				%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory) ..				97	73	2.7	73	57	50	4.3	o.07	o	o
CITY (Bunhill Row) ..				*	*	1.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ..				96	77	?	70	58	43	8.0	*	*	*
" (Roof near Charing Cross) ..				95	69	1.6	71	59	*	8.0	cm. 7m	7m. 5m	*
CAMDEN SQ. (British Rainfall) ..				100	69	0.7	72	57	52	7.6	o.07	o.07	*
KENSINGTON PALACE ..					82	1.3	70	58	49	7.9	o.07	o.07	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 19 <sup>th</sup> ...		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
570	9.9	47
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 Meteorological Office.		



THE MORNING OF SATURDAY, 20<sup>th</sup>, JULY 1918, at 7h. G.M.T.



**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. Color

TEMPERATURE — Gives in degrees Fahrenheit.

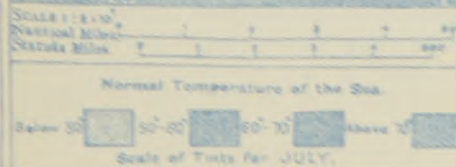
WEATHER.—Shown by the following symbols:—

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

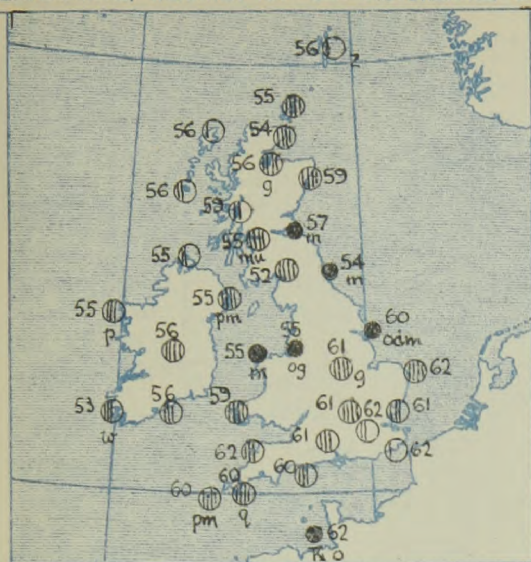
Day & cleared, Overcast sky. ☉ rain falling.

snov. ▲ hail. ≡ fog. ≡ mist. T, thunder.  
⌘ thunderstorm.

SEA DISTURBANCE. - Rough ~~~~~ High ~~~~~







GALES.

Notes on the Weather of the 24 hours ended 7h Today.

There was some precipitation over most of these islands yesterday, but it was heavy only in Wales (Holyhead 14 mm) and in Glasgow (14 mm). Weather was fair at first but soon became dull, misty and showery over most of the country; a thunderstorm occurred at Jersey early this morning. The greatest amount of bright sunshine (10.9 hrs.) was recorded at Nairn and Aberdeen. Temperatures continued moderate.

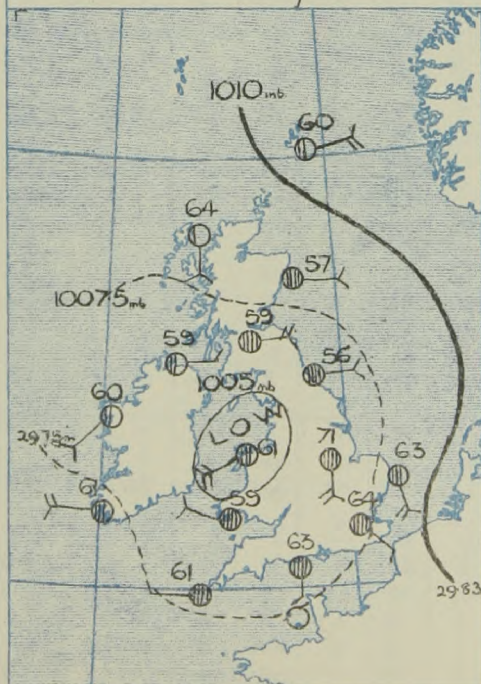
The Conditions at 7h Today.

There is a large indefinite depression off the Western Coasts of France and the British Isles, with a local centre in the Bay of Biscay; another depression lies over Northern Scandinavia. Pressure is high over Central Europe and also between the Azores and Gibraltar. Winds over these islands are mainly light between SE and SW, with local rain and mist and a tendency for thunder.

The Outlook.

The barometer is falling generally over Ireland, England and France, but steady in the North of Scotland, while at Corunna it is rising briskly, so that the depression to the west is likely to advance eastwards across Southern England or France bringing very unsettled weather with much rain, mist and local thunder.

Saturday, 20<sup>th</sup>, JULY, 1918, at 13h. (1p.m.) G.M.T.



Pressure is very uniform over the British Isles, but there is a shallow centre of low pressure over the Irish Sea. The barometer is still falling in the east but changing little in the west.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 201

Saturday  
20th July

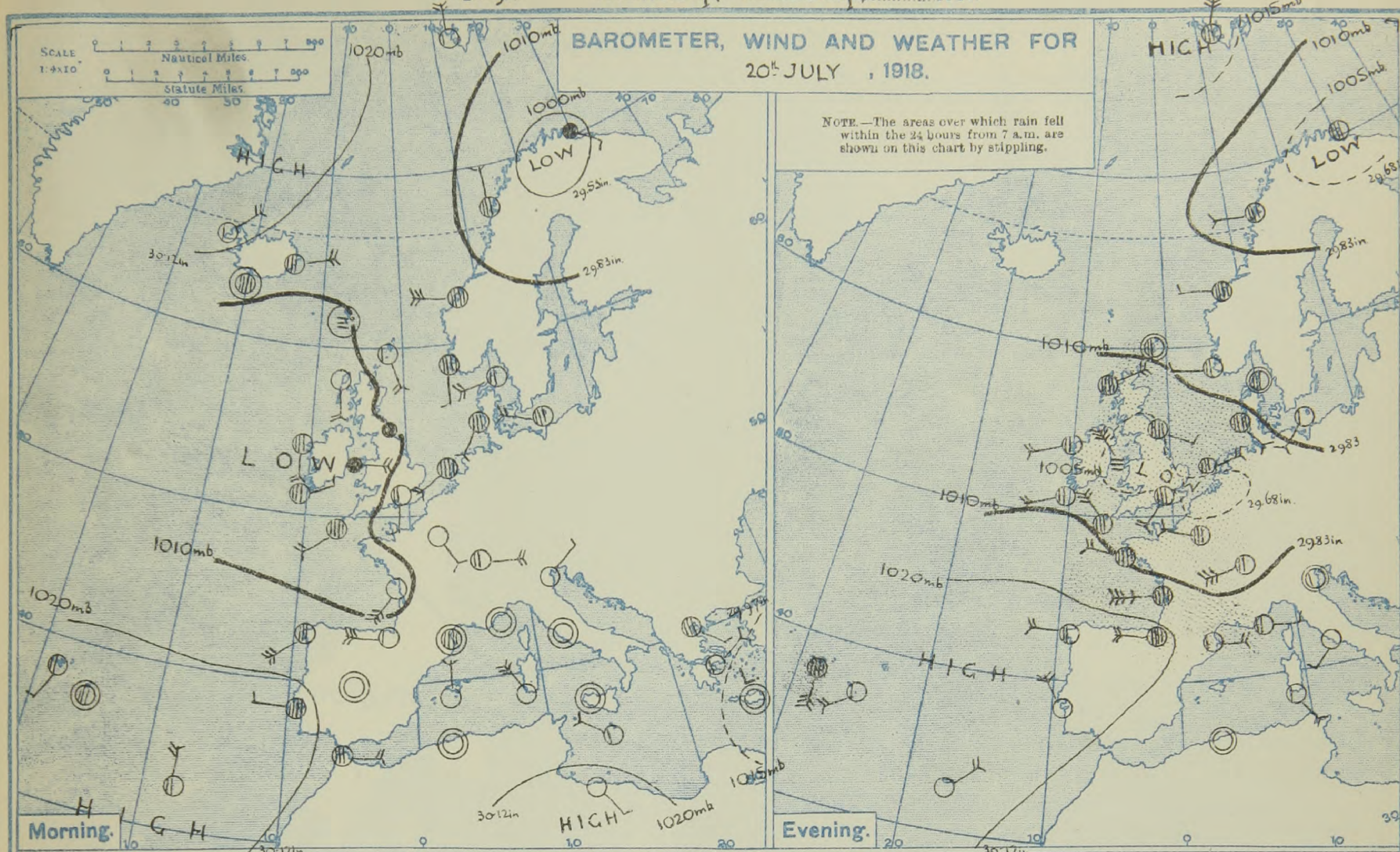
STATIONS.		EVENING OF 19 <sup>TH</sup>					MORNING OF 20 <sup>TH</sup>										24 HOURS ENDED 7 h. 20 <sup>TH</sup>							Sun- shine for 19 <sup>TH</sup> Hours.
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Direc. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
				Direc.	Force 0-12.				°F.	°F.							Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	10095	54	S	4	bc	1011.8	+1	56	+5	SSE	3	-	b3	2	0.4	57	50	c	c	5			
	Deerness (Orkney) ...	1008.1	56	S	3	c	1010.1	*	55	+2	SE	2	-	o	2	2	62	50	a.c.bc	b.c.p	c.o			
	Stornoway ...	10058	58	SW	5	cdpq	1007.6	0	56	+2	S	3	-	b	2	1	61	53	acq	cdpq	cb.b			
	Castlebay (Barra Isd.) ...	1007.7	57	WSW	5	c	1007.2	0	56	+1	SSE	3	S	bc	3	1	58	55	a.c.o	o.be	cbpbc			
	Glasgow ...	1011.6	58	SW	2	om	1009.3	-2	55	-1	E	1	-	oum	*	16	65	53	om.c	c.om	cb.om			
	Eskdalemuir ...	1012.6	62	SSW	4	bc	1009.7	-3	52	-3	NNE	1	-	ou	*	1	62	47	a.op.oc	c.bc	bc.wo			
	Malin Head ...	1009.0	60	WSW	3	bc	1007.2	-2	55	0	S	2	SW	bc	1	0.3	63	62	bcq	cp	bc			
	Blacksod Point ...	1011.2	61	SSW	4	bc	1006.7	-2	55	0	S	3	-	cb	3	1	65	51	om	bc	bc.cb			
	Valencia (Cahirciveen) ...	1012.3	61	S	3	c	1007.0	-2	53	-6	ENE	1	SW	cb	2	-	65	47	c.bc	bc.c	bc.w			
	Roche's Point ...	1013.6	59	SSW	3	o	1006.9	*	56	-3	NW	1	N	c	2	4	64	45	bc	bc.o	or.c			
	Birr Castle ...	1011.4	65	W	1	c	1007.0	*	56	-2	NE	1	-	o	*	1	69	55	a.c	cb	c.o			
	Donaghadee ...	1010.8	63	SSW	5	bcq	1008.1	-2	55	-3	SW	2	-	omp	1	1	70	55	bcm	bcq	ogmp			
	Liverpool (Bidston) ...	1014.0	64	NNW	1	o	1008.0	-3	55	+5	SE	3	-	org	2	5	67	55	bc.o	bc	or			
	Holyhead ...	1014.7	60	SW	4	bcq	1006.5	-4	55	+2	E	4	-	om	3	14	64	55	a.bc.b	b.bc	b.b.c			
	Pembroke (St Ann's) ...	1015.3	60	S	2	o	1007.5	-2	59	+1	S	4	-	og	5	11	64	53	b.bg	c.b.c	cb.or			
	Hartland Quay ...	1015.8	61	SSW	2	od	1006.8	-2	62	+2	S	5	SW	cb	4	1	64	58	o	a.c.o	od.to			
NORTHERN EUROPE.	Scilly (St. Mary's) ...	1015.4	58	-	0	or	1066.6	-1	60	+1	SW	3	SW	omp	5	4	67	57	bc	c.omp	omp			
	Falmouth ...	1016.1	60	SW	2	og	1007.3	-2	60	+2	SSW	6	-	og	*	4	66	57	og	op.bcf	dm.or			
	Jersey (St. Aubin) ...	1018.2	66	WNN	3	b	1009.4	*	62	+1	SE	3	-	atlt	2	1	71	58	a.bc	c.b	ab.lt			
	Portland Bill ...	1016.0	59	SW	5	bc	1010.2	-2	60	+1	S	3	SW	c	3	7	61	56	or	bc	c.bc			
	Dungeness ...	1016.6	65	SW	3	b	1012.9	-2	62	+2	S	2	SW	b	2	-	68	57	c	c.bc	q.bc			
	Wick ...	1008.0	62	SW	3	c	1009.4	0	54	-1	ESE	1	-	o	1	-	65	52	omge	c	bc.og			
	Nairn ...	1008.1	64	WSW	4	bc	1008.6	*	56	0	-	0	-	og	0	0.2	67	49	c.bcq	bq.by	bc.cd			
	Aberdeen ...	1009.9	67	SW	4	by	1010.8	0	59	-1	SSW	2	-	o	2	0.2	69	54	bc.cb	bc.by	bc.cd			
	Leith ...	1011.6	61	WSW	1	m	1009.2	0	57	-1	ESE	1	-	rm	1	1	70	55	c.bc.b	b	pu.or			
	Tynemouth ...	1012.3	67	WSW	3	bcm	1009.6	-2	54	+7	-	0	-	rm	2	9	69	54	umq	bcm	omr			
	Spurn Head ...	1014.7	67	SSW	3	bc	1011.0	-2	60	+3	S	2	-	odm	3	-	73	54	c	c.bc	odm			
	Yarmouth (Gorleston) ...	1016.2	62	SW	4	o	1012.6	-2	62	+2	SSW	3	-	o	2	1	72	59	b.bc	ogp	c.odm			
	Clacton-on-Sea ...	1016.1	64	ENE	2	bc	1012.8	-3	61	-1	SSE	3	W	c	2	2	67	60	bc.cb	ogp bc	bc.c			
	Nottingham ...	1014.4	66	S	2	c	1009.9	*	61	+2	SSE	2	S	og	*	0.4	72	58	bc.c	c.bc	c			
	Benson (Oxon.) ...	1014.8	62	-	0	o	1010.3	-3	61	+1	S	2	-	o	3	3	63	58	odm	or	bc.o			
	Sth Farnborough ...	1015.4	63	SW	3	o	1011.4	-2	61	0	SSE	5	SW	bc	*	7	64	58	o.ortm	ortm.o	or.qbc			
Salisbury Plain ...	1014.8	65	W	2	c	1010.0	-4	61	+1	SE	3	S	c	*	4	65	57	or.c	or.c	ol.ac				
London (Kew Obsy.) ...	1015.0	66	SW	2	o	1011.3	-3	62	-2	S	1	SW	bc	*	9	66	58	bc.ortm	ortm.o	o.ortm				
FRANCE, &c.	Spitsbergen ...	1017.6	46	SE	5	bc	1018.7	+1	48	-2	N	4	*	b	*	*	50	41						
	Vardö ...	999.6	46	E	2	o	998.6	-1	46	0	SE	1	-	r	2	*	48	39						
	Bodö ...	1005.9	52	NW	2	c	1007.2	0	50	-11	N	2	NE	c	2	-	61	48						
	Christiansund ...	1011.2	57	W	3	o	1013.1	0	55	-4	W	5	-	o	3	1	64	54						
	Skudesnaes ...	1013.1	59	W	1	bc	1013.4	0	61	+2	S	1	-	o	2	-	61	55						
	Færder (X'tania Fjord) ...	1008.4	63	SW	6	bc	1011.1	+2	64	+5	W	1	NW	b	3	-	64	59						
	The Scaw (Skagen) ...	1012.7	59	WSW	5	bc	1013.1	+1	59	+2	WSW	4	-	bc	4	-	63	55						
	Blaavands Huk ...	1017.8	59	WSW	3	o	1016.2	+2	61	0	SSW	2	W	c	*	-	63	55						
	Copenhagen ...	1016.4	66	WNN	3	b	1016.7	-1	59	-4	W	2	-	bc	*	1	70	55						
	Bornholm ...	1016.2	63	W	3	m	1016.7	-1	57	-4	WNN	3	-	c	0	Trace	64	57						
	The Helder ...	1018.3	64	SSW	3	a	1013.6	-2	59	-2	SW	3	-	o	1	-	66	59						
	C. Gris Nez ...	1017.9	68	SW	2	b	1012.7	-3	68	+7	SE	2	*	b	1	-	75	57						
	La Hève ...	1018.2	64	WNN	4	b	1012.2	*	66	+5	ENE	4	*	b	-	-	75	59						
	Brest (St. Mathieu) ...	1017.9	61	S	3	f	1010.2	-2	61	+2	S	3	*	o	-	-	68	59						
	Rochefort (Ile d'Aix) ...	1017.9	73	N	4	b	1007.4	-4	72	+8	SSW	6	*	b	*	-	86	61						
	Biarritz ...	1017.8	73	NE	2	b	1013.4	+5	70	+2	W	5	*	b	-	-	82	66						
IBERIA, &c.	Paris ...	1019.6	77	S	2	c	1013.2	-4	72	+9	SE	2	-	b	*	-	82	61						
	Belfort ...	1019.8	77	NW	2	b	1017.8	*	66	+3	E	4	*	bc	*	-	82	55						
	Lyons ...	1019.8	77	NW	2	b	1015.6	*	64	0	SE	1	*	b	*	-	84	57						
	Nice ...	1017.8	73	E	1	b	1017.9	+2	75	+2	-	0	*	b	*	-	86	66						
	Perpignan ...	1018.2	84	-	0	b	1014.8	-1	72	-1	-	0	-	o	*	-	90	64						
	Sanguinaire ...	1018.2	73	SSW	2	m	1018.0	*	77	1	SE	2	-	m	-	-	93	70						
	Corunna ...	1019.8	70	WNN	2	bc	1018.2	+8	68	-4	SW	5	-	c	3	-	73	63						
	Madrid ...	1019.1	77	NW	3	b	1022.0	+1	66	+2	W	1	-	o	5	-	82	63						
	Lisbon ...	1021.8	*	NE	4	bc	1023.0	0	64	0	S	1	*	bc	2	-	72	61						
	Azores (Horta) ...	1020.6	*	NE	4	bc	1023.4	+1	64	-2	-	0	*	c	3	-	72	63						
	" (P. Delgada) ...	1022.2	73	NE	7	bc	1023.2	0	64	0	N	3	-	bc	*	-	73	64						
	Madeira ...	1019.3	73	E	3	b	1018.9	*	67	-1	E	3	*	b	2	-	86	62						
	MEDITERRANEAN.	Algiers ...	1019.4	75	NE	1	b	1017.2	0	75	+3	-	0	-	b	0	-	81	68					
		Malta ...	*	*	*	*	*	1017.8	+1	77	-4	NW	2	-	b	1	-	86	73					
		Salonica ...	1013.0	84	NW	1	bc	1017.1	3	81	-2	SSE	1	NW	c	*	Trace	46	75					
		Athens ...																						
Candia ...		1014.0	81	-	0	b	1014.2	0	81	-1	-	0	W	b	0	-	90	75						
Limassol ...		*	*	*	*	*	1009.2	0	86</															



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20695.

Sunday, 21<sup>st</sup> July, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF Saturday, 20<sup>th</sup> JULY.

STATIONS.		EVENING OF...19 <sup>th</sup> ...					MORNING OF...20 <sup>th</sup> ...										MORNING OF...20 <sup>th</sup> ...						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.
		° F.						° F.	° F.					° F.	° F.			° F.	° F.				
RUSSIA.	Archangel ...													*	*								
	Petrograd ...													*	*								
	Moscow ...													*	*								
SWEDEN.	Hernösand ...	1005.9	61	SSE	2	b	1010.0	*	59	-5	NNE	2	b	*	*	*		1022.3	48	+3	NE	3	b
	Stockholm ...	1009.6	59	SSW	2	b	1011.9	*	64	-2	W	2	bc	*	*	*		1011.8	55	0	E	1	b
	Wisby ...	1011.5	61	?	?	c	1011.0	*	61	-3	-	0	b	*	*	*		1010.2	46	-2	-	0	o
ITALY.	Venice ...	1018.5	81	ENE	2	b	1018.3	*	79	0	NNE	1	b	-	88	72	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Turin ...	1017.0	81	-	0	b	1018.6	*	75	+8	-	0	c	-	95	72	21 <sup>ST</sup> & 22 <sup>ND</sup> JULY, 1918.						
	Pesaro ...						1018.1	*	81	-5	-	0	b	-	90	66	Sunrise.		Noon.		Sunset.		
	Leghorn ...	1017.9	77	-	0	b	1017.8	*	79	-2	-	0	b	-	82	70	G.M.T.		G.M.T.		G.M.T.		
	Rome ...	1018.2	79	SW	1	b	1018.1	*	79	+2	-	0	b	-	91	68	3.56		11.59		8.2		
	Viesti ...	1016.7	86	-	0	b	1016.7	*	82	+1	NW	1	b	-	86	72	3.58		11.59		8.0		
	Brindisi ...							*									4.9		12.6		8.3		
	Cagliari ...	1016.9	88	SE	4	b	1016.9	*	77	+2	NW	5	pb	-	89	72	4.10		12.6		8.2		
	Palermo ...	1017.9	79	-	0	b	1017.9	*	79	+7	-	0	b	-	90	70	4.41		12.18		8.55		
Tripoli ...						1021.3	*	77	+2	SSE	1	b	-	99	66	3.43		12.18		8.53			
																	4.47		12.47		8.48		
																	4.48		12.47		8.44		

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

21 <sup>st</sup> JULY 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	3.56	11.59	8.2
Greenwich	...	3.58	11.59	8.0
Wick	...	4.9	12.6	8.3
Valencia	...	4.11	12.18	8.55

LONDON		HUMIDITY.		Sun-shine for 20 <sup>th</sup> .	TEMPERATURE.				WEATHER.		
21 <sup>st</sup> JULY, 9h. G.M.T.		15h.	9h.		Max.	Min.	Min. on Grass.	Rain-fall.	Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)	...	90	60	3.1	73	57	52	6	o.ctr.	or.o	od
CITY (Bunhill Row)	...	*	*	3.4	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	...	87	53	3.0	72	58	*	3	otr.o	o	op.bc
(Admiralty Arch)	...	89	62	3.1	72	58	*	3	bc.c	omr	*
CAMDEN SQ. (British Rainfall)	...	97	59	1.5	73	57	54	3	bc	o	*
KENSINGTON PALACE	...	*	38	2.9	69	58	52	2	bc	omr	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

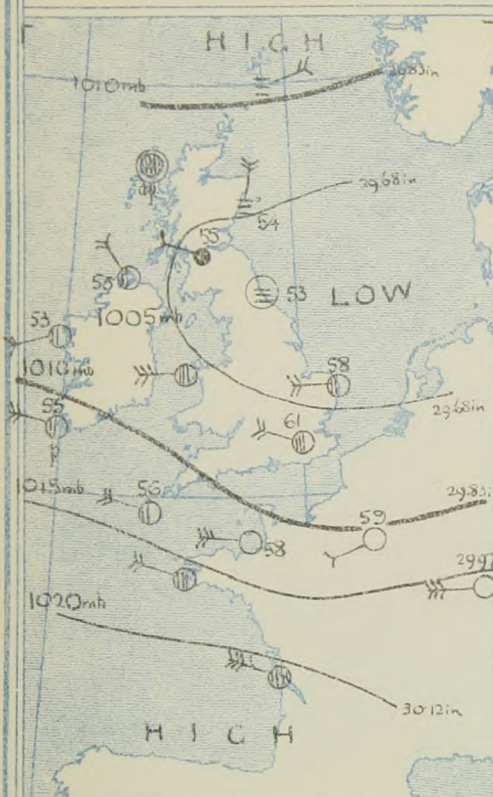
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 20 <sup>th</sup> .		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
780	13.6	52.5

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 Meteorological Office.



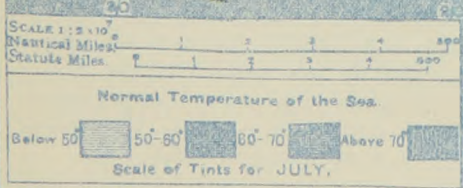
21<sup>ST</sup>, JULY, at 1h. G.M.T.

THE MORNING OF SUNDAY 21<sup>ST</sup>, JULY 1918, at 7h. G.M.T.

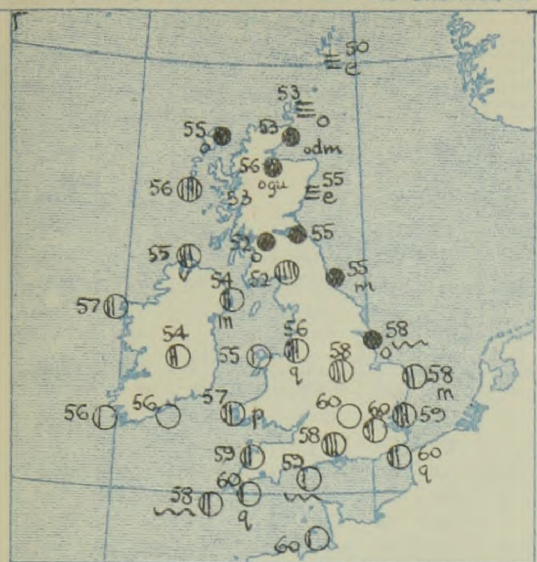


EXPLANATION.

**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 & cloudy. ○ sky & cloudy.  
 ○ sky & cloudy. ○ overcast sky. ☁ rain falling.  
 ☁ snow. ⚡ hail. ☁ fog. ☁ mist. ☁ thunder.  
**SEA DISTURBANCE**—Rough. High.







GALES.

Notes on the weather of the 24 hours ended 7h Today

The day temperature was below the normal over the country generally, very few localities touching 70°, but during the night the minima for the most part were above the normal, as high as 59° at Larnough. Weather was very variable, rainless in a few places, heavy rain in others, and thunderstorms locally. Salisbury Plain had 26mm of rain, Liverpool 28mm, and Larnough 37mm. Bright sunshine was also unevenly distributed, some stations had none, Castleby nearly 11½ hours.

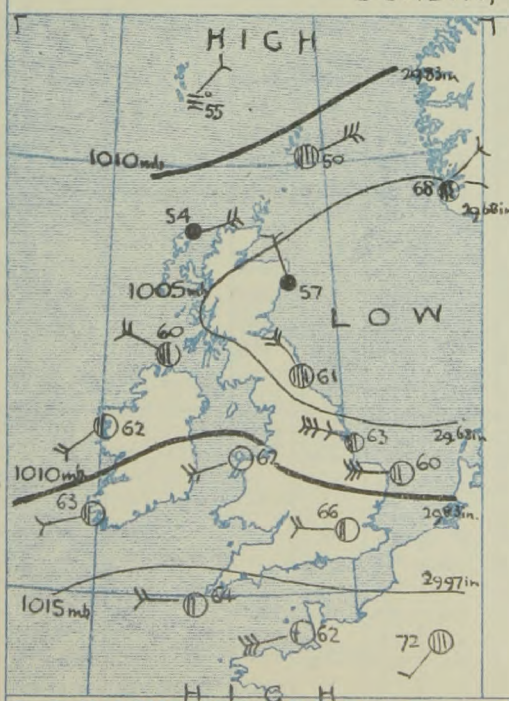
The Conditions at 7h Today.

The depression which was yesterday morning over the British Isles has since moved eastward, and now lies over the North Sea. There are indications of another depression off the west of Ireland. Pressure is high over Iceland and Greenland region, and between the Azores and Switzerland. The barometer is falling between Denmark and Northern Scotland and rising over England, the North Sea depression moving away to the north-east. In the west of Ireland the barometer has commenced to rise and the Atlantic depression remaining stationary at present, so that the conditions are likely to continue unsettled. Wind over these Islands are mostly moderate or fresh from W., but are NE in the North of Scotland. Weather is rainy in north, fair in the south.

As will be gathered from the 13h map given below the subsequent changes in the pressure distribution were slight. The wind direction varied considerably, and in some localities the W. current increased in force, strong or high in places, a gale off the Humber, while in the north of Scotland the NE breeze became light. The weather remained changeable.

H. H.

SUNDAY, 21<sup>ST</sup>, JULY, 1918, at 13h. (1p.m.) G.M.T.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No 202. Sunday 21st JULY

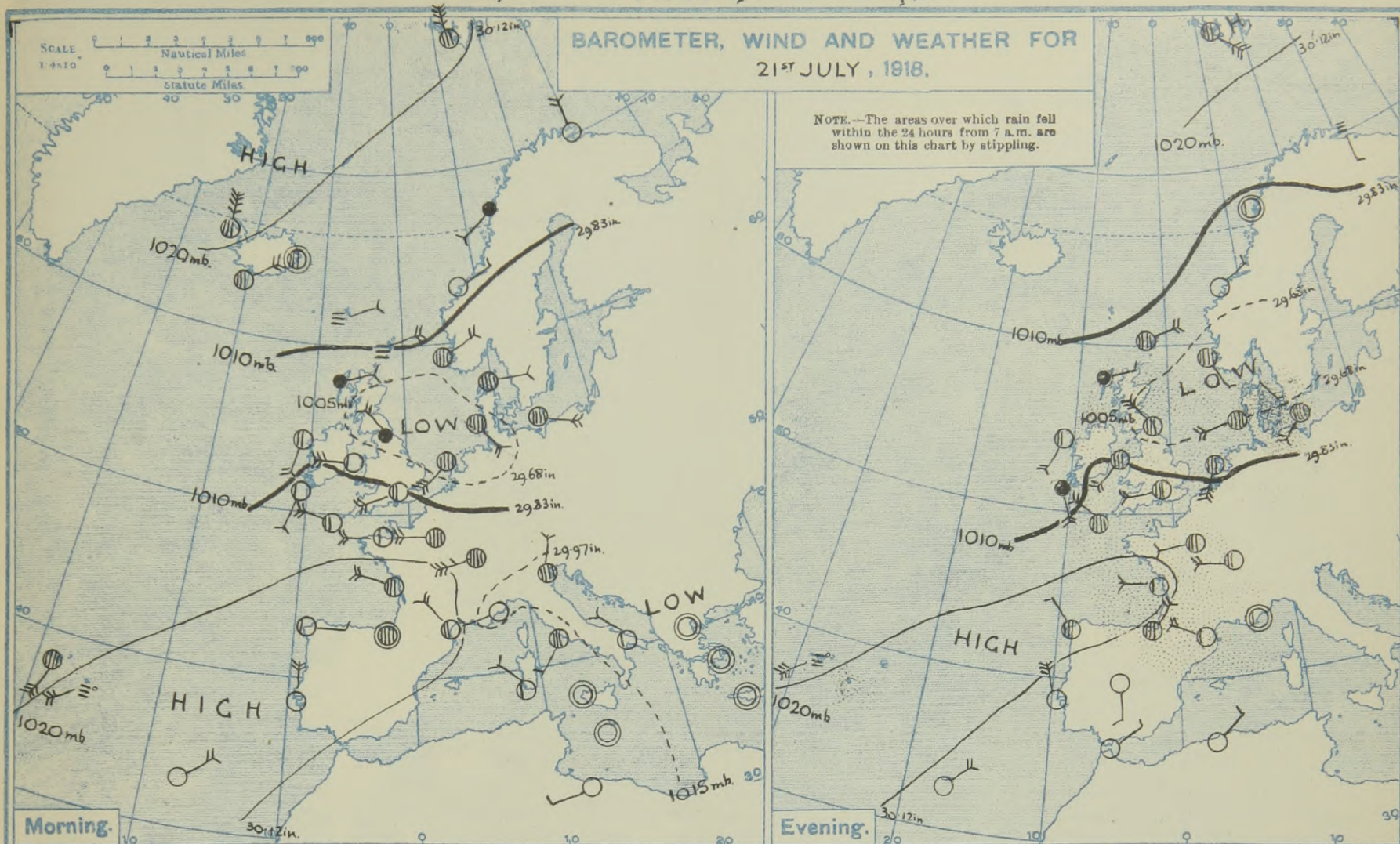
STATIONS.		EVENING OF 20th.					MORNING OF 21st.										24 HOURS ENDED 7 h. 21st.						Sun- shine for 20th
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 24 hours.	Temp. Dry Bulb. °F.	Change in 24 hours.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1011.8	57	-	0	bcm	1010.0	+2	50	-6	ENE	4	-	fe	2	Trace	62	48	bz	bz	fe	*	
	Deerness (Orkney)	1008.8	55	ESE	3	oz	1006.1	*	53	-2	NE	4	-	of	3	4	61	52	c. oz	c. oz	of	2.2	
	Stornoway	1007.5	59	ENE	4	o	1005.8	0	55	-1	ENE	2	-	or	1	11	65	54	b	b. o	or	8.8	
	Castlebay (Barra Isd.)	1006.4	59	WNW	2	o	1006.8	0	56	0	NW	3	-	o	3	-	63	55	bc. b	b. o	o	11.3	
	Glasgow	1005.0	58	ENE	2	og	1004.9	+1	52	-3	WNW	3	-	or	*	9	63	52	c. om	o	op. or	0.5	
	Eskdalemuir	1004.0	56	NNE	2	omd	1004.2	+2	52	0	WNW	5	-	o	*	19	57	52	o. om. o	or. o. or	cl. om	0.0	
	Malin Head	1006.6	57	NNW	2	c	1007.5	+1	55	0	W	3	W	cv	3	3	62	54	bc	bc	er	3.2	
	Blacksod Point	1007.0	59	WSW	3	bc	1008.3	+1	57	+2	SSW	3	SW	bc	3	-	61	56	bc	bc	bc	*	
	Valencia (Cahiriveen)	1009.5	61	WSW	3	bc	1011.0	+2	56	+3	SSW	2	-	b	3	4	63	53	c. bc	c. b. bc	cp. b	7.3	
	Roche's Point	1008.2	62	WNW	2	op	1011.7	*	56	0	W	2	-	b	2	1	65	53	c. op. o	op. o	c. b	*	
	Birr Castle	1005.8	62	SW	2	o	1011.0	*	54	-2	SSW	1	-	bc	*	-	66	48	o. c	c. o	c. bc	1.0	
	Donaghadee	1004.9	57	N	3	agmr	1007.1	+3	54	-1	W	3	W	bcm	2	1	60	54	ogm	ogm	amr. bc	*	
	Liverpool (Bidston)	1001.9	65	ESE	1	o	1007.5	+3	56	+1	W	5	NW	cq	4	28	74	55	c. o	bcl. o	opq	2.8	
	Holyhead	1003.1	56	NW	6	fuq	1009.3	+1	55	0	W	5	-	b	3	14	64	54	omr. pd	cf. fe	op. pd	1.4	
	Pembroke (St. Ann's)	1006.6	57	W	2	o	1012.0	+3	57	-2	WSW	3	SW	bcp	3	1	60	56	opq. o	o. c. o	or. bcp	0.8	
	Hartland Quay	1007.1	60	NW	3	o	1013.8	+1	59	-3	WSW	5	-	bc	4	0.2	66	58	pd. opq	o. od. o	od. bc	*	
	Scilly (St. Mary's)	1009.5	58	NW	5	cpq	1015.5	+2	58	-2	WNW	4	W	bc	5	11	63	55	omr. om	op. cp	bc	1.4	
	Falmouth	1007.5	58	NW	4	or. me	1014.9	+2	60	0	WSW	5	-	bq	*	5	66	53	cq. or	or. ad. og	b. bq	0.0	
	Jersey (St. Aubin)	1006.3	62	ESE	2	or	1017.0	*	60	-2	W	4	W	b	3	14	65	58	clr. c. o	clr. or	o. c. b	0.5	
	Portland Bill	1006.3	60	SW	3	o	1013.1	+5	59	-1	W	5	W	b	5	2	64	57	c. o	op	bc	*	
	Dungeness	1005.5	61	SW	3	b	1010.1	+3	60	-2	WSW	4	W	bcp	4	21	68	58	c. clr	clr. c	cr. c. bc	*	
Wick	1008.2	54	ESE	2	omg	1005.5	-1	53	-1	NE	3	-	omd	3	3	58	53	ag. cm	c. oing	or. mkt	*		
Nairn	1006.5	57	E	1	adg	1002.6	*	56	0	E	1	-	orgu	1	9	63	54	bcp. c	cg. o	odu	0.9		
Aberdeen	1006.8	56	ENE	3	omr	1003.1	0	55	-4	NE	2	-	fe	2	19	61	55	op	omr	amr. fe	0.0		
Leith	1003.9	57	SW	1	r	1002.2	0	55	-2	W	2	-	r	2	18	58	55	omd	or	ad. omr	*		
Tynemouth	1003.9	57	ESE	1	om	1001.5	+1	55	+1	NW	3	-	omr	2	7	59	53	omr	omp	om. omr	*		
Spurn Head	1005.3	60	SE	2	oltr	1002.8	0	58	-2	WNW	1	-	or	6	11	64	56	cm	cm. tr	or	1.1		
Yarmouth (Gorleston)	1005.6	61	ENE	1	omr	1005.9	+1	58	-4	NW	4	-	bcm	4	37	65	59	o. bc. c	om. tr	om. tr	4.0		
Clacton-on-Sea	1004.3	60	WNW	2	cu	1008.7	+5	59	-2	WNW	4	W	c	3	21	66	58	c. o. tr	og. tr	cu. og. c	3.0		
Nottingham	1003.2	69	S	2	ov	1006.6	*	58	-3	W	3	W	c	*	1	74	56	o. c	o. c	at. cp	1.6		
Benson (Oxon.)	1004.4	66	S	3	o	1010.8	+3	60	-1	WSW	3	-	b	*	5	69	55	c	ot	tr. op	*		
Sth Farnborough	1005.3	65	S	3	o	1011.1	+4	60	-1	WSW	4	-	bc	*	1	68	56	bc. or. ot	o. c. o	or. o. bc	3.4		
Salisbury Plain	1005.2	65	SW	3	o	1012.4	+3	58	-3	WSW	3	W	cp	*	26	69	54	o. tr	op. bc	*	*		
London (Kew Obsy.)	1005.0	67	SW	3	c	1010.5	+4	60	-2	WSW	4	-	bc	*	2	70	57	bc. c. or	op. c	c. b. bc	2.5		
NORTHERN EUROPE.	Spitsbergen	1013.8	46	NNE	6	C	1022.8	+1	52	+4	N	8	*	c	*	*	52	43					
	Vardö	1002.4	48	-	0	C	1012.4	+1	50	+4	N	3	-	b	2	*	50	43					
	Bodö	1009.2	50	W	2	C	1010.8	?	50	0	SW	2	-	r	2	-	50	48					
	Christiansund	1013.5	57	W	1	o	1010.4	-1	57	+2	NE	1	-	b	2	-	57	55					
	Skudesnaes	1010.2	61	W	1	bc	1005.8	-3	59	-2	NE	3	-	o	1	-	63	?					
	Færd (X'ania Fjord)	1011.1	61	SSW	2	bc	1009.2	0	59	-5	NE	2	-	m	1	-	64	57					
	The Scaw (Skagen)	1014.2	61	-	0	C	1007.2	-3	59	0	NW	2	-	o	2	-	66	57					
	Blaavands Huk	1009.8	70	SE	2	o	1002.4	-1	63	+2	SE	3	-	o	*	4	77	59					
	Copenhagen	1013.5	64	SW	1	b	1006.6	-2	63	+4	ESE	4	-	o	*	*	68	59					
	Bornholm	1014.2	61	SW	3	b	1007.1	-3	61	+4	ESE	4	-	o	4	-	64	57					
FRANCE, &c.	The Helder	1005.5	68	ENE	3	c	1003.2	+1	61	+2	SW	5	-	o	2	1	72	59					
	C. Gris Nez	1006.2	63	W	2	bc	1011.1	+5	62	-6	WSW	5	*	bc	4	46	77	59					
	La Heve	1009.5	63	SW	2	r	1016.8	*	59	-7	W	7	*	c	8	68	57						
	Brest (St. Mathieu)	1013.5	63	SW	2	r	1019.5	+3	63	+2	W	4	*	b	3	6	66	50					
	Rochefort (Ile d'Aix)	1015.2	66	W	8	o	1021.8	+3	61	-11	WNW	4	*	c	5	75	52						
	Biarritz	1014.2	61	SW	3	b	1023.6	+1	66	-4	-	0	*	o	3	4	77	64					
	Paris	1008.0	73	WNW	2	C	1017.1	+5	61	-11	W	4	-	o	*	1	93	59					
	Belfort	1006.8	86	WSW	6	bc	1019.5	*	61	-5	WSW	7	*	o	*	3	91	61					
Lyons	1011.6	84	SSW	2	o	1021.8	*	63	-1	N	2	*	b	*	11	91	59						
Nice	1016.4	72	E	1	bc	1012.8	+1	77	+2	WSW	2	*	b	0	13	84	63						
Perpignan	1014.3	84	E	3	b	1021.2	+3	68	-4	NW	3	-	bc	*	12	88	64						
IBERIA, &c.	Corunna	1023.5	68	W	3	b	1024.2	0	63	-5	E	1	-	b	2	-	70	54					
	Madrid	1021.9	75	NNW	4	b	1021.8	0	64	-2	NNE	4	-	b	5	-	79	61					
	Lisbon	1021.9	75	NNW	4	b	1021.8	0	64	-2	NNE	4	-	b	5	-	79	61					
	Azores (Horta)	1022.3	*	S	5	o	1018.8	+1	68	+4	SSW	6	*	o	3	4	70	68					
	(P. Delgada)	1023.6	*	WSW	3	b	1021.1	+2	68	+4	SW	5	*	m	3	-	73	63					
	Madeira	1021.2	73	NE	3	b	1021.0	0	66	+2	NE	3	-	b	4	-	73	66					
	Gibraltar	1021.2	73	NE	3	b	1021.0	0	66	+2	NE	3	-	b	4	-	73	66					
	Palma	1021.2	73	NE	3	b																	



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,696.

Monday, 22<sup>nd</sup> July, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF Sunday, 21<sup>ST</sup> JULY.

STATIONS.		EVENING OF.....20 <sup>th</sup> .....					MORNING OF.....21 <sup>st</sup> .....										MORNING OF.....21 <sup>st</sup> .....						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.
		° F.					;	° F.	° F.					° F.	° F.			° F.	° F.				
RUSSIA.	Archangel ...													*	*		Isafjord ...	1021.2	48	0	N	8	C
	Petrograd ...													*	*		Reykjavik	1015.4	50	-5	-	0	bc
	Moscow ...													*	*		Vestmanna	1014.4	48	+2	NE	4	C
SWEDEN.	Hernösand ...						*						*	*	*		Seydisfjord	1017.0	43	+2	-	0	C
	Stockholm ...						*						*	*	*		Thorshavn	1012.1	51	-1	ENE	2	f
	Wisby ...						*						*	*	*		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
ITALY.	Venice ...	1013.5	81	-	0	b	1011.5	*	?		NNE	1	0	-	82	?	22 <sup>ND</sup> and 23 <sup>RD</sup> July 1918.		Sunrise.	Noon.	Sunset.		
	Turin ...	1013.1	70	-	0	b	1012.9	*	73	-2	-	0	b	-	91	68		G.M.T.	G.M.T.	G.M.T.			
	Pesaro ...	1015.1	79	-	0	b	1013.4	*	84	+3	SW	1	b	-	84	72							
	Leghorn ...						1015.3	*	81	+2	-	0	b	-	84	73							
	Rome ...	1017.3	79	SW	1	b	1016.7	*	77	-2	SW	1	C	-	91	73							
	Viesti ...	1015.6	84	NW	1	b	1013.1	*	81	-1	-	0	b	-	88	73							
	Brindisi ...	1014.9	77	NW	1	b	1014.6	*	79		NW	2	b	-	88	68							
	Cagliari ...	1017.0	86	SE	3	b	1015.8	*	79	+2	NW	2	b	-	88	68							
	Palermo ...						1017.1	*	72	-7	-	0	b	-	88	63							
	Tripoli ...						1019.2	*	77	0	WSW	1	b	-	99	68							

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

22 <sup>nd</sup> and 23 <sup>rd</sup> July 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	3.58	11.59	8.0
Greenwich ...	...	4.10	12.6	8.2
Wick ...	...	3.43	12.18	8.53
Valencia ...	...	4.48	12.47	8.46

LONDON <u>22<sup>nd</sup> JULY,</u> ...9h. G.M.T.		Humidity.		Sun- shine for <u>21<sup>st</sup></u> ... <u>22<sup>nd</sup></u> ... <u>21<sup>st</sup></u>	24 Hours ended 9 h.... <u>22<sup>nd</sup></u>			Rain- fall.	Weather.		
		21 <sup>st</sup>	22 <sup>nd</sup>		Temperature.				Morning.	Afternoon.	Night.
					Max.	Min.	Min. on Grass.				
		%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	.. ..	47	68	12.6	74	54	47	Trace	bc.op	bc	bc
CITY (Bunhill Row)	.. ..	*	*	11.1	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	.. ..	57	74	12.3	71	56	*	1	bcp.bc	bc	bc.o
" (Admiralty Arch)	.. ..	45	72	12.0	71	56	*	0.2	cp	cpq.o.c	*
CAMDEN SQ. (British Rainfall)	.. ..	-	70	9.5	76	55	53	1	-	-	*
KENSINGTON PALACE	.. ..	*	79	11.0	71	55	47	Trace	bc.op	bc	*

NOTE.—The thermometers at Greenwich and Camden Square are to Glaisher's pattern.

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

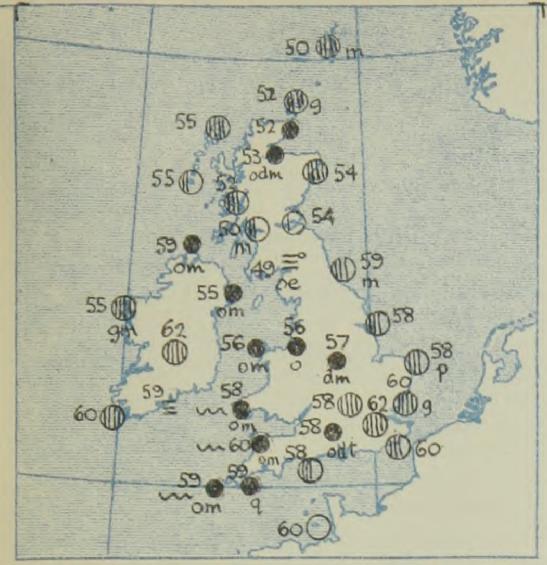
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during ... 21 <sup>st</sup> .		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1810	31.6	64.3

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GALES.

Notes on the weather of the 24 hours ended 7h Today.

Rain fell very heavily in parts of Scotland and the south of Ireland. At Aberdeen the fall amounted to 37mm and at Wick to 32mm. At Roches Point there was a total of 28mm. Nevertheless, a number of stations recorded little or none. The maximum temperature just reached 70° at Kew, Farnborough and Larmouth. Sunshine records mostly exceeded 10 hours in England and also in the north of Ireland.

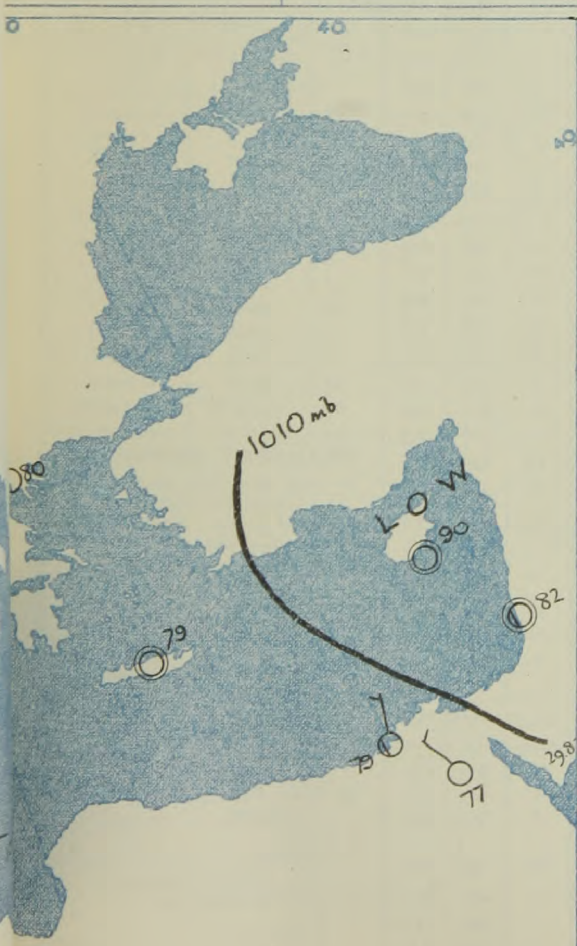
The conditions at 7h Today.

There is a shallow depression over the eastern part of the North Sea which appears to be dispersing. A depression just off the west coast of Ireland is moving east. There is a moderate east wind in the north of Ireland, and over the northern part of the North Sea, while in Scotland light variable airs prevail. In England the wind is from south or south-west and blows strongly in the west. The weather is dull over the whole of the United Kingdom except in the south of Scotland, and rain is falling generally from the west of Ireland to the Midlands. The temperature is about 60° in the south and 50° to 55° in Scotland.

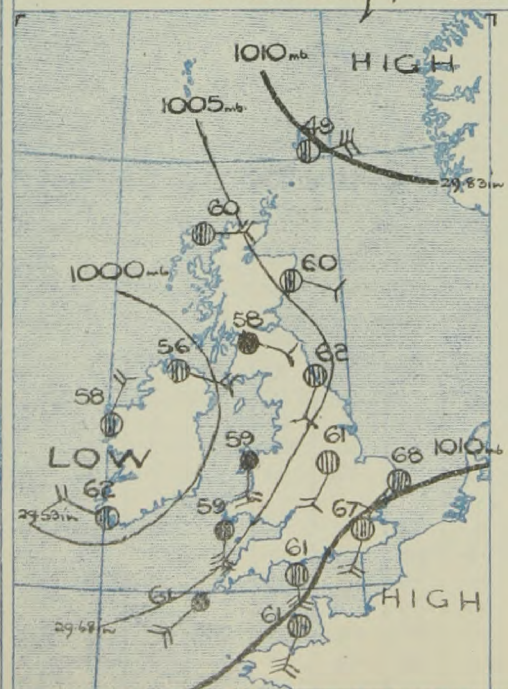
The Outlook.

The Irish depression will advance and cause dull weather and rain in all districts during the next 24 hours. In Scotland a moderate SE or E breeze is probable, while in England the wind will be fresh from S or SW. In Ireland the outlook is somewhat uncertain, but most probably the wind will veer to between SW and W, and the weather will be showery with some fair intervals.

*N.H.*



Monday, 22nd, JULY, 1918, at 13h. (1p.m.) G.M.T.



The barometer is falling over England and the depression continues to advance eastwards though somewhat slowly. No modification of the morning forecast is necessary.



STATIONS.		EVENING OF... 21 <sup>st</sup> ...				MORNING OF... 22 <sup>nd</sup> ...								24 HOURS ENDED 7 h... 22 <sup>nd</sup> ...						Sun- shine for 21 <sup>st</sup> Hours.	
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Barom. Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	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 ...	1009.9	50	ENE	4	om	1009.6	0	50	ENE	4	-	om	4	Trace	51	48	f	om	om	*
	Deerness (Orkney) ...	1006.4	53	NE	4	or	1007.1	*	52	NE	4	-	og	4	17	55	51	f.o	or	or	0.0
	Stornoway ...	1007.1	55	NE	1	or	1005.9	0	55	WSW	1	-	o	1	17	55	52	f.or	or	or	0.0
	Castellbay (Barra Isd.) ...	1007.6	57	W	3	c	1005.1	-1	55	ENE	3	-	bc	2	-	60	49	o.c	c.o.c	c.b	5.1
	Glasgow ...	1007.4	59	W	4	bcv	1006.4	-2	50	ENE	1	-	bcv	2	0.4	62	48	op.o	o.c.bcv	bc.b	3.8
	Eskdalemuir ...	1007.1	60	W	4	bvy	1007.4	-1	49	-	0	-	ome	*	-	63	38	o	ou.bvy	bv.b	7.0
	Malin Head ...	1008.1	60	NW	3	bc	1002.2	-5	55	E	3	-	omr	3	0.3	61	52	bc	bc	omr	12.5
	Blacksod Point ...	1007.5	60	SSW	3	bc	999.8	-4	55	NE	4	-	omg	3	Trace	63	52	bc	bc	bc.og	*
	Valencia (Cahirciveen) ...	1007.7	55	SE	4	or	998.8	0	60	S	4	-	o	4	23	63	55	b.b.c	er.or	or	4.7
	Roche's Point ...	1011.7	57	SSW	4	r	1000.7	*	59	S	3	-	f	3	28	65	56	bc.c	or	rfe	*
	Birr Castle ...	1008.9	64	SW	1	o	998.2	*	62	S	1	-	o	*	12	68	53	c	c.o	or.o	8.4
	Donaghadee ...	1008.7	59	ENE	2	bcv	1003.6	-4	55	SE	4	-	orm	2	1	68	62	bcv	bcv	bc.orm	*
	Liverpool (Bidston) ...	1009.8	63	W	4	b	1006.8	-4	56	SE	3	-	or	3	3	65	54	bcq	b	c.or	9.7
	Holyhead ...	1010.5	58	SW	4	cq	1003.9	-6	56	S	5	-	omr	4	6	63	55	b.b.c	b.b.c	b.b.orm	10.9
	Penbroke (St. Ann's) ...	1013.2	59	SW	4	c	1004.1	-5	58	S	6	-	omr	6	9	61	56	bcv	b.b.c	or.orm	10.3
	Hartland Quay ...	1014.5	61	SW	6	bc	1007.4	-2	60	S	5	-	omr	5	2	61	59	bc	bc	ad.o	*
	Scilly (St. Mary's) ...	1015.3	60	WNW	3	o	1006.6	-2	59	SSW	5	SW	omr	5	4	65	57	bc	omp	omr	8.4
	Falmouth ...	1014.9	62	SW	4	c	1008.2	-2	59	SW	5	-	r	*	5	66	58	b.c	bc.c	bc.c	11.4
	Jersey (St. Aubin) ...	1017.8	64	W	5	b	1013.9	*	60	SW	2	-	b	2	0.1	66	58	b	b	b.op	12.2
	Portland Bill ...	1014.5	59	W	6	bc	1011.3	-3	58	SSW	5	-	c	4	-	61	57	bc	bc	c	*
Dungeness ...	1013.5	61	WSW	6	bcq	1013.2	0	60	SW	4	SW	c	4	-	65	57	bcq	bcq	bcq.c	*	
NORTHERN EUROPE.	Wick ...	1006.4	52	NE	3	omp	1006.3	0	52	E	4	-	r	4	32	54	51	adm	omp	omr	*
	Nairn ...	1006.8	53	-	0	r	1005.7	*	53	-	0	-	omd	1	27	56	52	oru	oru	or	0.0
	Aberdeen ...	1004.3	55	NW	3	or	1005.9	0	54	NW	2	-	o	3	37	56	53	fe.orm	or	or.o	0.0
	Leith ...	1004.5	59	W	2	o	1005.9	0	54	NW	1	-	b2	2	11	60	49	or	or	o.c.b	*
	Tynemouth ...	1004.8	63	NW	5	cq	1006.4	0	59	W	2	-	cm	3	5	63	52	orq	cq	bcq.cm	*
	Spurn Head ...	1007.3	64	WNW	7	bcq	1009.9	0	58	WSW	3	-	c	4	Trace	64	53	cq	bcq	cq.c	2.4
	Yarmouth (Gorleston) ...	1008.8	68	WNW	6	bc	1010.0	0	58	WSW	3	-	cp	3	1	70	52	bcq	bcq	b.b.c	10.9
	Clacton-on-Sea ...	1011.5	68	WNW	4	bcy	1012.5	0	60	WSW	3	-	og	2	-	69	55	c.b	bcy	bc.c	11.6
	Nottingham ...	1009.9	65	W	4	c	1009.9	*	57	SSW	2	-	dm	*	0.2	68	50	c.b	bc	bc.b	8.2
	Benson (Oxon.) ...	1012.3	67	SW	3	bc	1010.9	-1	58	SSW	3	-	o	*	0.1	69	51	bc	bc	b.b.c	*
Sth Farnborough ...	1013.2	66	WSW	5	bc	1012.3	-2	59	SW	3	-	o	*	1	70	54	bcv	bcv	bc.b	13.5	
Salisbury Plain ...	1013.8	64	W	3	c	1011.5	-2	58	SSW	3	-	odt	*	4	66	53	cp	bcv	bc.c	*	
London (Kew Obs.) ...	1012.7	68	WSW	3	cv	1012.4	-2	62	SSW	4	-	o	*	0.2	70	56	bc.or	bc.b	bc.b	11.8	
FRANCE, &c.	Spitsbergen ...	1022.6	48	SE	6	c	1021.2	0	46	ESE	5	*	o	*	*	48	43	THE BEAUFORT SCALE OF WIND FORCE.			
	Vardö ...	1017.2	46	S	1	f	1019.4	+1	46	-	0	-	f	2	*	55	45				
	Bodö ...	1009.0	54	-	0	o	1009.2	0	55	-	0	-	b	1	-	54	37	Limits of Velocity.			
	Christiansund ...	1007.9	57	NE	1	b	1005.2	0	55	W	2	-	m	2	-	61	52	No.	Statute miles per hour.	Metres per second.	
	Skudesnaes ...	1004.4	59	SE	1	o	1004.4	0	64	SE	2	-	c	2	-	68	59				
	Færder (Xania Fjord) ...	1005.0	68	ENE	1	c	1006.6	+2	63	ENE	4	-	c	2	-	68	59	0	Less than 1	Less than 0.3	
	The Scaw (Skagen) ...	1004.0	61	SE	1	r	1003.8	+1	61	ENE	2	-	o	2	-	68	59	1	1-3	0.3-1.5	
	Blaavands Huk ...	1005.0	59	WSW	4	o	1005.2	+2	59	W	3	-	o	*	1	70	53	2	4-7	1.6-3.3	
	Copenhagen ...	1004.2	63	W	2	o	1006.3	0	59	SW	2	-	o	*	2	66	59	3	8-12	3.4-5.4	
	Bornholm ...	1005.8	63	SW	3	m	1008.0	+1	59	WSW	4	W	o	1	2	64	55	4	13-18	5.5-7.9	
	IBERIA, &c.	The Helder ...	1008.7	61	SSW	6	c	1010.3	+1	61	WSW	5	NW	b	3	-	64	59	5	19-24	8.0-10.7
		C. Gris Nez ...	1014.0	57	WSW	6	bc	1014.6	+1	59	SW	5	*	o	4	-	68	57	6	25-31	10.8-13.8
La Hève ...		1018.0	64	W	5	bc	1016.4	*	51	SW	3	*	b	3	8	66	51	7	32-38	13.9-17.1	
Brest (St. Mathieu) ...		1019.1	61	S	4	c	1012.0	-3	59	S	5	*	o	3	6	66	59	8	39-46	17.2-20.7	
Rochefort (Ile d'Aix) ...		1021.1	66	WSW	3	b	1016.7	-2	59	S	2	*	o	*	5	73	67	9	47-64	20.8-24.4	
Biarritz ...		1019.9	68	NNE	3	c	1015.1	-2	63	ENE	1	*	c	2	4	77	57	10	65-63	24.5-23.4	
Paris ...		1018.3	68	SW	2	c	1017.2	-1	61	0	0	-	b	*	1	75	50	11	64-75	23.5-33.5	
Belfort ...		1018.4	66	W	3	bc	1019.1	*	64	+3	0	*	m	*	3	86	48	12	Above 75	33.6 or above	
MEDITERRANEAN.	Lyons ...	1017.8	*	*	*	*	1017.8	*	61	-2	0	*	bc	*	1	79	52	BEAUFORT NOTATION.			
	Nice ...	1011.6	77	-	0	b	1013.1	+2	72	-5	SW	1	*	c	2	13	88				
	Perpignan ...	1016.2	79	NW	3	b	1016.8	-2	70	+2	WSW	1	-	o	*	12	66	b blue sky (not more than a quarter covered).			
	Sanguinaire ...	1015.0	79	NW	2	m	1015.9	*	77	6E	2	*	b	*	27	90	50				
	Corunna ...	1021.9	64	NW	1	c	1017.1	0	64	+1	S	5	-	o	3	-	66	bc sky partly cloudy (one half covered).			
	Madrid ...	1014.6	88	S	1	b	1017.4	+2	66	-	0	NW	bc	*	-	90	39				
	Lisbon ...	1018.6	73	NNW	5	b	1020.7	+1	64	0	NW	1	-	b	5	-	82	c generally cloudy (three quarters covered).			
	Azores (Horta) ...	1019.1	*	SW	6	m	1017.6	+1	68	0	SW	7	*	f	3	1	72				
„ (P. Delgada) ...	*	*	*	*	*	1020.7	+2	70	+2	WSW	3	*	o	3	-	75	d drizzle, or fine rain.				
Madeira ...	1019.4	75	NE	3	b	1020.4	-1	66	0	NE	4	-	b	4	-	75					
Gibraltar ...	1017.3	74	NE	1	b	1017.9	*	70	E	3	*	o	2	-	89	65	e wet air without rain falling.				
Palma ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
	Algiers ...	1016.7	79	NE	1	b	1016.2	+1	77	0	E	1	-	bc	2	-	90	f fog. g gloom.			
	Malta ...	*	*	*	*	*	1014.8	+2	81	0	WNW	2	-	b	*	-	84				
	Salonica ...	1011.6	82	S	1	b	1011.9	+2	80	-2	W	1	-	b	0	-	95	h hail. i lightning.			
	Athens ...	*	*	*	*	*	1012.6	0	79	-2	-	0	-	b	0	-	90				
	Candia ...	1012.7	81	-	0	b	1008.2	+2	90	+2	-	0	-	b	0	-	101	m mist.			
	Limassol ...	*	*	*	*	*	1011.1	+1	79	-2	NNE	1	N	b	1	-	88				
	Alexandria ...	1010.7	79	N	2	b	1010.7	+2	77	-5	NNW	1	-	b	*	-	99	n ugly, threatening sky.			
	Cairo																				



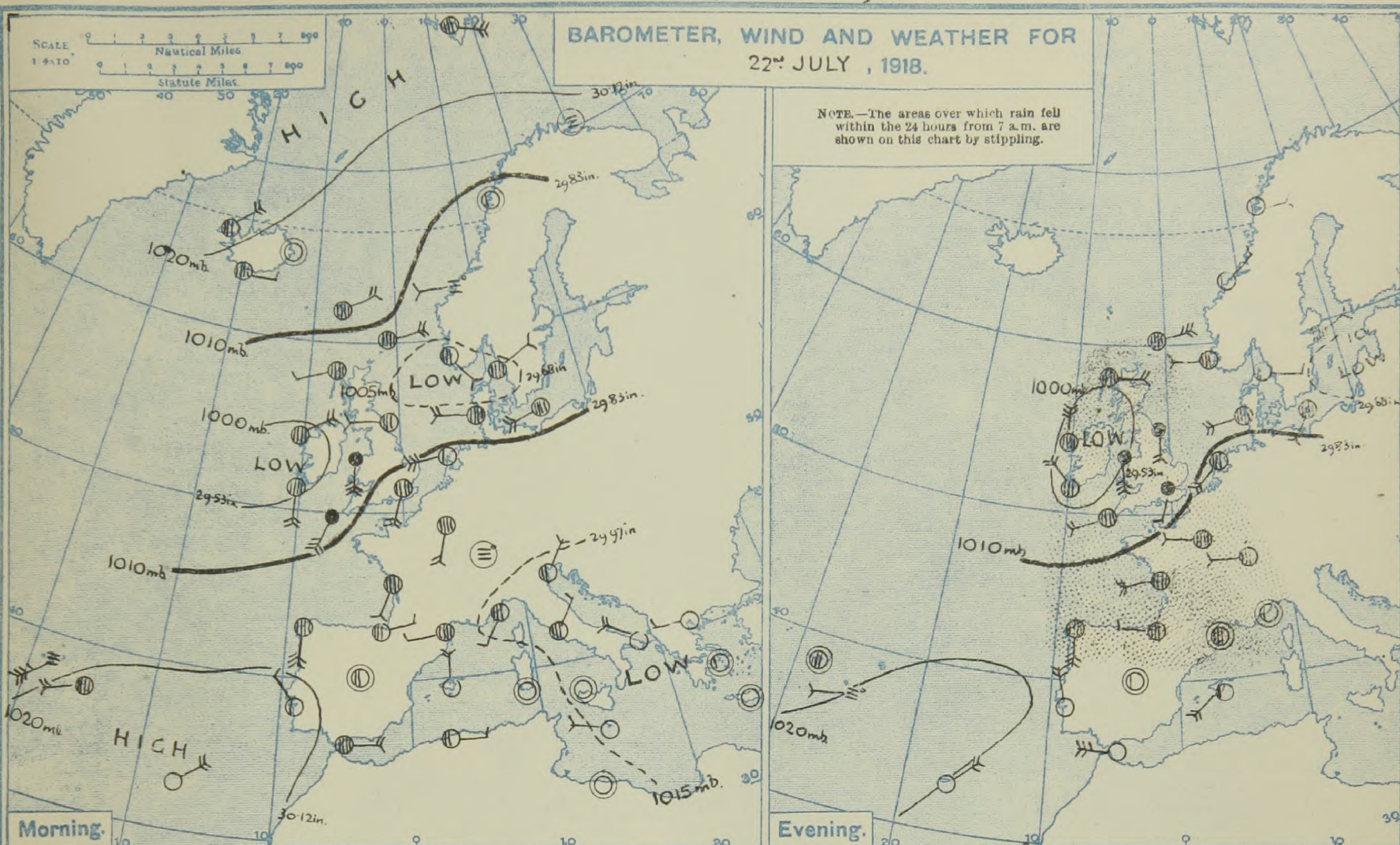
# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20697.

Tuesday, 23<sup>rd</sup> July, 1918.

## BAROMETER, WIND AND WEATHER FOR 22<sup>nd</sup> JULY, 1918.

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



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF Monday, 22<sup>nd</sup> JULY.

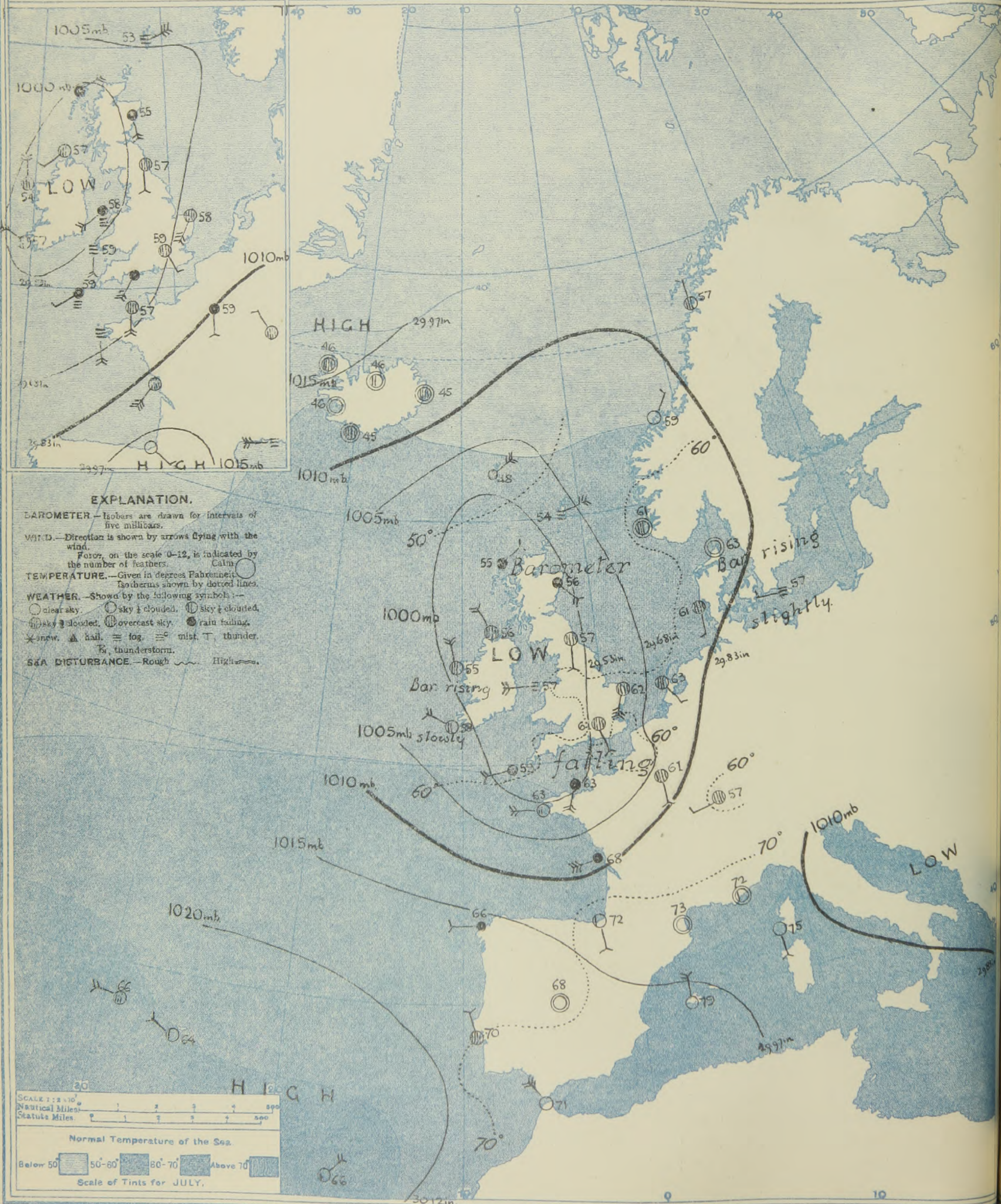
STATIONS.		EVENING OF... 21 <sup>st</sup> ...					MORNING OF... 22 <sup>nd</sup> ...										MORNING OF... 22 <sup>nd</sup> ...						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.
		° F.					° F.	° F.					° F.	° F.			° F.	° F.					
RUSSIA.	Archangel ...													*									
	Petrograd ...													*									
	Moscow ...													*									
SWEDEN.	Hernösand ...						*						*	*	*								
	Stockholm ...						*						*	*	*								
	Wisby ...						*						*	*	*								
ITALY.	Venice ...	1012.6	73	NE	3	b	1012.5	*	78	-	NE	2	o	-	90	72	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Turin ...	1011.4	81	-	o	b	1013.8	*	70	-3	NE	3	c	-	95	66	23 <sup>rd</sup> and 24 <sup>th</sup> JULY, 1918.						
	Pesaro ...						1012.6	*	84	o	-	o	b	-	91	70	Sunrise.		Noon.		Sunset.		
	Leghorn ...	1014.2	79	-	o	b	1013.8	*	77	-4	-	o	b	-	86	70	G.M.T.		G.M.T.		G.M.T.		
	Rome ...	1015.1	77	SW	1	b	1014.5	*	77	o	NE	1	c	-	88	72	Yarmouth ...	4.0	11.59	7.56			
	Viesti ...	1015.3	84	NW	1	b	1012.5	*	81	o	-	o	b	-	90	72	Greenwich ...	4.2	11.59	7.56			
	Brindisi ...	1012.2	81	-	o	b	1012.2	*	79	o	NW	3	b	-	93	77	Greenwich ...	4.12	12.6	8.0			
	Cagliari ...	1014.3	84	SE	3	bc	1015.7	*	77	-2	-	o	b	-	90	66	Wick ...	4.13	12.6	7.59			
	Palermo ...						?	*	77	+5	-	o	b	-	90	66	Wick ...	3.45	12.18	8.51			
	Tripoli ...						1018.7	*	81	+4	-	o	b	-	90	68	Valencia ...	3.47	12.18	8.49			
																	4.50	12.47	8.44				
																	4.52	12.47	8.42				

LONDON			HUMIDITY.		Sun- shine for	24 HOURS ENDED 9 h. 23. <sup>rd</sup> JULY.....				SOUTH KENSINGTON (M.O.)					
23. <sup>rd</sup> JULY.....9h. G.M.T.			15 h.	9 h.		TEMPERATURE.			Rain- fall.	WEATHER.		Vertical Component of Solar Radiation per square Centimetre during .. 22. <sup>nd</sup> .			
			22. <sup>nd</sup>	23. <sup>rd</sup>	22. <sup>nd</sup>	Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.	Total.	Average Rate.	Max. Rate.
GREENWICH (Royal Observatory) .. ..			68	98	0.3	68	56	56	6	0.0dm	adm.0	or.00			
CITY (Bunhill Row) .. .. .			*	*	0.2	*	*	*	*	*	*	*			
WESTMINSTER (St. James's Park) .. ..			80	95	0.1	66	58	56	7	0.00	or	ad.00			
" (Roof near Charing Cross) .. ..			70	98	0.1	67	58	*	6	c.0	org.0m	*			
CAMDEN SQ. (British Rainfall) .. .. .			64	97	0.4	69	58	54	5	0	0.00	*			
KENSINGTON PALACE .. .. .			*	98	0.7	71	58	55	5	0.0d	or	*			
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.															
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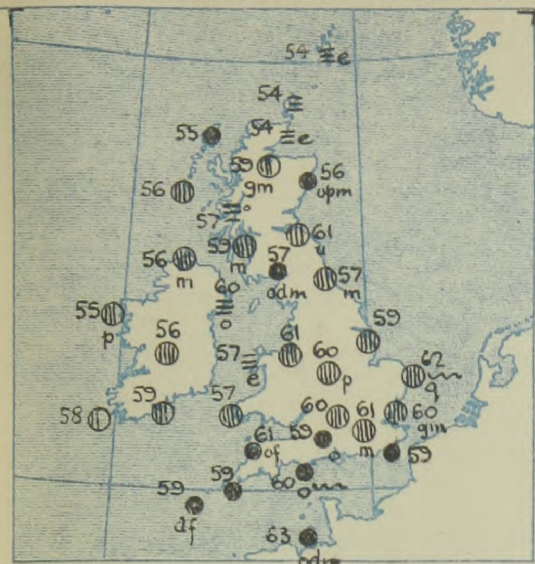


23<sup>RD</sup>, JULY, at 1h. G.M.T.

THE MORNING OF Tuesday, 23<sup>RD</sup>, JULY 1918, at 7h. G.M.T.







## GALES.

## Notes on the Weather of the 24 hours ended 7h Today

The maximum temperature was  $73^{\circ}$  at Birr Castle, in Ireland, but failed to reach  $70^{\circ}$  in England.

Rain fell generally, 22mm at Scilly, 18mm at Glasgow and 16mm at Hartland Point. The total was small in SE England and the south of Ireland. Sunshine records were poor all over the country,  $5\frac{1}{2}$  hours at Birr Castle being the largest. There was much fog in the west and north.

## The Conditions at 7h Today.

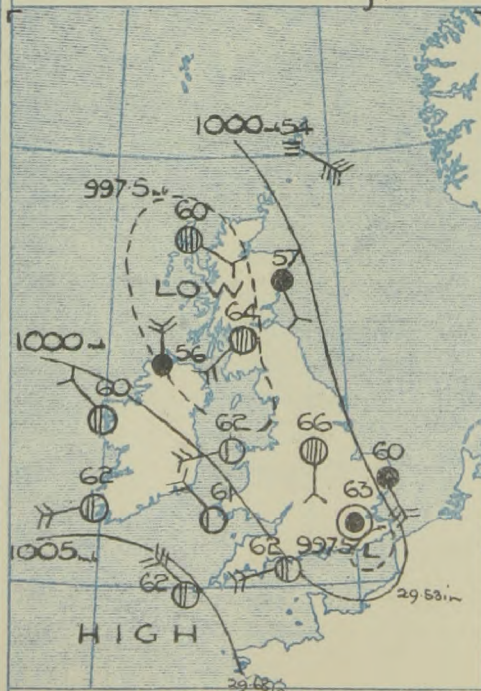
The depression that was off the west coast of Ireland yesterday has reached SW Scotland. A secondary is forming over the south of England. The wind is from the NW in the west of Ireland, and from NE to the north of Scotland, but is from S or SE over the eastern half of the British Isles. The force is light or moderate generally, but fresh at Yarmouth and to the north of Scotland.

The weather is fair in the south-west of Ireland but dull elsewhere. Rain is falling on both sides of the Channel and in Scotland. Fog prevails from the Irish Sea down to the mouth of the Channel, and also over the extreme northern part of the North Sea. Temperature varies from  $55^{\circ}$  to  $60^{\circ}$ .

## The Outlook.

Over Ireland and on the west coast of England a moderate to fresh NW wind is probable, with changeable showery weather. Over England the wind will be moderate from SW, weather dull with rain at times, and in Scotland there will be variable breezes with considerable rain and some mist or fog.

Tuesday, 23<sup>rd</sup>, JULY, 1918, at 13h. (1p.m.) G.M.T.



The fall of the barometer has ceased over the south of England and has become slight in East Anglia. The secondary is passing into the North Sea, and a general improvement of the weather has taken place in the west of England and over Ireland. At Valencia the wind has backed to WSW and it is not unlikely that a fresh disturbance will arrive from the Atlantic before very long which will maintain unsettled weather.



THE BEAUFORT SCALE OF WIND FORCE.		
No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

**BEAUFORT NOTATION.**

b blue sky (more than a quarter covered).  
bc sky partly cloudy (one half covered).  
c generally cloudy (three quarters covered).  
d drizzle, or fine 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.  
rs sleet, *i.e.*, rain and snow together.  
s snow.  
t thunder.  
u ugly, threatening sky.  
v unusual visibility.  
w dew.  
x hoar frost.  
y dry air; humidity less than 60 per cent.  
z dust haze; the turbid atmosphere of dry weather.

†† The barometric change is expressed in half-millibars



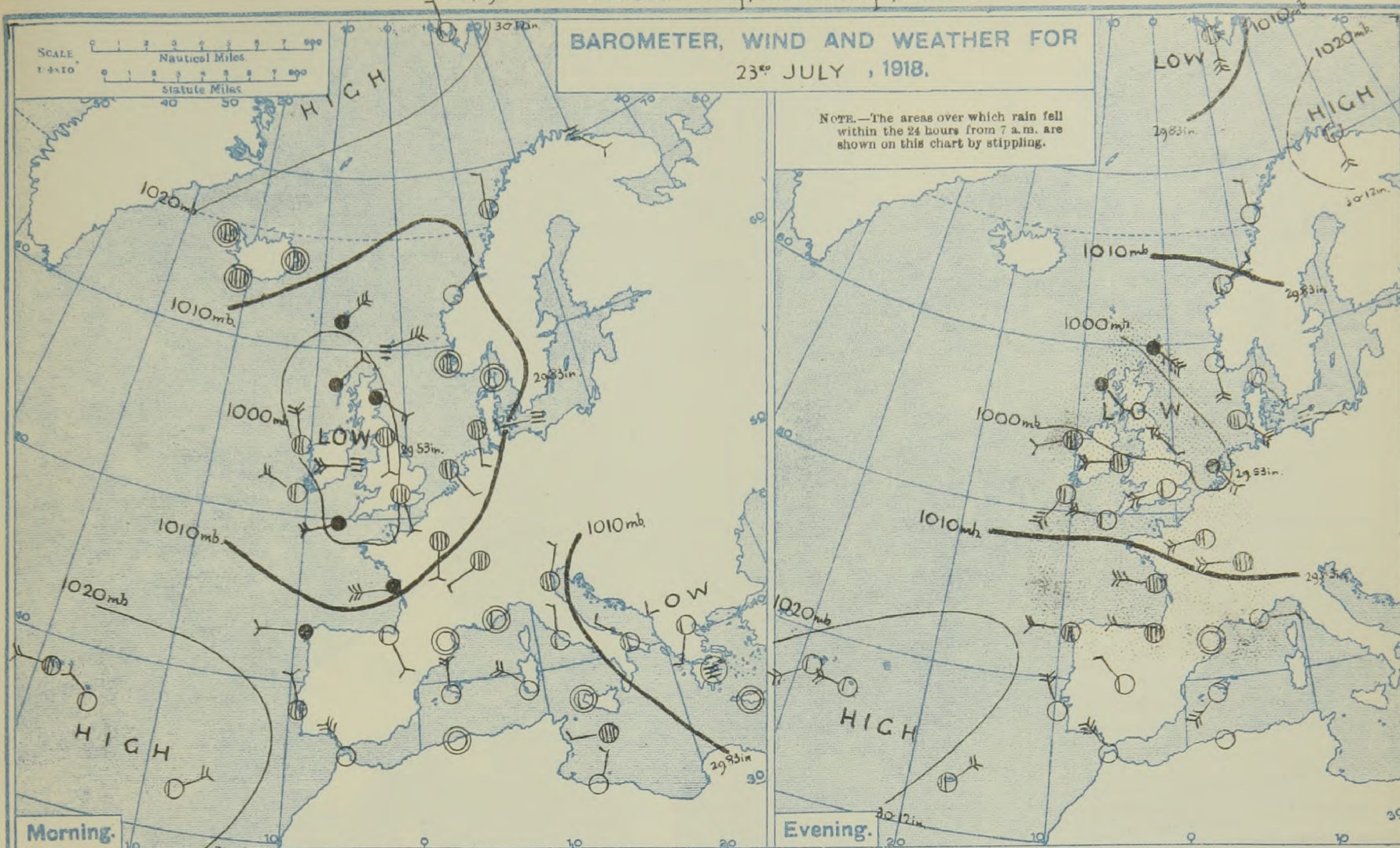
# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20698.

Wednesday, 24<sup>th</sup> July, 1918.

## BAROMETER, WIND AND WEATHER FOR 23<sup>rd</sup> JULY, 1918.

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



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF Tuesday, 23<sup>rd</sup> JULY.

STATIONS.		EVENING OF... 22nd...					MORNING OF... 23rd...										MORNING OF... 23rd...							
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.		Force 0-12.	
RUSSIA.	Archangel ...		° F.						° F.	° F.					° F.	° F.	Isafjord ...	1017.5	° F.	° F.			°	°
	Petrograd ...													*	*	Reykjavik			1014.7	46	-4	-	0	6
	Moscow ...													*	*	Vestmanna			1013.9	45	0	-	0	0
SWEDEN.	Hernösand ...						*						*	*	*	Seydisfjord	1014.6	45	0	-	0	0		
	Stockholm ...						*						*	*	*			Thorshavn	1000.7	48	0	NE	5	r
	Wisby ...						*						*	*	*			TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
ITALY.	Venice ...					1010.3	*	72	-6	NNE	1	c	-	84	68	24th and 25th JULY, 1918.								
	Turin ...					1010.9	*	70	0	-	0	c	-	86	66	Sunrise.		Noon.		Sunset.				
	Pesaro ...					1010.2	*	82	-2	-	0	c	-	90	68									
	Leghorn ...					1012.1	*	75	-2	W	1	c	-	86	73	G.M.T.		G.M.T.		G.M.T.				
	Rome ...	1012.9	75	SW	1	c		73	-4	N	1	b	-	88	66									
	Viesti ...	1011.8	81	-	0	b		81	0	NW	2	b	-	90	64	Yarmouth ...		Greenwich ...		Wick ...				
	Brindisi ...	1012.9	79	SE	1	b		79	0	NW	1	bc	-	84	73									
	Cagliari ...					1008.7	*	75	-2	NW	4	b	-	91	64	Valencia ...		4.32		12.47				
	Palermo ...					1013.0	*	75	-2	-	0	b	-	91	64									
	Tripoli ...					1011.3	*	75	-2	-	0	b	-	91	64	4.54		12.47		8.42				
						1014.2	*	81	0	NNE	1	b	-	90	70									

LONDON 24 <sup>th</sup> JULY, 9h. G.M.T.	Humidity.		Sun- shine for Hours.	24 HOURS ENDED 9 h. 24 <sup>th</sup> JULY.				WEATHER.		
	15 h.	9 h.		TEMPERATURE.			Rain- fall. mm.	Morning.		Night.
	%	%		Max.	Min.	Min. on Grass.				
GREENWICH (Royal Observatory) ...	88	63	2.2	71	54	48	10	or. od	or. o	c. bc
CITY (Bunhill Row) ...	*	*	1.4	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ...	88	77	1.9	69	55	52	9	r. om. bc	o. bc	bc
" (Roof near Charing Cross) ...	98	62	1.9	70	55	*	10	mr	md. omg. c	*
CAMDEN SQ. (British Rainfall) ...	83	62	1.1	69	54	49	9	or	or. c	*
KENSINGTON PALACE ...	80	75	1.4	72	54	52	10	or. od	od. c	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

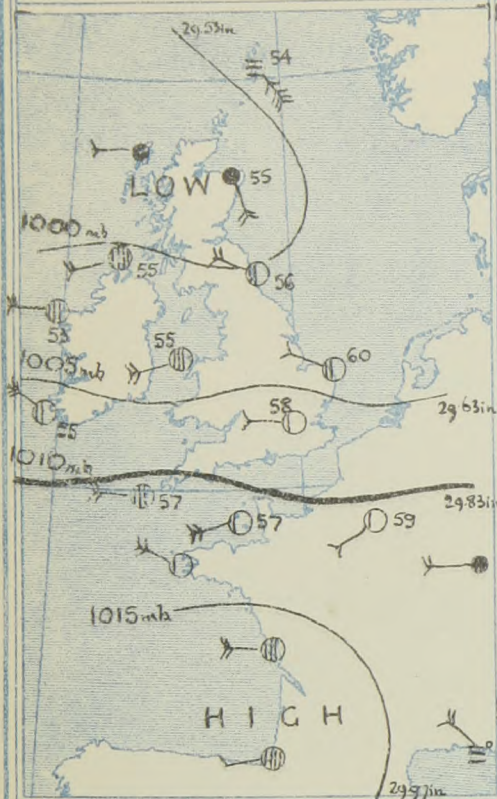
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 23 <sup>rd</sup> .		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
530	9.3	53.5

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24<sup>th</sup> JULY, at 1h. G.M.T.

THE MORNING OF Wednesday, 24<sup>th</sup> JULY 1918, at 7h. G.M.T.



# 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.

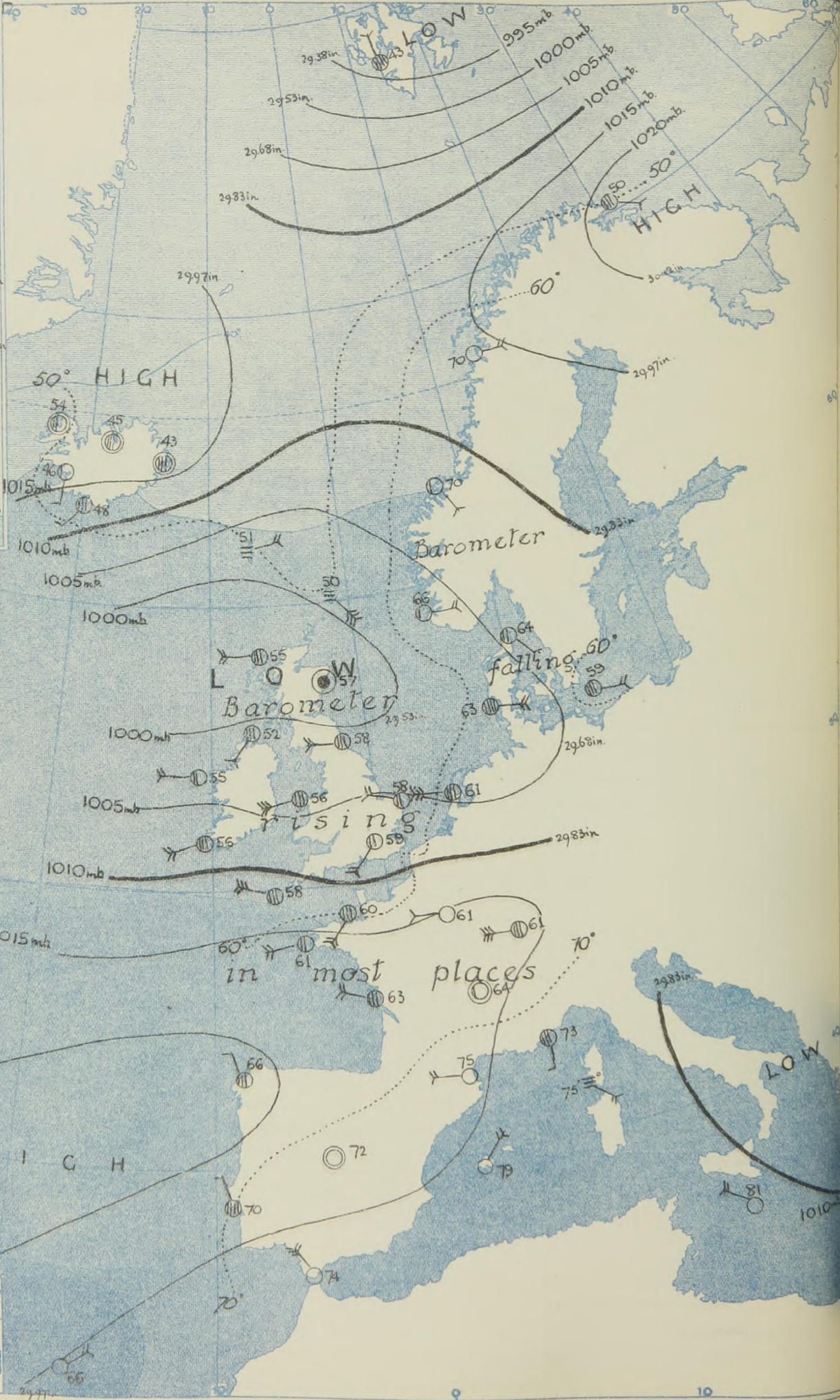
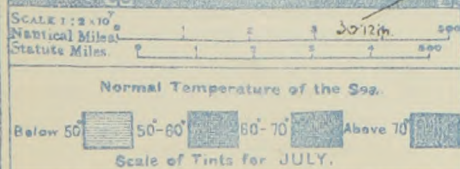
**WEATHER.**—Shown by the following symbols:—

☉ clear sky. ☁ sky & cloudy. ☁ sky & cloudy.

☁ sky & cloudy. ☁ overcast sky. ☁ rain falling.

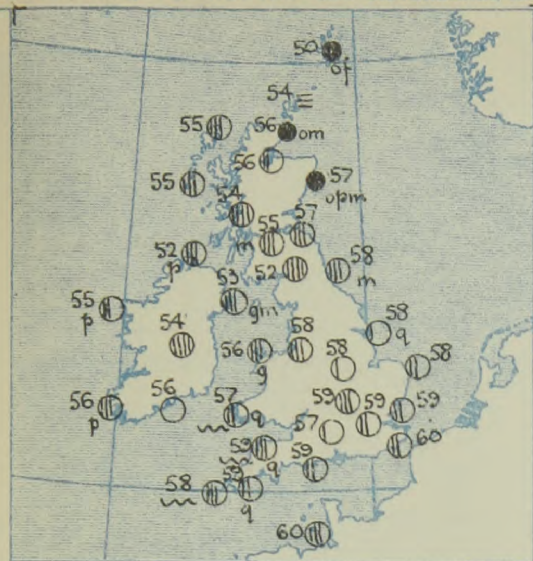
☁ snow. ☁ hail. ☁ fog. ☁ mist. ☁ thunder.

☁ thunderstorm. ☁ rough. ☁ high waves.





## TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



## GALES.

## Lerwick.

23<sup>rd</sup> 11pm ~ 24<sup>th</sup> 2am GMT  
Extreme S.E.S.

## Notes on the Weather of the 24 hours ended 7h Today.

The temperature rose to about 70° in the south of England. Rain fell generally, 23mm in Salisbury Plain, 22mm at Tynemouth and 20mm at South Warrborough and Dungeness. Thunder occurred at several stations, namely Eskdale, Tynemouth, Portland Bill and Nottingham. There was continuous fog on the east coast of Scotland. At Scilly and Pembroke the sun shone for 9½ hours, and for 12 hours at Valencia.

## The Conditions at 7h Today

The depression that was over SW Scotland yesterday is now over Northern Scotland. The barometer is rising generally, especially over the southern part of the North Sea. The wind is mainly westerly over the United Kingdom, fresh locally in the south, but light or moderate in the north, and calm at Aberdeen. In the Shetlands there is a strong SE wind.

The weather is fair over England, but showery in Ireland. Cloudier conditions prevail in Scotland, with rain and mist in the east and north.

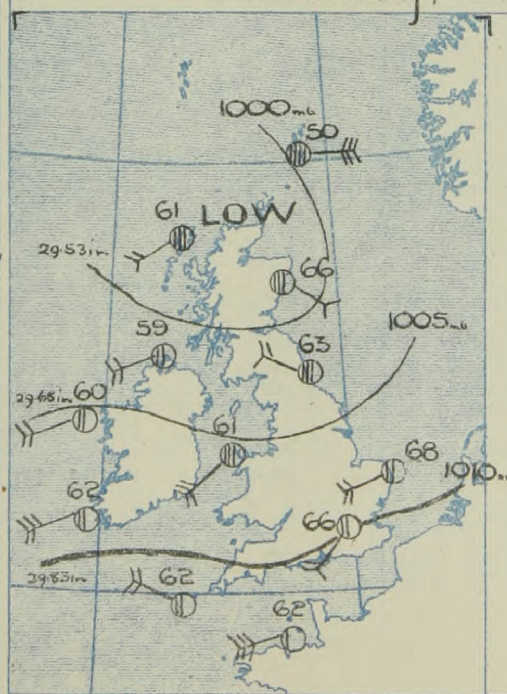
Temperature varies from 55° to 60°.

## The Outlook.

Moderate to fresh west breezes are probable over the United Kingdom generally, with fair weather and some local showers. The temperature will be somewhat low in the west, but warmer in the eastern counties.

*R.K.*

Wednesday, 24<sup>th</sup> JULY, 1918, at 13h. (1p.m.) G.M.T.



The barometer is still rising generally, but the depression over Scotland shows little movement. A changeable, showery type of weather prevails, and there has been thunder at Nottingham and in London. A thunderstorm is in progress at Spurn Head. The wind shows little change since the morning.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 205

Wednesday, 24th JULY

STATIONS.	EVENING OF 23rd					MORNING OF 24th										24 HOURS ENDED 7 a.m. 24th					Sun- shine for 23rd Hours.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
			Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1002.6	SE	7	frq	1001.8	+2	50	-4	SE	6	-	frq	4	4	55	48	feq	feq	feq	0.0
	Deerness (Orkney)	998.3	SE	4	f	996.7	+	54	0	ESE	3	-	f	3	11	56	53	fr	fr	fr.f	1.6
	Stornoway	995.9	SE	2	or	997.1	+1	53	0	W	4	-	f	3	9	65	53	op	o. bc. or	or. cp	0.0
	Castlebay (Barra Isd.)	997.2	WNW	4	od	998.7	0	55	-1	W	4	-	c	3	3	57	53	od	od	od c	2.4
	Glasgow	998.3	SW	3	omd	1001.6	+1	55	-4	WSW	3	W	cin	4	4	67	51	o. c. om	omp	op. bc. m	0.0
	Eskdalemuir	998.2	SW	3	omr	1001.9	0	52	-5	WSW	3	-	o	2	2	62	44	omd o	omr	omr. cb	3.5
	Malin Head	999.4	W	4	bc	1000.6	0	52	-4	SSW	2	SW	cp	2	6	59	51	omr	cg	cp	11.8
	Blacksod Point	1002.3	WSW	5	cp	1003.3	+1	55	0	W	3	W	bcp	3	4	61	51	bcp	bcp	bc. bcp	*
	Valencia (Cahirveen)	1005.4	SW	5	bc	1007.4	+2	56	-2	WSW	4	W	cp	3	3	63	54	bc	bc. b	cp	5.0
	Roche's Point	1005.2	W	4	b	1007.0	+	56	-3	W	2	-	b	2	0.2	65	53	c. bc	bc. b	b. bcp b	*
NORTHERN EUROPE.	Birr Castle	1002.7	W	2	c	1004.7	+	54	-2	SW	1	-	o	3	3	66	50	or. cp	c	c. op	0.4
	Donaghadee	999.7	WNW	3	cin	1001.7	+1	53	-7	W	3	W	cmg	2	1	62	50	of	off. cm	bc. m. cm	0.0
	Liverpool (Bidston)	1000.2	W	4	bc	1004.1	0	58	-3	WSW	2	W	c	1	15	64	55	o. tlr	o. c	c. o	2.3
	Holyhead	1001.4	W	4	c	1004.2	+1	56	-1	WSW	4	W	cg	3	4	65	55	off. c	b. bc. c	cg	3.8
	Pembroke (St. Ann's)	1004.8	W	5	b	1007.3	0	57	0	SW	5	SW	bcp	5	2	62	54	o. c. bc. b	b	b. bcp	9.6
	Hartland Quay	1007.3	WSW	6	b	1009.0	0	59	-2	SW	5	-	cp	5	7	63	57	fr. fp. o	c. b	c. b. bcp	*
	Scilly (St. Mary's)	1009.1	WNW	4	b	1011.0	+1	58	-1	WNW	4	W	c	5	1	63	55	fr. bc	bc. b	cp	9.5
	Falmouth	1008.1	W	6	bc	1011.4	+1	59	0	WSW	5	-	bcp	3	3	65	55	od	eq. bc	bcp	8.6
	Jersey (St. Aubin)	1008.0	W	3	b	1013.4	+	60	-3	SW	4	SW	c	4	1	64	57	omd. ag	ogp. b	bc	3.0
	Portland Bill	1004.5	W	5	bc	1009.6	+2	59	-1	W	5	W	bc	4	3	63	58	otr. bc	bc	bc	*
FRANCE, &c.	Dungeness	1000.9	WSW	5	bcp	1009.5	+3	60	+1	WSW	4	W	bc	4	20	66	56	or	o. c. bc	cg. bc	*
	Wick	998.0	SE	3	fe	997.6	+1	56	+2	NW	2	-	omr	3	11	56	53	fe. om	or. omr. fe	fe. omr	*
	Nairn	994.9	-	0	cg	997.8	+	56	-3	-	0	-	bc	0	10	67	53	cg	cg	ctr. cu	0.9
	Aberdeen	998.7	SSE	3	f	998.6	+1	57	+1	-	0	-	omp	2	10	57	55	omp. mg	mdg. f	fr. om	0.0
	Leith	997.0	W	1	r	999.9	+1	57	-4	W	2	-	c	2	4	66	53	c. o. o	adm. r	oru. c	*
	Tynemouth	997.7	SE	1	otr	1001.3	+1	58	+1	W	3	W	cm	3	22	68	53	om	o. tlr	bc. m. cm	*
	Spurn Head	998.9	SE	3	od	1004.3	+2	58	-1	W	4	-	bq	4	2	63	55	od	od	bc	0.0
	Yarmouth (Gorleston)	1000.3	NW	1	a	1005.9	+2	58	-4	WNW	3	-	bc	3	6	62	55	or. omr	omr	op. bc	0.0
	Clacton-on-Sea	1000.5	WNW	1	c	1008.3	+3	59	-1	WNW	4	W	bc	3	11	65	56	agmr	agr. ep	cp. bc	0.4
	Nottingham	1000.0	WNW	2	om	1005.8	+	58	-2	SW	2	SW	b	7	67	53	opd	otr	cg. mp. bc	0.3	
IBERIA, &c.	Benson (Oxon.)	1001.5	SW	3	bc	1008.0	+3	59	-1	SW	4	-	c	12	71	52	or	bc	bc. c	*	
	Sth Farnborough	1002.1	WSW	4	c	1009.4	+3	59	-1	WSW	5	SW	bc	20	71	53	omr. o	or. ov. c	c. bc	3.2	
	Salisbury Plain	1003.6	W	5	bc	1009.0	0	57	-2	SW	3	SW	b	23	69	52	or. c	c. bc	bc. bc	*	
	London (Kew Obs.)	1001.6	WSW	4	b	1004.3	+2	59	-2	SW	3	SW	bc	10	71	55	om. omr	umr. c. b	bc. bc	2.3	
	Spitsbergen	1006.6	S	6	c	994.2	0	43	-5	N	2	*	o	*	50	41					
	Vardö	1021.2	S	4	bc	1022.0	0	50	+2	SE	3	-	c	2	*	50	45				
	Bodö	1014.2	N	1	b	1014.0	0	70	+13	E	3	-	b	2	-	70	57				
	Christiansund	1009.0	NE	1	bc	1007.8	0	70	+11	SE	2	-	b	2	-	70	54				
	Skudesnaes	1007.4	SSE	4	b	1003.5	-2	66	+5	E	3	-	b	4	-	64	59				
	Færder (X'ania Fjord)	1009.2	-	0	o	1007.6	-1	64	+1	ENE	2	SE	bc	1	-	66	63				
MEDITERRANEAN.	The Scaw (Skagen)	1008.2	SE	1	b	1005.8	-2	64	+1	SE	2	-	bc	2	-	66	57				
	Blaavands Huk	1004.7	SE	3	c	1004.2	-2	63	+2	ESE	4	-	o	*	Trace	73	59				
	Copenhagen	1008.8	SW	2	bc	1006.0	-2	61	-2	ESE	4	-	c	*	-	68	59				
	Bornholm	1009.6	ESE	2	m	1006.8	-1	59	+2	ESE	3	-	c	1	-	64	57				
	The Helder	998.7	SE	3	r	1004.3	+4	61	-2	W	6	-	c	4	9	72	61				
	C. Gris Nez	1001.8	WSW	6	c	1010.4	+3	59	0	WSW	6	*	c	5	31	64	57				
	La Hève	1010.8	WSW	5	c	1013.2	+	57	-4	WSW	5	*	c	5	8	66	55				
	Brest (St. Mathieu)	1012.0	WNW	4	b	1016.0	+1	61	-2	WSW	4	*	bc	4	6	64	59				
	Roche fort (Ile d'Aix)	1013.5	W	5	o	1017.4	+1	63	-2	WNW	4	*	c	5	70	59					
	Biarritz	1016.8	WNW	3	o							*	c	*	5	70	59				
MEDITERRANEAN.	Paris	1006.4	WSW	4	bc	1015.2	+2	61	0	W	2	-	b	*	1	77	52				
	Belfort	1007.4	W	4	o	1016.3	+	61	+4	W	6	*	c	*	3	77	55				
	Lyons	1011.6	SW	3	b	1016.8	+	64	0	-	0	*	b	*	11	84	57				
	Nice	1008.3	E	2	b	1010.7	+2	73	+1	S	1	*	c	0	13	81	63				
	Perpignan	1011.8	-	0	b	1015.5	+2	75	+2	W	3	-	b	*	12	91	68				
	Sanguinaire	1012.8	SW	2	m	1012.8	+	75	0	SE	3	*	m	3	27	90	54				
	Corunna	1018.2	W	3	c	1020.8	+1	66	0	NW	1	-	c	1	Trace	73	61				
	Madrid	1011.9	NW	1	b	1015.6	+2	72	+4	-	0	-	b	*	-	91	64				
	Lisbon	1019.4	NNW	4	b	1018.7	-1	70	0	NNW	1	-	o	5	-	81	68				
	Azores (Horta)	1022.8	SW	4	b	1021.8	+1	66	0	SSE	2	*	o	2	-	75	64				
MEDITERRANEAN.	" (P. Delgada)	1022.3	W	4	b	1022.4	0	68	+4	-	0	*	b	2	-	75	63				
	Madeira	1019.9	NE	4	bc	1015.0	-1	66	0	NE	3	*	b	3	-	77	66				
	Gibraltar	1015.2	NW	6	b	1014.5	+	74	+3	NW	5	*	b	2	-	94	70				
	Palma	1015.0	SW	5	b	1014.8	0	79	0	NE	3	-	b	4	-	84	68				
	Algiers	*	*	*	*	1011.0	+1	81	-	NW	3	-	b	1	-	91	75				
	Malta	*	*	*	*	1007.5	+3	77	-4	NNW	3	-	b	8	93	67					
	Salonica	1006.1	NW	1	c																
	Athens	*	*	*	*	1004.7	+1	84	-6	W	1	-	b	2	-	101	64				
	Candia	*	*	*	*	1008.4	0	77	-4	WSW	2	W	bc	1	-	88	72				
	Limassol	1008.7	N	2	b	1007.9	+2	81	+4	NW	2	-	b	*	-	101	72				
Alexandria	1007.2	N	3	b	*	*	77	-2	NW	2	-	b	*	-	88	66					
Cairo (Helwan)	1007.2	N	3	b	1007.9	+2	81	+4	NW	2	-	b	*	-							

\* Information for these columns not usually received.

+ Received too late for insertion in Charts

+ The barometric change is expressed in half-millibars

## BEAUFORT NOTATION.

b blue sky (not more than a quarter covered).  
bc sky partly cloudy (one half covered).  
c generally cloudy (three quarters covered).  
d drizzle, or fine 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.  
rs sleet, i.e., rain and snow together.  
s snow.  
t thunder.  
u ugly, threatening sky.  
v unusual visibility.  
w dew.  
x hoar frost.  
y dry air; humidity less than 60 per cent.  
z dust haze; the turbid atmosphere of dry weather.

## THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-2	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.1
11	64-75	28.5-33.5
12	Above 75	33.6 or above

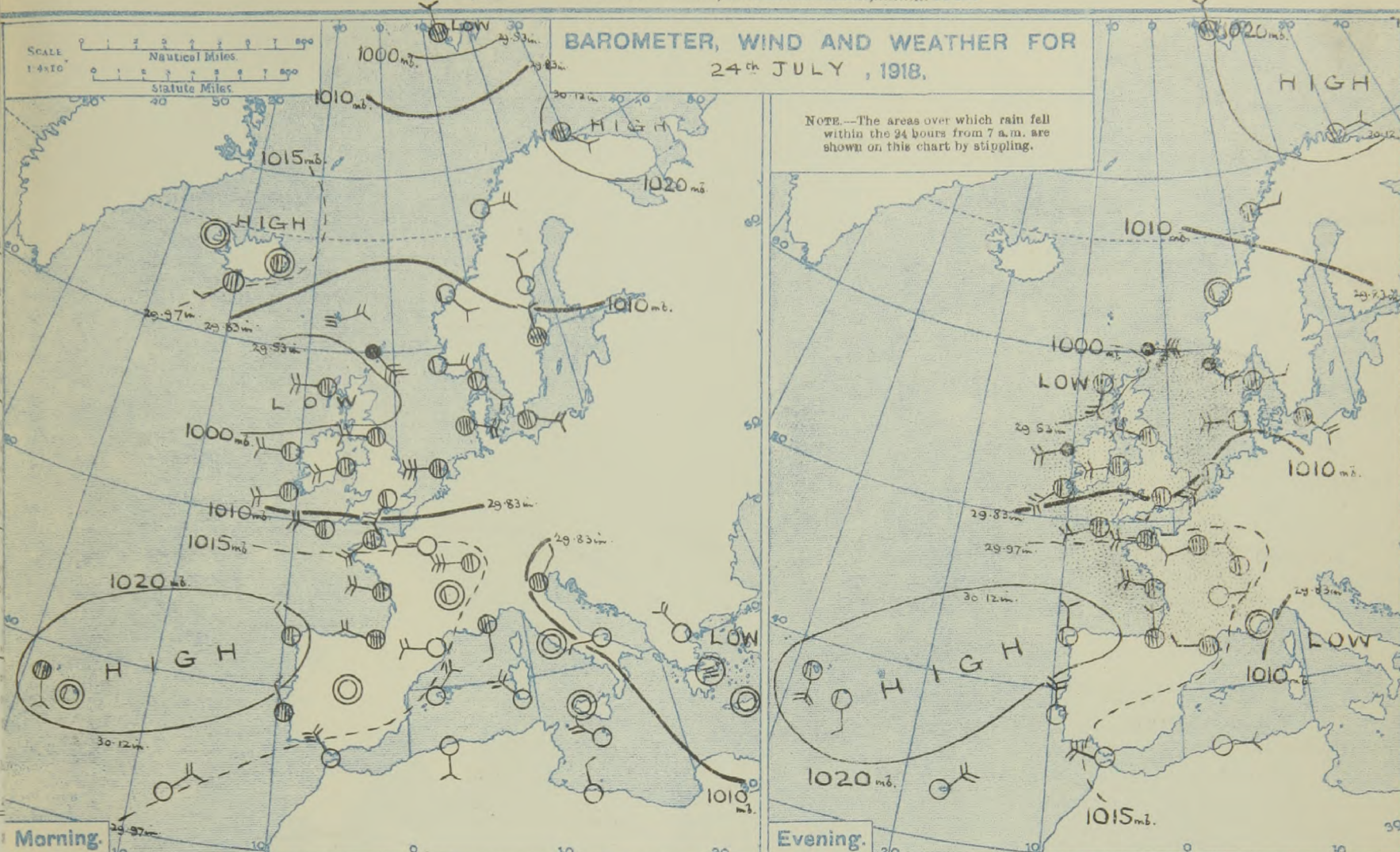


# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,699

THURSDAY, 25<sup>th</sup> JULY, 1918.

## BAROMETER, WIND AND WEATHER FOR 24<sup>th</sup> JULY, 1918.



### WEATHER TELEGRAMS FROM FOREIGN STATIONS OF Wednesday, 24<sup>th</sup> JULY.

STATIONS.		EVENING OF... 23 <sup>rd</sup> ...					MORNING OF... 24 <sup>th</sup> ...										MORNING OF... 24 <sup>th</sup> ...						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.
		° F.							° F.	° F.					° F.	° F.			° F.	° F.			
RUSSIA.	Archangel ...														*	*							b
	Petrograd ...														*	*							b
	Moscow ...														*	*							
SWEDEN.	Hernösand ...													*	*	*							
	Stockholm ...													*	*	*							
	Wisby ...													*	*	*							
ITALY.	Venice ...	1008.0	77	-	0	b	1009.7	*	75	+3	NE	1	0	-	82	71	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM	25 <sup>th</sup> and 26 <sup>th</sup> JULY, 1918.	Sunrise.	Noon.	Sunset.		
	Turin ...						1009.8	*	73	+3	-	0	b	-	84	68			G.M.T.	G.M.T.	G.M.T.		
	Pesaro ...	1009.4	77	-	0	b	1009.7	*	82	0	-	0	b	e	-	84		70					
	Leghorn ...						1010.9	*	77	+2	-	0	e	-	81	72							
	Rome ...	1011.7	77	W	1	b	1012.9	*	77	+4	-	0	b	-	89	70							
	Viesti ...	1009.4	79	NW	1	b	1009.9	*	82	+1	W	1	b	-	84	74							
	Brindisi ...	1008.6	77	NW	2	b		*															
	Cagliari ...						1013.1	*	75	0	NW	4	b	-	91	66							
	Palermo ...						1012.2	*	73	-2	-	6	b	-	91	66							
	Tripoli ...						1014.7	*	79	-2	NNE	1	b	-	99	73							

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

25 <sup>th</sup> and 26 <sup>th</sup> JULY, 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	4.3	11.59	7.54
Greenwich ...	...	4.4	11.55	7.53
Wick ...	...	4.14	12.6	7.58
Valencia ...	...	4.16	12.6	7.56
		3.49	12.18	8.47
		3.51	12.18	8.45
		4.54	12.47	8.41
		4.55	12.47	8.40

LONDON		25 <sup>th</sup> JULY, 9h. G.M.T.		Humidity.		Sun-shine for 24 h.	24 HOURS ENDED 0 h. ... 25 <sup>th</sup> JULY.				WEATHER.		
		15 h.	9 h.	%	%		Max.	Min.	Min. on Grass.	Rain-fall mm.	Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)		84	64	8.9	74	53	46	21	c.op	cpt. cp	cp. bc		
CITY (Bunhill Row)				7.7	*	*	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)		80	78	7.7	68	55	52	24	bc.ru.bc	bc	cr. bc		
" (Roof near Charing Cross)		78	66	8.5	68	55	*	19	cpq	tlpq. ctp	*		
CAMDEN SQ. (British Rainfall)		68	68	6.9	72	53	49	9	b	bc.or	*		
KENSINGTON PALACE		56	75	8.7	72		50	20	bc.op	obp. cp	*		

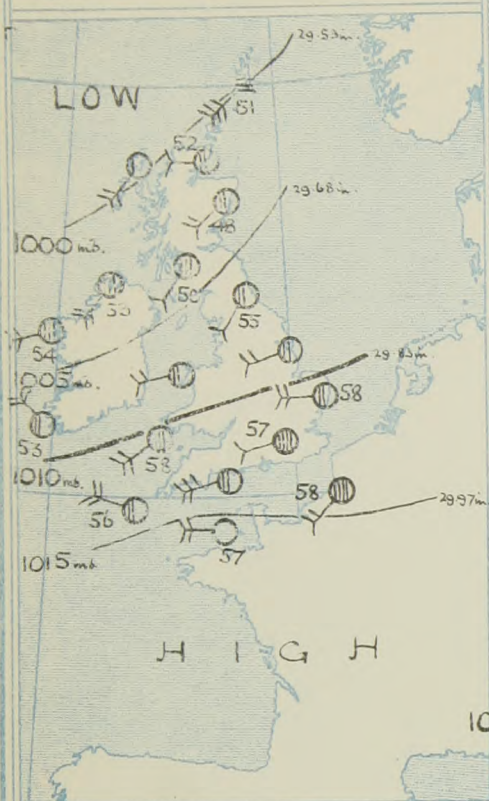
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 24 <sup>th</sup> .		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1620	28.5	84

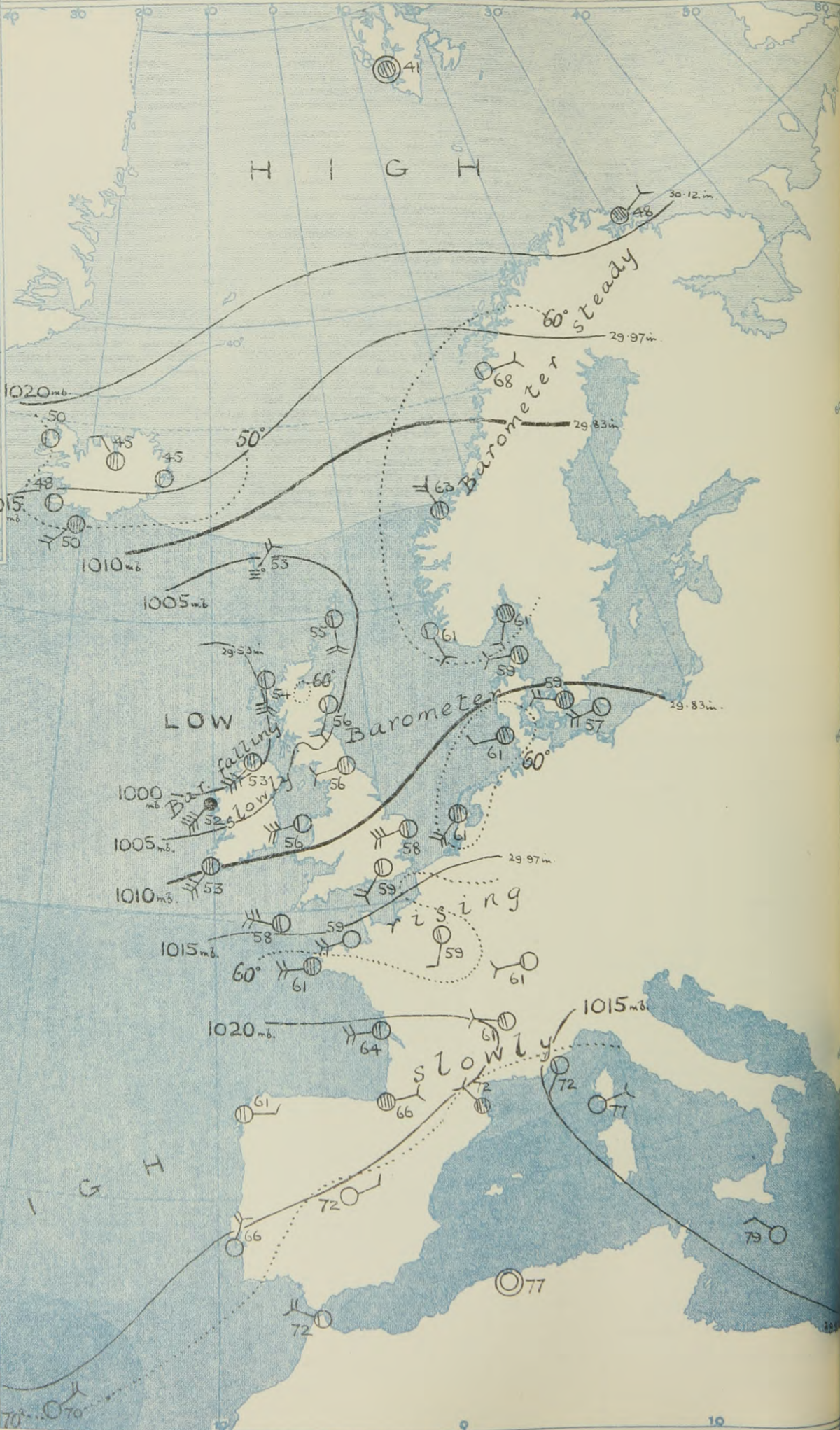
The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies id. at Meteorological Office.



25<sup>th</sup>, JULY, at 1h. G.M.T.

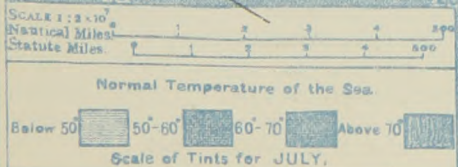


THE MORNING OF THURSDAY, 25<sup>th</sup>, JULY 1918, at 7h. G.M.T.



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.  
x snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.  
T, thunderstorm.
- SEA DISTURBANCE.**—Rough ~~~~~ High ~~~~~







SALES.

The temperature rose to 70° again at a few English stations. There was thunder along the east coast of England, and at London, Nottingham, Aberdeen and Donaghadee. Little or no rain fell on the south coast of England, but there was a total of 18mm in London, 15mm at Aberdeen and 14mm at Deerness. Many stations experienced about 10 hours of bright sunshine.

There is a depression off the Hebrides, probably the same one that was over Northern Scotland yesterday.

The barometer is rising generally except in NW Ireland, where a fall is in progress.

The wind is southerly in Scotland, and SW or NW over England and Ireland. It blows freshly in the south of England and in the Hebrides and with considerable strength in the west of Ireland, but is quite light in the interior of Scotland.

The weather is fair in the east, but showery in the west. The temperature varies between 55° and 60°

Moderate S to SE breezes and changeable, showery weather with local thunder are probable in Scotland. Similar weather is probable in the south, but the wind will be from SW, moderate to fresh in England, strong at times on our western coasts. Temperature will differ little from the normal.

28. 11.



A hand-drawn weather map of the United States, showing a low-pressure system (LOW) over the Great Lakes and a high-pressure system (HIGH) over the Gulf of Mexico. The map includes isobars for 1000, 1005, 1010, and 1015 mb, and isotherms for 29.59 in, 29.68 in, 29.82 in, and 29.97 in. Weather symbols for clouds, rain, and wind are used to indicate conditions at various stations.

**Isobars:**

- 1000 mb
- 1005 mb
- 1010 mb
- 1015 mb

**Isotherms:**

- 29.59 in
- 29.68 in
- 29.82 in
- 29.97 in

**Weather Symbols:**

- Clouds (represented by circles with horizontal lines)
- Rain (represented by circles with vertical lines)
- Wind (represented by lines with flags)

**Stations and Data:**

- 58 (clouds)
- 62 (clouds)
- 54 (clouds)
- 63 (clouds)
- 60 (clouds)
- 64 (clouds)
- 59 (clouds)
- 63 (clouds)
- 55 (clouds)
- 60 (clouds)

The depression off the Hebrides does not appear to have moved appreciably since the morning. The barometer changes are slight and a changeable showery type of weather with local thunder prevails over the British Isles.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 206. Thursday, 25<sup>th</sup> JULY

STATIONS.		EVENING OF 24 <sup>th</sup> .					MORNING OF 25 <sup>th</sup> .										24 HOURS ENDED 7 h. 25 <sup>th</sup> .					Sun- shine for 24 <sup>th</sup> Hours.
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours.	Direc.	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.	Lerwick	1000.9	53	E	5	omr	1004.5	+5	55	+5	S	4	-	bc	3	7	56	48	omr	omr	om	0.0
	Deerness (Orkney)	1000.0	52	NW	4	o	1003.4	*	53	-1	S	3	SW	b	3	14	55	49	fr	or. o	g. r. b	0.0
	Stornoway	999.9	60	SSW	3	bc	1000.5	0	54	-1	S	5	-	bc	4	0.3	63	52	c	bc	g. b. bc	8.6
	Castlebay (Barraisd.)	1000.1	56	SW	5	c	998.7	0	53	-2	SSE	5	-	op	5	5	58	52	c. bc	bc	cr. op	11.5
	Glasgow	1003.9	60	SW	4	bc	1005.1	+1	53	-2	SSW	3	-	omg	*	8	62	50	c. orhp	c. bc	bc. com	6.5
	Eskdalemuir	1004.1	57	SW	4	cp	1006.3	+1	53	+1	SSW	4	-	o	*	4	59	47	c. ophq	op. c. op	c. bc. o	4.7
	Malin Head	1001.5	59	W	5	bcq	999.2	-1	53	+1	SW	6	SW	ca	5	1	60	51	bcp	bcq	ca	8.4
	Blacksod Point	1004.4	56	WSW	4	cp	1001.1	-2	52	-3	SW	7	-	omr	5	2	62	50	bcp	bcp	cp. omr	*
	Valencia (Cabiriveen)	1009.1	60	SW	5	bc	1009.6	0	53	-3	SW	5	W	cp	4	4	63	53	cp. bc	c. bc	bc. cp	10.5
	Roche's Point	1009.3	61	SW	3	bc	1010.1	*	55	-1	WSW	3	W	b	3	1	65	53	bc. cp	c. bc	c. b	*
	Birr Castle	1006.3	59	W	1	c	1007.1	*	53	-1	SW	1	-	c	*	4	64	51	cp	cp	cp	10.0
	Donaghadee	1004.4	60	W	4	cmpq	1005.0	-1	54	+1	SW	4	SW	bc. m	3	2	65	53	cg. bcp	bcq. cl	cmp. bc	*
	Liverpool (Bidston)	1007.0	60	WSW	4	bc	1008.3	+1	57	-1	SSW	1	W	c	1	2	63	54	op. bc	bc	bc	5.6
	Holyhead	1006.9	58	WSW	4	cg	1007.8	0	56	0	WSW	5	W	bq	4	7	63	52	c. bc. c	cg	c. bc. b	7.5
	Pembroke (St. Ann's)	1010.3	59	SW	5	bcq	1011.1	+2	57	0	SW	4	W	bc. q	4	0.1	60	55	bcq. bq	bq. bcq	c. bc. q	13.1
	Hartland Quay	1012.3	61	SW	5	bc	1013.2	+1	58	-1	SW	5	-	cpq	5	3	61	57	bc. q	b. bc	co. cpq	*
	Scilly (St. Mary's)	1013.6	60	WNW	4	c	1014.7	+1	58	0	WNW	5	W	bcp	5	1	64	55	bcp	bcp	cp. bcp	9.9
	Falmouth	1013.1	61	WSW	5	bcq	1014.5	+1	59	0	SW	4	-	bc	*	-	66	53	ca. bcq	bcq. bq	bc	11.3
	Jersey (St. Aubin)	1015.5	62	W	4	o	1016.8	*	59	-1	WSW	4	-	b	3	Trace	65	58	c. bc	c. b. op. o	c. b	11.8
	Portland Bill	1011.5	60	WSW	6	b	1013.5	+2	59	0	WSW	5	SW	bc	5	-	61	58	bc. b	bc. b	b. bc	*
	Dungeness	1012.3	61	WSW	5	b	1014.0	+2	60	0	WSW	4	SW	bc	4	-	65	58	bc	bc	c. bc	*
NORTHERN EUROPE.	Wick	1000.4	55	SE	1	c	1003.2	+1	54	-2	S	2	-	bc	3	5	57	49	omr	omr. c	bcq	*
	Nairn	1000.1	62	W	3	bc	1002.4	*	60	+4	-	0	-	bcq	1	0.2	65	44	bc. cv	cv. bc	bcp	4.7
	Aberdeen	1001.4	60	SW	1	cp	1004.8	+2	56	-1	SSW	2	SW	b	2	15	66	47	omp. cp	cpt	cp. b	3.6
	Leith	1002.1	64	WSW	3	b	1004.7	+1	57	0	SW	1	-	c	1	-	65	50	cu. c. bc	b	bc. ooc	*
	Tynemouth	1004.0	63	WNW	3	c	1006.8	+1	56	-2	WSW	2	-	cm	3	0.4	65	53	omp	omp	cm	*
	Spurn Head	1007.8	59	W	3	c	1009.9	0	56	-2	SW	4	-	bc	4	6	67	53	ctt	ctt. c	bc	6.2
	Yarmouth (Gorleston)	1009.3	63	SSW	3	bc	1011.0	+3	58	0	WSW	5	-	bcq	3	3	70	54	bc	bc. clp	bc	12.5
	Clacton-on-Sea	1010.7	63	SW	3	bc	1012.1	+2	59	0	WSW	3	W	bc	3	9	69	57	bc	ctt. p	c. bc	7.5
	Nottingham	1007.6	66	W	4	b	1010.0	*	58	0	SW	2	SW	b	*	Trace	70	51	bctp	c. bc	b. bc	11.7
	Benson (Oxon.)	1009.9	66	WSW	2	c	1012.2	+1	58	-1	SW	3	-	bc	*	1	70	51	c	bc	b	*
FRANCE, &c.	Sth Farnborough	1010.7	59	WSW	3	op	1013.2	+2	58	-1	WSW	5	-	bc	*	8	69	53	bc. v. o	o. cp. op. o. b. bc	8.3	
	Salisbury Plain	1008.7	59	SW	3	c	1013.3	+1	57	0	SW	3	SW	bc	*	7	66	51	bc. op. q	cp. bc	b. bc	*
	London (Kew Obsy.)	1011.0	61	SW	1	c	1013.3	+1	59	0	SW	3	-	bc	*	18	67	55	bc. bcp. bc. cpt. bcp. c. cor. b			8.5
	Spitsbergen	1019.8	48	N	2	o	1020.7	0	41	-2	-	0	*	o	*	*	43	39				
	Vardö	1021.8	46	E	2	bc	1022.4	0	48	-2	ENE	2	-	o	2	*	50	45				
	Bodö	1012.4	70	E	1	c	1012.8	0	68	-2	E	2	-	b	2	-	73	64				
	Christiansund	1005.8	73	-	0	b	1006.4	0	63	-7	NNW	3	-	b	3	-	77	54				
	Skudesnaes	1003.1	61	SE	4	r	1007.5	+1	61	-5	SSE	2	-	b	3	3	68	55				
	Færder (Kjølania Fjord)	1005.2	66	SW	1	c	1006.6	0	61	-3	SSW	2	-	o	1	8	72	61				
	The Scaw (Skagen)	1004.4	64	E	1	c	1007.5	+2	59	-5	W	2	-	c	2	3	68	55				
IBERIA, &c.	Blaavands Huk	1009.9	61	W	4	b	1012.0	+1	61	-2	W	1	SW	c	*	3	64	57				
	Copenhagen	1006.2	63	SSE	2	r	1011.8	+2	59	-2	WNW	3	-	o	*	23	70	55				
	Bornholm	1007.1	63	SE	3	m	1010.7	+3	57	-2	W	4	W	b	1	4	64	55				
	The Helder	1010.7	63	SW	5	b	1012.0	+1	61	0	SW	4	-	c	2	-	64	61				
	C. Gris Nez	1013.2	61	WSW	5	b	1014.8	+1	59	0	SW	5	*	b	4	-	63	57				
	La Hève	1016.0	57	WNW	3	c	1018.2	*	57	0	WSW	4	*	bc	3	8	68	55				
	Brest (St. Mathieu)	1017.5	63	WSW	3	bc	1019.1	+2	61	0	W	4	*	c	3	6	66	59				
	Rochefort (Ile d'Aix)	1018.7	66	WNW	4	bc	1020.7	+3	64	+1	W	4	*	bc	*	5	73	61				
	Biarritz	1019.5	68	N	2	c	1021.4	+2	66	+2	ENE	2	*	o	2	4	75	64				
	Paris	1016.3	68	WSW	2	bc	1019.0	+2	59	-2	SSW	1	-	bc	*	1	73	55				
MEDITERRANEAN.	Belfort	1016.0	70	NW	2	b	1018.7	*	61	0	W	2	*	b	*	3	72	52				
	Lyons	1015.6	75	E	1	b	1019.9	*	61	-3	WNW	2	*	b	*	11	82	57				
	Nice	1010.3	75	-	0	bc	1013.8	+2	72	-1	SW	1	*	b	2	13	82	63				
	Perpignan	1016.0	75	W	1	o	1018.8	+2	72	-3	NW	2	-	o	*	12	88	66				
	Sanguinaire	1013.0	82	NW	3	b	1014.4	*	77	+2	E	2	*	b	3	27	90	64				
	Corunna	1022.0	66	N	2	b	1024.7	+2	61	-5	E	1	-	bc	2	-	68	54				
	Madrid	1011.6	88	WSW	1	b	1016.7	+2	72	0	-	0	-	b	*	-	90	63				
	Lisbon	1018.4	73	N	4	b	1019.8	+1	66	-4	NNE	3	-	b	5	-	81	63				
	Azores (Horta)	1022.4	*	S	4	bc	1022.0	+1	68	+2	S	4	*	bc	2	-	77	66				
	„ (P. Delgada)	1022.8	*	SSE	1	b	1022.7	0	68	0	SSE	2	*	o	2	-	77	64				
	Madeira	1018.7	73	NE	4	b	1019.9	0	70	+4	NE	3	-	o	2	-	75	66				
	Gibraltar	1014.5	76	WNW	5	b	1015.6	*	72	-2	WNW	3	*	b	3	-	90	70				
	Palma																					
	Algiers	1013.8	82	E	2	b	1015.9	+1	77	-4	-	0	-	b	0	-	90	73				
	Malta		*	*	*	*	1014.3	+2	79	-2	NW	1	-	b	*							

### THE BEAUFORT SCALE OF WIND FORCE.

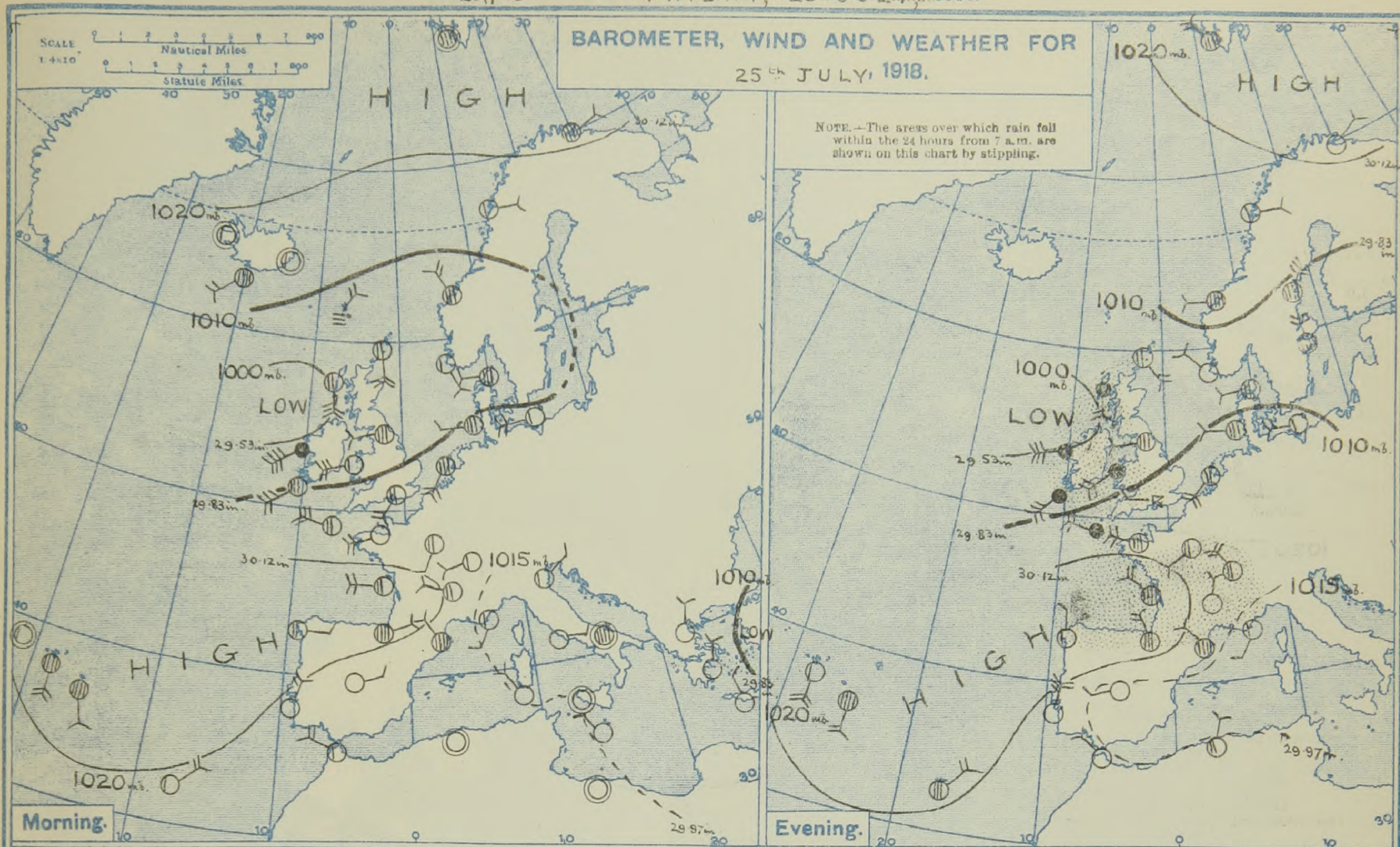
No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,700

FRIDAY, 26 JULY, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF Thursday, 25<sup>th</sup> JULY.

STATIONS.		EVENING OF.....24th.....					MORNING OF.....25th.....										MORNING OF.....25th.....						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.
		° F.					° F.	° F.					° F.	° F.			° F.	° F.					
RUSSIA.	Archangel ...													*	*		Isafjord ...	1019.0	50	-4	-	0	b
	Petrograd ...													*	*		Reykjavik	1014.3	48	+2	-	0	b
	Moscow ...													*	*		Vestmanna	1013.1	50	+2	SW	3	o
SWEDEN.	Hernösand ...						*						*	*	*		Seydisfjord	1015.6	45	+2	-	0	b
	Stockholm ...						*						*	*	*		Thorshavn	1001.6	53	+2	NE	3	m
	Wisby ...						*						*	*	*		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
ITALY.	Venice ...					1013.1	*	77	+2	NE	1	b	-	82	73	26 <sup>th</sup> and 27 <sup>th</sup> JULY, 1918.			Sunrise.	Noon.	Sunset.		
	Turin ...	1010.5	84	SSW	1	b	1013.4	*	63	-10	NE	3	c	-	86	66							
	Pesaro ...						1012.9	*	84	+2	-	0	b	-	86	72							
	Leghorn ...	1012.1	77	-	0	b	1013.4	*	81	+4	-	0	b	-	84	72							
	Rome ...	1013.3	77	SW	1	?	1014.7	*	77	0	E	1	b	-	90	72							
	Viesti ...	1010.3	84	SSW	1	b	1013.9	*	72	-10	-	0	o	-	84	73							
	Brindisi ...	1010.9	77	NW	2	b	1014.5	*	79		-	0	b	-	81	72							
	Cagliari ...						1014.2	*	77	+2	NW	2	b	-	91	70							
	Palermo ...						1015.3	*	82	+9	-	0	b	-	90	66							
	Tripoli ...						1016.3	*	77	-2	-	0	b	-	99	68							
	Yarmouth ...																...	...	...	4.4	11.59	7.53	
	Greenwich ...																...	...	...	4.5	11.59	7.52	
	Wick ...																...	...	...	4.16	12.6	7.56	
	Valencia ...																...	...	...	4.17	12.6	7.55	
																				3.51	12.18	8.45	
																				3.53	12.13	8.43	
																				4.55	12.47	8.40	
																				4.56	12.47	8.35	

LONDON 26 <sup>th</sup> JULY, 9h. G.M.T.	HUMIDITY.		Sun- shine for Hours.	TEMPERATURE.			Rain- fall. mm.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
	%	%		°F.	°F.	°F.				
GREENWICH (Royal Observatory) ..	87	73	9.8	70	54	49	9	bc. ep	opt. op	otlr. cd
CITY (Bunhill Row) ..	*	*	9.4	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ..	86	84	9.6	69	56	52	11	tru. bc	bc	otlr. cd
.. (Roof near Charing Cross) ..	78	81	8.7	69	56	*	11	c. bc	epqtl	bc. ep
CAMDEN SQ. (British Rainfall) ..	?	73	7.2	72	54	52	12	bc	otr	*
KENSINGTON PALACE ..	79	76	9.2	72	56	51	16	bc. ep	ep. op	*

Note.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

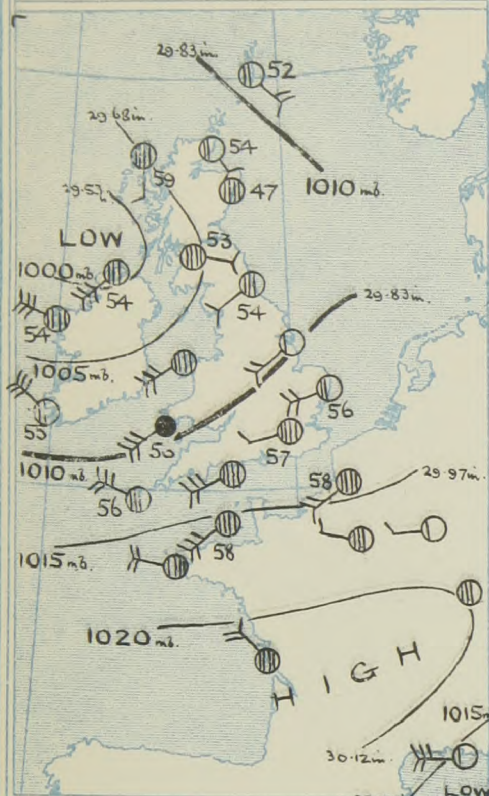
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 25 <sup>th</sup> .		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1550	27.4	83

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 Meteorological Office.



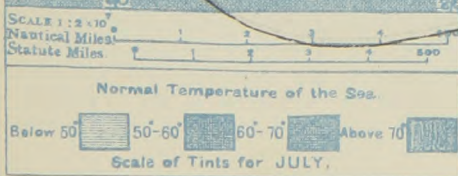
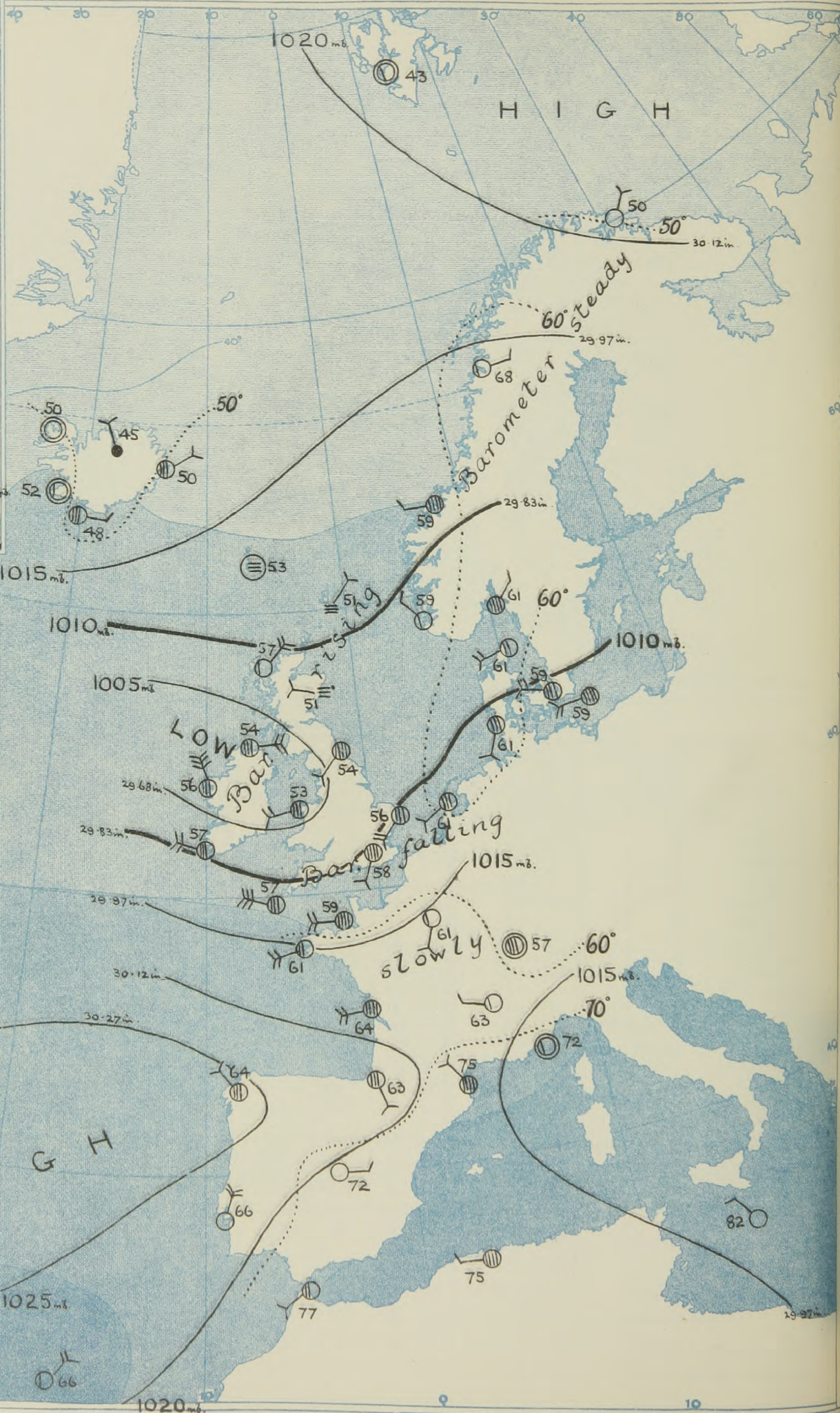
26<sup>th</sup>, JULY, at 1h. G.M.T.

THE MORNING OF FRIDAY, 26<sup>th</sup>, JULY 1918, at 7h. G.M.T.

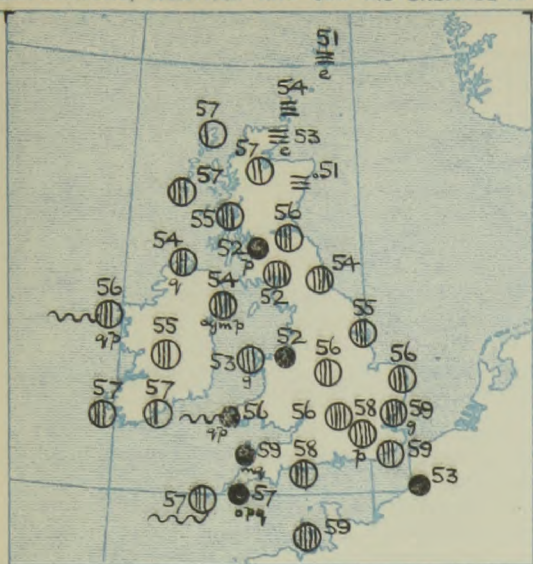


**EXPLANATION.**

- 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 ½ clouded. ○ sky ¾ clouded.  
⊖ sky ¾ clouded, overcast sky. ● rain falling.  
\* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.  
⚡, thunderstorm.
- SEA DISTURBANCE.**—Rough ~~~~~ High ~~~~~







## GALES.

Notes on the Weather of the 24 hours ended 7h Today.

The day was cooler than of late, no maximum quite reached 70°. The largest total of rainfall was again in London (16mm), while Blacksod Point had 11mm, and Valencia and Birr Castle 10mm. In NE England and in Scotland there was very little. At Aberdeen the sun shone for 14 hours, and for 10 or 11 hours at Liverpool, Pembroke, Jersey and Yarmouth. Some thunder and lightning occurred in various parts of England. Fog has appeared on the NE coast of Scotland.

The Conditions at 7h Today.

The depression that was off the Hebrides yesterday now covers northern Ireland and the Irish Sea, and is moving SE.

The wind is from SW over England, and blows strongly in the south-west, but is light or moderate towards the north and east. In Scotland there is a light E breeze, and in Ireland there is a cyclonic circulation, mostly of moderate force, but strong from NNW at Blacksod Point.

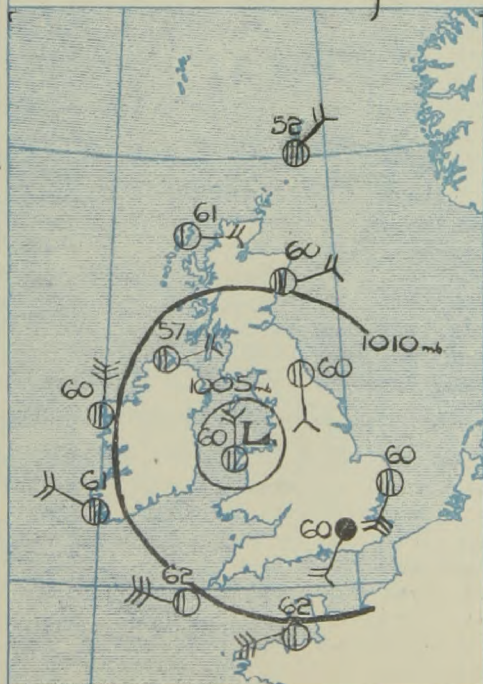
There is much cloud, and rain is falling at a number of stations from Scilly up to Glasgow. Fog has spread up to the NE of Scotland from the east.

The temperature differs little from that of the past few days.

The Outlook.

In Scotland the easterly breeze will freshen somewhat, and rain will fall in the south. In Ireland and SW England fresh W to NW breezes, with changeable showery weather, and in England generally moderate SW to W breezes and dull to rainy weather are expected. Temperature will be about normal generally, but cool in the west.

N.H.

Friday, 26<sup>th</sup>, JULY, 1918, at 13h. (1p.m.) G.M.T.

The depression is still travelling in a south-easterly direction. Over Scotland the weather is fair or fine, but it is raining in the east and south of England, and there is a likelihood of a considerable fall in these parts during the twenty-four hours.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 207. Friday, 26th JULY.

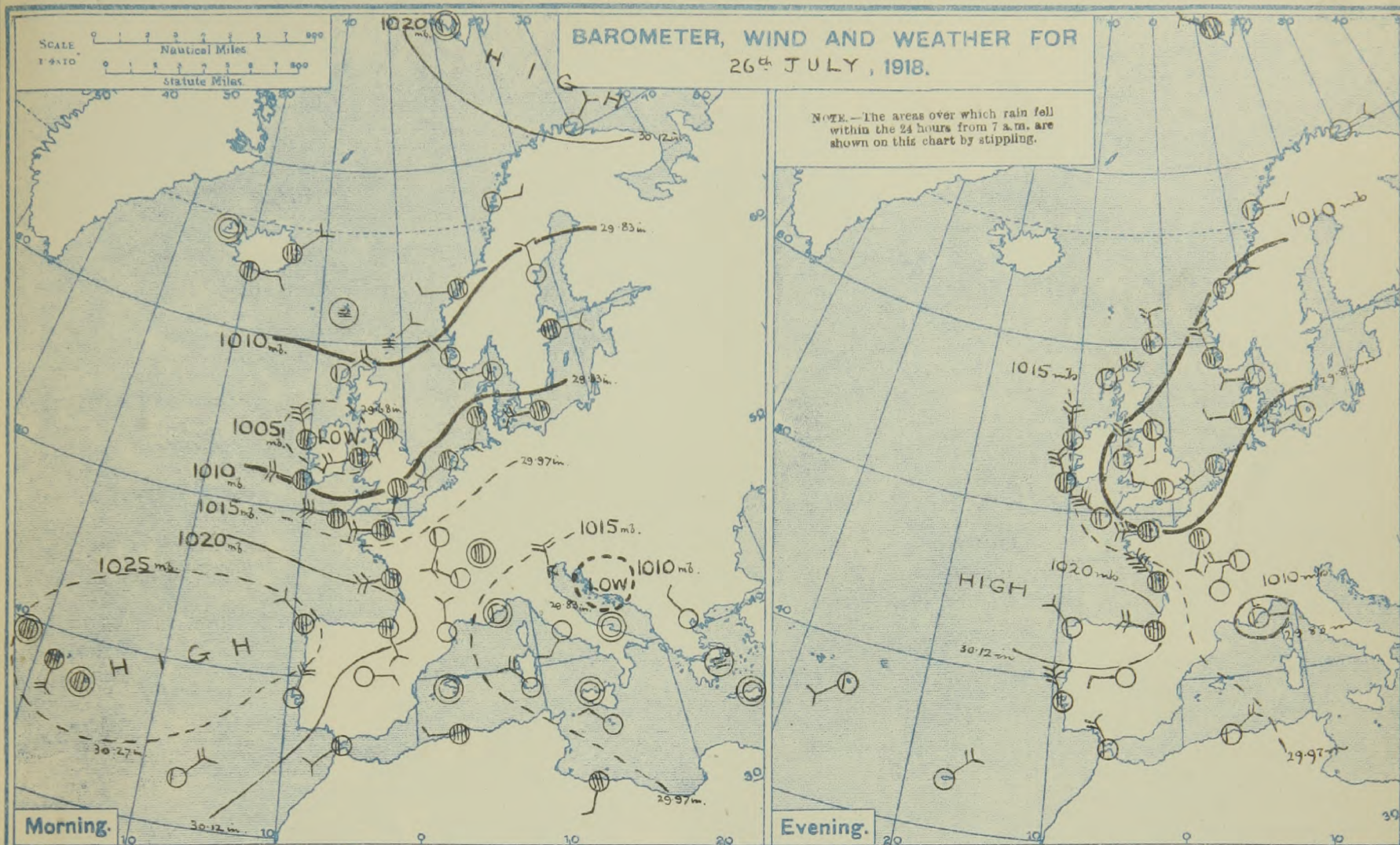
STATIONS.		EVENING OF 25th					MORNING OF 26th								24 HOURS ENDED 7 h. 26th							Sun- shine for 25th	
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Dir.	Force 0-12						Dir.	Force 0-12					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1008.9	56	SE	3	bc	1011.4	+2	51	-4	NE	2	-	fe	1	0.2	59	49	bc	bc	fe		
	Deerness (Orkney)	1005.7	56	SE	4	b	1010.1	+	54	+1	ENE	2	-	f	2	Trace	58	49	b bc	bc b	b bc f	12.5	
	Stornoway	1002.7	58	S	3	adp	1008.1	+3	57	+3	NE	4	-	f	3	0.2	59	49	c o	odp	o b	0.5	
	Castlebay (Barra Isd.)	999.5	55	ESE	5	o	1007.0	+4	57	+4	NE	3	-	c	3	4	57	53	op r	or	o c op	0.0	
	Glasgow	1004.9	55	S	3	op	1006.5	+2	52	-1	ENE	3	-	op	2	1	63	50	om c	c omp	o c	0.9	
	Eskdalemuir	1006.3	56	S	4	o	1006.1	o	52	-1	ENE	2	-	o	2	8	60	49	op cy c	ov op o	o omr	6.3	
	Malin Head	998.4	55	SW	3	cmp	1002.8	+5	54	+1	E	4	E	cg	4	5	56	52	omp q	omr	cmp	0.0	
	Blacksod Point	1000.1	56	WSW	6	omp	1004.6	+5	56	+4	NNW	6	-	cpq	5	11	58	50	omr	emp q	emp		
	Valencia (Cahirveen)	1009.4	55	SW	5	r	1010.0	+3	57	+4	WNW	4	-	c	4	10	61	53	bc p c	cp or	ar op c	5.3	
	Roche's Point	1009.7	57	W	4	o	1007.7	+	57	+2	NW	3	NW	bc	3	4	62	53	bc cp	cp o	or o bc		
	Birr Castle	1005.2	57	SW	2	c	1004.1	+	55	+2	W	2	-	c	2	10	58	51	c op	o cp	o cp	1.7	
	Donaghadee	1003.5	57	SW	4	omp q	1002.7	+1	54	o	SE	2	-	og imp	2	4	62	52	bc mp q	cmp q	omp q		
	Liverpool (Bidston)	1008.1	60	SW	4	bc	1004.9	-2	52	-5	SSE	3	-	r	2	4	65	51	bc p	bc	or	10.5	
	Holyhead	1007.2	56	SW	4	cp	1003.8	-1	55	-1	WSW	3	W	cg	2	3	61	53	b bc q	bc cp	cp c op	6.8	
	Pembroke (St. Ann's)	1011.2	58	SW	5	bc q	1006.5	+1	56	-1	WSW	4	-	op q	5	3	60	54	bc p q	bc p q	cp q	10.6	
	Hartland Quay	1013.3	59	SW	7	op q	1008.4	-2	59	+1	SW	7	-	omr q	6	9	61	55	cp q o	op q c o	o ad q		
	Scilly (St. Mary's)	1015.3	57	WNW	4	cp q	1012.3	-1	57	-1	WNW	6	W	c	6	3	64	55	cp	cp q	cp q	6.6	
	Falmouth	1014.8	60	SW	5	cg	1011.1	-2	57	-2	SW	6	-	op q	2	1	65	53	bc q	bc q	op q	8.0	
	Jersey (St. Aubin)	1017.7	63	WNW	4	c	1014.3	-3	59	o	W	4	-	o	3	-	65	58	b	bc	c o	10.8	
	Portland Bill	1014.2	60	WSW	6	bc	1011.0	-3	58	-1	WSW	5	SW	c	5	-	61	57	bc	bc	o c		
	Dungeness	1014.3	62	WSW	5	b	1011.6	-1	59	-1	SSW	4	SW	c	4	-	65	57	bc	bc	bc cp		
NORTHERN EUROPE.	Wick	1008.1	56	SE	3	bcm	1009.3	+3	53	-1	ESE	1	-	fe	2	-	57	52	bc	bcm	bcm fe		
	Nairn	1004.0	56	-	o	cg	1007.3	+	57	-3	-	o	-	bc	1	1	66	44	bc cg	cg p	cg	3.7	
	Aberdeen	1005.9	59	SE	3	b	1007.8	+1	51	-5	WNW	2	-	bcm	2	-	63	47	b	b	bw bcm	14.1	
	Leith	1004.7	63	SW	2	bc	1005.9	o	56	-1	E	2	E	c	1	1	69	53	c bc cr	bc c bc	bc cp c		
	Tynemouth	1006.7	62	WSW	2	cm	1006.4	o	54	-2	SW	2	-	omg	2	-	66	52	cmp	cm	bcm cmg		
	Spurn Head	1009.7	63	SW	3	c	1008.5	-1	55	-1	SW	3	-	c	3	-	66	52	c	bc p c	c bc c	5.2	
	Yarmouth (Gorleston)	1011.6	64	SW	3	bc	1010.8	-2	56	-2	SW	3	-	c	3	2	69	53	bc p q	bc p q	bc c	9.7	
	Clacton-on-Sea	1012.9	62	WSW	4	c	1011.1	-1	59	o	SSW	4	W	og	3	4	67	56	bc c	cp q c	cp c o	7.5	
	Nottingham	1010.1	58	SW	2	c	1007.6	+	56	-2	SSW	2	SW	c	2	5	65	51	bc p t	op c c	op bc	7.9	
	Benson (Oxon.)	1012.3	60	SW	3	bc	1009.2	-2	56	-2	SSW	3	-	o	2	2	67	53	cp b	bc v p	bc c		
Sth Farnborough	1013.2	60	WSW	5	c	1010.6	-2	57	-1	SSW	5	SW	o	2	7	68	54	bc p op	op bc op	o or o	9.0		
Salisbury Plain	1013.3	59	WSW	3	bc	1010.3	-4	55	-2	SSW	3	-	o	2	8	64	52	cp q c	bc p c	bc c o d			
London (Kew Obsy.)	1013.4	57	W	1	cutlr	1010.8	-2	58	-1	SSW	2	-	op	2	16	66	56	bc p c	cp cutlr	cutlr c	8.5		
FRANCE, &c.	Spitsbergen	1022.3	39	NW	3	o	1020.3	-1	43	+2	-	o	+	b	2	+	43	39	THE BEAUFORT SCALE OF WIND FORCE.				
	Vardö	1021.9	48	NE	2	b	1021.2	o	50	+2	NE	2	-	b	2	+	50	45					
	Bodö	1021.4	66	E	2	b	1012.4	o	68	o	E	1	-	b	2	-	72	61	Limits of Velocity.				
	Christiansund	1011.5	59	W	2	o	1010.8	o	54	-4	W	1	-	o	2	-	63	52					
	Skudesnaes	1009.2	61	NW	2	b	1008.7	-1	59	-2	NW	1	-	b	2	-	63	52	No.				
	Færder (Xtanta Fjord)	1007.9	63	SW	1	c	1007.2	o	61	o	NE	1	-	o	2	-	66	61					
	The Scaw (Skagen)	1008.8	63	WSW	2	bc	1007.1	o	61	+2	WSW	3	W	bc	3	-	66	52	Statute miles per hour.				
	Blaavands Huk	1011.6	61	W	2	c	1011.0	-1	61	o	SSW	2	SE	c	2	-	63	55					
	Copenhagen	1011.5	59	-	o	c	1011.8	o	59	o	WNW	3	-	c	2	29	68	55	Metres per second.				
	Bornholm	1011.1	61	W	3	m	1011.9	+1	59	+2	W	3	W	o	1	-	63	57					
	IBERIA, &c.	The Helder	1013.2	63	SW	4	bc	1011.4	o	61	o	SW	2	SW	c	1	-	64	61	Less than 1			
		C. Gris Nez	1015.5	59	SW	5	b	1012.7	+1	59	o	WSW	5	+	o	5	-	64	57				
La Hève		1017.6	61	W	4	b	1015.9	+	57	o	SW	5	+	c	2	8	66	55	1-3				
Brest (St. Mathieu)		1019.5	63	WSW	4	bc	1015.4	-1	61	o	WSW	4	+	bc	2	6	66	57					
Rochefort (Ile d'Aix)		1021.1	64	NW	3	o	1019.2	o	64	o	WSW	4	+	o	2	5	72	59	4-7				
Biarritz		1021.4	70	NNW	3	c	1021.1	o	63	-3	SSE	2	+	c	2	4	73	61					
Paris		1018.2	70	SW	2	bc	1016.8	-1	61	+2	SSW	2	-	b	2	1	75	54	8-12				
Belfort		1017.8	68	NW	4	bc	1019.1	+	57	-4	-	o	+	c	2	3	75	52					
Lyons		1018.7	70	NNE	2	b	1018.6	+	63	+2	-	o	+	b	2	11	77	54	18-18				
Nice		1011.8	73	SW	1	b	1011.4	+1	72	o	-	o	+	b	2	13	66	61					
MEDITERRANEAN.	Perpignan	1017.6	75	NW	2	o	1019.0	+1	72	o	N	2	-	b	2	12	87	63	19-24				
	Sanguinaire	1017.6	75	NW	2	o	1019.0	+	72	o	N	2	-	b	2	12	87	63					
	Corunna	1024.3	68	N	1	b	1025.4	+2	64	+3	?NW	2	-	c	2	1	68	59	25-31				
	Madrid	1012.2	88	-	o	b	1018.8	+3	72	o	-	o	-	b	2	-	91	63					
	Lisbon	1019.8	75	NNE	5	b	1023.0	+1	66	o	NNE	4	-	b	5	-	79	64	32-38				
	Azores (Horta)	1022.8	+	S	4	b	1025.2	-1	70	+2	S	3	+	o	2	-	77	68					
	" (P. Delgada)	1023.9	+	S	3	o	1026.0	+1	70	+2	-	o	+	c	2	-	73	68	39-46				
	Madeira	1021.2	75	NE	3	c	1023.4	+1	66	-4	NE	3	-	b	2	-	77	66					
	Gibraltar	1016.6	73	NW	2	b	1017.6	+	77	+5	SW	2	+	bc	2	-	86	64	47-54				
	Palma	1016.6	73	NW	2	b	1017.6	+	77	+5	SW	2	+	bc	2	-	86	64					
MEDITERRANEAN.	Algiers	1014.8	79	NNE	2	bc	1016.0	+2	75	-2	W	1	-	o	o	-	86	72	55-63				
	Malta	+	+	+	+	1014.2	+2	82	+3	-	o	-	b	2	-	86	75						
	Salonica	1011.6	85	NW	1	b	1014.4	+1	78	-3	NNW	1	-	b	2	-	99	71	64-75				
	Athens	1012.2	79	-	o	b	1012.3	o	81	o	-	o	SE	b	2	-	86	77					
	Candia	1012.2	79	-	o	b	1012.3	o	81	o	-	o	SE	b	2	-	86	77	76-87				
	Limassol	+	+	+	+	1006.0	+2	82	+1	-	o	-	b	o	-	91	70						
	Alexandria	1009.6	77	-	o	b	1009.6	+1	81	o	NW	2	-	b	1	-	91	75	88-99				
	Cairo (Helwan)	1007.8	90	N	3	b	1009.6	+1	77	-4	N	1	-	b	+	-	99	72					
	Jerusalem	+	77	WNW	4	b	+	+	72	-5	NNW	1	-	b	+	-	88	61					



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,701

SATURDAY, 27<sup>th</sup> JULY, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF Friday, 26<sup>th</sup> JULY.

STATIONS.		EVENING OF... 25th...					MORNING OF... 26th...										MORNING OF... 26th...																			
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.														
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.													
		° F.							° F.	° F.				° F.	° F.			° F.	° F.																	
RUSSIA.	Archangel ...													*	*		Isafjord ...	1019.2	50	0	-	0	b													
	Petrograd ...													*	*		Reykjavik ...	1018.2	52	+4	-	0	b													
	Moscow ...													*	*		Vestmanna ...	1016.6	48	-2	E	1	c													
SWEDEN.	Hernösand ...	1009.8	61	NNE	6	0		*						*	*	*	Seydisfjord ...	1016.3	50	+5	NE	2	c													
	Stockholm ...	1005.6	61	N	4	0		*						*	*	*	Thorshavn ...	1013.8	53	0	-	0	f													
	Wisby ...	1005.8	63	W	2	0		*						*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.																			
ITALY.	Venice ...						1011.8	*	70	-7	N	3	clr	-	86	70	27th and 28th JULY, 1918.																			
	Turin ...	1011.1	77	NE	4	b	1011.0	*	73	+10	-	0	b	-	86	62	Sunrise. Noon. Sunset.																			
	Pesaro ...						1010.5	*	84	0	-	0	b	-	90	70	G.M.T. G.M.T. G.M.T.																			
	Leghorn ...	1013.3	77	N	0	b	1012.2	*	79	-2	-	0	b	-	84	70	Yarmouth ...	{	4.5	11.59	7.52															
	Rome ...	1014.7	77	S	1	b	1013.5	*	81	+4	SW	1	b	-	90	72						Greenwich ...	{	4.17	12.6	7.55										
	Vieste ...	1013.5	84	NE	1	b	1012.7	*	84	+12	-	0	b	-	84	70											Wick ...	{	3.53	12.18	8.43					
	Brindisi ...	1013.3	79	NW	1	b	1013.0	*	82	+3	NW	1	b	-	84	72																Valencia ...	{	4.56	12.47	8.39
	Cagliari ...						1014.3	*	72	-5	NW	3	b	-	91	68																				
	Palermo ...						1014.3	*	82	0	-	0	b	-	97	68																				
	Tripoli ...						1016.9	*	77	0	SSW	1	c	-	99	63																				

LONDON 27 <sup>TH</sup> JULY, 9h. G.M.T.			HUMIDITY.		Sun- shine for Hours.	24 HOURS ENDED 9h. .... 27 <sup>th</sup> M...						
			13 h.	9 h.		TEMPERATURE.			Rain- fall.	WEATHER.		
			26 <sup>th</sup>	27 <sup>th</sup>		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
			%	%		° F.	° F.	° F.	mm.			
GREENWICH (Royal Observatory) .. ..			94	79	4.0	66	53	45	12	0	cp. 0	otr. ad. c
CITY (Bunhill Row) .. .. .			*	*		*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) .. ..			94	82		63	53	51	12	or	o. tr. bc	otr. bc
" (Roof near Charing Cross) .. ..			86	72	3.1	63	54	*	11	o. c	op. c	thor
CAMDEN SQ. (British Rainfall) .. .. .			85	73	1.1	61	52	50	15	0	or	*
KENSINGTON PALACE .. .. .			93	80	2.3	63	54	50	10	op. cp	otr. c	*
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.												

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

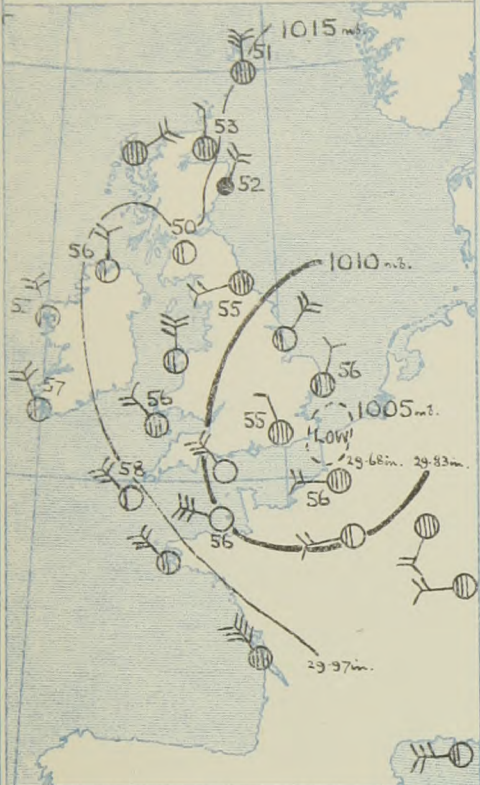
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during ... 26 <sup>th</sup> :		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
930	16.5	61.5

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 Meteorological Office.



27<sup>th</sup> JULY, at 1h. G.M.T.

THE MORNING OF SATURDAY, 27<sup>th</sup>, JULY 1918, at 7h. G.M.T.



# EXPLANATION.

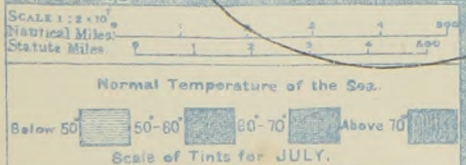
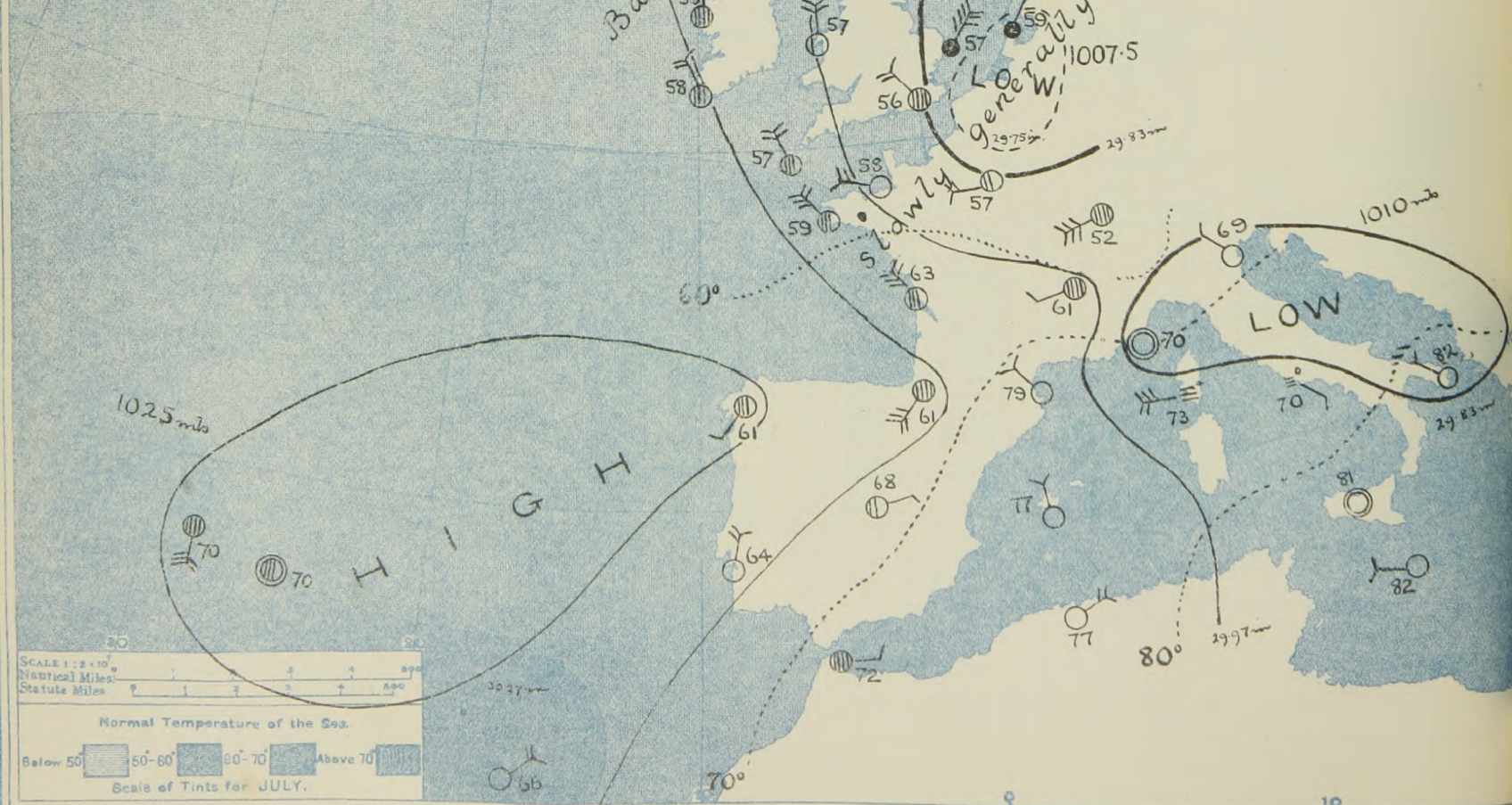
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

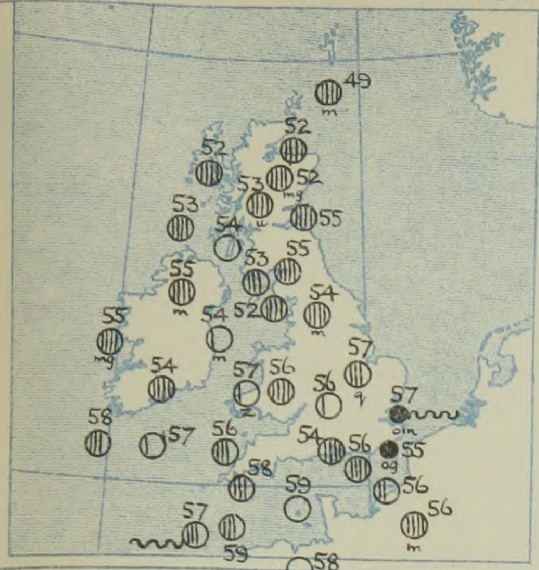
TEMPERATURE.—Given in degrees Fahrenheit.  
Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—  
○ clear sky. ○ sky & clouded. ○ sky & clouded.  
☁ sky & clouded. ☁ overcast sky. ● rain falling.  
✕ snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.  
⚡, thunderstorm.

SEA DISTURBANCE.—Rough. High.







GALES.

Notes on the Weather of the 24 hours ended 7h to-day

Maximum temperatures were all between 60 and 68° except in the extreme north of Scotland. Rain was heaviest in the south and east of England, 17 mm at Spurn Head, 14 mm at South Farnborough, and 11 mm at Salisbury Plain and Hartland Quay. Thunderstorms occurred over these regions and in the south of Scotland. Sunshine records were not very good except in the Hebrides (12½ hours) and at Malin Head (11 hours).

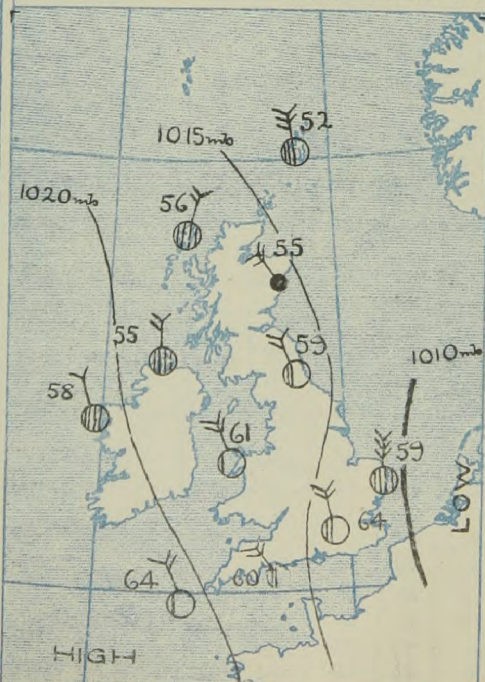
The Conditions at 7h to-day

The depression that was over the north of Ireland yesterday has moved down towards Belgium and has its centre near Flushing. The barometer is rising generally over the United Kingdom, but is inclined to fall in Holland. The wind has shifted to NW or N generally, and is moderate in force except between Yarmouth and Spurn Head, and at Lerwick, where it is strong. Rain is falling in East Anglia. Elsewhere the weather is mainly dull, but has become fine at a few stations. The temperature is slightly lower than of late.

The Outlook

Moderate to fresh NW or northerly breezes are probable in all districts. The weather will be fair generally and rather cool, but showers may be expected on the East Coast of England. Thunderstorms are not anticipated.

SATURDAY, 27<sup>th</sup>, JULY, 1918, at 13h. (1p.m.) G.M.T.



The barometer is still rising generally over the British Isles, and the depression is passing away eastwards. Rain is falling at Clacton and South Farnborough. The wind shows little change since the morning.



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 208.

Saturday,  
27<sup>th</sup> JULY

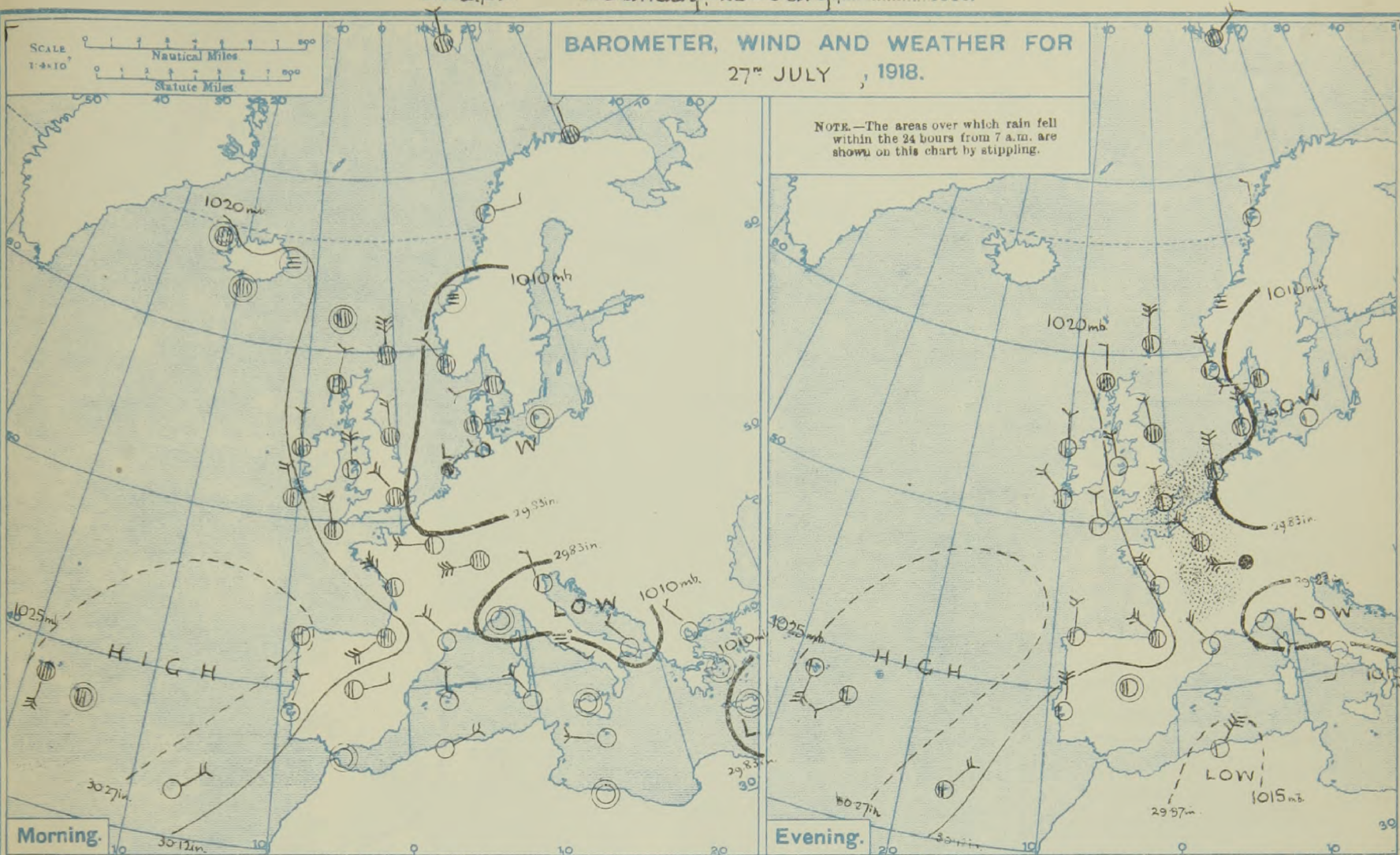
STATIONS.		EVENING OF.....26th.....					MORNING OF.....27th.....										24 HOURS ENDED 7 h.....27th.....					Sun- shine for 26th Hours.
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper 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	1013.4	54	N	3	bcm	1014.4	0	49	-2	N	6	-	om	4	Trace	54	48	cm	cm	om	
	Deerness (Orkney)	1013.2	54	NE	3	o	1014.9	*	52	-2	NW	4	-	o	3	1	57	51	f. om	o	op o	0.7
	Stornoway	1013.9	58	NE	5	bq	1017.9	+1	52	-3	NNE	2	-	o	2	-	62	51	b	bq	o2	12.6
	Castlebay (Barra Isd.)	1012.6	64	N	2	b	1018.0	+3	53	-4	NW	4	-	o	3	-	65	52	c. b	b	b. o	12.2
	Glasgow	1010.2	62	ENE	3	b2	1016.2	+2	53	+1	W	1	NW	c	*	0.4	66	48	op. c. bc	bc. b2	bc. op	8.1
	Eskdalemuir	1008.9	59	ENE	4	bcy	1015.8	+4	52	0	NE	3	-	o	2	61	47	o. c. clr	om. op. c2	bc. b2	om	5.9
	Malin Head	1011.5	59	N	4	bcq	1016.9	+2	55	+1	NNW	3	-	om	3	-	60	53	bc	bcq	om	11.0
	Blacksod Point	1015.1	58	NNW	4	bcm	1019.1	+2	55	-1	N	2	-	omg	2	Trace	60	53	bcp	bcm	cg. omg	*
	Valencia (Cahiriveen)	1015.9	55	NNW	5	c	1020.5	+1	58	+1	NNW	3	N	c	3	0.1	62	56	cp	c	bc. c2	7.2
	Roche's Point	1011.6	60	NW	4	o	1018.9	*	57	0	NNW	2	NW	b	2	0.4	63	44	cp. c2	cp. o	c. b	*
	Birr Castle	1011.6	62	NW	2	c	1018.6	*	54	-1	WNW	1	-	o	*	1	63	41	o. cp	cp	c. o	5.7
	Donaghadee	1007.4	58	N	5	bcmq	1015.2	+3	54	0	WNW	2	-	bm	1	5	61	53	omp. bc	bcm	cmg. om	*
	Liverpool (Bidston)	1006.4	58	NNW	2	o	1014.3	+3	56	+4	N	1	NE	o	1	1	62	52	op. bc	c. op	c. o	3.1
	Holyhead	1008.3	59	N	4	b2	1015.0	+2	57	+2	N	4	-	b2	3	0.1	63	54	cp. bc	bc. b2	b2	8.3
	Pembroke (St. Ann's)	1008.1	58	NNW	4	bc	1016.6	+5	56	0	NW	3	NW	c	3	0.1	60	53	cg	cg. c2	bc. b2	7.2
	Hartland Quay	1008.1	61	WNW	6	c	1015.7	+3	58	-1	NNW	5	-	c	5	11	61	57	org. c. o	op. c2	b. bc	*
	Scilly (St. Mary's)	1011.7	60	NW	6	bcq	1018.3	+3	57	0	NNW	4	NW	c	5	1	63	55	cpq	bcq	bc	7.1
	Falmouth	1009.9	61	WNW	6	bq	1016.5	+2	59	+2	NNW	4	-	c	*	2	64	54	cpq	cg. bcq	bc. c	7.6
	Jersey (St. Aubin)	1010.8	60	W	5	c	1014.2	*	58	-1	WNW	3	-	b	2	1	64	55	o. b	b. op. b	c. b	4.3
	Portland Bill	1007.0	60	W	6	c	1012.3	+3	59	+1	WNW	5	-	b	4	2	61	56	cp	bc. cp	b	*
	Dungeness	1005.5	59	SW	5	cq	1006.8	+2	56	-3	WNW	4	W	bcq	4	2	65	50	c. bc	cpq. c	cpq. c	*
NORTHERN EUROPE.	Wick	1013.3	54	NNE	2	om	1015.3	0	52	-1	NNW	2	-	omg	2	3	55	51	fe. om	om	omp	*
	Nairn	1012.2	57	E	2	omu	1015.6	*	53	-4	-	0	-	ou	0	1	61	52	bc. om	cm. o	ou. p	7.3
	Aberdeen	1011.5	55	NE	3	om	1015.0	+1	55	+4	NW	3	-	o	2	-	62	51	bc. om	cm. om	om	2.3
	Leith	1009.7	61	ENE	2	b	1014.9	+1	55	-1	NE	1	-	o	1	-	62	55	c. bc. b	b	bc. ag. o	*
	Tynemouth	1007.7	59	S	1	bcm	1013.3	+2	54	0	N	3	-	om	3	5	61	52	bcm	bcm	om. om	*
	Spurn Head	1006.2	58	SE	2	bcp	1010.5	+1	57	+2	N	5	-	cg	4	17	62	53	cp	bcp	bc	0.5
	Yarmouth (Gorleston)	1007.4	57	SW	2	omr	1008.0	+2	57	+1	NE	7	-	omr	6	6	68	55	c. bcp	omr	clomr	2.4
	Clacton-on-Sea	1005.3	59	SSW	4	c	1007.1	+2	55	-4	NNW	3	-	org	2	5	65	51	o. c. clr	cpq	bc. agr	3.1
	Nottingham	1005.2	56	E	2	c	1011.3	*	56	0	N	2	N	b	*	1	65	52	op. c	c. o. clp	c. o	2.2
	Benson (Oxon.)	1003.5	56	WSW	1	r	1010.8	+4	54	-2	NW	3	-	o	*	5	62	49	od	clr	or	*
FRANCE, &c.	Sth Farnborough	1005.5	57	SW	2	o	1010.8	+3	55	-2	WNW	3	-	o	*	14	64	48	o. omr	r. op. h. o	o. b. o	2.0
	Salisbury Plain	1006.0	57	W	4	r	1012.4	+4	54	-1	NW	3	-	o	*	11	62	48	or	or. op. c	cp. b. p	*
	London (Kew Obsy.)	1005.1	61	WNW	1	c	1010.3	+3	56	-2	NW	3	-	o	*	9	64	53	op. cor	op. clr. c	bc. b2	2.0
	Spitsbergen												*	*								
	Vardö												*	*								
	Bodö	1011.5	66	E	1	b	1010.8	0	66	-2	E	1	-	b	1	-	70	57				
	Christiansund	1009.9	61	NE	2	bc	1009.6	0	59	0	-	0	-	f	2	-	63	54				
	Skudesnaes	1008.0	59	NNW	2	c	1007.9	0	57	-2	NNW	2	-	o	2	-	63	54				
	Færder (X'tania Fjord)	1008.7	61	SW	2	o	1007.1	+1	61	0	NNE	1	-	o	1	-	64	61				
	The Scaw (Skagen)	1008.0	61	W	2	b	1007.6	0	59	-2	WSW	2	W	c	2	-	64	50				
IBERIA, &c.	Blaavands Huk	1009.8	63	W	1	bc	1009.2	+1	61	0	E	1	S	c	*	-	66	50				
	Copenhagen	1010.3	61	-	0	c	1009.5	0	61	+2	-	0	-	bc	*	1	68	55				
	Bornholm	1010.7	61	WSW	2	b	1009.8	-1	54	-5	-	0	-	b	0	-	63	55				
	The Helder	1009.2	61	SW	3	bc	1006.9	0	59	-2	NE	1	-	r	1	11	63	54				
	C. Gris Nez	1007.0	57	SW	7	r	1007.4	+1	55	-4	WNW	4	*	o	4	3	64	55				
	La Hève	1010.8	61	WSW	5	r	1011.2	*	59	+2	NW	4	*	c		8	66	55				
	Brest (St. Mathieu)	1014.8	59	WNW	5	r	1018.6	+2	59	-2	NW	5	*	c		6	63	55				
	Rochefort (Ile d'Aix)	1017.1	64	NW	7	o	1017.5	+3	63	-1	NW	5	*	c	*	5	73	50				
	Biarritz	1021.6	66	WNW	4	o	1021.4	-1	61	-2	SW	5	*	o		4	73	61				
	Paris	1011.5	61	SSW	3	c	1010.4	0	57	-4	W	3	-	bc	*	1	72	54				
MEDITERRANEAN.	Belfort	1013.0	68	W	3	b	1014.3	*	52	-5	WSW	6	*	o	*	3	75	52				
	Lyons	1013.8	73	NNE	1	b	1016.2	*	61	-2	WSW	1	*	o	*	11	81	55				
	Nice	1007.0	75	E	1	b	1008.0	-1	70	-2	-	0	*	b	*	13	84	61				
	Perpignan	1015.5	79	NW	2	b	1018.6	+1	68	-4	NW	3	-	b	*	12	84	63				
	Sanguinaire	1013.8	75	NW	3	b	1012.8	*	73		W	5	*	m		27	88	61				
	Corunna	1025.6	66	NW	2	b	1025.5	+1	61	-3	SW	1	-	c	2	*	68	55				
	Madrid																					
	Lisbon	1006.7	73	NNW	5	bc	1020.7	0	64	+2	NNE	3	-	bc	5	-	81	63				
	Azores (Horta)		*				1025.9	0	70	0	S	5	*	o	6	2	77	70				
	" (P. Delgada)	1026.3	*	SW	2	b	1027.0	0	70	0	-	0	*	c	2	-	77	72				
	Madeira	1022.3	73	NE	3	b	1023.6	+1	66	0	NE	3	-	c	3	-	75	66				
	Gibraltar	1015.6	73	NW	3	b	1016.2	*	72	-5	E	1	*	o	2	-	85	65				
	Palma																					



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20702

Sunday, 28<sup>th</sup> July, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF SATURDAY 27<sup>th</sup> JULY.

STATIONS.		EVENING OF 26 <sup>TH</sup>					MORNING OF 27 <sup>TH</sup>										MORNING OF 27 <sup>TH</sup>							
		BAROM. Milli- bars at M.S.L.	TEMP.  ° F.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dirac.		Force 0-12.	
RUSSIA.	Archangel ...																							
	Petrograd ...																							
	Moscow ...																							
SWEDEN.	Hernösand ...																							
	Stockholm ...																							
	Wisby ...																							
ITALY.	Venice ...					1007.1	*	72	+2	NNW	1	b	7	72	61	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM								
	Turin ...	1009.3	75	NE	4	1008.9	*	68	-5	-	0	b	3	81	61									
	Pesaro ...						*																	
	Leghorn ...					1009.4	*	?		W	2	?	-	82	72									
	Rome ...	1012.2	75	S	1	1010.9	*	70	-11	SE	1	m	-	86	70									
	Viesti ...					1009.5	*	79	-5	-	0	b	-	84	73									
	Brindisi ...	1011.0	82	WSW	1	1009.1	*	82	0	NW	1	b	-	90	73									
	Cagliari ...					1014.5	*	75	+3	NW	3	b	-	91	73									
	Palermo ...	1012.5	82	NE	1	1012.6	*	81	-1	-	0	b	-	93	66									
	Tripoli ...					1015.9	*	86	+9	-	0	b	-	99	69									
															28 <sup>TH</sup> AND 29 <sup>TH</sup> APRIL 1918.							Sunrise.	Noon.	Sunset.
																						G.M.T.	G.M.T.	G.M.T.
															Yarmouth ...							4.6	11.59	7.50
															Greenwich ...							4.18	12.6	7.54
															Wick ...							3.55	12.18	8.41
															Valencia ...							4.57	12.47	8.38

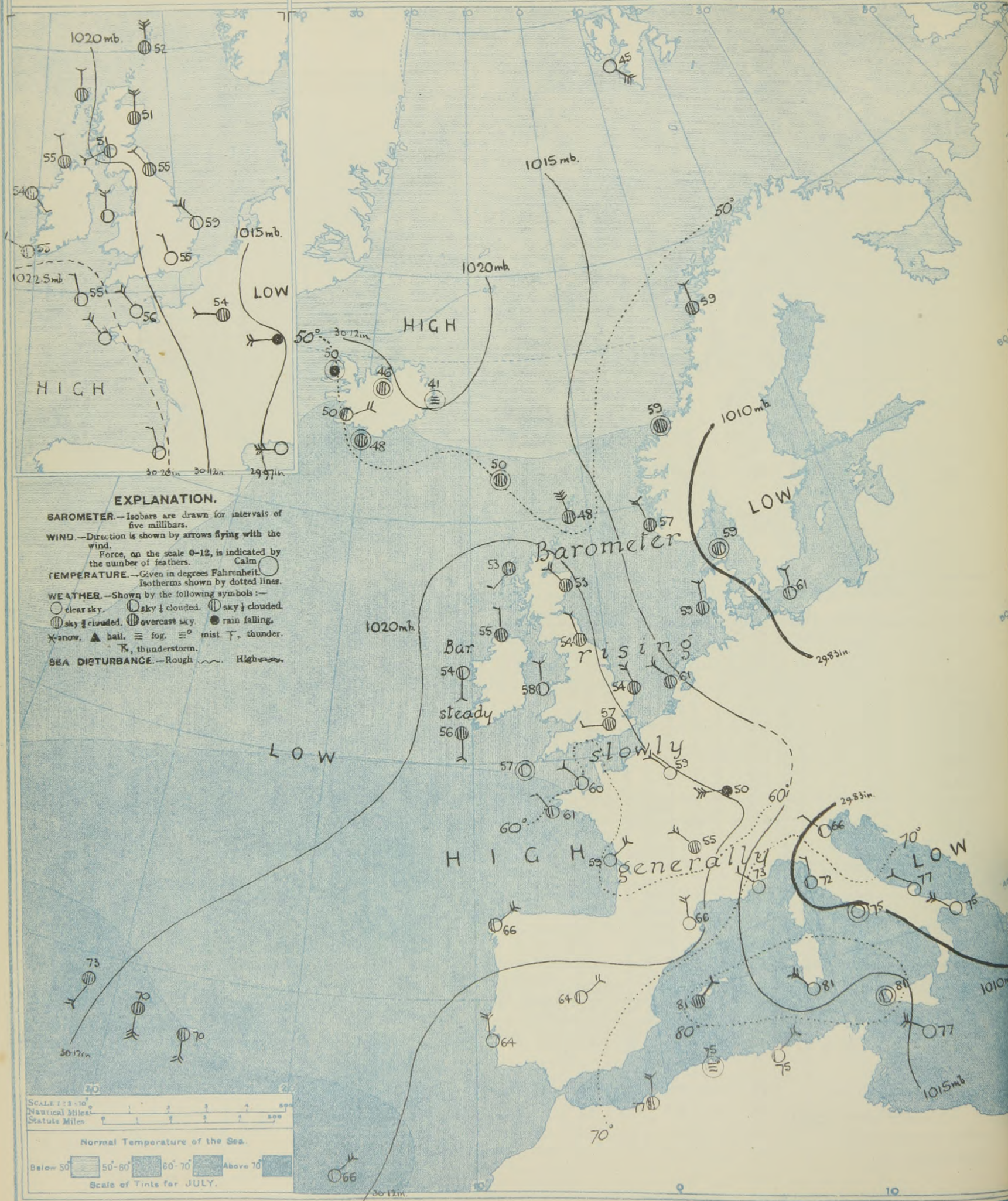
LONDON	HUMIDITY.		Sun- shine for	24 HOURS ENDED 9 h. 28 <sup>TH</sup> .....						
	15 h.	9 h.		TEMPERATURE.			Rain- fall.	WEATHER.		
	27 <sup>TH</sup>	28 <sup>TH</sup>		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
.. 28 <sup>TH</sup> JULY .. 9h. G.M.T.	27 <sup>TH</sup>	28 <sup>TH</sup>	27 <sup>TH</sup>							
	%	%	Hours.	°F.	°F.	°F.	mm.	°		
GREENWICH (Royal Observatory) ..	64	74	3.0	57	47	38	1	c.o.	of.	b.c.own.
CITY (Bunhill Row) .. .. .	*	*	2.8	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) .. ..	88	83	3.2	64	49	48	2	*	*	*
.. .. (Roof near Charing Cross)	76	73	3.0	64	52	*	2	cq	of.c.	*
CAMDEN SQ. (British Rainfall) .. .. .	79	71	4.7	67	48	47	1	bc	st.o.	*
KENSINGTON PALACE .. .. .	90	80	3.5	66	49	42	1	o	of.	*
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.										
SOUTH KENSINGTON (M.O.)										
Vertical Component of Solar Radiation per square Centimetre during 27 <sup>TH</sup> ...										
Total.		Average Rate.		Max. Rate.						
Joules. 1150		Milliwatts. 20.4		Milliwatts. 76.5						
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 rd. at Meteorological Office.										



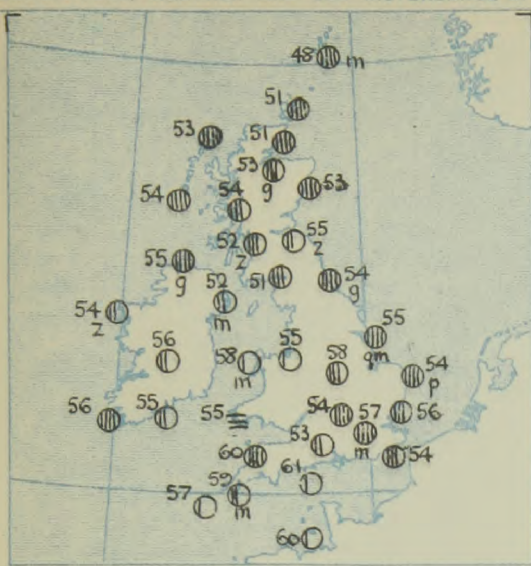
28<sup>th</sup>, JULY, at 1h. G.M.T.

THE MORNING OF Sunday, 28<sup>th</sup>

JULY 1918, at 7h. G.M.T.







GALES.

Notes on the weather of the 24 hours ended 7h Today.

No high temperatures were recorded. The warmest district was the south of Ireland, with a maximum of 60° at Roshe Point. At Larnough there was a fall of 6 mm of rain, and 4mm at Clontarf. Thunderstorms occurred at London, Burnborough and Portland Bill. Sunshine amounted to more than 12 hours at Jersey, Holyhead and Scilly, and to between 8 and 9 hours at Valencia, Signe Castle, Nottingham and Pembroke.

The Conditions at 7h Today.

The depression that was near Flushing yesterday is probably now over the south of Germany or Switzerland. The barometrical still rising slowly over England and Scotland but is steady in the west of Ireland.

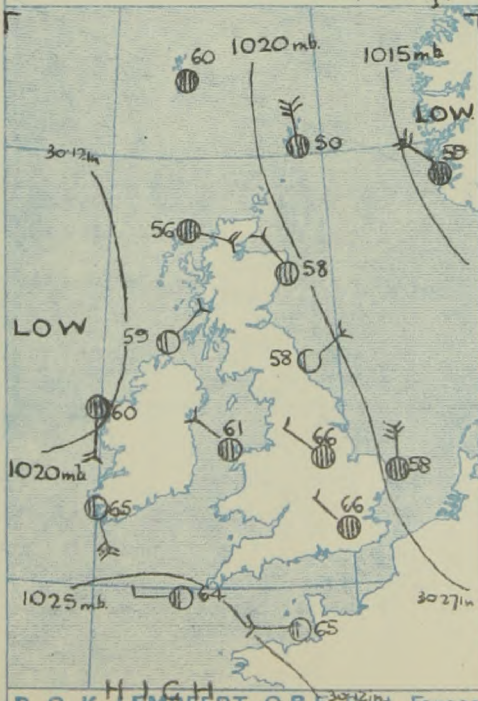
There is a moderate NW wind over the eastern half of the United Kingdom, and further west light variable breezes becoming southerly in Ireland.

The weather is dull generally, with a tendency to mist: fair to fine weather at several stations in England and Ireland. Fog is reported at Pembroke.

The temperature is 60° over the western half of the Channel, but down to 50° in the north of Scotland.

Now it will be seen from the 12h barometer below that in the course of the day a ridge of relatively high pressure, barometer above 1020mb, extended northward across the British Isles. This was accompanied by a decided improvement in the weather conditions over the country generally. On the extreme western coasts, however, a southerly breeze was spreading in with the weather becoming somewhat less settled again, showers occurring in places. Indications of the existence of a new depression at a considerable distance out over the Atlantic.

Sunday, 28<sup>th</sup> JULY, 1918, at 13h. (1p.m.) G.M.T.



R. G. K. LEMPFR, C.B.E., Supt., Forecast Divn.

H.G. LYONS, Lieut. Col., Director.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No 2099

SUNDAY  
28<sup>th</sup> JULY

STATIONS.	EVENING OF 27 <sup>TH</sup>					MORNING OF 28 <sup>TH</sup>										24 HOURS ENDED 7 h 28 <sup>TH</sup>					Sun- shine for 27 <sup>TH</sup> Hours.	
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	1014.5	50	N	5	c	1017.0	+1	48	-1	NNW	6	-	om	4	-	54	48	c	c	om	*
	Deerness (Orkney) ...	1016.9	52	NW	5	o	1020.0	*	51	-1	WNW	3	-	o	2	-	55	49	o	o	o	0.0
	Stornoway ...	1019.7	56	N	1	o	1021.2	+1	53	+1	SW	1	-	o	0	-	58	52	o	o	o	0.1
	Castlebay (Barrisd.) ...	1020.1	58	WNW	3	c	1021.6	o	54	+1	ESE	1	-	o	1	-	59	53	o.c.	o.c.	c.o.	4.2
	Glasgow ...	1017.8	60	-	0	og	1021.0	+1	52	-1	SW	1	NW	c2	*	-	63	49	c.b.c.	o.c.og	o.b.bz	3.1
	Eskdalemuir ...	1017.6	56	N	2	o	1021.2	+2	51	-1	-	0	SW	c	*	-	60	39	o.oz	og2.oz	oz.bw	1.6
	Malin Head ...	1020.1	55	NNW	3	om	1022.2	o	55	0	N	1	-	og	2	-	56	53	om	om	og	0.2
	Blackrod Point ...	1021.6	56	NNW	2	bcm	1021.2	o	54	-1	S	2	-	b02	2	-	60	52	omg	omg	omg	*
	Valencia (Cahirciveen) ...	1021.7	61	NW	3	bc	1022.0	o	56	-2	S	3	S	o	2	-	64	51	c	c.b.	bc.c.	8.4
	Roche's Point ...	1020.4	64	W	1	c	1022.3	*	55	-2	N	1	NW	bc	1	0.4	69	53	b.b.c.	b.b.c.	c.b.bm	*
	Birr Castle ...	1019.5	66	W	1	c	1022.0	*	56	+2	SW	1	W	bc	*	-	68	50	o.c	o.c	bc	8.1
	Donaghadee ...	1019.0	57	NNE	4	bmg	1021.3	+3	52	-2	W	2	W	bcm	1	-	62	48	bcm	bcm	bcm	*
	Liverpool (Bidston) ...	1018.1	60	WNW	3	b	1021.7	+2	55	-1	WNW	3	-	b	2	-	63	54	o.b.c.	bc.b	o.b.c.	10.7
	Holyhead ...	1018.5	62	NNW	3	b2	1022.1	+1	58	+1	N	1	-	b1m	1	-	65	53	b2	b2	b.b.bz	12.4
	Pembroke (St. Ann's) ...	1019.9	59	W	3	b	1022.1	+1	55	-1	N	1	-	g	1	0.1	62	50	bc.c.	bc.c.b	b.b.gw	8.2
	Hartland Quay ...	1020.2	60	NW	3	b2	1023.1	+1	60	+2	S	2	NW	o	3	-	61	57	b2	b2	b2	*
	Scilly (St. Mary's) ...	1022.2	62	NNW	2	b	1023.9	+1	57	0	-	0	-	b	2	0.1	65	53	cb.	b	bw	12.1
	Falmouth ...	1020.6	60	NW	4	b2	1023.7	+1	59	0	NW	1	-	bcm	*	-	65	52	c.b.g.	bg.b.g.	b.b.c.	11.3
	Jersey (St. Aubin) ...	1018.4	63	W	4	b	1022.8	*	60	+2	NW	2	NW	b	2	-	66	56	b.b.c.b	b	bc.o.b	12.7
	Portland Bill ...	1017.1	62	NW	4	bc	1021.9	+2	61	+2	NNW	1	-	b	3	2	66	56	b.b.c.	cl.b.c.	b.b.c.	*
	Dungeness ...	1014.4	58	NNW	3	ch	1020.3	+2	54	-2	NW	2	NW	c	2	3	63	47	c.g.	ch	op.b.c.	*
NORTHERN EUROPE.	Wick ...	1017.8	53	NNW	4	o	1020.5	+2	51	-1	NNW	3	-	o	2	0.1	55	50	omg	omg	omg	*
	Nairn ...	1017.9	60	E	1	bc	1020.8	*	53	0	-	0	-	cg	1	-	60	50	o.c.g.	gc.b.c.	bc.c.o	3.4
	Aberdeen ...	1016.7	57	NW	4	c	1020.5	+2	53	-2	NW	3	-	o	2	2	59	52	o.c.	o.c.	c.o	2.0
	Leith ...	1016.6	61	E	1	c	1020.1	+1	55	0	SW	1	-	b02	1	-	64	50	o.c.b.c.	c.o.g.	c.b.c.	*
	Tynemouth ...	1016.6	57	NNW	2	og	1020.3	+2	54	0	NNW	2	-	og	3	1	62	52	bcg	omg	omg	*
	Spurn Head ...	1015.6	59	N	4	bg.v	1019.7	+1	55	-2	NNW	4	-	ogm	4	-	60	54	cg	bcg	bc.og	6.3
	Yarmouth (Gorleston) ...	1013.2	60	NNE	5	bcg	1017.7	+2	54	-3	NNW	3	-	ch	3	6	63	51	omr	o.b.c.	b.c.p	4.3
	Clacton-on-Sea ...	1014.5	62	NNW	3	bc	1020.0	+2	56	+1	WNW	2	NE	c	1	4	64	49	ogr	ogr.b.c.	bc.c.	3.1
	Nottingham ...	1016.3	62	N	2	bc	1020.3	*	58	+2	W	1	N	cm	*	-	64	54	bc.c.	bc.c.	c.o	8.6
	Benson (Oxon.) ...	1016.4	63	N	1	b	1021.0	+1	54	0	N	1	-	o	*	1	64	45	o.b.c.	bc	o	*
FRANCE, &c.	St. Farnborough ...	1016.4	62	WNW	2	c	1021.4	+2	54	-1	WNW	2	-	ow	*	2	66	46	opt.c2	th.b.c.	om.b.c.	4.3
	Salisbury Plain ...	1017.5	59	-	0	o	1022.2	o	53	-1	W	2	NW	bc	*	-	65	44	bc	c.o.b.c.	om.b.c.	8.4
	London (Kew Obs.) ...	1016.3	62	NNW	2	bc	1021.4	+3	57	+1	W	1	-	om	*	0.2	66	49	o.c.b.c.	bc.c.b.c.	bc.bm	4.7
	Spitsbergen ...	1014.0	45	S	4	o	1010.8	-2	45	+2	SE	5	*	b	*	*	45	41				
	Vardö ...																					
	Bodö ...	1010.4	64	N	1	b	1012.2	o	59	-7	N	2	-	c	2	-	66	54				
	Christiansund ...	1011.0	59	-	0	f	1013.8	o	59	0	-	0	-	o	2	-	61	54				
	Skudesnaes ...	1011.2	59	NNW	3	b	1012.2	+3	57	0	NNW	3	-	o	2	-	63	57				
	Færder (X'ania Fjord) ...	1008.0	64	SW	1	bc	1009.9	+1	63	+2	N	1	N	c	1	-	64	61				
	The Scaw (Skagen) ...	1008.0	61	W	2	c	1009.4	+1	59	0	-	0	-	c	0	-	64	54				
IBERIA, &c.	Blaavands Huk ...	1011.1	63	N	3	c	1013.9	+2	59	-2	N	2	-	c	*	-	64	55				
	Copenhagen ...	1008.7	64	NNE	2	b	1010.7	+1	63	+2	N	3	-	c	*	-	66	55				
	Bornholm ...	1009.0	64	-	0	b	1009.6	+1	61	+7	N	2	NE	bc	0	-	64	57				
	The Helder ...	1010.0	61	N	5	c	1015.4	+2	61	+2	NW	3	-	c	2	1	63	57				
	C. Gris Nez ...	1014.4	59	N	3	bc	1021.0	+1	54	-1	W	2	*	o	2	2	63	54				
	La Hève ...	1017.0	57	N	5	o	1024.4	*	59	0	-	0	*	m	1	-	64	55				
	Brest (St. Mathieu) ...	1022.2	61	NW	4	b	1024.7	+1	61	+2	NNW	1	*	bc	?	-	86	59				
	Rochefort (Ile d'Aix) ...	1019.2	64	NW	6	b	1023.4	+3	59	-4	NE	3	*	b	*	-	72	55				
	Biarritz ...	1021.8	66	NW	4	c							*		*	-						
	Paris ...	1014.3	61	NW	3	c	1021.8	+2	59	+2	NNW	2	-	b	*	Trace	68	54				
MEDITERRANEAN.	Belfort ...	1014.0	55	W	6	f	1019.0	*	50	-2	W	6	*	r	*	13	68	48				
	Lyons ...	1016.2	57	NW	6	bc	1022.0	*	55	-6	NW	3	*	o	*	3	72	50				
	Nice ...	1004.8	73	SE	2	b	1012.8	+4	73	+3	NW	1	*	b	?	-	86	59				
	Perpignan ...	1016.4	75	NW	3	b	1021.1	+3	66	-2	N	3	-	b	*	-	82	59				
	Sanguaire ...	1013.2	73	NW	5	bc							*		*	-						
	Corunna ...	1024.4	66	N	3	bc	1022.2	-1	66	+5	NE	4	-	bc	2	-	66	61				
	Madrid ...	1012.8	82	-	0	bc	1017.9	+1	64	-4	NE	3	SE	bc	*	-	86	63				
	Lisbon ...	1018.0	70	N	5	b	1016.7	o	64	0	NNW	4	-	b	5	-	73	63				
	Azores (Horta) ...	1026.2	*	S	6	b	1021.4	o	71	+1	S	5	*	o	3	-	75	70				
	„ (P. Delgada) ...	1026.8	*	SW	2	bc	1023.8	+2	70	0	S	4	*	c	?	-	?	?				
MEDITERRANEAN.	Madeira ...	1022.4	73	NE	3	bc	1022.7	o	66	0	NE	3	-	b	3	-	75	66				
	Gibraltar ...											*		*	-							
	Palma ...	1019.0	82	SW	4	bc	1019.4	o	81		NE	2	-	o	2	4	86	70				
	Algiers ...	1014.8	77	NE	5	b	1015.6	+2	75	-2	-	0	-	m	4	-	82	73				
	Malta ...	*	*	*	*	*	1013.8	+2	77	-5	NW	4	-	b	2	-	88	75				
	Salonica ...	1006.4	82	S																		

THE BEAUFORT SCALE OF WIND FORCE.

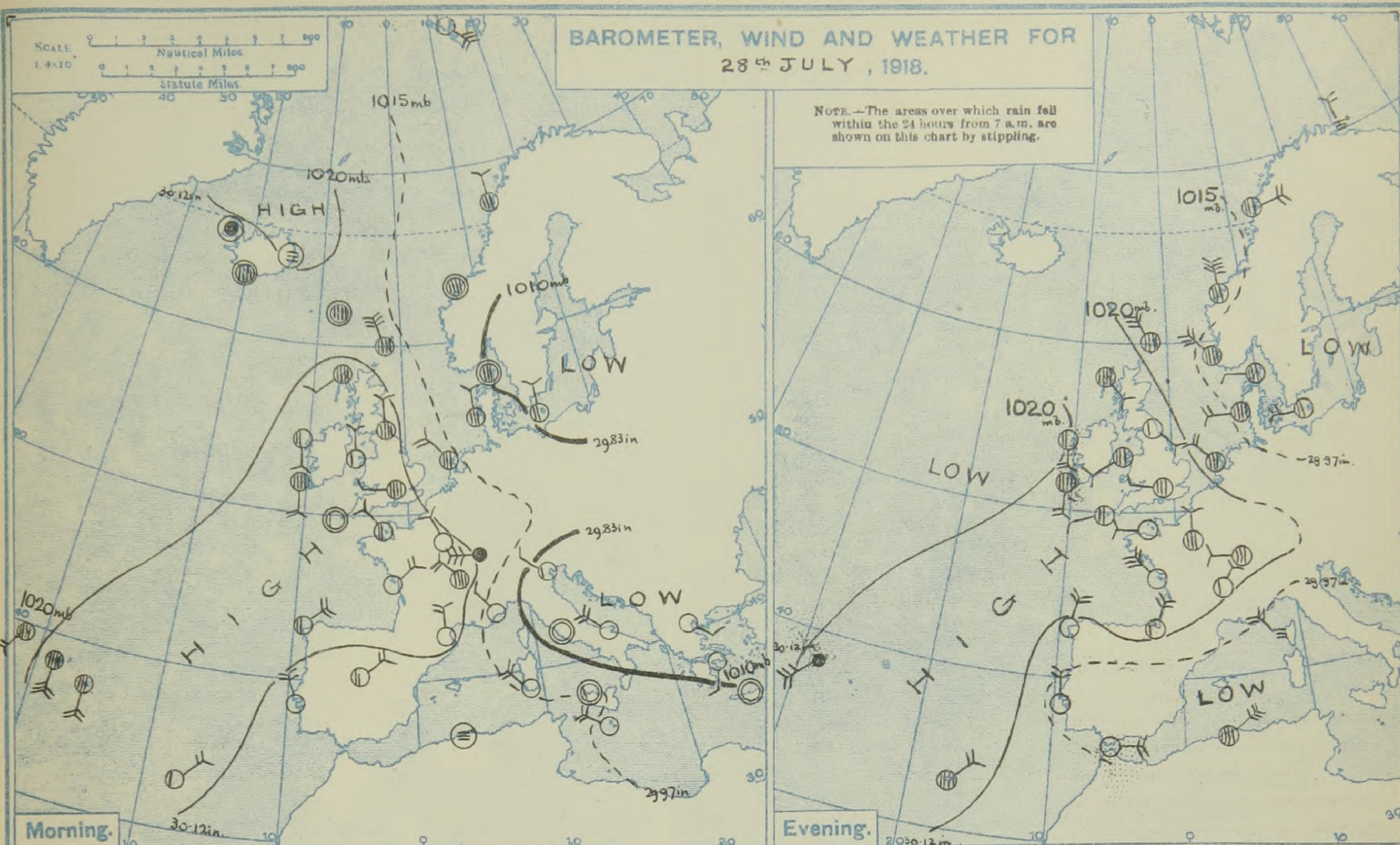
No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,703 MONDAY, 29<sup>th</sup> JULY, 1918.

## BAROMETER, WIND AND WEATHER FOR 28<sup>th</sup> JULY, 1918.



### WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 28<sup>th</sup> JULY.

STATIONS.		EVENING OF. 27 <sup>TH</sup>					MORNING OF. 28 <sup>TH</sup>										MORNING OF. 28 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.
		° F.							° F.	° F.					° F.	° F.			° F.	° F.			
RUSSIA.	Archangel ...														*	*							
	Petrograd ...														*	*							
	Moscow ...														*	*							
SWEDEN.	Hernösand ...							*						*	*	*							
	Stockholm ...							*						*	*	*							
	Wisby ...							*						*	*	*							
ITALY.	Venice ...						1009.5	*	66	-6	WNW	1	b	Trace	81	61	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Turin ...	1007.5	73	S	6	b	1010.9	*	72	+4	S	3	b	-	82	61							
	Pesaro ...						1009.5	*	64		S	1	o	Trace	86	61	29 <sup>TH</sup> AND 30 <sup>TH</sup> JULY 1918.				Sunrise.	Noon.	Sunset.
	Leghorn ...						1009.8	*	72		N	1	b	-	82	68					G.M.T.	G.M.T.	G.M.T.
	Rome ...	1010.7	73	SW	1	b	1010.2	*	75	+5	-	0	b	-	86	68					4.7	11.59	7.50
	Viesti ...	1007.5	73	S	6	b	1010.9	*	72	-7	S	3	b	-	82	61					4.8	11.59	7.49
	Brindisi ...						1015.7	*	75	-7	NW	4	b	-	89	68					4.20	12.6	7.52
	Cagliari ...						1014.3	*	81	+6	NW	4	b	-	93	66					4.21	12.6	7.51
	Palermo ...						1016.6	*	81	0	.	0	b	-	?	66					3.57	12.18	8.39
	Tripoli ...							*													3.59	12.18	8.37
								*									4.58	12.47	8.37				
								*									4.59	12.47	8.36				

LONDON	Humidity.		Sun-shine for 28 <sup>th</sup> Hours.	24 HOURS ENDED 9 h. 29 <sup>th</sup>				WEATHER.		
	15 h.	9 h.		TEMPERATURE.			Rain-fall. mm.			
	28 <sup>th</sup>	29 <sup>th</sup>		Max.	Min.	Min. on Grass.				
29 <sup>th</sup> JULY... 9h. G.M.T.	%	%		°F.	°F.	°F.		Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory) ..	58	62	1.8	71	52	43	-	o.c.	o.c.	a.c. bc
CITY (Bunhill Row) ..	*	*	1.7	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ..	73	77	1.8	70	53	49	-	*	*	*
" (Roof near Charing Cross) ..	56	65	1.8	72	56	*	-	o.c.	o.c. bc	*
CAMDEN SQ. (British Rainfall) ..	?	68	2.8	73	53	50	-	?	?	*
KENSINGTON PALACE ..	60	77	1.9	71	54	46	-	o.	a.c.	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

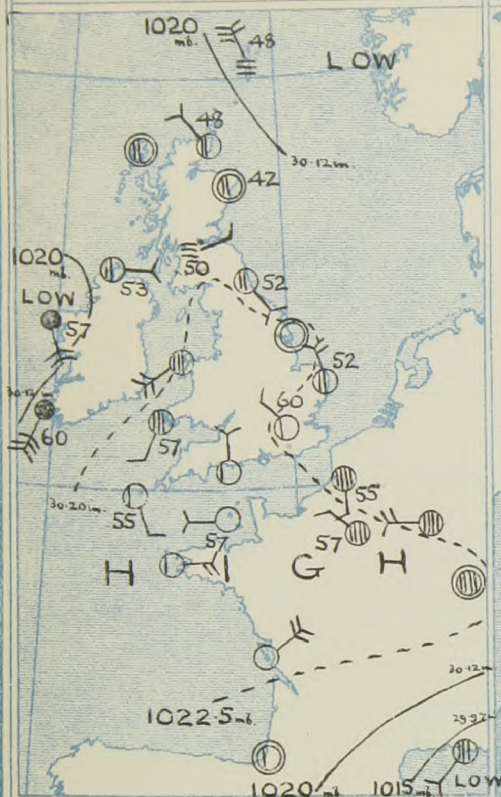
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 28 <sup>th</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1310	23.3	71

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 rd. at Meteorological Office.



29<sup>th</sup>, JULY, at 1h. G.M.T.

THE MORNING OF MONDAY, 29<sup>th</sup>, JULY 1918, at 7h. G.M.T.



#### 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:—

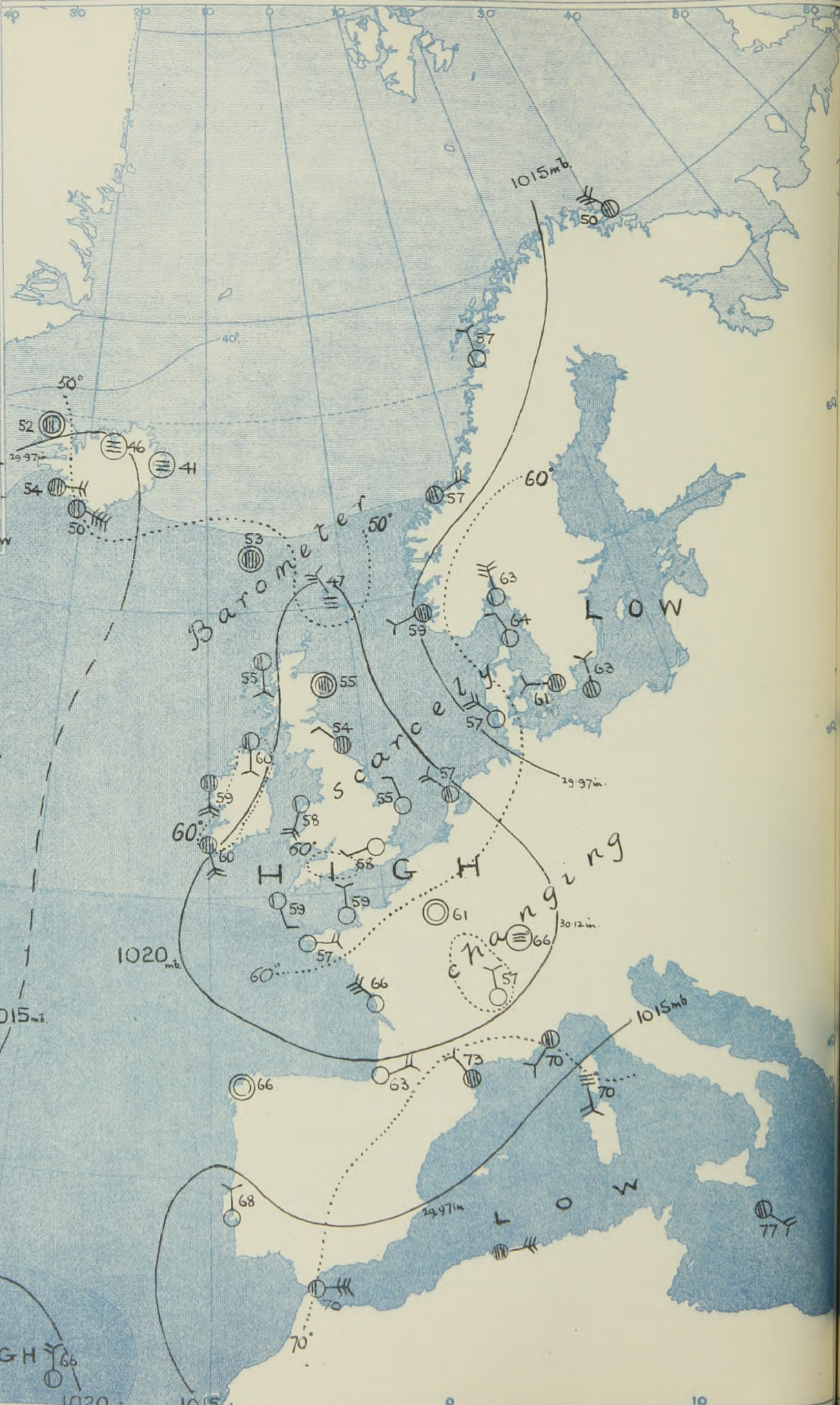
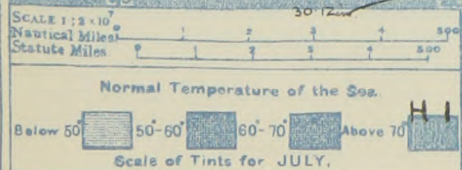
○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded.

○ sky 5/8 clouded. ○ overcast sky. ● rain falling.

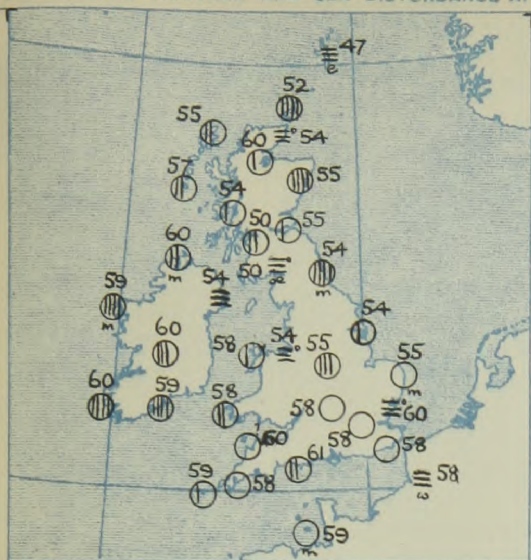
✱ snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.

⚡, thunderstorm.

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







## GALES.

### Notes on the Weather of the 24 hours ended 7h Today

Temperature rose to about 70° in central and southern England, but no higher than about 60° at some stations in the north-east. Some rain fell on the west coast of Ireland, but elsewhere the conditions were dry. In the south of Scotland, at Liverpool and in the south-west of England there was much bright sunshine; in the south-east and east the records were small.

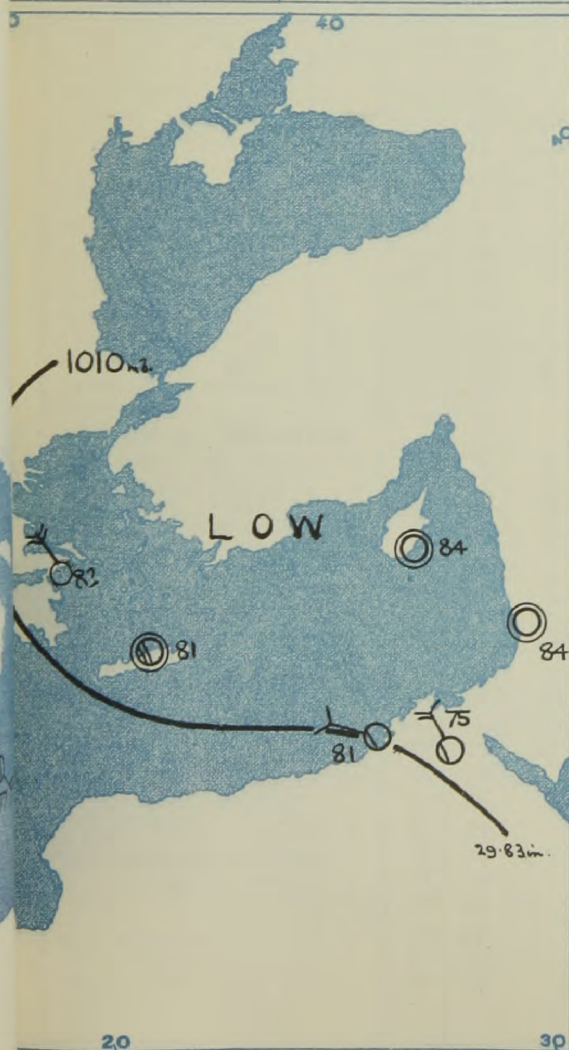
### The Conditions at 7h today

An anticyclone covers practically the whole of France and the United Kingdom. It is at present stationary. The lowest pressure is found over Sweden and the Baltic region. The wind is light over the British Isles and the neighbouring seas and countries, its direction being southerly on our western seaboard, and northerly to north-westerly over the North Sea. The weather is overcast in the far west, generally fair to fine elsewhere. Temperature differs but little from the normal.

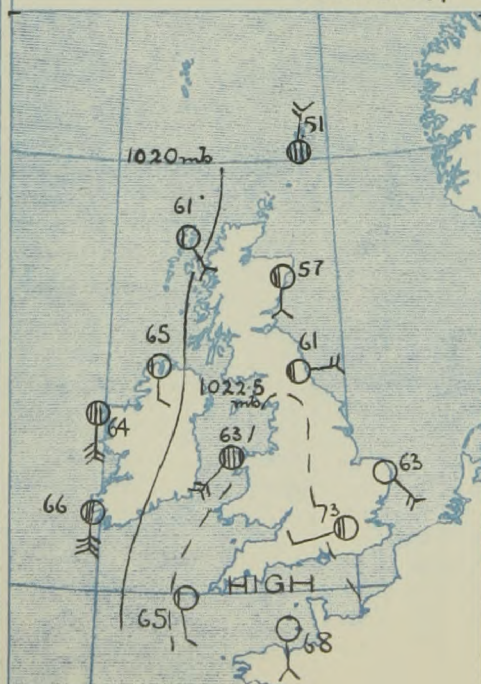
### The Outlook

It appears probable that the anticyclonic system will continue over our islands or their immediate neighbourhood for two or three days, accompanied by generally finer and warmer weather.

H.H.



MONDAY, 29<sup>th</sup> , JULY , 1918, at 13h. (1p.m.) G.M.T.



Scarcely any change has taken place in barometer pressure since 7h. Temperature has risen to above 70° in the SE of England, and the weather is fair or fine generally.



STATIONS.		EVENING OF 28 <sup>TH</sup>					MORNING OF 29 <sup>TH</sup>										24 HOURS ENDED 7 h 29 <sup>TH</sup>							Sun- shine for 28 <sup>TH</sup> Hours.
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
				Direc.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	1019.1	49	NNW	5	o	1020.4	0	47	-1	NNW	3	-	fe	2	0.2	51	46	o	o	o. fe.	4.7		
	Deerness (Orkney)	1021.0	54	WNW	4	bc	1021.3	0	52	+1	WNW	1	-	o	1	-	56	47	o	o. c. bc.	bc. c. o.	0.0		
	Stornoway	1022.0	56	SE	2	o	1019.8	-1	55	+2	S	2	-	bc	1	-	57	45	o	o	o. bc.	0.0		
	Castlebay (Barra Isd.)	1021.9	58	SE	3	c	1019.1	-1	57	+3	E	3	-	bc	3	-	60	52	o	o. c.	c. bc.	5.7		
	Glasgow	1020.8	66	SSE	2	bc	1022.1	0	50	-2	NE	1	NW	bc	3	-	69	46	0.2	c. bc. z.	bc. bc.	11.1		
	Eskdalemuir	1020.9	62	S	2	c. z.	1022.7	0	50	-1	-	0	-	ome	3	-	67	48	bc. cyz	cyz. c. z.	c. z. o. fe.	12.2		
	Malin Head	1020.8	56	E	3	bc. om.	1018.7	-1	60	+5	S	2	SW	bc	2	-	60	53	bc. om.	bc. om.	bc. om.	5.7		
	Blacksod Point	1019.9	60	S	3	bc. z.	1016.8	+1	59	+5	S	4	-	om	4	1	61	54	0.2	c. z.	om. om.	4.0		
	Valencia (Cahirveen)	1021.0	62	S	3	o	1019.2	+1	60	+4	SSE	4	-	o	3	4	65	56	o. c. bc.	c. bc. c. o.	od. o.	4.0		
	Roche's Point	1022.8	60	SSE	2	c	1021.6	0	59	+4	SSE	2	-	o	2	-	63	55	bc	c	c. o.	5.5		
NORTH EUROPE.	Birr Castle	1022.4	68	SW	1	c	1020.0	0	60	+4	S	2	-	c	3	-	60	53	bc	c	c	8.5		
	Donaghadee	1021.2	57	SE	2	bc. om.	1020.4	0	54	+2	S	2	-	of	1	-	60	51	bc. om.	c. ym.	bc. om.	3.4		
	Liverpool (Bidston)	1022.5	59	NW	1	c	1022.9	+1	54	-1	SE	1	-	om	1	-	63	53	b. bc	bc.	bc.	5.7		
	Holyhead	1022.7	61	SW	2	c. y.	1022.4	0	58	0	SSW	4	-	b	2	-	64	55	b. bc. om.	c. bc. om.	bc. c.	5.7		
	Pembroke (St. Ann's)	1023.7	59	W	2	c	1023.2	0	58	+3	S	2	S	bc	2	-	62	54	bc.	c. o.	bc. c.	5.7		
	Hartland Quay	1024.3	63	W	2	c	1023.5	0	76.0	0	SSE	1	-	b	2	-	64	54	o. c.	c	c. o. c. b.	5.7		
	Scilly (St. Mary's)	1024.5	63	WSW	1	bc	1024.1	0	59	+2	SSE	1	-	b	2	-	65	55	bc	bc	b	12.9		
	Falmouth	1024.1	64	NNW	2	bc. z.	1023.7	0	58	-1	NE	1	-	bc	3	-	70	48	bc. om.	bc. z.	b	8.2		
	Jersey (St. Aubin)	1023.5	66	W	2	b	1023.3	0	59	-1	N	2	-	bc	1	-	66	59	bc. om.	bc. z.	bc. z.	13.5		
	Portland Bill	1022.3	61	W	3	bc	1023.3	0	61	0	NNW	1	-	bc	2	-	61	55	b.	b.	bc	5.7		
FRANCE, &c.	Dungeness	1021.6	62	SW	2	b	1022.0	0	58	+4	NW	1	-	b	1	-	65	50	bc. c.	bc.	b. bc.	5.7		
	Wick	1021.4	55	NW	2	og.	1021.1	0	54	+3	-	0	-	m	1	-	56	47	om.	og.	bc.	6.2		
	Nairn	1020.7	60	NE	2	b	1021.0	0	54	+1	-	0	-	bc	0	-	61	43	c. bc.	bc. b.	bc.	2.1		
	Aberdeen	1021.6	57	NNW	1	o	1021.5	0	55	+2	-	0	-	0	2	-	61	49	o. c.	c. bc. ov.	c. bc. o.	2.1		
	Leith	1020.2	58	E	2	bc. z.	1021.3	0	55	0	NE	1	E	bc. z.	?	-	?	?	bc. z. bc.	c. o. bc. b.	b. bc.	5.7		
	Tynemouth	1021.1	57	SE	2	b	1022.2	0	54	0	NW	1	-	om	2	-	59	51	b	b	bc	5.7		
	Spurn Head	1022.5	58	ENE	3	bc. v.	1022.9	0	54	-1	WSW	1	-	b	3	Trace	61	53	bc.	bc.	bc.	1.5		
	Yarmouth (Gorleston)	1021.1	59	N	3	b	1023.0	0	55	+1	NNW	1	-	bc	1	-	60	50	0.5c. o.	o. b.	b. bc. b.	1.9		
	Clacton-on-Sea	1021.7	65	NW	2	cm	1022.2	0	60	+4	NNE	1	-	bc	1	-	66	55	c. og.	og. cm	c. om.	1.3		
	Nottingham	?	69	W	2	o	1022.4	0	55	-3	WSW	1	NW	cm	3	-	70	46	c. o.	c. o.	o. bc.	1.6		
IBERIA, &c.	Benson (Oxon.)	1021.6	70	NW	1	bc	1022.2	+2	58	+4	-	0	-	b	3	0.1	71	52	bc.	bc. c.	bc. bc.	5.7		
	St. Farnborough	1022.2	69	W	2	o	1022.8	0	58	+4	WNW	2	-	bc	3	-	71	52	0.2	0.2. o.	o. bc.	2.4		
	Salisbury Plain	1022.3	67	WSW	1	c	1023.3	+1	55	+2	W	1	-	bc	3	-	70	47	c. bc	c. bc. c.	bc. bc.	5.7		
	London (Kew Obsy.)	1022.0	68	W	1	c	1022.7	0	58	+1	WSW	1	-	bc. m.	3	-	69	52	om. c. o.	o. c.	c. bc.	1.8		
	Spitsbergen	1011.5	46	N	3	m	1014.3	+1	50	-	NW	5	-	c	5	-	50	45	-	-	-	-		
	Vardö	1014.3	57	ENE	4	c	1016.4	0	57	-2	N	2	-	b	2	-	59	46	-	-	-	-		
	Bodö	1016.6	59	N	7	c	1016.9	0	57	-2	ENE	3	-	c	2	-	63	54	-	-	-	-		
	Christiansund	1013.2	57	NW	5	o	1014.9	0	59	+2	WSW	2	-	o	2	-	59	55	-	-	-	-		
	Skudesnaes	1010.6	64	WSW	1	b	1012.2	+1	63	0	N	5	NE	b	2	1	66	61	-	-	-	-		
	Færder (X'tania Fjord)	1010.6	63	W	1	c	1011.2	+1	64	+5	NNW	1	-	b	1	-	68	56	-	-	-	-		
MEDITERRANEAN.	The Scaw (Skagen)	1010.6	63	W	1	c	1014.6	0	57	-2	NW	4	-	o	3	Trace	68	54	-	-	-	-		
	Blaavands Huk	1011.5	64	NW	3	bc	1012.3	+1	61	-2	WNW	2	-	o	3	Trace	66	59	-	-	-	-		
	Copenhagen	1010.7	64	W	2	bc	1011.1	0	63	+2	N	2	-	c	0	-	64	57	-	-	-	-		
	Bornholm	1018.6	61	NW	3	c	1020.4	+1	57	-4	NW	3	-	c	3	1	63	57	-	-	-	-		
	The Helder	1022.7	63	W	1	b	1022.3	0	62	+8	-	0	-	b	0	-	68	54	-	-	-	-		
	C. Gris Nez	1023.0	61	NNW	2	b	1024.3	0	57	-2	SW	1	-	m	1	-	68	55	-	-	-	-		
	La Hève	1021.1	61	NNW	3	b	1025.6	0	57	-4	E	3	-	b	-	-	66	54	-	-	-	-		
	Brest (St. Mathieu)	1022.4	64	NW	5	b	1021.4	+2	61	+2	NE	2	-	b	-	-	73	57	-	-	-	-		
	Rochefort (Ile d'Aix)	1020.4	68	NNE	4	b	1019.4	0	63	-	ENE	3	-	b	-	-	73	55	-	-	-	-		
	Biarritz	1020.4	68	NNE	4	b	1019.4	0	63	-	ENE	3	-	b	-	-	73	55	-	-	-	-		
MEDITERRANEAN.	Paris	1022.6	66	N	2	c	1023.6	0	61	+2	-	0	-	b	-	-	72	54	-	-	-	-		
	Belfort	1022.0	59	W	2	bc	1024.3	0	66	+16	-	0	-	m	-	-	66	46	-	-	-	-		
	Lyons	1021.4	66	NE	2	b	1021.5	0	57	+2	N	2	-	b	-	-	73	50	-	-	-	-		
	Nice	1013.4	70	SW	2	c	1015.9	+1	72	-1	-	0	-	b	-	-	84	59	-	-	-	-		
	Perpignan	1018.4	73	NW	2	o	1018.7	0	68	+2	W	2	-	b	-	-	81	57	-	-	-	-		
	Sanguinaire	1013.8	70	NW	4	m	1014.3	0	70	-	S	3	-	m	3	-	81	55	-	-	-	-		
	Corunna	1019.4	72	NNE	4	b	1016.8	-1	66	0	-	0	-	b	1	-	75	55	-	-	-	-		
	Madrid	1014.4	79	NNW	4	b	1014.6	+1	68	+4	N	2	-	b	5	-	84	64	-	-	-	-		
	Lisbon	1020.3	0	SSW	5	?	1014.6	+1	68	-3	WSW	6	-	o	3	16	75	50	-	-	-	-		
	Azores (Horta)	1020.4	0	SW	4	c	1016.8	-1	70	0	SW	4	-	m	3	-	75	70	-	-	-	-		
MEDITERRANEAN.	„ (P. Delgada)	1020.4	0	SW	4	c	1020.6	-1	66	0	N	3	-	b	3	-	73	64	-	-	-	-		
	Madeira	1023.4	72	NE	3	o	1020.6	-1	66	0	N	3	-	b	3	-	73	64	-	-	-	-		
	Gibraltar	1014.9	74	E	4	b	1014.2	0	70	-	E	6	-	bc	3	1	84	69	-	-	-	-		
	Palma	1014.2	75	NE	6	o	1014.0	0	72	-3	E	5	-	o	6	6	77	68	-	-	-	-		
	Algiers																							

\* Information for these columns not usually received.

+ Received too late for insertion in Charts

± The barometric change is expressed in half-millibars

#### THE BEAUFORT SCALE OF WIND FORCE.



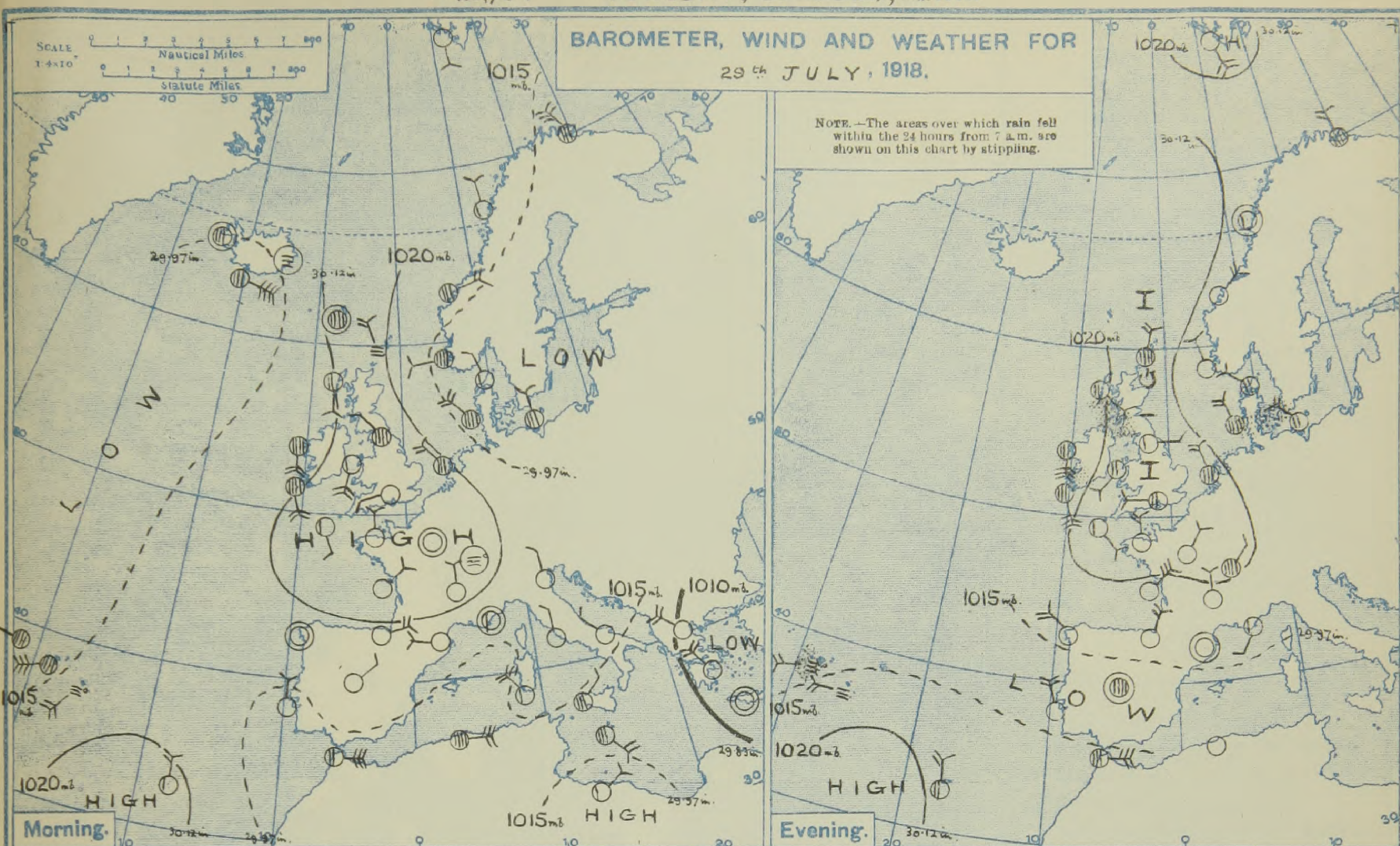
# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,704

TUESDAY, 30th JULY, 1918.

## BAROMETER, WIND AND WEATHER FOR 29th JULY, 1918.

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



### WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 29th JULY.

STATIONS.		EVENING OF 28 <sup>TH</sup> .....					MORNING OF 29 <sup>TH</sup> .....										MORNING OF 29 <sup>TH</sup> .....						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.
		° F.					° F.	° F.					° F.	° F.		° F.	° F.						
RUSSIA.	Archangel ...												*	*		Isafjord ...	1016.8	52	+2	-	0	c	
	Petrograd ...												*	*		Reykjavik	1013.8	54	+4	E	4	o	
	Moscow ...												*	*		Vestmanna	1014.0	50	+2	ESE	8	c	
SWEDEN.	Hernösand ...						*						*	*	*	Seydisfjord	1018.6	41	0	-	0	f	
	Stockholm ...						*						*	*	*	Thorshavn	1021.2	53	+3	-	0	o	
	Wisby ...						*						*	*	*								
ITALY.	Venice ...	1011.9	72	ESE	1	b	1015.5	*	66	0	N	1	b	-	79	64	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM 30 <sup>TH</sup> AND 31 <sup>ST</sup> JULY 1918.						
	Turin ...	1012.3	75	-	0	b	1016.9	*	68	-4	-	0	b	-	82	64							
	Pesaro ...						1015.7	*	75	+11	W	1	b	-	77	59							
	Leghorn ...						1015.4	*	73	+1	-	0	b	-	78	?							
	Rome ...	1013.4	72	NW	1	b	1015.9	*	70	-5	N	1	b	-	84	63	Sunrise.		Noon.		Sunset.		
	Viesti ...	1011.3	73	NW	2	bc	1015.4	*	75	+3	NW	1	b	-	88	68	G.M.T.		G.M.T.		G.M.T.		
	Brindisi ...	1012.2	77	N	2	b	1014.2	*	73	-2	SSW	3	b	-	88	?	4.8		11.59		7.49		
	Cagliari ...						1016.2	*	73	-8	NW	4	b	?	7	73	4.10		11.59		7.47		
	Palermo ...						1014.9	*	70	-11	ENE	1	c	-	91	64	4.21		12.6		7.51		
	Tripoli ...						1017.0	*	73		ENE	2	b	-	99	73	4.23		12.6		7.49		
																	3.59		12.18		8.37		
																	4.1		12.18		8.35		
																4.59		12.47		8.36			
																5.1		12.47		8.33			

LONDON 30th JULY ... 9h. G.M.T.	HUMIDITY.		Sun- shine for 29th Hours.	TEMPERATURE.			Rain- fall. mm.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min on Grass.		Morning.	Afternoon.	Night.
	29th	30th		°F.	°F.	°F.				
GREENWICH (Royal Observatory) ...	50	62	7.4	78	53	43	-	bc	o.c.	c. bc. bruv
CITY (Bunhill Row) ...	*	*	8.6	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ...	59	76	10.8	76	54	52	-	*	*	*
" (Roof near Charing Cross) ...	51	66	8.6	78	58	*	-	bc	bc	*
CAMDEN SQ. (British Rainfall) ...	74	85	9.1	79	53	52	-	b	b	*
KENSINGTON PALACE ...	?	?	10.8	76	54	47	-	bc	bc	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

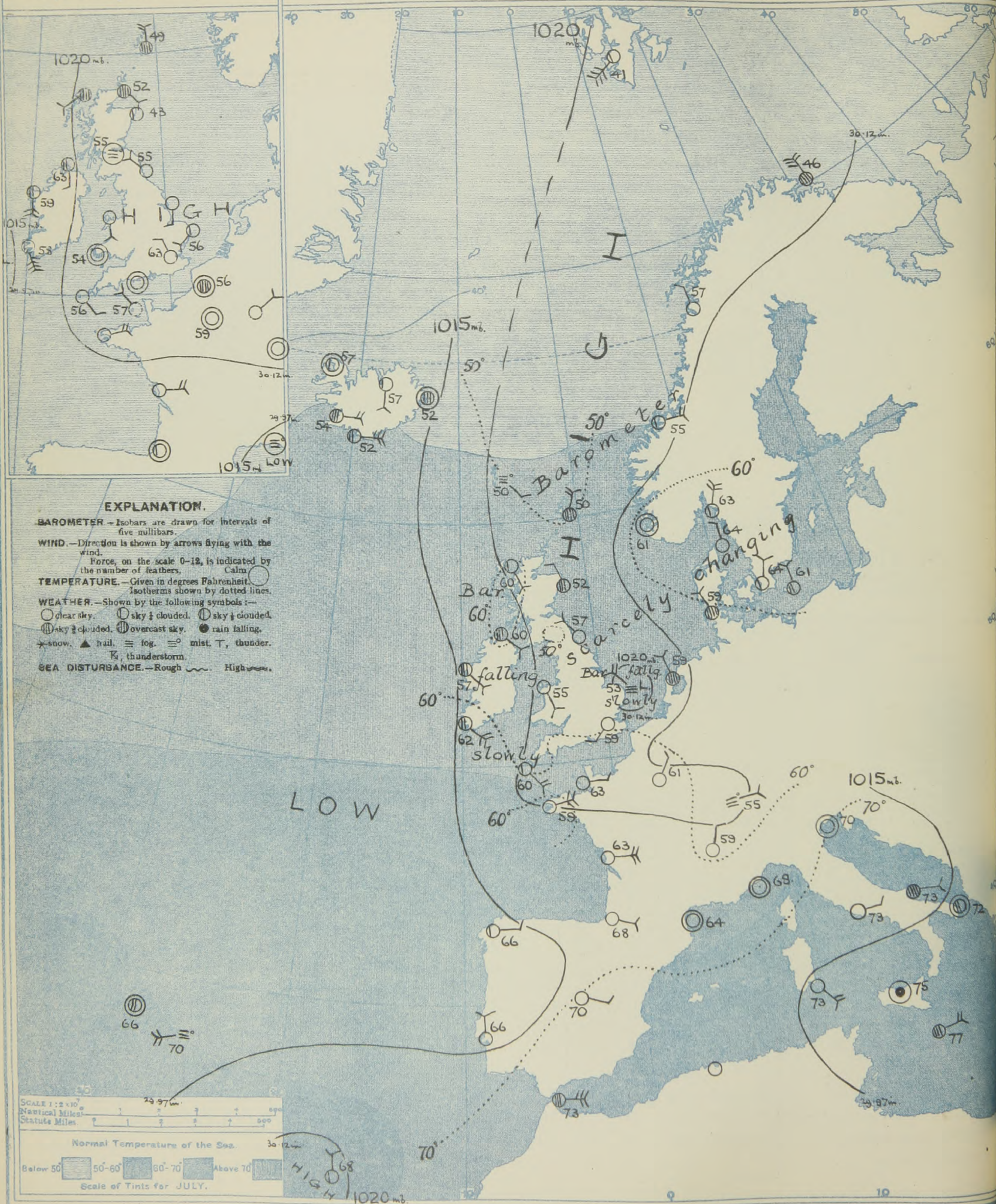
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 29th.		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1750	31.3	79

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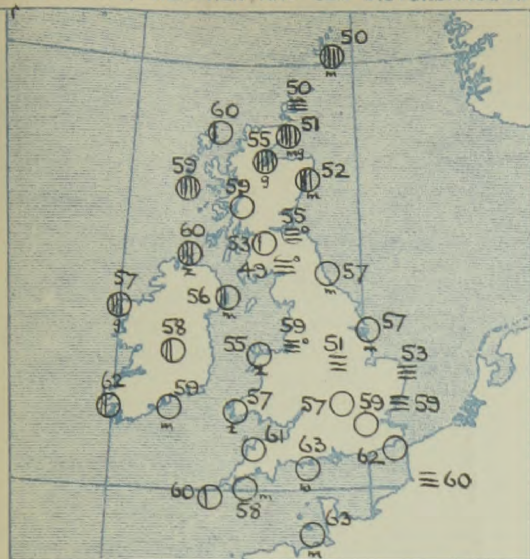


30<sup>th</sup> JULY, at 1h. G.M.T.

THE MORNING OF TUESDAY, 30<sup>th</sup> JULY 1918, at 7h. G.M.T.







## GALES.

Notes on the Weather of the 24 hours ended 7h Today.

Temperature rose to  $70^{\circ}$  and above in many parts of the Kingdom, the highest reading being  $78^{\circ}$  at South Farnborough. Very slight rain fell at some stations in the far northwest, but generally the weather was fine and bright. The sunshine records exceeded 12 hours over a large portion of Great Britain; at Falmouth and Scilly the value was about 14.4 hours.

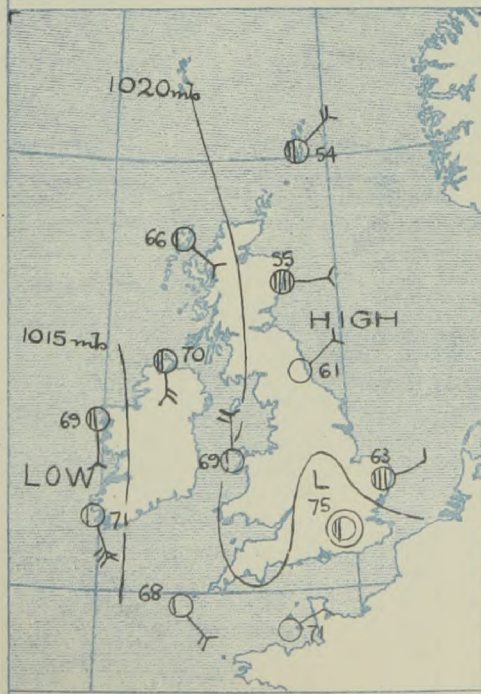
The Conditions at 7h Today.

An anticyclone still covers Great Britain and its immediate vicinity, but a depression on the Atlantic is causing a fall of the barometer over the western districts of the Kingdom, and a very slight depression has developed over Norfolk. Pressure continues low over the Baltic region. The wind is very light generally, its main direction being from SE. or S. in the west, and from the Northward or Northwestward in the east. Fog prevails locally in central and eastern England, and mist in some districts. As a whole, however, the weather is fair to bright. Temperature has risen somewhat in most places.

The Outlook.

The indications are far from definite, but they seem to show that the Atlantic depression will extend somewhat over these Islands, and that the anticyclone will undergo considerable modification in form and partially disperse.

H.A.

TUESDAY, 30<sup>th</sup> JULY, 1918, at 13h. (1p.m.) G.M.T.

Pressure has decreased a little generally more in the west and south than elsewhere - and the distribution has become less regular over England. The fall of the barometer has ceased at present on the west coast of Ireland, but it will recommence shortly.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 211.

TUESDAY,  
30<sup>TH</sup> JULY

STATIONS.		EVENING OF 29 <sup>TH</sup>					MORNING OF 30 <sup>TH</sup>					24 HOURS ENDED 7 <sup>15</sup> 30 <sup>TH</sup>					Sun- shine for 29 <sup>TH</sup> Hours.					
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.		WEATHER.				
				Force 0-12.	Dir.				Dry Bulb. °F.	Change in 24 hours.	Dir.	Force 0-12.						Max. °F.	Min. °F.	Morning.	Afternoon.	Night.
BRITISH ISLANDS.	Lerwick	1022.5	51	NNE	3	om	1022.7	0	50	+3	NNE	3	-	om	3	-	52	46	om	om	om	7.2
	Deerness (Orkney)	1021.7	53	W	3	bc	1022.3	*	50	-2	E	1	-	f	1	-	58	48	oc.	c. bc.	bc. oc.	10.7
	Stornoway	1019.7	63	SE	2	bc	1020.1	-1	60	+5	SSE	2	-	b	1	-	65	54	b.	b. bc.	bc. oc.	3.0
	Castlebay (Barra)	1019.8	57	E	1	om	1019.2	0	59	+2	E	4	-	o	3	0.3	60	57	bc. om.	om.	om.	11.0
	Glasgow	1020.8	67	WSW	2	bc	1021.5	-1	53	+3	E	1	-	b	*	Trace	73	49	bc.	bc. bc.	bc. om.	8.1
	Esikdalemuir	1021.3	62	SE	2	bc	1022.1	0	49	-1	-	0	-	ome	*	Trace	65	41	om. oc.	bc. bc.	bc. bc.	2.0
	Malin Head	1019.5	63	E	1	om	1018.0	-1	60	0	SE	2	SE	c2	1	-	66	58	bc.	bc.	bc.	6.1
	Blacksod Point	1017.1	61	S	6	c	1015.2	-1	57	-2	SE	2	-	cg	3	Trace	66	54	om.	c.	cg. om.	
	Valencia (Cahirciveen)	1018.7	63	SSE	5	c	1015.1	-4	62	+2	SE	4	S	bc	3	-	67	58	oc.	c.	c. bc.	
	Roche's Point	1020.4	60	SW	2	c	1018.6	*	59	0	SE	2	NW	bm	2	0.2	65	57	oc.	c. bc. c.	c. bc.	4.3
	Birr Castle	1019.5	66	S	1	o	1018.7	*	58	-2	E	1	-	bc	*	-	71	52	c.	c. oc.	c.	
	Donaghadee	1020.0	64	SW	2	om	1019.5	-1	56	+2	S	2	S	bc.	1	-	66	52	oc. bc.	m. bc.	bc. bc.	
	Liverpool (Bidston)	1021.8	64	NW	1	b	1020.9	-1	59	+5	E	1	-	m	1	-	66	54	bc.	b	bc.	13.0
	Holyhead	1021.9	63	SW	2	bc	1020.5	-1	55	-3	SSE	2	-	b2	0	Trace	64	51	b. bc.	oc. bc.	bc.	5.9
	Pembroke (St. Ann's)	1023.2	61	-	0	bc	1020.7	-2	57	-1	ENE	2	-	b2	2	0.1	64	52	c. bc.	bc.	bc.	13.8
	Hartland Quay	1022.5	63	NE	3	b	1020.7	-1	61	+1	SE	1	-	b	2	-	64	54	b	b	b	
	Scilly (St. Mary's)	1022.6	63	SE	2	b	1020.1	-1	60	+1	SE	3	-	b	3	0.1	68	55	b	b	bc.	14.3
	Falmouth	1021.7	63	SE	2	b	1020.6	-1	58	0	ENE	1	-	bm	*	-	66	51	bc.	bc.	b	14.4
	Jersey (St. Aubin)	1022.3	68	N	2	b	1020.7	*	63	+4	E	1	-	bm	1	-	73	54	bc. b	b	bc.	13.8
	Portland Bill	1022.4	62	-	0	b	1021.1	0	63	+2	-	0	-	bc.	1	-	66	59	bc. b	b	b	
	Dungeness	1021.3	64	SW	2	c	1020.3	0	62	+4	WSW	2	-	b	1	-	68	55	b. bc.	bc.	bc.	
NORTHERN EUROPE.	Wick	1021.3	55	S	1	bc	1021.8	0	51	-3	SE	2	-	omg	2	-	57	51	bc	bc.	omg	
	Nairn	1020.1	60	NE	3	b	1021.3	*	55	+1	-	0	-	og	1	-	62	49	bc	bc. b.	bc. oc.	13.4
	Aberdeen	1021.7	57	E	2	b	1022.2	0	52	-3	NNW	1	-	om	2	-	63	45	oc. bc. b.	b	bc. om.	9.4
	Leith	1019.8	61	ENE	2	b	1020.7	0	55	0	E	1	-	m	2	-	71	53	b. bc. b.	b	bc. bc.	
	Tynemouth	1021.2	62	E	1	bm	1020.9	0	57	+3	NW	2	-	b	2	-	62	50	bm	bm	bm	
	Spurn Head	1021.9	60	SSE	2	b	1021.3	0	57	+3	NW	3	-	bmur	2	-	61	54	b	b	bm	5.5
	Yarmouth (Gorleston)	1021.9	60	SE	2	b	1019.6	-2	53	-2	NW	3	-	f	2	-	64	52	b	b	bc.	12.4
	Clacton-on-Sea	1021.7	62	ESE	3	bc	1020.5	0	59	-1	NW	1	-	bcf	1	-	68	55	bc. bc.	bc.	bc.	13.0
	Nottingham	1020.9	71	W	2	bc	1021.4	*	51	-4	SW	1	-	f	*	-	76	49	c. bc.	bc.	b	
	Benson (Oxon.)	1020.8	73	WNW	1	b	1020.4	0	57	-1	-	0	-	b	*	-	76	48	b	bc.	bc.	
FRANCE, &c.	Sth Farnborough	1021.6	74	W	2	bc	1021.1	0	58	0	NW	2	-	bcw	*	-	78	48	bc. bc.	c. bc.	bc. bc.	12.4
	Salisbury Plain	1021.5	71	W	1	b	1021.1	-1	55	0	W	1	-	bc	*	-	73	48	bc. bc.	bc.	bc.	10.8
	London (Kew Obs.)	1021.3	73	-	0	b	1020.9	0	59	+1	SW	1	-	bcw	*	-	76	55	bc. bc.	bc. b.	bc. bc.	9.6
	Spitsbergen	1020.6	48	SSE	4	b	1021.2	0	41	-4	SW	6	*	b	*	-	52	39	b	b	bc.	
	Vardö	1019.5	46	N	3	o	1023.6	+2	46	-4	N	5	-	o	4	*	50	45	b	b	bc.	
	Bodö	1017.1	57	-	0	b	1020.6	0	57	0	N	1	-	b	1	-	59	46	b	b	bc.	
	Christiansund	1019.4	57	NE	3	b	1020.7	0	55	-2	E	3	-	b	3	-	61	52	b	b	bc.	
	Skudesnaes	1013.1	63	NNW	2	b	1016.0	0	61	+2	-	0	-	b	1	-	63	52	b	b	bc.	
	Færder (X'tania Fjord)	1014.0	66	SE	1	b	1015.9	0	63	0	NNE	4	-	b	2	-	70	61	b	b	bc.	
	The Scaw (Skagen)	1012.4	66	NW	2	bc	1014.4	+1	64	0	N	1	-	b	1	-	66	59	b	b	bc.	
IBERIA, &c.	Blaavands Huk	1016.3	57	NNW	3	o	1017.0	0	59	+2	NNW	2	-	o	*	Trace	61	54	b	b	bc.	
	Copenhagen	1012.7	63	-	0	bc	1013.1	0	64	+3	NNE	2	-	b	*	68	59	b	b	bc.		
	Bornholm	1012.2	61	NW	3	bc	1012.6	+1	61	-2	N	2	N	bc	0	-	64	59	b	b	bc.	
	The Helder	1021.4	59	NNW	3	c	1020.2	-1	59	+2	NNW	2	-	o	1	-	61	57	b	b	bc.	
	C. Gris Nez	1022.2	64	-	0	bc	1020.7	0	61	-1	SW	1	*	o	0	-	68	59	b	b	bc.	
	La Hève	1023.8	64	NE	1	b	1022.3	*	63	+7	-	0	*	m	0	-	68	55	b	b	bc.	
	Brest (St. Mathieu)	1022.4	68	N	1	b	1019.6	-1	59	+2	ENE	4	*	b	1	-	73	55	b	b	bc.	
	Roche fort (Ile d'Aix)	1019.0	77	NE	5	b	1018.7	-1	63	+2	E	4	*	b	*	-	86	59	b	b	bc.	
	Biarritz	1016.2	72	NNE	3	b	1015.8	0	68	+5	ESE	2	*	b	1	-	82	61	b	b	bc.	
	Paris	1021.8	68	NE	2	b	1021.5	0	61	0	NW	1	-	b	*	-	75	54	b	b	bc.	
MEDITERRANEAN.	Beaufort	1020.6	64	NE	1	o	1021.6	*	55	-11	E	2	*	m	*	-	70	48	b	b	bc.	
	Lyon	1018.4	72	N	2	b	1019.1	*	59	+1	NNE	1	*	b	*	-	77	54	b	b	bc.	
	Nice	1015.4	68	SW	1	b	1015.1	+1	68	-4	-	0	-	b	0	-	82	64	b	b	bc.	
	Perpignan	1015.6	77	-	0	b	1016.7	0	64	-4	-	0	-	b	*	-	86	54	b	b	bc.	
	Sanguinaire																					
	Corunna	1015.1	73	NW	3	b	1014.7	+1	66	0	E	1	-	b	2	-	75	61	b	b	bc.	
	Madrid	1014.0	77	-	0	o	1016.7	+2	70	-7	-	0	-	b	*	-	84	63	b	b	bc.	
	Lisbon	1013.4	81	NNW	4	b	1014.7	+1	66	-2	N	2	-	b	2	-	86	64	b	b	bc.	
	Azores (Horta)	1014.4	*	WSW	5	m	1012.2	+1	66	-2	-	0	*	bc	2	3	73	66	b	b	bc.	
	" (P. Delgada)	1015.4	*	W	3	f	1011.9	-1	70	0	WSW	4	*	m	3	-	73	70	b	b	bc.	
MEDITERRANEAN.	Madeira	1019.5	75	N	3	bc	1020.0	-1	68	+2	N	2	-	b	2	-	77	66	b	b	bc.	
	Gibraltar	1015.2	74	E	5	c	1015.2	*	73	+3	E	5	*	c	3	-	76	69	b	b	bc.	
	Palma																					
	Algiers																					
	Malta																					

\* Information for these columns not usually received.

+ Received too late for insertion in Charts

± The barometric change is expressed in half-millibars

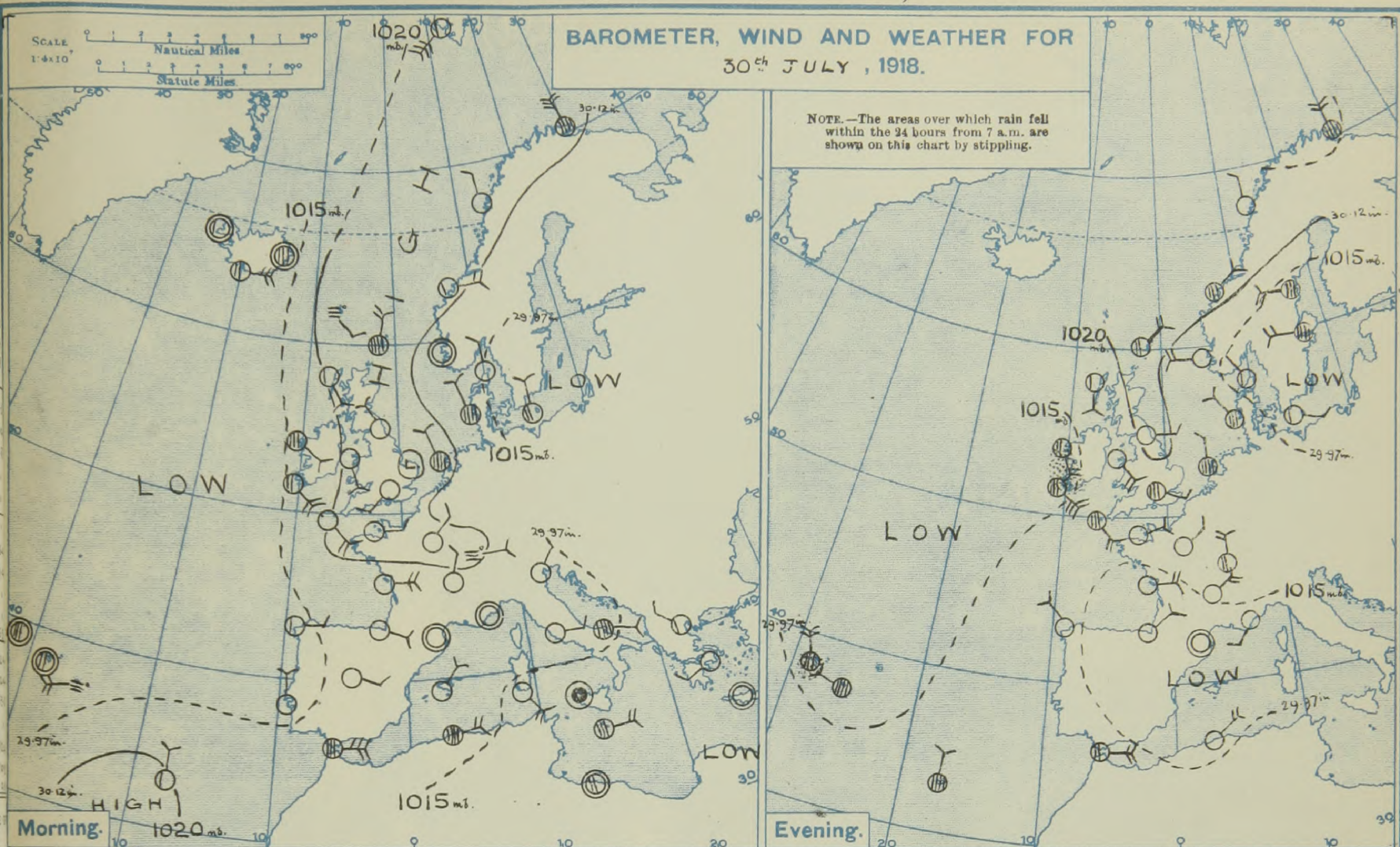
## THE BEAUFORT SCALE OF WIND FORCE.



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No.20,705

WEDNESDAY, 31<sup>st</sup> JULY, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 30<sup>th</sup> JULY

STATIONS.		EVENING OF 29 <sup>TH</sup>					MORNING OF 30 <sup>TH</sup>								MORNING OF 30 <sup>TH</sup>								
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 8 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.
		° F.					+	° F.	° F.					° F.	° F.			° F.	° F.				
RUSSIA.	Archangel ...													*	*		Isafjord ...	1011.9	57	+5	-	0	b
	Petrograd ...													*	*		Reykjavik	1011.8	54	0	E	3	c
	Moscow ...													*	*		Vestmanna	1012.0	52	+2	E	5	bc
SWEDEN.	Hernösand ...						*						*	*	*		Seydisfjord	1015.2	52	+11	-	0	c
	Stockholm ...						*						*	*	*		Thorshavn	1021.9	50	-3	SE	1	m
	Wisby ...						*						*	*	*		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
ITALY.	Venice ...					1015.4	*	70	+4	NE	1	b	-	81	64	31 <sup>ST</sup> July and 1 <sup>ST</sup> Aug. 1918.		Sunrise.		Noon.		Sunset.	
	Turin ...					1015.4	*	62	-4	-	0	b	-	86	59		G.M.T.	G.M.T.	G.M.T.				
	Pesaro ...	1015.1	70	NE	5	b	1015.5	*	79	+4	-	0	b	-	79	59		4.10	11.59	7.47			
	Leghorn ...					1015.3	*	75	+2	-	0	b	-	79	64		4.13	11.59	7.45				
	Rome ...	1020.1	73	?	?	b	1015.7	*	73	+3	E	1	b	-	84	66		4.23	12.6	7.49			
	Viesti ...	1016.9	75	-	0	b	1015.5	*	73	-2	ESE	2	0	-	79	62		4.24	12.6	7.48			
	Brindisi ...					1014.5	*	72	-1	-	0	bc	-	75	66		4.1	12.18	8.36				
	Cagliari ...					1014.7	*	73	0	SE	3	b	4	88	63		4.3	12.18	8.33				
	Palermo ...	1015.1	77	-	0	bc	1014.9	*	75	+5	-	0	r	-	88	70		5.1	12.47	8.33			
	Tripoli ...					1012.1	*	90	+17	-	0	bc	-	99	73		5.3	12.47	8.32				

LONDON	HUMIDITY.		Sun-shine for 30 <sup>th</sup>	TEMPERATURE.				Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.			Morning.	Afternoon.	Night.
31 <sup>st</sup> JULY 9h. G.M.T.	%	%	Hours.	°F.	°F.	°F.	mm.				
GREENWICH (Royal Observatory)	56	79	7.5	76	52	41	-		c. o.	bc.	b. bmr
CITY (Bunhill Row)	*	*	4.1	*	*	*	*		*	*	*
WESTMINSTER (St. James's Park)	59	83	4.4	76	57	53	-		*	*	*
" (Roof near Charing Cross)	52	77	3.1	78	59	*	-		bm. z.	bc. bc.	*
CAMDEN SQ. (British Rainfall)	50	94	5.1	79	55	51	-		bc.	bc.	*
SOUTH KENSINGTON PALACE	63	?	6.7	77	55	47	-		bc.	o	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

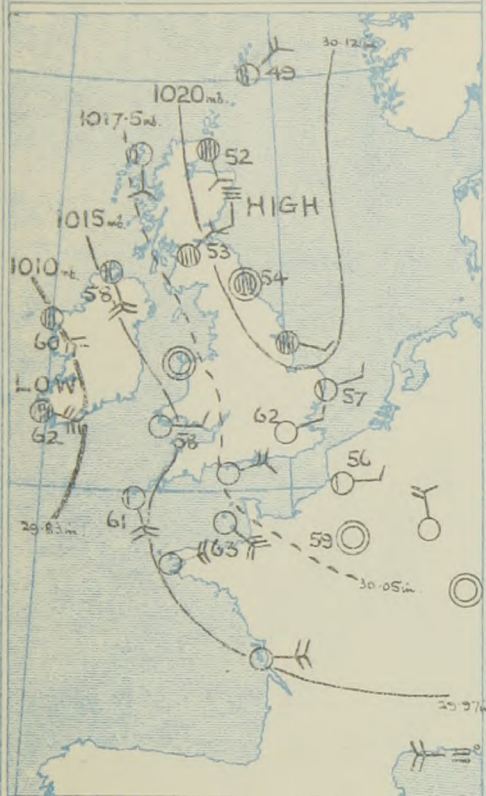
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 30 <sup>th</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1130	20.2	63

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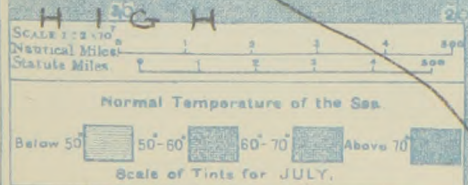
31<sup>st</sup>, JULY, at 1h. G.M.T.

THE MORNING OF WEDNESDAY, 31<sup>st</sup>, JULY 1918, at 7h. G.M.T.

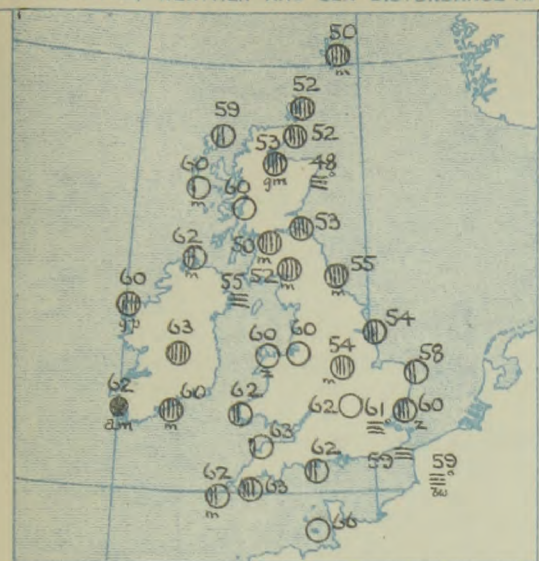


EXPLANATION.

**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.







## GALES.

Notes on the Weather of the 24 hours ended 7h Today.

Temperature rose to  $80^{\circ}$  at Benson,  $78^{\circ}$  over a large portion of England and at Jersey, and to above  $70^{\circ}$  in Ireland. At Stormoway the reading was as high as  $70^{\circ}$ , but at the Scottish stations generally they were much lower -  $57^{\circ}$  at Aberdeen and  $52^{\circ}$  at Wick. The weather was fine and bright generally. Sunshine records exceeding 10 hours were numerous; at Liverpool and Pembroke the value was about 14 hours. At Aberdeen the day was very cloudy or overcast, and on the west coast of Ireland slight rain fell early to-day.

The Conditions at 7h To-day.

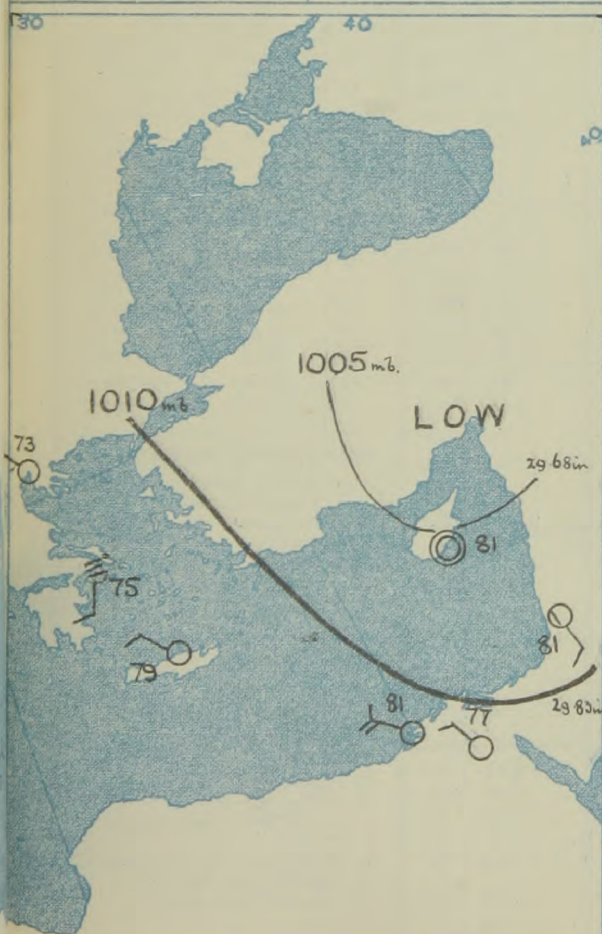
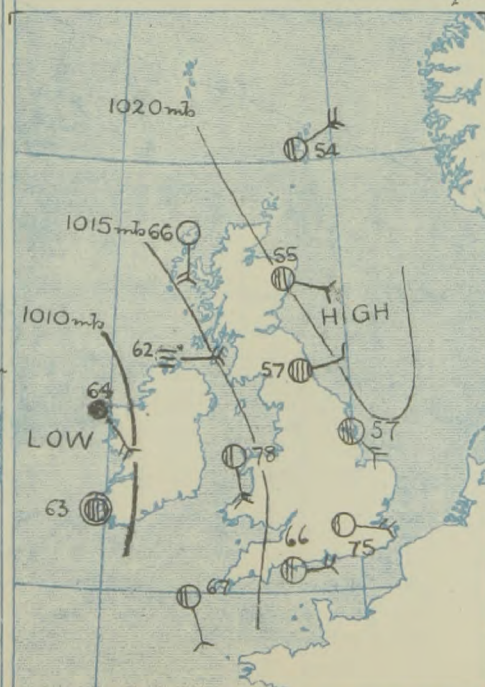
An anticyclone extends from the Northward over the North Sea, while depressions are still indicated over the Baltic region and off the west coast of Ireland, and a small disturbance has appeared to the SW of Norway. The pressure changes continue very slight. At most of our western stations there is a gentle decrease, but at Valencia the fall has ceased.

The wind has become Easterly or South-easterly over the United Kingdom but remains North-westerly or Northerly on the eastern and southern shores of the North Sea. A fresh breeze is reported on the west and north coasts of Ireland, but generally the force is very light.

The Outlook.

The barometrical indications are still indefinite, but it appears probable that the anticyclone will withdraw in a northerly direction, while the Atlantic depression extends gradually over this country.

H.H.

Wednesday, 31<sup>st</sup>, JULY, 1918, at 13h. (1p.m.) G.M.T.

Little change has occurred in the general situation. The barometer has fallen slightly in most districts, but risen a little on the west coast of Ireland and at Scilly.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 212.

WEDNESDAY,  
31st JULY.

STATIONS.	EVENING OF 30 <sup>th</sup>					MORNING OF 31 <sup>st</sup>										24 HOURS ENDED 7 h 31 <sup>st</sup>					Sun- shine for 30 <sup>th</sup> Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
			Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1022.2	SE	3	bc2	1021.6	-2	50	0	NE	4	-	om	3	-	54	48	b2	bc2	d c2	*
	Deerness (Orkney)	1019.3	E	3	bc	1020.3	*	52	+2	E	3	-	o	2	-	54	49	fmo	o c bc	bc c o	3.8
	Stornoway	1018.7	S	2	b	1017.1	0	59	-1	SE	2	-	bc	1	-	70	55	b	b	b bc	13.8
	Castlebay (Barra Isd.)	1017.4	ESE	4	bc	1015.4	0	60	+1	E	4	-	bm	4	-	64	57	o c b	bc	bc bm	10.1
	Glasgow	1018.7	ENE	3	b2	1019.3	0	50	-3	ENE	3	-	om	*	-	71	50	b bc2	bc b2	bm om	11.8
	Eskdalemuir	1018.8	SSE	2	c2 g	1018.8	0	52	+3	NE	3	-	om	*	-	73	48	c bc bz	c2 g	by com	7.3
	Malin Head	1015.8	S	3	b	1013.5	-2	62	+2	SSE	5	SE	bc om	4	-	72	56	bc	bc	bc om	11.6
	Blacksod Point	1012.1	SSE	3	bc	1007.8	-3	60	+3	SE	5	-	ogh	4	Trace	74	57	bc	bc	c2 c2 g	*
	Valencia (Cahirciveen)	1011.3	SE	5	c	1007.9	0	62	0	SSE	5	-	adm	0	3	72	61	c by	by c	c2 c2 g	8.9
	Roche's Point	1015.5	SE	3	b	1011.4	*	60	+1	SE	3	-	om	4	-	65	59	b2	b2	bm om	*
	Birr Castle	1015.4	SE	1	c	1011.9	*	63	+5	SE	2	-	o	*	-	73	51	c	c	c o	7.8
	Donaghadee	1018.0	SE	3	bc2	1015.7	0	55	-1	SE	2	-	og	1	Trace	64	53	bc om	b2	bm of	*
	Liverpool (Bidston)	1018.0	NNW	1	b	1016.8	-2	60	+1	ESE	3	-	b	2	-	71	57	bm	b	b	14.0
	Holyhead	1018.1	SE	3	b2	1015.5	-1	60	+5	E	3	-	b2	1	-	70	54	b2	b2	b2	13.3
	Pembroke (St. Ann's)	1017.2	E	2	b	1014.6	-2	62	+5	E	4	-	bc	2	-	69	56	b2 b	b2	b bc	14.1
	Hartland Quay	1017.3	NE	2	bv	1014.5	-1	63	+2	ESE	4	SW	b	3	-	72	58	b	b bc	b	*
SCILLY ISLANDS.	Scilly (St. Mary's)	1018.2	SSE	3	bm	1012.9	-1	62	+2	SSE	2	SE	bc om	4	-	69	58	b bm	bm	b bc om	13.6
	Falmouth	1017.3	SSE	1	b2	1014.5	-1	63	+5	ESE	2	-	cm	*	-	68	57	b2	b2	b bc	13.5
	Jersey (St. Aubin)	1017.6	ENE	2	b	1016.1	*	66	+3	E	1	-	b	1	-	78	62	bm b	b	b	13.7
	Portland Bill	1018.6	E	2	b	1016.9	-1	62	-1	ENE	4	S	bc	3	-	67	59	b	b	b bc	*
	Dungeness	1018.4	WSW	2	b	1017.8	0	59	-3	ENE	2	-	f	1	-	68	58	bc	bc	bc bf	*
	Wick	1020.9	SE	2	omg	1019.8	0	52	+1	ESE	2	-	o	2	-	52	49	omg	omg	omg	*
	Nairn	1019.2	NNE	4	bg	1018.8	*	53	-2	-	0	-	omg	0	-	62	52	oc bcg	g bc b	bcw	9.6
	Aberdeen	1021.4	ESE	1	om	1020.2	0	48	-4	-	0	-	om	2	-	57	47	cm om	om cm	com me	1.2
	Leith	1019.0	E	3	b	1018.9	0	53	-2	E	2	-	om	3	-	62	52	m b bc	bc b2 b	bm om	*
	Tynemouth	1020.2	E	1	bm	1019.5	0	55	-2	ENE	1	-	om	2	-	63	54	bm	bm	bm	*
Spurn Head	1020.5	E	3	bm	1020.1	0	54	-3	E	1	-	c	2	-	63	53	bm	bm	bm	8.5	
NORTHERN EUROPE.	Yarmouth (Gorleston)	1018.8	ENE	3	b	1018.5	0	58	+5	ENE	2	-	bc	2	-	66	50	f cm	cm b	b bc	9.5
	Clacton-on-Sea	1018.7	E	2	b2	1018.8	0	60	+1	E	2	E	c2	1	-	68	53	bc bc2	bc b2	b2 c2	10.9
	Nottingham	1018.0	E	2	c	1018.8	*	54	+3	ENE	2	-	om	*	-	78	51	c bc	c	c bc	8.1
	Benson (Oxon.)	1017.5	-	0	b	1017.2	+1	62	+5	-	0	-	b	*	-	80	54	b	bc	bc bm	*
	Sth Farnborough	1018.1	SW	2	bc2	1018.2	0	59	+1	SE	1	-	b2 w	*	-	78	49	bc2 y	c2 y bc2	bc2 w	8.8
	Salisbury Plain	1017.8	SSW	1	b	1017.4	-1	59	+4	E	1	-	bw	*	-	77	47	b	b	bm	*
	London (Kew Obsy.)	1017.8	ESE	1	c2	1018.4	0	61	+2	E	1	-	bm w	*	-	78	56	bm w bc2	bc2 c2	c2 bm w	9.7
	Spitsbergen	1025.8	N	4	o	1025.6	0	46	0	N	5	*	o	4	*	48	45				
	Vardö	1021.5	N	1	b	1021.8	0	59	+2	-	0	NE	b	1	-	59	50				
	Bodö	1020.7	NE	2	c	1019.4	-1	59	+9	NE	1	-	c	2	-	61	52				
FRANCE, &c.	Christiansund	1015.2	W	3	b	1014.8	0	57	-4	-	0	-	bc	2	-	66	50				
	Skudesnaes	1014.8	WSW	2	b	1015.9	0	64	+1	NNE	3	-	b	1	-	70	63				
	Færder (X'ania Fjord)	1014.0	SW	1	b	1014.7	+1	64	0	NNE	1	-	b	1	-	68	55				
	The Scaw (Skagen)	1018.3	SW	2	c	1018.2	0	57	-2	NW	2	-	o	*	-	64	54				
	Blaavands Huk	1012.7	NNW	4	b	1012.8	0	66	+2	N	2	-	b	*	-	72	61				
	Copenhagen	1012.2	ESE	1	b	1010.7	0	61	0	N	3	N	c	0	-	68	59				
	Bornholm	1019.4	N	1	o	1020.2	0	57	-2	NNW	2	-	o	0	-	61	55				
	The Helder	1018.6	SW	1	b	1018.4	0	61	0	E	1	*	b	0	-	70	57				
	C. Gris Nez	1018.8	NNE	1	b	1018.7	*	64	+1	E	2	*	m	1	-	73	61				
	La Hève	1017.0	NNW	1	b	1014.0	-1	66	+7	SE	3	*	c	1	-	79	59				
IBERIA, &c.	Brest (St. Mathieu)	1017.0	E	3	b	1014.4	0	64	+1	E	2	*	b	*	-	91	61				
	Rochefort (Ile d'Aix)	1013.2	NE	2	b	1014.0	0	68	0	SW	1	*	c	1	-	81	66				
	Biarritz	1014.0	NE	2	b	1014.0	0	68	0	SW	1	*	c	1	-	81	66				
	Paris	1017.9	NE	1	b	1018.4	0	63	+2	-	0	-	b	*	-	77	55				
	Belfort	1015.6	N	3	bc	1018.8	*	55	0	-	0	*	m	*	-	77	50				
	Lyons	1015.2	NE	3	b	1017.0	*	61	+2	-	0	*	b	*	-	81	55				
	Nice	1014.2	SW	1	b	1014.0	+1	68	0	-	0	*	b	0	-	82	59				
	Perpignan	1013.5	-	0	b	1015.2	+2	66	+2	-	0	-	b	*	-	82	57				
	Sanguinaire	1014.2	NW	3	b	1014.4	*	73	+1	S	1	*	b	2	-	86	66				
	MEDITERRANEAN.	Corunna	1015.6	NW	2	b	1015.0	+1	68	+2	-	0	SW	c	1	-	70	59			
Madrid		1014.4	NNW	4	c	1019.5	+1	63	-3	NNW	4	*	o	2	1	73	63				
Lisbon		1013.1	WNW	2	o	1017.6	+1	66	-4	-	0	*	c	1	-	73	64				
Azores (Horta)		1017.4	N	2	o	1019.4	0	68	0	N	2	-	bc	2	-	77	66				
„ (P. Delgada)		1015.6	E	4	bc	1015.6	*	73	0	E	4	*	bc	3	-	79	71				
Madeira		1016.2	+3	72	0	ENE	3	-	bc	2	-	77	66								
Gibraltar		1011.9	+1	77	0	E	2	-	o	*	-	82	75								
Palma		1013.6	+2	73	+3	NW	2	-	o	*	-	90	62								
Algiers		1013.5	+2	75	-4	-	0	-	m	0	-	88	70								
Malta		1013.1	+1	79	+2	NW	1	-	b	1	-	84	73								
THE BEAUFORT SCALE OF WIND FORCE.	Limassol	1005.9	+1	81	-3	-	0	-	b	0	-	93	63								
	Alexandria	1011.4	0	81	0	NW	3	N	b	2	-	88	77								
	Cairo (Helwan)	1010.8	+2	77	+2	NNW	1	-	b	*	-	97	72								
	Jerusalem	1008.6	+2	77	+2	NNW	1	-	b	*	-	97	72								
	Ramleh	1008.2	+1	81	0	S	1	-	b	*	-	91	70								
	BEAUFORT NOTATION.																				
	b	blue sky (not more than a quarter covered).																			
	bc	sky partly cloudy (one half covered).																			
	c	generally cloudy (three quarters covered).																			
	d	drizzle, or fine 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.																				
rs	sleet, i.e., rain and snow together.																				
s	snow.																				
t	thunder.																				
u																					

\* Information for these columns not usually received.

+ Received too late for insertion in Charts

± The barometric change is expressed in half-millibars

## BEAUFORT NOTATION.

b blue sky (not more than a quarter covered).  
bc sky partly cloudy (one half covered).  
c generally cloudy (three quarters covered).  
d drizzle, or fine 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.  
rs sleet, i.e., rain and snow together.  
s snow.  
t thunder.  
u ugly, threatening sky.  
v unusual visibility.  
w dew.  
x hoar frost.  
y dry air; humidity less than 60 per cent.  
z dust haze; the turbid atmosphere of dry weather.