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M.O. FORM 2610

METEOROLOGICAL OFFICE,  
LONDON.

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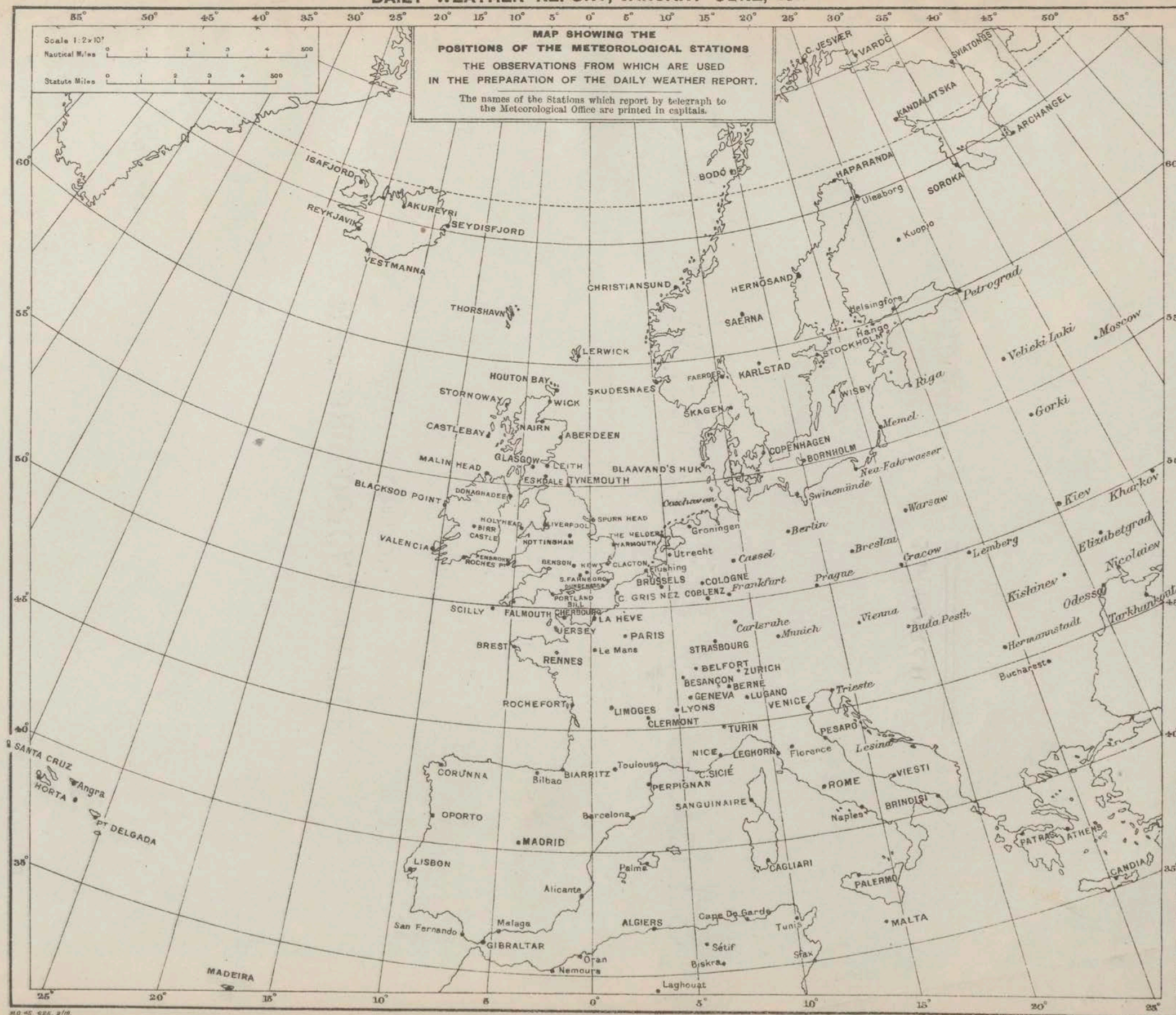
DAILY WEATHER REPORTS

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1<sup>ST</sup> JANUARY TO <sup>31<sup>ST</sup> MARCH</sup> ~~30<sup>TH</sup> JUNE~~, 1919.



## DAILY WEATHER REPORT, JANUARY-JUNE, 1919.





## DAILY WEATHER REPORT. APPENDIX I.

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

## FIRST QUARTER, JANUARY TO MARCH.

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

JANUARY.

FEBRUARY.

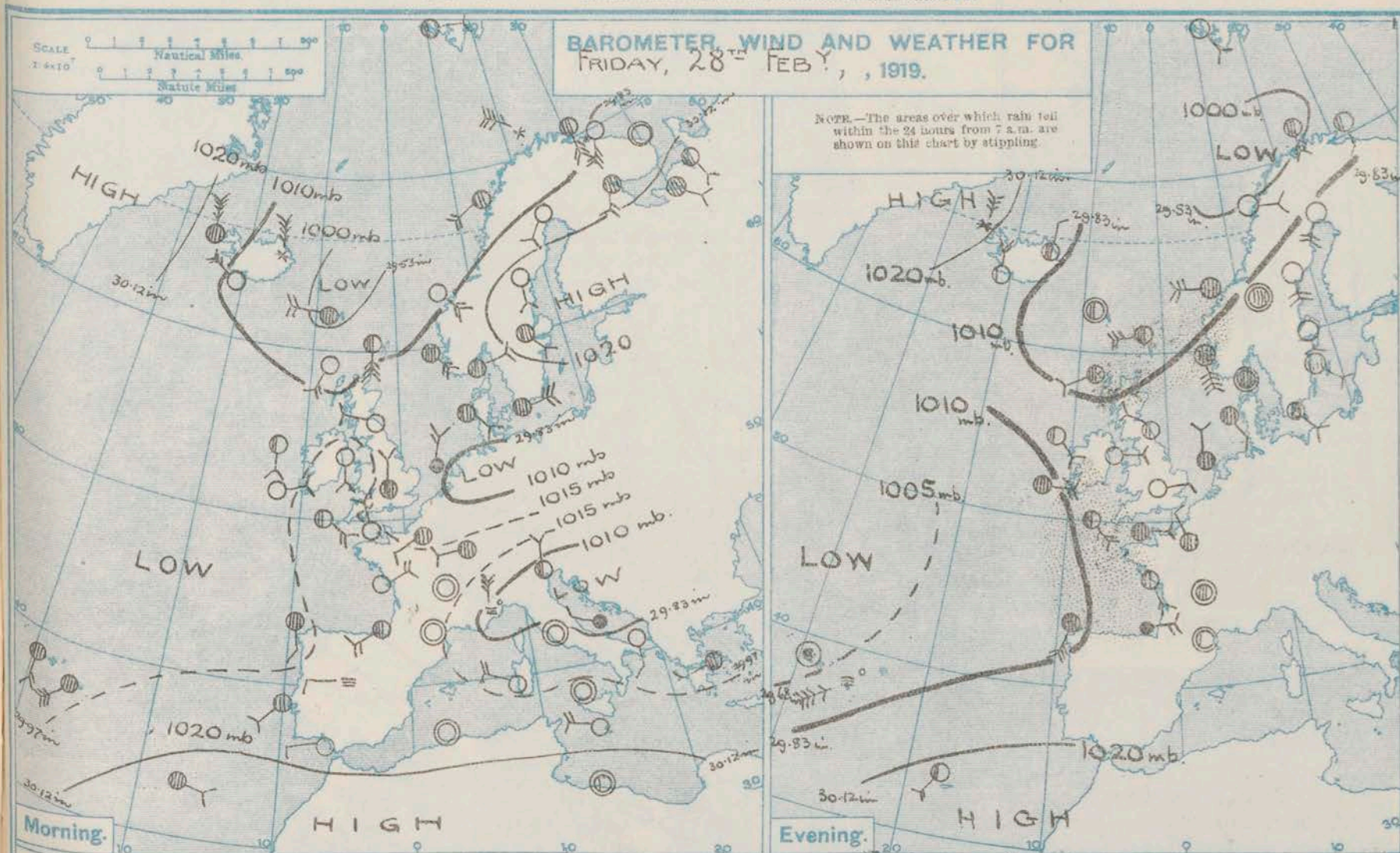
MARCH.

STATIONS.	PRESSURE. 1906-1915.  7 a.m. Observations (reduced to M.S. Level).	AIR TEMPERATURE.								RAINFALL. 1881-1915.  Days with Rain. Total Fall.		BRIGHT SUNSHINE. 1881-1915.  Daily Mean. Per Centage of Possible Duration.					
		Means of				Absolute Extremes.											
		1906-1915.		1881-1915.		1881-1915.											
		Dry Bulb 7 a.m.	Daily Maximum.	Daily Minimum.		Maximum.		Minimum.									
						Temp.	Year.	Temp.	Year.								
Lerwick	mb. 1007.0	°F. 39.6	°F. 42.6	°F. 35.6	°F. 52	1898	1910	°F. 16	1910	27	108	4.26	—				
Stornoway	1008.3	40.3	43.7	34.9	55	1890	1881	11	1881	25	131	5.17	13				
Castlebay (Barra Isd.)	[1009.0]§	[43.0]§	[45.6]§	[39.3]§	[52]§	[1908, 09, 10, 14]§	[28]§	[1910]§	[24]§	[24]§	[80]§	[3.16]§	[0.97]§				
Eskdalemuir	[1012.7]¶	[34.8]¶	[39.6]¶	[30.4]¶	[51]¶	[1910, 11, 15]¶	[3]¶	[1910]¶	[21]¶	[114]¶	[4.48]¶	[1.01]¶	[14]¶				
Malin Head	1010.3	41.1	44.4	37.4	55	1898	1894	23	1894	22	66	2.61	—				
Blackod Point	1011.9	43.7	46.5	38.8	56	1890	1890	26	[1891, 94]	25	129	5.09	—				
Valencia	1014.9	44.4	48.5	40.2	55	1882, 3, 4, 8, 9, 98, 1901	1894	20	1894	24	139	5.49	19				
Roche's Point	1016.0	43.2	47.5	39.4	57	1889	1894	20	1894	21	105	4.15	—				
Birr Castle	1014.3	39.3	45.2	34.3	57	1898	1881, 94	6	1881, 94	20	72	2.83	1.61				
Donaghadee	1013.5	40.5	44.8	36.3	58	1898	1881	14	1881	20	64	2.53	—				
Liverpool (Observatory)	1015.4	38.7	43.3	35.3	58	1898	1881	9	1881	17	54	2.12	[1.94]§				
Holyhead	1014.8	42.3	45.2	38.4	54	1899, 1915	1894	20	1894	19	74	2.91	[1.42]¶				
Pembroke (St. Ann's Hd.)	1015.9	42.9	45.9	39.4	53	1899, 1907, 14	1881, 94, 1907	19	1881, 94, 1907	20	84	3.31	1.71				
Scilly (St. Mary's)	1017.3	45.6	49.1	42.3	57	1899	1894	25	1894	21	76	2.98	1.90				
Falmouth	1018.0	43.1	46.9	39.9	55	1888, 90, 96	1894	20	1894	20	107	4.21	1.87				
Jersey (St. Aubin's)	1019.0	42.8	46.6	38.6	57	1899	1891	12	1891	20	75	2.94	2.19				
Portland Bill	1016.5	43.0	45.5	38.7	[52]†	[1901, 03, 05, 11, 12, 13, 15]	[23]†	[1907]†	[1907]†	16	57	2.26	—				
Dungeness	1016.6	39.4	43.8	34.7	55	1898	1893	11	1893	16	48	1.90	—				
Dover	[1015.5]§	[38.1]§	[43.2]§	[34.4]§	[55]§	[1914]§	[17]§	[1910]§	[1910]§	[18]§	[57]§	[2.25]§	[2.10]§				
Wick	1008.5	38.0	42.5	33.3	60	1898	1881	—	1881	21	62	2.46	—				
Nairn	1009.5	36.9	42.6	31.8	59	1887	1910	4	1910	18	51	1.99	[1.32]‡				
Aberdeen	1011.1	37.1	42.3	33.4	59	1898	1881	4	1881	18	55	2.18	1.55				
Leith	1012.0	39.2	44.0	34.2	58	1898	1881	9	1881	15	42	1.66	—				
Tynemouth	1013.5	38.5	43.5	33.6	58	1898	1881	6	1881	15	41	1.61	—				
Spurn Head	1014.3	38.3	42.1	34.7	55	1898	1881	13	1881	15	35	1.36	[1.29]¶				
Yarmouth	1015.9	37.8	41.8	33.7	57	1899	1881	10	1881	18	44	1.74	[1.81]§				
Clacton-on-Sea	1016.8	37.7	41.8	33.9	[55]‡	[1914]‡	[18]‡	[1915]‡	[1915]‡	14	34	1.84	1.87				
Nottingham	1015.7	37.1	42.6	32.6	56	1882, 88, 98, 99	1881	2	1881	19	40	1.81	1.10				
LONDON (Kew Obsy.)	1017.5	38.3	43.1	34.6	56	1908, 10, 14	1881	9	1881	16	45	1.76	1.39				
Lerwick	1002.6	39.0	42.1	34.5	53	1910	1895	17	1895	23	80	3.16	—				
Stornoway	1004.0	39.2	44.1	34.2	55	1891	1892	12	1892	22	113	4.46	2.05				
Castlebay (Barra Isd.)	[1005.0]§	[42.7]§	[45.8]§	[38.9]§	[52]§	[1914]§	[27]§	[1912]§	[1912]§	[22]§	[91]§	[3.58]§	[1.76]§				
Eskdalemuir	[1007.6]¶	[35.4]¶	[41.9]¶	[31.6]¶	[51]¶	[1912]¶	[10]¶	[1912]¶	[1912]¶	[22]¶	[183]¶	[7.19]¶	[1.60]¶				
Malin Head	1005.8	40.7	44.6	37.1	59	1891	1895	20	1895	19	61	2.41	—				
Blackod Point	1008.0	42.9	46.7	38.1	61	1891	1912	23	1912	22	103	4.06	—				
Valencia	1010.6	43.5	48.8	39.7	58	1895	1895	21	1895	21	132	5.20	2.48				
Roche's Point	1011.4	42.5	47.8	39.1	56	1889, 1896	1895, 1900, 02, 12	25	1895, 1900, 02, 12	18	91	3.70	—				
Birr Castle	1009.7	39.1	46.7	34.4	60	1912	1895	6	1895	17	58	2.29	2.41				
Donaghadee	1009.4	40.0	45.6	36.1	57	1897, 1901, 11	1895	16	1895	18	58	2.10	—				
Liverpool (Observatory)	1010.7	38.7	44.2	35.6	59	1885, 1898	1895	12	1895	16	42	1.68	[2.66]§				
Holyhead	1010.2	41.9	45.4	38.0	59	1891	1895	17	1895	17	61	2.43	[2.50]¶				
Pembroke (St. Ann's Hd.)	1011.3	42.2	45.6	38.9	56	1903	1895	23	1895	17	—	2.66	2.70				
Scilly (St. Mary's)	1012.8	45.1	48.9	41.7	57	1896, 1899	1895	27	1895	17	65	2.57	3.01				
Falmouth	1013.8	42.6	47.1	39.6	58	1899	1895	22	1895	17	94	3.70	2.98				
Jersey (St. Aubin's)	1015.2	42.4	47.3	38.7	62	1891	1895	18	1895	17	62	2.44	3.30				
Portland Bill	1012.5	42.4	45.6	38.5	[54]†	[1905]†	[24]†	[1912]†	[1912]†	13	49	1.93	—				
Dungeness	1012.9	39.5	44.5	35.2	57	1897	1899	11	1899	15	41	1.60	—				
Dover	[1014.1]§	[39.4]§	[45.6]§	[35.9]§	[56]§	[1913]§	[17]§	[1912]§	[1912]§	[17]§	[43]§	[1.68]§	[1.16]§				
Wick	1003.9	37.8	42.8	32.8	57	1897, 1903	1895	2	1895	19	58	2.27	—				
Nairn	1005.0	36.8	43.9	31.3	64	1891	1895, 97	17	1895, 97	17	46	1.80	[2.59]‡				
Aberdeen	1006.7	37.7	43.2	33.4	64	1897	1895	6	1895	17	52	2.05	2.59				
Leith	1007.2	38.8	45.2	33.8	59	1882	1895, 1912	12	1895, 1912	14	36	1.42	—				
Tynemouth	1008.7	38.5	44.5	33.7	60	1898, 99	1895	7	1895	14	35	1.37	—				
Spurn Head	1010.0	38.7	43.0	35.1	61	1899	1895	20	1895	14	31	1.21	[2.79]¶				
Yarmouth	1012.1	38.1	42.9	34.0	60	1912	1895	15	1895	15	38	1.49	[2.84]§				
Clacton-on-Sea	1012.9	38.1	42.9	34.4	[58]‡	[1903]‡	[18]‡	[1912]‡	[1912]‡	12	32	1.25	2.94				
Nottingham	1011.4	37.6	44.6	33.2	61	1899	1895	2	1895	16	39	1.55	2.06				
LONDON (Kew Obsy.)	1013.5	38.5	45.0	35.1	62	1899	1895	11	1895	13	39	1.54	2.13				
Lerwick	1005.7	38.3	42.9	34.4	57	1893	1891	19	1891	25	80	3.14	—				
Stornoway	1007.4	38.6	45.3	34.4	57	1894, 1907	1881	13	1881	24	104	4.10	3.39				
Castlebay (Barra Isd.)	[1006.7]§	[41.7]§	[45.7]§	[38.5]§	[52]§	[1911]§	[27]§	[1915]§	[1915]§	[22]§	[77]§	[3.02]§	[1.87]§				
Eskdalemuir	[1007.2]¶	[35.2]¶	[44.2]¶	[31.9]¶	[51]¶	[1910, 1915]¶	[16]¶	[1913]¶	[1913]¶	[21]¶	[133]¶	[5.24]¶	[3.10]¶				
Malin Head	1008.2	40.7	46.0	37.7	62	1894	1906	25	1906	21	59	2.32	—				
Blackod Point	1009.8	42.7	47.9	38.6	64	1894, 1899	1895	26	[1891, 1900, 09]	23	104	4.10	—				
Valencia	1011.8	43.4	50.0	39.9	66	1899	1899, 1901	21	1899, 1901	21	115	4.54	3.97				
Roche's Point	1012.2	42.5	49.3	39.2	61	1899	1890	27	1890	18	76	3.01	—				
Birr Castle	1011.0	38.8	49.2	34.6	66	1894	1891	18	1891	18	61	2.40	3.55				
Donaghadee	1010.1	39.9	47.4	36.7	64	1892	1892, 1906	25	1892, 1906	19	56						



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20918. SATURDAY, 1<sup>st</sup> MARCH, 1919.



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

STATIONS.		EVENING OF 27 <sup>th</sup> .....					MORNING OF 28 <sup>th</sup> .....							AFTERNOON 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.	
				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.
		° F.					° F.	° F.					° F.	° F.		° F.	° F.				
RUSSIA.	Svatonos ...						*						*	*							
	Kandalatska ...												*	*							
	Archangel ...												*	*							
	Soroka ...												*	*							
	Algiers ...	1021.2	55	W	4	b	1018.6	0	54	+2	-	0	b	-	61	50					
MEDITERRANEAN.	Malta ...	*	*	*	*	*	1016.2	+3	55	0	NW	3	b	25	61	52					
	Salonica ...																				
	Athens ...	1012.7	52	W	1	b	1010.9	0	48	-4	W	1	c	1	61	48					
	Candia ...	1016.8	54	-	0	b	1016.2	+	52	-5	-	0	b	-	66	48					
	Livassol ...	*	*	*	*	*	1016.6	+1	54	-5	-	0	b	-	64	45					
	Alexandria ...	1020.4	61	WNW	3	b	1022.4	0	59	+5	WSW	2	b	-	78	52					
	Cairo (Helwan) ...	1021.2	61	NW	2	b	1023.1	+3	57	+7	SE	2	b	-	72	50					
	Venice ...	1006.5	45	W	1	o	1008.3	*	43	-2	N	2	c	1	52	41					
	Turin ...	1007.8	45	S	4	b	1010.2	*	41	0	-	0	b	-	54	39					
	Leghorn ...	1006.9	52	ENE	1	bc	1009.1	*	46	-8	NE	2	bc	-	55	41					
ITALY.	Rome ...	1009.5	46	N	1	o	1012.7	*	43	-5	-	0	b	11	57	43					
	Viesti ...	1008.9	54	SW	1	b	1009.3	*	48	-4	NW	1	r	-	57	?					
	Brindisi ...	1008.9	48	S	2	o	1010.1	*	45	+1	S	1	b	1	55	45					
	Cagliari ...	1015.0	59	WNW	4	b	1016.8	*	46	-2	NW	3	b	3	63	45					
	Palermo ...	1014.6	52	W	4	b	1017.6	*	54	-3	-	0	b	9	61	43					
	Tripoli ...	1021.9	52	ESE	1	b	1024.2	*	50	?	-	0	b	-	?	46					
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.																					
Mar. 1 <sup>st</sup> & 2 <sup>nd</sup> 1919.																	Sunrise.	Noon.	Sunset.		
																	G.M.T.	G.M.T.	G.M.T.		
Yarmouth ...																	6.43	12.6	5.29		
Greenwich ...																	6.40	12.5	5.30		
Wick ...																	6.49	12.13	5.37		
Valencia ...																	6.46	12.12	5.38		
																	7.11	12.25	5.39		
																	7.8	12.24	5.40		
																	7.31	12.54	6.1		
																	7.28	12.53	6.1		

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

Mar. 1 <sup>st</sup> & 2 <sup>nd</sup> 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	6.43	12.6	5.2
Greenwich	...	6.40	12.5	5.3
Wick	...	6.49	12.13	5.37
Valencia	...	6.46	12.12	5.3
		7.11	12.25	5.39
		7.8	12.24	5.4
		7.31	12.54	6.1
		7.28	12.53	6.1

LONDON		Humidity.		Sun-shine for		TEMPERATURE.			Rain-fall.			WEATHER.		
March 1 <sup>st</sup> 9h. G.M.T.		7.5 h.	9 h.	28 <sup>th</sup>	28 <sup>th</sup>	Max.	Min.	Min. on Grass.	mm.	Morning.	Afternoon.	Night.		
GREENWICH (Royal Observatory)		83	89	0.0	43	32	24	—	—	0	c	cm-x		
CITY (Beehive Row)		81	88	0.0	44	34	29	—	—	0	c	cm-x		
WESTMINSTER (St. James's Park)		81	88	0.0	44	34	29	—	—	0	c	cm-x		
(Roof of Admiralty Arch)		78	86	0.0	44	36	—	—	—	0m	ogm	o.b. bcx		
CAMDEN SQ. (British Rainfall)		84	86	0.3	44	33	29	—	—	c	c	—		
KENSINGTON PALACE		84	85	0.7	42	34	26	—	—	0	0	—		
RICHMOND PARK		84	85	0.7	42	34	26	—	—	0	0	—		

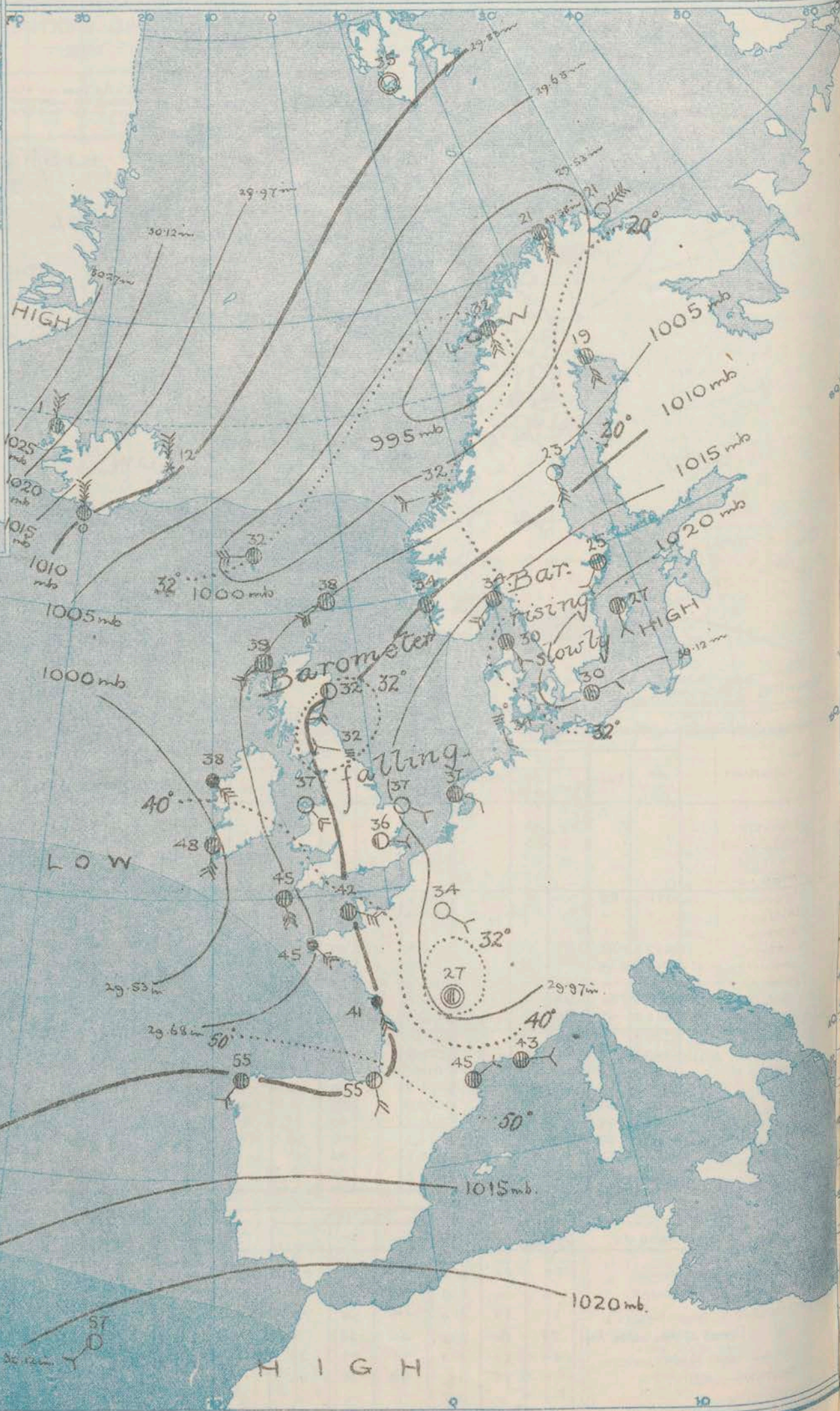
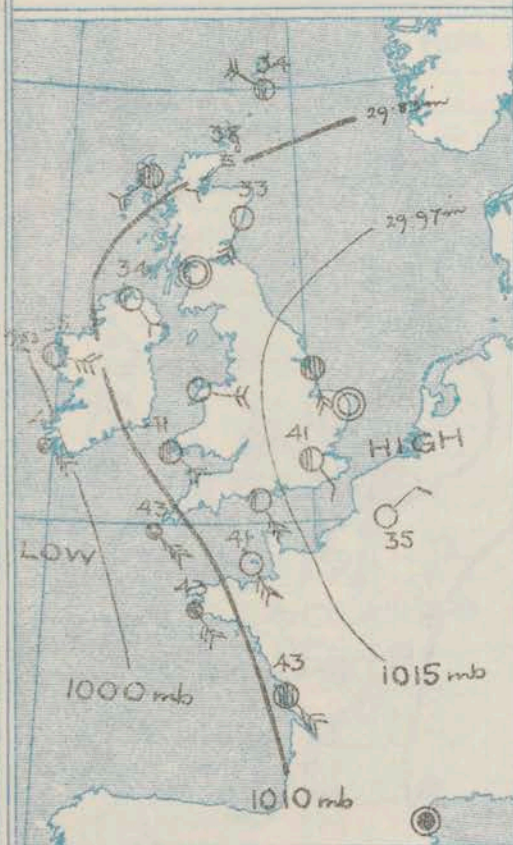
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during Feb 28 <sup>th</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
212	5.5	23

Printed at the Meteorological Office, South Kensington, London, S.W.7.  
 By WILKIN & SONS LTD., Fetter Lane, London, E.C.4, and Reading.  
 NOTE.—The thermometers at Greenwich and Camden Square are in Galsset screens.  
 The barometric change is expressed in half-millibars.



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

THE MORNING OF SATURDAY, 1<sup>st</sup> MARCH, 1919 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.

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, ☁ Rough, ☁ High.

SEA DISTURBANCE.—Rough, High.

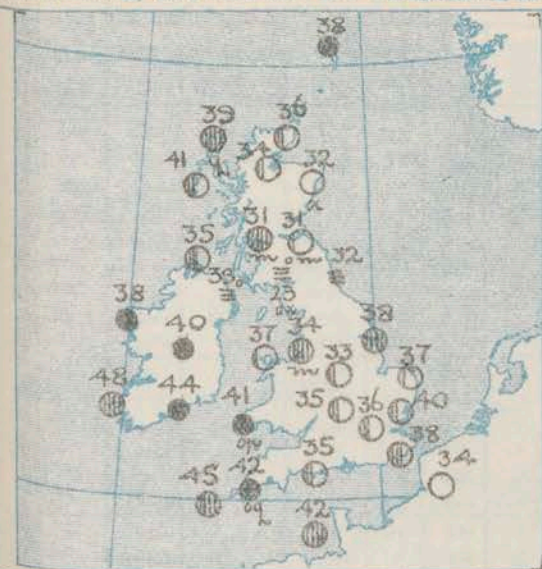
SCALE 1:250,000  
Nautical Miles  
Statute Miles

Normal Temperature of the Sea.

Below 40° 40°-50° 50°-60° Above 60°

Scale of Tints for MARCH.





NOTES.

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

Temperature rose to about 45° over the greater part of the British Isles, but only to 39° at Dungeness and Lerwick. Frost was experienced in various localities, but was generally slight except at Eskdalemuir. Rain fell at some northern and south-western stations, the largest measurement being 6 mm. at Roche's Point. Bright sunshine ranged from more than 8 hours at some north-western and northern stations and 7 hours at Jersey to less than 1 hour at Spurn Head, Clacton-on-Sea and at Kew Observatory.

The Conditions at 7h. Today

The Atlantic depression has spread eastward and northward and is now the main low pressure system in our area. It has caused the wind to increase in force over our western districts and to become S.E. in direction over the Kingdom generally. The fresh to strong S.E. winds in the west are accompanied by much cloud, and by rain in several places. In Eastern Scotland, the English Midlands, and East Anglia the weather is fair to bright. Temperature is as low as 23° at Eskdalemuir and 31° at Leith and Glasgow, but generally it is above the freezing point. At Valencia and Scilly the respective readings are 48° and 45°.

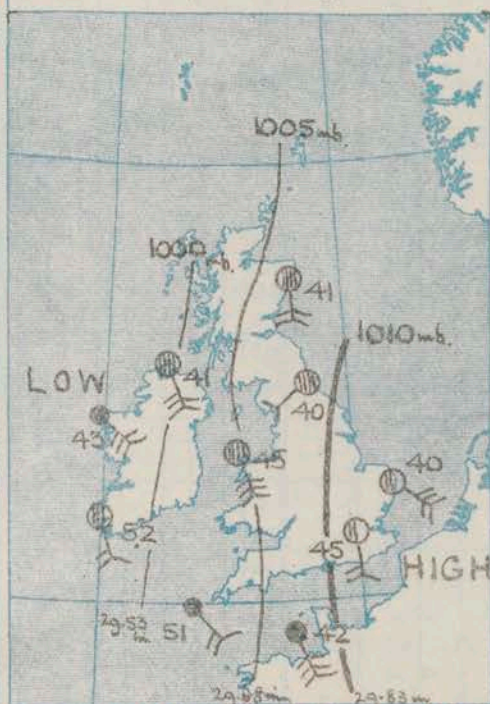
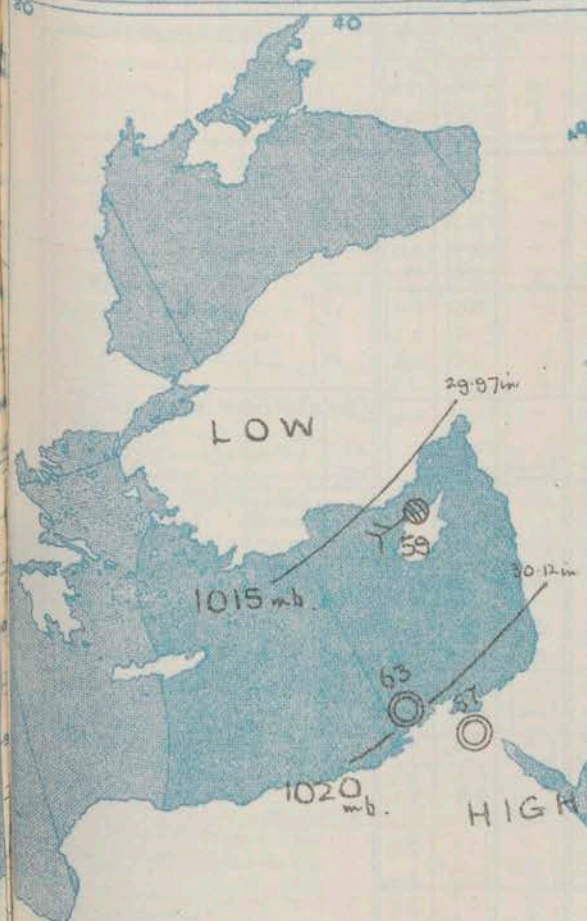
The Outlook

It is probable that the Atlantic depression will move northward and continue to spread eastward for a time, and it is not improbable that eventually it will cause the main wind current over the British Isles to be Southerly to South-Westerly.

RS.

SATURDAY, 1<sup>ST</sup>

MARCH, 1919, at 13h. (1 p.m.) G.M.T.



The barometer has fallen more in the north than elsewhere and the gradient has become more favourable for S.W. winds.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 60.

SATURDAY

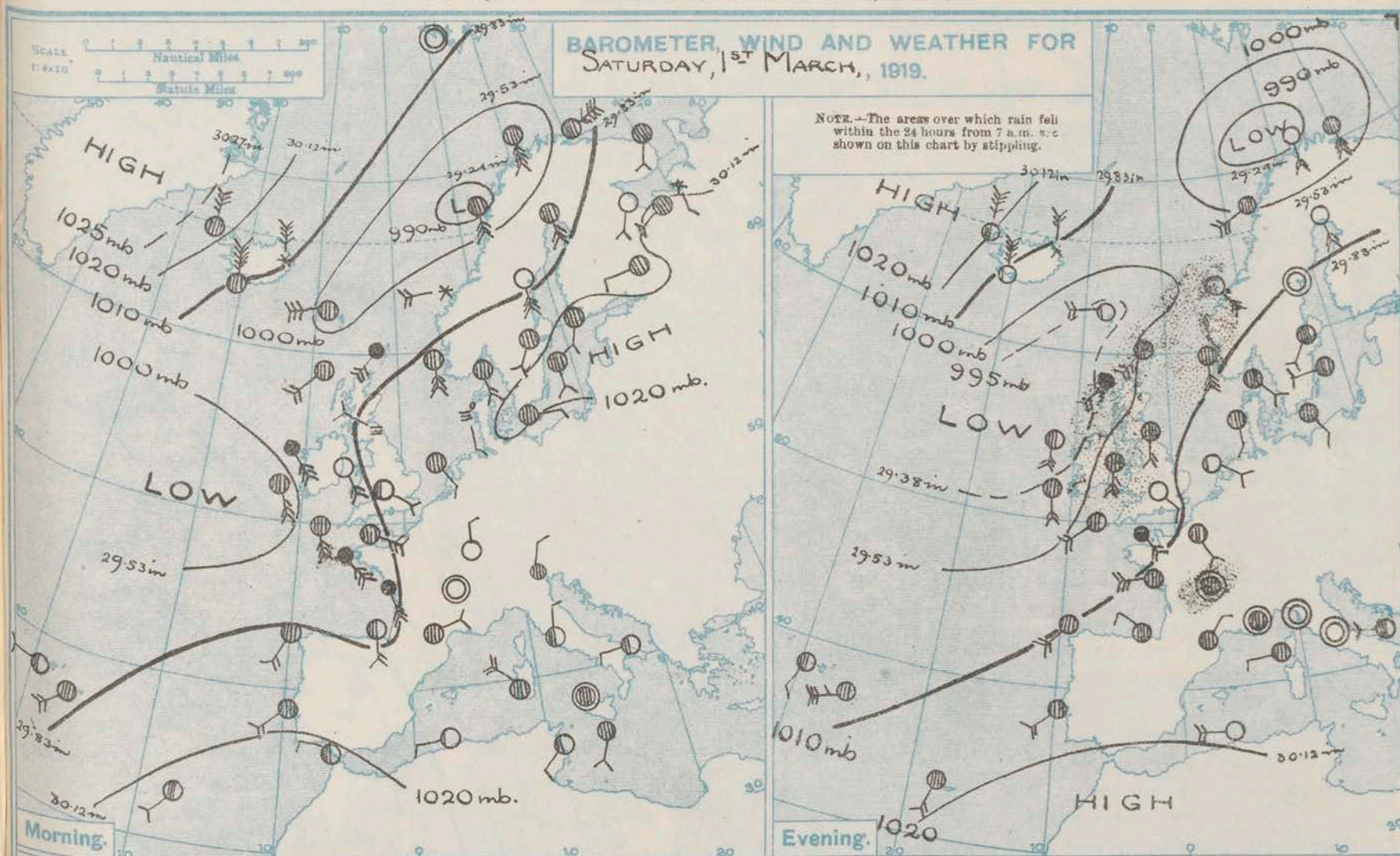
1st MARCH

STATIONS.	EVENING OF... 28th.					MORNING OF... 1st.										24 HOURS ENDED 7 h. 1st.					Sun- shine for 28th	
	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.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER				
			Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1005.5	36	W	5	cmp	1005.0	-1	33	+2	SW	5	-	cp	3	4	39	32	cp	cmp	c	Hours.
	Houton B. (Orkney)	1008.4	36	SW	5	o	1006.4	-2	35	+2	SSW	4	*	o	3	*	41	38	p	prs	cmp, prh	*
	Stornoway	1009.2	41	WSW	2	c	1005.0	-2	39	+2	SW	4	-	ag	3	3	45	35	op, c	c	ag	3.1
	Castledyke (Barra)	1010.9	42	NW	2	bcp	1006.6	-2	41	+1	SSE	4	-	bc	4	2	45	40	op, b	b, op, bc	b, op, bc	6.0
	Glasgow	1013.8	39	SW	2	cm	1010.3	-3	31	+3	ESE	1	-	om	*	-	42	27	bf, fom	oc, bom	b, omz	2.1
	Esksdalemuir	1015.1	32	-	0	b	1010.9	-3	23	+4	-	0	-	omx	*	-	40	19	bx, b, f	b, b, c	of, omz	6.3
	Malin Head	1012.6	42	SW	1	bcr	1005.1	-5	35	+14	SSE	3	-	omx	3	-	46	33	bcr	bcr	cg	7.6
	Blackrock Point	1011.1	39	SE	2	bcr	1001.2	-7	33	0	SE	6	-	omr	4	-	45	35	bcr	bcr	bem, ogm	*
	Valencia (Cahirciveen)	1008.3	43	E	3	ov	998.3	-1	43	+11	SSE	5	-	om	3	0.4	48	36	b, bc, ov	ov	ov, po	1.4
	Roche's Point	1011.7	43	ESE	5	o	1001.9	-1	44	+13	ESE	6	-	r	6	6	45	31	b, bc, o	o	ot	*
	Birr Castle	1012.0	39	E	1	o	1002.9	*	40	+16	E	2	-	r	*	1	45	23	x, f, bc	bc, c, o	o, or	5.8
	Donaghadee	1013.7	39	S	2	bz	1008.0	-2	39	+8	S	3	-	ogm	2	-	47	31	bm	bz	b, omz	*
	Liverpool (Bidston)	1014.9	39	ENE	1	m	1010.1	-3	34	-1	ESE	3	-	om	3	-	42	33	b	bm	bm, ox	8.1
	Holyhead	1014.4	41	E	2	bz	1008.0	-3	37	+4	SE	4	-	bm	2	-	47	32	b, bc, c	c, bc, b	b, omz	8.8
	Penbroke (St. Ann's)	1014.6	40	ESE	2	o	1006.6	?	41	+5	SE	4	-	op	4	Trace	44	35	b	bc, o	oc, b, g	7.0
	Scilly (St. Mary's)	1012.2	44	SE	5	c	1003.8	-5	45	+6	SE	6	SE	o	6	3	46	39	c	c	ot	2.5
	Falmouth	1013.3	43	SE	4	og	1005.7	-3	42	+10	SE	5	-	og	3	3	45	31	bm, omz	og	oc, og	4.9
	Jersey (St. Aubin)	1015.3	43	E	2	o	1009.1	-1	42	+5	ESE	5	-	o	4	-	47	35	b	b, o	om, bo	7.0
	Portland Bill	1015.1	42	ESE	3	bc	1009.6	-3	35	0	SE	5	-	bc	5	-	45	35	b	b	bc	*
	Dungeness	1016.4	42	ENE	2	c	1014.3	+1	38	-1	SE	3	SE	c	3	-	43	37	c, o, c	c	c, b, bc	*
NORTHERN EUROPE, ICELAND, &c.	Wick	1009.0	38	WSW	3	bc	1006.1	-3	36	+2	SSW	3	-	bc	3	0.3	45	34	bc	bc	om, bc	*
	Nairn	1009.6	38	-	0	bc	1007.5	*	34	+6	-	0	-	bc	0	-	44	28	bc	bc	b, ex	8.3
	Aberdeen	1011.9	39	SSW	1	bz	1009.6	-2	32	+3	SSW	3	-	bz, x	2	-	45	28	bz, by	by, bz	bz, x	8.4
	Leith	1013.6	38	SW	1	bc	1010.4	-1	31	+1	SSE	1	-	bm	1	-	44	29	bz, bc, c	c, b, c, b	b, b, m	*
	Tynemouth	1014.1	39	NW	2	bem	1011.9	-1	32	-1	NW	2	-	f	3	-	44	32	bm	bem	f	*
	Spurn Head	1016.2	40	SE	2	c	1014.4	-1	38	-1	SSE	3	-	o	3	Trace	42	36	cm	cm	c, o	0.7
	Yarmouth (Gorleston)	1016.9	39	ENE	2	bc	1015.7	-2	37	-2	ESE	2	-	bm, x	2	-	43	32	om, bc	bc	b, b, m	3.7
	Clacton-on-Sea	1017.0	40	ESE	2	o	1015.1	-2	40	+1	SE	4	S	bc	3	-	43	38	og	og, c, o	og, b, ex	0.2
	Nottingham	1015.9	38	S	1	bm	1013.5	*	33	-2	SE	1	S	bc	*	-	47	32	bc, g, m	bc, bm	bc	1.4
	Benson (Oxon.)	1015.9	40	E	1	o	1012.3	-1	35	+4	ESE	4	-	bc	*	-	45	30	bem	bc, c	o, bem	*
St. Farnborough	*	*	E	2	cm	1013.3	-1	35	0	SE	2	-	om	*	Trace	46	33	om, bom	o, c, o, m	om	2.1	
London (Kew Obs.)	1016.7	40	E	1	om	1013.7	-1	36	-2	ESE	2	-	bem, x	*	-	44	33	om, c, o	om, c, om	om, bem	0.4	
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	1.5-3.3																			
	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	24.5-28.3																				
11	64-75	28.5-33.5																				
12	Above 75	33.6 or above																				
FRANCE, &c.	The Helder	1016.6	37	N	2	o	1017.5	0	37	+1	ESE	1	-	o	0	-	37	36	*	*	*	*
	Brussels													*	Trace	?	?	*	*	*	*	
	Coblentz						1018.4	0	36	-	0	-	o	*	*	*	*	*	*	*	*	
	C. Gris Nez	1018.0	39	ENE	2	c	1013.3	-2	32	-7	SE	3	E	bc	2	3	43	32	*	*	*	*
	La Hève													*	*	*	*	*	*	*	*	
	Cherbourg						1011.4	-1	41	-	SE	4	-	o	3	-	45	39	*	*	*	*
	Brest (St. Mathieu)						1003.8	-1	45	+4	SE	6	-	r	3	6	46	41	*	*	*	*
	Rennes						?	-3	39	-	SE	4	-	c	-	-	?	?	*	*	*	*
	Rochefort (Ile d'Als)	1015.7	46	SE	3	bc	1010.0	-3	41	+4	SSE	5	-	r	2	2	54	37	*	*	*	*
	Biarritz	1012.6	50	E	3	r	1009.9	-	55	+10	S	3	SW	c	1	2	57	43	*	*	*	*
	Paris	1017.6	41	NNW	1	o	1015.5	-1	34	0	ESE	2	-	b	*	-	46	30	*	*	*	*
	Strasbourg						1018.3	0	34	-	0	-	c	*	Trace	45	32	*	*	*	*	
IBERIA, &c.	Besancon						1017.0	-	28	-	N	1	W	b	*	2	43	25	*	*	*	*
	Clermont						1015.1	-2	27	-	0	-	c	*	-	46	27	*	*	*	*	
	Limoges						1012.7	0	36	-	SW	1	SW	o	*	-	48	32	*	*	*	*
	Nice													*	*	*	*	*	*	*	*	
	Sicily						1013.5	+1	43	-	E	2	-	o	2	-	52	39	*	*	*	*
	Perpignan	1016.8	46	-	0	b	1014.4	0	45	+9	ENE	2	-	o	6	4	59	32	*	*	*	*
	Corunna	1009.5	55	SSW	5	o	1010.3	+5	55	-	SW	3	-	o	2	9	57	54	*	*	*	*
	Madrid													*	*	*	*	*	*	*	*	
Lisbon													*	*	*	*	*	*	*	*		
Azores (Horta)	1004.0	*	-	0	r	1009.1	+1	55	-2	WSW	4	*	o	5	1	63	55	*	*	*	*	
„ (P. Delgada)	*	*	-	0	r								*	*	*	*	*	*	*	*	*	
Madeira	1021.5	63	SW	3	bc	1021.5	-1	57	+2	SW	2	-	b	2	-	63	55	*	*	*	*	
Gibraltar													*	*	*	*	*	*	*	*	*	



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,919. SUNDAY, 2<sup>ND</sup> MARCH, 1919.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 1<sup>ST</sup> MARCH.

STATIONS.		EVENING OF 28 <sup>TH</sup> FEB.					MORNING OF 1 <sup>ST</sup>										AFTERNOON OF 1 <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.	
				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.	Sviatonos ...								*					*	*			2	-3	N	9	0	
	Kandalatska ...													*	*					N	8	60	
	Archangel ...						1019.3	+1	1+	+13	SSW	1	5	1	*	*							
	Soroka ...														*	*							
MEDITERRANEAN.	Algiers ...	1016.6	55	-	0	b	1017.7	+2	54	0	W	1	b	-	63	52							
	Malta ...	*	*	*	*	*	1012.2	0	59	+4	SW	2	0	-	61	64							
	Salonica ...																						
	Athens ...	1015.8	52	NNW	1	b	1016.3	0	48	0	NE	1	c	-	57	48							
	Candia ...	1015.3	56	-	0	b	1019.4	?	52	0	-	0	0	-	66	48							
	Limassol ...	*	*	*	*	*	1016.9	0	59	+5	W	3	c	7	64	55							
	Alexandria ...	1020.3	66	-	0	b	1019.9	+2	63	+4	-	0	b	-	73	55							
ITALY.	Cairo (Helwan) ...	1021.2	66	-	0	b	1021.1	+2	57	0	-	0	b	-	75	55	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Venice ...	1012.5	43	NNE	2	+	1016.3	*	43	0	NNE	1	0	8	45	39	2 <sup>ND</sup> AND 3 <sup>RD</sup> MARCH 1919.		Sunrise.	Noon.	Sunset.		
	Turin ...																						
	Leghorn ...	1009.0	58	W	1	b	1015.4	*	45	-1	E	1	b	-	55	41		G.M.T.	G.M.T.	G.M.T.			
	Rome ...	1012.6	48	SW	1	bc	1016.3	*	37	-6	N	1	c	Trace	55	37		6.40	12.5	5.30			
	Viesti ...																	6.38	12.5	5.32			
	Brindisi ...																						
	Cagliari ...	1014.6	48	SW	1	b	1012.6	*	48	+3	W	1	b	-	55	45		6.46	12.12	5.38			
	Palermo ...	1016.5	57	NW	4	0	1015.4	*	45	-1	NW	4	0	0	59	39		6.44	12.12	5.40			
	Tripoli ...	1017.0	52	SW	4	0	1015.4	*	52	-2	-	0	0	0	57	45		7.8	12.24	5.41			
																		7.5	12.24	5.43			
																		7.28	12.53	6.18			
																		7.26	12.53	6.20			

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

2 <sup>ND</sup> AND 3 <sup>RD</sup> MARCH 1919.		Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6.40	12.5	5.30	
	6.38	12.5	5.32	
Greenwich	6.46	12.12	5.38	
	6.44	12.12	5.40	
Wick	7.8	12.24	5.41	
	7.5	12.24	5.43	
Valencia	7.28	12.53	6.18	
	7.26	12.53	6.20	

LONDON		HUMIDITY.		Sun-shine for 1 <sup>ST</sup>	TEMPERATURE.			Rain-fall.	WEATHER.		
1 <sup>ST</sup>	2 <sup>ND</sup>	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
2 <sup>ND</sup> MARCH 9h. G.M.T.											
GREENWICH (Royal Observatory)	61	93	5.4	48	37	28	-	-	b. bc.	b. bc.	b. o.
CITY (Bunhill Row)	*	*	*	*	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	93	95	48	38	32	-	-	-	*	*	*
(Roof of Admiralty Arch)	58	93	3.5	48	39	*	-	-	bc. m.	bc. m.	bc. od.
CAMDEN SQ. (British Rainfall)	72	92	3.9	57	43	38	-	-	bc.	bc.	*
KENSINGTON PALACE	*	92	*	48	38	31	-	-	b. bc.	bc. b.	*
RICHMOND PARK	*	*	5.1	*	*	*	*	*	*	*	*

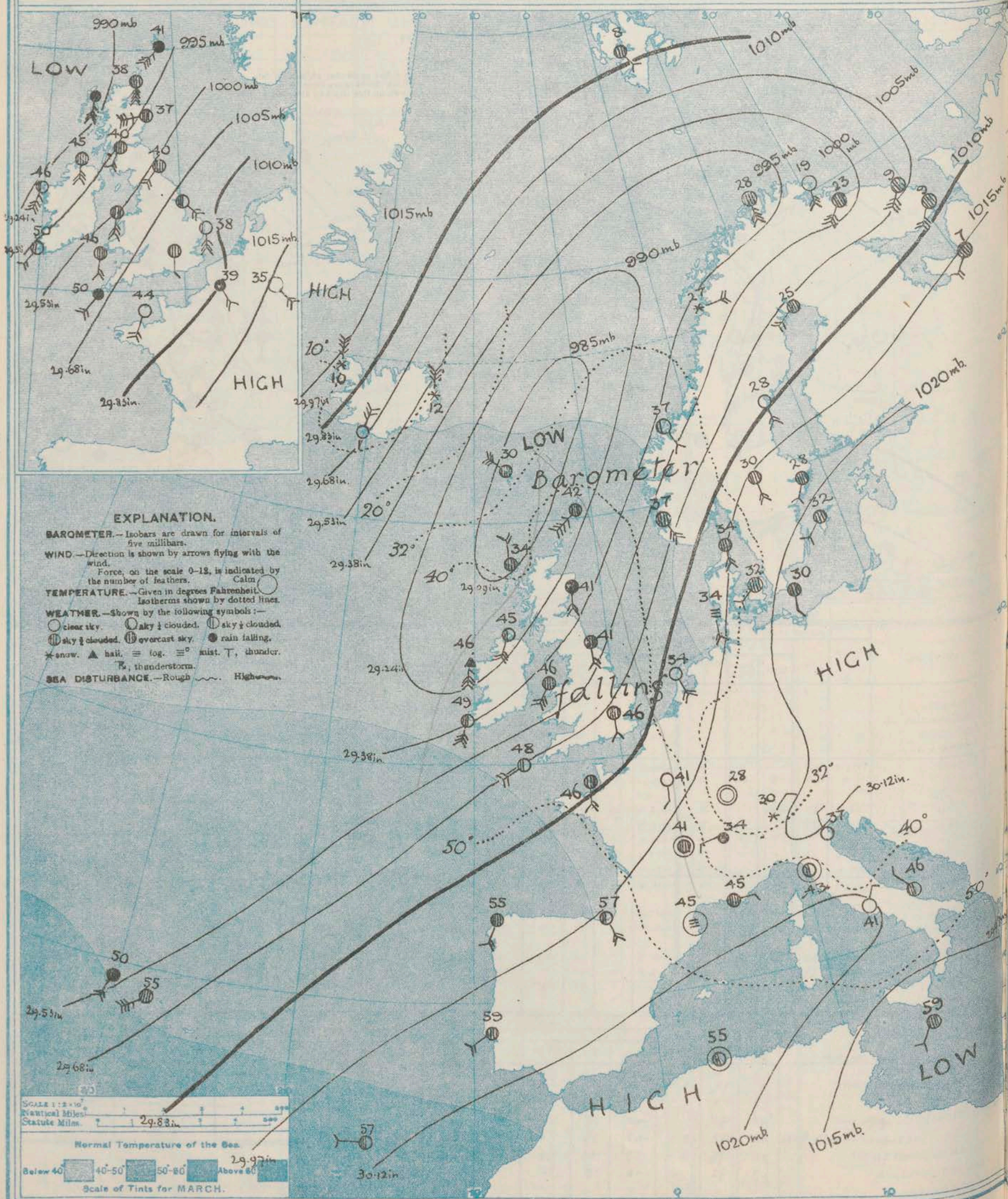
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 1 <sup>ST</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
649	16.7	40



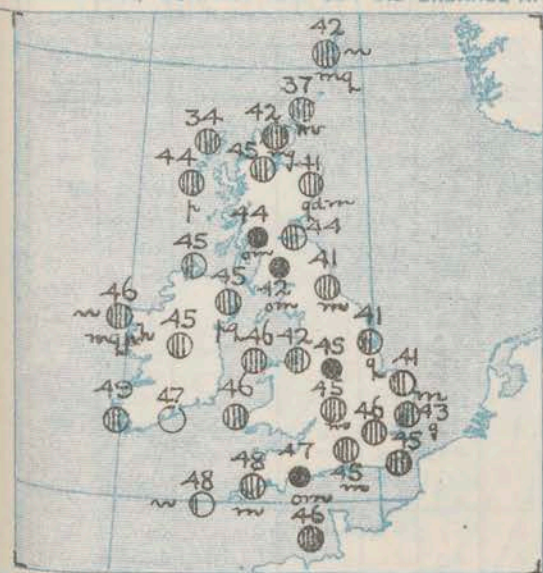
2<sup>ND</sup> MAR, at 1h. G.M.T.

THE MORNING OF SUNDAY 2<sup>ND</sup>

MARCH, 1919 at 7h. G.M.T.







## NOTES.

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

Temperature exceeded  $45^{\circ}$  in many parts of England and Ireland and reached  $51^{\circ}$  at Scilly and  $53^{\circ}$  at Valencia. In Scotland the readings were lower and at Houton Bay only  $39^{\circ}$ . Rain in very variable amounts fell over most parts of the British Isles, except locally in the east and south-east of England, where the day was fair, and the amounts of bright sunshine fairly large. The largest reported was 6.2 hours at Clacton-on-Sea. Elsewhere there was little or none.

## The Conditions at 7h. Today

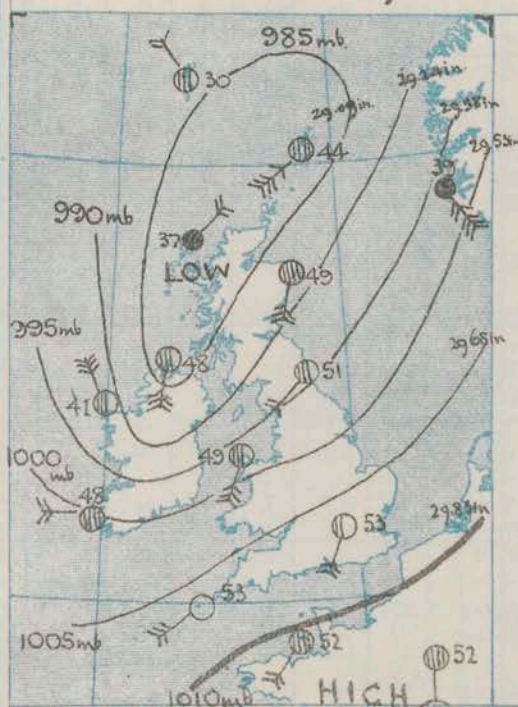
The Atlantic depression observed yesterday extended steadily as it moved north-eastward and now, with its minimum off the north-west of Scotland, embraces the whole of the British Isles and a large portion of the surrounding area. Pressure is highest over Germany and the Baltic and relatively high thence to Spain and Madeira. The wind has become Southerly over the United Kingdom and the North Sea and blows a strong breeze on exposed parts of the Irish coast and a gale in Orkney and Shetland. In Iceland to the north-westward of the minimum pressure the wind is strong to a gale from the N., with an extremely low temperature and snow. The sky is overcast in nearly all parts of these Islands, with rain in a few places; many stations report mist.

## The Subsequent Changes.

During the morning the pressure changes were very rapid in the north-west of Ireland - at first downward and then upward, and by 13h. a well defined depression centre was shown over the Minch, while the wind at Blacksod Point had shifted to NW. and at Stornoway to NE.

Sunday, 2nd.

MARCH, 1919, at 13h. (1p.m.) G.M.T.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 61...

SUNDAY  
2nd MARCH

STATIONS.		EVENING OF... 1st...					MORNING OF... 2nd...					24 HOURS ENDED 7 h. 2nd...										Sun- shine for 1st
		Barom. Milli- bars at M.S.L.	TEMP. F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		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 ...	1000.6	40	SW	5	cm	987.5	-3	42	SW	8	omg	6	?	?	?	cp	cp	omgr	Hours.		
	Houton B. (Orkney) ...	996.1	35	SSW	7	prh	985.5	-5	37	S	8	o	6	*	39	34	c.o	c.o, om	pf	*		
	Stornoway ...	995.9	39	SSW	4	or	984.6	-2	34	N	4	o	4	39	44	33	o	or	orsq	0.0		
	Castlebay (Barra Isd.) ...	995.0	42	SSE	5	r	984.1	-1	44	SW	3	op	4	5	47	40	bc, ofm	ofmr	ro, rps	0.1		
	Glasgow ...	1002.4	39	SSE	3	od	992.2	-4	44	SSW	3	omd	*	2	44	30	om	omg	odmp	0.0		
	Eskdalemuir ...	1004.1	37	S	4	orm	994.1	-6	42	S	6	E	om	*	7	42	23	omxcl	oz, om	om	1.7	
	Malin Head ...	994.4	43	SSE	5	cg	987.2	-3	45	SSW	5	tern	4	0.3	46	35	cg	cg	cmg	0.5		
	Blacksod Point ...	994.3	46	S	5	omg	986.4	-4	46	S	7	omg	5	2	48	36	cg	cmg	ogm	*		
	Valencia (Cahircivern) ...	997.0	49	SSE	4	o	995.7	-3	49	SSW	6	z	4	3	53	48	op, c	op, d	op, b	1.7		
	Roche's Point ...	1000.0	46	SW	1	om	999.4	0	47	WSW	4	b	4	6	48	44	ardm	dom	om, b	*		
	Birr Castle ...	997.8	46	S	2	r	995.1	*	45	S	3	c	*	2	47	40	or	or, od	od, c	0.0		
	Donaghadee ...	1001.0	43	SSW	4	ompg	993.2	-2	45	SSW	4	ompg	4	2	45	38	ogm	ompg	ompg	*		
	Liverpool (Bidston) ...	1004.5	42	SE	4	o	999.1	-1	42	ESE	3	S	2	44	34	-	om	o	o	0.0		
	Holyhead ...	1002.3	45	S	5	og	997.4	0	46	SSW	5	og	4	1	47	36	cg	og	ogpda	0.0		
	Pembroke (St. Ann's) ...	1002.7	43	SE	4	o	1001.8	?	46	SW	4	o	4	1	47	41	cg	od	ogpda	0.0		
	Scilly (St. Mary's) ...	1002.9	49	WSW	4	c	1005.2	+1	48	SW	4	SW	5	2	51	45	omp	omp, c	om, c, bc	2.0		
	Falmouth ...	1003.5	48	SW	4	om	1005.7	+1	48	SW	2	om	*	4	49	41	or, od	ferm	bc, om	0.0		
	Jersey (St. Aubin) ...	1007.2	45	SE	4	od	1008.8	0	46	S	3	oe	3	1	46	42	o, c, op	op, opd	od, oe	0.0		
	Portland Bill ...	1006.6	44	SSE	4	or	1006.0	0	47	SSW	4	omr	4	2	47	35	bc, c	cb	c, om	*		
	Dunegness ...	1009.7	44	ESE	3	b	1008.1	-1	45	SW	4	o	3	-	45	37	c, b	b	bc, c, p	*		
	Wick ...	999.9	39	SSW	4	omr	986.7	-5	42	S	4	omg	5	1	42	34	bc, o	om	omg, b	*		
	Nairn ...	998.9	39	SW	1	om	986.3	*	45	WSW	3	cg	2	0.2	45	33	bc, em	cg	oc, g	1.0		
	Aberdeen ...	1002.9	41	SSE	4	ogq	991.7	-4	41	S	4	ogdm	3	0.4	42	32	bc, oz	oz, g	ogdm	0.1		
	Leith ...	1003.0	40	SE	1	o	992.1	-2	44	S	3	c	3	-	45	31	bm, cp	o	og, auc	*		
	Tynemouth ...	1005.3	41	S	3	om	996.3	-5	41	S	3	om	4	-	42	32	om	om	om	*		
	Spurn Head ...	1009.4	40	SE	4	o	1002.7	-2	41	S	4	cg	4	1	41	37	c	c, o	cg, b	0.0		
	Yarmouth (Gorleston) ...	1012.1	39	SSE	5	cmg	1007.7	-1	41	SSW	5	cm	4	-	41	37	bm, bc	bc, cm	em, bme	3.1		
	Clacton-on-Sea ...	1011.1	40	SE	4	c	1007.8	-1	43	S	3	og	2	-	43	38	bc	bc, cm	cm, bog	6.2		
	Nottingham ...	1008.0	43	SSE	3	c	1002.4	*	45	S	2	S	or	*	0.2	46	33	bc	bc, c	c, o	3.4	
	Benson (Oxon.) ...	1008.5	41	SE	3	bc	1005.1	-2	45	ENE	3	om	*	-	46	34	bc	bc	b, o	*		
	Sth Farnborough ...	1008.5	41	ESE	3	c	1007.1	-0	45	SW	4	om	*	0.2	47	34	om, c	c, bc, c	bc, ord, om	2.0		
	London (Kew Obsv.) ...	1009.2	43	SE	1	om	1008.7	0	46	S	2	o	*	-	48	36	bm, bc	bc, c, o	bc, b, c	3.3		
NORTHERN EUROPE, ICELAND, &c.	Isafjord ...	1021.0	1	N	8	c	1014.6	-2	10	N	8	S	*	*	*	*	THE BEAUFORT SCALE OF WIND FORCE.					
	Reykjavik ...	1013.7	7	N	8	c	1008.7	-1	5	N	7	c	*	*	*	*						
	Vestmanna ...	1006.7	8	N	9	b	1001.9	-2	1	NNE	5	b	1	*	*	*	Limits of Velocity.					
	Seydisfjord ...	1009.9	9	N	8	s	998.7	-9	12	N	6	S	*	*	*	*						
	Thorshavn ...	993.0	31	W	4	o	983.1	0	30	NW	6	o	*	*	*	*	No.	Statute miles per hour.	Metres per second.			
	Spitsbergen ...	1007.1	35	-	0	b	1013.0	-2	-8	SE	2	o	*	*	*	-8?						
	Vardö ...	997.5	25	S	6	o	995.7	0	19	S	6	b	4	*	25	18	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.					
	Gjesvær ...	989.5	23	S	4	b	991.1	*	28	S	7	o	4	-	28	19						
	Bodö ...	999.7	32	SW	5	o	997.7	-5	27	E	4	S	2	?	32	25						
	Christiansund ...	1003.8	37	SE	4	b	995.0	-5	37	SE	2	bc	3	7	37	32						
	Skudesnaes ...	1009.5	37	S	6	o	1004.0	-4	37	SE	5	o	7	3	37	34						
	Færder (X'antla Fjord) ...	1016.4	34	SSW	5	b	1012.6	-2	34	S	6	o	3	-	34	32						
Haparanda ...	1007.1	18	S	4	b	1005.6	-1	25	SW	4	o	0	-	25	18							
Hernösand ...	1011.5	30	-	0	b	1009.2	-1	28	S	4	b	0	-	32	21							
Stockholm ...	1019.1	28	SSW	2	o	1019.1	0	28	SSW	2	o	0	-	32	25							
Wisby ...	1022.4	28	W	2	o	1022.1	0	32	SW	2	o	2	-	32	27							
Karlstad ...	1018.4	30	-	0	o	1016.8	0	30	S	4	o	*	-	32	28							
The Scaw (Skagen) ...	1019.3	32	SE	2	o	1015.3	-4	34	S	4	o	4	-	34?	28							
Blaavands Huk ...	1018.4	34	S	1	o	1014.1	-2	34	S	3	m	*	-	34	30							
Copenhagen ...	1021.9	32	SW	1	o	1020.4	0	32	WSW	2	o	*	-	32	30							
Bornholm ...	1021.6	32	SSE	1	o	1021.6	0	30	S	1	o	0	-	32	28							
FRANCE, &c.	The Helder ...	1014.9	37	ESE	2	b	1010.9	-1	34	SSE	4	NW	b	1	-	41	33					
	Brussels ...	1017.3	39	SE	1	b	1017.2	0	30	SSE	1	b	*	-	?	?						
	Coblentz ...	1017.3	39	SE	1	b	1017.2	0	30	SSE	1	b	*	-	?	?						
	C. Gris Nez ...	1010.9	43	SE	3	b	1009.5	0	43	SSW	4	S	3	-	46	32						
	La Hève ...	1009.9	45	SE	4	o	1010.6	-1	45	S	3	S	3	Trace	48	37						
	Cherbourg ...	1006.7	48	WSW	3	c	1008.8	0	46	S	4	o	3	?	50	39						
	Brest (St. Mathieu) ...	1006.7	48	WSW	3	c	1008.8	0	46	S	4	o	3	?	50	39						
	Rennes ...	1008.6	45	SE	2	o	1004.3	0	48	S	2	f	-	-	48	37						
	Rochefort (Ile d'Aix) ...	1011.0	50	W	5	o	1015.3	+2	57	SSE	3	SW	bc	2	Trace	61	52					
	Biarritz ...	1012.8	54	NW	1	o	1015.3	+2	57	SSE	3	SW	bc	2	Trace	61	52					
IBERIA, &c.	Paris ...	1012.2	43	SSE	2	o	1013.0	+2	41	S	1	b	*	-	50	34						
	Strasbourg ...	1015.4	43	SE	1	b	1017.2	+1	28	-	0	b	*	-	48	27						
	Besancon ...	1017.0	-	-	0	o	1017.0	-	39	SW	2	o	*	2	50	28						
	Clermont ...	1013.2	43	-	0	o	1016.4	+2	41	-	0	o	*	1	46	27						
	Limoges ...	1011.8	?	SW	4	?	1014.0	+2	46	SW	1	NE	o	*	6	45	39					
	Nice ...	1015.5	46	-	0	o	1019.0	+2	45	E	1	W	o	3	Trace	52	43					
	Sicily ...	1016.4	45	NE	1	o	1019.3	+2	45	-	0	f	-	-	46	43						
	Perpignan ...	1016.4	45	NE	1	o	1019.3	+2	45	-	0	f	-	-	46	43						
	Corunna ...	1010.6	59	SSW	4	o	1013.1	+1	55	SSW	3	o	3	3	61	55						
	Madrid ...	1017.7	61	SW	3	o	1018.6	-1	59	WSW	3	o	6	1	61	57						
Lisbon ...	1004.4	*	SW	1	c	1001.9	+1	55	WSW	7	o	-	10	63	54							
Azores (Horta) ...	1019.5	63	SW	3	4	1019.4	-2	57	W	2	N	c	-	64	55							
„ (P. Delgada) ...																						
Madeira ...																						
Gibraltar ...																						

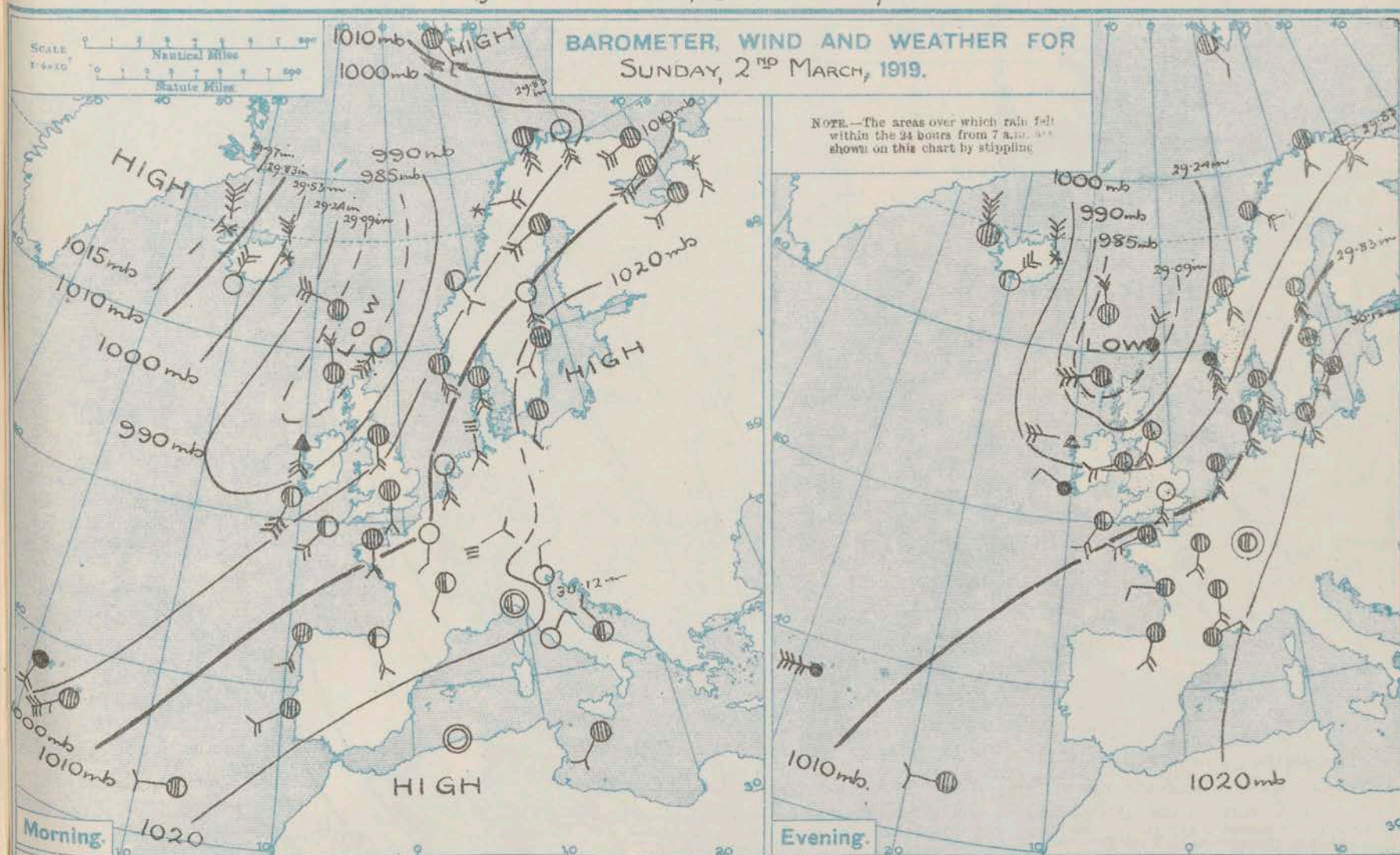


# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,920.

MONDAY, 3<sup>RD</sup> MARCH, 1919.

## BAROMETER, WIND AND WEATHER FOR SUNDAY, 2<sup>ND</sup> MARCH, 1919.



### WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 2<sup>ND</sup> MARCH

STATIONS.	EVENING OF 1 <sup>ST</sup>				MORNING OF 2 <sup>ND</sup>				AFTERNOON OF 2 <sup>ND</sup>			
	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12.	Barom. Millibars at M.S.L.	Change in 8 hours.	Temp. °F.	Change in 24 hours.	Wind Direc.	Force 0-12.	Weather.	Rain-fall, Millimetres.
RUSSIA.												
Sviatonos ...												
Kandalatska ...												
Archangel ...					1016.3	+1	7	-7	WSW	3	0	-
Soroka ...												
MEDITERRANEAN.												
Algiers ...	1019.4	57	WNW	4	1021.2	+3	58	+1	-	0	bc	-
Malta ...	*	*	*	*	1012.2	0	59	0	SE	2	0	-
Salonica ...												
Athens ...												
Candia ...												
Limassol ...	*	*	*	*	1016.0	0	52	-7	WNW	2	0	-
Alexandria ...	1018.1	61	-	0	1016.4	0	57	-6	-	0	c	-
Cairo (Helwan) ...	1018.1	68	NE	3	1016.2	0	55	-2	-	0	b	-
ITALY.												
Venice ...	1014.5	43	-	0	1019.7	*	37	-6	-	0	b	-
Turin ...												
Leghorn ...	1014.9	48	-	0	1016.2	*	43	-2	-	0	bc	-
Rome ...	1017.7	46	-	0	1020.2	*	41	+4	NE	1	b	-
Viesti ...	1013.8	46	NW	2	1017.3	*	46		NW	1	c	2
Brindisi ...												
Cagliari ...												
Palermo ...	1015.9	52	WSW	1								
Tripoli ...	1018.6	57	NW	1								

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

3 <sup>RD</sup> AND 4 <sup>TH</sup> MARCH 1919.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.35	12.5	5.32
Greenwich ...	6.36	12.5	5.29
Wick ...	6.44	12.12	5.40
Valencia ...	7.5	12.24	5.43
	7.3	12.24	5.48
	7.26	12.33	6.20
	7.24	12.53	6.22

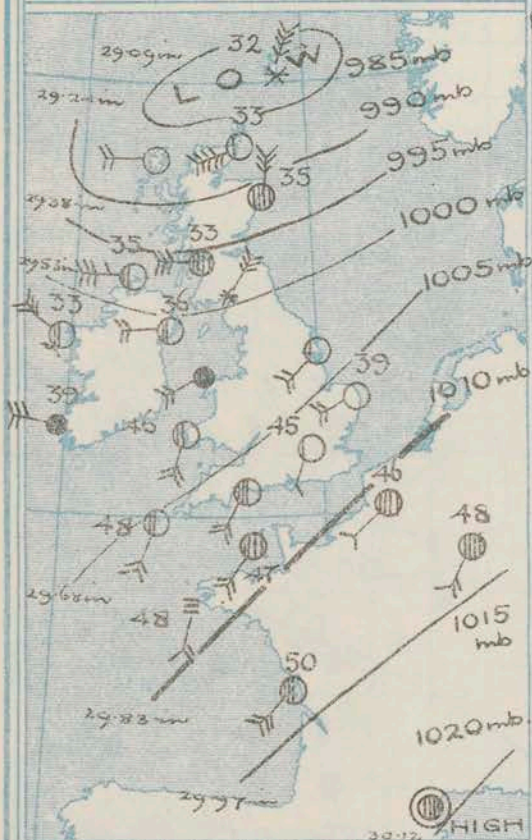
LONDON	HUMIDITY.		Sun-shine for 2 <sup>ND</sup> Hours.	TEMPERATURE.			Rain-fall, mm.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
3 <sup>RD</sup> MARCH 9h. G.M.T.										
GREENWICH (Royal Observatory)	64	85	5.1	56	42	34	0.3	st. o.	b.	b. o.c.
CITY (Bunhill Row)	*	*		*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	87	87		57	44	36	-	*	*	*
(Roof of Admiralty Arch)	60	79	4.4	56	44	*	-	opd	bc. b.	b. bc. od.
CAMDEN SQ. (British Rainfall)	*	84	3.4	57	43	38	-	?	?	*
RENSINGTON PALACE	*	84	*	56	43	36	-	od. bc.	b.	*
RICHMOND PARK	*	*		*	*	*	*	*	*	*

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.
597	15.3	44



3<sup>RD</sup> MAR, at 1h. G.M.T.

THE MORNING OF MONDAY, 3<sup>RD</sup> MARCH, 1919 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.

Isobars shown by dotted lines.

WEATHER.—Shown by the following symbols:—

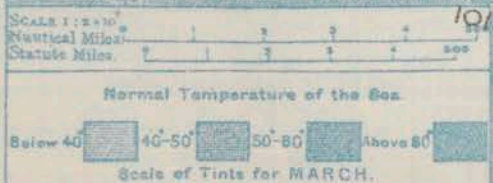
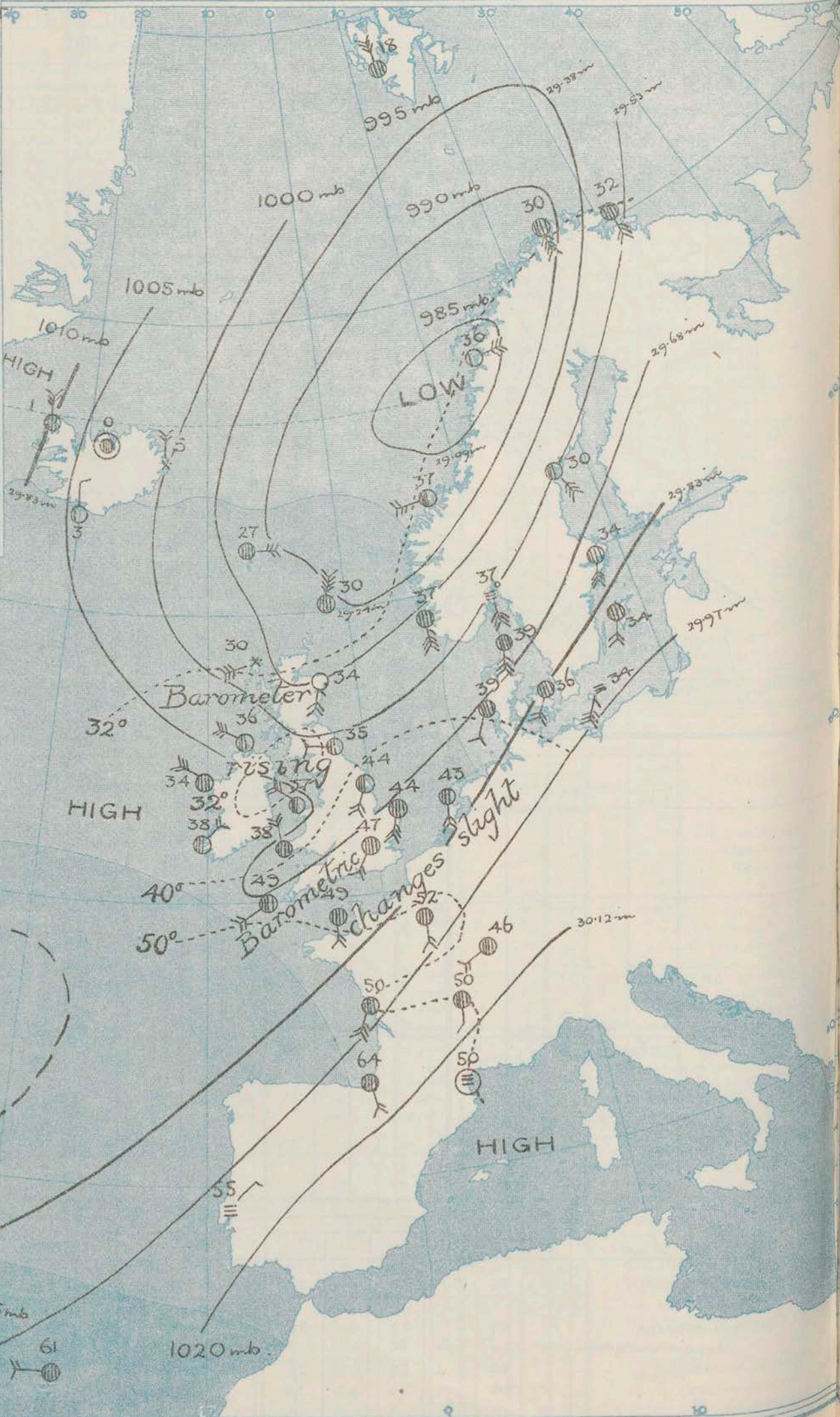
○ clear sky. ○ sky & clouded. ○ sky & clouded.

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

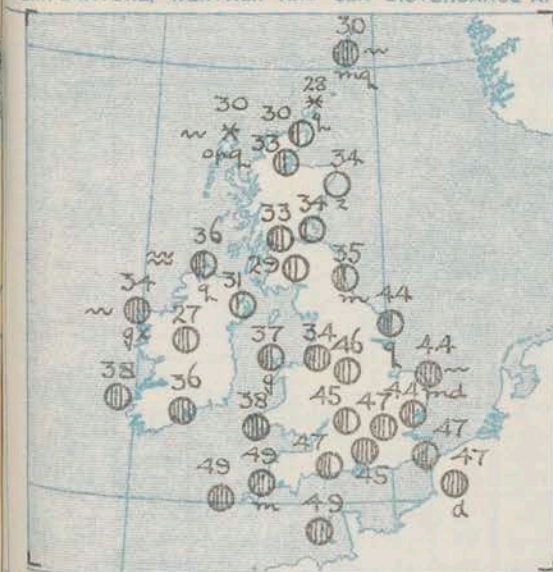
× snow. ▲ hail. ☼ fog. ☼ mist. T, thunder.

X, thunderstorm.

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







## NOTES.

Lerwick  
Gale SW 8 7h-15h (2<sup>nd</sup>)  
NNE 8 23h(2<sup>nd</sup>)-7h(5)  
Ext. SW 8 at 14h (2<sup>nd</sup>).  
Eskdale.  
Ext. S 8 at 13h 2<sup>nd</sup>  
Blackhead Point.  
S 8 7h-9h (2<sup>nd</sup>)  
Line squall at 9h 30(2<sup>nd</sup>)

Leith  
Gale SW 8 at 16h (2<sup>nd</sup>)  
Southport.  
Gale 15h and 16h  
SW 8.

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

Weather yesterday was dull in the morning with slight rain in many parts of the United Kingdom, but fine at Scilly. During the day fine weather spread across the south and west of England and more than 5 hours of bright sunshine were recorded at several stations (Scilly 8.0 hours, Pembroke and South Farnborough 6.1 hours. In north-west England and in Scotland some hail and snow were recorded; there was a thunderstorm at Castlebay. Temperature were high during the day, with maximum above 50° at most stations except in the north-west (Benson 57°) but during the night under the influence of W. or NW. winds some relatively low minima were recorded, falling to 27° at Birr Castle.

## The Conditions at 7h. Today.

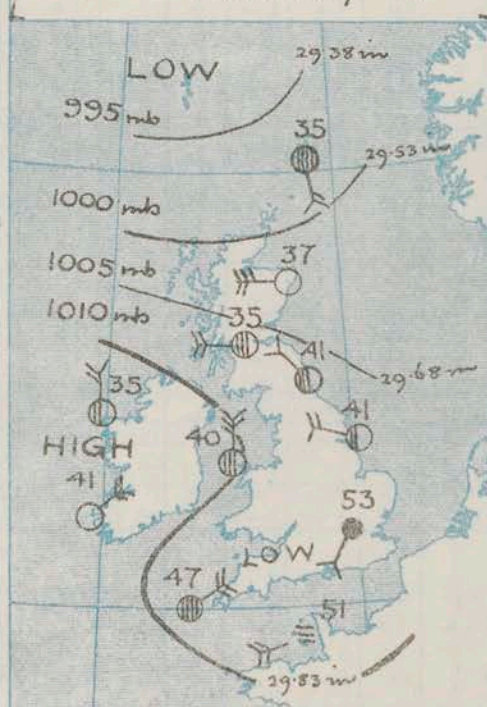
The depression which lay off the north-west of Scotland yesterday is now centred on the Norwegian coast near the Arctic Circle. It has developed a secondary south of the Farøe, another off the north-east of Scotland, and one across northern and western England; the latter shows a difference of more than 10° F. between its north-western and south-eastern sides. There appears to be another depression east of the Azores; pressure is high over the south of Switzerland.

## The Outlook

The barometer is rising generally over these Islands except in the English Channel and Southern North Sea. The depression is moving away north-eastwards and the secondary over England eastwards or south-eastwards. There are at present no indications of a new depression approaching these Islands and the north-westerly type will probably persist for the present over the whole country, except for the occasional passage of secondary depressions from north-west to south-east.

MONDAY, 3<sup>RD</sup>

MARCH, 1919, at 13h. (1p.m.) G.M.T.



The secondary depression over England has moved slowly south-eastward and causes overcast weather in the English Channel with local mist or fog and slight rain at Kew. There are indications of another secondary between the Orkneys and Shetlands. In the west and north the rise of the barometer continues.



STATIONS.	EVENING OF 2 <sup>ND</sup> .....					MORNING OF 3 <sup>RD</sup> .....										24 HOURS ENDED 7 h. 3 <sup>RD</sup> .....										Sun- shine for 2 <sup>ND</sup> Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 24 hours.	Temp. °F.	Change in 24 hours.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall Milli- metres.	TEMP.		WEATHER.								
			Dir.	Force						Dir.	Force					Max.	Min.	Morning	Afternoon	Night						
BRITISH ISLANDS.	Lerwick	982.8	38	NNE	4	omr	991.0	+8	30	-12	NNE	8	-	omg	6	8	42	30	omg	omgr	omgs	*				
	Houton B. (Orkney)	981.3	47	WSW	3	r. of	991.5	+8	28	-9	NNE	4	*	sq	7	*	47	28	omf	dt	sq.	*				
	Stornoway	983.4	34	W	6	ofsq	995.9	+9	30	-4	W	6	-	ofsq.	5	9	38	30	om	ofhsq.	ofsq.	0.0				
	Castlebay (Barra Isd.)	990.1	37	W	4	c													ofbr	bcns. c.						
	Glasgow	991.9	40	W	4	bc	1001.1	+5	33	-11	WSW	3	W	c	*	2	50	32	ofcfm	ogf. bc.	b. b. sh	1.2				
	Eskdalemuir	994.3	41	WSW	4	om	1002.4	+5	29	-13	SW	3	-	bc	*	7	44	28	omafm	omn. o	osm. bc	0.1				
	Malin Head	992.8	39	W	6	bomg	1001.5	+6	36	-9	WNW	6	W	cq	7	0.2	48	33	cmg	bomgg	cq.	3.3				
	Blackod Point	999.0	37	W	5	ch	1007.3	+4	34	+12	NW	5	-	ogx	5	3	47	33	cmg. c.	bcph.	bc. ogx.	*				
	Valencia (Cahirciveen)	1001.4	44	NW	1	om	1008.2	+5	38	-11	NE	3	-	c	3	8	59	37	c. of. o.	o. of	n. o. c.	0.3				
	Roche's Point	1001.9	47	WSW	3	odm	1007.7	+6	36	-11	WNW	2	-	o	2	8	52	36	c. bc. c.	c. odm	dn. o.	*				
	Birr Castle	1000.7	43	SW	1	c	1007.9	*	27	-18	W	1	-	c	*	4	52	27	c.	c.	os. ex.	2.1				
	Donaghadee	996.6	41	W	5	bcgr	1003.7	+3	33	-12	W	4	-	bmg	3	0.3	51	31	omgft	bcgr	bcgm	*				
	Liverpool (Bidston)	999.5	47	WSW	6	c	1002.9	+5	34	-8	NW	3	-	a	2	9	53	33	bcg	bcg.	os	4.3				
	Holyhead	1000.3	46	WSW	3	cq	1005.4	+4	37	-9	NNW	5	-	cq	3	14	50	33	omg. c.	cg. c.	os. c.	1.3				
	Pembroke (St. Ann's)	1004.2	47	SSW	4	bc	1004.5	*	38	-8	N	4	-	o	4	3	49	38	o. c. b.	b. bc.	c. bc. of.	6.1				
NORTHERN EUROPE, ICELAND, &c.	Scilly (St. Mary's)	1007.0	50	SW	3	c	1005.3	-1	49	+1	WSW	4	S	o	4	2	53	45	bc. b.	b. bc. cm	bc. of.	8.0				
	Falmouth	1007.4	49	SW	4	b	1005.8	0	49	+1	SW	3	-	om	*	Trace	55	45	cm. bc.	bc. bc. b.	dfe. bc.	5.9				
	Jersey (St. Aubin)	1010.3	49	WSW	3	o	1008.5	0	49	+3	S	3	-	oe	2	Trace	54	46	omn. c. a.	o	ad. oe.	0.2				
	Portland Bill	1007.3	47	SW	4	bc	1006.8	-1	47	0	SW	4	-	c	4	0.2	48	44	of. c.	b.	ch. bc.	*				
	Dungeness	1008.4	46	SW	3	b	1008.0	-1	47	+2	SW	4	SW	c	4	1	47	45	of. c.	a. c.	bc. bc.	*				
	Wick	981.6	45	SW	4	r	991.0	+6	30	-12	WNW	3	-	bc	3	-	47	28	omgft	bc. omf.	o. bcm	*				
	Nairn	985.2	40	W	4	bc	994.6	*	33	-12	W	4	-	bc	2	1	50	31	godg.	c. bcg.	g. besh	5.4				
	Aberdeen	985.3	45	SSW	1	bcz	995.0	+3	34	-7	SSW	4	-	bz	2	-	51	33	ogd. cz.	ogz. bc.	bc. bz	1.0				
	Leith	988.4	45	W	6	c	998.8	+2	34	-10	W	3	-	of	3	2	54	33	ch. cz. a.	ch. ogz. c.	cg. cs. b.	*				
	Tynemouth	991.9	48	SW	4	bcmg	1001.0	+1	35	-6	WNW	2	-	cm	4	-	52	35	bcmg	bcmg.	om. cm	*				
	Spurn Head	1000.1	49	SW	4	bcg.	1002.0	0	44	+3	SSW	4	-	cq	4	Trace	53	40	bcg.	bcg.	bc. bcg.	1.1				
	Yarmouth (Gorleston)	1005.3	46	SSW	6	b	1006.5	-2	44	+3	SSW	5	-	omd	5	1	51	40	cmg.	bm.	bm. omf.	3.0				
	Clacton-on-Sea	1006.8	44	SSW	4	b.	1006.9	-1	44	+1	SSW	4	SW	c	3	0.2	46	41	og. cm	cm. b.	b. of. c.	2.9				
	Nottingham	1002.5	50	SW	4	c	1002.9	*	46	+1	SW	2	SW	c	*	0.3	56	44	o. c.	s. bc.	c. b.	5.4				
	Benson (Oxon.)	1006.1	51	SSW	3	bc	1005.5	+2	45	0	SSW	3	-	c	*	0.3	57	42	bc	bc	bc. c.	*				
St. Farnborough	*	*	SW	5	b	1006.7	+1	45	0	SW	6	-	o	*	0.3	55	42	odn. ab.	b. bc. b.	b. of. o.	6.1					
London (Kew Obsv.)	1006.8	50	SSW	3	bz	1006.8	+2	47	+1	SW	3	-	om	*	-	54	42	od. c. bc	bc. b.	b. bc. o. c.	4.6					
THE BEAUFORT SCALE OF WIND FORCE.	Isafjord	1010.9	3	N	8	o	1011.0	0	1	-9	N	5	-	a	*	*	*	*								
	Reykjavik	1007.5	6	N	6	bc	1005.7	-2	19	+14	N	2	-	bc	*	*	*	*								
	Vestmanna	1001.7	8	N	5	b	1004.6	-1	3	+2	N	1	-	b	*	*	*	*								
	Seydisfjord	1000.3	13	N	6	s	1001.6	+2	5	-7	N	4	-	s	*	*	*	*								
	Thorshavn	984.8	28	N	4	o	991.3	+1	27	-2	E	5	-	o	*	*	*	*								
	Spitsbergen	997.5	1	SE	1	o	997.5	0	1	+9	N	6	*	o	*	*	*	18	-8							
	Vardö	999.8	1	S	5	b	997.9	-3	32	+13	S	5	-	o	3	*	32	19								
	Gjesvær	995.5	30	S	3	b	989.5	*	30	+2	S	8	-	o	4	2	30	25								
	Bodö	992.0	36	ESE	4	o	984.6	+5	36	+9	E	6	-	b	2	-	37	23								
	Christiansund	991.3	41	S	4	c	985.6	+7	37	0	W	5	-	c	4	2	43	34								
	Skudesnaes	994.6	39	SE	8	r	994.6	0	37	0	S	7	-	o	6	14	39	34								
	Færder (X'ianla Fjord)	1007.0	34	S	7	m	999.0	+1	37	+3	S	6	-	m	4	9	137	32								
	Haparanda	1004.4	28	SW	6	o	1001.6	-1	30	+5	SSW	6	-	o	0	-	30	25								
	Hernösand	1006.4	32	SE	6	bc	1001.9	-3	30	+2	SSW	6	-	c	0	-	36	28								
	Stockholm	1016.6	30	S	4	o	1010.1	+4	34	+6	SSW	6	-	o	0	-	34	28								
Wisby	1020.4	32	SW	4	o	1012.6	-2	34	+2	SSW	4	-	o	2	-	34	30									
Karlstad	1013.1	30	S	4	o	1004.2	-10	36	+6	SW	6	-	o	*	Trace	36	23									
FRANCE, &c.	The Scaw (Skagen)	1009.0	34	S	6	o	1002.6	0	39	+5	SSW	6	-	o	6	3	39	30								
	Blaavands Huk	1004.1	37	SSW	4	o	1007.8	-1	39	+5	SW	2	-	o	*	1	39	30								
	Copenhagen	1016.2	32	S	3	o	1011.3	-1	36	+4	SW	4	-	o	*	Trace	36	30								
	Bornholm	1019.3	30	S	2	m	1013.6	-1	34	+4	SW	7	SW	m	1	-	34	28								
	The Helder	1007.8	43	S	5	o	1008.0	0	43	+9	S	4	-	c	2	Trace	46	34								
	Brussels													*	*	*	*									
	Coblenz	1016.2	43	SW	3	o	1015.7	-1	48		S	3	-	o	*	Trace	?	?								
	C. Gris Nez						1008.6	-1	45	+2	SW	5	SW	f	4	1	48	39								
	La Hève																									
	Cherbourg						1008.3	-1	50	+4	SSW	3	-	o	2	1	55	46								
	Brest (St. Mathieu)	1012.6	50	SSW	3	o	1007.0	-1	50		SSW	3	-	r	3	4	54	48								
	Rennes	1012.7	52	S	3	o	1004.3	-2	52	+4	S	3	-	o	?	1	?	?								
	Rochefort (the d'Aix)	1013.1	50	SW	4	o	1014.6	0	50		SSW	5	-	o	*	2	55	50								
	Biarritz	1015.7	61	S	3	o	1016.0	0	64	+7	S	3	S	o	2	-	64	50								
	IBERIA, &c.	Paris	1013.2	52	SSW	3	o	1013.2	-2	52	+11	S	3	-	o	*	1	52	41							
Strasbourg		1016.8	46	-	0	c	1017.9	0	46	+18	SW	3	-	o	*	?	48	28								
Besancon							1018.6	?	46	+7	SW	2	SW	bc	*	1	54	39								
Clermont		1016.7	54	SW	2	o	1017.7	+1	50	+9	S	1	-	o	*	Trace	61	41								
Limoges		1015.1	?	SSW	1	o	1016.6	0	48	+2	SSW	1	SE	o	*	2	54	46								
Nice																										
Sicie		1020.4	50	-	0	b	1022.0	+1	46	+1	NE	4	-	o	3	-	52	43								
Perpignan		1019.5	50	NE	1	o	1021.7	+1	50	+5	-	0	-	f	?	-	54	45								
Corunna														*	*	*	*									
Madrid																										
Lisbon		1019.0	57	SSW	3	c	1019.9	+2	55		NE	1	-	f	?	Trace	59	55								
Azores (Horta)		998.3	*	W	9	r	1007.0	+4	52	+3	N	2	*	bc	2	1	61	52								
„ (P. Delgada)		*	*											*	*	*	*									
Madeira		1017.9	63	W	2	o	1017.0	0	61	+4	W	3	W	o	3	-	63	57								
Gibraltar														*	*	*	*									
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.

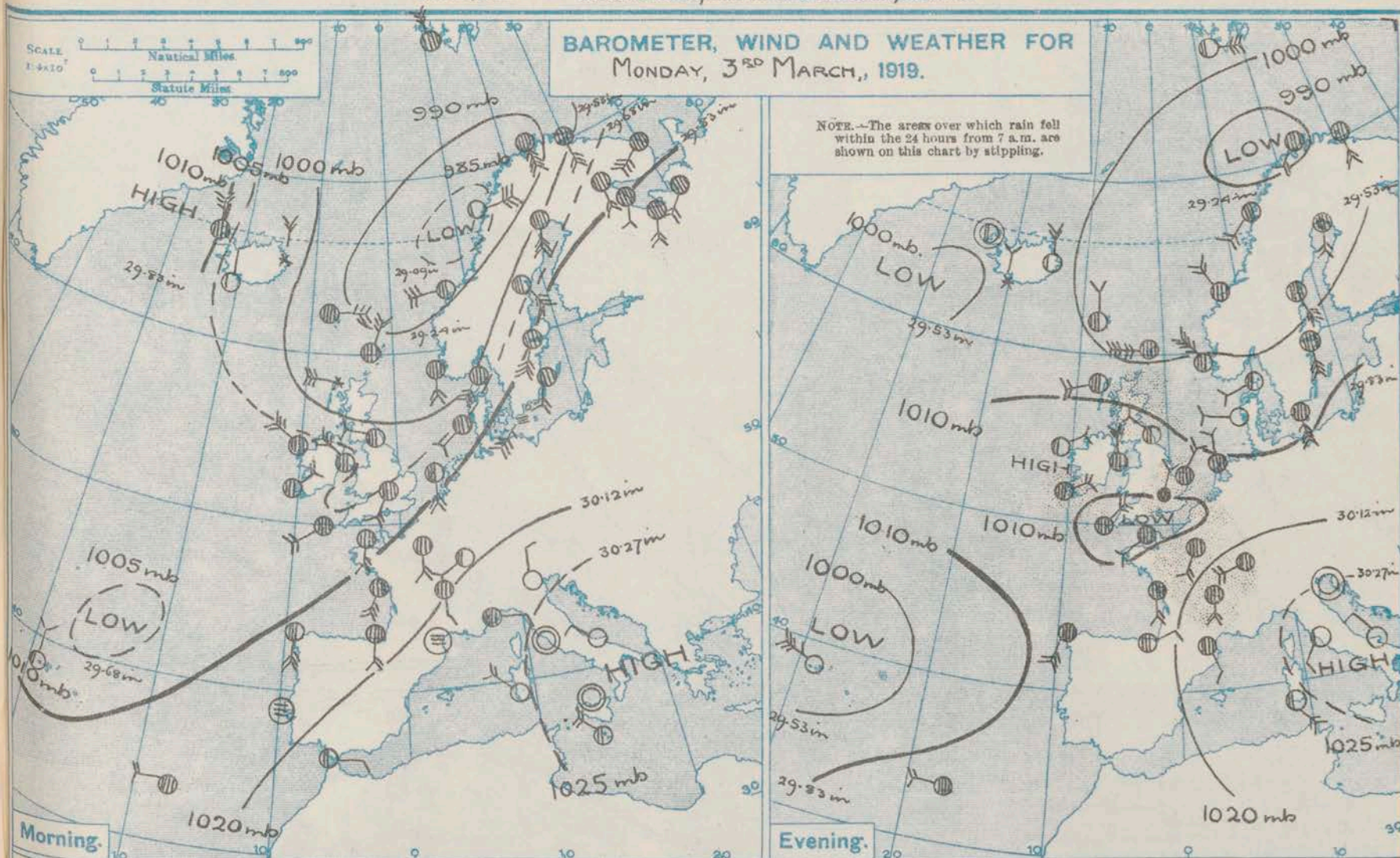


# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,921.

TUESDAY, 4<sup>TH</sup> MARCH, 1919.

## BAROMETER, WIND AND WEATHER FOR MONDAY, 3<sup>RD</sup> MARCH, 1919.



### WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 3<sup>RD</sup> MARCH

STATIONS.	EVENING OF 2 <sup>ND</sup>					MORNING OF 3 <sup>RD</sup>										AFTERNOON OF 3 <sup>RD</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.																						
Sviatonos ...																						
Kandalatska ...																						
Archangel ...						1013.3	+6	5	+12	WSW	4	a	-	*	*			5	+2	-	0	bc
Soroka ...														*	*							
MEDITERRANEAN.																						
Algiers ...																						
Malta ...	*	*	*	*	*	?	+3	55	-4	NNW	4	bc	-	64	54							
Salonica ...																						
Athens ...																						
Candia ...																						
Limassol ...	*	*	*	*	*	1009.1	-1	50	-2	-	0	o	8	64	48							
Alexandria ...	1013.3	61	-	0	b	1013.1	+1	63	+6	WNW	2	b	-	73	55							
Cairo (Helwan) ...	1012.6	68	N	3	b	1013.6	+2	57	+2	SE	2	b	-	84	55							
ITALY.																						
Venice ...	1022.9	45	S	2	b	1026.7	*	37	0	N	1	b										
Turin ...																						
Leghorn ...	1019.9	48	-	0	b	1022.1	*	45	+2	-	0	c										
Rome ...	1023.0	48	-	0	b	1027.3	*	39	-2	-	0	b										
Viesti ...	1020.2	46	WNW	2	bc	1026.9	*	46	0	NW	1	b										
Brindisi ...																						
Cagliari ...	1019.3	55	NW	3	b	1024.5	*	46		NW	3	b										
Palermo ...	1020.9	52	-	0	b	1026.1	*	52		-	0	b										
Tripoli ...																						

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM				
4 <sup>TH</sup> AND 5 <sup>TH</sup> MARCH 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	6.36	12.8	5.34
	...	6.34	12.8	5.36
Greenwich ...	...	6.42	12.12	5.42
	...	6.40	12.12	5.44
Wick ...	...	7.3	12.24	5.45
	...	7.0	12.24	5.48
Valencia ...	...	7.24	12.53	6.22
	...	7.22	12.53	6.24

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

4 <sup>TH</sup> AND 5 <sup>TH</sup> MARCH 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	C.M.T.	G.M.T.
Yarmouth ...		6.36	12.8	5.34
Greenwich ...		6.34	12.8	5.36
Wick ...		6.42	12.12	5.42
Valencia ...		6.40	12.12	5.44
		7.3	12.24	5.45
		7.0	12.24	5.48
		7.24	12.53	6.22
		7.22	12.53	6.24

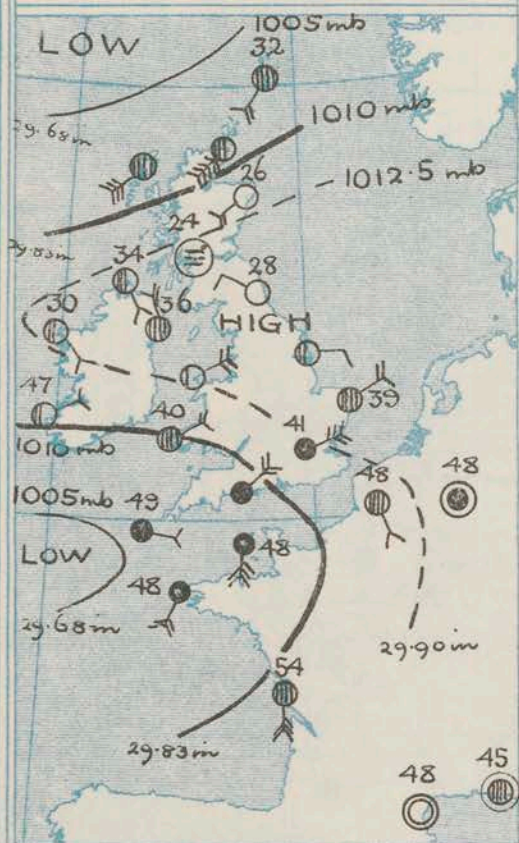
LONDON		HUMIDITY.		Sun-shine for 24 hours.	TEMPERATURE.				Rain-fall.	WEATHER.		
4 <sup>TH</sup> MARCH 9h. G.M.T.		15 h.	9 h.		Max.	Min.	Min. on Grass.			Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory) ...		77	98	0.0	56	38	38	11	0	o. od.	o. od.	o. od.
CITY (Bunhill Row) ...		*	*	0.0	*	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ...		77	98	0.0	56	38	38	8	*	*	*	*
(Roof of Admiralty Arch) ...		75	96	0.1	56	39	*	8	c	og. od.	od. org. m.	
CAMDEN SQ. (British Rainfall) ...		80	100	0.0	55	38	38	8	o	o. st.	*	*
KENSINGTON PALACE ...		*	95	*	55	38	37	7	bc	bc. od.	*	*
RICHMOND PARK ...		*	*	*	*	*	*	*	*	*	*	*

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.
425	10.8	33



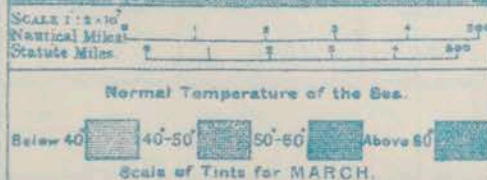
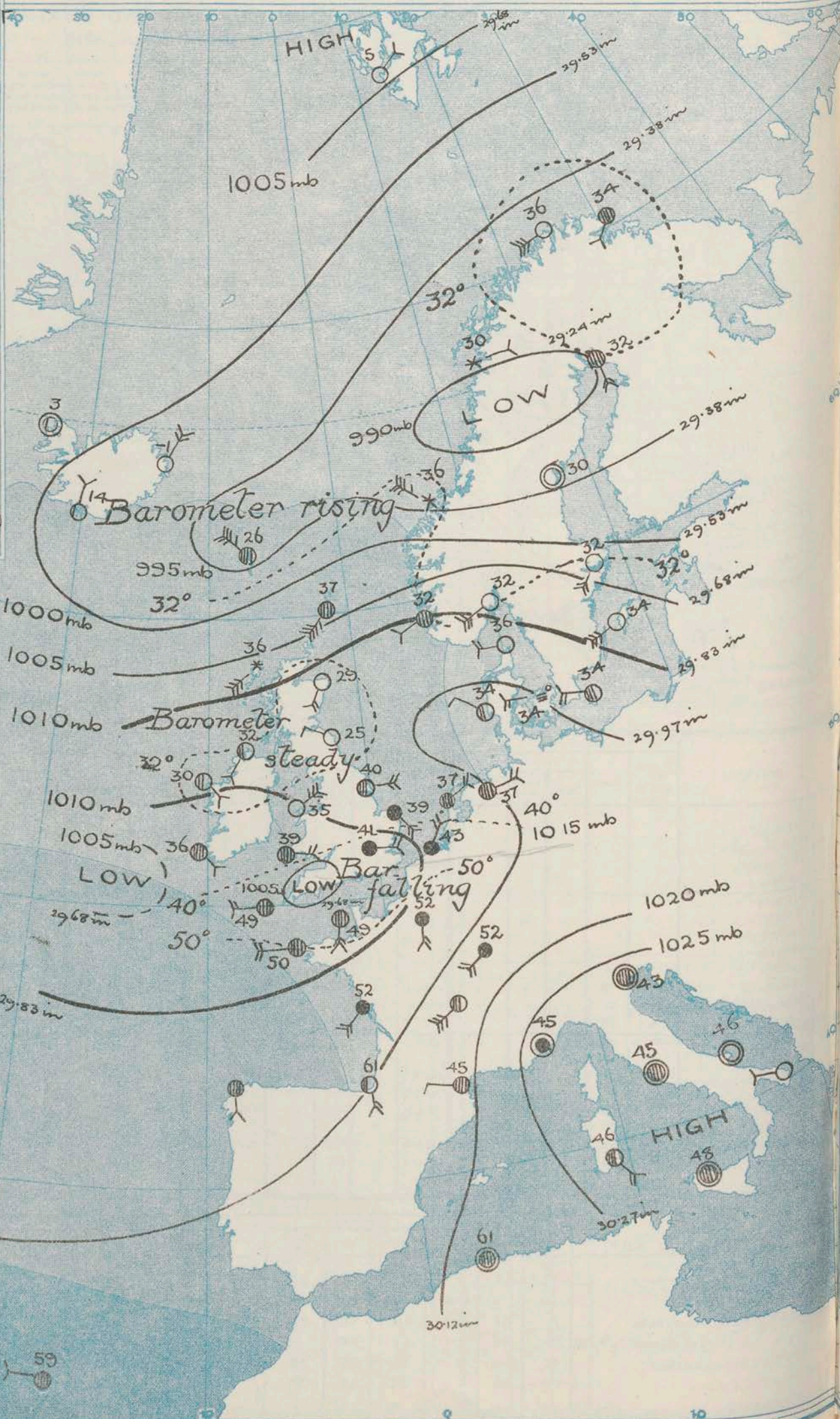
4<sup>TH</sup> MAR, at 1h. G.M.T.

THE MORNING OF TUESDAY, 4<sup>TH</sup> MARCH, 1919 at 7h. G.M.T.

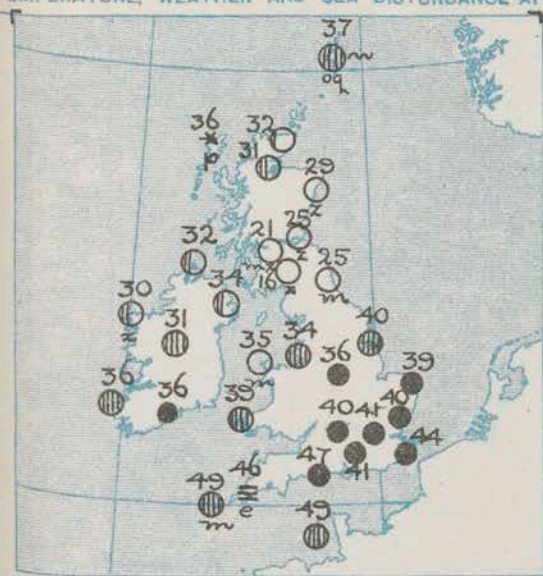


# EXPLANATION.

**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, K, thunderstorm.  
**SEA DISTURBANCE.**—Rough High







## NOTES.

Lerwick—  
Gale 7h-9h (3rd)  
14h-20h (3rd)  
Ext. Wio. at 18h.

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

Weather yesterday was changeable and showery over most of the country. Less than an hour of bright sunshine was recorded over the south and east of England, but the amounts increased northward and westward (Valencia 7.2 hours, Aberdeen 8.7 hours). In Scotland and Ireland snow and hail showers fell, even as far south as Valencia the snow settled. The totals of precipitation were small except in the south (Valencia 10 mm., Jersey 16 mm., Dungeness 12 mm.) Temperatures were lower, the maxima exceeding 50° only in the south (South Farnborough, Kensington and Greenwich 56°F.), while low minima were recorded in Scotland (Eskdalemuir 14°F.).

## The Conditions at 7h. Today

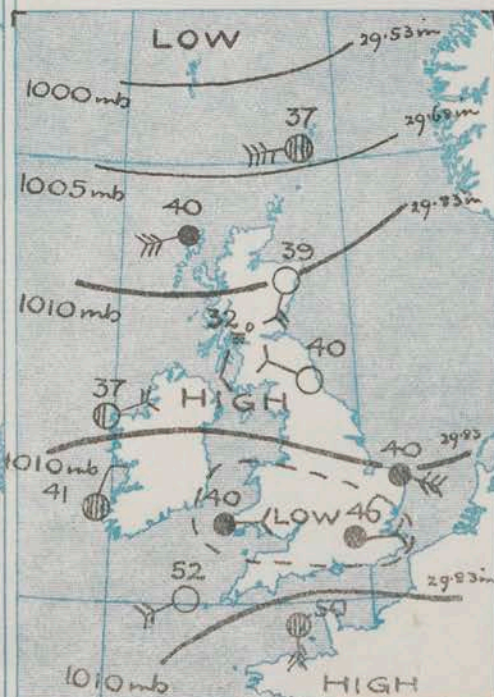
The depression which lay over the Norwegian coast yesterday morning has moved a little eastward. Another depression which appeared off the south-west of Iceland yesterday evening has moved eastward more rapidly and has partially merged with the Norwegian depression. A third depression lies off the south-west of Ireland with an outlier centred near Falmouth. Pressure is high over Italy and a belt of high pressure lies over Denmark and extends across the Central North Sea to a subsidiary maximum near Eskdalemuir.

## The Changes in Progress.

The barometer is falling over the north of Scotland and also over most of England and Ireland but is rising over Denmark and Southern Norway and also at the Farøe. The winds over the north of Scotland will probably remain between SW. and W. and increase in force, while in the south cold Easterly winds and rainy weather will continue.

TUESDAY, 4<sup>TH</sup>

MARCH, 1919, at 13h. (1p.m.) G.M.T.



The small depression which was centred near Falmouth this morning has moved in an east-north-east direction and grown less deep. The lowest pressure is now near South Farnborough, and pressure is rising to westward of it; otherwise there has been little change since this morning.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 53.

TUESDAY,  
14<sup>th</sup> MARCH

STATIONS.	EVENING OF 13 <sup>th</sup>					MORNING OF 14 <sup>th</sup>										24 HOURS ENDED 7 h. A.M. 14 <sup>th</sup>					Sun- shine for 3 h.	
	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.				
			Dir.	Force				Dry Bulb. °F.	Change in 24 hours.	Dir.	Force					Max.	Min.	Morning	Afternoon	Night.		
BRITISH ISLANDS.	Lerwick	996.5	32	W	3	omg.	1001.9	-5	37	+7	SW	7	-	og	6	3	38	28	om	oghs	oghs.	Hours 4.7
	Houton B. (Orkney)	1003.1	30	W	9	o	1004.1	-2	33	+5	SW	9	*	bc	7	33	27	bc	chq.	s	*	
	Stornoway	71002.6	31	W	4	chs	1006.5	-1	36	+6	SW	6	-	opsq	5	8	36	28	chs	chs	chs.	4.7
	Castlebay (Barra Isd.)	1011.5	35	S	3	osh												chs	chs	chs.		
	Glasgow	1011.8	32	WNW	3	bv	1013.8	0	21	-12	ESE	1	-	bmx	*	-	36	21	osh. bc	c. bc. bv.	b. bmx	6.5
	Eskdalemuir	1012.4	29	W	1	b	1014.5	-1	16	-13	-	0	-	bc	*	0.2	35	14	bc. chq.	bc. chs. b.	bc.	2.1
	Malin Head	1012.4	35	NW	3	cg	1011.4	0	32	-4	SSW	2	-	bc	2	-	47	31	cgph.	bcphs.	bc.	2.2
	Blackrod Point	1013.2	35	ENE	2	bcv	1011.4	-2	30	-4	E	2	-	bc	3	-	38	29	bcph.	bcph.	bc. bc.	*
	Valencia (Cahirciveen)	1011.2	37	ENE	3	cv	1006.9	-1	36	-2	ESE	2	-	o	3	10	42	33	c. bc.	bc. bv.	b. bc. o.	7.2
	Roche's Point	1011.5	36	ENE	2	b	1007.5	0	36	0	ENE	3	-	r	3	4	42	34	o. bv.	bv. b.	b. or.	*
	Birr Castle	1012.9	32	N	1	c	1009.3	*	31	+4	NE	2	-	o	*	-	38	27	c	c	c. o.	1.8
	Donaghadee	1012.3	36	NW	4	cg	1012.7	0	34	+1	ENE	3	NE	bcz.	2	Trace	40	31	bmj.	bcphs.	ogmbe	*
	Liverpool (Bidston)	1012.6	37	N	1	o	1011.1	-2	34	0	ENE	2	-	o	2	-	41	33	c. bc.	bc.	bc. o.	4.8
	Holyhead	1012.2	38	N	3	cg	1009.0	-3	35	-2	ENE	5	-	bm	3	-	42	33	c. bc.	c. bc. c.	c. bc. bc.	5.4
	Pembroke (St. Ann's)	1011.3	38	NNE	3	cv	1006.2	?	39	+1	ENE	3	-	o	3	Trace	44	37	c. b.	b. bc. cv.	ov. bc.	5.5
	Scilly (St. Mary's)	1008.7	44	ENE	4	o	1005.1	-1	49	0	W	3	-	om	3	4	50	43	om	o	fd. om	0.1
	Falmouth	1009.1	46	N	1	or	1004.1	-3	46	-3	NNE	2	-	fe	*	15	52	om. om.	o	rd. fe	0.7	
	Jersey (St. Aubin)	1010.7	49	WSW	3	oem	1006.7	0	49	0	S	4	-	o	3	16	54	od. oe	ome.	fd. o. o.	0.1	
	Portland Bill	1009.2	47	-	0	cf	1005.3	-2	47	0	SSW	3	-	or	3	9	49	c. cf.	cf.	omr	*	
	Dungeness	1009.9	46	SW	2	f	1007.9	-3	44	-3	E	2	-	r	2	12	47	cf. o.	om. cf.	f. o. or.	*	
NORTHERN EUROPE, ICELAND, &c.	Wick	1006.5	31	WNW	4	c	1006.7	-2	32	+2	SSW	4	-	b	4	1	34	26	bcphs.	bcphs.	bcq.	*
	Nairn	1009.1	31	W	2	bc	1009.1	*	31	-2	WNW	4	-	bcq	2	0.4	36	29	bcphs.	bcphs.	bcq.	5.8
	Aberdeen	1009.4	33	WNW	4	bcq	1011.9	-1	29	-5	SSW	3	-	bz	2	-	39	25	bcq.	bcq. y.	bz	8.7
	Leith	1011.6	35	NW	2	bc	1013.1	0	25	-9	W	1	-	b	2	-	39	24	b. bc. b.	b	bc. bc. b.	*
	Tynemouth	1010.6	35	NW	2	bc	1002.9	0	25	-10	NW	1	-	bm	3	-	43	25	c.	bc	bm	*
	Spurn Head	1011.1	41	NW	2	bc	1012.4	-2	40	-4	E	4	-	c	3	1	44	35	bc	bc	bc. o. c.	0.8
	Yarmouth (Gorleston)	1010.8	41	NE	3	o	1011.8	-3	39	-5	ESE	4	-	omr	4	1	52	37	omd.	omd. om.	om. bc.	0.0
	Clacton-on-Sea	1011.0	44	NNW	3	o	1009.7	-3	40	-4	NE	4	-	ogt	3	5	48	40	c.	c. og.	ogph.	0.0
	Nottingham	1012.2	40	NNW	2	bm	1011.3	*	36	-10	E	2	E	od	*	Trace	47	34	cm	bc	bm.	1.0
	Benson (Oxon.)	1010.8	41	N	2	bc	1007.3	-3	40	-5	ENE	2	-	r	*	4	53	r. om	r. bc.	or	*	
St. Farnborough	1010.8	41	NNE	3	odm	1007.9	-2	41	-4	ENE	4	-	orm	*	8	56	ph. o.	ac. or. dm.	do. or. m.	0.2		
London (Kew Obs.)	1011.3	43	NNE	2	od	1007.9	-2	41	-6	E	3	-	orm	*	7	55	c. o. or.	or. od.	od. or. m.	0.0		
THE BEAUFORT SCALE OF WIND FORCE.	Isafjord	1006.4	7	-	0	bc	1002.0	+1	3	+2	-	0	-	b	*	*	*	*				
	Reykjavik	1002.1	-27	E	6	bc	999.7	+3	2	-17	-	0	-	b	*	*	*	*				
	Vestmanna	999.9	14	N	2	s	995.7	2.0	14	-11	N	2	-	b	*	*	*	*				
	Seydisfjord	1005.0	0	N	4	b	999.4	0	-1	-6	N	4	-	b	*	*	*	*				
	Thorshavn	996.4	23	N	2	c	994.0	+3	26	-1	NW	7	-	o	*	*	*	*				
	Spitsbergen	1002.1	18	E	6	bc	1009.9	+3	5	+4	NE	2	*	b	*	*	*	*				
	Vardö	994.7	32	S	5	o	993.3	?	34	+2	SW	2	-	o	3	*	34	19				
	Gjesvær	986.7	30	SW	3	o	993.2	*	36	+6	W	6	-	o	4	-	36	30				
	Bodö	994.1	34	SW	4	c	990.6	-1	230	-6	E	2	-	s	2	1	39	27				
	Christiansund	993.5	32	NNW	4	o	1009.2	+19	36	-1	NW	7	-	s	5	12	37	25				
	Skudesnaes	1001.0	37	NW	8	c	1009.2	+1	32	-5	W	2	-	o	5	Trace	41	32				
	Færder (X'ania Fjord)	999.4	36	SW	5	b	1008.7	+6	32	-5	W	5	-	b	3	6	37	32				
FRANCE, &c.	Haparanda	997.6	32	SSW	6	o	990.0	-3	32	+2	S	4	-	o	0	4	34	30				
	Hernösand	997.5	36	SSE	6	o	993.1	0	30	0	-	0	-	b	0	3	36	28				
	Stockholm	1005.0	36	S	6	o	1002.7	+2	32	-2	SW	4	-	b	0	3	36	30				
	Wisby	1009.6	39	SSW	6	o	1008.3	+3	34	0	WSW	6	-	b	5	6	39	34				
	Karlstad	999.8	36	S	4	o	1006.4	+5	30	-6	W	4	-	b	*	2	37	28				
	The Scaw (Skagen)	1002.1	37	WSW	2	bc	1011.5	+5	36	-3	WNW	3	-	b	3	-	41	34				
	Blaavands Huk	1007.9	37	WNW	2	b	1015.8	+4	34	-5	NW	1	-	bc	*	3	43	32				
	Copenhagen	1006.6	41	SW	4	r	1014.4	+5	34	-2	WNW	3	-	m	*	2	43	32				
	Bornholm	1009.5	43	S	8	m	1013.3	+3	34	0	WNW	3	W	c	0	2	43	32				
	The Helder	1010.3	41	N	2	o	1013.5	0	37	-6	ENE	3	-	o	1	Trace	45	37				
	Brussels	1013.2	52	S	2	r	1014.1	-1	52	+4	S	1	-	o	*	1	?	?				
	Coblenz	1013.2	52	S	2	r	1014.1	-1	52	+4	S	1	-	o	*	1	?	?				
IBERIA, &c.	C. Gris Nez	1009.3	46	SW	4	f	1008.6	-3	50	+5	SW	1	-	r	1	14	50	43				
	La Hève	1009.3	46	SW	4	f	1008.0	-6	52	+5	WSW	3	S	r	2	14	54	45				
	Cherbourg	1006.6	-1	52	+2	SW	4	-	o	2	26	54	50									
	Brest (St. Mathien)	1008.3	50	SSW	4	o	1008.3	+1	50	0	W	4	-	o	5	14	52	48				
	Rennes	1012.7	54	SW	3	o	1009.9	+1	52	0	S	4	-	r	?	14	?	?				
	Rochefort (Ile d'Als)	1015.3	55	S	3	o	1014.0	+2	52	+2	SW	4	-	r	*	4	59	36				
	Biarritz	1014.3	64	NNE	1	c	1015.0	+2	61	-3	S	3	SW	bc	3	-	70	59				
	Paris	1013.6	55	SSW	3	o	1011.1	-2	52	0												

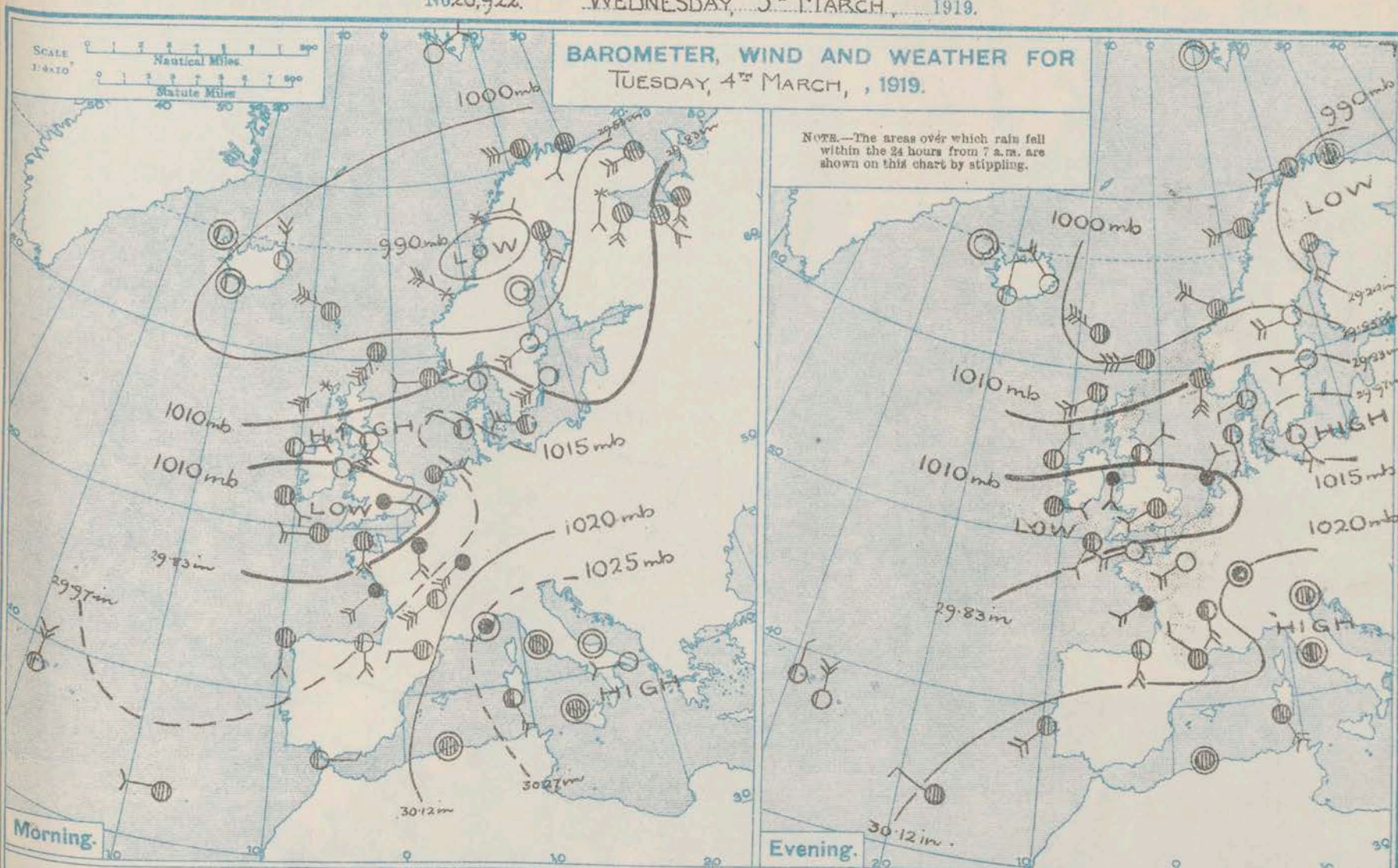


# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,922. WEDNESDAY, 5<sup>TH</sup> MARCH, 1919.

## BAROMETER, WIND AND WEATHER FOR TUESDAY, 4<sup>TH</sup> MARCH, 1919.

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 4<sup>TH</sup> MARCH

STATIONS.		EVENING OF... 3 <sup>RD</sup> .....					MORNING OF... 4 <sup>TH</sup> .....										AFTERNOON OF... 4 <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.		Weather.			
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours. °F.	Direc.	Force 0-12.		Max.	Min.			Dry Bulb. °F.	Change in 24 hours. °F.		Direc.	Force 0-12.	
		°F.				:	°F.	°F.					°F.	°F.			°F.	°F.					
RUSSIA.	Sviatonos ...												*	*			Isafjord ...	1006.6	10	+5	-	0	b
	Kandalatska ...						1000.2	-3	28	?	SE	4	S	-	*	*							
	Archangel ...						1010.9	-3	25	+20	WSW	4	O	-	*	*							
	Soroka ...														*	*							
															*	*							
MEDITERRANEAN.	Algiers ...	1019.3	61	NNE	2	O	1020.7		61	?	-	O	O	-	68	55							
	Malta ...	*	*	*	*	*																	
	Salonica ...																						
	Athens ...																						
	Candia ...																						
	Limassol ...	*	*	*	*	*	1004.4	-1	45	-5	-	O	bc	5	63	43							
	Alexandria ...	1014.0	55	NW	3	T	1015.3	0	57	-6	WNW	6	bc	TRACE	70	52	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Cairo (Helwan) ...	1014.9	59	NW	4	b	1017.5	+3	50	-7	W	2	b	-	75	46	5 <sup>TH</sup> & 6 <sup>TH</sup> MAR 1919.						
	Venice ...	1027.5	46	-	0	b	1026.2	*	43	+6	-	O	O	-	52	37?	Sunrise.						
	Turin ...							*									Noon.						
ITALY.	Leghorn ...	1027.0	50	-	0	bc	1026.6	*	52	+7	SSE	2	O	-	55	45	Sunset.						
	Rome ...	1028.6	48	SW	1	b	1029.5	*	45	+6	-	O	O	-	57	39?	G.M.T.						
	Viesti ...	1027.5	46	NW	1	b	1027.9	*	46	0	-	O	b	-	48	?	G.M.T.						
	Brindisi ...	1027.9	54	NW	2	b	1027.9	*	43	?	NW	2	b	-	54	43	G.M.T.						
	Cagliari ...	1021.9	57	SE	4	bc	1026.1	*	46	0	SE	3	c	-	63	45	G.M.T.						
	Palermo ...	1026.9	52	-	0	f	1028.2	*	48	-4	-	O	O	-	57	45	G.M.T.						
	Tripoli ...							*									G.M.T.						

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

5 <sup>TH</sup> & 6 <sup>TH</sup> MAR 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	6.34	12.5	5.36
Greenwich	...	6.32	12.5	5.38
Wick	...	6.40	12.12	5.44
Valencia	...	6.38	12.12	5.46
	...	7.0	12.24	5.48
	...	6.57	12.24	5.50
	...	7.22	12.53	6.24
	...	7.20	12.53	6.26

LONDON		HUMIDITY.		TEMPERATURE.		WIND.		WEATHER.	
5 <sup>TH</sup> MARCH 9h. G.M.T.		13h.	9h.	Max.	Min.	Dir.	Force	Morning.	Night.
GREENWICH (Royal Observatory)		99	99	49	40	31	11	OT	OT
CITY (Bunhill Row)		*	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)		97	100	50	42	35	12	*	*
(Roof of Admiralty Arch)		93	93	50	42	*	10	OTm	OTm
CAMDEN SQ. (British Rainfall)		100	100	49	41	37	9	od	od
KENSINGTON PALACE		*	93	49	41	35	11	OTm	OT
RICHMOND PARK		*	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 4 <sup>TH</sup> .....		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
118	3.0	11

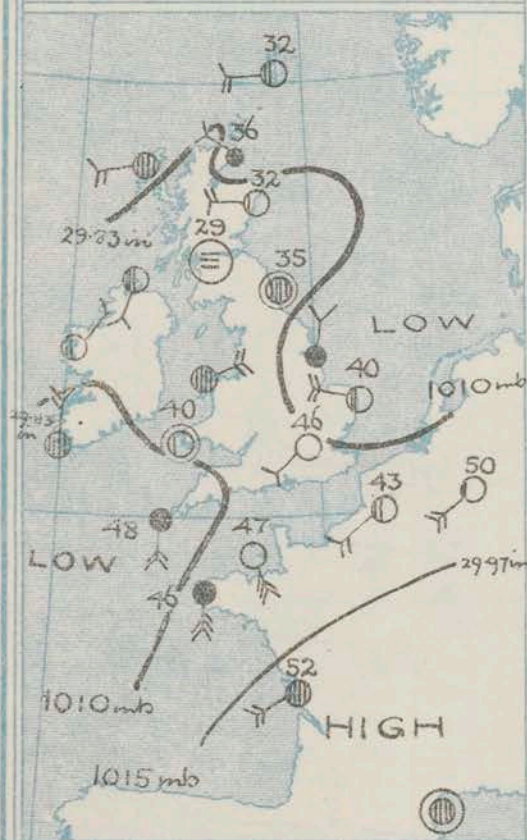
Printed at the Meteorological Office, South Kensington, London, S.W.7.  
By WYMAN & SONS LTD., Fetter Lane, London, E.C.4, and Reading

† The barometric change is expressed in half-millibars.



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

THE MORNING OF WEDNESDAY, 5<sup>TH</sup> MARCH, 1919 at 7h. G.M.T.



**EXPLANATION.**

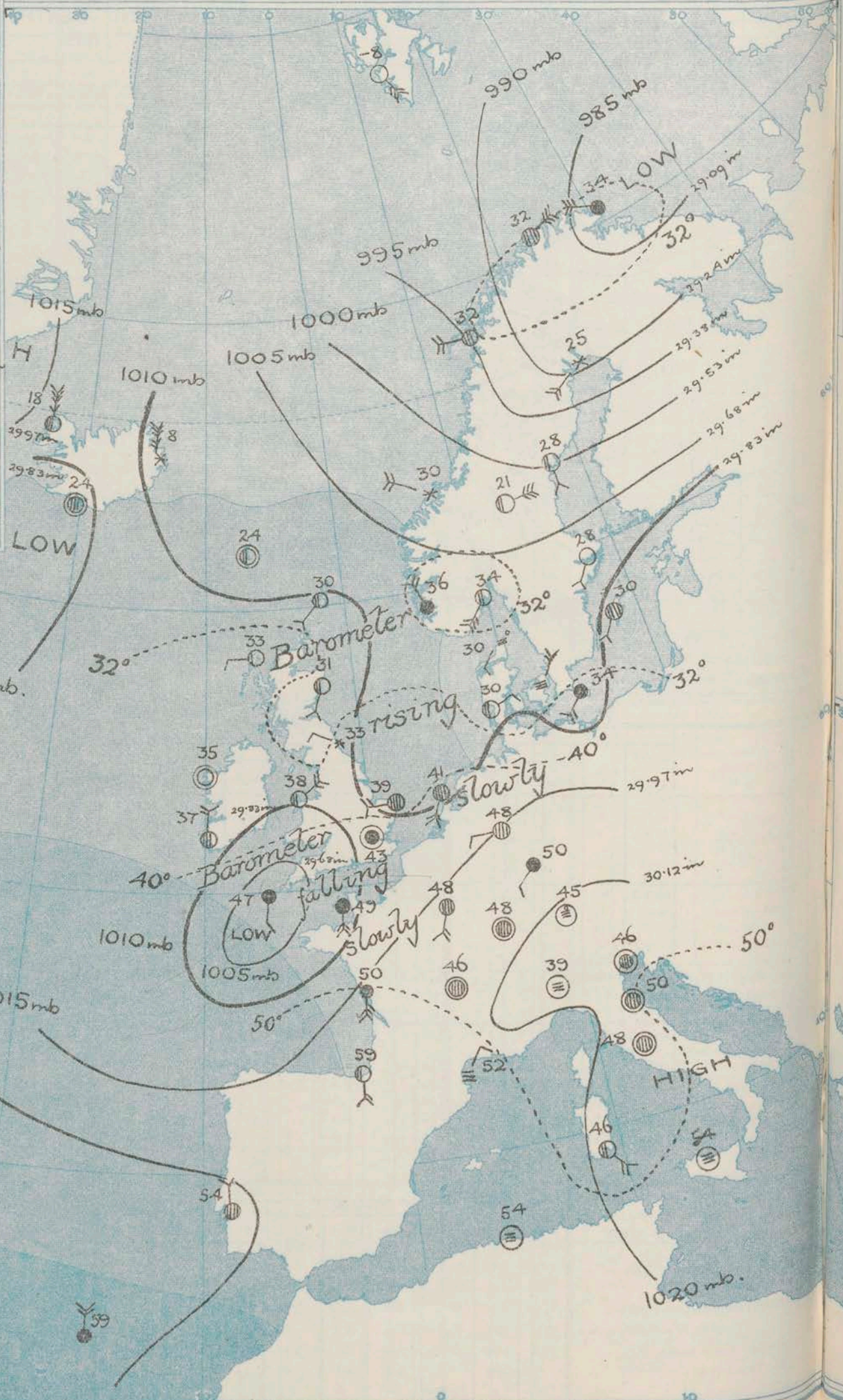
**BAROMETER.**—Isobars are drawn for intervals of five millibars.

**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.  
 rain falling.  
 snow. hail. fog. mist. thunder.

**SEA DISTURBANCE.**—Rough High



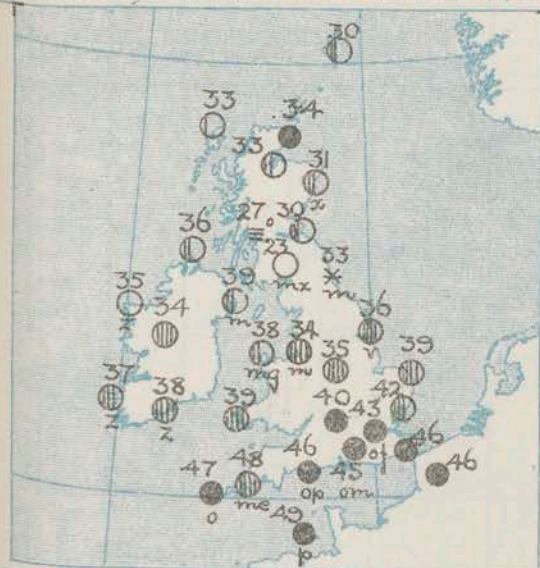
Scale 1:2500  
 Nautical Miles  
 Statute Miles

Normal Temperature of the Sea.

Below 40° 40°-50° 50°-60° Above 60°

Scale of Tints for MARCH.





NOTES.

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

Weather yesterday was overcast with much rain and mist over the east and south-east of England, with sleet or snow locally, but finer in the west and north of the United Kingdom, the record of bright sunshine being 9.0 hours at Eskdalemuir and as much as 9.7 hours at Nairn. Precipitation reached 9 or 10 mm. at most places in the south and east of England and the English Channel. Temperature continued low except in the Western Channel, where the maximum reached 55° at Jersey; low minima were recorded in Scotland (Eskdalemuir 15°, Glasgow 20°)

The Conditions at 7h. Today

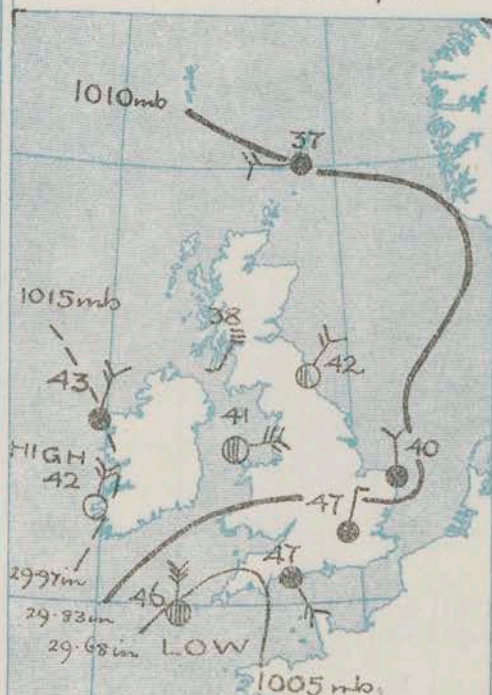
The depression which lay over the Western part of the English Channel yesterday has moved eastward growing shallower as it did so and now lies over the Southern North Sea. This depression and one which lay north of Scotland have now almost merged with a large depression which is centred over the Murman coast and occupies the whole of Scandinavia. A new depression has appeared off the Mouth of the English Channel, and there are also indications of one south-west of Iceland. Pressure is high over Italy, the Azores and north-west of Iceland; the two former high pressure areas are separated by a small depression in the Gulf of Lions.

The Outlook

The depression off the Mouth of the Channel will move eastward causing rainy weather over the south of England. Other disturbances may be expected to follow, but pressure is rising steadily over the Azores, and new disturbances will probably take a somewhat more Northerly course.

WEDNESDAY, 5<sup>TH</sup>

MARCH, 1919, at 13h. (1p.m.) G.M.T.



The depression off the Mouth of the Channel this morning has moved eastward and is now centred east of Falmouth. Rainy weather persists in its front but in its rear finer weather with moderate to strong Northerly winds prevails.

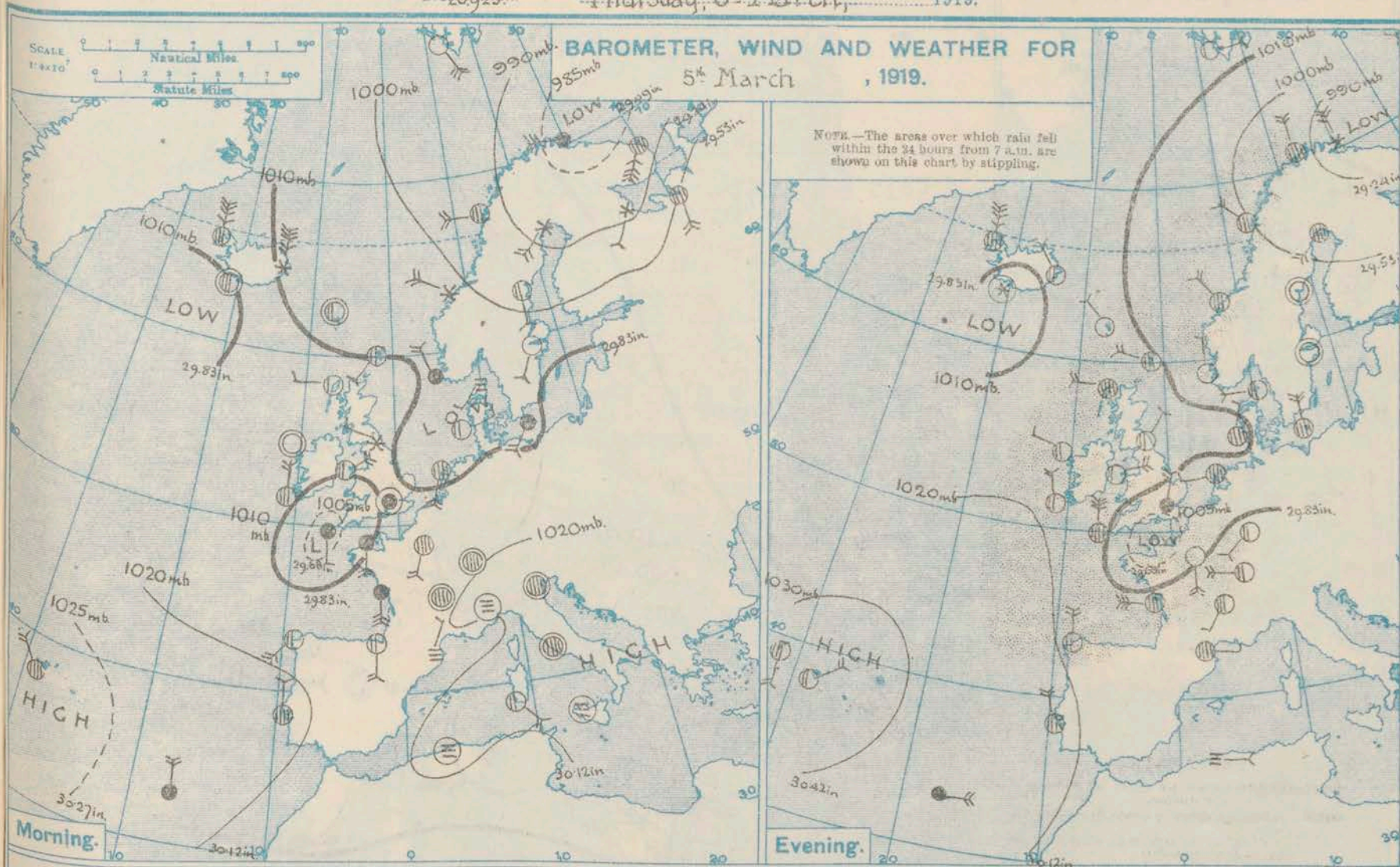


STATIONS.	EVENING OF... 4TH...					MORNING OF... 5TH...								24 HOURS ENDED 7 h... 5TH...							Sun- shine for 4TH Hours.		
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	Temp. °F. Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 6-10.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	1002.0	39	W	6	ogp	1009.9	+2	30	-7	SW	2	-	bc	2	12	42	28	ogps	ogp	bc	*	
	Houton B. (Orkney) ...	1005.7	38	WSW	7	o	1011.6	+2	32	-1	SSE	1	*	c	5	*	40	27	bc.cq	bc.cq	bc.cps	*	
	Stornoway ...	1007.3	40	WSW	5	cpq	1011.3	+2	33	-3	W	1	-	b	1	6	43	33	crq	cpq	cp.b	3.7	
	Castlebay (Barra Is.) ...	1010.2	43	WSW	4	o																	
	Glasgow ...	1011.7	33	WSW	1	cf	1012.5	0	27	+6	SSW	1	-	m	*	35	20	bmfx	cf.cq	cf.bmx	0.3		
	Eskdalemuir ...	1011.6	31	-	0	bcz	1012.7	+1	23	+7	-	0	-	bmz	*	39	15	bx.bx	bx.cq	ox.bmx	9.0		
	Malin Head ...	1010.7	37	-	0	bc	1011.7	0	36	+4	SW	3	-	bc	3	41	32	bc	bc	bc	7.4		
	Blacksod Point ...	1011.1	35	NE	2	c	1013.3	0	35	+5	-	0	-	bx	2	38	29	bc	bc	bc.bx	*		
	Valencia (Cahirciveen) ...	1007.9	42	E	2	ox	1010.9	+2	37	+1	NNE	3	-	cz	3	43	36	opso	ox	o.cq	*		
	Roche's Point ...	1009.5	39	ENE	2	ox	1009.9	+2	38	+2	NNE	2	-	ox	2	0.3	40	36	dox	ox	ox	*	
	Birr Castle ...	1010.1	35	ENE	1	o	1011.9	*	34	+3	NNE	1	-	o	*	TRACE	38	30	o	ops	o	0.0	
	Donaghadee ...	1010.6	37	NNE	3	ogm	1011.6	0	39	+5	NE	4	NE	bcm	3	39	34	bcz	bcz.om	om.bcm	*		
	Liverpool (Bidston) ...	1009.4	37	E	1	r	1010.6	+1	34	0	-	0	NE	om	0	40	32	om	op	ors	0.0		
	Holyhead ...	1008.2	38	S	2	orm	1010.1	0	38	+3	ENE	4	NE	bcmg	3	41	34	b.b.c.o	ops.rm	rd.oms	0.7		
	Pembroke (St. Ann's) ...	1009.0	41	N	1	of	1008.8	*	39	0	NE	3	-	o	1	8	42	38	or	odm	ofm.bx	0.0	
	Scilly (St. Mary's) ...	1009.0	50	SW	2	c	1004.6	-1	47	-2	S	1	-	or	3	8	58	46	fe.bm	cm.cm	or	4.6	
	Falmouth ...	1010.0	49	WSW	3	cm	1005.4	-2	48	+2	S	2	-	ome	*	7	53	46	fem.cm	c.bc.em	crdrf	1.9	
	Jersey (St. Aubin) ...	1012.1	51	W	3	b	1009.6	-1	49	0	S	4	-	p	3	1	55	46	od.c.o	o.c.b	b.op	4.0	
	Portland Bill ...	1008.3	47	WSW	5	bc	1007.7	-3	46	-1	SSW	4	-	op	?	10	47	45	or	bc	cr	*	
	Dungeness ...	1008.2	46	SW	4	om	1010.6	-1	46	+2	SW	3	-	r	3	9	48	44	or	odm	ofacr	*	
NORTHERN EUROPE, ICELAND, &c.	Wick ...	1007.3	37	W	4	b	1011.4	+3	34	+2	WNW	2	-	r	2	1	42	31	bq	bq	bq.omr	*	
	Nairn ...	1009.2	35	-	0	bc	1010.9	*	33	+2	-	0	-	bc	1	42	31	bc	b.bc	bcx	9.7		
	Aberdeen ...	1010.2	36	SSW	2	bx	1011.2	+1	31	+2	SSW	2	-	bcz	2	41	28	bz.y	by.bz	b.bcz	8.9		
	Leith ...	1010.6	35	W	1	c	1011.6	0	30	+5	SW	1	SW	cm	1	40	24	bx.bc	c.bcm.c	c.bz.cm	*		
	Tynemouth ...	1010.3	37	NE	2	bc	1010.7	0	33	+8	NW	1	-	ms	2	41	25	bm	bc	om.oms	*		
	Spurn Head ...	1009.3	39	ENE	4	orm	1009.6	+1	36	-4	NW	4	-	ov	4	10	41	35	c	c.orm	ov	0.0	
	Yarmouth (Gorleston) ...	1007.8	41	E	3	r	1009.8	+1	39	0	WNW	3	-	om	3	4	41	38	omd	omr	omy.bc	0.0	
	Clacton-on-Sea ...	1007.2	44	SE	1	m	1010.5	0	42	+2	SW	3	W	cm	2	9	46	40	ogrm	ogrm	ogr.cm	0.0	
	Nottingham ...	1009.0	37	ENE	2	or	1010.6	*	35	-1	NNE	2	-	om	*	9	39	34	dso	or	ro	0.0	
	Benson (Oxon.) ...	1008.5	41	NNW	1	of	1009.1	-1	40	0	-	0	-	r	*	10	43	37	orm	rom	od	*	
	St. Farnborough ...	*	*	WSW	3	odm	1009.5	-1	45	+4	E	2	-	orm	*	9	51	40	orm	orodm	dm.bom	0.0	
	London (Kew Obs.) ...	1008.6	45	WSW	2	om	1010.2	-1	43	+2	-	0	-	ofr	*	7	49	41	omr.ofr	omr.omr	omr.gx	0.0	
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	1.6-5.8
																					3	8-12	5.4-5.4
																					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	28.5-33.6	
																				12	Above 75	33.6 or above	
FRANCE, &c.	The Helder ...	1006.7	39	NE	2	r	1009.1	+3	41	+4	SW	4	-	o	3	15	41	37	BEAUFORT NOTATION.				
	Brussels ...																		b blue sky (not more than a quarter covered).				
	Coblenz ...	1012.2	52	S	1	bc	1015.1	+2	48	-4	W	1	-	o	*	-	?	?	bc sky partly cloudy (one half covered).				
	C. Gris Nez ...	1009.3	46	WSW	5	o	1011.7	-1	45	-5	SSW	4	SW	r	2	8	50	43	c generally cloudy (three quarters covered).				
	La Hève ...	1013.2	50	WSW	3	bc	1012.3	-1	48	-4	WSW	4	-	b	3	TRACE	55	45	d drizzle, or fine rain.				
	Cherbourg ...						1009.7	-2	50	-2	SSW	4	-	bc	3	7	54	46	e wet air without rain falling.				
	Brest (St. Mathieu) ...	1013.1	50	SW	3	o	1007.3	-4	50	0	S	4	-	f	1	1	52	46	f fog. g gloom.				
	Rennes ...	1014.6	54	SW	4	c	1012.7	-1	48	-4	SW	3	-	e	*	-	59	46	h hail. i lightning.				
	Rochefort (Ile d'Aix) ...	1017.5	52	SW	3	r	1015.7	0	50	-2	S	5	-	r	*	5	55	48	m mist.				
	Biarritz ...	1016.6	64	SSW	3	bc	1016.3	0	59	-2	S	3	S	bc	4	-	66	50	o overcast sky.				
	Paris ...	1014.3	55	SW	3	b	1015.3	-1	48	-4	SSW	3	-	o	*	TRACE	61	46	p passing showers.				
	Strasbourg ...	1014.6	55	SSW	3	c	1016.7	-1	50	0	SW	1	-	r	*	5	59	48	q squalls.				
IBERIA, &c.	Besancon ...						1017.7	?	48	-4	-	0	NNW	o	*	?	57	46	r rain.				
	Clermont ...	1018.9	52	SW	3	o	1018.3	-1	46	+5	-	0	-	o	*	6	59	47	rs sleet, i.e., rain and snow together.				
	Limoges ...	1018.3	?	SW	1	o	1017.6	?	46	-4	SE	1	SE	o	*	10	54	45	s snow.				
	Nice ...	1024.6	48	-	0	o	1021.5	+1	50	+5	W	1	-	o	3	-	54	45	t thunder.				
	Sicie ...	1022.4	50	E	3	f	1019.4	-2	48	?	E	3	-	f	3	3	50	48	u ugly, threatening sky.				
	Perpignan ...	1019.5	55	NE	1	o	1019.5	0	52	+7	NNE	1	-	f	?	-	64	45	v unusual visibility.				
	Corunna ...																	w dew.					
	Madrid ...																	x hear frost.					
	Lisbon ...	1021.1	59	SW	4	c	1021.5	+2	54	-3	N	2	-	o	?	63	54	y dry air: humidity less than 60 per cent.					
	Azores (Horta) ...	1021.5	*	N	4	b	1028.8	+2	52	0	NNW	3	*	o	2	-	59	52	z dust haze; the turbid atmosphere of dry weather.				
	„ (P. Delgada) ...	*																					
	Madeira ...	1020.2	64	W	1	o	1020.8	-1	59	0	N	4	N	r	3	2	66	59					
Gibraltar ...																							



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20923. Thursday, 6<sup>th</sup> March, 1919.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 5<sup>th</sup> March

STATIONS.	EVENING OF 4 <sup>th</sup>					MORNING OF 5 <sup>th</sup>					AFTERNOON OF 5 <sup>th</sup>				
	Barom. M.S.L.	Temp. °F.	Wind Direc.	Force 0-12	Weather.	Barom. M.S.L.	Change in 3 hours.	Temp. °F. Dry Bulb.	Change in 24 hours.	Wind Direc.	Force 0-12	Weather.	Rain-fall M.S.L.	Temp. °F. Max.	Temp. °F. Min.
<b>RUSSIA.</b>															
Sviatonos															
Kandalatska															
Archangel															
Soroka						995.1	-3	26	+1	SSW	4	0	-	*	*
<b>MEDITERRANEAN.</b>															
Algiers	1020.7	61	-	0	0	1021.7	+2	54	-7	-	0	f	-	70	52
Malta	*	*	*	*	*										
Salonica	*	*	*	*	*										
Athens	*	*	*	*	*										
Candia	*	*	*	*	*										
Limassol	*	*	*	*	*	1011.9	+1	46	+1	-	0	0	-	61	37
Alexandria	1017.3	55	NNW	6	0	1018.9	+1	55	-2	NW	6	0	1	64	50
Cairo (Helwan)	1019.4	54	NW	3	b	1021.0	+3	48	-2	W	3	0	C	63	43
<b>ITALY.</b>															
Venice	1011.9	37	-	0	b	1021.8	*	46	+3	-	0	0	TRACE	50	43
Turin	1012.3	32	-	0	b	1023.5	*	39	?	-	0	0	TRACE	50	34
Leghorn	1009.9	41	-	0	b	1021.7	*	55	+3	S	5	0	-	57	52
Rome	1006.7	41	WSW	2	b	1024.4	*	48	+3	-	0	0	-	59	45
Viesti	1006.2	45	S	1	0	1022.7	*	48	+2	W	1	0	-	52	?
Brindisi	1006.3	46	ESE	7	c										
Cagliari	1006.3	48	NW	4	0	1020.6	*	46	0	SE	3	bc	-	66	45
Palermo	1004.6	52	-	0	0	1024.3	*	54	+6	-	0	f	-	61	45
Tripoli															

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

6 <sup>th</sup> & 7 <sup>th</sup> March 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	6.32	12.5	5.38
Greenwich	...	6.29	12.4	5.30
Wick	...	6.38	12.12	5.46
Valencia	...	6.35	12.11	5.47
	...	6.57	12.24	5.50
	...	6.54	12.23	5.52
	...	7.20	12.53	6.26
	...	7.17	12.52	6.25

LONDON					24 HOURS ENDED 9 h. 6 <sup>th</sup> March				
6 <sup>th</sup> March 9h. G.M.T.									
STATIONS.	HUMIDITY.		Sun-shine for Hours.	Rain-fall.	TEMPERATURE.			WEATHER.	
	15 h.	9 h.			Max.	Min.	Min. on Grass.	Morning.	Afternoon.
GREENWICH (Royal Observatory)	98	83	0.0	51	35	34	16	or	cd.og
CITY (Bunhill Row)	*	*	0.0	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	96	84	0.0	49	36	35	14	*	*
(Roof of Admiralty Arch)	92	79	0.0	49	36	*	12	ormq	orm
CAMDEN SQ. (British Rainfall)	100	91	0.0	47	34	33	16	fr	fr
KENSINGTON PALACE	*	80	*	47	35	35	15	or	ogt
RICHMOND PARK	*	*	0.0	*	*	*	*	*	*

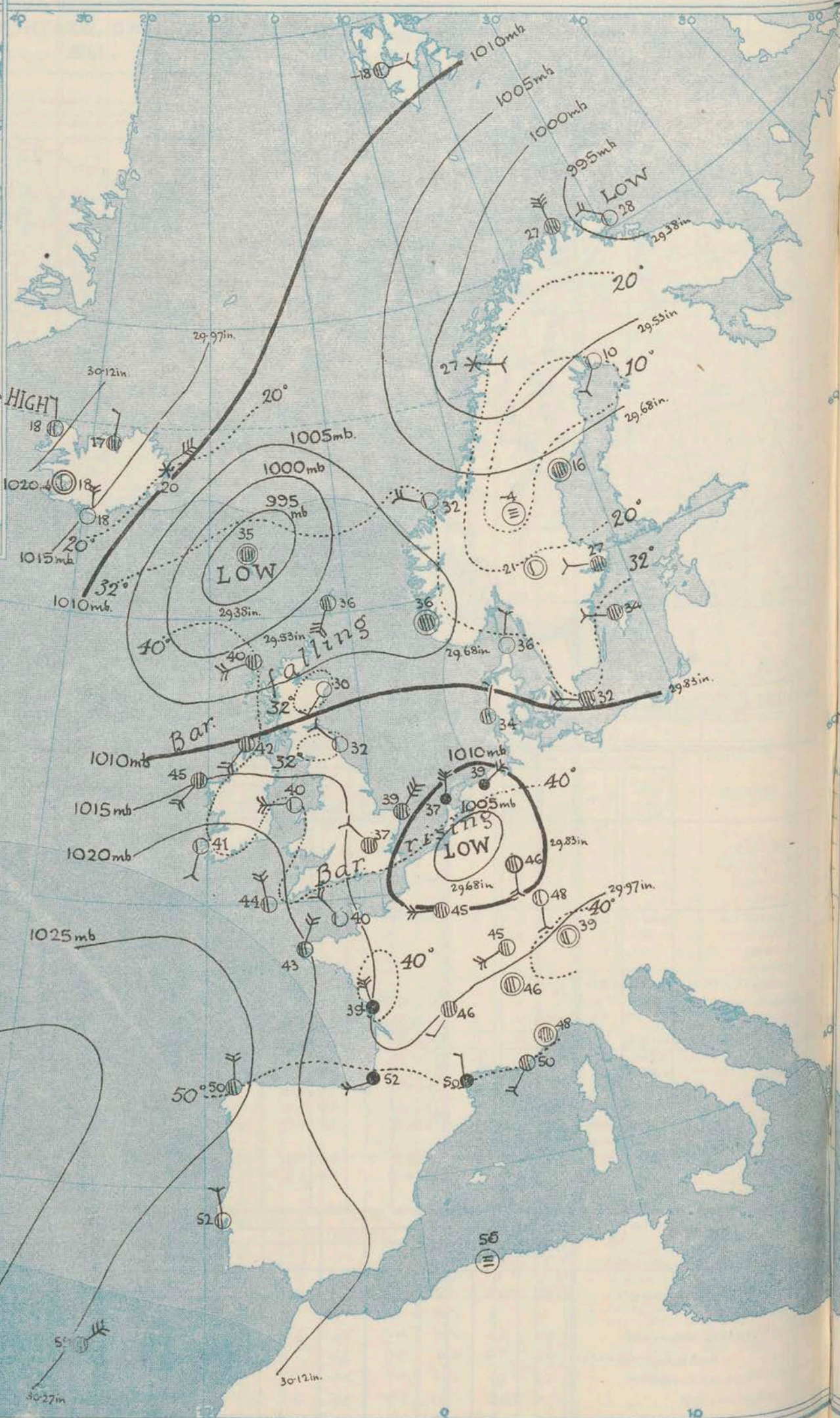
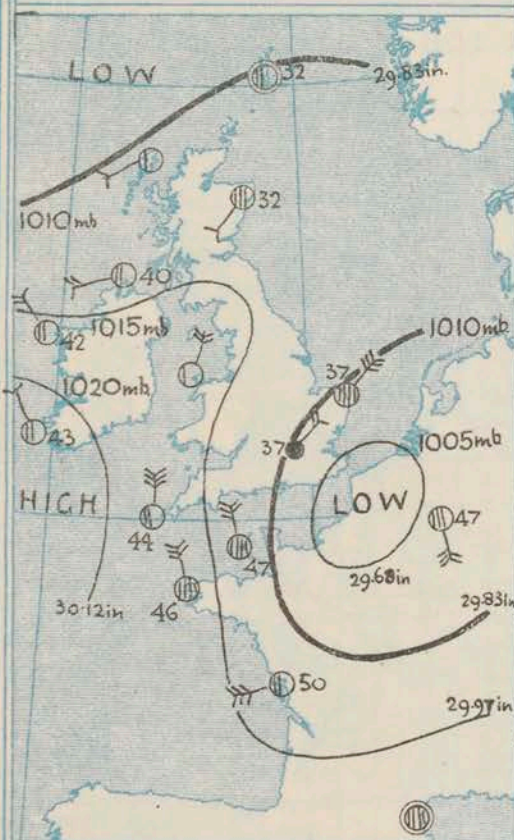
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 5 <sup>th</sup> March		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
77	1.9	11



6<sup>TH</sup> MAR, at 1h. G.M.T.

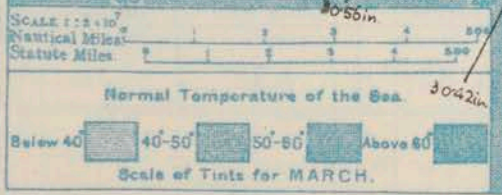
THE MORNING OF Thursday, 6<sup>TH</sup>

MARCH, 1919 at 7h. G.M.T.

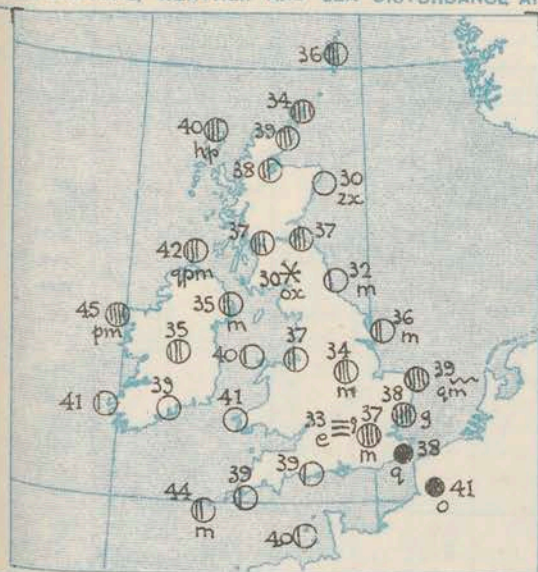


EXPLANATION.

- 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.  
 K, thunderstorm.
- SEA DISTURBANCE.**—Rough ~~~~~ High ~~~~~







NOTES.

Aurora at Houton Bay  
at 7h. 6h.

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

Weather yesterday was fine and sunny over most of the north and west of the British Isles, with more than 7 hours of bright sunshine in most of Scotland and Ireland (Eskdale 7.9 hours), but in the south of England it was overcast and rainy throughout the day until night. 27 mm of rain were recorded at Benson, and 16 mm at Greenwich and Camden Square. Temperatures remained moderate, the maximum reaching or exceeding 50°F at only a few places in the south (Jersey 54°); minima of below 32° were recorded in parts of Scotland and north Ireland (Eskdalemuir 20°F), and the minimum also fell to 32° at Benson.

The Conditions at 7h. Today

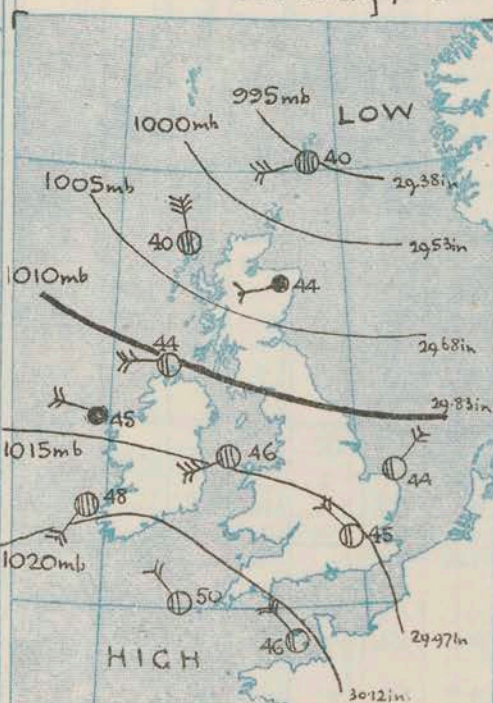
The depression which lay off the mouth of the Channel yesterday has moved eastward and now lies over Flanders, with a secondary occupying most of France. A new depression has appeared to the northward of Scotland and is now centred near the Faroes, with probably a large secondary off the west of Ireland. There is also a depression on the Murman coast. Pressure is high over the Azores, with a wedge of high pressure extending northwards to the south of Ireland; there is also a small area of high pressure in central Sweden.

The Outlook

The barometer is rising over most of England and France, but in the northwestern parts of the British Isles a fall has set in. The depression centred near the Faroes and its secondary will probably move eastward rather quickly and will cause winds between southwest and northwest, with changeable weather and some rain.

Thursday, 6<sup>th</sup>

MARCH, 1919, at 13h. (1p.m.) G.M.T.



The northern depression is now northeast of Lerwick. The barometer has commenced to fall at Valencia and Roche's Point; this indicates that a disturbance, probably of secondary type, is approaching the west coast of Ireland.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 65.

Thursday  
6th March

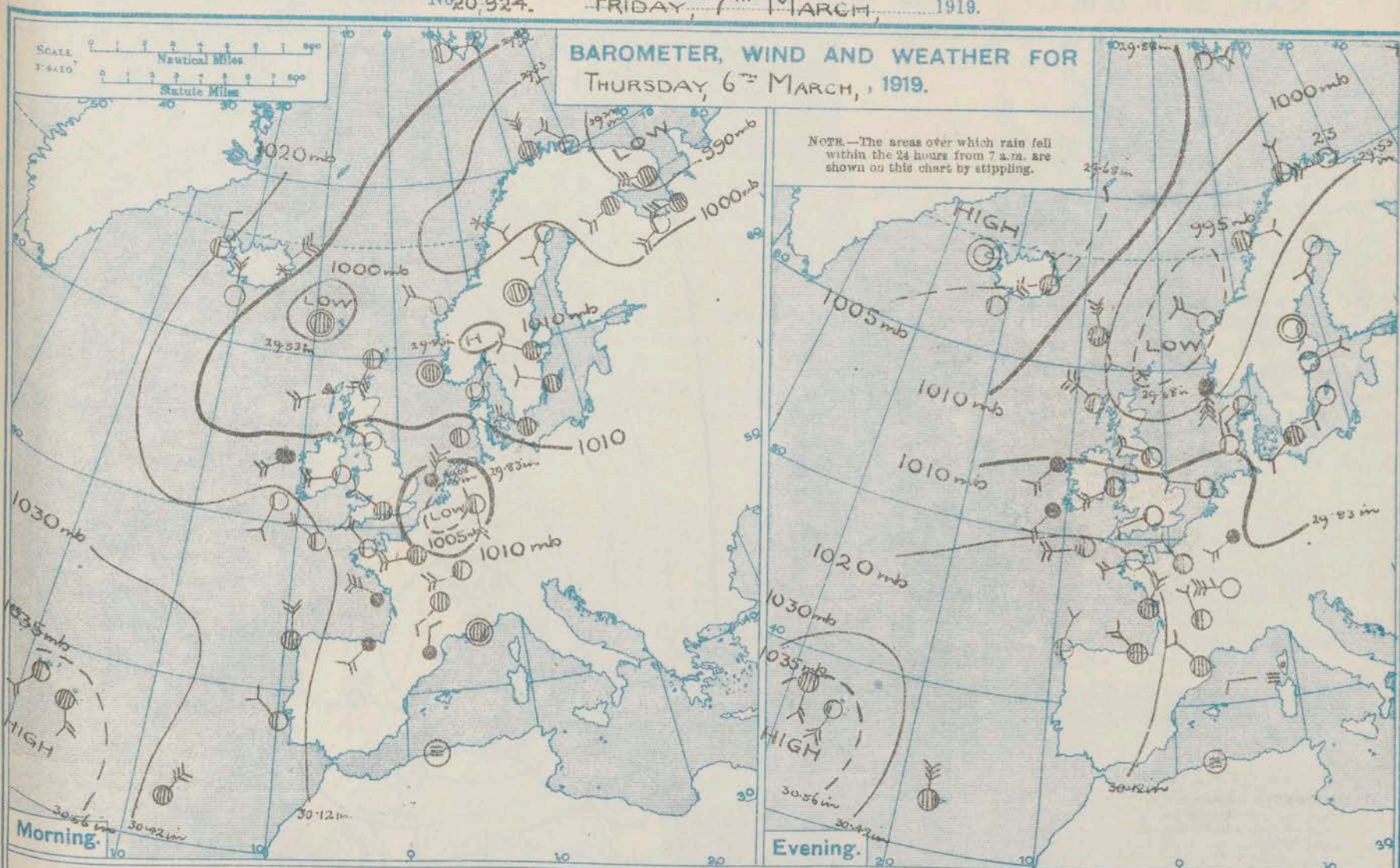
STATIONS.	EVENING OF... 5 <sup>th</sup> ...					MORNING OF... 6 <sup>th</sup> ...										24 HOURS ENDED 7 h. 6 <sup>th</sup> ...					Sun- shine in 5 <sup>th</sup> Hours.	
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometre, Milli- bars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 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	1010.9	35	WNW	3	C	1003.3	-6	36	+6	SSW	5	S	C	3	1	38	29	over	cmp	bc	*
	Houton B. (Orkney)	1012.5	32	N	2	S	1003.8	-7	34	+2	SSW	3	*	O	4	*	41	32	c.o	bc.cps	c.o.m	*
	Stornoway	1011.7	41	W	3	O	1003.4	-3	40	+7	WSW	4	-	cph	3	3	45	32	bc	bc.op.o	c.cph	4.7
	Castlehay (Barra Fed.)	1013.5	42	WNW	3	b												b	bc.b			
	Glasgow	1013.3	42	SSW	1	b	1011.4	-2	37	+10	SSW	2	SW	C	0.2	45	27	bc.mf	fb.rsp	bm.x.o.c	3.1	
	Eskdalemuir	1013.7	37	-	0	O	1013.7	-1	30	+7	-	0	-	OSX	*	44	20	bmbaby	bco.c.o	bx.ox	7.9	
	Malin Head	1013.6	43	NW	3	bc	1009.6	-6	42	+6	SW	4	W	cmgp	4	1	45	36	bc	bc	cp	7.1
	Blacksod Point	1016.3	42	WNW	1	bcv	1015.4	-2	45	+10	SW	4	-	omp	3	2	45	35	bcv	bcv	bc.omp	*
	Valencia (Cahiretvoon)	1018.4	44	NNW	3	bcv	1021.7	0	41	+4	SSW	2	-	b	3	0.4	45	37	c.bcxv	b.bcvy	bc.bbp	7.7
	Roche's Point	1015.3	44	N	4	b	1021.0	+3	39	+1	W	2	-	b	2	0.1	46	37	ox.bx	b	bx	*
	Birr Castle	1016.0	38	NNE	1	C	1018.3	*	35	+1	SW	1	-	C	*	-	46	31	C	C	Cx	7.4
	Donaghadee	1013.4	43	N	3	bm	1014.5	-2	35	-4	SW	3	SW	bcm	2	-	46	31	bcm	bm	b.b.bcm	*
	Liverpool (Bidston)	1012.7	38	NE	1	b	1015.7	+1	37	+3	W	3	NW	bc	2	-	40	34	ors	cm	bc	0.9
	Holyhead	1013.2	40	ENE	4	bx	1016.7	+1	40	+2	W	4	-	b	2	Trace	43	37	ec.c.o.m	c.b.c.b	b.bw	3.5
	Pembroke (St. Ann's)	1012.2	40	N	4	Cq	1019.0	*	41	+2	NW	2	-	b	2	-	41	39	c.c.o	c.cq	b	1.4
	Scilly (St. Mary's)	1010.5	43	N	6	om	1020.7	+3	44	-3	NNW	4	NW	bc	6	7	49	41	orom	om	o.c.bc	0.0
	Falmouth	1008.1	45	NNW	7	mq	1019.4	+5	39	-9	N	2	-	b	*	17	50	37	fmer	rod.mq	og.qz	0.4
	Jersey (St. Aubin)	1003.3	49	WSW	4	op	1016.9	+3	40	-9	NNW	3	N	b	3	12	54	39	op.bq	cp.bc.o	bc.p.b	3.4
	Portland Bill	1004.1	46	NNE	5	op	1015.8	+5	39	-7	NNW	5	-	b	4	15	48	39	op	op	bc	*
	Dungeness	1006.2	47	S	2	Cp	1009.5	+6	38	-8	N	5	-	rq	4	14	50	36	cp.c	cp.c	Cq.rq	*
NORTHERN EUROPE, ICELAND, &c.	Wick	1011.3	38	W	2	om	1003.6	-7	39	+5	W	4	-	C	3	0.4	44	28	omr.bc	bc.om	o.bcm	*
	Nairn	1011.4	39	-	0	bc	1004.9	*	38	+5	W	2	-	bc	1	-	45	32	bc	bc	bc	7.5
	Aberdeen	1012.9	37	NW	1	bz	1008.5	-4	30	-1	SW	1	-	bzx	2	-	42	29	bcx.bv	bvy.bz	bx	7.4
	Leith	1011.7	40	SW	1	bc	1010.7	-1	37	+7	SW	2	SW	C	2	-	47	30	cm.bc	bc.c.bc	bcmb	*
	Tynemouth	1011.3	40	NE	2	bc	1012.5	0	32	-1	NW	2	-	bm	2	-	44	31	bcn	bc	bm	*
	Spurn Head	1010.9	39	N	4	Cx	1014.3	+1	36	0	N	3	-	bcn	4	-	40	36	bx	cv	bcq	0.0
	Yarmouth (Gorleston)	1009.1	40	NE	4	O	1011.0	+3	39	0	NE	6	-	omq	6	1	42	38	om	omd	omdg	0.0
	Clacton-on-Sea	1008.1	40	N	3	T	1011.2	+7	38	-4	NNW	4	N	ogr	2	8	45	37	c.omp	ogmr	ogr	0.0
	Nottingham	1011.1	38	NNE	2	O	1014.9	*	34	-1	NW	1	NW	cm	*	-	39	33	ro	omo	o.c.b	0.1
	Benson (Oxon.)	1008.0	37	NE	5	OP	1014.6	+8	33	-7	NW	4	-	em	*	27	44	32	op	r	r.s.bc	*
	St. Farnborough	*	*	NE	5	OPm	1014.5	+6	34	-11	N	2	-	bm	*	22	53	33	dmbom	OPm	mr.sr	0.1
	London (Kew Obsv.)	1007.7	39	NE	3	OMP	1013.8	+6	37	-6	NW	2	-	om	*	12	49	35	omr.fdg	of.dg.omr	omr.om	0.0
FRANCE, &c.	Isafjord	1017.3	20	N	8	O	1020.8	+2	18	0	N	1	-	bc	*	*	*	*	*	*	*	*
	Reykjavik	1010.4	21	N	6	bc	1017.7	+1	18	+2	-	0	-	b	*	*	*	*	*	*	*	*
	Vestmanna	1006.6	26	-	0	S	1014.7	+3	18	-6	N	4	-	b	*	*	*	*	*	*	*	*
	Seydisfjord	1010.9	18	NW	2	bc	1013.2	+4	20	+12	NE	6	-	S	*	*	*	*	*	*	*	*
	Thorshavn	1010.6	27	NW	2	b	993.0	-6	35	+11	-	0	-	O	*	*	*	*	*	*	*	*
	Spitsbergen														*	*	*	*	*	*	*	*
	Vardö	998.3	30	N	5	S	994.1	+2	28	-6	NW	3	-	b	4	*	34	28	*	*	*	*
	Gjesvær	991.4	28	N	4	O	995.1	*	27	-5	N	6	-	O	4	2	32	25	*	*	*	*
	Bodö	1000.6	28	NW	3	C	997.9	-1	27	-5	ESE	2	-	S	2	*	32	23	*	*	*	*
	Christiansund	1005.9	32	NW	3	C	1005.2	0	32	+2	WNW	3	-	b	4	5	34	28	*	*	*	*
	Skudesnaes	1003.8	34	N	1	b	1000.4	-1	36	0	-	0	-	O	-	Trace	39	?	*	*	*	*
	Færder (X'iania Fjord)	1005.9	36	W	2	b	1008.4	+0	30	-4	-	0	S	b	1	-	36	28	*	*	*	*
IBERIA, &c.	Haparanda	996.2	27	SW	4	O	1001.2	+2	16	-9	SW	2	-	b	0	-	32	9	*	*	*	*
	Hernösand	1003.9	28	-	0	b	1006.4	+1	16	-12	-	0	-	b	0	-	37	14	*	*	*	*
	Stockholm	1005.0	30	-	0	b	1006.6	-2	27	-1	WNW	2	-	O	0	-	37	25	*	*	*	*
	Wisby	1006.0	30	SW	2	b	1006.4	+2	34	+4	WNW	2	-	O	1	-	34	27	*	*	*	*
	Karlstad	1005.5	32	S	2	b	1008.4	+3	21	-7	-	0	-	b	*	-	37	18	*	*	*	*
	The Scaw (Skagen)	1006.7	36	W	2	bc	1008.3	+1	36	+6	NNE	2	-	b	2	-	41	30	*	*	*	*
	Blaavands Huk	1011.4	34	NNE	1	O	1010.7	+0	34	+4	NNE	1	-	C	*	-	39	28	*	*	*	*
	Copenhagen	1009.2	32	NW	2	bc	1009.7	+0	34	+2	WNW	2	-	m	*	-	36	32	*	*	*	*
	Bornholm	1007.1	34	N	4	m	1009.1	+1	32	-2	WNW	3	-	O	-	9	36	28	*	*	*	*
	The Helder	1009.0	39	WSW	1	O	1007.7	+1	37	-4	NNE	5	-	r	3	2	43	37	*	*	*	*
	Brussels														*	*	*	*	*	*	*	*
	Coblenz	1012.2	50	SW	2	bc	1008.2	-3	46	-2	S	3	-	C	*	-	?	?	*	*	*	*
IBERIA, &c.	C. Gris Nez	1007.7	46	SSW	3	r	1008.7	+6	37	-8	N	6	N	r	6	29	52	37	*	*	*	*
	La Hève	1005.9	50	SSW	5	C	1013.7	+8	34	-14	NNW	6	N	r	6	2	55	39	*	*	*	*
	Cherbourg						1015.7	+6	41	-9	NW	6	-	C	6	17	57	41	*	*	*	*
	Brest (St. Mathieu)	1007.5	48	NW	5	f	1020.3	+1	43	-7	NNE	4	-	C	5	5	52	41	*	*	*	*
	Rennes	1006.3	50	SSW	5	r	1017.3	+4	41	-7	NW	3	-	O	*	1	55	39	*	*	*	*
	Rochefort (Ile d'Als)	998.6	52	W	6	C	1015.0	+3	39	-11	NNW	5	-	r	*	-	59	39	*			



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,924.

FRIDAY, 7<sup>th</sup> MARCH, 1919.



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

STATIONS.		EVENING OF 5 <sup>th</sup> .....					MORNING OF 6 <sup>th</sup> .....										AFTERNOON OF 6 <sup>th</sup> .....					
		BAROM. Milli- bars at M.S.L.	TEMP.  ° F.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.
RUSSIA.																						
Sviatonos ...																						
Kandalatska ...																						
Archangel ...																						
Soroka ...																						
MEDITERRANEAN.																						
Algiers ...		1017.4	55	E	2	f	1017.3	+1	55	+1	-	0	f	-	59	54						
Malta ...		*	*	*	*	*																
Salonica ...																						
Athens ...																						
Candia ...																						
Limassol ...		*	*	*	*	*	1018.0	+1	46	0	-	0	bc	-	59	34						
Alexandria ...		1021.6	57	NNW	5	c	1023.4	+2	61	+6	NNW	4	bc	TRACE	61	54						
Cairo (Helwan) ...		1022.9	54	NW	2	bc	1025.1	+4	50	+2	SE	2	0	TRACE	59	48						
ITALY.																						
Venice ...		1019.0	46	-	0	f	1016.1	*	46	0	-	0	0	3	48	46						
Turin ...		1018.5	46	-	0	b	1017.4	*	41	+2	-	0	f	-	55	39						
Leghorn ...																						
Rome ...																						
Viesti ...																						
Brindisi ...																						
Cagliari ...																						
Palermo ...																						
Tripoli ...																						
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																						
1 <sup>st</sup> March 1919.																		Sunrise.	Noon.	Sunset.		
																		G.M.T.	G.M.T.	G.M.T.		
Yarmouth ...																		6.29	12.4	5.39		
Greenwich ...																		6.26	12.4	5.41		
																		6.35	12.11	5.47		
Wick ...																		6.33	12.11	5.49		
																		6.54	12.23	5.52		
Valencia ...																		6.51	12.23	5.54		
																		7.17	12.52	6.28		

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

Station	6 <sup>th</sup> March 1919.	Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	6.29	12.4	5.39
Greenwich	...	6.26	12.4	5.41
Wick	...	6.35	12.11	5.47
Valencia	...	6.33	12.11	5.49
	...	6.54	12.23	5.52
	...	6.51	12.23	5.54
	...	7.17	12.52	6.28
	...	7.15	12.52	6.30

LONDON				24 HOURS ENDED 6 h. 15 m. 1919.									
7 <sup>th</sup> March 1919. 9 h. G.M.T.				Humidity.		Sun-shine for 6 h.	TEMPERATURE.			Rain-fall.	WEATHER.		
				15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)	...	74	96	6.3	47	39	31	1	c.bc.c	c.bc	b.c.o		
CITY (Bunhill Row)	...	*	*	6.7	*	*	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	...	73	93	7.0	48	40	33	2	*	*	*	*	*
(Roof of Admiralty Arch)	...	71	93	7.0	49	39	*	1	bc.m	b.bc	bc.o.or		
CAMDEN SQ. (British Rainfall)	...	69	92	7.2	49	38	35	2	bc	bc	*	*	*
KENSINGTON PALACE	...	*	89	*	48	39	30	2	bc	b	*	*	*
RICHMOND PARK	...	*	*	*	*	*	*	*	*	*	*	*	*

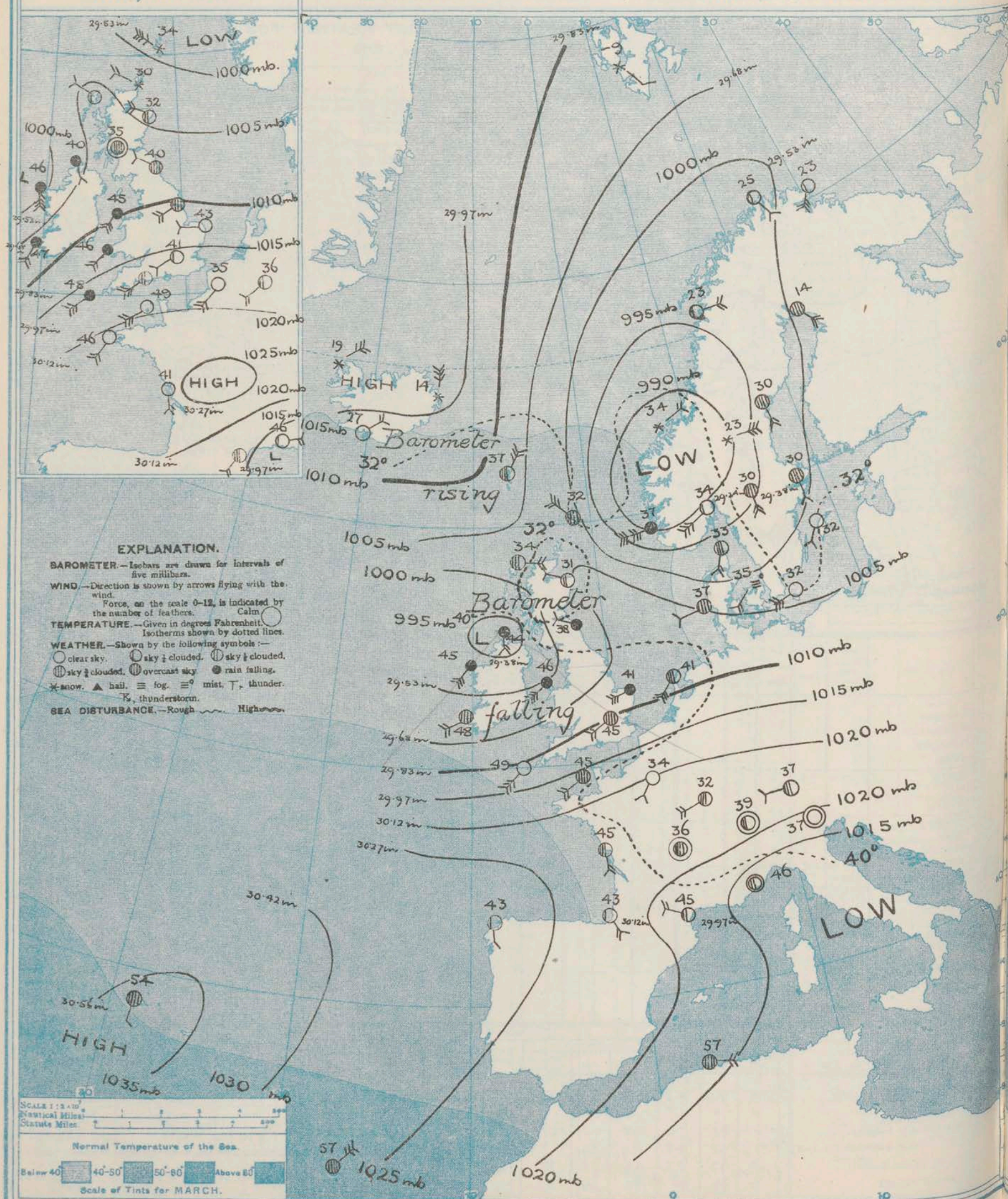
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 6 h.		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
870	21.7	50

Printed at the Meteorological Office, South Kensington, London, S.W.7.  
 45 WYMAN & SONS LTD., Fetter Lane, London, E.C.4, and Reading.  
 NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.  
 † The barometric change is expressed in half-millibars.



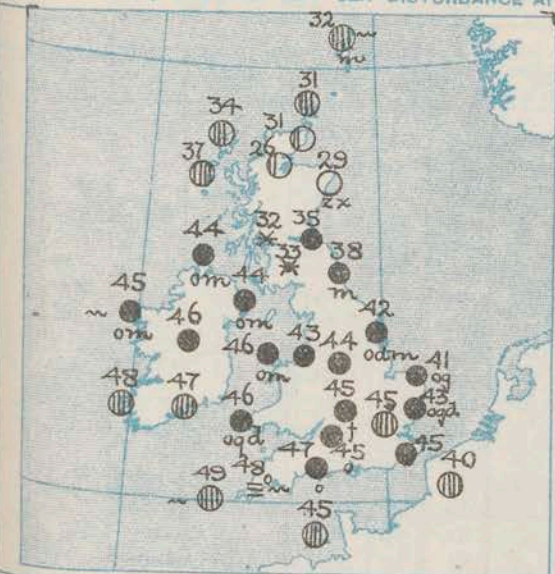
7<sup>TH</sup> MAR, at 1h. G.M.T.

THE MORNING OF FRIDAY, 7<sup>TH</sup> MARCH, 1919 at 7h. G.M.T.





TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

Lerwick

Gale. NNW 20h (6th)  
- 3h (7th).

Est. NNW 8 at 20h (6th)

Houston Bay-

NW 8 at 6 pm (6th)

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

Some precipitation was recorded yesterday at all stations, reaching 26 mm. at Blacksod Point; in Scotland it was partly snow or hail. The amounts in general, however, were small, and over most of England rain did not set in until night, and the weather during the day was fair or fine, sunshine reaching 8.9 hours at Falmouth and 8.8 hours at Jersey; no station was entirely sunless. Temperatures were moderate, the highest maximum being 51° in the south-west; low minima were experienced in north-east Scotland (Wick 24°).

The Conditions at 7h. Today.

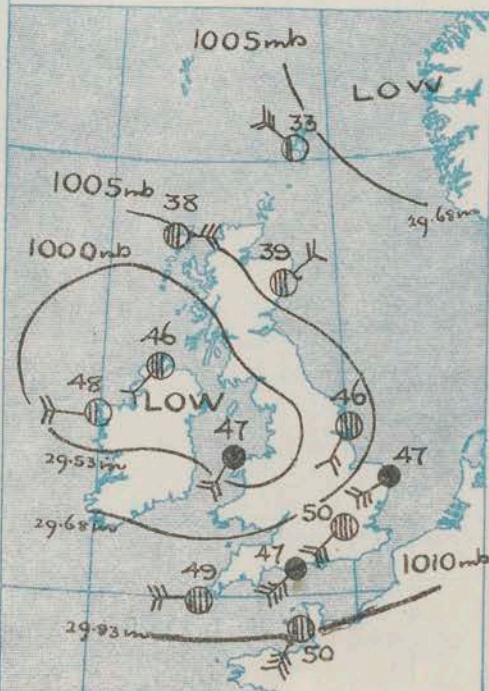
The depression which was centred near the Farøe yesterday now lies over Southern Norway, where the wind is about 70 mph. from W. at Skudesnaes. A new depression has appeared off the north-west of Ireland and is now centred near Malin Head; there are indications of a secondary disturbance off the Mouth of the Channel which caused a gale from SSW. at Falmouth at 8 a.m. Pressure is high over the Azores with an anticyclonic ridge across Spain and Central France; pressure is also high north of Iceland.

The Outlook

The barometer is rising in the Orkneys and Shetlands, but is falling over the rest of the British Isles, most rapidly in the Irish Sea, and the depression centred near Malin is moving south-eastward across England. In its rear the winds will change to between NW. and NE. and the weather will become changeable and showery.

FRIDAY, 7<sup>th</sup>

MARCH, 1919, at 13h. (1p.m.) G.M.T.



The depression has now developed a double centre, one between Malin Head and Castlebay and the other near Barrow. Pressure is rising in the north-west and falling in the south-east and the depression as a whole is probably moving south-eastwards, but the winds in its rear will be less strong than was anticipated this morning.



STATIONS.	EVENING OF 6 <sup>th</sup> .....					MORNING OF 7 <sup>th</sup> .....										24 HOURS ENDED 7 h. ....							Sun- shine for 6 <sup>th</sup> Hours.
	Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-2.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Force 0-12.	Dir.				Dry Bulb.	Change in 24 hours.	Force 0-12.	Dir.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	993.1	34	WNW	6	ops	1001.1	+4	32	-4	NW	5	-	om	5	4	43	30	omp	op	op,ps	*	
	Houton B. (Orkney)	999.6	31	NW	8	cq	1004.4	+1	31	-3	N	4	*	c	3	*	41	30	crsq	bc.cprs	bc.cprs	*	
	Stornoway	1006.1	37	NW	6	bcq	1003.6	-1	34	-6	E	4	-	cq	3	1	43	30	cpq	c.bcq	c	5.3	
	Castlebay (Barra Isd.)	1008.7	40	NNE	2	o	999.5	-3	37	?	E	5	-	o	5	2	44	36	op.ct	ro.c.o	o.c.o	4.1	
	Glasgow	1007.1	40	W	3	bc	1002.7	-3	32	-5	NE	3	-	s	*	2	44	31	c.bc.op	o.c.p.bc	b.o.s	2.3	
	Esksdalemair	1008.6	38	SSW	3	o	1002.7	-5	33	+3	NE	2	-	orm	*	5	42	30	om.f.ors	c.p.hrsq.o	o.orsm	1.5	
	Malin Head	1008.9	43	W	4	cq	994.1	-7	44	+2	S	3	-	omr	3	10	46	38	bcq.p	bcq.p	omr	3.8	
	Blacksod Point	1010.0	45	SW	3	omr	996.9	-2	45	0	WSW	5	-	omr	5	26	47	40	omr	omr	omr	*	
	Valencia (Cahircivon)	1015.1	49	SW	3	od	1003.0	-2	48	+7	SW	4	-	o	4	8	49	41	bv.o	opd	ror.op	0.3	
	Roche's Point	1016.1	46	WSW	4	r	1003.3	-4	47	+8	WSW	4	-	o	4	4	51	35	b.bc.c	c.od	odlo	*	
	Birr Castle	1012.1	47	SW	2	r	999.8	*	46	+11	SW	1	-	r	*	5	50	34	c	c.od.r	or.od	3.9	
	Donaghadee	1009.9	45	W	4	omp	997.3	-8	44	+9	SSW	3	-	omr	2	7	49	33	bc.mq	bc.mq	omr	*	
	Liverpool (Bidston)	1012.3	43	WSW	4	o	1003.0	-5	43	+6	SW	3	-	r	3	3	46	37	bc	op	or	3.7	
	Holyhead	1012.3	46	WSW	4	cq	1000.3	-7	46	+6	SW	6	-	orm	5	8	48	39	b.bc.c	c.og	opdre	4.0	
	Pembroke (St. Ann's)	1012.2	45	WSW	4	cq	1005.0	*	46	+5	SW	6	-	ogd	5	7	46	41	b	b.bc.c	c.or	8.0	
	Scilly (St. Mary's)	1021.9	48	W	4	bc	1010.4	-7	49	+5	SW	6	SW	o	6	1	51	43	bc	bc	opm	8.6	
	Falmouth	1020.8	45	WSW	3	b	1010.9	-5	48	+9	SW	6	-	omq	*	4	51	38	b.bc.b	b.bcyv	orq.og	8.9	
	Jersey (St. Aubin)	1020.7	46	WSW	3	b	1016.3	-1	45	+5	SW	4	-	o	3	0.1	50	39	b	b.bc.b	b.op.o	8.8	
	Portland Bill	1017.8	46	SW	3	b	1012.0	-3	47	+8	SW	5	-	or	5	3	48	39	bc	bc	cq.r	*	
	Dungeness	1016.2	43	W	3	bc	1011.9	-4	44	+6	SW	5	SW	r	4	1	48	37	q.rc	c.bc	b.bct	*	
NORTHERN EUROPE, ICELAND, &c.	Wick	1002.1	32	WNW	4	s	1003.7	-1	31	-8	NW	2	-	bc	2	4	44	24	cp.bcm	bc.oms	oms.bc	*	
	Nairn	1005.3	36	WNW	3	c	1004.0	*	26	-12	-	0	-	bc	1	1	42	25	bcp.c	bcp.c	c.bca	1.5	
	Aberdeen	1004.3	38	WNW	4	bqy	1004.8	-1	29	-1	WNW	2	-	bzx	2	TRACE	44	29	bzx.op	bcp.bq	bzx	2.3	
	Leith	1006.0	40	WSW	3	c	1003.3	-1	35	-2	SE	2	-	r	2	0.1	47	34	cpq.bc	c.bc.uc	c.bcd	*	
	Tynemouth	1007.0	42	NW	3	bcm	1003.4	-2	38	+6	NW	2	-	mr	2	0.4	46	32	cm	bcm	omr	*	
	Spurn Head	1011.5	43	W	3	cm	1005.7	-2	42	+6	SSW	3	-	odm	3	1	45	36	bcm	cm	orpm	4.8	
	Yarmouth (Gorleston)	1013.1	43	W	2	b	1009.4	-3	41	+2	WSW	5	-	ogp	4	1	47	38	omq.bc	bc.bm	omq	6.5	
	Clacton-on-Sea	1015.1	43	WNW	2	bc	1010.5	-3	43	+5	SSW	4	-	ogd	3	1	47	37	ogc.bc	bcm	bcgr	6.0	
	Nottingham	1013.1	45	W	4	cp	1006.3	*	44	+10	SW	3	SW	or	*	1	49	32	c.bm	cg	cp.o	5.3	
	Benson (Oxon.)	1016.1	43	WSW	2	b	1008.9	-4	45	+12	SSW	4	-	orm	*	1	47	33	bey	b	cr	*	
	St. Faraborough	*	*	WSW	4	b	1011.3	-3	45	+11	SSW	4	-	or	*	0.2	50	34	bm.c	c.b	b.or	8.0	
	London (Kew Obsv.)	1016.2	45	WSW	1	bz	1010.6	-4	45	+8	SW	4	-	o	*	1	48	37	om.c	bc.b	b.bca	8.1	
	Isafjord	1018.6	19	-	0	b	1018.1	+1	19	+1	NE	5	-	s	*	*	*	*	*	*	*	*	
	Reykjavik	1014.3	19	E	4	b	1014.4	+1	20	+2	E	2	-	c	*	*	*	*	*	*	*	*	
	Vestmanna	1012.3	27	NE	4	b	1014.0	+2	27	+9	ENE	3	-	b	0	*	*	*	*	*	*	*	
	Seydisfjord	1015.9	21	N	2	c	1017.3	+1	14	-6	N	6	-	s	*	*	*	*	*	*	*	*	
	Thorshavn	1003.3	28	NNW	6	o	1007.4	+1	27	-8	NNE	7	-	c	*	*	*	*	*	*	*	*	
	Spitsbergen	1009.0	24	E	2	b	1007.5	-1	9	?	SE	1	*	s	*	*	-9	-24	*	*	*	*	
	Vardö	997.3	23	W	4	b	1001.1	+3	23	+5	SW	5	-	b	3	*	28	23	*	*	*	*	
	Gjesvær	998.7	23	N	2	c	999.7	*	25	-2	SE	2	-	b	3	?	27	21	*	*	*	*	
Bodö	998.0	25	E	2	c	995.8	-3	23	-4	E	4	-	b	2	?	28	21	*	*	*	*		
Christiansund	993.3	34	WNW	3	o	987.1	-1	36	+4	ENE	3	-	s	4	?	36	32	*	*	*	*		
Skudesnaes	995.9	37	S	10	r	989.0	-13	37	+1	W	11	-	r	7	16	?	?	*	*	*	*		
Færder (X'ianialfjord)	1003.4	34	S	2	b	991.3	-2	34	-4	SW	6	-	b	3	1	34	30	*	*	*	*		
Haparanda	1002.3	14	SW	2	b	1002.7	0	14	-2	SE	4	-	o	0	-	23	3	*	*	*	*		
Hernösand	1005.6	30	-	0	b	998.0	-3	30	+14	S	4	S	c	0	-	36	16	*	*	*	*		
Stockholm	1007.3	30	E	2	b	998.3	-3	30	+3	S	2	-	o	0	-	37	27	*	*	*	*		
Wisby	1006.1	32	SW	2	b	1000.8	-3	32	-2	SW	2	-	b	1	-	36	30	*	*	*	*		
Karlstad	1006.0	28	-	0	b	993.6	-8	30	+9	S	4	-	o	*	TRACE	?	28	*	*	*	*		
FRANCE, &c.	The Scaw (Skagen)	1005.7	34	SW	1	b	996.0	-3	34	-2	SW	3	-	c	3	TRACE	41	32	*	*	*	*	
	Blaavands Huk	1009.9	34	N	1	b	1005.1	0	37	+3	W	2	-	o	*	TRACE	43	32	*	*	*	*	
	Copenhagen	1007.8	34	NNE	1	bc	1002.7	-1	36	+2	WSW	3	-	m	*	-	36	30	*	*	*	*	
	Bornholm	1007.1	34	SW	2	o	1004.6	-1	32	0	W	5	-	b	1	TRACE	36	30	*	*	*	*	
	The Helder	1012.4	37	WNW	2	b	1008.7	-2	41	+4	SW	5	-	c	2	TRACE	43	37	*	*	*	*	
	Brussels	1009.5	43	SW	3	r	1018.6	+5	36	-10	W	1	-	b	*	TRACE	?	?	*	*	*	*	
	Coblentz	1009.5	43	SW	3	r	1018.6	+5	36	-10	W	1	-	b	*	TRACE	?	?	*	*	*	*	
	C. Gris Nez	1016.8	43	W	2	r	1013.7	-3	43	+6	SW	5	-	r	5	1	46	37	*	*	*	*	
	La Hève	1020.0	43	NW	3	b	1017.2	-5	41	+7	SW	6	-	o	4	?	55	34	*	*	*	*	
	Cherbourg	1015.7	44	SW	4	r	1015.7	-4	45	+4	SW	4	-	r	4	?	57	41	*	*	*	*	
	Brest (St. Mathieu)	1023.9	48	NW	3	bc	1017.7	-5	50	+7	SW	5	-	o	4	?	50	43	*	*	*	*	
	Rennes	1022.0	45	NNW	2	b	1020.0	-3	37	+4													



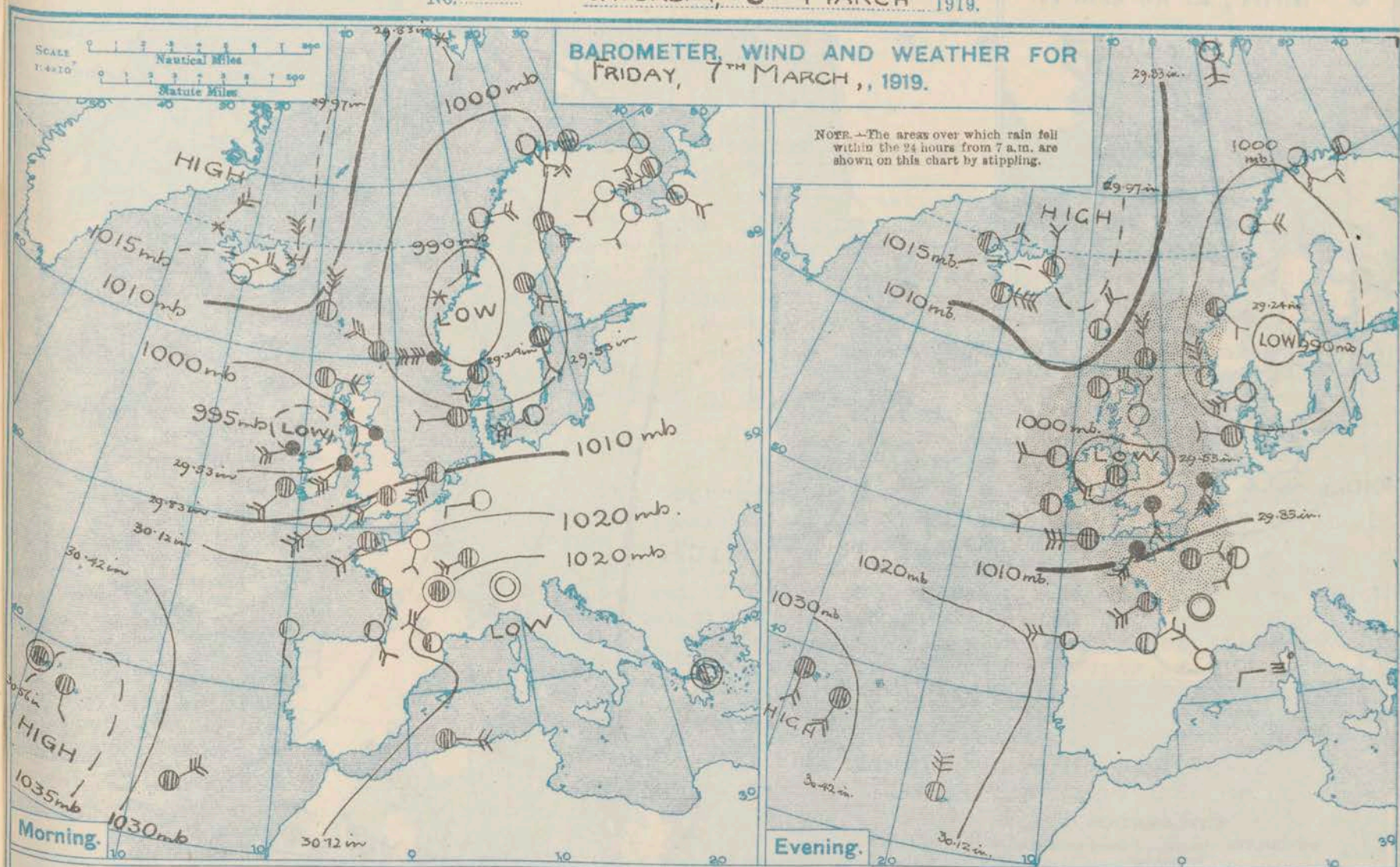
# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. ....

SATURDAY, 8<sup>TH</sup> MARCH 1919.

## BAROMETER, WIND AND WEATHER FOR FRIDAY, 7<sup>TH</sup> MARCH, 1919.

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 March 7<sup>th</sup>

STATIONS.	EVENING OF 6 <sup>th</sup>					MORNING OF 7 <sup>th</sup>					AFTERNOON OF 7 <sup>th</sup>				
	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12.	Weather.	Barom. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Change in 24 hours.	Wind Direc.	Force 0-12.	Weather.	Rain-fall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.
RUSSIA.															
Sviatonos ...															
Kandalatska ...															
Archangel ...															
Soroka ...															
MEDITERRANEAN.															
Algiers ...	1015.7	59	-	0	m	1015.3	+2	57	-2	E	4	o	-	63	55
Malta ...	*	*	*	*	*	1022.0	-2	57	?	-	0	b	-		
Salonica ...															
Athens ...	1020.6	52	-	0	bc	1019.7	+1	54	?	-	0	c	-	61	48
Candia ...															
Limassol ...	*	*	*	*	*	1018.9	0	45	-1	-	0	b	-	63	39
Alexandria ...	1023.4	59	NNW	4	bc	1024.4	+2	63	-2	-	0	bc	trace	68	55
Cairo (Helwan) ...	1023.5	61	NW	2	b	1025.6	+3	50	0	SE	1	b	-	66	48
ITALY.															
Venice ...															
Turin ...	1016.2	48	-	0	c										
Leghorn ...	1014.6	54	SW	1	o										
Rome ...	1015.8	54	SW	1	o										
Viesti ...	1015.1	54	SE	1	b										
Brindisi ...	1016.6	57	ENE	2	o										
Cagliari ...	1013.7	57	SE	3	o										
Palermo ...															
Tripoli ...															

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

8 <sup>th</sup> & 9 <sup>th</sup> March 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...		6.26	12.4	5.41
Greenwich ...		6.24	12.4	5.47
Wick ...		6.33	12.11	5.49
Valencia ...		6.31	12.11	5.51
		6.51	12.23	5.54
		6.49	12.23	5.50
		7.15	12.52	6.30
		7.13	12.52	6.32

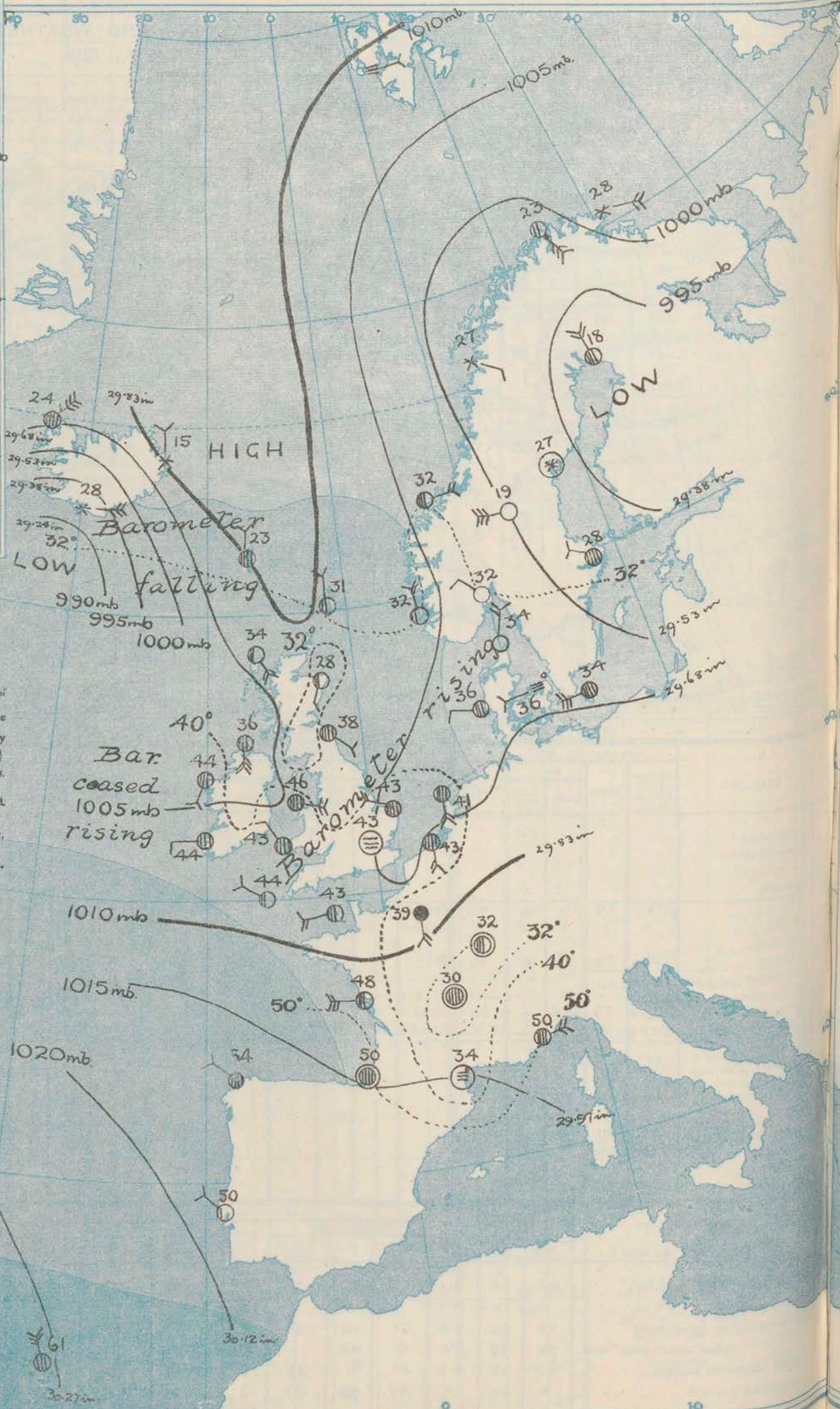
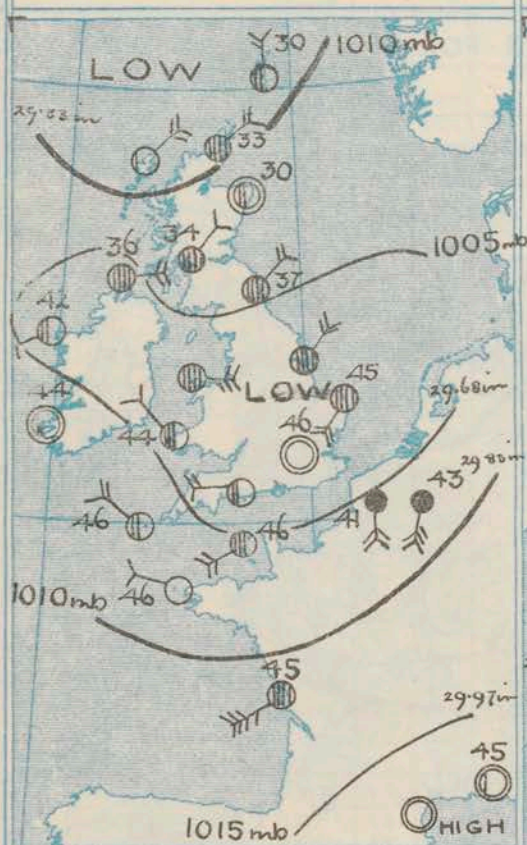
LONDON		HUMIDITY.		Sun-shine for		TEMPERATURE.		Rain-fall.		WEATHER.	
8 <sup>th</sup> March ... 9h. G.M.T.		15 h.	9 h.	7h.	8h.	Max.	Min.	Min. on Grass	mm.	Morning.	Afternoon.
GREENWICH (Royal Observatory) ...		92	94	0.1	52	42	33	7	or	or	or
CITY (Bunhill Row) ...		*	*	0.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ...		93	92	0.0	51	42	36	7	*	*	*
" (Roof near Charing Cross) ...		93	92	0.0	51	42	*	7	orm	or	or, ogm
CAMDEN SQ. (British Rainfall) ...		99	92	0.0	51	41	38	9	0.0r	or	*
KENSINGTON PALACE ...		*	90	*	47	42	37	8	or	or	*
RICHMOND PARK ...		*	*	0.0	*	*	*	*	*	*	*

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.
314	7.8	31



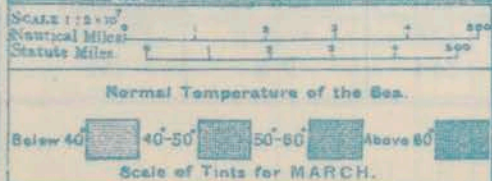
8<sup>th</sup> MAR, at 1h. G.M.T.

THE MORNING OF SATURDAY, 8<sup>th</sup> MARCH, 1919 at 7h. G.M.T.

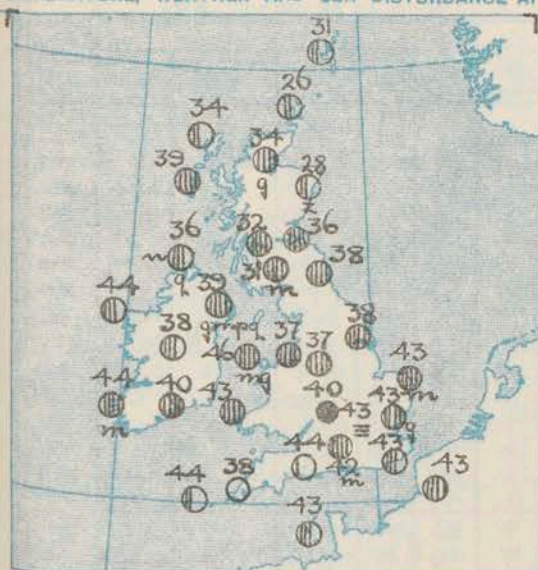


EXPLANATION.

- 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 ~~~~.







## NOTES.

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

Weather was overcast and rainy over most of the United Kingdom yesterday, no station in England exceeding 1.0 hours of sunshine (Pembroke). Rainfall reached 12 mm. at Nottingham and 11 mm. at Jersey. The North of Scotland was finer (Stornoway 6.0 hours of sunshine), with little or no rain. Some snow fell in the south and east of Scotland. Temperatures remained moderate, no maximum exceeding 52° (Greenwich), while a minimum of 24° was recorded at Nairn.

## The Conditions at 7h. Today

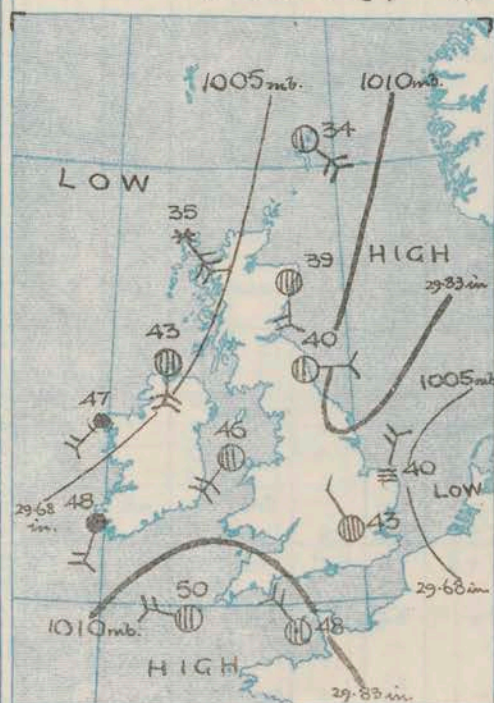
The depression which was centred near Malin Head yesterday morning has split up into two parts, of which one now lies over the Southern North Sea and is filling up. The other has merged with a deep depression which has appeared off the south-west of Iceland, and lies west of Scotland with a secondary over Ireland. The deep depression over southern Norway yesterday now lies over Finland. Pressure is high over the Azores.

## The Outlook

The barometer is rising generally over these Islands but is falling in the north-west, and the Icelandic depression will probably move eastwards across the Farøe. Winds will become South-Easterly to South-Westerly in the north-west, but over the southern part of the United Kingdom will probably be indefinite at first. Ultimately a South-Westerly type of conditions will establish itself over the whole country.

Saturday, 8<sup>th</sup>

MARCH, 1919, at 13h. (1 p.m.) G.M.T.



The depression which was south-west of Iceland this morning appears to be moving slowly eastward, and is now approaching our north-western coasts. The wind has become South-easterly over most of Scotland.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 67.

Saturday  
8th March

STATIONS.	EVENING OF... 7h...					MORNING OF... 8h...										24 HOURS ENDED 7h... 8h...					Sun- shine for 7h.
	Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Force 0-12.	Dir.			Dry Bulb.	Change in 24 hours.						Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	1007.8	32	N	5	0	1009.5	-1	31	-1	N	2	1	35	27	bc	oqps	bc	Hours.		
	Houton B. (Orkney) ...	1008.8	30	NNE	6	bc	1009.5	-1	26	-5	ENE	3	*	40	26	c.oq	bc.c	abc.v	*		
	Stornoway ...	1007.6	35	NE	5	c	1005.7	-3	34	0	ESE	4	-	39	32	bc	c	bc.cq	6.0		
	Castlebay (Barra Isd.) ...	1004.1	38	E	4	bc	1004.0	-2	39	+2	SSE	5	-	39	36	osp.c.o	o.b	bc.o	2.7		
	Glasgow ...	1004.2	32	ENE	4	o	1008.1	0	32	0	ENE	2	-	33	29	s	sosp	o	0.0		
	Esksdalemuir ...	1003.7	31	NE	6	osm	1008.6	+1	31	-2	NE	2	-	33	30	osm	osm	oms	0.0		
	Malin Head ...	998.6	39	E	4	oqmqp	1002.1	-2	36	-8	S*	5	Sw	47	35	cm	omq	cq	0.0		
	Blacksod Point ...	1000.5	45	W	3	bcx	1003.4	0	44	-1	SW	2	-	48	40	bcx	bcx	bcx	*		
	Valencia (Cahirciveen) ...	1002.8	46	WSW	2	bc	1007.7	0	44	-4	W	1	-	48	39	op	op.c.b	bc.b	2.7		
	Roche's Point ...	1002.7	46	WNW	3	c	1008.1	+3	40	-7	W	1	-	49	38	opq	o.c	c.b.o	*		
	Birr Castle ...	1001.8	42	W	1	c	1006.3	*	38	-8	SW	1	W	51	36	cp	cp	c	2.4		
	Donaghadee ...	1000.0	39	ESE	5	ogmqp	1006.5	0	39	-5	ESE	4	-	48	35	omp	omr	omr	*		
	Liverpool (Bidston) ...	999.5	45	W	3	p	1006.8	+2	37	-6	ENE	2	-	49	37	rop	or	cem	0.0		
	Holyhead ...	999.3	46	WSW	3	cgr	1005.5	+2	46	0	E	4	-	48	39	omcem	op.a.c	opdom	0.0		
	Pembroke (St. Ann's) ...	1001.7	45	W	3	c	1007.9	+4	43	-3	NNW	1	-	47	43	ogmd	o.c	opdom	1.0		
	Scilly (St. Mary's) ...	1004.7	47	W	6	o	1008.8	+1	44	-5	NW	2	W	50	43	omr	om	bc	0.0		
	Falmouth ...	1004.0	46	WSW	4	bcx	1008.0	+2	38	-10	NW	2	-	49	38	ogd	ogd.v	cp.b.c	0.0		
	Jersey (St. Aubin) ...	1007.6	47	SW	5	op	1007.1	0	43	-2	W	3	-	50	42	o	or	or.c	0.0		
	Portland Bill ...	1003.9	46	WSW	5	op	1005.5	+2	44	-3	WNW	3	-	48	44	ogp	or	bc	*		
	Dungeness ...	1006.0	46	SW	6	p	1004.9	+1	43	-1	SW	2	Sw	47	43	p.o.c	c.or	ogp.c	*		
NORTHERN EUROPE, ICELAND, &c.	Wick ...	1007.7	35	N	3	cm	1008.6	-2	34	+3	NE	3	-	37	27	bc	bcmps	omr	*		
	Nairn ...	1006.8	35	NE	2	c	1008.4	*	29	+3	-	0	-	38	24	bc.cq	cq	c.b.c	3.8		
	Aberdeen ...	1006.6	35	NNE	2	bv	1009.0	0	28	-1	SSW	1	-	41	27	bcx	bcx	bcx	1.9		
	Leith ...	1004.3	35	E	3	p	1008.1	0	36	+1	ESE	1	-	38	32	rs	rsd	rsd	*		
	Tynemouth ...	1002.0	35	ENE	4	ry	1007.2	+2	38	0	E	2	-	39	35	omp	omr	om	*		
	Spurn Head ...	999.5	46	SW	2	o	1006.3	+3	38	-4	NE	4	-	48	37	o	o	o	0.0		
	Yarmouth (Gorleston) ...	1003.0	47	WSW	6	p	1003.6	+1	43	+2	WNW	3	-	48	41	ogp	ogp	bcg.do	0.0		
	Clacton-on-Sea ...	1004.8	45	SSW	5	p	1004.1	+1	43	0	W	3	-	48	41	ogp	ogp	ogp	0.1		
	Nottingham ...	1000.1	47	WSW	2	op	1006.6	*	37	-7	NE	2	NE	49	36	rop	op	to	0.0		
	Benson (Oxon.) ...	1002.1	46	SSW	1	p	1005.2	+3	40	-5	NNW	1	-	49	39	cr	og.o	od	*		
	Sth Farnborough ...	*	*	SW	6	opm	1005.7	+3	42	-3	WNW	2	-	51	39	b.o.p	orm	orm	0.0		
	London (Kew Obsv.) ...	1003.7	47	S	3	op	1005.2	+2	43	-2	-	0	-	51	42	b.o.p	orm	orm	0.0		
	FRANCE, &c.	Isafjord ...	1016.3	20	NE	3	c	1005.0	-5	24	+5	NE	7	-	*	*	*	*	*		
		Reykjavik ...	1011.1	27	E	3	c	993.0	-10	28	+8	E	9	-	*	*	*	*	*		
		Vestmanna ...	1011.3	28	E	8	c	990.6	-15	28	+1	E	5	-	*	*	*	*	*		
		Seydisfjord ...	1017.6	13	N	3	c	1010.9	-3	15	+1	N	2	-	*	*	*	*	*		
		Thorshavn ...	1012.4	27	NNE	3	bc	1010.0	-4	23	-4	N	2	-	*	*	*	*	*		
		Spitsbergen ...	1006.3	-11	S	4	b	1009.3	+1	-17	-8	E	2	*	*	*	*	*	*		
		Vardö ...	1003.9	21	SW	3	bc	1000.7	-3	28	+5	ESE	4	-	28	19	S	bc	bc		
		Gjesvær ...	1001.2	19	SE	3	b	997.1	*	23	-2	SE	5	-	27	16	bc	bc	bc		
Bodö ...		993.5	23	E	4	b	995.8	0	27	+4	ESE	1	-	27	18	S	bc	bc			
Christiansund ...		995.7	32	ESE	2	c	1004.3	+3	32	-4	E	3	-	36	28	c	bc	bc			
Skudesnaes ...		997.7	36	NNW	5	b	1005.5	+3	32	-5	N	3	-	37	30	b	bc	bc			
Færder (X'aniafjord) ...		991.7	36	NNW	2	b	1003.1	+4	32	-2	NW	1	-	39	32	b	bc	bc			
Haparanda ...		998.6	21	SSE	4	c	993.0	-3	18	+4	N	4	-	21	14	c	bc	bc			
Hernösand ...		993.2	30	SSW	2	o	996.2	+3	27	-3	-	0	-	37	25	S	bc	bc			
Stockholm ...		992.2	32	S	2	o	995.9	+8	28	-2	NW	2	-	34	27	o	bc	bc			
Wisby ...		996.8	36	WSW	4	b	998.7	+6	32	0	WNW	6	-	37	32	c	bc	bc			
Karlstad ...		988.8	34	W	2	o	1001.6	+8	25	-5	W	4	-	37	23	b	bc	bc			
The Scaw (Skagen) ...		993.6	36	WSW	6	b	1002.6	+4	34	0	NNE	3	-	39	32	b	bc	bc			
Blaavands Huk ...		1000.5	37	WNW	2	o	1004.8	+1	36	-1	WNW	1	W	39	32	c	bc	bc			
Copenhagen ...		1002.6	36	WSW	3	o	1004.6	+3	36	0	W	2	-	39	32	m	bc	bc			
Bornholm ...	1002.6	32	WSW	6	s	1004.4	+4	34	+2	WNW	5	-	36	30	o	bc	bc				
IBERIA, &c.	The Helder ...	1004.6	43	SSW	6	p	1003.3	0	41	0	S	4	-	43	41	o	bc	bc			
	Brussels ...	1015.1	45	S	1	o	1010.3	-3	37	+1	S	2	-	43	41	o	bc	bc			
	Coblentz ...	1015.1	45	S	1	o	1010.3	-3	37	+1	S	2	-	43	41	o	bc	bc			
	C. Gris Nez ...	1007.7	45	SSW	5	p	1008.2	+1	45	+2	WSW	3	W	46	41	o	bc	bc			
	La Hève ...	1010.3	48	SW	6	o	1007.0	-4	43	+2	W	4	W	50	41	o	bc	bc			
	Cherbourg ...	1005.7	*	*	*	*	1005.7	*	45	0	NW	3	SW	50	45	o	bc	bc			
	Brest (St. Mathieu) ...	1008.7	48	W	5	p	1009.3	+1	48	-2	NW	4	-	52	46	c	bc	bc			
	Rennes ...	1012.2	48	SSW	5	o	1008.8	+1	41	+4	W	1	-	52	37	b	bc	bc			
	Roche fort (Ile d'Aix) ...	1017.5	48	SW	5	c	1010.6	0	48	+3	WNW	5	-	52	45	c	bc	bc			
	Biarritz ...	1018.9	50	NNE	2	bc	1014.6	-1	50	+7	-	0	-	55	43	o	bc	bc			
	Paris ...	1014.4	46	SSW	3	b	1008.7	-2	39	+5	S	3	-	52	34	p	bc	bc			
	Strasbourg ...	1017.1	48	SW	2	bc	1014.1	-2	32	-4	S	1	-	50	32	p	bc	bc			
	Besancon ...	1013.5	42	-	0	b	1013.5	+2	32	-2	-	0	-	50	28	r	bc	bc			
	Clermont ...	1018.6	39	-	0	b	1013.5	-3	30	-6	-	0	-	50	27	r	bc	bc			
	Limoges ...	1017.9	*	-	0	b	1013.6	+4	36	+4	-	0	-	52	32	s	bc	bc			
	Nice ...	1014.7	-3	-	0	b	1014.7	-3	45	-1	-	0	-	59	43	t	bc	bc			
	Sicie ...	1012.3	48	W	2	b	1012.7	-1	50	?	ENE	4	NE	61	48	u	bc	bc			
	Perpignan ...	1011.7	50	NW	2	b	1015.1	-1	34	-9	-	0	-	57	34	v	bc	bc			
	IBERIA, &c.	Corunna ...	1019.9	55	WNW	3	b	1018.7	+2	54	+11	NW	2	-	55	43	x	bc	bc		
		Madrid ...	1017.3	52	NNW	4	b	1017.9	+1	50	?	NNW	2</								

## 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

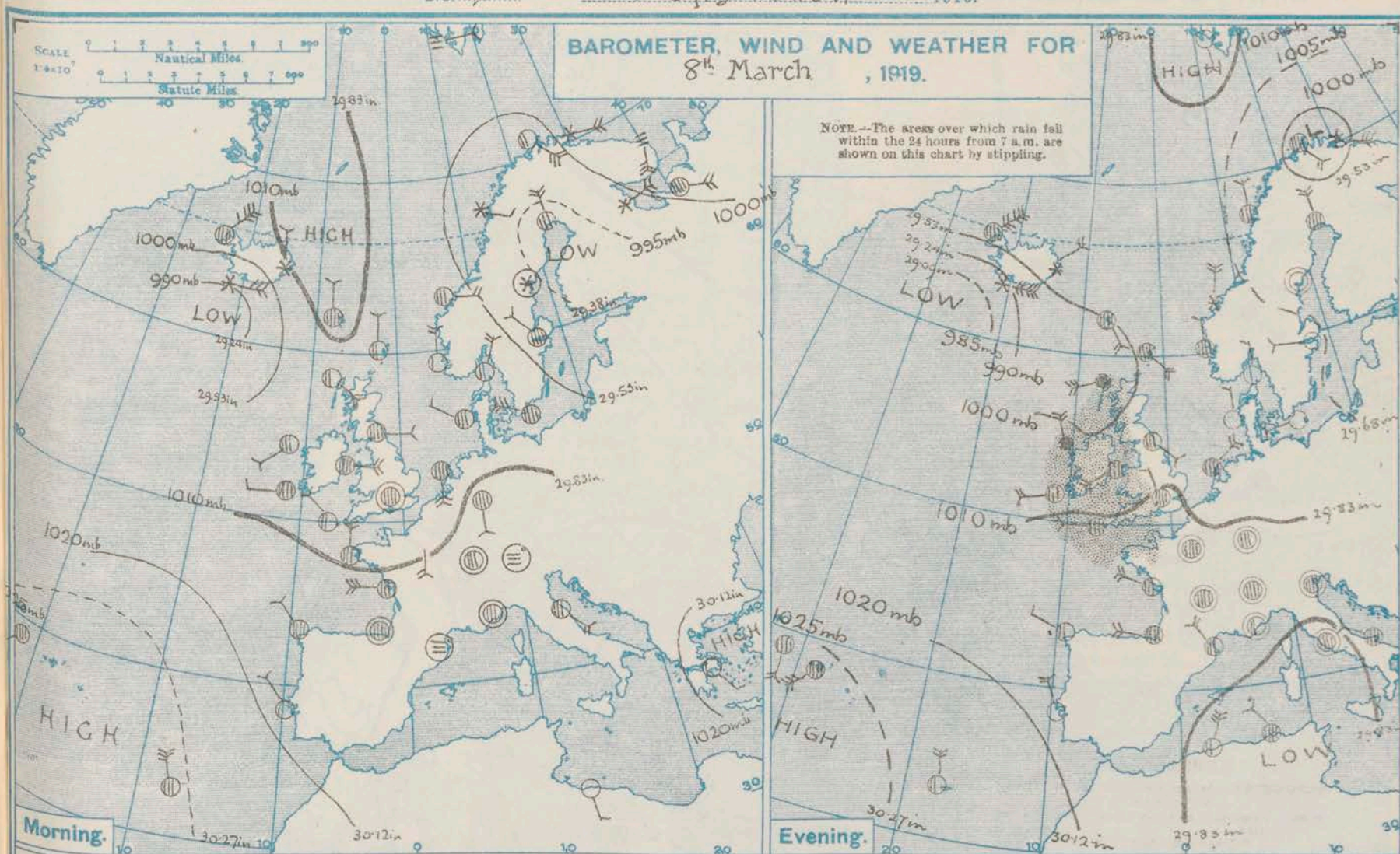


# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,926

Sunday 9<sup>th</sup> March

1919.



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

STATIONS.		EVENING OF 7 <sup>th</sup>					MORNING OF 8 <sup>th</sup>								AFTERNOON OF 8 <sup>th</sup>							
		Barom. Milli- bars at M.S.L.	TEMP.  ° F.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.  ° F.	Change in 24 hours.  ° F.	Dirac.	Force 0-12.		Max.	Min.			Dry Bulb.  ° F.	Change in 24 hours.  ° F.	Dirac.	Force 0-12.	Weather.
RUSSIA.	Sviatonos ...																					
	Kandalatska ...																					
	Archangel ...																					
	Soroka ...																					
	Algers ...																					
MEDITERRANEAN.	Malta ...	*	*	*	*	*																
	Salonica ...																					
	Athens ...	1023.3	48	SSE	1	b	1020.6	+1	48	-6	-	0	b	-	55	41						
	Candia ...																					
	Limassol ...	*	*	*	*	*	1020.8	0	48	+3	-	0	c	-	66	46						
	Alexandria ...	1024.2	61	-	0	b	1023.3	0	61	-2	-	0	b	-	72	54						
	Cairo (Helwan) ...	1024.2	61	-	0	b	1023.5	+2	57	+7	-	0	b	-	72	54						
	Venice ...																					
	Turin ...																					
	Leghorn ...																					
ITALY.	Rome ...																					
	Viesti ...																					
	Brindisi ...																					
	Cagliari ...																					
	Palermo ...																					
	Tripoli ...	1016.9	63	ENE	1	b	1014.6	*	61	-	SE	1	b	-	?	60						
	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																					
	9 <sup>th</sup> and 10 <sup>th</sup> March 1919.																Sunrise.	Noon.	Sunset.			
	Yarmouth ...																G.M.T. 6.24	G.M.T. 12.4	G.M.T. 5.43			
Greenwich ...																6.22	12.4	5.43				
Wick ...																6.31	12.11	5.51				
Valencia ...																6.29	12.11	5.53				
																6.49	12.23	5.56				
																6.47	12.23	5.59				
																7.13	12.52	6.31				
																7.11	12.52	6.31				

LONDON										SOUTH KENSINGTON (M.O.)									
9 <sup>th</sup> March 1919, 9h. G.M.T.										Vertical Component of Solar Radiation per square Centimetre during 8 <sup>th</sup>									
Humidity.			24 HOURS ENDED 9 h. 9 <sup>th</sup> March			TEMPERATURE.			Rain-fall.	WEATHER.			Total.			Average Rate.			Max. Rate.
12 h.	9 h.	8 h.	Max.	Min.	Min. on Grass.	°F.	°F.	°F.		Morning.	Afternoon.	Night.	Joules.	Milliwatts.	Milliwatts.				
83	95	0.3	45	38	31	1	0	0, c	0 d										
		0.4	*	*	*	*	*	*	*										
		0.4	45	41	37	1	0	0, c	0 d										
		0.0	46	42	*	1	0	0, c	0 d										
		0.8	47	41	31	1	0	0, c	0 d										
		*	46	40	35	1	0	0	*										
		0.2	*	*	*	*	*	*	*										

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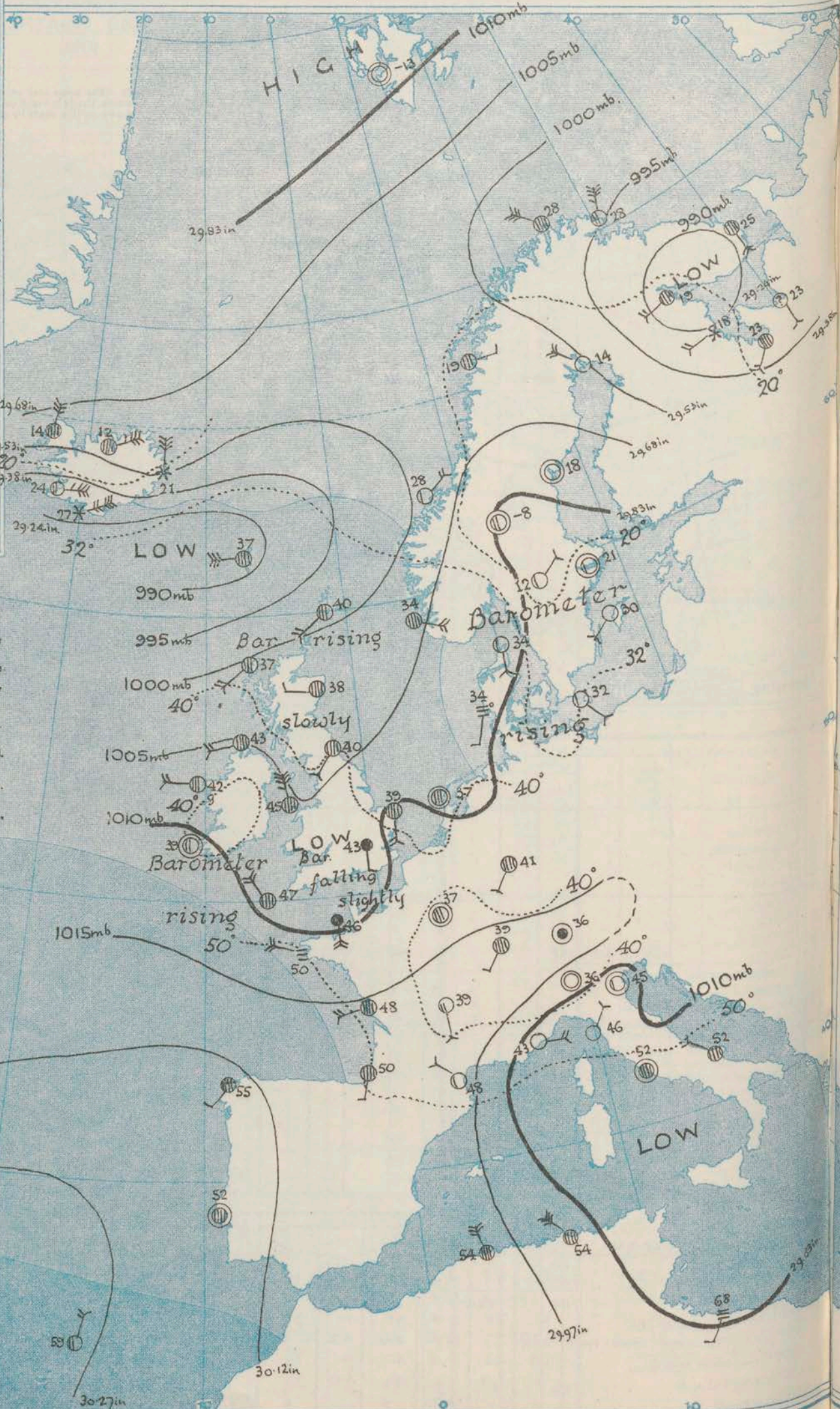
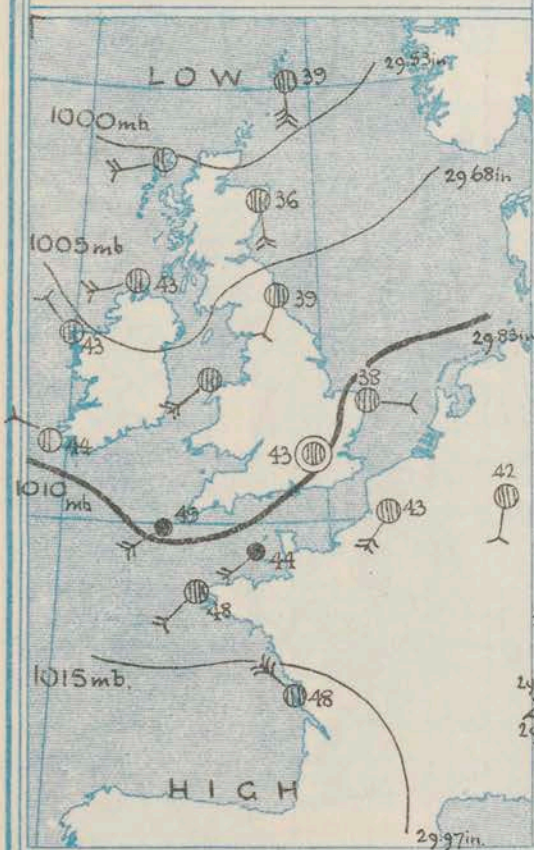
\* The barometric change is expressed in half-millibars.



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

THE MORNING OF Sunday, 9<sup>th</sup>

MARCH, 1919 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.

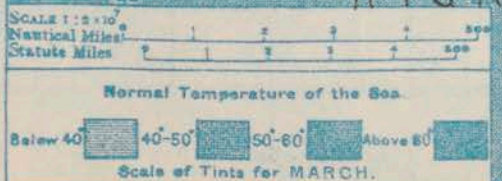
**WEATHER.**—Shown by the following symbols:—

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

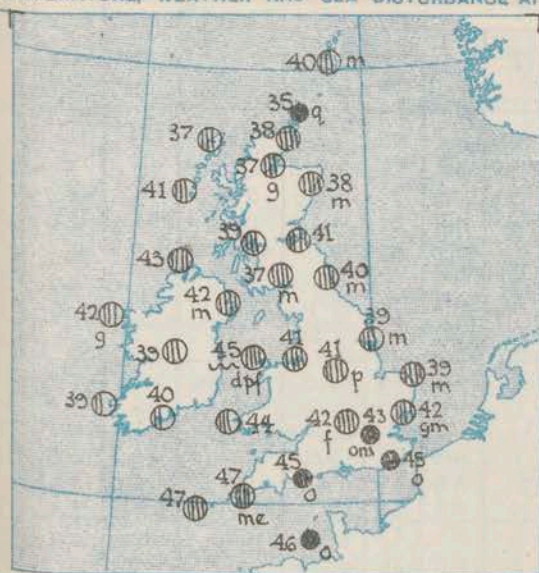
○ sky & clouded. ○ overcast sky. ● rain falling.

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

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







## NOTES.

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

Temperature exceeded  $50^{\circ}$  in the extreme south-west of England, reaching  $52^{\circ}$  at Scilly and Falmouth. Values decreased northwards and in parts of Scotland they remained below  $40^{\circ}$ , the lowest being  $37^{\circ}$  in the Orkneys. Night temperatures did not fall as low as the freezing point at any station. Moderate to very light amounts of rain fell in all districts, except along the east coast of England. The west and south-west parts of England experienced fair to fine weather and 6.1 hours of sunshine were recorded at Scilly and 7.8 hours at Jersey. In all other parts of the United Kingdom the day was practically sunless.

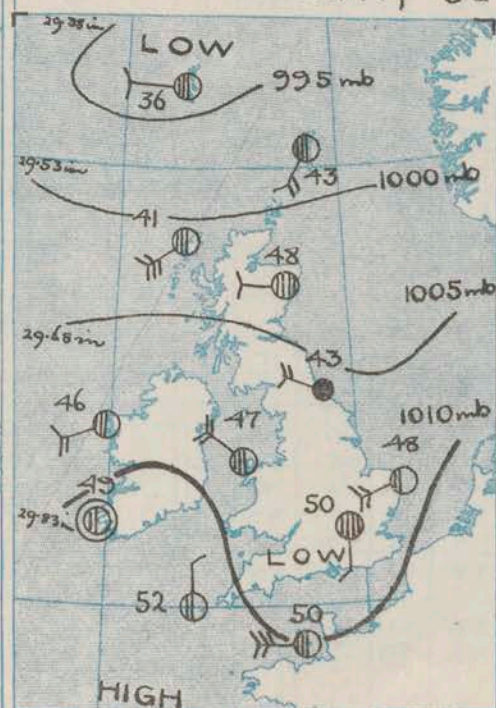
## The Conditions at 7h. and Subsequent Developments.

A large irregular depression lies south of Iceland, extending eastward to the Faroes. A shallow V shaped secondary occupies England, with its trough extending from the north of Wales to the Channel Islands; there are indications of another disturbance off the west of Ireland. An anticyclone is centred between Madeira and the Azores, with a ridge of high pressure extending across central France to the Baltic. There is a depression centred near Nice and there is another on the Murman coast.

During the day the shallow depression over England slowly moved eastward as it continued to fill up, while later the western districts began to be affected by a new depression out over the Atlantic.

SUNDAY, 9<sup>TH</sup>

MARCH, 1919, at 13h. (1 p.m.) G.M.T.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 68...

Sunday  
9th March

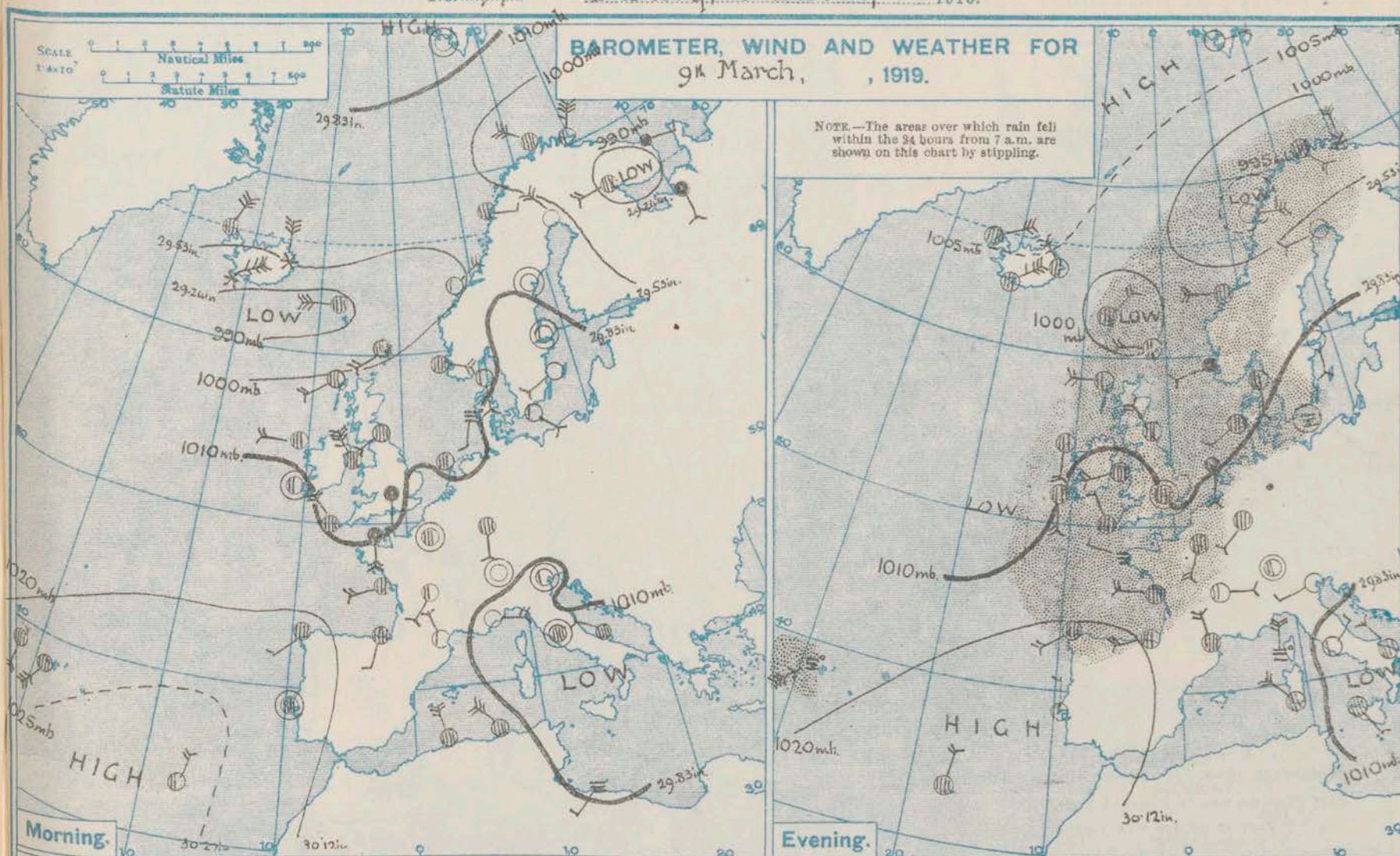
STATIONS.		EVENING OF 8th					MORNING OF 9th										24 HOURS ENDED 7 h. 9th							Sun- shine for 8th
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 8 hours.	TEMP. Dry Bulb.	Change in 24 hours.	WIND.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.						
				Direc.	Force 0-12.											Max.	Min.	Morning.	Afternoon.	Night.				
BRITISH ISLANDS.	Lerwick	1004.8	35	SE	4	0	998.2	+1	40	+9	SW	3	-	cm	2	3	41	30	bc	bc	cm	*		
	Houton B. (Orkney)	1001.0	34	SSE	5	f	1000.2	+1	35	+9	WSW	1	*	rq	2	*	37	25	cv	sf	rf. L	*		
	Stornoway	997.0	42	WSW	7	0	1000.6	+1	37	+3	SW	3	-	c	2	7	42	33	ops	0	c	0.0		
	Castlebay (Barra Isd.)	999.1	45	W	4	+	1003.1	+0	41	+2	W	3	W	c	4	4	46	37	oto	0	ro.c.c.	0.0		
	Glasgow	1005.1	39	S	1	omg	1004.9	+1	39	+7	SW	1	-	c	*	4	41	30	o	oro	om	0.0		
	Eskdalemuir	1006.7	35	-	0	om	1004.9	+1	37	+6	WNW	1	-	om	*	4	39	31	o	o	om	0.0		
	Malin Head	1001.2	46	SSW	4	cm	1005.0	+1	43	+7	WSW	3	W	o	3	2	46	36	bcg	cm	cm	0.5		
	Blacksod Point	1003.2	45	NNW	4	omg	1006.7	0	42	-2	W	3	-	cg	3	2	46	38	omg	omg	cmg	0.0		
	Valencia (Cahirciveen)	1006.5	47	WSW	3	c	1010.3	+3	39	-5	-	0	-	bc	3	4	49	39	o	o	o	0.0		
	Roche's Point	1007.1	46	SW	3	dm	1006.7	+4	40	0	NW	2	NW	bc	2	1	48	39	epo	adm	o.bc	*		
	Birr Castle	1004.5	47	SW	1	+	1008.2	*	39	+1	SW	1	-	c	*	1	49	37	odo	op	od.c	0.0		
	Donaghadee	1004.5	43	S	4	ogmp	1005.6	+3	42	+3	WNW	3	-	om	2	2	46	39	ogmp	omg	cmg	*		
	Liverpool (Bidston)	1007.7	42	SSE	1	c	1005.2	-1	41	+4	SE	2	-	o	2	1	44	37	o	o	op	0.3		
	Holyhead	1006.7	45	SW	4	og	1005.1	+1	45	-1	NNW	7	-	opdf	5	2	49	39	o	o	opdf	3.2		
	Pembroke (St. Ann's)	1009.2	45	SSW	2	o	1007.6	+2	44	+1	WNW	2	-	c	3	3	47	43	c	c	f.to	4.0		
	Scilly (St. Mary's)	1011.6	48	W	2	0	1009.0	+1	47	+3	NW	4	NW	o	4	6	52	43	bc.c	c.o	opf.to	6.1		
	Falmouth	1010.7	47	WSW	3	o	1008.1	+3	47	+9	NW	3	-	ome	*	6	52	38	bc.c	bc.c	o	4.4		
	Jersey (St. Aubin)	1011.8	47	W	3	b	1009.4	-1	46	+3	S	4	-	op	3	5	51	42	c.b	b.b.c	bw	7.8		
	Portland Bill	1010.5	46	WNW	3	c	1006.6	-4	45	+1	S	4	-	op	4	5	48	43	b	bc.c	c	*		
	Duneness	1009.1	44	NNW	2	bc	1009.5	0	45	+2	SW	3	SW	o	2	-	47	42	c.o	o.c	cib	*		
NORTHERN EUROPE, ICELAND, &c.	Wick	1000.9	37	S	4	omg	1000.9	+2	38	+4	W	2	-	o	2	2	40	34	omg	omg	cpom	*		
	Nairn	1001.2	38	-	0	cm	1002.0	*	37	+8	-	0	-	cg	1	1	40	29	cg	cm	cg	0.0		
	Aberdeen	1004.7	38	S	4	oz	1002.8	+1	38	+10	W	1	-	om	2	1	39	27	c.oz	asp.c	oz	0.0		
	Leith	1005.0	40	SW	1	c	1003.5	0	41	+5	W	1	-	o	1	0.2	44	35	o	om.c	codmo	*		
	Tynemouth	1007.7	40	SE	2	cm	1004.3	0	40	+2	SW	2	-	om	3	-	41	38	bc	bc	om	*		
	Spurn Head	1009.5	40	SE	1	o	1007.1	-1	39	+1	SSE	2	-	cm	4	-	42	37	c	bc.o	cv.c	0.7		
	Yarmouth (Gorleston)	1008.7	39	NE	3	o	1010.1	-1	39	-4	S	3	-	om	3	-	43	37	omf	f.o	om	0.0		
	Clacton-on-Sea	1009.5	41	NNW	3	o	1009.4	0	42	-1	SSW	2	-	ogm	2	-	44	38	og	og	ogm	0.0		
	Nottingham	1009.3	42	S	2	o	1007.1	*	41	+4	SSW	1	-	op	*	0.2	43	37	o.c	c.op	o	0.1		
	Benson (Oxon.)	1009.0	43	N	1	o	1008.2	0	42	+2	S	1	-	of	*	?	43	39	-	bc.c	bc.on	*		
	Sth Farnborough	*	*	N	2	om	1009.0	-0	43	+1	S	2	-	om	*	1	48	40	mdus	oc.c	bc.on	0.7		
	London (Kew Obs.)	1010.4	43	NNW	1	om	1009.0	0	43	0	S	1	-	om	*	1	44	40	om	o.c	om	0.0		
	FRANCE, &c.	Isafjord	1000.4	25	NE	10	o	1004.3	+3	14	-10	NNE	6	-	o	*	*	*	*	THE BEAUFORT SCALE OF WIND FORCE.				
		Reykjavik	985.6	29	E	9	s	994.1	+3	24	-4	E	7	-	bc	*	*	*	*					
Vestmanna		...	...	...	...	...	992.4	+5	27	-1	NE	8	-	s	4	*	*	*	Limits of Velocity.					
Seydisfjord		1005.0	23	NE	3	s	1002.6	+1	21	+6	N	6	-	s	*	*	*	*						
Thorshavn		1000.0	32	SE	3	o	989.5	-0	37	+14	W	6	-	o	*	*	*	*	No.					
Spitsbergen		1012.0	-22	S	2	b	1010.3	-1	-13	+4	-	0	*	b	*	*	-13	-22						
Vardö		996.0	28	ESE	5	s	996.8	+1	28	0	NNE	7	-	bc	5	*	30	19	Statute miles per hour.					
Gjesvær		996.6	25	SE	3	o	998.1	*	28	+5	NW	6	-	o	4	-	25	23						
Bodö		1002.7	25	N	2	c	1003.3	0	19	-8	E	1	-	c	1	*	28	18	Metres per second.					
Christiansund		1006.9	28	NNE	2	b	1000.7	-5	28	-4	NE	3	-	b	3	2	32	25						
Skudesnaes		1007.8	30	N	1	o	1004.4	-4	34	+2	ESE	4	-	o	3	-	36	30	Less than 1					
Færder (X'ania Fjord)		1007.8	34	WSW	2	b	1008.0	+0	34	+2	S	2	-	c	1	-	36	32						
Haparanda		994.1	19	NNW	4	o	1000.7	+4	14	-4	NW	4	-	b	0	TRACE	23	7	Less than 0.3					
Hernösand		1002.3	28	-	0	b	1008.3	+1	18	-9	-	0	-	b	0	-	34	12						
Stockholm	1005.5	28	W	2	b	1011.7	+2	21	-7	-	0	-	b	0	-	36	18	1-3						
Wisby	1004.7	34	WNW	2	b	1013.0	+3	30	-2	SW	2	-	b	1	-	36	27							
Karlstad	1008.0	28	-	0	b	1010.3	0	12	-13	NE	2	-	b	*	-	36	12	4-7						
The Scaw (Skagen)	1007.5	32	SE	1	b	1008.7	+1	34	0	S	2	-	b	2	-	39	30							
Blaavands Huk	1007.7	36	N	1	b	1009.9	+2	34	-2	SSW	1	-	m	*	-	39	25	8-12						
Copenhagen	1008.7	36	-	0	m	1011.1	+1	30	-6	E	1	-	f	*	-	39	28							
Bornholm	1008.2	32	WSW	2	b	1011.3	+1	32	-2	SE	2	W	b	-	-	36	28	13-18						
The Helder	1007.3	37	NE	4	o	1009.6	+2	37	-4	-	0	-	c	2	-	43	37							
IBERIA, &c.	Brussels	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18-24					
	Coblentz	1010.6	43	SW	2	p	1013.2	+2	41	+4	SW	2	-	o	*	TRACE	*	*						
	C. Gris Nez	1009.2	43	NNW	2	c	1010.7	-1	43	-2	SW	4	-	o	3	-	46	39	25-31					
	La Hève	1011.4	43	WNW	3	o	1011.3	-3	43	0	SW	3	SW	o	2	8	50	41						
	Cherbourg	...	...	...	...	...	1009.2	-2	46	+1	S	2	-	p	2	TRACE	48	45	32-38					
	Brest (St. Mathien)	1013.9	48	NW	3	c	1011.3	+1	50	+2	WNW	4	-	f	4	2	52	46						
	Rennes	1012.6	48	N	1	b	1012.4	-1	45	+4	S	2	-	o	?	1	55	41	39-46					
	Roche fort (St. Aiz)	1014.6	48	WNW	4	c	1015.5	0	48	0	WSW	3	-	o	*	-	54	48						
	Biarritz	1016.6	54	W	4	o	1018.0	0	50	0	SSW	1	-	o	4	1	54	50	47-54					
	Paris	1011.1	45	-	0	o	1013.5	0	37	-2	-	0	-	c	*	2	52	36						
	Strasbourg	1010.0	48	-	0	c	1014.0	+2	41	+9	S	2	-	o	*	TRACE	52	32	55-63					
	Besancon	...	...	...	...	...	1016.3	?	39	+7	SW	1	N	o	*	-	52	32						
	Clermont	1013.5	43	NW	1	bc	1016.4	+1	39	+9	SW	2	-	bc	*	-	50	30	64-75					
	Limoges	1013.2	*	SW	1	o	1015.1	-1	41	+5	-	0	-	o	*	11	?	41						
Nice	1011.3	46	-	0	bc	1009.6	-3	43	-2	E	3	-	b	?	-	?	?							
Sicie	...	...	...	...	...	1009.7	+3	45	-5	NW	4	-	c	4	-	55	43							
Perpignan	1013.9	54	NW	3	c	1016.7	+2	48	+16	NW	2	-	b	*	-	61	34							
Corunna	1020.3	55	WNW	1	bc	1020.7	+2	55	+1	SW	1	-	o	3	-	57	52	x hoar frost.						
Madrid	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,927

Monday, 10<sup>th</sup> March, 1919.



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

STATIONS.	EVENING OF 8 <sup>th</sup>					MORNING OF 9 <sup>th</sup>					AFTERNOON OF 9 <sup>th</sup>				
	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12.	Weather.	Barom. Millibars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours.	Wind Direc.	Force 0-12.	Weather.	Rain-fall. Millibars.	Temp. Max. °F.	Temp. Min. °F.
<b>RUSSIA.</b>															
Sviatons						991.8	*	25	?	E	1	*	*	*	*
Kandalatska						991.4	+2	23	?	S	2	*	*	*	*
Archangel															
Soroka															
<b>MEDITERRANEAN.</b>															
Algiers	1009.2	54	NE	5	bc	1017.9	+7	54		NNW	5	0	6	57	52
Malta	*	*	*	*	*										
Salonica															
Athens															
Candia															
Limassol						1019.1	0	50	+2	-	0	b	-	66	13
Alexandria	1022.3	63	-	0	b	1021.2	+1	64	+3	SSE	2	c	-	75	55
Cairo (Helwan)	1021.6	70	-	0	bc	1021.5	+1	63	+6	NE	1	b	-	79	57
<b>ITALY.</b>															
Venice	1010.9	48	-	0	0	1009.5	*	45	?	-	0	b	-	54	43
Turin															
Leghorn	1009.5	52	S	1	p	1009.3	*	46	?	NE	2	b	8	55	43
Rome	1009.1	55	-	0	0	1007.3	*	52	?	-	0	0	-	64	52
Viesti	1011.5	54	NW	2	0	1008.7	*	52	?	WNW	2	0	-	57	?
Brindisi															
Cagliari															
Palermo															
Tripoli	1010.6	68	-	0	b	1009.9	*	68	+7	SW	1	f	-	?	61

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

10 <sup>th</sup> & 11 <sup>th</sup> March 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	6.22	12.4	5.45
Greenwich	...	6.20	12.3	5.47
Wick	...	6.29	12.11	5.53
Valencia	...	6.26	12.10	5.55
	...	6.44	12.22	5.59
	...	6.44	12.22	6.1
	...	7.11	12.52	6.34
	...	7.8	12.51	6.35

LONDON	Humidity.		Sun-shine for 24 hours ended 9 h. 10 <sup>th</sup> March.	Temperature.			Rain-fall.	Weather.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
10 <sup>th</sup> March, 9h. G.M.T.	9 <sup>th</sup>	10 <sup>th</sup>	9 <sup>th</sup>	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	87	86	0.7	53	37	28	TRACE	c. bc. c	cp	om
CITY (Bonhill Row)	*	*	0.5	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	69	89	0.8	51	37	32	-	*	*	*
" (Roof of Admiralty Arch)	84	85	0.0	52	41	*	-	omr	om	bcm
CAMDEN SQ. (British Rainfall)	-	84	0.0	51	36	33	TRACE	-	-	*
KENSINGTON PALACE	*	85	*	51	38	28	TRACE	0	0	*
RICHMOND PARK	*	*	0.1	*	*	*	*	*	*	*

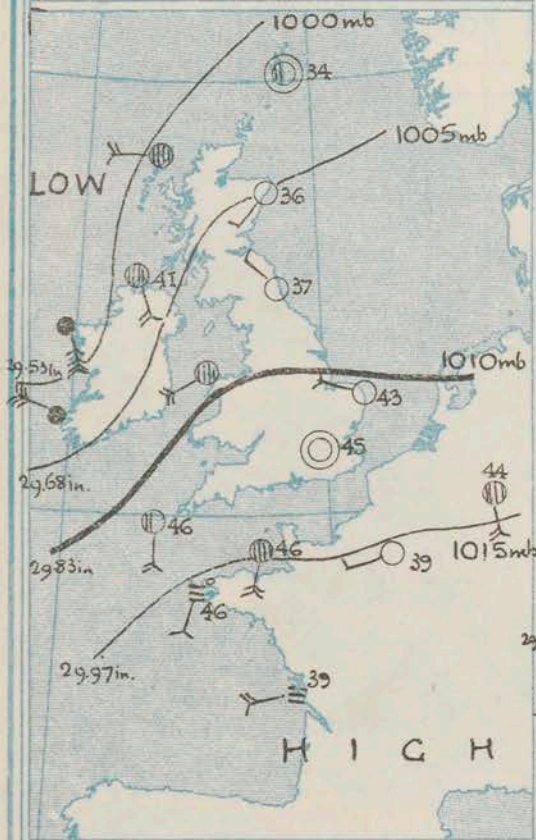
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 9 <sup>th</sup> -		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
370	9.3	44

Printed at the Meteorological Office, South Kensington, London, S.W.7.  
By WYMAN & SONS LTD., Fetter Lane, London, E.C.4, and Reading.  
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.  
+ The barometric change is expressed in half-millibars.

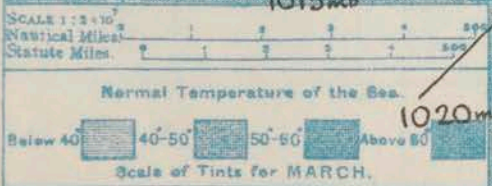
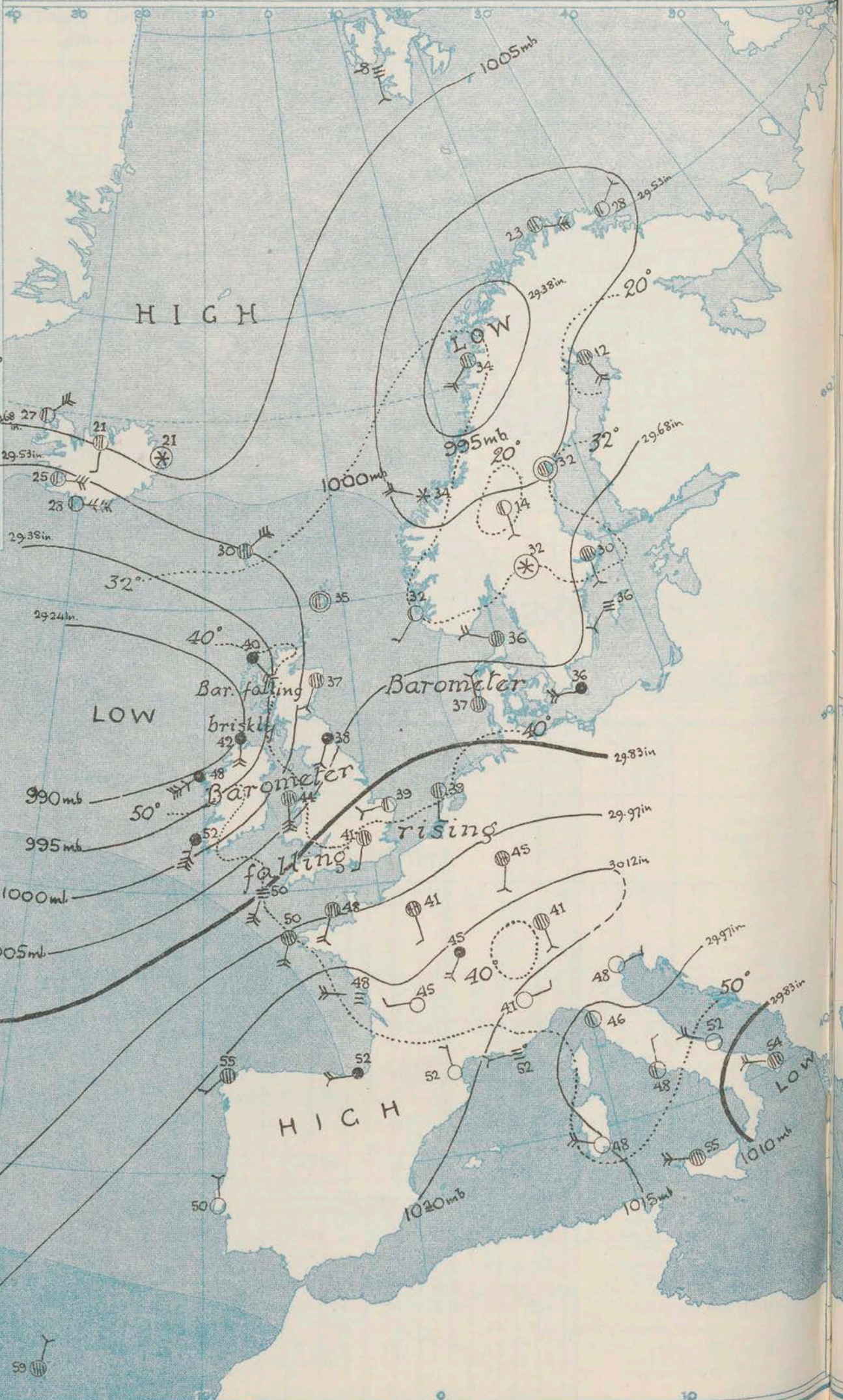


10<sup>th</sup> MAR, at 1h. G.M.T.

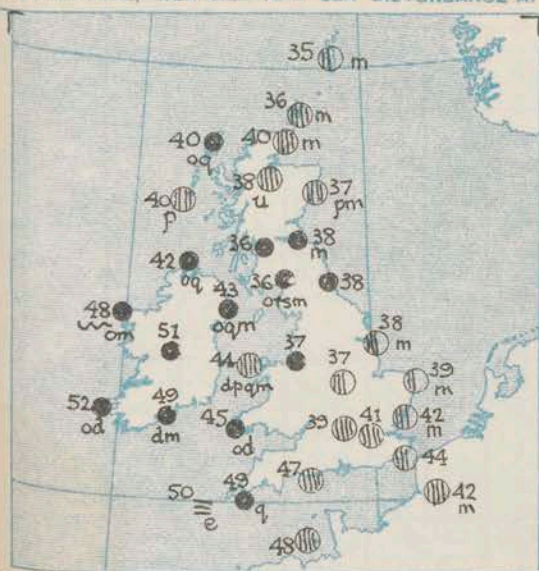
THE MORNING OF Monday, 10<sup>th</sup> MARCH, 1919 at 7h. G.M.T.



**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.  
 overcast sky. rain falling.  
 snow. hail. fog. mist. thunder.  
**SEA DISTURBANCE.**—Rough High







## NOTES.

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

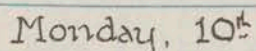
Temperature rose to about 50° over a large portion of England and Ireland and also in the SE of Scotland. Bright sunshine was rather prevalent in various parts of North and Southwest Britain, but there was little in Ireland, and none at some stations in central and eastern England. Rain fell in nearly all localities, but the amount was nowhere large; in the S and SE of England it was slight.

The Conditions at 7h.

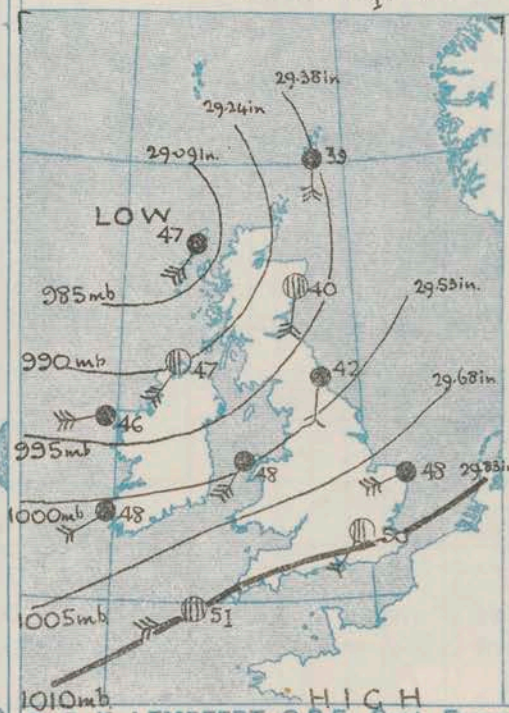
A depression is centred off the NW of Ireland and apparently moving Northeastward. Another depression lies over the NW of Norway. The wind has backed to S or SW over the British Isles generally and to SE in the North of Scotland; a gale is reported at Blacksod Point and a fresh to strong breeze on the W and NW coasts generally, but in the E and SE the force is light. Rain is falling in Ireland and over a large area in Great Britain, fog prevails at Scilly, and mist at many other stations. Temperature ranges from about 50° in Ireland and the extreme SW coast of England to about 38° along the east coasts of England and Scotland, and to 35° in Shetland.

The Outlook.

The pressure distribution is likely to remain favourable for the passage of Atlantic depressions from SW to NE over the British Isles or their immediate neighbourhood. A Southerly to Southwesterly type of weather, with a higher temperature than of late is consequently to be expected.



MARCH, 1919, at 13h. (1 p.m.) G.M.T.



The depression in the north is moving northeastward and the barometer is rising again in Ireland. As the wind remains south-westerly, however, it is probable that another depression will soon begin to spread over our western districts.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 69. MONDAY, 10th MARCH.

STATIONS.	EVENING OF... 9 P.M.					MORNING OF... 10 P.M.										24 HOURS ENDED 7 P.M. 10 P.M.					Sun- shine for 9th
	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.	Change in 24 hours.						Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	999.6	39	W	3	bc	1001.0	-1	35	-5	-	0	bc	2	2	43	33	c	cp	bc	Hours.
	Houton B. (Orkney) ...	1001.6	37	WSW	6	o	998.8	-8	36	+1	SE	4	*	om	2	41	34	c,opr	c,opr	c	*
	Stornoway ...	1003.0	39	W	4	bc	992.7	-12	40	+3	SE	5	-	om	4	44	36	cp	bc	bc,om	5.3
	Castlebay (Barra) ...	1004.4	43	W	4	c	990.0	-3	40	-1	SE	6	-	op	6	44	38	c,op,c	c,be	c,op	5.1
	Glasgow ...	1007.5	40	SW	1	c	999.7	-8	36	-3	SSE	2	-	T	6	46	35	c,be,cp	bc,sp	cor,sp	4.0
	Eskaudemuir ...	1008.5	38	S	1	o	1002.1	-7	36	-1	S	5	-	or,sm	7	44	30	o,op,o	o,op,c,o	o,op,om	0.5
	Malin Head ...	1006.7	41	SSW	3	c	988.8	-10	42	-1	S	4	-	ogr	4	45	36	bc	bc	ogr	2.9
	Blacksod Point ...	1007.5	43	S	3	c	990.7	+1	48	+6	SW	8	-	om,r	5	50	41	c	c	om,om	*
	Valencia (Cahir) ...	1009.9	46	S	3	o	998.1	-2	52	+13	SSW	7	-	od	5	52	38	bc,cz	c	or,op	1.3
	Roche's Point ...	1011.5	46	WSW	3	o	1001.8	-2	49	+9	SW	5	-	dm	6	50	39	bc,o	o	or,dm	*
	Birr Castle ...	1009.2	45	SW	1	c	996.8	*	51	+12	SSW	3	-	T	1	51	38	cp	cp	c,or	1.4
	Donaghadee ...	1008.1	45	WNW	3	bc	996.0	-14	43	+1	SW	5	-	om,r	4	49	37	om,bz	bcz	bc,om	*
	Liverpool (Bidston) ...	1010.5	41	W	4	b	1004.4	-7	37	-4	SE	3	-	r	2	46	37	o,c	bc,b	op	1.5
	Holyhead ...	1010.1	45	WSW	3	og	1001.1	-9	44	-1	S	6	-	op,dgm	5	49	42	o,cg	c,og	o,odm	2.8
	Penbroke (St. Ann's) ...	1012.7	44	WNW	2	bc	1005.9	-4	45	+1	SSW	4	-	od	4	48	44	c	bc	c,or	7.3
NORTHERN EUROPE, ICELAND, &c.	Scilly (St. Mary's) ...	1013.5	47	NNW	1	o	1010.0	-3	50	+3	SSW	5	-	fe	5	52	44	o,c,be	bc,c,o	om,pe	3.2
	Falmouth ...	1013.2	47	NW	3	om	1010.4	-3	49	+2	SW	6	-	dq	1	53	41	c,be,b	bc,c,o	o,om	6.9
	Jersey (St. Aubin) ...	1012.6	49	W	4	b	1014.4	0	48	+2	SSW	3	-	o	2	53	44	or,c	c,b	b,o	4.9
	Portland Bill ...	1011.5	47	WNW	3	bc	1011.7	-2	47	+2	SSW	4	-	o	4	52	44	er,be	bc	c,o	*
	Dungeness ...	1009.5	46	SSW	2	f	1013.1	+2	44	+1	SW	3	SW	c	3	46	41	or,be	rof	fe,fe	*
	Wick ...	1002.8	37	SW	3	bc	999.2	-7	40	+2	SSE	4	-	om	3	46	32	om,c	c,be	bc,om	*
	Nairn ...	1004.7	39	W	2	bc	996.7	*	38	+1	SE	2	-	ou	2	46	31	cp,be	cp,be	bc,c	3.6
	Aberdeen ...	1004.8	42	W	2	bzy	1001.6	-5	37	-1	SSW	2	-	om,p	2	48	33	om,be	bc,be	bc,om	5.0
	Leith ...	1006.4	41	W	2	bc	1000.6	-3	38	-3	SE	2	-	om	2	50	37	om,c	cp,c,be	bc,om	*
	Tynemouth ...	1006.8	41	NW	3	cm	1004.8	-2	38	+2	SSW	2	-	r	2	46	36	om,r	om,p	om,r	*
	Spurn Head ...	1007.5	44	WNW	3	bc	1008.0	-1	38	-1	SW	3	-	cm	3	47	37	o	o,om	bc,om	0.0
	Yarmouth (Gorleston) ...	1009.1	47	WSW	3	o	1011.6	-2	39	0	WSW	2	-	bc	2	49	37	om,be	bc,om	om,be	0.9
	Clacton-on-Sea ...	1010.1	43	S	2	o	1012.3	0	42	0	W	2	W	cm	2	45	39	og,de	cm,og	og,em	0.2
	Nottingham ...	1009.8	45	WNW	1	bc	1008.5	*	37	-4	S	1	S	c	1	50	34	odm	cm	bc,b	0.0
	Benson (Oxon.) ...	1009.5	47	NW	1	bc	1010.6	-2	39	-3	S	4	-	o	0.1	51	35	c	b,be	b,be	*
St. Farnborough ...	1010.4	48	WNW	1	om	1012.2	-1	39	-4	S	3	-	om	2	48	35	To	od,om	o,om	0.0	
London (Kew Obsv.) ...	1010.4	48	-	0	om	1012.3	-1	41	-2	SSW	1	-	o	0.1	51	39	om,om	o,om	om,o	0.3	
FRANCE, &c.	Isafjord ...	1007.5	5	NE	5	o	1005.5	-1	27	+13	NE	5	-	bc	*	*	*	*	*	*	
	Reykjavik ...	998.1	25	E	5	c	999.1	0	25	+1	E	5	-	bc	*	*	*	*	*	*	
	Vestmanna ...	997.1	25	NE	7	c	997.1	-1	28	+1	E	9	-	b	4	*	*	*	*	*	
	Seydisfjord ...	1005.3	16	NW	4	c	1006.9	0	21	0	-	0	-	s	*	*	*	*	*	*	
	Thorshavn ...	996.2	34	NE	3	o	1000.0	-2	30	-7	NE	5	-	o	*	*	*	*	*	*	
	Spitsbergen ...	1009.6	-8	E	2	b	1009.2	-1	-8	-	S	2	*	f	*	*	-8	-12	*	*	
	Vardö ...	998.7	28	N	4	s	999.1	+1	28	0	NE	2	-	bc	3	*	30	25	*	*	
	Gjesvær ...	999.9	25	SE	3	o	997.5	*	23	-5	SE	6	-	c	3	3	28	21	*	*	
	Bodö ...	994.6	25	E	5	b	991.8	+3	34	+15	SW	4	-	c	2	7	34	18	*	*	
	Christiansund ...	1008.8	39	W	4	o	999.9	+6	34	+6	WNW	4	-	s	4	8	39	28	*	*	
	Skudesnaes ...	1001.2	39	WSW	2	T	1003.9	0	32	-2	SW	1	-	b	3	16	39	30	*	*	
	Færder (Xania) ...	1004.3	34	SSW	3	o	1003.4	+1	32	-2	W	1	-	o	2	2	34	32	*	*	
	Haparanda ...	1005.1	12	W	2	b	1000.7	-2	12	-2	SSE	4	-	o	0	19	25	-4	*	*	
	Hernösand ...	999.9	-1	32	+14	-	0	-	c	0	-	-	c	0	-	34	16	*	*		
	Stockholm ...	1010.6	28	S	2	b	1005.5	-2	30	+9	S	2	-	o	0	-	37	21	*	*	
Wisby ...	1012.3	32	S	2	b	1005.6	-5	36	+6	SW	2	-	f	1	-	37	28	*	*		
Karlstad ...	1008.0	30	W	2	c	1004.3	-3	32	+20	-	0	-	s	3	34	12	*	*			
IBERIA, &c.	The Scaw (Slagen) ...	1007.9	36	S	2	c	1003.3	?	36	+2	WNW	3	-	o	3	1	39	32	*	*	
	Blaavands Huk ...	1009.9	36	SW	1	o	1008.8	+5	37	+3	NNW	2	-	o	*	1	39	32	*	*	
	Copenhagen ...	1010.4	34	SSE	1	f	1007.5	-1	34	+4	SW	1	-	f	*	2	36	30	*	*	
	Bornholm ...	1010.1	36	-	0	f	1008.6	0	36	+4	W	4	-	f	1	2	39	28	*	*	
	The Helder ...	1009.5	41	S	2	T	1011.7	+2	39	+2	S	1	-	c	0	-	43	37	*	*	
	Brussels ...	1014.1	45	SW	2	o	1016.3	+2	45	+4	SSW	2	-	o	*	-	?	?	*	*	
	Coblenz ...	1014.1	45	SW	2	o	1016.3	+2	45	+4	SSW	2	-	o	*	-	?	?	*	*	
	C. Gris Nez ...	1010.7	?	SSW	3	f	1013.7	+1	45	+2	WSW	4	W	c	3	1	48	41	*	*	
	La Hève ...	1012.6	43	WNW	4	b	1015.9	+2	45	+2	SSW	3	SW	?	2	2	50	41	*	*	
	Cherbourg ...	1014.1	0	48	+2	SW	2	-	T	2	2	2	2	54	43	*	*				
	Brest (St. Mathieu) ...	1015.0	50	WNW	1	f	1015.9	0	50	0	SSW	4	-	o	3	1	54	48	*	*	
	Rennes ...	1013.7	52	S	1	c	1017.3	+2	48	+3	S	3	-	o	-	1	57	45	*	*	
	Rochefort (de l'Aix) ...	1017.3	50	W	3	o	1020.3	+2	48	0	W	4	-	f	*	3	55	48	*	*	
	Biarritz ...	1019.9	52	WSW</																	

## THE BEAUFORT SCALE OF WIND FORCE.

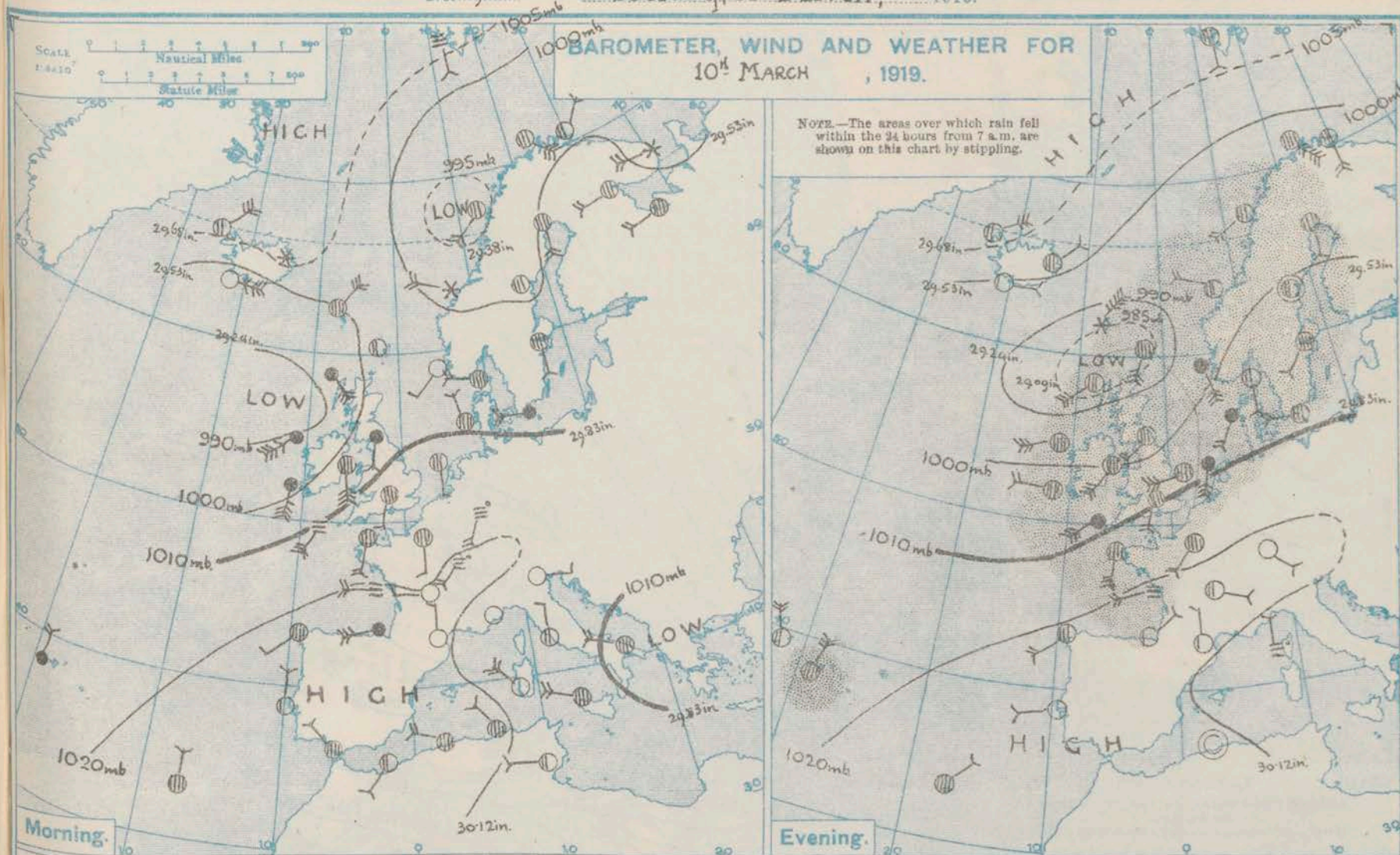
No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.5
7	32-38	13.6-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.1
11	64-75	28.



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20928

Tuesday, 11<sup>th</sup> March, 1919.



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

STATIONS.	EVENING OF 9 <sup>th</sup>					MORNING OF 10 <sup>th</sup>					AFTERNOON OF 10 <sup>th</sup>				
	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12.	Weather.	Barom. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Change in 24 hours.	Wind Direc.	Force 0-12.	Weather.	Rain-fall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.
<b>RUSSIA.</b>															
Sviatonos															
Kandalatska															
Archangel															
Soroka															
<b>MEDITERRANEAN.</b>															
Algiers	1019.1	54	-	0	bc	1021.1	+2	55?	-	WNW	3	0	Trace	59	50
Malta	*	*	*	*	*										
Salonica															
Athens															
Canjia															
Limasol			*	*	*	1025.7	0	55	+5	-	0	c	-	72	46
Alexandria	1019.5	68	SE	2	bc	1018.1	0	59	-5	SE	2	bc	-	86	55
Cairo (Helwan)	1018.6	75	NE	4	c	1018.0	?	68	+5	-	0	c	-	90	61
<b>ITALY.</b>															
Venice	1012.3	50	WSW	1	b	1017.5	*	48	+3	E	1	b	-	61	45
Turin	1012.9	52	-	0	c	1018.2	*	41	-	-	0	b	-	57	39
Leghorn	1011.3	50	-	0	b	1014.9	*	46	0	-	0	bc	1	57	45
Rome	1009.1	52	NE	1	b	1014.9	*	48	-4	N	1	bc	-	59	45
Viesti	1008.9	52	NNW	4	0	1012.6	*	52	0	NW	3	b	-	57	?
Brindisi	1008.2	54	NW	2	0	1009.7	*	54	-	NW	3	0	-	63	52
Cagliari	1015.1	61	NW	4	c	1015.1	*	48	-	NW	4	b	-	66	45
Palermo	1007.8	57	SE	1	0	1014.5	*	55	-	WNW	4	0	-	66	50
Tripoli															

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

at London 11 <sup>th</sup> March 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	6.20	12.3	5.47
Greenwich	...	6.18	12.3	5.48
Wick	...	6.26	12.10	5.55
Valencia	...	6.24	12.10	5.56
	...	6.44	12.22	6.1
	...	6.41	12.22	6.3
	...	7.8	12.51	6.35
	...	7.5	12.51	6.37

LONDON		Humidity.		Sun-shine		TEMPERATURE.			WEATHER.		
11 <sup>th</sup> March 1919. 9h. A.M.T.		15 h.	0 h.	10 h.	11 h.	Max.	Min.	Min. on Grass.	Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)	...	96	92	0.1	52	46	47	1*	c, od	od	or
CITY (Bunhill Row)	...	*	*	0.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	...	93	92	0.1	54	47	46	1	*	*	*
" (Roof near Charing Cross)	...	93	89	0.0	54	46	*	1	om	odg	cg, omg
CAMDEN SQ. (British Rainfall)	...	92	93	0.0	53	47	47	2	0	0, od	*
KENSINGTON PALACE	...	*	87	*	53	47	48	1	c	0	*
RICHMOND PARK	...	*	*	0.0	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 10 <sup>th</sup> March.		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
301	7.3	24

Printed at the Meteorological Office, South Kensington, London S.W.7.  
By WYMAN & SONS LTD., Fetter Lane, London, E.C.4, and Reading.

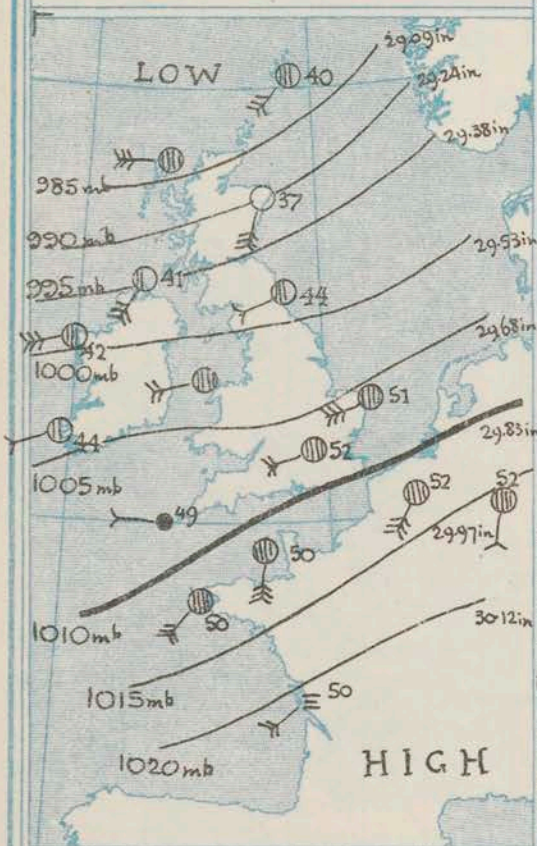
\* The barometric change is expressed in half-millibars.



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

THE MORNING OF Tuesday, 11<sup>th</sup>

MARCH, 1919 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.

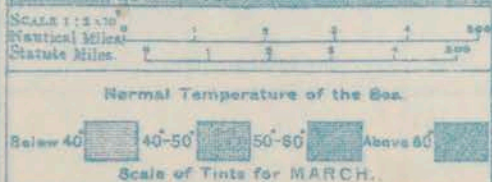
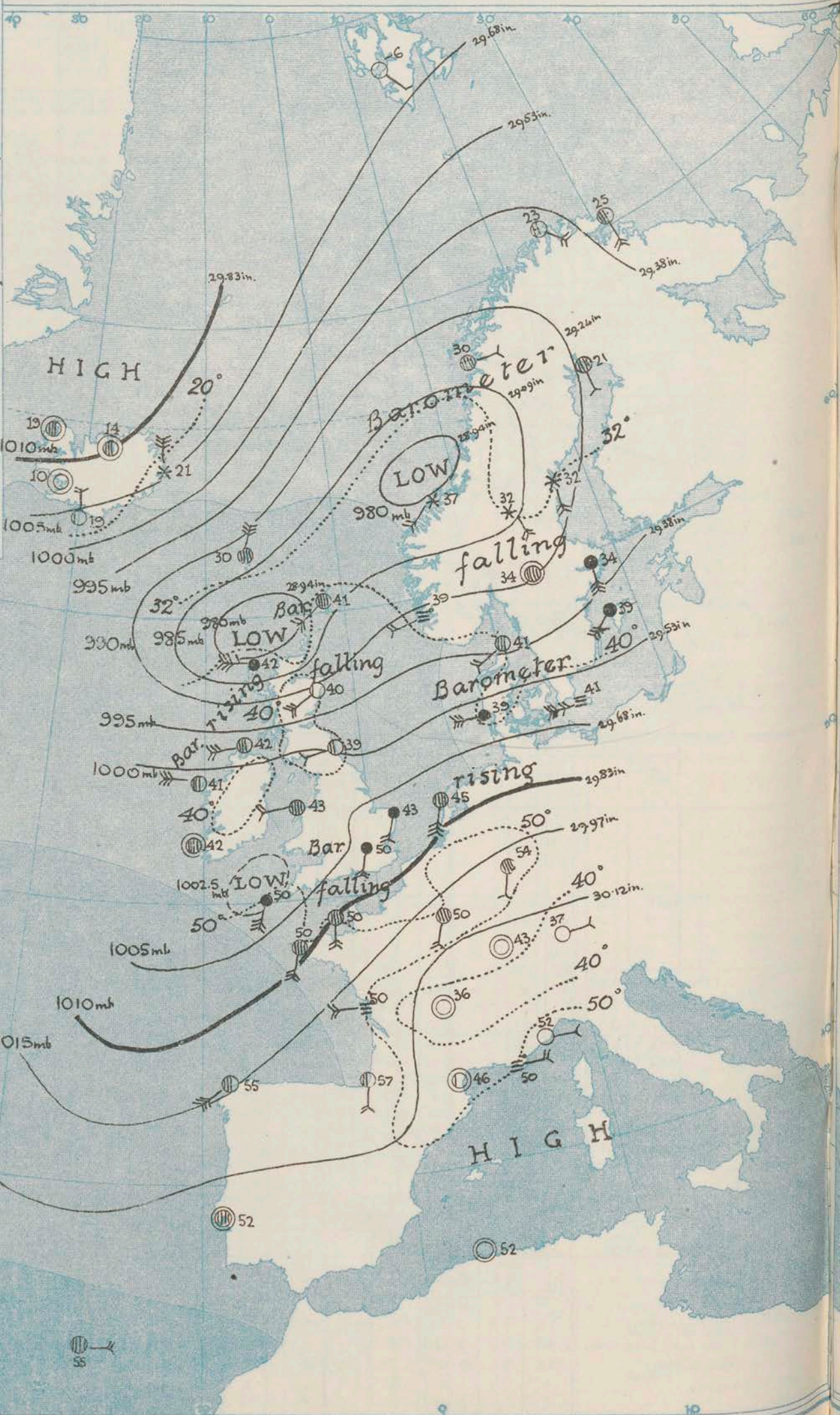
**WEATHER.**—Shown by the following symbols:—

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

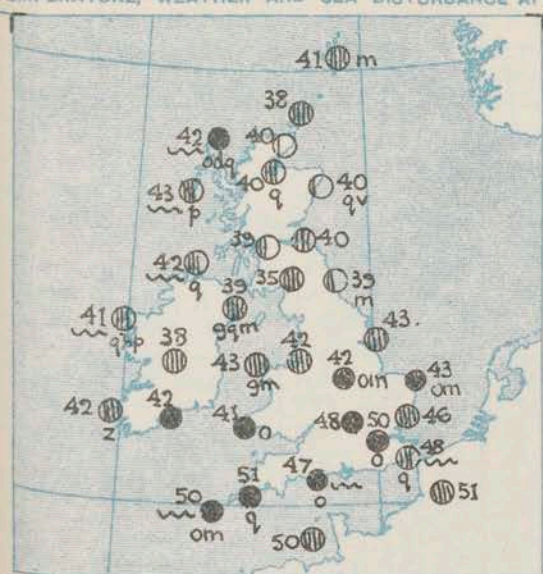
○ sky 2/3 clouded. ○ overcast sky. ● rain falling.

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

K, thunderstorm. Sea Disturbance.—Rough High.







## NOTES.

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

Rain fell very generally; in the south and south-east of England the quantity was generally small, but in the north it was moderate, and in the south-west of England, Wales, and the west of Scotland it was rather large - 22 mm. at Scilly, 16 mm. at Pembroke, and 17 mm. at Eskdalemuir. Very little bright sunshine was recorded in many localities there was none. Temperature rose to  $55^{\circ}$  in some parts of England and to about  $50^{\circ}$  over a large portion of the Kingdom.

## The Conditions at 7h.

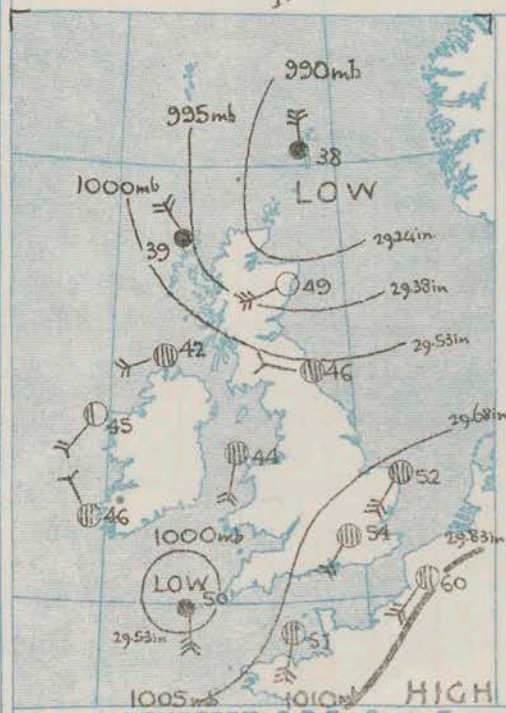
A depression with two minima extends from beyond the north of Scotland to the west of Norway, while a small secondary has appeared in the south-west and is centred near Scilly. Pressure is highest at Madeira and thence to the south of France and Switzerland, and again is relatively high in Iceland. The South-Westerly winds general in the British Isles blow a fresh or strong breeze over the Channel and southern part of the North Sea and also in Scotland and the north of Ireland. Rain is falling over the greater part of England and St Roche's Point and Stornoway, but over Scotland as a whole the weather is temporarily fair. Temperature has risen in Great Britain, fallen in Ireland.

## The Outlook

The pressure distribution is not likely to undergo any radical alteration; further depressions will, therefore, probably arrive from the Atlantic and maintain a generally, mild, unsettled type of weather.

Tuesday, 11<sup>th</sup>

MARCH, 1919, at 13h. (1 p.m.) G.M.T.



The northern depression is moving away quickly but that near Scilly is stationary.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 75.

TUESDAY  
11th MARCH

STATIONS.	EVENING OF... 10th.					MORNING OF... 11th.										24 HOURS ENDED 7th... 11th.							Sun- shining for 10th.
	Barom. Milli- bars at M.S.L.	TEMP. F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 24 hours.	TEMP. F.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-3.	Rain- fall. Milli- metres.	TEMP.		WEATHER.						
			Force 0-12.	Dir.					Force 0-12.	Dir.					Max.	Min.	Morning.	Afternoon.	Night.				
BRITISH ISLANDS.	Lerwick ...	984.6	41	SSW	5	om	984.1	0	41	+6	SW	4	-	om	3	6	43	35	om	om	om	Hours.	
	Houton B. (Orkney) ...	984.4	40	SW	8	c	981.9	-3	38	+2	SSW	7	*	o	5	*	41	35	-	c, oq	b, bcq	*	
	Stornoway ...	983.4	43	WSW	6	cbq	980.6	+2	42	+2	W	7	-	odq	6	10	48	39	or, cbq	cbq	odq	2.8	
	Castletay (Barra Is.) ...	988.4	43	W	7	ohp	991.3	+6	43	+3	W	5	W	cb	6	2	48	40	op, om	om, chp	hchp	1.1	
	Glasgow ...	994.7	43	SW	4	o	997.4	+1	39	+3	SSW	5	-	bc	*	11	47	33	otsp	og, tsp	og, t	0.0	
	Eskdalemuir ...	995.9	44	SW	4	om	1000.4	0	35	-1	SSW	5	-	c	*	17	46	32	or, smt	om, fso	om, fso	0.0	
	Malin Head ...	992.5	42	SW	4	omq	995.2	+3	42	0	WSW	5	SW	eq	5	2	47	38	emq	emq	eq	0.1	
	Blacksod Point ...	997.0	42	WSW	6	ogq, p	1000.3	+1	41	-7	W	6	W	eq, p	6	1	48	38	og, mp	og, q	eq, p	*	
	Valencia (Cahirciveen) ...	1002.9	47	W	3	o	1003.3	0	42	-10	-	0	-	o	3	4	52	41	op, or	to	o	0.0	
	Roche's Point ...	1002.6	47	W	3	o	1004.1	0	42	-7	W	1	-	T	4	2	51	41	md	am, pto	or	*	
	Birr Castle ...	1000.3	46	W	1	o	1002.6	*	38	-13	SW	1	-	o	*	4	53	38	or	o	o	0.0	
	Donaghadee ...	997.1	46	W	4	omq	1000.8	+2	39	-4	W	4	-	og, mq	4	2	53	38	omq, p	emq	og, mq	*	
	Liverpool (Bidston) ...	1000.0	50	W	4	T	1003.6	0	42	+5	SW	2	-	o	2	3	55	37	h, oq	op, q	op	0.1	
	Holyhead ...	999.5	47	SW	5	oem	1003.2	0	43	-1	WSW	3	-	omq	2	5	48	43	odq, m	od, r, oe	op, om	0.0	
	Penbroke (St. Ann's) ...	1002.6	48	SSW	5	ofr	1004.0	-2	41	-4	ENE	1	-	or	3	16	48	41	of, o	om, fr	of, or	0.0	
	Scilly (St. Mary's) ...	1006.7	50	SW	6	mr	1002.4	-2	50	0	SSW	5	-	omr	6	22	52	47	feom	omr	omr	0.2	
	Falmouth ...	1007.4	51	SSW	7	amq	1003.1	-2	51	+2	SW	8	-	rq	*	15	52	48	rmeg, q	meg, q	of, eq	0.0	
	Jersey (St. Aubin) ...	1014.0	51	SW	2	t	1010.8	-1	50	+2	S	4	-	o	3	0.3	55	47	o	o, bc, b	op, o	0.3	
	Portland Bill ...	1009.5	48	SW	6	or	1005.8	-4	47	0	SW	6	-	or	6	1	49	45	or	or	or	*	
	Dungeness ...	1010.3	48	SSW	5	o	1008.3	0	48	+4	SW	6	SW	eq	6	1	49	44	cb, o	or, o	og, p	*	
NORTHERN EUROPE, ICELAND, &c.	Wick ...	986.7	42	WSW	3	bc	983.9	-3	40	0	SW	4	-	bq	4	3	44	36	omr, q	omq, bc	bc, bq	*	
	Nairn ...	988.6	41	SW	3	r	986.4	*	40	+2	WSW	5	-	eq	3	4	48	35	apc	cbq	p, q	0.0	
	Aberdeen ...	990.1	43	SW	3	em	990.7	-1	40	+3	SW	5	-	bq, v	3	7	45	37	omr, q	og, em	c, bq, v	0.0	
	Leith ...	993.2	45	W	2	o	997.4	0	40	+2	SW	3	W	c	3	9	49	37	T	r	og, q, c	*	
	Tynemouth ...	995.3	50	SW	3	em	999.7	+1	39	+1	WSW	2	-	bc, m	3	5	51	37	omr	em	bc, m	*	
	Spurn Head ...	1000.3	51	SSW	4	eq	1004.0	+1	43	+5	SW	3	-	o	3	4	52	37	og	eq	eq, o	0.0	
	Yarmouth (Gorleston) ...	1005.8	52	WSW	6	og	1006.5	+3	43	+4	SSW	3	-	omr	3	1	53	38	bc, mp, q	og, r	og, omr	0.7	
	Clacton-on-Sea ...	1007.0	48	SSW	4	o	1007.4	0	46	+4	SSW	5	-	o	4	0.1	49	41	em, p	og	og	0.6	
	Nottingham ...	1002.2	53	SW	4	o	1005.1	*	42	+5	SW	1	SW	om	*	5	55	37	op	o	or	0.0	
	Benson (Oxon.) ...	1007.1	51	SSW	5	o	1004.6	-1	48	+9	SSW	4	-	T	*	3	55	38	to	bc	od, r	*	
St. Farnborough ...	1008.9	50	SW	8	og, d	1006.6	0	50	+11	SW	8	-	or	*	2	52	39	omr, q	op, og, d	od, r	0.0		
London (Kew Obs.) ...	1008.6	52	SSW	4	o	1006.2	0	50	+9	SSW	4	-	or	*	1	53	40	o	od, o	ood, or	0.0		
FRANCE, &c.	Isafjord ...	1006.6	25	ENE	6	bc	1011.4	+4	19	-8	-	0	-	c	*	*	*	*	THE BEAUFORT SCALE OF WIND FORCE.			No.	
	Reykjavik ...	1001.2	28	E	1	b	1008.4	+6	10	-15	-	0	-	b	*	*	*	*					
	Vestmanna ...	998.3	27	E	2	b	1004.3	+3	19	-9	N	3	-	b	2	*	*	*	Limits of Velocity.			Statute miles per hour.	
	Seydisfjord ...	1003.5	25	NE	2	c	1007.0	+5	21	0	N	6	-	s	*	*	*	*					
	Thorshavn ...	986.9	32	NE	9	s	988.8	+5	30	0	NNE	6	-	o	*	*	*	*	Measures per second.			Metres	
	Spitsbergen ...	1008.6	0	S	2	c	1008.6	0	-6	+2	SE	1	*	b	*	*	*	*					
	Vardö ...	990.7	23	S	4	c	996.7	-5	25	-3	S	4	-	c	4	*	28	23	0			Less than 1	
	Gjesvær ...	994.9	23	SE	8	o	991.9	*	23	0	SE	4	-	bc	3	-	23	19					
	Bodö ...	993.0	30	SW	4	c	985.7	-5	30	-4	E	2	-	o	2	?	30	25	1			1-3	
	Christiansund ...	996.4	34	WNW	3	o	980.7	-3	37	+3	SW	4	-	s	3	2	37	25					
Skudesnaes ...	998.6	37	SE	7	r	991.3	+3	39	+7	WSW	3	-	m	5	9	41	30	2			4-7		
Færder (X'lania Fjord) ...	1001.6	36	SSW	3	m	990.3	+2	37	+5	SW	6	W	m	3	3	37	32						
Haparanda ...	998.1	25	S	2	o	993.7	-3	21	+9	S	2	-	o	-	?	28	12	3			8-12		
Hernösand ...	1000.2	28	-	0	bc	988.6	-10	32	0	S	4	-	s	0	3	37	23						
Stockholm ...	1007.0	36	SW	2	o	992.4	-11	34	+4	S	6	-	r	0	1	37	30	4			13-15		
Wisby ...	1012.6	36	WSW	2	o	997.0	-10	39	+3	SW	6	-	r	5	3	39	34						
Karlstad ...	1004.0	34	-	0	o	997.2	-6	34	+2	-	0	-	o	*	3	37	27	5			16-24		
The Scaw (Skagen) ...	1005.6	39	S	2	bc	994.9	?	41	+5	SW	3	-	c	3	2	43	34						
Blaavands Huk ...	1007.0	37	SSW	2	T	1003.1	+4	39	+2	W	6	-	T	*	10	43	36	6			25-31		
Copenhagen ...	1009.2	41	SW	3	o	1001.6	+4	46	+12	WSW	3	-	T	*	2	46	34						
Bornholm ...	1009.6	34	W	3	c	1002.1	-2	41	+5	WSW	9	-	f	0	2	41	34	7			32-38		
The Helder ...	1006.9	45	SSW	6	T	1007.0	+1	45	+6	SSW	6	-	o	3	1	46	39						
FRANCE, &c.	Brussels ...						1016.7	+1	54	+9	SSW	2	-	o	*	-	?	?	8			39-46	
	Coblenz ...						1016.7	+1	54	+9	SSW	2	-	o	*	-	?	?					
	C. Gris Nez ...						1010.4	+1	46	+1	SW	6	SW	c	5	1	48	45	9			47-54	
	La Hève ...						1010.4	-1	52	+4	S	5	-	o	3	1	54	48					
	Cherbourg ...						1010.4	-1	50	0	SSW	5	-	o	5	-	52	48	10			55-63	
	Brest (St. Mathieu) ...	1014.7	50	SSW	5	o	1009.5	-1	50	0	SSW	5	-	o	-	-	54	48					
	Rennes ...						1014.3	-2	52	+4	S	5	-	o	-	-	54	48	11			64-75	
	Rochefort (lie d'Aix) ...	1021.2	52	WSW	4	f	1017.1	-4	50	+2	SE	4	-	f	*	1	55	46					
	Biarritz ...	1022.3	55	NE	2	b	1017.1	-1	57	+5	S	3	S	bc	4	1	61	50	12			Above 75	
	Paris ...	1015.7	52	SW	2	o	1017.2	+1	50	+9	SSW	3	W	o	*	Trace	55	41					
Strasbourg ...						1013.7	-1	46	+1	S	2	-	c	*	-	57	45	13			33.6 or above		
Besancon ...						1021.5	?	43	-2	-	0	NE	b	*	-	54	39						
Clermont ...						1021.7	0	36	-9	-	0	-	b	*	-	61	34	14			34-40		
Limoges ...						1020.6	?	39	-7	SE	1	NW	f	*	-	?	37						
Nice ...						1022.7	+1	52	+2	E	2	-	m	-	-</								



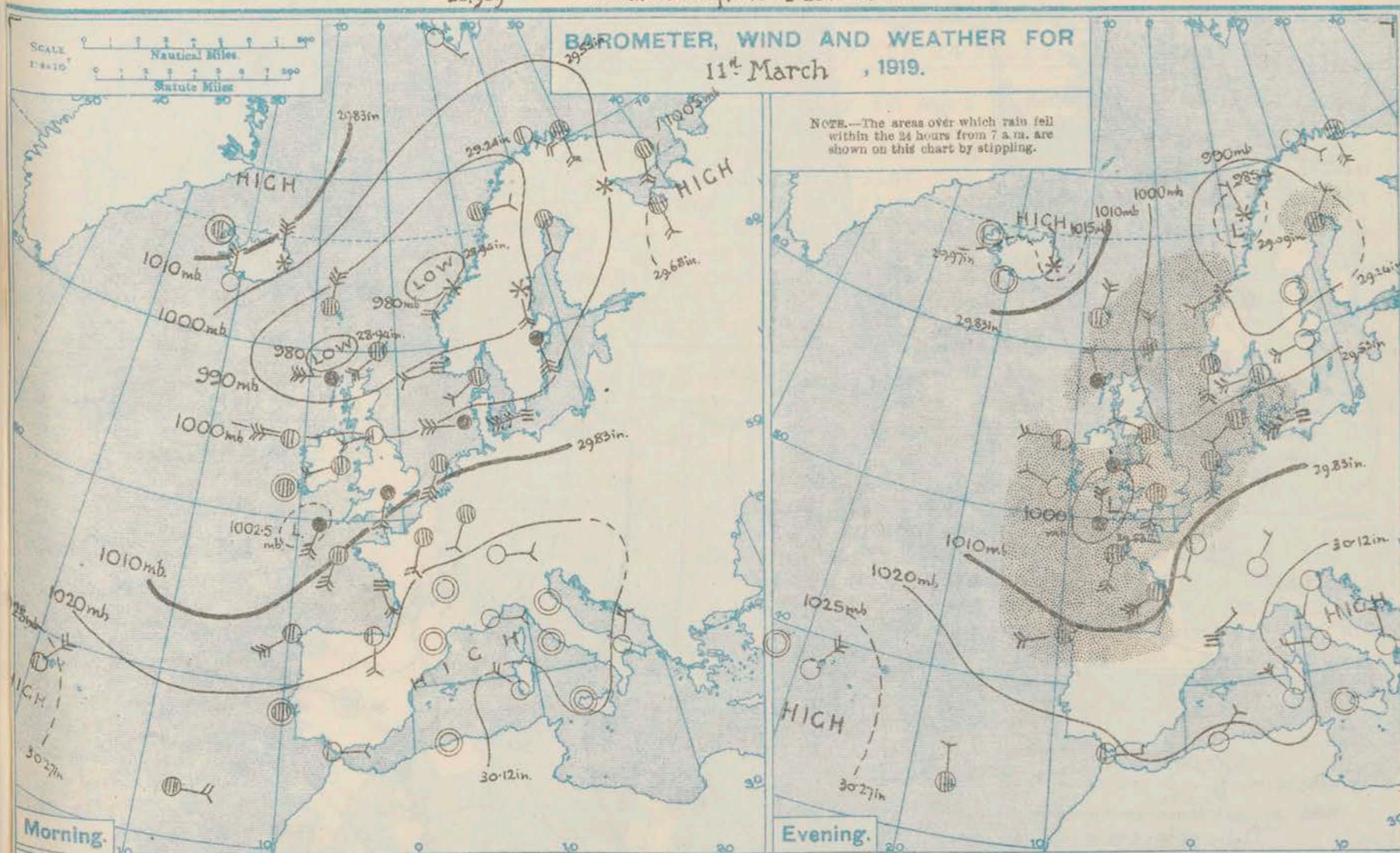
# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,929

Wednesday, 12<sup>th</sup> March 1919.

## BAROMETER, WIND AND WEATHER FOR 11<sup>th</sup> March, 1919.

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> MARCH

STATIONS.	EVENING OF 10 <sup>th</sup> March					MORNING OF 11 <sup>th</sup> March										AFTERNOON OF 11 <sup>th</sup> March						
	Barom. Milli- bars at M.S.L.	Temp.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.			
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.	Weather.
		° F.					*	° F.	° F.				° F.	° F.		° F.	° F.					
Sviatonos ...							*						*	*	Isafjord ...	1014.6	27	-1	-	0	b	
Kandalatska ...							*						*	*	Reykjavik ...	1012.3	27	-3	-	0	b	
Archangel ...						1006.6	-	21	-	SSW	3	?	*	*	Vestmanna ...	1009.6	30	+2	E	1	b	
Soroka ...													*	*	Seydisfjord ...	1011.8	28	0	N	4	c	
Algiers ...															Thorshavn ...	999.0	37	+7	NE	2	c	
Malta ...	*	*	*	*	*										TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
Salonica ...															11 <sup>th</sup> March 1919.					Sunrise.	Noon.	Sunset.
Athens ...															Yarmouth ...			G.M.T.	G.M.T.	G.M.T.		
Candia ...																		6.18	12.3	5.48		
Limassol ...	*	*	*	*	*	1017.5	0	55	0	-	0	b	-	66	41			6.16	12.3	5.50		
Alexandria ...	1015.3	70	SE	2	b	1014.9	0	59	0	ESE	2	b	-	88	54			6.24	12.10	5.56		
Cairo (Helwan) ...	1014.4	78	NE	3	0	1014.7	+2	66	+2	-	0	bc	-	93	63			6.22	12.10	5.58		
Venice ...						1023.4	*	41	-7	N	1	b	-	59	41			6.41	12.22	6.3		
Turin ...						1022.3	*	41	0	-	0	b	-	63	41			6.38	12.22	6.3		
Leghorn ...	1020.7	55	-	0	b	1023.7	*	46	0	-	0	b	-	57	45			7.5	12.51	6.37		
Rome ...	1017.4	54	N	1	b	1022.3	*	45	-3	N	1	b	-	66	43			7.3	12.51	6.3		
Viesti ...	1017.4	55	NW	2	b	1021.3	*	50	-2	NW	1	b	-	57	?							
Brindisi ...	1015.3	54	NW	4	bc	1018.2	*	55	+1	NNE	3	b	-	57	54							
Cagliari ...	1016.3	64	NW	3	b	1016.5	*	48	0	NW	3	b	-	68	45							
Palermo ...	1016.3	52	NW	1	b	1020.5	*	50	-5	-	0	b	-	59	41							
Tripoli ...							*															

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> March 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...		6.18	12.3	5.48
Greenwich ...		6.16	12.3	5.50
Wick ...		6.24	12.10	5.56
Valencia ...		6.22	12.10	5.58
		6.41	12.22	6.3
		6.38	12.22	6.5
		7.5	12.51	6.37
		7.3	12.51	6.39

### LONDON

	Humidity.		Sun-shine for 11 <sup>th</sup> March	TEMPERATURE.			Rain-fall.	WEATHER.		
	11 <sup>th</sup> March	12 <sup>th</sup> March		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
12 <sup>th</sup> March 1919. 9h. G.M.T.										
GREENWICH (Royal Observatory)	86	89	0.0	55	47	42	1	0, c	0, 0, d	0
CITY (Bunhill Row)	*	*	0.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	85	86	0.1	55	49	44	2	*	*	*
(Roof of Admiralty Arch)	83	83	0.0	55	49	*	2	0, m, g	0, g	0, b, c, 0, p
CAMDEN SQ. (British Rainfall)	81	83	0.1	55	48	46	2	0, 0	0	*
KENSINGTON PALACE	*	85	*	54	48	48	2	0	0	*
RICHMOND PARK	*	*	-	*	*	*	*	*	*	*

### SOUTH KENSINGTON (M.O.)

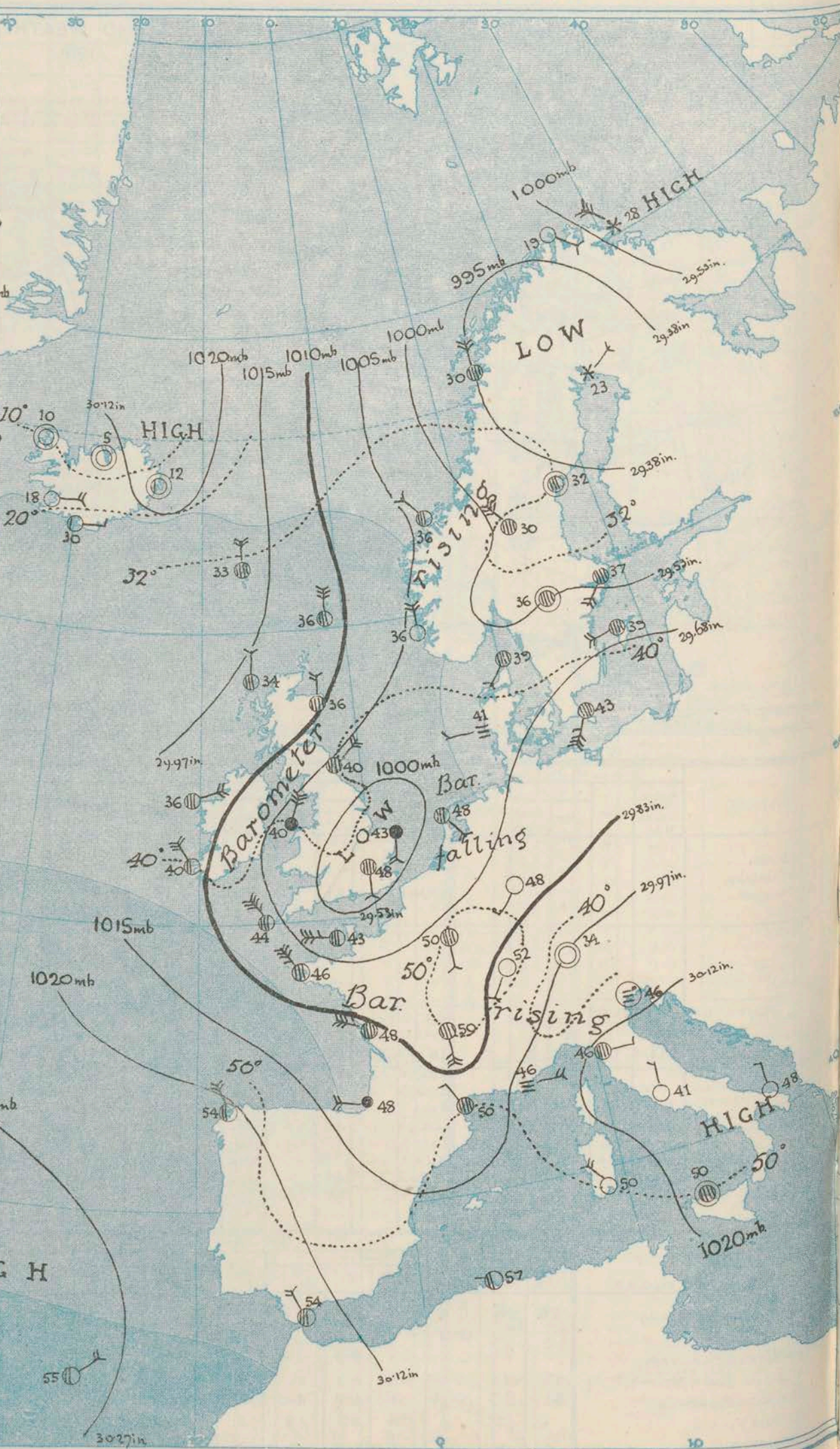
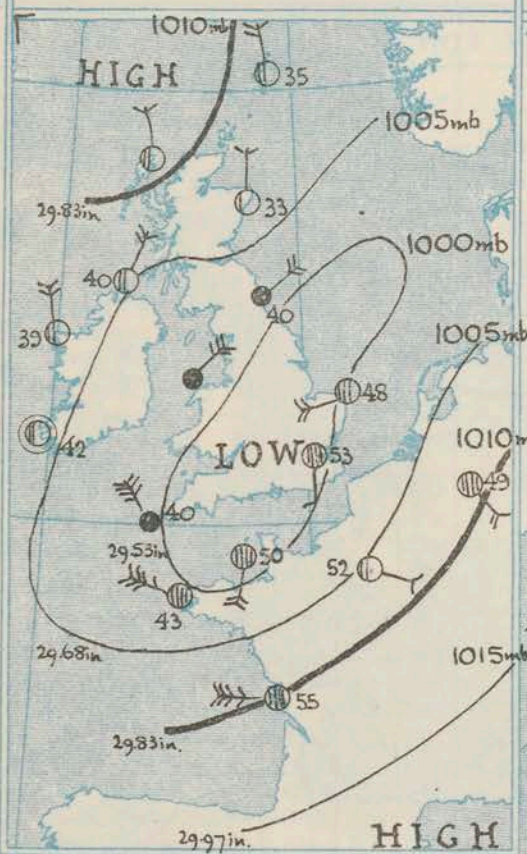
Vertical Component of Solar Radiation per square Centimetre during 11 <sup>th</sup> March		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
335	8.1	30



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

THE MORNING Wednesday, 12<sup>th</sup>

MARCH, 1919 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.

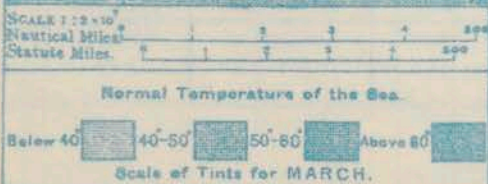
WEATHER.—Shown by the following symbols:—

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

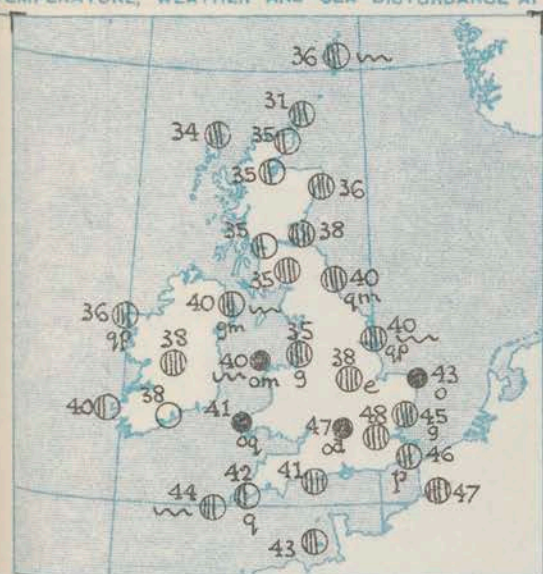
○ sky 1/2 clouded. ○ overcast sky. ● rain falling.

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

SEA DISTURBANCE.—Rough. High.







NOTES.

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

Further falls of rain were experienced in most parts of the British Isles, the largest reported being 27 mm. at Liverpool, 20 mm. at Nottingham, and 17 mm. at Pembroke. In the south and south-east the quantity was generally slight. Little or no bright sunshine was recorded except in the east of Scotland; at Aberdeen the value was 8.1 hr. Temperature rose to 54° in London (Kew Observatory) and at South Farnborough, as well as at Jersey, and in many other localities the thermometer reached or rose above 50°

The Conditions at 7h. Today

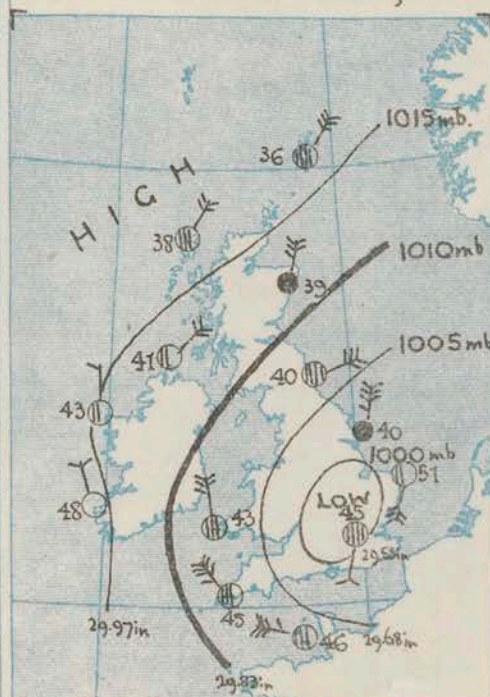
Pressure is low in a depression centred over Southern England, moving slowly eastward, and also in a large irregularly shaped disturbance over Scandinavia. The highest readings are found over the Madeira region, but they are nearly as high in the east of Iceland. The wind current from between NE. and NW. to the northward and westward of the English depression, blows a fresh to strong breeze or high wind on the NE., NW. and SW. coasts, but has little force in Scotland and Ireland, while the Southerly current over the SE. of England and the nearer part of the Continent only blows a light breeze. Rain is still falling in several English districts and much cloud is reported except locally in Ireland and Scotland. Temperature has fallen generally and is rather low except with the Sly. wind in the south-east of England.

The Outlook

The cessation of the increase of pressure in the south and west of Iceland, accompanied by light winds from the Eastward, indicates the existence of a depression over the north-eastern Atlantic. This may be expected to move eastward and to cause the wind to back to the Westward or South-westward over the British Isles within the ensuing 48 hours or so.

Wednesday, 12<sup>th</sup>

MARCH, 1919, at 13h. (1p.m.) G.M.T.



The English depression has moved very slowly eastward, and the barometer is still rising in the north and west of the Kingdom.



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 71... { WEDNESDAY  
12th MARCH

WEDNESDAY  
12th MARCH

STATIONS.	EVENING OF... 11 P.M.					MORNING OF... 12 P.M.										24 HOURS ENDED 7 H... 12 P.M.										Sun- shine for 11h	
	Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.	Direc. of Upper Cloud.	Weather.	Sea 0-3.	Rain- fall. Milli- metres.	TEMP.		WEATHER.											
			Force 0-12.	Dir.			Dry Bulb.	Change in 24 hours.						Force 0-12.	Dir.	Max.	Min.	Morning.	Afternoon.	Night.							
BRITISH ISLANDS.	Lerwick	996.1	37	N	4	om	1011.6	+5	36	-5	N	6	N	c	5	2	43	32	omg r	omg r	ops	*					
	Houton B. (Orkney)	1000.9	35	NNW	5	cg	1013.2	+6	31	-7	NE	5	*	c	4	*	44	31	cg	mg	bc, bc	*					
	Stornoway	1002.9	37	NNW	4	ot	1014.6	+6	34	-3	N	2	-	c	1	2	43	33	opg	or	bc, c	1.8					
	Castletown (Barra Isd.)	1002.8	40	N	3	bc													cg, bc	bc, bc	bc, c	0.1					
	Glasgow	1002.2	41	WNW	1	om	1010.3	+5	35	-4	NNE	2	-	bc	*	1	44	34	bc, c	c, opm	me, bc	0.3					
	Eska Dalemuir	1002.2	39	W	1	om	1007.6	+4	35	0	NNE	5	-	o	*	-	43	34	c, o	bc	o	0.3					
	Main Head	1002.1	42	NNW	3	bc													bc, o	bc	o	0.3					
	Blacksod Point	1003.2	41	WNW	3	bc, p	1011.6	+6	36	-5	ENE	4	-	cg, p	4	4	47	36	bc, p	bc, p	bc, p	*					
	Valencia (Cahircivoen)	1004.3	44	NW	2	bc, w	1012.0	+6	40	-2	NW	4	-	bc	4	2	42	38	oz, c	c, bc, w	bc, bc, p	0.8					
	Roche's Point	1002.8	43	NW	3	o	1009.3	+6	38	-4	NW	4	-	b	3	1	45	36	to	o	o, c, b	*					
	Birr Castle	1002.5	44	NW	1	c	1009.4	*	38	0	NW	1	-	o	*	0.1	46	33	o, c	op, c	c, o	0.9					
	Donaghadee	1002.4	44	NNE	2	og, m	1008.4	+5	40	+1	ENE	5	NE	cg, m	5	-	47	38	om, bc, m	bc, m	cm, om	*					
	Liverpool (Bidston)	1002.6	34	NNW	1	s	1001.9	+2	35	-7	NNE	3	-	og	3	27	44	32	or	op, rs	ors	0.0					
	Holyhead	1002.1	39	E	4	op	1003.0	+2	40	-3	NE	6	-	om	5	16	46	39	op, p, m	op, o	om	0.0					
	Penbroke (St. Ann's)	998.3	37	NE	5	og, r	1002.1	+2	41	0	NNW	5	-	og, r	4	17	42	37	or	og, r	og, rs	0.0					
	Scilly (St. Mary's)	998.4	44	N	5	om, r	1007.1	+2	44	-6	NW	7	NW	c	6	10	51	39	om, d	om, r	om, r, c	0.0					
	Falmouth	996.7	50	S	7	dm, g	1003.7	+6	42	-9	NW	7	-	bc, g	*	10	52	39	og, dm, g	dm, g	rd, g, p, g	0.0					
	Jersey (St. Aubin)	1005.2	52	SSW	4	c	1001.4	+3	43	-7	W	7	W	c	4	2	54	42	o, c, o	o, bc, c	bc, o, c	0.7					
	Portland Bill	1002.5	49	S	5	c	997.1	+1	41	-6	WNW	4	-	o	4	2	50	41	or, c	c	or, c	*					
	Dungeness	1006.3	49	SW	4	bc	999.5	+1	46	-2	SW	3	SW	cg	3	2	50	45	cg	cg, c	cg, c	*					
NORTHERN EUROPE, ICELAND, &c.	Wick	1001.0	38	NNW	2	c	1012.3	+3	35	-5	N	4	-	bc	3	1	47	34	bc, m, mo	o, om, p	c, bc	*					
	Nairn	1001.7	39	WSW	2	c	1012.7	*	35	-5	NE	1	-	bc	2	0.2	45	34	gc, bc	bc, cg	cg, bc, a	6.7					
	Aberdeen	1001.3	39	NW	3	b	1010.6	+5	36	-4	N	3	-	o	2	-	50	34	bc, v, y	bc, v, y	b, bc, o	8.1					
	Leith	1001.8	43	W	2	c	1008.1	+2	38	-2	NNE	4	-	o	3	-	47	37	cg, bc, bc	bc, g, o, c	c, o, g, u, s	*					
	Tynemouth	1001.1	44	WNW	2	om	1004.8	+2	40	+1	NE	4	-	om, g	3	5	48	38	om	om	om, r	*					
	Spurn Head	1002.9	41	ESE	2	od, m	998.0	0	40	+3	NNE	7	-	og, p	5	8	51	39	o	od, m	om, p	0.0					
	Yarmouth (Gorleston)	1004.7	50	SSW	6	o	999.8	-2	43	0	S	3	-	or	3	3	53	42	om, r, om	om, g	o, ng, p, r	0.0					
	Clacton-on-Sea	1005.3	47	S	4	c	999.2	0	45	-1	SSW	4	SW	og	2	2	50	45	og	og, c	y, og, r	0.0					
	Nottingham	1001.6	41	ENE	2	ot	998.2	*	38	-4	NE	4	NE	oe	*	20	42	36	tin	tm	r	0.0					
	Benson (Oxon.)	1002.5	51	SSW	5	o	996.3	-1	47	-1	S	3	-	od	*	2	52	47	-	to, o	or	*					
	Sth Farnborough	*	55	SSW	6	o	997.7	0	46	-7	SSW	4	-	or	*	2	54	46	om, do	od, od, o	o, or, or	0.0					
	London (Kew Obs.)	1003.6	53	SSW	4	o	997.7	-1	48	-2	S	3	-	o	*	2	54	48	ot, o	od, o	o, or, o	0.0					
	FRANCE, &c.	Isafjord	1016.6	21	-	0	b	1018.6	0	10	-9	-	0	-	b	*	*	*	*	THE BEAUFORT SCALE OF WIND FORCE.							
		Reykjavik	1013.5	25	-	0	b	1017.7	0	18	+8	E	3	-	b	*	*	*	*								
		Vestmanna	1011.0	30	-	0	b	1017.2	+1	30	+11	E	1	-	b	1	*	*	*					*			
		Seydisfjord	1016.8	27	N	1	s	1020.4	+1	12	-9	-	0	-	b	*	*	*	*								
		Thorshavn	10030	34	NNE	4	c	1017.7	+5	33	+3	N	4	*	o	*	*	*	*	Limits of Velocity.							
		Spitsbergen														*	*	*	*					No.	Statute miles per hour.		Metres per second.
		Vardö	993.9	27	S	5	o	994.9	+1	28	+3	NW	5	-	s	4	*	27	21						0	Less than 1	Less than 0.3
		Gjesvær	991.0	19	SE	2	b	995.8	*	19	-4	SE	2	-	b	2	-	32	14								
Bodö		984.6	30	NNW	1	s	995.0	+3	30	0	N	4	-	o	2	-	32	23	1	1-3	0.3-1.5						
Christiansund		990.9	36	SW	2	s	1004.8	+5	36	-1	WNW	2	-	c	3	8	37	32				2	4-7	1.6-5.3			
Skudesnaes		992.7	43	S	5	o	1004.6	+6	36	-3	N	4	-	b	2	Trace	43	34							3	8-12	5.4-8.4
Færder (Xania Fjord)		995.8	37	SW	6	b	999.3	+5	36	-1	WSW	4	-	bc	3	-	39	36									
Haparanda		987.5	28	NE	2	o	992.2	+2	23	+2	NE	2	-	s	-	11	30	21	5	19-24	8.0-10.7						
Hernösand		988.4	34	-	0	b	995.8	+5	32	0	-	0	-	c	-	-	37	27				6	25-31	10.8-13.8			
Stockholm		995.3	39	WSW	4	b	999.7	+2	37	+3	SW	4	-	o	-	Trace	45	32							7	32-38	13.9-17.1
Wisby		1001.1	39	WSW	4	b	1004.0	0	39	0	WSW	4	-	o	4	Trace	45	37									
Karlstad		997.0	37	W	2	b	1000.0	+3	36	+2	-	0	-	o	*	Trace	41	34	9	47-54	20.8-24.4						
The Scaw (Skagen)		999.5	39	W	1	c	1001.7	?	39	-2	SW	2	-	o	2	-	45	37				10	55-63	21.5-23.4			
Blaavands Huk		1005.1	39	SW	2	o	1004.6	+1	41	+2	W	1	-	f	*	2	41	37							11	64-75	25.5-33.6
Copenhagen		1006.7	45	WSW	3	o	1006.4	+1	45	-1	SW	2	-	f	*	1	48	45									
Bornholm	1007.4	37	WSW	7	f	1006.9	0	43	+2	SW	7	-	f	1	1	43	36	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 Helder	1006.9	46	S	4	o	1001.6	-2	48	+3	SE	3	SW	c	2	Trace	50	45										
Brussels														*	-	?	?										
Coblenz						1008.7	0	48	-6	SW	1	-	b	*	-	?	?										
IBERIA, &c.	C. Gris Nez	1013.1	?	SW	4	o	1000.8	0	46	0	SSW	3	S	c	3	2	54	45									
	La Hève																										
	Cherbourg						999.0	+1	45	-7	WSW	5	-	c	3	3	55	43									
	Brest (St. Mathieu)	1001.5	52	SSW	5	o	1007.0	+4	46	-4	NW	7	-	c	5	7	54	43									
	Rennes	1007.7	54	S	3	o	1005.1	+9	43	-9	NW	4	-	o	?	5	?	?									
	Roche fort (le d'Aix)	1008.4	58	SW	5	o	1010.1	+3	48	-2	WNW	7	-	o	*	-	63	48									
	Biarritz						1014.7	+1	48	-9	W	4	-	r	5	18	70	45									
	Paris	1010.7	58	SSW	2	b	1005.5	+3	50	0	S	2	-	o	*	Trace	61	50									
	Strasbourg	1013.9	61	S	1	b	1011.3	-1	41	-5	NE	1	-	b	*	-	64	41									
	Besancon						1010.1	?	52	+9	SW	2	E	b	*	-	64	43									
Clermont	1012.6	57	SW	2	b	1008.0	+2	50	+14	S	5	-	o	*	?	68	36										
Limoges	1012.0	?	S	1	bc									*													
Nice																											
Sicie	1019.0	50	E	3	f	1016.6	-1	46	-4	E	3	-	f	3	-	57	45										
Perpignan	1014.7	54	NE	1	m	1011.1	+2	50	+4	NW	1	-	o	-	-	61	43										
IBERIA, &c.	Corunna	1011.8	50	WSW	4	o	1022.1	+4	54	-1	NW	4	-	bc	5	15	61	45									
	Madrid													*													
	Lisbon													*													
	Azores (Horta)	*												*													
	(P. Delgada)	*												*													
Madeira	1022.3	63	N	2	o	1026.1	+1	55	0	NE	3	N	bc	3	-	64	55										
Gibraltar	1020.3	55	E	1	bc	1021.0	*	54	-	NW	3	*	c	3	-	61	50										

\* Information for these columns not usually received

† Received too late for insertion in Charts.

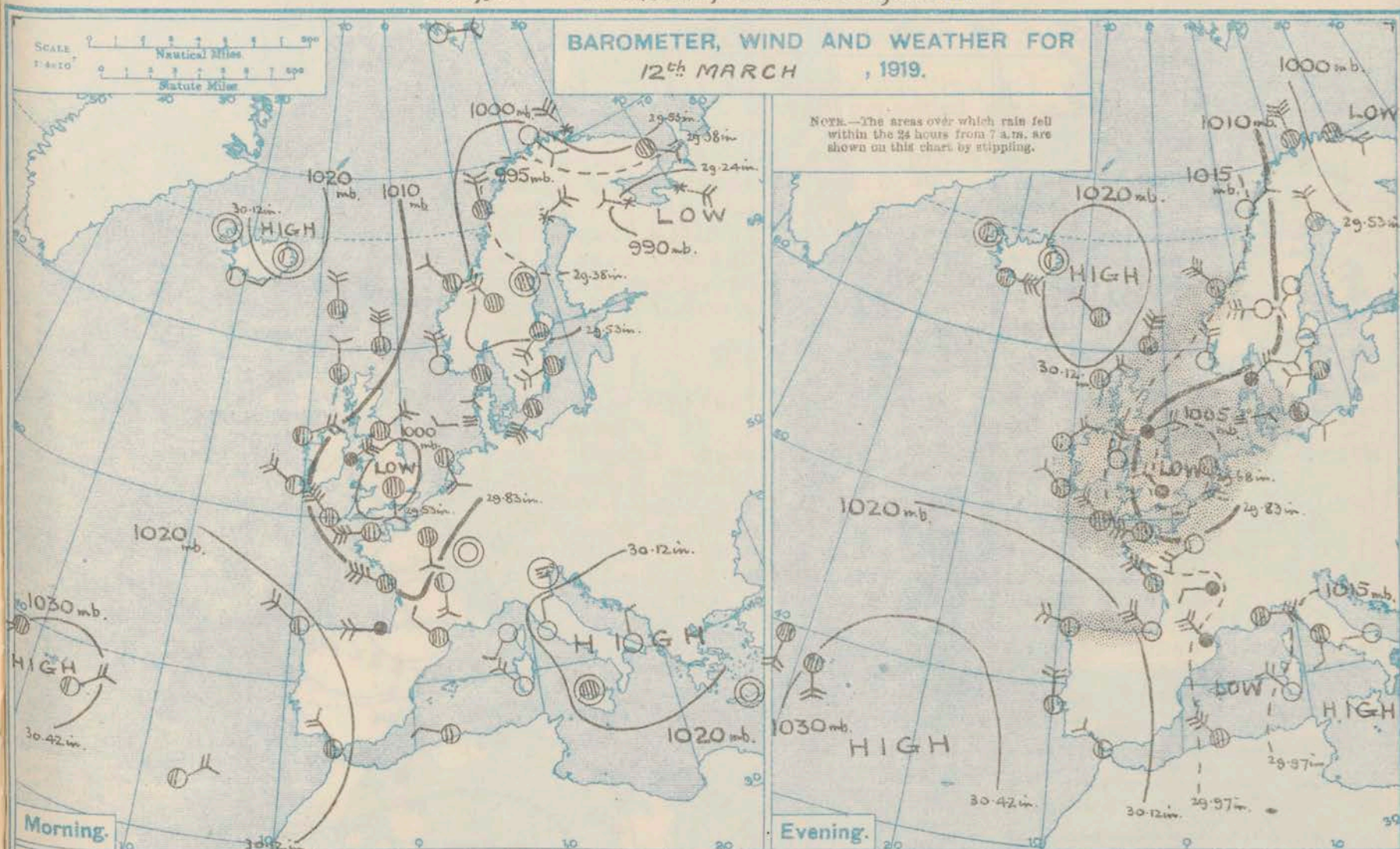
The barometric change is expressed in half-millibars



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,930

THURSDAY, 13<sup>th</sup> MARCH, 1919.



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

STATIONS.	EVENING OF 11 <sup>th</sup> .....				MORNING OF 12 <sup>th</sup> .....				AFTERNOON OF 12 <sup>th</sup> .....			
	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc. Force 0-12.	Weather.	Barom. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Change in 24 hours.	Wind Direc. Force 0-12.	Weather.	Barom. Millibars at M.S.L.	Temp. °F.
RUSSIA												
Sviatonos ...												
Kandalatska ...												
Archangel ...					988.3		19	-2	SE 4	s		
Soroka ...												
MEDITERRANEAN												
Algiers ...	1021.0	57	NE 2	b	1015.9	-1	57	-	WNW 1	bc		63 50
Malta ...	*	*	*	*								
Salonica ...												
Athens ...												
Candia ...												
Limassol ...	*	*	*	*	1016.6	0	59	+4	0	b		70 54
Alexandria ...	1014.4	70	E 3	b	1015.0	+1	54	-5	ESE 2	bc		90 ?
Cairo (Helwan) ...	1013.9	77	NE 4	b	1015.3	+2	61	-5	NW 1	b		91 51
ITALY												
Venice ...	1020.7	52	- 0	b	1019.3	*	46	+5	- 0	m		61 41
Turin ...												
Leghorn ...	1020.9	52	- 0	0	1020.1	*	46	0	E 1	0		61 41
Rome ...	1020.1	52	- 0	b	1020.5	*	41	-4	- 0	b		64 41
Viesti ...	1021.3	50	NW 1	b	1020.5	*	50	0	- 0	b		57 ?
Brindisi ...	1021.4	52	N 1	b	1021.3	*	48	-7	N 1	b		55 48
Cagliari ...	1017.7	64	NW 3	b	1017.8	*	50	+2	NW 3	b		68 46
Palermo ...	1020.5	54	- 0	b	1020.2	*	50	0	- 0	0		61 45
Tripoli ...												

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> March 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...		6.16	12.3	5.50
Greenwich ...		6.14	12.3	5.52
Wick ...		6.22	12.10	5.58
Valencia ...		6.19	12.10	5.59
		6.38	12.22	6.5
		6.35	12.22	6.8
		7.3	12.51	6.39
		7.6	12.51	6.41

### LONDON

	Humidity.		Sun-shine for 12 h.	TEMPERATURE.			Rain-fall.	WEATHER.		
	13 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
13 <sup>th</sup> March 1919. 9 h. G.M.T.										
GREENWICH (Royal Observatory) ...	96	76	0.8	51	33	28	1	od	or, od	og, b
CITY (Bunhill Row) ...	*	*	0.2	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ...	94	76	0.4	52	34	31	0.3	*	*	*
(Roof of Admiralty Arch) ...	93	73	0.4	52	35	*	0.1	emp	odp	og, bc, b
CAMDEN SQ. (British Rainfall) ...	92	72	0.4	51	32	30	1	0	od	*
KENSINGTON PALACE ...	*	75	*	51	33	27	0.2	0	od	*
RICHMOND PARK ...	*	*	-	*	*	*	*	*	*	*

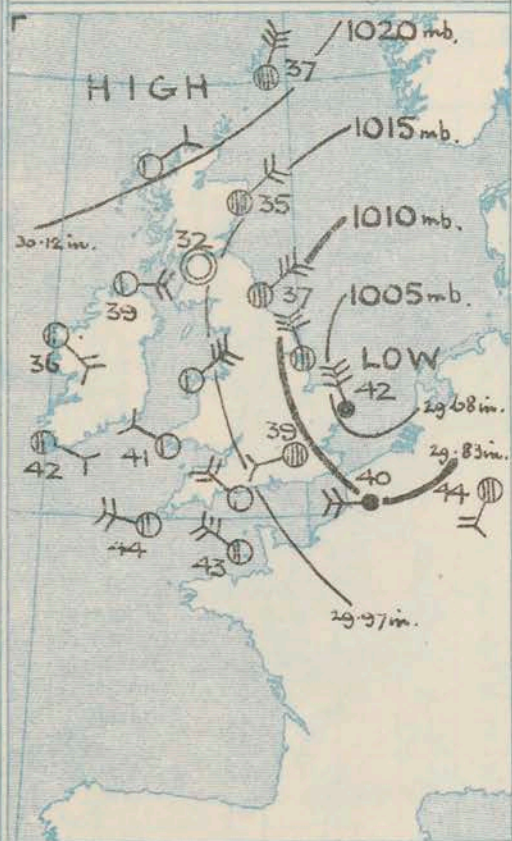
### SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 12 h.		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
301	7.3	37



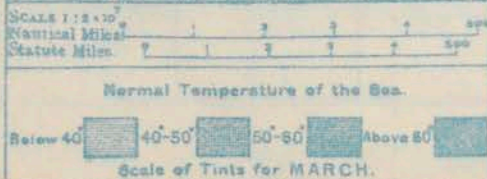
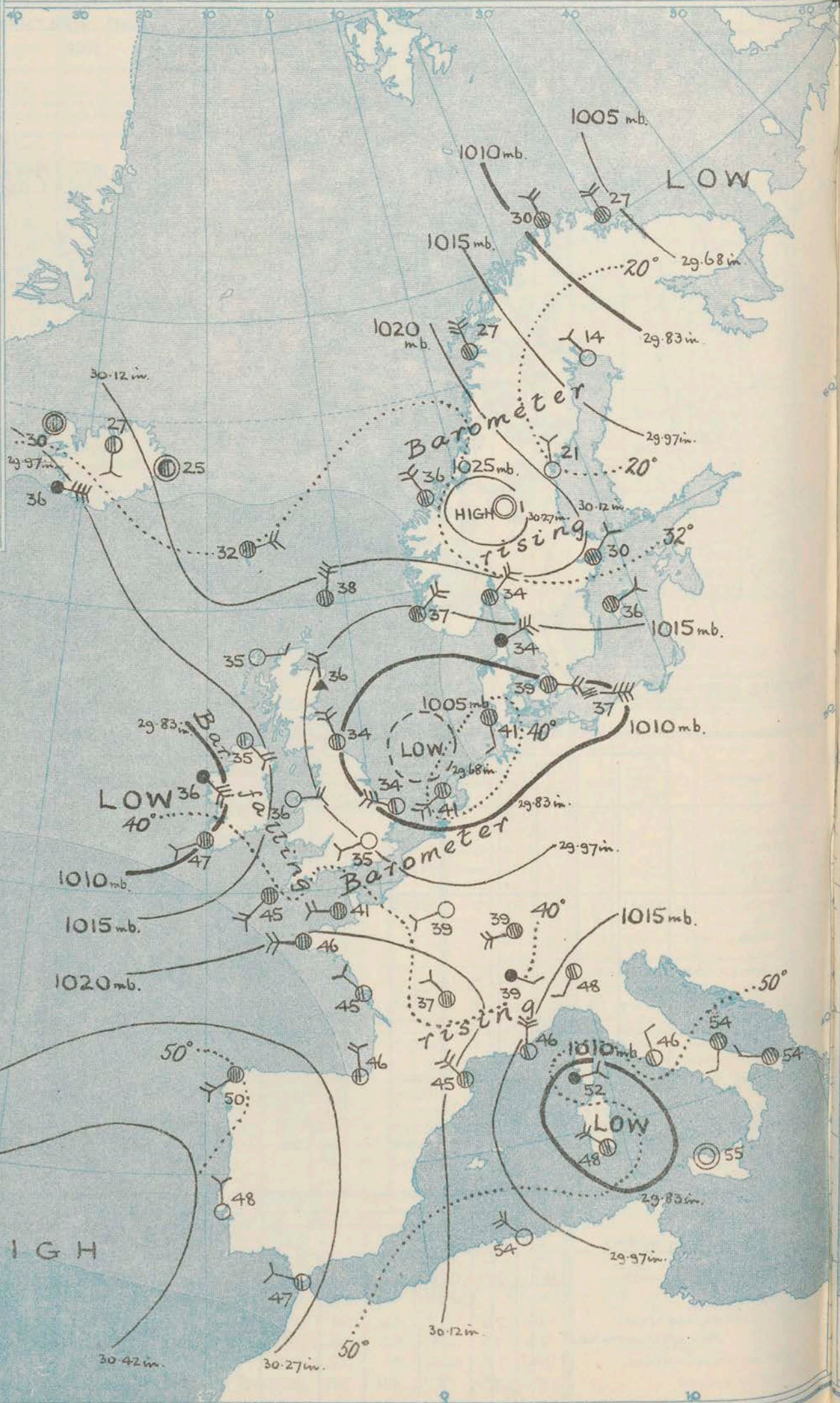
13<sup>TH</sup> MAR, at 1h. G.M.T.

THE MORNING OF THURSDAY, 13<sup>TH</sup> MARCH, 1919 at 7h. G.M.T.

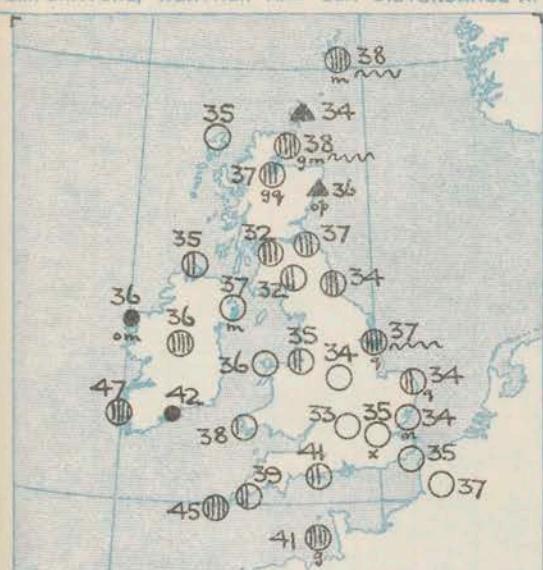


EXPLANATION.

**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 1/2 clouded. ○ overcast sky. ● rain falling.  
 \* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.  
**SEA DISTURBANCE.**—Rough ~~~~ High ~~~~







## NOTES.

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

Rain fell in nearly all localities in these Islands, the largest quantities reported being 12 mm. at Nottingham, 11 mm. at Liverpool, and 10 mm. at Valencia; at some northern stations the precipitation was sleet and snow. Temperature remained below  $40^{\circ}$  in some parts of the Midlands and the north and below  $45^{\circ}$  over a large portion of the Kingdom. Slight frost occurred at night over a very wide area. Bright sunshine was abundant in Scotland and in the extreme south-west of Ireland and England, but generally there was little.

## The Conditions at 7h. Today

The depression of yesterday has moved east-north-eastward to the North Sea and become less deep, while another has appeared off the west of Ireland and is moving eastward. Pressure is high in a large area extending from the Azores to Central France and in another area extending east-south-eastward from Iceland to Stockholm. The NWly. to NEly. winds prevalent over the greater part of England and Scotland in the rear of the North Sea depression blow a fresh breeze at many stations and a high wind at Spurn Head, but the SWly. to SEly. winds over Ireland in front of the approaching depression have little force at present. Much cloud is reported in Scotland and Ireland, and also in the NE. of England, but in England generally the weather is fair or fine. Hail showers are falling locally in Scotland, and rain has set in at some Irish stations. Temperature has fallen in most regions and is now below  $35^{\circ}$  in various parts of Great Britain.

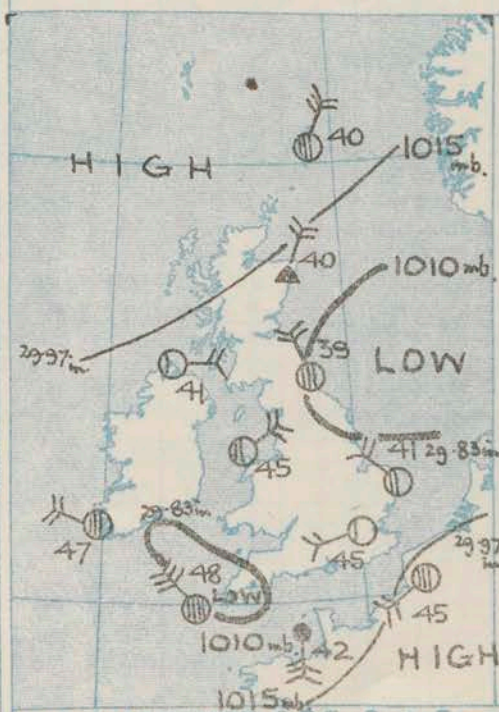
## The Outlook

A strong Southerly wind at the Azores seems to point to another depression far out on the Atlantic and it is, therefore, probable that an unstable type of weather will prevail over this country for several days.

RS.

THURSDAY, 13<sup>th</sup>

MARCH, 1919, at 13h. (1p.m.) G.M.T.



A small depression has appeared over the south-west of England and rain has already set in as far east as Portland Bill and the Channel Isles.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 72.

THURSDAY  
13th MARCH

STATIONS.	EVENING OF... 12th					MORNING OF... 13th					24 HOURS ENDED 7 h. 13th					Sun- shine for 12th						
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours	Temp. Dry Bulb.	Change in 24 hours	WIND.	Dir. of Upper Cloud.	Weather.	Sea 0-3.	Rain- fall Milli- metres.	TEMP.		WEATHER.					
			Dir.	Force 0-12.											Max.		Min.	Morning	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1019.1	37	NNE	6	o	1019.7	0	38	+2	NNE	5	-	om	5	45	34	oph	o	c		
	Houton B. (Orkney)	1019.2	35	NE	5	o	1019.1	-1	34	+3	NE	6	*	rh	4	39	31	bc c	co ps	ps	*	
	Stornoway	1019.7	37	NE	4	cpth	1019.0	0	35	+1	E	1	-	b	1	43	33	c	cpth	bc b	2.8	
	Castellbay (Barrahead)	1018.8	40	NNE	4	b												b	b			
	Glasgow	1015.3	38	N	2	c	1015.9	-1	32	-3	-	0	-	c	*	Trace	43	30	bc c	bc r sp	bc c	5.8
	Esksdalemuir	1013.2	35	N	3	bc	1013.7	-1	32	-3	N	4	-	c	*	1	39	28	os p	oc p s q	bc o s p	3.1
	Malin Head	1016.7	40	NNE	3	bc	1013.9	-2	35	-	SE	3	-	bc	2	43	31	bc q	bc	b	0.0	
	Blacksod Point	1016.4	41	NE	3	bc	1007.9	-4	36	0	SE	5	-	om r	4	45	34	bc b	bc p h	bc o q r	*	
	Valencia (Cahirciveen)	1018.4	45	NW	2	b	1010.9	-5	47	+7	WSW	2	-	o	3	48	38	b bc	cy, bu	c, o p r	8.7	
	Roche's Point	1017.2	45	NW	2	c	1011.9	-4	42	+4	SSW	4	-	r	4	49	36	b, bc	bc, c	c, o r	*	
	Birr Castle	1016.7	40	NW	1	c	1012.3	*	36	-2	SSE	1	-	o	*	46	31	o, c	c	c, o	3.9	
	Donaghadee	1014.9	41	NNE	4	bz	1015.3	0	37	-3	NE	3	-	bm	3	42	36	cg, bz	bz	bcz		
	Liverpool (Bidston)	1011.8	35	NE	3	bc	1014.1	+1	35	0	NNW	4	N	bc	3	39	35	sr	os, bc	bcz	0.0	
	Holyhead	1013.2	41	NNE	6	bg	1015.5	0	36	-4	E	3	-	b	2	44	36	os, o q	c, b, c, b	bc b	2.6	
	Pembroke (St. Ann's)	1014.7	41	NNW	4	bc q	1015.9	-2	38	-3	E	2	-	b	2	45	38	os, r, c	cg, bc	bc b	3.7	
	Silly (St. Mary's)	1016.7	45	NW	5	c	1015.7	-3	45	+1	SW	3	SW	o	4	47	42	bc p h	bc	c, o p	7.2	
	Falmouth	1015.7	43	NNW	5	bc q m	1015.9	-5	39	-3	SW	3	-	bc	*	46	36	cp h q	cg, cp q	b, bc p	5.1	
	Jersey (St. Aubin)	1011.4	45	WNW	6	o	1018.2	+1	41	-2	W	3	-	og	2	49	38	bc p	bc q, bc	q p b o g	7.2	
	Portland Bill	1007.6	42	WNW	6	o	1016.4	+2	41	0	NW	4	-	bc	4	44	41	c, b	o p	bc	*	
	Dungeness	1002.8	43	SW	6	cg	1013.3	+3	35	-11	WNW	4	-	b	4	49	34	cg, bc	cg	cg, c b	*	
Wick	1018.0	39	NNE	5	bc	1017.3	-1	38	+3	NE	5	-	om q	5	41	34	bc	bc	bc o m p	*		
Nairn	1017.3	39	NE	3	bc	1016.9	*	37	+2	NE	4	-	cg s	3	42	33	q bc	q bc	cg s p	7.1		
Aberdeen	1015.1	38	N	3	b	1014.2	-1	36	0	N	4	-	oh p	3	42	35	bc p h	bc r s q	bc o m p	4.1		
Leith	1014.1	37	NE	4	c	1014.2	0	37	-1	N	3	NE	c	3	42	36	os, q	c, os, c	cg, c	*		
Tynemouth	1009.9	37	ENE	3	rm	1009.9	0	34	-6	NNW	4	-	cg	4	41	34	om p	om p	cg p	*		
Spurn Head	1002.4	38	NNE	8	og r	1006.7	0	37	-3	NW	7	-	og	6	41	35	og r	og r	cg o p	0.0		
Yarmouth (Gorleston)	1001.2	44	SSW	4	bc	1007.8	+3	34	-9	WNW	5	-	bc q	4	52	34	os, bc	bc q	om q, r	2.5		
Clacton-on-Sea	1001.9	43	SSW	4	o	1011.8	+4	34	-11	W	4	-	bm	3	48	34	og p o	c, o c	og m p	1.7		
Nottingham	1005.7	36	N	5	dm	1012.1	*	34	-4	NW	3	NW	b	12	38	33	rh	rs	o, c	0.0		
Benson (Oxon.)	1005.6	37	NNW	5	t	1016.5	+3	33	-14	W	3	-	b	*	50	32	rh	rs	o, c	*		
St. Farnborough	*	*	WNW	6	om	1015.4	+2	32	-14	W	2	-	b	*	49	30	rh	rs	o, c	1.0		
London (Kew Obs.)	1003.2	41	NW	2	om r	1015.0	+2	35	-13	WSW	2	-	bx	*	51	34	og p r	o, om	om r, o	0.7		
NORTHERN EUROPE, ICELAND, &c.	Isafjord	1016.3	23	-	0	bc	1015.5	-1	30	+20	-	0	-	c	*	*	*	*	*	*		
	Reykjavik	1015.9	34	ESE	4	c	1014.3	+1	36	+18	E	7	-	r	*	*	*	*	*	*		
	Vestmanna	1015.7	36	E	7	c								*	*	*	*	*	*			
	Seydisfjord	1021.9	24	-	0	b	1023.4	+1	25	+13	-	0	-	c	*	*	*	*	*			
	Thorshavn	1023.3	32	NW	2	c	1024.7	+1	32	-1	ENE	4	-	o	*	*	*	*	*			
	Spitsbergen													*	*	*	*	*	*			
	Vardö	1009.5	32	SE	3	o	1005.6	+3	27	-1	N	4	-	o	4	32	27					
	Gjesvær	1001.5	30	N	6	o	1007.1	*	30	+11	N	3	-	o	3	30	19					
	Bodö	1015.8	32	NE	2	b	1019.5	+5	27	-3	N	5	-	c	2	30	21					
	Christiansund	1018.1	36	-	0	c	1023.9	+3	36	0	NNW	4	-	c	4	36	32					
	Skudesnaes	1013.0	37	NNE	4	b	1014.4	0	37	+1	NE	4	-	o	2	41	34					
	Færder (X'ania Fjord)	1013.2	37	NE	2	o	1017.5	+2	34	-2	NE	4	-	o	1	39	32					
Haparanda	1002.5	21	N	4	c	1013.0	+5	14	-9	NW	2	-	b	-	Trace	28	7					
Hernösand	1006.1	34	?	2	b	1019.1	+5	21	-11	N	2	-	b	2	39	18						
Stockholm	1009.3	36	SW	2	b	1019.5	+5	30	-7	NE	2	-	o	-	41	28						
Wisby	1009.6	39	WNW	2	o	1017.1	+4	36	-3	ENE	2	-	o	2	Trace	43	36					
Karlstad	1012.0	36	-	0	o	1019.8	+8	32	-4	ENE	2	-	o	*	41	25						
FRANCE, &c.	The Scaw (Skagen)	1009.5	37	NE	3	r	1012.7	?	34	-5	ENE	5	-	r	5	6	43	32				
	Blaavands Huk	1005.3	41	E	1	rm	1008.0	+1	41	0	S	1	-	o	*	7	45	37				
	Copenhagen	1007.4	45	-	0	o	1010.6	+2	39	-6	ESE	4	-	o	*	54	39					
	Bornholm	1007.8	48	SE	2	m	1009.5	+1	37	-6	ESE	7	-	f	0	50	34					
	The Helder	1004.8	46	S	4	o	1005.6	+3	41	-7	WSW	4	-	c	3	Trace	55	41				
	Brussels													*	*	*	*					
	Coblentz	1009.0	55	SSW	1	b	1014.9	+1	41	-7	SW	1	-	o	*	?	?					
	C. Gris Nez	1004.6	?	WSW	7	o	1014.4	+5	37	-9	W	5	W	b	5	Trace	50	34				
	La Hève	1009.1	43	W	5	r	1017.4	+6	41	-	WNW	4	W	c	5	48	39					
	Cherbourg						1018.4	+2	39	-6	NW	3	-	bc	3	48	39					
	Brest (St. Mathieu)	1016.8	45	NW	6	c	1020.3	0	46	0	?	4	-	o	3	48	43					
	Rennes	1014.0	46	WNW	2	bc	1020.8	+3	36	-7	SW	1	-	c	*	52	34					
Rochefort (Île d'Ax)	1017.3	48	NW	5	c	?	+2	45	-3	NW	2	NW	bc	*	52	45						
Biarritz	1019.1	49	NW	5	b	1024.0	+3	46	-2	N	3	-	bc	5	10	52	46					
Paris	1011.5	48	WSW	3	b	1018.3	+4	39	-11	WSW	2	-	b	*	Trace	52	39					
Strasbourg	1008.4	59	WNW	1	b	1016.3	+3	45	+4	WSW	1	-	o	*	66	39						
Besancon						1019.1	?	39	-13	WSW	2	SW	o	*	61	37						
Clermont	1015.9	39	S	1	o	1022.0	+3	37	-13	NW	2	-	o	*	7	52	34					
Limoges	1014.6	?	-	0	b	1022.6	?	34	-	-	0	S	bc	*	4	?						
Nice	1013.0	48	E	5	c	1011.1	0	48	-	-	0	S	c									

## THE BEAUFORT SCALE OF WIND FORCE.

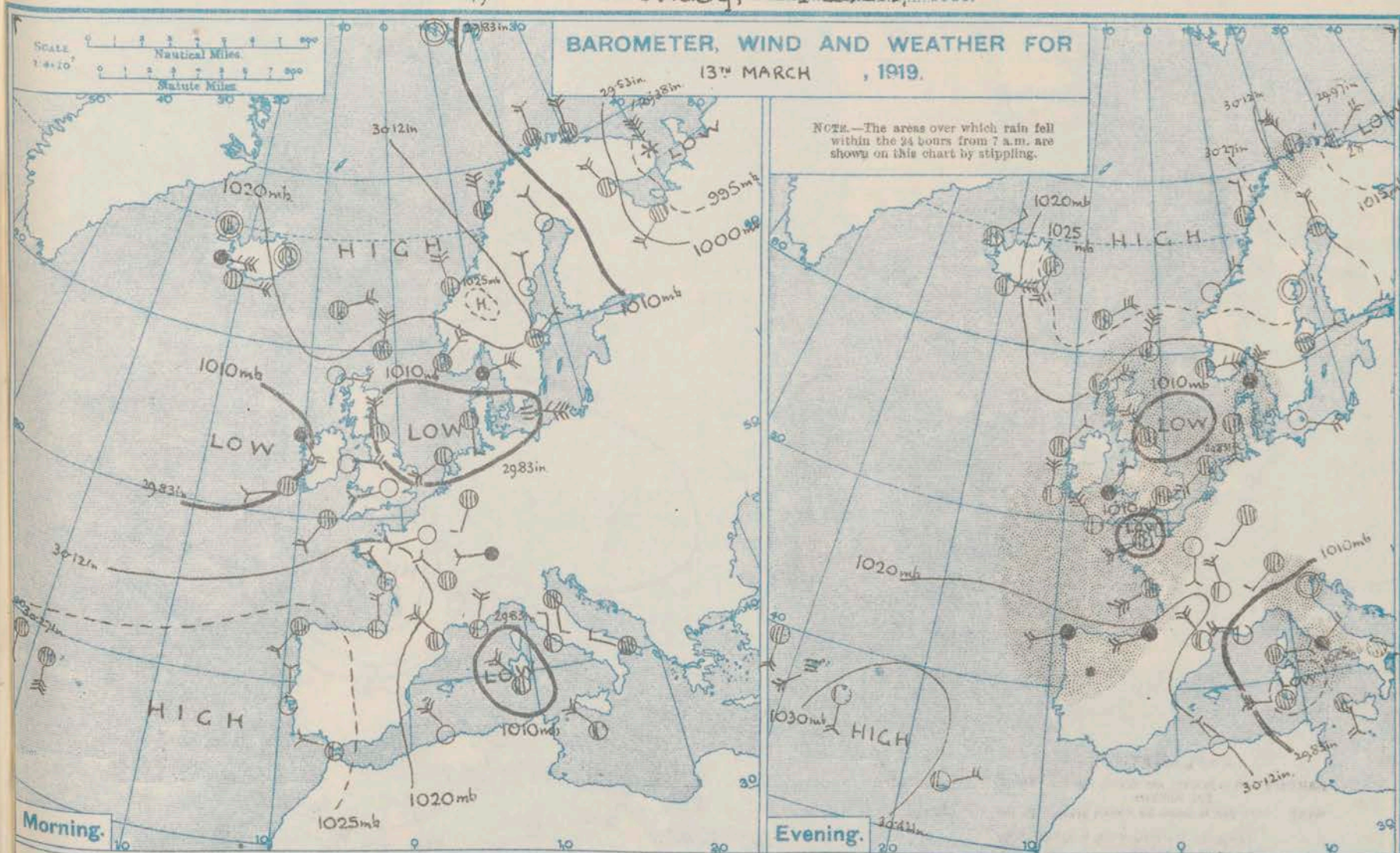
No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.1
11	64-75	28.5-35.5
12	Above 75	35.6 or above



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,931

Friday, 14<sup>th</sup> March, 1919.



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

STATIONS.		EVENING OF...12 <sup>th</sup> ...					MORNING OF...13 <sup>th</sup> ...										AFTERNOON 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.				
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Dirac.	Force 0-12.			Max.	Min.	Dry Bulb.	Change in 24 hours.		Dirac.	Force 0-12.		
		° F.							° F.	° F.				° F.	° F.			° F.	° F.							
RUSSIA.	Sviatonos ...						996.2	*	18	?	N	3	-	*	*	*	Isafjord ...	1015.7	39	+15	-	0	bc			
	Kandalatska ...													*	*	*	Reykjavik	1015.3	39	+6	ESE	6	c			
	Archangel ...						993.2	?	19	0	NNW	2	-	*	*	*	Vestmanna	1017.9	37	+4	E	10	c			
	Soroka ...														*	*	*	Seydisfjord	1025.5	32	+3	SW	5	b		
MEDITERRANEAN.	Algiers ...	1014.4	59	NW	6	c	1019.3	+2	54	-3	NW	4	b	-	66	54	Thorshavn	1025.6	36	+2	ENE	4	0			
	Malta ...	*	*	*	*	*	1010.1	+3	57	?	NW	4	bc	-			TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM									
	Salonica ...						1016.3	0	59	0	-	0	b	-	73	45	14 <sup>th</sup> & 15 <sup>th</sup> March 1919.									
	Athens ...						1014.6	+1	61	+7	ESE	3	b	-	81	54							Sunrise.			Noon.
	Candia ...						1014.1	+2	64	+3	-	0	b	-	91	57	G.M.T.			G.M.T.			G.M.T.			
	Limassol ...	*	*	*	*	*											Yarmouth ...									
	Alexandria ...	1015.0	64	?	2	b										6.14							12.3			5.52
ITALY.	Cairo (Helwan) ...	1013.9	79	NE	3	b										Greenwich ...										
	Venice ...						1012.9	*	36	?	-	0	bc	-	57							36	6.11			12.2
	Turin ...	1013.8	54	E	2	0	1013.5	*	50	+4	E	2	0	bc	-	57	45	6.19			12.10			5.59		
	Leghorn ...	1015.3	55	SSE	1	b	1011.3	*	46	+5	-	0	bc	Trace	63	41	6.17			12.9			6.2			
	Rome ...	1016.2	54	S	1	c	1011.9	*	54	+4	S	1	0	-	59	?	6.35			12.22			6.8			
	Viesti ...	1017.3	54	W	1	b	1013.7	*	54	+6	NNW	1	0	-	61	48	6.32			12.21			6.11			
	Brindisi ...	1016.6	57	W	1	0	1008.5	*	48	-2	NW	4	c	4	66	45	7.0			12.51			6.41			
Cagliari ...	1017.7	64	NW	3	b											Valencia ...										
Palermo ...	1016.9	55	-	0	0	1011.2	*	55	+5	-	0	b	-	61	43							6.58			12.50	
Tripoli ...																										

LONDON					24 HOURS ENDED 9 h. 14 <sup>th</sup> MARCH										SOUTH KENSINGTON (M.O.)		
14 <sup>th</sup> March 9h. G.M.T.					TEMPERATURE.					WEATHER.					Vertical Component of Solar Radiation per square Centimetre during 13 <sup>th</sup> ...		
					Max.	Min.	Min. on Grass.	Rain-fall.		Morning.	Afternoon.	Night.			Total.	Average Rate.	Max. Rate.
					°F.	°F.	°F.	mm.							Joules.	Milliwatts.	Milliwatts.
GREENWICH (Royal Observatory)					58	77	8.0	49	31	28	-	b. bc.	bc. c. 0	0. c. bc.			
CITY (Banhill Row)					*	*	6.9	*	*	*	*	*	*	*			
WESTMINSTER (St. James's Park)					65	82	7.5	49	33	29	-	*	*	*			
(Roof of Admiralty Arch)					57	74	7.4	48	35	*	-	bm	bc	bc. c. b. xm.			
CAMDEN SQ. (British Rainfall)					53	80	6.8	49	28	28	-	b	b	*			
KENSINGTON PALACE					*	73	*	47	31	21	-	b. bc.	bc. c.	*			
RICHMOND PARK					*	*	8.0	*	*	*	*	*	*	*			

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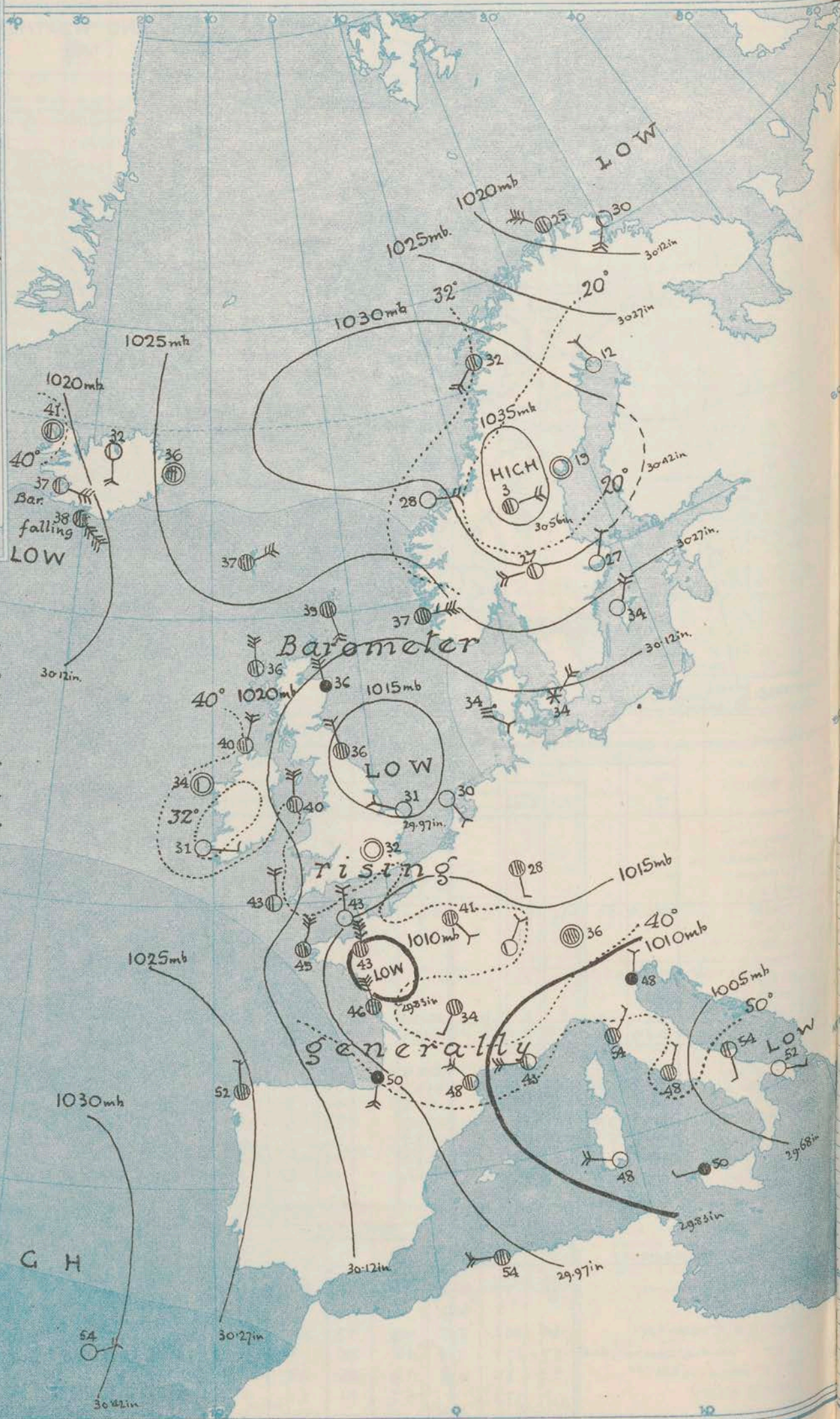
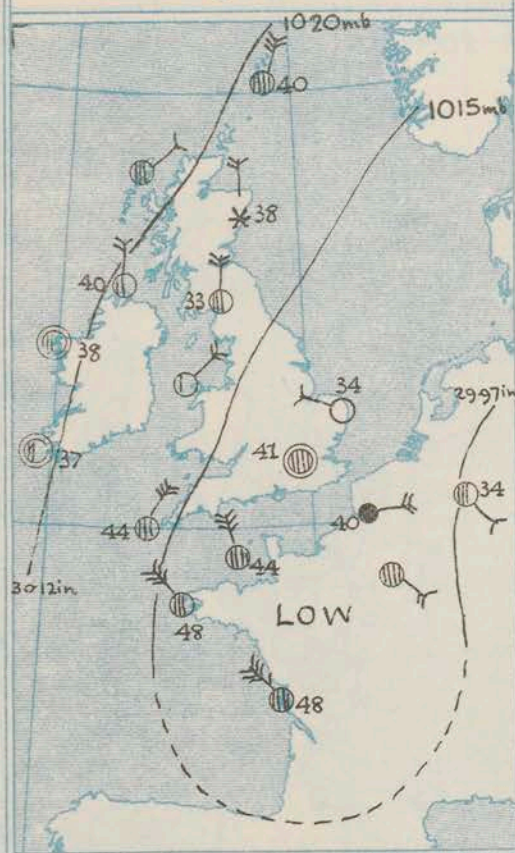
† The barometric change is expressed in half-millibars.



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

THE MORNING OF Friday, 14<sup>th</sup>

MARCH, 1919 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 1/2 clouded. ○ overcast sky. ● rain falling.

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

K, thunderstorm. SEA DISTURBANCE.—Rough wavy. High wavy.

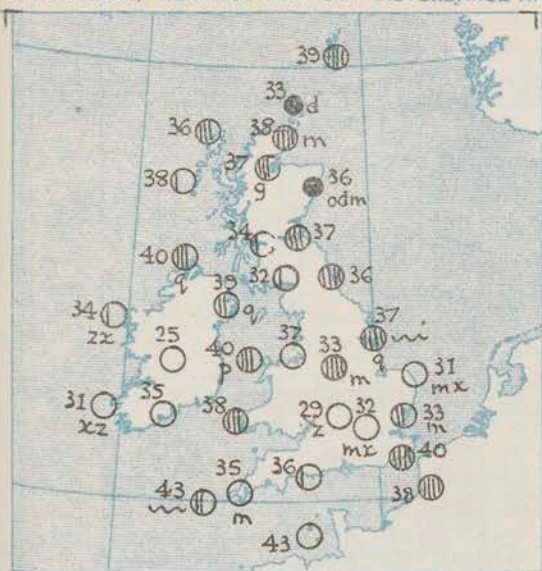
SCALE 1:100,000  
Nautical Miles  
Statute Miles

Normal Temperature of the Sea.

Below 40° 40°-50° 50°-60° Above 60°

Scale of Tints for MARCH.





NOTES.

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

Temperature remained below 50° in almost all parts of the British Isles and below 40° at some northern stations. Frost, mostly slight, occurred at night over a wide area. Rain, snow or sleet locally, fell very generally in the north and west, but the largest amount was 9 mm. at Falmouth. Bright sunshine was very prevalent in the west of Scotland and north of Ireland, as well as in the north-west and south-east of England. At Malin Head the record was 10.6 hours, Castlebay 10.2 hours, and at Clacton 10.1 hours.

The Conditions at 7h. Today

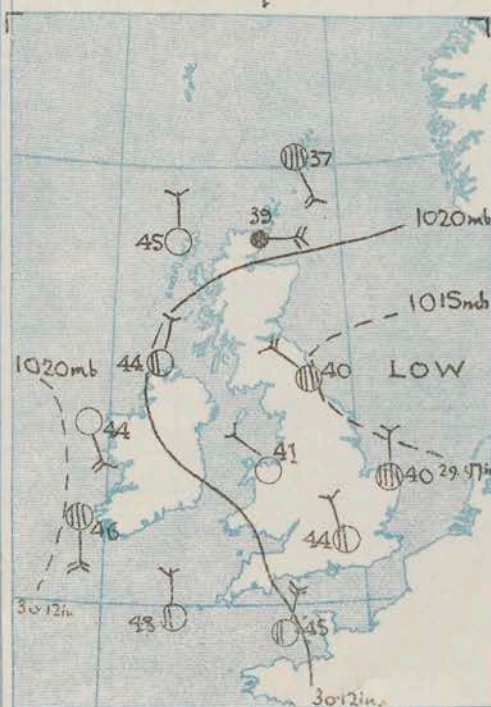
Pressure is now highest in a well-marked anticyclone centred over Scandinavia and lowest in depressions over the North Sea and France. It is also relatively low in the west of Iceland. The barometer is rising slowly generally and the two depressions are becoming less deep. The wind is strong to a gale from the South-Eastward on the south-west coast of Iceland and high from the Eastward at Skudesnaes. Over the British Isles, where the wind is mainly N. to NW, it is generally light or moderate. The sky has little cloud over a large area in these Islands, but is cloudy or overcast in the north-east of Great Britain, with slight local drizzle in Scotland. At Holyhead passing showers are reported. Temperature has changed irregularly - fallen in the south of England. Slight frost prevails in various southern districts, and sharp frost at Birr Castle.

The Outlook

There are no definite indications of the approach of any further depressions, and it is probable that the rise of pressure will continue for a time, with generally fair weather.

Friday, 14<sup>th</sup>

MARCH, 1919, at 13h. (1p.m.) G.M.T.



Pressure has begun to decrease again in Ireland, with a Sly. to Sely. wind along the west coast.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 73. FRIDAY 14<sup>th</sup> MARCH.

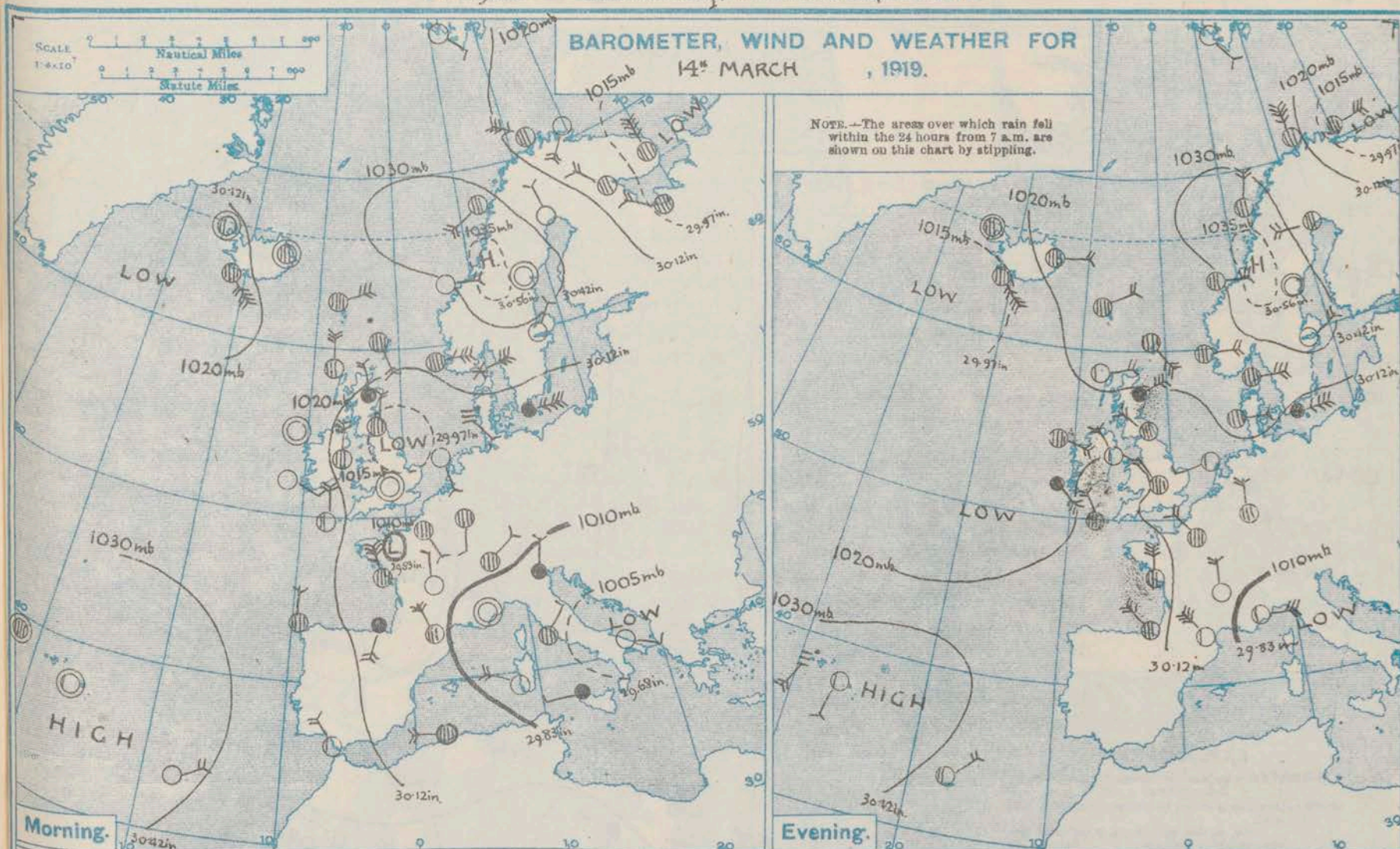
STATIONS.	EVENING OF 13 <sup>th</sup>					MORNING OF 14 <sup>th</sup>					24 HOURS ENDED 7 h. 14 <sup>th</sup>					Sun- shine for 13 <sup>th</sup>					
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 24 hours.	Temp. Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-2.	Rain- fall. Milli- metres.		TEMP.		WEATHER.		
			Dir.	Force 0-12.						Dir.	Force 0-12.						Max.	Min.	Morning.	Afternoon.	Night.
BRITISH ISLANDS.	Lerwick	1018.6	40	NNE	7	c	1022.8	+4	39	+1	SSE	4	-	o	4	-	41	36	c	c	o
	Houton B. (Orkney)	1018.3	37	NE	6	o	1021.9	+2	33	-1	ENE	3	*	d	?	*	38	31	cops	c	rh
	Stornoway	1020.0	38	ENE	4	bc	1022.3	+1	36	+1	N	5	-	c	2	1	43	34	b.bc	bc	bc.c
	Castlebay (Barra)	1018.4	41	N	3	b	1022.1	0	38	?	N	3	N	b	3	-	43	36	b	b	bc.b
	Glasgow	1014.9	39	N	1	bc	1019.8	+2	34	+2	N	1	N	b	*	-	43	31	c.b.csp	c.bc	bc.bx
	Eskdalemuir	1013.8	34	N	1	om	1018.2	+2	32	0	N	5	-	b	*	Trace	38	31	c.b.csp	hops.bc	c.bc.b
	Malin Head	1016.2	40	NNE	3	bcv	1020.7	+2	40	+5	NNE	4	N	cq	3	-	42	35	bv	bcv	bc
	Blackod Point	1016.6	39	ENE	2	bcmp	1023.0	0	34	-2	-	0	-	bzx	3	4	40	30	omts	cmp	bcz.bx
	Valencia (C-shire)	1015.8	45	N	4	bc	1023.9	+2	31	-16	ESE	1	-	bzx	3	4	49	31	op.c	c.b.bc	bc.bzx
	Roche's Point	1013.2	42	NNE	3	o	1023.4	+4	35	-7	NW	2	-	b	2	7	50	35	rc.ork	mpo	o.bx
	Birr Castle	1003.9	40	NE	1	c	1023.2	*	25	-11	SSW	1	-	b	*	4	40	25	ops	orc.op	c.bx
	Donaghadee	1014.3	41	NE	4	bcm	1019.6	+2	39	+2	NNW	4	N	bcq	4	-	43	35	bm	bm	bm
	Liverpool (Bidston)	1013.4	38	WNW	2	b	1018.3	+3	37	+2	NW	4	N	b	3	-	41	35	bc	b	bx
	Holyhead	1013.6	40	NE	3	bc	1019.5	+2	40	+4	N	5	N	cp	4	0.1	48	35	b.b.c	bc.c.c	b.bx
	Pembroke (St. Ann's)	1012.1	40	NE	3	or	1020.8	+4	38	0	NNE	3	N	c	2	5	41	35	cot	or	bc.c
	Scilly (St. Mary's)	1011.2	47	NW	6	bc	1022.3	+5	43	-2	N	4	N	bc	5	8	50	42	omr.op	op.c.bc	cp.bc
	Falmouth	1010.6	45	NW	2	bc	1020.7	+5	35	-4	N	2	-	bzm	*	9	45	35	orod	c.og.c	omdo
	Jersey (St. Aubin)	1007.8	47	WSW	4	c	1016.5	+4	43	+2	N	3	-	b	3	7	47	40	op.bor	orc	o.b
	Portland Bill	1010.0	43	E	2	op	1017.3	+4	36	-5	N	4	-	b	3	3	45	36	bc.o	or	bc.r
	Dungeness	1012.5	44	SW	3	c	1015.2	+3	40	+5	N	3	-	o	3	0.3	47	34	bc	c.bc	cp.co
NORTHERN EUROPE, ICELAND, &c.	Wick	1016.7	40	NNE	5	cm	1021.0	+3	38	0	NE	4	-	om	4	1	41	36	omp	omp.cm	c.ph.o
	Nairn	1016.5	37	NE	3	c	1020.4	*	37	+2	NE	2	-	cg	2	4	40	33	cqspg	gh.pc	qptps
	Aberdeen	1014.4	36	NNE	4	othpa	1018.6	+3	36	0	NNW	3	-	odm	4	5	40	34	othpa	ohpa	ohspd
	Leith	1014.1	37	NNE	4	c	1018.5	+1	37	0	NNW	4	NE	c	3	1	40	36	c.op.c	cq.op.c	c.cq.c
	Tynemouth	1009.9	37	NW	4	mp	1014.2	+3	36	+2	NNW	3	-	om	4	4	39	33	cq.ps	omp	omp
	Spurn Head	1010.8	40	NW	4	c	1013.7	+2	37	0	NNW	5	-	og	5	TRACE	40	35	cq	c.b.cq	bc.cq
	Yarmouth (Gorleston)	1011.8	42	W	2	omp	1014.7	+3	31	-3	WNW	2	-	bm	2	0.2	44	31	bcq	bcq.om	bm
	Clacton-on-Sea	1012.3	42	W	3	bc	1016.4	+3	33	-1	NW	3	-	bc	1	-	47	32	bm.bc	bc	bc
	Nottingham	1012.3	41	WNW	1	bm	1016.5	*	33	-1	WSW	2	W	om	*	-	44	32	b.bc	bc	bm
	Benson (Oxon.)	1011.6	43	NW	1	o	1017.4	+4	29	-4	-	0	-	bz	*	0.1	45	27	b.bc	bc.o	bx
Sth Farnborough	*	*	E	2	or	1017.5	+4	31	-1	WNW	2	-	bm	*	-	47	28	by.o	o	om.bx	
London (Kew Obs.)	1012.5	44	SW	1	om	1017.4	+4	32	-3	-	0	-	bm	*	-	47	32	bxb.by	by.o	om.bx	
FRANCE, &c.	Isafjord	1016.7	37	NE	1	c	1019.4	+1	41	+11	-	0	-	bc	*	*	*	*	*	*	*
	Reykjavik	1016.3	37	ESE	6	c	1018.7	-1	37	+1	ESE	6	-	bc	*	*	*	*	*	*	*
	Vestmanna	1018.4	37	E	10	c	1019.7	-2	38	+1	SE	10	-	o	5	*	*	*	*	*	*
	Seydisfjord	1025.9	36	SSW	4	c	1027.9	+1	36	+11	-	0	-	c	*	*	*	*	*	*	*
	Thorshavn	1026.7	36	ENE	5	o	1028.4	0	37	+5	ENE	5	-	o	*	*	*	*	*	*	*
	Spitsbergen	1012.8	28	NE	4	c	1016.7	+3	30	+3	SW	4	-	b	4	*	30	27	*	*	*
	Vardø	1019.4	25	NW	7	c	1017.5	*	25	-5	NW	8	-	c	4	5	30	19	*	*	*
	Gjesvær	1028.6	27	N	1	c	1030.3	0	32	+5	SW	4	-	c	2	-	32	23	*	*	*
	Bodø	1028.0	32	NE	3	b	1029.9	0	28	-8	E	3	-	b	3	-	36	27	*	*	*
	Christiansund	1014.3	39	E	7	o	1021.9	+4	37	0	E	7	-	o	4	-	39	32	*	*	*
	Skudesnaes	1020.8	36	NE	2	o	2028.0	+5	30	-4	ENE	4	-	o	2	-	36	30	*	*	*
	Færder (X-lauda Fjord)	1020.0	25	N	4	c	1028.3	+2	12	-2	NNW	2	-	b	0	-	27	9	*	*	*
IBERIA, &c.	Haparanda	1026.6	28	-	0	b	1034.1	+5	19	-2	-	0	-	b	0	-	37	12	*	*	*
	Hernösand	1023.1	32	ENE	2	o	1028.8	+3	27	-3	NE	2	W	b	0	-	36	25	*	*	*
	Stockholm	1019.7	34	E	2	c	1023.9	+3	34	-2	NE	4	-	b	3	-	37	30	*	*	*
	Wisby	1022.3	36	NE	2	o	1029.9	+3	27	-5	E	4	-	bc	*	-	37	21	*	*	*
	Karlstad	1010.4	39	S	3	o	1016.7	+5	34	-7	SE	2	-	m	*	TRACE	43	32	*	*	*
	Blauvands Huk	1015.4	37	ESE	3	o	1019.5	+4	34	-5	NE	4	-	s	*	3	39	34	*	*	*
	Copenhagen	1011.3	41	SW	4	c	1015.7	+4	30	-11	SSE	2	-	b	1	1	41	30	*	*	*
	Brussels	1016.8	41	SW	1	o	1017.9	+2	28	-13	S	1	-	o	*	-	?	P	*	*	*
	Coblentz	1013.5	41	SW	2	c	1015.8	+3	39	+2	E	3	-	o	1	TRACE	45	37	*	*	*
	La Hève	1012.2	41	S	5	p	1013.5	+3	41	0	NE	4	NE	o	2	6	46	39	*	*	*
	Cherbourg	1016.4	46	SW	5	c	1019.5	+8	45	-1	NNE	5	-	o	3	1	50	43	*	*	*
	Brest (St. Mathieu)	1010.7	46	SSW	2	o	1007.4	0	43	+7	N	9	-	o	?	1	48	36	*	*	*
Rennes	1014.6	48	SW	6	o	1013.3	+2	46	+1	NNW	7	-	o	*	10	52	45	*	*	*	
Rochefort (St. Alex)	1021.3	48	WSW	4	p	1016.8	+2	50	+4	SSW	4	-	p	5	21	54	45	*	*	*	
Biarritz	1013.5	45	S	2	b	1013.5	+3	41	+2	SE	2	-	o	*	2	52	39	*	*	*	
Paris	1017.3	45	WSW	3	c	1015.1	-1	34	-11	-	0	-	b	*	-	48	32	*	*	*	
Strasbourg	1013.2	41	SW	1	o	1013.2	+1	50	+11	ENE	2	-	b	*	-	50	28	*	*	*	
Besancon	1012.8	39	N	1	o	1012.8	*	36	+2	-	0	-	o	*	12	?	34	*	*	*	
Clermont	1017.2	*	W	1	o	1005.7	-2	50	+2	-	0	-	b	2	-	57	43	*	*	*	
Limoges	1006.0	0	43	-3	W	5	-	bc	4	-	55	37	*	*	*	*	*	*	*	*	
Nice	1011.5	-2	48	+3	NW	4	-	c	*	-	57	43	*	*	*	*	*	*	*	*	
Sicie	1027.0	52	WSW	3	p	1027.5	+3	52	+2	N	2	-	o	3	?	54	50	*	*	*	
Perpignan	1029.0	*	SSW	5	m	1032.0	*	54	?	ENE	3	-	b	4	-	64	54	*	*	*	
Corunna	1029.5	63	ENE	3	bc	1030.7	0	54	?	ENE	3	-	b	4	-	64	54	*	*	*	
Madrid																					
Lisbon																					
Azores (Horta)																					
„ (P. Delgada)																					
Madeira																					
Gibraltar																					



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,932.

Saturday, 15<sup>th</sup> March, 1919.



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

STATIONS.	EVENING OF 13 <sup>th</sup> FEB.					MORNING OF 14 <sup>th</sup> FEB.					AFTERNOON OF 14 <sup>th</sup> FEB.				
	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12	Weather.	Barom. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Change in 24 hours.	Wind Direc.	Force 0-12.	Weather.	Rain-fall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.
<b>RUSSIA.</b>															
Sviatonos ...						1007.5	+	?	?	NNE	7	?	?	*	*
Kandalatska ...														*	*
Archangel ...						1005.5	+4	21	+2	NW	4	?	-	*	*
Soroka ...														*	*
<b>MEDITERRANEAN.</b>															
Algiers ...	1021.2	54	NW	2	b	1016.3	+2	54	0	W	4	-	0	59	48
Malta ...	*	*	*	*	*										
Salonica ...															
Athens ...															
Candia ...															
Limaesol ...	*	*	*	*	*	1015.1	0	61	+2	SE	2	b	-	73	59
Alexandria ...	1012.6	75	ESE	2	c	1016.0	+3	66	+5	NNE	3	b	-	88	59
Cairo (Helwan) ...	1012.2	81	NE	2	b	1014.6	+3	61	-3	NW	2	b	-	95	61
<b>ITALY.</b>															
Venice ...	1009.4	50	-	0	0	1006.8	*	48	+12	NNE	2	r	4	55	43
Turin ...						1006.7	*	48	+12	-	0	c	-	59	36
Leghorn ...	1009.0	54	W	2	0	1005.8	*	54	+4	NE	1	0	-	59	45
Rome ...	1005.3	48	-	0	r	1004.4	*	48	+4	-	0	0	5	61	44
Viesti ...	1007.3	54	SE	1	bc	1000.9	*	54	0	S	1	bc	11	61	?
Brindisi ...	1008.5	54	SE	1	0	1003.3	*	52	-2	SE	1	b	-	54	46
Cagliari ...	1002.0	57	W	6	0	1008.2	*	48	0	NW	4	b	6	63	45
Palermo ...	1009.0	52	S	3	c	1008.3	*	50	-5	W	1	r	9	59	45
Tripoli ...															

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

15 <sup>th</sup> March 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	6.11	12.2	5.54
Greenwich ...	...	6.8	12.2	5.56
Wick ...	...	6.14	12.9	6.4
Valencia ...	...	6.32	12.21	6.11
		6.29	12.21	6.14
		6.58	12.50	6.43
		6.55	12.50	6.45

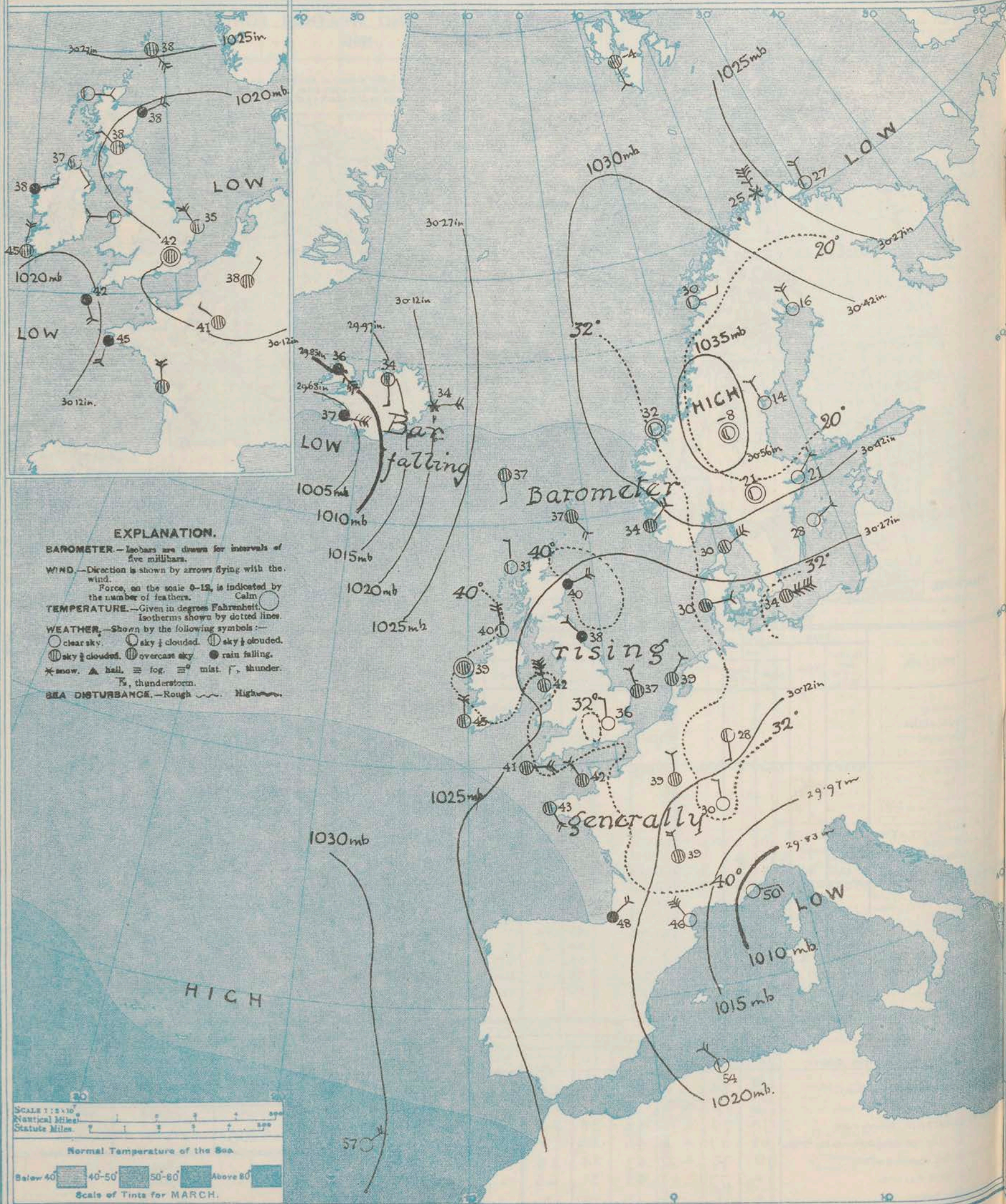
LONDON		Humidity.		Sun-shine for		TEMPERATURE.			Rain-fall.		WEATHER.		
15 <sup>th</sup> March 1919. G.M.T.		13 h.	9 h.	14 h.	15 h.	Max.	Min.	Min. on Grass.	mm.		Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)	...	73	73	5.6		47	36	29	-		b, bc	bc, 0	b, bc, z
CITY (Bunhill Row)	...	*	*	4.0		*	*	*	*		*	*	*
WESTMINSTER (St. James's Park)	...	73	75	2.8		46	38	32	-		*	*	*
(Roof of Admiralty Arch)	...	68	67	4.4		46	39	*	-		bm	bc, og	c, op, em
CAMDEN SQ. (British Rainfall)	...	70	70	4.2		47	34	29	-		b	bc, c	*
RENSINGTON PALACE	...	*	77	*		45	36	25	-		bc	0	*
RICHMOND PARK	...	*	*	*		*	*	*	*		*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 14 <sup>th</sup> Feb.		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
823	19.6	54



15<sup>th</sup> MAR, at 1h. G.M.T.

THE MORNING OF Saturday, 15<sup>th</sup> MARCH, 1919 at 7h. G.M.T.





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

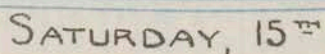
Temperature remained below 45° in most parts of the United Kingdom, but touched 49° on the extreme south-west coast of England. Slight frost occurred at night over a large area. Rain fell in Ireland, the south-west of England and on the north-east coast of Great Britain, the largest amount being 10 mm. at Valencia. Much bright sunshine was recorded generally except along the east coast north of the Wash and at Nottingham.

### The Conditions at 7h. Today

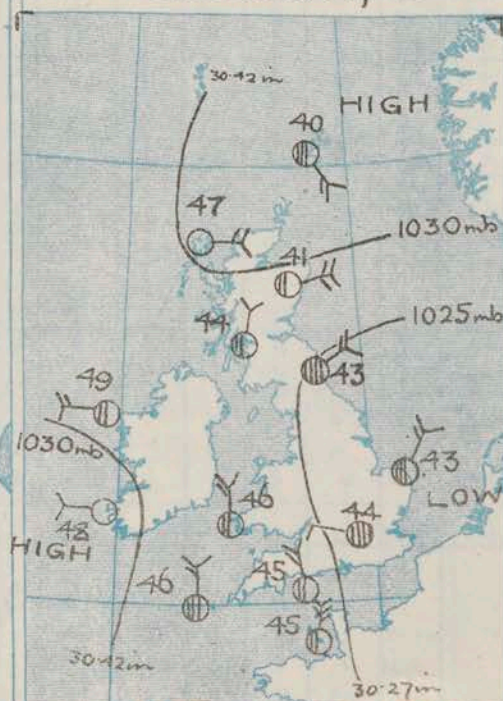
Pressure is highest in an anticyclone centred over Scandinavia, at Madeira and also to the west of the British Isles. The barometer is still relatively low over the North Sea and France, and is lowest off the south-west of Iceland. Wind has little force in these Islands and their neighbourhood and is mainly between NW. and NE. The sky is cloudy or overcast in most parts of the United Kingdom with mist locally, fog at Spurn Head, and slight rain or showers on the north-east coast. In the south and south-east of England, however, several stations report a nearly cloudless sky. Temperature is a little below 32° in the South Midlands and not much above it over a much wider area.

## The Outlook

It seems somewhat probable that the anticyclone over Scandinavia will extend south-westward towards the British Isles, at the same time that the Atlantic high pressure moves eastward. Fair, dry and rather cold weather with little wind is consequently to be expected.



MARCH, 1919, at 13h. (1 p.m.) G.M.T.



The barometer continues to rise over the British Isles and the general conditions appear much more stable than of late..



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 74.

SATURDAY  
15th MARCH

STATIONS.	EVENING OF...14th...					MORNING OF...15th...										24 HOURS ENDED 7 h...15th...							Sun- shine for 14h
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 8 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 ...	1024.6	38	SE	5	1028.9	+4	37	-2	SE	3	-	om	2	1	40	35	op	o	omp	*		
	Houton B. (Orkney) ...	1022.2	36	ESE	5	1028.1	+5	34	+1	ENE	3	*	bc	3	*	40	33	b, bc, c	bc	bc, c	*		
	Stornoway ...	1020.2	40	E	3	1026.6	+5	31	-5	N	1	-	b	1	-	45	30	bc	b	b	9.5		
	Castlebay (Barra Fd.) ...	1019.5	42	E	2	1025.8	+5	39	+1	N	3	-	c	-	-	44	36	bc	bc, b	bc, c	7.5		
	Glasgow ...	1018.8	41	N	1	1024.0	+5	35	+1	W	1	N	c	*	-	43	32	b, bc, c	o	o, c, bc	3.4		
	Eskdalemuir ...	1018.5	38	-	0	1023.1	+4	32	0	NW	3	-	bc, m	*	-	42	31	b, bc, c	c, cu	cu, bc, m	6.3		
	Malin Head ...	1019.4	40	NNE	2	1025.6	+5	40	0	NNW	3	-	bc, m	2	-	44	37	bc, m	bc, m	c	7.8		
	Blackrod Point ...	1016.8	40	ESE	4	1027.3	+7	39	+5	-	0	-	omp	3	3	45	34	bc	og	omp	*		
	Valencia (Cahirciveen) ...	1017.2	43	SE	5	1027.8	+8	45	+14	N	4	-	c	5	10	48	31	b, bc, c	c, or	or, bc, c	3.8		
	Roche's Point ...	1019.9	43	SSW	3	1026.5	+6	40	+5	NNE	1	-	o	2	8	46	36	b, bc	c, o	or, o	*		
	Birr Castle ...	1018.5	41	S	1	1027.0	*	35	+10	NW	1	-	c	*	1	47	25	bc	bc, c	or, c	6.1		
	Donaghadee ...	1019.0	41	-	0	1024.2	+4	37	-2	W	3	-	bc, m	2	-	45	33	bc, m	bc, m	bc, m	*		
	Liverpool (Bidston) ...	1019.8	39	WNW	3	1023.7	+3	37	0	W	2	-	o	2	-	42	35	b	b	bc, o	8.5		
	Holyhead ...	1020.1	42	NW	3	1024.2	+5	42	+2	NNW	5	N	c	3	Trace	47	32	bc, c	c, bc, b	bc, b, c	8.0		
	Pembroke (St. Ann's) ...	1022.1	40	W	1	1025.1	+4	36	-2	NNW	1	-	c	1	-	45	36	bc	b	bc, o	9.6		
	Scilly (St. Mary's) ...	1023.1	48	WNW	2	1023.8	+4	41	-2	E	4	SE	o	4	6	49	40	bc	bc, c	c, o, p	7.7		
	Falmouth ...	1022.1	41	NW	2	1024.1	+5	38	+3	NE	3	-	om	*	1	49	35	bc, b	bc, b, y	bc, o	8.6		
	Jersey (St. Aubin) ...	1021.4	43	NW	3	1021.4	0	42	-1	NNW	2	-	o	1	-	45	37	b	b	c, o	10.2		
	Portland Bill ...	1019.7	45	NNW	3	1021.9	+2	36	0	NNE	2	NE	bc	2	-	46	42	bc	bc	bc	*		
	Dungeness ...	1019.1	42	ENE	2	1021.2	+2	39	-1	NNE	2	-	c	1	-	47	34	o, c	c, bc	bc, o, c	*		
NORTHERN EUROPE, ICELAND, &c.	Wick ...	1021.0	40	ESE	3	1026.6	+5	40	+2	ESE	3	-	bc, m	4	2	41	37	omp	omp	c, op, bc	*		
	Nairn ...	1019.6	40	NE	1	1025.6	*	38	+1	NE	1	-	og	1	1	41	36	cp, g	g, cd	og, g	2.1		
	Aberdeen ...	1018.7	40	ENE	5	1024.5	+6	40	+4	ENE	4	-	od, m	4	4	42	36	od, m	op, m	op, m	0.3		
	Leith ...	1017.8	40	N	2	1022.8	+2	38	+1	NW	2	-	o	3	-	42	36	c, o, up	o	op, up	*		
	Tynemouth ...	1015.4	39	NW	3	1021.1	+5	38	+2	NW	2	-	p	4	1	41	36	g, mp	em	op	*		
	Spurn Head ...	1017.9	41	WNW	2	1021.1	+1	38	+1	W	2	-	o, f, x	4	-	42	35	o	o, bc	em, o, f, x	0.6		
	Yarmouth (Gorleston) ...	1018.3	40	NW	2	1020.6	+2	37	+6	NNW	2	-	om	2	-	42	31	bm, x, o	om	em, om	4.4		
	Clacton-on-Sea ...	1019.5	41	W	1	1023.0	+2	33	0	NW	2	-	og, m	1	-	43	32	bc, m	bc, o, g, m	c, o, g, m	5.7		
	Nottingham ...	1019.2	42	WNW	2	1022.7	*	34	+1	W	1	W	o	*	-	44	32	o, em	c, o, m	em, c	0.5		
	Benson (Oxon.) ...	1018.0	44	NW	2	1022.8	+5	30	+1	-	0	-	em	*	0.1	45	28	b, bc	bc, c	c, b	*		
	Sth Farnborough ...	*	*	W	2	1022.9	+4	30	-1	WNW	2	-	bm, x	*	-	47	29	bm, bc	bc, o	o, bm, x	7.0		
	London (Kew Obsv.) ...	1020.1	43	NW	1	1022.7	+4	36	+4	N	1	-	bm	*	-	45	32	bm, bc	bm, bc, o	om, bm	5.0		
FRANCE, &c.	Isafjord ...	1017.6	40	-	0	1010.6	-4	36	-5	SE	7	-	T	*	*	*	*	THE BEAUFORT SCALE OF WIND FORCE.					
	Reykjavik ...	1013.6	39	ESE	7	1003.5	-8	37	0	ESE	7	-	T	*	*	*	*	Limits of Velocity.					
	Vestmanna ...	1014.0	38	SE	9	1003.5	-8	37	0	ESE	7	-	T	*	*	*	*	No.	Statute miles per hour.	Metres per second.			
	Seydisfjord ...	1024.7	35	E	3	1022.1	-1	34	-2	E	4	-	S	*	*	*	*	0	Less than 1	Less than 0.3			
	Thorshavn ...	1024.2	39	ENE	3	1026.9	+3	37	0	S	1	-	o	*	*	*	*	1	1-8	0.3-1.5			
	Spitsbergen ...	1027.7	15	SE	1	1029.8	0	-4	-	S	2	*	o	*	*	-4	-24	2	4-7	1.0-5.3			
	Vardö ...	1013.6	32	E	5	1020.2	+3	27	-3	N	3	-	b	3	*	32	27	3	8-12	3.4-6.4			
	Gjesvaer ...	1021.1	21	N	8	1028.7	*	25	0	N	8	-	S	4	6	25	18	4	13-18	5.6-7.9			
	Bodö ...	1031.0	34	N	4	1033.0	+1	30	-2	E	1	-	b	1	-	36	27	5	19-24	8.0-10.7			
	Christiansund ...	1029.1	34	E	3	1030.9	0	32	+4	-	0	-	b	3	-	36	28	6	25-31	10.8-13.8			
	Skudesnaes ...	1026.9	36	E	4	1029.3	+4	34	-3	NE	3	-	o	2	-	36	32	7	32-38	13.9-17.1			
	Færder (Xania Fjord) ...	1031.1	32	NE	5	1032.3	+2	27	-3	NE	5	-	o	2	-	32	27	8	39-46	17.2-20.7			
Haparanda ...	1023.1	23	W	4	1032.0	+4	16	+4	NNW	4	-	b	0	-	25	5	9	47-54	20.8-24.4				
Hernösand ...	1032.7	23	-	0	1034.6	+1	14	-5	N	2	-	b	0	-	32	10	10	55-63	24.5-28.1				
Stockholm ...	1032.0	27	NE	2	1033.5	+2	21	-6	NE	2	-	b	0	-	32	18	11	64-75	28.5-33.5				
Wisby ...	1026.6	30	NE	4	1030.1	+1	28	-6	ENE	2	E	b	2	-	36	27	12	Above 75	33.6 or above				
Karlstad ...	1032.0	30	ENE	2	1033.6	+1	21	-6	-	0	-	b	*	-	36	14	BEAUFORT NOTATION.						
IBERIA, &c.	The Scaw (Skagen) ...	1026.0	34	E	5	1026.7	0	30	-2	ENE	5	-	c	5	?	34	30	b	blue sky (not more than a quarter covered).				
	Blaavands Huk ...	1023.9	36	E	2	1024.4	+3	30	-4	E	2	-	o	*	Trace	46	28	bc	sky partly cloudy (one half covered).				
	Copenhagen ...	1022.1	34	ENE	4	1022.4	+1	34	0	E	7	-	o	*	6	34	32	c	generally cloudy (three quarters covered).				
	Bornholm ...	1018.3	34	E	10	1021.0	+2	34	0	E	10	-	o	3	2	36	32	d	drizzle, or fine rain.				
	The Helder ...	1019.3	41	WSW	1	1021.3	+3	39	+9	NE	2	-	o	0	1	46	30	e	wet air without rain falling.				
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	f	fog.				
	Coblentz ...	1017.9	41	-	0	1021.5	0	28	0	S	1	-	bc	*	-	?	?	g	gloom.				
	C. Gris Nez ...	1020.0	?	NE	2	1021.6	+1	41	+2	N	1	-	m	0	1	45	37	h	hail.				
	La Hève ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	i	lightning.			
	Cherbourg ...	1021.7	+2	41	-2	SSE	1	-	bc	1	-	45	39	*	*	*	*	m	mist.				
	Brest (St. Mathieu) ...	1023.5	46	NW	3	1020.6	+2	43	-2	SE	4	-	c	3	4	50	41	o	overcast sky.				
	Rennes ...	1021.6	43	N	3	1021.7	+1	37	-6	-	0	-	o	-	-	48	36	p	passing showers.				
Rochefort (Ile d'Aix) ...	1020.4	49	N	6	*	*	*	*	*	*	*	*	*	*	*	*	*	q	squalls.				
Biarritz ...	1021.2	50	NW	5	1020.8	-1	48	-2	NE	3	-	T	5	3	54	45	r	rain.					
Paris ...	1018.0	45	NW	3	1020.7	+2	39	-2	N	2	-	o	*	Trace	54	39	rs	sleet, i.e., rain and snow together.					
Strasbourg ...	1015.5	45	NE	1	1018.6	+2	36	+2	NW	1	-	o	*	-	48	32	s	snow.					
Besancon ...	1019.3	?	?	?	?	?	30	-20	N	1	NE	b	*	-	50?	28	t						

## THE BEAUFORT SCALE OF WIND FORCE.

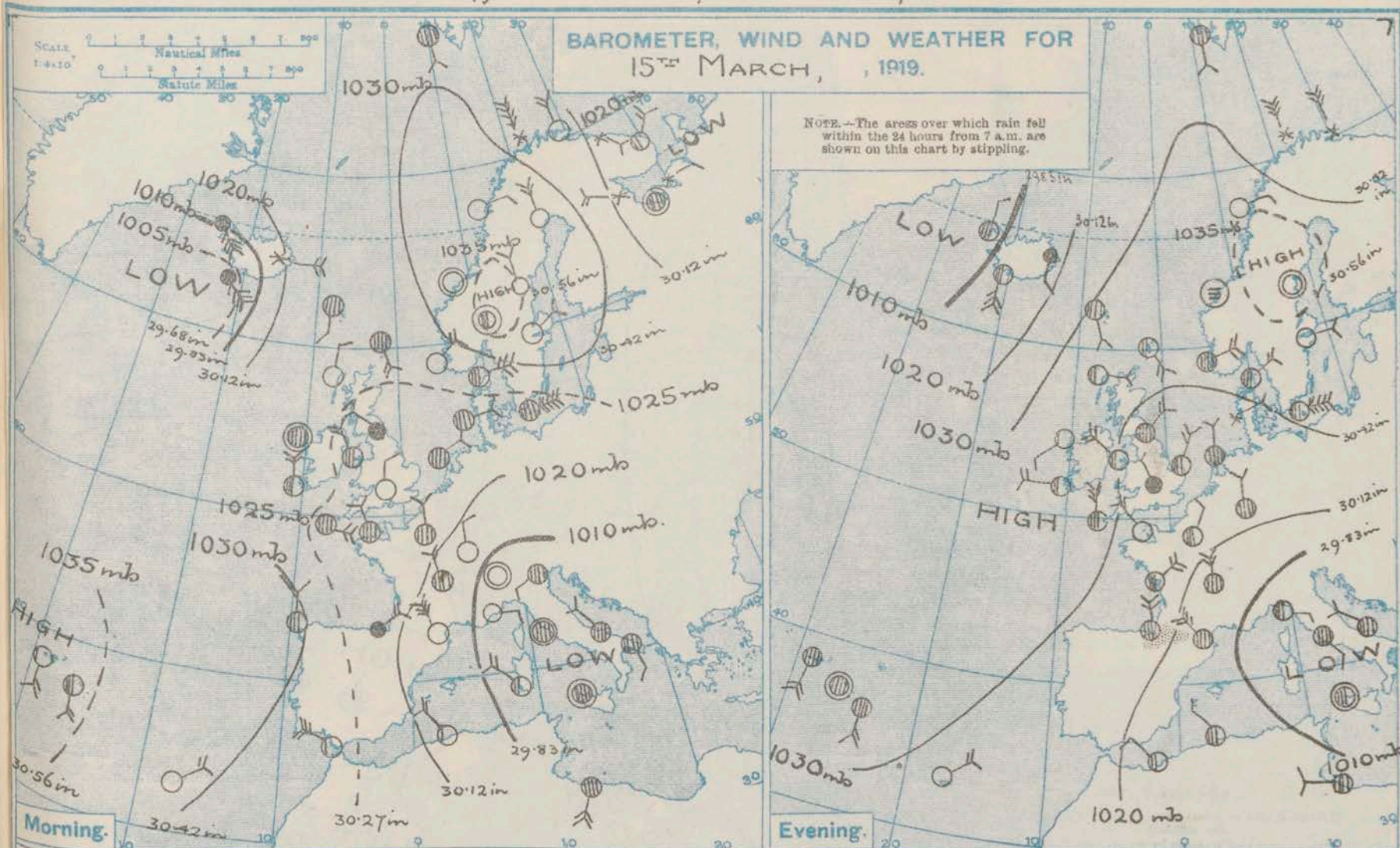
No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5
12	Above 75	33.6 or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



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,935. SUNDAY, 16<sup>TH</sup> MARCH, 1919.

## BAROMETER, WIND AND WEATHER FOR 15<sup>TH</sup> MARCH, 1919.



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

STATIONS.	EVENING OF 14 <sup>TH</sup>				MORNING OF 15 <sup>TH</sup>				AFTERNOON OF 15 <sup>TH</sup>			
	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12.	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12.	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12.
RUSSIA.												
Sviatonos					1017.9	48	?	0	?	?	?	?
Kandalatska												
Archangel					1014.9	9	-12	W	1	?	?	?
Soroka					1018.9	16	?	NW	3	?	?	?
MEDITERRANEAN.												
Algiers	1015.5	54	NW	4	1019.3	+3	54	0	NW	6	0	Trace
Malta	*	*	*	*	1016.2	+1	57	?	ESE	2	bc	-
Salonica												
Athens												
Candia												
Limassol	*	*	*	*	1015.1	0	61	0	-	0	b	-
Alexandria	1017.4	61	N	3	1016.3	+1	63	-3	ENE	2	bc	-
Cairo (Helwan)	1016.4	68	N	3	1015.0	+1	61	0	NE	2	b	-
ITALY.												
Venice	1007.5	50	-	0	1008.5	*	50	+2	-	0	0	Trace
Turin	1007.9	54	E	2	1009.4	*	41	-7	-	0	b	-
Leghorn	1006.7	52	-	0	1007.9	*	50	-4	ENE	1	0	0
Rome	1005.3	52	-	0	1006.6	*	49	0	-	0	0	1
Viesti	1004.9	50	SE	1	1007.7	*	48	-6	NW	2	0	-
Brindisi	1005.8	50	SW	2	1005.8	*	52	0	SE	1	0	-
Cagliari	1004.3	57	W	4	1008.2	*	48	0	NW	3	bc	-
Palermo	1008.6	52	SSW	4	1007.7	*	50	0	-	0	0	-
Tripoli	1015.7	59	WSW	2	1013.3	*	55	?	SSW	4	0	Trace

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

March 16 <sup>TH</sup> & 17 <sup>TH</sup> 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	6.3	12.2	5.56
Greenwich	...	6.5	12.2	5.58
Wick	...	6.14	12.9	6.4
Valencia	...	6.12	12.9	6.6
		6.29	12.21	6.14
		6.26	12.21	6.16
		6.53	12.50	6.45
		6.53	12.50	6.46

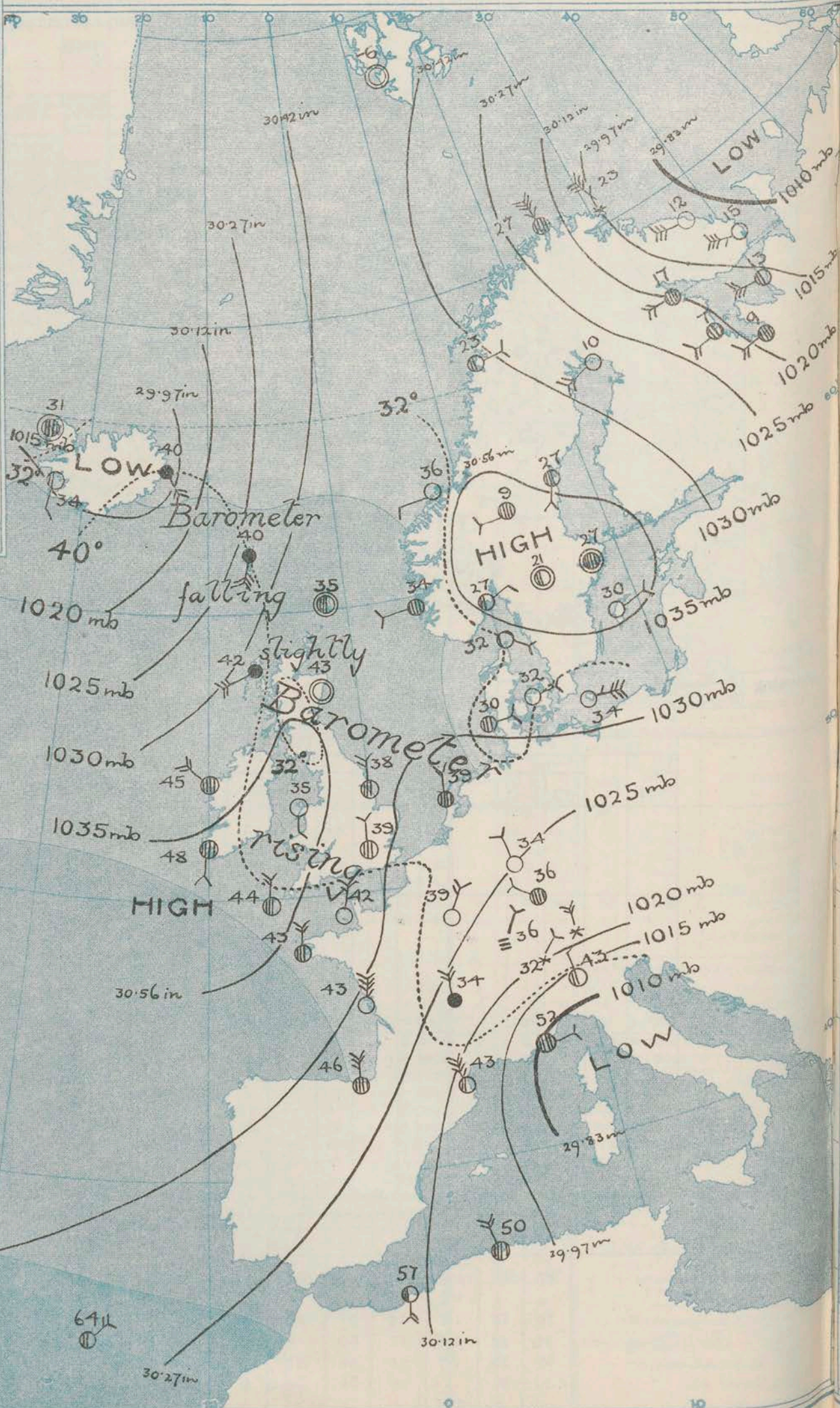
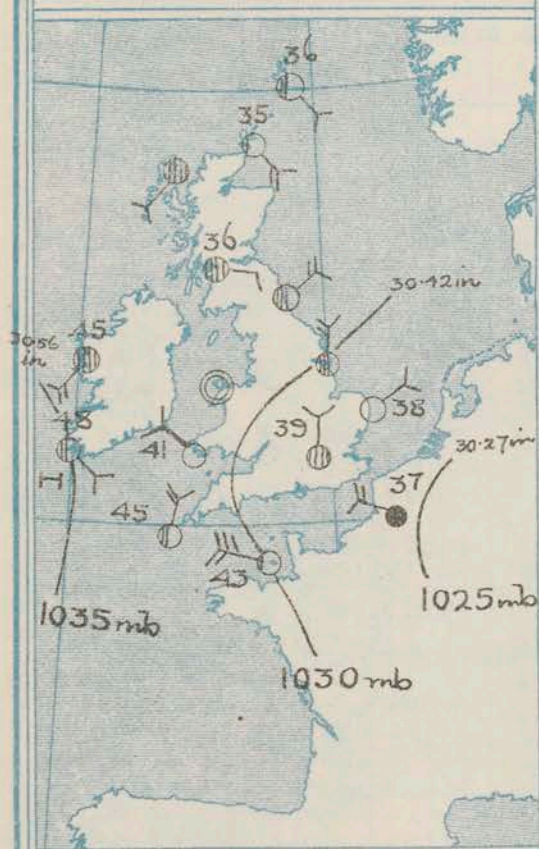
LONDON		Humidity.		Sunshine for		24 Hours ended 9 h. 16 <sup>TH</sup>		TEMPERATURE.		Rain-fall.		WEATHER.	
March 16 <sup>TH</sup> 9h. G.M.T.		15 <sup>TH</sup>	16 <sup>TH</sup>	15 <sup>TH</sup>	16 <sup>TH</sup>	Max.	Min.	Max.	Min.	mm.	Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)	...	67	85	1.0	4.6	37	24	...	...	...	bo	ogp	c
CITY (Bunhill Row)	...	*	*	1.2	*	*	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	...	70	83	1.8	47	37	34	5	5	5	bcn	cm.o	-
(Roof near Charing Cross)	...	65	82	2.3	47	39	*	5	5	5	bc.c	c	*
CAMDEN SQ. (British Rainfall)	...	65	83	1.7	47	36	33	4	4	4	bc.c	c	*
KENSINGTON PALACE	...	*	81	*	41	36	32	5	5	5	o	o	*
RICHMOND PARK	...	*	*	4.7	*	*	*	*	*	*	*	*	*

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.
665	15.7	48



16<sup>TH</sup> MAR, at 1h. G.M.T.

THE MORNING OF SUNDAY, 16<sup>TH</sup> MARCH, 1919 at 7h. G.M.T.



**EXPLANATION.**

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

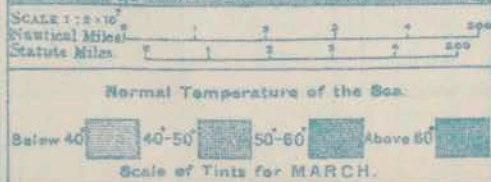
**WIND.**—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm.

**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 wavy. High wavy.







## 1

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a barometer was still rising

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# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No.75..

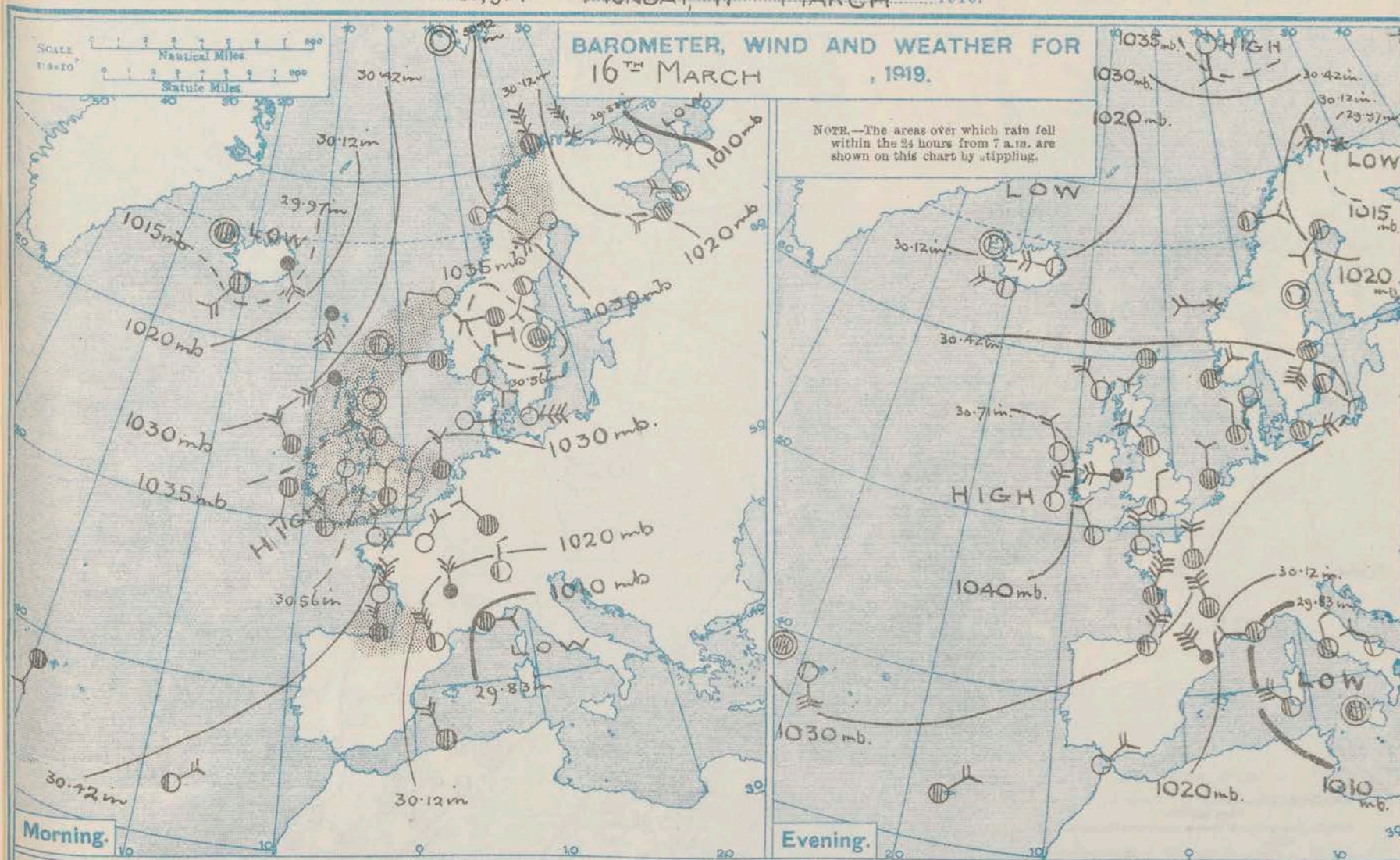
Sunday  
March 16<sup>th</sup>

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.	Barometer. Milli- bars at M.S.L.	Change in 24 hours.	Temp. Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-3.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1033.1	38	SE	3	bc	1033.5	-1	35	-2	-	0	-	c	1	-	41	34	c	bc	c	*
	Houton B. (Orkney)	1033.5	36	SE	1	bc	1032.9	0	34	0	SSE	3	*	bc	2	*	42	31		bc		*
	Stornoway	1031.5	43	E	2	bc	1030.4	0	42	+11	SW	5	-	op	4	1	47	30	b	b	b.op	7.0
	Castlebay (Barra)	1031.8	45	S	2	b													cx.bc	c.b		
	Glasgow	1032.0	41	NNE	1	o	1035.1	0	32	-3	ESE	1	-	c	*	-	45	31	c.bc	c.op	a.cm	2.7
	Esksdalemuir	1031.4	37	NNE	2	c	1036.1	+2	28	-4	NNW	1	-	oc	*	-	43	23	bcm	c.op.o.c	o.bc.o	5.8
	Malin Head	1031.5	41	N	1	b	1031.2	0	43	+3	SW	2	-	omr	2	0.1	45	37	bcv	b	cm	6.5
	Blackrock Point	1031.7	47	SW	1	bc	1034.5	+4	45	+6	NNW	4	-	omg	5	2	49	38	bcz	bcz	bm.op	*
	Valencia (Cahiceven)	1031.3	49	WNW	3	bc	1036.5	+2	48	+3	S	2	-	om	4	-	50	43	c.bc	b.bc	bc.ca.o	8.1
	Roche's Point	1032.5	48	NNW	4	c	1036.1	+2	43	+3	N	1	-	o	1	0.2	50	39	a.c	cbc.c	b.cm	*
	Birr Castle	1031.9	47	NW	1	r	1034.9	*	41	+6	S	1	S	c	*	1	49	35	c	od.or	c	2.1
	Donaghadee	1030.6	44	N	4	bcz	1034.0	0	38	+1	SW	1	-	ogm	0	-	46	34	bcm	bm	bm.bm	*
	Liverpool (Bidston)	1028.5	41	NW	4	bc	1035.7	+2	33	-4	NNE	1	-	b	1	-	45	33	a.bc	a.bc	bcx	2.9
	Holyhead	1030.5	44	NW	4	bc	1035.3	+3	35	-7	S	1	-	bx	0	-	47	33	c.bc.b	b.bc	b.bx	9.0
	Pembroke (St. Ann's)	1031.4	42	N	2	c	1036.0	+4	36	+2	N	2	-	bx	2	-	47	35	bc	bc	b.bx	8.0
	Scilly (St. Mary's)	1031.8	45	N	5	c	1036.5	+2	44	+3	N	3	N	c	4	0.4	49	41	a.op	c.p.c	bc.c	4.7
	Falmouth	1031.2	43	NNW	4	bm	1035.5	?	38	0	NNW	1	-	bm	*	-	48	38	om.bc.c	cy.by	bc.b	6.9
	Jersey (St. Aubin)	1027.5	44	NNW	3	b	1031.9	+2	42	0	NNE	3	N	b	3	-	49	41	a.bc.b	b.bc.b	b	6.3
	Portland Bill	1026.7	44	NNW	3	bc	1032.4	+3	38	+2	NNE	4	-	b	4	-	46	36	bc	bc.c	b	*
	Dungeness	1024.0	42	N	3	c	1029.8	+3	36	-3	N	3	N	c	3	-	47	33	c.o.c	c.o.c	c.bx.c	*
NORTHERN EUROPE, ICELAND, &c.	Wick	1032.7	39	ESE	2	bc	1031.8	-1	38	-2	SSE	3	-	b	3	-	42	36	bcm	bc	bc.b	*
	Nairn	1032.0	39	-	0	c	1032.2	*	27	-11	-	0	-	bcm	1	-	43	26	og.c	c.bc.c	g.bcm	2.7
	Aberdeen	1032.5	37	ENE	3	b	1034.2	+1	30	-10	-	0	-	bx	3	1	44	29	om.op	bch.p.b	bc.cpb	1.1
	Leith	1031.6	40	NW	1	r	1034.3	0	34	-4	NW	1	NW	c	2	1	43	32	od.o	a.c.od	dc.ozc	*
	Tynemouth	1027.8	40	NE	3	om	1034.0	+2	34	-4	NW	2	-	bcm	4	1	43	33	om	om	cm	*
	Spurn Head	1025.6	41	N	2	bcm	1032.4	+2	38	0	N	3	-	cpr	3	0.4	42	36	c	c.ccm	cp	0.0
	Yarmouth (Gorleston)	1023.5	42	NE	3	c	1029.2	+3	37	0	NNE	4	-	bcpr	3	-	44	35	ombcm	cm	bcmp	0.0
	Clacton-on-Sea	1024.8	39	ENE	3	c	1030.9	+3	37	+4	NW	3	N	cm	1	1	48	33	ogbm	bm.cgp	cgm	1.5
	Nottingham	1025.8	42	N	2	og	1034.0	*	35	+1	NNW	2	N	bc	*	0.4	45	33	opm	cop	opc	0.0
	Benson (Oxon.)	1026.0	41	NNE	1	o	1033.3	+4	37	+7	NNW	3	-	c	*	2	46	30	bc	op	o	*
	St. Farnborough	*	*	NNE	3	orm	1032.5	+4	38	+8	NNE	2	-	o	*	1	47	30		ogorm	oro	3.6
	London (Kew Obsy.)	1026.2	39	NW	1	or	1032.4	+4	39	+3	N	2	-	c	*	3	46	36	bm.bc.c	c.o.op	or.omo	4.2
	Isafjord	1007.9	39	N	1	c	1014.0	+2	31	-5	-	0	-	o	*	*	*	*				
	Reykjavik	1008.4	39	S	5	bc	1015.4	+5	34	-3	SSW	1	-	bc	*	*	*	*				
	Vestmanna	1009.9	36	S	5	o	1014.9	+5	38	?	SW	3	-	bc	*	*	*	*				
	Seydisfjord	1017.5	41	S	1	r	1013.2	-3	40	+6	SE	4	-	r	*	*	*	*				
	Thorshavn	1030.0	41	SSE	2	o	1026.3	-3	40	+3	SSW	5	-	r	*	*	*	*				
	Spitsbergen	1027.1	-4	S	2	o	1033.5	+4	-6	-2	-	0	*	b	*	*	-4	-11				
	Vardö	1024.4	25	N	5	s	1014.9	-1	23	-4	NNW	7	-	s	6	*	28	23				
	Gjesvær	1027.5	27	N	6	s	1020.6	*	27	+2	N	8	N	o	4	5	27	23				
Bodö	1035.5	28	E	1	b	1030.6	-3	23	-7	E	2	-	bc	2	-	34	19					
Christiansund	1033.1	36	-	0	m	1033.2	0	36	+4	W	1	-	b	3	-	39	25					
Skudesnaes	1031.8	36	ENE	4	o	1034.4	0	34	0	W	2	-	o	1	-	37	32					
Færder (Xlantafjord)	1034.9	34	NNE	2	o	1036.0	0	27	0	ENE	1	-	bc	1	-	34	25					
FRANCE, &c.	Haparanda	1035.3	16	NNW	2	b	1027.7	-6	10	-6	WSW	4	-	b	0	-	25	1				
	Hernösand	1037.1	23	-	0	b	1032.2	-5	27	+13	SSW	2	-	c	0	-	32	12				
	Stockholm	1035.3	30	E	2	b	1037.0	0	27	+6	-	0	-	o	0	-	34	21				
	Wisby	1032.0	30	ENE	2	b	1035.8	-2	30	+2	ENE	2	-	b	1	-	36	27				



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,934 MONDAY, 17<sup>TH</sup> MARCH 1919.



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

STATIONS.		EVENING OF 15 <sup>TH</sup>					MORNING OF 16 <sup>TH</sup>										AFTERNOON 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.		Direc.	Force 0-12.			Max.	Min.	Dry Bulb.	Change in 24 hours.		Direc.
		° F.							° F.	° F.					° F.	° F.		° F.	° F.				
RUSSIA.																							
Sviatonos ...							1010.6	*	5	?	NW	6	?	?	*	*							
Kandalatska ...															*	*							
Archangel ...							1018.3	?	18	?	NW	3	?	?	*	*							
Soroka ...							1024.2	+4	10	?	W	5	?	?	*	*							
MEDITERRANEAN.																							
Algiers ...		1017.3	54	NW	1	c	1018.0	+1	50	-4	NNW	4	0	3	57	46							
Malta ...		*	*	*	*	*																	
Salonica ...																							
Athens ...																							
Candia ...																							
Limassol ...		*	*	*	*	*	1009.0	-1	68	+7	-	0	b	-	70	48							
Alexandria ...																							
Cairo (Helwan) ...		1009.1	75	NE	4	b	1008.2	-1	72	+11	SE	1	b	-	91	61							
ITALY.																							
Venice ...		1009.3	52	NNE	1	r																	
Turin ...																							
Leghorn ...		1006.9	54	S	1	bc																	
Rome ...		1007.9	52	ESE	1	o																	
Viesti ...		1006.3	52	NW	2	o																	
Brindisi ...																							
Cagliari ...																							
Cagliari ...																							
Palermo ...		1007.9	52	-	0	c																	
Tripoli ...		1015.9	57	WNW	2	o	1017.0	*	55	0	W	3	bc	5	?	46							
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																							
March 17 <sup>TH</sup> & 18 <sup>TH</sup> 1919.																		Sunrise.	Noon.	Sunset.			
																		G.M.T.	G.M.T.	G.M.T.			
Yarmouth ...																		6.5	12.2	5.58			
Greenwich ...																		6.2	12.1	6.0			
Wick ...																		6.9	12.8	6.7			
Valencia ...																		6.26	12.21	6.16			
																		6.23	12.20	6.13			
																		6.53	12.50	6.46			
																		6.50	12.48	6.43			

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

March 17 <sup>TH</sup> & 18 <sup>TH</sup> 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...		6.5	12.2	5.58
Greenwich ...		6.2	12.1	6.0
Wick ...		6.9	12.8	6.7
Valencia ...		6.26	12.21	6.16
		6.23	12.20	6.18
		6.53	12.50	6.46
		6.50	12.49	6.48

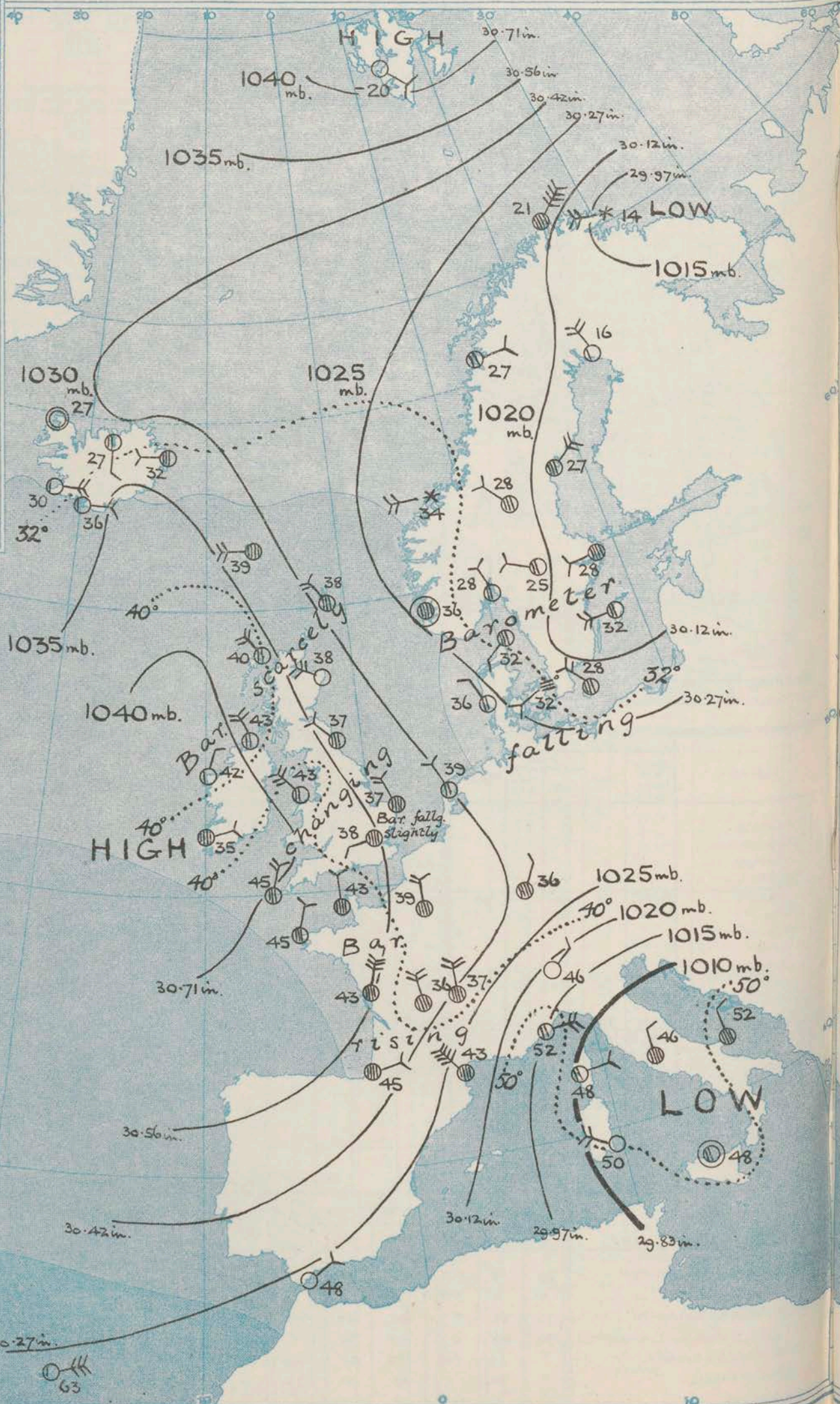
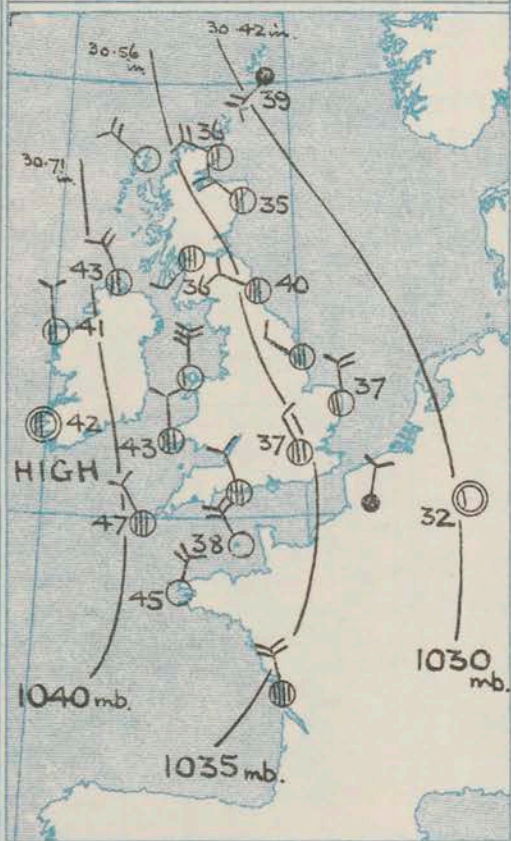
LONDON		HUMIDITY.		Sun- shine for 16 <sup>TH</sup>	24 HOURS ENDED 6 h. 17 <sup>TH</sup> .....			WEATHER.		
		15 h.	9 h.		TEMPERATURE.		Rain- fall.	Morning.	Afternoon.	Night.
March 17 <sup>TH</sup> 9h. G.M.T.		16 <sup>TH</sup>	17 <sup>TH</sup>	16 <sup>TH</sup>	Max.	Min.	Mfn. on Grass.			
		%	%	Hours.	° F.	° F.	° F.	mm.		
GREENWICH (Royal Observatory)	.. ..	74	89	1.0	42	34	24	-	c	o
CITY (Bunhill Row)	.. ..	*	*	0.7	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	.. ..	77	89	1.0	43	35	30	-	*	*
" (Roof near Charing Cross)	.. ..	70	76	0.7	47	39	*	-	cm	cm
CAMDEN SQ. (British Rainfall)	.. ..	?	86	1.4	43	41	29	-	?	?
KENSINGTON PALACE	.. ..	*	86	*	43	34	23	-	o	o
RICHMOND PARK	.. ..	*	*	0.9	*	*	*	*	*	*

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.
427	10.0	48



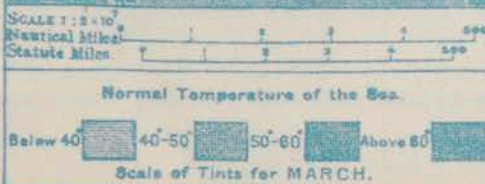
17<sup>TH</sup> MAR, at 1h. G.M.T.

THE MORNING OF MONDAY, 17<sup>TH</sup> MARCH, 1919 at 7h. G.M.T.



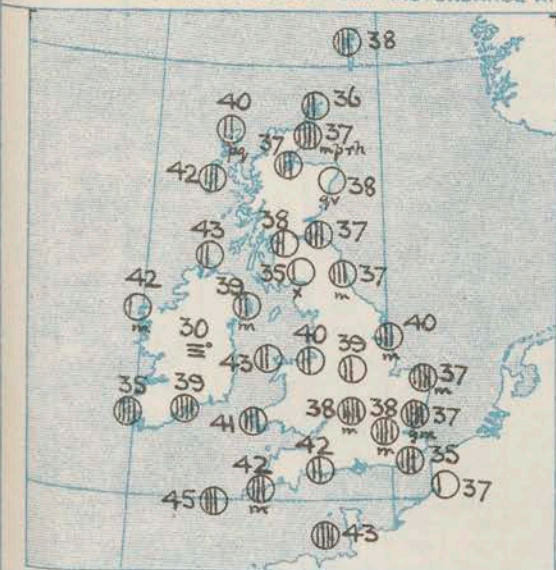
EXPLANATION.

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.  
 F. thunderstorm.  
 SEA DISTURBANCE.—Rough. High.





TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

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

Precipitation was generally slight and occurred in the form of passing showers at most of the stations where any rainfall was measured. More than 10 hours of bright sunshine were registered at Falmouth and records of above 6 hours were obtained at many other stations. The Northerly winds maintained air temperature rather low and slight frosts occurred at night inland.

The Conditions at 7h. Today

A large anticyclone covers Western Europe, pressure being highest (above 1040 mb.) to westward of Ireland. A considerable fall of pressure has occurred over the Southern Baltic and Sweden, and was continuing at the of this morning's observations. Pressure is also relatively low over Italy and to eastward of the North Cape. Over the British Isles, France and the North Sea, winds are mainly from NW. to N. moderate in force, but in the Gulf of Lyons gale force is reached. Rain and hail showers are reported at Wick but elsewhere weather is fair to dull. Except on the west and south-west coasts air temperature is below 40° F.

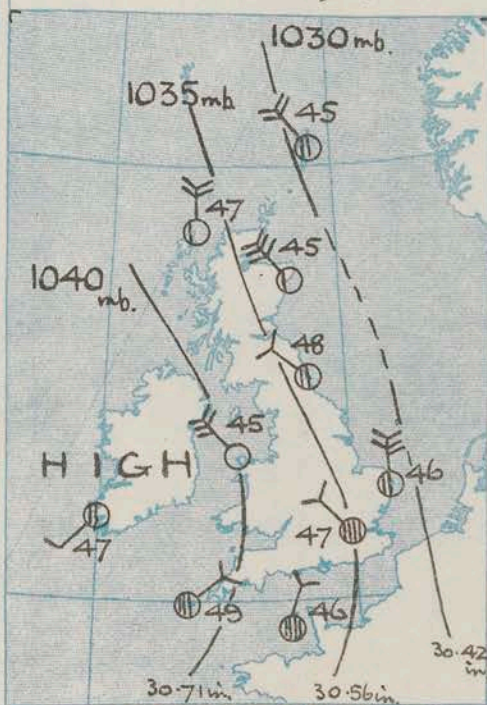
The Outlook

The anticyclone will probably continue to be the dominant influence over our area, maintaining Northerly winds, rather low air temperature and generally fair weather. The depression developing over the Baltic will cause an increase in wind from NW. or N. over the North Sea, but is not likely to affect the British Isles at present.

*L.S.B.*

MONDAY, 17<sup>TH</sup>

MARCH, 1919, at 13h. (1p.m.) G.M.T.



A freshening of wind from NW. to N. has occurred along the east coast, otherwise no material change has occurred since 7h. this morning.



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.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-3.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
				Dir.	Force		Milli- bars at M.S.L.	Change in 8 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force					Max.	Min.	Morning	Afternoon	Night.			
BRITISH ISLANDS.	Lerwick	1030.5	38	SW	2	om	1028.2	0	38	+3	NW	3	NW	c	2	2	43	34	c	om	cp	*		
	Houton B. (Orkney)	1031.9	40	W	5	b	1031.8	0	36	+2	NW	6	*	bc	4	42	33	bc	om	g.rh	*			
	Stornoway	1034.5	44	NW	4	b	1035.6	+1	40	-2	NW	4	*	bcpq	3	2	50	36	opb	b	bcpq	7.0		
	Castlebay (Barra Is.)	1036.5	46	W	4	b	1038.9	+1	42	?	NW	3	-	c	3	0.3	48	40	ro.bc	c.b	b.opc	7.8		
	Glasgow	1035.7	42	WSW	1	b	1037.0	0	38	+6	WNW	2	NW	bc	*	-	43	31	omg	om.abc	b.bcmx	0.6		
	Eskdalemuir	1035.5	39	WSW	3	adm	1036.9	+1	35	+7	WNW	4	-	bx	*	trace	41	27	ox.bco	o	adm.bx	2.3		
	Malin Head	1037.3	45	WNW	3	bm	1039.3	0	43	0	NNW	4	NW	bc	4	46	40	cp	bcm	bcp	5.8			
	Blackod Point	1040.3	45	NNW	3	bx	1042.3	0	42	-3	NNE	1	-	bm	3	-	48	39	bz	bz	bcm	*		
	Valencia (Cahirciveen)	1040.8	46	NNE	5	b	1043.0	+1	35	-13	ENE	2	-	o	3	1	51	34	o.orc	c.b.c.b	b.c.c.o	6.0		
	Roche's Point	1039.5	48	NW	4	b	1042.1	+1	39	-4	NW	2	-	o	2	0.1	54	37	o.c.opd	o.c.b	b.o	*		
	Birr Castle	1040.0	41	NW	1	c	1042.4	*	30	-11	S	1	-	m	*	-	50	30	c	c	c.zx	1.7		
	Donaghadee	1036.6	45	NNW	4	bcm	1038.6	+1	39	-1	W	4	NW	bcm	3	-	47	34	ogm	ogm.bc	bcm	*		
	Liverpool (Bidston)	1037.7	41	W	4	opd	1039.6	0	43	+7	WNW	4	N	bc	2	0.3	43	33	b.b.c.o	o.c.o	p.o.bc	6.4		
	Holyhead	1036.9	45	W	4	opd	1039.6	0	43	+8	NW	5	-	bc	4	-	49	34	b.b.c.o	o.c.o	bc	2.4		
	Pembroke (St. Ann's)	1037.6	45	W	2	o	1040.3	+2	41	+3	N	2	-	c	2	0.3	48	38	b.b.c	c	op.c.o	6.1		
	Scilly (St. Mary's)	1038.3	48	NNW	2	bc	1039.8	0	45	+1	NNE	3	N	c	4	0.3	50	44	b.c.o	o.c.bc	c	2.2		
	Falmouth	1038.0	45	NNW	3	b	1039.6	+1	42	+4	N	4	-	cm	*	trace	51	38	b	b.b.gv	b.c.op	10.2		
	Jersey (St. Aubin)	1035.4	44	N	3	b	1036.9	0	43	+1	N	2	-	o	2	-	46	37	b.c.b	b.b.c.b	b.o	6.8		
	Portland Bill	1035.1	44	NNE	3	bc	1035.1	0	42	+4	N	4	-	bc	3	-	47	38	bc	bc	c	*		
	Dungeness	1032.5	41	N	3	c	1033.6	+1	35	-1	NNW	2	N	c	2	0.2	42	29	cp.c	c	c.b.c	*		
	Wick	1032.5	43	WNW	2	b	1032.2	0	37	-1	NW	4	-	omphr	2	1	46	34	b.ond	om.d.b	b.phr	*		
	Nairn	1033.9	40	-	0	c	1034.9	*	37	+10	W	1	-	cg	1	2	42	27	m.d.p	bc.c	cp.g	2.7		
	Aberdeen	1033.6	42	WNW	2	b	1033.3	+1	38	-5	WNW	5	-	b.gv	3	0.2	45	29	b.b.c.o	ozp.bc	b.b.gv	4.2		
	Leith	1034.7	43	W	2	o	1035.8	0	37	+3	W	2	NW	c	2	-	44	33	b.c.o	om.o	a.c.b.c	*		
	Tynemouth	1034.2	41	NW	2	cm	1034.2	0	37	+3	NW	2	-	cm	3	-	45	34	bc	bcm	cm	*		
	Spurn Head	1034.3	40	N	3	b.c.v	1034.4	0	40	+2	WNW	3	-	cm	3	0.3	42	36	cp.pv	b.c.v	c	3.5		
	Yarmouth (Gorleston)	1032.1	40	NNE	4	o	1031.6	-2	37	0	NNW	3	-	om	2	1	42	33	b.c.p.o	o	cm.d	1.3		
	Clacton-on-Sea	1033.2	41	NNW	3	o	1033.6	-2	37	0	NW	2	N	ogm	1	-	43	35	cm.c	c.o	ogm	2.2		
	Nottingham	1035.0	42	NE	1	bm	1036.0	*	39	+4	NW	2	N	bcm	*	-	45	35	c	b.c.b	bm	6.2		
	Benson (Oxon.)	1035.1	40	NNE	1	b	1035.6	0	38	+1	NW	2	-	om	*	-	43	29	o	bc	b.om	*		
	St. Farnborough	*	*	N	3	b	1035.7	0	37	-1	WNW	2	-	cu.	*	trace	43	26	o	b	b.o.cu	1.3		
	London (Kew Obs.)	1035.4	41	N	1	bc	1035.5	0	38	-1	WSW	1	-	om	*	-	42	34	a.c	bc	b.b.mom	1.3		
NORTHERN EUROPE, ICELAND, &c.	Isafjord	1018.7	32	-	0	b	1033.7	+3	27	-4	-	0	-	b	*	*	*	*	*	*	*	*		
	Reykjavik	1033.6	30	-	0	b	1033.6	+1	30	-4	E	4	-	b	*	*	*	*	*	*	*	*		
	Vestmanna	1033.5	30	-	0	b	1033.5	0	36	-2	E	3	-	b	0	*	*	*	*	*	*	*		
	Seydisfjord	1022.0	37	W	4	b	1034.4	+3	32	-8	W	2	-	c	*	*	*	*	*	*	*	*		
	Thorshavn	1027.5	39	NW	2	o	1031.4	+2	39	-1	W	4	-	o	*	*	*	*	*	*	*	*		
	Spitsbergen	1036.3	-11	S	2	b	1041.3	0	-20	-14	SE	2	*	b	*	*	-11	-20	*	*	*	*		
	Vardö	1014.7	18	WNW	4	s	1014.6	0	14	-9	WNW	4	-	s	5	*	21	16	*	*	*	*		
	Gjesvær	1018.1	21	NE	8	o	1022.0	*	21	-6	NE	8	-	o	4	4	21	14	*	*	*	*		
	Bodö	1023.8	32	E	2	bc	1023.5	0	27	+4	E	2	-	bc	2	-	32	21	*	*	*	*		
	Christiansund	1028.8	34	W	3	s	1023.8	-1	34	-2	W	4	-	s	4	12	37	27	*	*	*	*		
	Skudesnaes	1031.5	36	NE	3	o	1024.7	-3	36	+2	-	0	-	o	1	-	39	30	*	*	*	*		
	Færder (N. of Oslo)	1029.3	34	SW	2	bc	1022.3	-2	28	+1	NNW	2	NE	bc	1	-	34	27	*	*	*	*		
	Haparanda	1017.7	23	SW	2	c	1018.3	+1	16	+6	NNW	4	-	b	0	trace	27	9	*	*	*	*		
	Hernösand	1022.6	28	-	0	b	1019.0	+3	27	0	NE	4	-	c	0	-	36	25	*	*	*	*		
	Stockholm	1028.4	30	SSW	7	o	1017.1	-3	28	+1	W	2	-	o	0	-	36	25	*	*	*	*		
	Wisby	1031.5	30	SSE	2	c	1019.4	-5	32	+2	W	4	-	bc	0	-	34	28	*	*	*	*		
	Karlstad	1029.3	30	-	0	o	1021.1	-5	25	+4	WNW	2	-	bc	*	-	34	18	*	*	*	*		
FRANCE, &c.	The Scaw (Skagen)	1031.4	30	SSW	1	b	1021.6	-3	32	0	SW	1	-	c	1	-	36	28	*	*	*	*		
	Blaavands Huk	1031.9	37	N	1	c	1026.1	-1	36	+6	NNW	1	-	bc	*	-	41	28	*	*	*	*		
	Copenhagen	1032.0	34	ENE	2	bc	1024.4	-4	32	0	WSW	2	-	m	*	-	37	32	*	*	*	*		
	Bornholm	1030.3	32	E	4	c	1024.3	-3	28	-6	NW	3	-	c	0	-	36	27	*	*	*	*		
	The Helder	1031.1	39	N	2	o	1030.0	0	39	0	NNW	2	-	bc	1	1	43	39	*	*	*	*		
	Brussels	1026.9	41	NW	2	o	1029.5	0	28															

## 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	1.5-3.3
3	8-12	5.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.3
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-23.1
11	64-75	28.5-33.5
12	Above 75	33.6 or above

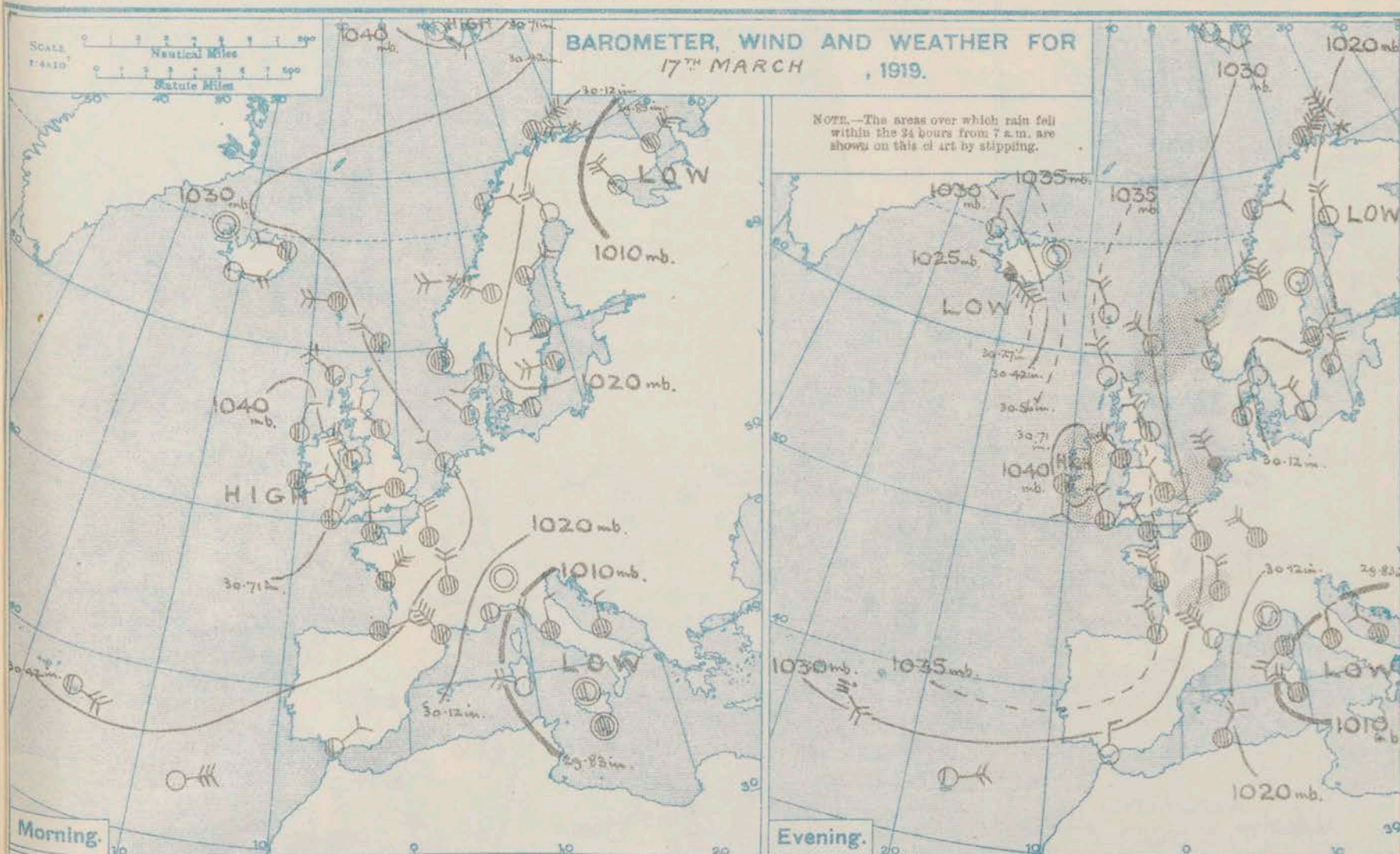


# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,935

TUESDAY, 18<sup>th</sup> MARCH, 1919.

## BAROMETER, WIND AND WEATHER FOR 17<sup>th</sup> MARCH, 1919.



### WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 17<sup>th</sup> March

STATIONS.	EVENING OF 16 <sup>th</sup> .....				MORNING OF 17 <sup>th</sup> .....				AFTERNOON OF 17 <sup>th</sup> .....			
	Barom. Millibars at M.S.L.	Temp. °F.	Wind Dir. Force 0-12.	Weather.	Barom. Millibars at M.S.L.	Temp. °F. Dry Bulb. Change in 24 hours.	Wind Dir. Force 0-12.	Weather.	Barom. Millibars at M.S.L.	Temp. °F. Dry Bulb. Change in 24 hours.	Wind Dir. Force 0-12.	Weather.
<b>RUSSIA.</b>												
Sviatonos .....					1009.3	14 +9	NW 7	b	1031.9	40 +8	-	0 b
Kandalatska .....												
Archangel .....					1000.7	-3 10 -8	NW 4	s	1028.4	35 ?	E 6	c
Soroka .....					1006.3	? 12 +2	NW 4	bc	1028.6	35 ?	SE 8	f
<b>MEDITERRANEAN.</b>												
Algiers .....					1004.7	-1 54 ?	-	0	1026.6	38 -7	W 1	b
Malta .....												
Salonica .....												
Athens .....												
Candia .....												
Limassol .....					1008.2	+1 55 -13	W 2	b	1034.9	41 -2	NW 3	c
Alexandria .....												
Cairo (Helwan) .....												
<b>ITALY.</b>												
Venice .....												
Turin .....					1009.7	50 0	NE 1	c				
Leghorn .....	1008.7	50	NE 1	b	1009.1	46 0	N 1	0				
Rome .....	1008.1	50	N 1	c								
Vieti .....	1005.1	52	WNW 2	b	1007.9	52 0	NNE 1	0				
Brindisi .....												
Cagliari .....	1008.6	55	NW 5	bc	1008.7	50 ?	NW 4	b				
Palermo .....	1006.6	50	-	0	1007.8	48 0	-	0				
Tripoli .....												

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

18 <sup>th</sup> & 19 <sup>th</sup> March 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	6.2	12.1	6.0
Greenwich	...	6.0	12.1	6.2
Wick	...	6.9	12.8	6.7
Valencia	...	6.7	12.8	6.9
		6.23	12.20	6.18
		6.20	12.20	6.20
		6.50	12.49	6.48
		6.48	12.49	6.50

LONDON		HUMIDITY.		TEMPERATURE.		WIND.		WEATHER.	
18 <sup>th</sup> March 9h. G.M.T.		15h.	9h.	Max.	Min.	Dir.	Force	Morning.	Night.
GREENWICH (Royal Observatory)	...	63	76	48	34	25	1	0.c	bc 0.cmp
CITY (Bunhill Row)	...	...	...	...	...	...	...	...	...
WESTMINSTER (St. James's Park)	...	72	78	49	30	28	1	x	x
(Roof near Charing Cross)	...	65	74	54	34	*	1	bm	cm
CAMDEN SQ. (British Rainfall)	...	54	75	49	32	29	1	c	c
KENSINGTON PALACE	...	...	70	48	32	22	1	bc	bc
RICHMOND PARK	...	...	...	...	...	...	...	...	...

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.
706	16.5	43

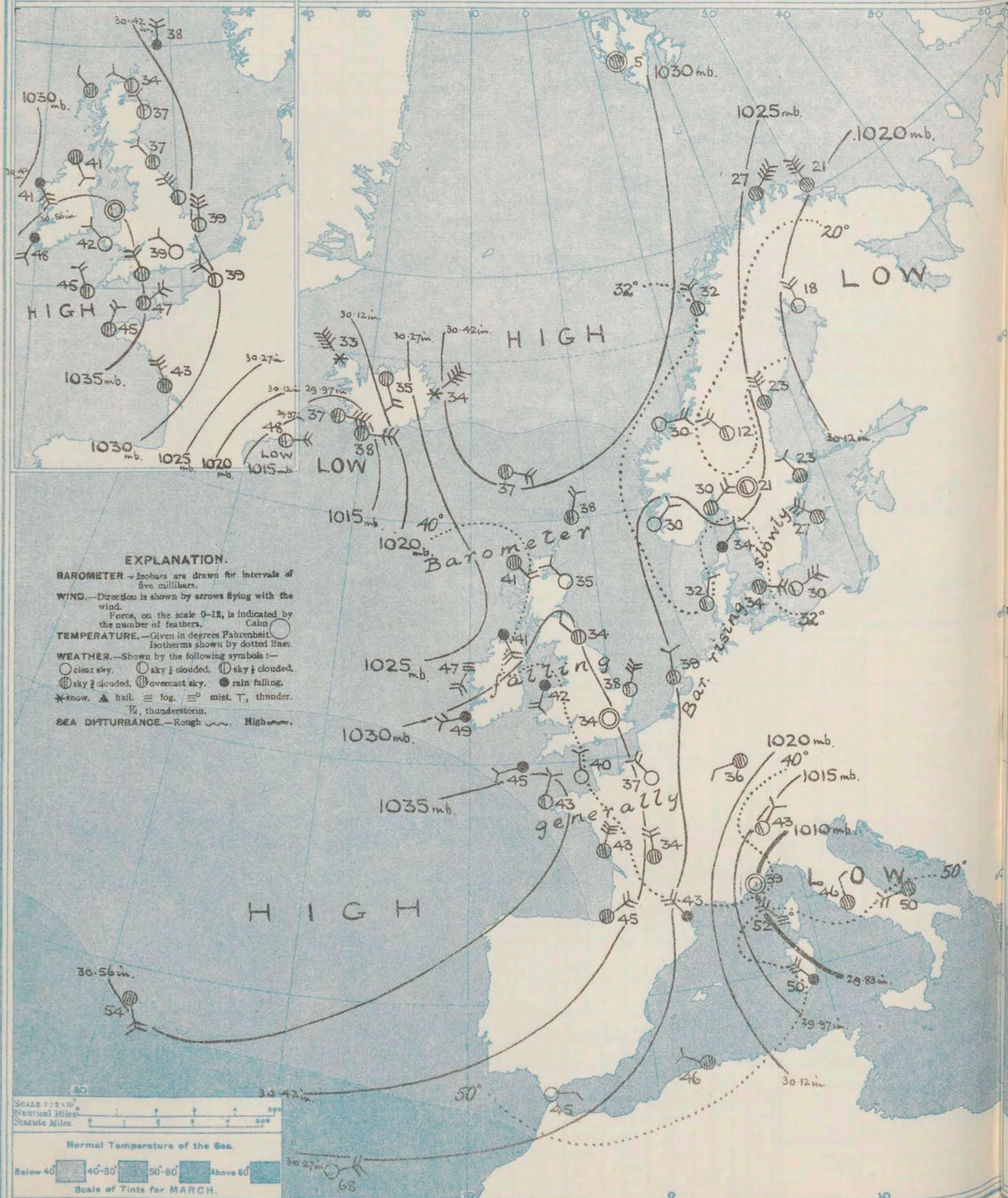
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.  
Printed at the Meteorological Office, South Kensington, London, S.W. 7.  
By WILMAN & SONS LTD., Fetter Lane, London, E.C. 4, and Reading.

† The barometric change is expressed in half-millibars.

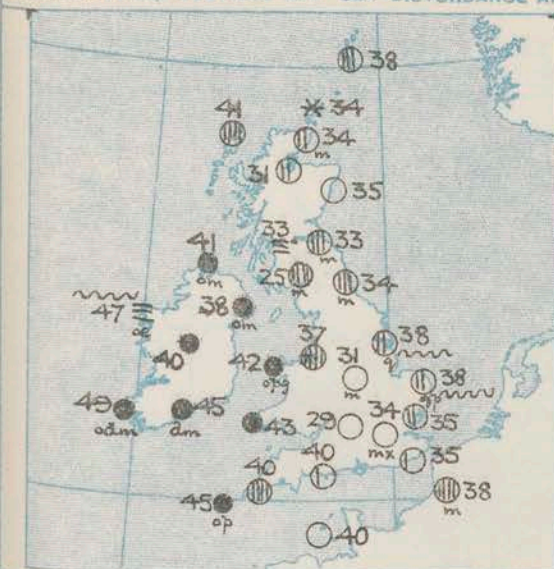


18<sup>TH</sup> MAR, at 1h. G.M.T.

THE MORNING OF TUESDAY, 18<sup>TH</sup> MARCH, 1919 at 7h. G.M.T.







## NOTES.

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

Except for local snow or hail showers in the north of Scotland the day was for the most part fair, but rainy conditions supervened during the night in the west of Ireland, 7 mm. of rain being measured at Valencia. Sunshine was most abundant in Scotland where over 9 hours were registered at some stations, and 8 hours were enjoyed at Yarmouth, while over a considerable portion of Southern and Western England the record was below 1 hour. Slight frosts again occurred during the night at most of the inland stations.

The Conditions at 7h. Today

The anticyclone which has been the dominating factor over Western Europe of late has split up into two portions one covering the Bay of Biscay, the other lying to eastward of Iceland. A marked fall of pressure has occurred over the western part of the British Isles as a result of the development of a depression to north-westward of Ireland. Associated with the Southerly winds which have spread over our western areas a rise of temperature and a reversion to rainy weather have occurred. Winds remain Northerly and weather fair but rather cold over our eastern districts. Snow is falling in parts of Rhineland and Eastern France and also at Houton Bay, Orkney.

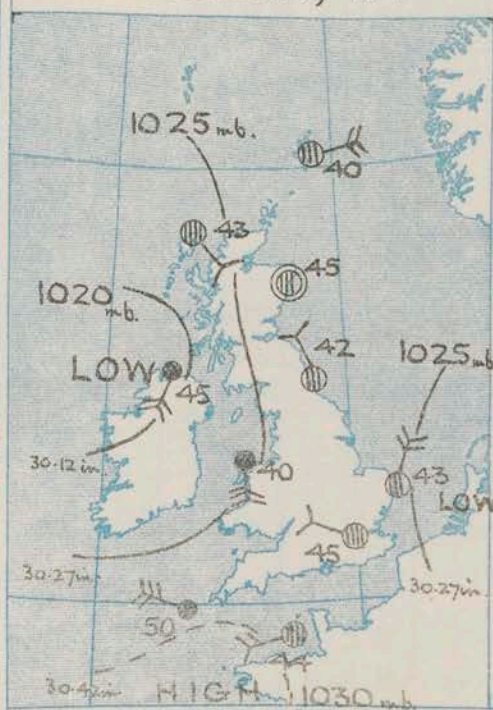
The Outlook

The anticyclone which at present covers the Bay of Biscay and a considerable portion of Western Europe is breaking up as a result of the expansion of the depression to south-westward of Iceland, and the formation of secondaries. A return to mild, unsettled weather with Southerly winds is probable.

E.S.B.

TUESDAY, 18<sup>TH</sup>

MARCH, 1919, at 13h. (1p.m.) G.M.T.



The depression in the north-west continues to expand eastward, and the general fall of pressure is maintained.



STATIONS.		EVENING OF 17th					MORNING OF 18th					24 HOURS ENDED 7th 18th					Sun- shine for 17th					
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometrical Milli- bars at M.S.L.	Change in 8 hours.	TEMP. Dry Bulb.	Change in 24 hours.	WIND.		Dirac. of Upper Cloud.	Weather.	Sea 0-3.	Rain- fall. Milli- metres.		TEMP.		WEATHER.		
				Dirac.	Force 0-12.						Dirac.	Force 0-12.						Max.	Min.	Morning	Afternoon	Night
BRITISH ISLANDS.	Lerwick	1030.0	39	NW	4	bc	1028.8	0	38	0	NNE	3	N	C	2	1	45	36	bc	bc	omp	Hours
	Houton B. (Orkney)	1033.5	38	NNW	6	bc	1029.0	-2	34	-2	W	2	*	S	2	*	43	33	prnq	prnq	CS	*
	Stornoway	1036.3	44	NNW	3	b	1027.5	-4	41	+1	SE	3	-	O	2	-	47	34	b	b	b.o	9.4
	Castlebay (Barra Is.)	1037.2	44	WNW	1	O													c.o.c.o	c.o.c.o	b.b.b	6.3
	Glasgow	1035.7	44	NW	2	bc	1030.2	-2	33	+1	SE	1	-	m	*	-	46	32	bc	bc	b.b.b	6.3
	Eskdalemuir	1035.3	41	NW	4	CZ	1031.4	-3	25	-10	-	0	-	omx	*	-	46	23	c.o.y.o	bx.bc.c	omx	6.3
	Malin Head	1037.9	44	NW	2	cm	1025.7	-8	41	+2	SSE	4	-	omr	3	6	46	37	bc	cm	omr	2.9
	Blackod Point						1026.2	-4	47	+5	SSW	4	-	ofe	5	2	47	42			omr of	*
	Valencia (Cahirciveen)	1040.0	45	S	2	O	1031.0	-3	49	+14	WSW	3	-	odm	-	7	50	34	o bc.o	a bc. o	odm	2.1
	Roche's Point	1040.1	45	WSW	2	O	1031.2	-4	45	-6	S	1	-	dmr	1	3	50	39	O	O	omr	*
	Birr Castle	1039.1	46	W	1	C	1028.7	*	40	+10	S	1	-	F	*	4	48	30	xc	xc	OT	2.4
	Donaghadee	1037.1	44	N	4	ogm	1029.7	-4	38	-1	SW	1	-	omr	1	1	46	36	bc	gm	bc. om	*
	Liverpool (Bishop)	1035.7	41	WNW	4	b	1031.1	-4	37	-3	W	2	-	O	2	-	45	36	bc	bc	c.o	0.6
	Holyhead	1037.2	44	NW	4	og	1030.9	-3	42	-1	SSW	3	-	opg	1	-	46	38	bm	og	b.og	0.7
	Pembroke (St. Ann's)	1038.7	43	NNW	2	O	1032.9	-3	43	+2	SW	2	-	OT	2	-	47	40	C	C	bc.c.o	0.7
	Scilly (St. Mary's)	1039.9	45	NNW	3	C	1034.5	-3	45	0	WSW	2	W	OP	3	0.1	49	42	C	C	C.O	3.7
	Falmouth	1038.4	44	NNW	3	cm	1034.6	-2	40	-2	WNW	2	-	O	*	-	50	38	O.C	C.O.C	C.O.C	4.3
	Jersey (St. Aubin)	1035.7	46	NW	3	O	1032.6	-1	40	-3	N	2	-	b	2	-	48	39	O.C.O	O	O.BW	1.0
	Portland Bill	1035.9	46	NW	3	bc	1032.8	-1	40	-2	NW	3	-	b	3	-	47	39	C	C.bc	bc.b	*
	Dungeness	1031.1	44	N	3	bc	1028.9	-2	35	0	N	3	N	b	3	0.2	48	33	C.bc	C	cp.b.b	*
Wick	1033.1	40	NW	4	bc	1028.7	-2	34	-3	WNW	2	-	bc	2	1	45	33	O.bcp	bc	bc	*	
Nairn	1035.7	40	NW	1	bc	1028.9	*	31	-6	-	0	-	bc	1	-	47	29	cg.bq	q.bc	C.bx	6.9	
Aberdeen	1033.0	42	NW	5	bq.v	1029.2	-2	35	-3	NW	2	-	b	2	1	46	34	bq.v	bq.v	bc.b	9.7	
Leith	1034.6	42	NW	1	bc	1030.1	-2	33	-4	WNW	1	-	cm	1	-	46	32	C.bc.b	b	bc.b	*	
Tynemouth	1032.7	42	NW	3	bc	1029.9	-2	34	-3	NW	1	-	cm	3	-	49	34	bc	bc	bc.cm	*	
Spurn Head	1031.2	43	N	5	bq	1029.3	-1	38	-2	NNW	5	-	bcq	5	-	46	36	bcq	bcq	bcq	7.0	
Yarmouth (Gorleston)	1029.1	41	N	6	b	1027.6	0	38	+1	NNE	5	-	bcq	5	2	46	37	om.bq	bcq	bcq	8.1	
Clacton-on-Sea	1031.2	41	NW	3	bc	1029.1	+1	35	-2	NNW	3	N	bc	1	-	48	35	opm.c	C.bc	bc.b	5.0	
Nottingham	1033.6	45	NW	3	bm	1031.1	*	31	-8	W	1	-	bm	*	-	48	31	cm	cm	bm	2.6	
Benson (Oxon.)	1033.6	42	NW	2	b	1031.6	-2	29	-9	-	0	-	b	*	-	46	27	C.O	bc	bcx	*	
St. Farnborough	*	*	NW	3	bc	1031.8	-2	31	-6	WNW	2	-	bm	*	-	47	30	C.O	O.bc	bc.b	0.5	
London (Kew Obs.)	1033.1	45	NW	2	C	1031.3	-2	34	-4	-	0	-	bm	0.2	48	32	omc.o	O.bc.op	C.b.c	9.2		
NORTHERN EUROPE, ICELAND, &c.	Isafjord	1029.3	36	N	1	b	1017.2	-4	33	-6	NW	9	-	S	*	*	*	*	*	*	*	
	Reykjavik	1023.7	34	E	8	O	1012.4	+1	37	+7	ESE	7	-	C	*	*	*	*	*	*	*	
	Vestmanna	1024.6	35	SE	9	+	1013.7	-4	38	+2	E	6	-	C	5	*	*	*	*	*	*	
	Seydisfjord	1035.8	38	-	0	b	1029.5	-2	34	+2	NE	8	-	S	*	*	*	*	*	*	*	
	Thorshavn	1034.6	38	NNW	3	b	1030.7	-3	37	-2	ESE	4	-	C	*	*	*	*	*	*	*	
	Spitsbergen	1038.7	-9	SE	1	b	1010.1	+3	5	+25	-	0	-	C	*	*	*	*	*	*	*	
	Vardö	1013.2	23	NNW	8	S	1021.2	+1	21	+7	N	8	-	O	6	*	23	14				
	Gjesvær	1024.4	28	NE	7	O	1024.6	*	27	+6	NE	8	-	O	5	2	28	19				
	Bodö	1028.6	23	E	2	bc	1029.7	-1	32	+5	N	4	-	C	2	-	32	19				
	Christiansund	1026.0	34	NE	2	C	1029.5	0	32	-2	E	3	-	b	3	5	37	30				
	Skudesnaes	1023.5	36	N	3	b	1021.5	-1	30	-6	NE	2	-	b	1	-	41	30				
	Færder (Lanla Fjord)	1020.4	36	-	0	bc	1025.2	+3	30	+2	NE	4	-	C	2	-	39	28				
	Haparanda	1019.3	14	N	4	bc	1018.9	+3	18	+2	N	4	-	b	0	TRACE	23	14				
	Hernösand	1024.2	23	-	0	b	1023.3	-2	23	-4	N	6	-	O	0	-	28	12				
	Stockholm	1020.7	25	NE	2	O	1022.7	-1	23	-5	NNW	2	-	O	0	-	30	19				
	Wisby	1019.1	32	NNE	4	C	1022.4	+1	27	-5	NW	6	-	O	5	-	36	23				
	Karlstad	1019.9	39	-	0	b	1027.0	+3	21	-4	-	0	-	bc	*	+	39	18				
	The Scaw (Skagen)	1019.3	34	N	1	b	1022.1	+1	34	+2	NNE	2	-	b	2	-	37	28				
Blauvands Huk	1020.7	36	N	1	C	1023.7	+0	32	-4	NNE	1	-	bc	*	TRACE	41	27					
Copenhagen	1019.4	36	NNE	1	O	1023.0	+2	34	+2	ESE	4	-	O	*	-	39	32					
Bornholm	1018.9	32	NW	3	bc	1021.5	+3	30	+2	ENE	5	-	b	1	TRACE	32	28					
FRANCE, &c.	The Helder	1024.6	39	NNW	5	b	1025.1	+2	39	0	N	2	-	C	2	4	43	36				
	Brussels	1029.3	37	NNW	?	O									*	*	*					
	Coblenz	1026.3	34	NW	2	O	1021.6	-2	32	+4	NW	1	-	S	*	1	*	*				
	C. Gris Nez						1028.4	+0	41	+2	NNW	5	-	bc	5	-	48	37				
	La Hève																					
	Cherbourg						1036.4	-1	43	-2	N	2	-	b	2	-	46	41				
	Brest (St. Mathieu)	1038.4	46	NNE	3	C	1035.4	-1	43	-2	NNE	2	-	bc	5	-	52	41				
	Rennes	1036.0	45	N	3	C	1033.0	0	?	?	NNW	2	-	b	?	-	?	?				
	Roche fort (De l'Ats)	1034.7	48	NNW	5	O	1031.8	-1	43	0	NNE	6	-	C	*	-	52	43				
	Biarritz	1033.5	46	NNW	3	O	1031.7	+2	45	0	NE	4	-	O	5	TRACE	50	43				
IBERIA, &c.	Paris	1031.0	43	NNW	3	O	1027.7	-2	37	-2	NW	3	-	b	*	TRACE	46	36				
	Strasbourg	1025.1	41	W	2	O	1022.1	-2	36	0	W	1	-	O	*	?	?	?				
	Besancon						1023.8	*	32	?	NNW	1	-	S	*	5	45	32				
	Clermont	1030.9	37	N	4	O	1027.3	-1	34	-2	N	4	-	O	*	1	39	32				
	Limoges	1030.4	*	N	1	O	1029.9	*	36	+2	N	2	-	bc	*	-	?	34				
	Nice	1013.7	50	-	0	b	1009.5	+2	39	-13	-	0	-	O	4	3	61	34				
	Sicé	1012.4	48	NW	4	b																
	Perpignan	1023.9	45	NW	8	b	1023.5	-1	43	0	NW	4	-	T	?	-	50	41				
	Corunna																					
	Madrid																					
Lisbon																						
Azores (Horta)	1035.4	*	SSW	4	O	1035.4	+1	59	?	SSE	4	*	O	3	-	63	59					

## 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	0.3-1.0
2	4-7	1.0-2.3
3	8-12	2.3-3.4
4	13-18	3.4-5.0
5	19-24	5.0-6.7
6	25-31	6.7-8.5
7	32-38	8.5-10.7
8	39-46	10.7-12.8
9	47-54	12.8-15.0
10	55-63	15.0-17.7
11	64-75	17.7-20.7
12	Above 75	20.7 or above

## BEAUFORT NOTATION.

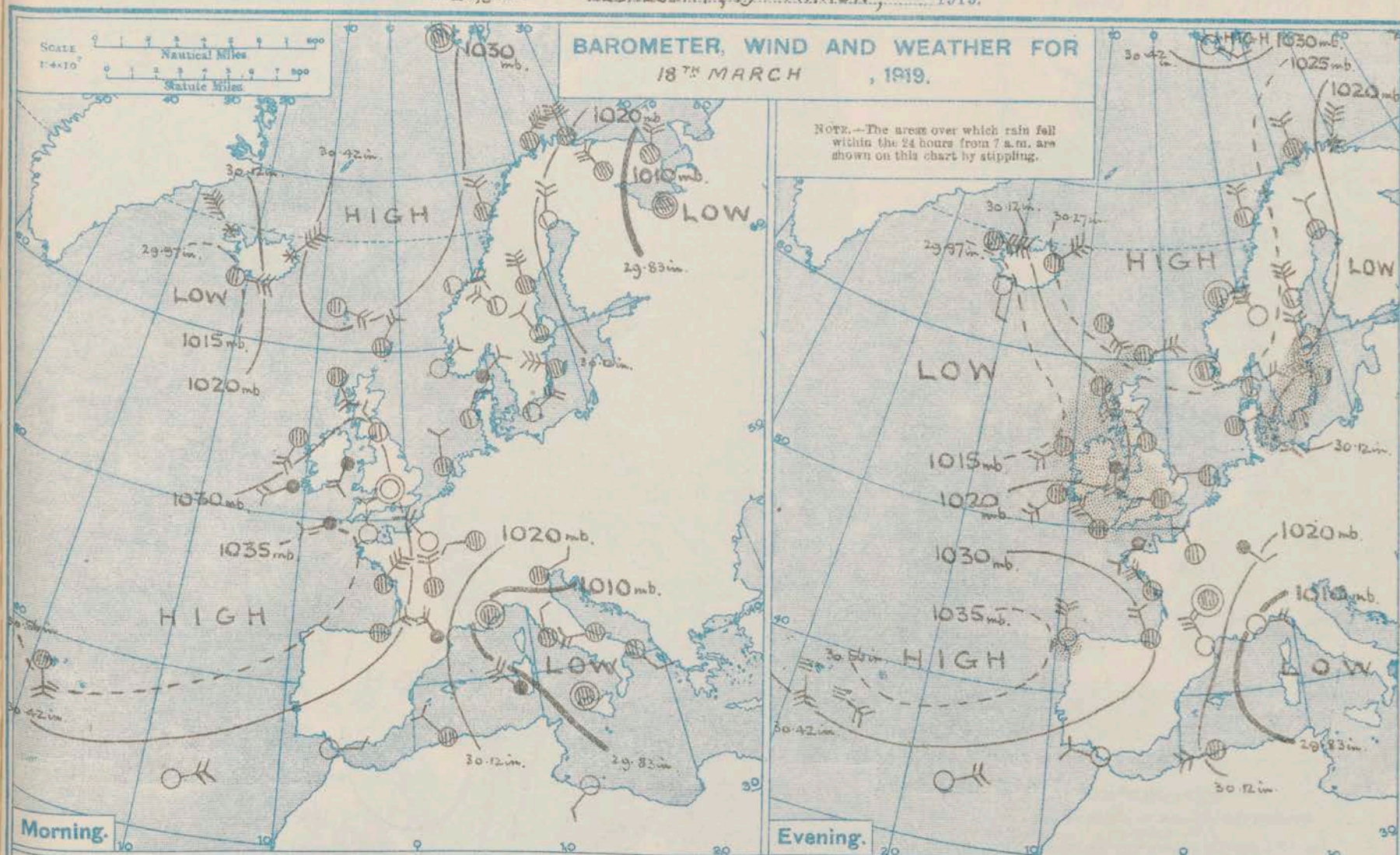
b blue sky (not more than a quarter covered).  
bc sky partly cloudy (one half covered).  
c generally cloudy (three quarters covered).  
d drizzle, or fine rain.  
e wet air without rain falling.  
f fog.  
g gloom.  
h hail.  
i lightning.  
m mist.  
o overcast sky.  
p passing showers.  
q squalls.  
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.



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

N20,936.

WEDNESDAY, 19<sup>TH</sup> MARCH, 1919.



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

STATIONS.		EVENING OF 17 <sup>TH</sup> .....					MORNING OF 18 <sup>TH</sup> .....								AFTERNOON OF 18 <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.			
				Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.		Dir.	Force 0-12.			Max.	Min.	Dry Bulb.	Change in 24 hours.		Dir.	Force 0-12.	
		°F.							°F.	°F.				°F.	°F.			°F.	°F.						
RUSSIA.	Sviatonos ...						1008.4	+	-6	-20	NE	7	b	?	×	×	Isafjord ...	1016.4	37	-3	E	9	0		
	Kandalatska ...													×	×										
	Archangel ...						1005.9	-1	-20	-30	-	0	b	?	×	×									
	Soroka ...													×	×										
MEDITERRANEAN.	Algiers ...	1021.9	52	NNE	3	0	1022.9		40	?	WNW	2	0	12	54	43	Vestmanna	1013.7	39	+4	SE	2	1		
	Malta ...	×	×	×	×	×												Seydisfjord	1026.6	33	-5	NE	3	5	
	Salonica ...																		Thorshavn	1026.3	40	-1	SE	5	0
	Athens ...																								
	Candia ...																								
	Limassol ...	×	×	×	×	×	1012.2	0	57	+2	WNW	4	0	-	68	45									
	Alexandria ...																								
	Cairo (Helwan) ...																								
ITALY.	Venice ...	1013.7	48	NE	2	0	1012.5	×	43	?	ENE	1	0	2	55	41	Mar. 19 <sup>TH</sup> 1919.			Sunrise.		Noon.		Sunset.	
	Turin ...																G.M.T.			G.M.T.		G.M.T.			
	Leghorn ...	1012.2	52	E	2	0	1007.0	×	46	-4	NE	3	0	2	57	45	Yarmouth ...	6.0	12.1	6.2	5.58	12.1	6.3		
	Rome ...	1008.5	50	N	1	0	1005.9	×	46	0	N	1	0	-	57	45									
	Viesti ...	1008.7	52	NW	2	0	1005.8	×	50	-2	W	3	0	6	55	?	Greenwich ...	6.7	12.3	6.9	6.5	12.8	6.10		
	Brindisi ...	1004.9	52	WSW	1	b	1004.6	×	50	?	SSE	1	c	6	57	50									
	Cagliari ...	1009.9	54	NW	4	0	1011.4	×	50	0	NW	5	r	4	63	45	Wick ...	6.20	12.20	6.20	6.18	12.20	6.20		
	Palermo ...	1007.4	48	NW	3	0	1007.0	×	48	0	-	0	b	1	55	43									
	Tripoli ...	1010.6	50	SW	4	0	1013.4	×	50	?	WSW	1	b	-	?	43	Valencia ...	6.48	12.40	6.50	6.48	12.40	6.50		

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

Mar. 19 <sup>TH</sup> 1919.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.0	12.1	6.2
Greenwich ...	5.58	12.1	6.3
Wick ...	6.5	12.8	6.10
Valencia ...	6.20	12.20	6.20
	6.18	12.20	6.21
	6.48	12.49	6.50
	6.46	12.49	6.51

LONDON	HUMIDITY.		Sunshine for 24 hours.	TEMPERATURE.				Rain-fall.	WEATHER.		
	25 h.	9 h.		Max.	Min.	Max. on Grass.	Min. on Grass.		Morning.	Afternoon.	Night.
<b>MARCH 19<sup>TH</sup> 9h. G.M.T.</b>	18 <sup>TH</sup>	19 <sup>TH</sup>	18 <sup>TH</sup>	°F.	°F.	°F.	°F.	inches.			
GREENWICH (Royal Observatory) ...	59	90	2.4	46	31	25	2	0.2	bz.0	0	ops. c.o.c.
CITY (Bunhill Row) ...			0.8								
WESTMINSTER (St. James's Park) ...	67	85	1.2	47	35	30	2				
" (Roof of Admiralty Arch) ...	66	92	0.6	49	41		1	bcn.	cm	orm	
CAMPDEN SQ. (British Rainfall) ...	59	89	2.5	48	32	29	2	bc.c	c.o		
KENSINGTON PALACE ...		84		41	39	26	2	od	0		
RICHMOND PARK ...			3.3								

**SOUTH KENSINGTON (M.O.)**

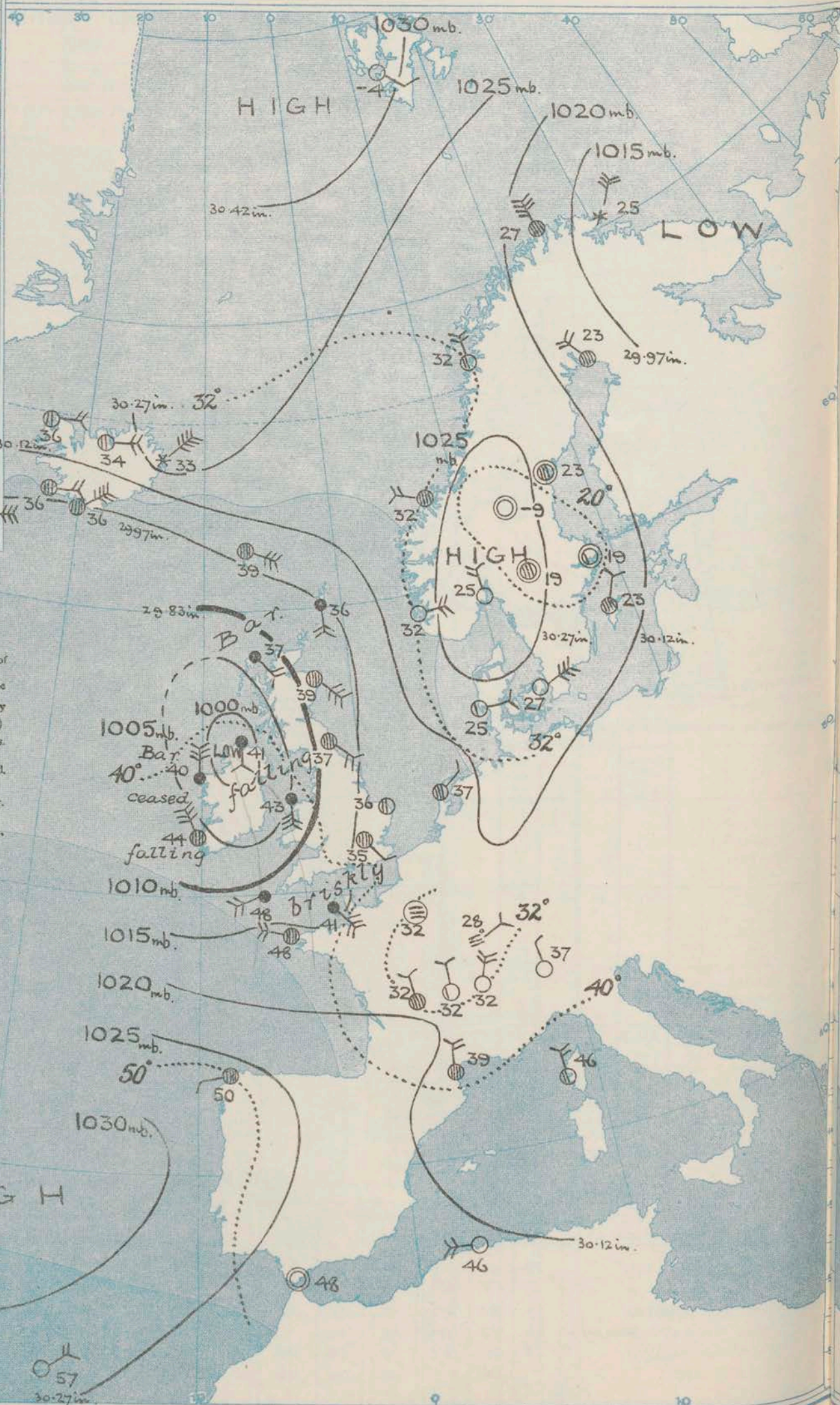
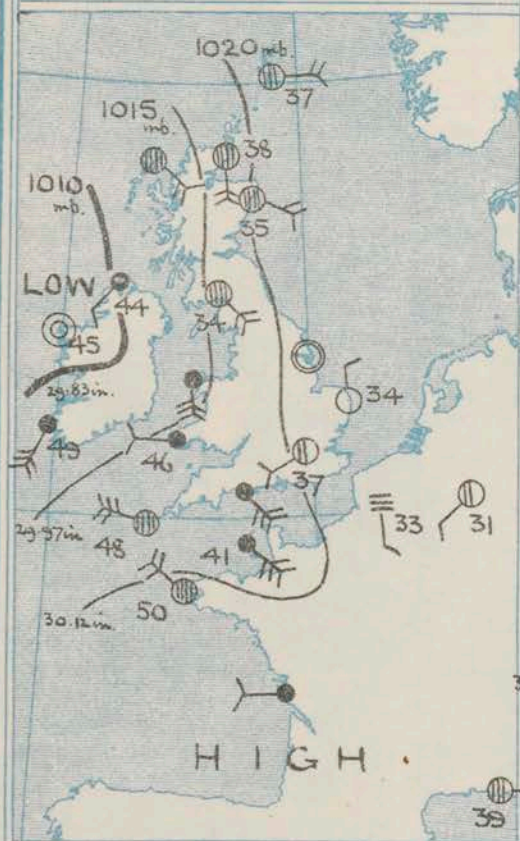
Vertical Component of Solar Radiation per square Centimetre during 18<sup>TH</sup>.....

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
827	19.2	57



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

THE MORNING OF WEDNESDAY, 19<sup>TH</sup> MARCH, 1919 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.

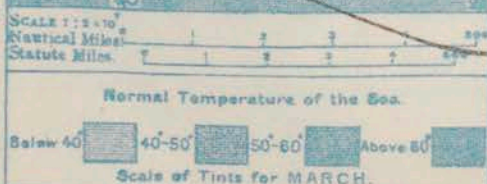
**TEMPERATURE.**—Given in degrees Fahrenheit.

Isotherms shown by dotted lines.

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

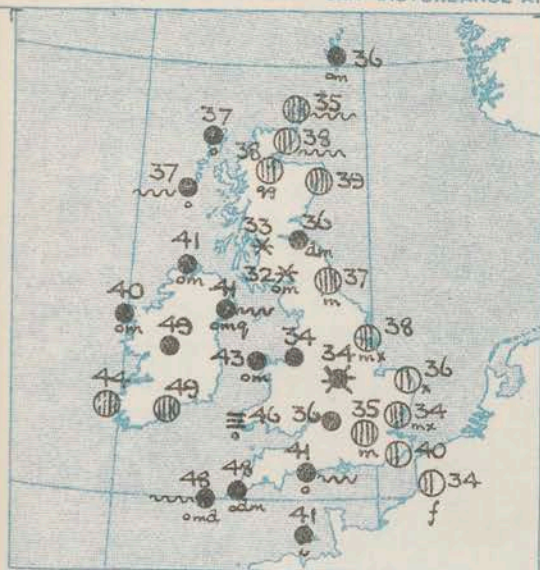
- clear sky.
- ◐ sky 1/2 clouded.
- ◑ sky 3/4 clouded.
- ◒ overcast sky.
- rain falling.
- \* snow.
- ▲ hail.
- ≡ fog.
- mist.
- ⚡ thunder.
- ⚡ thunderstorm.

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





TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

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

In the western districts, the change to cyclonic conditions was accompanied by heavy rain and complete absence of sunshine. The precipitation reached 35 mm. at Holyhead and 28 mm. at Donaghadee. 3 to 4 hours of sunshine were recorded in the west and south but some rain fell during the night and early this morning. Snow fell locally in Scotland, the Midlands and Southern England.

The Conditions at 7h. Today

The depression which appeared yesterday off NW. Ireland has developed considerable intensity and is now centred over North Ireland. Over Great Britain generally winds are moderate to strong from SE. to S. and except over a small area in the south-east weather conditions are very disturbed, rain or sleet being reported at most stations. A veer of wind to North has occurred in the west of Ireland. Pressure remains high over Scandinavia, Spitzbergen and the Azores region.

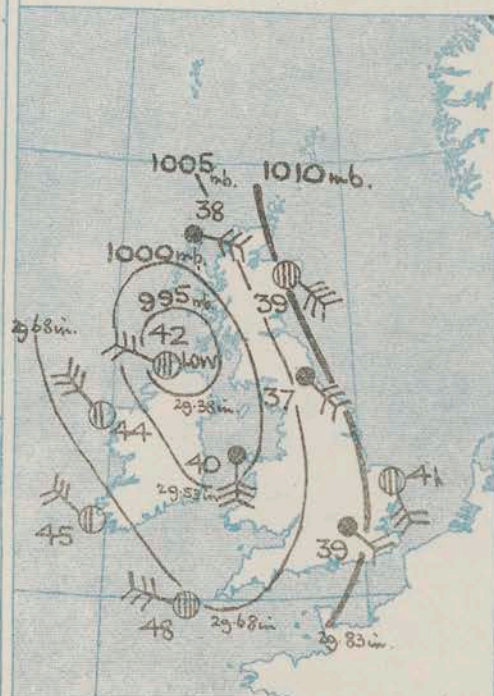
The Outlook

The depression now over Ireland will be productive of much rain and some snow accompanied by strong squally winds as it moves eastward. A change of wind to 360° (N) and an improvement in the weather (probably temporary) will follow in its rear. Further depressions arriving from the Atlantic are likely to appear off our western coasts in the near future.

E. S. B.

WEDNESDAY, 19<sup>TH</sup>

MARCH, 1919, at 13h. (1p.m.) G.M.T.



The depression is moving eastward slowly and increasing in intensity.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 78.

Wednesday  
March 19

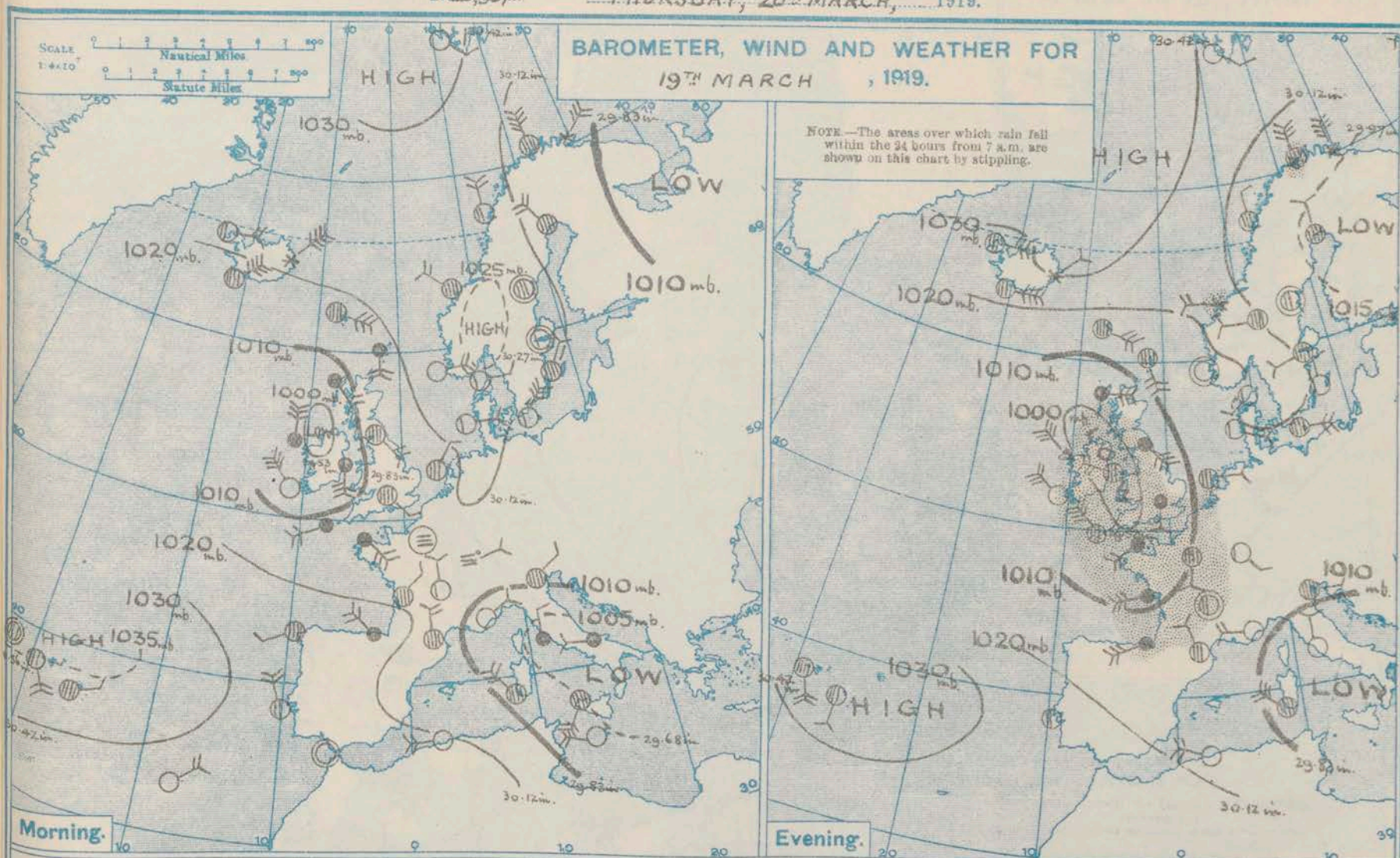
STATIONS.		EVENING OF 18 <sup>th</sup> .....					MORNING OF 19 <sup>th</sup> .....					24 HOURS ENDED 7 H. 19 <sup>th</sup> .....					Sun- shine for 18 <sup>th</sup>					
		Barom. at M.S.L.	Temp.	WIND.		Weather.	Barom. at M.S.L.	Change in 3 hours.	Temp.	WIND.		Weather.	Sea 0-9.	Rain- fall in inches.	TEMP.			WEATHER.				
				Dir.	Force					Dir.	Force				Max.	Min.		Morning	Afternoon	Night		
BRITISH ISLANDS.	Lerwick	1025.5	38	ENE	5	o	1014.7	-2	36	+2	S	4	-	omr	3	1	41	35	c	o	omp	Hours.
	Houton B. (Orkney)	1023.7	36	ESE	6	o	1014.4	-3	35	-1	SE	8	*	o	5	*	43	34	bc.c	prh	po	*
	Stornoway	1019.3	42	SSE	4	o	1007.6	-5	37	-4	SE	3	-	or	2	4	43	37	o	o	or	0.0
	Castlebay (Barra Isd.)	1017.8	39	SE	5	or	1004.5	-6	37	?	E	5	-	or	6	25	41	36	r	r	r	0.0
	Glasgow	1021.8	34	ENE	2	ors	1008.2	-7	33	0	NE	3	-	s	*	12	35	32	s.ors	ors	ors.s	0.0
	Esksdalemuir	1023.4	33	-	0	osm	1005.6	-8	32	+7	SE	6	-	osm	*	4	36	25	om.osm	osm	om.osm	0.0
	Malin Head	1015.3	47	SW	3	omr	999.5	-9	41	?	S	2	-	omr	2	18	47	37	omr	omr	omr	0.0
	Blacksod Point	1017.0	48	SW	4	ofe	1003.6	0	40	-7	N	6	-	omr	4	13	47	38	of.d	ofe	of.omp	*
	Valencia (Cahirciveen)	1022.9	49	SW	4	o	1007.5	0	44	-5	NNW	6	-	o	5	6	52	44	or.p	of.d	or.or	0.0
	Roche's Point	1022.6	51	W	3	o	1003.5	-11	45	-1	SW	4	-	o	4	1	54	45	dfo	o	or.o	*
	Birr Castle	1019.1	49	SW	1	r	1000.4	*	49	-9	S	2	-	r	*	3	51	40	ori	od	or	0.0
	Donaghadee	1018.2	39	SE	4	omr	1002.1	-11	41	+3	SE	5	-	omr	5	28	42	37	omr	omr	of.rq	*
	Liverpool (Birken)	1022.2	35	ESE	4	r	1008.8	-7	34	-3	SE	5	-	r	4	12	42	33	or	or	or	0.0
	Holyhead	1019.0	42	S	4	odm	1004.4	-7	43	+1	S	5	-	orm	4	35	44	40	orm	orm	orm	0.0
	Pembroke (St. Ann's)	1021.7	46	NW	1	o	1008.3	-9	46	+3	SSW	3	-	of	3	18	46	40	or	or.frd	of.or	0.0
	Scilly (St. Mary's)	1024.8	49	WNW	5	om	1012.3	-6	48	+3	WSW	4	-	omd	5	4	50	44	or.frd	om.pd	omd	0.1
	Falmouth	1023.2	48	WNW	6	ofeq	1011.6	-7	48	+8	SW	4	-	odem	*	4	48	40	orm	od.feq	me.od	0.0
	Jersey (St. Aubin)	1025.8	41	SW	2	or	1014.7	-2	41	+1	SE	5	-	or	4	8	48	39	bc.o	or	or	4.0
	Portland Bill	1024.1	41	WSW	4	or	1013.2	-6	41	+1	SE	6	-	or	5	11	46	39	c.o	c.o.or	or	*
	Dungeness	1023.9	43	W	3	c	1016.8	-3	40	+5	S	3	5	bc	3	-	46	32	bc	c	c.p.c	*
NORTHERN EUROPE, ICELAND, &c.	Wick	1023.1	39	E	4	c	1013.3	-3	38	+4	SSE	6	-	c	6	-	42	34	bc	bc.c	c.bc.c	*
	Nairn	1020.8	40	ESE	2	c	1009.6	*	38	+7	SSE	4	-	cgg	3	-	43	31	cg	cg	cg	0.0
	Aberdeen	1023.6	40	SE	2	o	1014.3	-4	39	+4	SE	6	-	o	4	1	45	34	b.bcg	bc.vc	op.c	3.4
	Leith	1022.2	38	NE	1	o	1010.2	-4	36	+3	SE	2	-	dm	1	-	41	32	cm.d.c	o	og.ond	*
	Tynemouth	1023.3	40	NNW	2	om	1013.9	-3	37	+3	SE	3	-	om	3	-	43	34	bc.m	om	om	0.8
	Spurn Head	1023.7	40	NE	1	ov	1015.7	-3	38	0	SSE	3	-	cmx	2	-	44	33	c	c.o	b.bcmx	0.8
	Yarmouth (Gorleston)	1023.3	41	NNE	1	c	1017.4	-6	36	-2	-	0	-	bcx	2	2	44	32	bcq.p.c	c	bmbx	2.6
	Clacton-on-Sea	1023.9	42	NW	3	o	1017.5	-4	34	-1	E	1	S	cmx	1	-	46	30	bc.c	cog	ogmx	3.9
	Nottingham	1024.4	36	SSW	2	or	1014.6	*	34	+3	SE	3	SE	sr	*	1	44	30	c.om	omr	ro	0.0
	Benson (Oxon.)	1025.1	36	SSW	1	r	1014.1	-5	36	+7	SE	4	-	r	*	5	45	28	b.o	o	rs	*
	St. Farnborough	*	*	ESE	1	ors	1015.6	-5	37	+6	SSE	4	-	of	*	5	47	30	bm.og	o.or.rs	r	2.9
	London (Kew Obsv.)	1025.0	40	W	1	om	1016.3	-5	35	+1	SE	1	-	om	*	1	46	33	bc.c.og	oy.od.o	a.onom	3.2
	Isafjord	1016.2	38	E	9	o	1021.2	+3	36	+3	E	2	-	bc	*	*	*	*	*	*	*	*
	Reykjavik	1012.8	38	E	2	bc	1015.8	0	36	-1	E	3	-	c	*	*	*	*	*	*	*	*
	Vestmanna	1013.3	36	S	1	c	1014.1	0	36	-2	NE	7	-	o	3	*	*	*	*	*	*	*
	Seydisfjord	1026.0	34	NE	6	o	1025.6	+1	33	-1	NE	8	-	s	*	*	*	*	*	*	*	*
	Thorshavn	1025.0	40	SE	5	o	1018.7	-3	39	+2	ESE	6	-	o	*	*	*	*	*	*	*	*
	Spitsbergen	1030.9	-16	SE	1	b	1031.9	0	-4	-9	SE	1	*	b	*	*	*	*	*	*	*	*
	Vardo	1018.3	25	NNE	7	s	1012.0	0	25	+4	NE	5	-	s	5	*	25	21	*	*	*	*
	Gjesvaer	1021.9	27	N	4	o	1017.5	*	27	0	N	7	-	o	4	3	27	23	*	*	*	*
Bodo	1027.7	32	N	4	c	1021.0	-3	32	0	N	4	-	bc	2	-	32	27	*	*	*	*	
Christiansund	1029.6	34	-	0	c	1024.7	-3	32	0	WNW	3	-	o	3	-	34	28	*	*	*	*	
Skudesnaes	1025.6	30	-	0	c	1024.3	-3	32	f2	E	4	-	b	2	-	39	28	*	*	*	*	
Ferdier (Xania Fjord)	1025.5	30	NNE	3	b	1025.6	0	26	-5	N	3	-	b	1	-	30	25	*	*	*	*	
FRANCE, &c.	Haparanda	1021.3	18	N	2	c	1016.7	-3	23	+5	NW	4	-	o	0	-	23	10	*	*	*	*
	Hernösand	1024.3	25	N	6	o	1022.3	-1	23	0	-	0	-	c	0	-	28	18	*	*	*	*
	Stockholm	1021.6	23	N	4	bc	1023.0	+1	19	-4	-	0	-	b	0	trace	28	16	*	*	*	*
	Wisby	1018.9	27	NW	8	bc	1021.1	+1	23	-4	NNE	2	-	o	3	1	28	19	*	*	*	*
	Karlstad	1025.0	27	-	0	bc	1025.2	0	19	-2	-	0	-	c	*	-	28	14	*	*	*	*
	The Scaw (Skagen)																					
	Blaavands Huk	1021.7	32	ENE	2	o	1024.6	+1	25	-7	E	2	-	b	*	trace	43	19	*	*	*	*
	Copenhagen	1019.9	34	WSW	2	o	1022.9	+1	27	-7	ESE	6	-	b	*	trace	36	23	*	*	*	*
	Bornholm																					
	The Helder	1021.7	39	W	2	c	1017.5	-1	37	-2	NE	1	-	c	1	1	43	37	*	*	*	*
	Brussels																					
	Coblentz	1021.9	36	NW	2	o	1019.8	-2	30	-2	SW	1	-	o	*	-	?	?	*	*	*	*
	C. Gris Nez	1024.6	?	W	2	o	1018.1	-6	36	-5	SE	1	-	b	1	trace	46	34	*	*	*	*
	La Hève	1026.1	41	NW	3	o	1017.5	-6	34	?	SE	4	-	c	2	3	46	34	*	*	*	*
	Cherbourg																					
	Brest (St. Mathien)	1026.0	48	NW	5	f	1016.2	-5	48	+5	WNW	4	-	o	3	6	52	43	*	*	*	*
	Rennes	1028.2	43	-	0	r	1016.7	-3	37	?	SE	2	-	r	?	6	?	?	*	*	*	*
	Rocheport (de l'Air)	1027.5	46	NW	5	o								*	*	*	*	*	*	*	*	*
	Biarritz	1029.9	48	NNW	3	c	1021.0															



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 937.

THURSDAY, 20<sup>th</sup> MARCH, 1919.



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

STATIONS.	EVENING OF 18 <sup>th</sup>					MORNING OF 19 <sup>th</sup>					AFTERNOON OF 19 <sup>th</sup>				
	Barom. M.S.L.	Temp. F.	Wind Direc.	Force 0-12	Weather	Barom. M.S.L.	Temp. F.	Wind Direc.	Force 0-12	Weather	Barom. M.S.L.	Temp. F.	Wind Direc.	Force 0-12	Weather
<b>RUSSIA.</b>															
Sviatonos ...															
Kandalatska ...						1016.3	+4	12	?	N	+	C	*	*	*
Archangel ...						1008.0	-1	-11	+9	N	2	O	*	*	*
Soroka ...						1010.6	*	9	?	WNW	2	O	*	*	*
<b>MEDITERRANEAN.</b>															
Algiers ...	1019.4	52	WSW	4	O	1020.6	0	46	0	W	4	D	7	57	+1
Malta ...	*	*	*	*	*	1005.1	+3	55	?	WNW	4	D	10	59	48
Salonica ...															
Athens ...															
Candia ...															
Limassol ...	*	*	*	*	*	1015.0	+1	59	+2	WNW	2	b	-	66	53
Alexandria ...															
Cairo (Helwan) ...															
<b>ITALY.</b>															
Venice ...	1012.6	43	E	1	bc	1011.5	*	41	-2	-	0	0	-	48	39
Turin ...															
Leghorn ...	1008.9	46	NE	3	O	1008.9	*	43	-3	NE	2	O	-	48	41
Rome ...	1005.5	45	NE	2	P	1003.7	*	41	-5	-	0	P	18	54	+1
Viesti ...	1004.6	50	W	1	C	1024.6	*	46	-4	WNW	2	P	2	54	*
Brindisi ...															
Cagliari ...	1008.3	52	NW	5	C	1007.4	*	50	0	NW	5	O	6	61	43
Palermo ...	1007.1	50	-	0	C	1005.7	*	50	+2	SSW	4	O	-	54	41
Tripoli ...															

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

MARCH 20 <sup>th</sup> & 21 <sup>st</sup> 1919.		Sunrise	Noon	Sunset
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...		5.58	12.1	6.3
Greenwich ...		5.56	12.0	6.7
Wick ...		6.3	12.7	6.1
Valencia ...		6.18	12.20	6.21
		6.16	12.19	6.2
		6.46	12.49	6.51
		6.44	12.48	6.52

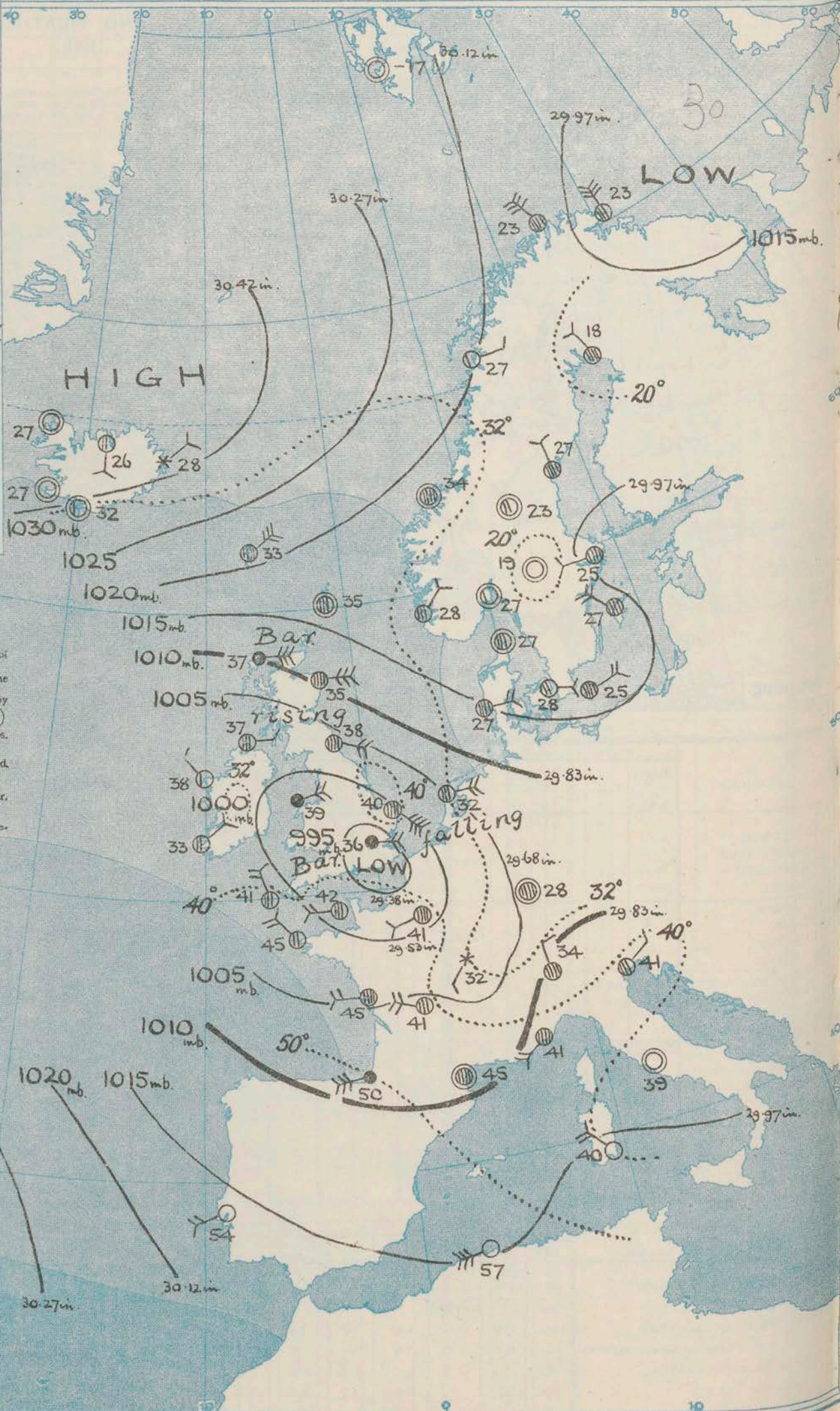
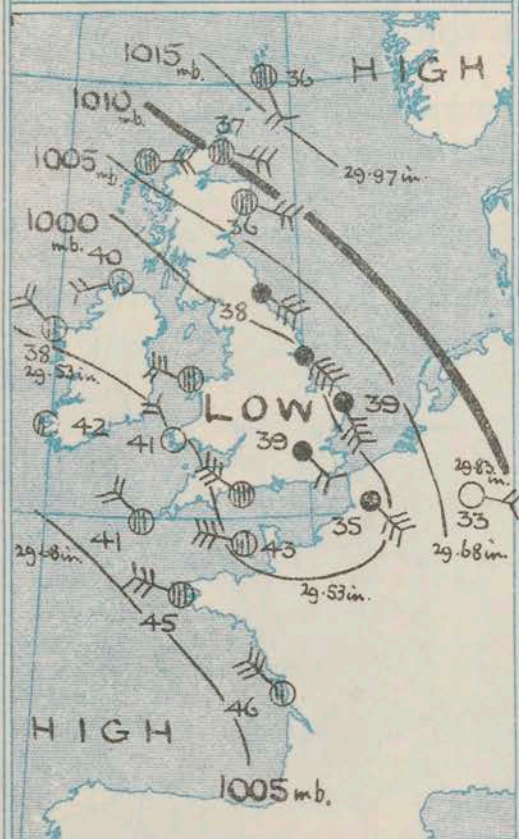
LONDON		HUMIDITY.		Sun-shine for 24 hours	TEMPERATURE.			Rain-fall.	WEATHER.		
March 20 <sup>th</sup> 9h. G.M.T.		15 h.	9 h.		Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory) ...		90	95	0.0	42	34	33	8	OP	OP	OPS
CITY (Bunhill Row) ...		*	*	0.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ...		100	99	0.0	40	36	36	16	*	*	*
" (Roof of Admiralty Arch) ...		92	98	0.0	49	41	*	16	OPm	OPm	OPm
CAMDEN SQ. (British Rainfall) ...		100	100	0.0	40	34	34	22	OP	OP	*
KENSINGTON PALACE ...		*	96	*	39	35	34	20	OP	OP	*
ST. JAMES'S PARK ...		*	*	0.0	*	*	*	*	*	*	*

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.
239	5.5	14



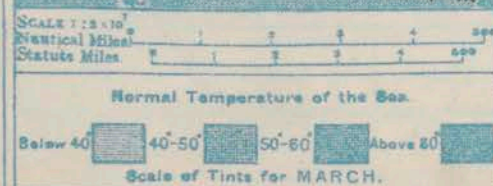
20<sup>TH</sup> MAR, at 1h. G.M.T.

THE MORNING OF THURSDAY, 20<sup>TH</sup> MARCH, 1919 at 7h. G.M.T.

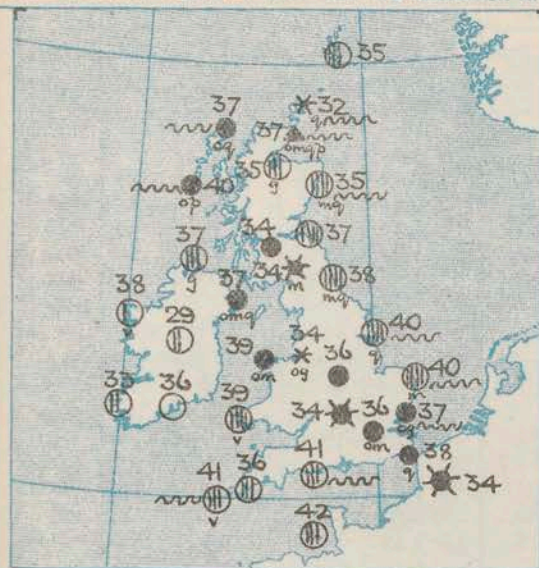


# EXPLANATION.

**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. K, thunderstorm.  
**SEA DISTURBANCE.**—Rough High







## NOTES.

## HOUTON

ESE. 9 @ 18h. (19%)  
ESE 8 @ 1h. (20%)

## DUNGENESS

Gale from S. 19 to  
24 h. (19%)

## SPURN HEAD.

SE. 8 @ 1h. (20%)

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

Except in the west of Ireland and locally on the east coast of Great Britain, the day was dull and wet. 20 mm. or more rain and sleet were measured at Castlebay, Donaghadee, Liverpool, Nottingham, London and South Farnborough, the precipitation exceeding 30 mm. at the first-named station. 6 hours of sunshine were enjoyed in SW. Ireland and nearly 5 hours at Yarmouth, little or none elsewhere. Air temperature was generally low, failing to reach 40° at many stations.

## The Conditions at 7h. Today

The depression which was over North Ireland yesterday morning, has divided into two portions of which one is now centred over SE. England, while the other has filled up. The wind circulation is strongest to east and north of the centre, the South-Easterly winds over the North Sea reaching the force of a strong breeze. Rain or snow is falling over the greater part of Scotland and England and also in many parts of France. Air temperature is below 40° at most of the Western European stations.

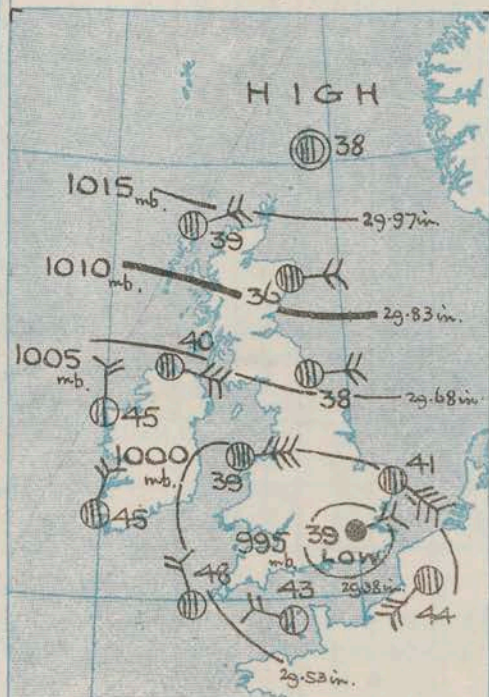
## The Outlook

The depression over SE. England will probable move slowly eastward and there is at present no indication of fresh disturbances affecting our western coasts. The Easterly winds blowing over our Northern and Eastern districts will maintain temperature below the normal for the season. Some improvement in weather spreading from westward may be anticipated but on the whole conditions are likely to continue generally unsettled.

E.S.B.

THURSDAY, 20<sup>TH</sup>

MARCH, 1919, at 13h. (1p.m.) G.M.T.



The centre of the depression has hardly changed its position since this morning.



STATIONS.	EVENING OF...19 <sup>th</sup> ...					MORNING OF...20 <sup>th</sup> ...					24 HOURS ENDED 7 A.M. 20 <sup>th</sup> ...										Sun- shine for 19 <sup>th</sup> Hours.																																												
	Barom. Milli- bars at M.S.L.	Temp.	Wind.		Weather.	Barometer. 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 ...	1017.6	36	SSE	5	omg	1016.1	-1	35	-1	-	0	-	c	2	-	39	33	c	cp	c	*																																											
	Houton B. (Orkney) ...	1009.9	38	ESE	9	o	1013.8	+2	32	-3	E	6	*	sq	5	*	39	32	op	oprs	ops	*																																											
	Stornoway ...	1002.8	38	E	6	opg	1010.4	+5	37	0	E	6	-	cp	5	5	39	36	opg	opg	opg	0.0																																											
	Castledyke (Barra) ...	997.3	38	E	5	p	1004.9	+5	40	+3	E	5	-	op	6	31	41	35	p	rst	rd. op	0.0																																											
	Glasgow ...	1000.2	35	E	4	od	1004.7	+3	34	+1	ENE	4	-	p	*	18	36	32	s	sd	d. op	0.0																																											
	Esksdalemuir ...	1000.7	32	SE	7	osm	1004.0	+2	34	+2	ENE	6	-	opsm	*	6	36	31	usm	op. osm	osm	0.0																																											
	Malin Head ...	1001.1	40	NW	6	bcgph	1000.8	+1	38	-2	NW	1	-	cg	2	3	43	35	omd	bcgph	cp	0.2																																											
	Blacksod Point ...	1006.2	43	NW	5	b	1001.5	-1	33	-11	NE	2	-	bc	4	2	46	33	bcg	bcgph	cp	6.1																																											
	Roche's Point ...	1003.8	43	NW	4	b	1001.9	0	36	-9	NW	2	-	b	2	0.3	49	34	c	cp	bx	*																																											
	Birr Castle ...	1002.1	41	NW	2	c	1000.9	*	29	-20	W	1	-	bc	*	1	49	29	op. cp	cp	bcz	3.9																																											
	Donaghadee ...	996.4	41	WNW	4	opm	1000.7	+2	37	-4	ESE	4	-	omp	4	23	46	33	op. op	om. om	bc. om	*																																											
	Liverpool (Bidston) ...	999.4	35	SE	3	p	998.4	-1	34	0	ESE	3	-	opg	2	22	37	32	p	op	ops	0.0																																											
	Holyhead ...	998.6	43	WNW	5	cg	998.0	-1	39	-4	ENE	4	-	opm	3	11	45	38	opm	opm. o. c	cp. om	0.0																																											
	Pembroke (St. Ann's) ...	1001.2	44	WNW	3	c	999.1	-2	39	-7	WNW	3	-	op	4	5	46	38	op. om	o. cp. c	bc. c	0.6																																											
	Scilly (St. Mary's) ...	1004.6	45	NW	7	c	1001.4	-2	41	-7	NNW	3	NW	cv	5	5	49	38	om. op	op. cp	cp. cv	0.6																																											
	Falmouth ...	1002.2	44	NW	7	cp	1000.2	-1	36	-12	NNW	2	-	c	*	6	49	36	od. m	od. m	bc. ph	0.3																																											
	Jersey (St. Aubin) ...	1001.1	45	SW	4	op	999.1	0	42	+1	W	3	W	c	3	15	46	39	op	op	op. o. c	0.0																																											
	Portland Bill ...	998.4	45	SSE	6	op	996.1	0	41	0	NW	5	NW	c	5	10	46	40	op	op	o. cp	*																																											
	Dungeness ...	1004.5	41	S	6	p	993.9	-3	38	-2	SSE	6	S	p	5	6	44	37	cg	cg	gc. q	*																																											
	NORTHERN EUROPE, ICELAND, &c.	Wick ...	1009.4	37	SE	6	omg	1012.6	+2	37	-1	ESE	5	-	omgph	5	-	39	35	comg	omg	omgph	*																																										
Nairn ...		1004.8	36	SE	3	p	1010.4	*	35	-3	ESE	3	-	cg	3	0.4	38	34	cg	cg	q. o	0.0																																											
Aberdeen ...		1005.3	38	ESE	7	op	1010.9	+2	35	-4	E	6	-	omg	5	-	39	35	op	op	om	0.0																																											
Leith ...		1002.1	37	SE	5	p	1005.7	+1	37	+1	E	4	-	o	4	2	37	35	dmors	od. o	do. uo	*																																											
Tynemouth ...		1003.4	38	SE	6	mqr	1004.0	+1	38	+1	ESE	4	-	omg	4	5	38	36	omqr	omqr	omqr	*																																											
Spurn Head ...		1004.0	39	SE	7	op	1000.0	0	40	+2	ESE	7	-	op	6	7	40	35	op	op	op	0.0																																											
Yarmouth (Gorleston) ...		1007.7	40	SSE	7	o	1000.4	-3	40	+4	SE	7	-	om	6	-	42	39	bc. c	o. c	om. to	4.7																																											
Clacton-on-Sea ...		1006.3	42	SSE	5	p	997.3	?	37	+3	ESE	6	-	op	5	4	43	33	c. om	om. o	op. p	3.5																																											
Nottingham ...		1002.1	36	SE	4	op	997.9	*	36	+2	E	4	E	op	*	21	37	33	st	p	p	0.0																																											
Benson (Oxon.) ...		1000.4	38	SE	5	p	993.7	-2	34	-2	NE	2	-	ps	*	18	39	34	p	p	ps	*																																											
St. Farnborough ...		1001.3	40	SE	4	opm	993.3	-1	33	-4	NE	2	-	osm	*	20	40	33	opm	opm	opsm	0.0																																											
London (Kew Obsv.) ...		1002.9	39	S	3	op	993.9	-1	36	+1	E	4	-	opm	*	15	40	35	omop	op	op. m	0.0																																											
Isafjord ...		1028.4	37	E	5	c	1030.3	-1	27	-9	-	0	-	b	*	*	*	*	*	THE BEAUFORT SCALE OF WIND FORCE.  Limits of Velocity. <table><tr><th>No.</th><th>Statute miles per hour.</th><th>Metres per second.</th></tr><tr><td>0</td><td>Less than 1</td><td>Less than 0.3</td></tr><tr><td>1</td><td>1-3</td><td>0.3-1.5</td></tr><tr><td>2</td><td>4-7</td><td>1.5-3.8</td></tr><tr><td>3</td><td>8-12</td><td>3.4-5.4</td></tr><tr><td>4</td><td>13-18</td><td>5.5-7.9</td></tr><tr><td>5</td><td>19-24</td><td>8.0-10.7</td></tr><tr><td>6</td><td>25-31</td><td>10.8-13.8</td></tr><tr><td>7</td><td>32-38</td><td>13.9-17.1</td></tr><tr><td>8</td><td>39-46</td><td>17.2-20.7</td></tr><tr><td>9</td><td>47-54</td><td>20.8-24.4</td></tr><tr><td>10</td><td>55-63</td><td>24.5-28.4</td></tr><tr><td>11</td><td>64-75</td><td>28.5-33.5</td></tr><tr><td>12</td><td>Above 76</td><td>33.6 or above</td></tr></table>				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	1.5-3.8	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 76	33.6 or above
		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	1.5-3.8																																																													
		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 76	33.6 or above																																																															
Reykjavik ...	1023.9	37	E	4	c	1030.4	+1	27	-9	-	0	-	b	*	*	*	*																																																
Vestmanna ...	1020.7	37	E	8	c	1029.6	+2	32	-4	-	0	-	b	3	*	*	*																																																
Seydisfjord ...	1030.7	32	NE	2	s	1032.2	-1	28	-5	NE	2	-	s	*	*	*	*																																																
Thorshavn ...	1018.4	36	ESE	5	o	1020.3	0	33	-6	NE	5	-	o	*	*	*	*																																																
Spitsbergen ...	1029.7	-18	SE	1	b	1022.0	-4	-17	-13	-	0	*	b	*	*	-4	-20																																																
Vardö ...	1017.2	23	N	6	s	1013.0	-3	23	-2	N	6	-	c	5	*	25	23																																																
Gjesvær ...	1020.3	25	N	6	o	1018.1	*	23	-4	?	6	-	c	4	6	27	21																																																
Bodö ...	1018.7	28	N	1	c	1020.2	0	27	-5	E	1	-	b	1	-	34	27																																																
Christiansund ...	1020.3	32	W	3	s	1017.6	-1	34	+2	-	0	-	o	3	5	34	30																																																
Skudesnaes ...	1019.3	30	-	0	b	1016.2	-1	28	-4	NE	2	-	c	2	-	36	25																																																
Færder (Xianla Fjord) ...	1019.4	28	WSW	1	b	1016.3	-1	27	+2	-	0	-	b	0	-	28	25																																																
Haparanda ...	1000.7	23	N	2	o	1018.3	+2	18	-5	NNW	2	-	o	0	Trace	28	16																																																
	Hernösand ...	1016.8	28	-	0	bc	1017.2	+1	27	+4	N	2	-	o	0	-	30	23																																															
	Stockholm ...	1019.7	25	WSW	2	o	1014.3	-2	25	+6	W	2	-	o	0	-	25	19																																															
	Wisby ...	1020.0	21	N	1	b	1015.8	-1	27	+4	NW	4	-	o	4	-	27	16																																															
Karlstad ...	1020.4	27	-	0	b	1016.8	-3	19	0	-	0	-	b	*	-	32	19																																																
The Scaw (Skagen) ...	1020.6	28	NNW	1	b	1016.6	-1	27	?	-	0	-	c	-	-	32	21																																																
	Blaavands Huk ...	1018.9	27	ESE	2	b	1014.7	-1	27	+2	E	3	-	o	*	Trace	34	19																																															
	Copenhagen ...	1023.1	28	ESE	4	bc	1016.8	-1	28	+1	ESE	2	-	bc	*	-	28	25																																															
	Bornholm ...	1019.1	27	E	4	o	1015.9	-1	25	?	ENE	3	-	o	0	1	27	21																																															
FRANCE, &c.	The Helder ...	1011.5	37	E	2	c	1005.1	-1	32	-5	E	4	-	c	2	1	39	32	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.																																														
	Brussels ...	1011.0	41	SSE	?	b	1006.3	-4	28	-2	SE	1	-	o	*	-	*	*																																															
	Coblentz ...	1013.9	39	SE	1	b	1006.3	-4	28	-2	SE	1	-	o	*	-	*	*																																															
	C. Gris Nez ...	1006.3	?	S	4	p	996.6	-5	32	-4	ESE	4	-	s	3	3	46	32																																															
	La Hève ...	?	?	?	?	?	997.0	-4	32	-2	W	4	-	s	3	3	46	32																																															
	Cherbourg ...	?	?	?	?	?	998.0	0	41	?	W	5	-	bc	4	9	45	41																																															
	Brest (St. Mathieu) ...	1005.0	39	NW	5	c	1001.9	-2	45	-3	NW	3	-	bc	4	7	50	39																																															
	Rennes ...	1002.9	46	SSE	3	p	1001.7	0	36	-1	W	2	-	bc	?	3	46	36																																															
	Rochefort (M. d'Als) ...	?	48	WSW	5	p	1004.6	0	45	?	W	3	-	o	*	18	50	45																																															
	Biarritz ...	1014.7	52	WSW	5	p	1008.7	-2	50	0	WSW	6	-	p	5	6	52	46																																															
	Paris ...	1009.3	43	S	2	o	999.1	+1	41	+9	WSW	2	-	o	*	5	46	32																																															
	Strasbourg ...	1013.7	41	ESE	1	b	1005.6	-4	28	?	-	0	-	o	*	?	?	?																																															
Besancon ...	?	?	?	?	?	1003.4	?	32	+2	SW	1	NW	s	*	3	45	30																																																
Clermont ...	1011.8	39	S	2	o	1005.2	+7	41	+9	WNW	4	-	c	*	-	46	32																																																
Limoges ...	1011.8	?	SSW	1	p	1006.1	*	37	+3	WSW	2	-	c	*	12	45	34																																																
Nice ...	1011.1	43	W	3	b	1010.9	0	41	?	WSW	3	-	o	4	-	54	36																																																
Sicie ...	1009.5	43	W	3	m	1009.0	0	39	+2	-	0	-	p	4	1	52	37																																																
Perpignan ...	1013.5	48	NNW	2	c	1009.5	+1	45	+6	-	0	-	o	?	-	50	39																																																
IBERIA, &c.	Coronna ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?																																															
	Madrid ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?																																															
	Lisbon ...	1025.6	55	?	3	bc	1015.4	-2	54	?	WSW	3	-	o	5	-	61	54																																															
	Azores (Horta) ...	1034.0	*	SSE	4	o	1031.7	+1	59	+4	SSE	5	*	c	4	-	63	55																																															
„ (P. Delgada) ...	1033.9	*	S	1	c	?	?	?	?	?	?	?	?	?	?	?	?	?																																															
Madeira ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?																																															
Gibraltar ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?																																															

\* Information for these columns not usually received.

† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.

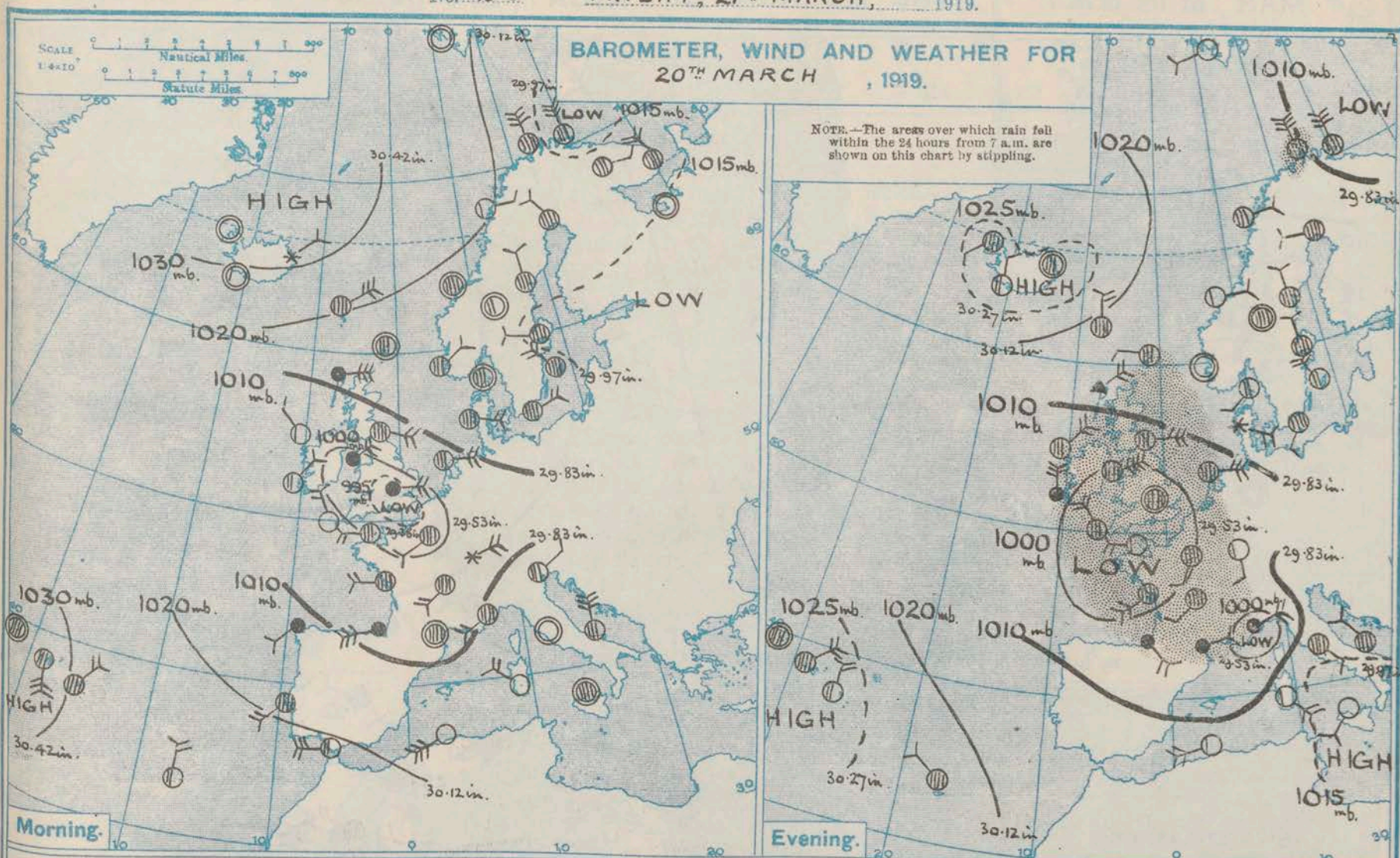


# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,938

FRIDAY, 21<sup>ST</sup> MARCH, 1919.

1919.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 20<sup>TH</sup> MARCH

STATIONS.		EVENING OF 19 <sup>th</sup> .....					MORNING OF 20 <sup>th</sup> .....										AFTERNOON 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.	
				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.	Sviatonos ...							*						*	*			* F.	* F.				
	Kandalatska ...							*						*	*			* F.	* F.				
	Archangel ...						1014.6	+3	-18	-7	NNE	2	b	*	*								
	Soroka ...													*	*								
MEDITERRANEAN.	Algiers ...	1018.1	55	WNW	4	b	1014.9	?	57	+11	WSW	6	b	4	59	46							
	Malta ...	*	*	*	*	*																	
	Salonica ...																						
	Athens ...																						
	Candia ...																						
	Limassol ...	*	*	*	*	*	1015.9	0	61	+2	WNW	2	c	-	68	50							
	Alexandria ...																						
	Cairo (Helwan) ...																						
ITALY.	Venice ...	1011.9	45	E	1	o	1012.7	*	41	0	ENE	1	c	-	50	37	21 <sup>st</sup> & 22 <sup>nd</sup> March 1919.			Sunrise.	Noon.	Sunset.	
	Turin ...						1012.7	*	37	-6	NE	2	o	-	50	36							
	Leghorn ...	1010.7	46	NE	3	b	1012.7	*	37	-6	NE	2	o	-	50	36							
	Rome ...	1007.3	43	N	2	b	1013.5	*	39	-2	-	0	b	3	48	37							
	Viesti ...	1004.5	52	NW	1	o	1009.3	*	46	0	N	6	c	12	52	*							
	Brindisi ...							*															
	Cagliari ...	1007.5	50	NW	5	o	1015.7	*	40	-10	NW	3	b	-	61	40							
	Palermo ...	1006.1	46	W	2	b	1016.2	*	57	+7	-	0	o	12	57	37							
	Tripoli ...							*															

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

21 <sup>ST</sup> & 22 <sup>ND</sup> MARCH 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	5.56	12.0	6.4
Greenwich	...	5.54	12.0	6.4
Wick	...	6.1	12.7	6.11
Valencia	...	6.16	12.19	6.23
	...	6.13	12.19	6.25
	...	6.44	12.48	6.52
	...	6.42	12.48	6.54

LONDON		Humidity.		Sunshine for		24 HOURS ENDED 9 h. 21 <sup>ST</sup>				WEATHER.		
21 <sup>ST</sup> March.	9h. G.M.T.	15 h.	9 h.	20 <sup>TH</sup>	21 <sup>ST</sup>	Max.	Min.	Min. on Grass.	Rain-fall.	Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)	...	91	84	0.0	40	31	23	1	0r.	od	d.c. b.c.	
CITY (Bunhill Row)	...	*	*	0.0	*	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	...	91	88	0.0	42	38	30	2	*	*	*	*
(Roof of Admiralty Arch)	...	91	85	0.0	42	36	*	Trace	0r.m	om	b.c.m	
CAMDEN SQ. (British Rainfall)	...	99	88	0.0	41	30	30	2	os.od	o.	*	*
KENSINGTON PALACE	...	*	84	*	42	33	25	1	od	od	*	*
RICHMOND PARK	...	*	*	*	*	*	*	*	*	*	*	*

### SOUTH KENSINGTON (M.O.)

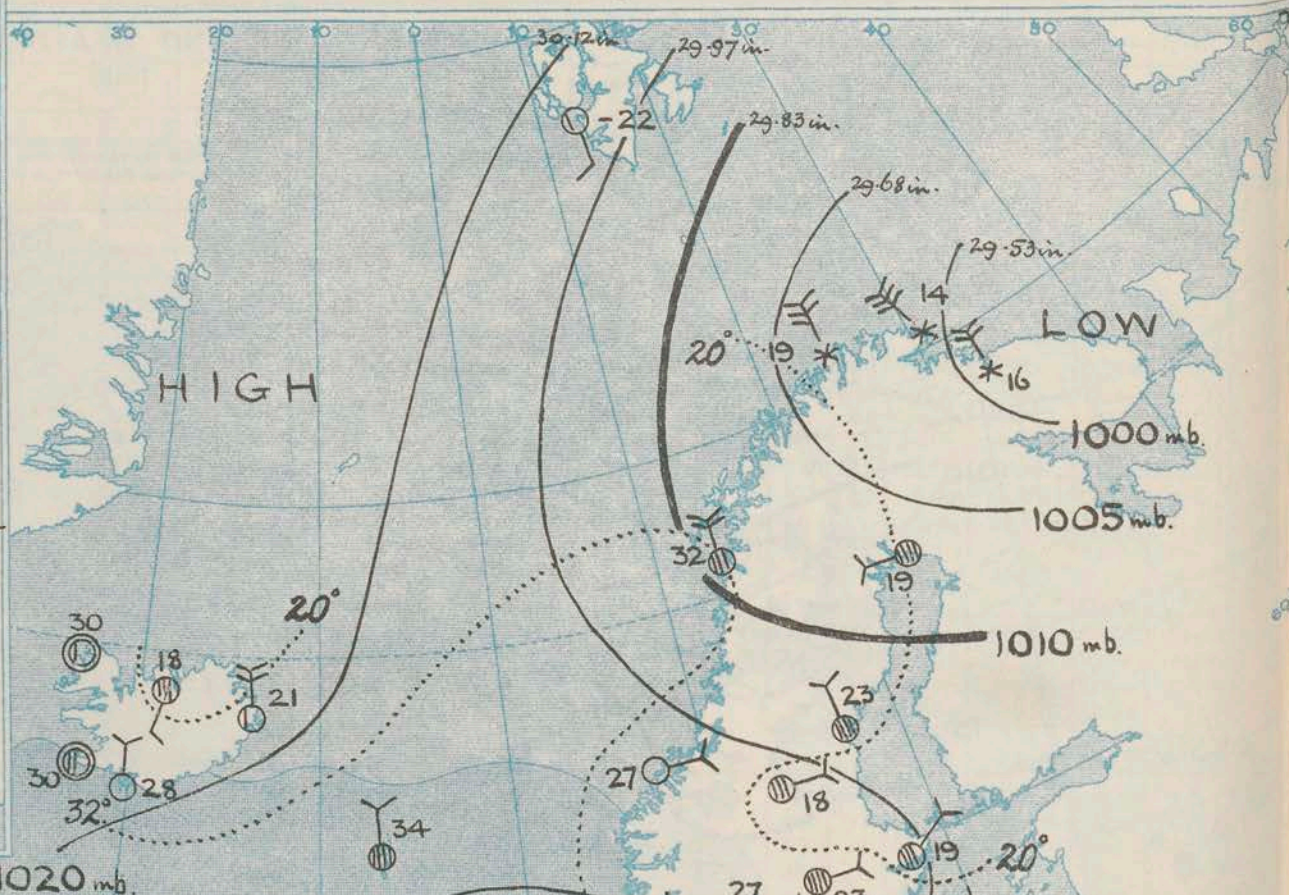
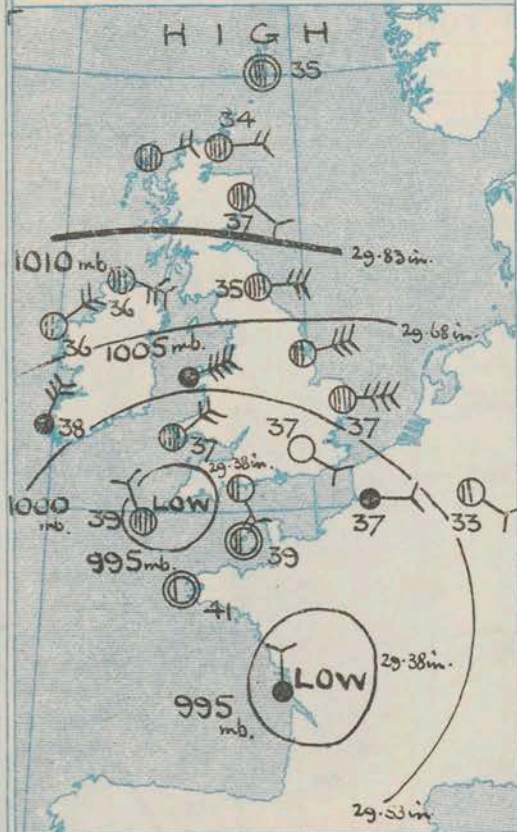
Vertical Component of Solar Radiation per square Centimetre during 20<sup>TH</sup>...

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
31	2.1	6



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

THE MORNING OF FRIDAY, 21<sup>ST</sup> MARCH, 1919 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.

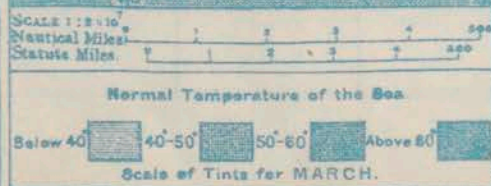
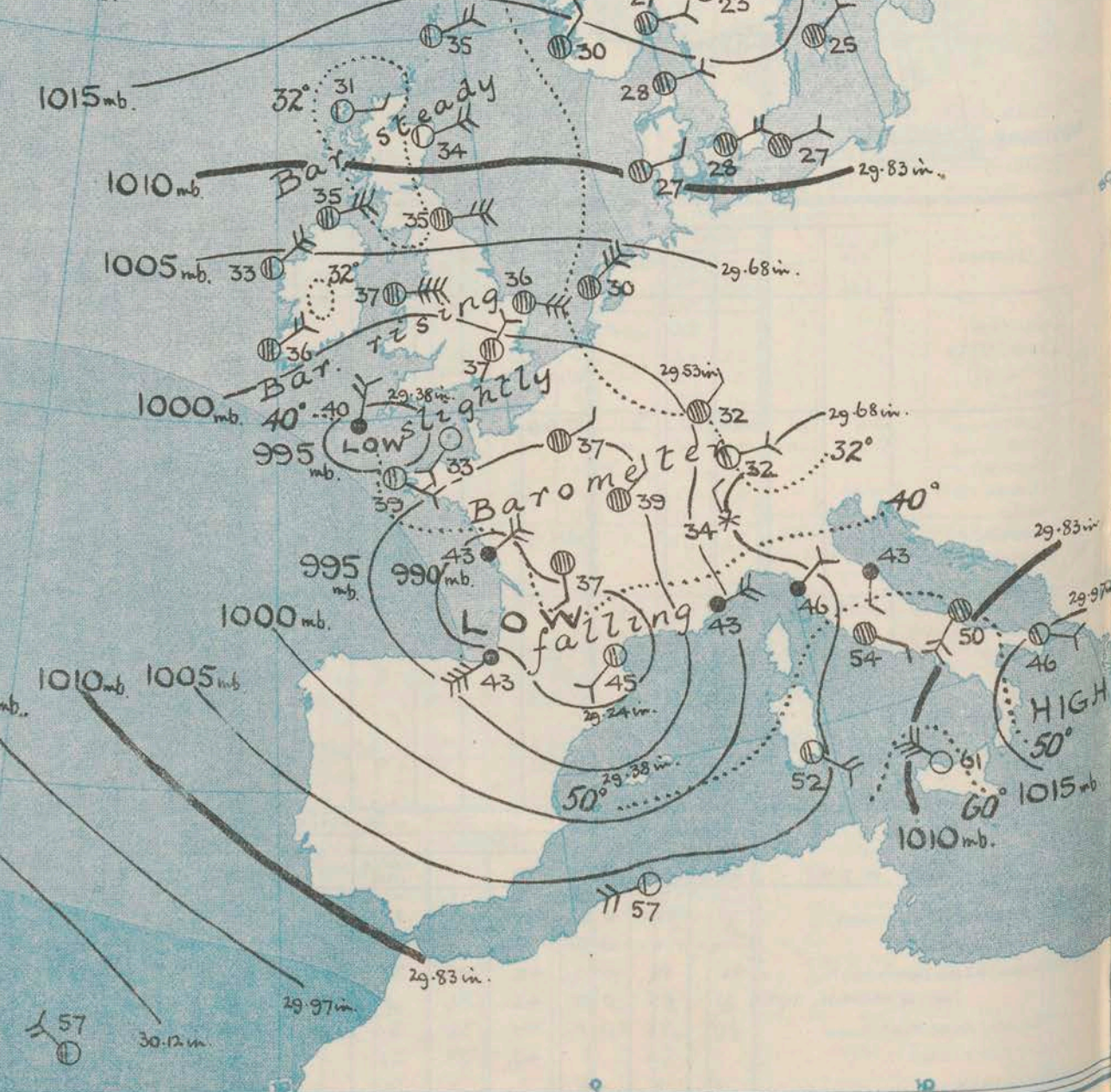
**WEATHER.**—Shown by the following symbols:—

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

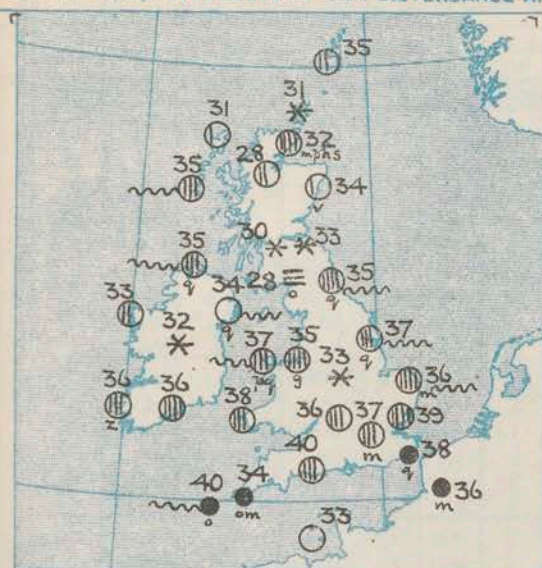
○ sky & clouded. ○ overcast sky. ● rain falling.

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

W, thunderstorm. SEA DISTURBANCE.—Rough ~~~~~ High ~~~~~.







## NOTES.

HOLYHEAD

Gale ENE, 8 to 18h.

(20th)

ENE, 8 to 1h (2nd)

E, 8 to 7h (-)

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

The Easterly winds maintained cold weather in all districts, the maximum for the day being as low as 37° at Benson (Oxon) and 35° at Eskdalemuir, Dumfriesshire. Rain or snow in amounts up to 8 mm. fell at nearly all stations and the south-west was the only area to register any large amounts of sunshine, the highest record being 7.6 hours at Valencia.

The Conditions at 7h. Today

Pressure is lowest over Southern France and a subsidiary centre of low pressure is seen over the Mouth of the English Channel. The barometer remains relatively high at Iceland and the Azores, but a marked fall has occurred since yesterday at both localities. Winds are mainly from NE-E over the British Isles, the force varying from a light air in the north of Scotland to a gale at Holyhead. Rain is falling at many of the stations in the English Channel, while snow is reported in various parts of our area. Temperature continues low, none of our stations returning a reading above 40° F.

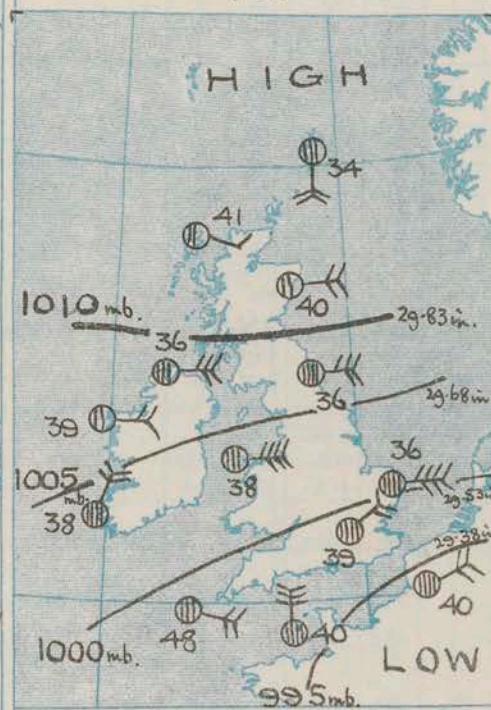
The Outlook

The depression in the south of France is growing deeper but there are no indications of any important development over the British Isles. The Easterly winds will maintain cold weather and local rain or snow is probable in all districts.

E.S.B.

FRIDAY, 21<sup>ST</sup>

MARCH, 1919, at 13h. (1p.m.) G.M.T.



The depression which was over the Mouth of the Channel this morning has combined with the main low over France. Otherwise little change has occurred.

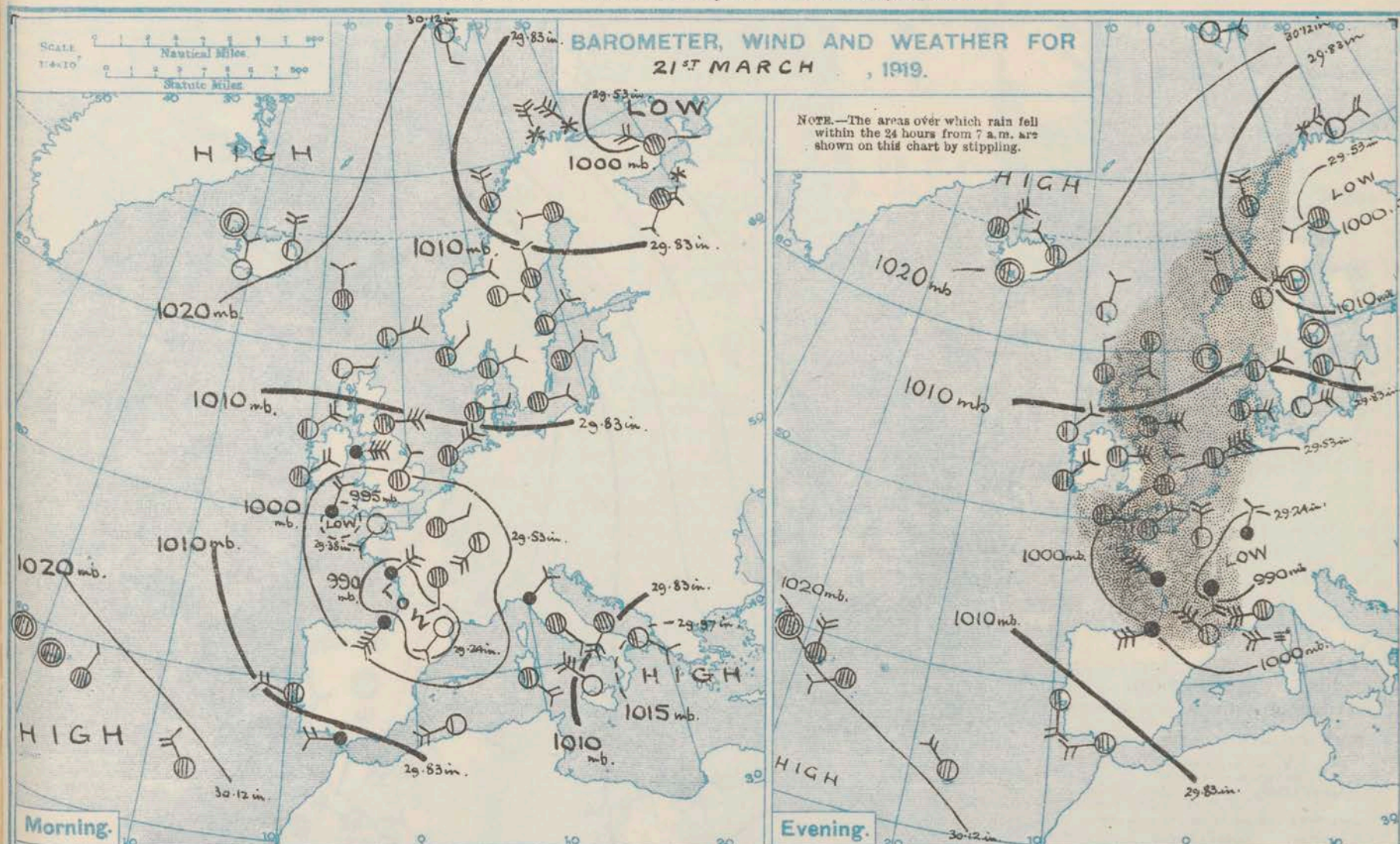


STATIONS.		EVENING OF...20 <sup>th</sup> ...					MORNING OF...21 <sup>st</sup> ...										24 HOURS ENDED 7 h. 21 <sup>st</sup> ...					Sun- shining for 20 <sup>th</sup> Hours.
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-3.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon	Night.	
BRITISH ISLANDS.	Lerwick ...	1015.3	36	W	1	cm	1014.0	0	35	0	ENE	3		bc	2	1	41	32	cm	cmph	c	*
	Houton B. (Orkney) ...	1015.2	30	ENE	4	c	1014.7	-1	31	-1	N	1	*	s	2	*	37	30	cps	c. ops	c. os	*
	Stornoway ...	1013.2	34	ENE	4	cpht	1013.5	0	31	-6	E	1	-	b	4	-	40	30	c	cpht	bcphb	1.4
	Castlebay (Barra Isd.) ...	1009.9	39	NE	3	o	1011.1	0	35	-5	E	4	-	c	5	0.3	40	35	opo	o	ospsa	0.5
	Glasgow ...	1008.7	34	ENE	3	bc	1009.7	0	30	-4	NE	2	-	s	*	1	37	28	ops	ops	csp	1.3
	Eskdalemuir ...	1007.5	31	ENE	5	ops	1008.4	+1	28	-6	NE	4	-	o	*	0.3	35	27	ops	ops	osps	0.2
	Malin Head ...	1006.2	38	ESE	5	cmq	1007.1	0	35	-2	ENE	5	E	cq	5	1	40	33	cq	cmq	cq	0.5
	Blackrod Point ...	1004.0	41	NE	4	cgz	1004.7	0	33	-5	NE	4	NE	bc	3	1	45	31	bc	bc	bc. bc	*
	Valencia (Cahirciveen) ...	1001.9	40	N	5	op	1004.1	+2	36	+3	NE	3	-	cx	3	2	46	33	b. bc	c. op	r. o. cz	7.6
	Roche's Point ...	999.3	39	NNE	4	r	1000.8	0	36	0	NNE	5	-	o	4	4	46	36	b. bc. o	or	r. b. ro	*
	Birr Castle ...	1002.0	37	NE	1	r	1003.7	*	32	+3	N	1	-	s	*	2	42	29	c. or	or	od. os	0.7
	Donaghadee ...	1004.5	38	E	5	cgm	1006.4	+1	34	-3	E	5	E	bcq	5	1	41	32	omr	ogm	om. bc	*
	Liverpool (Bidston) ...	1000.2	37	ENE	4	o	1002.5	+2	35	+1	ENE	4	SE	og	4	6	39	34	sr	or	og	0.0
	Holyhead ...	999.5	40	ENE	8	opgsm	1001.0	+1	37	-2	E	8	-	cpq	6	3	40	35	or	or	cp. opq	0.0
	Pembroke (St. Ann's) ...	996.2	37	NE	3	or	997.6	+3	38	-1	ENE	3	E	c	3	3	41	26	o. or	or. o. or	op. o	0.0
	Scilly (St. Mary's) ...	998.2	43	NW	4	c	994.3	-1	40	-1	NNE	3	N	or	5	5	49	37	cv	cv	cp. or	0.8
	Falmouth ...	996.3	41	W	4	c	995.0	+2	34	-2	NE	2	-	orm	*	4	48	33	bcq	bc. c	r. h. bc	7.5
	Jersey (St. Aubin) ...	997.2	44	W	3	b	995.2	0	33	-9	SW	2	-	b	2	0.1	48	32	c. b	b	bx	7.5
	Portland Bill ...	995.3	44	WNW	4	o	995.3	0	40	-1	E	4	-	c	4	Trace	44	39	c. o	ro	cp	*
	Dungeness ...	997.0	43	SW	4	bc	996.5	-1	38	0	NE	5	NE	rq	4	4	45	37	cq	c. bc	c. bcq	*
NORTHERN EUROPE, ICELAND, &c.	Wick ...	1014.0	36	ESE	2	opht	1013.5	0	32	-5	-	0	-	omphs	4	1	37	30	omphs	omphs	omphs	*
	Nairn ...	1012.7	34	ESE	2	c	1012.5	*	28	-7	-	0	-	bc	0	0.3	37	27	cq	bc. c	c. bc	0.5
	Aberdeen ...	1012.4	31	ENE	5	og	1012.5	0	34	-1	E	4	-	bv	4	0.4	37	33	ogsp	ogsp	ogsp. b	0.0
	Leith ...	1009.2	37	E	3	c	1009.2	0	33	-4	ENE	3	-	s	3	1	38	32	og. o. c	c. os. c	c. os. c	*
	Tynemouth ...	1006.2	35	E	5	cq	1007.1	0	35	-3	E	5	-	og	5	1	39	32	og	cphtq	ogph	*
	Spurn Head ...	1001.1	36	E	7	og	1002.5	+1	37	-3	ENE	6	-	cq	6	-	40	33	cq	c. oq	cq	0.0
	Yarmouth (Gorleston) ...	1000.2	38	SE	7	p	1001.8	+1	36	-4	ESE	6	-	om	6	8	41	36	om	om. om	op. of	0.0
	Clacton-on-Sea ...	997.5	41	S	3	c	999.1	0	39	+2	NE	4	E	o	3	2	41	36	og	g. gpc	c. bc. o	0.0
	Nottingham ...	998.6	36	NE	5	or	1002.2	*	33	-3	E	5	E	s	*	8	41	33	ro	or	rs	0.0
	Benson (Oxon.) ...	994.5	35	SSE	2	o	998.4	+3	36	+2	ENE	3	-	c	*	6	37	33	rs	rs	ad. bc	*
	Stb Farnborough ...	*	*	S	3	o	997.9	+1	35	+2	NE	2	-	om	*	4	39	28	os. sm	rs. ro	p. om	0.0
	London (Key Obsv.) ...	995.7	39	-	0	om	998.5	+2	37	+1	NE	2	-	cm	*	5	40	35	om. sm	om. om	om. om	0.0
	Isafjord ...	1026.0	33	SW	1	o	1021.5	+0	30	+3	-	0	-	b	*	*	*	*	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 1.6-5.3 3 8-12 5.4-5.4 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 28.5-33.6 12 Above 75 33.6 or above			
	Reykjavik ...	1026.9	36	-	0	b	1021.2	0	30	+3	-	0	-	bc	*	*	*	*				
	Vestmanna ...	1026.6	35	N	1	bc	1020.6	-2	28	-4	N	2	-	b	1	*	*	*				
	Seydisfjord ...	1026.9	30	-	0	c	1022.1	-2	21	-7	N	4	-	b	*	*	*	*				
	Thorshavn ...	1018.0	33	N	3	o	1016.2	-1	34	+1	N	2	-	o	*	*	*	*				
	Spitsbergen ...	1017.1	-13	WSW	2	b	1019.0	+1	-22	-5	S	1	*	b	*	*	-13	-26				
	Vardö ...	1007.1	21	N	6	o	1000.7	-1	14	-9	NNW	6	-	s	4	*	23	14				
	Gjesvær ...	1011.4	23	N	6	o	1003.8	*	19	-4	N	5	-	s	4	4	25	18				
Bodö ...	1018.1	25	E	2	c	1009.3	-5	32	+5	N	4	-	c	2	?	32	21					
Christiansund ...	1017.1	30	E	2	b	1016.4	0	27	-7	E	2	-	b	3	-	37	23					
Skudesnaes ...	1015.4	28	-	0	b	1015.0	0	30	+2	NE	1	-	c	2	-	32	25					
Færder (Xaniafjord) ...	1015.7	32	ENE	1	bc	1016.3	+0	27	0	E	2	-	c	1	-	32	27					
Haparanda ...	1015.7	9	W	2	o	1007.1	-4	19	+1	W	2	-	o	0	-	21	9					
Hernösand ...	1018.6	23	N	2	o	1014.7	-1	23	-4	N	2	-	o	0	-	28	19					
Stockholm ...	1015.7	25	N	2	o	1016.4	+1	19	-6	NE	2	-	c	0	Trace	30	16					
Wisby ...	1013.9	28	NNW	4	bc	1014.6	+1	25	-2	NE	2	-	o	1	-	30	23					
Karlstad ...	1016.4	27	-	0	c	1017.3	0	23	+4	E	2	-	o	*	-	32	16					
FRANCE, &c.	The Scaw (Skagen) ...	1014.6	28	SW	1	bc	1014.0	?	28	+1	E	2	E	c	2	-	36	25				
	Blaavands Huk ...	1013.1	27	ESE	3	s	1012.0	-1	27	0	E	1	-	c	*	Trace	32	19				
	Copenhagen ...	1014.7	28	E	2	c	1013.1	-0	28	0	E	3	-	o	*	-	28	27				
	Bornholm ...	1018.7	28	SW	1	o	1012.2	-1	27	+2	E	2	-	o	0	-	28	23				
	The Helder ...	1003.8	34	E	5	o	1001.7	0	30	-2	NE	5	-	o	3	Trace	37	30				
	Brussels ...	...	...	...	...	...	1001.0	-2	34	+6	E	1	-	o	*	-	*	*				
	Coblenz ...	1003.7	32	-	0	c	1001.0	-2	34	+6	E	1	-	o	*	-	*	*				
	C. Gris Nez ...	998.9	?	WSW	3	bc	997.5	0	34	+2	E	3	-	f	2	5	52	32				
	La Hève ...	999.0	43	NW	2	c	995.5	-4	36	+4	SE	1	S	c	1	6	45	32				
	Cherbourg ...	...	...	...	...	...	995.4	0	39	-2	N	1	-	r	2	1	48	36				
	Brest (St. Mathieu) ...	998.3	43	SW	2	b	995.9	0	39	-6	ESE	3	-	bc	4	5	46	37				
	Rennes ...	997.7	39	-	0	o	994.1	-1	36	0	ENE	3	-	o	-	?	?	?				
	Rochefort (Ile d'Aix) ...	999.4	46	SW	4	o	987.7	-3	43	-2	NE	4	-	r	*	16	52	41				
	Biarritz ...	1000.7	48	SE	3	r	990.7	-5	43	-7	SW	7	-	r	6	3	52	43				
	Paris ...	999.5	46	SSW	1	o	995.0	-3	37	-4	ENE	1	-	o	*	5	52	36				
	Strasbourg ...	1004.4	39	S	1	b	1000.4	-3	32	+4	NE	1	-	o	*	Trace	46	28				
	Besancon ...	...	...	...	...	...	994.7	?	39	+7	NE	1	SE	o	*	5	46	32				
	Clermont ...	1001.6	45	SW	1	o	990.9	-6	37	-4	S	1	-	o	*	1	52	37				
	Limoges ...	1001.6	*	SW	2	r	990.1	*	39	+2	NE	2	-	r	*	4	46	37				
	Nice ...	...	...	...	...	...	999.8	-3	43	+2	ENE	4	-	r	?	10	48	41				
IBERIA, &c.	Sicie ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
	Perpignan ...	1005.3	48	ENE	2	r	988.8	-4	45	0	SW	2	-	bc	-	Trace	57	39				
	Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
	Madrid ...	...	...																			



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,939. SATURDAY, 22<sup>ND</sup> MARCH, 1919.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 21<sup>ST</sup> MARCH

STATIONS.	EVENING OF 20 <sup>TH</sup>					MORNING OF 21 <sup>ST</sup>					AFTERNOON OF 21 <sup>ST</sup>				
	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12.	Weather.	Barom. Millibars at M.S.L.	Change in 24 hours.	Temp. Dry Bulb. °F.	Change in 24 hours.	Wind Direc.	Force 0-12.	Weather.	Rain-fall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.
<b>RUSSIA.</b>															
Sviatnos															
Kandalatska															
Archangel															
Soroka															
<b>MEDITERRANEAN.</b>															
Algiers	1011.1	61	WSW	4	b	1006.3	+2	57	0	WSW	4	b	-	70	54
Malta	*	*	*	*	*										
Salonica															
Athens															
Candia															
Limassol	*	*	*	*	*	1016.7	+1	59	-2	WNW	4	b	1	68	46
Alexandria															
Cairo (Helwan)															
<b>ITALY.</b>															
Venice															
Turin															
Leghorn	1007.8	50	SSE	8	f	1002.5	*	46	+9	NE	2	f	12	54	36
Rome	1014.9	48	SE	2	o	1007.5	*	54	+15	SE	1	o	Trace	54	39
Viesti	1010.7	45	NW	2	o	1008.7	*	50	+4	SW	4	o	-	52	*
Brindisi	1017.0	50	SW	1	bc	1015.0	*	46	-?	SE	2	bc	-	52	45
Cagliari	1014.2	55	SE	4	b	1004.7	*	52	+12	SE	3	bc	-	61	40
Palermo	1017.7	54	SW	2	b	1010.7	*	61	+4	NW	5	b	-	61	37
Tripoli															

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

22 <sup>ND</sup> 23 <sup>RD</sup> MARCH 1919.	Sunrise, Noon, Sunset.		
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5.54	12.0	6.6
Greenwich	5.52	12.0	6.8
Wick	6.1	12.7	6.13
Valencia	5.59	12.7	6.15
	6.13	12.19	6.25
	6.10	12.19	6.27
	6.42	12.48	6.54
	6.40	12.45	6.56

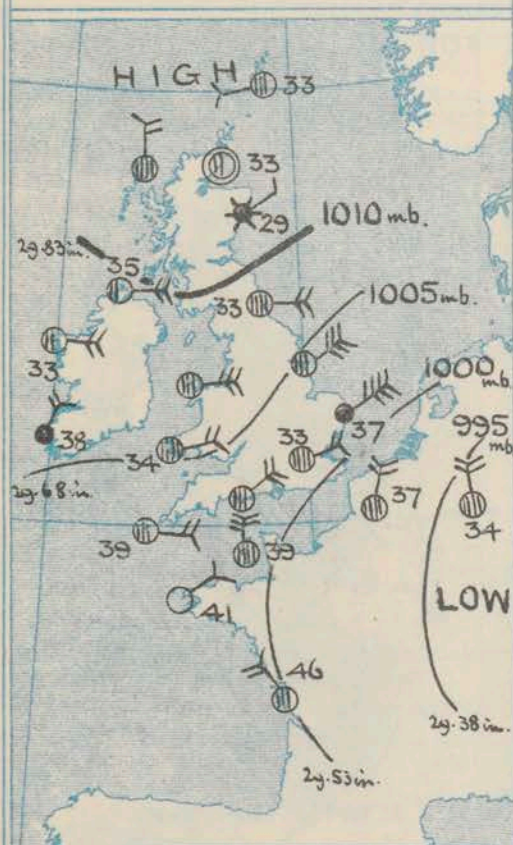
LONDON	Humidity.		Sunshine for 24 hours.	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
22 <sup>ND</sup> March, 9h. G.M.T.	21 <sup>ST</sup>	22 <sup>ND</sup>	21 <sup>ST</sup>							
GREENWICH (Royal Observatory)	78	84	0.1	40	33	32	Trace	od	os	os
CITY (Bunhill Row)	*	*	0.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	87	88	0.0	41	33	32	1	*	*	*
" (Roof of Admiralty Arch)	81	84	0.0	42	33	*	Trace	om	omrq	omq
CAMDEN SQ. (British Rainfall)	78	86	0.0	42	32	32	1	o	o	*
KENSINGTON PALACE	*	85	*	41	32	32	1	o	o	*
RICHMOND PARK	*	*	0.1	*	*	*	*	*	*	*

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.
377	8.6	37



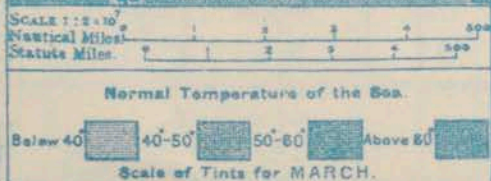
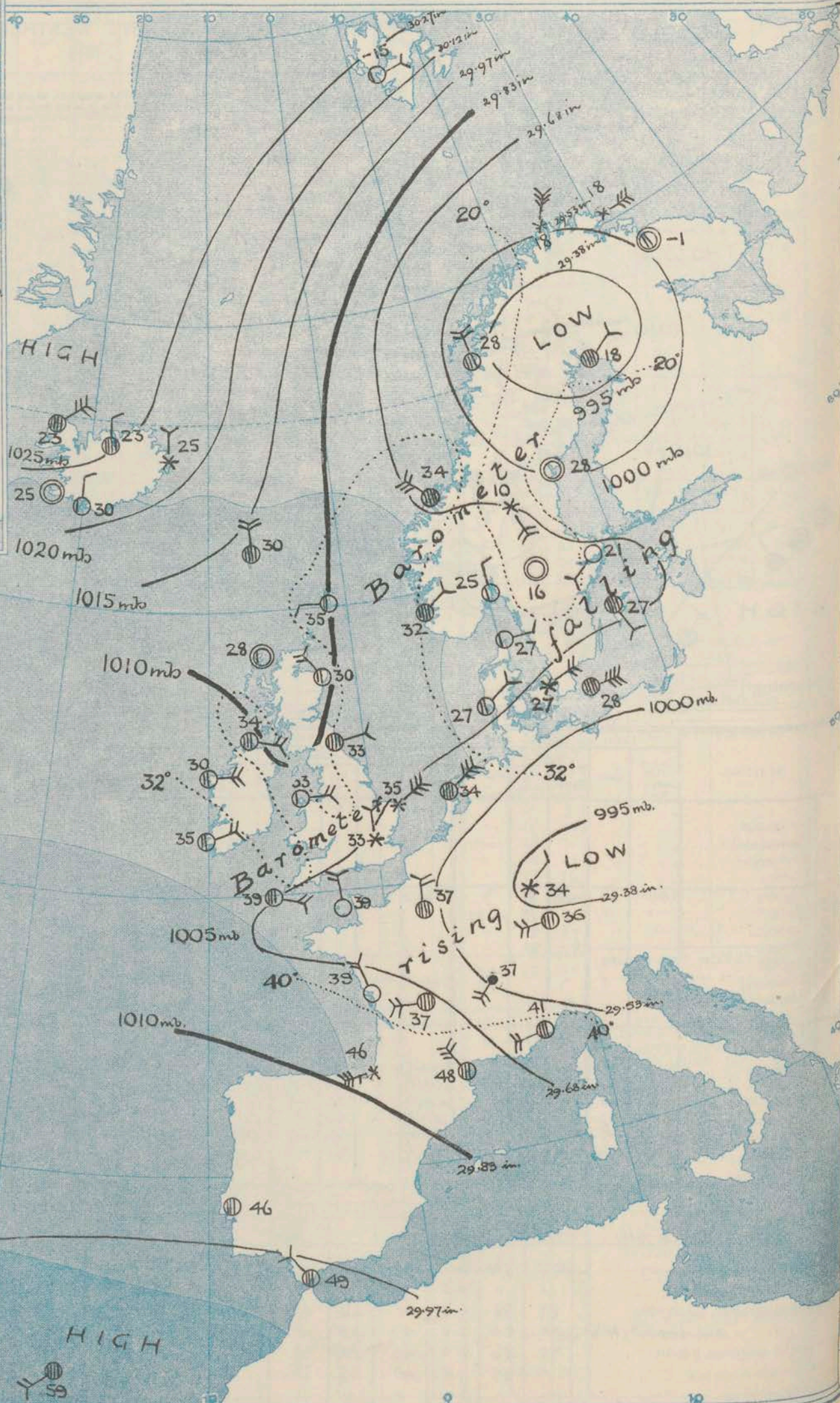
22<sup>ND</sup> MAR, at 1h. G.M.T.

THE MORNING OF SATURDAY, 22<sup>ND</sup> MARCH, 1919 at 7h. G.M.T.

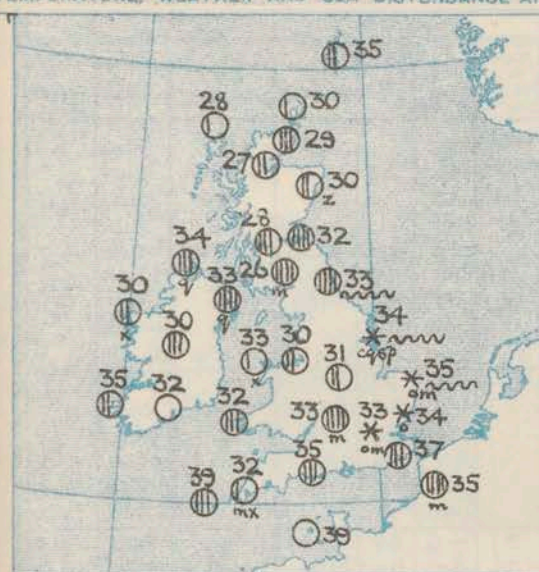


EXPLANATION.

**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. rain falling.  
 \* snow. ▲ hail. ☼ fog. ☼ mist. T. thunder.  
**SEA DISTURBANCE.**—Rough High







## NOTES.

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

Small amounts of rain and snow fell in nearly all localities, but except in SE England and parts of Ireland several hours of bright sunshine were enjoyed. The highest records were obtained at western and northern stations, more than 7 hours being registered at Scilly and Stornoway. Weather continued cold, the maximum being only  $32^{\circ}$  at Eskdalemuir, failing to reach  $40^{\circ}$  at most other stations.

## The Conditions at 7h Today.

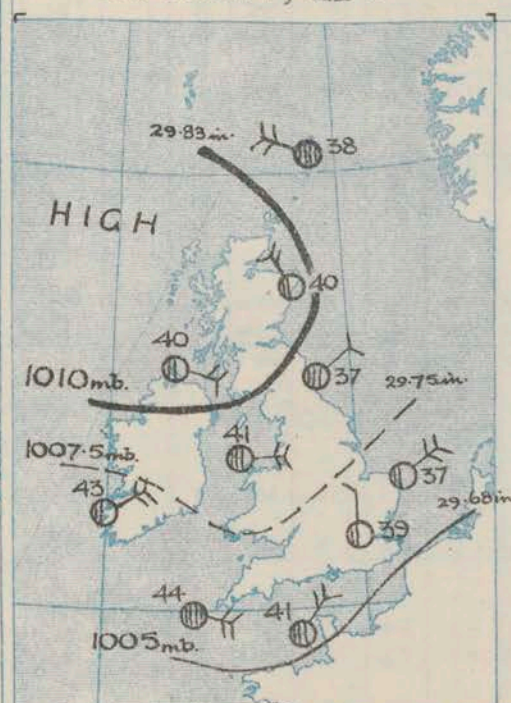
The depression which was over France yesterday has moved eastward and now lies over Western Germany. Another depression lies over the north of Norway. An anticyclone lies over Iceland and pressure is also high (but falling) in the Madeira region. Over the British Isles winds are between north and east, mainly light to moderate, but strong off the east Anglian coast. Snow is falling in the east and south-east of England, but fair weather prevails over the greater part of Scotland, Ireland and western England. Temperature remains low for the season generally and is below  $30^{\circ}$  at many of the Scottish stations.

## The Outlook.

A rise of pressure over Iceland in combination with a fall over Scandinavia and at the Azores will result in the general wind circulation being maintained from between North and East over the British Isles. Under these circumstances weather will remain cold and some further snowfall is not improbable.

SATURDAY, 22<sup>nd</sup>

MARCH, 1919, at 13h. (1p.m.) G.M.T.



The barometer is falling to northeastward of Scotland, and the wind has backed to West-North-West. Otherwise no change worthy of comment has occurred since this morning.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No.81...

Saturday  
22nd March

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.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. F.	Change in 24 hours.	WIND.		Dirac. of Upper Cloud.	Weather.	Sea 0-5.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
			Dirac.	Force 0-12.						Dirac.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick ...	1014.0	36	S	3	cm	1010.0	-2	35	W	1	-	bc	1	1	39	31	cps	cm	bc	*
	Houton B. (Orkney)						1012.6	-1	30	SW	1	*	b	2	*	36	29	p.prh	b.bcu	*	
	Stornoway ...	1012.3	38	N	1	c	1011.9	0	28	-	0	-	b	0	1	42	28	bc	bc.c	ops.b	7.7
	Castlebay (Barra Isd.)	1011.6	39	NNE	3	bc												c.b	bc		
	Glasgow ...	1010.4	32	NE	3	bc	1011.7	+1	28	-	0	E	c	*	1	36	27	c.csp	csp.bc	bc.csp	4.7
	Eskdalemuir ...	1009.4	29	E	4	ospq	1010.7	+1	26	NNE	3	-	om	*	-	32	22	c.s.b.csp	acspq.b	bc.c.o	5.5
	Malin Head ...	1008.6	36	E	4	cqps	1008.9	0	34	ESE	3	E	cq	*	-	35	32	cqps	cqps	bcq	0.6
	Blacksod Point	1000.6	37	NE	2	bc	1008.9	0	30	E	4	-	bcx	3	-	39	29	bc	bc	bcx.bc	*
	Valencia (Cahirciveen)	1004.3	38	NE	3	oz	1006.2	+1	35	ENE	3	-	bc	3	0.1	40	35	c.bc.oz	c.c.oz	do.c.bc	4.3
	Roche's Point	1003.9	40	NE	3	c	1006.6	+1	32	NE	2	-	bx	2	3	42	32	or	ro	o.b	*
	Birr Castle ...	1005.6	37	NE	1	o	1008.3	*	30	NE	1	-	c	*	1	38	28	os.ors	ors.o	cps	0.0
	Donaghadee ...	1007.9	36	E	4	cq	1010.1	+1	33	E	4	-	oq	4	-	39	31	bcq	cq	bcq	*
	Liverpool (Bidston)	1005.1	33	ENE	5	bc	1008.2	+2	30	ENE	1	-	bc	1	-	37	29	oq	o.c	c.bc	0.8
	Holyhead ...	1005.1	38	E	5	cq	1008.1	+2	33	E	3	-	bx	2	-	40	32	cpr.so	cqg	o.c.bcx	2.5
	Pembroke (St. Ann's)	1003.3	39	E	3	o	1006.8	+2	32	NNE	2	E	c	1	-	45	30	c	c.o	o	5.2
	Scilly (St. Mary's)	1000.3	45	ESE	3	c	1005.0	+1	39	ESE	3	-	c	4	3	49	38	omr.c	c.bc.c	bc.c	7.3
	Falmouth ...	999.8	44	NNE	4	cin	1005.8	+2	32	NNE	2	-	bm.x	*	2	48	31	crrp	cm.bc.c	cm.bcx	5.0
	Jersey (St. Aubin)	997.1	42	NE	3	op	1004.2	+1	39	N	3	-	b	2	2	46	32	bc.op	op.c.op	op.c.b	2.5
	Portland Bill ...	998.1	44	NE	5	c	1004.5	+4	35	NNE	4	-	c	4	-	45	35	c	c	c	*
	Dungeness ...	996.4	38	NE	4	cq	1002.1	+4	37	NNE	3	NE	c	3	0.3	40	37	p.cq.o	cq	cq.o.c	*
	Wick ...	1013.1	33	ESE	1	bcm	1012.0	-1	29	NW	2	-	c	2	2	35	28	omps	oms.bc	bcpsc	*
	Nairn ...	1012.3	35	NE	1	c	1012.2	*	27	-	0	-	bc	0	-	38	21	bc	bc.g	c.bcx	7.0
	Aberdeen ...	1012.4	33	ENE	3	bc	1011.6	0	30	NW	3	-	bcz	3	1	42	29	b.bc.c	bcspq.	bcspz	6.2
	Leith ...	1010.1	34	E	4	s	1010.6	0	32	NNE	3	-	o	3	4	38	29	so.chs	ps.ch	s.c.oso	*
	Tynemouth ...	1007.8	34	E	5	oq	1008.4	+1	33	ENE	2	-	o	5	-	36	31	oqps	oqps	omps	*
	Spurn Head ...	1003.2	35	NE	5	cqps	1006.5	+2	34	NE	4	-	cqps	5	4	37	31	cq	cqps	cqps	2.2
Yarmouth (Gorleston)	1000.5	37	E	5	o	1004.1	+3	35	NE	6	-	oms	5	3	37	34	opom	om	og.om	0.0	
Clacton-on-Sea	998.7	37	NNE	4	o	1003.8	+4	34	N	3	-	os	2	0.3	39	34	og	og	ogs	0.0	
Nottingham ...	1003.5	35	NE	3	b	1006.8	*	31	NE	2	NE	bc	*	1	36	30	sp.oq	cps	c.os	2.0	
Benson (Oxon.) ...	1000.8	35	NE	4	em	1005.2	+4	33	NNE	3	-	om	*	0.4	42	32	o	rs	os	*	
Sth Farnborough	999.6	35	NNE	3	om	1005.0	+3	32	ENE	3	-	osm	*	0.3	42	32	p.cm	ors.om	o.osm	1.1	
London (Kew Obsv.)	999.8	37	NNE	2	om	1005.1	+4	33	N	2	-	oms	*	0.1	40	33	o	o	o.oms	0.1	
NORTHERN EUROPE, ICELAND, &c.	Isafjord ...	1023.4	32	NE	5	o	1028.0	+2	23	NE	5	-	o	*	*	*	*	THE BEAUFORT SCALE OF WIND FORCE.			
	Reykjavik ...	1020.8	37	NNE	3	b	1023.0	0	25	-	0	-	b	*	*	*	*				
	Vestmanna ...	1019.5	34	-	0	bc	1020.4	0	30	N	1	-	b	1	*	*	*	Limits of Velocity.			
	Seydisfjord ...	1021.0	30	NW	2	c	1023.9	+2	25	N	2	-	s	*	*	*	*				
	Thorshavn ...	1015.7	36	NNE	2	b	1014.0	-1	30	N	4	-	o	*	*	*	*	No.	Statute miles per hour.	Metres per second.	
	Shorsbergen ...	1022.7	-20	E	2	b	1024.8	0	-15	E	2	*	b	*	*	-15	-26				
	Vardö ...	1002.4	16	ENE	3	b	1000.4	0	16	E	6	-	s	4	*	16	14	0	Less than 1	Less than 0.3	
	Gjesvær ...	1003.3	16	E	4	s	1002.6	*	18	NE	7	-	s	4	6	19	14				
	Bodö ...	1002.0	32	N	4	c	995.4	-1	28	N	4	-	c	2	?	32	25				
	Christiansund ...	1011.8	32	N	3	o	1003.3	-5	34	NW	5	-	o	3	3	34	27				
	Skudesnaes ...	1011.8	32	-	0	b	1006.6	-2	32	NE	2	-	o	2	-	36	27				
	Færder (X'ania Fjord)	1011.8	27	-	0	b	1006.3	-2	25	N	1	-	b	1	-	28	23				
Haparanda ...	999.5	21	WSW	2	o	991.7	-3	18	NE	2	-	o	0	Trace	21	12					
Hernösand ...	1007.8	27	-	0	bc	999.8	-5	28	-	0	-	b	0	-	32	21					
Stockholm ...	1012.4	21	-	0	b	1005.2	-3	21	SW	2	-	b	0	-	27	16					
Wisby ...	1012.7	23	ESE	2	c	1006.1	-3	27	SSE	2	-	o	1	-	28	21					
Karlstad ...	1012.4	25	-	0	b	1006.3	-5	16	-	0	-	b	*	10	28	12					
FRANCE, &c.	The Scaw (Skagen)	1011.8	28	ENE	3	c	1006.7	?	27	E	1	-	b	0	-	32	23				11
	Blaavands Huk	1008.7	30	E	3	c	1006.3	+1	27	NE	2	-	bc	*	Trace	32	23				
	Copenhagen ...	1009.7	30	ESE	3	bc	1004.2	-1	27	ENE	4	-	s	*	Trace	30	25				
	Bornholm ...	1008.8	27	E	5	b	1001.5	-2	28	E	7	-	o	1	-	30	25				
	The Helder ...	999.9	36	ENE	7	c	1002.6	+3	34	SSE	6	-	o	4	-	36	30				
	Brussels ...													*							
	Coblenz ...	992.3	43	E	3	o								*							
	C. Gris Nez ...	995.8	?	ENE	6	o	1002.4	+5	37	ENE	4	-	o	3	-	41	34				
	La Hève ...																				
	Cherbourg ...																				
	Brest (St. Mathieu)	999.3	43	NE	3	c															
	Rennes ...	1000.3	45	N	3	c															
Rochefort (Ile d'Aix)	996.2	46	NW	7	p	1003.9	+4	39	NNW	3	-	b	*	?	50	39					
Biarritz ...	1000.0	46	WSW	6	p	1006.0	+4	46	WSW	7	-	p	*	18	52	41					
IBERIA, &c.	Paris ...	990.6	43	N	4	b	1001.0	+6	37	N	3	-	o	*	1	45	37	12	Above 75	33.6 or above	
	Strasbourg ...	988.0	45	NNE	2	p								*							
	Besancon ...													*							
	Clermont ...	987.3	39	W	4	p								*							
	Limoges ...													*							
	Nice ...	992.3	45	W	6	c	995.4	+2	41	W	4	-	c	-	25	48	37				
	Sicie ...	998.3	*	W	6	bc								*							
	Perpignan ...	995.9	50	NW	6	bc	1005.6	+6	48	WNW	5	-	c	-	-	61	43				

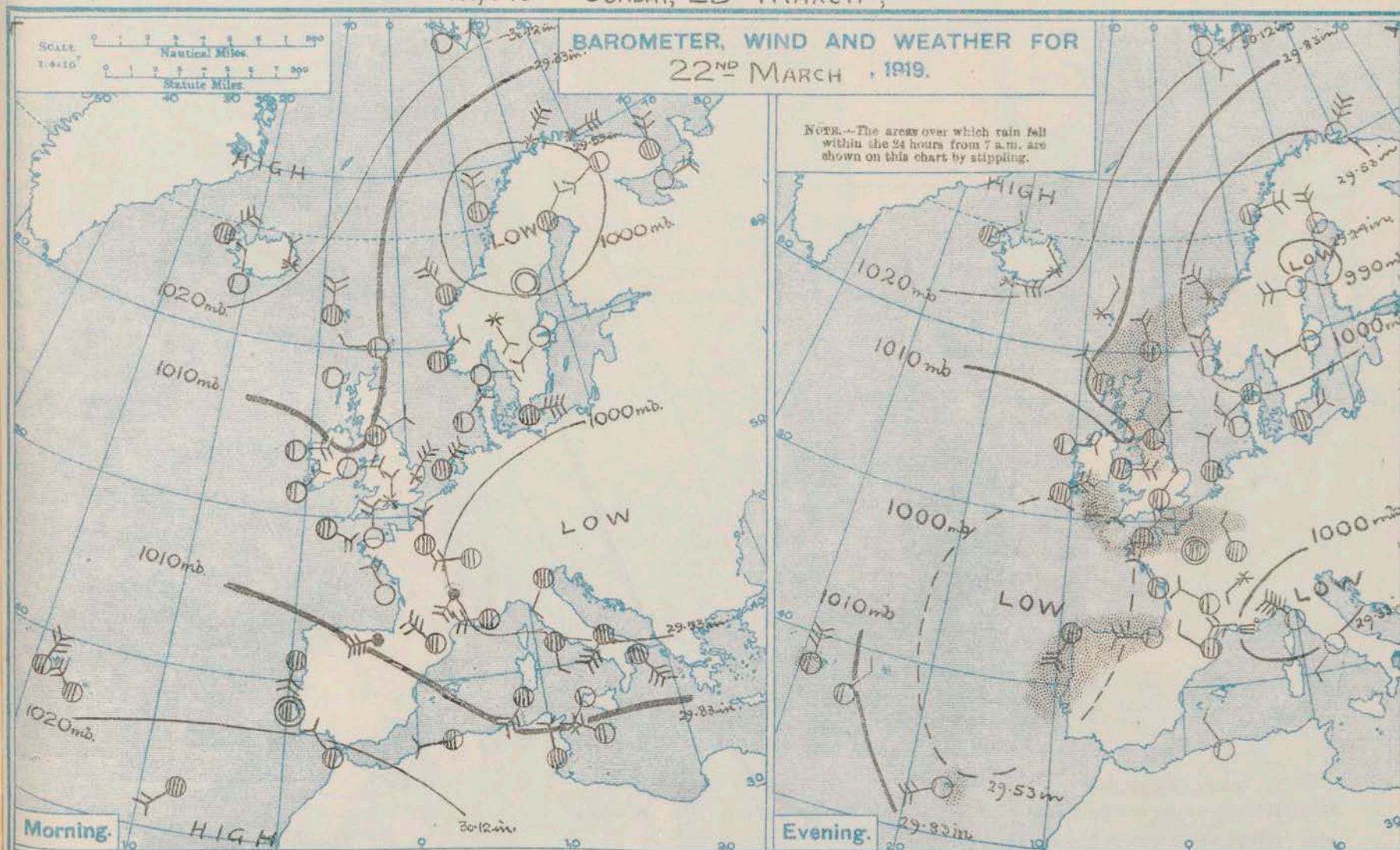
## THE BEAUFORT SCALE OF WIND FORCE.

No.
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# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

N20,940 SUNDAY, 23<sup>RD</sup> MARCH, 1919.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 22<sup>ND</sup> MARCH

STATIONS.		EVENING OF 21 <sup>ST</sup>					MORNING OF 22 <sup>ND</sup>										AFTERNOON 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.	
				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.	Sviatonos ...						*							*	*	Isafjord ...	1027.1	25	-7	NE	3	bc	
	Kandalatska ...													*	*	Reykjavik	1022.7	34	-3	N	4	b	
	Archangel ...													*	*	Vestmanna	1020.4	32	-2	E	4	c	
	Soroka ...													*	*	Seydisfjord	1024.2	30	-6	-	0	s	
MEDITERRANEAN.	Algiers ...	1013.6	59	WNW	5	0	1014.6	+3	52	-5	W	2	c	3	68	46	Thorshavn	1013.1	32	-5	N	2	c
	Malta ...	*	*	*	*	*											TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Salonica ...																23 <sup>RD</sup> & 24 <sup>TH</sup> MARCH 1919.						
	Athens ...																Sunrise. Noon. Sunset.						
	Candia ...																G.M.T. G.M.T. G.M.T.						
	Limassol ...	*	*	*	*	*	1017.4	0	59	0	WNW	1	b	-	68	45	Yarmouth ...	...	5.52	12.0	6.6		
ITALY.	Alexandria ...																Greenwich ...	...	5.50	12.0	6.8		
	Cairo (Helwan) ...																Wick ...	...	5.59	12.7	6.15		
	Venice ...	991.1	48	-	0	r	993.7	*	41		SSW	1	0	9	50	41	Valencia ...	...	5.57	12.7	6.17		
	Turin ...																						
	Leghorn ...	995.7	55	W	9	0	997.9	*	52	+6	W	8	0	4	?	41							
	Rome ...	1002.1	55	SW	3	0	1000.7	*	50	-4	-	0	0	1	61	48							
	Viesti ...	1002.5	52	SW	4	0	999.8	*	54	+4	SW	6	0	-	57	?							
Brindisi ...																							
Cagliari ...	1003.1	57	NW	5	bc	1003.1	*	52	0	SW	5	0	6	63	45								
Palermo ...																							
Tripoli ...																							

LONDON			Humidity.		Sun- shine for	24 Hours ended 9 h. 23 <sup>rd</sup>							SOUTH KENSINGTON (M.O.)		
			15 h.	9 h.		Temperature.			Rain- fall.	Weather.			Vertical Component of Solar Radiation per square Centimetre during 22 <sup>nd</sup>		
23 <sup>rd</sup> March.....9h. a.m.t.			22 <sup>nd</sup>	23 <sup>rd</sup>	22 <sup>nd</sup>	Max.	Min.	Min. on Grass			Morning.	Afternoon.	Night.	Total.	Average Rate.
			%	%	Hours.	° F.	° F.	° F.	mm.				Joules.	Milliwatts.	Milliwatts.
GREENWICH (Royal Observatory) .. ..			65	74	0.4	40	25	18	—	a.c. b	b	bx	470	10.7	49
CITY (Bunhill Row) .. ..			*	*	0.2	*	*	*	*	*	*	*			
WESTMINSTER (St. James's Park) .. ..			77	84	0.4	42	31	27	—	*	*	*			
" (Roof near Charing Cross) .. ..								*							
CAMDEN SQ. (British Rainfall) .. ..			64	69	1.4	44	26	27	—	o.c	bc	*			
KENSINGTON PALACE .. ..			*	*	*	*	*	*	*	*	*	*			
RICHMOND PARK .. ..			*	*	0.2	*	*	*	*	*	*	*			

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

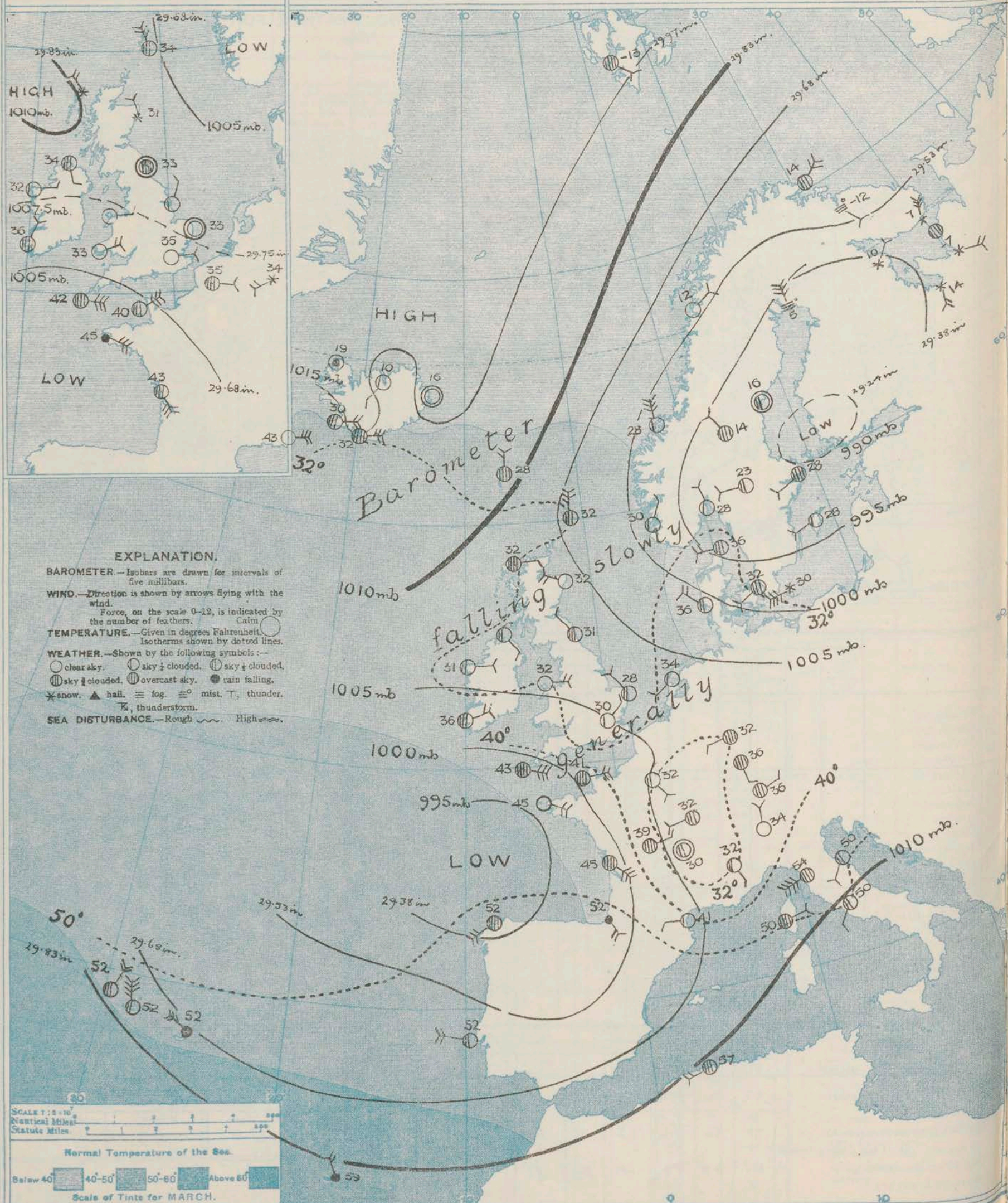
† The barometric change is expressed in half-millibars.



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

THE MORNING OF SUNDAY, 23<sup>RD</sup>

MARCH, 1919 at 7h. G.M.T.





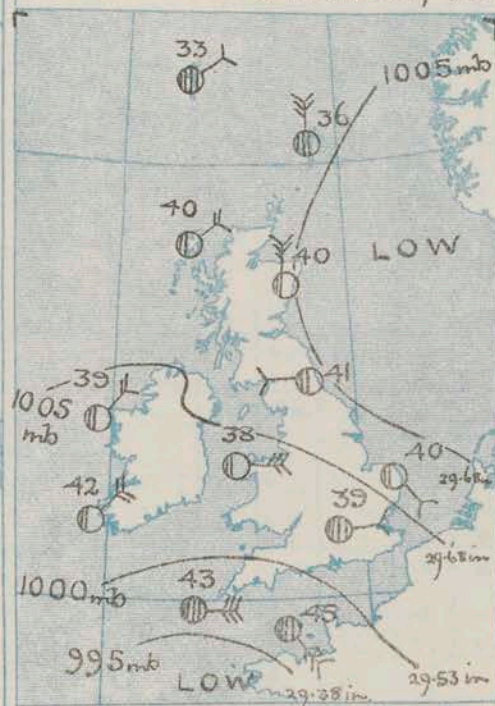
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Temperature did not rise much above 40° but in the extreme south it reached 45° at Scilly and 47° at Jersey. Frost occurred at night at many places the lowest shade readings being 22° at South Farnborough and 19° at Eskdalemuir. Fair or fine weather was very general, but slight showers of snow were experienced in isolated localities. Records of bright sunshine were fairly large in the west and north, the maximum being 6.8 hours at Holyhead, and 9.7 hours at Nairn and 10.6 at Malin Head.

A depression of some intensity lies over the Bay of Biscay and has caused a freshening of the Easterly wind along the English Channel. Another low is seen over the Baltic, and pressure is relatively high over Iceland. The main wind currents over the British Isles continue between North and East and are light over the greater part of our area. Skies are overcast in the south-west, but fair or fine weather prevails elsewhere. The air temperature remains low, a reading of 40°F. being only exceeded at Scilly.

Later 1 p.m. The depression over the Bay of Biscay has become deeper and a secondary is forming over South-West France. The Northerly wind along the East coast of Scotland has increased to a fresh breeze.

SUNDAY, 23<sup>RD</sup> MARCH, 1919, at 13h. (1 p.m.) G.M.T.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 82..

Sunday  
March 23<sup>rd</sup>

STATIONS.		EVENING OF 22 <sup>nd</sup>					MORNING OF 23 <sup>rd</sup>										24 HOURS ENDED 7 H. 23 <sup>rd</sup>					Sun- shine for 22 <sup>nd</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 34 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-3.	Rain- fall Milli- metres.	TEMP.		WEATHER.			
				Dir.	Force						Dir.	Force					Max.	Min.	Morning	Afternoon	Night	
BRITISH ISLANDS.	Lerwick	1006.1	34	NNW	3	c	1004.5	-2	32	N	5	N	c	4	1	39	30	ops	c	cps		
	Houton B. (Orkney)						1006.4	-1	29	N	3	*	bc	2	*	37	29			bc.cps	*	
	Stornoway	1009.4	39	NW	2	C	1007.2	0	32	E	1	*	o	1	4	43	38	b	bc	ops	6.0	
	Castletown (Barra)	1010.1	39	S	2	c	1006.6	-1	35	NNE	3	-	c	3	-	40	34	spo	o.bc	c.bc.o	2.6	
	Glasgow	1010.1	34	NE	1	c	1007.3	-1	25	SE	1	N	cm	*	-	38	23	c.bc.c	c	c.b.bx	3.8	
	Eskdalemuir	1010.0	30	NW	1	bc	1007.5	-1	19	-	0	-	bx	*	-	34	19	o.c.bc.o	c.b.c	o.c.b.c	5.5	
	Malin Head	1008.7	36	ENE	2	bc	1006.5	-2	32	SE	1	SE	bcx	1	-	36	32	bc	bc	bcx	10.6	
	Blacksod Point	1008.3	36	E	3	bcx	1005.9	0	31	E	2	-	bcx	3	-	36	29	by	bv	bcx	*	
	Valencia (Cah. d'Ivreen)	1005.1	39	ENE	4	ox	1002.6	-2	36	ENE	3	-	c	2	-	44	34	b.bc.bz	bc.oz	o.cz	6.1	
	Peche's Point	1006.7	38	E	4	cx	1003.5	-1	35	ENE	3	-	om	3	1	40	32	b.o	o.cz	cs.pom	*	
	Birr Castle	1007.5	35	ENE	1	c	1005.2	*	28	NE	1	NE	c	*	1	38	28	cps	cps	c.ox.c	3.4	
	Donaghadee	1009.5	36	E	4	bcxm	1007.2	-2	32	SW	1	-	ogm	1	-	41	31	bcq	bcq	bcxm	*	
	Liverpool (Blanton)	1008.2	35	ENE	1	bc	1005.7	-2	30	ENE	1	-	b	1	-	35	30	bc.om	os	bcx	0.1	
	Holyhead	1008.1	37	E	4	cg	1005.3	-1	32	E	3	-	bx	1	-	41	31	b.bc.c	cg	c.ox	6.8	
	Pembroke (SL. Am. S)	1007.3	37	E	2	b	1004.5	-3	31	ENE	3	-	bx	1	-	43	30	b.c	c.bc	c.ox	4.8	
	Scilly (St. Mary's)	1004.0	42	ESE	5	op	998.6	-2	43	ESE	6	E	o	6	1	45	38	c.o	o	o	2.0	
	Falmouth	1004.6	40	E	3	om	999.9	-2	40	ENE	5	-	ogm	*	1	44	31	cm.	om	omfg	0.1	
	Jersey (St. Aubin)	1005.5	43	NE	3	o	1000.2	-1	41	E	4	-	o	3	0.2	47	38	b.bc	bc.bc.o	ogpo	5.9	
	Portland Bill	1006.4	39	E	4	c	1002.5	-3	37	ENE	5	-	og	5	-	37	32	c.o	c.o.o.c	og	*	
	Dungeness	1006.3	37	NE	3	c	1004.4	-1	36	E	3	E	b	2	0.3	40	31	cg.poc	cps.c	cps.cz	*	
	Wick	1008.1	36	WNW	3	bc	1005.3	-1	31	WNW	2	-	bc	2	0.4	40	29	c.bc	bc	bcx	*	
	Nairn	1007.1	33	-	0	b	1006.3	*	31	-	0	-	bc	0	-	40	27	bc	bc.b	b.bx	9.7	
	Aberdeen	1009.0	37	NNW	2	bcx	1005.4	-1	32	WNW	3	-	bx	2	-	40	30	cz.bx	bcx	bc.bx	5.0	
	Leith	1009.7	35	ESE	1	c	1006.4	-1	26	SW	1	NE	c	1	2	40	26	os.ox	cs.c	cm.bx	*	
	Tynemouth	1008.9	35	NE	2	c	1006.8	-1	31	NW	1	-	cm	4	2	41	31	cps	c	om.cm	*	
	Spurn Head	1008.3	33	NE	1	bcx	1006.0	-1	33	WNW	1	-	bcx	3	1	38	30	os	c.bx	bcx	1.5	
Yarmouth (Gorleston)	1007.7	34	E	3	bc	1007.2	-1	28	NW	2	-	bcx	3	-	39	27	oms.bc	bc	bcx	2.9		
Clacton-on-Sea	1007.6	38	N	2	s	1006.1	-2	31	N	3	W	bc	2	-	39	30	os.cps	ogps	ogm.bc	0.2		
Nottingham	1008.1	34	ESE	2	c	1006.5	*	26	SE	1	-	bx	*	0.2	38	25	cps	co	c.b	1.8		
Benson (Oxon.)	1006.5	39	N	2	o	1005.0	-1	29	NNE	1	-	bm	*	0.1	40	25	c	o	cb	*		
Stb Farnborough	*	37	ENE	3	o	1005.4	-2	29	ENE	2	-	gm	*	1	41	22	so.sos	sc.so	os.ox	0.6		
London (Kew Obsv.)	1007.4	37	NE	1	c	1005.4	-2	30	NE	1	-	gm	*	1	42	27	oms.bc	bc.o.c	os.ox	0.5		
NORTHERN EUROPE, ICELAND, &c.	Isafjord	1025.5	23	NE	1	c	1015.3	-6	19	-	0	-	b	*	*	*	*	*	*	*		
	Reykjavik	1022.1	32	E	2	b	1013.5	-5	30	E	4	-	c	*	*	*	*	*	*	*		
	Vestmanna	1020.2	32	E	5	s	1015.0	-4	32	E	5	-	o	0	*	*	*	*	*	*		
	Seydisfjord	1023.4	30	NW	1	s	1016.4	-5	16	-	0	-	b	*	*	*	*	*	*	*		
	Thorshavn	1012.4	30	NNW	2	s	1011.3	-1	28	N	3	-	o	*	*	*	*	*	*	*		
	Spitsbergen	1020.2	-20	SE	2	b	1015.4	-1	-13	SE	2	-	o	*	*	-13	-26	*	*	*	*	
	Vardö	1000.3	16	NE	6	b	1003.3	0	14	ENE	4	-	c	4	*	18	12	*	*	*	*	
	Gjesvær	1004.4	16	E	7	o	1003.0	*	16	E	6	-	o	4	7	16	-6	*	*	*	*	
	Bodö	995.4	19	E	4	bc	1001.6	+1	12	ENE	2	-	b	2	-	25	9	*	*	*	*	
	Christiansund	997.2	34	NW	4	s	999.3	+1	28	N	6	-	b	5	10	36	25	*	*	*	*	
	Skudesnaes	1000.0	36	N	3	b	997.2	-3	30	NNE	1	-	b	1	-	37	27	*	*	*	*	
	Faerder (Xiania Fjord)	997.7	32	WSW	3	b	993.0	-1	28	NNW	2	-	b	1	-	32	25	*	*	*	*	
Haparanda	993.3	10	N	4	bc	994.6	+1	5	N	6	-	m	0	-	21	1	*	*	*	*		
Hernösand	991.4	30	W	4	b	994.0	+3	16	-	0	-	bc	0	-	37	14	*	*	*	*		
Stockholm	1007.1	27	W	2	b	990.7	-2	28	WSW	2	-	o	0	-	32	21	*	*	*	*		
Wisby	1002.7	25	WSW	2	b	994.0	-2	28	WSW	2	-	b	2	-	30	23	*	*	*	*		
Karlstad	998.6	28	-	0	b	991.8	-5	23	W	2	-	bc	*	-	34	14	*	*	*	*		
FRANCE, &c.	The Scaw (Skagen)	1030.0	30	SW	2	c	993.0	?	36	W	3	W	c	3	-	36	27	*	*	*	*	
	Blaavands Huk	1007.3	30	NNW	1	b	1001.5	-4	36	WNW	3	NW	bc	*	Trace	36	25	*	*	*	*	
	Copenhagen	1002.7	30	N	2	bc	998.6	-2	32	WSW	2	-	c	*	-	32	29	*	*	*	*	
	Bornholm	1001.2	28	ENE	3	c	998.4	-2	30	W	7	-	s	1	-	30	25	*	*	*	*	
	The Helder	1006.7	34	N	2	o	1005.5	-0	34	SW	2	SW	b	1	-	34	27	*	*	*	*	
	Brussels	*	34	*	*	s																
	Coblentz						1007.1	+0	32	W	1	-	o	*	4	-	-	*	*	*	*	
	C. Gris Nez						1005.2	-2	34	ESE	2	-	b	1	1	43	30	*	*	*	*	
	La Hève	1000.7	37	NE	3	o	1003.4	-3	36	ENE	4	E	bc	2	3	41	34	*	*	*	*	
	Cherbourg						1001.3	-1	41	SE	3	-	c	3	1	43	39	*	*	*	*	
	Brest (St. Mathieu)	1003.9	48	SE	2	b	995.7	-3	43	ESE	4	-	o	3	4	50	43	*	*	*	*	
	Rennes	1005.7	46	SSE	1	c	999.5	-5	41	E	3	-	o	-	-	50	37	*	*	*	*	
Rochefort (Ued'Aix)	1006.9	48	NNW	2	bc	997.5	-5	45	SE	6	-	o	*	-	57	41	*	*	*	*		
Biarritz	1006.9	50	NE	6	b	998.7	-5	52	SE	3	-	r	2	7	55	46	*	*	*	*		
Paris	1006.9	39	-	0	o	1005.6	-1	32	SSE	1	W	bc	*	-	45	30	*	*	*	*		
Strasbourg	1004.8	39	NW	1	o	1008.0	0	36	S	1	-	o	*	2	41	32	*	*	*	*		
Besancon						1007.4	*	34	NE	1	-	b	*	9	39	34	*	*	*	*		
Clermont	1007.7																					

## 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	1·6-5·3
3	8-12	5·4-5·4
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	28·5-32·5
12	Above 75	33·6 or above



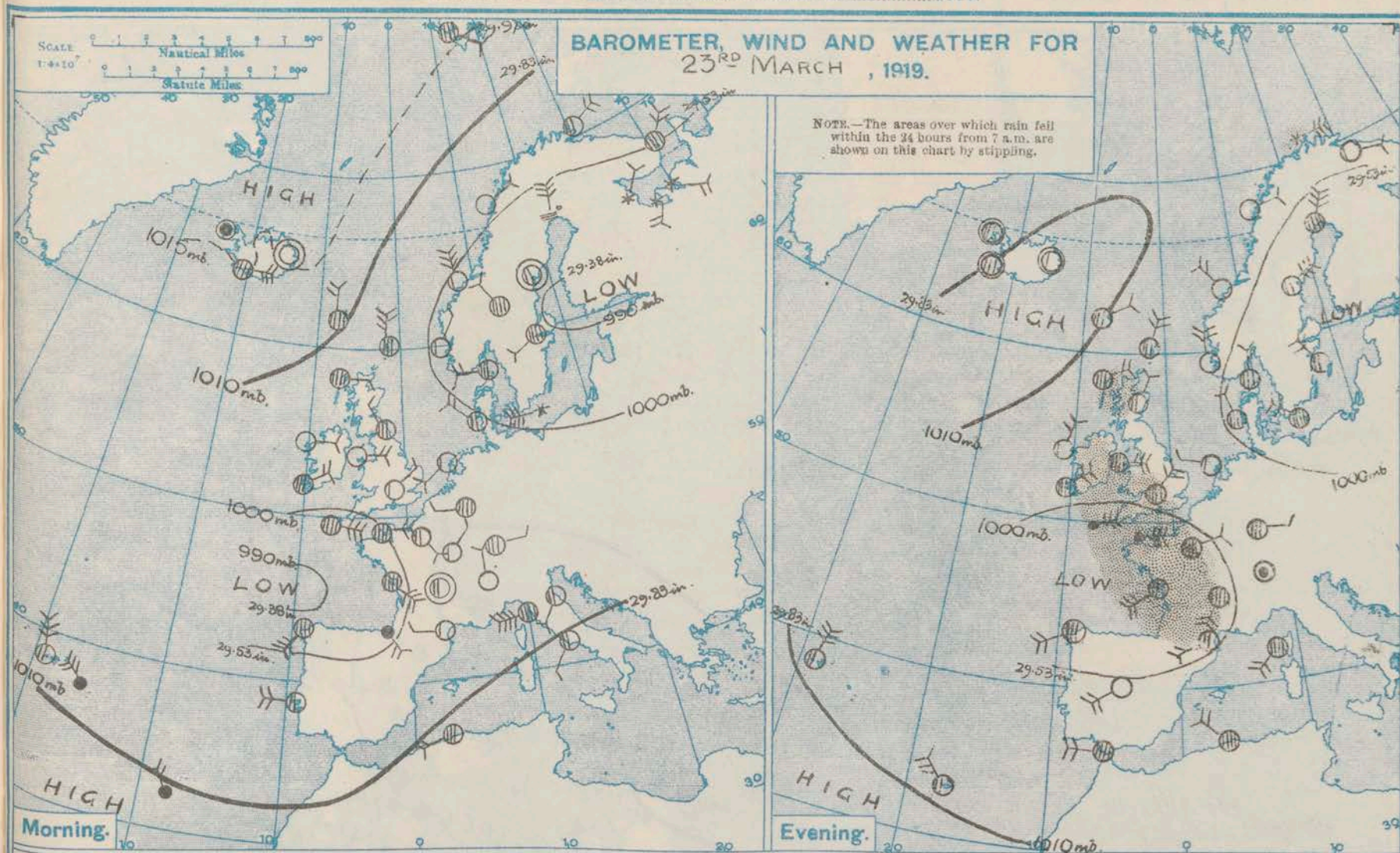
# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,941.

MONDAY, 24<sup>TH</sup> MARCH, 1919.

## BAROMETER, WIND AND WEATHER FOR 23<sup>RD</sup> MARCH, 1919.

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 23<sup>RD</sup> MARCH.

STATIONS.	EVENING OF 22 <sup>ND</sup>				MORNING OF 23 <sup>RD</sup>				AFTERNOON OF 23 <sup>RD</sup>			
	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12
RUSSIA.												
Sviatonos ...												
Kandalatska ...												
Archangel ...												
Soroka ...												
MEDITERRANEAN.												
Algiers ...	1016.8	55	NW	1	1010.1	-0	57	-2	WSW	3	c	
Malta ...	*	*	*	*	*	*	*	*	*	*	*	*
Salonica ...	*	*	*	*	*	*	*	*	*	*	*	*
Athens ...	*	*	*	*	*	*	*	*	*	*	*	*
Candia ...	*	*	*	*	*	*	*	*	*	*	*	*
Limassol ...	*	*	*	*	1016.6	0	57	-2	-	0	b	
Alexandria ...	*	*	*	*	*	*	*	*	*	*	*	*
Cairo (Helwan) ...	*	*	*	*	*	*	*	*	*	*	*	*
ITALY.												
Venice ...					*	*	*	*	*	*	*	*
Turin ...					*	*	*	*	*	*	*	*
Leghorn ...	1001.7	50	WNW	9	1008.7	*	54	-1	W	8	o	
Rome ...	1006.6	52	SW	1	1011.1	*	50	-5	SW	1	bc	
Viesti ...	*	*	*	*	*	*	*	*	*	*	*	*
Brindisi ...	*	*	*	*	*	*	*	*	*	*	*	*
Cagliari ...	*	*	*	*	*	*	*	*	*	*	*	*
Palermo ...	*	*	*	*	*	*	*	*	*	*	*	*
Tripoli ...	*	*	*	*	*	*	*	*	*	*	*	*
ICELAND.												
Isafjord ...	1007.5	28	+3	-	0	c						
Reykjavik ...	1011.1	23	-11	-	0	c						
Vestmanna ...	1011.4	30	-2	E	3	o						
Seydisfjord ...	1012.6	25	-5	-	0	b						
Thorshavn ...	1011.3	33	+1	NE	2	o						

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

21 <sup>ST</sup> & 22 <sup>ND</sup> MARCH, 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	5.50	12.0	6.10
Greenwich ...	...	5.48	11.59	6.11
Wick ...	...	5.54	12.6	6.18
Valencia ...	...	6.7	12.19	6.30
		6.4	12.18	6.33
		6.38	12.48	6.53
		6.35	12.47	6.59

LONDON		24 HOURS ENDED 9 H. 21 <sup>ST</sup> MARCH.				SOUTH KENSINGTON (M.O.)		
21 <sup>ST</sup> March, 9h. G.M.T.		Humidity.	Sun-shine for	TEMPERATURE.	Rain-fall.	Vertical Component of Solar Radiation per square Centimetre during 23 <sup>RD</sup> .		
		15 h.	9 h.	Max.	Min.	Total.	Average Rate.	Max. Rate.
		23 <sup>RD</sup>	24 <sup>TH</sup>	°F.	°F.	Joules.	Milliwatts.	Milliwatts.
GREENWICH (Royal Observatory) ...	...	69	71	4.3	33	28		
CITY (Bunhill Row) ...	...	*	*	*	*	*		
WESTMINSTER (St. James's Park) ...	...	77	81	4.7	42	31		
" (Roof near Charing Cross) ...	...	81	95	5.0	41	34		
CAMDEN SQ. (British Rainfall) ...	...	-	71	3.8	43	30		
KENSINGTON PALACE ...	...	*	89	*	42	32		
RICHMOND PARK ...	...	*	*	3.1	*	*		

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By WYMAN & BROS LTD., Fetter Lane, London, E.C. 4, and Reprinters.

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

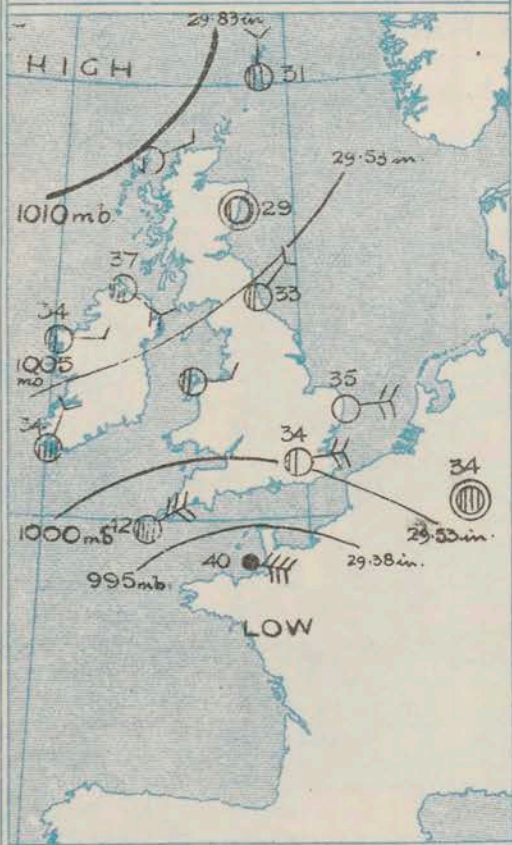
† The barometric change is expressed in half-millibars.



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

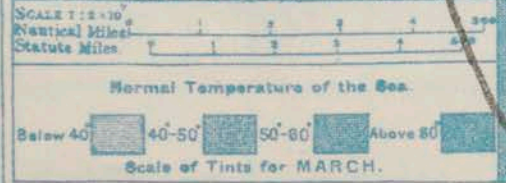
THE MORNING OF MONDAY, 24<sup>th</sup>

MARCH, 1919 at 7h. G.M.T.

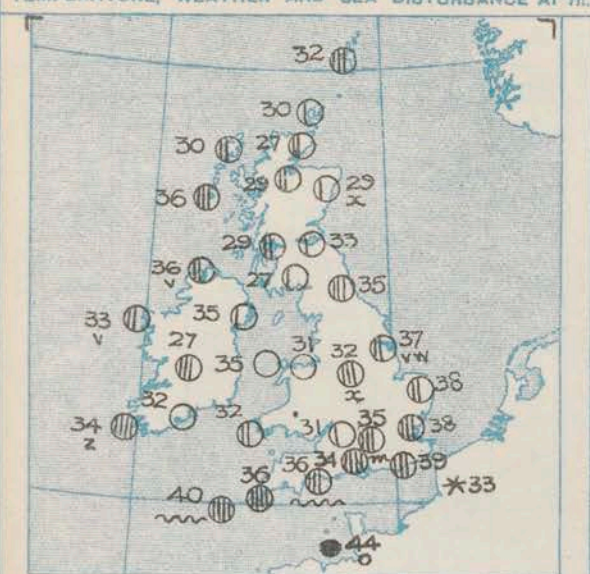


EXPLANATION.

- 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.  
K, thunderstorm.
- SEA DISTURBANCE.**—Rough ~~~~ High ~~~~







## NOTES.

*JERSEY: Gale -  
E. 8 21h - Midnight.*

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

Over most of the country fair weather prevailed yesterday so that sunshine measurements of from 5-10 hours were numerous, the maximum reading being 10.5 hours at Eskdalemuir. The depression over France caused conditions to be less favourable along the south coast of England. Little or no sunshine was measured in this region while Jersey reported 23 mm. of rain in the 24 hours. Under the influence of the E. winds temperature was everywhere low. A minimum of 19° was recorded at Eskdalemuir and temperature fell below the freezing point at many other stations. Day readings ranged generally from 40° to 45°, but 35° was not exceeded at Houton Bay (Orkneys).

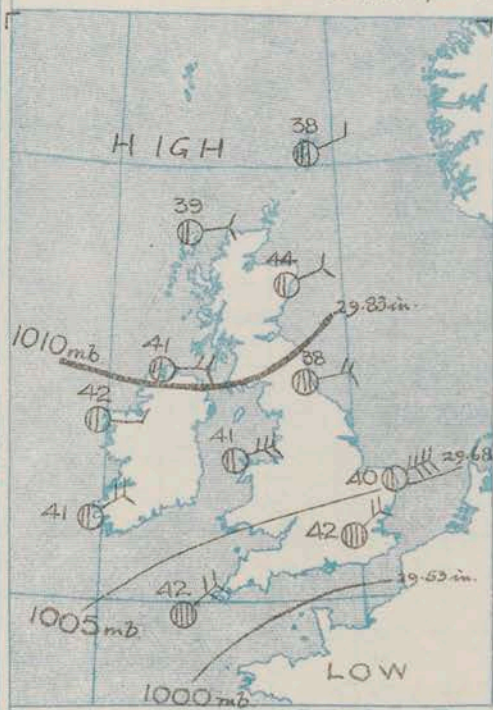
## The Conditions at 7h. Today

An area of relatively high pressure lies to the northward of Scotland while a well-marked depression is shown over NW. France. There is another depression in the Baltic region. Winds over the British Isles vary from light and variable in the north of Scotland to strong from between E. and NE. in the English Channel. In the rear of the Baltic depression strong NW. winds are blowing in Sweden. Weather is fair or fine over most of the British Isles but along the northern coast of France rain or sleet is reported. Visibility is generally rather good in this country, - exceptional in the north of Ireland and at Spurn Head. Temperature remains very low for the time of year.

## The Outlook

The pressure conditions are likely to remain favourable for a continuance of Easterly winds over England so that no break in the present spell of cold weather is anticipated.

MONDAY, 24<sup>TH</sup> MARCH, 1919, at 13h. (1p.m.) G.M.T.



Pressure is rising at all stations in the British Isles at 13h. but the general pressure distribution is not materially different from that at 7h.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 83.

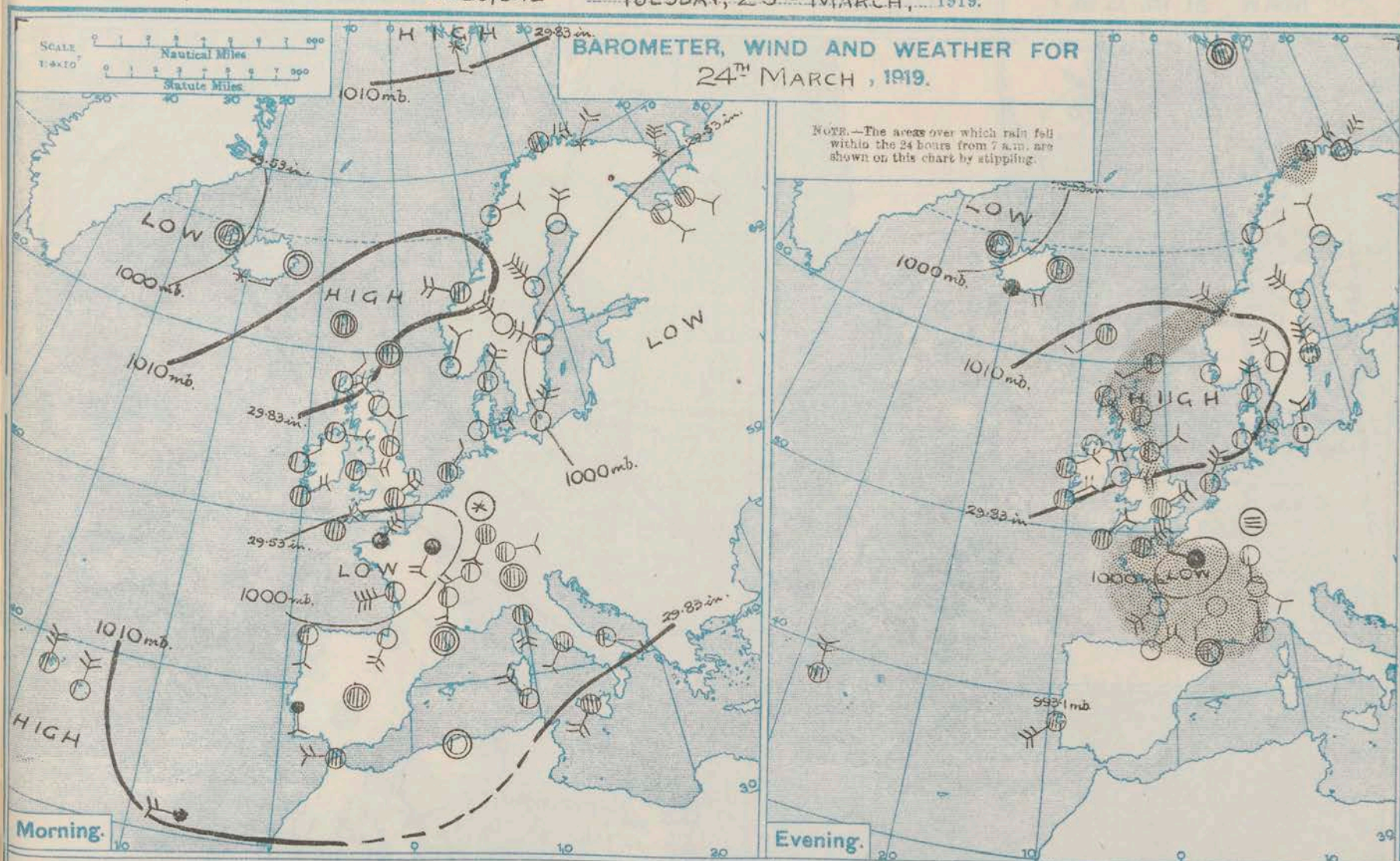
MONDAY  
21<sup>TH</sup> MARCH.

STATIONS.		EVENING OF... 23 <sup>rd</sup> ...					MORNING OF... 24 <sup>th</sup> ...					24 HOURS ENDED 7 h. 24 <sup>th</sup> ...										Sun- shine for 23 <sup>rd</sup> Hours.
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 8 hours.	Temp. °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	1006.6	35	NNE	4	c	1009.8	+1	32	0	-	0	-	c	1	2	37	29	cps	cph	cps	*
	Houton B. (Orkney)	1007.6	30	NE	5	bc	1010.1	+2	30	+1	N	1	-	b	2	*	35	28	c.o. ps	sq	bc.cps	*
	Stornoway	1007.5	35	ENE	3	c	1010.3	+2	30	-2	NE	1	-	bc	1	4	40	29	o.bc	baps.c	b.beps	4.9
	Castlebay (Barra)	1005.2	39	NNE	4	b	1009.3	+1	36	+1	N	3	-	c	3	0.2	40	34	osp.bc	bc.b	bc	7.0
	Glasgow	1005.8	37	NNE	2	bcv	1009.3	+3	29	+1	NE	1	N	bc	*	Trace	40	24	mc.bc	bc	bc.bx	5.8
	Eskdalemuir	1005.4	32	NNE	3	c	1008.4	+2	27	+8	NNE	2	-	b	*	-	36	19	b.v.v.v	b.v.b.c	b.bx	10.5
	Malin Head	1005.5	39	NNE	3	beps	1008.0	+1	36	+4	E	2	E	bcv	2	0.1	42	32	bc	bc	bcv	9.2
	Blacksod Point	1005.1	37	NNE	3	bx.	1007.3	0	33	+2	NE	1	NE	bcv	3	-	40	30	bcv	bcv	cps.bc	*
	Valencia (Cahirciveen)	1002.1	39	NE	4	oz	1005.3	+2	34	-2	ENE	3	-	oz	2	-	43	32	c.z. bc	bc.c.oz	c.b.caz	5.5
	Roches Point	1001.7	38	ENE	4	bx	1004.4	+1	32	-3	NNE	2	-	b	2	0.1	43	31	o.bcz	bc.bx	bx	*
	Birr Castle	1003.3	36	NE	1	c	1006.4	*	27	-1	NE	1	NE	c	*	-	38	27	c	c	cx	2.8
	Donaghadee	1005.3	38	NE	4	cps.	1007.8	+1	35	+3	ENE	4	-	bm	3	Trace	40	31	bcm	bcm	ogm.bc	*
	Liverpool (Bidston)	1003.1	35	ENE	3	o	1005.3	+1	31	+1	ENE	2	-	b	2	-	37	30	bcm	om	bcx	1.6
	Holyhead	1002.7	37	E	5	omg	1005.2	+1	35	+3	E	4	-	bc	3	-	41	32	b.bc.c	bc.cog	og.bc	6.0
	Pembroke (St. Ann's)	1000.3	40	NE	3	o	1003.2	+4	32	+1	NNE	3	SW	bc	2	-	43	30	bc	c.o	bc.oc	6.2
	Scilly (St. Mary's)	994.2	43	ENE	5	omr	999.3	+2	40	-3	NE	4	-	o	6	1	45	38	omp	omp	omp	0.0
	Falmouth	994.1	42	NE	7	omg	999.2	+5	36	-4	NE	3	-	oz	*	-	44	36	odgq	omg.gq	oggo	0.1
	Jersey (St. Aubin)	993.1	41	E	6	or	991.3	+1	44	+3	NE	7	-	+	5	23	46	40	op	op.or	or	0.0
	Portland Bill	997.6	43	E	6	o	997.1	+2	36	-1	NE	5	-	c	5	1	43	34	o	o	o.c	*
	Dungeness	999.7	40	NE	4	o	998.2	-1	39	+3	E	5	E	c	4	-	44	35	r.bc	c.o	o.c.oe	*
NORTHERN EUROPE, ICELAND, &c.	Wick	1006.3	35	NNE	2	bc	1009.2	+1	27	-4	WNW	2	-	bc	3	0.2	38	26	bcgrh	beph	bcm	*
	Nairn	1006.4	36	E	2	o	1009.7	*	29	-2	-	0	-	bc	0	0.4	40	26	bc.spc	spc.o	cg.bcz	6.5
	Aberdeen	1005.4	36	NNE	2	bcv	1009.2	+3	29	-3	NW	3	-	bx	2	0.4	40	28	bcvsp	bcvsp	bc.bx	7.1
	Leith	1005.8	38	E	1	c	1008.6	+1	33	-3	NE	2	NE	b	3	-	43	26	cm.cbc	c.bc.c	c.b.bx	*
	Tynemouth	1004.3	37	NE	2	bc	1006.0	+2	35	+4	NNE	2	-	c	3	-	44	31	bc	bc	bc.msc	*
	Spurn Head	1003.7	37	ESE	1	bcv	1004.2	+0	37	+4	NE	4	-	bcv	3	-	40	32	bcv	bc.bv	bcv	9.4
	Yarmouth (Gorleston)	1004.1	35	E	3	bc	1003.0	-1	38	+10	E	3	-	bc	3	-	40	27	bc	bc	b.bc	9.0
	Clacton-on-Sea	1002.6	37	ENE	3	bc	1001.6	0	38	+7	ENE	5	E	c	3	-	39	31	bc.o	o.c.bc	bc	2.4
	Nottingham	1003.2	36	E	1	c	1004.0	*	32	+6	NE	3	NE	cx	*	-	39	25	b.bc	bc	bc.b	7.2
	Benson (Oxon.)	1004.9	38	ENE	4	om	1001.0	+2	31	+2	NE	4	-	b	*	0.1	41	28	b.bc.c	c.o	b	*
	St. Farnborough	*	*	NE	5	o	1000.1	+1	34	+5	ENE	3	-	o	*	Trace	43	29	m.a.bcd	o	o.b.o	2.5
	London (Kew Obsv.)	1001.6	37	ENE	3	cm	1000.7	+1	35	+5	NE	4	-	cm	*	0.1	41	30	bmz.om	om.cm	cm.cm	3.7
	Isafjord	1007.0	28	-	0	c	999.9	-3	36	+15	-	0	-	c	*	*	*	*	*	*	*	*
	Reykjavik	1010.0	28	-	0	c	1003.8	-3	34	+4	E	2	-	o	*	*	*	*	*	*	*	*
	Vestmanna	1011.4	30	SE	2	+	1006.4	-3	32	0	E	1	-	s	*	*	*	*	*	*	*	*
	Seydisfjord	1011.3	28	-	0	b	1005.6	-3	29	+13	-	0	-	b	*	*	*	*	*	*	*	*
	Thorshavn	1010.9	32	ENE	2	c	1011.7	+0	29	+1	-	0	-	o	*	*	*	*	*	*	*	*
	Spitsbergen	1001.0	14	SE	4	S	1002.4	0	14	-	NE	4	-	s	4	*	18	14	*	*	*	*
	Vardö	1003.4	16	E	6	S	1004.2	*	16	-	E	5	-	c	4	6	16	10	*	*	*	*
	Gjesvær	1004.7	10	E	2	b	1006.3	0	10	-2	E	2	-	b	2	-	18	7	*	*	*	*
Bodö	1004.8	23	NW	3	b	1014.4	+2	25	-3	WNW	4	-	c	3	-	28	19	*	*	*	*	
Christiansund	1004.5	41	N	4	b	1005.9	+4	25	-5	NNE	2	-	b	1	-	241	23	*	*	*	*	
Skudesnaes	998.0	28	NNE	5	b	1006.6	+3	18	-10	N	6	-	b	2	-	32	18	*	*	*	*	
Færder (K'laudia Fjord)	998.1	9	NE	6	o	1004.8	-	1	-4	NNE	4	-	b	0	-	10	-9	*	*	*	*	
Haparanda	997.9	10	NE	6	bc	1001.1	+3	10	-6	NW	8	-	b	0	-	18	9	*	*	*	*	
Hernösand	992.8	19	N	4	S	998.0	+1	7	-21	WNW	4	-	b	0	3	28	5	*	*	*	*	
Stockholm	991.0	30	NW	4	bc	998.7	+6	18	-10	N	4	-	bc	4	Trace	36	18	*	*	*	*	
Wisby	995.7	23	N	4	b	1005.1	+3	9	-14	WNW	6	-	b	*	-	32	5	*	*	*	*	
Karlstad	995.4	32	N	3	c	1005.0	?	19	-17	NNE	4	-	b	4	-	36	18	*	*	*	*	
The Scaw (Skagen)	999.5	34	NNW	2	o	1004.2	+4	25	-11	ENE	2	-	b	*	Trace	39	21	*	*	*	*	
Blaavands Huk	996.6	36	WNW	2	b	1002.1	+4	27	-5	ENE	3	-	b	*	-	39	25	*	*	*	*	
Copenhagen	995.8	32	W	7	o	1000.0	+3	28	-2	NNE	4	-	b	1	Trace	34	25	*	*	*	*	
FRANCE, &c.	The Helder	1003.0	36	W	1	b	1003.4	+2	34	0	NE	1	-	c	1	Trace	39	27	*	*	*	*
	Brussels	1001.5	41	ENE	?	?	1001.5	+1	32	-	0	-	s	*	1	-	-	-	*	*	*	*
	Coblenz	999.3	-1	36	+2	E	5	-	0	3	2	46	34	*	*	*	*	*	*	*	*	
	C. Gris Nez	992.3	-3	37	+1	ENE	6	E	7	19	46	39	*	*	*	*	*	*	*	*	*	
	La Hève	993.3	+2	43	+2	ENE	7	-	7	12	45	41	*	*	*	*	*	*	*	*	*	
	Cherbourg	993.7	+4	43	-2	NE	4	-	3	12	45	41	*	*	*	*	*	*	*	*	*	
	Brest (St. Mathieu)	990.6	+4	45	0	SW	3	-	0	11	46	41	*	*	*	*	*	*	*	*	*	
	Rennes	992.2	41	SE	4	+	990.6	+4	45	0	SW	3	-	bc	*	4	52	39	*	*	*	*
	Rochefort (St. Aiz)	995.7	+1	50	+9	WSW	7	-	bc	*	4	52	39	*	*	*	*	*	*	*	*	
	Biarritz	1000.7	+1	52	+7	SSW	4	-	b	4	-	59	50	*	*	*	*	*	*	*	*	
	Paris	994.7	-1	45	+13	SSW	3	-	+	*	9	50	32	*	*	*	*	*	*	*	*	
	Strasbourg	1000.3	-1	39	+3	SSW	2	-	o	*	4	49	36	*	*	*	*	*	*	*	*	
	Besancon	1000.4	-	46	+12	SW	3	SE	bc	*	6	50	34	*	*	*	*	*	*	*	*	
	Clermont	994.9	45	S	3	o	1001.3	+2	43	+13	S	3	-</									



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,942 TUESDAY, 25<sup>TH</sup> MARCH, 1919.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 24<sup>TH</sup> March

STATIONS.		EVENING OF... 23 <sup>rd</sup> ...					MORNING OF... 24 <sup>th</sup> ...										AFTERNOON 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.	
				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.	Sviatonos ...						*							*	*								
	Kandalatska ...													*	*								
	Archangel ...													*	*								
	Soroka ...													*	*								
														*	*								
MEDITERRANEAN.	Algiers ...	1006.7	68	NW	3	0	1007.0		57	0	-	0	b	-	75	57							
	Malta ...	*	*	*	*	*								75	57								
	Salonica ...																						
	Athens ...																						
	Candia ...	1015.6	61	N	1	b	1021.7		54		SW	1	b	-	73	50							
	Limassol ...	*	*	*	*	*	1017.5		69	+2	-	0	b	-	68	43							
	Alexandria ...																						
	Cairo (Helwan) ...																						
ITALY.	Venice ...						*																
	Turin ...						*																
	Leghorn ...	1007.7	54	S	3	r	1006.1		57	+3	SW	2	bc	-	63	50							
	Rome ...	1009.3	54	SW	1	bc	1009.7		55	+5	SSW	2	0	-	59	52							
	Viesti ...	1012.5	54	N	2	b	1009.3		54		ESE	1	bc	-	61	?							
	Brindisi ...						*																
	Cagliari ...	1013.2	61	SE	3	c	1008.0		55		NW	4	bc	-	64	48							
	Palermo ...	1013.7	57	SW	2	b	1010.2		68		SSW	4	0	-	68	54							
	Tripoli ...						*																

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

STATIONS.	25 <sup>TH</sup> & 26 <sup>TH</sup> Mar 1919.		
	Sunrise.	Noon.	Sunset.
Yarmouth	5.48	11.59	6.11
Greenwich	5.46	11.54	6.15
Wick	5.54	12.6	6.18
Valencia	5.52	12.6	6.20
	6.4	12.18	6.35
	6.1	12.18	6.36
	6.35	12.47	6.57
	6.35	12.47	7.1

STATIONS.	Humidity.		Sun-shine for 24 h.	TEMPERATURE.			Rain-fall.	WEATHER.		
	7.5 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
<b>LONDON</b>										
25 <sup>TH</sup> March 9h. G.M.T.										
GREENWICH (Royal Observatory)	67	66	3.8	44	32	22	-	b. bc	c. 0	b. 0. x
CITY (Bunhill Row)	*	*	2.7	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	76	75	2.6	43	33	28	-	*	*	*
(Roof near Charing Cross)	80	78	1.0	45	33	*	-	c. m	c. m	0
CAMDEN SQ. (British Rainfall)	67	78	4.7	45	30	26	-	bc	c	*
KENSINGTON PALACE	*	87	*	42	32	25	-	c	0	*
RICHMOND PARK	*	*	2.3	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 24 h.		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
700	15.8	55

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

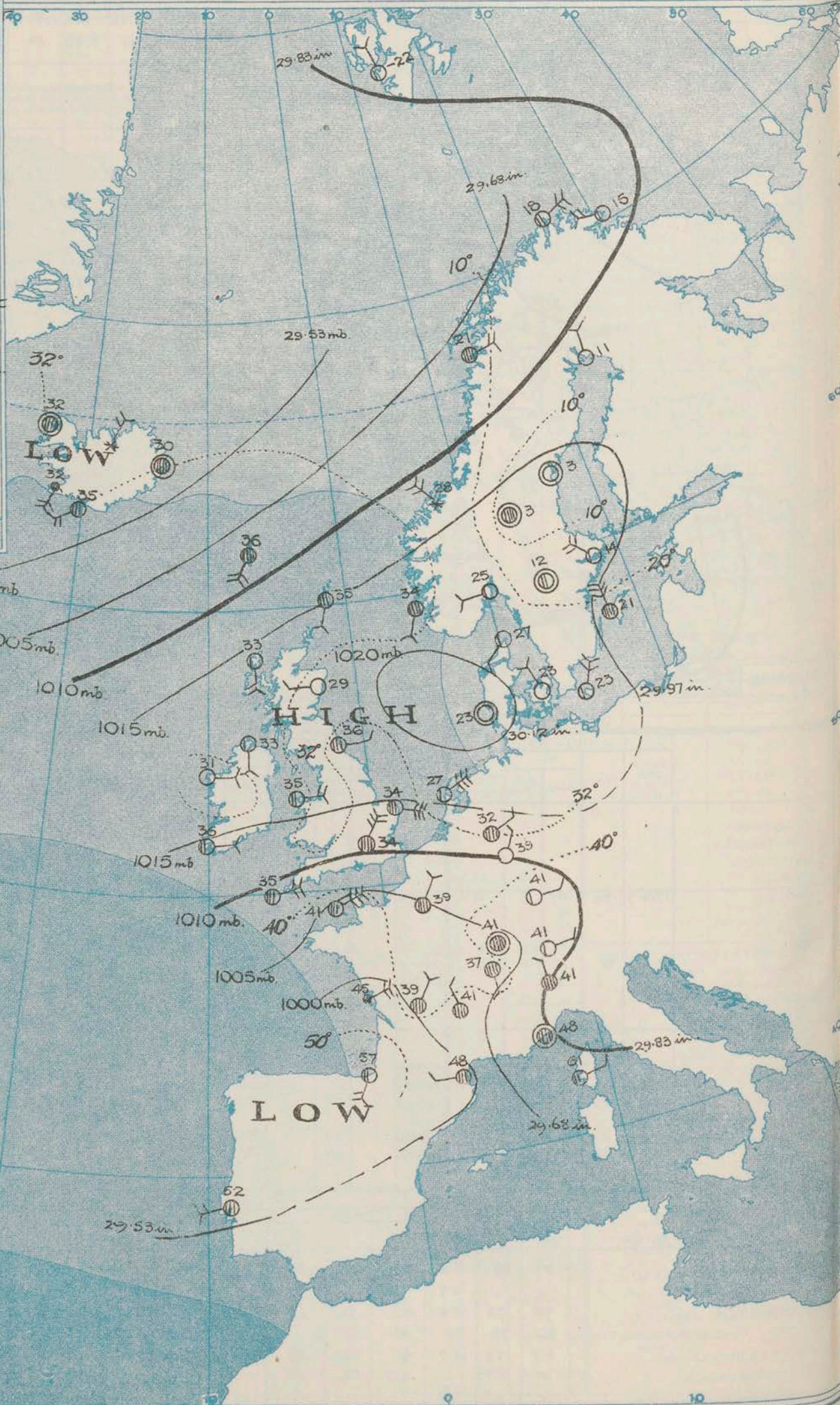
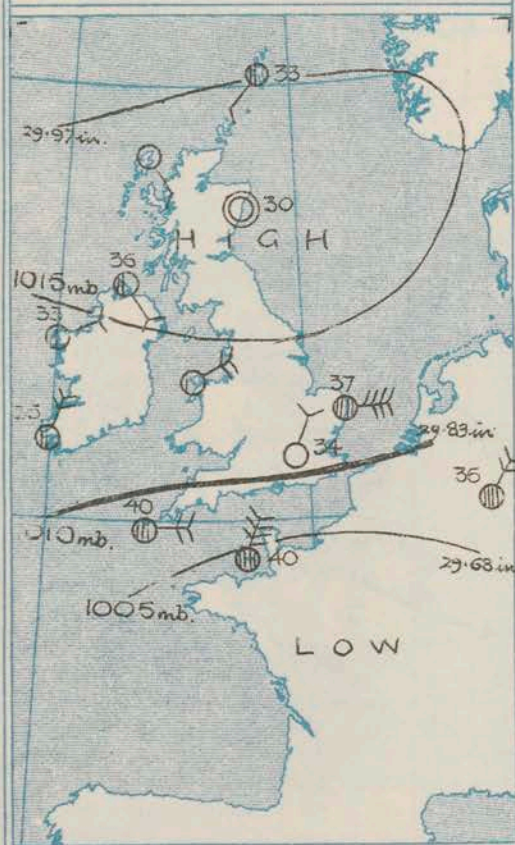
\* The barometric change is expressed in half-millibars.



25<sup>TH</sup> MAR, at 1h. G.M.T.

THE MORNING OF TUESDAY, 25<sup>TH</sup>

MARCH, 1919 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.

SCALE 1 : 250  
Nautical Miles  
Statute Miles

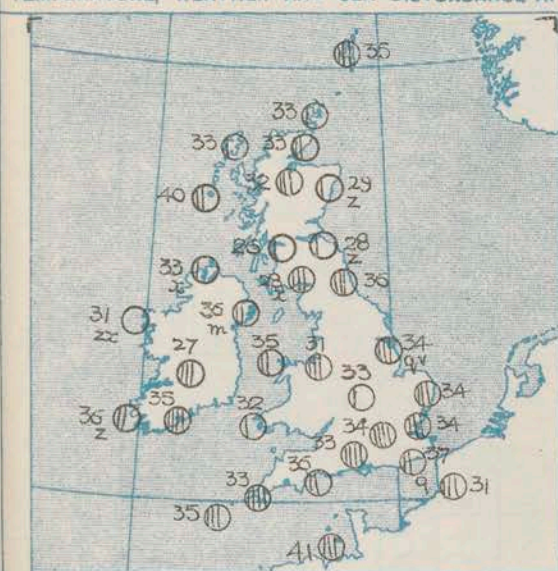
Normal Temperature of the Sea.

Below 40° 40°-50° 50°-60° Above 60°

Scale of Tints for MARCH.



TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

SOUTH FARNBOROUGH:  
24<sup>th</sup>: 7h. 45m.  
22° Halo, 46° Halo,  
and Sunpillar.

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

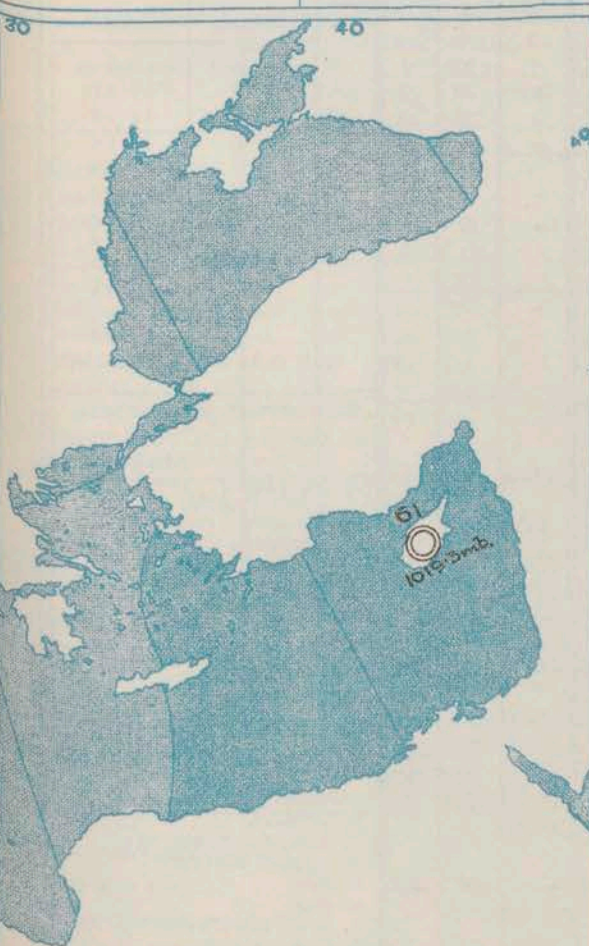
The temperature nowhere reached 50°, and frost occurred at night locally, the lowest minimum being 21° at Eskdalemuir. There was practically no rain. Sunshine records were good, 10 hours at Malin Head and Nairn, and 9½ hours at Yarmouth.

The Conditions at 7h. Today

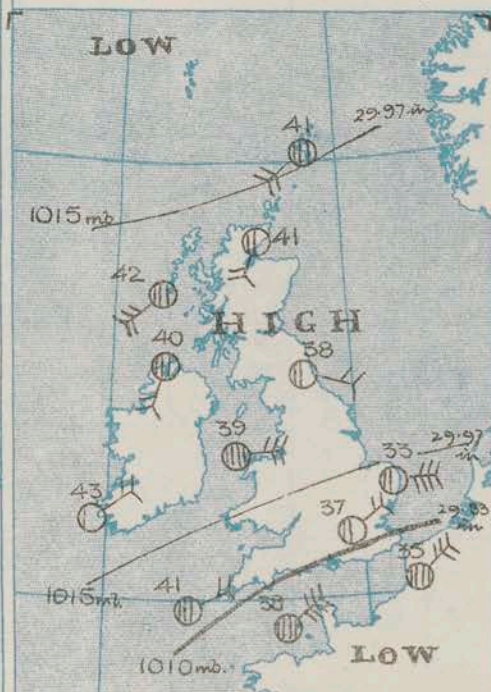
An anticyclone of moderate intensity covers the northern half of the United Kingdom and the Central part of the North Sea, the highest reading being 1020.7 mb. at Blaavands Huk. The wind is light or moderate from SW. from the Hebrides round to the Shetlands, and light and variable over Scotland. Over England and Ireland it is from the East, and blows strongly in East Anglia and over the English Channel. The weather is fair to dull generally, but fine locally in Scotland. The temperature is nowhere above 40°, and is below the freezing point at most Scottish stations, and also at Liverpool.

The Outlook

In the north of Scotland the wind will become somewhat stronger from SW, but will continue to blow from the East over the Southern half of the Kingdom, with little change of speed. Fair, cold weather may be expected in all districts, with local showers of sleet or snow in Scotland.



TUESDAY, 25<sup>th</sup> MARCH, 1919, at 13h. (1p.m.) G.M.T.



The 13h. chart shows scarcely any change since this morning.



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.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	Temp.		Wind.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall Milli- metres.	Temp.		Weather.									
			Dir.	Force				Dir.	Force						Max.	Min.	Morning.	Afternoon.	Night.							
BRITISH ISLANDS.	Lerwick ...	1012.6	36	WSW	1	b	1014.9	0	35	+3	SSW	2	S	c	2	1	39	31	c	bc	cps	*				
	Houton B. (Orkney) ...	1014.2	35	NW	1	b	1016.3	-0	33	+3	SW	2	*	b	2	*	39	30	b.bev	bc.v	zv	*				
	Stornoway ...	1013.3	39	SE	1	bc	1015.8	0	33	+3	S	3	-	b	2	1	43	30	bc	bc	bc.b	7.4				
	Castlebay (Barra Isd.) ...	1013.5	40	ESE	1	b	1016.5	+1	40	+4	SSW	4	-	bc	4	-	41	35	c.b	b	bc	8.7				
	Glasgow ...	1013.7	36	NE	2	bc	1019.7	+3	26	-3	ENE	1	-	b	8	-	39	25	bc.c	c.bc	bc.bx	7.2				
	Eskdalemuir ...	1013.5	32	NNE	3	cv	1019.2	+2	28	+1	-	0	-	cx	2	-	37	21	bc.ops	c.ash.bc	bc.bx	4.1				
	Malin Head ...	1012.7	38	E	3	b	1015.6	+1	33	-3	S	2	-	bx	2	-	42	30	bc.v	b	bc	10.0				
	Blackod Point ...	1011.3	39	ENE	2	c	1016.2	+1	31	-2	E	2	-	bx	2	-	42	30	bc	bcz	bc.bz	*				
	Valencia (Cahirciven) ...	1010.1	39	ENE	3	cz	1014.8	+2	36	+2	E	2	-	bcz	3	-	42	34	c.c.bcz	bc.cz	c.bc	3.9				
	Roche's Point ...	1009.5	40	ENE	2	c	1014.3	+3	35	+3	ENE	2	-	c	2	-	44	32	b.bc	bc.c	b.o	*				
	Birr Castle ...	1010.8	35	NE	1	c	1016.1	*	27	0	E	1	E	c	*	0.3	41	26	cps	cpsh	cx	5.8				
	Donaghadee ...	1011.2	40	ESE	3	bcz	1017.2	+2	36	+1	ESE	3	SE	bcu	2	-	43	33	bcu.bcu	bcz	cg.bcu	*				
	Liverpool (Bidston) ...	1010.2	38	ENE	3	bc	1016.1	+1	31	0	ENE	1	E	c	2	-	41	30	bcu	bcu	bcu	5.2				
	Holyhead ...	1009.4	41	E	5	bcu	1015.7	+1	35	0	E	4	E	bc	2	-	42	34	bcu	bcu	bcu	8.3				
	Pembroke (St. Ann's) ...	1008.3	41	NE	3	bc	1013.6	+2	32	0	NE	4	-	b	2	-	43	31	c	c	c.bc.b	6.7				
	Scilly (St. Mary's) ...	1005.7	42	ENE	2	o	1009.7	+1	35	-5	ENE	4	E	c	5	-	44	35	c.o	o	c	2.1				
	Falmouth ...	1005.4	43	NE	3	cyz	1009.9	+1	33	-3	NE	2	-	o	*	-	47	32	oz.bcy	o.cy.oz	b.bq.b	3.2				
	Jersey (St. Aubin) ...	1002.0	40	NE	6	c	1004.9	0	41	-3	ENE	6	NE	c	5	1	44	39	o.o	o.c	c	0.2				
	Portland Bill ...	1003.9	42	ENE	5	bc	1007.5	+2	36	0	ENE	6	-	bc	5	-	44	34	bc	bc	bc	*				
	Dunegness ...	1002.6	40	E	7	bcq	1008.2	+2	37	-2	E	7	E	bcq	6	-	44	35	c.bcy	bcq	bcq.c	*				
	Wick ...	1013.8	34	W	2	bc	1016.1	+1	33	+6	WSW	2	-	bc	2	-	41	27	bc	bc	bcu	*				
	Nairn ...	1013.0	36	-	0	b	1017.0	*	32	+3	-	0	-	cg	0	-	42	23	bc	bc.b	bc.bx	10.2				
	Aberdeen ...	1014.0	37	NE	1	bc	1018.8	+2	29	0	W	1	-	bz	2	2	44	27	b.bcy	bcv	bc.bx	6.0				
	Leith ...	1013.4	38	NE	2	b	1018.9	+1	28	-5	W	1	E	bz	1	-	42	28	b.bcu	c.bc.b	b.bx	*				
Tynemouth ...	1011.9	37	ENE	2	bc	1016.9	+2	36	+1	E	1	-	c	3	1	42	34	c	bc	bc	*					
Spurn Head ...	1009.6	37	NNE	4	bcqv	1015.6	+1	34	-3	ENE	5	-	cg.v	5	-	41	32	bcqv	bcqv	bcqv	7.5					
Yarmouth (Gorleston) ...	1007.2	37	ENE	7	bc	1014.1	+1	34	-4	ESE	6	-	c	6	-	41	33	bc	bc	bc.c	9.5					
Clacton-on-Sea ...	1006.6	37	NNE	6	bc	1012.7	+3	34	-4	NE	6	NE	c	5	-	43	33	c.bc	bc.c.bc	bc.o	7.2					
Nottingham ...	1009.8	37	NE	4	bc	1015.6	*	33	+1	E	2	-	b	*	Trace	41	31	c.o	c.bc	bc.b	6.3					
Benson (Oxon.) ...	1006.7	38	NE	3	c	1012.6	+4	33	+2	ENE	4	-	o	*	-	42	30	bc.c.c	o.c	b.o	*					
St. Farnborough ...	*	*	NE	5	om	1011.7	+2	33	-1	ENE	4	-	o	*	-	43	30	c.c.om	op.om	o.b.o	3.2					
London (Kew Obs.) ...	1006.9	39	NE	4	o	1012.4	+3	34	-1	NE	5	-	o	*	-	42	32	cm.c.o	o.bc.oh	abc.b.o	2.5					
NORTHERN EUROPE, ICELAND, &c.	Isafjord ...	997.9	34	-	o	bc	998.1	0	32	-4	-	0	-	o	*	*	*	*	THE BEAUFORT SCALE OF WIND FORCE.							
	Reykjavik ...	1000.3	36	-	o	o	998.3	0	32	-2	SSW	4	-	t	*	*	*	*								
	Vestmanna ...	1001.1	37	E	3	r	998.6	0	35	+3	WSW	3	-	c	-	*	*	*	Limits of Velocity.							
	Seydisfjord ...	1002.4	37	WSW	3	o	996.2	-4	30	+1	-	0	-	o	*	*	*	*								
	Thorshavn ...	1011.9	34	SW	1	o	1008.2	-4	36	+7	SSW	4	-	o	*	*	*	*	No.	Statute miles per hour.	Metres per second.					
	Spitsbergen ...	1009.1	-8	-	o	o	1011.1	+1	-22	N	2	*	b	*	*	-8	-24									
	Vardö ...	1006.9	16	ENE	5	o	1008.6	0	16	+2	WNW	3	-	b	3	*	16	10								
	Gjesvær ...	1007.8	12	E	4	c	1006.0	*	18	+2	E	4	-	bc	4	3	21	12								
	Bodö ...	1007.9	30	E	1	b	1005.3	-3	21	+11	E	3	-	o	2	-	30	9								
	Christiansund ...	1009.7	23	NW	4	s	1012.2	+1	28	+3	NW	4	-	s	4	20	28	19								
	Skudesnaes ...	1014.6	27	-	0	b	1018.3	+3	34	+9	SSW	2	-	o	2	-	34	23								
	Færder (Xanlaafjord) ...	1011.9	27	N	4	b	1017.0	+3	25	+7	W	2	N	b	1	-	27	18								
Haparanda ...	1008.6	1	N	2	b	1013.5	+2	-11	-10	N	2	-	b	0	-	12	-15									
Hernösand ...	1009.3	14	NW	6	b	1015.9	+3	0	-10	-	0	-	b	0	-	18	-8									
Stockholm ...	1005.2	16	NNW	6	o	1015.4	+5	14	+7	NW	4	-	b	0	Trace	16	7									
Wisby ...	1005.0	19	NNW	9	o	1014.6	+6	21	+3	N	6	-	o	6	-	21	16									
Karlstad ...	1010.1	19	NW	2	b	1018.4	+4	12	+3	-	0	-	bc	*	-	25	7									
FRANCE, &c.	The Scaw (Haugen) ...	1010.4	25	N	4	b	1017.3	+2	27	+12	SW	2	-	b	2	-	45	19								
	Blaavands Huk ...	1011.8	25	NE	2	b	1020.7	+3	23	-2	-	0	-	b	*	-	30	16								
	Copenhagen ...	1008.7	25	N	3	b	1019.3	+5	23	-4	NNW	2	-	b	*	-	27	13								
	Bornholm ...	1006.7	23	N	3	b	1017.5	+5	23	-5	NNE	4	-	b	1	-	28	18								
	The Helder ...	1007.8	37	NE	6	b	1016.6	+3	27	-7	ENE	6	-	b	3	Trace	39	27								
	Brussels ...	1001.2	39	ENE	?	o	1000.0	+3	32	0	ENE	1	-	o	*	2	-	-								
	Coblentz ...	1003.1	32	-	0	f	1000.0	+3	32	0	ENE	1	-	o	*	2	-	-								
	C. Gris Nez ...	1002.9	?	ENE	7	o	1015.9	+2	34	-2	ENE	6	E	c	6	-	43	32								
	La Hève ...	1001.0	37	NE	5	r	?	?	34	-3	?	4	-	r	4	26	41	32								
	Cherbourg ...	1006.4	41	-	2	ENE	5	-	41	-2	ENE	5	-	o	6	3	43	39								
	Brest (St. Mathieu) ...	1003.9	43	NE	4	c	1008.7	0	41	-2	NE	4	-	o	2	1	45	39								
	Rennes ...	1003.2	41	N	4	o	1003.4	+1	37	-8	NNE	3	-	o	-	-	48	37								
Rochefort (des Faux) ...	1011.1	50	WSW	4	b	998.7	-1	45	-5	ENE	4	-	r	2	2	54	41									
Biarritz ...	1000.4	54	NE	3	b	996.0	-1	57	+5	SSW	3	S	bc	2	2	61	48									
Paris ...	998.9	45	WNW	1	r	1005.0	+2	39	-7	NE	2	-	o	*	5	55	39									
Strasbourg ...	1001.1	52	S	2	bc	1007.4	+3	39	0	NE	1	W	b	*	1	59	32									
Besancon ...	1004.3	*	-	0	-	1004.3	*	41	-5	-	0	E	o	*	-	59	36									
Clermont ...	1002.1	52	SSW	2	b	1001.5	-2	41	-2	S	2	-	o	*	-	59	39									
Limoges ...	1001.5	*	-	0	-	1001.5	*	39	-6	NE	2	E	o	*	-	57	36									
Nice ...	1006.4	48	-	0	o	1008.4	+2	48	-	0	-	0	3	Trace	57	41										
Sicie ...	1003.9	50	E	4	f	*	*	*	*	*	*	*	*	*	*	*	*	*								
Perpignan ...	1003.6	52	-	0	bc	999.8	-3	48	0	W	1	-	c	-	-	61	43									
IBERIA, &c.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
	Madrid ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
	Lisbon ...	993.1	55	SW	5	o	999.0	+3	52	-	WSW	3	-	c	-	2	59	50								
	Azores (Horta) ...	1018.1	*	N	4	c	*	*	*	*	*	*	*	*	*	*	*	*								
	„ (P. Delgada) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
Madeira ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
Gibraltar ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								

\* Information for these columns not usually received.

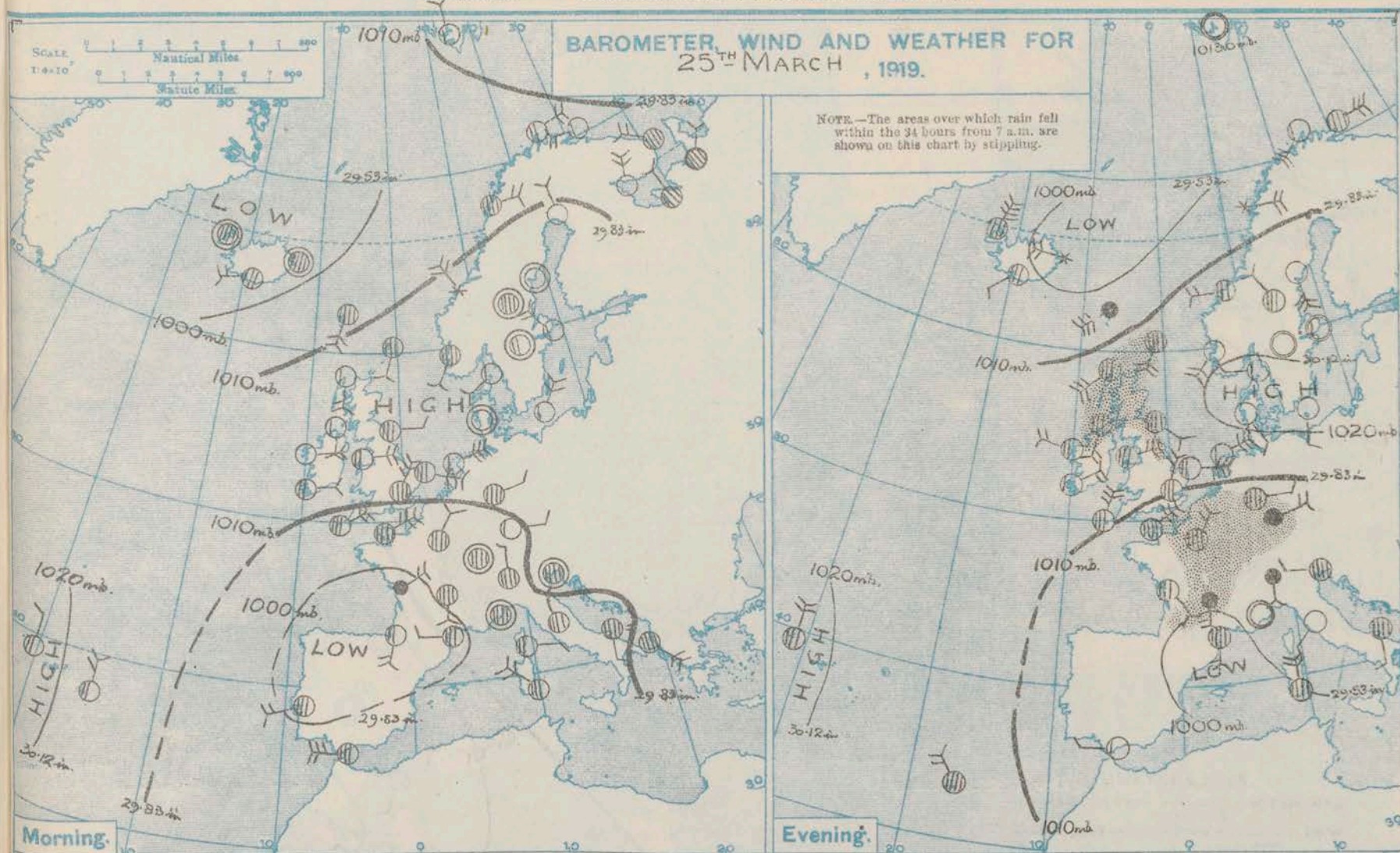
† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,943 WEDNESDAY, 26<sup>TH</sup> MARCH 1919.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF MARCH 25<sup>TH</sup>

STATIONS.	EVENING OF 24 <sup>TH</sup>					MORNING OF 25 <sup>TH</sup>					AFTERNOON OF 25 <sup>TH</sup>				
	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12.	Weather.	Barom. Millibars at M.S.L.	Change in 8 hours.	Dry Bulb. °F.	Change in 24 hours.	Wind Direc.	Force 0-12.	Weather.	Rain-fall. Millimetres.	Temp. Max. °F.	Min. °F.
<b>RUSSIA.</b>															
Sviatonos ...															
Kandalatska ...															
Archangel ...															
Soroka ...															
<b>MEDITERRANEAN.</b>															
Algiers ...															
Malta ...															
Salonica ...															
Athens ...															
Candia ...															
Limassol ...															
Alexandria ...															
Cairo (Helwan) ...															
<b>ITALY.</b>															
Venice ...	1008.1	50		0	o	1010.3	*	48	?		0	o	1	54	48
Turin ...															
Leghorn ...	1007.9	57		0	b	1009.3	*	54	-3		0	bc	-	63	54
Rome ...	1009.1	57	SE	3	b	1009.7	*	50	-5	N	1	o	-	63	48
Viesti ...	1009.0	57	SE	1	bc	1009.5	*	55	+1	S	1	o	-	61	?
Brindisi ...	1013.3	55	SE	3	b	1012.3	*	57	?	SSE	4	o	-	61	57
Cagliari ...	1004.3	63	SE	3	bc	1007.0	*	55	0	WNW	4	c	-	68	48
Palermo ...	1008.9	72	S	2	o	1008.6	*	73	+5	S	1	f	-	77	59
Tripoli ...															

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

Mar 26 <sup>th</sup> & 27 <sup>th</sup> 1919.	Sunrise, Noon, Sunset.		
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	5.45	11.53	6.17
Greenwich ...	5.42	11.59	6.15
Wick ...	5.50	12.05	6.22
Valencia ...	6.1	12.16	6.36
	5.53	12.16	6.38
	6.33	12.47	7.1
	6.31	12.47	7.1

LONDON	Humidity.		Sun-shine for 24 hours.	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
March 26 <sup>th</sup> 9h. G.M.T.	25 <sup>th</sup>	26 <sup>th</sup>	25 <sup>th</sup>	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory) ...	59	72	6.4	40	33	31	-	o.bc	bc	o
CITY (Bunhill Row) ...	*	*	5.7	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ...	63	75	5.8	40	34	34	-	*	*	*
(Roof of Admiralty Arch) ...	67	68	5.5	44	33	*	-	omq	czq	z.bcq
CAMDEN SQ. (British Rainfall) ...	57	75	5.7	43	33	33	-	o.c.	b	*
KENSINGTON PALACE ...	*	84	*	40	33	30	-	o	bc	*
RICHMOND PARK ...	*	*	*	*	*	*	*	*	*	*

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.
1056	23.7	55

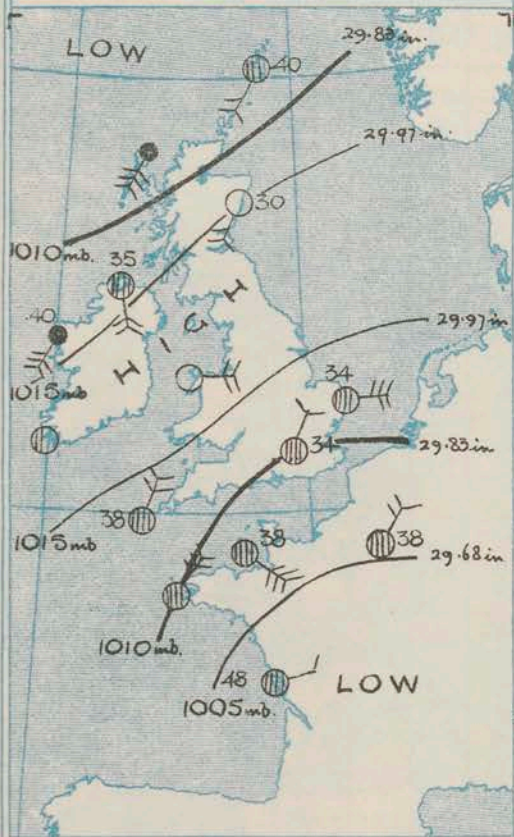
NOTE.—The thermometers at Greenwich and Camden Square are in Galsler screens.

† The barometric change is expressed in half-millibars.






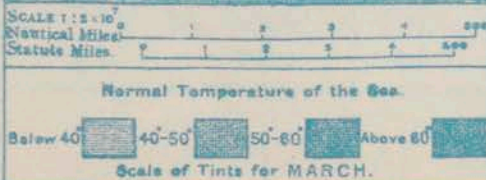
26<sup>TH</sup> MAR, at 1h. G.M.T.

THE MORNING OF WEDNESDAY, 26<sup>TH</sup> MARCH, 1919 at 7h. G.M.T.

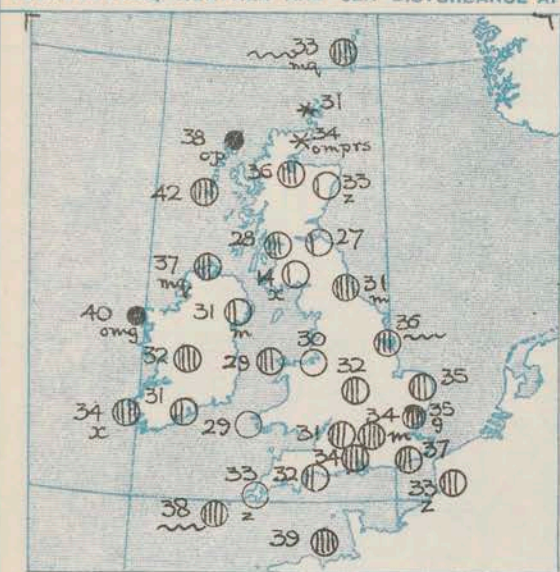


# EXPLANATION.

**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.  
 K, thunderstorm.  
**SEA DISTURBANCE.**—Rough  High 







NOTES.

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

The highest temperature recorded over the British Isles was 45° only, in the west of Ireland. A severe frost occurred at Eskdale, the minimum being as low as 12°. At most stations the minimum was slightly below 32°. Little rain fell, 3 mm. at Stornoway and 2 mm. at Blacksod Point and Lerwick. There were 10 hours of bright sunshine at Valencia and Aberdeen, and 7 or 8 hours at several stations.

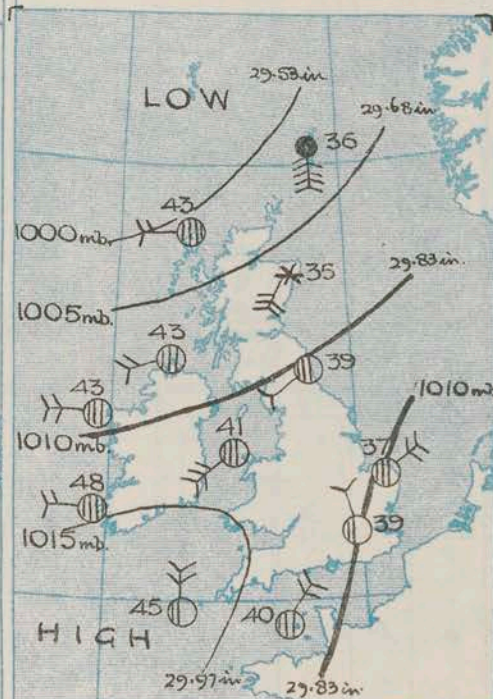
The Conditions at 7h. Today

Pressure is highest on our south-west coasts. A depression off the Hebrides is causing the barometer to fall over the United Kingdom generally, but a slow rise is taking place over the Channel. In the north of Scotland and Ireland the wind is from SW, moderate in force except in the Orkneys and Shetlands, where it has become strong. In the south of England the wind has backed to NNE, and is moderate or fresh in force. The weather is mostly dull, but is fine at a few stations. Rain or sleet is falling generally from Blacksod Point round to the Orkneys. The temperature is above 40° only at Castlebay, and is as low as 14° at Eskdalemuir. In the south of England the thermometer is not far from the freezing point.

The Outlook

The wind is likely to become SWly. before long in all districts, and will be fresh or strong at times over the northern half of the United Kingdom. The weather will be mainly dull, with some rain and a much higher temperature than of late.

WEDNESDAY, 26<sup>th</sup> MARCH, 1919, at 13h. (1p.m.) G.M.T.



The wind has not so far backed beyond north over the English Channel, but with the continued fall of the barometer in the north is likely to do so before long. The outlook generally is similar to what it was at 7h.



STATIONS.	EVENING OF... 23 <sup>TH</sup> ...					MORNING OF... 24 <sup>TH</sup> ...										24 HOURS ENDED 7 h. 24 <sup>TH</sup> ...							Sun-shine for 25 <sup>TH</sup> Hours.
	Barom. Mili-bars at M.S.L.	TEMP.	WIND.		Weather.	Barom. Mili-bars at M.S.L.	Change in 2 hours.	TEMP. Dry Bulb.	Change in 24 hours.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain-fall. Mili-metres.	TEMP.		WEATHER.					
			Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning	Afternoon	Night			
BRITISH ISLANDS.	Lerwick ...	1013.2	40	SSW	4	om	1005.9	-5	33	-2	S	7	-	omq	5	2	43	33	c	cm	omp	25	
	Houton B. (Orkney) ...	1014.0	38	S	4	om	1005.7	-5	31	-2	S	5	*	s	4	*	40	31	bc. cv	cz	efs	5.5	
	Stornoway ...	1012.2	41	SW	5	cq	1004.1	-1	38	+5	SW	3	-	op	2	3	44	33	bcq	bc. cq	c. op	7.7	
	Castlebay, (Barra Isd.) ...	1014.5	42	SW	5	o	1006.2	-1	42	+2	WNW	4	-	o	4	1	43	39	bc	c. o	op o	4.9	
	Glasgow ...	1017.6	36	SSE	1	om	1012.2	-3	28	+2	SE	2	NW	cm	*	0.1	40	24	b. bcc	c. h. c	oc. bnc	2.1	
	Eskdalemuir ...	1018.2	32	ENE	1	o	1014.9	-3	14	-14	-	0	-	bz	*	-	37	12	cx. ov	asp. o	bz	6.9	
	Malin Head ...	1015.8	40	SSW	3	c	1007.7	-5	37	+4	SW	5	SW	cmq	4	-	45	33	bc	bc	cmq	*	
	Blackod Point ...	1017.2	40	WNW	3	bc	1010.9	-2	40	+9	W	3	-	omgr	4	2	45	30	bcz	bcz	omamr	*	
	Valencia (Cahirciveen) ...	1017.0	40	ENE	3	b	1016.4	-2	34	-2	E	1	-	oz	3	-	44	29	bc. by	b. bcq	bz. o	10.4	
	Rochie's Point ...	1016.6	39	NNE	2	o	1017.2	-1	31	-4	NNE	1	NE	bc	1	0.1	41	31	o. c. o	o	o. b. bc	*	
	Birr Castle ...	1016.8	34	E	1	c	1014.2	*	32	+5	S	1	-	o	*	-	41	26	c	c	c. c. o	4.9	
	Donaghadee ...	1017.1	39	SE	3	bcz	1012.9	-3	31	-5	SW	2	SW	bem	2	-	43	26	bem	bcz	bem	*	
	Liverpool (Bidston) ...	1016.4	33	E	3	m	1014.1	-2	30	-1	E	1	-	b	1	-	36	29	c. om	om	c. c. b	0.2	
	Holyhead ...	1016.1	37	E	5	cmq	1014.7	-1	29	-6	SW	3	NW	c	1	-	41	28	bc. c. og	om. cmq	o. b. bc	2.2	
	Pembroke (St Ann's) ...	1014.7	35	NE	3	b	1015.7	+1	29	-3	NNE	1	-	b	2	-	39	26	bc	c. bc	bc. o. bc	4.2	
	Scilly (St. Mary's) ...	1011.9	37	NE	4	c	1014.5	+1	38	+3	NNE	4	NE	o	5	-	44	35	c	c	o	4.7	
	Falmouth ...	1011.4	38	NNE	3	bcy. z.	1013.4	+1	33	0	N	5	-	cz	*	-	43	30	bc. bcu	c. bc. z	b. bc	7.1	
	Jersey (St. Aubin) ...	1005.9	40	NE	6	o	1008.6	+1	39	-2	N	4	-	o	3	-	41	38	c. o	o	o	0.0	
	Portland Bill ...	1009.5	38	NE	5	bc	1010.2	+1	32	-4	NNE	5	-	bc	4	-	40	32	bc. c	c. bc	bc	*	
	Dungeness ...	1007.4	39	NE	6	og	1007.3	+1	37	0	NE	4	E	c	4	-	40	35	cq	cq. o	o. c. c	*	
NORTHERN EUROPE, ICELAND, &c.	Wick ...	1014.2	40	SW	3	c	1005.7	-3	34	+1	SSW	4	-	ompr. s	4	0.2	42	33	bc	bc. c	bc. ops	*	
	Nairn ...	1014.5	39	WNW	2	bc	1006.1	*	36	+4	NW	2	-	cu	2	-	46	31	c. bc	bc	bc. eg	9.4	
	Aberdeen ...	1017.6	37	S	3	bz	1010.5	-4	33	+4	SSW	3	SW	bz	2	-	43	29	bz. bvy	bvy. bz	bz	10.2	
	Leith ...	1017.6	36	SE	1	c	1012.3	-1	27	-1	E	1	E	b	1	-	40	27	bz. cmc	c. bc. c	cb. bxc	*	
	Tynemouth ...	1018.1	34	ESE	2	o	1013.2	-2	31	-5	SE	2	-	om	3	-	40	31	bc	o	om	*	
	Spurn Head ...	1015.7	34	E	4	cqv	1011.8	-2	36	+2	NE	2	-	c	5	-	36	32	cqv	cqv	c	0.0	
	Yarmouth (Gorleston) ...	1013.7	35	E	7	bc	1010.1	-1	35	+1	NE	4	-	c	4	-	36	32	c. bc	bc	bc. ac	8.4	
	Clacton-on-Sea ...	1011.8	37	NE	5	c	1009.1	0	35	+1	N	3	-	og	3	-	38	32	c. bc	bc. c	c. og	8.7	
	Nottingham ...	1015.4	33	ENE	4	c	1012.2	*	32	-1	NNW	3	NE	c	*	Trace	35	31	c. o	asp. c	c. o	1.4	
	Benson (Oxon.) ...	1011.9	34	NE	4	b	1010.9	+1	31	-2	N	3	-	c	*	-	39	29	o. c	b	b. o	*	
	St. Farnborough ...	*	*	NE	5	o	1010.3	+2	34	+1	NNE	3	-	o	*	-	39	32	o. c. o. cm	cm. bc. o	o	6.7	
	London (Kew Obs.) ...	1012.0	36	NE	3	cz	1010.2	+2	34	0	NNE	2	-	om	*	-	38	33	o. c. bcz	bcz. bz. cz	cz. o. om	6.4	
	THE BEAUFORT SCALE OF WIND FORCE.	Isafjord ...	1005.3	25	NNE	7	o	1011.9	-7	19	-13	NE	8	-	o	*	*	*	*				
		Reykjavik ...	1001.5	32	NE	3	s	1004.2	0	25	-7	E	8	-	b	*	*	*	*				
		Vestmanna ...	1000.6	34	SW	1	c	1000.4	-2	25	-10	N	6	-	b	2	*	*	*				
		Seydisfjord ...	992.8	36	W	4	s	997.6	-1	30	0	N	8	-	s	*	*	*	*				
		Thorshavn ...	1001.2	39	WSW	6	r	996.2	-4	34	-2	WSW	4	-	c	*	*	*	*				
		Spitsbergen ...	1013.0	-27	-	0	b	1007.5	-3	-18	+4	NW	1	*	b	*	*	-18	-35				
		Vardö ...	1010.1	14	SW	5	b	1009.6	0	12	-4	SSW	5	-	b	3	*	16	12				
		Gjesvær ...	1005.6	19	E	5	o	1003.9	*	16	-2	SE	8	-	b	4	-	23	14				
Bodö ...		1005.1	25	E	4	s	1004.8	-2	30	+9	E	2	-	s	2	?	30	18					
Christiansund ...		1012.8	36	W	3	c	1010.5	-2	37	+9	SW	2	-	b	3	7	37	28					
Skudesnaes ...		1018.9	34	SW	4	b	1015.7	-4	32	+2	SE	5	-	c	2	-	37	30					
Færder (Xaniafjord) ...		1019.7	36	WSW	2	b	1016.6	-1	32	+7	SW	2	NW	b	1	-	36	25					
BEAUFORT NOTATION.	Haparanda ...	1014.4	9	S	2	b	1013.0	0	9	+20	SE	4	-	s	*	*	9	-11					
	Hernösand ...	1014.4	25	S	4	b	1013.3	+1	27	+27	-	0	-	b	*	-	27	-4					
	Stockholm ...	1019.4	21	-	0	b	1018.4	-1	27	+13	SW	2	-	b	*	-	27	14					
	Wisby ...	1021.2	25	N	2	b	1021.1	-0	30	+9	SW	2	-	b	3	-	30	18					
	Karlstad ...	1018.3	28	-	0	b	1018.6	0	21	+9	-	0	-	bc	*	-	32	9					
	The Scaw (Skagen) ...	1007.3	32	W	1	b	1018.3	+1	32	+5	SSW	2	-	b	2	-	37	25					
	Blaavands Huk ...	1021.9	30	SE	1	b	1017.1	-4	25	+2	ESE	2	-	c	*	-	37	18					
	Copenhagen ...	1022.7	28	SW	2	b	1020.4	-2	28	+5	SE	3	-	b	*	-	30	21					
	Bornholm ...	1022.3	25	S	1	b	1021.2	-2	27	+4	SE	3	-	b	0	-	27	19					
	FRANCE, &c.	The Helder ...	1013.9	36	ENE	6	b	1009.1	-1	28	+1	ENE	4	SW	bc	2	-	36	21				
		Brussels ...	1007.8	39	ENE	?	o	1005.9	-1	32	0	E	1	-	r	*	*	*	*				
		Coblenz ...	1010.4	36	E	1	d	1005.9	-1	32	0	E	1	-	r	*	*	*	*				
C. Gris Nez ...		...	...	...	...	...	1007.9	+2	37	+3	ENE	5	NE	o	4	-	39	34					
La Hève ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
Cherbourg ...		...	...	...	...	...	1008.4	+2	39	-2	N	5	-	o	5	-	43	37					
Brest (St. Mathieu) ...		1007.9	39	NE	5	o	...	...	...	...	...	...	...	...	...	...	...	...					
Rennes ...		...	...	...	...	...	1008.4	+4	39	+2	NNE	5	-	o	-	2	43	37					
Roche fort (le d'Aix) ...		1011.7	55	SE	2	c	...	...	...	...	...	...	...	...	...	...	...	...					
Biarritz ...		...	...	...	...	...	1007.5	+4	50	-7	NW	5	-	r	3	Trace	63	50					
Paris ...		1002.9	46	NE	3	o	1004.8	+3	41	+2	NNE	2	-	o	*	3	48	39					
Strasbourg ...		1005.9	41	NE	3	r	1005.1	+1	39	0	SW	3	-	r	*	6	46	36					
Besançon ...	...	...	...	...	...	1005.2	*	45	+4	SW	2	E	o	*	8	50	41						
Clermont ...	1001.6	45	S	3	r	1005.7	+3	39	-2	S	1	-	bc	*	26	46	37						
Limoges ...	...	...	...	...	...	1004.7	+2	37	-2	W	5	-	o	*	-	43	37						
Nice ...	1006.0	50	E	4	c	...	...	...	...	...	...	...	...	...	...	...	...						
Sicie ...	1008.1	50	E	5	r	...	...	...	...	...	...	...	...	...	...	...	...						
Perpignan ...	998.9	59	S	3	o	1006.7	+4	45	-3	-	0	-	b	-	-	70	39						
IBERIA, &c.	Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
	Madrid ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
	Lisbon ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
	Azores (Horta) ...	1022.3	*	NNE	4	c	1023.8	0	52	-	-	0	*	c	2	2	57	52					
	" (P. Delgada) ...	*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
Madeira ...	1015.9	59	NW	3	o	1017.6	0	50	-	N	3	N	o	3	3	63	50						
Gibraltar ...	1011.8	53	W	3	b	1011.8	*	51	-	NW	1	*	bc	2	5	61	50						

\* Information for these columns not usually received.

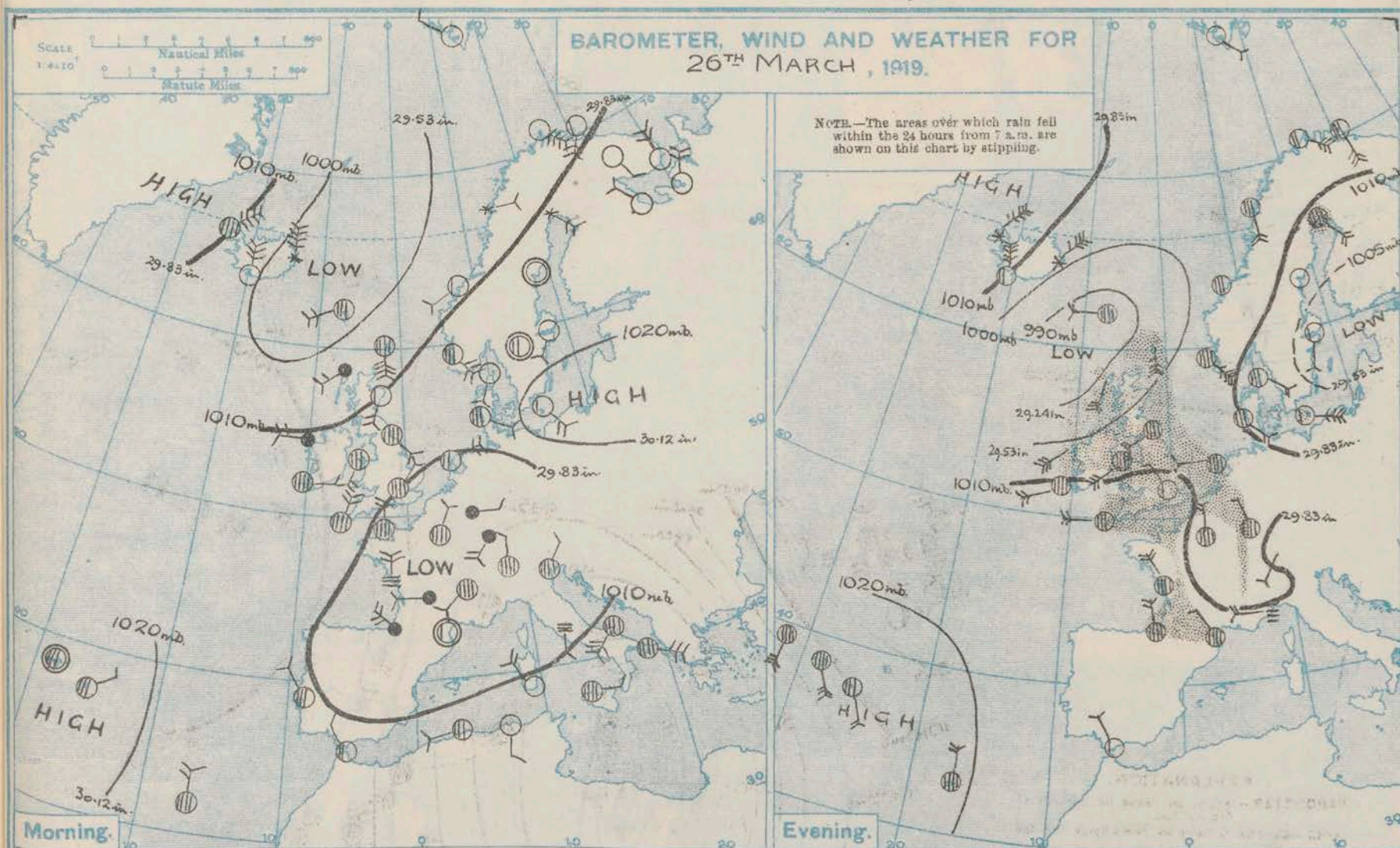
† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,944, THURSDAY, 27<sup>th</sup> MARCH, 1919.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 26<sup>th</sup> March

STATIONS.	EVENING OF 25 <sup>th</sup> ...					MORNING OF 26 <sup>th</sup> ...					AFTERNOON OF 26 <sup>th</sup> ...				
	Barom. Milli-bars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12.	Weather.	Barom. Milli-bars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Change in 24 hours. °F.	Wind Direc.	Force 0-12.	Weather.	Rain-fall. Milli-metres.	Temp. Max. °F.	Min. °F.
<b>RUSSIA.</b>															
Sviatonos ...	*	*	*	*	*		*							*	*
Kandalatska ...	*	*	*	*	*		*							*	*
Archangel ...	*	*	*	*	*		*							*	*
Soroka ...	*	*	*	*	*		*							*	*
<b>MEDITERRANEAN.</b>															
Algiers ...	*	*	*	*	*		*							*	*
Malta ...	*	*	*	*	*		*							*	*
Salonica ...	*	*	*	*	*		*							*	*
Athens ...	*	*	*	*	*		*							*	*
Candia ...	*	*	*	*	*		*							*	*
Limassol ...	*	*	*	*	*	1019.3		61	0	-	0	bc	-	68	48
Alexandria ...	*	*	*	*	*		*							*	*
Cairo (Helwan) ...	*	*	*	*	*		*							*	*
<b>ITALY.</b>															
Venice ...	1009.8	54	-	0	0	1005.5	*	52	+4	-	0	0	2	57	50
Turin ...							*								
Leghorn ...	1007.1	57	SSW	2	2	1009.4	*	55	+1	N	2	bc	-	61	43
Rome ...	1005.8	?	SW	1	0	1010.3	*	55	+5	S	2	f	-	70	54
Viesti ...	1008.2	54	S	1	0	1005.1	*	61	+6	SW	5	0	-	66	?
Brindisi ...	1011.0	63	SE	2	0	1011.0	*	59	+2	SE	5	0	-	70	57
Cagliari ...	1000.0	64	N	4	0	1011.0	*	763	+8	NH	3	0	-	70	48
Palermo ...	1007.4	79	SW	1	C	1011.5	*	763	-10	-	0	0	-	82	57
Tripoli ...							*								

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

27 <sup>th</sup> & 28 <sup>th</sup> March 1919.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	5.42	11.57	6.15
Greenwich ...	5.39	11.58	6.17
Wick ...	5.53	12.18	6.38
Valencia ...	6.31	12.47	7.3

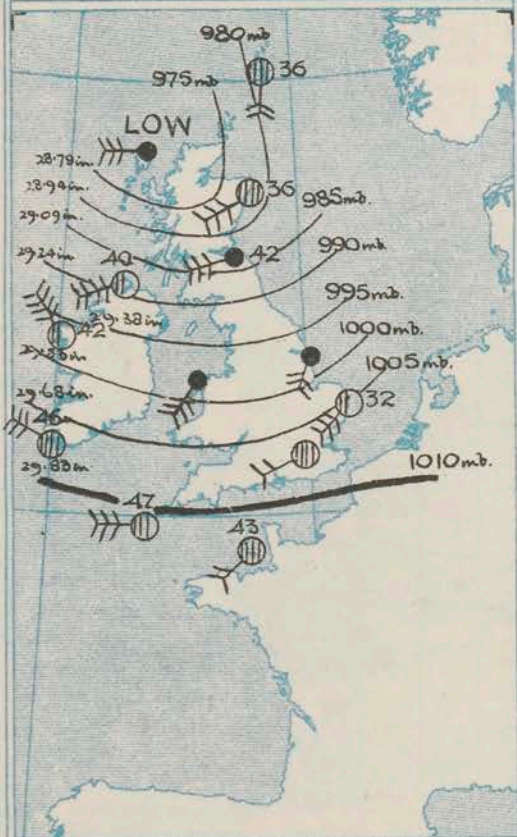
LONDON		HUMIDITY.		Sun-shine for 24 hours.	TEMPERATURE.			Rain-fall.	WEATHER.		
27 <sup>th</sup> MARCH, 9h. G.M.T.		15 h.	9 h.		Max.	Min.	Mean on Grass.		Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory) ...	56	82	2.7	45	30	17	4	0	c.bzx	c.o.r	
CITY (Bunhill Row) ...	*	*	2.6	*	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ...	64	83	3.4	46	33	27	5	*	*	*	*
" (Roof of Admiralty Arch) ...	65	70	4.0	45	35	*	4	bcm	bc.b	bc.orth	*
CAMDEN SQ. (British Rainfall) ...	59	90	4.4	45	33	28	4	bc	bc	*	*
KENSINGTON PALACE ...	*	89	*	46	33	21	5	c	c.be	*	*
RICHMOND PARK ...	*	*	*	*	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 26 <sup>th</sup> ...		
Total Joules.	Average Rate. Milliwatts.	Max. Rate. Milliwatts.
1073	23.9	63



27<sup>TH</sup> MAR, at 1h. G.M.T.

THE MORNING OF THURSDAY, 27<sup>TH</sup> MARCH, 1919 at 7h. G.M.T.



# EXPLANATION.

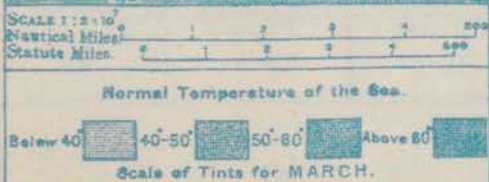
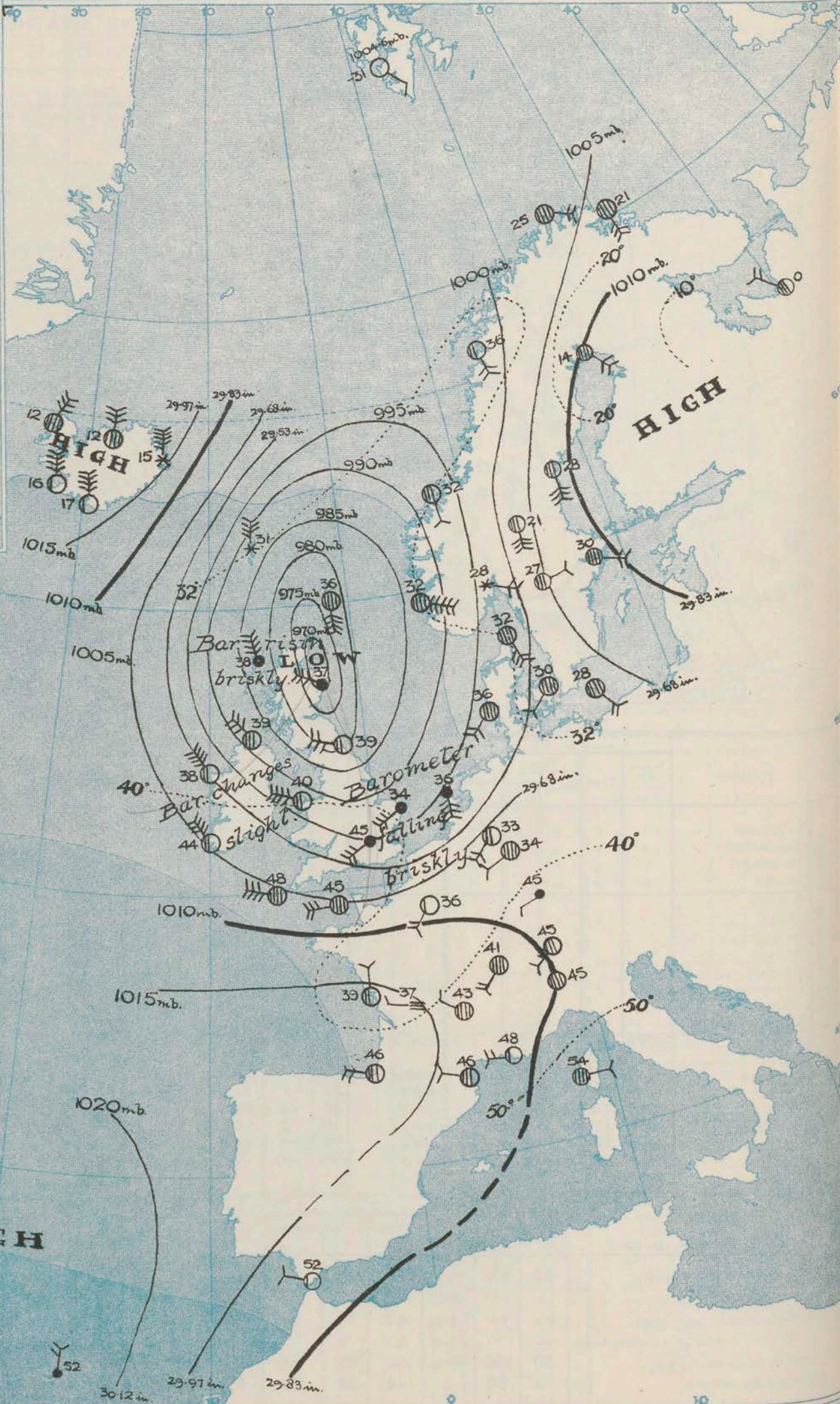
**BAROMETER.**—Isobars are drawn for intervals of five millibars.

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

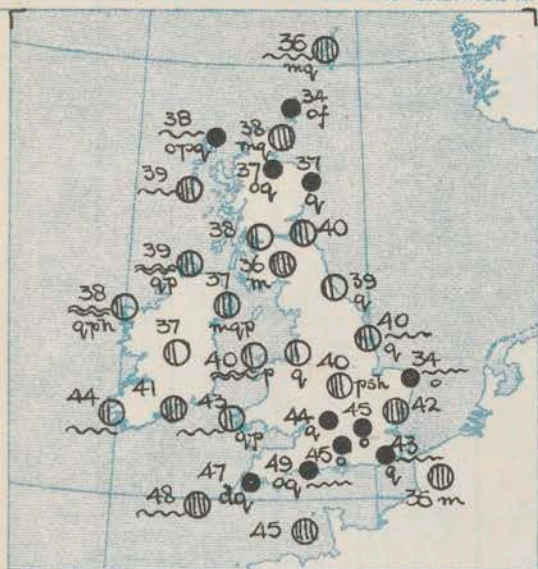
**TEMPERATURE.**—Given in degrees Fahrenheit.  
Isotherms shown by dotted lines.

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

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







## NOTES.

Lerwick. Gale 8h-15h. 26h. 4h-7h 27h.  
Stornoway. NNW 8 7h 27h.  
Glasgow. 26h night S.W.-W 8.  
Malin Head. Gale 23h 26h-4h 27h. Extreme W.S.W. 9.  
Holyhead. 7h 27h. WNW 8.  
Nairn. Gale 3h-7h 27h. Extreme N.E.  
Southport. Sw-W 8 in gusts from 1h-7h 27h. (28 m/s)  
Wick. gale 23h 26h-2h 27h.  
Castell Bay. Gale 20h 26h to early 27h.  
Eskdalemuir. Gust W 8 at 1h 27h. 27 m/s.  
Blackrod. 7h 27h. N.W. 8. Force 9 in squalls.  
Scilly. Squall force 8 at 03h.  
Aberdeen. Gusts S 20 m/s at 23h 26h. WNW 20 m/s at 7h 27h.

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

The temperature reached 50° at Birr Castle, and rose to 40° or more generally. There was less sunshine than of late generally, but Falmouth had 10 hours and South Farnborough 7 hours. Some rain fell in nearly all parts of the country, 20 mm. at Eskdalemuir, and 16 mm. at Stornoway. In the north precipitation was mainly in the form of sleet.

## The Conditions at 7h. Today

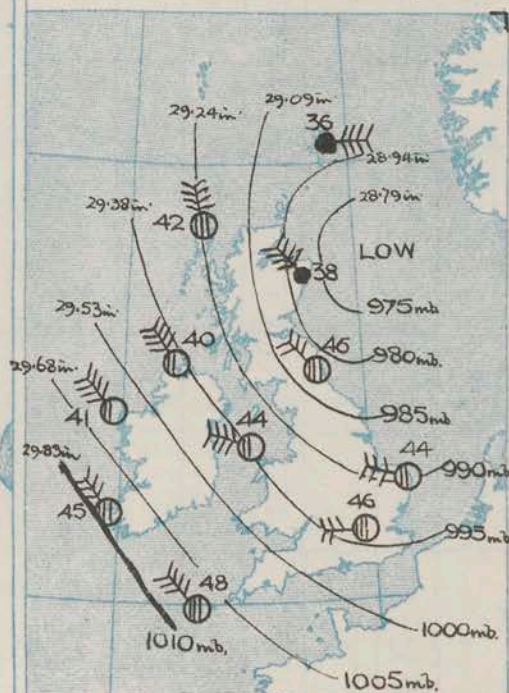
A very deep depression over NE Scotland is moving eastward. The wind is strong to a gale in all parts of the country, from NW. to W. in Scotland and Ireland, and from SW. or W. over Eastern England. The weather is fair with passing showers in Ireland, but is dull further east, with widespread rain or sleet. The temperature is higher than of late, up to 48° at Scilly.

## The Outlook

The wind will continue to blow very strongly today, and will veer somewhat in the south, while remaining Northerly in Scotland. By tomorrow the wind force is likely to become less strong. The weather will be changeable, and showery with a moderate temperature generally, but will be rather cold with some sleet or snow in Scotland.

THURSDAY, 27<sup>th</sup>

MARCH, 1919, at 13h. (1p.m.) G.M.T.



The 13h. chart shows that the depression is still moving eastwards. The outlook is the same as it was this morning.



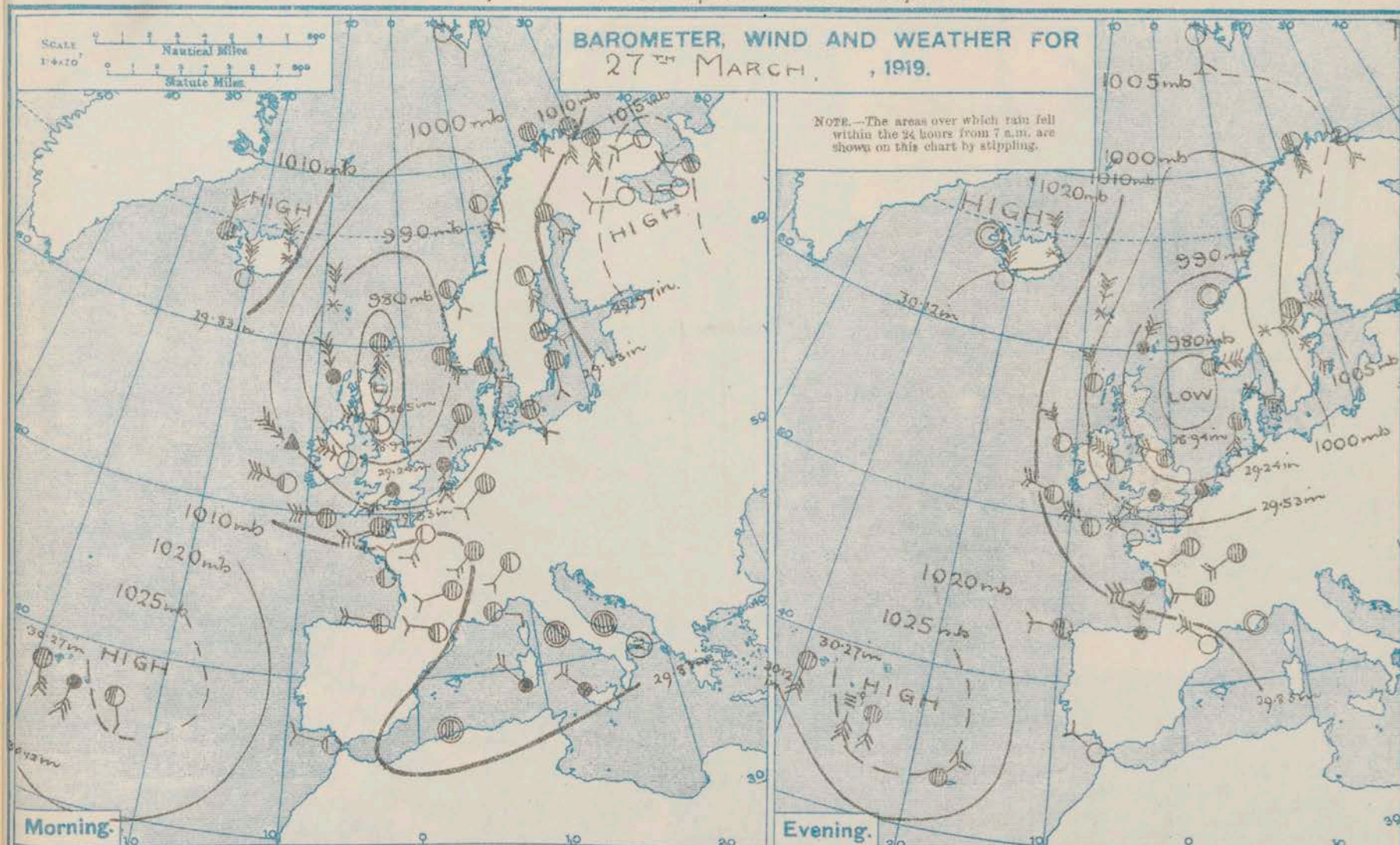
# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 86.. THURSDAY, 27<sup>th</sup> MARCH.

STATIONS.	EVENING OF...26 <sup>TH</sup> ...					MORNING OF...27 <sup>TH</sup> ...					24 HOURS ENDED 7 h. 27 <sup>TH</sup> ...										Sun- shine for 26 <sup>TH</sup> Hours.	
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 5 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.											Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	996.1	39	S	7	omqr	97.9.8	+1	36	+3	S	8	-	omq	6	8	40	33	omqr	omqr	omqr	*
	Houton B. (Orkney)	994.6	36	SSW	5	d	973.3	+4	34	+3	NNE	7	*	rf	4	*	37	31	omr	m pd.	dof	*
	Stornoway ...	990.7	40	SSW	5	orq	983.6	+8	38	-0	NNW	8	-	opq	6	16	43	36	op	orq	opq	0.9
	Castlebay (Barra Isd.)	993.5	42	SW	6	or	988.8	+4	39	-3	NW	5	NW	c	6	4	46	36	op	opr	ropc	0.2
	Glasgow ...	1001.2	59	SW	3	omg	980.9	0	38	+10	WNW	6	NW	bc	*	10	42	27	c.orsp	omdp.c	otspic	0.0
	Eskdalemuir ...	1003.7	33	SSW	4	odf	981.0	-6	36	+22	W	7	-	om	*	20	39	13	bx.c.os	osm.odf	or.o	1.2
	Malin Head ...	999.3	42	WSW	5	cmgp	988.7	+1	39	+2	NW	6	W	cqp	7	10	45	35	cm p	cmqp	cqps	0.6
	Blacksod Point	1003.9	45	SW	6	omr	990.2	0	38	-2	NW	8	NW	bcqph	7	6	47	33	cq p	omp	bcqph	*
	Valencia (Cabiriveen)	1012.4	47	WSW	4	o	1004.9	+2	44	+0	NW	7	-	bc	5	3	48	34	o.c.p	o.op	odp.c	4.0
	Roche's Point	1012.4	48	NW	4	o	1004.5	+2	41	+10	NW	6	-	o	4	-	49	31	bc.o	o.c.o	o.c.o	*
	Birr Castle ...	1008.2	46	WSW	2	o	1001.0	*	37	+7	W	4	W	bc	*	3	50	31	o.c.o	o	ot.bc	0.0
	Donaghadee ...	1004.4	44	SW	4	omq	989.1	-3	37	+6	NW	6	-	cmgp	5	4	46	31	ogm	og'mr	omrqp	*
	Liverpool (Bidston)	1008.5	38	SW	3	o	991.3	+1	?	?	W	7	W	bcq	6	5	46	30	b	c.o	orq.bc	5.5
	Holyhead ...	1007.8	42	SW	5	og	994.4	-1	40	+11	WNW	8	NW	bc p	7	5	45	29	o.c.g	ep.og	operc	2.3
	Pembroke (St. Ann's)	1012.2	42	SW	4	o	1000.5	+3	43	+14	NW	6	NW	cq p	5	1	46	28	bc	c.o	c.o.og	5.3
	Scilly (St. Mary's)	1015.8	44	W	4	c	1005.7	-6	48	+10	WNW	7	W	o	6	0.2	48	37	o.c.bc	bc.c	c.omp	5.7
	Falmouth ...	1014.7	42	WNW	2	beyz	1003.2	-5	47	+14	W	7	-	d	*	Trace	47	32	c.bc.bz	b.bc.bz	godq	10.1
	Jersey (St. Aubin)	1013.6	40	W	3	b	1005.4	-3	45	+6	W	5	-	o	3	1	45	32	o	o.b	b.apo	2.6
	Portland Bill ...	1011.3	41	N	3	bc	999.8	-6	44	+12	WNW	7	-	og r	6	1	45	32	bc	bc	og r	*
	Dungeness ...	1010.3	39	NNE	3	bc	997.0	-13	43	+6	SW	7	SW	rg	6	0.3	43	30	c.bc	bc.c	c.bqr	*
Wick ...	995.8	39	SSE	4	omd	971.5	+5	38	+4	NNW	6	-	omq	4	9	43	33	ompr	omd	omq	*	
Nairn ...	995.3	41	W	1	o	974.6	*	37	+1	NNW	8	-	rgou	5	4	44	35	c.bc.c	cg.o	og p	1.1	
Aberdeen ...	999.3	37	SSW	4	omp	968.9	+1	37	+4	WNW	6	-	orq	3	3	39	33	b.m.s.m	omr p	og r	1.2	
Leith ...	1006.1	39	SW	2	o	976.5	0	40	+13	WSW	5	NW	c	4	5	42	27	bc.o	o	og r	*	
Tynemouth ...	1005.4	38	SW	3	om	979.8	?	39	+8	WNW	5	-	bcq	4	2	41	31	cm	cm	bcq	*	
Spurn Head ...	1008.7	36	SSE	2	cv	987.6	-5	40	+4	WSW	6	-	cq	5	3	41	33	c	c	og r	1.7	
Yarmouth (Gorleston)	1009.9	36	NW	3	c	992.5	-13	34	-1	SW	5	-	or	5	-	39	29	c	c	bcqr	0.0	
Clacton-on-Sea	1010.5	38	NNW	3	c	993.8	-12	42	+7	SW	6	-	o	?	0.2	42	32	og	og.c	c.bogp	1.1	
Nottingham ...	1009.5	39	W	2	cm	991.3	*	40	+8	WNW	4	NW	cpsh	*	8	44	32	c.bcm	bcm	c.o	3.6	
Benson (Oxon.) ...	1011.7	39	NNW	3	bcz	994.2	-10	44	+13	WSW	5	-	rg	*	3	44	31	b.bc	by.b	bg	*	
Sth Farnborough	*	*	W	2	bm	1006.2	-1	45	+11	SW	6	-	or	*	0.2	45	29	o.bcy	y.bc.b	b.o	6.9	
London (Kew Obsv.)	1011.4	39	NW	1	b	995.1	-11	45	+11	SW	5	-	or	*	0.4	46	33	om.bc	bc.b	b.bm	6.4	
NORTHERN EUROPE, ICELAND, &c.	Isafjord ...	1018.6	18	NNE	10	s	1027.9	+3	12	-7	NNW	6	-	o	*	*	*	*	THE BEAUFORT SCALE OF WIND FORCE.			
	Reykjavik ...	1010.1	25	N	9	o	1022.6	+3	16	-9	N	8	-	b	*	*	*	*				
	Vestmanna ...	1002.3	25	N	9	bc	1015.3	+7	17	-8	N	8	-	b	*	*	*	*				
	Seydisfjord ...	1003.1	30	NE	7	s	1018.1	+2	15	-15	N	9	-	s	*	*	*	*				
	Thorshavn ...	989.0	36	W	3	o	989.5	+3	31	-3	N	7	-	s	*	*	*	*	Limits of Velocity.			
	Spitsbergen ...	1006.6	-29	SSE	2	to	1004.6	-1	-31	-13	SE	1	*	b	*	*	-17	-35				
	Vardö ...	1007.4	19	S	5	c	1005.1	0	21	+9	SSW	5	-	o	4	*	29	9				
	Gjesvær ...	1001.0	25	SE	6	bc	1001.6	*	25	+9	SE	4	-	o	3	-	25	14				
	Bodö ...	1003.8	36	S	4	c	998.6	-3	36	+6	SSE	4	-	bc	2	-	36	27	No.		Statute miles per hour.	Metres per second.
	Christiansund ...	1004.3	37	-	0	c	994.0	-5	32	-5	SSE	2	-	c	3	-	39	19				
	Skudesnaes ...	1006.3	32	SE	8	o	984.3	-23	32	0	ESE	10	-	o	2	-	37	30	1	1-3	0.3-1.5	
	Færder (X'ania Fjord)	1010.9	30	SSW	2	bc	999.0	-6	28	-4	SE	4	-	s	2	-	36	27	2	4-7	1.0-5.3	
Haparanda ...	1012.4	18	SSE	4	o	1010.3	-1	14	+5	SSE	4	-	o	?	Trace	18	9	3	8-12	5.4-5.4		
Hernösand ...	1010.4	30	-	0	b	1007.3	-1	28	+1	S	6	-	c	*	-	30	23	4	13-18	5.5-7.9		
Stockholm ...	1015.9	30	SSW	2	b	1007.7	-5	30	+3	SE	4	-	o	*	-	44	25	5	19-24	8.0-10.7		
Wisby ...	1017.4	28	SSW	2	b	1006.9	-5	30	0	S	2	-	o	*	-	36	23	6	25-31	10.8-13.8		
Karlstad ...	1013.0	30	-	0	b	1003.3	?	21	0	S	6	W	o	*	-	34	14	7	32-38	13.9-17.1		
FRANCE, &c.	The Scaw (Skagen)	1011.0	32	SE	3	c	996.6	-6	32	0	SSE	5	-	o	5	-	36	?	8	39-46	17.2-20.7	
	Blaavands Huk	1010.0	30	SE	3	c	997.2	-10	36	+11	SW	4	-	o	*	-	37	21	9	47-54	20.8-24.4	
	Copenhagen ...	1011.4	30	SE	7	bc	1000.4	-4	30	+2	SW	2	-	o	*	-	32	28	10	55-68	24.5-28.4	
	Bornholm ...	1011.5	30	ESE	8	b	1001.7	-4	28	+1	SSE	3	-	o	0	Trace	30	25	11	64-75	28.5-33.5	
	The Helder ...	1007.0	34	SE	2	o	994.1	-11	36	+8	S	7	-	T	3	Trace	39	28	12	Above 75	33.6 or above	
	Brussels ...	1008.3	36	W	?	o	1007.0	-4	34	+2	N	2	-	o	*	Trace	*	*	BEAUFORT NOTATION.			
	Coblenz ...	1007.7	37	NNW	1	o	1007.0	-4	34	+2	N	2	-	o	*	Trace	*	*				
	C. Gris Nez ...	1009.1	-10	41	+4	SW	8	-	f	7	1	43	36	*	*	*	*					
	La Hève ...	1012.2	39	NNE	2	o	1003.0	-9	37	-	SW	6	SW	o	5	1	43	36				
	Cherbourg ...	1009.3	-8	46	+7	SW	3	-	f	-	1	46	36	*	*	*	*					



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20945. FRIDAY, 28<sup>TH</sup> MARCH, 1919.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 27<sup>TH</sup> March.

STATIONS.	EVENING OF 26 <sup>TH</sup>					MORNING OF 27 <sup>TH</sup>					AFTERNOON OF 27 <sup>TH</sup>				
	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12.	Weather.	Barom. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Change in 24 hours.	Wind Direc.	Force 0-12.	Weather.	Rain-fall. Millimetres.	Temp. Max. °F.	Min. °F.
<b>RUSSIA.</b>															
Sviatonos ...															
Kandalatska ...															
Archangel ...															
Soroka ...															
<b>MEDITERRANEAN.</b>															
Algiers ...	1010.9	57	N	1	c	1008.0	+1	54	-	0	0	c	2	66	50
Malta ...	*	*	*	*	*										
Salonica ...															
Athens ...															
Candia ...															
Limassol ...						1019.7	0	63	+2	-	0	b	-	73	46
Alexandria ...	1021.0	61	NE	3	b	1020.4	+1	64	-	0	0	b	-	70	55
Cairo (Helwan) ...	1018.4	66	N	3	b	1019.0	+2	61	-	NNE	3	b	-	82	54
<b>ITALY.</b>															
Venice ...	1012.9	55	SW	2	b	1009.3	*	45	-7	-	0	f	-	68	45
Turin ...	1009.1	52	-	0	b	1009.8	*	46	-	NNE	2	f	-	69	41
Leghorn ...	1012.6	57	E	1	b	1010.3	*	52	-3	NE	2	0	0	67	41
Rome ...	1013.4	55	-	0	b	1009.9	*	52	-3	-	0	0	trace	66	48
Viesti ...	1011.7	61	NW	1	0	1011.0	*	57	-4	-	0	0	-	75	1
Brindisi ...	1013.4	59	S	1	0	1010.6	*	57	-2	-	0	f	-	70	55
Cagliari ...	1010.6	66	NW	3	b	1008.3	*	55	-8	NW	3	f	4	70	50
Palermo ...	1010.6	66	NW	3	b	1008.3	*	55	-8	NW	3	r	3	69	50
Tripoli ...															

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

28 <sup>TH</sup> 29 <sup>TH</sup> Mar. 1919.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	5.39	11.58	6.17
Greenwich ...	5.36	11.58	6.19
Wick ...	5.47	12.5	6.25
Valencia ...	5.45	12.5	6.25
	5.55	12.17	6.42
	5.52	12.17	6.42
	6.28	12.46	7.4
	6.26	12.46	7.6

LONDON	Humidity.		Sun-shine for 24 h.	24 Hours ended 9 h. 28 <sup>TH</sup>				WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.	Rain-fall.	Morning.	Afternoon.	Night.
28 <sup>TH</sup> March 9h. G.M.T.	2.4	2.8	2.4							
GREENWICH (Royal Observatory)	55	61	4.6	49	36	30	1	c.bc.0	c.bc.c	pg.rs
CITY (Bunhill Row)	*	*	4.7	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	63	70	5.4	49	37	31	2	*	*	*
(Roof near Charing Cross)	54	61		48	37	*	1	omg	c.bc.gb	cp.bcq.bq
CAMDEN SQ. (British Rainfall)	51	59	6.2	50	35	31	1	bc.b	b	*
KENSINGTON PALACE	*	81	*	48	36	30	1	bc	bc	*
RICHMOND PARK	*	*	6.0	*	*	*	*	*	*	*

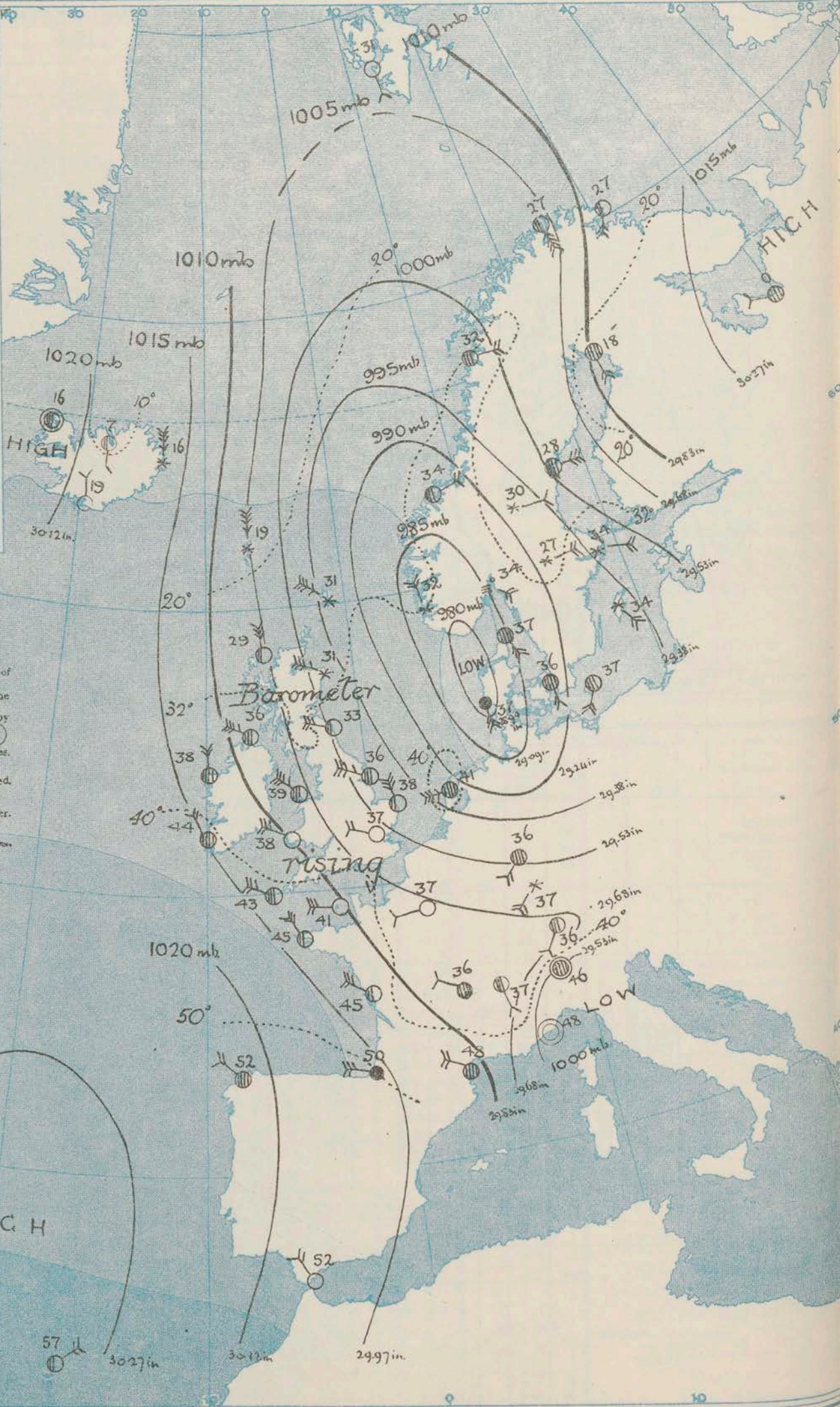
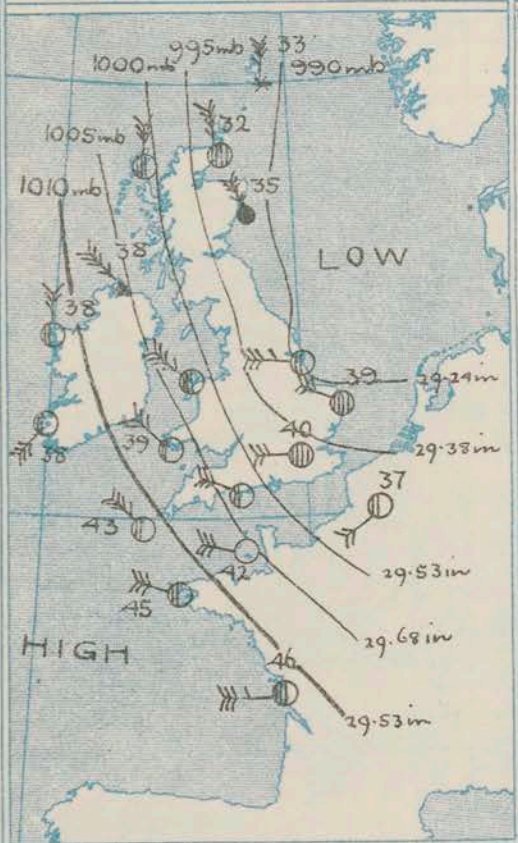
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

† The barometric change is expressed in half-millibars.



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

THE MORNING OF FRIDAY, 28<sup>th</sup> MARCH, 1919 at 7h. G.M.T.



# EXPLANATION.

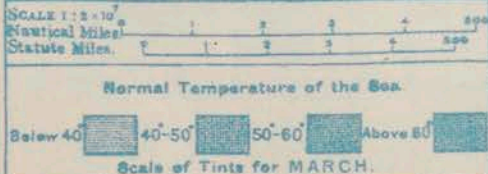
**BAROMETER.**—Isobars are drawn for intervals of five millibars.

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

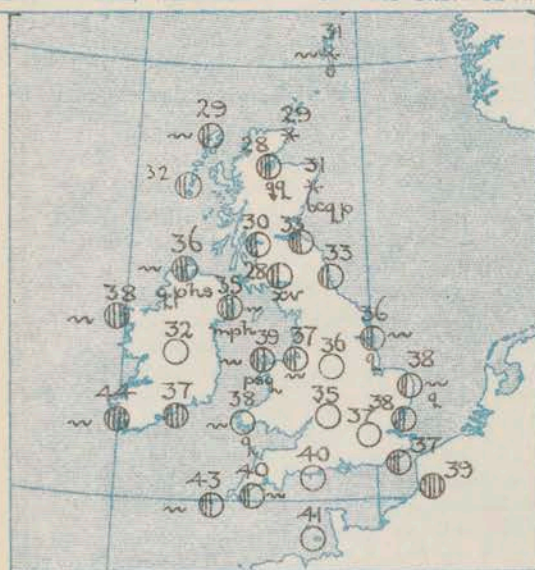
**TEMPERATURE.**—Given in degrees Fahrenheit.  
Isotherms shown by dotted lines.

**WEATHER.**—Shown by the following symbols:—  
○ clear sky. ○ sky & clouded. ○ sky & clouded.  
○ sky & clouded. ○ overcast sky. ● rain falling.  
✱ snow. ▲ hail. ≡ fog. ≡ mist. T. thunder.  
K. thunderstorm.

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







## NOTES.

Houlton - Ex. NNW 9h. Malin Ex. NNW 9h. 11h (27°)  
 Lerwick, Gale 4h (27°) Gale 10h (27°) - 7h (28°)  
 to 16h (27°) and 18h (28°) Blacksod Ex. NNW 9h. 23h (27°)  
 Stornoway - NNW 8h. 13h (27°) Roches Pt. Gale 10h - 18h (27°)  
 Langholm. Ex. WNW 8h. Liverpool Gale 12-13h - 18h (27°)  
 at 11h and 13h (27°) Holyhead Ex. WNW 9h. 11h (27°)  
 Gale 10h - 15h (27°) Sully. WNW 8h. 8-9h (27°)  
 and 3h (28°) Falmouth W 8h. 13h (27°)

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

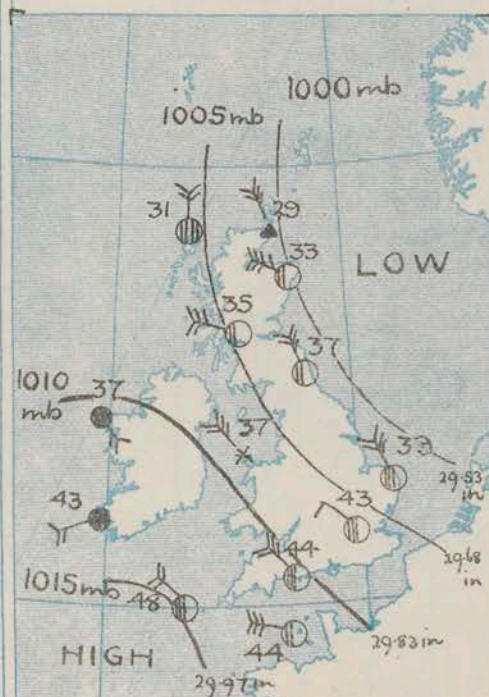
The temperature was rather low, nowhere reaching 50° over the British Isles. There was a slight frost at nearly all northern stations. Showers occurred in all districts, very frequently in the form of hail or sleet. At Aberdeen they yielded 10 mm. of rain, and 6 mm. at Dungeness. Sunshine was fairly abundant, 9½ hours at Pembroke being the best record. The Aurora Borealis was seen at Eskdale and Roches Point during the night.

## The Conditions at 7h. Today

The deep depression that was over NE. Scotland yesterday is now approaching Denmark. The wind is from NW. or N. over the British Isles, fresh or strong in force, and reaches gale force in the Orkneys and Shetlands. The weather is fair generally, with passing showers of hail or snow in the north. The temperature is below the freezing point in Scotland, and is under 40° at most English and Irish stations.

## The Outlook

The wind will moderate gradually in all districts, and will blow from NW. or W. The weather will be mainly fair, with passing showers of rain or sleet and the temperature will remain rather low.

FRIDAY 28<sup>th</sup> MARCH, 1919, at 13h. (1p.m.) G.M.T.

The 13h. chart shows a new depression off the west of Ireland. At 7h. this did not appear likely to advance so quickly, and instead of moderating Wly. winds over the western half of the United Kingdom as expected, the wind is likely to back to SW. or S, the weather becoming milder and dull, with rain before long.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 87..

FRIDAY

28th MARCH.

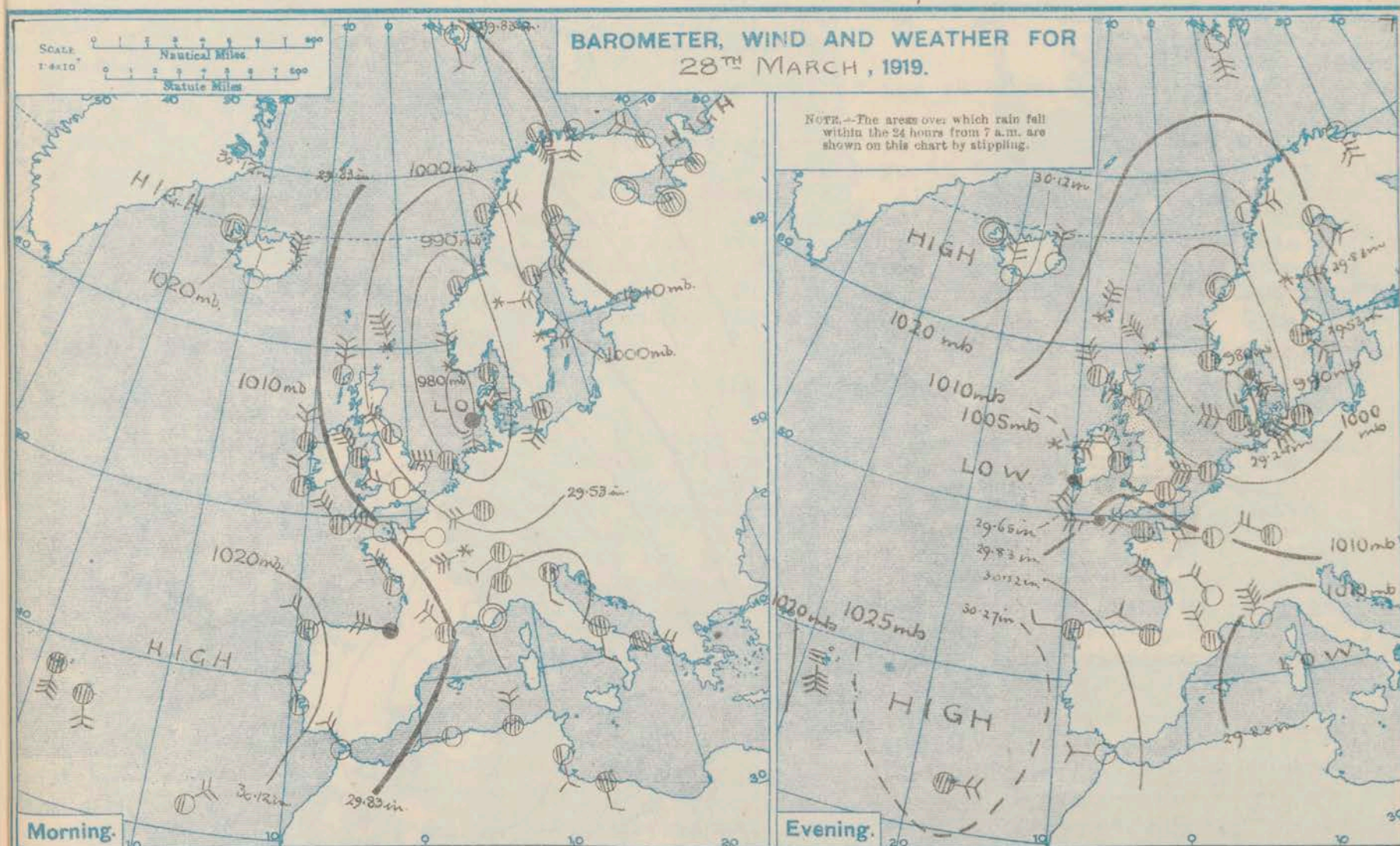
STATIONS.		EVENING OF... 27th...					MORNING OF... 28th...										24 HOURS ENDED 7 h. 28th...					Sun- shine for 27th
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours	TEMP.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall Milli- metres.	TEMP.		WEATHER.			
				Dir.	Force 0-12.				F.	F.	Dir.	Force 0-12.					Max.	Min.	Morning	Afternoon	Night.	
BRITISH ISLANDS.	Lerwick ...	987.5	35	NE	6	omp	992.7	+1	31	-5	NNW	8	-	os	6	5	36	30	omgr	omgr	omps	Hours.
	Houton B. (Orkney)	994.6	36	SSW	5	d	997.1	+1	27	-7	NNW	9	*	cg	5	*	36	27	rg	0	prh, ps	*
	Stornoway ...	997.0	37	N	7	cpbz	1005.1	+1	29	-9	N	6	-	bcg	5	5	45	26	cpbz	opbz	cbcpbz	1.3
	Castell Bay (Barra)	1000.8	38	N	6	rsbc	1007.7	+1	32	-7	NW	5	NW	bc	5	4	42	28	corpb	rsbc	hos, bc	5.0
	Glasgow ...	999.9	39	WNW	4	0	1003.8	+5	30	-8	WNW	2	N	bc	*	Trace	41	29	bc, cg	c, og, c	oc, bc	0.5
	Eskdalemuir ...	988.5	36	NW	7	c	1002.3	+7	28	-8	WNW	5	-	bc	*	-	41	28	oc	oc	bc	5.2
	Malin Head ...	997.5	40	NW	8	bc, ph	1006.1	+2	36	-3	NW	7	N	cg, phs	6	1	41	31	bc, ph	bc, ph	cg, phs	6.1
	Blackod Point ...	1007.1	40	NNW	6	bc, ph	1011.8	0	38	0	N	4	-	og	5	0.3	44	35	bc, ph	bc, ph	cg, ph	*
	Valencia (Cahircree)	1011.9	42	NW	5	c	1015.0	+1	44	0	NNW	3	-	c	5	4	46	38	cg, ph	cg, ph	cg, ph	5.8
	Roche's Point ...	1007.3	43	NNW	7	bc	1014.0	+2	37	-4	WNW	3	-	0	2	0.3	47	35	cg, bc	cg, bc	cg, bc	*
	Birr Castle ...	1006.0	38	NW	5	c	1012.0	*	32	-5	W	1	-	b	*	1	46	31	cg, ph	cg, ph	cg, ph	7.8
	Donaghadee ...	996.7	41	NW	7	bc, ph	1006.6	+3	35	-2	NNW	7	N	om, ph	6	1	44	34	bc, p	bc, p	om, ph	*
	Liverpool (Blisdon)	993.0	41	WNW	8	c	1004.0	+5	37	*	WNW	6	-	cg	5	-	44	36	oc, bc, p	bc, p	bc, p	0.7
	Holyhead ...	997.4	43	NW	9	bc	1007.0	+4	39	-1	NW	7	NW	cg, p	6	0.2	45	38	bc, c	bc, c	cg, c	6.8
	Pembroke (St. Ann's)	1002.7	43	NW	6	bc	1010.5	+3	38	+5	NW	5	NW	bc	6	0.3	46	37	cg	cg	bc, c	9.5
	Scilly (St. Mary's)	1008.2	46	NW	7	c	1014.4	+3	43	-5	NW	5	NW	c	6	0.4	49	41	om, cg	bc, c	bc, c	6.3
	Falmouth ...	1005.5	44	WNW	7	bc	1012.4	+4	40	-7	NW	4	-	bc	*	2	49	38	oc, bc	bc, p	bc, p	8.5
	Jersey (St. Aubin)	1004.4	45	WNW	5	b	1010.2	+2	41	-4	WNW	6	-	b	4	2	50	40	oc, b	bc, bc	bc, p	3.8
	Portland Bill ...	999.7	42	WNW	7	bc	1007.2	+5	40	-4	NW	5	-	bc	5	1	48	39	qr, bc	bc, r	bc, r	*
	Dungeness ...	994.3	44	WSW	4	bc	1001.6	+6	37	-6	W	3	NW	c	3	6	49	33	qr, bc	cg, bc	cg, bc	*
NORTHERN EUROPE, ICELAND, &c.	Wick ...	986.8	37	NNW	7	T	998.6	+4	29	-9	NW	5	-	s	5	3	39	27	om, p	om, p	om, p	*
	Nairn ...	989.1	36	NNW	7	0	1002.2	*	28	-9	NNW	4	-	cg	3	3	39	28	p, q	q, p	op, p	0.0
	Aberdeen ...	982.0	39	NW	7	og, p	996.8	+4	31	-6	NW	7	-	bc, sp	4	10	41	30	og, r	or, s	bc, s	0.8
	Leith ...	988.7	40	NW	5	0	1001.9	+2	33	-7	NW	4	NW	c	3	-	44	33	cg, m	og, c, o	og, c	*
	Tynemouth ...	985.2	42	NW	6	cg	999.0	+7	33	-6	NW	5	-	bc	4	-	47	32	cg, m	og, c, o	og, c	*
	Spurn Head ...	985.2	42	NW	6	cg	997.8	+6	36	-4	NNW	7	-	cg	6	0.1	43	35	cg	cg	cg	?
	Yarmouth (Gorleston)	989.2	43	NW	4	bc	997.7	+6	38	+4	NNW	6	-	bc	5	2	47	34	or, bc	bc, r	og, bc	3.1
	Clacton-on-Sea ...	992.2	41	W	4	bc	1000.6	+5	38	-4	NW	4	NW	c	4	3	47	35	og, rsh	cg, rsh	bc, r	3.0
	Nottingham ...	990.7	42	WNW	5	c	1002.2	*	36	-4	WNW	4	-	b	*	1	46	35	c, o	cg, r	cg, r	6.3
	Benson (Oxon.) ...	995.2	42	W	4	c	1004.4	+6	35	-9	WNW	4	-	bc	*	1	47	35	cg, bc	cg, bc	cg, bc	*
St. Farnborough ...	*	*	W	6	b	1004.3	+6	37	-8	WSW	5	-	bc	*	2	48	36	cg, bc	cg, bc	cg, bc	5.4	
London (New Obs.)	995.0	41	WSW	5	og, p	1003.8	+3	37	-8	WNW	3	-	b	*	4	48	37	or, bc	og, bc	og, bc	5.5	
FRANCE, &c.	Isafjord ...	1024.8	18	-	0	b	1021.2	0	16	+4	-	0	-	c	*	*	*	*	*	*		
	Reykjavik ...	1023.9	19	N	6	b	1021.1	0	15	-1	-	0	-	b	*	*	*	*	*	*		
	Vestmanna ...	1018.6	19	N	7	b	1018.9	0	19	+2	N	2	-	b	2	*	*	*	*	*		
	Seydisfjord ...	1021.0	18	N	6	s	1017.2	0	16	+1	N	8	-	s	*	*	*	*	*	*		
	Thorshavn ...	1001.0	25	NNE	8	s	1004.3	-1	19	-12	N	8	-	s	*	*	*	*	*	*		
	Spitsbergen ...	1007.0	-27	S	2	b	1009.2	+1	-31	0	S	2	*	b	*	*	-27	-31	*	*	*	
	Vardö ...	1008.7	28	S	4	bc	1011.9	+2	27	+6	SSW	4	-	bc	3	*	28	10	*	*	*	
	Gjesvær ...	1001.0	25	S	8	c	1003.4	*	27	+2	S	8	-	bc	3	-	37	21	*	*	*	
	Bodö ...	997.5	32	-	0	b	997.7	0	32	-4	E	4	-	c	2	-	36	25	*	*	*	
	Christiansund ...	988.4	34	-	0	b	986.4	-2	34	+2	ENE	3	-	c	3	-	37	28	*	*	*	
IBERIA, &c.	Skudesnaes ...	979.0	36	E	8	0	982.1	+1	32	0	N	4	-	s	4	?	37	30	*	*	*	
	Færder (Xaiafiord)	989.7	30	E	6	s	986.3	+1	34	+6	SE	4	-	m	3	?	34	28	*	*	*	
	Haparanda ...	1009.3	19	SSE	2	bc	1011.5	+2	18	+4	SSE	4	-	0	-	-	27	14	*	*	*	
	Hernösand ...	1004.0	30	E	6	0	1001.0	-1	28	0	E	6	-	0	-	4	37	27	*	*	*	
	Stockholm ...	1001.0	30	SSE	6	s	995.7	-1	34	+4	ESE	4	-	s	-	1	34	30	*	*	*	
	Wisby ...	999.8	32	SSE	2	0	994.7	-1	34	+4	SE	4	-	s	3	Trace	36	28	*	*	*	
	Karlstad ...	994.7	30	E	4	0	990.7	-1	30	+9	E	2	-	s	*	9	30	31	*	*	*	
	The Scaw (Skagen)	988.0	32	SE	6	s	984.6	+1	37	+5	SSE	5	-	0	5	2	37	25	*	*	*	
	Blaavands Huk ...	984.0	37	SSW	5	0	979.9	-2	37	+1	S	5	-	T	*	2	37	30	*	*	*	
	Copenhagen ...	992.4	34	S	4	s	989.0	0	36	+6	S	3	-	0	*	Trace	36	30	*	*	*	
Bornholm ...	995.9	32	SSE	3	m	992.2	0	37	+9	SSW	4	-	c	1	1	37	27	*	*	*		
THE BEAUFORT SCALE OF WIND FORCE.	The Helder ...	987.7	41	SSW	5	c	990.1	+4	41	+5	W	8	-	0	4	6	43	36	*	*	*	
	Brussels ...	999.3	39	S	2	m	998.9	+1	36	+2	SW	3	-	0	*	Trace	?	?	*	*	*	
	Coblenz ...	999.3	39	S	2	m	998.9	+1	36	+2	SW	3	-	0	*	Trace	?	?	*	*	*	
	C. Gris Nez ...	1002.4	+6	37	-4	WNW	6	NW	c	6	8	45	34	*	*	*	*	*	*	*		
	La Hève ...	1008.4	+4	41	-5	NW	6	-	c	6	3	48	41	*	*	*	*	*	*	*		
	Cherbourg ...	1014.6	+5	46	-1	NNW	5	-	bc	4	3	50	39	*	*	*	*	*	*	*		
	Brest (St. Mathieu)	1011.9	+5	36	0	W	2	-	c	-	1	50	36	*	*	*	*	*	*	*		
	Rennes ...	1012.7	+3	45	+6	NW	5	-	bc	*	3	50	39	*	*	*	*	*	*	*		
	Rochefort (d'Aix)	1015.8	+2																			



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,946.

SATURDAY, 29<sup>TH</sup> MARCH, 1919.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 28<sup>TH</sup> MARCH

STATIONS.		EVENING OF..27 <sup>th</sup> .....					MORNING OF...28 <sup>th</sup> .....										AFTERNOON 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.	Dirac.	Force 0-12.	Weather.		
		° F.					° F.	° F.					° F.	° F.		° F.	° F.						
RUSSIA.	Sviatosnos ...						+																
	Kandalatska ...						*																
	Archangel ...						1016.3	0	0	-	NW	2	0	-	*	*							
	Soroka ...														*	*							
MEDITERRANEAN.	Algiers ...	1008.6	54	N	5	T	1006.7	+5	54	0	W	1	b	17	57	50							
	Malta ...	*	*	*	*	*	1018.7	+1	57	-	WNW	1	b	-	63	46							
	Salonica ...																						
	Athens ...																						
	Candia ...																						
	Limassol ...	*	*	*	*	*	1018.1	0	64	+1	-	0	b	-	75	46							
	Alexandria ...																						
	Cairo (Helwan) ...																						
ITALY.	Venice ...	1004.6	54	SSE	1	b	998.7	*	52	+7	S	1	0	-	59	45							
	Turin ...	1003.3	54	E	1	b	997.1	*	45	-1	-	0	b	-	61	41							
	Leghorn ...	1005.7	52	SW	3	bc	1001.0	*	54	+2	W	4	c	-	59	46							
	Rome ...	1007.7	54	-	0	0	1002.1	*	54	+2	-	0	T	32	63	52							
	Viesti ...	1004.5	57	-	0	0	1001.7	*	55	-2	S	1	0	-	61	?							
	Brindisi ...	1007.3	59	S	3	bc	1004.3	*	57	0	SE	3	0	-	63	57							
	Cagliari ...	1005.3	68	SE	3	0	1004.3	*	54	-1	W	4	T	10	70	46							
	Palermo ...	1007.3	57	-	0	0	1001.9	*	64	+9	SSW	4	b	7	64	52							
	Tripoli ...	1010.6	72	NE	1	T	1008.3	*	70	-	S	1	0	2	?	63							
																		29 <sup>th</sup> & 30 <sup>th</sup> March, 1910.			Sunrise.	Noon.	Sunset.
																					G.M.T.	G.M.T.	G.M.T.
																		Yarmouth ...			5.34	11.58	6.19
																	Greenwich ...			5.34	12.5	6.25	
																	Wick ...			5.43	12.5	6.27	
																	Valencia ...			5.52	12.47	6.42	
																				5.43	12.47	6.45	
																				6.26	12.46	7.6	
																				6.24	12.46	7.6	

LONDON										SOUTH KENSINGTON (M.O.)									
29 <sup>TH</sup> MARCH 0h. G.M.T.										Vertical Component of Solar Radiation per square Centimetre during 28 <sup>TH</sup> ...									
Humidity.		Sunshine for		TEMPERATURE.			Rain-fall.	WEATHER.			Total. Joules.	Average Rate. Milliwatts.	Max. Rain. Milliwatts.						
15 h.	9 h.	28 <sup>TH</sup>	29 <sup>TH</sup>	Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.									
55	80	5.6	4.7	29	32	6	bc, cbs	cbs	0, bcs		933	20.6	65						
60	79	5.0	46	30	31	6	bcq	bc, psnc	bc, os, bc										
54	78	5.5	46	30	*	10	bc	bc	*										
54	77	5.3	46	29	31	5	bc	bc	*										
*	85	*	44	29	30	6	bc	bc, o	*										
*	*	4.4	*	*	*	*	*	*	*										

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

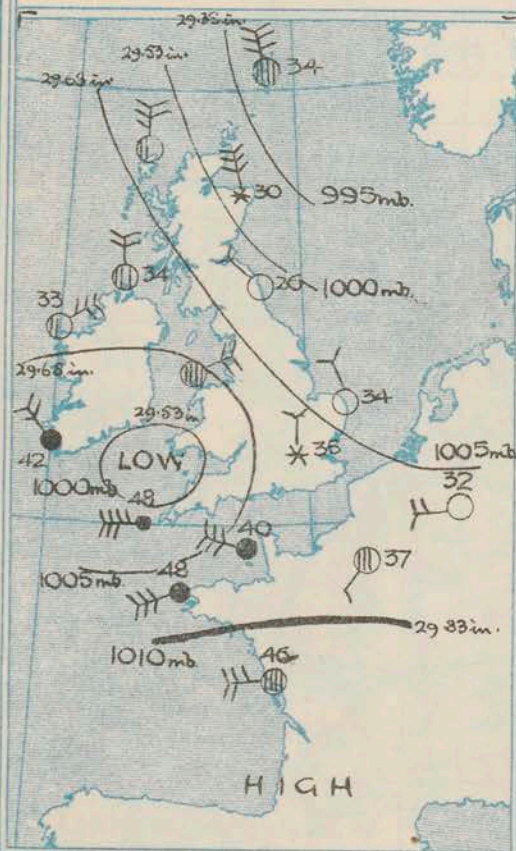
† The barometric change is expressed in half-millibars.



29<sup>TH</sup> MAR, at 1h. G.M.T.

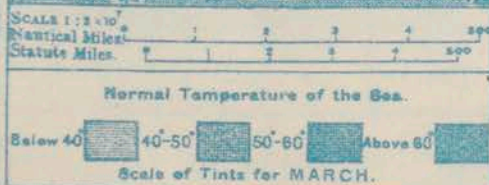
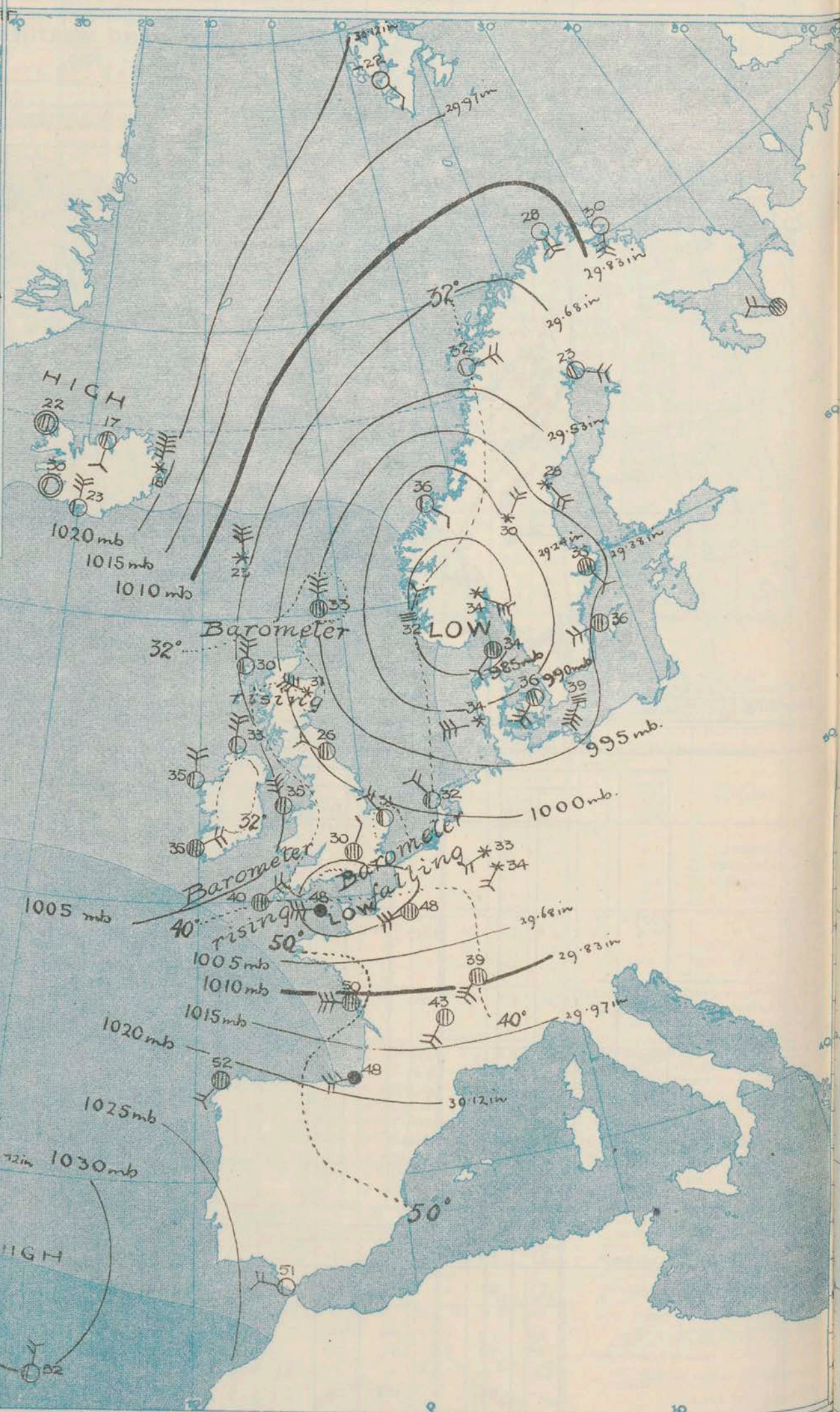
THE MORNING OF SATURDAY, 29<sup>TH</sup>

MARCH, 1919 at 7h. G.M.T.

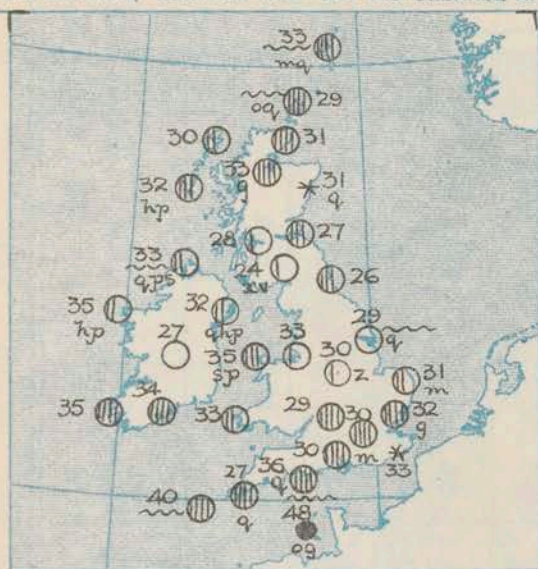


EXPLANATION.

**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. K, thunderstorm.  
**SEA DISTURBANCE**—Rough ~~~~~ High ~~~~~







## NOTES.

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

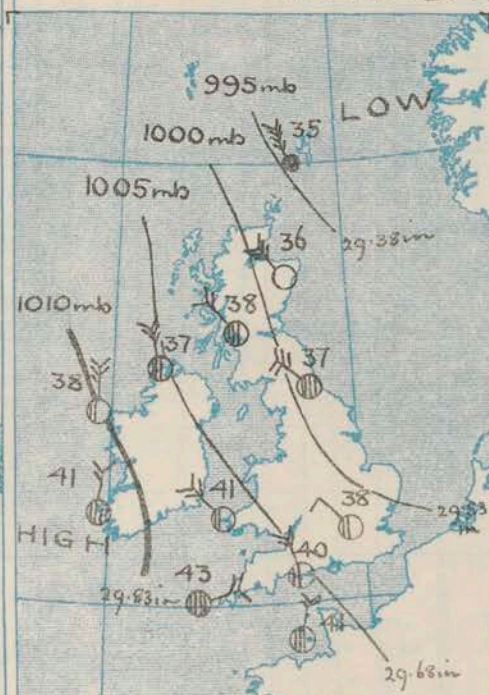
The temperature fell below the freezing point in most parts of the country. At Eskdalemuir the minimum was  $19^{\circ}$ , and at Glasgow  $22^{\circ}$ . At Wick the maximum temperature was only  $31^{\circ}$ . Considerable falls of rain occurred in the south, 19 mm. at Falmouth, 13 at Jersey and Valencia, and 12 at Scilly. Snow showers were widespread and snow lay rather deeply in parts of SE. England and also at Aberdeen. Sunshine records were almost all good.

## The Conditions at 7h. Today

A depression that was indicated west of Ireland yesterday afternoon passed rapidly along the Channel during the night, and is now approaching France. The Danish depression has not moved far since yesterday morning. The wind is from NW. or N. over the northern part of the British Isles, and from NE. along the south coast of England. It is strong over the Channel and in Scotland. Snow or hail showers are falling in many parts of the country. The temperature is below the freezing point inland, and also at many coast stations.

## The Outlook

Northerly winds may be expected tomorrow in all parts of the country, which will be fresh or strong at times on the east coast of Scotland and over the Eastern half of the Channel, but will be for the most part only of moderate strength. The weather will be fair and cold, with some snow or hail showers, and frost at night.

SATURDAY, 29<sup>th</sup> MARCH, 1919, at 13h. (1 p.m.) G.M.T.

The 13h. observations show no important change apart from the continued eastward movement of the secondary depression which was over the Eastern half of the Channel this morning. The outlook remains the same.

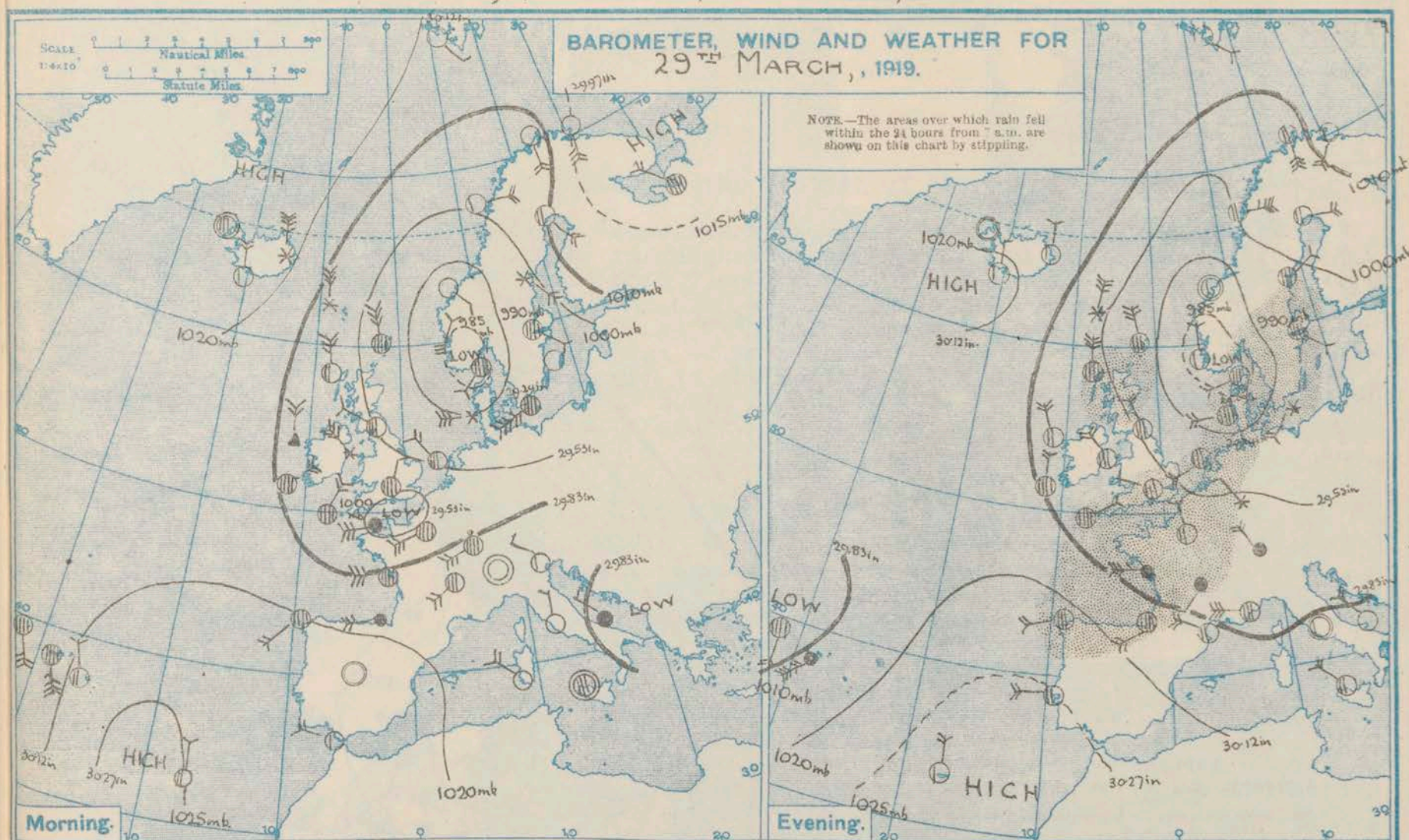


STATIONS.		EVENING OF... 28 <sup>TH</sup> ...					MORNING OF... 29 <sup>TH</sup> ...										24 HOURS ENDED 7 H. 29 <sup>TH</sup> ...					Sun- shine for 28 <sup>TH</sup> Hours.
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	993.9	32	NW	7	OS	994.7	+2	33	+2	N	6	—	omq	5	5	36	30	ompsq	OS	omqps	*
	Houton B. (Orkney)	998.9	26	NNW	8	O	997.9	+1	29	+2	N	8	*	aq	6	*	29	23	ps	qps	psq	*
	Stornoway	1005.1	27	NNW	6	cpq	1004.5	+1	30	+1	N	5	—	bc	4	3	32	25	ops	cpq	bcps	5.6
	Castellbay (Barra)	1007.4	29	NNW	3	osp	1006.5	0	32	0	N	3	—	chp	4	1	34	27	bc, spc	cs, p-o	s, bchp	4.1
	Glasgow	1005.0	31	WNW	3	bcv	1003.9	-1	28	-2	W	3	—	b	*	—	36	22	bc	bc, bu	c, bc, bc	10.4
	Esksdalemuir	1004.6	28	WNW	4	b	1002.1	-2	24	-4	WNW	5	—	b	*	—	35	19	bc, vey	c, osp, bcq	bc	4.6
	Malin Head	1007.2	35	N	2	cmqps	1005.7	0	33	-3	N	5	N	bcqps	5	1	41	30	bcq	cm	bcqps	5.3
	Blackrod Point	1007.1	34	E	5	oms	1005.4	+1	35	-3	N	4	N	bcph	4	4	38	30	amr	amrs	bcqps	*
	Valencia (Cahirevec)	1002.8	47	SW	5	T	1009.4	7	35	-9	ENE	4	—	o	4	13	50	35	ob	or	or, o	0.0
	Roche's Point	1006.7	42	S	4	T	1008.6	+7	34	-3	W	2	—	o	2	6	48	34	o, c-o	or	r, o	*
	Birr Castle	1006.1	38	SE	1	T	1009.0	*	27	-5	N	1	—	b	*	5	42	27	c	or	ors, b	3.2
	Donaghadee	1007.2	37	NNW	4	cq	1005.9	0	32	-3	NNW	4	N	bcqph	4	1	40	30	cmqph	bcqps	cgphs	*
	Liverpool (Bidston)	1006.3	37	WNW	5	o	1003.5	0	33	-4	NW	4	NW	b	4	—	40	32	c, bcq	bc, oq	o, bc	4.8
	Holyhead	1008.2	39	NW	4	og	1004.7	0	35	-4	NNW	6	NW	cps	4	1	42	32	cps	c-o	uo, cps	3.4
	Pembroke (St. Ann's)	1009.9	40	WSW	4	ot	1005.7	+3	33	-5	NNE	2	NW	bc	4	7	43	32	bc, q	bc, op	org, rs	6.5
	Scilly (St. Mary's)	1012.5	43	W	5	or	1004.2	+3	40	-3	NE	4	NE	o	6	12	49	40	bc, c	c, or	or, o	5.2
	Falmouth	1012.2	42	W	3	oe	1003.1	+7	27	-13	NNE	5	—	og	*	19	49	36	bcq	bcq, op	org, q	5.9
	Jersey (St. Aubin)	1013.3	44	WNW	4	og	998.7	-2	48	+7	W	6	—	og, r	4	13	48	40	b	bc, og	og, r	6.0
	Portland Bill	1010.1	42	NW	4	c	1009.8	+4	36	-4	NE	6	NE	og	5	9	45	31	bcq	c	rog	*
	Dungeness	1007.1	41	W	3	c	997.8	-7	33	-4	NE	6	—	s	5	2	49	32	c	c	c, b, oqs	*
NORTHERN EUROPE, ICELAND, &c.	Wick	999.7	29	NNW	4	bcpsq	997.9	+2	31	+2	N	5	—	o	4	1	31	25	bcpsq	bcpsq	omqps	*
	Nairn	1002.6	29	NNW	3	bc	1001.1	*	33	+5	NNW	4	—	og	3	0.2	33	24	c, bcq	bcspq	bcq	9.6
	Aberdeen	1000.4	33	WNW	5	bcq	996.6	+1	31	0	WNW	7	—	osq	4	3	34	27	bcspq	bcq	tg, qps	9.6
	Leith	1004.0	33	NW	4	bc	1001.2	-1	27	-6	WSW	2	—	c	2	—	35	25	bc, c, bc	bc, c, bc	bc, buo	*
	Tynemouth	1002.3	34	NW	3	bc	999.2	-1	26	-7	WNW	2	—	c	4	—	38	24	bcq	bcq	c	*
	Spurn Head	1002.6	37	NW	5	cq	999.9	-1	29	-7	WNW	4	—	bcq	5	—	38	27	cq, bc	q	bcq	0.8
	Yarmouth (Gorleston)	1004.7	35	NW	3	bc	1001.3	-2	31	-7	NW	3	—	bcm	3	3	41	30	bcq, cs	cps, bc	om, bcm	4.2
	Clacton-on-Sea	1006.3	39	WNW	3	bc	1001.1	-3	32	-6	WNW	1	—	og	1	1	43	30	c, bcq	c, q, cs	bc, cos	5.3
	Nottingham	1006.1	37	NW	4	o	1002.2	*	30	-6	NW	2	—	bc	*	Trace	41	30	bc, c	cps, o	o, c, b	6.4
	Benson (Oxon.)	1007.5	39	WNW	4	o	1001.3	+1	29	-6	N	2	—	s	*	5	43	28	c	c, y, c	c, o, s, c	*
	St. Farnborough	*	*	WNW	3	o	1001.4	0	30	-7	N	3	—	o	*	8	45	29	psq	bc, o	o, s, o	4.5
	London (Kew Obs.)	1008.1	39	W	1	c2	1001.1	-2	30	-7	NNE	1	—	om	*	5	44	29	b, bc, c	h, o, s, bc, c	c, bc, oms	4.3
FRANCE, &c.	Isafjord	1023.0	31	—	0	r	1024.6	+1	22	+6	—	0	—	c	*	*	*	*	THE BEAUFORT SCALE OF WIND FORCE.			
	Reykjavik	1022.7	26	N	2	b	1023.8	-3	30	+5	—	0	—	b	*	*	*	*				
	Vestmanna	1020.2	26	N	5	b	1024.8	0	23	+4	N	5	—	b	2	*	*	*	Limits of Velocity.			
	Seydisfjord	1019.7	21	N	4	c	1021.9	0	18	+2	N	9	—	s	*	*	*	No.			Statute miles per hour.	Metres per second.
	Thorshavn	1003.4	24	NNE	6	s	1006.0	0	23	+4	N	6	—	s	*	*	*	0	Less than 1	Less than 0.3		
	Spitsbergen	1014.7	-26	S	6	b	1019.7	+2	-22	+9	SE	1	*	b	*	*	*	1	1-3	0.3-1.5		
	Vardö	1012.6	30	SSW	5	b	1015.7	+1	30	+3	SSW	5	—	b	3	*	30	19	2	4-7	1.6-3.2	
	Gjesvær	1007.8	28	S	6	bc	1008.7	*	28	+1	S	4	—	b	3	—	34	23	3	8-12	3.4-5.4	
	Bodö	998.6	30	E	4	b	1000.7	0	32	0	E	4	—	b	2	—	32	27	4	13-18	5.5-7.9	
	Christiansund	987.3	36	—	0	b	989.3	0	36	-2	ESE	1	—	b	2	—	39	28	5	19-24	8.0-10.7	
	Skudesnaes	985.5	34	N	2	o	985.1	-1	32	0	NNE	2	—	f	2	—	36	30	6	25-31	10.8-13.8	
	Færder (X'landia Fjord)	986.7	34	ENE	4	m	982.6	+1	34	0	SE	5	—	s	3	6	36	32	7	32-38	13.9-17.1	
IBERIA, &c.	Haparanda	1010.0	23	SSE	4	bc	1011.9	0	23	+5	SE	4	SE	bc	*	—	28	18	8	39-46	17.2-20.7	
	Hernösand	1001.1	28	E	6	s	999.3	-1	28	0	NE	4	—	s	*	21	28	9	47-54	20.8-24.4		
	Stockholm	995.7	34	SE	4	o	993.9	0	36	+2	SSE	2	—	o	*	6	36	10	55-63	24.5-28.1		
	Wisby	1036.0	37	SSE	2	o	995.7	+1	36	+2	WSW	4	—	c	3	2	41	32	11	64-75	28.5-33.5	
	Karlstad	990.9	34	—	0	o	988.6	0	36	+6	SE	4	—	o	*	2	39	12	Above 75	33.6 or above		
	The Scaw (Skagen)	983.4	36	NNE	6	r	981.0	+1	34	-3	SW	2	—	o	2	4	37	32	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.			
	Blaavands Huk	986.6	37	WNW	6	o	991.4	0	34	-3	W	6	—	s	*	1	39	30				
	Copenhagen	987.9	37	SW	6	o	992.2	+2	36	0	SW	5	—	c	*	Trace	39	34				
	Bornholm	992.0	39	SW	7	m	995.0	0	32	-5	WSW	9	—	o	2	2	41	30				
	The Helder	1002.1	36	W	7	c	999.0	-2	32	-9	NW	3	—	c	2	1	41	30				
	Brussels	*	*	*	*	*	1006.4	*	39	*	WNW	2	—	c	*	?	?	?				
	Coblentz	1007.3	36	NW	1	o	1004.8	+3	34	-2	SW	3	—	s	*	Trace	*	*				
C. Gris Nez	*	*	*	*	*	998.6	-10	32	-5	E	4	—	s	2	1	46	32					
La Hève	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
Cherbourg	*	*	*	*	*	997.5	-1	46	+5	WNW	5	—										



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,947. SUNDAY, 30<sup>TH</sup> MARCH, 1919.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF March 29<sup>TH</sup>

STATIONS.	EVENING OF 28 <sup>TH</sup>					MORNING OF 29 <sup>TH</sup>					AFTERNOON OF 29 <sup>TH</sup>				
	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12.	Weather.	Barom. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Change in 24 hours.	Wind Direc.	Force 0-12.	Weather.	Rain-fall. Millimetres.	Temp. Max. °F.	Min. °F.
<b>RUSSIA.</b>															
Sviatonos															
Kandalatska															
Archangel						1017.1	0	74	74	NW	3	o	4		
Soroka															
<b>MEDITERRANEAN.</b>															
Algiers															
Malta															
Salonica															
Athens															
Candia															
Limassol															
Alexandria						1017.2		72	+8		0	b		75	61
Cairo (Helwan)															
<b>ITALY.</b>															
Venice	1001.1	?	HNW	3	P	1010.1		43	-9	NW	1	b	5	61	39
Turin						1011.5		36	-9		0	b		35	41
Leghorn	1003.9	52	N	2	b	1011.7		50	-4		0	b		59	43
Rome	1004.3	52	NW	1	b	1011.5		45	-9	N	1	b	2	66	?
Viesti	1001.7	52	W	1	b	1008.7		50	-5	NW	1	r	3	68	54
Brindisi						1009.1		54	-3	NW	1	o		70	46
Cagliari						1015.1		54	0	NW	3	b		68	45
Palermo	1006.9	57	NW	1	bc	1011.7		52	-12		0	c		68	45
Tripoli						1015.0		59	-11	NNW	3	o	16	?	54

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

Mar. 30 <sup>th</sup> & 31 <sup>st</sup> 1919.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5.34	11.58	6.21
Greenwich	5.32	11.57	6.22
Wick	5.43	12.5	6.27
Valencia	5.40	12.4	6.25
	5.48	12.17	6.45
	5.45	12.16	6.48
	6.24	12.46	7.8
	6.21	12.45	7.9

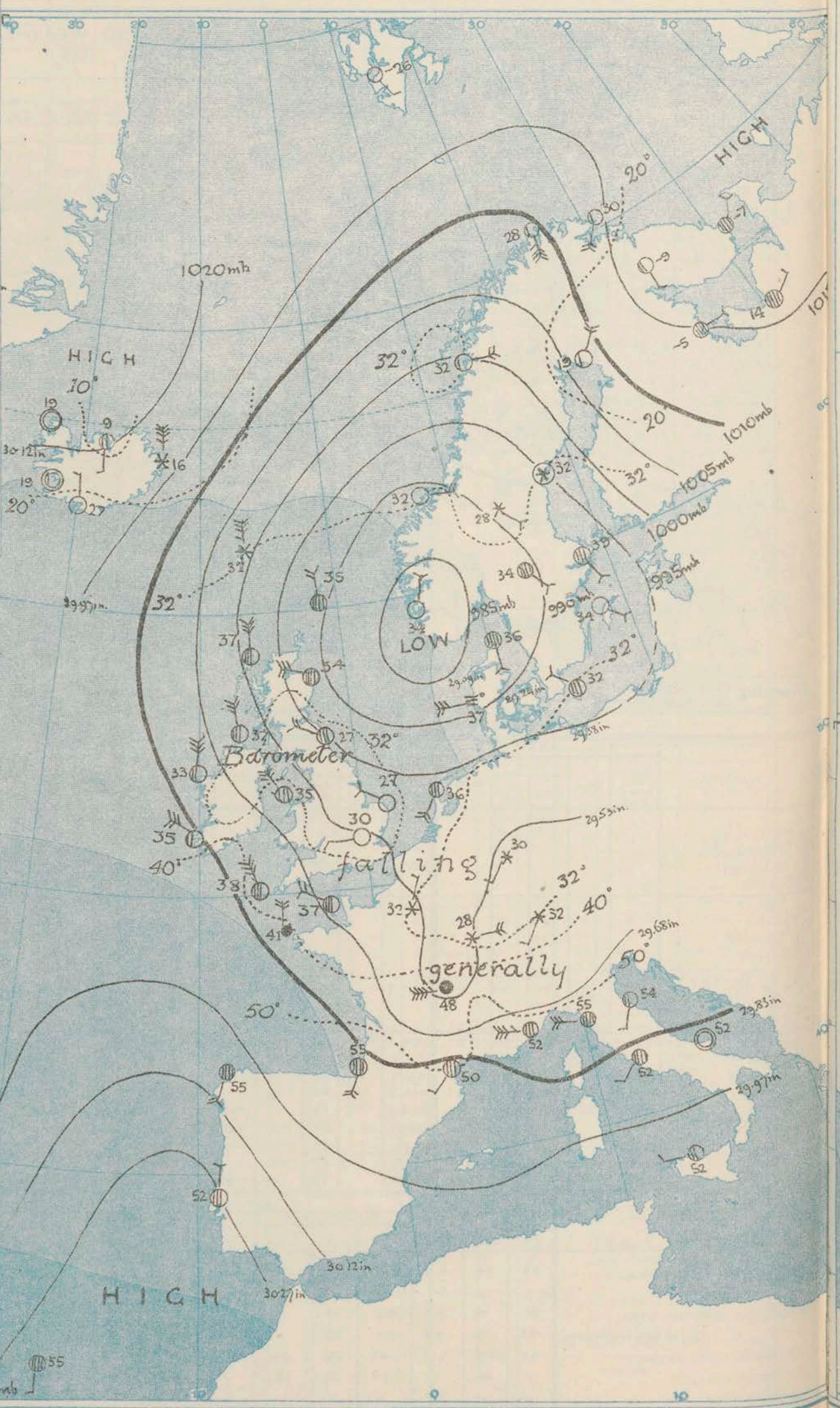
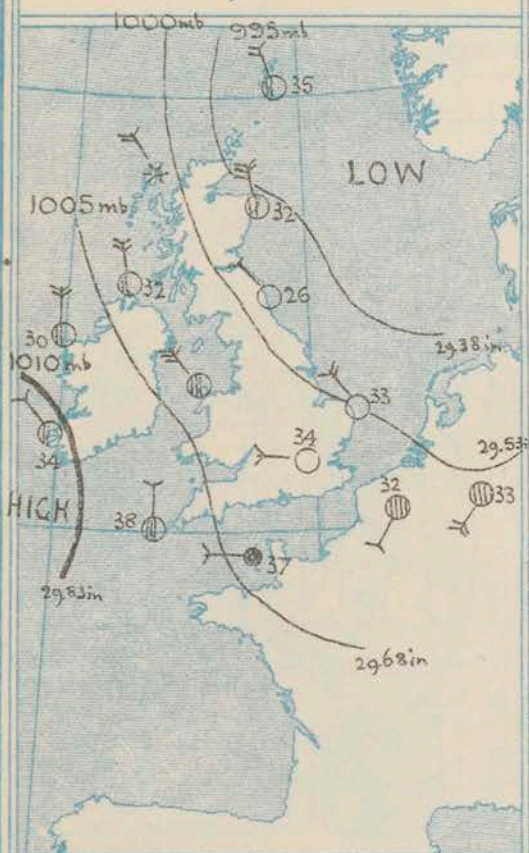
LONDON	Humidity.		Sun-shine for 24 hours.	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
MARCH 30 <sup>TH</sup> 9h. G.M.T.	29 <sup>TH</sup>	30 <sup>TH</sup>	29 <sup>TH</sup>	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	58	74	6.9	41	27	18	-	b	b.o	o.bx
CITY (Banhill Row)			7.1	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	61	66	7.0	42	27	22	-	*	*	*
(Roof of Admiralty Arch)	43	66	7.0	43	29	*	-	bcn	bc	bc.bx
CAMDEN SQ. (British Rainfall)	98	87	6.2	43	26	24	-	b	b	*
KENSINGTON PALACE		84	*	40	28	19	-	b	bc	*
RICHMOND PARK		*	7.5	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 29 <sup>TH</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1406	30.8	?



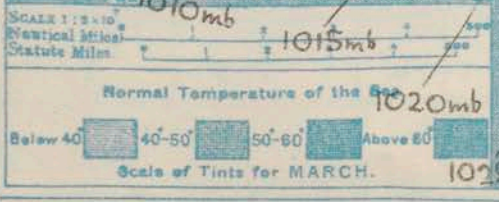
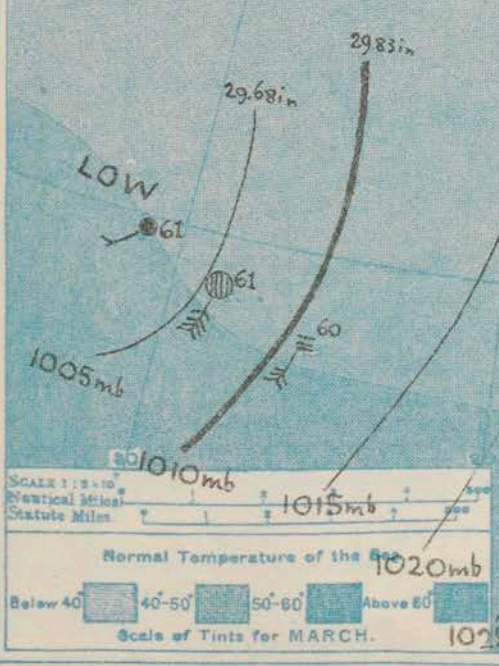
30 MAR, at 1h. G.M.T.

THE MORNING OF SUNDAY, 30<sup>TH</sup> MARCH, 1919 at 7h. G.M.T.

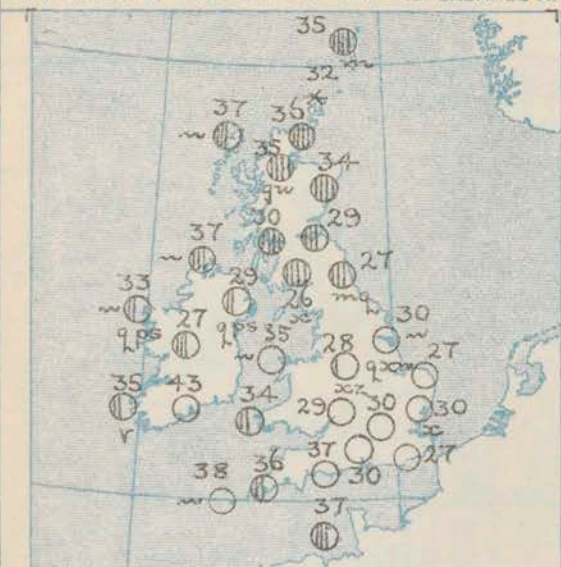


EXPLANATION.

**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.







## NOTES.

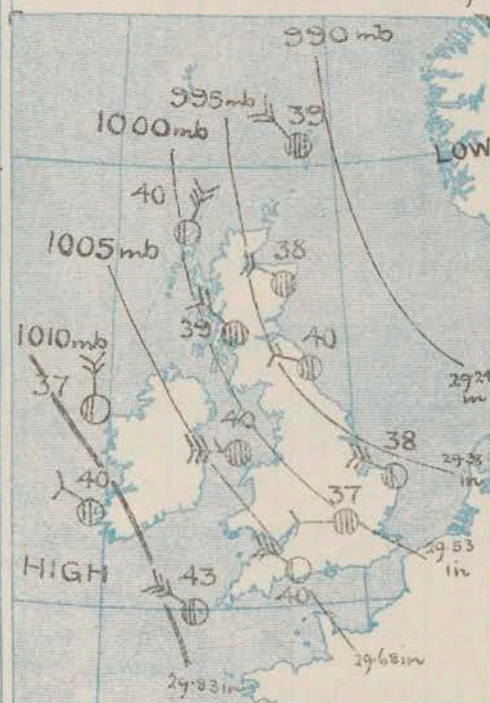
Notes on the Weather of the 24 hrs. ended 7h today.

Temperature exceeded  $40^{\circ}$  at some places in the south, the highest reading recorded being  $43^{\circ}$  at Roches Point, Seilly and Falmouth. Frost occurred during the night at many places; a shade minimum of  $23^{\circ}$  was recorded at Sth. Farnborough and  $18^{\circ}$  at Eskdalemuir. Hail, sleet or snow showers occurred in various localities but except in the southwest the day was mostly fair or fine. 9.8 hours of bright sunshine were recorded at Liverpool and 10.1 at Glasgow.

The conditions at 7h. today.

At 7h there was still a depression over Southern Scandinavia, the general distribution of pressure being practically unaltered since the previous morning. The wind was from between West and North in all districts, fresh or strong at many coast stations, but lighter inland. Dul. weather prevailed over Scotland and snow showers were falling locally in Scotland, Ireland and the North of England. Further south the weather was fine generally. Temperatures below freezing point were common, but the frost was nowhere severe.

By 13h there was an increase of cloud over Southern England accompanied by local snow showers. The wind had moderated somewhat in Scotland, but otherwise there had been little change since the morning.

SUNDAY, 30<sup>TH</sup> MARCH, 1919, at 13h. (1p.m.) G.M.T.



STATIONS.	EVENING OF 29 <sup>th</sup> ...					MORNING OF 30 <sup>th</sup> ...										24 HOURS ENDED 7 h. 30 <sup>th</sup> ...					Sun- shine for 24 <sup>th</sup> Hours.	
	Barom. at M.S.L.	Temp.	Wind.		Weather.	Barom. at M.S.L.	Change in 3 hours.	Temp.		Wind.		Dir. of Upper Cloud.	Weather.	Sea 0-12.	Rain- fall. inches.	Temp.		Weather.				
			Dir.	Force				Dir.	Force	Max.	Min.					Morning	Afternoon.	Night.				
BRITISH ISLANDS.	Lerwick	993.7	36	NNW	5	cmg	990.4	0	35	+2	NNW	3	-	0	4	2	37	31	cmg	cmg	cm	6.0
	Houton B. (Orkney)	997.4	30	NW	8	o	992.3	0	32	+3	NNE	8	-	sq	4	5	37	27	bcps	bcps	bcps	7.2
	Stornoway	1003.2	29	N	6	bcps	993.1	-1	37	+7	N	6	-	sq	5	5	37	27	bcps	bcps	bcps	10.1
	Castlebay (Barra)	1005.2	31	N	3	oshp	1001.6	0	36	+4	NNW	3	-	osp	4	5	36	29	sh.b.c	sh.csh	sh.bcs	4.4
	Glasgow	1002.0	35	NW	3	bc	997.0	-5	30	+2	W	3	-	o	5	40	26	b.b.c.c	spbc	bc.b.c	7.4	
	Eskdalemuir	1001.9	29	N	3	ospm	997.0	-4	26	+2	WNW	5	-	ox	5	38	18	b.b.c.c	cy.ospm	dbc.c	7.4	
	Malin Head	995.0	34	NNW	5	bcaps	1001.2	-3	37	+4	NNW	5	N	qps	6	37	29	bcaps	bcaps	bcaps	7.4	
	Blackod Point	1009.3	34	NNW	4	bcps	1007.1	-1	33	-2	N	6	N	bcps	5	38	29	bcps	bcps	bcps	1.7	
	Valencia (Cahireve)	1019.2	39	N	3	o	1010.2	0	35	0	NNW	5	-	bcv	3	Trace	41	32	oy	ov	osh.c	6.9
	Roche's Point	1009.1	41	NNW	3	o	1010.3	0	43	+9	NW	3	-	b	2	0.1	43	32	c	o	ospbc	6.9
	Birr Castle	1008.1	35	NW	1	c	1007.1	0	27	0	NW	1	-	c	1	41	26	cp	cph	csx	6.9	
	Donaghadee	1004.5	37	N	4	bcaph	1001.4	+2	34	-3	NW	5	NW	bcaps	4	4	40	27	bcaph	bcaph	bcaps	9.8
	Liverpool (Bidston)	1005.4	34	WNW	4	b	1000.5	+1	30	+3	WNW	5	-	s	4	40	28	bc.b	bc.b	bc.os	8.3	
	Holyhead	1005.2	33	NW	4	eps	1002.0	-1	35	0	NW	6	NW	sq	5	41	31	cp	cp	cp	7.5	
	Pembroke (St. Ann's)	1007.7	35	WNW	2	cv	1005.5	+2	34	+1	NNW	4	NW	bcv	2	0.4	42	33	bc	cp	cp	7.5
NORTHERN EUROPE, ICELAND, &c.	Scilly (St. Mary's)	1008.2	40	ENE	2	o	1007.4	0	38	-2	NNW	6	NW	c	5	2	43	34	o	o	ocvph	0.0
	Falmouth	1007.5	39	N	4	o	1006.0	+2	36	+7	NW	3	-	bc	1	43	27	ocq	cy.o	c.bcp	0.8	
	Jersey (St. Aubin)	1006.8	40	N	3	o	1004.2	0	37	-11	NW	3	NW	c	2	3	49	33	agnc	o.b.o	o.c.os.c	2.5
	Portland Bill	1005.5	40	NW	4	c	1003.5	0	37	+1	NW	4	NW	b	3	4	32	32	c.b.c	bc.c	c.b.c	2.5
	Dungeness	1002.7	38	WNW	3	b	1000.6	-1	27	-6	WNW	2	-	b	2	3	40	25	q.c	c.b	bc.bx	2.5
	Wick	997.9	32	N	5	cmg	991.7	0	36	+5	NNW	4	-	cmg	2	2	36	30	ompgs	c.osp	cp.sog	5.9
	Nairn	1000.3	32	NNW	3	c	992.8	0	35	+2	NNW	4	-	ogv	4	5	36	27	spbc	c.bchp	csq	5.9
	Aberdeen	998.4	32	WNW	5	bq	991.0	-2	34	+3	WNW	5	-	o	3	0.3	36	29	bc.spg	bq	bc.spg	5.9
	Leith	1000.7	34	NW	3	bc	995.1	-3	29	+2	SW	2	NW	c	2	-	35	26	cu.cbc	cs.cbc	bc.buc	5.9
	Tynemouth	999.2	37	NW	3	c	995.3	-3	27	+1	WNW	3	-	cmg	4	-	39	25	cqps	cqps	bc.cmg	2.7
	Spurn Head	999.3	38	N	5	bcq	996.7	-1	30	+1	WNW	5	-	bcxmw	5	0.1	38	28	cq	cqps	bc	2.7
	Yarmouth (Gorleston)	999.5	33	NNW	6	omgs	993.2	-1	27	-3	NW	2	-	b	2	1	40	26	bcmg	bcaps	b	7.3
	Clacton-on-Sea	1002.2	39	WNW	3	bc	1000.0	-1	30	-2	WNW	3	-	b	2	-	41	28	og.c.bc	bcy	bc.b	7.3
	Nottingham	1002.4	38	WNW	4	bz	999.4	0	28	-2	WSW	2	W	bzx	2	-	42	26	bm	bm	b	9.7
	Benson (Oxon.)	1003.4	37	WNW	3	cy	1000.9	-1	29	0	W	2	-	x	2	-	40	25	bby	bcy	bc.bx	8.4
St. Farnborough	1003.4	37	WNW	4	cy	1001.7	-1	30	0	WNW	2	-	b	2	0.4	42	23	bcy	bc.c	o.c.b	8.4	
London (Kew Obs.)	1003.9	39	WNW	1	cz	1001.2	-1	30	0	W	1	-	bx	1	41	23	om.b.bc	bc.c	c.b.c	7.6		
FRANCE, &c.	Isafjord	1019.3	32	-	o	b	1021.9	+3	19	-3	0	-	b	2	0	0	0	0	0	0	0	0
	Reykjavik	1020.7	34	-	o	b	1019.9	+1	19	-11	0	-	b	2	0	0	0	0	0	0	0	0
	Vestmanna	1021.1	32	N	1	b	1016.6	0	27	+4	N	1	-	b	1	0	0	0	0	0	0	0
	Seydisfjord	1019.4	25	N	2	b	1019.5	-1	16	-2	N	8	-	s	2	0	0	0	0	0	0	0
	Thorshavn	1001.5	30	NNE	6	s	1001.3	-1	32	+9	N	7	-	s	2	0	0	0	0	0	0	0
	Spitsbergen	1019.8	-29	SE	2	b	1019.7	0	-26	-4	SE	1	-	s	2	0	0	0	0	0	0	0
	Vardö	1015.8	30	SW	4	b	1014.0	-2	30	0	SW	4	-	b	4	0	30	25	0	0	0	0
	Gjesvær	1009.7	28	S	6	bc	1009.9	0	28	0	S	7	-	b	3	0	34	25	0	0	0	0
	Bodö	1000.4	28	E	7	bc	999.9	0	32	0	E	4	-	b	2	0	32	25	0	0	0	0
	Christiansund	989.0	37	-	o	b	989.0	0	32	-4	E	3	-	b	3	0	41	32	0	0	0	0
	Skudesnaes	984.0	36	N	2	b	984.2	-1	34	+2	NNE	2	-	b	2	0	39	30	0	0	0	0
	Færder (Xlauna Fjord)	984.4	34	SE	2	o	985.6	0	34	0	SE	3	-	m	3	0	34	32	0	0	0	0
	Haparanda	1008.6	27	E	4	bc	1007.0	-1	19	-4	NE	4	-	b	0	0	34	14	0	0	0	0
	Hernösand	998.4	25	NE	2	o	994.7	0	32	+4	-	0	-	s	0	19	32	25	0	0	0	0
	Stockholm	993.0	30	SE	2	o	993.7	+1	34	-2	SSE	2	-	c	0	1	37	28	0	0	0	0
Wisby	994.3	34	S	2	c	992.8	-1	34	-2	SE	2	-	b	0	0	39	27	0	0	0	0	
Karlstad	988.8	34	SE	2	o	989.0	0	34	-2	SE	2	-	o	0	2	37	28	0	0	0	0	
IBERIA, &c.	The Scaw (Slagen)	984.2	37	WSW	3	c	985.6	0	36	+2	S	2	-	o	2	2	41	34	0	0	0	0
	Blavands Huk	989.6	36	W	4	o	989.3	-1	37	+3	W	5	-	m	2	Trace	37	30	0	0	0	0
	Copenhagen	992.4	34	WSW	3	bc	991.8	+1	34	-2	SW	3	-	s	2	Trace	36	30	0	0	0	0
	Bornholm	993.1	30	SW	3	s	992.6	+1	32	0	NW	2	-	c	0	1	36	27	0	0	0	0
	The Helder	995.4	34	SW	4	c	995.7	-2	36	+4	SW	4	-	c	3	1	39	30	0	0	0	0
	Brussels	1000.6	32	NW	1	s	1000.4	-3	30	-4	SW	1	-	s	2	0	0	0	0	0	0	0
	Coblentz	1000.6	32	NW	1	s	1000.4	-3	30	-4	SW	1	-	s	2	0	0	0	0	0	0	0
	C. Gris Nez	1003.3	41	NE	3	r	1007.3	+1	37	?	N	1	-	o	2	20	50	34	0	0	0	0
	La Hève	1006.1	41	N	3	o	1008.3	+3	32	?	NW	1	-	o	1	0	52	30	0	0	0	0
	Cherbourg	1007.3	50	W	7	r	1010.9	-3	55	+7	SSW	4	-	o	5	1	55	52	0	0	0	0
	Brest (St. Mathien)	1007.3	41	NE	3	r	1007.3	+1	37	?	N	1	-	o	2	20	50	34	0	0	0	0
	Rennes	1006.1	41	N	3	o	1008.3	+3	32	?	NW	1	-	o	1							

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	10·8-13·3
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.

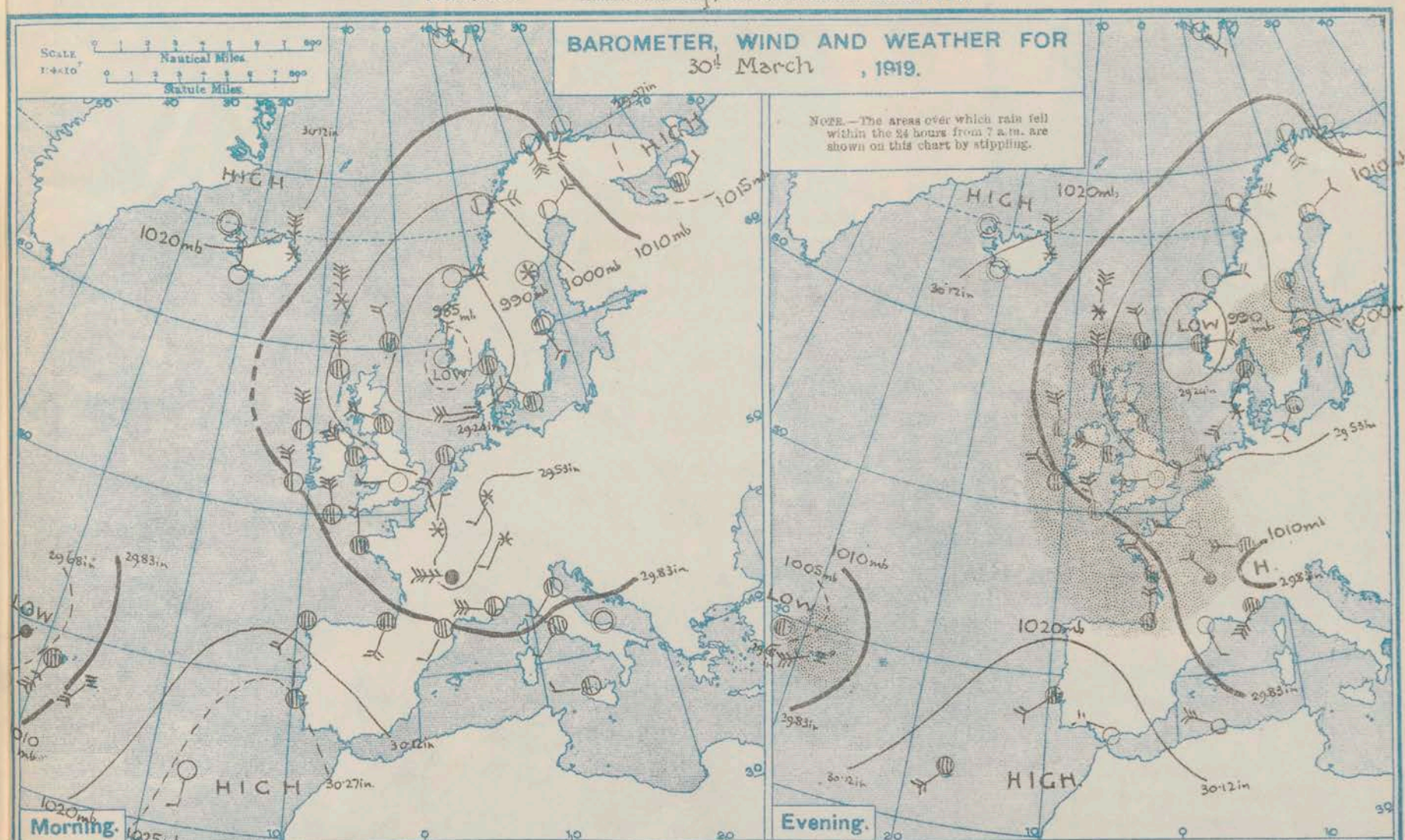


# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,948.

Monday, 31<sup>st</sup> March

1919.



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

STATIONS.	EVENING OF 29 <sup>th</sup>					MORNING OF 30 <sup>th</sup>					AFTERNOON OF 30 <sup>th</sup>				
	Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12.	Weather.	Barom. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Change in 24 hours.	Wind Direc.	Force 0-12.	Weather.	Rain-fall, Millimetres.	Temp. Max. °F.	Min. °F.
<b>RUSSIA.</b>															
Sviatonos ...															
Kandalatska ...															
Archangel ...						1015.8	+1	14		ENE	1	0	*	*	*
Soroka ...															
<b>MEDITERRANEAN.</b>															
Algiers ...					*										
Malta ...	*	*	*	*	*										
Salonica ...					*										
Athens ...					*										
Candia ...					*										
Limassol ...	*	*	*	*	*	1013.1	0	66	-6	W	0	0	-	77	52
Alexandria ...	1011.7	86	SSE	3	b	1015.1	+7	70	?	W	3	bc	-	101	63
Cairo (Helwan) ...	1013.0	88	-	0	b	1015.9	+4	79	?	SE	2	b	-	101	73
<b>ITALY.</b>															
Venice ...					*										
Turin ...					*										
Leghorn ...	1010.5	55	W	8	0	1005.2	*	55	+5	W	5	0	2	57	43
Rome ...	1013.9	48	-	0	b	1013.4	*	52	+7	SW	1	0	1	59	+1
Viesti ...	1011.3	50	NW	3	b	1011.1	*	52	+2	-	0	b	-	54	*
Brindisi ...					*										
Cagliari ...					*										
Palermo ...	1014.9	54	NW	3	bc	1019.1	*	52	0	W	1	bc	-	59	+3
Tripoli ...					*										

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

31 <sup>st</sup> March	1 <sup>st</sup> April 1919.	Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...		5.32	11.57	6.22
Greenwich ...		5.30	11.57	6.24
Wick ...		5.38	12.4	6.30
Valencia ...		5.45	12.16	6.48
		5.42	12.16	6.50
		6.21	12.45	7.9
		6.19	12.45	7.11

LONDON										SOUTH KENSINGTON (M.O.)				
31 <sup>st</sup> March 9h. G.M.T.										Vertical Component of Solar Radiation per square Centimetre during 30 <sup>th</sup>				
		Humidity.		Sun-shine for 30 <sup>th</sup>	TEMPERATURE.			Rain-fall	WEATHER.			Total Jones.	Average Rate. Milliwatts.	Max. Rate. Milliwatts.
75 h.	9 h.	30 <sup>th</sup>	31 <sup>st</sup>		Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.			
GREENWICH (Royal Observatory) ...	64	64	7.5	42	31	24	Trace	c.bc.cq	0.sp	c.bx.bc		1225	26.7	64
CITY (Bunhill Row) ...	*	*	7.1	*	*	*	*	*	*	*	*			
WESTMINSTER (St. James's Park) ...	64	82	7.1	43	30	24	1	*	*	*	*			
(Roof of admiralty arch) ...	60	75	7.8	42	32	*	Trace	bcm	beps	bc.bmx				
CAMDEN SQ. (British Rainfall) ...	-	81	7.2	44	29	27	1	-	-	-	*			
KENSINGTON PALACE ...	*	86	*	41	31	23	Trace	beps	bc.c	*	*			
RICHMOND PARK ...	*	*	7.0	*	*	*	*	*	*	*	*			

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

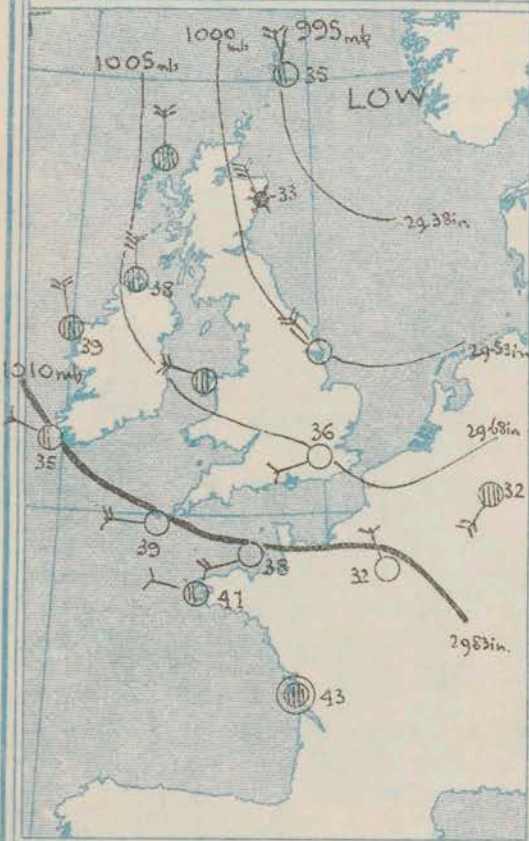
± The barometric change is expressed in half-millibars.



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

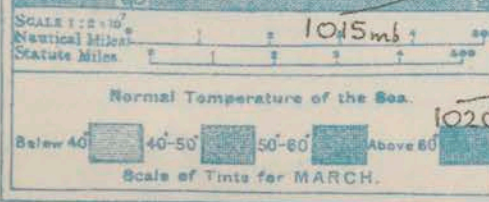
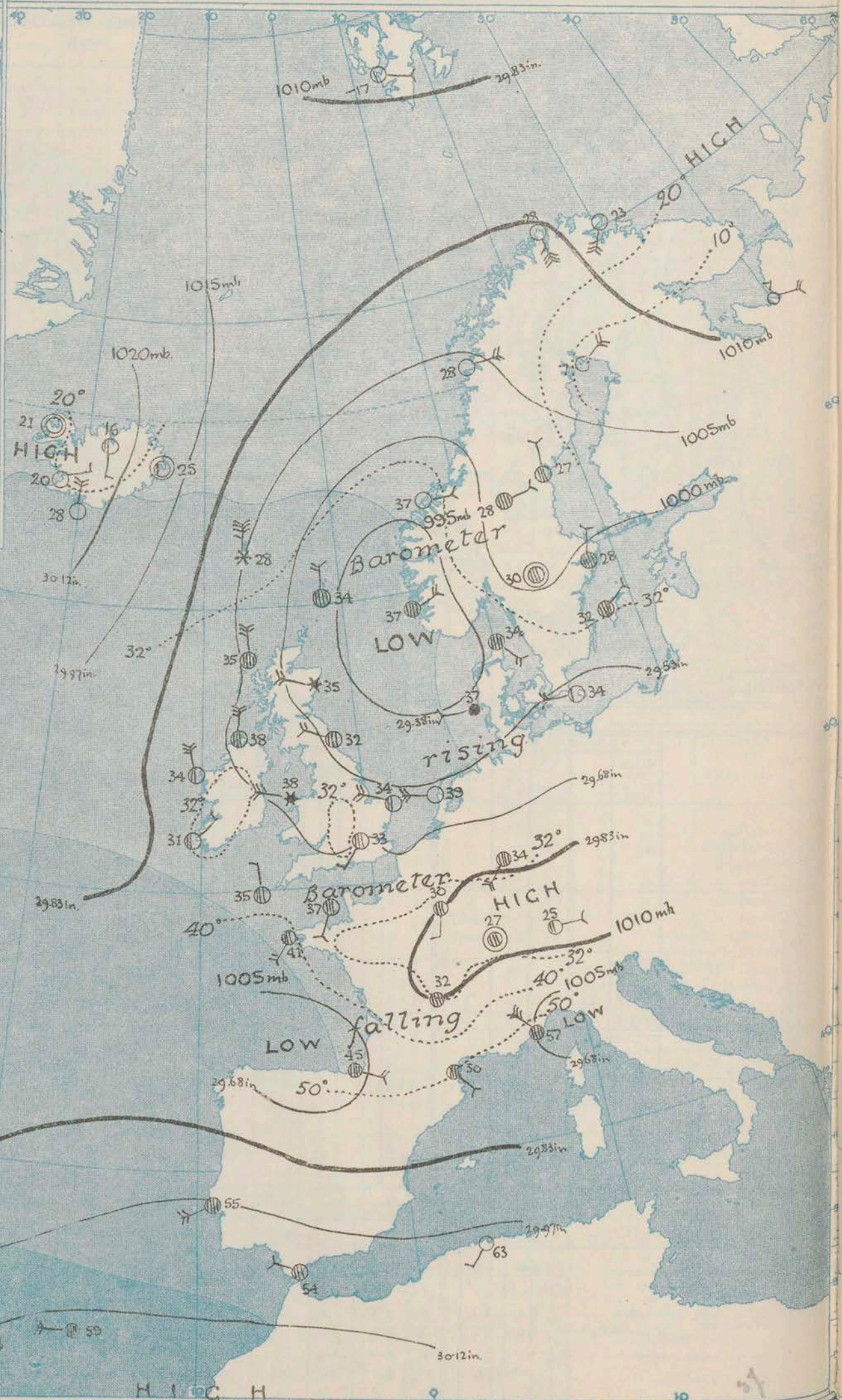
THE MORNING OF Monday, 31<sup>st</sup>

MARCH, 1919 at 7h. G.M.T.

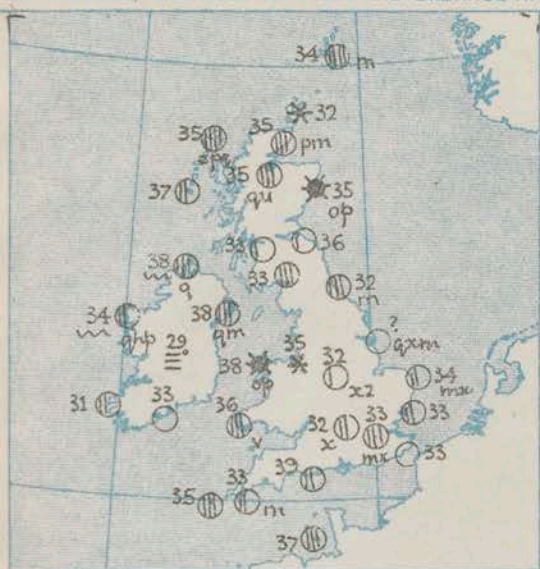


EXPLANATION.

**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







## NOTES.

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

Weather yesterday was changeable over the whole country, with snow, hail or sleet showers or squalls in most places, but a good deal of bright sunshine was recorded, exceeding 10 hours at Pembroke, Falmouth and South Farnborough, and reaching 11.0 hours at Scilly. The rain or melted snow nowhere exceeded 7 mm. Under the influence of the North-Westerly winds, temperatures continued low, the maximum nowhere exceeding 45°F, while minima below 32° occurred in most parts of the country, falling to 25° at Birr Castle and 26° in several districts.

The Conditions at 7h. Today

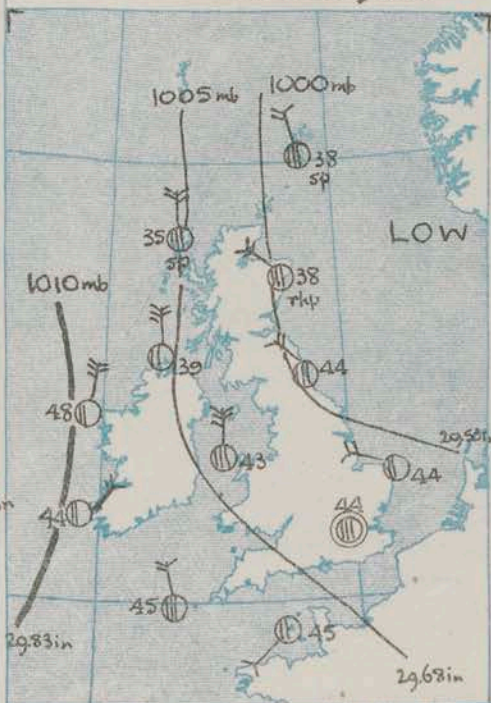
The depression which lay over Southern Norway yesterday has not changed its position but has become considerably less deep. A series of slight irregularities or shallow secondaries are traversing the British Isles in a south-easterly direction. A new depression lies north-east and east of the Azores extending into the Bay of Biscay. Pressure is high over Iceland and Switzerland.

The Outlook

The Norwegian depression will probably gradually fill up or disperse, and the winds over the British Isles will become more indefinite in direction. In the south-west they will probably later become easterly under the influence of the Azores depression, which is moving eastward or north eastward towards southern France.

Monday, 31<sup>st</sup>

MARCH, 1919, at 13h. (1 p.m.) G.M.T.



No material change has taken place in the distribution since 7h., but the Norwegian depression continues to become shallower.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 90.

Monday  
31st March

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.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 24 hours.	TEMP.		WIND.	Direc. of Upper Cloud.	Weather.	Sea 0-5.	Rain- fall Milli- metres.	TEMP.		WEATHER.							
			Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.						Max.	Min.	Morning	Afternoon	Night.					
BRITISH ISLANDS.	Lerwick	992.0	36	NNW	4	0	996.3	+4	34	-1	N	3	-	om	2	4	41	33	op	oph	amps	*		
	Houton B. (Orkney)	994.5	35	N	6	0	998.3	+2	32	0	N	7	*	s	5	*	38	30	sq	prsq	sq	*		
	Stornoway	1000.4	37	N	5	opqs	1004.0	+1	35	-2	N	5	-	opsg	4	5	41	35	bc	bc.opsg	opsg	7.0		
	Castlebay (Barra)	1003.1	37	NNW	4	shpc	1005.8	+1	37	+1	N	4	-	bc	4	7	37	32	spc.sp	scstsc	crs.bo	4.1		
	Glasgow	999.6	40	NW	3	bc	1002.4	+3	33	+3	W	1	NW	b	*	0.3	41	29	o	ohp.bc	b.besp	1.1		
	Esksdalemuir	999.3	35	NW	3	0	1001.4	+1	33	+7	N	3	-	c	*	1	38	26	ab.osp	opso	o.b.osp	1.2		
	Malin Head	1004.4	38	N	6	cyph	1004.2	0	38	+1	N	5	N	cq	*	2	42	37	bcqps	bcqph	cq	3.3		
	Blacksod Point	1007.2	38	NNW	5	bcqps	1008.0	0	34	+1	NNW	5	-	bcqph	5	6	40	28	bcqps	bcqps	bcqph	*		
	Valencia (Cahircivon)	1010.5	41	NW	3	c	1009.3	0	31	-4	NE	1	-	bc	3	1	43	29	bcphs	bc.bq.c	c.v.b	5.9		
	Roche's Point	1009.2	42	NW	4	bc	1007.2	0	33	-10	NW	3	-	b	1	-	45	32	b.bc	bc	bx	*		
	Birr Castle	1008.2	34	NW	1	s	1007.5	*	29	+2	NW	1	-	m	*	2	43	25	cphs	cphs	fx	6.2		
	Donaghadee	1002.7	40	NNW	5	bcq	1003.6	+2	38	+9	NNW	4	N	cma	4	1	43	28	bcqmp	bcqmp	bcqmp	*		
	Liverpool (Bidston)	1000.8	39	WNW	6	bc	1002.2	+1	35	+5	WSW	4	-	s	3	1	40	30	c.o	ops	b	2.4		
	Holyhead	1003.5	42	WNW	6	cq	1003.2	-1	38	+3	WNW	5	NW	oprs	4	0.1	44	34	c.og	o.cq	cpse	6.9		
	Pembroke (St. Ann's)	1006.7	42	WNW	4	cq.v	1006.2	-1	36	+2	NW	2	NW	cv	3	-	42	33	bcq.v	bcq.v	bc.v	10.1		
	Scilly (St. Mary's)	1010.3	41	NNW	5	bc	1007.6	-1	35	+3	N	1	NW	c	3	1	45	34	cvph	c.bev	bcps	11.0		
	Falmouth	1009.3	38	NW	4	bqv	1006.9	-2	33	+3	N	1	-	bez	*	Trace	45	30	bc.cph	c.b.phy	bx.f	10.7		
	Jersey (St. Aubin)	1008.6	40	WNW	3	c	1007.5	-1	37	0	S	2	S	c	2	1	45	31	c.b.c	p.ohsp	bx.coc	7.3		
	Portland Bill	1005.9	40	NW	5	bc	1003.4	-2	39	+2	W	3	W	bc	4	-	42	35	bc	bc	bc	*		
	Dungeness	1002.1	37	WSW	4	bc	1004.8	+1	33	+6	W	3	-	b	2	-	44	27	b.bcps	c.bc	c.b.c	*		
NORTHERN EUROPE, ICELAND, &c.	Wick	995.0	37	NW	4	omp	998.0	+1	35	-1	NNW	4	-	cmp	3	6	41	33	om.bcp	bc.omp	opcmp	*		
	Nairn	996.8	37	NNW	3	bc	1001.4	*	35	0	N	4	-	cqu	3	4	40	33	cspr	c.bc	cpssq	4.4		
	Aberdeen	995.2	37	WNW	4	amps	997.6	+2	35	+1	WNW	4	-	orps	3	2	41	34	crspq	bcq.c.o	crsp	6.0		
	Leith	997.9	40	NW	2	c	1000.6	0	36	+7	NW	2	NW	b	2	0.2	40	29	c.ogpo	o	c.bes.b	*		
	Tynemouth	996.0	39	NW	2	cm	999.2	0	32	+5	NW	3	-	cm	3	1	43	26	cq	cq	os.cm	*		
	Spurn Head	997.5	39	WNW	4	cq	1000.4	0	28	-2	WNW	4	SW	bqxm	4	1	41	26	bcq	bcq	bqxm	1.3		
	Yarmouth (Gorleston)	998.5	38	WNW	3	bc	1003.4	+1	34	+7	WNW	4	-	bcmx	3	2	40	26	b.bcps	bcqps	bcx	8.0		
	Clacton-on-Sea	1000.3	40	WNW	3	bc	1004.7	+1	33	+3	W	3	W	bc	2	0.1	40	29	b.bcps	bc.cq	bcym	8.1		
	Nottingham	999.0	35	W	3	c	1003.2	*	32	+4	WSW	2	W	bx	*	1	40	28	bc	c.oprs	c.q.b	4.5		
	Benson (Oxon.)	1002.2	39	W	4	c	1005.0	-1	32	+3	-	0	-	bcx	*	*	41	27	cps	cq.c	bcx	*		
	St. Farnborough	*	*	WSW	5	b	1006.0	-1	31	+1	W	3	-	ox	*	0.2	42	27	bcpsq	bc.c.b	b.ox	10.3		
	London (Kew Obsv.)	1002.4	39	W	2	b	1005.4	0	33	+3	SW	1	-	cmx	*	0.2	41	30	bx.bc	o.os.b	b.bch	8.6		
	FRANCE, &c.	Isafjord	1022.6	31	-	0	b	1021.5	-3	21	+2	-	0	-	b	*	*	*	*	THE BEAUFORT SCALE OF WIND FORCE.				No.
		Reykjavik	1021.6	34	N	2	b	1023.1	0	20	+1	E	1	-	b	*	*	*	*					
Vestmanna		1019.0	35	N	3	b	1021.5	+0	28	+1	N	4	-	b	*	*	*	*	Limits of Velocity.				Statute miles per hour.	
Seydisfjord		1018.7	26	N	4	s	1018.9	+1	25	+9	-	0	-	b	*	*	*	*						
Thorshavn		1003.0	31	NNE	7	s	1005.2	-1	28	-4	N	7	-	s	*	*	*	*	Metres per second.				Less than 0.5	
Spitsbergen		1016.4	-8	SE	1	b	1009.6	-1	17	+9	ESE	2	*	b	*	*	*	*						
Vardö		1014.6	27	S	2	b	1010.7	-3	23	-7	SW	5	-	b	2	*	30	23	0				1-8	
Gjesvær		1008.3	27	S	5	b	1006.1	*	28	0	S	7	-	b	3	-	34	23						
Bodö		1002.1	30	E	5	b	1004.7	0	28	-4	E	4	-	b	2	-	32	23	1				10-15	
Christiansund		993.9	36	E	3	b	997.1	+3	37	+5	E	2	-	b	3	-	39	32						
Skudesnaes		987.7	36	E	4	o	993.6	+1	37	+3	ENE	3	-	o	2	-	37	30	2				16-23	
Færder (X'aniafjord)		991.0	34	SE	2	o	998.9	+3	32	-2	ESE	3	-	o	2	3	36	32						
Haparanda	1006.4	21	NE	2	b	1009.6	+1	7	-12	NE	4	-	b	0	-	30	1	3				5-12		
Hernösand	1001.0	30	-	0	bc	1003.3	+1	27	-5	N	2	-	c	0	1	36	25							
Stockholm	996.6	32	E	2	bc	999.3	+1	28	-4	NNE	2	-	o	0	-	39	27	4				13-18		
Wisby	995.4	34	SE	2	o	998.1	+2	32	-2	NE	2	-	o	1	Trace	39	30							
Karlstad	994.1	34	E	2	c	1000.3	+4	30	-4	-	0	-	c	*	2	39	19	5				19-24		
The Scaw (Skagen)	990.4	36	SW	1	o	995.9	+2	34	+2	SE	3	-	o	3	-	39	34							
Blaavands Huk	992.2	34	SW	5	s	997.1	+4	37	0	W	2	-	r	*	Trace	39	32	6				25-31		
Copenhagen	994.9	37	WSW	2	c	998.9	+1	32	-2	WSW	3	-	s	*	1	41	32							
Bornholm	995.3	34	SW	2	m	1000.4	+2	34	+2	W	3	-	b	0	-	36	30	7				32-38		
The Helder	996.6	36	WSW	4	c	1001.5	+3	39	+3	W	4	-	b	2	1	39	30							
IBERIA, &c.	Brussels	1003.1	30	NW	1	o	1009.1	+1	30	0	SSW	3	-	o	*	Trace	*	*	8				39-46	
	Coblenz	1003.1	30	NW	1	o	1009.1	+1	30	0	SSW	3	-	o	*	Trace	*	*						
	C. Gris Nez	1007.8	37	WNW	5	b	1006.6	0	39	+5	W	3	-	b	3	-	41	32	9				47-54	
	La Hève	1007.8	37	WNW	5	b	1008.0	-2	36	0	SW	4	-	c	3	Trace	45	34						
	Cherbourg	1005.6	-3	36	0	SW	2	-	b	*	*	2	1	48	30	10				55-63				
	Brest (St. Mathieu)	1011.3	43	NW	5	bc	1008.2	-2	41	+4	SW	3	-	c	2						5	43	37	
	Rennes	1010.7	39	NW	2	bc	1008.3	-3	32	0	SSW	1	-	o	*	-	45	30	11				61-73	
	Rochefort (de l'Aix)	1011.7	43	NW	3	o	1008.3	-3	32	0	SSW	1	-	o	*	-	45	30						
	Biarritz	1011.8	52	N	4	o	1004.3	-5	45	+10	ESE	3	W	o	4	5	61	41	12				73-80	
	Paris	1007.3	39	W	3	b	1009.9	-2	30	-2	SSW	1	W	c	*	2	43	30						
	Strasbourg	1005.9	32	SW	1	bc	1012.2	-1	30	0	SSW	1	-	b	*	12	34	27	13				81-90	
	Besancon	1010.6	34	NE	1	o	1009.6	-4	32	-16	-	0	-	o	*	5	55	30						
Clermont	1010.6	34	NE	1	o	1009.6	-4	32	-16	-	0	-	o	*	5	55	30	14				91-100		
Limoges	1002.6	55	W	8	o	1005.0	+1	57	+5	NW	5	-	o	3	-	63	52							
Nice	1002.6	55	W	8	o	1005.0	+1	57	+5	NW	5	-	o	3	-	63	52	15				101-110		
Sicie	1006.6	52	SW	6	c	1006.7	+0	54	0	SW	3	-	c	3	-	57	50							
Perpignan																								