

5381

M.O. FORM 2610

METEOROLOGICAL OFFICE,  
LONDON.

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# DAILY WEATHER REPORTS

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



Scale  $1:2 \times 10^7$

Nautical Miles

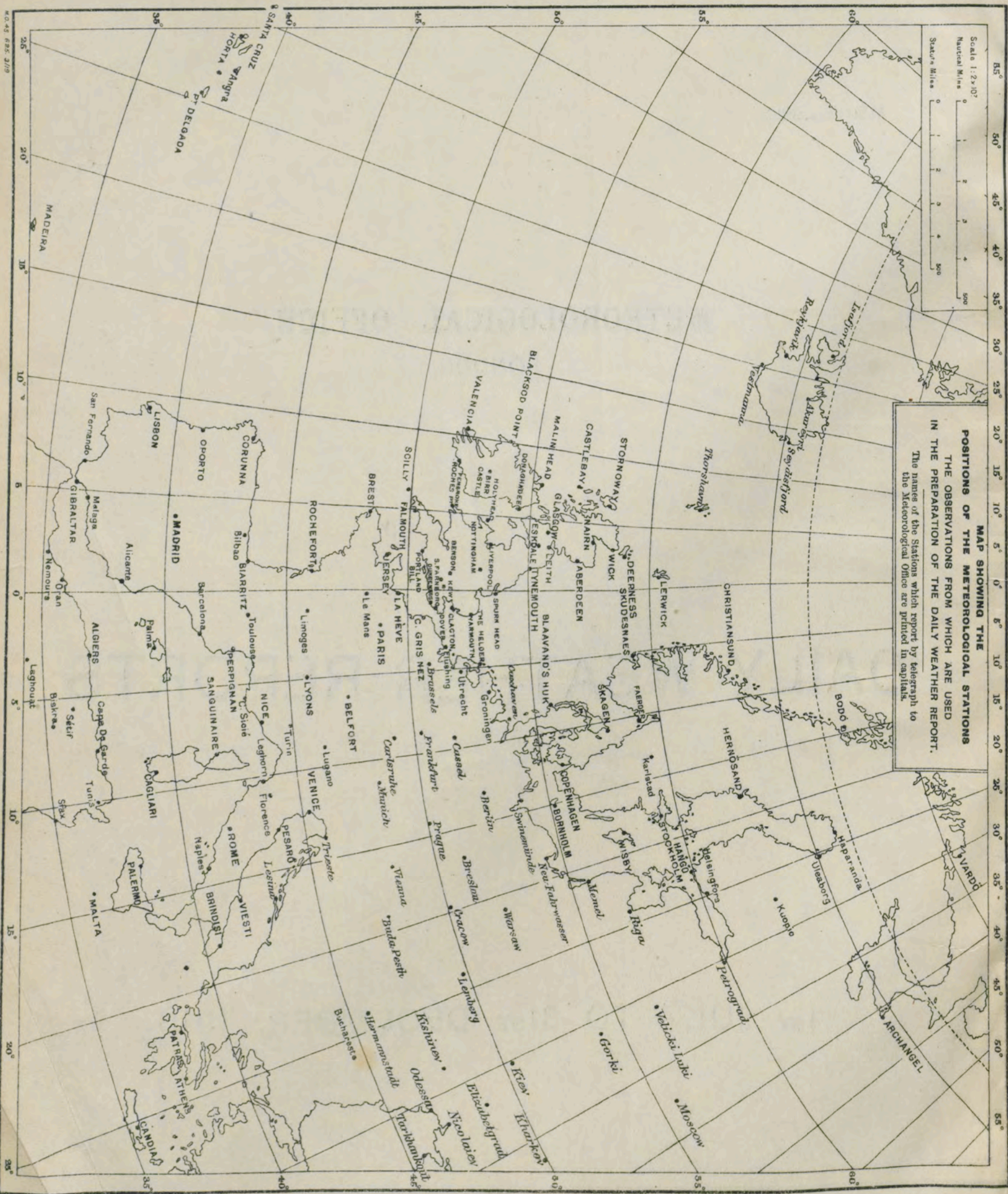
Statute Miles

0 1 2 3 4 5

0 1 2 3 4 5

5.9

The names of the Stations which report by telegraph the Meteorological Office are printed in capitals.





# DAILY WEATHER REPORT. APPENDIX I.

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

### FOURTH QUARTER, OCTOBER TO DECEMBER.

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

OCTOBER.

NOVEMBER.

DECEMBER.

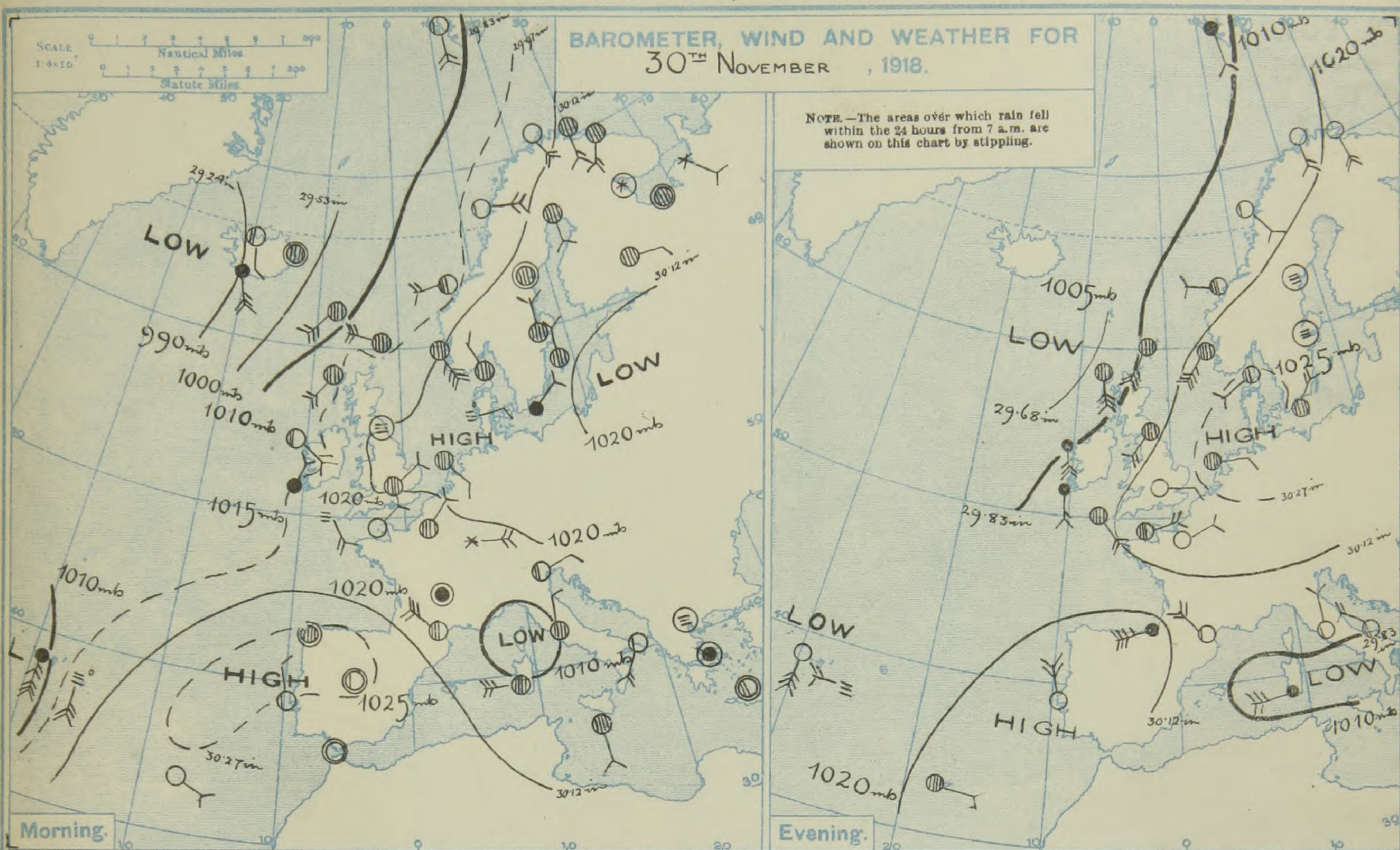
STATIONS.	PRESSURE 1906-1915.  7 a.m. Obser- vations (re- duced to M.S. Level).	AIR TEMPERATURE.								RAINFALL 1881-1915.		BRIGHT SUNSHINE. 1881-1915.		
		Means of			Absolute Extremes.					Days with Rain.	Total Fall.	Daily Mean.	Per Cen- tage of Possible Duration.	
		1906-1915.	1881-1915.		1881-1915.									
			Dry Bulb 7 a.m.	Daily Maxi- mum.	Daily Mini- mum.	Maximum.		Minimum.						
						Temp.	Year.	Temp.	Year.					Year.
	mb.	°F.	°F.	°F.	°F.		°F.			mm.	in.	hr.	%	
Lerwick .....	1011.2	47.3	50.1	42.3	63	1908	28	1887	24	100	3.95	—	—	
Stornoway .....	1010.0	47.1	52.2	41.2	70	1898	27	1892	23	132	5.18	2.77	28	
Castlebay (Barra Isd.) ..	[1011.6]§	[50.5]§	[53.6]§	[47.7]§	[63]§	[1908]§	[34]§	[1909, 1913]§	[20]§	[86]§	[3.39]§	[2.55]§	[25]§	
Esksdalemuir .....	[1014.4]¶	[42.4]¶	[51.5]¶	[38.5]¶	[65]¶	[1910]¶	[19]¶	[1911]¶	[15]¶	[100]¶	[3.93]¶	[2.39]¶	[23]¶	
Malin Head .....	1009.3	49.3	53.2	45.6	73	1908	32	1892	20	75	2.95	—	—	
Blackod Point .....	1009.4	51.0	54.7	46.0	71	1908	29	1905	23	127	4.99	—	—	
Valencia .....	1010.2	51.2	50.4	46.6	71	1908	28	1892	22	142	5.57	3.26	31	
Roche's Point .....	1011.2	51.0	56.2	46.4	65	1884, 86, 1914, 15	32	1881	19	104	4.09	—	—	
Birr Castle .....	1010.7	46.8	55.0	40.7	74	1908	22	1905	18	74	2.91	3.16	30	
Donaghadee .....	1011.3	49.2	54.3	44.3	66	1898	21	1892	18	73	2.88	—	—	
Liverpool (Observatory) ..	1012.5	47.9	54.1	44.8	73	1908	27	1895	18	83	3.27	[2.81]§	[27]§	
Holyhead .....	1011.5	51.3	55.1	46.9	75	1908	32	1892	19	101	3.99	[2.87]§	[28]§	
Pembroke (St. Ann's Hd.) ..	1011.4	51.6	55.6	48.1	67	1908	33	1895	19	106	4.19	3.29	31	
Scilly (St. Mary's) .....	1011.3	53.2	57.5	50.1	69	1895	38	1895, 1896	21	93	3.66	3.81	36	
Falmouth .....	1012.5	51.0	56.3	47.7	67	1895	33	1895	21	126	4.06	3.74	35	
Jersey (St. Aubin's) .....	1013.3	53.4	59.0	49.1	76	1908	33	1887	20	116	4.55	4.06	38	
Portland Bill .....	1012.2	53.8	56.9	48.8	[67]†	[1908]†	[35]†	[1905, 1908]†	17	94	3.68	—	—	
Dunegness .....	1013.2	52.1	57.4	46.0	70	1886, 1908	23	1890	17	89	3.52	—	—	
Dover .....	[1015.5]§	[50.7]§	[57.5]§	[46.6]§	[74]§	[1908]§	[30]§	[1909]§	[18]§	[106]§	[4.18]§	[3.81]§	[36]§	
Wick .....	1011.0	47.0	52.2	41.0	73	1898	22	1885	21	75	2.96	—	—	
Nairn .....	1010.9	44.2	53.1	39.0	76	1908	19	1896	19	60	2.35	[3.20]‡	[33]‡	
Aberdeen .....	1012.2	46.6	52.8	41.7	74	1883	25	1880	20	76	3.00	3.06	30	
Leith .....	1011.9	47.7	54.8	42.1	75	1908	25	1894	17	61	2.41	—	—	
Tynemouth .....	1012.6	47.9	54.1	42.4	77	1908	27	1890, 92, 95, 1909	17	76	3.01	—	—	
Spurn Head .....	1012.8	50.7	54.6	45.9	70	1900	33	1887, 1895	17	61	2.40	[2.68]§	[26]§	
Yarmouth .....	1013.6	50.6	55.2	45.3	74	1900, 1908	27	1895	18	74	2.93	[3.35]§	[32]§	
Clacton-on-Sea .....	1013.7	51.0	55.7	45.7	[71]‡	[1908]‡	[29]‡	[1905]‡	14	49	1.91	3.01	35	
Nottingham .....	1013.3	46.6	55.3	41.7	78	1908	20	1890	19	63	2.49	2.68	26	
LONDON (Kew Obsy.) .....	1013.9	48.5	56.2	43.5	77	1886	25	1881, 1895	17	69	2.70	2.97	28	
Lerwick .....	1005.3	42.3	46.2	38.9	58	1901	24	1912	25	108	4.25	—	—	
Stornoway .....	1007.2	42.1	47.6	38.0	58	1897, 1901, 02	24	1912	24	148	5.83	1.43	19	
Castlebay (Barra Isd.) ..	[1007.8]§	[45.4]§	[48.5]§	[41.6]§	[56]§	[1914]§	[28]§	[1912]§	[24]§	[101]§	[3.96]§	[1.57]§	[20]§	
Esksdalemuir .....	[1009.4]¶	[37.6]¶	[43.2]¶	[32.1]¶	[54]¶	[1914]¶	[6]¶	[1912]¶	[20]¶	[154]¶	[6.05]¶	[2.03]¶	[25]¶	
Malin Head .....	1008.4	44.6	48.6	41.7	59	[1894, 99, 1906]¶	[30]¶	[1909, 1912]¶	[21]¶	[83]¶	[3.28]¶	—	—	
Blackod Point .....	1010.3	46.1	50.2	42.0	60	[1897, 1899]¶	[26]¶	[1890]¶	[24]¶	[132]¶	[5.21]¶	—	—	
Valencia .....	1012.4	46.3	52.0	42.9	63	1881	27	1890, 96, 1901	23	139	5.46	2.17	25	
Roche's Point .....	1013.0	45.5	51.4	42.5	61	1908, 1909	27	1890	19	107	4.20	—	—	
Birr Castle .....	1011.8	40.6	49.3	36.8	64	1912	17	1909	19	76	3.10	2.13	25	
Donaghadee .....	1010.4	43.7	49.4	40.1	60	1894, 1909	27	1883	19	77	3.04	—	—	
Liverpool (Observatory) ..	1011.6	42.5	48.5	40.2	61	1894, 95, 99	25	1901, 05, 15	18	64	2.50	[2.27]§	[27]§	
Holyhead .....	1011.3	46.3	50.2	42.9	62	1881	20	1915	19	105	4.14	[2.50]§	[30]§	
Pembroke (St. Ann's Hd.) ..	1012.2	46.7	51.1	43.9	60	1911	28	1890	20	97	3.80	2.17	25	
Scilly (St. Mary's) .....	1013.2	48.7	53.2	46.3	61	1898	29	1890	20	83	3.27	2.50	28	
Falmouth .....	1013.9	46.1	51.6	43.0	60	1895, 1897	23	1890	20	122	4.80	2.53	29	
Jersey (St. Aubin's) .....	1014.2	47.9	53.0	44.3	66	1899	16	1890	21	104	4.08	2.53	28	
Portland Bill .....	1012.7	47.7	51.7	44.3	[61]†	[1900]†	[29]†	[1912]†	14	66	2.58	—	—	
Dunegness .....	1012.2	44.4	50.7	40.7	63	1899	17	1890	16	70	2.75	—	—	
Dover .....	[1012.9]§	[42.7]§	[48.9]§	[38.6]§	[60]§	[1914]§	[25]§	[1911]§	[16]§	[78]§	[3.07]§	[2.90]§	[33]§	
Wick .....	1006.6	41.5	46.9	37.0	62	1900	12	1909	20	80	3.14	—	—	
Nairn .....	1007.5	39.8	46.9	35.4	62	1906	12	1904	19	60	2.36	[1.70]‡	[22]‡	
Aberdeen .....	1008.3	40.7	46.8	37.4	62	1889	14	1909	19	75	2.05	1.83	23	
Leith .....	1009.0	42.0	48.5	38.0	63	1885	18	1885	15	50	1.95	—	—	
Tynemouth .....	1009.9	41.8	48.4	38.1	62	1894	20	1912	16	54	2.13	—	—	
Spurn Head .....	1010.4	43.8	48.2	40.8	61	1894, 1895	28	1884	16	47	1.85	[1.90]§	[23]§	
Yarmouth .....	1011.6	43.3	48.5	39.6	60	1895, 98, 99, 1904	23	1890	18	61	2.41	[2.33]§	[27]§	
Clacton-on-Sea .....	1012.4	43.0	48.5	39.7	[60]‡	[1908]‡	[25]‡	[1904]‡	15	47	1.86	2.33	27	
Nottingham .....	1011.9	40.7	48.4	37.1	63	1895	13	1904	19	48	1.88	1.37	16	
LONDON (Kew Obsy.) .....	1013.2	41.9	49.1	38.8	52	1881, 94, 95	21	1901	16	56	2.22	1.73	20	
Lerwick .....	1000.9	40.4	43.6	36.6	53	1890, 1905	19	1909	27	122	4.79	—	—	
Stornoway .....	1000.9	40.3	44.4	35.4	55	1898, 1913	16	1912	26	159	6.25	0.74	12	
Castlebay (Barra Isd.) ..	[1000.5]§	[44.1]§	[46.9]§	[40.1]§	[54]§	[1912]§	[26]§	[1912]§	[26]§	[146]§	[5.74]§	[0.77]§	[12]§	
Esksdalemuir .....	[1003.9]¶	[36.7]¶	[42.1]¶	[31.0]¶	[52]¶	[1910, 12]¶	[8]¶	[1912]¶	[26]¶	[204]¶	[8.04]¶	[0.74]¶	[11]¶	
Malin Head .....	1001.6	42.3	45.7	38.6	55	[1900, 04, 13]¶	[28]¶	[1906, 1909]¶	[24]¶	[85]¶	[3.35]¶	—	—	
Blackod Point .....	1001.0	44.4	47.5	39.9	59	[1899]¶	[25]¶	[1906]¶	[26]¶	[155]¶	[6.12]¶	—	—	
Valencia .....	1005.8	45.4	49.8	41.1	57	1884, 88, 99, 1900	24	1886	26	169	6.64	1.32	17	
Roche's Point .....	1006.9	44.5	48.8	40.4	57	1906	25	1882	23	135	5.32	—	—	
Birr Castle .....	1005.2	40.5	46.1	35.0	58	1900	10	1882	21	84	3.29	1.39	19	
Donaghadee .....	1004.4	41.8	45.9	37.2	56	1885, 88, 94, 1909, 12, 13	21	1909	21	81	3.17	—	—	
Liverpool (Observatory) ..	1006.7	41.2	44.8	36.8	59	1891, 98, 1900	17	1882, 1890	19	67	2.65	[1.39]§	[19]§	
Holyhead .....	1005.8	44.5	46.9	39.9	56	1888	26	1890, 1902	20	106	4.16	[1.77]§	[24]§	
Pembroke (St. Ann's Hd.) ..	1006.9	45.5	48.1	41.3	57	1899, 1902	19	1890	22	115	4.52	1.35	18	
Scilly (St. Mary's) .....	1008.6	47.6	50.7	44.0	58	1899, 1900	30	1890	23	111	4.36	1.81	23	
Falmouth .....	1009.5	45.5	48.8	41.6	57	1899	25	1886, 1890	23	159	6.27	1.77	22	
Jersey (St. Aubin's) .....	1011.5	46.2	48.8	41.1	59	1898	22	1890	22	105	4.15	1.87	23	
Portland Bill .....	1009.1	46.5	48.											



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20828.

SUNDAY, 1<sup>ST</sup> DECEMBER, 1918.



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

STATIONS.		EVENING OF... 29 <sup>th</sup> ...					MORNING OF... 30 <sup>th</sup> ...										MORNING OF... 30 <sup>th</sup> ...						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.			
				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.				
RUSSIA.	Orlov ...	×	×	×	×	×	1024.6	?	30	?	W	2	0	-	×	×							
	Kem ...	×	×	×	×	×	1025.1	?	28	?	-	0	0	-	×	×							
	Archangel ...	×	×	×	×	×	1026.1	+1	25	?	S	1	0	-	×	×							
	Mesen...	×	×	×	×	×									×	×							
SWEDEN.	Haparanda ...	1021.6	30	-	0	S	1024.7	×	30	0	S	2	0	×	×	×							
	Hernösand ...	1018.1	32	-	0	S	1022.4	×	30	+9	-	0	0	×	×	×							
	Stockholm ...	1018.7	34	NNE	2	0	1021.6	×	32	-2	N	2	0	×	×	×							
	Wisby ...	1017.7	39	SSE	2	0	1020.4	×	39	+9	N	2	0	×	×	×							
	Sordovalva ...	1021.5	30	NE	1	0	1024.4	×	30	11	E	1	0	×	×	×							
	Hangö ...	1020.2	32	-	0	0	1023.3	×	34	0	-	0	0	×	×	×							
ITALY.	Venice ...	1011.0	39	NNW	1	b	1013.5	×	36	9	ENE	1	bc	-	46	34							
	Turin ...	1011.0	54	-	0	b	1015.7	×	28	?	-	0	f	-	54?	27							
	Pesaro ...							×		?													
	Leghorn ...	1009.7	48	-	0	b	1010.3	×	46	?	-	0	bc	-	54	45							
	Rome ...	1010.2	46	N	1	b	1010.6	×	37	?	N	1	bc	-	55	37							
	Viesti ...	1008.1	52	NW	2	0	1008.3	×	48	?	NW	3	bc	6	54	43							
	Brindisi ...	1007.4	55	NW	2	0	1007.5	×	48	?	SW	3	b	-	55	48							
	Cagliari ...	1013.7	50	NNW	4	0	1011.1	×	50	?	W	5	0	5	64	46							
	Palermo ...	1010.3	52	NW	3	0	1010.2	×	52	?	S	2	0	13	61	46							
	Tripoli ...							×															
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																							
DEC: 1 <sup>ST</sup> 2 <sup>ND</sup> 1918.																	Sunrise.	Noon.	Sunset.				
																	G.M.T.	G.M.T.	G.M.T.				
Yarmouth ...																	7.42	11.42	3.43				
Greenwich ...																	7.43	11.42	3.42				
Wick ...																	7.45	11.49	3.54				
Valencia ...																	7.46	11.49	3.53				
																	8.38	12.1	3.25				
																	8.39	12.1	3.24				
																	8.28	12.36	4.32				
																	8.29	12.30	4.32				

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

DEC. 1 <sup>ST</sup> 2 <sup>ND</sup> 1918.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.42	11.42	3.43
Greenwich ...	7.43	11.42	3.42
Wick ...	7.45	11.49	3.54
Valencia ...	8.38	12.1	3.25
	8.39	12.1	3.24
	8.28	12.36	4.32
	8.29	12.30	4.32

LONDON	Humidity.		Sun-shine for 24 hours ended 9 h. J.S.T.	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.
1 <sup>ST</sup> DECEMBER 9 h. G.M.T.	30 <sup>TH</sup>	1 <sup>ST</sup>	30 <sup>TH</sup>	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	85	91	4.2	46	33	22	0.3	b	c	o
CITY (Bunhill Row)	x	x	0.0	x	x	x	x	x	x	x
WESTMINSTER (St. James's Park)	81	96	0.0	47	38	32	0.4	x	x	x
" (Roof near Charing Cross)	85	95	0.0	47	40		0.4	bc m	bc m	b. o
CAMDEN SQ. (British Rainfall)	83	100	0.4	45	37	32	1	o. c	c. o	x
KENSINGTON PALACE	?	97	x	46	36	28	0.8	bc	bc	x

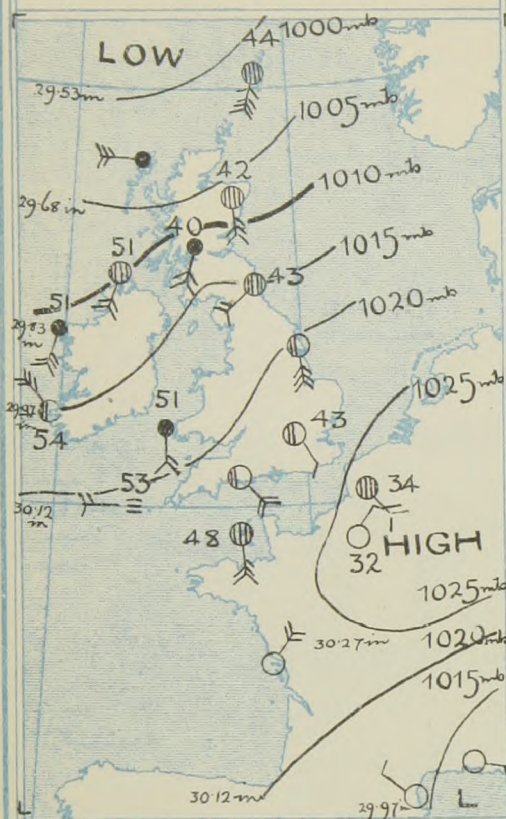
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 30 <sup>TH</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
61	2.1	8



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

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



# EXPLANATION.

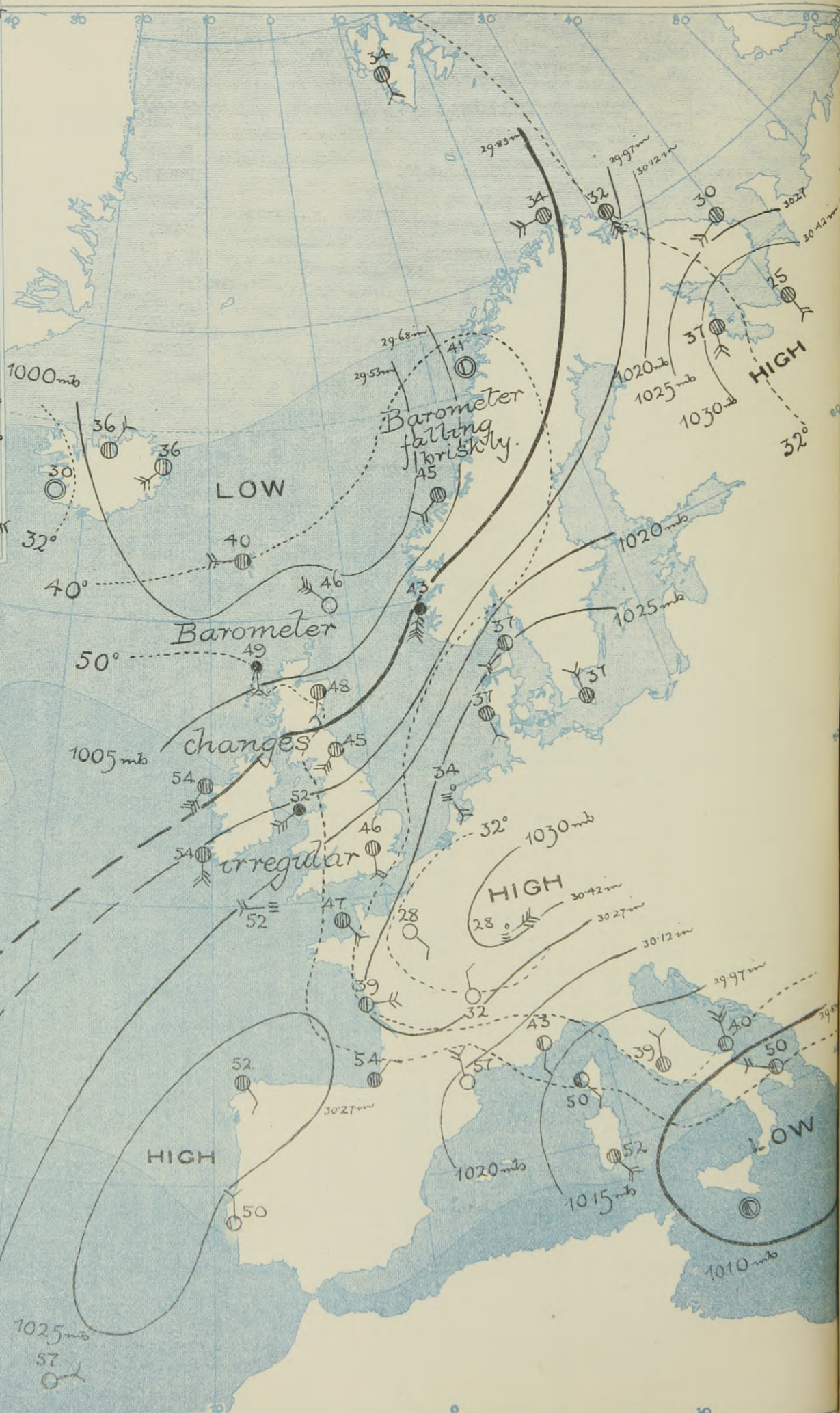
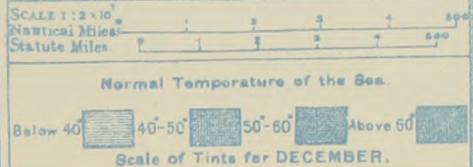
**BAROMETER.**—Isobars are drawn for intervals of five millibars.

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

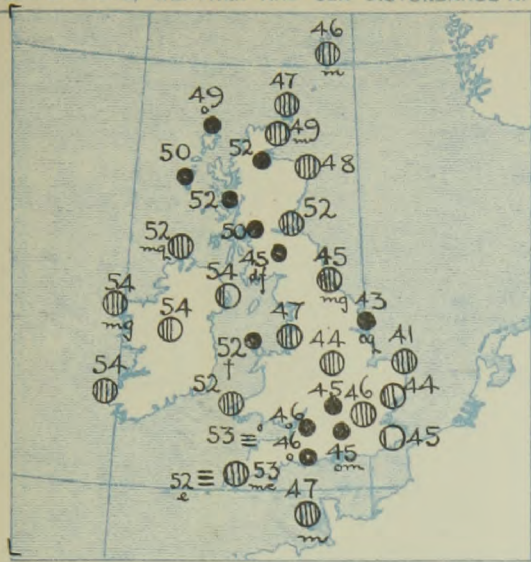
**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

**WEATHER.**—Shown by the following symbols:—  
 ☉ clear sky. ☁ sky 1/4 clouded. ☁ sky 1/2 clouded.  
 ☁ sky 3/4 clouded. ☁ overcast sky. ☔ rain falling.  
 ❄ snow. ⚡ hail. ☁ fog. ☁ mist. T. thunder.  
 ⚡ thunderstorm.

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







NOTES.

Lerwick -  
Force 8 from 23h (30")  
to 7h (14").

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

Temperature rose to between 50° and 55° at the majority of stations. Though rain fell in nearly all districts, the amounts measured were in most instances unimportant, Portland Bill alone reporting as much as 6mm. There was much dullness, with mist or fog in many places, so that there were hardly any records of sunshine.

The Conditions at 7h Today.

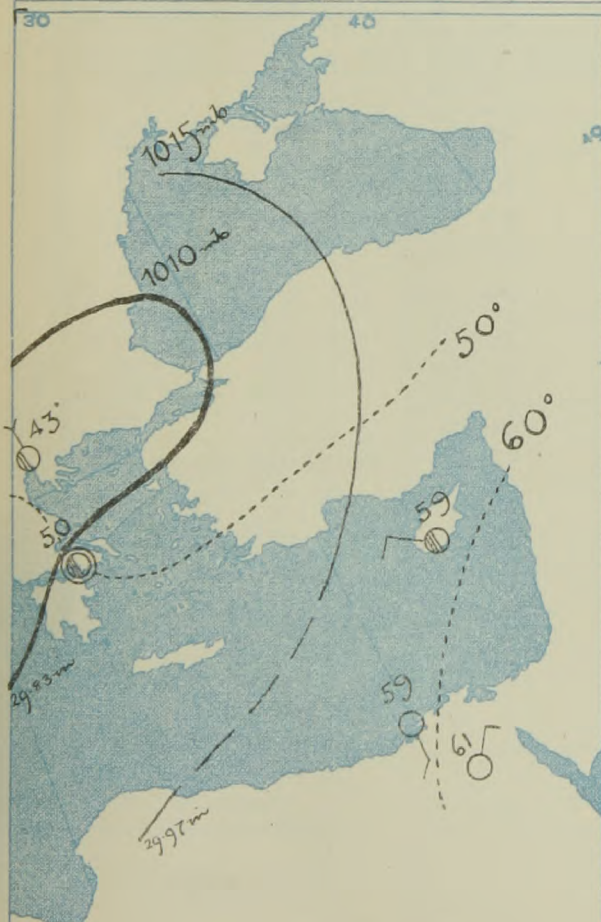
The main features of the distribution this morning are

- 1) A depression to the northward of the British Isles.
- 2) A large but shallow depression over the Central Mediterranean.
- 3) An extensive anticyclonic area stretching from Madeira north-eastward over the Bay of Biscay and France to the western Baltic.

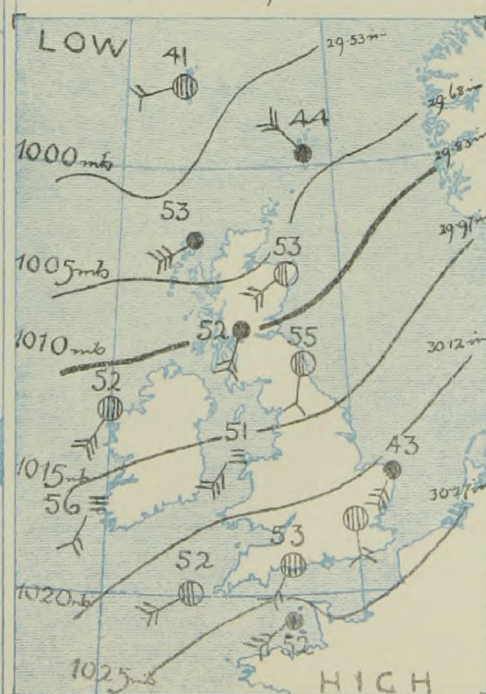
Over the British Isles winds are generally moderate to fresh from between S and SW, but reach the force of a strong gale on the Norwegian Coast. Skies are almost everywhere overcast, and rain is falling at many stations. Fog is reported in South Scotland, the Irish Sea, the Western Channel, and also at some places in the area covered by the anticyclone (3). Temperature is high for the season, being above 50° in the western districts.

No material variation in the situation is indicated in the map for 13h, very mild, damp SW winds continuing over the country generally.

H. H.



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





STATIONS.	EVENING OF 30th Nov					MORNING OF 1st										24 HOURS ENDED 7 a.m. 1st					Sun- shine for 30th	
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 24 hours.	Temp. °F.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1011.7	44	SSW	5	om	1001.5	+5	46	+2	NW	6	-	om	5	3	47	41	cm	om	ougr	*
	Deerness (Orkney)	1009.8	44	S	4	ocu	1004.7	*	47	+5	SW	2	-	o	4	2	47	42	ce	e, oe	oro	0.4
	Stornoway	1005.7	46	S	6	og	1003.7	0	49	+3	S	2	-	or	1	2	51	44	o	og	orgr	0.0
	Castlebay (Barra Isd.)	1008.4	47	SW	6	r	1005.4	0	50	-	SW	4	-	rd	4	3	50	46	o, eg	or	rd	0.0
	Glasgow	1016.2	39	SSW	2	om	1010.7	-1	50	+18	SSW	2	-	omr	*	4	50	31	f, om	feom	ompr	0.0
	Eskdalemuir	1017.7	36	SSW	2	om	1012.5	-2	45	+8	SSW	5	-	odg	*	3	45	33	f, om	om	odmf	0.0
	Malin Head	1008.5	46	S	6	omgp	1006.9	-1	52	+12	SW	4	-	omg	5	1	53	42	beg	om	og	0.5
	Blacksod Point	1009.8	50	S	4	ofd	1008.8	-3	54	+12	SSW	6	-	omg	5	1	54	43	omgp	ofd	og, fd	*
	Valencia (Cahirveen)	1014.6	54	S	3	od	1015.7	0	54	+2	SSW	5	-	o	0	2	55	51	o	od	od, re	0.0
	Roche's Point																					*
BRITISH ISLANDS.	Birr Castle	1014.0	49	SE	1	o	1014.5	*	54	+17	S	1	-	c	*	0.4	55	36	o	o	oec	0.0
	Donaghadee	1012.5	45	SSW	4	ogmg	1011.2	0	54	+16	S	5	S	bcmgp	4	3	54	38	bf, og	ogm	ogmrg	*
	Liverpool (Bidston)	1018.9	41	SE	3	bm	1015.9	-1	47	+10	SE	2	-	o	2	1	47	37	bm	bc, p, o	bc, p, o	0.0
	Holyhead	1014.7	45	S	5	bg	1015.3	0	52	+13	SW	5	-	gr	4	2	52	39	b, bc, c	bc, c, b	b, o, dm	0.1
	Pembroke (St. Ann's)	1019.5	47	ESE	3	og	1019.3	+2	52	+12	SW	2	-	o	4	6	53	39	og, c, g	og, c, g	og, c, g	0.0
	Hartland Quay	1020.1	45	ESE	5	m	1020.6	+1	53	+6	SSW	4	-	m	3	1	54	41	og, c, g	og, c, g	og, c, g	*
	Scilly (St. Mary's)	1019.6	52	SSW	4	o	1021.5	+2	52	0	W	3	-	fe	4	3	53	52	fd	fd	f, de	0.0
	Falmouth	1012.7	51	SE	3	o	1021.4	+4	53	+3	SW	1	-	ome	*	3	53	49	o	o	orome	0.0
	Jersey (St. Aubin)	1021.6	50	ENE	3	c	1023.8	+1	47	+1	SE	3	-	o	3	0.2	52	45	b, bc, g	om, bc	dw, o, dm	1.7
	Portland Bill	1020.4	48	SE	4	b	1021.0	0	46	+2	S	4	-	od	3	1	49	45	c, bm	bm	c, od	*
BRITISH ISLANDS.	Dungeness	1023.3	43	SE	3	b	1023.3	-1	45	+2	SSW	5	-	b	4	-	46	41	c, b	b	b, bc	*
	Wick	1009.7	44	S	4	og	1004.7	+2	49	+11	SSW	3	-	om	3	0.3	50	38	bc, og	og	omp	*
	Nairn	1009.9	37	-	0	ogm	1005.9	*	52	+20	-	0	-	od	1	0.4	53	30	bc	bc, c, o	ogd	0.7
	Aberdeen	1014.2	42	S	4	b	1008.2	0	48	+8	SSW	2	-	o	2	0.2	48	39	b, bm	em, o	ogp	0.5
	Leith	1015.7	41	SW	1	o	1009.6	0	52	+12	SW	2	-	o	2	1	53	37	b, m, o	om, c, o	a, c, p, uc	*
	Tynemouth	1017.9	45	SW	3	om	1012.9	?	45	0	SSW	3	-	omg	2	1	46	42	f	om	omp	*
	Spurn Head	1022.4	44	SSW	4	bc	1018.2	-2	43	-1	S	5	-	ogr	5	1	46	38	bc	bc	c, g, p	0.0
	Yarmouth (Gorleston)	1023.9	48	S	3	o	1023.0	-1	41	-3	SSW	5	-	o	4	-	48	39	bc	o	o	0.0
	Clacton-on-Sea	1025.0	42	SE	3	c	1024.1	-2	44	-1	SE	4	-	c	3	-	45	41	bc	bc	c, o, c	4.0
	Nottingham	1022.5	39	SSW	1	b	1019.2	*	44	+1	S	2	-	o	*	2	45	37	of, c	c, bc	b	0.0
BRITISH ISLANDS.	Benson (Oxon.)	1023.3	39	SE	1	o	1021.1	-1	45	+6	S	4	-	r	*	1	46	35	om	om	o	*
	St. Farnborough	1023.5	37	ESE	1	bm	1022.7	-1	45	+3	SSW	4	-	om	*	TRACE	46	84	ofm	ofm	b, om	0.0
	Salisbury Plain						1021.9	0	46	+7	SSW	2	-	od	*	2	46	37	o, om	om	bc, c, d	*
	London (Kew Obsy.)	1024.1	41	ESE	1	bm	1022.7	-1	46	+1	S	3	-	o	*	-	46	37	om, bm	bm	bm, o	1.6
	Spitsbergen	1008.3	36	S	2	r	1005.6	-1	34	0	S	2	-	o	*	*	36	32				
	Vardö	1020.6	32	S	4	b	1014.9	-3	32	+4	S	6	-	o	3	*	32	27				
	Gjesvær	1015.5	27	S	3	b	1009.7	?	34	+2	W	4	-	o	4	-	34	27				
	Bodö	1011.3	34	ESE	2	b	1008.3	-1	41	+5	-	0	-	b	0	-	36	30				
	Christiansund	1014.6	46	W	2	c	1000.7	-9	45	0	SW	3	-	o	3	-	46	45				
	Skudesnaes	1021.2	43	SSW	7	o	1013.9	-3	43	+2	SSW	9	-	r	7	5	43	41				
NORTHERN EUROPE.	Færder (Xanla Fjord)	1025.0	32	-	0	o	1020.7	-2	43	+4	SSW	6	-	o	3	-	43	32				
	The Scaw (Skagen)	1025.0	39	WSW	1	bc	1024.8	-1	37	-4	SW	3	-	c	3	-	43	34				
	Blaavands Huk	1025.3	32	SE	1	f	1023.0	-1	37	+5	S	2	-	o	*	-	37	25				
	Copenhagen	1026.9	34	-	0	f	1023.8	0	20	+4	-	0	-	f	*	-	36	28				
	Bornholm	1024.6	37	NE	3	o	1023.3	+1	37	0	N	3	-	o	2	-	39	26				
	The Helder	1026.6	34	E	1	o	1026.7	0	34	-5	SSW	3	S	m	1	-	39	34				
	C. Gris Nez	1023.8	37	E	2	b	1025.0	-1	50	+16	S	3	*	b	*	-	43	32				
	La Hève	1025.6	43	E	1	m	1026.3	+2	39	-9	SE	2	*	b	*	-	52	37				
	Brest (St. Mathieu)	1020.8	54	-	0	f	1024.2	+1	54	0	S	1	*	f	*	6	54	50				
	Rochefort (Ile d'Aix)	1019.7	52	N	2	f	1025.0	+2	39	-15	E	4	*	c	*	-	54	39				
FRANCE, &c.	Biarritz	1020.2	55	WSW	7	r	1023.4	+2	54	-3	NNE	1	*	o	*	23	57	52				
	Paris	1023.3	37	ESE	2	b	1023.2	+3	28	-13	ESE	1	*	b	*	-	45	28				
	Belfort						1030.3	*	28	-4	ENE	6	*	m	*	-	32	28				
	Lyons	1020.8	41	NNW	2	b	1026.7	+3	32	-14	N	1	*	b	*	1	50	32				
	Nice	1012.7	50	E	2	o	1018.1	+4	43	-2	SW	1	*	bc	*	-	57	41				
	Perpignan	1014.6	59	NW	4	b	1019.4	+1	57	-2	N	3	*	b	*	-	61	54				
	Sanguinaire	1010.3	55	E	3	r	1013.6	+3	50	-4	SE	1	*	c	*	16	59	48				
	Corunna	1025.9	57	NW	1	o	1027.0	+1	52	+2	SSW	1	-	o	2	-	61	52				
	Madrid																					
	IBERIA, &c.	Lisbon	1022.7	55	NNW	4	b	1023.4	0	50		NNE	2	-	b	6	-	61	52			
Azores (Horta)		1012.0	*	SSW	6	b	1011.4	-1	64	+1	S	7	*	o	5	3	66	63				
" (P. Delgada)		1015.9	*	W	3	f	1016.3	0	63	-1	SSW	4	*	bc	4	13	66	59				
Madeira		1022.9	63	E	2	o	1024.8	0	57	0	NE	2	-	b	2	-	68	57				
Gibraltar																						
Algiers							1008.7	+1	57	-	-	0	W	c	2	5	63	55				
Malta							1009.5	+7	43	-	N	2	-	bc	*	Trace	56	42				
Salonica		1005.3	47	W	1	b																
Athens												</										

\* Information for these columns not usually received.

+ Received too late for insertion in Charts

- The barometric change is expressed in half-millibars

## THE BEAUFORT SCALE OF WIND FORCE.

## Limits of Velocity.

## No. Statute miles per hour. Metres per second.

0 Less than 1 Less than 0.3

1 1-3 0.3-1.5

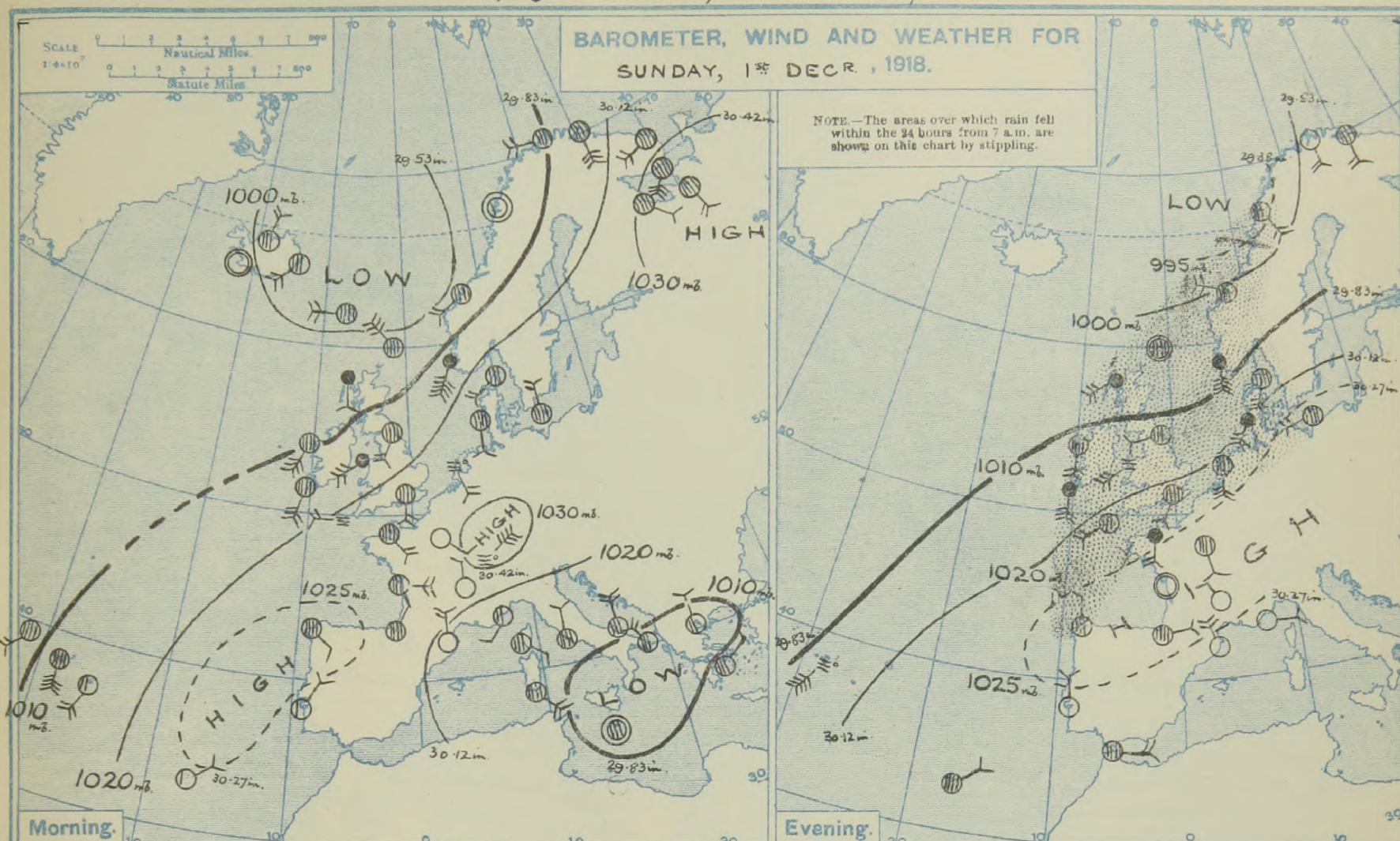
2 4-7 1.6-3.3



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,829 MONDAY, 2<sup>ND</sup> DECEMBER, 1918.

## BAROMETER, WIND AND WEATHER FOR SUNDAY, 1<sup>ST</sup> DEC. 1918.



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

STATIONS.		EVENING OF... 30 <sup>th</sup> ...					MORNING OF... 1 <sup>st</sup> ...										MORNING 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.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours.	Dirac.		Force 0-12.
RUSSIA.	Orlov ...	x	° F.	x	x	x			° F.	° F.				° F.	° F.			° F.	° F.				
	Kem ...	x	x	x	x	x	1030.3	-	25	-	SE	2	0	-	x	x							
	Archangel	x	x	x	x	x	1033.5	-1	25		S	3	0	-	x	x							
	Mesen...	x	x	x	x	x									x	x							
SWEDEN.	Haparanda	1024.4	28	SE	4	0	x							x	x	x							
	Hernösand	1024.4	30	-	0	f	x							x	x	x							
	Stockholm	1026.3	34	-	0	f	x							x	x	x							
	Wisby ...	1023.1	39	W	4	0	x							x	x	x							
	Sordovalva	1028.8	28	E	1	0	x							x	x	x							
	Hangö ...	1026.6	30	-	0	0	x							x	x	x							
ITALY.	Venice ...						x										TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Turin ...						x										2 <sup>nd</sup> and 3 <sup>rd</sup> Dec. 1918.		Sunrise.		Noon.		Sunset.
	Pesaro ...	1015.7	37	W	1	b	1018.7	x	36	-	W	1	f	6	45	37			G.M.T.		G.M.T.		G.M.T.
	Leghorn	1013.3	46	-	0	b	1015.1	x	43	-3	-	0	b	-	52	37	Yarmouth ...		7.43		11.42		3.42
	Rome ...	1011.4	45	N	2	b	1014.1	x	39	+2	N	2	c	-	55	37	Greenwich ...		7.45		11.43		3.41
	Viesti ...	1010.2	52	NNW	3	b	1012.5	x	40	-8	N	4	c	8	52	39			7.46		11.49		3.53
	Brindisi ...	1008.9	43	NW	3	b	1009.0	x	50	+2	NW	3	c	-	54	43	Wick ...		7.48		11.50		3.52
	Cagliari	1008.6	52	W	5	r	1011.1	x	52	+2	SE	4	o	5	64	48	Valencia ...		8.39		12.1		3.24
	Palermo							x											8.41		12.2		3.23
	Tipoli ...							x											8.29		12.30		4.32

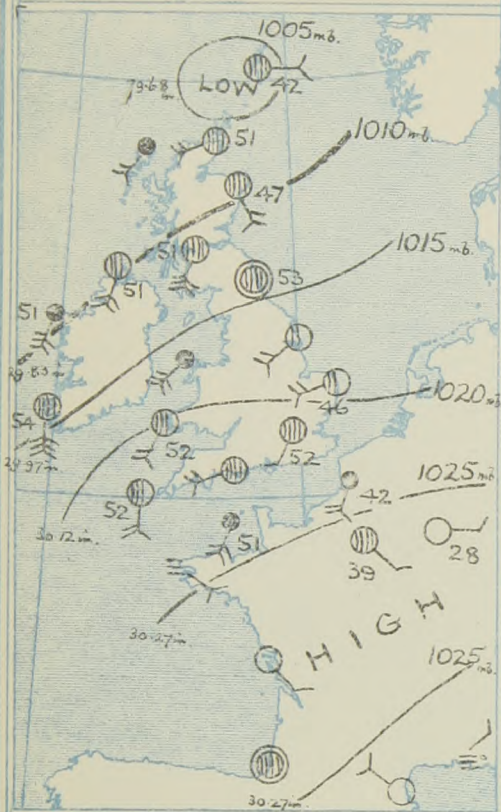
LONDON										SOUTH KENSINGTON (M.O.)									
2nd December 0h. G.M.T.										Vertical Component of Solar Radiation per square Centimetre during 1st....									
HUMIDITY.		Sunshine for		TEMPERATURE.			Rain-fall.	WEATHER.			Total.			Average Rate.			Max. Rate.		
15 h.	9 h.			Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.	joules.	Milliwatts.	Milliwatts.	Milliwatts.	Milliwatts.	Milliwatts.	Milliwatts.	Milliwatts.	
1st	2nd	1st	2nd	° F.	° F.	° F.	mm.												
GREENWICH (Royal Observatory)	95	80	0.0	53	44	44	2.0	or	0	0, 6, 0									
CITY (Bunhill Row)	%	%	0.0	*	*	*	*	*	*	*									
WESTMINSTER (St. James's Park)	93	83	0.0	54	45	42	1.9	*	*	*									
(Roof near Charing Cross)	59	96	0.0	54	45	*	1.7	om	om	*									
CAMDEN SQ. (British Rainfall)	-	82	0.0	53	46	42	3.0	-	-	*									
KENSINGTON PALACE	90	82	*	55	50	-	0.0	0	0	*									
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.																			

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



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

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



# EXPLANATION.

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

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

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

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

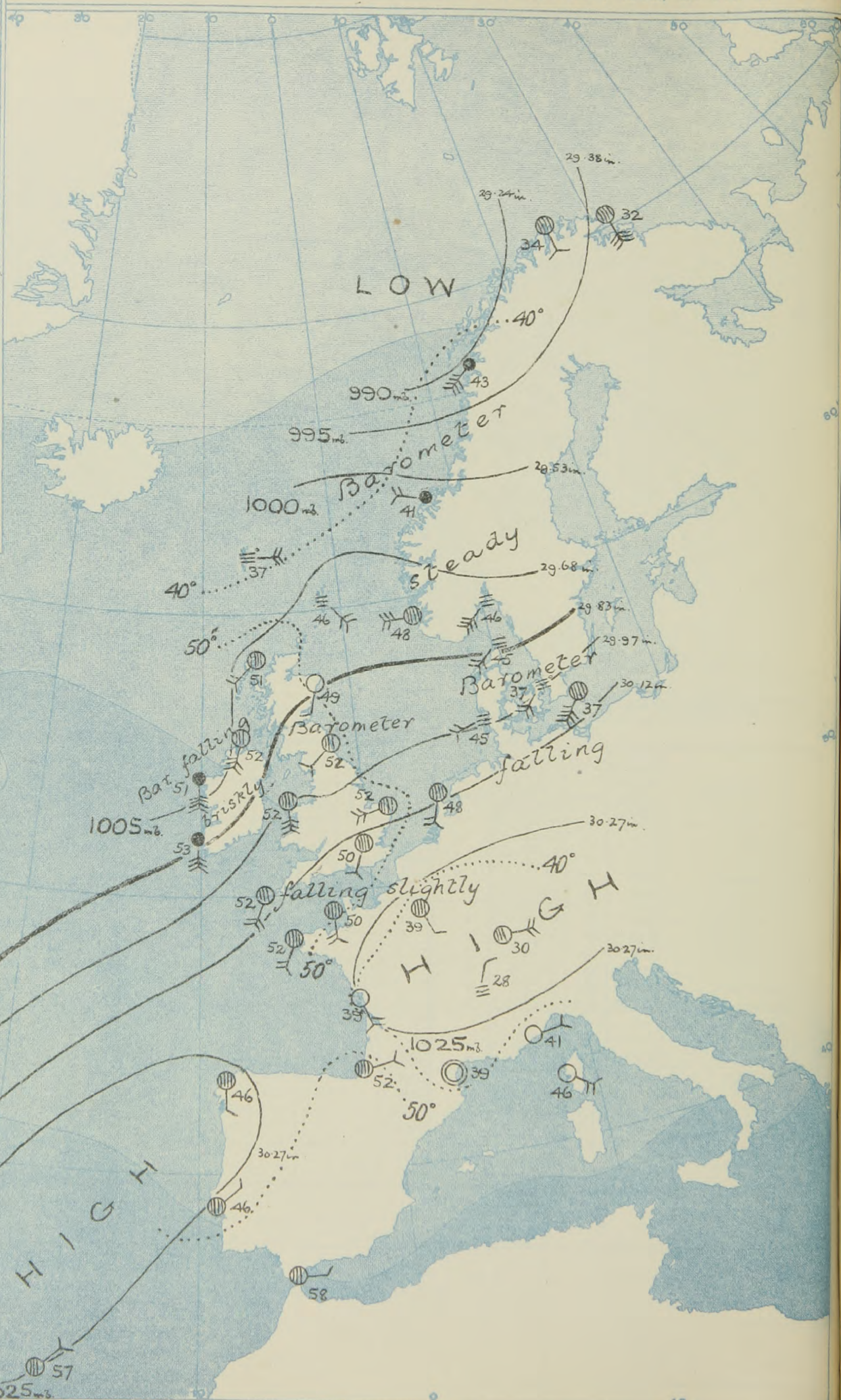
WEATHER.—Shown by the following symbols:—

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

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

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

R, thunderstorm. 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 DECEMBER.



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

Temperature rose to 50° or higher in nearly all parts of the British Isles, the highest reading being 56° or 57° at some western and northwestern stations and at Nairn. Rain - generally in slight quantities - fell at most stations, and scarcely any bright sunshine was recorded. Aurora was observed at Aberdeen during the night.

The Conditions at 7h Today.

Pressure is highest in an anticyclone covering France and Central Europe and lowest in a depression off the northwest of Norway, and in another centred to the northwestward of Ireland. The barometer is falling rather briskly over the north of Ireland, and very slowly over the British Isles generally. The main wind current over these Islands and the North Sea region is from between S and SW. It blows a fresh or strong breeze at most of the Irish stations and at Holyhead, and a gale at Blacksod Point, but elsewhere it is light or moderate. At the Azores, where the barometer appears to be falling, there is a strong gale from SW. Temperature is high for the time of year over the United Kingdom, and also very uniform, and except on the east coast of Scotland the sky is overcast, with rain at some extreme stations and showers at Spurnhead.

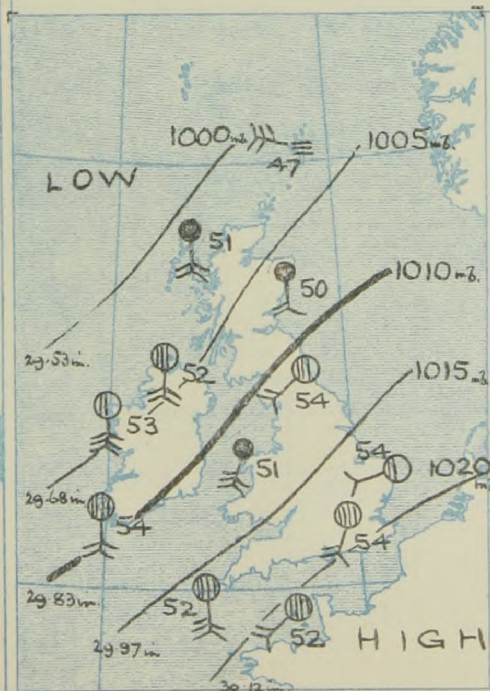
The Outlook.

The depression off the NW of Ireland will probably move NE'd or E'd, and cause rain in all parts of the British Isles, with some increase in the force of the S. to SW. winds. The general distribution of pressure now obtaining is favourable for a succession of depressions moving from SW to NE on the Atlantic, and the unstable condition of weather is consequently likely to continue.

*H.H.*

MONDAY, 2<sup>ND</sup>

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

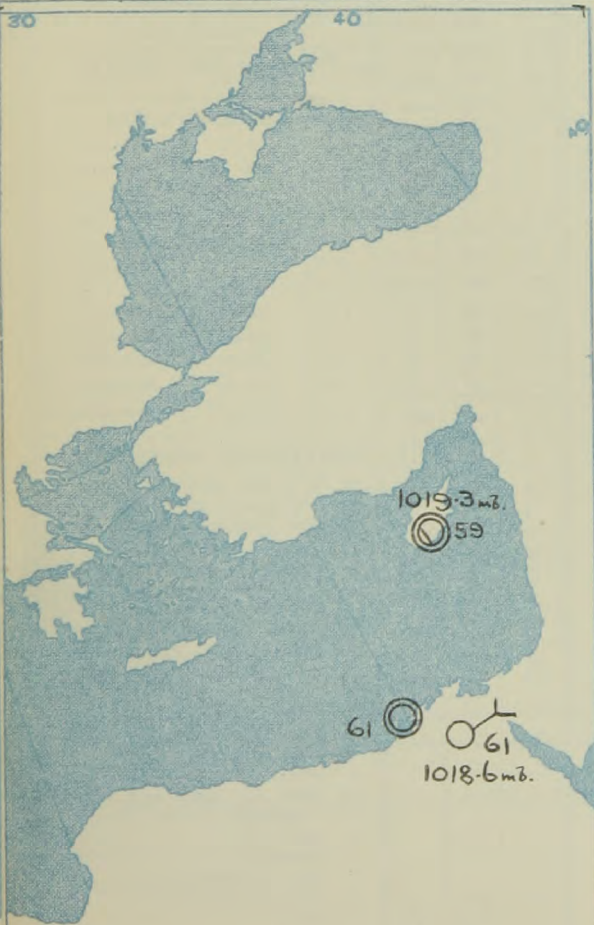


The depression to the north-westward of Ireland is spreading gradually over the British Isles, and the rain area is extending eastward.

LERWICK  
SSW, 8 11h - 14h. (1st)

ABERDEEN  
Aurora during night.

BLACKSOD  
S, 8 @ 7h. (2nd)





## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 336.

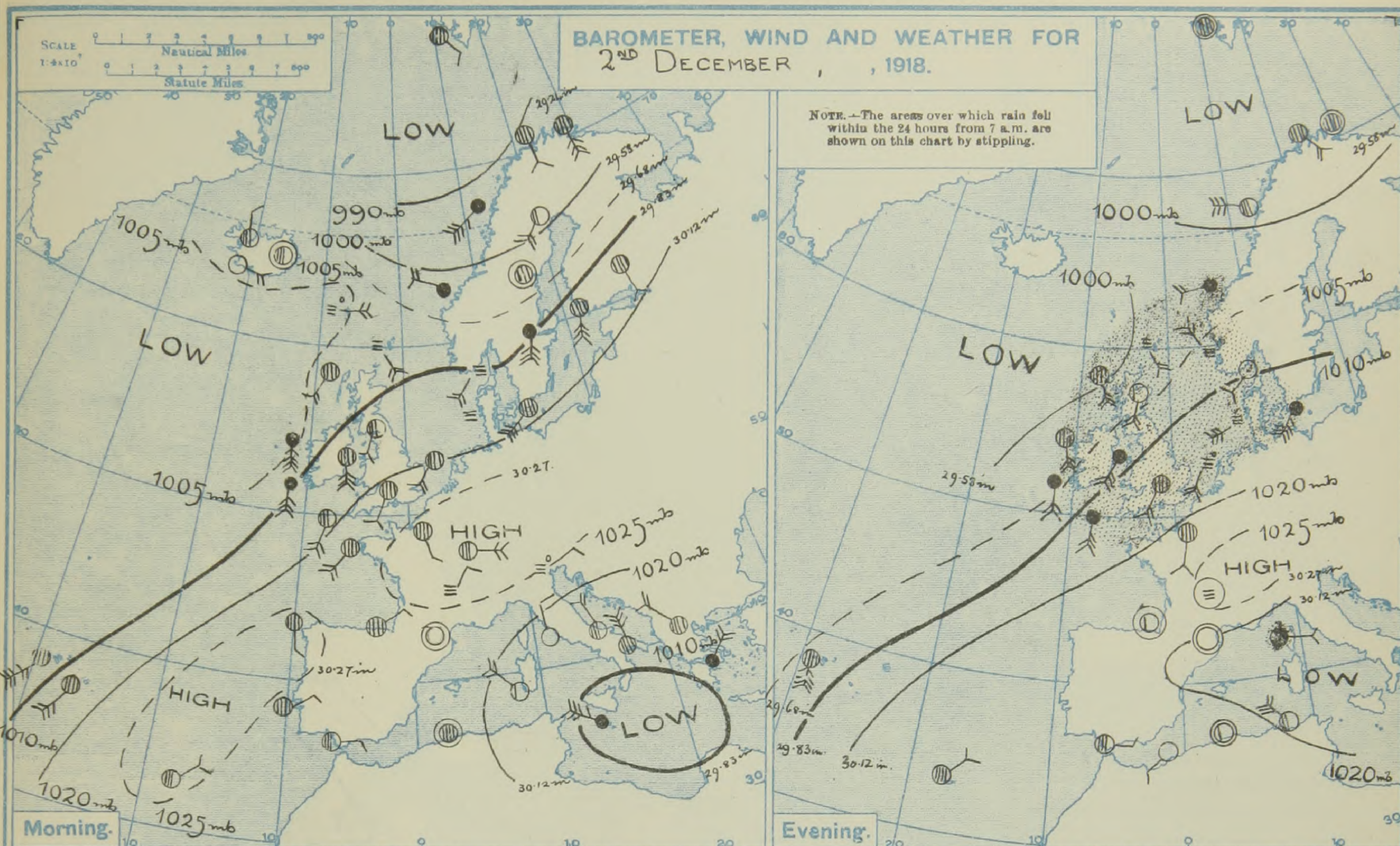
MONDAY  
2nd DECEMBER.

STATIONS.		EVENING OF... 1st ...					MORNING OF... 2nd ...										24 HOURS ENDED 7 h... 2nd ...							Sun- shine for
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 8 hours.	Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall Milli- metres.	TEMP.		WEATHER.			1st Hours.		
				Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	1003.7	44	~	0	om	1005.8	0	46	0	SE	4	-	fr	3	10	47	39	omp	omr	fr	*		
	Deerness (Orkney) ...	1002.4	51	WSW	5	og	1006.1	0	50	+3	W	3	-	fr	3	7	51	47	qrf	fro	o,c	0.0		
	Stornoway ...	1005.4	53	SW	5	org	1005.7	-1	51	+2	SW	3	-	o	2	9	53	48	org	or	or,o	0.0		
	Castlebay (Barra Isd.) ...						1006.0	-1	50	0	ESE	3	-	d	4	2	53	49			o	0.0		
	Glasgow ...	1011.9	52	WSW	3	om	1010.9	-2	52	+2	SSW	2	W	omg	*	3	53	49	r	o,c,m	omdp	0.0		
	Eskdalemuir ...	1013.9	49	S	3	om	1012.5	-1	48	+3	S	4	-	odm	*	8	51	44	odf,or	om,om	of,om	0.0		
	Malin Head ...	1011.8	51	SSW	4	om	1005.2	-6	52	0	SSW	5	SW	cg	4	1	53	48	cmg	cm	begp	0.0		
	Blackod Point ...	1011.3	53	SSW	4	ome	1003.1	-7	51	-3	S	8	*	omgr	6	13	54	50	omg	omg	of,omr	*		
	Valencia (Cahirciveen) ...	1015.6	54	S	5	od	1009.5	-2	53	-1	S	6	-	or	0	8	55	51	od	od,od	bror	0.0		
	Roche's Point ...																							
	Birr Castle ...																							
	Donaghadee ...	1013.3	54	WSW	5	cgmg	1010.9	-2	51	-3	SW	2	-	ogmp	2	4	57	51	bmng	cgmg	ogmp	*		
	Liverpool (Bidston) ...	1017.4	54	SSW	3	o	1014.5	-2	53	+6	SW	4	W	bc	2	2	56	47	p,o,c	c,o	cbe	0.1		
	Holyhead ...	1016.4	52	SW	5	fg	1015.1	-1	52	0	S	6	-	og	4	8	52	51	offe	feo,c	orpd	0.0		
	Pembroke (St Ann's) ...						1017.9	-3	52	0	SSW	4	-	o	3	Trace	53	52	ofd	fd,be	o	1.7		
Hartland Quay ...	1022.3	53	SSW	4	o	1019.4	-2	54	+1	SSW	5	-	o	3	Trace	55	51			o	*			
NORTHERN EUROPE.	Scilly (St. Mary's) ...	1022.9	53	SW	3	c	1019.7	-1	52	0	SSW	4	S	c	4	0.2	54	50	fee	c,o,c	c	0.1		
	Falmouth ...	1023.0	53	SW	3	om	1020.2	-1	52	-1	SSW	2	-	c	*	-	56	49	om,cm	bm,cm	om,o,c	1.2		
	Jersey (St. Aubin) ...	1024.7	51	S	3	odm	1022.9	-1	50	+3	S	3	-	om	3	5	52	46	oe,odm	odm	om	0.0		
	Portland Bill ...	1022.1	52	SSW	2	of	1021.0	-2	50	+4	SSW	4	-	o	3	2	53	48	orf	of	o	*		
	Dungeness ...	1023.0	48	SW	4	o	1021.9	-1	51	+6	SW	3	SW	c	3	1	51	45	cr	cr,o	offe	*		
	Wick ...	1004.1	51	W	3	c	1006.9	0	49	0	SSW	2	-	c	3	5	53	48	omg,c	c	ome	*		
	Nairn ...	1006.5	53	W	2	c	1007.2	*	50	-2	SW	1	-	be	1	1	56	49	pgc	c	cbe	0.5		
	Aberdeen ...	1008.2	52	SSW	2	o	1009.1	0	49	+1	SSW	1	-	b	2	1	54	48	od,c	bc,c,o	o,c,b	0.5		
	Leith ...	1010.5	55	SW	2	o	1010.3	0	54	+2	SW	2	-	o	2	0.4	58	51	o,d,o	o,d,o	o,ed,m	*		
	Tynemouth ...	1012.6	55	WSW	2	cm	1012.9	0	52	+7	SW	2	-	cm	2	1	55	45	cm	cm	cm	*		
	Spurn Head ...	1017.3	49	SW	3	bm	1016.8	0	49	+6	SW	4	-	ep	4	2	49	43	od	od,bm	beb	0.0		
	Yarmouth (Gorleston) ...	1020.0	45	WSW	4	om	1019.0	-1	52	+11	WSW	4	-	om	3	2	52	40	omr	omgr	om,be	0.0		
	Clacton-on-Sea ...	1022.1	46	S	3	ogm	1021.3	0	48	+4	SW	2	-	ogm	2	5	50	43	c,ogr	ogdm	ogm	0.0		
	Nottingham ...	1018.5	53	SW	3	c	1017.8	*	50	+6	SW	3	SW	c	*	1	53	44	opm	om,e	c	0.0		
	Benson (Oxon.) ...	1021.4	50	S	1	o	1019.7	-1	49	+4	SSW	2	-	o	*	3	52	45	o	om	o	*		
Sth Farnborough ...	1022.3	50	S	3	omv	1021.6	-1	51	+6	SW	3	-	om	*	4	51	45	or,om	od,om	od,bm	0.0			
Salisbury Plain ...	1022.1	52	SW	2	b	1021.1	-2	50	+4	SW	1	-	o	*	1	54	45	od,o	a,c,be	bf,o	*			
London (Kew Obs.) ...	1022.0	50	SSW	2	o	1021.3	-1	50	+4	SSW	2	-	o	*	2	51	45	o,om,om	om,o	o,om,o	0.0			
FRANCE, &c.	Spitsbergen ...																	THE BEAUFORT SCALE OF WIND FORCE.						
	Vardö ...	1007.0	34	S	3	o	996.2	-3	32	0	S	6	*	o	3	*	34	28	Limits of Velocity.					
	Gjesvær ...	1003.4	34	S	3	b	991.1	*	34	0	S	2	-	o	3	-	34	28						
	Bodö ...	993.6	41	SE	4	c	990.9	0	43	+2	SW	7	-	r	4	12	43	32	No.	Statute miles per hour.	Metres per second.			
	Christiansund ...	1001.7	45	WNW	4	c	1003.8	0	41	-4	WNW	3	-	r	3	5	50	34						
	Skudesnaes ...	1005.9	46	S	8	r	1007.0	0	48	+5	W	5	-	o	6	23	48	41	0	Less than 1	Less than 0.3			
	Færder (X'ania Fjord) ...	1012.7	41	SSW	7	r	1006.0	0	46	+3	SW	6	-	f	4	5	46	41	1	1-8	0.3-1.5			
	The Scaw (Skagen) ...	1017.9	37	SSW	5	o	1009.6	+1	45	+8	SW	4	-	f	5	5	45	34	2	4-7	1.6-8.3			
	Blaavands Huk ...	1020.4	41	SSW	5	r	1014.3	-2	45	+8	WSW	3	-	f	*	1	45	36	3	8-12	3.4-5.4			
	Copenhagen ...	1026.7	36	SW	3	o	1018.0	-3	37	+7	SW	4	-	m	*	3	37	28	4	13-18	5.5-7.9			
	Bornholm ...	1027.5	37	WSW	3	o	1019.3	-5	37	0	SW	7	-	o	1	Trace	39	34	5	19-24	8.0-10.7			
	IBERIA, &c.	The Helder ...	1022.3	41	S	5	o	1019.0	-2	48	+14	SSW	3	-	o	3	3	48	34	6	25-31	10.8-13.8		
		C. Gris Nez ...	1023.8	45	SW	5	o	1022.0	-2	46	-4	S	4	*	f	*	*	50	43	7	32-38	14.9-17.1		
		La Hève ...	1026.0	43	S	3	r	1025.1	0	?	-	NE	?	*	?	*	Trace	48	43	8	39-46	17.2-20.7		
		Brest (St. Mathieu) ...	1025.6	54	WSW	1	f	1022.6	-1	52	-2	SSW	3	*	o	*	2	55	52	9	47-54	20.8-24.4		
Rochefort (Ile d'Aix) ...		1027.0	45	-	0	b	1025.2	0	39	0	SSE	3	*	b	*	-	54	37	10	55-63	24.5-28.4			
Biarritz ...		1025.0	54	ENE	2	o	1024.2	-1	52	-2	ENE	2	*	o	*	-	57	52	11	64-75	28.5-33.5			
Paris ...		1028.2	37	SSE	2	o	1026.3	-1	39	+11	SSE	1	*	o	*	-	41	28	12	Above 75	33.6 or above			
Belfort ...							1029.9	*	30	+2	E	4	*	c	*	-	36	27	BEAUFORT NOTATION.					
Lyons ...		1028.8	34	NW	1	b	1029.2	+1	28	-4	NNE	1	*	f	*	-	43	25						
Nice ...		1028.6	52	E	3	bc	1023.1	+1	41	-2	E	2	*	b	*	-	54	37	b blue sky (not more than a quarter covered).					
Perpignan ...		1021.1	57	NNW	4	b	1022.9	+1	39	-22	-	0	*	b	*	-	61	39						
Sanguinaire ...							1020.2	+2	46	-4	SE	3	*	b	*	-	55	41	bc sky partly cloudy (one half covered).					
Corunna ...		1025.5	55	N	1	c	1023.7	+1	46	-6	S	1	-	o	2	?	57	46						
Madrid ...																			c generally cloudy (three quarters covered).					
Lisbon ...		1023.0	55	N	2	b	1024.7	+1	46	-4	NE	1	-	o	-	-	59	46						
Azores (Horta) ...	1011.3	*	SSW	5	m	1007.8	?	66	+2	SW	9	*	o	7	3	66	59	d	drizzle, or fine rain.					
„ (F. Delgada) ...	1017.3	*	SSW	4	m	1015.7	-1	66	+3	SSW	5	*	o	6	-	66	63	e	wet air without rain falling.					
Madeira ...	1023.9	63	NE	2	o	1025.0	0	57	0	NE	2	N	e	2	-	66	57	f	fog.	g gloom.				
Gibraltar ...	1022.7	61	E	3	o	1023.0	*	58	-	E	1	*	c	3	-	67	52	h	hail.	l lightning.				
MEDITERRANEAN.																		m mist.						



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

N20,830 TUESDAY, 3<sup>RD</sup> DECEMBER, 1918.



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

STATIONS.		EVENING OF 1st					MORNING OF 2nd										MORNING OF 2nd											
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.						
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours.	Dirac.		Force 0-12.					
		° F.							° F.	° F.				° F.	° F.			° F.	° F.									
RUSSIA.	Orlov ...	×	×	×	×	×								×	×													
	Kem ...	×	×	×	×	×								×	×													
	Archangel ...	×	×	×	×	×								×	×													
	Mesen...	×	×	×	×	×								×	×													
SWEDEN.	Haparanda ...						998.1	×	36	-	SW	4	bc	×	×	×												
	Hernösand ...						1004.1	×	36	-	-	0	c	×	×	×												
	Stockholm ...						1011.3	×	34	-	SW	6	r	×	×	×												
	Wisby ...						1017.9	×	34	-	SW	6	c	×	×	×												
	Sordovalva ...						1019.0	×	30	-	S	2	o	×	×	×												
	Hangö ...						1016.3	×	41	-	SSW	6	o	×	×	×												
ITALY.	Venice ...	1023.1	36	-	0	b	1024.9	×	32	-	NE	1	m	-	37	30	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						3rd and 4th Dec 1918.			Sunrise.	Noon.	Sunset.
	Turin ...	1023.1	36	-	0	b	1025.9	×	23	-	-	0	f	-	45	21												
	Pesaro ...	1022.9	46	NE	3	o	1023.1	×	45	+9	NE	3	bc	2	48	36	Yarmouth ...	7.45	11.43	3.41								
	Leghorn ...	1021.3	45	ESE	4	b	1021.8	×	43	0	E	2	b	-	54	41					Greenwich ...	7.48	11.50	3.52				
	Rome ...	1017.4	41	N	2	b	1017.0	×	41	+2	N	1	b	-	50	37	Wick ...	8.41	12.2	3.23								
	Viesti ...	1015.8	48	NNW	2	c	1017.7	×	46	+6	NNW	3	c	-	48	39					Valencia ...	8.43	12.2	3.22				
	Brindisi ...	1013.4	55	NW	5	b	1013.5	×	54	+4	NNW	6	o	-	55	46	8.31	12.31	4.31									
	Cagliari ...	1015.1	57	NW	3	bc	1019.3	×	50	-2	NW	4	b	-	63	45				8.32	12.31	4.31						
	Palermo ...							×																				
	Tripoli ...							×																				

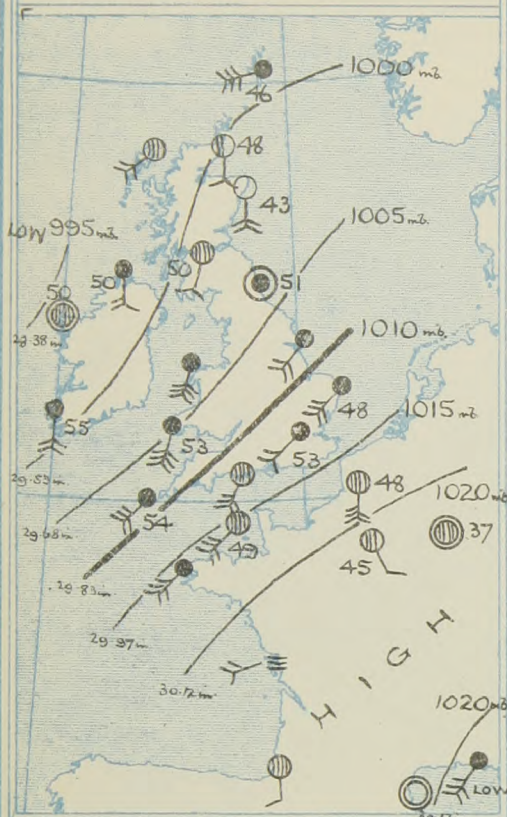
LONDON			Humidity.		Sun- shine hrs	24 HOURS ENDED 9 h. 2nd.....							SOUTH KENSINGTON (M.O.)		
			15 h.	9 h.		TEMPERATURE.			Rain- fall.	WEATHER.					
3rd. December 9h. G.M.T.			2nd.	3rd.	2nd.	Max.	Min.	Min. on Grass			Morning.	Afternoon.	Night.	Vertical Component of Solar Radiation per square Centimetre during 2nd....	
			%	%	Hours.	° F.	° F.	° F.	mm.				Total.	Average Rate.	Max. Rate.
GREENWICH (Royal Observatory)			92	92	0.0	55	52	48	4.0	0	0	od			
CITY (Bunhill Row)			*	*	0.0	*	*	*	*	*	*	*			
WIMMINSTER (St. James's Park)			90	92	0.0	56	53	47	4.0	*	*	*			
" (Roof near Charing Cross)			91	91	0.0	57	52	*	3.8	om	omd	omf, ro			
CAMDEN SQ. (British Rainfall)			84	92	0.0	55	52	47	6.0	0	0	*			
KENSINGTON PALACE			-	94	*	55	52	48	3.8	0	0	*			

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



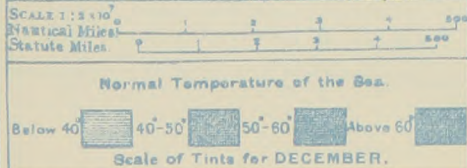
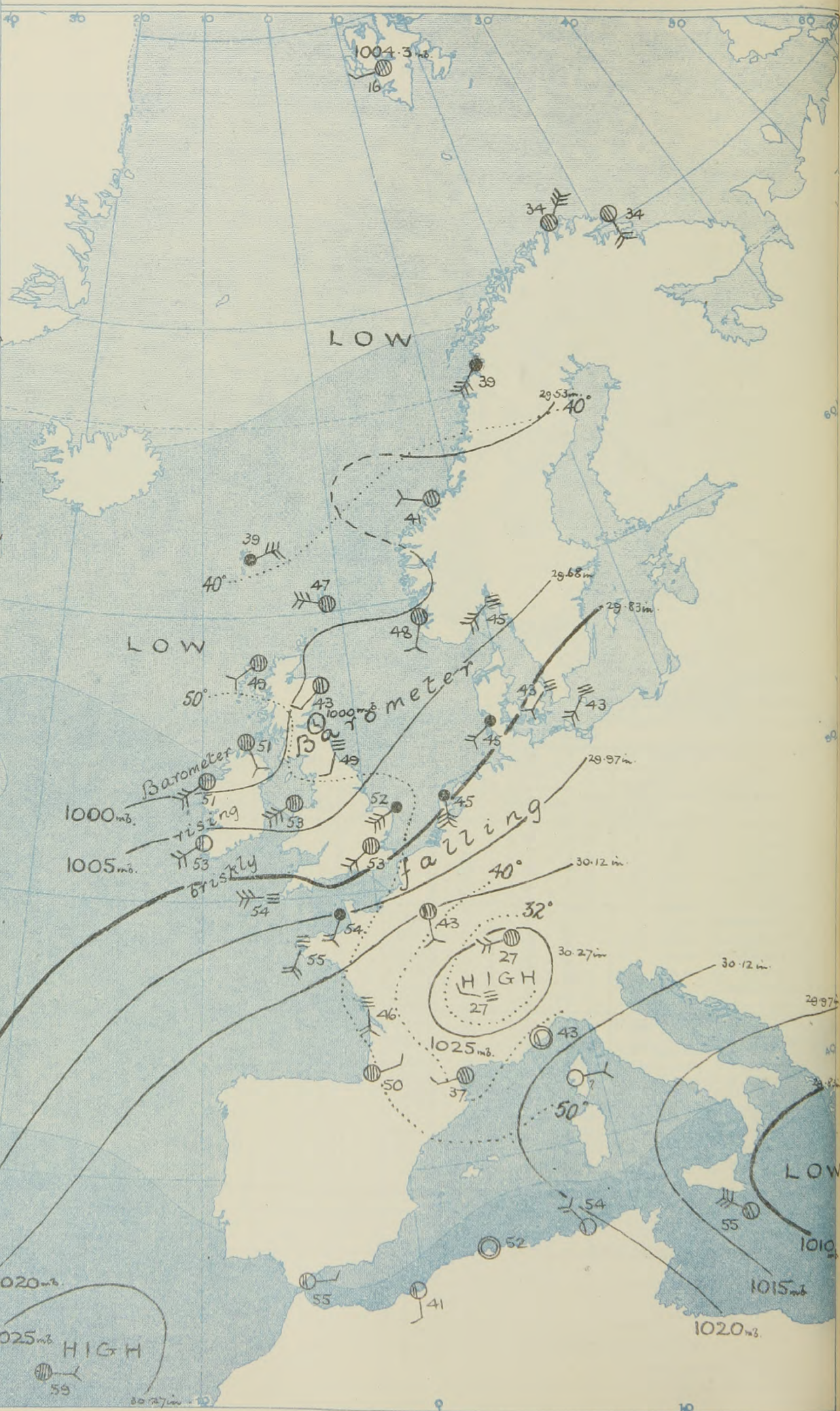
3<sup>RD</sup>, DEC, at 1h. G.M.T.

THE MORNING OF TUESDAY, 3<sup>RD</sup> DECEMBER 1918, at 7h. G.M.T.

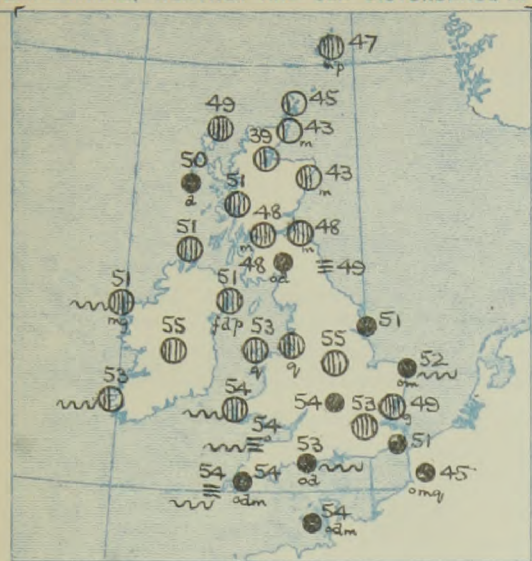


# EXPLANATION.

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







NOTES.

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

Temperature again rose to 50° or higher at almost all the British stations, to 55° at many places and to 57° in central Ireland. The minima for the night were also high, about 50° in London and many other parts of the Kingdom. Rain fell very generally, the largest amount being about 20mm at Liverpool and Holyhead. At most stations the day was sunless, but Yarmouth recorded 2.1 hours.

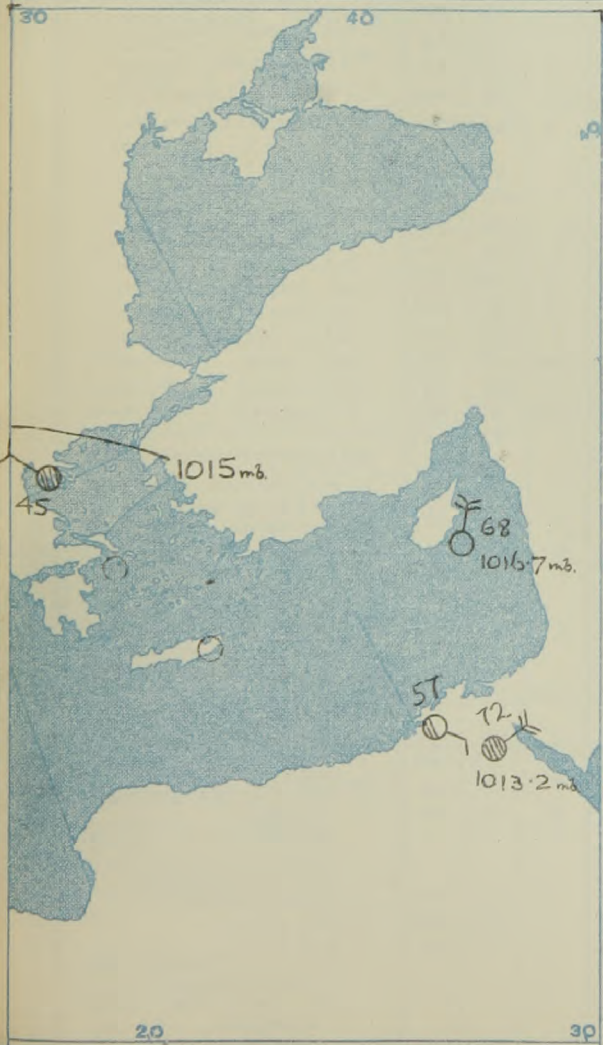
The Condition at 7h Today.

Depressions are shown to the northward and north-westward of the United Kingdom, and some slight irregularities in pressure are passing eastward directly over the British Isles. The barometer is rising briskly in the west of Ireland and slowly in the west generally, but in the East of England and over the North Sea region it is falling slightly. The SW wind current blows a fresh to strong breeze in most parts of England and Ireland, but in Scotland the wind is very light, with a more variable direction. Temperature continues high except in the east of Scotland. An overcast sky is reported over the greater part of the Kingdom, with rain at several stations, and mist or fog locally.

The Outlook.

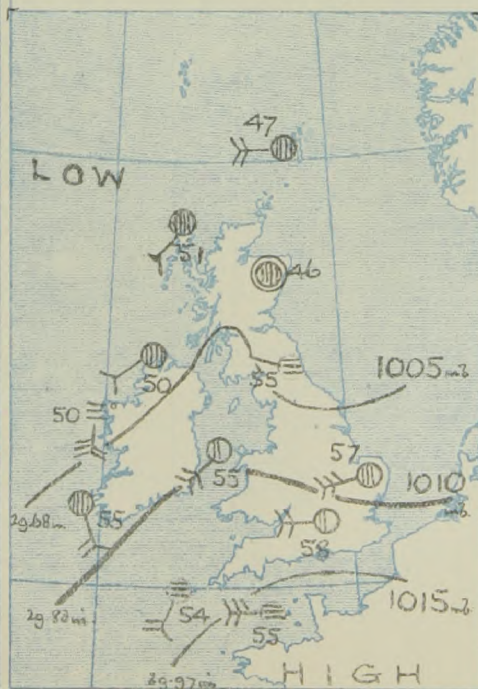
The pressure distribution has undergone no important modification, and it is probable that after a temporary rise of the barometer another depression will begin to spread over the United Kingdom from the westward or south-westward.

H.H.



TUESDAY, 3<sup>rd</sup>

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



A backing wind on the west coast of Ireland, with the barometer falling again at Valencia, indicates the approach of another depression.



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 337.

TUES. DAY.  
3rd DECEMBER

STATIONS.		EVENING OF 2nd					MORNING OF 3rd										24 HOURS ENDED 7 h 3rd					Sun- shine for	
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9	Rain- fall Milli- metres.	TEMP.		WEATHER.			2nd Hours.	
				Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	1001.5	47	SE	3	fe	998.4	*	47	+1	WNW	5	-	omp	3	8	48	44	fe	fe	omp	*	
	Deerness (Orkney) ...	1000.3	48	S	3	roe	999.6	0	45	-5	S	2	-	b	3	7	51	43	c, o, roe	or, b, b	0.4		
	Stornoway ...	999.3	52	S	5	og	998.7	+1	49	-2	SW	2	-	o	1	8	52	48	or	or, og	o, c, o	0.0	
	Castlebay (Barra Isd.) ...	1000.8	51	WSW	4	o	998.5	0	50	0	SSE	3	-	od	4	6	52	49	dro	od, o	o, b, d	0.0	
	Glasgow ...	1005.4	50	SW	3	omd	1000.4	-1	48	-4	E	1	SW	om	*	83	52	48	r	romp	om, p	0.0	
	Eskdalemuir ...	1007.2	47	SSW	4	om	1000.5	-2	48	0	SSE	3	-	od	*	16	48	41	om, om	om	om	0.0	
	Malin Head ...	1002.2	50	S	3	bc	997.7	+1	51	-1	SSE	2	-	ov	2	?	54	48	bc, q	bc, q	ov	0.3	
	Blacksod Point ...	1001.2	51	S	5	ogm	999.5	+10	51	0	SW	5	-	omg	5	6	54	49	omp	omg	off, fe	*	
	Valencia (Cabrilsveen) ...	1003.8	54	S	6	f	1006.6	+6	53	0	SW	4	-	bc	5	13	56	53	ord	omdr	ro, c, bc	0.0	
	Roche's Point ...	1004.7	53	SE	1	o	1003.3	*	55	-	SW	4	-	o	*	9	57	51	or, o	o	or, o	0.0	
	Birr Castle ...	1006.0	50	SW	4	ogm	997.3	+1	51	0	SSW	2	-	offd	2	9	52	48	omp, or	om, p, q	om, of	*	
	Donaghadee ...	1009.8	50	SSE	2	b	1002.2	0	55	+2	SW	5	W	og	3	21	56	49	bc, o	or	or, c	0.0	
	Holyhead ...	1007.9	52	SSW	5	ogr	1001.5	+1	53	+1	SW	6	-	oge	4	20	54	50	og, r	ogr	od, m, r	0.0	
	Pembroke (St. Ann's) ...	1011.6	?	SSW	5	r	1007.5	+4	54	+2	WSW	6	-	og	5	10	54	52	og, r	og, r	or, og, r	0.0	
	Hartland Quay ...	1013.4	53	SSW	6	om	1010.4	+4	54	0	SW	6	-	m	5	11	55	52	o	om, m, d, w	om, m	*	
	Scilly (St. Mary's) ...	1013.4	52	SSW	5	m	1011.7	+3	54	+2	W	5	-	f	6	7	54	52	c, o, p	om	or, f	0.0	
	Falmouth ...	1013.9	52	SSW	6	og, q	1012.4	+3	54	+2	SW	3	-	odm	*	15	55	51	mog	or, og, q	og, p, ro	0.0	
	Jersey (St. Aubin) ...	1019.3	52	SSW	3	oe	1015.0	-1	54	+4	SSW	3	-	odm	3	2	55	50	oem	oem, oe	or, oem	0.0	
	Portland Bill ...	1016.3	53	SW	5	c	1010.0	-4	53	+3	WSW	6	-	od	5	2	54	50	om	o, c	ord	*	
Dungeness ...	1017.8	52	SW	4	o	1011.4	-4	51	0	SW	5	-	r	4	3	52	50	c, o, c	c, o	or, or	*		
NORTHERN EUROPE.	Wick ...	1001.0	49	SSW	2	r	1000.4	+1	43	-6	SSW	1	-	bni	2	5	50	42	c, o	omr	or, b, b	*	
	Nairn ...	1000.8	52	WSW	2	eg	999.6	*	39	-11	-	0	-	bc	0	1	52	37	de	of, bc, q	c, bc, x	0.0	
	Aberdeen ...	1003.4	51	SSW	4	b	1001.0	0	43	-6	SW	1	-	em	2	2	53	43	bc, oem	of, bc, b	bc, bc, c	0.3	
	Leith ...	1004.6	52	SW	2	o	999.9	0	48	-6	NW	1	-	om	1	1	55	48	od, c, o	od, c, o	o, c, d, m	*	
	Tynemouth ...	1007.8	52	SW	3	om	1001.3	-2	49	-3	SSW	1	-	f	2	4	55	48	em	omp	omp	*	
	Spurn Head ...	1013.1	50	SSW	3	o	1003.7	-3	51	+2	SW	4	-	or	4	9	51	48	c	c, o	or	0.0	
	Yarmouth (Gorleston) ...	1015.9	51	SW	4	o	1008.5	-2	52	0	SW	6	-	omr	5	3	56	49	om, bc, c	c, om	omr	2.1	
	Clacton-on-Sea ...	1017.7	48	SSW	2	ogm	1009.9	-4	49	+1	SSW	4	-	og	3	4	49	47	ogm	ogm	og, d	0.0	
	Nottingham ...	1013.0	52	SW	3	br	1004.4	*	55	+5	SW	4	SW	og	*	10	55	49	o, c	c, or	r	0.7	
	Benson (Oxon.) ...	1015.3	51	SSW	3	o	1007.9	-2	54	+5	SW	4	-	r	*	0.4	54	49	o	o	od	*	
FRANCE, &c.	St. Farnborough ...	1016.7	52	SSW	4	odm	1009.8	-1	54	+3	SW	5	-	om	*	3	54	50	om, od	odm	or, om	0.0	
	Salisbury Plain ...	1016.2	51	SSW	3	o	1009.8	0	55	+5	SW	4	W	o	*	3	55	49	o, o, p	od, o, p	o, c, or	-x	
	London (Kew Obs.) ...	1016.3	53	SSW	3	o	1009.5	-1	53	+3	SW	4	-	o	*	3	54	51	o, o, m, c	o	o, o, d, o, r	0.0	
	Spitsbergen ...	1002.9	21	-	0	o	1004.3	+1	16	-	W	1	*	o	*	21	14	30					
	Vardö ...	992.7	32	-	0	o	995.4	+1	34	+2	g	4	*	e	3	*	34	30					
	Gjesvær ...	991.3	34	SE	3	o	997.9	*	34	0	NE	6	-	o	4	-	34	30					
	Bodö ...	997.0	39	W	6	c	999.0	+1	39	-4	SW	6	-	r	3	?	43	34					
	Christiansund ...	1004.0	43	W	3	r	1000.3	-2	41	0	WNW	2	-	c	3	13	43	39					
	Skudenes ...	1005.7	48	NNW	4	f	1000.4	0	48	0	SSW	2	-	o	4	12	48	46					
	Færder (K. Tania Fjord) ...	1006.7	45	SW	4	bc	1001.7	-3	45	-1	SW	5	-	f	3	3	46	45					
IBERIA, &c.	The Scau (Stagen) ...	1009.6	43	SW	2	b	1008.7	-3	45	0	SW	3	-	r	*	1	46	41					
	Blaavands Huk ...	1014.1	45	WSW	2	f	1012.0	-2	43	+6	SW	2	-	f	*	1	43	36					
	Copenhagen ...	1015.1	41	WSW	3	f	1012.0	-2	43	+6	SW	4	-	f	*	2	43	36					
	Bornholm ...	1015.1	39	SW	7	r	1013.1	-2	43	+6	SW	4	-	f	*	2	43	36					
	The Helder ...	1017.5	48	SSW	4	m	1009.2	-4	46	-2	S	6	-	r	3	4	50	45					
	C. Gris Nez ...	1018.4	48	S	4	m	?	-2	46	0	S	5	*	r	*	3	48	46					
	La Hève ...	1015.7	44	-	-	-	1015.7	-4	50	-	SW	5	*	o	*	2	50	46					
	Brest (St. Mathieu) ...	1019.3	54	S	4	o	1016.7	+1	55	+3	SSW	4	*	f	*	2	54	52					
	Rochefort (Ile d'Aix) ...	1023.0	45	S	1	b	1021.6	0	46	+7	S	3	*	f	*	Trace	45	39					
	Biarritz ...	1023.4	54	-	0	b	1023.5	0	50	-2	ENE	1	*	o	*	-	59	50					
MEDITERRANEAN.	Paris ...	1023.9	43	S	2	o	1020.3	0	41	+2	S	2	*	o	*	Trace	46	39					
	Belfort ...	1025.5	*	-	-	-	1025.5	*	27	-3	W	4	*	o	*	-	29	25					
	Lyons ...	1026.3	0	-	-	-	1026.3	0	27	-1	-	0	*	f	*	-	30	27					
	Nice ...	1020.8	0	-	-	-	1020.8	0	43	+2	-	0	*	b	*	-	54	39					
	Perpignan ...	1015.4	45	-	0	b	1021.3	+1	37	-2	W	1	*	c	*	-	52	36					
	Sanguinaire ...	1019.3	57	E	2	b	1018.7	+1	?	-	E	2	*	b	*	1	?	?					
	Corunna ...	1007.3	*	S	8	o	1006.8	-4	66	0	SSW	6	*	f	7	-	66	64					
	Madrid ...	1013.1	*	-	0	m	1026.3	+1	59	+2	E	2	*	N	0	2	-	66	57				
	Lisbon ...	1023.9	63	NE	2	o	1021.0	*	55	-3	E	1	*	bc	2	-	64	54					
	Azores (Horta) ...	1007.3	*	S	8	o	1006.8	-4	66	0	SSW	6	*	f	7	-	66	64					
„ (P. Delgada) ...	1013.1	*	-	0	m	1026.3	+1	59	+2	E	2	*	N	0	2	-	66	57					
Madeira ...	1023.9	63	NE	2	o	1021.0	*	55	-3	E	1	*	bc	2	-	64	54						
Gibraltar ...	1023.0	59	E	1	c	1021.0	*	55	-3	E	1	*	bc	2	-	64	54						
MEDITERRANEAN.	Algiers ...	1025.1	55	-	0	b	1022.7	+1	52	-	-	0	-	b	1	5	63	52					
	Malta ...	1010.9	*	-	-	-	1010.9	*	55	-	NW	6	-	c	6	?	55	46					
	Salonica ...	1016.0	41	N	3	r	1014.1	0	45														

## THE BEAUFORT SCALE OF WIND FORCE.

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

## BEAUFORT NOTATION.

b blue sky (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 just haze; the turbid atmosphere of dry weather.

\* Information for these columns not usually received.

+ Received too late for insertion in Charts

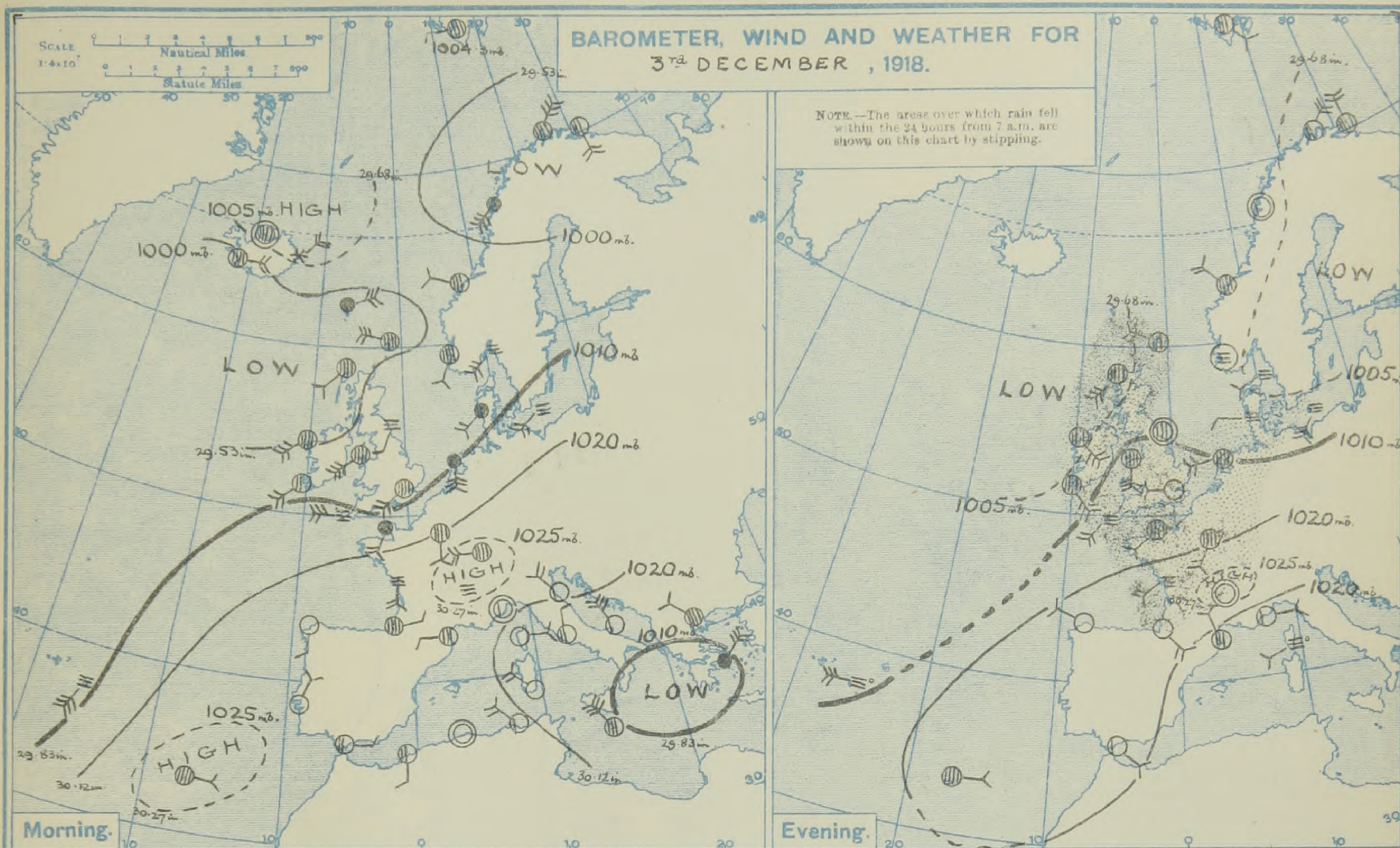
± The barometric change is expressed in half-millibars



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,831

WEDNESDAY, 4<sup>th</sup> DECEMBER, 1918.



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

STATIONS.		EVENING OF 2 <sup>nd</sup> .....					MORNING OF 3 <sup>rd</sup> .....										MORNING OF 3 <sup>rd</sup> .....						
		Barom. Milli- bars at M.S.L.	Temp.	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.	° F.						
RUSSIA.	Orlov ...	x	x	x	x	x							x	x	x								
	Kem ...	x	x	x	x	x							x	x	x								
	Archangel ...	x	x	x	x	x							x	x	x								
	Mesen... ..	x	x	x	x	x							x	x	x								
SWEDEN.	Haparanda ...	996.7	34	SW	4	b	x						x	x	x								
	Hernösand ...	1005.0	32	S	2	b	x						x	x	x								
	Stockholm ...	1006.6	37	SW	2	r	x						x	x	x								
	Wisby ...	1012.0	41	SW	4	o	x						x	x	x								
	Sordovals ...	1006.0	34	S	3	r	x						x	x	x								
	Hangö ...	1010.1	41	SSW	8	r	x						x	x	x								
ITALY.	Venice ...						x																
	Turin ...	1025.0	32	-	0	b	1024.1	x	28	+5	-	0	f	-	36	23							
	Pesaro ...	1022.6	41	N	2	c	1021.4	x	39	-6	NW	3	b	-	48	37							
	Leghorn ...	1020.5	45	-	0	b	1018.9	x	41	-2	-	0	b	-	50	39							
	Rome ...	1016.2	43	N	2	b	1016.2	x	37	-4	N	1	b	-	52	37							
	Viesti ...	1017.3	48	N	4	b	1015.7	x	46	0	NNW	5	b	-	50	39							
	Brindisi ...						x																
	Cagliari ...	1017.8	54	NW	3	b	1017.9	x	52	+2	NW	3	b	-	64	46							
	Palermo ...						x																
Tripoli ...						x																	

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> Dec. 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	7.46	11.43	3.40
Greenwich ...	...	7.47	11.44	3.40
Wick ...	...	7.50	11.51	3.52
Valencia ...	...	8.43	12.2	3.22
		8.45	12.3	3.21
		8.32	12.31	4.30
		8.33	12.32	4.30

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> Dec. 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...		7.46	11.43	3.40
Greenwich ...		7.47	11.44	3.40
Wick ...		7.50	11.51	3.52
Valencia ...		8.43	12.2	3.22
		8.45	12.3	3.21
		8.32	12.31	4.30
		8.33	12.32	4.30

LONDON	Humidity.		Sun-shine for 24 hours ended 6 h. 4 <sup>th</sup> .....	Temperature.			Rain-fall.	Weather.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
	3 <sup>rd</sup> .	4 <sup>th</sup> .		°F.	°F.	°F.				
GREENWICH (Royal Observatory)	83	93	0.8	54	48	37	1.0	b, o	b, o	o, ae
CITY (Bunhill Row) ..	x	x	0.3	x	x	x	x	x	x	x
WESTMINSTER (St. James's Park)	85	92	0.6	60	50	39	1.0	x	x	x
(Roof near Charing Cross) ..	83	94	0.7	60	53	x	Trace	om	omdg, bc	b, o, om
CAMDEN SQ. (British Rainfall) ..	82	93	0.6	59	49	43	-	b, bc	c	x
KENSINGTON PALACE ..	-	88	x	54	50	38	1.0	bc	bc	x

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

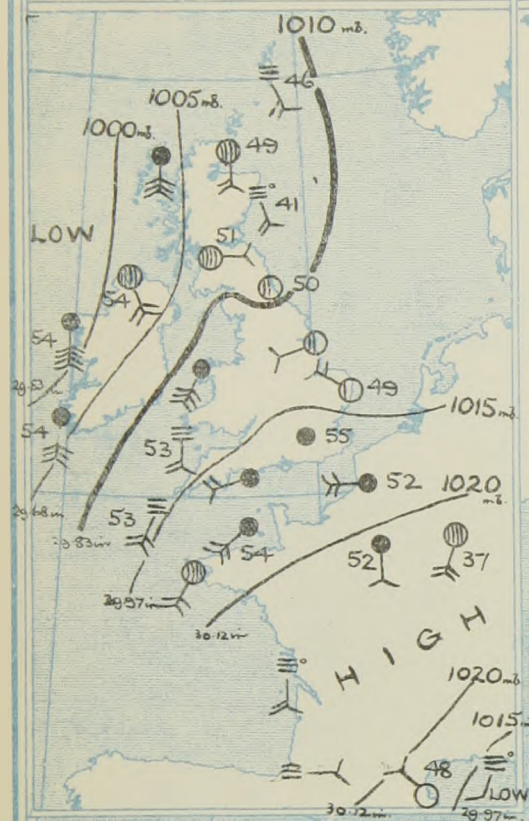
## SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 3 <sup>rd</sup> ...		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
167	5.7	21



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

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



# EXPLANATION.

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

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

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

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

Isotherms shown by dotted lines.

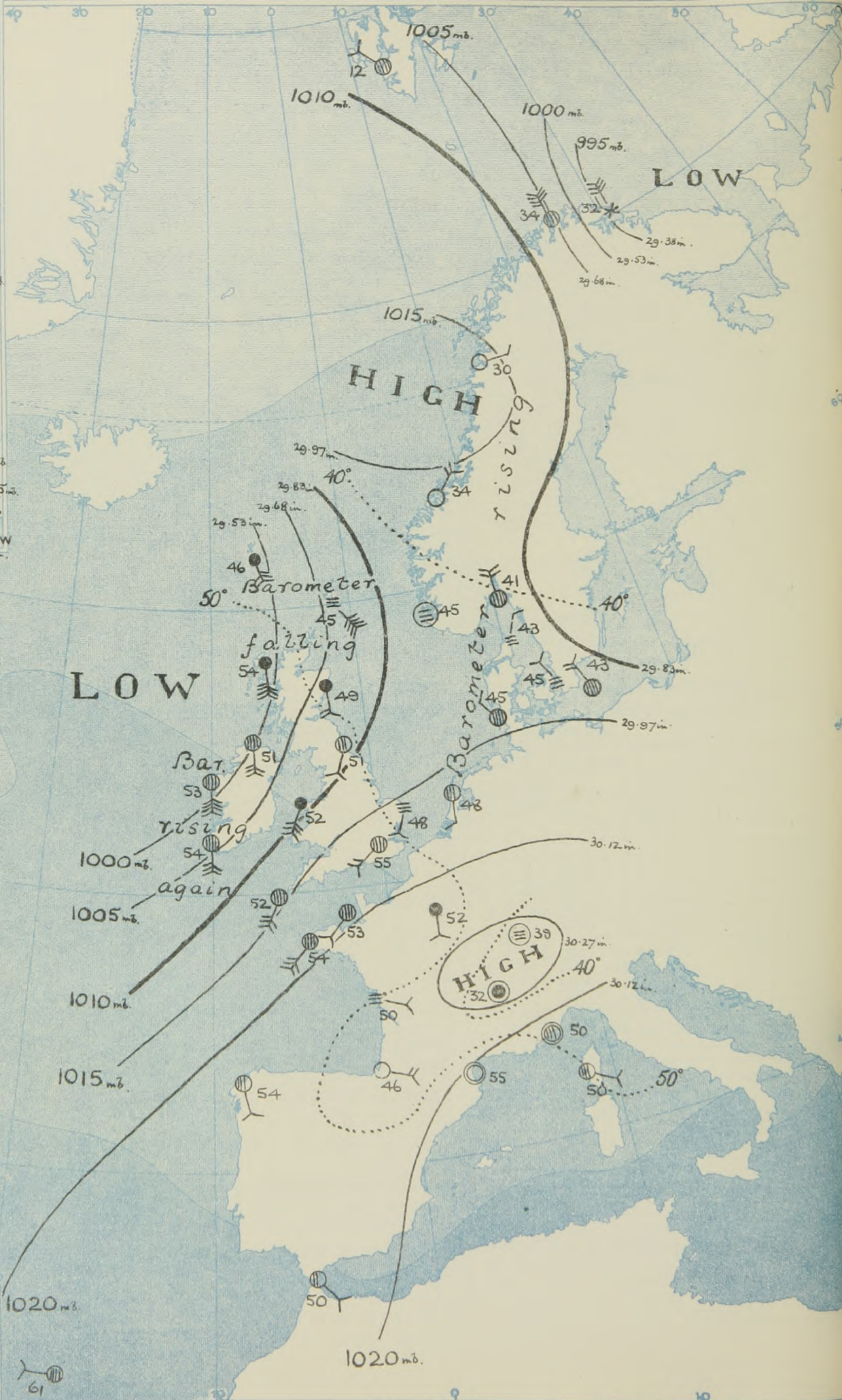
**WEATHER.**—Shown by the following symbols:—

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

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

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

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



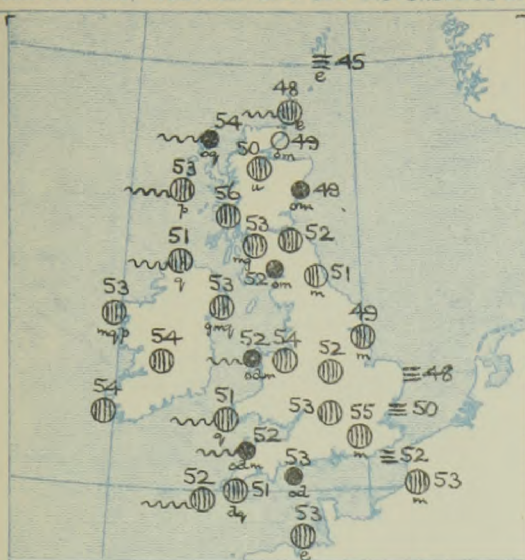
SCALE 1:250,000  
Nautical Miles  
Statute Miles

Normal Temperature of the Sea.

Below 40 40°-50° 50°-60° Above 60°

Scale of Tints for DECEMBER.





## NOTES.

LERWICK.  
SE, 8 @ 7h. (4th)

LOUGH FOYLE.  
SSW, 9 @ 6h. (4th)  
Gale from 5-7h.

BLACKSOD.  
S. 8, 2/1h. (3rd)  
6 7h. (4th).

ABERDEEN  
Aurora during  
night.

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

The maximum temperature readings were above  $55^{\circ}$  in many parts of the Kingdom -  $58^{\circ}$  at some stations in central and southern England, and as high as  $59^{\circ}$  at South Farnborough. The night minima were again high. Rain fell very generally, but mostly in small amounts. As a whole there was little or no bright sunshine, but in London (Kew Observatory) the record was 1.3h, and at Liverpool 2.4 hrs.

## The Conditions at 7h Today.

Another depression has arrived off the NW of the United Kingdom and the wind has increased in force from the Southward over our Western and Northern districts. The barometer continues highest in central Europe and eastern France, but it has become relatively high over the NW of Norway. The sky is overcast very generally, with rain over a large area in the West and North, and mist in many places. Fog is reported on the SE coast of England, and also at Lerwick and Skudesnaes. Temperature continues high and uniform.

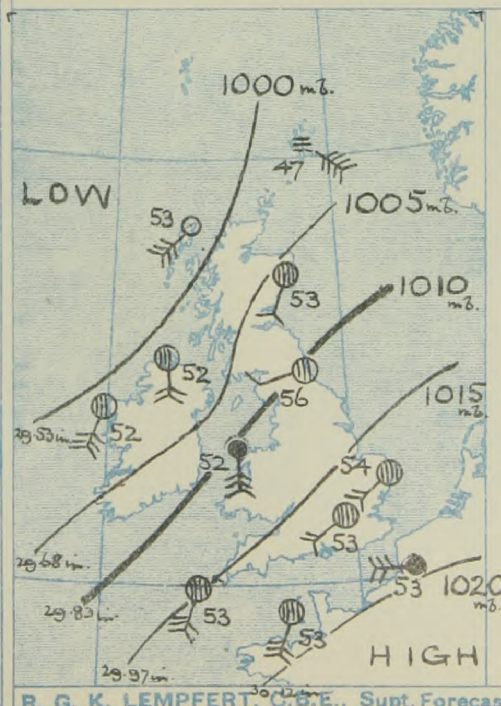
## The Outlook.

The pressure distribution seems likely to be favourable for the Northerly movement of depression centres outside our western seaboard.

R.S.

WEDNESDAY, 4th

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



Little barometric change has occurred since 7h. A small secondary depression has appeared over the north of Ireland



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 338.

WEDNESDAY  
14th DECEMBER.

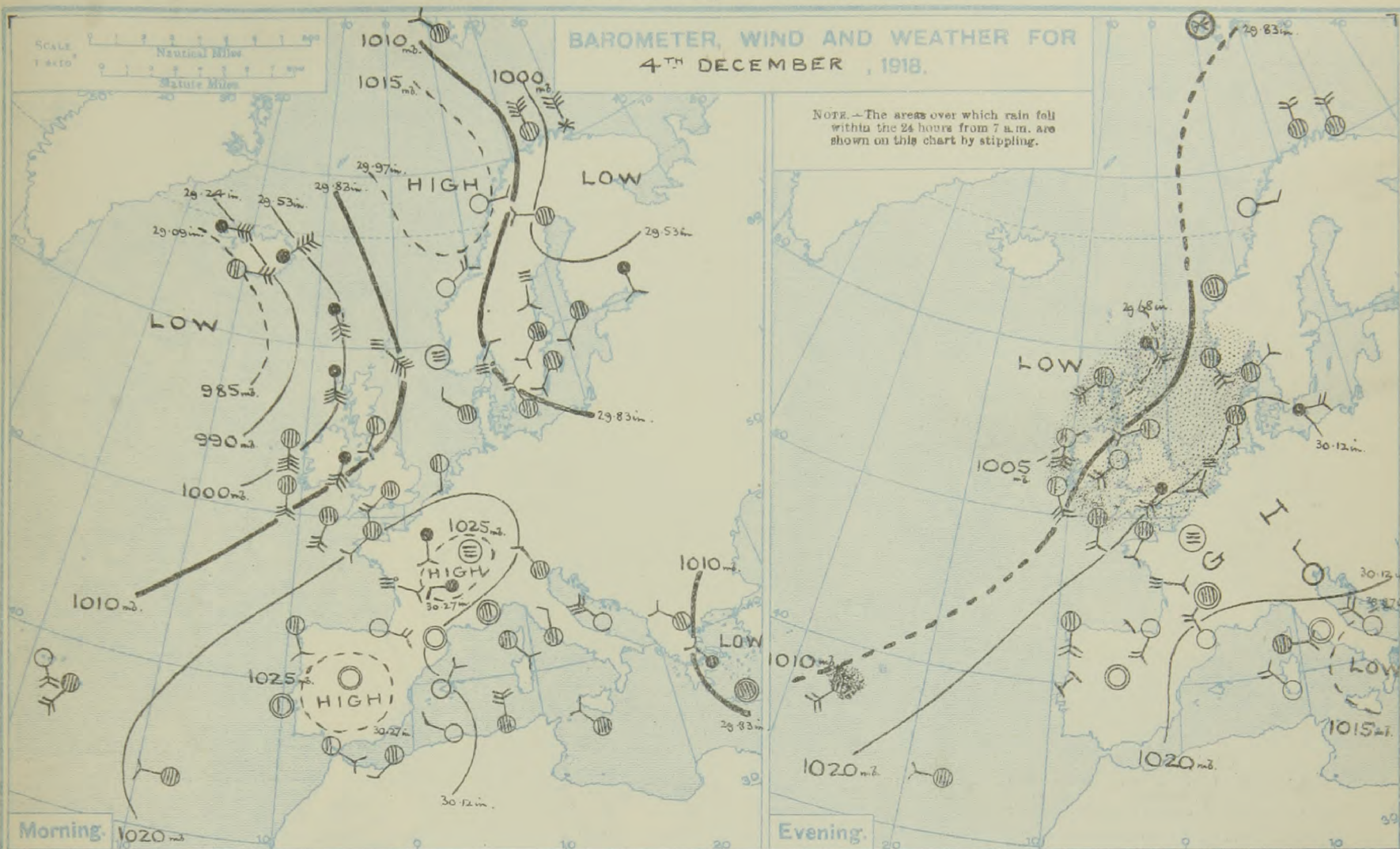
STATIONS.	EVENING OF 3rd					MORNING OF 4th										24 HOURS ENDED 7th					Sun- shine for 3rd Hours.	
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	WIND.	Dir. of Upper Cloud.	Weather.	Sea 0-9	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Dir.	Force 0-12											Max.	Min.	Morning	Afternoon	Night.			
BRITISH ISLANDS.	Lerwick	1005.6	46	WNW	4	cm	1005.7	-5	45	-2	SE	8	-	fe	4	0.3	48	43	om	om	om	*
	Deerness (Orkney)	1005.4	47	SE	2	b	1005.7	*	45	-2	SE	5	-	fe	5	4	48	45	o, bc	bc, b	b, bc, o	0.8
	Stornoway	1005.9	51	SW	5	o	997.2	-4	54	+5	S	7	-	o	6	5	54	47	o	o	o	0.0
	Castlebay (Barra Isd.)	1004.8	50	SE	3	o	998.4	-1	53	+3	SE	5	-	o	5	5	54	50	do	o	o	0.0
	Glasgow	1009.3	50	W	1	o	1006.2	-3	53	+5	S	3	-	o	4	53	48	om	om, o	o, bc	0.0	
	Eskdalemuir	1009.2	48	SE	1	o	1009.9	-2	52	+4	SSW	5	-	o	6	52	47	o, o, m	om, o, b	o, o, m	0.0	
	Malin Head	1005.3	50	S	3	cm	998.1	-4	51	0	S	5	-	o	5	54	50	o	cm	o	0.0	
	Blacksod Point	1002.2	52	SE	5	om	997.9	+3	53	+2	S	8	-	o	7	8	56	48	o	cm	om	0.0
	Valencia (Cahirveen)	1005.3	55	SSE	5	o	1002.1	+2	54	+1	S	5	-	o	8	8	56	51	o	cm	om	0.2
	Roche's Point	1007.4	54	SE	2	c	1004.6	*	54	-1	S	3	-	o	*	*	56	52	o, c	c	c, o	0.8
	Birr Castle	1007.1	50	SW	2	o	1005.5	-1	53	+2	S	4	-	o	3	1	54	49	o, bc	bc, o	o, bc	*
	Donaghadee	1007.1	50	SW	2	o	1005.5	-1	53	+2	S	4	-	o	3	1	54	49	o, bc	bc, o	o, bc	*
	Liverpool (Bidston)	1011.7	50	S	1	o	1011.3	0	54	-1	SE	2	-	o	2	-	56	47	o	o	o	2.4
	Holyhead	1010.7	51	S	5	om	1009.4	0	52	-1	SSW	6	-	o	1	55	50	o, bc	bc, c, f, o	o, bc, o	1.0	
	Pembroke (St. Ann's)	1013.4	52	SSE	3	o	1013.2	0	51	-3	SSW	5	-	o	5	0.3	54	51	o, c	o	o	0.2
	Hartland Quay	1014.4	56	S	3	o	1015.0	0	52	-2	SSW	6	-	o	5	2	56	52	o, o, f	o, o, f	o, o, f	*
NORTHERN EUROPE.	Scilly (St. Mary's)	1014.0	54	SW	4	f	1014.1	-1	52	-2	SSW	5	-	o	5	2	55	51	o	o	o	0.0
	Falmouth	1014.6	55	WSW	6	o	1015.6	0	51	-3	SSW	5	-	o	3	3	56	50	o, o, m	o, m, o	o, m, o	0.0
	Jersey (St. Aubin)	1015.1	54	WSW	3	o	1016.4	0	53	0	SW	5	-	o	4	1	54	52	o	o	o	0.0
	Portland Bill	1014.5	52	WSW	4	o	1017.1	+1	52	+1	WSW	3	-	o	3	1	53	50	o	o	o	*
	Dungeness	1014.5	52	WSW	4	o	1017.1	+1	52	+1	WSW	3	-	o	3	1	53	50	o	o	o	*
	Wick	1005.1	45	S	2	bc	1002.1	-4	49	+6	S	4	-	o	3	1	49	42	bc	bc, o	bc, o	*
	Nairn	1006.0	48	WSW	2	cm	1001.6	*	50	+11	~	0	-	o	0	1	50	38	bc	bc, o	bc, o	0.3
	Aberdeen	1007.2	42	~	0	bc	1006.9	-1	49	+6	S	3	-	o	2	9	49	38	om, om	om, bc	om, bc	0.1
	Leith	1008.6	52	W	1	o	1006.0	-1	54	+6	W	2	-	o	2	3	55	47	om, o	om, o	o, c, o	*
	Tynemouth	1007.9	54	~	0	cm	1009.2	-1	51	+2	SSW	2	-	o	2	-	55	49	o	o	o	*
	Spurn Head	1011.0	50	W	4	o	1013.7	0	44	-2	WSW	3	-	o	3	1	55	45	o	o	o	0.0
	Yarmouth (Gorleston)	1011.4	55	W	3	o	1015.3	0	48	-4	SSW	2	-	o	2	0.3	58	45	om, o	om, o	om, o	0.0
	Clacton-on-Sea	1013.4	51	W	3	bc	1016.4	0	50	+1	SW	2	-	o	1	1	56	45	o, o, c	o, bc, bc	o, bc, bc	0.7
	Nottingham	1012.6	49	W	1	b	1014.2	*	52	-3	W	1	-	o	*	*	58	44	o	o	o	0.1
	Benson (Oxon.)	1013.8	50	WSW	1	bc	1015.5	53	-1	SSW	3	-	o	0.3	57	47	o	bc	bc, o	bc, o	*	
	St. Farnborough	1014.4	51	W	2	bc	1016.9	+1	54	0	SSW	3	-	o	0.4	59	48	o, o, c	o, o, bc	o, o, bc	0.7	
Salisbury Plain	1015.0	52	~	0	b	1016.5	+1	53	-2	SW	3	-	o	0.3	57	51	o, c, o	o, c, bc	o, o, bc	*		
London (Kew Obs.)	1014.1	53	W	2	b	1016.7	+3	55	+2	SW	3	-	o	1	58	48	o, c, bc	bc, o, bc	bc, o, bc	1.3		
FRANCE, &c.	Spitsbergen	1004.0	12	SE	2	c	1008.3	+1	12	-4	NW	2	-	o	7	16	9	o	o	o	*	
	Vardø	1001.6	34	N	4	o	994.4	+3	32	-2	N	6	-	o	3	*	34	30	o	o	o	*
	Gjesvær	1004.6	32	NE	4	bc	1009.7	*	34	0	N	7	-	o	4	4	34	32	o	o	o	*
	Bodø	1007.5	36	~	0	b	1015.4	+3	30	-9	E	1	-	o	1	-	39	28	o	o	o	*
	Christiansund	1005.5	39	NW	3	o	1013.0	+3	34	-7	NE	3	-	o	3	-	41	34	o	o	o	*
	Skudesnaes	1006.1	46	~	0	f	1012.3	+1	45	-3	~	0	-	o	3	Trace	48	43	o	o	o	*
	Færder (Xjanna Fjord)	1003.3	43	W	2	bc	1011.9	+4	41	-4	N	4	-	o	2	-	45	39	o	o	o	*
	The Scaw (Skagen)	1004.0	39	SW	2	f	1010.7	+5	43	~	NNE	1	-	o	1	-	48	39	o	o	o	*
	Blaavands Huk	1006.3	45	W	1	f	1014.9	+4	45	0	NW	1	-	o	2	2	46	43	o	o	o	*
	Copenhagen	1007.1	45	W	3	m	1012.2	+3	45	+2	NNW	2	-	o	4	4	45	43	o	o	o	*
	Bornholm	1007.8	43	SW	5	f	1011.0	+4	43	0	NNW	3	-	o	1	6	45	41	o	o	o	*
	The Helder	1010.0	50	WSW	3	o	1016.6	+1	48	+2	S	1	-	o	2	3	50	46	o	o	o	*
	C. Gris Nez	1015.0	52	WSW	6	o	1019.7	0	52	+6	SW	5	-	o	2	2	54	50	o	o	o	*
	La Hève	1014.8	50	SW	4	o	1020.6	+1	54	+4	SSW	2	-	o	2	Trace	55	52	o	o	o	*
	Brest (St. Mathieu)	1014.1	54	SSW	4	f	1019.3	0	54	-1	SW	5	-	o	2	Trace	54	45	o	o	o	*
	Roche fort (le d'Aix)	1022.6	54	SW	3	m	1022.7	-1	50	+4	ESE	2	-	o	2	2	54	45	o	o	o	*
IBERIA, &c.	Biarritz	1022.4	54	ESE	3	b	1021.6	-1	46	-4	ESE	3	-	o	4	61	45	o	o	o	*	
	Paris	1019.3	50	SSW	3	o	1021.2	+1	52	+11	S	2	-	o	2	2	52	41	o	o	o	*
	Belfort	1025.5	*	*	*	*	1025.5	*	39	+12	~	0	-	o	1	39	27	o	o	o	*	
	Lyons	1025.1	34	WSW	1	b	1025.3	+1	32	+5	W	1	-	o	2	Trace	41	27	o	o	o	*
	Nice	1019.5	45	E	2	b	1017.0	-1	50	+7	~	0	-	o	2	52	43	o	o	o	*	
	Perpignan	1016.7	59	NNW	2	c	1019.8	0	55	+18	~	0	-	o	2	54	46	o	o	o	*	
	Sanguinaitre	1018.3	52	WSW	2	m	1016.0	-5	50	~	SE	2	-	o	2	54	46	o	o	o	*	
	Corunna	1021.7	55	WNW	2	b	1022.3	+2	54	~	SSE	2	-	o	2	-	57	46	o	o	o	*
	Madrid	1021.9	63	E	2	o	1023.5	-1	61	+2	W	2	-	o	2	-	63	59	o	o	o	*
	Lisbon	1022.3	54	SE	2	b	1023.7	*	50	-5	SE	2	-	o	2	-	64	48	o	o	o	*
	Azores (Horta)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	" (P. Delgada)	1009.1	*	W	5	m	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Madeira	1021.9	63	E	2	o	1023.5	-1	61	+2	W	2</										



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,832

THURSDAY, 5<sup>th</sup> DECEMBER, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 4<sup>th</sup> DECEMBER.

STATIONS.		EVENING OF 3rd					MORNING OF 4th										MORNING OF 4th						
		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 8 hours.	Dry Bulb. ° F.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours.	Direc.		Force 0-12.
RUSSIA.	Orlov ...	*	* F.	*	*	*									* F.	* F.							
	Kem ...	*	*	*	*	*									*	*							
	Archangel ...	*	*	*	*	*									*	*							
	Mesen ...	*	*	*	*	*									*	*							
SWEDEN.	Haparanda ...	1016.6	39	N	2	o	995.9	*	30	-	W	2	o	*	*	*							
	Hernösand ...	1003.4	34	-	0	bc	1002.0	*	34	-	S	2	f	*	*	*							
	Stockholm ...	1001.5	45	SW	4	r	1004.7	*	41	-	SW	2	o	*	*	*							
	Wisby ...	1004.7	45	SSE	4	o	1009.7	*	43	-	SW	2	o	*	*	*							
	Sordovalä ...						1003.9	*	36	-	S	2	r	*	*	*							
	Hangö ...						1007.4	*	43	-	SW	2	o	*	*	*							
ITALY.	Venice ...	1020.3	37	N	1	c	1017.7	*	32	-	NNW	1	o	-	46	32							
	Turin ...	1023.1	36	-	0	b	1019.3	*	32	+4	S	3	o	-	37	30							
	Pesaro ...							*															
	Leghorn ...	1017.8	48	-	0	b	1015.9	*	41	0	-	0	b	-	54	39							
	Rome ...	1015.4	45	N	1	b	1015.0	*	36	-1	N	1	c	-	54	36							
	Viesti ...	1014.9	48	NW	6	b	1013.3	*	50	+4	NW	5	b	-	52	43							
	Brindisi ...							*															
	Cagliari ...							*															
	Palermo ...							*															
	Tripoli ...							*															
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																							
5th and 6th Dec. 1918.		Sunrise.		Noon.		Sunset.																	
		G.M.T.		G.M.T.		G.M.T.																	
Yarmouth ...		7.47		11.44		3.40																	
Greenwich ...		7.49		11.44		3.39																	
		7.50		11.51		3.52																	
		7.51		11.51		3.51																	
Wick ...		8.45		12.3		3.21																	
		8.47		12.3		3.20																	
Valencia ...		8.33		12.32		4.30																	
		8.35		12.32		4.28																	

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

Station	5 <sup>th</sup> and 6 <sup>th</sup> Dec. 1918.	Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...		7.47	11.44	3.40
Greenwich ...		7.49	11.44	3.39
Wick ...		7.51	11.51	3.52
Valencia ...		8.45	12.3	3.21
		8.47	12.3	3.20
		8.33	12.32	4.30
		8.35	12.32	4.29

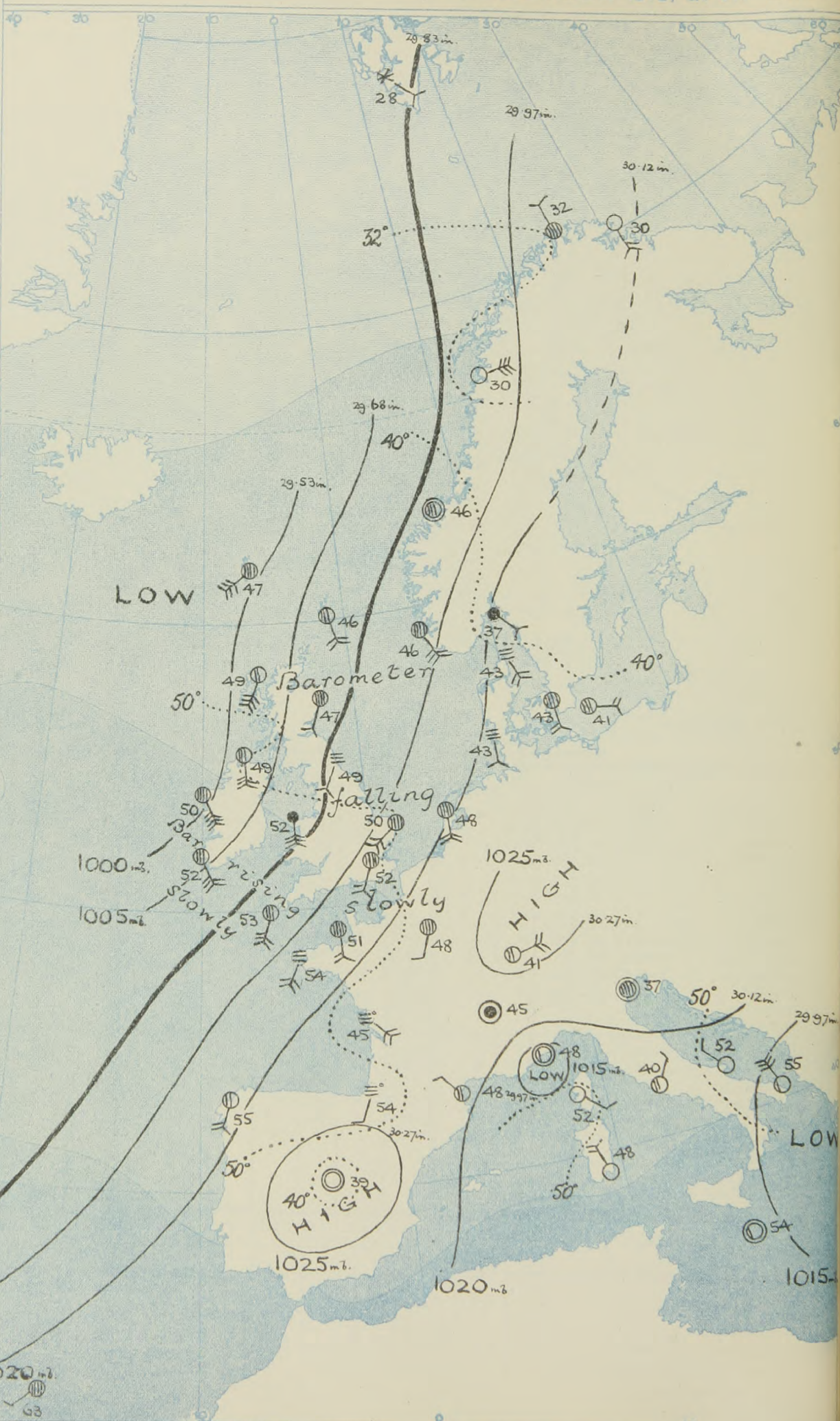
LONDON		HUMIDITY.		Sun-shine for		24 HOURS ENDED 9 h. 5 <sup>th</sup>				WEATHER.		
5 <sup>th</sup> December 9h. G.M.T.		15 h.	9 h.	4 h.	4 h.	Max.	Min.	Min. on Grass	Rain-fall.	Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)		94	88	0.0	55	50	47	1.0	0	0	od	
CITY (Bunhill Row)		*	*	0.0	*	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)		80	89	0.0	56	52	47	Trace	*	*	*	*
(Roof near Charing Cross)		81	92	0.0	56	52	*	-	omdy, o	og	o, do	
CAMDEN SQ. (British Rainfall)		79	85	0.0	55	51	46	Trace	0	0	0	*
KENSINGTON PALACE		-	88	*	55	52	47	-	oe	0	*	*

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

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 4 <sup>th</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
63	2.2	9



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






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

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

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

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

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

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

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

SEA DISTURBANCE.—Rough  High .

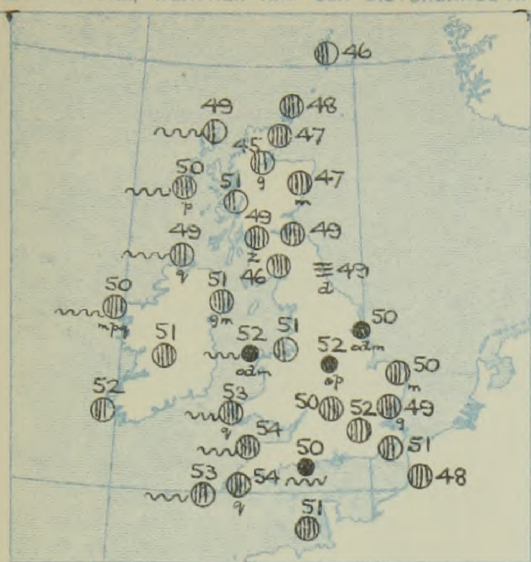
SCALE 1 : 2 x 10<sup>6</sup>  
Nautical Miles  
Statute Miles.

### Normal Temperature of the Sea

Below 40° 40°-50° 50°-60° Above 60°

Scale of Tints for DECEMBER.





NOTES.

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

Temperature continued high. At all the British stations except Lerwick it rose to above 50°, at many places to 55° or higher, and at Leith and Nairn to 58°. Rain fell in most localities, but except in the southwest of England the quantity was slight. Over large areas there was no bright sunshine but Valencia recorded 2.5hrs, Nottingham 2.3hrs, Nairn 2.8hrs, and Spurn Head 3.1hrs.

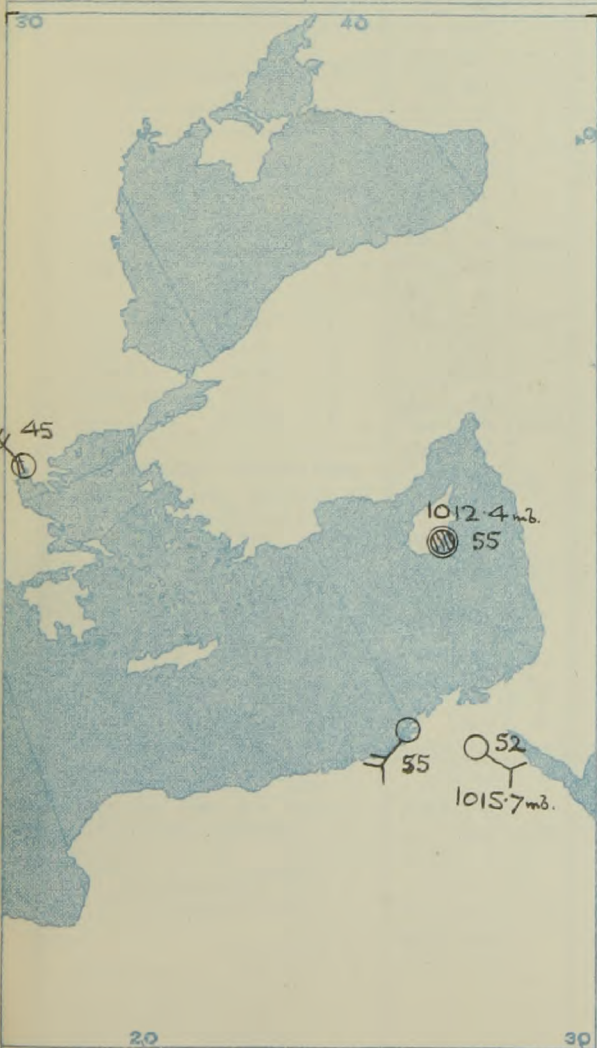
The Condition at 7h Today.

Pressure remains lowest to the Westward and north-westward of the British Isles, but is highest in a large area extending from the Spanish Peninsula to Sweden. The changes in progress are slight. The barometer is at present rising in the southwest of the United Kingdom, and falling in the north and east. Temperature has fallen a little in many localities, but is still high for the time of year. The sky is very cloudy or overcast over this country and north-western Europe generally, with rain in various parts of England, mist at many stations, and fog at Tynemouth and on the coast of Jutland.

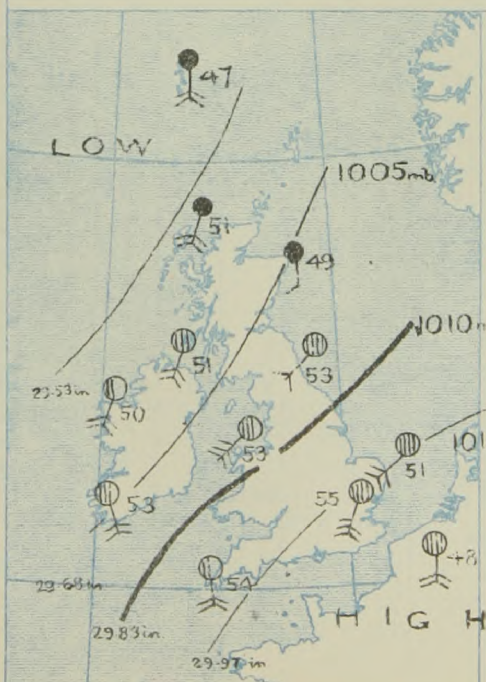
The Outlook.

There are no indications of any important change in the conditions now prevailing.

H.H.



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



Pressure has risen a little in the west, fallen slightly in the east and north, but the winds in the west indicate no change in the pressure distribution.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No.339.

THURSDAY.  
5th DECEMBER.

STATIONS.	EVENING OF 4th					MORNING OF 5th										24 HOURS ENDED 7 h. 5th					Sun- shine for 4h.	
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 8 hours.	Dry Bulb. °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 ...	1002.9	48	SE	5	fr	1008.2	-1	46	+1	SSE	4	SE	c	4	5	49	43	fe	fe	c	*
	Deerness (Orkney) ...	1002.7	52	SW	4	o	1006.1	*	48	0	SE	3	-	o	3	52	45	oe, c	c, o	o	0.0	
	Stornoway ...	1002.3	51	SW	5	cg	1002.5	-1	49	-5	SSW	6	-	bc	5	55	48	odg	odg	bc	0.0	
	Castlebay (Barra Isd.) ...	1004.0	51	SW	5	bc	1002.8	0	50	-3	SE	5	-	op	5	0.3	53	49	op, cm	cm, bc	amp	0.1
	Glasgow ...	1009.2	52	SSW	3	o	1007.7	-4	49	-4	S	2	-	og	*	54	46	omdp	odp	og, bc, og	0.0	
	Eskdalemuir ...	1010.6	49	SW	5	o	1008.8	-4	46	-6	S	3	-	og	*	52	45	odm	odm, o	o	0.0	
	Malin Head ...	1006.0	49	SSW	4	bc	1001.5	-2	49	-2	S	5	S	cg	5	56	46	cg	cg	cg	1.0	
	Blacksod Point ...	1004.2	56	S	6	cmg	998.3	-3	50	-3	SSE	7	-	cmg	6	0.4	53	48	cmg	cmg	cm, opg	*
	Valencia (Cahirciveen) ...	1008.8	51	SSE	5	bc	1003.4	+3	52	-2	SSE	5	-	c	6	54	49	og, bc	bc, o, bc	c	2.5	
	Roche's Point ...	1010.3	48	S	1	c	1002.7	*	51	-3	S	1	-	o	*	56	46	o	o, c	cp, o	0.0	
	Birr Castle ...	1008.3	50	SW	4	cmg	1005.8	-5	51	-2	S	4	-	ogm	3	53	46	ogm	ogm, pd, bz, ogm	ogm	*	
	Liverpool (Bidston) ...	1014.3	55	WSW	4	o	1009.1	-2	51	-3	SSE	4	W	bc	3	56	48	c, o	c, o	bc, o	0.3	
	Holyhead ...	1012.9	52	SW	4	b	1006.8	-4	52	0	S	6	-	odm	5	53	47	odgm	dm, f, b	bc, o, d	0.0	
	Pembroke (St. Ann's) ...	1014.5	52	SSW	4	o	1010.1	-1	53	+2	SW	6	-	og	5	53	51	oe	oe	af, o, r	0.0	
	Hartland Quay ...	1017.2	54	S	4	m	1012.5	0	54	+2	SSW	6	-	o	5	55	52	dg, d, f	dg, dm	dm, og	*	
	Scilly (St. Mary's) ...	1016.2	52	S	3	ome	1012.1	0	53	+1	SSW	5	S	c	5	53	52	omd	ome	fom, c	0.0	
	Falmouth ...	1017.1	53	SSW	5	cmg	1013.5	+1	54	+3	SSW	5	-	og	*	54	51	odm, g	odm, g	og, og	0.0	
	Jersey (St. Aubin) ...	1021.1	51	SSW	2	o	1018.7	-1	51	-2	S	3	-	o	3	Trace	54	49	oe, o	o	o	0.0
	Portland Bill ...	1018.3	50	SW	4	od	1015.4	-3	50	-3	SSW	5	-	or	5	54	49	o, c	od	cr	*	
	Dungeness ...	1020.0	52	WSW	4	c	1018.1	-1	51	-1	SW	4	SW	c	3	0.1	53	50	fd, c	c	c, c	*
	NORTHERN EUROPE.	Wick ...	1003.1	52	SW	3	omg	1006.0	-3	47	-2	S	3	-	o	3	54	46	or, omg	omg	bc, omg	*
Nairn ...		1004.0	51	-	0	bc	1005.4	*	45	-5	-	0	-	cg	1	0.4	58	39	uo, bc	bc, f	bc, f	2.8
Aberdeen ...		1006.9	52	S	2	om	1009.0	-1	47	-2	SSW	2	-	om	2	0.1	54	45	op, cm	om	om, km	0.6
Leith ...		1008.1	55	SW	3	c	1008.2	-1	49	-5	SW	1	-	o	2	-	58	45	cg, c	c, oe, c	c, bc, o	*
Tynemouth ...		1011.1	55	WSW	2	bc	1010.4	-3	49	-2	SSW	2	-	fd	2	-	56	47	cm	cm	cm, f	*
Spurn Head ...		1015.1	51	SSW	4	bc	1013.9	-3	50	+1	SSW	4	-	odm	3	2	56	46	c	c	or	3.1
Yarmouth (Gorleston) ...		1016.9	50	SW	3	b	1017.1	-3	50	+2	SW	4	-	om	3	-	55	47	af	af, b	bm, om	0.0
Clacton-on-Sea ...		1019.2	50	WSW	3	og	1017.7	-2	49	-1	S	3	-	og	2	-	52	47	afgm	ogm	og, bc, o	0.0
Nottingham ...		1016.0	53	SW	3	o	1013.1	*	52	0	S	3	S	op	*	3	57	51	o, c	bc, c	c, b	2.3
Benson (Oxon.) ...		1018.1	52	SW	3	o	1015.1	-4	50	-3	SSW	4	-	o	*	0.3	54	50	o	o	od, o	*
FRANCE, &c.	Sth Farnborough ...	1019.0	52	SSW	2	o	1016.5	-3	50	-4	S	5	-	o	*	0.1	54	50	od, od	o	o	0.0
	Salisbury Plain ...	1019.0	52	SSW	2	o	1016.5	-3	50	-4	S	5	-	o	*	0.3	53	50	od, od	o	o	0.0
	London (Kew Obsy.) ...	1019.2	53	SW	4	od	1016.8	-3	52	-3	SSW	3	-	o	*	Trace	55	52	om, o	o, od	od, o	0.0
	Spitsbergen ...	1008.6	14	-	0	S	1009.5	0	28	+16	SE	2	*	S	*	28	10					
	Vardö ...	1014.7	32	N	4	o	1019.1	+1	30	-2	S	3	-	b	3	*	34	30				
	Gjesvær ...	1017.3	30	N	4	o	1017.9	-X	32	-2	N	2	-	o	4	1	34	30				
	Bodö ...	1019.7	27	E	1	b	1012.8	-3	30	0	E	6	-	b	2	-	30	27				
	Christiansund ...	1011.9	37	-	0	c	1010.3	+3	46	+12	-	0	-	c	2	-	46	34				
	Skudesnaes ...	1013.5	46	SSE	5	o	1014.3	-3	46	+1	SSE	5	-	o	4	1	46	45				
	Færder (X'aniafjord) ...	1021.0	41	E	3	o	1021.9	-1	37	-4	SE	2	-	r	2	5	41	37				
IBERIA, &c.	The Scav (Skagen) ...	1018.1	43	NE	2	o	1020.4	0	43	0	SSE	4	-	f	4	-	45	41				
	Blavands Huk ...	1020.6	43	S	1	o	1020.4	0	43	-2	S	2	-	f	2	-	46	39				
	Copenhagen ...	1019.4	43	-	0	o	1023.5	+1	43	-2	S	3	-	f	*	-	45	39				
	Bornholm ...	1018.0	43	E	3	r	1024.3	+1	41	-2	ESE	3	-	c	0	Trace	45	39				
	The Helder ...	1018.3	50	SSW	2	f	1019.3	0	48	0	S	4	-	o	2	Trace	50	46				
	C. Gris Nez ...	1020.7	52	WSW	5	o	1019.1	-2	50	-2	SSW	4	*	o	*	-	52	48				
	La Hève ...	1019.7	50	SW	3	o	1021.1	0	48	-6	S	4	*	o	*	Trace	54	45				
	Brest (St. Mathieu) ...	1020.0	54	SSW	4	f	1017.7	+1	54	0	SSW	4	*	f	*	2	55	52				
	Rochefort (le d'Aix) ...	1022.7	48	E	2	f	1021.0	0	45	-5	SE	4	*	m	*	-	54	45				
	Biarritz ...	1022.3	55	SSW	3	b	1021.2	0	54	+8	SSW	1	*	m	*	-	64	46				
MEDITERRANEAN.	Paris ...	1023.1	52	WNW	1	o	1023.4	+1	48	-4	SSW	1	*	o	*	Trace	55	48				
	Belfort ...	1025.3	*	-	0	o	1025.3	*	41	+2	ENE	4	*	bc	*	-	48	39				
	Lyons ...	1023.9	45	-	0	o	1024.0	+1	45	+13	-	0	*	r	*	Trace	48	32				
	Nice ...	1016.7	64	NW	3	b	1014.7	+2	48	-2	-	0	*	b	*	-	59	45				
	Perpignan ...	1016.7	64	NW	3	b	1021.2	+2	48	-7	-	0	*	bc	*	-	72	48				
	Sanguinaire ...	1016.4	55	E	2	b	1020.6	+3	50	0	E	1	*	b	*	-	61	48				
	Corunna ...	1021.3	59	S	4	c	1019.3	-1	55	+1	SSW	3	S	bc	4	-	61	54				
	Madrid ...	1022.3	54	-	0	b	1025.9	+2	39	-	-	0	-	b	*	-	55	36				
	Lisbon ...	1022.3	54	-	0	b	1025.9	+2	39	-	-	0	-	b	*	-	55	36				
	Azores (Horta) ...	1013.0	*	SW	4	c	1008.4	+4	61	-	N	4	*	bc	3	9	66	61				
MEDITERRANEAN.	Madeira ...	1021.6	64	W	2	o	1022.0	+1	63	+2	SW	3	NW	o	8	-	64	61				
	Gibraltar ...	1021.6	64	W	2	o	1022.0	+1	63	+2	SW	3	NW	o	8	-	64	61				
	Algiers ...	1015.3	54	-	0	c	1015.3	+2	54	-	-	0	-	b	1	-	59	52				

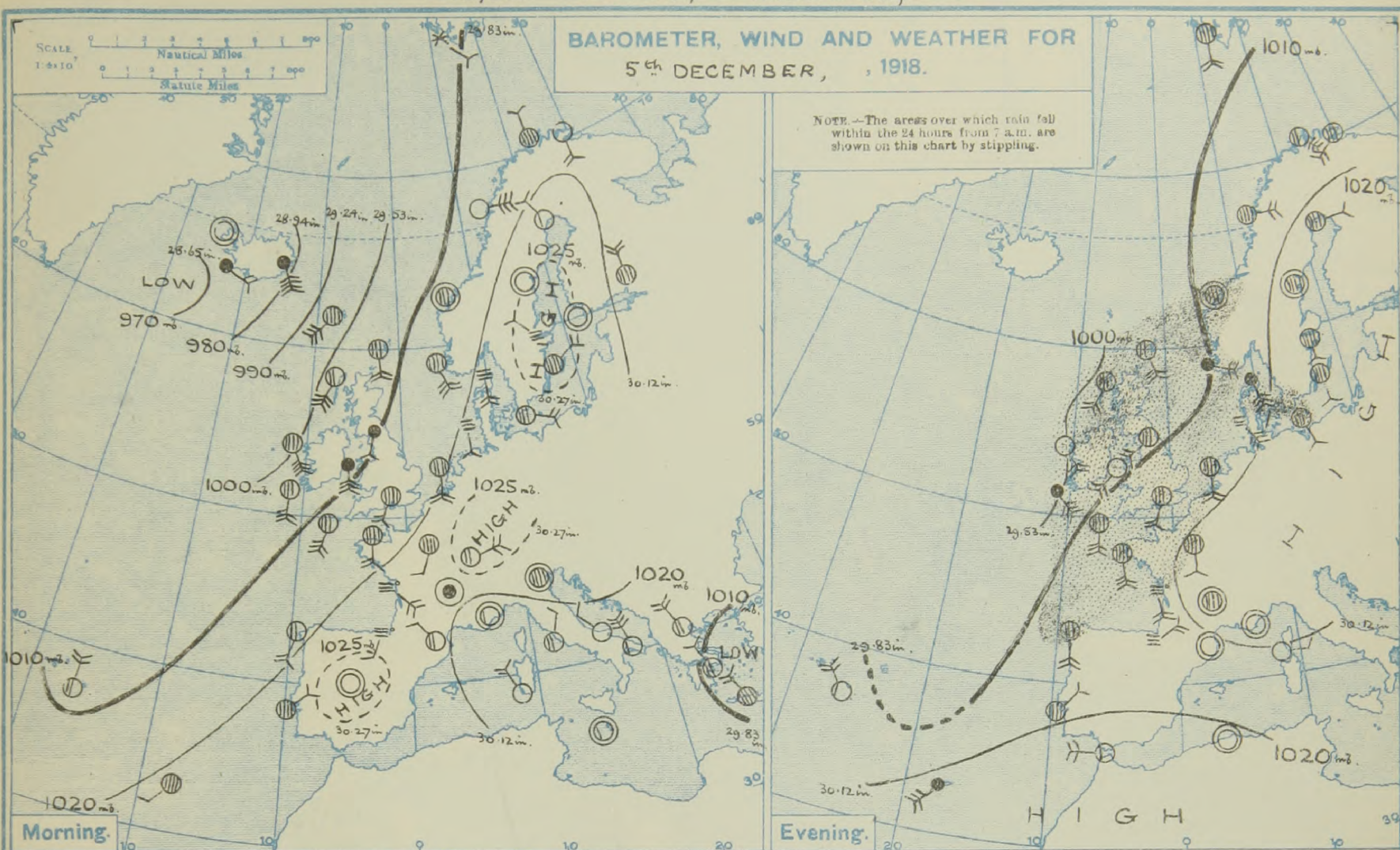
## THE BEAUFORT SCALE OF WIND FORCE.



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,833

FRIDAY, 6th DECEMBER, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 5th DECEMBER.

STATIONS.	EVENING OF 4th.					MORNING OF 5th.										MORNING OF 5th.					
	Barom. M.S.L.	Temp. °F.	WIND		Weather.	Barom. M.S.L.	Change in 3 hours.	TEMP.		WIND	Force 0-12.	Weather.	Rain-fall. Millimetres.	TEMP.		Barom. M.S.L.	Dry Bulb. °F.	Change in 24 hours. °F.	WIND	Force 0-12.	Weather.
			Dir.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours. °F.					Max. °F.	Min. °F.						
<b>RUSSIA.</b>																					
Orlov ...	x	x	x	x	x									x	x						
Kem ...	x	x	x	x	x									x	x						
Archangel ...	x	x	x	x	x									x	x						
Mesen ...	x	x	x	x	x									x	x						
<b>SWEDEN.</b>																					
Haparanda ...						1023.3	x	10	-20	NW	2	b	x	x	x						
Hernösand ...						1024.7	x	14	-20	—	0	b	x	x	x						
Stockholm ...						1026.1	x	28	-13	NW	2	f	x	x	x						
Wisby ...						1025.2	x	37	-6	NE	2	f	x	x	x						
Sordovala ...						1015.9	x	23	-13	N	4	o	x	x	x						
Hangö ...						1025.0	x	28	-15	—	0	b	x	x	x						
<b>ITALY.</b>																					
Venice ...	1018.9	34	NNW	1	b	1021.5	x	37	+5	NW	1	o	—	46	32						
Turin ...	1021.4	37	—	0	b	1023.3	x	32	0	—	0	f	—	41	32						
Pesaro ...	1019.3	39	NE	1	c	1022.2	x	34	—	—	0	b	—	48	32						
Leghorn ...	1017.5	48	—	0	b	1019.5	x	43	+2	—	0	b	—	55	41						
Rome ...	1015.5	46	—	0	b	1018.5	x	45	+9	NE	1	b	—	52	41						
Viesti ...	1014.3	50	NW	4	b	1016.7	x	52	+2	NW	1	b	—	54	45						
Brindisi ...	1012.6	55	NNW	6	b	1012.4	x	55	—	NNW	6	b	—	55	52						
Cagliari ...	1015.6	54	NW	3	b	1019.3	x	48	—	NNW	3	b	—	64	41						
Palermo ...																					
Tripoli ...																					

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

Stations.	6th and 7th Dec. 1918.			Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.			
Yarmouth ...	7.49	11.44	3.39			
Greenwich ...	7.51	11.51	3.51			
Wick ...	7.53	11.52	3.51			
Valencia ...	8.47	12.3	3.20			
	8.49	12.4	3.19			
	8.35	12.32	4.29			
	8.37	12.33	4.29			

LONDON	Humidity.		Sunshine for Hours.	TEMPERATURE.			Rain-fall. (mm).	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
	5th.	6th.		°F.	°F.	°F.				
6th December 9h. G.M.T.	5th.	6th.	5th.							
GREENWICH (Royal Observatory)	92	97	0.0	53	48	49	—	o	oe	oe
CITY (Bunhill Row)	x	x	0.0	x	x	x	x	x	x	x
WESTMINSTER (St. James's Park)	91	94	0.0	55	50	45	—	x	x	x
" (Roof near Charing Cross)	86	94	0.0	55	50	x	—	omg, od	o, d, o	o
CAMDEN SQ. (British Rainfall)	86	94	0.0	54	49	45	—	o	o	x
KENSINGTON PALACE	—	93	x	55	49	47	—	o	o	x

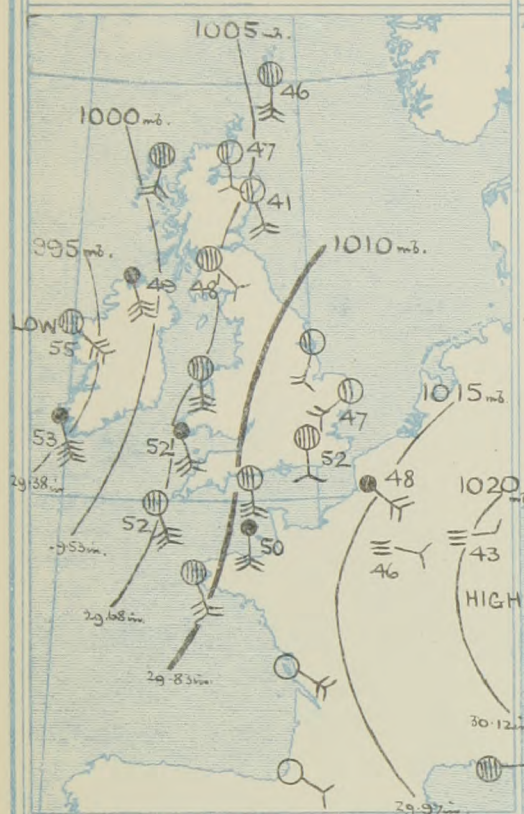
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 5th.		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
97	3.4	13



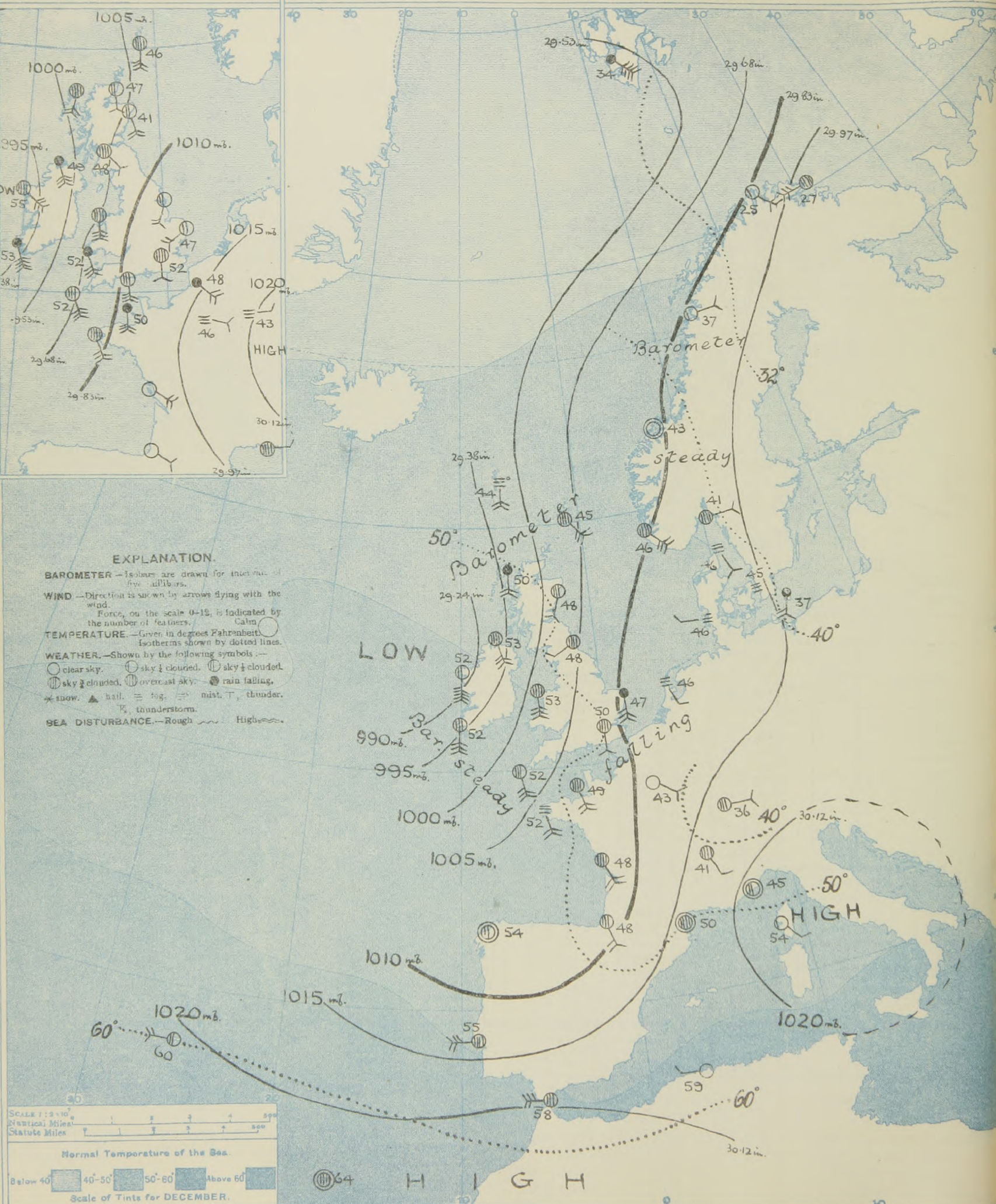
6<sup>TH</sup>, DEC, at 1h. G.M.T.

THE MORNING OF FRIDAY, 6<sup>TH</sup> DECEMBER 1918, at 7h. G.M.T.



EXPLANATION.

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



SCALE 1:250,000  
 Nautical Miles  
 Statute Miles

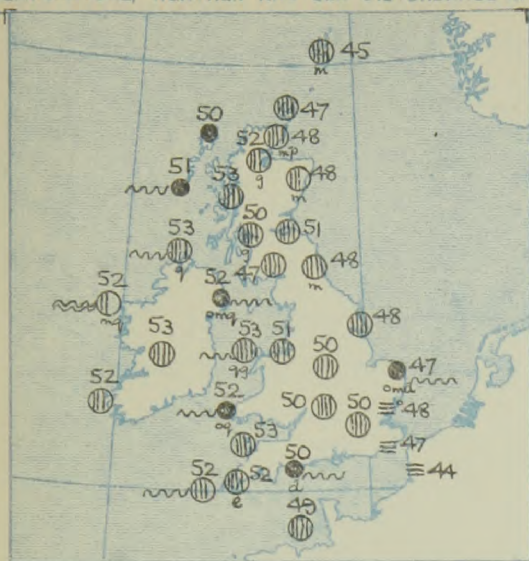
Normal Temperature of the Sea.

Below 40 40-50 50-60 Above 60

Scale of Tints for DECEMBER.

64 H I G H





NOTES.

BLACKSOD PT. S, 9 at 7h. (6th)	VALENCIA SSE, 8 at 1h. (6th)
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Notes on the Weather of the 24 hours ended 7 Today

Temperature was a little warmer than during the few days preceding, but still high for the time of year. At nearly all British stations it rose to 50° or above, touching 56° at Nottingham. Many of the minimum readings of the night were about 50°. Slight amounts of rain fell in most parts of the United Kingdom and as a rule little or no bright sunshine occurred. At Pembroke, however, the value was 3.5 hours, at Birr Castle 2.6 hours, and at Nairn 2.2 hours.

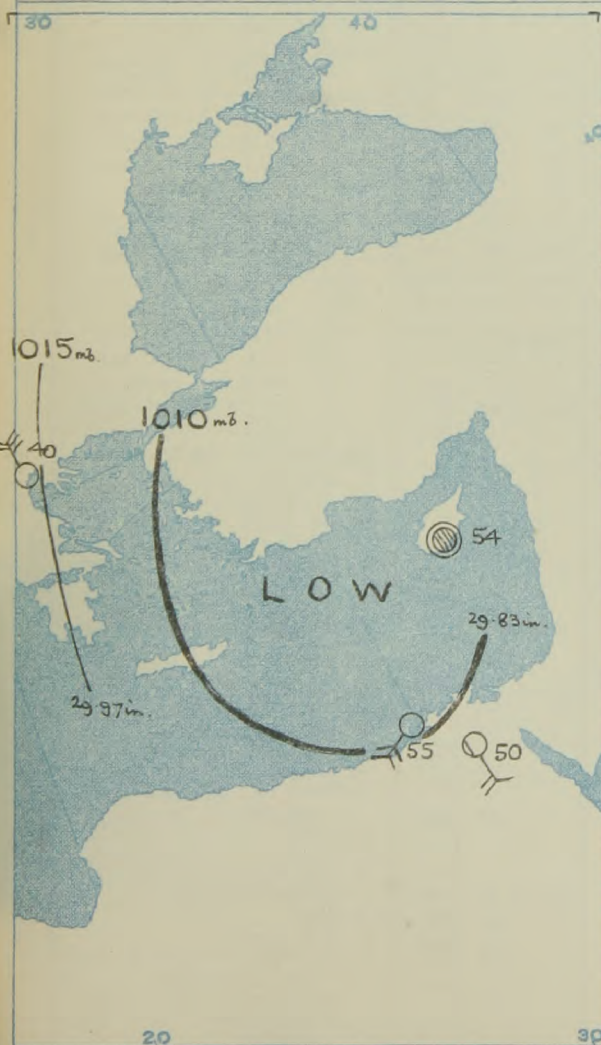
The Conditions at 7h. Today

Pressure continues lowest on the Atlantic to the westward of these Islands. The barometer is now highest in a vast zone extending from the western Mediterranean across Central Europe to the Kola Peninsula. The barometer is falling rather decidedly in the north-west of the British Isles and slowly over the Kingdom generally, as well as over France. On our south-west coasts, however, the fall has ceased. The Southerly wind now general blows a gale at Blacksod and a fresh to strong breeze at the western stations, but little force elsewhere. Temperature has fallen somewhat in most localities but is still above the normal. Very cloudy or overcast skies are reported, with rain at some southern, western and north-western stations. Fog prevails at Dungeness and on the Danish coast.

The Outlook

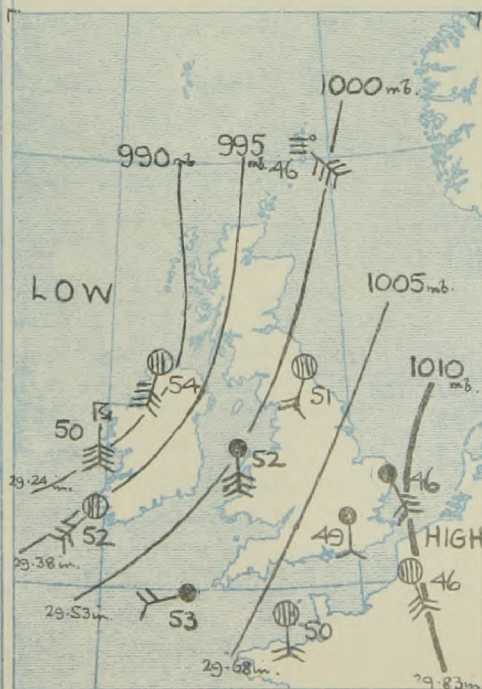
It appears probable that depressions moving northward will continue to skirt our western coasts, causing an occasional increase in the force of the Southerly wind. The fall of the barometer over France by tending to draw the wind into the south-eastward will cause a decided fall of temperature in England and a lower temperature over the Kingdom generally.

H.H.



FRIDAY, 6TH

DECEMBER, 1918, at 12h. (1p.m.) G.M.T.



The barometer is rising again in the south-west of the British Isles, with a veering wind, but in the north and east it is still falling.



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No.349.

FRIDAY.  
6th DECEMBER..

STATIONS.	EVENING OF... 5th ...					MORNING OF... 6th ...										24 HOURS ENDED 7th ... 6th ...										Sun- shine for 5th Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	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.								
			Direc.	Force 0-12						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.						
BRITISH ISLANDS.	Lerwick ...	1004.6	46	SE	5	bcm	1004.1	-2	45	-1	SE	5	-	om	3	0.3	47	42	cm	cm	cmfe	*				
	Deerness (Orkney) ...	1003.7	47	S	3	b	1000.7	*	47	-1	SE	4	-	o	4	-	49	44	o, c, bc	bc, b	b, bc, so	1.3				
	Stornoway ...	1001.6	50	SSW	4	c	995.6	-5	50	+1	S	4	-	r	3	2	51	48	od	o, c	or	0.0				
	Castlebay (Barrisd.) ...	1002.6	50	WSW	4	op	993.7	-6	51	+1	SE	5	-	r	5	2	52	49	op, c, o	op	op, bur	0.2				
	Glasgow ...	1006.9	50	SSW	4	og	1001.7	-4	50	+1	S	4	-	og	*	4	51	46	og, omp	odp	o, b, odp	0.0				
	Eskdalemuir ...	1009.0	47	SSW	3	o	1003.7	-4	47	+1	SE	2	-	o	*	9	50	44	om, om	o, do	o	0.0				
	Malin Head ...	1003.0	49	SSW	4	cq	992.6	-4	53	+4	SE	5	-	og	5	0.2	53	47	bcq	cq	og	0.8				
	Blacksod Point ...	999.6	49	SSE	4	bcm	987.4	-6	52	+2	S	9	5	bcmq	7	3	55	47	cm	omq	qpmq	*				
	Valencia (Cahircleeven) ...	998.2	53	SE	6	r	993.1	0	52	0	S	6	-	c	6	5	55	51	c	c, o	or, o, c	0.4				
	Roche's Point																									
	Birr Castle ...	1005.2	50	S	1	c	993.4	*	53	+2	S	2	-	o	*	1	54	50	o, c	c	or, o	2.6				
	Donaghadee ...	1007.1	48	SSW	3	cqm	997.2	-3	52	+1	S	5	-	omqr	5	3	52	48	ogm	c, omp	om, ogp	*				
	Liverpool (Bidston) ...	1010.6	51	SW	3	bc	1003.8	-4	51	0	SE	3	-	o	3	-	55	47	bc	bc	o	0.3				
	Holyhead ...	1008.8	51	SSW	4	b	1000.6	-3	53	+1	S	6	-	ogq	5	1	53	50	o, c	af, opad	b, bc, op	0.0				
	Pembroke (St. Ann's) ...	1010.4	52	S	4	o	1002.2	-1	52	-1	SSE	5	-	ogf	5	2	53	51	c, bc	c, o	ogf	3.5				
NORTHERN EUROPE.	Hartland Quay ...	1011.9	53	SSW	4	c	1003.9	-3	53	-1	SSE	5	-	o	4	0.2	55	52	dp, om	om, c, om	o, b, o	*				
	Scilly (St. Mary's) ...	1010.8	53	S	5	ome	1002.3	-1	52	-1	SSE	5	S	c	6	3	55	52	om, bcm	ome	cp	0.0				
	Falmouth ...	1012.3	53	S	5	og	1003.6	-4	52	-2	SSE	4	-	oe	*	3	55	51	od, omq	og, o, og	og, od	0.2				
	Jersey (St. Aubin) ...	1015.3	53	SW	3	o	1007.7	-2	49	-2	SSE	4	-	o	4	Trace	53	48	o		od, o	0.2				
	Portland Bill ...	1016.7	52	SW	4	o	1006.8	-3	50	0	SSE	5	-	od	5	1	54	50	c, o	o	od, o	*				
	Dungeness ...	1016.7	52	SW	4	o	1010.1	-2	47	-4	SW	4	-	f	3	0.2	53	46	c	od, o	od, of	*				
	Wick ...	1003.9	47	S	2	b	1000.2	-4	48	+1	SSW	4	-	omp	4	0.2	48	45	omq, c	c, bcm	b, bc, op	*				
	Nairn ...	1003.7	47	-	0	cq	998.4	*	52	+7	W	2	-	cq	1	-	52	41	c, bc	bc, c	c, bc, c	2.2				
	Aberdeen ...	1005.4	47	SSW	2	bcm	1003.5	-2	48	+1	SSW	2	-	cm	2	1	49	44	ompr	om, bcm	bcm, o	0.0				
	Leith ...	1006.5	51	SW	2	o	1001.9	-2	51	+2	SE	2	-	o	2	5	53	47	op, c, o	ou, c, o	o, ou, o	*				
	Tynemouth ...	1009.1	52	SW	3	cm	1005.3	-2	48	-1	SW	1	-	om	2	1	55	45	omp	cm	cm	*				
	Spurn Head ...	1012.8	49	SW	2	bc	1008.9	-3	48	-2	SSE	4	-	o	3	0.1	52	45	c	bc	bcm, o	0.0				
	Yarmouth (Gorleston) ...	1015.2	50	SW	4	b	1010.8	-3	47	-3	S	5	-	omd	5	1	52	45	om	om, bcm	bc, ond	0.0				
	Clacton-on-Sea ...	1016.9	49	S	3	og	1010.3	-4	48	-1	SE	3	-	om	2	0.2	50	47	o, c, og	og	ogm	0.2				
	Nottingham ...	1013.4	51	SW	2	b	1007.7	*	50	-2	S	2	-	o	*	0.2	56	46	o, c	o, c, bc	b	0.2				
Benson (Oxon.) ...	1014.7	52	SSW	4	bc	1006.9	-4	50	0	SSE	3	-	o	*	0.1	54	49	o	bc	o	*					
Sth Farnborough ...	1015.6	52	S	4	o	1009.0	-2	50	0	SSE	4	-	adm	*	0.4	54	49	adm, o	o, b, o	o, adm	0.0					
Salisbury Plain ...	1015.2	52	S	3	od	1007.1	-5	50	0	SE	3	-	od	*	1	54	48	o, do	od, o, od	o, odq	*					
London (Kew Obs.) ...	1015.7	53	SSW	3	c	1009.1	-2	50	-2	S	2	-	o	*	-	54	50	o	o, bc, c	c, o	0.0					
FRANCE, &c.	Spitsbergen ...	1006.9	30	S	4	o	998.0	-4	34	+6	SE	8	*	r	*	34	28									
	Vardø ...	1015.7	28	SW	4	c	1018.9	0	27	-3	W	5	N	o	3	*	30	23								
	Gjesvær ...	1013.2	30	SE	6	bc	1014.3	*	25	-7	SE	4	-	b	3	-	32	23								
	Bodø ...	1013.1	34	E	4	o	1012.4	0	37	+7	E	2	-	b	2	-	37	28								
	Christiansund ...	1010.4	45	-	0	c	1009.7	0	43	-3	-	0	-	b	2	Trace	46	39								
	Skudesnaes ...	1009.3	46	ESE	5	r	1009.9	0	46	0	SE	5	-	o	0	0	48	45								
	Hænder (Xtania Fjord) ...	1015.8	41	SSE	6	r	1013.5	+2	41	+4	E	2	-	o	2	14	41	37								
	The Scaw (Skagen) ...	1014.9	43	SSE	6	r	1012.2	+1	46	+3	SSE	2	-	f	2	17	46	41								
	Blaavands Huk ...	1015.1	45	SSW	2	f	1013.6	-1	46	+3	W	1	-	f	*	-	46	41								
	Copenhagen ...	1020.4	43	SSE	3	o	1014.4	0	45	-2	-	0	-	f	*	5	45	41								
	Bornholm ...	1023.1	41	SSE	2	c	1016.3	+1	37	+4	SSW	3	-	f	0	3	41	36								
	IBERIA, &c.	The Helder ...	1016.8	46	S	4	o	1013.3	-2	46	-2	SSE	1	-	f	0	Trace	48	46							
C. Gris Nez ...		1017.6	48	SSW	4	f	1010.1	-5	45	-5	ESE	2	*	o	*	Trace	50	45								
La Hève ...		1019.3	50	S	2	o	1010.7	-1	45	-3	SE	4	*	o	*	-	50	45								
Brest (St. Mathieu) ...		1014.3	54	SSE	5	o	1005.7	-1	52	-2	SSE	4	*	f	*	Trace	55	52								
Rochefort (Ile d'Aix) ...		1018.3	46	SSE	4	mv	1009.8	-2	48	+3	SSE	4	*	o	*	1	54	45								
Biarritz ...		1015.5	50	NE	3	f	1008.7	-1	48	-6	SSE	3	*	c	*	-	57	43								
Paris ...		1020.2	48	SSE	2	o	1012.6	-3	43	-5	SE	2	*	o	*	Trace	50	43								
Belfort ...							1018.1	*	36	-5	E	2	*	c	*	-	55	36								
Lyons ...		1022.3	46	-	0	o	1016.4	-3	41	-4	SSE	1	*	o	*	Trace	48	41								
Nice ...		1021.0	50	-	0	b	1020.7	0	45	-3	-	0	*	bc	*	-	59	43								
Perpignan ...		1019.9	52	-	0	b	1017.1	-2	50	+2	-	0	*	o	*	-	64	43								
Sanguinaire ...		1019.9	59	E	1	b	1020.2	+1	54	+4	SE	1	*	b	*	-	52	50								
MEDITERRANEAN.	Corunna ...	1015.0	59	S	4	c	1007.7	+3	54	-1	-	0	-	bc	3	5	61	52								
	Madrid ...																									
	Lisbon ...	1019.5	50	NE	2	o	1012.3	-2	55	-	W	5	-	o	6	24	55	50								
	Azores (Horta) ...																									
	„ (P. Delgada) ...	1013.9	*	NW	4	b	1023.1	+1	60	-1	W	3	*	bc	3	-	66	57								
	Madeira ...	1021.7	64	SW	5	r	1021.9	0	64	+1	?	?	-	o	?	21	64	63								
MEDITERRANEAN.	Gibraltar ...	1021.7	56	W	4	b	1019.6	*	58	-	W	5	*	c	3	-	66	52								
	Algiers ...	1021.1	59	-	0	b	1018.9	-1	59	-	W	1	-	b	-	-	68	55								
	Malta ...																									
	Salonica ...	1011.3	45	NNW	5	bc	1015.6	+3	40	-5	N	5	-	b	*	-	53	39								
	Athens ...																									
	Candia ...																									
	Limassol ...						1007.5	-1	54	-1	-	0	-	o	5	39	63	50								
	Alexandria ...	1011.3	54	SW	3	b	1009.7	0	55	0	WSW	4	-	b	4	-	70	54								
	Cairo (Helwan) ...	1013.6	55	-	0	b	1018.0	+2	50	-2	S	3	SW	b	*	-	68	48								
	Jerusalem ...																									
Ramleh ...																										

\* Information for these columns not usually received

+ Received too late for insertion in Charts

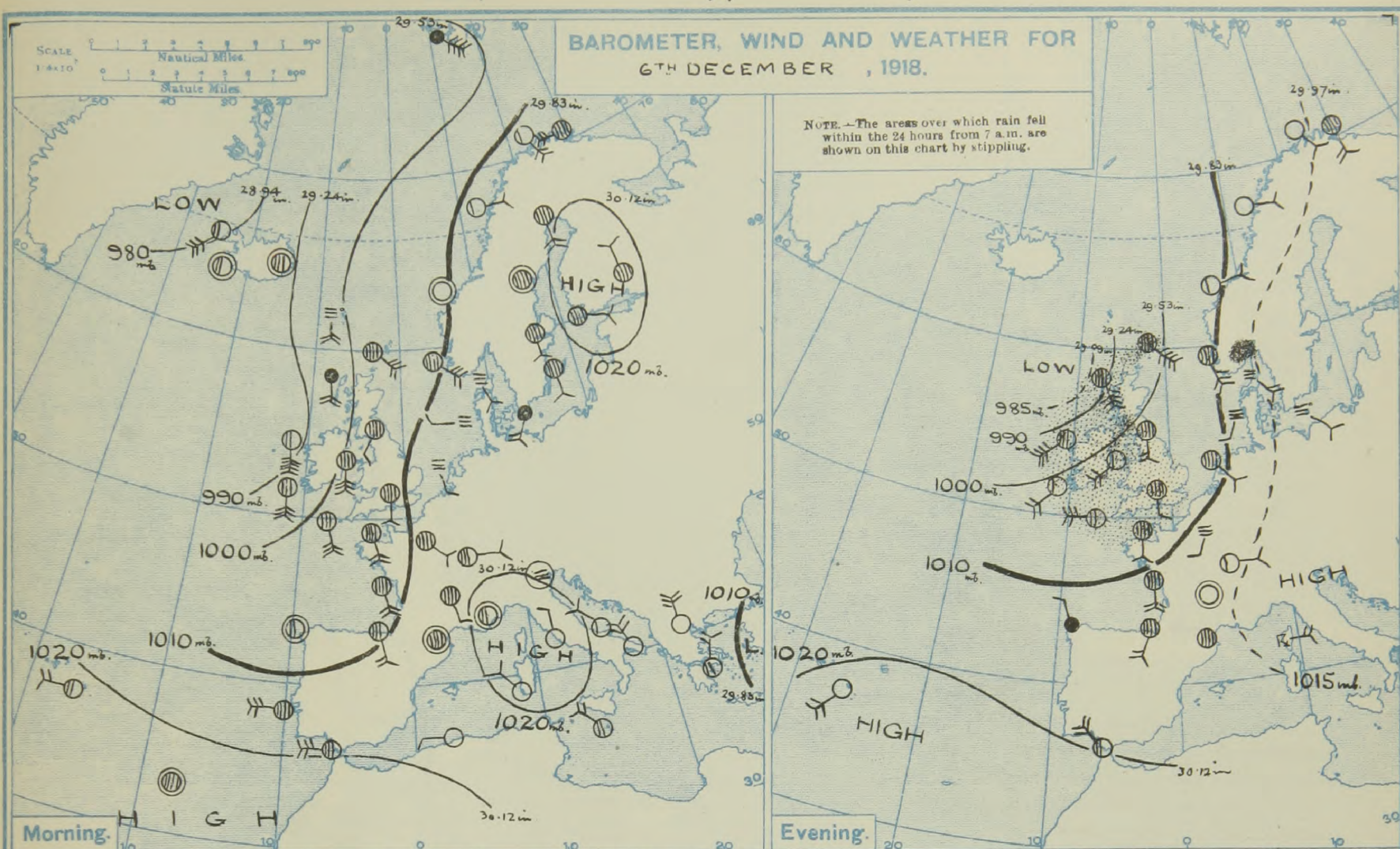
† The barometric change is expressed in half-millibars



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,834

SATURDAY, 7TH DECEMBER, 1918.



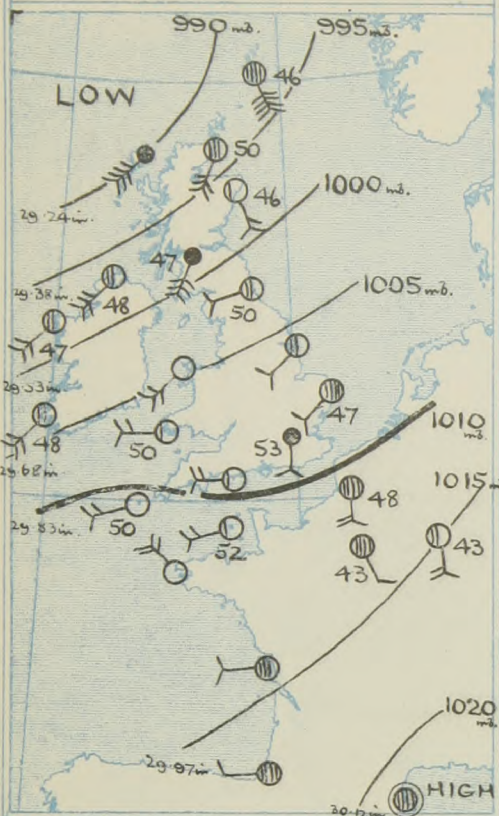
## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 6TH DECEMBER.

STATIONS.		EVENING OF 5th					MORNING OF 6th										MORNING OF 6th						
		BAROM. Milli- bars at M.S.L.	TEMP. ° F.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.			
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours.	Dirac.	Force 0-12.	Weather.
RUSSIA.		*	* F.	×	×	×			° F.	° F.				° F.	° F.			° F.	° F.				
Orlov ...	...	*	×	×	×	×			×	×				×	×			×	×				
Kem ...	...	*	×	×	×	×			×	×				×	×			×	×				
Archangel	...	*	×	×	×	×			×	×				×	×			×	×				
Mesen...	...	*	×	×	×	×			×	×				×	×			×	×				
SWEDEN.																							
Haparanda ...	...	1022.3	16	E	2	0	1019.7	*	27	+17	S	4	0	*	×	×							
Hernösand ...	...	?	30	-	0	0	1017.3	*	30	+16	-	0	0	*	×	×							
Stockholm ...	...	1023.5	30	S	2	0	1018.0	*	37	+9	S	2	0	*	×	×							
Wisby ...	...	1024.4	36	S	2	0	1019.1	*	37	0	S	2	0	*	×	×							
Sordövala ...	...						1020.8	*	23	0	N	2	0	*	×	×							
Hangö ...	...						1021.1	*	32	+4	ESE	2	0	*	×	×							
ITALY.																							
Venice ...	...	1021.8	43	-	0	b	1019.9	*	37	0	-	0	f	-	54	37							
Turin ...	...	1023.0	39	-	0	b	1021.8	*	34	+2	-	0	f	-	46	32							
Pesaro ...	...	1022.7	37	NE	1	b	1022.2	*	34	0	-	0	b	-	50	32							
Leghorn ...	...	1019.9	48	-	0	b	1018.7	*	45	+2	-	0	f	-	59	43							
Rome ...	...	1019.0	50	N	1	b	1020.2	*	39	-6	N	1	b	-	61	39							
Viesti ...	...	1018.7	52	NW	2	b	1019.3	*	50	-2	NW	2	b	-	?	?							
Brindisi ...	...	1016.7	57	NW	4	b	1016.3	*	55	0	NNW	4	b	-	61	54							
Cagliari ...	...	1019.3	52	SE	2	b	1020.6	*	45	-3	NW	2	b	-	64	37							
Palermo ...	...							*															
Tripoli ...	...							*															
LONDON		HUMIDITY.		Sun- shine for 6th.	TEMPERATURE.				WEATHER.			SOUTH KENSINGTON (M.O.)											
7th December 9h. G.M.T.		15h.	9h.		Max.	Min.	Min. on Grass	Rain- fall.	Morning	Afternoon.	Night.	Vertical Component of Solar Radiation per square Centimetre during 6th											
GREENWICH (Royal Observatory)	...	94	97	0.0	52	44	37	2.0	oe	oed	bw	Total.	Average Rate.	Max. Rate.									
CITY (Bunhill Row)	...	*	*	0.0	*	*	*	*	*	*	*	Joules.	Milliwatts.	Milliwatts.									
WESTMINSTER (St. James's Park)	...	100	94	0.0	53	43	37	1.4	*	*	*	-	-	-									
" (Roof near Charing Cross)	...	97	97	0.0	53	46	*	1.1	odm, b, o	od, o	od, b, m												
CAMDEN SQ. (British Rainfall)	...	100	100	0.0	52	43	40	2.0	o	o	*												
KENSINGTON PALACE	...	-	97	*	52	45	35	2.1	oem	o	*												
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.																							



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

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



# EXPLANATION.

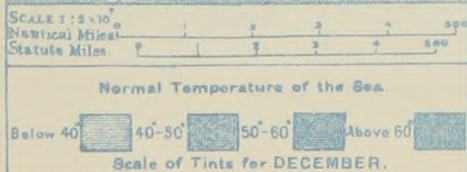
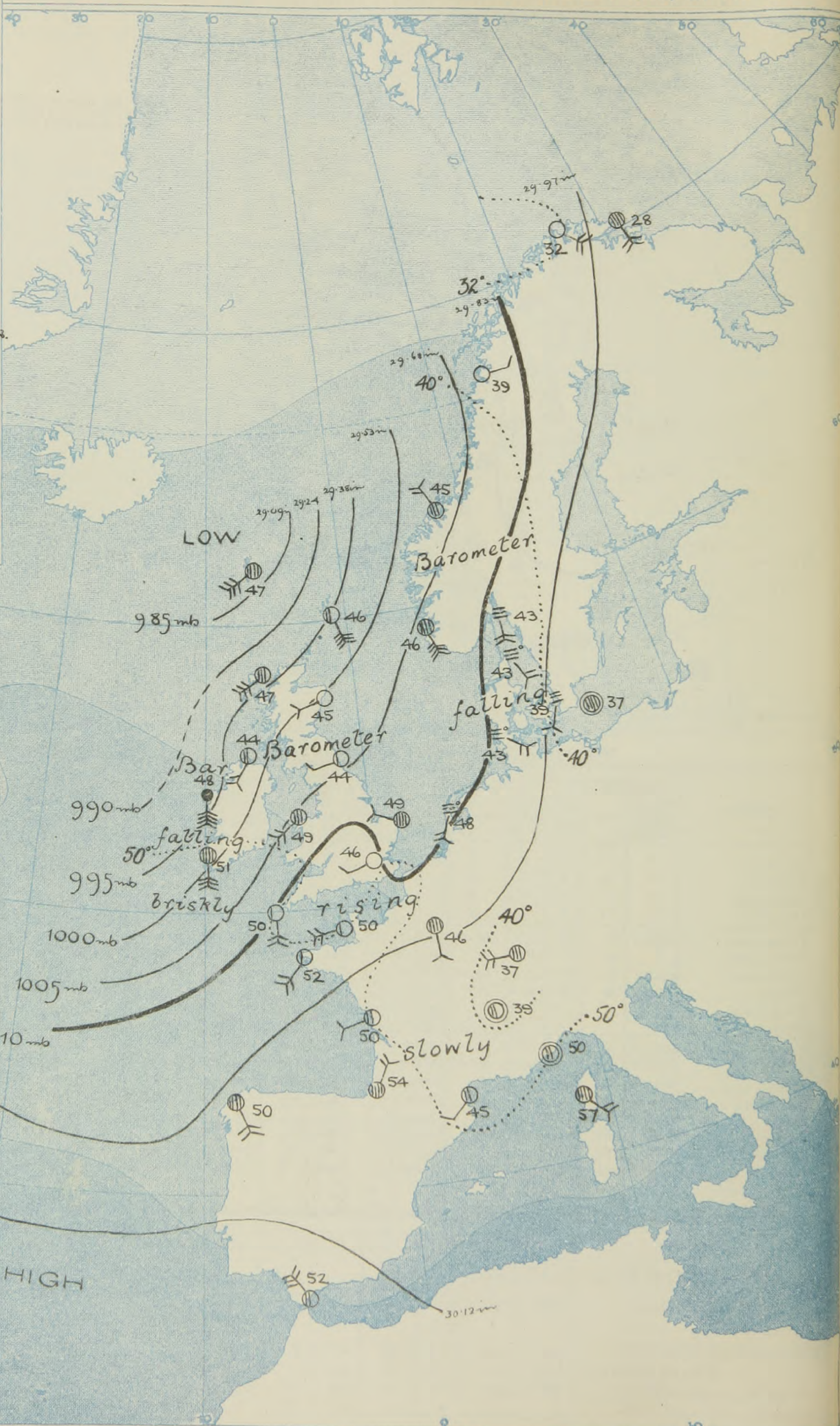
**BAROMETER.**—Isobars are drawn for intervals of five millibars.

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

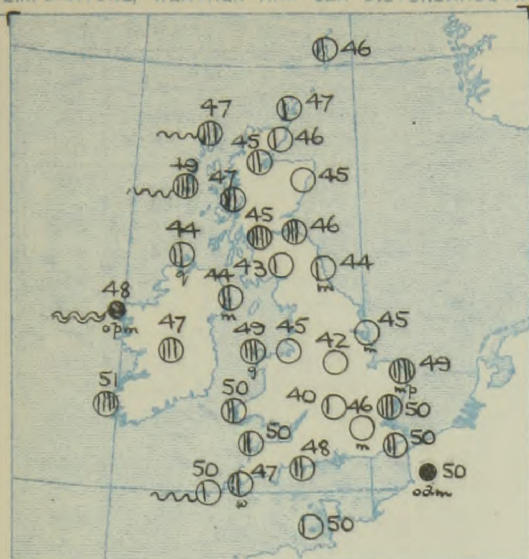
**TEMPERATURE.**—Given in degrees Fahrenheit.  
Isotherms shown by dotted lines.

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

**SEA DISTURBANCE.**—Rough High







## NOTES.

LERWICK.

Gale 15h. (6th) to  
3h. (7th)  
Extreme, S.E. 9 at  
19h. (6th)

STORNOWAY

SSE 8 at 21h. (6th)

LOUGH FOYLE

Gale 7h. (6th) to  
18h. (6th)

BLACKSOD PT.

S. 8 at 13h. (6th)  
S. 8 at 7h. (7th)

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

Temperature showed a decrease, but it still rose to 50° or a little higher in nearly all parts of the Kingdom. At night it fell to 40° or below over the south Midlands. Slight rain was again experienced in most localities, and very few stations recorded sunshine. The largest amounts were 2.1 hours at Malin Head, and 1.6 hours at Valencia.

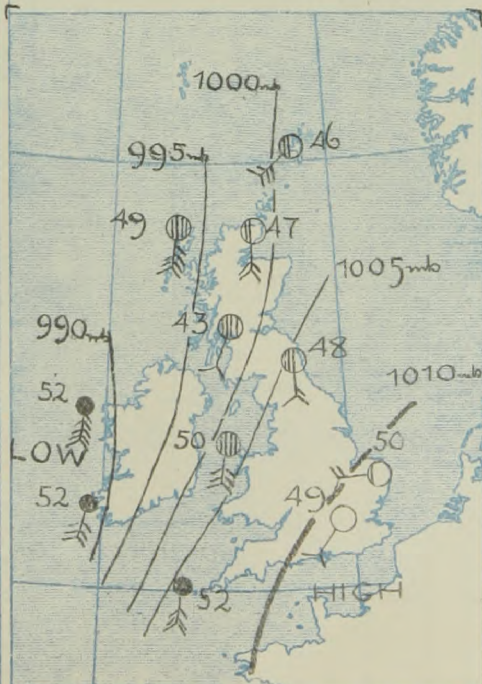
The Conditions at 7h.

The pressure distribution has undergone little essential change. A V-shaped depression has reached a position between England and Holland from the Bay of Biscay, but the lowest pressure continues to the westward and north-westward of these Islands, and the highest on the continent to the eastward and south-eastward. The Southerly wind still blows a fresh or strong breeze on our most western and north-western coasts, and a gale at Blacksod Point. Over the S.E. of England the wind direction is affected by the V-shaped depression, but over England generally it is S. to SW. light. The weather is much finer than of late except in Ireland.

The Outlook

The V-shaped depression will soon cease to influence the wind in this country, and the relative positions of the main high and low pressure systems are not likely to undergo sufficient modification to cause any important change in the general wind current.

H.H.

SATURDAY, 7<sup>th</sup> DECEMBER, 1918, at 13h. (1p.m.) G.M.T.

The depression on the Atlantic continues to expand over our Western districts, and the wind is increasing in force.



SATURDAY.....  
7th DECEMBER.

STATIONS.		EVENING OF... 6th...					MORNING OF... 7th...										24 HOURS ENDED 7th...										Sun- shine for 6th Hours.																																				
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	WIND.		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 ...	996.2	46	SE	8	om	995.4	+2	46	+1	SSE	7	-	bc	4	0.2	47	43	om	om	bc	0.0																																									
	Deerness (Orkney) ...	993.5	48	SSE	5	om	996.6	*	47	0	SSW	4	-	b	5	1	50	46	om	om	bc	0.0																																									
	Stornoway ...	986.7	53	SSE	7	om	994.7	+4	47	-3	SW	6	-	cq	5	5	53	44	or	om	bc	0.0																																									
	Castlebay (Garras) ...	987.8	51	S	6	op	996.6	+1	49	-2	S	5	-	o	5	1	52	47	o, c, o	o, c, o	bc	0.5																																									
	Glasgow ...	998.4	51	SSW	3	om	1003.0	+2	45	-5	S	3	SW	o	*	0.2	52	44	om	om	bc	0.0																																									
	Eskdalemuir ...	999.3	49	SSW	6	om	1004.3	+2	43	-4	S	5	-	b	*	4	49	43	o, od	o, od	bc	0.0																																									
	Malin Head ...	990.6	51	SSW	6	cq	997.0	0	44	-9	SSW	3	SW	bc	4	-	54	44	bc	bc	bc	2.1																																									
	Blackod Point ...	994.5	45	SW	7	cm	998.1	-9	48	-4	S	8	-	op	7	2	52	45	om	om	bc	0.0																																									
	Valencia (Cahirciveen) ...	1002.9	50	SW	4	b	997.4	-8	51	-1	S	6	-	o	0	2	53	47	o, c	o, c	bc	1.6																																									
	Rochester Point ...	999.0	50	SW	2	o	999.9	*	47	-6	SSE	2	-	c	*	1	54	41	op	o	c	0.0																																									
	Donaghadee ...	995.2	51	SW	5	cm	1002.8	0	44	-8	S	2	SW	bc	2	1	52	42	om	om	bc	0.0																																									
	Liverpool (Bidston) ...	1002.6	51	SSW	3	bc	1006.7	+3	45	-6	SSW	3	-	b	2	-	52	44	o	c, bc	bc	0.2																																									
	Holyhead ...	1001.6	51	SW	4	b	1005.2	+1	49	-4	SW	4	SW	cq	3	2	53	47	om	op, c	bc	0.0																																									
	Pembroke (St. Ann's) ...	1004.8	51	WSW	4	b	1008.2	-1	50	-2	SSW	4	SW	bc	4	3	52	49	om	o, c, bc	b	0.0																																									
	Hartland Quay ...	1006.4	52	SW	4	op	1009.5	0	50	-3	SSW	6	-	bc	4	2	55	49	om	om	bc	0.0																																									
NORTH EUROPE.	Scilly (St. Mary's) ...	1006.7	50	W	5	bc	1010.1	-1	50	-2	S	4	-	b	5	0.4	53	49	om	o, c, bc	b	0.4																																									
	Falmouth ...	1006.8	50	WSW	3	bc	1010.7	0	47	-5	SW	2	-	bc	*	4	53	43	om	or, op, c	bc	0.0																																									
	Jersey (St. Aubin) ...	1007.9	51	S	2	oe	1013.4	+1	50	+1	WSW	4	SW	b	3	1	52	46	o	od, oe	oe, b	0.0																																									
	Portland Bill ...	1005.8	50	S	4	od	1010.7	+2	48	+2	W	2	-	bc	3	1	52	47	c, o	od	bc	0.0																																									
	Dungeness ...	1007.6	49	SW	3	o	1004.8	+2	50	+3	W	3	-	bc	3	1	52	46	fdo	o	or, o, e	0.0																																									
	Wick ...	993.9	49	S	5	bc	997.2	+4	46	-2	SW	3	-	b	4	Trace	50	44	om	op, bc	bc	0.0																																									
	Nairn ...	992.5	53	SW	4	cq	998.4	*	45	-7	WSW	1	-	bc	1	-	55	43	ucg	cq	bc	0.0																																									
	Aberdeen ...	998.4	49	S	4	om	1000.6	+3	45	-3	SW	2	-	b	2	-	50	45	om	om	bc	0.0																																									
	Leith ...	998.2	53	SW	2	o	1002.4	+2	46	-5	WSW	2	W	c	2	-	55	45	om	o	o, c, bc	0.0																																									
	Tynemouth ...	1001.5	51	S	3	om	1004.3	+1	44	-4	WSW	1	-	bc	2	-	51	43	om	om	bc	0.0																																									
	Spurn Head ...	1005.6	47	SSE	4	fe	1008.0	+2	45	-3	WSW	1	-	bc	3	2	48	43	af	fe	bc	0.0																																									
	Yarmouth (Gorleston) ...	1007.7	47	SSW	4	o	1009.0	+2	49	+2	NW	2	-	om	2	1	50	45	om	om	om	0.0																																									
	Clacton-on-Sea ...	1007.6	47	SSE	3	om	1009.7	+2	50	+2	WNW	1	-	c	1	0.2	50	46	om	om	om	0.0																																									
	Nottingham ...	1004.9	50	S	2	od	1010.1	*	42	-8	SW	1	-	b	*	Trace	51	41	om	om	od	0.0																																									
	Benson (Oxon.) ...	1006.3	49	SSW	3	r	1010.2	+4	40	-10	-	0	-	b	*	1	51	40	o	o	o, bc	0.0																																									
Sth Farnborough ...	1007.0	49	S	2	od	1011.3	+3	39	-11	W	2	-	b	*	2	51	38	dr, od	d, od	dr, od	0.0																																										
Salisbury Plain ...	1006.2	50	S	2	o	1011.6	+3	43	-7	W	2	-	b	*	1	51	39	od, op	od, o	dr, bc	0.0																																										
London (Kew Obs.) ...	1007.1	49	S	1	o	1010.9	+2	46	-4	SW	1	-	bc	*	2	52	45	od, od	od, o	od, od	0.0																																										
FRANCE, &c.	Spitsbergen ...	1019.1	28	S	3	o	1018.7	0	28	+1	S	5	*	o	4	*	28	23	THE BEAUFORT SCALE OF WIND FORCE.																																												
	Vardo ...	1014.3	28	SE	2	b	1011.9	*	32	+7	SE	4	-	b	3	-	32	23	<table><tr><th rowspan="2">No.</th><th colspan="2">Limits of Velocity.</th></tr><tr><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>1.6-3.3</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 75</td><td>33.6 or above</td></tr></table>	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
	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																																																													
Gjesvær ...	1012.8	36	E	2	b	1009.6	0	39	+2	E	1	-	b	1	-	39	34																																														
Bodö ...	1009.1	43	ENE	2	b	1004.6	-1	45	+2	NNW	3	-	c	2	-	45	37																																														
Christiansund ...	1009.5	46	SSE	5	o	1006.6	-5	46	0	SSE	7	-	o	5	-	46	45																																														
Skudesnaes ...	1014.7	41	E	2	f	1012.8	-1	43	+2	S	4	-	f	2	4	41	37																																														
Færder (Xania Fjord) ...	1013.3	45	SE	3	f	1012.7	-1	43	-3	SSE	3	-	m	3	-	48	43																																														
The Scaw (Skagen) ...	1013.5	45	SSW	1	f	1012.4	-1	43	-3	SE	3	-	m	*	-	46	39																																														
Blaavands Huk ...	1015.7	43	ESE	2	f	1015.4	0	39	-6	SSW	2	-	f	*	Trace	45	39																																														
Copenhagen ...	1017.2	37	SE	2	m	1017.1	0	37	0	-	0	-	o	0	Trace	37	34																																														
Bornholm ...	1009.0	43	SE	2	o	1009.1	+1	48	+2	SSW	3	-	m	1	Trace	48	41																																														
The Helder ...	1021.3	48	S	4	o	1012.7	+5	50	+5	SW	3	*	o	*	?	50	45																																														
C. Gris Nez ...	1011.8	48	S	2	o	1013.2	?	48	0	SW	4	*	b	*	?	52	45																																														
Brest (St. Mathieu) ...	1009.2	52	NW	4	c	1013.7	+1	52	0	SW	4	*	b	*	-	55	52																																														
Rochefort (Île d'Aix) ...	1010.1	52	S	4	o	1016.7	+1	50	+2	WSW	2	*	bc	*	-	57	48																																														
Biarritz ...	1011.9	59	SSW	3	o	1017.2	+1	54	+6	NNE	3	*	o	*	3	66	48																																														
IBERIA, &c.	Paris ...	1011.0	45	-	0	f	1014.3	+1	46	+3	S	2	*	o	*	Trace	46	41																																													
	Belfort ...	1013.6	48	-	0	b	1018.3	*	37	+1	W	4	*	c	*	-	52	36																																													
	Lyons ...	1018.0	43	-	0	b	1018.0	+3	39	-2	N	1	*	bc	*	Trace	61	37																																													
	Nice ...	1016.7	0	50	+5	-	0	50	+5	-	0	*	bc	*	-	55	45																																														
	Perpignan ...	1017.5	54	-	0	o	1017.5	+2	45	-5	SW	1	*	bc	*	-	59	45																																													
MEDITERRANEAN.	Sanguinaire ...	1017.9	55	E	3	dr	1017.1	0	57	+3	SE	3	*	o	*	-	64	52																																													
	Corunna ...	1014.6	54	NNW	1	r	1018.3	-2	50	-4	SSE	4	S	o	4	8	57	46																																													
	Madrid ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																																													
	Lisbon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																																													
	Azores (Horta) ...	1022.4	*	SW	5	m	1022.3	+2	64	+4	WNW	4	*	m	4	-	64	55																																													
MEDITERRANEAN.	Madeira ...	1020.0	55	NW	4	bc	1021.0	*	52	-6	NW	5	*	bc	3	4	60	51																																													
	Gibraltar ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																																													
	Algiers ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																																													
	Malta ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																																													
	Salonica ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																																													
	Athens ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																																													
	Candia ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																																													
Limassol ...	1005.9	+1	52	-2	-	0	-	b	2	41	59	46																																																			
MEDITERRANEAN.	Alexandria ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																																													
	Cairo (Helwan) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																																													
	Jerusalem ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																																													
	Ramleh ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																																													
	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

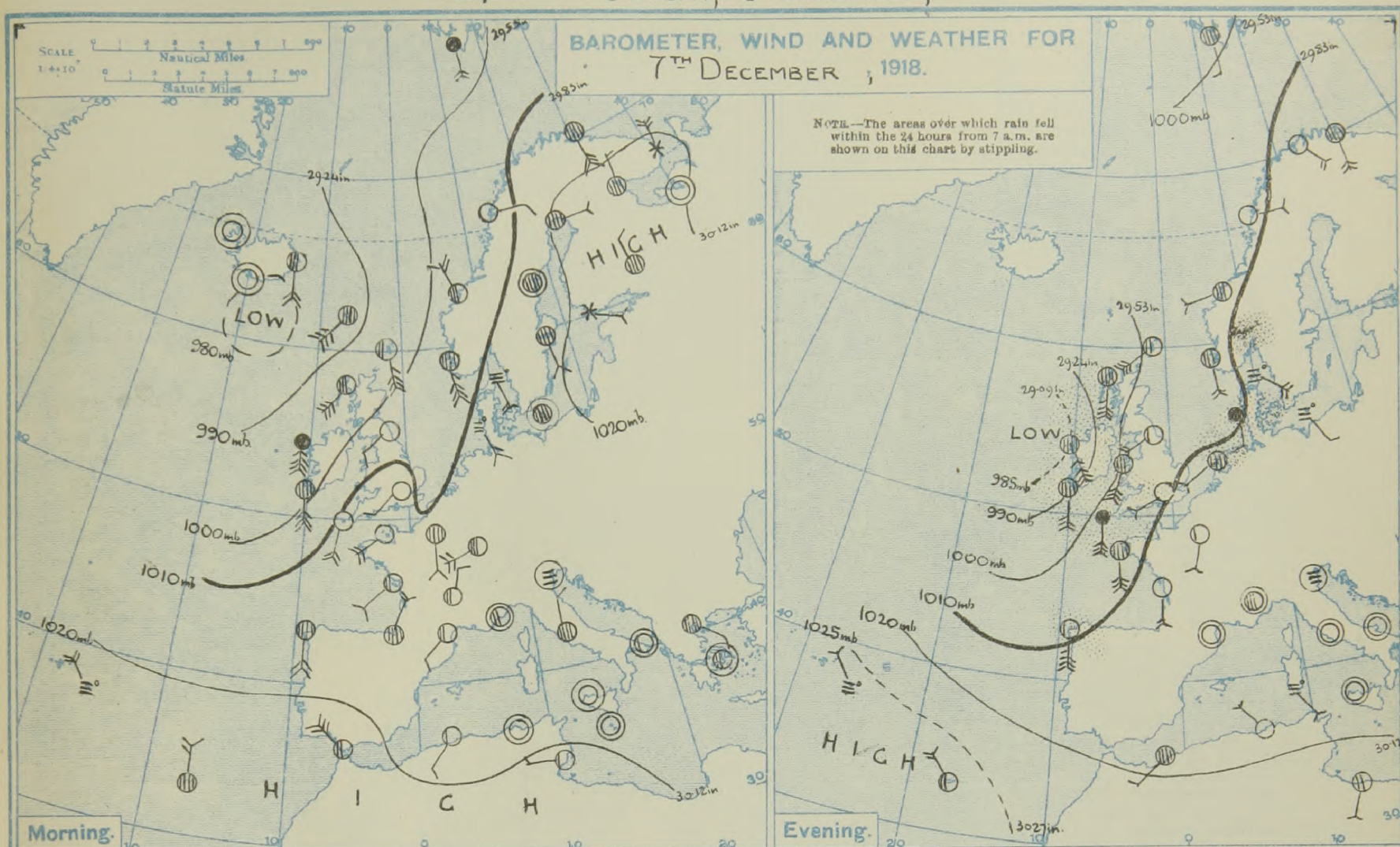
\* The barometric change is expressed in half-millibars.



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,835

SUNDAY, 8<sup>th</sup> DECEMBER, 1918.



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

STATIONS.		EVENING OF... 6 <sup>th</sup> ...					MORNING OF... 7 <sup>th</sup> ...										MORNING OF... 7 <sup>th</sup> ...						
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				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.				
RUSSIA.	Orlov ...	×	×	×	×	×	1021.9	-	21	-	N	4	5	-	×	×	Isafjord ...	986.6	32	-7	-	0	b
	Kem ...	×	×	×	×	×	1022.9	-	22	-	NW	2	5	1	×	×	Reykjavik	981.5	28	-8	-	0	b
	Archangel	×	×	×	×	×	1020.8	0	14	-	NE	3	0	-	×	×	Vestmanna						
	Mesen...	×	×	×	×	×	1016.2	-	10	-	N	1	0	-	×	×	Seydisfjord	982.4	41	-5	S	4	c
SWEDEN.	Haparanda						1022.4	×	21	-6	E	2	0	×	×	×	Thorshavn	983.6	47	+3	SW	6	0
	Hernösand						1017.6	×	32	+2	-	0	0	×	×	×							
	Stockholm						1017.7	×	37	0	S	2	0	×	×	×							
	Wisby ...						1019.1	×	34	-3	S	2	b	×	×	×							
	Sordovalä						1021.7	×	23	0	N	1	0	×	×	×							
	Hangö ...						1023.7	×	34	+2	ESE	2	5	×	×	×							
ITALY.	Venice ...	1016.5	41	NW	1	b	1017.7	×	34	-3	ENE	1	f	-	52	32	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Turin ...	1018.2	37	-	0	b	1018.2	×	34	-10	-	0	f	-	45	32							
	Pesaro ...							×									8 <sup>th</sup> and 9 <sup>th</sup> Dec. 1918.						
	Leghorn	1017.4	52	-	0	b	1016.9	×	50	+5	-	0	0	1	57	45	G.M.T.			G.M.T.			
	Rome ...	1018.5	48	-	0	bc	1019.5	×	37	-2	-	1	0	-	57	37	Yarmouth ...	7.52	11.45	3.38			
	Viesti ...	1017.7	50	NW	1	b	1016.3	×	48	-2	-	1	0	-	57	41	Greenwich ...	7.53	11.45	3.38			
	Brindisi ...	?	46	?	1	b	1017.0	×	54	-1	-	0	b	-	55	45		7.54	11.52	3.50			
	Cagliari ...	1017.8	54	SE	2	b	1016.6	×	46	+1	NW	3	b	-	64	43	Wick ...	7.55	11.52	3.50			
	Palermo ...	1019.5	52	-	0	b	1019.1	×	48	-	-	0	b	-	66	41	Valencia ...	8.50	12.4	3.18			
	Tripoli ...																	8.52	12.4	3.17			
																		8.38	12.33	4.28			
																		8.39	12.33	4.28			

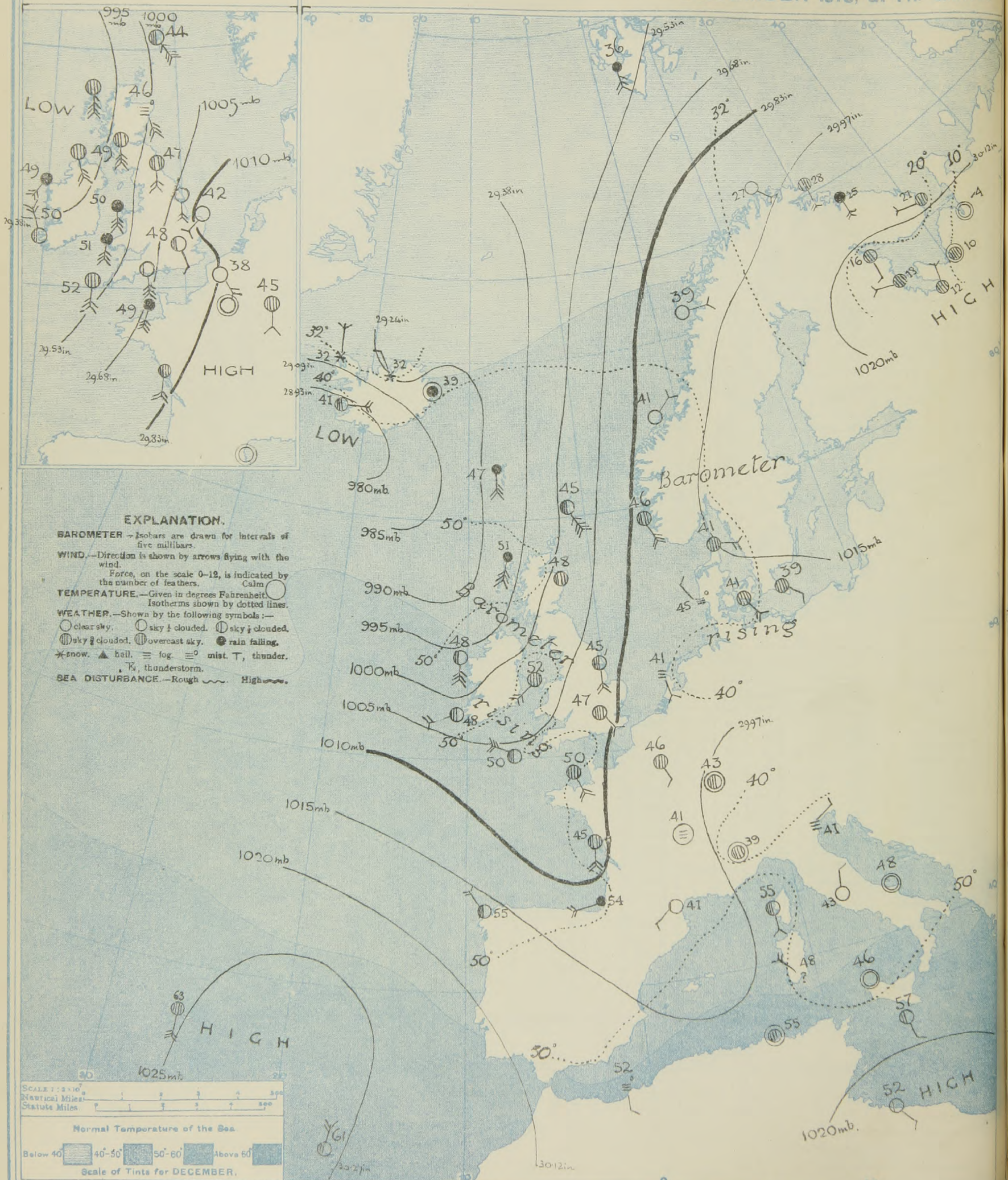
LONDON										SOUTH KENSINGTON (M.O.)									
8 <sup>th</sup> DECEMBER 9 <sup>th</sup> G.M.T.										Vertical Component of Solar Radiation per square Centimetre during 7 <sup>th</sup> ...									
Humidity.		Sun-shine for		TEMPERATURE.			Rain-fall.		WEATHER		Total.			Average Rate.			Max. Rate.		
15 h.	9 h.	7 h.	8 h.	Max.	Min.	Min. on Grass	mm.		Morning.	Afternoon.	Night.	Joules.	Milliwatts.	Milliwatts.					
GREENWICH (Royal Observatory)	86	96	5.3	50	40	30	-	bc	bc	bc		244	8.5	20					
CITY (Bunhill Row)	*	*	0.5	*	*	*	*	*	*	*									
WESTMINSTER (St. James's Park)	37	90	1.6	52	44	36	-	*	*	*									
(Roof near Charing Cross)	84	86	1.8	52	45	*	-	bc	bc	bc									
CAMDEN SQ. (British Rainfall)	90	91	0.8	50	43	34	-	c	bc	bc									
KENSINGTON PALACE	-	93	*	49	46	36	-	bc	bc	bc									

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



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

THE MORNING OF SUNDAY, 8<sup>th</sup> DECEMBER 1918, at 7h. G.M.T.





Lerwick.  
1h-7h 8h S.E. 8  
Blacksud Point.  
7h-20h 7h S.E.

Lough Foyle 13h-18h.  
Extreme S.g at 15h.

Deerness Azimora night.

The day and night temperatures were again considerably in excess of normal all over the country. Most parts of Scotland, Ireland and Wales had little or no sunshine, while over England there were good records, ranging up to six hours at Jersey and Yarmouth. As a rule there was no rain or very little, but Falmouth measured 20 mm., and Valencia (Cahiriveen) 24 mm. A gale was felt at a few stations, and an aurora was seen at Deerness last night.

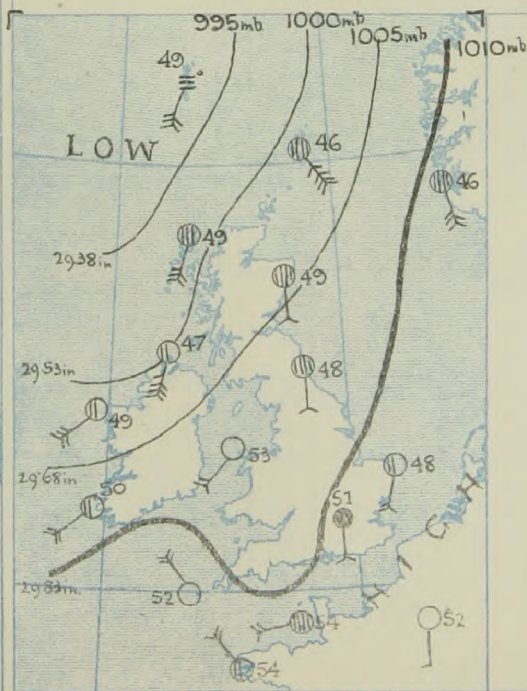
Areas of high pressure are found in the White Sea region and about the Azores. From a fairly deep depression centred to the south-westward of Iceland (barometer below 980 mb.) an elongated V-shaped secondary extends across the Bay and France to the Western Mediterranean. Between the south of Ireland and Spain the wind consequently has become W. or NW, while in most other regions a S. to SE. current prevails. It still blows fresh or strong on our western coasts, a gale in Shetland. Cloudy to overcast skies prevail, with a little rain locally. Temperature remains high for the season.

The chart for 13h. discloses no material change in the pressure distribution, winds, weather and temperature.

1874



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





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. NO. 342

SUNDAY  
8th DECEMBER

STATIONS.	EVENING OF 7th					MORNING OF 8th										24 HOURS ENDED 7th					Sun- shine for 7th		
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 2 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	1000.4	45	SW	6	bcm	1000.3	+1	45	-1	SE	8	-	cm	6	-	47	43	bc	bcg	cm	*	
	Deerness (Orkney)	998.6	47	SSE	4	c	999.3	*	48	+1	SSE	5	-	o	5	-	48	46	b	b, bc, c	co	3.1	
	Stornoway	993.1	50	S	7	opq	994.0	+2	51	+4	S	6	-	v	5	1	51	45	coq	opq	odpq	0.0	
	Castlebay (Barra Isd.)	991.4	50	SE	5	v	994.8	+2	51	+2	SSW	4	-	op	5	4	51	48	or	v	rop	0.0	
	Glasgow	1000.1	48	S	3	om	1000.3	+1	49	+4	SSE	3	-	om	*	0.1	49	45	op, om	omg	omg, om	0.0	
	Eskdalemuir	1002.0	44	SSE	4	o	1001.9	+1	46	+3	SSE	3	-	od	*	1	46	40	b, op, om	om, o	o, od	0.0	
	Malin Head	989.4	51	SSW	6	og	995.5	+6	48	+4	SW	3	sw	bc	3	0.3	54	43	cg	cg	om	0.0	
	Blacksod Point	984.7	53	SSE	8	omgq	995.2	+4	48	0	S	6	-	bcm	6	7	54	45	omgq	omgq	og, bcm	*	
	Valencia (Cahirciveen)	997.8	53	S	5	odp	1004.3	+8	48	-3	WSW	4	-	c	0	24	53	47	or	ordp	so, c	0.0	
	Roche's Point																						
	Birr Castle	992.1	52	SSE	3	v	1003.3	*	43	-4	S	1	-	c	*	5	53	43	odr	or	or, c	0.0	
	Donaghadee	997.1	50	SSW	5	omgq	999.1	+3	49	+5	SSW	3	sw	cmp	2	5	51	43	bcm, cg	cg, mqp	omgq	*	
	Liverpool (Bidston)	1002.8	46	SE	4	c	1002.6	+2	50	+5	SE	3	-	o	2	-	50	44	op	c, bc	o	3.2	
	Holyhead	999.0	51	SSW	6	cbqg	1001.4	+3	52	+3	SW	4	-	oem	3	0.4	52	48	o, c, o, cg	o, c, o, cg	opq, o	0.0	
	Pembroke (St Ann's)	1000.8	51	S	6	ogr	1003.8	+6	51	+1	WSW	2	-	o	5	6	52	50	b, c	c, oqr	og, o	0.5	
	Hartland Quay	1002.6	52	S	6	orm	1005.0	+7	51	+1	W	3	-	orf	4	4	53	48	b, bc	o, o, od	ordp, o	*	
NORTH EUROPE.	Scilly (St. Mary's)	1000.2	51	S	6	og	1005.5	+6	50	0	WNW	5	w	c	6	5	53	50	c, om	org	o, bp	0.6	
	Falmouth	1002.5	51	SSE	7	org	1005.2	+6	50	+3	NW	2	-	c	*	20	52	47	bcg, cg	cg, org	rg, c	1.8	
	Jersey (St. Aubin)	1009.4	50	S	4	b	1008.0	+1	50	0	SSE	4	-	o	3	1	54	49	b	b, b	b, o, d	6.1	
	Portland Bill	1006.7	52	S	4	bc	1005.2	+1	52	+4	S	5	-	c	5	2	53	48	ce	bc	cr	*	
	Dungeness	1010.6	50	SW	3	b	1009.5	+1	48	-2	SSW	4	sw	c	3	-	52	46	c, b	bc	bc, bc	*	
	Wick	998.7	47	S	3	o	998.7	0	48	+2	S	6	-	o	5	-	48	45	b, bc	bc, o	omg	*	
	Nairn	997.6	43	SW	1	cg	997.5	*	51	+6	WSW	3	-	cg	2	-	51	45	bc, cg	cg	cgq	0.8	
	Aberdeen	1001.6	47	S	4	b	1001.9	0	48	+3	SSW	3	-	o	2	-	49	44	b	bc, b	bo	3.1	
	Leith	1001.1	49	SW	2	c	1000.5	0	50	+4	SSE	2	-	o	2	-	51	45	c, o, c	o	c, o, c	*	
	Tynemouth	1004.3	45	SW	3	bcm	1003.4	0	44	0	S	2	-	cm	3	4	48	43	cm	o	bcm	*	
	Spurn Head	1008.3	44	SSW	3	b	1007.2	0	45	0	S	4	-	c	4	-	48	41	bcm	bcm	bc	4.9	
	Yarmouth (Gorleston)	1010.6	43	SW	2	bcm	1010.0	0	43	-6	SW	2	-	bcm	2	-	51	41	omp, bc	bcm	b, bcm	6.0	
	Clacton-on-Sea	1010.7	47	S	3	bc	1010.0	0	47	-3	S	3	S	c	3	-	51	46	c, by	bc, by	bc, c	4.8	
	Nottingham	1006.8	45	SSW	2	bc	1006.2	*	48	+6	S	2	S	c	*	-	48	38	bc	c, bc	bc, c	3.0	
	Benson (Oxon.)	1008.3	47	SSW	3	o	1007.0	+1	48	+8	SSE	4	-	o	*	-	49	37	bc	bc	o	*	
	Sth Farnborough	1009.6	46	S	5	bc	1008.2	+2	48	+9	S	4	-	odm	*	0.1	51	38	b, o, bcm	bcm	bc, bdm	3.2	
Salisbury Plain	1007.9	46	S	2	b	1006.7	+2	49	+6	S	4	S	od	*	1	51	43	c, o, bc	c, bc	so, od	*		
London (Kew Obsy.)	1009.5	46	SW	2	b	1008.6	+1	47	+1	SE	2	-	o	*	Trace	50	44	b, bcm, bc	b, bc, by, b	b, bc, o	1.8		
FRANCE, &c.	Spitsbergen	999.1	36	S	1	o	997.1	+2	36	+2	S	5	-	v	*	36	32						
	Vardö	1016.3	32	S	4	o	1017.3	0	28	0	S	3	-	o	4	*	32	23					
	Gjesvær	1010.1	34	SE	3	b	1011.4	-1	27	-5	SE	2	-	b	3	-	34	25					
	Bodö	1009.2	39	E	2	b	1010.7	+1	39	0	E	2	-	b	2	-	41	32					
	Christiansund	1007.5	46	WSW	2	c	1010.9	+1	41	-4	NE	2	-	b	2	-	46	39					
	Skudesnaes	1007.9	46	SSE	4	c	1011.7	+1	46	0	SSE	5	-	o	4	-	46	45					
	Færder (X'ania Fjord)	1013.1	41	S	3	v	1015.1	+1	41	-2	ENE	2	-	o	1	2	43	41					
	The Scaw (Skagen)	1011.7	43	SE	4	m	1013.2	+1	41	-2	E	3	-	o	3	-	45	41					
	Blaavands Huk	1009.5	43	S	1	v	1011.8	+2	45	+2	NNW	1	-	m	*	4	45	39					
	Copenhagen	1013.0	43	SSE	3	o	1013.5	+2	41	+2	SE	3	-	o	4	4	43	39					
	Bornholm	1014.3	39	SSE	1	m	1013.6	+1	39	+2	ESE	1	-	o	0	-	39	34					
	The Helder	1010.6	46	SW	2	o	1012.3	+2	41	-7	SSE	2	-	f	1	2	48	39					
	C. Gris Nez	1011.5	48	WSW	3	b	1010.9	+2	41	-9	S	3	-	f	*	-	54	41					
	La Hève	1013.0	48	SSW	2	b	1011.1	0	46	-2	SE	3	-	c	*	-	54	43					
	Brest (St. Mathieu)	1005.6	54	S	6	o	1008.0	+5	52	0	WNW	3	-	bc	1	54	50						
	Rochefort (Ile d'Aix)	1013.0	50	S	3	b	1009.3	0	48	-2	S	4	-	o	*	-	57	48					
Biarritz						1010.3	+1	54	0	WSW	4	-	y	*	-	55	52						
IBERIA, &c.	Paris	1014.6	48	SSW	2	c	1012.4	+1	46	0	SE	1	-	o	*	-	50	39					
	Belfort						1015.4	*	43	+6	-	0	-	c	*	-	52	41					
	Lyons	1016.4	45	NW	1	b	1014.1	0	41	+2	NNE	1	-	f	*	Trace	52	34					
	Nice														*								
	Perpignan	1014.7	50	-	0	b	1010.1	0	41	-4	SW	1	-	b	*	-	61	41					
	Sanguinaire	1017.3	57	ENE	3	bc	1016.0	+1	55	-2	S	2	-	c	*	-	63	52					
	Corunna	1009.0	55	S	7	o	1017.1	+5	55	+5	NW	3	-	bc	4	16	57	50					
	Madrid														*								
	Lisbon																						
	Azores (Horta)														*								
	" (P. Delgada)	1026.4	*	NW	2	m	1024.4	+3	63	-1	SSW	5	-	o	4	-	66	57					
	Madeira														*								
	Gibraltar	1027.3	64	NW	3	bc	1027.4	*	61	+2	N	3	-	bc	3	-	70	59					
	MEDITERRANEAN.	Algiers																					
		Malta																					
		Salonica	1019.2	45	-	0	bc	1019.1	0	34	-4	SE	1	-	b	*	-	51	33				
Athens		1019.4	46	ENE	1	b	1019.7	+1	45	+4	E	1	-	b	1	-	54	43					
Candia		1019.3	52	N	1	b	1019.9	*	54	+4	NW	1	sw	o	1	-	55	50					
Limassol																							
Alexandria		1016.7	61	NW	5	bc	1014.0	+1	50	-2	WNW	2	-	b	1	-	59	50					
Cairo (Helwan)		1017.1	55	-	0	o	1019.0	+3	61	0	NW	3	w	c	3	1	66	59					
							1019.9	+4	55	+3	S	1	-	c	*	2	61	54					
			</																				

## 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	24.5-28.4
11	64-75	28.5-33.5
12	Above 76	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.

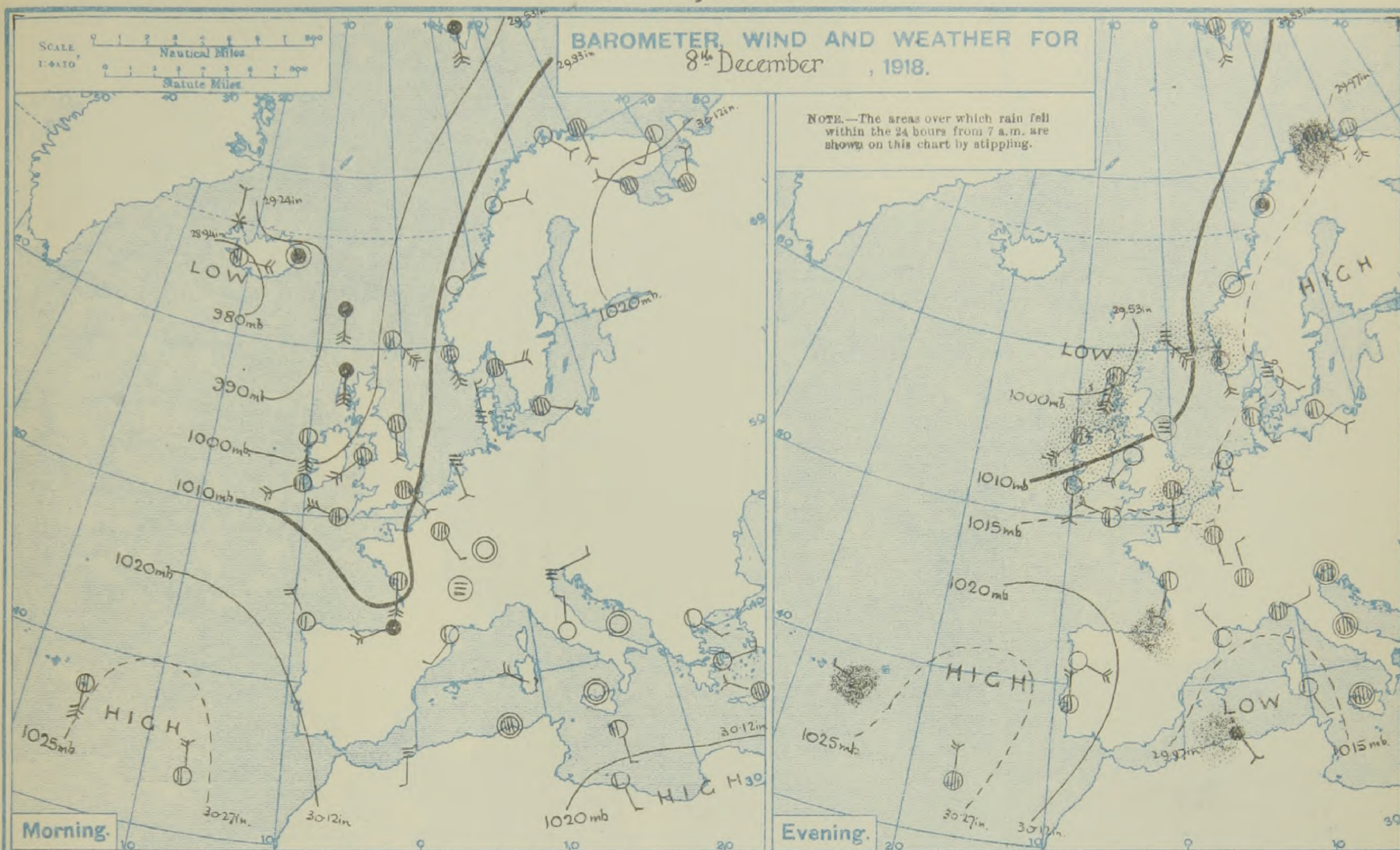


# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,836.

Monday, 9<sup>th</sup> December

1918.



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

STATIONS.		EVENING OF 7 <sup>TH</sup>					MORNING OF 8 <sup>TH</sup>										MORNING OF 9 <sup>TH</sup>							
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.	Weather.
RUSSIA.	Orlov ...	x	*F. x	x	x	x			*F. x	*F. x					*F. x	*F. x			*F. x	*F. x				
	Kem ...	x	x	x	x	x	1023.7	+1	27	-5	NNW	2	0	0.3	x	x	Isafjord ...	987.4	32	0	N	2	S	
	Archangel ...	x	x	x	x	x	1022.7	+2	10	-4	-	0	0	-	x	x	Reykjavik	978.0	41	+14	E	4	C	
	Mesen...	x	x	x	x	x	1022.4	*x	-4	-14	-	0	0	-	x	x	Vestmanna							
SWEDEN.	Haparanda ...							x						x	x	x								
	Hernösand ...							x						x	x	x								
	Stockholm ...							x						x	x	x								
	Wisby ...							x						x	x	x								
	Sordovalä ...							x						x	x	x								
ITALY.	Hangö ...							x						x	x	x								
	Venice ...	1017.7	39	-	0	f	1016.1	x	41	+7	ENE	1	f	-	48	34	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
	Turin ...	1018.1	39	-	0	c	1016.9	x	39	+5	-	0	0	-	45	34	9 <sup>TH</sup> 10 <sup>TH</sup> Dec. 1918.					Sunrise.	Noon.	Sunset
	Pesaro ...							x														G.M.T.	G.M.T.	G.M.T.
	Leghorn	1016.6	50	-	0	c	1015.4	x	54	+4	-	0	0	2	50	46	Yarmouth ...		7.53	11.45	3.28			
	Rome ...	1018.3	46	-	0	b	1017.5	x	43	+6	N	1	b	-	55	41	Greenwich ...		7.54	11.46	3.37			
	Viesti ...	1016.2	54	-	0	b	1017.4	x	48	0	-	0	b	-	54	41		7.55	11.52	3.50				
Brindisi							x										7.56	11.53	3.50					
Cagliari	1017.8	55	SE	2	m	1015.3	x	48	-6	NW	3	b	-	64	46	Wick		8.52	12.4	3.17				
Palermo	1018.9	50	-	0	b	1017.0	x	46	-2	-	0	b	-	63	41		8.53	12.5	3.17					
Tripoli	1022.2	52	SSW	1	bc	1020.2	x										8.59	12.23	4.28					

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

9 <sup>th</sup> 10 <sup>th</sup> Dec. 1918.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.53	11.45	3.28
Greenwich ...	7.54	11.46	3.37
Wick ...	7.55	11.52	3.50
Valencia ...	7.56	11.53	3.50
	8.52	12.4	3.17
	8.53	12.5	3.17
	8.59	12.53	4.28
	8.40	12.44	4.28

LONDON 9 <sup>th</sup> December 9 <sup>th</sup> G.M.T.	HUMIDITY.		Sun-shine for 8 <sup>th</sup>	TEMPERATURE.				Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass			Morning	Afternoon	Night
GREENWICH (Royal Observatory)	99	88	0.0	50	39	31	1	1	00.7	07.0	0.7m
CITY (Bunhill Row)	x	x	0.0	x	x	x	x	x	x	x	x
WESTMINSTER (St. James's Park)	100	97	0.0	52	40	32	1	x	x	x	x
" (Roof near Charing Cross)	97	94	0.0	52	41	x	1	0m	07.0	0.7m	x
CAMDEN SQ. (British Rainfall)	+	98	0.0	51	40	33	1	-	-	-	x
KENSINGTON PALACE	92	88	x	54	39	39	0.3	0	07.0	x	x

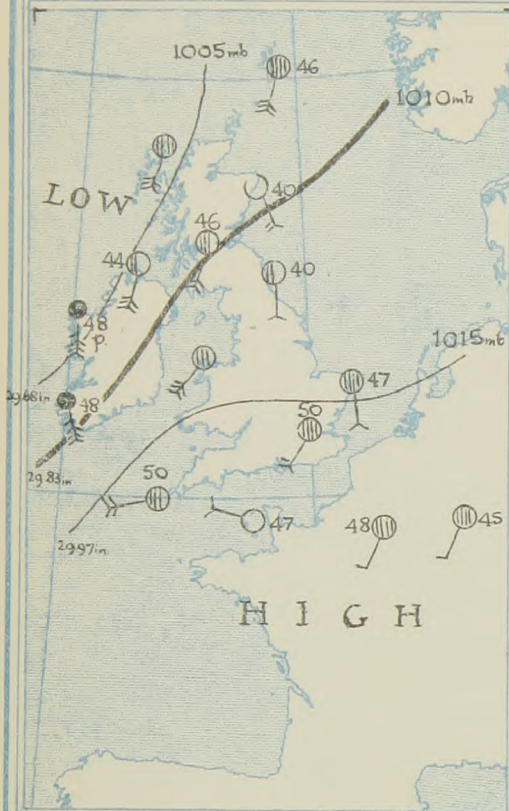
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 8 <sup>th</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
56	1.9	6



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

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



# EXPLANATION.

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

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

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

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

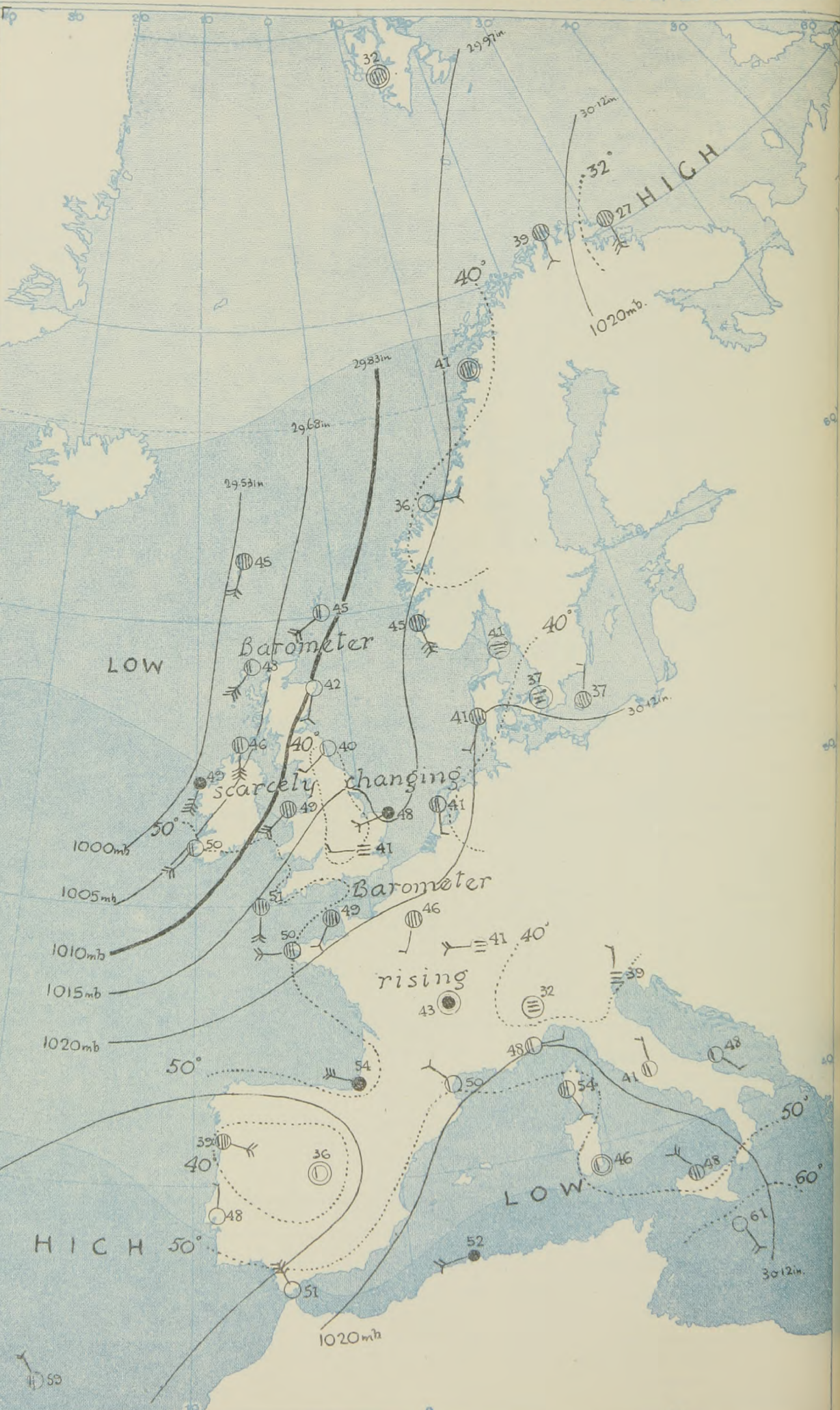
WEATHER.—Shown by the following symbols:—

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

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

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

⚡, thunderstorm. SEA DISTURBANCE.—Rough High



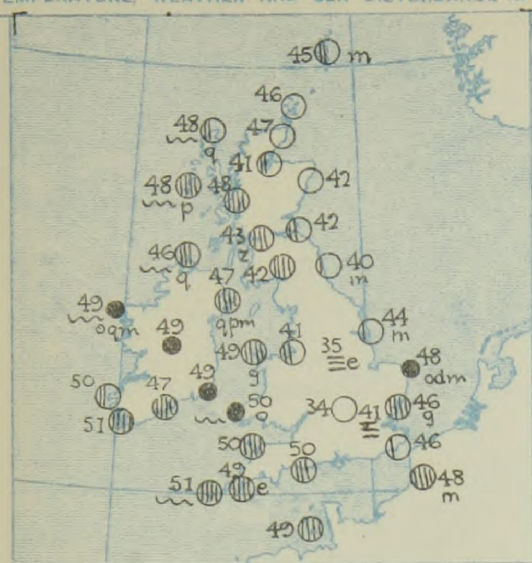
SCALE 1:250,000  
Nautical Miles  
Statute Miles

Normal Temperature of the Sea.

Below 40° 40°-50° 50°-60° Above 60°

Scale of Tints for DECEMBER.





## NOTES.

LERWICK Extreme SE gale 11h-8h L FOYLE Extreme S gale 6h-9h  
Gale 7h-18h 9h Gale 5h-7h 9h

AURORA observed during night at Deerness, Stromness,  
Aberdeen & Athelstaneford.

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

During the past 24 hours the weather over these Islands has been mainly cloudy or dull except in the west and south-west of England, where fair weather prevailed in the evening, and in Ireland, where the morning and afternoon were moderately fair. The largest amounts of bright sunshine were recorded at Falmouth (5.6 hours) and Scilly (5.2 hours). Small amounts of rain due to local showers were recorded in most parts of the country, but the maximum was only 5 mm. (0.2 inch) at Blacksod Point, the east and north-east were almost free from rain. Under the influence of the prevailing Southerly winds temperatures continued high, the maximum reaching 60° at Birr Castle; on the other hand the minima in south-east England fell to 33° at South Farnborough and Benson, which is somewhat lower than of late.

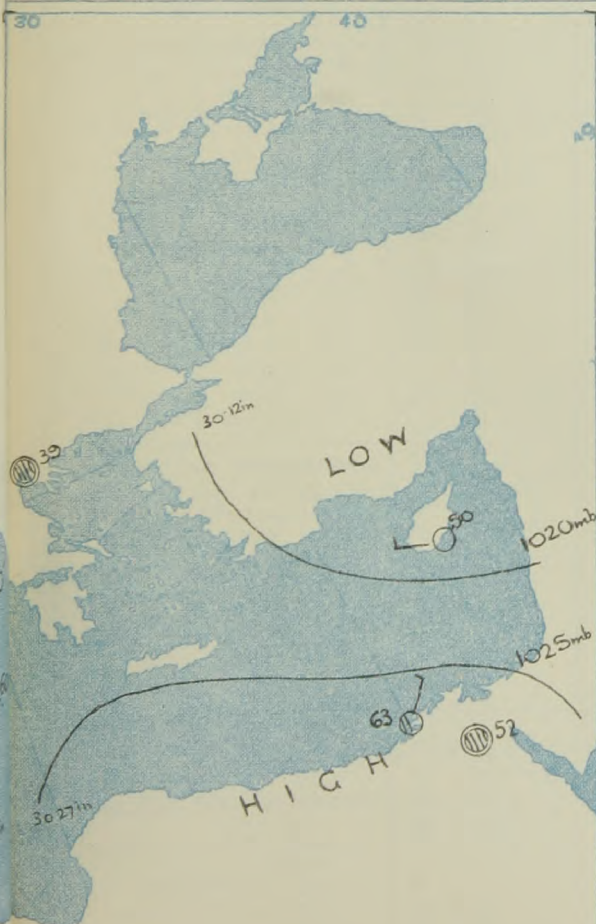
## The Conditions at 7h. Today

There is a large depression centred south of Iceland, with a shallow secondary over the North Sea. Pressure is high over the Baltic, Germany and the south of France.

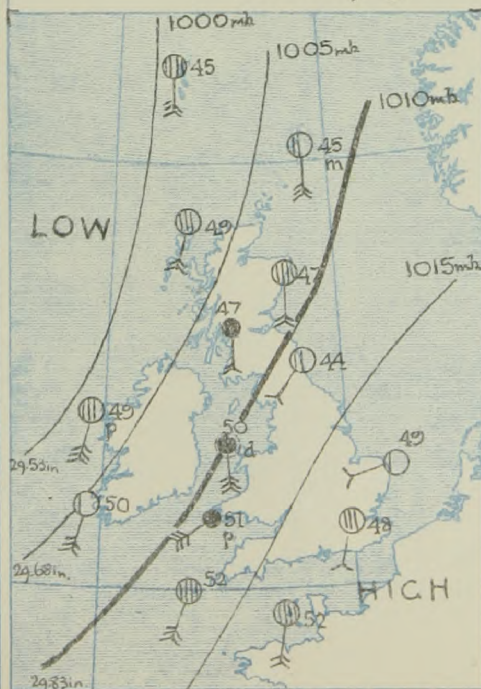
## The Outlook

The barometer over these Islands is changing little, and while pressure continues low over the Atlantic westwards and north-westwards of Ireland, little change is to be anticipated in the general south-westerly type of conditions at present prevailing.

H. J. H.

Monday, 9<sup>th</sup>

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



No important change has occurred since this morning.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 343

Monday  
9<sup>th</sup> December

STATIONS.	EVENING OF 8 <sup>TH</sup>					MORNING OF 9 <sup>TH</sup>										24 HOURS ENDED 7 <sup>TH</sup> 9 <sup>TH</sup>					Sun- shine for 8 <sup>TH</sup> Hours.	
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 9-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	10031	46	SE	8	f	10095	+2	45	0	SW	4	-	bcm	3	1	46	42	om	om	bcm	*
	Deerness (Orkney)	10030	47	SSE	4	b	10074	*	46	-2	SSE	4	-	b	4	-	49	44	oz	o.c.bcc	b.bcb	0.0
	Stornoway	9994	50	SSW	7	odpq	10033	-1	48	-3	SSW	6	-	bq	5	2	51	46	eq	c.odpq	bq	1.6
	Castlebay (Barra Isd.)	10021	50	W	5	bc	10028	0	48	-3	SSE	6	-	op	6	1	52	47	op.c.o	op.bc	op.bco	0.4
	Glasgow	10085	46	SSW	3	oz	10104	-1	43	-6	SSE	2	SW	oz	*	-	50	42	o.c.bq	bc.oz	c.b.bq	3.9
	Eskdalemuir	10101	44	SW	4	o	10120	-1	42	-4	S	3	-	o	*	2	48	41	odmoe	b.bco	o	1.1
	Malin Head	10045	48	S	4	bq	10026	+1	46	-2	SSE	5	S	eq	5	02	50	44	bq	bq	eq	2.5
	Blacksod Point	10062	48	SW	5	cmg	10014	+1	49	+1	S	7	-	omgr	5	5	51	44	bcm	cmg	omgpb	*
	Valencia (Cabiriveen)	10106	46	S	3	b	10060	+1	50	+2	SSW	4	-	bc	5	6	52	45	c.o.bc	bcb.b	cor.ac	2.8
	Roche's Point																					
	Birr Castle	10100	44	SSW	1	bc	10060	*	44	+1	SSW	1	-	r	*	1	60	40	e	c.bc	c.ozq	4.7
	Donaghadee	10088	45	SW	2	bm	10069	-1	47	-2	SSW	4	-	omgp	3	TRACE	50	40	bcm	bcm	bcmbr	*
	Liverpool (Bidston)	10115	46	W	1	bc	10135	0	41	-9	S	3	-	bc	1	-	51	40		bc	b.bce	0.8
	Holyhead	10115	48	SW	4	b	10116	-1	49	-3	SSW	5	-	og	4	TRACE	54	46	o.c.bcb	b	b.bcp	4.2
	Pembroke (St. Ann's)	10134	50	W	3	b	10139	-1	50	-1	SSW	5	-	ot	5	-	52	50	o.c.bc	bc	bc.o	3.2
	Hartland Quay	10149	51	W	3	b	10157	0	50	-1	S	5	-	o	4	2	53	46	odmoe	b.bcc.b	bo	*
	Scilly (St. Mary's)	10153	49	WNW	3	bc	10151	-1	51	+1	S	4	S	o	5	03	52	49	b	bc	c.o	5.2
	Falmouth	10154	49	WNW	3	bz	10160	-1	49	-1	SSW	4	-	oe	*	-	53	41	c.bcb	b.bq	bw.co	5.6
	Jersey (St. Aubin)	10153	52	W	3	o	10196	0	49	-1	SW	2	-	o	2	-	54	43	oe.o	o.c.oe	bw.o	0.0
	Portland Bill	10127	50	NW	3	b	10167	0	50	-2	WSW	3	-	c	4	-	53	49	cp	bc	bc.c	*
	Dungeness	10131	51	SSW	3	o	10171	+4	46	-2	WSW	3	-	b	3	0.4	52	45	c	c.o	or.c.e	*
Wick	10241	48	S	3	b	10074	0	47	-1	SSW	4	-	b	4	-	49	42	og.bcm	bcm	bcm	*	
Nairn	10037	45	-	0	bc	10071	*	41	-10	WSW	1	-	bc	1	-	53	37	bq	bc	bca	2.8	
Aberdeen	10068	47	SSW	3	b	10106	0	42	-6	SSW	2	-	b	2	-	49	41	om	o.bc.b	b	0.0	
Leith	10074	46	SSW	2	b	10106	0	42	-8	SW	1	-	bc	2	-	53	42	o.c.bc	c.bc.b	bcb.b	*	
Tynemouth	10096	45	-	0	f	10128	0	40	-4	SW	1	-	bm	2	-	49	39	om	cm	bcm.br	*	
Spurn Head	10113	48	S	2	o	10152	+1	44	-1	WNW	1	-	bm	3	1	48	42	o	o	bc.em	0.0	
Yarmouth (Gorleston)	10130	46	S	3	omd	10145	0	48	+5	WSW	2	-	omd	2	1	48	42	bcm	bcm	omd	1.4	
Clacton-on-Sea	10133	49	SSE	3	cm	10166	+3	46	-1	W	3	-	og	2	1	49	46	c.bc	bc.omd	omg	0.2	
Nottingham	10117	50	SW	1	od	10162	*	35	-13	-	0	-	fe	*	03	51	35	c.opm	omd	d.o.c	0.0	
Beñson (Oxon.)	10121	50	S	2	o	10171	+2	34	-14	-	0	-	b	*	1	51	33	o	om	or.bx	*	
Sth Farnborough	10125	50	S	2	om	10183	+2	33	-15	S	1	-	fe	*	1	51	33	d.om	od.om	or.obf	0.0	
Salisbury Plain	10129	50	W	3	o	10191	+2	33	-16	SE	2	SW	cm	*	04	52	33	od.o	or.c.od	bm	-	
London (Kew Obs.)	10130	51	S	2	o	10182	+2	41	-6	W	1	-	s	*	1	51	40	om.omd	omd.o	om.o	0.0	
NORTHERN EUROPE.	Spitsbergen	10061	34	S	4	o	10114	+4	32	-4	-	0	*	o	*	36	28					
	Vardø	10176	27	S	5	o	10211	+1	27	-1	S	5	-	o	3	28	27					
	Gjesvær	10130	37	SE	2	c	10168	*	39	+12	S	2	-	o	4	39	27					
	Bodø	10157	39	-	0	r	10162	0	41	+2	-	0	-	o	1	41	36					
	Christiansund	10140	41	-	0	b	10146	0	36	-5	E	2	-	b	2	41	34					
	Skudesnaes	10144	45	SSE	4	c	10153	0	45	-1	SSE	6	-	o	4	2	46	43				
	Færder (Xtaniafjord)	10176	41	ENE	1	o	10180	-1	41	0	S	1	-	o	0	41	39					
	The Scaw (Skagen)	10166	43	SE	1	m	10179	+1	41	0	-	0	-	m	0	-	43	41				
	Blaavands Huk	10172	43	SSE	1	c	10200	0	41	-4	SSW	1	-	o	*	-	46	36				
	Copenhagen	10171	41	ESE	2	c	10197	0	37	-4	-	0	-	m	*	-	41	36				
Bornholm	10159	37	SE	2	m	10191	+1	37	-2	NNE	1	-	o	0	-	39	36					
FRANCE, &c.	The Helder	10151	39	SSE	1	b	10171	0	41	0	S	1	-	c	0	TRACE	48	36				
	C. Gris Nez	10136	48	SSW	2	b	10183	+4	48	+7	W	4	*	bc	*	-	48	41				
	La Hève	10149	48	S	3	o	10206	+4	46	0	WSW	3	*	b	*	-	52	45				
	Brest (St. Mathieu)	10176	52	NW	3	c	10198	0	50	-2	W	4	*	c	*	-	54	50				
	Rochefort (le d'Aix)	10162	52	SSW	2	c							*		*	-						
	Biarritz	10157	55	SW	4	r	10227	+2	54	0	WNW	5	*	r	*	20	55	46				
	Paris	10160	48	SSE	1	o	10204	+2	46	0	SSW	1	*	o	*	1	52	46				
	Belfort	10175	43	E	3	c	10223	*	41	-2	W	3	*	f	*	-	46	36				
	Lyons	10170	45	-	0	o	10224	+2	43	+2	-	0	*	r	*	TRACE	48	43				
	Nice	10159	52	ENE	1	o	10200	+2	48	?	E	1	*	bc	*	-	57	48				
Perpignan	10146	54	NW	2	b	10206	+3	50	+9	NW	2	*	b	*	-	59	50					
Sanguinaire	10144	54	S	2	b	10163	0	54	-1	SE	2	*	c	*	-	63	52					
IBERIA, &c.	Corunna																					
	Madrid	10167	-	NNE	?	?	10248	+4	36	?	-	0	-	b	*	-	50	36				
	Lisbon	10242	54	N	3	c	10263	+1	48	?	N	1	-	b	7	-	57	48				
	Azores (Horta)		*										*		*	-						
	" (P. Delgada)		*				10226	-1	64	+3	SW	4	*	c	4	3	68	61				
MEDITERRANEAN.	Madeira	10280	66	N	3	o	10290	0	59	-2	NW	3	-	bc	3	-	70	59				
	Gibraltar	10213	53	NW	5	b	10240	*	51	?	NW	6	*	b	3	-	59	50				
	Algiers	10117	54	SE	2	r	10154	+1	52	?	WSW	3	-	r	2	12	63	48				
	Malta		*	*	*	*	10164	+1	61	+4	SE	3	-	b	1	-	64	55				
	Salonica	10202	42	SW	1	b	10227	+2	39	+5	-	0	-	o	*	-	52	34				
Athens																						
Candia																						
Limassol		*	*	*	*	10168	+1	50	0	WNW	1	-	b	0	-	61	46					
Alexandria	10217	63	NW	2	b	10260	+3	63	+1	NNE	1	NW	bc	2	-	68	59					
Cairo (Helwan)	10217	61	-	0	o	10260	+4	52	-3	-	0	-	o	*	-	66	52					

## THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-8.3
3	8-12	3.4-5.4
4	13-18	5.6-7.9
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

## BEAUFORT NOTATION.

b blue sky (not more than a quarter covered).  
bc sky partly cloudy (one half



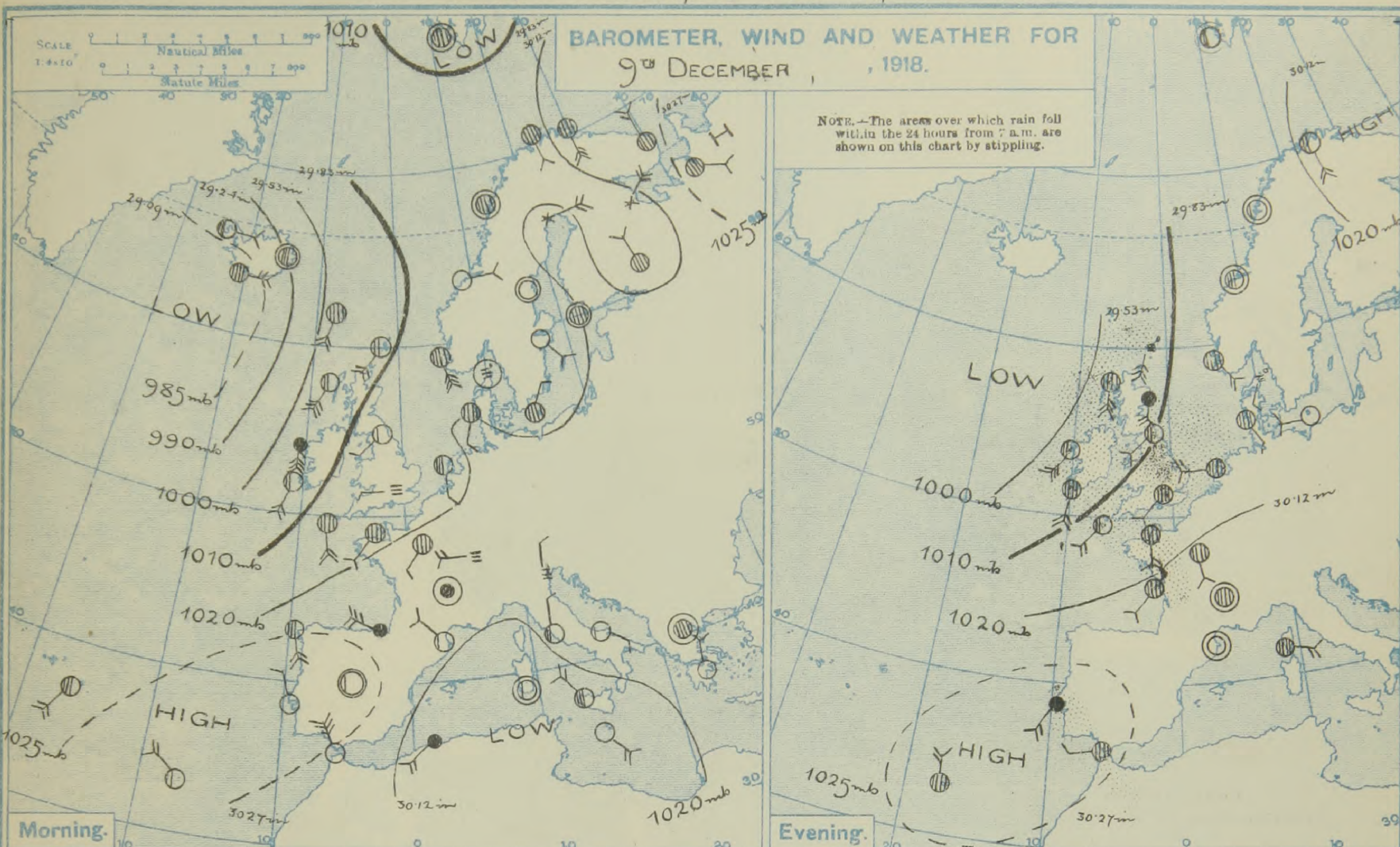
# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No.20,837.

TUESDAY, 10<sup>TH</sup> DECEMBER, 1918.

## BAROMETER, WIND AND WEATHER FOR 9<sup>TH</sup> DECEMBER, 1918.

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



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 9<sup>TH</sup> NOVEMBER.

STATIONS.		EVENING OF 8 <sup>TH</sup>					MORNING OF 9 <sup>TH</sup>										MORNING OF 9 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP. ° F.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours.	Dirac.	Force 0-12.		Max.	Min.			Dry Bulb. ° F.	Change in 24 hours.	Dirac.	Force 0-12.		
RUSSIA.	Orlov ...	x	x	x	x	x	?	?	23	?	NE	4	0	-	x	x	Isafjord ...	985.9	39	+7	E	2	C
	Kem ...	x	x	x	x	x	1021.6		25	-2	NE	4	S	-	x	x							
	Archangel ...	x	x	x	x	x	1023.5	+3	7	-3	ENE	2	0	-	x	x							
	Mesen...	x	x	x	x	x	1027.0		7	+11	ESE	2	0	-	x	x							
SWEDEN.	Haparanda ...						1022.9	x	16	?	ENE	4	S	x	x	x	Seydisfjord	991.9	43	+4	-	0	C
	Hernösand ...						1017.6	x	34	?	-	0	b	x	x	x							
	Stockholm ...						1017.9	x	36	?	SE	2	b	x	x	x							
	Wishy ...						1018.4	x	34	?	SW	2	c	x	x	x							
	Sordovala ...						1015.8	x	21	?	NNW	2	0	x	x	x							
	Hangö ...						1020.0	x	21	?	-	0	0	x	x	x							
ITALY.	Venice ...	1018.3	47	-	0	0	1021.1	x	39	-2	N	1	f	-	46	39	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Turin ...	1018.6	39	-	0	b	1023.0	x	32	-7	-	0	f	-	45	32	10 <sup>TH</sup> AND 11 <sup>TH</sup> 1918.		Sunrise.	Noon.	Sunset		
	Pesaro ...							x										G.M.T.	G.M.T.	G.M.T.			
	Leghorn ...							x															
	Rome ...	1017.9	52	-	0	0	1020.3	x	41	-2	N	1	b	-	57	41	Yarmouth ...		7.54	11.46	3.37		
	Viesti ...	1018.6	50	W	1	b	1021.3	x	48	0	SE	1	b	-	54	43	Greenwich ...		7.56	11.46	3.37		
	Brindisi ...							x										7.56	11.53	3.50			
	Cagliari ...	1013.8	57	SE	1	b	1017.4	x	46	-2	-	0	b	-	64	43		7.57	11.53	3.49			
	Palermo ...	1016.2	54	-	0	0	1015.6	x	48	+2	NW	3	c	8	64	46	Wick ...		8.53	12.5	3.17		
	Tripoli ...							x										8.54	12.5	3.16			
																		8.40	12.34	4.23			
																		8.41	12.34	4.22			

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

10 <sup>TH</sup> AND 11 <sup>TH</sup> 1918.	Sunrise.		Noon.		Sunset.	
	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.54	11.46	3.37			
Greenwich ...	7.56	11.46	3.37			
Wick ...	7.56	11.53	3.50			
Valencia ...	7.57	11.53	3.49			
	8.53	12.5	3.17			
	8.54	12.5	3.16			
	8.40	12.34	4.28			
	8.41	12.34	4.27			

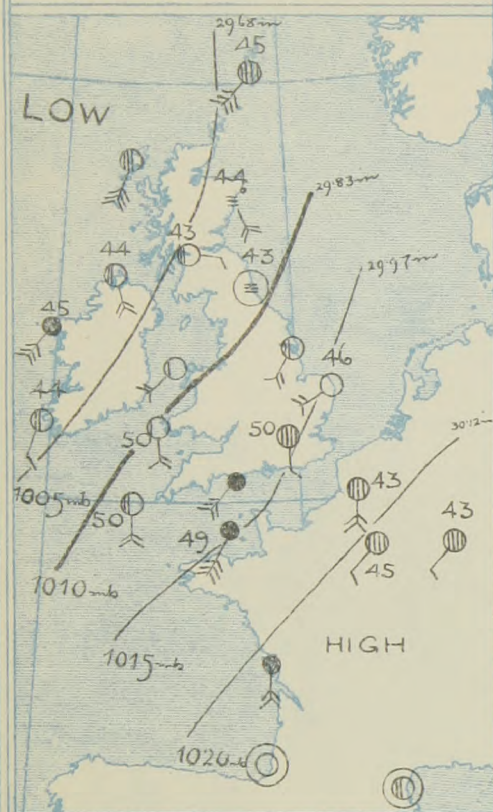
LONDON	Humidity.		Sun-shine for	TEMPERATURE.				WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass	Rain-fall.	Morning.	Afternoon.	Night.
10 <sup>TH</sup> NOVEMBER 9h. G.M.T.	9 <sup>TH</sup>	10 <sup>TH</sup>	9 <sup>TH</sup>	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	88	96	1.7	50	40	42	5	C	OR	a
CITY (Punhill Row)	x	x	0.0	x	x	x	x	x	x	x
WESTMINSTER (St. James's Park)	86	97	0.3	51	40	36	4.4	x	x	x
(Roof near Charing Cross)	88	98	0.0	51	41	x	4.3	bcm	cm.0	od.orm
CAMDEN SQ. (British Rainfall)	84	93	0.0	50	40	42	3	m.c	C	x
KENSINGTON PALACE	85	97	x	50	40?	40?	3.6	bc	0	x

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

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 9 <sup>TH</sup> ...		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
231	8.1	18



THE MORNING OF TUESDAY, 10<sup>TH</sup> DECEMBER 1918, at 7h. G.M.T.



EXPLANATION.

BAROMETER - Isobars are drawn for intervals of five millibars.

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

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

WEATHER.—Shown by the following symbols:—

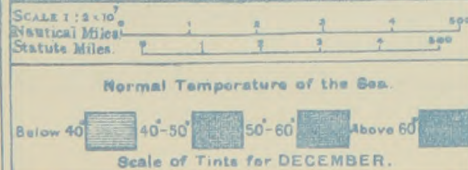
○ clear sky.      ⊙ sky  $\frac{1}{2}$  clouded.      ⊕ sky  $\frac{1}{2}$  clouded.

☉ sky ½ cloudy. ☉ overcast sky. ☉ rain falling.

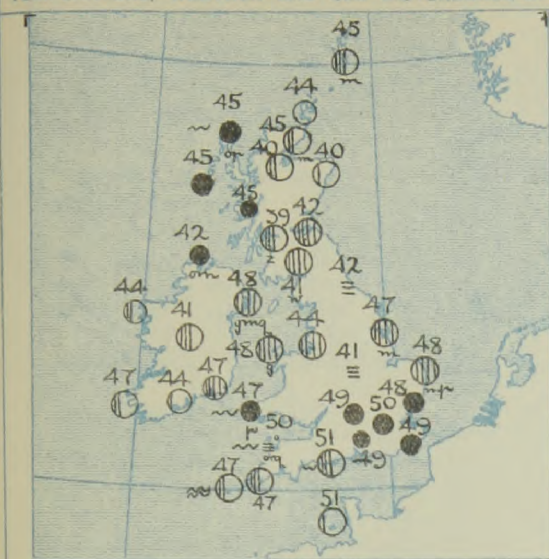
\*snow. ▲ hail. ≡ fog. ≡<sup>c</sup> mist. T, thunder.

SEA DISTURBANCE - Rough  High 

SEA DISTURBANCE. - Rough wavy. 11/22/50







## NOTES.

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

During the past 24 hours the weather over the whole country has been fair or cloudy with occasional showers (except in the north-east), becoming rainy at night in the south. The largest fall was 14 mm. at Valencia. During the afternoon there was a thunderstorm and heavy hail squall at Blacksod Point. Little bright sunshine was recorded, the maximum being 3.5 hours at Clacton. Temperatures were again above the normal, the highest maximum being 53° at Birr Castle and Scilly.

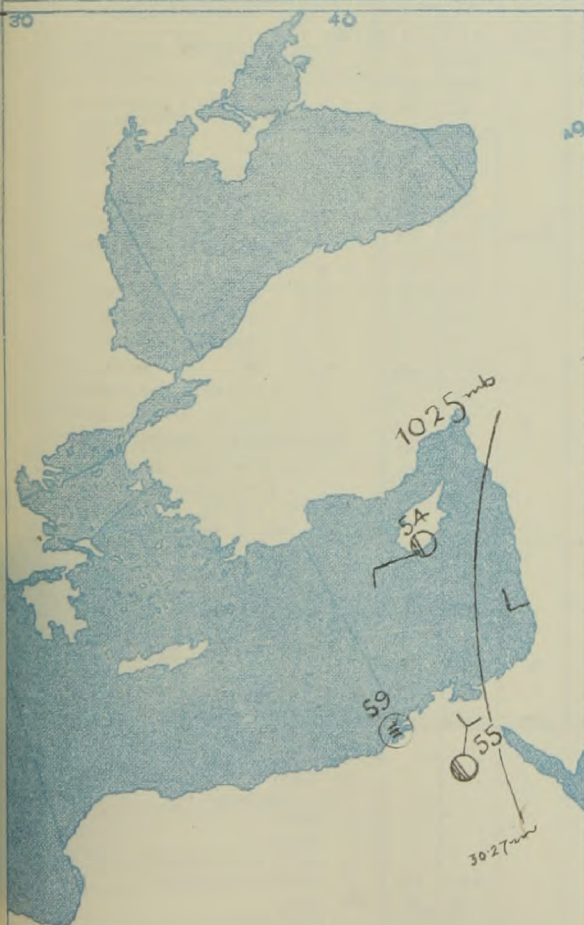
## The Conditions at 7h. Today

There is a depression centred south of Iceland, with a V-shaped secondary extending across the north of Ireland, Wales and the south of England. There appears to be another secondary over the south of Sweden, and pressure is relatively high over Denmark. There is an area of high pressure between the Azores and Portugal.

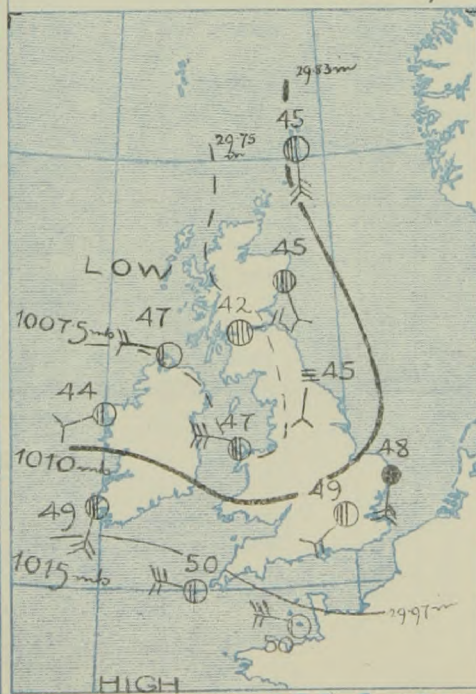
## The Outlook

The barometer is falling along a line from the Irish Sea to Holland, and it is rising in the south-west of these Islands, so that the V-shaped secondary is moving eastward or north-eastward, and in its rear the winds will veer and the weather improve. Over Scotland and Scandinavia the changes are slight, the primary depression south of Iceland appearing to be maintaining its position with little change.

H.H.



TUESDAY, 10 DECEMBER, 1918, at 13h. (1p.m.) G.M.T.



The secondary depression is moving north-eastwards and now lies over the Irish Sea and the North of England.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 344

Tuesday  
10<sup>th</sup> December

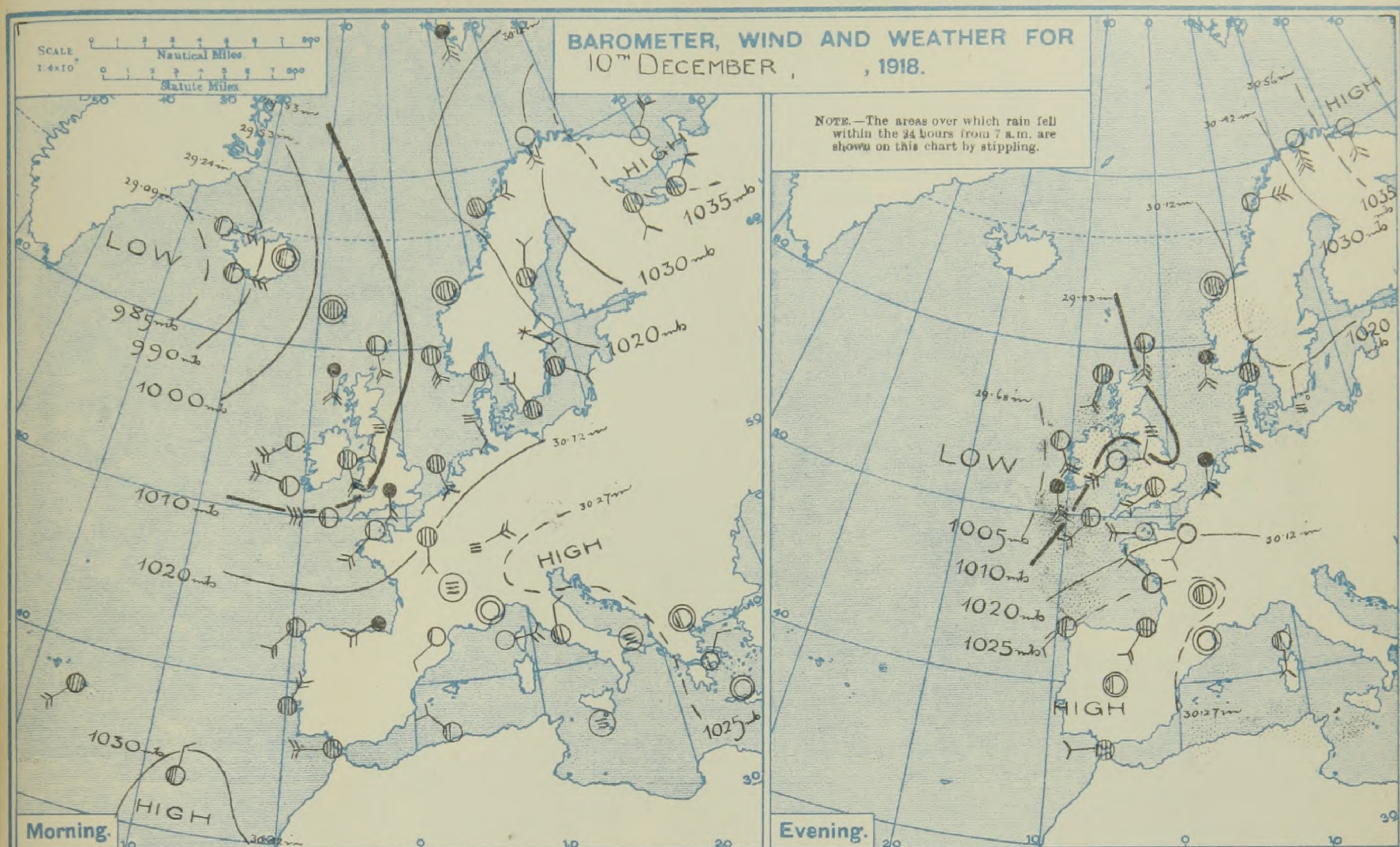
STATIONS		EVENING OF 9 <sup>TH</sup>					MORNING OF 10 <sup>TH</sup>										24 HOURS ENDED 7 <sup>TH</sup> 10 <sup>TH</sup>					Sun- shine for 9 <sup>TH</sup> Hours.
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 8 hours.	TEMP. Dry Bulb.	Change in 24 hours.	WIND.		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	1008.4	45	SSW	6	bcm	1007.2	+1	45	0	S	4	-	cm	3	1	46	42	bcm	bcm	om	*
	Deerness (Orkney)	1005.1	46	SSE	4	b	1006.8	*	44	-2	S	3	-	b	4	-	47	43	b.b.c	c.b.c	b.c.c	2.1
	Stornoway	1001.3	49	SSW	5	opq	1003.9	+1	45	-3	S	4	-	op	5	2	49	44	bc	bc.opq	c.op	0.0
	Castlebay (Barra Isd.)	1006.7	50	SSW	5	o	1003.5	+1	45	-3	SSW	2	-	a	3	4	50	43	op.o	o	b.b.c	0.0
	Glasgow	1006.8	46	S	3	b3	1007.6	0	39	-4	ENE	2	-	cg	3	48	38	a.c.c	op.c.b3	b.b.c	0.0	
	Eskdalemuir	1008.5	46	S	4	om	1008.7	-1	41	-1	-	0	-	ow	3	46	40	a.c.c	om.om	om.ow	0.0	
	Malin Head	1002.5	48	SSW	4	omqr	1002.4	+1	42	-4	S	3	-	omr	3	4	50	42	bcg	bcg	omr	1.8
	Blacksod Point	1000.4	47	SSW	7	bcg	1004.5	+3	44	-5	WSW	4	SW	bc	4	7	50	42	bcg	bcg	omr	2.3
	Valencia (Cabiriveen)	1006.8	50	SSW	4	o	1009.0	+5	47	-3	WNW	4	-	bc	4	14	52	43	bc.c	b.b.c	om.c	*
	Roche's Point	1006.0	45	S	1	c	1006.3	*	41	-3	SW	1	-	c	12	53	41	omr	cb	cb	3.2	
	Birr Castle	1004.1	43	SW	4	bcmg	1005.3	-2	48	+1	S	4	-	omg	3	1	50	42	omr	omr.bc	bcm	*
	Donaghadee	1004.2	46	SE	3	o	1007.5	-4	44	+3	SE	4	-	o	3	1	47	40	op.o	cb	b.c.c	0.1
	Holyhead	1008.8	50	SW	4	b	1004.7	-4	48	-1	S	5	-	og	4	2	52	47	op.d	op.d.c	b.b.c	0.0
	Pembroke (St. Ann's)	1011.5	51	SSW	2	b	1006.1	+2	47	-3	W	3	-	op	5	2	52	46	omr	omr	b.c.c	0.0
	Hartland Quay	1013.0	52	SW	4	bc	1008.4	-4	50	0	SW	7	-	omg	5	7	52	47	omr	omr	b.c.c	*
NORTHERN EUROPE.	Scilly (St. Mary's)	1012.0	51	WSW	3	bc	1010.3	+2	47	-4	W	6	W	bc	7	6	53	47	omr	omr.bc	b.c.c	0.0
	Falmouth	1012.6	49	SW	3	bm	1010.0	0	47	-2	W	4	-	c	12	51	46	r.rq	rq.omb	c.b.c	0.0	
	Jersey (St. Aubin)	1018.4	51	S	3	o	1013.9	-1	51	+2	SW	4	SW	b	3	8	52	48	o.b.c	o	o.b.c	0.1
	Portland Bill	1015.1	50	SSW	5	or	1010.9	-1	51	+1	SSW	5	SW	c	5	9	52	49	cb	or	bc	*
	Dungeness	1017.6	50	WSW	3	b	1013.8	-2	49	+3	SSW	4	SW	t	4	1	51	42	bc	c.c	c.c	*
	Wick	1004.8	47	SSW	5	cm	1006.2	+2	45	-2	SSW	2	-	bcm	3	-	46	42	bcmg	omg	cm	0.5
	Nairn	1003.7	47	SSW	1	cg	1006.0	*	40	-1	-	0	-	bc	1	-	49	34	bc.c	cg	c.b.c	0.7
	Aberdeen	1008.0	46	S	3	or	1008.6	+1	40	-2	SSW	2	-	b	2	1	48	39	bo	or	c.c.c	*
	Leith	1007.0	48	SW	2	bc	1007.2	0	42	0	SE	1	-	om	1	TRACE	50	41	b.c.c	c.c.c	b.c.c	*
	Tynemouth	1010.0	43	SW	2	bcm	1009.7	0	42	+2	SW	2	-	f	2	-	46	38	bcm	bcm	f	*
	Spurn Head	1014.4	45	SSW	3	cm	1011.8	-1	47	+3	S	3	-	om	4	1	47	40	cm	cm	b.c.c	0.9
	Yarmouth (Gorleston)	1016.3	48	WNW	2	b	1013.8	-2	48	0	SSW	4	-	omp	3	2	50	42	bcm.bm	bm	bcm	3.3
	Clacton-on-Sea	1017.6	48	S	3	c	1013.9	-2	48	+2	S	4	-	ogr	3	3	48	42	ogr.bcf	ofc	c.ogr	3.5
	Nottingham	1013.4	48	S	2	o	1010.4	*	41	+6	S	1	-	fe	*	0.2	50	35	fo	op	o.c	0.1
	Benson (Oxon.)	1015.0	49	SSW	3	o	1009.8	-4	49	+15	S	3	-	t	*	3	50	33	c	bc	odt	*
St. Farnborough	1016.0	49	SSE	3	om	1011.8	-3	49	+16	S	5	-	orm	*	6	50	33	fo.c.c	c.od.om	om.orm	0.8	
Salisbury Plain	1016.5	49	SW	4	or	1011.8	-4	47	+14	SSW	2	S	o	*	4	50	33	orm	or	od.o.c	*	
London (Kew Obs.)	1016.4	49	SSW	2	o	1012.0	-3	50	+9	S	3	-	omr	*	3	50	38	fc	c.om.o	omr.omr	0.3	
FRANCE, &c.	Spitsbergen	1014.4	32	-	0	bc	1012.8	0	37	+5	S	5	*	r	*	37	30	*	*	*	*	
	Vardo	3	28	S	3	o	?	+3	27	0	S	5	-	o	3	*	28	27	*	*	*	*
	Gjesvær	1020.6	34	S	4	bc	1026.3	*	23	-16	S	4	-	b	2	-	39	23	*	*	*	*
	Bodö	1016.7	41	-	0	b	1020.4	+3	36	-5	E	4	-	o	2	?	41	32	*	*	*	*
	Christiansund	1014.0	41	-	0	c	1014.4	0	43	+7	-	0	-	o	2	-	41	36	*	*	*	*
	Skudenes	1013.7	46	SE	4	o	1013.1	-1	46	+1	SSE	5	-	o	4	1	46	43	*	*	*	*
	Færder (Xtania Fjord)	1016.8	41	WSW	2	f	1015.9	+2	37	-4	NNW	3	-	o	1	-	41	36	*	*	*	*
	The Scaw (Skagen)	1017.0	43	SW	1	m	1015.5	0	39	-2	SW	1	-	o	0	-	43	39	*	*	*	*
	Blaavands Fink	1017.2	39	SE	1	o	1016.4	0	41	0	SSE	1	-	f	*	1	43	36	*	*	*	*
	Copenhagen	1018.6	39	NNW	1	o	1017.9	+1	37	0	-	0	-	f	*	1	41	36	*	*	*	*
	Bornholm	1018.3	37	W	2	b	1017.0	0	39	+2	NNW	2	-	o	0	-	39	34	*	*	*	*
	The Helder	1017.0	46	W	2	o	1016.3	-1	41	0	SSE	3	-	o	1	TRACE	46	37	*	*	*	*
	C. Gris Nez	1018.3	48	WSW	4	o	1015.4	-2	47	-1	SW	5	*	r	*	-	52	45	*	*	*	*
	La Hève	1020.3	46	SW	3	c	1016.0	-3	48	+2	SW	5	*	r	*	1	52	46	*	*	*	*
	Brest (St. Mathieu)	1016.0	52	SSW	5	f	1018.9	0	52	+2	W	5	*	c	*	7	54	50	*	*	*	*
Rochefort (Ile d'Aix)	1022.7	50	SW	2	o	1020.0	0	43	?	S	5	*	r	*	4	55	45	*	*	*	*	
Biarritz	1022.4	50	SW	2	o	1022.4	-2	52	-2	WSW	4	*	r	*	1	57	46	*	*	*	*	
IBERIA, &c.	Paris	1021.7	41	SSE	2	o	1020.0	-1	46	0	S	2	*	o	*	-	52	43	*	*	*	*
	Belfort	1022.6	*	*	*	o	1022.6	*	43	+2	ENE	4	*	f	*	2	45	43	*	*	*	*
	Lyons	1024.2	46	-	0	o	1023.5	0	41	-2	-	0	*	f	*	-	54	41	*	*	*	*
	Nice	1021.0	52	S	1	c	1022.7	0	50	+2	-	0	*	c	*	-	57	46	*	*	*	*
	Perpignan	1022.6	34	-	0	b	1022.3	0	41	-9	SW	1	*	b	*	-	57	39	*	*	*	*
	Sanguinaire	1011.9	55	E	2	o	1021.5	+3	54	0	E	3	*	b	*	-	?	?	*	*	*	*
	Cormina	1021.3	54	SW	6	o	1025.7	+3	54	?	SW	3	-	o	5	1	55	52	*	*	*	*
	Madrid	1025.9	55	SW	3	r	1026.9	+5	50	+2	NNE	4	*	o	*	8	57	48	*	*	*	*
	Lisbon	1025.9	55	SW	3	r	1026.9	+5	50	+2	NNE	4	*	o	*	8	57	48	*	*	*	*
	Azores (Horta)	1025.9	55	SW	3	r	1026.9	+5	50	+2	NNE	4	*	o	*	8	57	48	*	*	*	*
	„ (P. Delgada)	1025.9	55	SW	3	r	1026.9	+5	50	+2	NNE	4	*	o	*	8	57	48	*	*	*	*
	Madeira	1029.1	63	N	3	o	1030.3	+1	57	-2	N	1	-	c	2	-	66	57	*	*	*	*
	Gibraltar	1027.1	53	W	1	o	1027.7	*	55	+4	W	4	*	o	3	-	63	49	*	*	*	*
	MEDITERRANEAN.																					



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,838.

WEDNESDAY, 11<sup>TH</sup> DECEMBER, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 10<sup>TH</sup> NOVEMBER.

STATIONS.		EVENING OF 9 <sup>TH</sup>					MORNING OF 10 <sup>TH</sup>										MORNING OF 10 <sup>TH</sup>																				
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.															
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.														
RUSSIA.	Orlov ...	×	°F. ×	×	×	×	1031.9	?	°F. 27	°F. +4	-	0	0	-	°F. ×	°F. ×	Isafjord ...	1087.9	°F. 45	°F. +6	E	4	bc														
	Kem ...	×	×	×	×	×	1034.1	+3	18	-7	S	2	0	1	×	×								Reykjavik ...	1085.9	41	-2	E	6	c							
	Archangel ...	×	×	×	×	×	1034.9	+2	18	+11	NW	2	0	-	×	×															Vestmanna ...	996.6	45	+2	-	0	c
	Mesen ...	×	×	×	×	×	1036.6	?	12	+5	-	0	0	-	×	×																					
SWEDEN.	Haparanda ...						1033.5	×	36	+20	ENE	2	b	×	×	×	Thorshavn ...	1000.9	41	-4	-	0	0														
	Hernösand ...						1023.7	×	28	-6	NNE	2	0	×	×	×																					
	Stockholm ...						1019.0	×	32	-4	ESE	2	0	×	×	×																					
	Wisby ...						1015.8	×	43	+9	ESE	2	0	×	×	×																					
	Sordevala ...						1027.4	×	12	-9	E	2	0	×	×	×																					
Hangö ...						1021.5	×	18	-3	E	2	bc	×	×	×	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																					
ITALY.	Venice ...						1025.7	×	34	+2	-	0	0	-	36	30	11 <sup>TH</sup> & 12 <sup>TH</sup> 1918.		Sunrise.		Noon.		Sunset														
	Turin ...							×											G.M.T.		G.M.T.		G.M.T.														
	Pesaro ...							×											7.56		11.46		3.37														
	Leghorn ...						1023.9	×	52	?	SE	1	c	-	65	48			7.57		11.47		3.36														
	Rome ...						1023.9	×	41	0	N	1	c	-	57	41			7.57		11.53		3.49														
	Viesti ...							×												7.58		11.54		3.49													
	Brindisi ...						1023.5	×	55	?	-	0	f	-	64	54			8.54		12.5		3.16														
	Cagliari ...						1021.9	×	46	0	NNW	3	b	-	64	53			8.55		12.6		3.16														
	Palermo ...						1022.3	×	48	0	S	1	f	-	68	45			8.41		12.34		4.27														
	Tripoli ...							×												8.42		12.35		4.27													

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

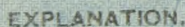
11 <sup>TH</sup> & 12 <sup>TH</sup> 1918.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.56	11.46	3.37
Greenwich ...	7.57	11.47	3.36
Wick ...	7.58	11.54	3.49
Valencia ...	8.54	12.5	3.16
	8.55	12.6	3.16
	8.41	12.34	4.27
	8.42	12.35	4.27



LONDON		Humidity.		Sun- shine for	24 HOURS ENDED 9 h. 11 <sup>TH</sup>				SOUTH KENSINGTON (M.O.)					
		15 h.	9 h.		TEMPERATURE.			Rain- fall.				WEATHER.		
11 <sup>TH</sup> NOVEMBER 9h. G.M.T.		10 <sup>TH</sup>	11 <sup>TH</sup>	10 <sup>TH</sup>	Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.	Vertical Component of Solar Radiation per square Centimetre during 10 <sup>TH</sup>		
		%	%	Hours.	° F.	° F.	° F.	mm.				Total.	Average Rate.	Max. Rate.
GREENWICH (Royal Observatory)		85	95	0.8	51	40	34	6	op	op	0			
CITY (Bunhill Row)		*	*	0.2	*	*	*	*	*	*	*			
WESTMINSTER (St. James's Park)		87	93	0.8	53	41	33	7	*	*	*			
" (Roof near Charing Cross)		81	97	0.8	53	42	*	7	otm.bc	opq.bc	dc.ora.bcm			
CAMDEN SQ. (British Rainfall)		86	94	0.2	52	40	34	10	o.or	or.c	*			
KENSINGTON PALACE		92	93	*	53	40	31	9	or.cpq	c	*			
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.														

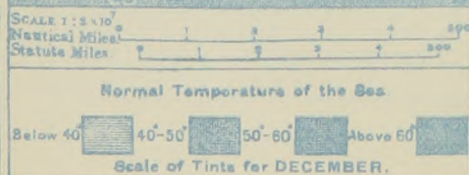
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.



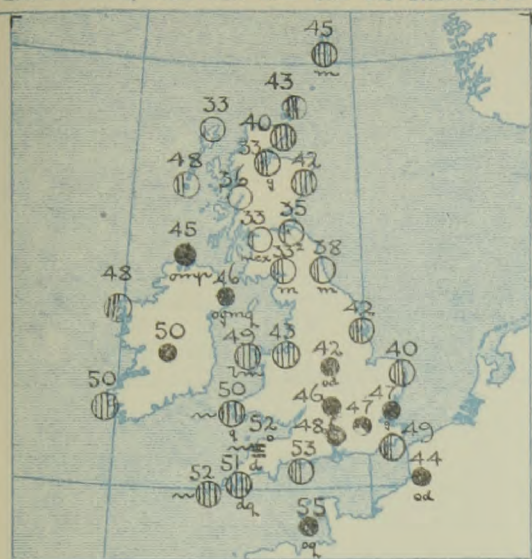
THE MORNING OF WEDNESDAY, DECEMBER 1918, at 7h. G.M.T.



SEA DISTURBANCE.—Rough  High 







## NOTES.

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

The weather yesterday was mainly cloudy or dull with showers and fair intervals, but fair generally in south-west England, where Falmouth received six hours of bright sunshine. Weather became dull generally during the night, except in the west of Scotland, with rain in most parts of the country. Some rain was recorded yesterday at all stations save Wick and Tynemouth, 24 mm. at Valencia. Under the influence of the continuing South-Westerly or Westerly winds the weather remained mild, and the temperature nowhere fell below  $32^{\circ}\text{F}$ , the level reached at Eskdalemuir and Wick.

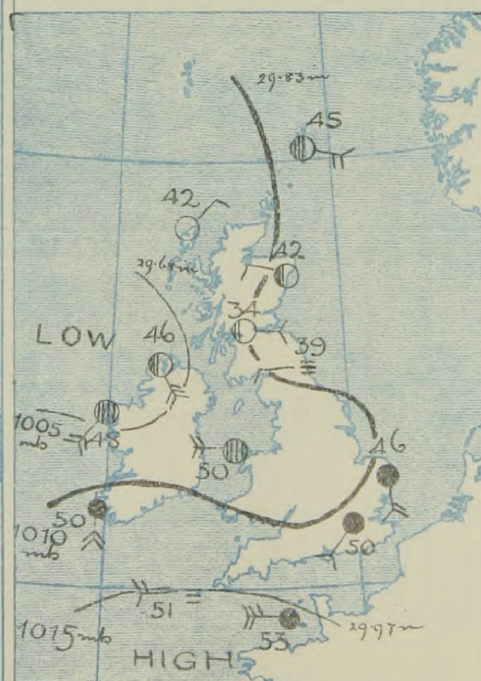
## The Conditions at 7h. Today

There is a V-shaped depression extending across these Islands from north-west Ireland to the Eastern Channel. Pressure is high over the south of France, also in the north of Norway (1040 mb.), whence a region of high pressure extends southward over the Baltic.

## The Outlook

The barometer is falling slowly over the Irish Sea and more briskly in south-east England, so that the V-shaped secondary is moving north-eastward and at the same time spreading south-eastward. In its rear the wind will become West generally and the weather improve temporarily, but pressure remains low over the Atlantic, and the approach of further secondary disturbances from the south-west is to be anticipated.

H.H.

WEDNESDAY, 11<sup>TH</sup> DECEMBER, 1918, at 13h. (1p.m.) G.M.T.

The trough of the V-shaped depression now extends from Malin Head to Clacton; it is moving north-eastward but has grown less deep.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 345

Wednesday  
11<sup>th</sup> December

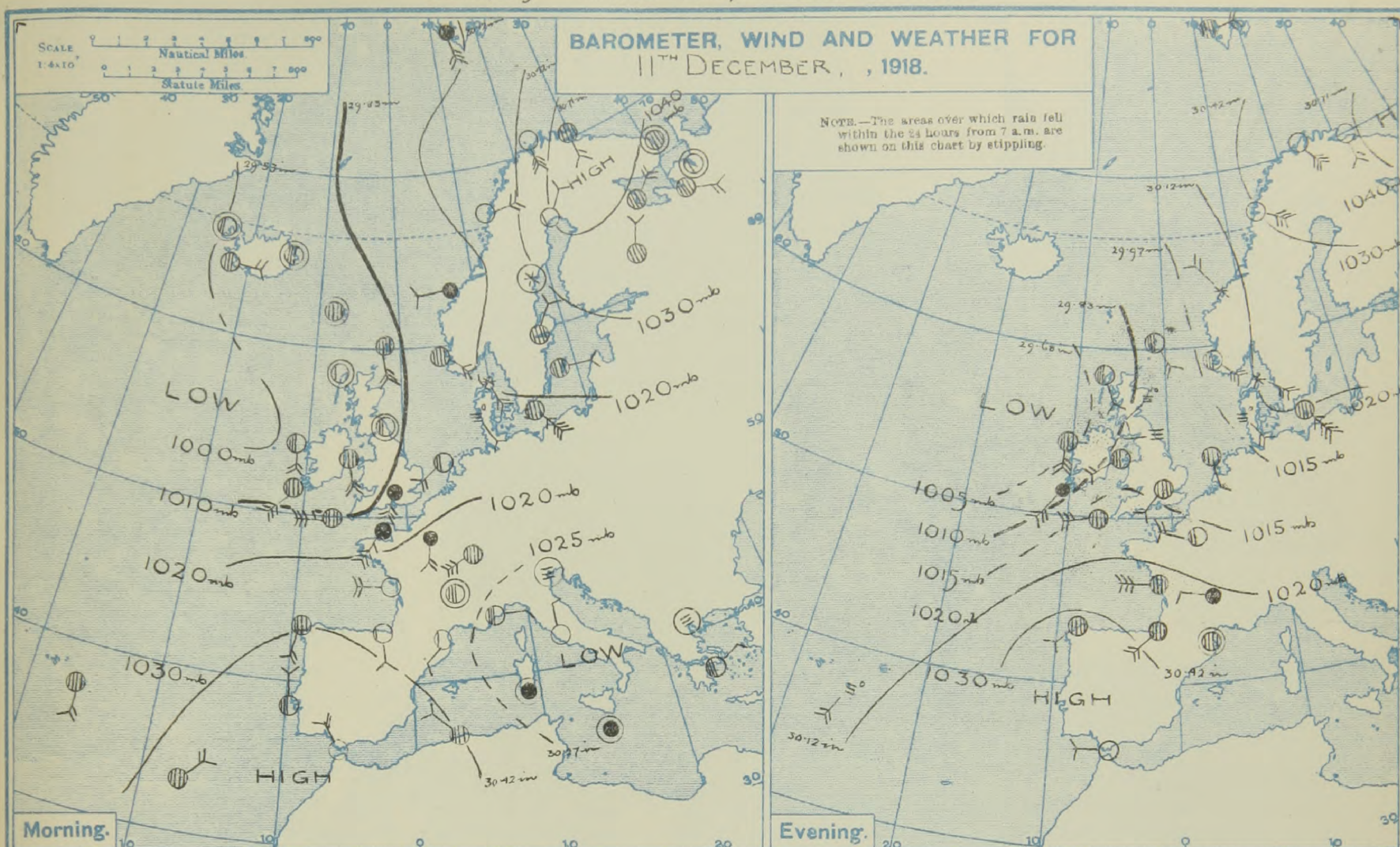
STATIONS.		EVENING OF 10 <sup>TH</sup>					MORNING OF 11 <sup>TH</sup>										24 HOURS ENDED 7 <sup>TH</sup> 11 <sup>TH</sup>						Sun- shine for 10 <sup>TH</sup> Hours.
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 5 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 9-9	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon	Night.		
BRITISH ISLANDS.	Lerwick	1010.8	45	S	5	cm	1009.1	0	45	0	SE	5	-	om	3	3	46	42	cm	cm	om	*	
	Deerness (Orkney)	1008.4	45	SSE	3	o	1008.4	*	43	-1	W	2	-	c	3	3	47	41	b, bc	b, bc, o	ot, c	0.5	
	Stornoway	1007.6	43	SSW	3	o	1008.8	+1	33	-12	-	0	-	b	0	3	46	33	o	o	b	0.0	
	Castlebay (Barra Isd.)	1007.8	48	-	0	b	1006.9	0	48	+3	E	4	-	bc	4	5	48	42	d, op	op, b	b, op, bc	0.6	
	Glasgow	1008.6	41	WNW	2	og	1009.2	-1	33	-6	ENE	2	-	bm, ex	*	2	43	33	om	om, p, c	o, b, m, ex	0.0	
	Eskdalemuir	1008.7	41	WSW	2	bc, m	1009.8	-1	33	-7	N	2	-	cm	*	1	44	32	om	od, m, om	b, x, cm	0.0	
	Malin Head	1008.4	44	SSW	2	b	1002.5	-3	45	+3	SE	4	-	om, p	4	2	48	39	bc	bc	om, p	3.0	
	Blacksod Point	1006.9	44	SSE	4	bc, m	1000.4	+2	48	+4	S	4	-	om, g	4	3	52	40	b, op, h	b, op	od, om, g	*	
	Valencia (Cabiriveen)	1007.2	47	SSE	5	t	1008.0	+8	50	+3	WSW	6	-	o	0	24	52	45	b, op, h	c, ot	tg, op	3.1	
	Roche's Point																						
	Birr Castle	1011.5	41	S	1	m	1003.6	*	50	+9	SW	2	-	t	*	2	54	39	c	c	od, ot	4.5	
	Donaghadee	1010.6	42	WNW	2	bm	1005.0	-2	46	-2	SE	5	-	og, m, g	4	6	49	37	og, m, g	bc, m	bm, og	*	
	Liverpool (Bidston)	1011.8	45	W	4	bc	1006.2	-3	43	-1	SE	4	E	o	3	3	46	41	r, o, bc	bc, p, o	bc, ot	0.0	
	Holyhead	1012.5	46	WSW	4	b	1003.0	-1	49	+1	S	4	-	om	3	7	49	47	ot, c, g	c, bc, b	bc, ot	3.0	
	Pembroke (St Ann's)	1015.6	48	W	3	bc	1004.8	+2	50	+3	WSW	7	-	og	5	16	51	50	op, c, g	bc, b	cu, og, r	4.2	
	Hartland Quay	1017.2	50	WSW	4	bc	1010.2	+2	52	+2	WSW	7	-	od, m	5	14	53	47	d, g, bc	b, bc, c	c, o, g, r	*	
	Scilly (St. Mary's)	1017.6	50	SW	4	bc	1011.8	+2	52	+5	W	7	-	o	6	4	53	47	bc	bc	c, g, p, og	5.4	
	Falmouth	1018.3	44	W	1	bc	1011.8	+2	51	+4	W	7	-	od, g	*	7	53	42	cp, bc	b, bc	bc, g, o	6.9	
	Jersey (St. Aubin)	1019.4	50	W	4	b	1013.8	-2	55	+4	SW	7	-	og, p	4	3	55	49	b, op, b	b	c, og, p	4.7	
	Portland Bill	1015.4	50	W	5	bc	1009.8	-1	53	+2	W	5	-	e	4	12	53	50	cp	bc, p	c, g, r	*	
	Dungeness	1012.9	47	WSW	5	c, g	1012.4	-7	49	0	SSW	5	SW	c, g	4	4	52	44	t, op	c	bc, g, r, c	*	
NORTHERN EUROPE.	Wick	1007.6	45	S	3	om	1009.1	+1	40	-5	WNW	2	-	o	2	-	46	40	bc, m, cm	cm, om	om, g	*	
	Nairn	1007.9	41	-	0	og	1008.9	*	33	-7	-	0	-	c, g	0	1	43	32	bc, g	og, o	ot, c, x	0.0	
	Aberdeen	1008.3	47	SSE	2	om	1009.2	+1	42	+2	WNW	2	-	o	2	TRACE	48	40	bc, om	om, d	om	0.0	
	Leith	1007.6	44	SE	1	T	1009.3	0	35	-7	SE	1	-	b, z	2	2	45	34	om, c, o	om, r	ro, c, g, b	*	
	Tynemouth	1008.3	44	SSW	2	f	1009.1	0	38	-4	-	0	-	bc, m	2	-	45	36	f	f	bc, m	*	
	Spurn Head	1009.1	47	SSW	2	od	1011.4	-2	42	-5	SSW	3	-	c	3	1	49	39	cm	om, d	bc, c	0.0	
	Yarmouth (Gorleston)	1011.2	47	SW	3	om, p	1013.1	-3	40	-8	WSW	4	-	c	3	4	48	38	om, p	om, r	bc, om, p	0.0	
	Clacton-on-Sea	1012.1	47	WNW	3	og	1013.0	-5	47	-1	SSE	4	-	og, r	3	5	49	40	og, r, bc	bc, og, d	c, og, r	0.5	
	Nottingham	1011.8	47	W	3	o	1009.5	-	42	+1	SE	1	-	od	*	0.3	50	36	f, mo	om	o, c	0.0	
	Benson (Oxon.)	1014.0	45	W	2	b	1008.8	-7	46	-3	SSE	3	-	o	*	5	51	28	mp	p, bc	bc, ot	*	
	Sth Farnborough	1014.4	44	WSW	3	bc	1010.5	-6	48	-1	SSW	5	-	om	*	10	51	37	rb, c, g, o	og, o, bc	b, om	0.7	
	Salisbury Plain	1016.1	41	W	2	b	1010.1	-4	48	+1	SW	2	SW	o	*	11	49	37	ot, om, g	bc, g	bc, g, r, c	?	
	London (Kew Obsy.)	1014.3	47	WSW	3	c	1010.5	-8	47	-3	SW	2	-	om, m	*	13	51	40	om, om, g	c, o, p, om, c	bc, g, r, c	0.6	
FRANCE, &c.	Spitsbergen						1019.0	0	37	0	S	5	*	t	*	*	37	34					
	Vardø	1034.0	25	S	4	b	1040.0	0	25	-2	S	3	-	o	3	*	27	19					
	Gjesvær	1030.9	23	S	8	b	1030.0	*	23	0	S	6	-	b	3	-	23	21					
	Bodø	1026.0	27	E	6	b	1029.3	0	21	-15	E	4	-	b	2	-	36	21					
	Christiansund	1016.0	43	-	0	o	1016.2	-1	39	-4	W	2	-	t	2	2	43	39					
	Skudesnaes	1015.4	45	S	4	t	1015.4	0	43	-3	SE	4	-	o	3	5	46	41					
	Færder (Xania Fjord)	1021.9	36	NE	5	o	1023.9	+1	30	-7	ENE	4	-	s	3	7	37	30					
	The Sca W (Skagen)	1017.9	41	NNE	2	o	1020.4	+1	22	-7	ESE	4	-	s	4	1	41	32					
	Blaavands Huk	1017.2	39	SSE	1	f	1014.6	-1	37	-4	SE	2	-	m	*	*	46	34					
	Copenhagen	1019.3	39	-	0	m	1019.4	0	36	-1	ESE	7	-	s	*	1	39	34					
	Bornholm	1018.9	39	NNW	1	m	1018.6	-1	36	-3	ESE	8	-	o	1	2	41	34					
	IBERIA, &c.	The Helder	1013.5	45	SSE	3	t	1013.5	+1	46	+5	WSW	3	-	bc	2	7	46	41				
C. Gris Nez		1013.6	48	WSW	7	c	1013.9	-4	47	0	S	4	*	o	*	7	50	45					
La Hève		1018.4	48	WSW	5	b	1013.3	-1	48	0	NNE	5	*	o	*	10	?	?					
Brest (St. Mathieu)		1021.9	52	W	4	bc	1017.2	+2	55	+3	WSW	6	*	o	*	TRACE	55	50					
Rochefort (Ile d'Aix)		1024.8	50	NW	2	b							*	*	*	*	*	*					
Biarritz		1027.5	57	SW	3	o	1028.6	-1	52	0	S	2	*	b	*	-	55	50					
Paris		1020.2	46	SW	2	b	1020.6	-3	43	-3	S	3	*	t	*	2	48	41					
MEDITERRANEAN.	Belfort	1023.4	43	W	3	t	1025.7	*	41	-2	WSW	6	*	o	*	3	46	32					
	Lyons	1025.5	45	-	0	c	1026.3	0	39	-2	-	0	*	c	*	TRACE	46	39					
	Nice	1025.8	48	-	0	c	1024.6	0	45	-5	E	1	*	c	*	-	55	43					
	Perpignan	1029.5	52	-	0	b	1028.4	0	48	+7	SW	1	*	b	*	-	55	44					
	Sanguinaire	1023.7	55	S	2	c	1023.9	+1	52	-2	SE	2	*	b	*	-	63	50					
	Corunna	1028.0	59	SW	1	c	1030.1	+1	57	+3	SSW	1	-	o	4	1	59	53					
	Madrid	1024.7	48	-	0	bc	1037.0	+3	36	?	NNE	1	-	o	*	0	50	32					
MEDITERRANEAN.	Lisbon																						
	Azores (Horta)		*										*	*									
	" (P. Delgada)	1023.9	*	SW	3	m							*	*									
	Madeira																						
	Gibraltar	1030.8	57	W	2	o	1032.2	*	54	-1	NW	3	*	b	1	-	62	52					
	Algiers	1026.3	55																				



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,839

THURSDAY, 12<sup>TH</sup> DECEMBER, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 11<sup>TH</sup> DECEMBER.

STATIONS.		EVENING OF 10 <sup>TH</sup>					MORNING OF 11 <sup>TH</sup>										MORNING OF 11 <sup>TH</sup>																				
		Barom. Milli- bars at M.S.L.	Temp.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.			WIND.		Weather.														
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Max.	Min.			Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.																
RUSSIA.	Orlov ...	x	°F.	x	x	*	1039.7	?	°F.	°F.	-	0	f	-	°F.	°F.	Isafjord ...	10000	41	-4	-	0	bc														
	Kem ...	x	x	x	x	x	1037.6	0	21	+3	N	1	0	-	x	x								Reykjavik	1001.9	37	-4	E	3	c							
	Archangel ...	x	x	x	x	x	1037.9	0	14	-4	E	3	0	-	x	x															Vestmanna						
	Mesen...	x	x	x	x	x	1040.2	x	?	?	-	0	?	-	x	x																					
SWEDEN.	Haparanda ...						1041.0	x	?	?	NNE	2	b	x	x	x	Thorshavn	1008.4	38	-3	-	0	0														
	Hernösand ...						1032.8	x	21	-7	-	0	s	x	x	x								TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM	12 <sup>TH</sup> & 13 <sup>TH</sup> Dec 1918.	Sunrise.	Noon.	Sunset.									
	Stockholm ...						1027.0	x	23	-9	NNE	2	0	x	x	x													Yarmouth ...								
	Wisby ...						1025.0	x	27	-16	WNW	2	0	x	x	x																			Greenwich ...		
Sordovalä ...						1028.4	x	19	-7	?	2	0	x	x	x	Wick ...																					
Hangö ...						1034.6	x	12	-6	NE	2	0	x	x	x								Valencia ...														
ITALY.	Venice ...	1025.6	45	-	0	f	1024.7	x	43	?	-	0	f	-	48														43	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM	12 <sup>TH</sup> & 13 <sup>TH</sup> Dec 1918.	Sunrise.	Noon.	Sunset.			
	Turin ...	1025.7	39	-	0	f	1026.5	x	34	0	-	0	f	-	41														32								
	Pesaro ...							x																													
	Leghorn ...	1023.4	52	-	0	c	1023.3	x	50	-2	-	0	f	9	59	48																					
	Rome ...	1024.7	48	N	1	b	1025.6	x	37	-4	N	1	b	-	59	37																					
	Viesti ...							x																													
	Brindisi ...							x																													
	Cagliari ...	1022.7	54	-	0	0	1022.0	x	54	-8	-	0	T	2	59	39																					
Palermo ...							x									Yarmouth ...																					
Tripoli ...							x																Greenwich ...														
																Wick ...																					
																							Valencia ...														
															</																						

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

12 <sup>TH</sup> & 13 <sup>TH</sup> Dec 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...		7.57	11.47	3.36
Greenwich ...		7.58	11.47	3.36
Wick ...		7.59	11.54	3.49
Valencia ...		8.55	12.6	3.16
		8.56	12.6	3.16
		8.42	12.35	4.27
		8.43	12.35	4.27

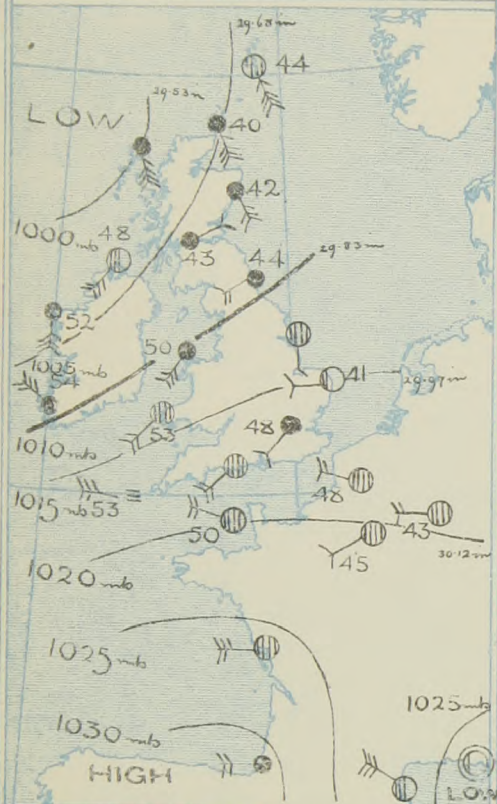
LONDON										SOUTH KENSINGTON (M.C.)		
12 <sup>TH</sup> December. G.M.T.										Vertical Component of Solar Radiation per square Centimetre during 11 <sup>TH</sup>		
HUMIDITY.	Sun-shine for 11 <sup>TH</sup>	TEMPERATURE.			Rain-fall.	WEATHER.			Total.	Average Rate.	Max. Rate.	
		11 <sup>TH</sup>	12 <sup>TH</sup>	13 <sup>TH</sup>		Morning.	Afternoon.	Night.				
GREENWICH (Royal Observatory)	13	95	0.6	56	46	41	3	sc	0	0		
CITY (Bunhill Row)	x	x	0.0	x	x	x	x	x	x	x		
WESTMINSTER (St. James's Park)	82	100	0.3	55	47	38	2					
" (Roof near Charing Cross)	93	97	0.4	54	47	x	2	bump	0.0	0.0		
CAMDEN SQ. (British Rainfall)	95	96	0.0	54	46	40	3	o	2			
KENSINGTON PALACE	92	98	x	55	46	39	3	or	0.0			

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



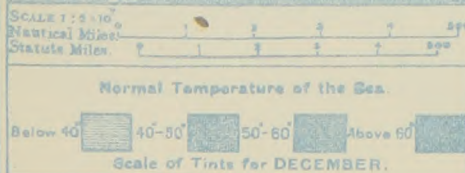
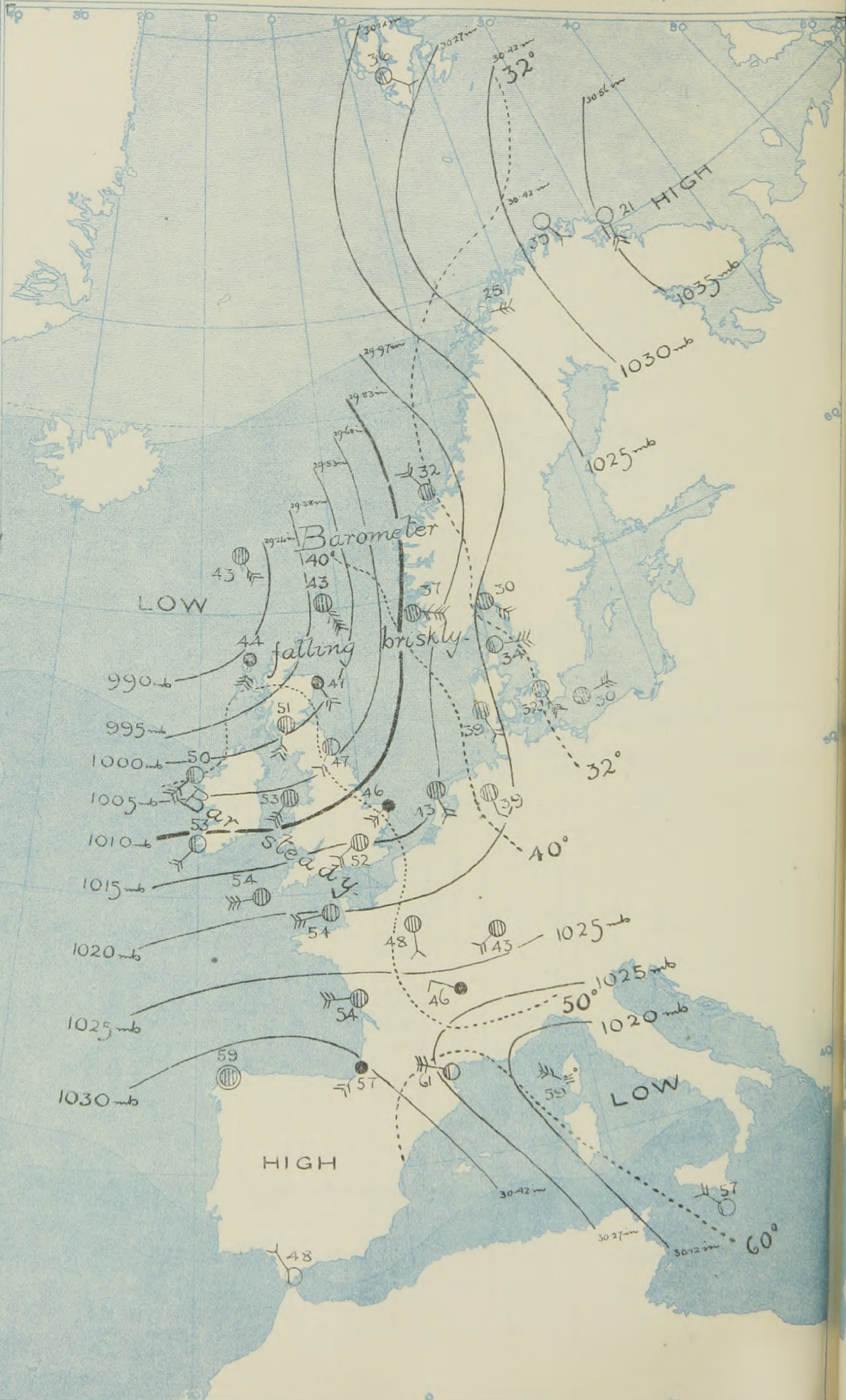
12<sup>th</sup>, DEC, at 1h. G.M.T.

THE MORNING OF THURSDAY, 12<sup>th</sup> DECEMBER 1918, at 7h. G.M.T.

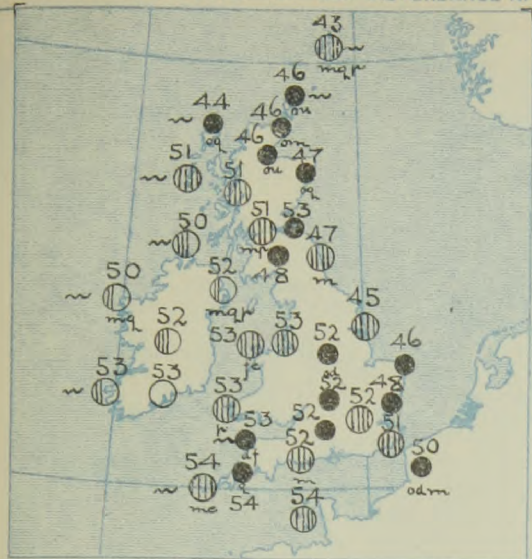


# EXPLANATION.

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







## NOTES.

Lerwick.

 Gale 22h (11<sup>m</sup>) - 7h (12<sup>m</sup>)  
 Ex. SE 9 at 5h.
Notes on the Weather of the 24 hours ended 7h. Today

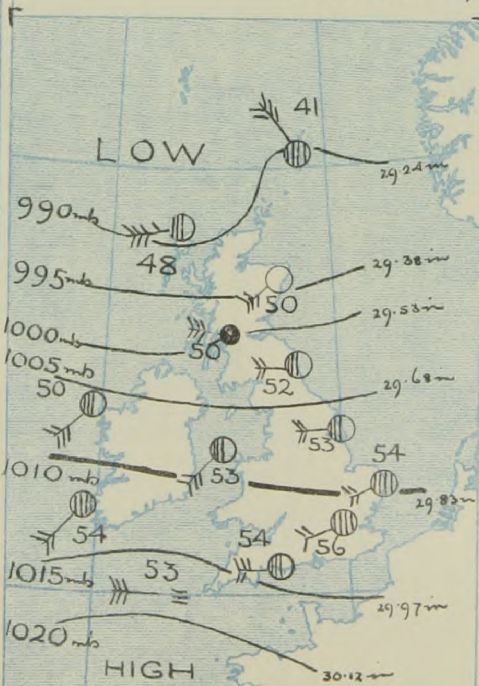
Except in the morning in parts of Scotland and Northern Ireland, the weather yesterday was cloudy or dull with showers or drizzle over almost the whole of the country. During the night rain fell in most districts, but the total amounts exceeded 7 mm. only at Stornoway (14 mm.) Bright sunshine was nil at most places, but reached 5.2 hours at Nairn. Under the influence of the South-Westerly wind, weather continued mild, with night minima of 50° or above in south-west England, but in parts of Scotland the temperature fell below freezing point.

The Conditions at 7h. Today

There is a deep depression off the Hebrides, with a steep gradient eastward causing strong gales from SE. over the northern part of the North Sea. Pressure is high over Spain and Lapland, but has fallen somewhat in the latter region.

The General Outlook

The barometer is falling briskly over Scotland but changing little in the south-west, so that the depression is moving slowly north-eastward, and at the same time increasing in intensity. The wind however remains SW. in the west of Ireland and further disturbances are expected from the Atlantic.

*F.H.*
THURSDAY, 12<sup>th</sup> DECEMBER, 1918, at 13h. (1p.m.) G.M.T.

The depression now lies off the north-west of Scotland. Pressure is falling slowly in the south-east of England.



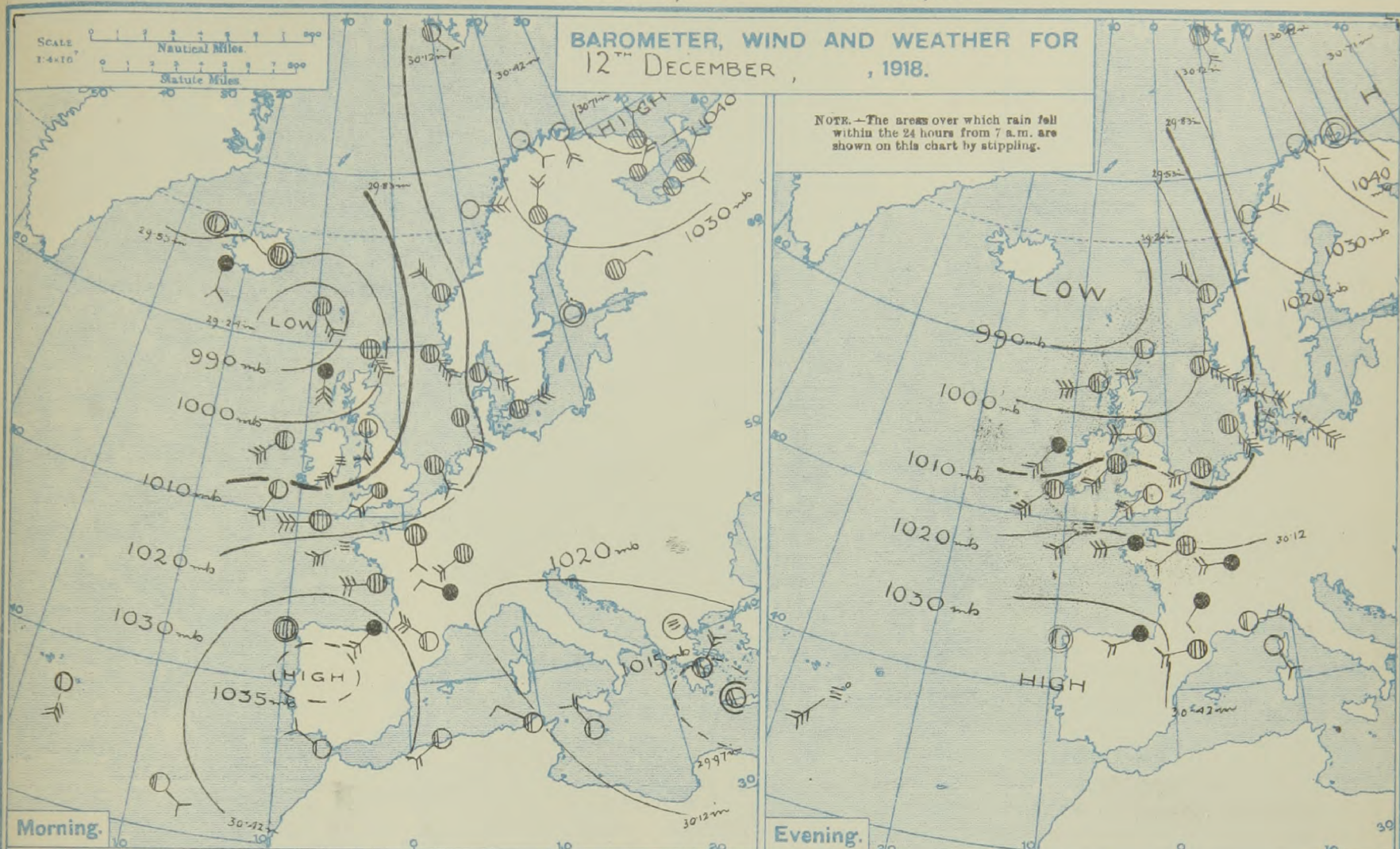
STATIONS.	EVENING OF... 11 <sup>TH</sup> ...					MORNING OF... 12 <sup>TH</sup> ...										24 HOURS ENDED 7 <sup>TH</sup> 12 <sup>TH</sup> ...					Sun- shine for 11 <sup>TH</sup> Hours.	
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall Milli- metres.	TEMP.		WEATHER.				
			Dir.	Force 0-12				Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	1010.4	45	SE	6	om	995.1	-10	43	-2	SE	9	-	omq	5	3	45	40	cm	om	omq	0.0
	Deerness (Orkney) ...	999.1	45	SE	3	c	993.2	*	46	+3	SSE	5	-	om	5	2	46	43	cm	c	om	0.0
	Stornoway ...	1006.6	42	SSE	2	c	991.4	-7	44	+11	S	6	-	omq	5	14	50	23	b3	b3c	omq	3.4
	Castlebay (Barra Isd.) ...	1004.9	46	SE	5	t	994.5	-5	51	+3	WSW	6	-	o	6	4	52	43	bc	c	om	0.3
	Glasgow ...	1011.2	37	NE	2	om	998.8	-11	51	+18	SSW	5	-	om	*	4	51	31	b.borne	bc.c	omq	0.0
	Eskdalemuir ...	1010.7	39	-	0	o	1002.1	-8	48	+15	SSW	5	-	om	*	7	48	33	em.b.be	o	om	2.5
	Malin Head ...	1005.2	47	SSW	3	cg	997.4	-7	50	+5	SW	6	S	om	5	2	51	45	bc	cg	om	0.2
	Blacksod Point ...	1004.6	49	S	5	ofe	1003.6	0	50	+2	SW	6	-	om	5	2	52	47	om	om	om	0.0
	Valencia (Cabirciveen) ...	1010.4	55	SW	5	t	1012.3	+2	53	+3	SW	4	-	om	5	8	56	49	od	od	om	0.0
	Roche's Point ...	1007.4	48	S	1	o	1011.7	0	53	?	W	3	-	om	4	3	55	47	om	om	om	0.0
NORTHERN EUROPE.	Birr Castle ...	1007.4	48	S	1	o	1011.7	0	53	?	W	3	-	om	4	3	55	47	om	om	om	0.0
	Donaghadee ...	1009.1	47	SW	2	om	1001.5	-3	52	+6	SW	5	SW	om	4	5	53	45	om	om	om	0.0
	Liverpool (Bidston) ...	1011.5	48	WSW	3	o	1007.1	-3	53	+10	SW	4	SW	om	3	2	53	43	om	om	om	0.0
	Holyhead ...	1011.1	50	WSW	4	cg	1007.0	-3	53	+4	SW	6	-	om	4	6	53	49	om	om	om	0.0
	Pembroke (St. Ann's) ...	1014.7	51	WSW	3	o	1012.2	-4	53	+3	SW	5	-	om	4	4	53	50	om	om	om	0.0
	Hartland Quay ...	1016.0	51	SW	4	odf	1014.3	-2	53	+1	SW	6	-	om	5	6	53	50	om	om	om	0.0
	Scilly (St. Mary's) ...	1016.7	53	W	5	om	1017.5	0	54	+2	W	6	-	om	6	2	54	51	om	om	om	0.0
	Falmouth ...	1016.6	53	WSW	5	odm	1017.0	-2	54	+3	WSW	7	-	om	3	1	54	50	om	om	om	0.1
	Jersey (St. Aubin) ...	1018.4	53	W	3	odm	1020.2	0	54	-1	W	5	-	om	3	4	55	51	om	om	om	0.0
	Portland Bill ...	1015.3	52	WNW	4	c	1015.7	0	53	0	WSW	5	-	om	4	1	53	51	om	om	om	0.0
FRANCE, &c.	Dungeness ...	1012.9	50	WSW	3	c	1015.5	-2	51	+2	SW	3	-	om	3	2	53	46	om	om	om	0.0
	Wick ...	1009.1	44	S	2	c	994.9	-10	46	+6	S	4	-	om	4	2	46	38	om	om	om	0.0
	Nairn ...	1008.6	30	-	0	bm	995.7	*	46	+13	-	0	-	om	0	3	46	29	om	om	om	0.0
	Aberdeen ...	1010.8	37	WSW	1	bm	997.5	-12	47	+5	SSE	4	-	om	4	1	47	34	om	om	om	0.0
	Leith ...	1009.9	40	SE	1	o	998.6	-5	53	+18	SW	2	-	om	1	1	52	35	om	om	om	0.0
	Tynemouth ...	1009.6	43	W	1	f	1004.2	-6	47	+9	SSW	3	-	om	3	2	47	33	om	om	om	0.0
	Spurn Head ...	1012.5	46	S	1	om	1009.8	-2	45	+3	SW	4	-	om	4	4	46	42	om	om	om	0.0
	Yarmouth (Gorleston) ...	1012.3	46	NW	2	om	1013.8	-3	46	+6	SW	4	-	om	4	6	47	40	om	om	om	0.0
	Clacton-on-Sea ...	1013.0	48	WNW	2	om	1014.2	-3	48	+1	SSW	3	-	om	3	3	50	45	om	om	om	0.0
	Nottingham ...	1012.6	45	-	0	o	1010.0	*	52	+10	SW	2	-	om	*	1	52	42	om	om	om	0.0
IBERIA, &c.	Benson (Oxon.) ...	1013.5	48	NW	1	c	1013.4	-2	52	+6	SW	3	-	om	*	3	52	45	om	om	om	0.0
	St. Farnborough ...	1014.2	49	W	2	o	1015.3	-1	53	+5	SW	4	-	om	*	4	53	44	om	om	om	0.0
	Salisbury Plain ...	1015.2	47	W	4	c	1015.3	-4	54	+6	SW	3	W	om	*	2	53	44	om	om	om	0.0
	London (Kew Obs.) ...	1013.9	50	SW	2	o	1014.3	-1	52	+5	SW	3	-	om	*	3	52	46	om	om	om	0.0
	Spitsbergen ...	1022.6	36	ENE	4	o	1022.6	0	36	-1	SE	2	-	om	*	*	37	32	om	om	om	0.0
	Vardø ...	1038.9	19	S	3	b	1035.5	-1	21	-4	S	4	-	om	*	*	25	19	om	om	om	0.0
	Gjesvær ...	1032.2	25	SE	6	b	1031.3	*	30	+7	SE	2	-	om	*	*	30	21	om	om	om	0.0
	Bodø ...	1030.4	21	E	6	b	1027.5	+1	25	+4	E	6	-	om	*	*	25	18	om	om	om	0.0
	Christiansund ...	1017.1	34	NW	3	s	1014.0	-3	32	-7	NW	4	-	om	*	11	39	32	om	om	om	0.0
	Skudesnaes ...	1017.3	39	ESE	5	c	1013.1	-7	37	-6	ESE	4	-	om	*	5	43	36	om	om	om	0.0
MEDITERRANEAN.	Færder (Xtania Fjord) ...	1025.6	27	ENE	4	o	1022.8	-2	30	0	SE	5	-	om	*	3	30	25	om	om	om	0.0
	The Scaw (Skagen) ...	1021.9	32	E	5	s	1021.7	-2	34	+2	ESE	5	-	om	*	5	34	30	om	om	om	0.0
	Blaavands Huk ...	1015.5	41	SE	3	m	1017.0	-2	39	+2	SSE	3	-	om	*	3	41	34	om	om	om	0.0
	Copenhagen ...	1020.7	34	ESE	6	s	1022.6	0	32	-4	SE	7	-	om	*	3	36	32	om	om	om	0.0
	Bornholm ...	1019.4	32	ESE	8	m	1022.4	+1	30	-6	E	6	-	om	*	1	36	28	om	om	om	0.0
	The Helder ...	1013.9	43	SSE	1	o	1014.9	-2	43	-3	SSE	3	-	om	*	2	48	41	om	om	om	0.0
	C. Gris Nez ...	1013.3	50	WNW	6	c	1016.4	-4	48	+1	SSW	4	-	om	*	4	52	46	om	om	om	0.0
	La Hève ...	1018.9	50	W	5	c	1020.3	+1	50	+2	W	5	-	om	*	13	52	48	om	om	om	0.0
	Brest (St. Mathieu) ...	1020.7	52	W	5	o	1023.3	0	54	-1	WSW	5	-	om	*	1	55	52	om	om	om	0.0
	Rochefort (Ile d'Aix) ...	1024.4	55	W	6	o	1020.3	0	54	1	W	5	-	om	*	TRACE	57	54	om	om	om	0.0
	Biarritz ...	1029.0	57	WSW	4	o	1030.3	0	57	+5	SW	4	-	om	*	1	59	55	om	om	om	0.0
	Paris ...	1016.8	50	WNW	3	bc	1021.0	-1	48	+5	S	2	-	om	*	10	54	43	om	om	om	0.0
	Belfort ...	1022.7	45	WNW	1	t	1025.7	+2	46	+7	WNW	1	-	om	*	19	54	39	om	om	om	0.0
	Lyons ...	1022.7	45	WNW	1	t	1025.7	+2	46	+7	WNW	1	-	om	*	19	54	39	om	om	om	0.0
	Nice ...	1025.7	59	-	0	o	1023.8	-3	61	+13	WNW	6	-	om	*	*	63	48	om	om	om	0.0
	Perpignan ...	1023.4	55	W	1	m	1016.6	-7	59	+7	NW	5	-	om	*	*	63	52	om	om	om	0.0
	Sanguinaire ...	1023.4	55	W	1	m	1016.6	-7	59	+7	NW	5	-	om	*	*	63	52	om	om	om	0.0
	Corunna ...	1030.9	61	SW	2	o	1033.1	0	59	+2	-	0	-	om	*	2	64	57	om	om	om	0.0
	Madrid ...	1033.2	53	W	2	b	1031.1	*	48	-6	NW	2	-	om	*	*	65	47	om	om	om	0.0
	Lisbon ...	1033.2	53	W	2	b	1031.1	*	48	-6	NW	2	-	om	*	*	65	47	om	om	om	0.0
	Azores (Horta) ...	1020.2	*	SSW	4	m	1031.1	*	48	-6	NW											



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

N20,840

FRIDAY, 13<sup>TH</sup> DECEMBER, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 12<sup>TH</sup> December

STATIONS.		EVENING OF 11 <sup>TH</sup>					MORNING OF 12 <sup>TH</sup>										MORNING OF 12 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.		Force 0-12.
		° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	
RUSSIA.	Orlov ...	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	Kem ...	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	Archangel	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	Mesen...	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
SWEDEN.	Haparanda						1033.2	x	12	?	NNE	4	0	x	x	x							
	Hernösand						1031.3	x	23	+2	N	2	0	x	x	x							
	Stockholm						?	x	21	-2	NNE	2	0	x	x	x							
	Wishby ...						1026.0	x	19	-6	SSE	2	0	x	x	x							
	Sordövala						1028.3	x	18	-1	E	1	0	x	x	x							
	Hangö ...						1028.4	x	18	-6	-	0	0	x	x	x							
ITALY.	Venice ...							x															
	Turin ...	1020.9	34	-	0	f		x															
	Pesaro ...	1021.4	43	-	0	f		x															
	Leghorn	1019.9	54	-	0	o		x															
	Rome ...	1022.1	46	N	1	b		x															
	Viesti							x															
	Brindisi	1021.5	54	-	0	b		x															
	Cagliari							x															
	Palermo							x															
	Tripoli	1020.9	61	E	1	c		x															
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																	13 <sup>TH</sup> & 14 <sup>TH</sup> Dec 1918.				Sunrise.	Noon.	Sunset.
																					G.M.T.	G.M.T.	G.M.T.
Yarmouth ...																	{				7.58	11.47	3.26
Greenwich ...																	{				7.59	11.48	3.36
																	{				8.0	11.55	3.49
Wick ...																	{				8.56	12.4	3.16
																	{				8.59	12.7	3.16
Valencia ...																	{				8.23	12.35	4.27
																	{				8.44	12.36	4.2

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

13 <sup>TH</sup> & 14 <sup>TH</sup> Dec 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	7.58	11.47	3.36
Greenwich ...	...	7.59	11.48	3.36
Wick ...	...	7.59	11.54	3.49
Valencia ...	...	8.0	11.55	3.49
		8.56	12.1	3.16
		8.57	12.7	3.16
		8.43	12.35	4.27
		8.44	12.36	4.27

LONDON		24 HOURS ENDED 9 h. 13 <sup>TH</sup>									
13 <sup>TH</sup> December 1918. G.M.T.		Humidity.		Sun-shine for 12 <sup>TH</sup>	TEMPERATURE.			Rain-fall.	WEATHER.		
		12 <sup>TH</sup>	13 <sup>TH</sup>		Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)		84	87	0.1	57	50	44	Trace	OT	o, bc	b, c, o
CITY (Bunhill Row)		x	x	0.0	x	x	x	x	x	x	x
WESTMINSTER (St. James's Park)		87	87	0.0	58	51	42	1	x	x	x
" (Roof near Charing Cross)		86	87	0.0	57	52	x	0.3	OT, o	o, c, bcq	x
CAMDEN SQ. (British Rainfall)		83	89	0.0	57	49	42	1	OT, o	o	x
KENSINGTON PALACE		83	88	x	58	51	43	0.3	OT, o	o	x

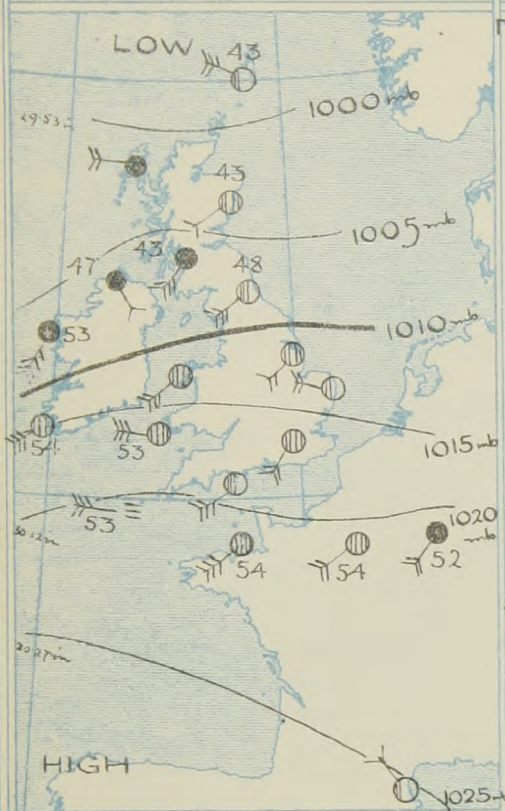
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 12 <sup>TH</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
77	2.7	9



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

THE MORNING OF FRIDAY, 13<sup>TH</sup> DECEMBER 1918, at 7h. G.M.T.



# EXPLANATION.

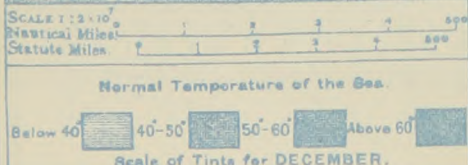
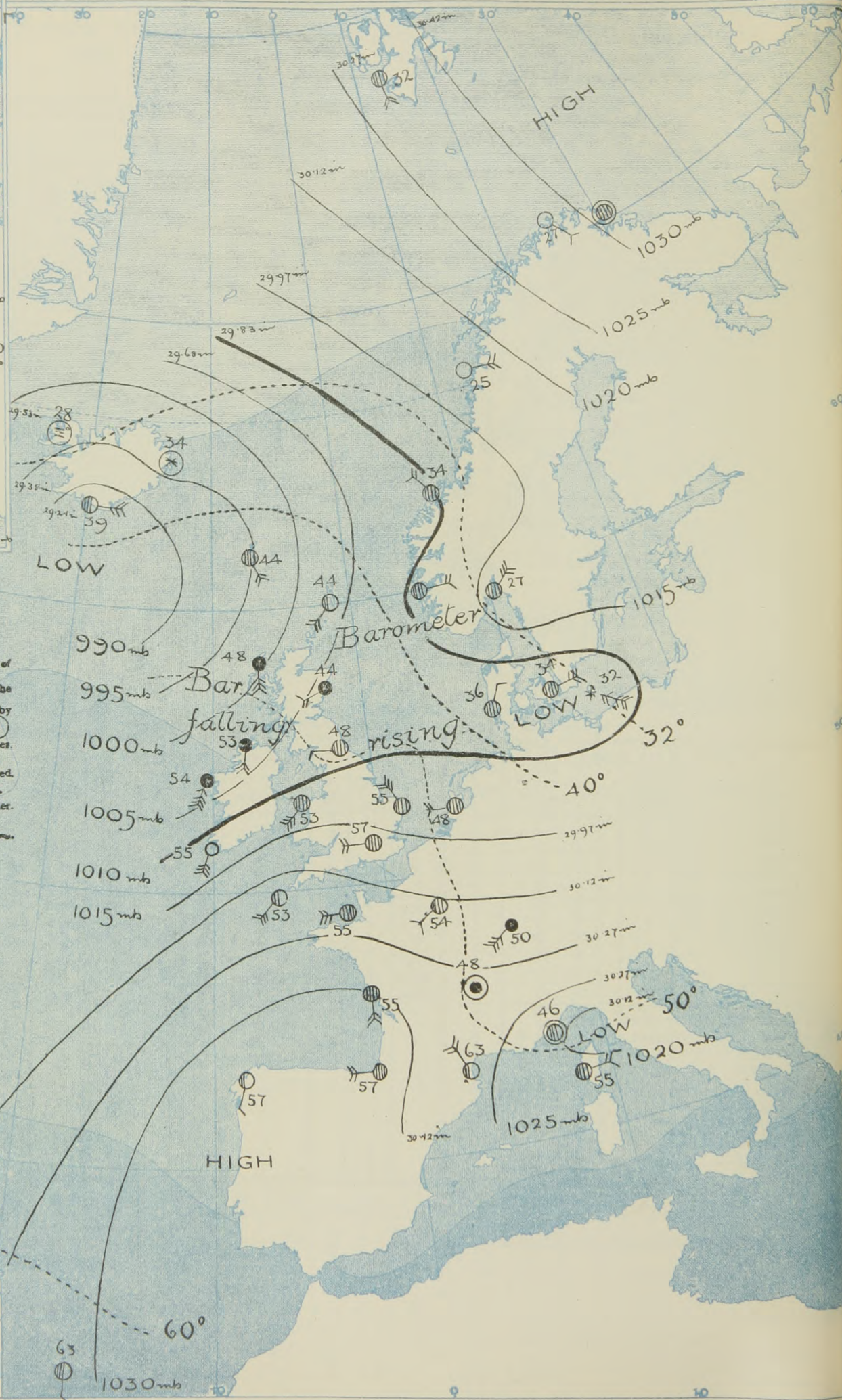
**BAROMETER.**—Isobars are drawn for intervals of five millibars.

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

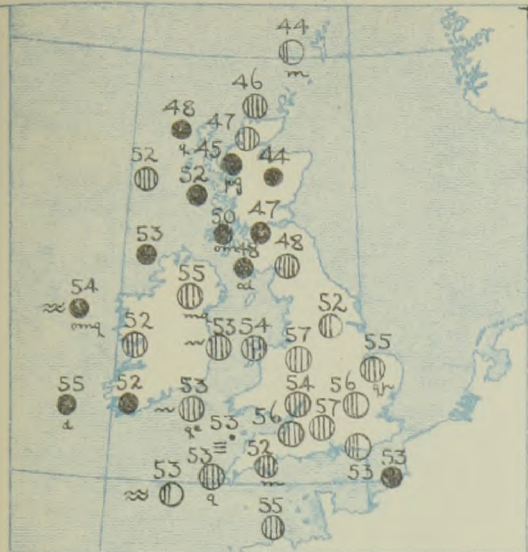
**TEMPERATURE.**—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

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

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







## NOTES.

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

During the past 24 hours the weather has been mainly cloudy or dull with local fair intervals; there was little bright sunshine except at Aberdeen (4-9 hours) and Liverpool (3.2 hours). Rain or drizzle fell at all stations, the amounts were mostly small, but Lerwick recorded 15 mm; mist or fog were widely distributed. Under the influence of the prevailing SW. winds the weather remained mild, maxima above 50° being recorded at most stations, while the minimum fell below 40° only at Lerwick and Wick, and was 50° or more throughout the south-western districts.

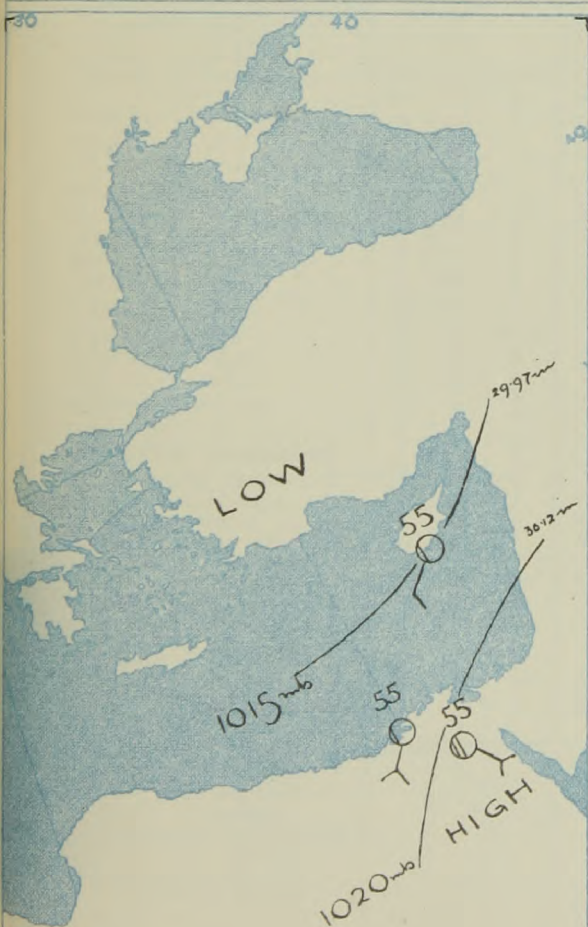
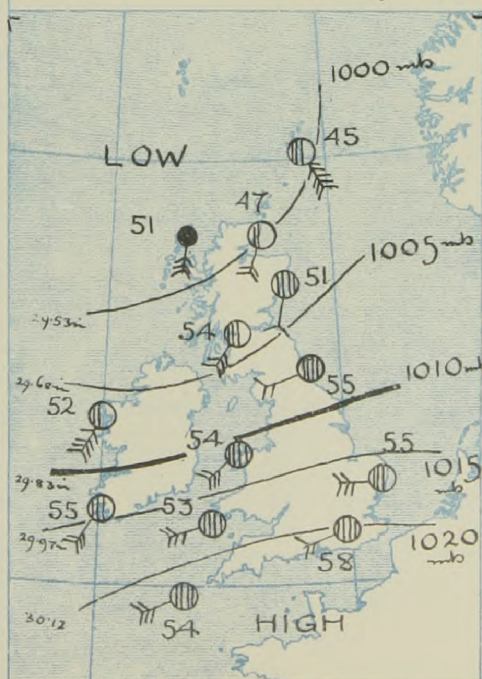
## The Conditions at 7h. Today

There is a depression south of Iceland and west of Scotland, with a steep gradient southwards causing a gale at Blacksod. The storms which prevailed over Southern Scandinavia last night have moderated, except at Hammeren, where a strong gale is still blowing, and the depression which crossed these Islands yesterday has moved rapidly eastward and grown less deep. Pressure is high over France.

## The Outlook

The barometer is falling in the west of Scotland, rising slowly in south-east England and rising briskly over Southern Scandinavia. In the west of Ireland the fall has ceased but the winds are still from SSW., and further disturbances can be expected to approach from the Atlantic.

H.H.

FRIDAY, 13<sup>TH</sup> DECEMBER, 1918, at 13h. (1p.m.) G.M.T.

The depression now lies off the north of Scotland and is moving north-eastward. The barometer is commencing to fall in the English Channel.



STATIONS.		EVENING OF 12 <sup>TH</sup>					MORNING OF 13 <sup>TH</sup>										24 HOURS ENDED 7 h. 13 <sup>TH</sup>							Sun- shine for 12 <sup>TH</sup> Hours.
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 2 hours.	Dry Bulb. °F.	Change in 24 hours.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
				Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	990.2	43	SW	4	bcm	1002.2	+2	44	+1	SW	4	-	bcm	3	15	45	38	omr	om	bcm			
	Deerness (Orkney) ...	990.2	46	SW	5	cb	1002.1	*	46	0	S	4	-	o	4	12	47	43	ot.c.bc	bcb	c.b.bco	1.7		
	Stornoway ...	995.9	47	W	6	cbq	999.7	-4	48	+4	S	5	-	otq	4	5	48	42	cbq	cbq	b.otq	0.6		
	Castlebay (Barra Isd.) ...	1000.2	49	W	5	o	999.7	-4	52	+1	SW	5	-	o	5	7	52	47	o.c.o	o	ot.c	0.2		
	Glasgow ...	1004.4	48	WSW	5	o	1006.2	-1	50	-1	SW	3	-	omr	*	3	51	46	c.b.c.cb	c.oq	o.b.c.or	0.2		
	Eskdalemuir ...	1004.7	46	WSW	7	oq	1008.1	0	48	0	SSW	4	-	odm	*	8	51	44	ot.mo	ot.o.oq	ot.c.od	0.5		
	Malin Head ...	1003.4	50	WSW	6	cmq	1002.8	-1	53	+3	S	4	-	omr	4	7	54	45	cmq	bcmq	omr	1.2		
	Blacksod Point ...	1007.5	50	SSW	5	oft	1002.9	-3	54	+4	SSW	8	-	omqr	7	6	54	47	cm	bcm	om.oq	*		
	Valencia (Cahireveen) ...	1013.0	56	SW	6	o	1011.6	-1	55	+2	SSW	6	-	od	1	56	52	bc	od	ot	1.5			
	Roche's Point ...	1014.4	53	W	2	o	1015.4	0	52	-1	SW	4	-	o	4	1	55	52	b.b.c.b	c.o	ot	*		
NORTHERN EUROPE.	Birr Castle ...	1011.5	52	SW	1	o	1010.3	*	56	+4	SW	2	-	o	*	2	56	50	c	c.o	ot.o	0.0		
	Doraghadee ...	1007.8	50	W	5	cmq	1008.1	+1	55	+3	SW	4	-	omq	3	2	56	47	bcmq	cmq	otfq	*		
	Liverpool (Bidston) ...	1008.8	51	W	6	c	1011.9	+2	54	+1	SW	5	W	o	5	1	58	50	o.b.c	bcb	bcbp	3.2		
	Holyhead ...	1011.8	53	SW	5	og	1012.0	+1	53	0	SW	6	-	ogq	5	0.4	54	51	ot.c.bc	-	o.c.p.o	1.8		
	Pembroke (St. Ann's) ...	1016.0	52	W	4	o	1017.6	+3	53	0	WSW	5	-	otq	5	0.3	53	51	om.oq	og.oq	og.oq	0.1		
	Hartland Quay ...	1017.8	52	SW	5	m	1020.5	0	53	0	SW	5	-	m	4	2	53	51	dfm	ofe.om	ofe.om	*		
	Scilly (St. Mary's) ...	1019.6	53	WSW	5	f	1021.7	-1	53	-1	SW	5	SW	bc	6	1	54	53	fd	fe	fe.bc	0.0		
	Falmouth ...	1019.1	53	WSW	5	odmq	1022.2	+1	53	-1	SW	6	-	ogq	*	4	55	52	og.oq	og.oq	odmq	0.0		
	Jersey (St. Aubin) ...	1020.9	55	W	6	odm	1024.4	+1	55	+1	W	5	-	oem	4	4	56	54	otd.om	odm	oem	0.0		
	Portland Bill ...	1016.5	52	WSW	5	bc	1019.8	+2	52	-1	WSW	5	-	om	4	2	54	50	ot.c	c.bc	om	*		
FRANCE, &c.	Dungeness ...	1013.7	52	WSW	5	bcb	1016.8	+1	53	+2	WSW	4	-	c	4	1	53	51	og.od	od.cq	cq.o.c	*		
	Wick ...	992.8	46	WNW	4	bm	1002.5	0	47	+1	SSW	3	-	om	4	6	47	39	ot.bcm	bcm	bcmom	*		
	Nairn ...	996.5	46	WSW	2	cgu	1002.4	*	45	-1	-	0	-	pgo	1	9	47	42	p.r.cu	bcb	cgb	0.4		
	Aberdeen ...	996.3	47	SW	4	b	1005.7	+1	44	-3	WSW	3	-	-	2	1	50	44	otq.b	bq.b	b.or	4.9		
	Leith ...	1001.0	49	W	5	c	1006.1	0	47	-6	SE	1	-	dm	2	4	54	46	otq.c.o	otq.cq	cqm	*		
	Tynemouth ...	1003.6	50	W	4	bm	1008.1	0	48	+1	W	1	-	om	2	1	55	47	cm	bcm	omr.om	*		
	Spurn Head ...	1008.0	52	W	5	bq	1012.2	0	52	+7	WSW	4	-	cq	4	3	53	45	cq	cq	cq	0.0		
	Yarmouth (Gorleston) ...	1009.8	53	WNW	3	c	1012.2	-1	55	+9	NW	5	-	ogp	4	6	55	45	omp	om.cm	c.omp	0.0		
	Clacton-on-Sea ...	1012.5	51	WSW	2	bc	1015.0	*	56	+8	W	4	-	c	3	3	56	47	ogmp	og.c.bc	bce	0.0		
	Nottingham ...	1010.2	51	SW	2	b	1014.1	*	57	+5	W	4	-	o	*	1	58	49	d.o	c.bc	b.c	2.6		
IBERIA, &c.	Benson (Oxon.) ...	1012.5	50	SW	3	r	1017.0	+2	54	+2	WSW	5	-	o	*	1	56	49	to	b	c.o	*		
	Sth Farnborough ...	1014.8	52	W	4	bc	1018.4	+2	56	+3	WSW	6	-	o	*	1	56	49	r.ot.od	d.c.o.bc	b.c.o	0.0		
	Salisbury Plain ...	1015.1	50	W	6	bqgm	1019.2	+1	55	+1	W	6	-	og	*	0.3	57	48	ot.od	o.c.bq	odq	-		
	London (Kew Obs.) ...	1013.9	53	WSW	4	b	1017.7	+2	57	+5	W	4	-	o	*	2	57	50	om.omf	o.c.o.b	b.bco	0.4		
	Spitsbergen ...	1025.3	32	SE	4	o	1027.1	+1	32	-4	S	4	*	o	*	36	30							
	Vardo ...	1028.3	23	-	0	bc	1031.3	0	?	?	-	0	-	o	2	23	16							
	Gjesvær ...	1028.4	20	SE	2	b	1026.6	0	27	-3	SE	2	-	b	3	-	20	27						
	Bodö ...	1021.5	23	E	4	b	1018.3	0	25	0	E	4	-	b	2	-	25	19						
	Christiansund ...	1003.7	32	NW	3	c	1009.9	+2	34	+2	NW	2	-	o	3	TRACE	34	32						
	Skudesnaes ...	998.9	37	ESE	9	o	1011.0	+13	34	-3	E	3	-	o	4	3	37	32						
MEDITERRANEAN.	Færder (Xiania Fjord) ...	1013.5	28	ESE	7	s	1016.2	+3	27	-3	NE	5	-	o	2	-	30	27						
	The Scaw (Skagen) ...	1002.3	37	SSE	7	o	1009.5	+10	36	-3	NE	1	-	o	*	9	46	34						
	Blaavands Huk ...	1010.6	32	SE	7	s	1009.1	+9	34	+2	E	5	-	o	*	1	34	28						
	Copenhagen ...	1014.7	27	SE	9	s	1006.1	+5	32	+2	ESE	9	-	s	2	4	32	25						
	Bornholm ...	1007.3	50	WSW	5	o	1013.1	+3	48	+5	WNW	3	-	o	3	3	50	43						
	The Helder ...	1015.0	52	W	6	o	1019.1	+4	52	+4	W	7	*	f	*	3	54	48						
	C. Gris Nez ...	1021.0	52	SW	4	f	1021.3	+1	52	+2	WSW	6	*	f	*	3	54	52						
	Brest (St. Mathieu) ...	1024.2	55	WSW	5	f	1026.9	-1	54	0	WSW	4	*	bc	*	TRACE	55	54						
	Rochefort (Ile d'Aix) ...	1020.0	51	WSW	5	f	1020.0	+1	55	+1	S	4	*	o	*	3	55	54						
	Biarritz ...	1031.7	57	WSW	3	r	1032.7	0	57	0	W	4	*	o	*	3	57	55						
MEDITERRANEAN.	Paris ...	1019.7	55	WSW	2	o	1023.5	+2	54	+6	WSW	2	*	o	*	2	51	48						
	Belfort ...	1022.9	45	W	4	r	1024.0	*	50	+7	SW	6	*	r	*	13	?	?						
	Lyons ...	1026.6	46	-	0	r	1028.2	0	48	+2	W	1	*	r	*	11	50	46						
	Nice ...	1024.4	46	E	3	bc	1020.0	-1	46	+1	-	0	*	c	*	-	55	45						
	Perpignan ...	1026.1	63	W	3	o	1027.0	0	63	+2	NW	4	*	bc	*	-	64	59						
	Sanguinaire ...	1019.9	59	SE	2	b	1022.3	-1	55	-4	E	3	*	o	*	-	64	52						
	Corunna ...	1033.1	63	-	0	bc	1033.9	+1	57	-2	SSW	1	-	bc	2	TRACE	64	55						
	Madrid ...	1014.0	0	55	-2	SW	1	-	b	6	3	68	55											
	Lisbon ...	1020.3	64	ESE	2	o	1030.6	0	63	?	S	1	-	c	2	-	66	63						
	Azores (Horta) ...	1021.3	*	SSW	5	m	1011.9	0	57	*	NE	4	*	T	4	16	66	57						
MEDITERRANEAN.	Madeira ...	1020.3	64	ESE	2	o	1030.6	0	63	?	S	1	-	c	2	-	66	63						
	Gibraltar ...	1018.6	57	-	0	b	1021.0	+3	55	+5	SSE	2	W	bc	*	-	70	50						
	Algiers ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Malta ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
	Salonica ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
	Athens ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
	Candia ...	*	*	*	*	*	*																	

\* Information for these columns not usually received.

† Received too late for insertion in Charts

‡ The barometric change is expressed in half-millibars

## BEAUFORT NOTATION.

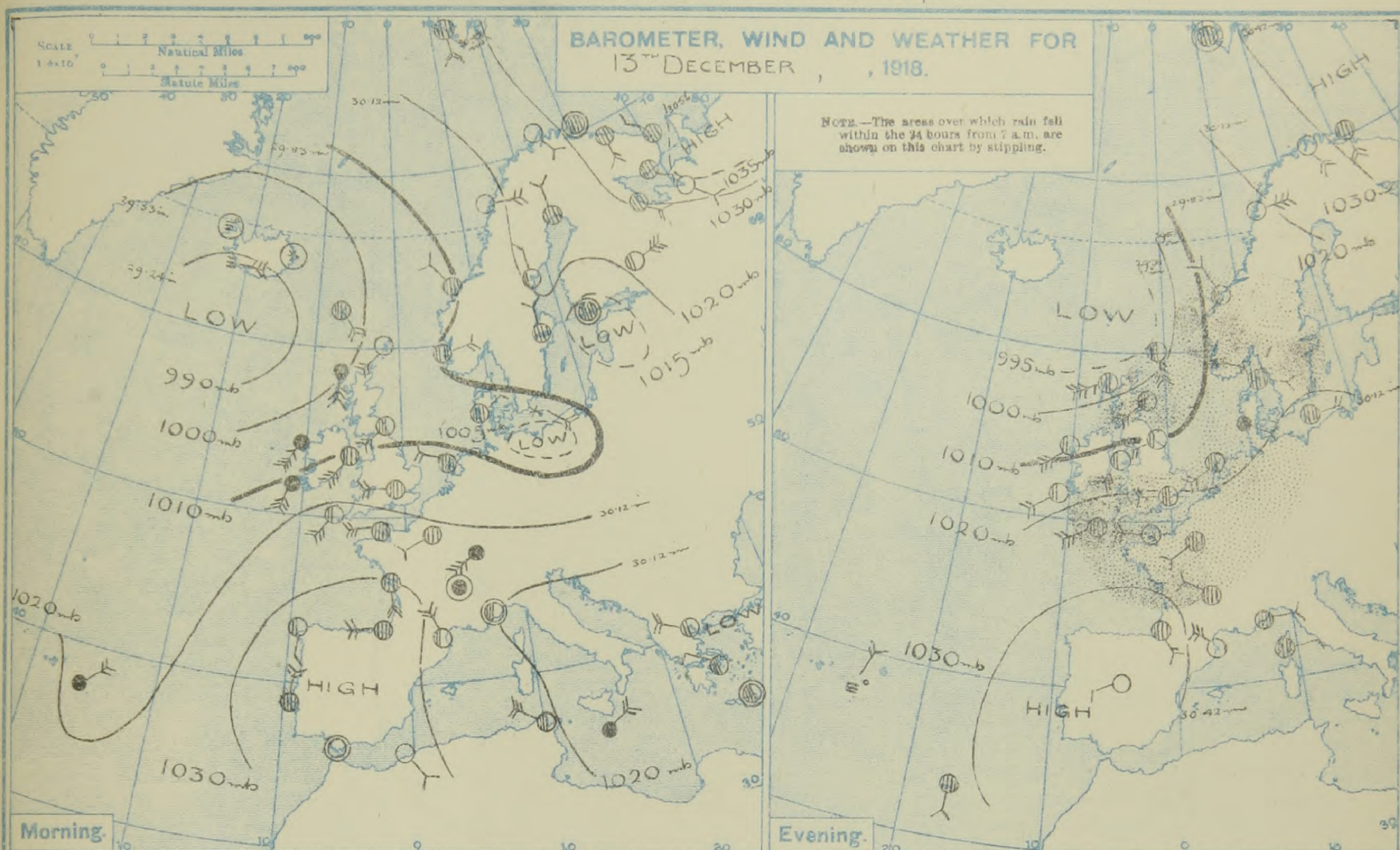
b blue sky (not more than a quarter covered).  
bc sky partly cloudy (one half covered).  
c generally cloudy (three quarters covered).  
d drizzle, or fine rain.  
e wet air without rain falling.  
f fog. g gloom.  
h hail. i lightning.  
m mist.  
o overcast sky.  
p passing showers.  
q squalls.  
r rain.  
rs sleet, i.e., rain and snow together.  
s snow.  
t thunder.  
u ugly, threatening sky.  
v unusual visibility.  
w dew.  
x hoar frost.  
y dry air; humidity less than 60



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,841

SATURDAY, 14<sup>TH</sup> DECEMBER, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 13<sup>TH</sup> DECEMBER

STATIONS.	EVENING OF 12 <sup>TH</sup>						MORNING OF 13 <sup>TH</sup>										MORNING OF 13 <sup>TH</sup>							
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.			
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.		
RUSSIA.	Orlov ...	x	*F.	x	x	x			*F.	*F.				*F.	*F.	Isafjord ...	997.2	28	-2	-	0	m		
	Kem ...	x	x	x	x	x	1029.2	x	16	?	ESE	3	0	-	x		x	Reykjavik ...	990.1	36	+2	E	5	f
	Archangel ...	x	x	x	x	x	1034.7	+2	0	?	SE	2	b	-	x		x	Vestmanna ...	989.0	39	?	E	5	c
	Mesen ...	x	x	x	x	x	1038.0	x	-8	?	-	0	b	-	x		x	Seydisfjord ...	997.2	34	-2	-	0	s
SWEDEN.	Haparanda ...						1024.6	x	18	+6	N	2	bc	x	x	Thorshavn ...	994.6	44	+1	SE	4	0		
	Hernösand ...						1020.8	x	13	-5	N	2	bc	x	x									
	Stockholm ...						1016.3	x	21	0	N	2	0	x	x									
	Wisby ...						1015.7	x	25	+6	NE	2	e	x	x									
	Sordovalä ...						1020.9	x	14	+4	E	6	bc	x	x									
Hangö ...							1014.9	x	18	0	-	0	0	x	x									
ITALY.	Venice ...							x																
	Turin ...							x																
	Pesaro ...							x																
	Leghorn ...							x																
	Rome ...							x																
	Viesti ...							x																
	Brindisi ...							x																
	Cagliari ...							x																
	Palermo ...							x																
	Tripoli ...							x																
	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																Dec 4 <sup>TH</sup> 15 <sup>TH</sup> 1918.			Sunrise.	Noon.	Sunset.		
																	G.M.T.			G.M.T.	G.M.T.			
Yarmouth ...																7.59	11.28	3.36						
Greenwich ...																8.0	11.48	3.36						
Wick ...																8.0	11.55	3.49						
Valencia ...																8.1	11.55	3.49						
																8.57	12.7	3.16						
																8.58	12.7	3.16						
																8.44	12.36	4.27						
																8.45	12.36	4.27						

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

Dec 14 15 <sup>TH</sup> 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...		7.59	12.8	3.36
Greenwich ...		8.0	12.48	3.36
Wick ...		8.57	12.7	3.16
Valencia ...		8.44	12.36	4.27

LONDON	Humidity.		Sun-shine for 12 hours.	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
December 14 <sup>TH</sup> 9 h. G.M.T.	13 <sup>TH</sup>	14 <sup>TH</sup>	13 <sup>TH</sup>	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	84	94	0.0	58	54	49	-	0	0	0
CITY (Banhill Row)	x	x	0.0	x	x	x	x	x	x	x
WESTMINSTER (St. James's Park)	82	99	0.0	59	55	50	-	x	x	x
(Roof near Charing Cross)	87	97	0.0	59	55	x	TRACE	0.0	0.0	0.0
CAMDEN SQ. (British Rainfall)	80	99	0.0	58	54	48	-	0.0	0	x
KENSINGTON PALACE	85	94	x	59	55	54	TRACE	0	0	x

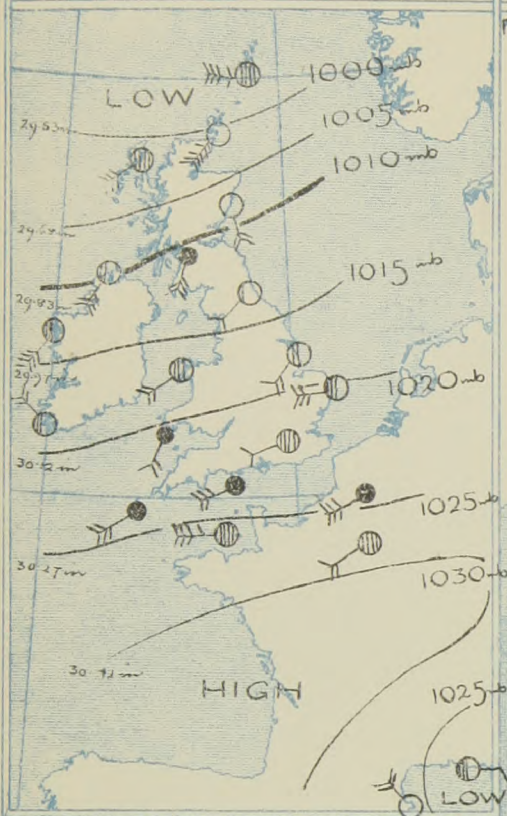
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 13 <sup>TH</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
131	4.6	12



14<sup>TH</sup>, DEC, at 1h. G.M.T.

THE MORNING OF SATURDAY, 14 DECEMBER 1918, at 7h. G.M.T.



# EXPLANATION.

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

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

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

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

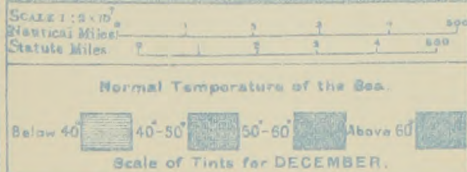
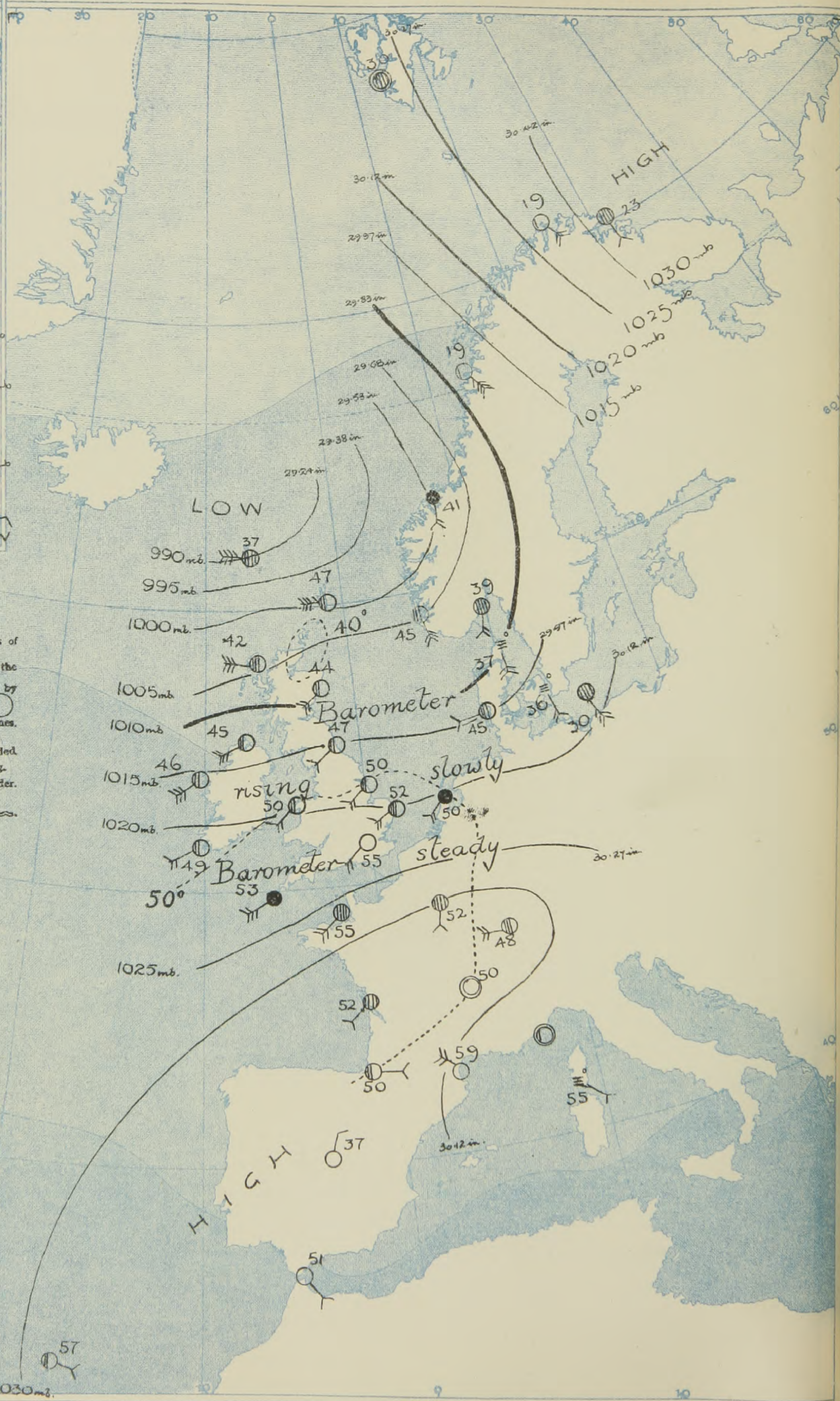
**WEATHER.**—Shown by the following symbols:—

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

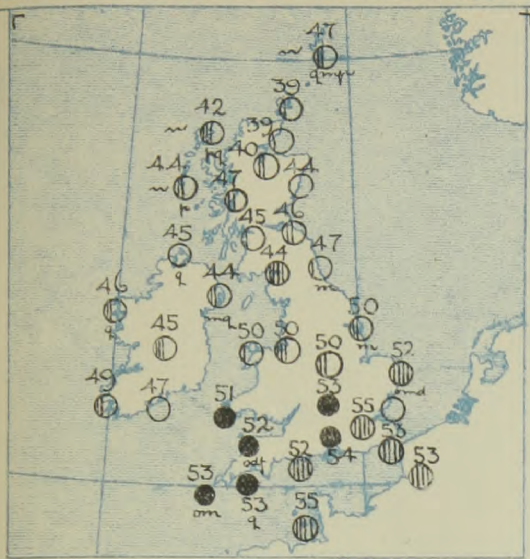
⊙ sky ¾ clouded. ⊙ overcast sky. ● rain falling.

⚡ snow. ⚡ ball. ≡ fog. ≡ mist. T, thunder.

⚡, thunderstorm. Rough ~~~~. High ~~~~.







## NOTES.

Lerwick -  
Gale 22h (13") -  
3h (14") -  
Ex. W g. at 23h.

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

During yesterday the weather was dull generally, with showers or drizzle at many places, but in the course of the night an improvement set in over these Islands, except in the south of England and Wales. Bright sunshine was nil in the south, but reached 3.3 hours at Nairn; slight rainfall was recorded at many stations, 9 mm. at Falmouth. The South-Westerly wind still continued and the weather was mild, the night minima exceeding 50° in the south of England.

## The Conditions at 7h. Today

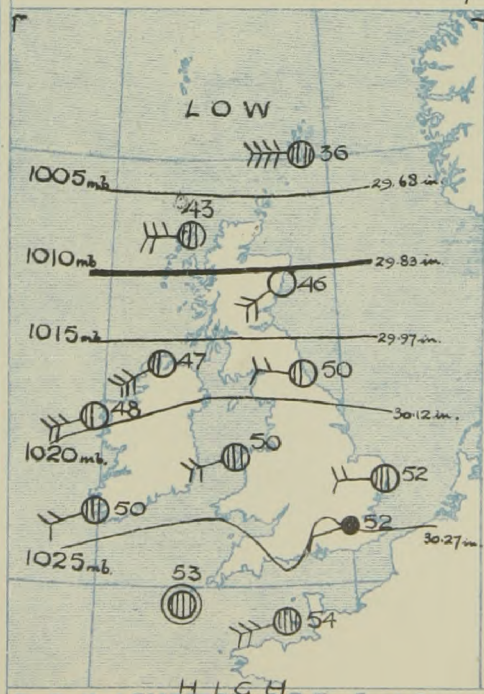
There is a large depression north of Farøe and west of the Norwegian coast, with a moderately steep gradient southwards across these Islands to a high pressure area over France and Spain. Pressure is still high in the north of Norway and Russia. Moderate or fresh winds and mild weather prevail between the Farøe and Northern France.

## The Outlook

The barometer is rising slowly generally over these Islands, and is falling in Norway, so that the depression is moving away north-eastward. In the English Channel the changes are slight, and the Westerly wind should tend to moderate. If the rise in the barometer continues a gradual improvement in the weather can be anticipated.

H.H.

SATURDAY, 14 DECEMBER, 1918, at 13h. (1p.m.) G.M.T.



The barometer is still rising slowly generally, but local irregularities of pressure have developed in the south of England.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 348.

Saturday  
14<sup>th</sup> December

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> Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Dir.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	994.9	47	SSE	7	cmq	993.8	0	47	+3	WNW	7	-	bcqmp	5	4	48	38	cmf	cmq	bcqpl	0.9
	Deerness (Orkney)	997.3	49	SW	5	b	1004.7	*	39	-5	WSW	4	-	b	4	2	50	38	o.c.	cp.b.c.	b.b.c.	0.0
	Stornoway	996.8	49	WSW	7	cpq	1004.0	+2	42	-6	W	6	-	cpq	5	8	53	36	c.cpq	o.cpq	cpq	0.0
	Castletay (Barra Isd.)	1001.3	49	WSW	7	c	1006.5	+3	44	-8	W	7	-	bc	6	-	53	43	o	o.c.o	c.o.b.c.	0.0
	Glasgow	1009.2	50	WSW	4	bcm	1013.4	+2	45	+5	SW	4	-	b3	*	1	55	44	cmfcpq	c.bcm	bc.b3	0.0
	Esksdalemuir	1010.6	48	SW	5	c	1016.2	+3	44	-4	SSW	4	-	o	*	2	52	43	cm.o	cp.o.c	c.o	0.0
	Malin Head	1004.9	50	WSW	6	b	1011.8	+2	45	-8	WSW	5	SW	bcq	5	0.3	54	45	bcq	bc	bcq	2.2
	Blacksod Point	1009.5	48	SW	6	bcm	1015.7	+3	46	-8	SW	6	SW	bcq	6	1	54	39	bcmq	bcm	q.b.c.	*
	Valencia (Cahirveen)	1016.4	53	SW	4	bc	1021.3	+2	49	-6	WSW	3	-	bc	4	0.1	55	48	o.c	c.b.c	c.b.c	0.2
	Roche's Point	1017.9	51	SW	3	o	1021.2	+1	47	-7	WSW	1	-	b	3	1	55	46	d.cm	ot	o.c.b	*
NORTH EUROPE.	Birr Castle	1013.3	52	SW	3	c	1019.4	*	45	-9	SW	1	-	e	*	1	57	43	c	c	c	0.0
	Donaghadee	1011.1	51	WSW	4	bmq	1015.8	+2	44	-11	WSW	4	SW	bcmq	3	1	56	44	cmq	bcq	bcq	*
	Liverpool (Bidston)	1015.8	54	SW	3	o	1019.7	+2	50	-4	WSW	2	SW	c	3	-	57	49	o.c	c.o	bc.o.c	0.3
	Holyhead	1015.7	52	SW	5	bc	1018.8	+2	50	-3	SW	3	-	b	2	-	54	49	o.c.cq	o.c.b.c	b.b.c.	0.0
	Pembroke (St. Ann's)	1019.4	53	WSW	4	o	1021.9	+2	51	-2	SW	1	-	ot	4	1	53	51	oq.c.o	oq.pd	o.c.ot	0.0
	Hartland Quay	1021.4	53	SW	6	odf	1022.8	0	52	-1	SW	2	-	odf	4	8	54	51	oq.odf	cm.odf	odf	*
	Scilly (St. Mary's)	1022.6	54	WSW	5	o	1022.7	-1	53	0	WSW	5	-	cmf	6	4	54	53	bc.c.o	o.c.mq	cmf	0.0
	Falmouth	1022.6	54	SW	6	odmq	1023.0	-1	53	0	SW	7	-	tg	9	54	53	cmq	odmq	dg.mq	0.0	
	Jersey (St. Aubin)	1026.5	55	W	4	oe	1027.2	0	55	0	SW	4	-	o	3	TRACE	57	53	cmq	b.c	odmq	1.2
	Portland Bill	1022.2	53	WSW	5	o	1022.6	0	52	0	WSW	5	-	o	4	0.3	54	51	cm	o	od	*
FRANCE, &c.	Dungeness	1021.7	52	WSW	4	c	1023.3	0	53	0	WSW	4	-	o	4	1	53	51	c.o	o.c	c.o.d.o	*
	Wick	999.0	47	SW	4	bcm	1006.0	+2	39	-8	SW	3	-	b	4	4	50	37	cm.bcm	bcm	bc	*
	Nairn	1000.3	49	WSW	7	qbc	1007.3	*	40	-5	W	3	-	bc	2	4	53	38	o.p.c	c.b.cq	bcq	3.3
	Aberdeen	1004.2	52	SW	4	bcq	1009.6	+4	44	0	SW	4	-	b	2	3	53	43	cm.cm	o.b.bq	bcq	0.0
	Leith	1005.9	52	WSW	7	bc	1012.1	+1	46	-1	SW	5	-	bc	3	1	58	45	dm.oq	cm.b.c	bcq	*
	Tynemouth	1009.2	55	WSW	3	bcmq	1015.5	+2	47	-1	SW	2	-	bm	2	-	57	47	cmq	cmq	bm	*
	Spurn Head	1014.8	52	W	4	bcq	1019.8	+1	50	-2	SW	3	-	bcm	3	-	55	48	cmq	bcq	bcm	0.0
	Yarmouth (Gorleston)	1017.6	54	WNW	5	bcq	1020.6	+1	52	-3	WSW	3	-	cmf	3	0.4	57	52	cpq.cq	cpq.b.cq	bcq.oq	0.0
	Clacton-on-Sea	1019.7	54	W	4	cm	1022.0	0	53	-3	WSW	4	-	c	3	-	57	50	c.o	cm	cm.c	0.0
	Nottingham	1016.0	57	W	3	o	1020.4	*	50	-7	SW	1	SW	bc	*	-	57	50	d.cm	o	c.b.c	0.0
IBERIA, &c.	Benson (Oxon.)	1019.9	55	SSW	5	bc	1021.1	+1	53	-1	W	1	-	t	*	1	55	53	o	bc	ot	*
	Sth Farnborough	1021.2	55	SW	4	o	1022.6	0	54	-2	SSW	5	-	odm	*	0.3	57	53	o.od	o.c.o	o.c.odm	0.0
	Salisbury Plain	1021.7	55	SW	3	o	1022.5	0	54	-1	SW	3	-	t	*	0.1	56	53	odq	odq	ot.od	0.0
	London (Kew Obs.)	1020.8	56	W	3	c	1022.7	+1	55	-2	SW	3	-	o	*	-	56	54	o.c.o	o.c	c.o	0.0
	Spitsbergen	1028.2	30	-	0	o	1024.3	-2	30	-2	-	0	*	o	*	32	28					
	Vardø	1034.3	23	S	4	o	1031.5	-3	23	?	S	2	-	o	2	*	30	16				
	Gjesvær	1028.0	21	SE	4	b	1027.0	*	19	-8	SE	4	-	b	2	-	27	19				
	Bodø	1020.8	23	E	6	b	1012.6	-7	19	-6	SE	7	-	b	3	-	25	14				
	Christiansund	1009.9	34	NW	2	c	998.4	-2	41	+7	SSW	3	-	r	2	2	41	32				
	Skudesnaes	1010.6	36	ESE	7	o	1007.9	?	45	+11	SSE	5	-	c	5	3	45	34				
MEDITERRANEAN.	Færder (Xtanta Fjord)	1019.7	32	SSE	4	o	1009.7	-3	39	+12	SSW	3	-	o	3	5	39	27				
	The Scaw (Skagen)	1018.6	34	ESE	2	o	1010.0	-2	37	*	S	4	-	m	4	4	39	30				
	Blaavands Huk	1017.1	37	ESE	2	t	1015.7	+2	45	+9	W	2	-	c	*	2	46	32				
	Copenhagen	1020.3	32	SE	4	o	1016.8	-4	36	+2	W	3	-	m	*	1	36	32				
	Bornholm	1019.7	34	E	4	o	1019.1	-4	30	-2	SSE	5	-	o	1	TRACE	34	27				
	The Helder	1016.8	50	SW	4	c	1021.1	+2	50	+2	SW	3	-	r	2	2	50	48				
	C. Gris Nez	1022.0	52	WSW	6	o	1024.4	0	52	0	SW	6	*	o	*	10	57	46				
	La Hève	1027.3	52	WSW	5	f	1027.9	-2	52	0	W	5	*	o	*	-	54	48				
	Brest (St. Mathieu)	1023.0	55	SW	4	o	1028.0	0	54	0	SW	3	*	bc	*	TRACE	55	52				
	Roche fort (le d'Aix)	1023.5	55	W	3	m	1032.0	0	52	-3	SW	2	*	o	*	1	55	50				
	Biarritz	1032.8	57	SE	3	o	1031.1	0	50	-7	E	2	*	bc	*	-	57	48				
	Paris	1027.6	57	WSW	2	o	1030.3	+1	52	-2	SSW	2	*	o	*	-	63	48				
	Belfort	1022.0	52	WSW	6	o	1032.3	*	48	-2	W	4	*	c	*	10	57	46				
	Lyons	1029.5	55	NW	2	o	1032.2	+1	50	+2	-	0	*	b	*	1	55	50				
	Nice	1018.6	48	E	2	o	1022.1	+4	50	+4	-	0	*	b	*	-	52	46				
	Perpignan	1028.0	61	NW	5	b	1027.7	-1	59	-4	NW	4	*	b	*	-	64	55				
	Sanguinaire	1018.0	57	E	1	b	1021.2	+4	55	0	SE	2	*	m	*	-	63	50				
	Corunna	1033.1	57	N	1	c	1033.1	+1	48	-3	-	0	-	c	2	-	63	46				
	Madrid	1032.7	50	WSW	1	b	1034.7	+1	37	?	NNE	1	-	b	*	-	54	36				
	Lisbon	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
	Azores (Horta)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	" (P. Delgada)	1019.9	*	NNE	3	m	*	*	*	*	*	*	*	*	*	*	*	*				
	Madeira	1029.7	64	S	2	o	1030.4	+1	57	-6	ESE	2	-	bc	3	-	68	55				
	Gibraltar	1030.8	51	SE	2	b	1030.1	*	48	?	-	0	*	b	1	-	67	47				
	Algiers	*	*	*	*	*	1018.6	+2	59	?	NNW	4	-	c	3	2	61	55				
	Malta	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	Salonica	*	*	*	*																	

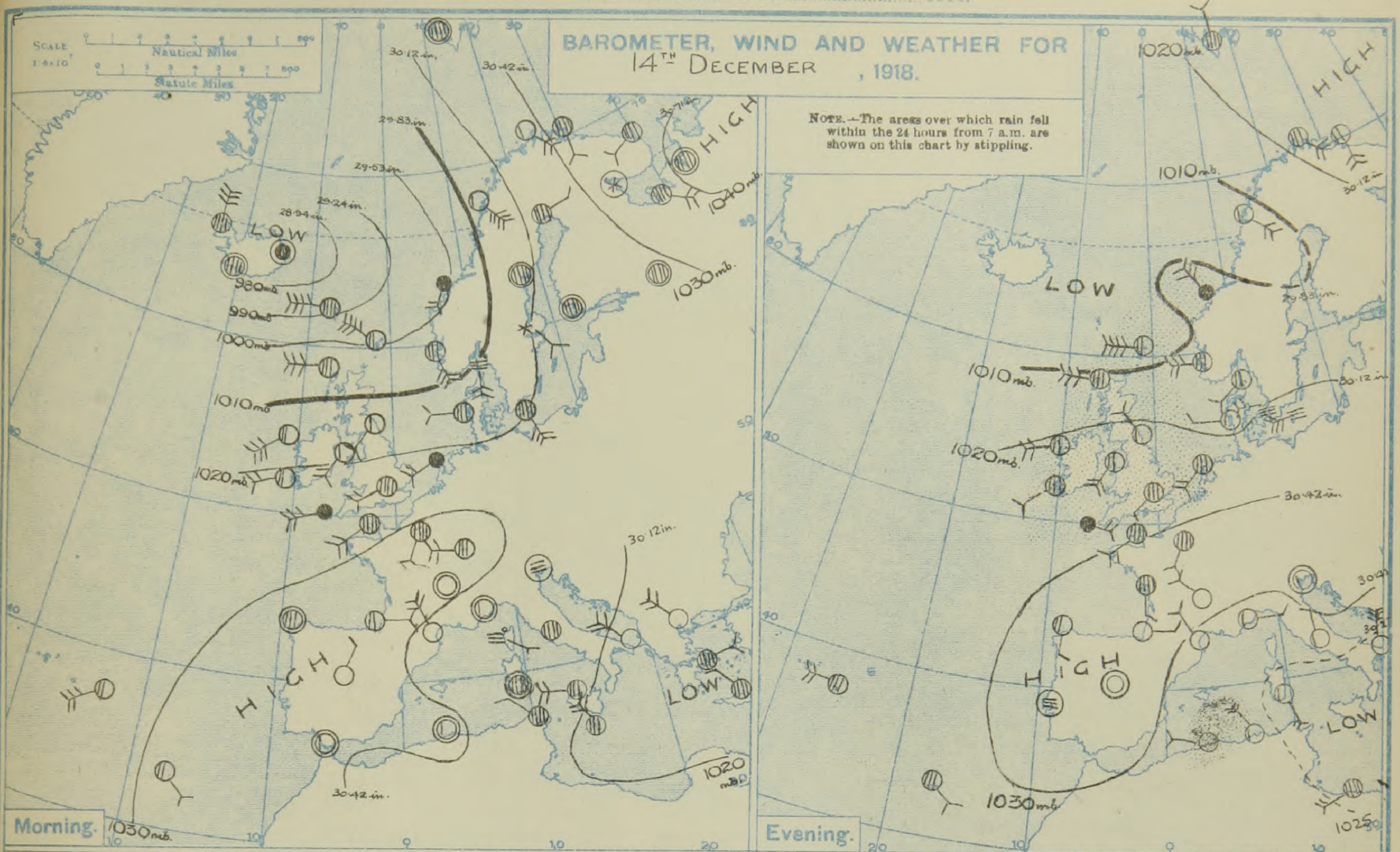
## THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.2-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,842 SUNDAY, 15<sup>TH</sup> DECEMBER, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF December 14<sup>TH</sup>.

STATIONS.		EVENING OF 13 <sup>TH</sup> .....					MORNING OF 14 <sup>TH</sup> .....										MORNING OF 14 <sup>TH</sup> .....						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		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.	*F.				
RUSSIA.	Orlov ...	x	x	x	x	x	1037.9		23	-2	-	0	b	1	x	x	Isafjord ...						
	Kem ...	x	x	x	x	x	1034.8		14	-2	-	0	s	1	x	x	Reykjavik	975.9	37	+1	N	6	c
	Archangel ...	x	x	x	x	x	1036.7	-1	10	+10	SE	3	o	-	x	x	Vestmanna	973.6	39	0	-	0	o
	Mesen...	x	x	x	x	x									x	x	Seydisfjord	973.2	34	0	-	0	r
SWEDEN.	Haparanda ...						1025.9	x	7	-11	ENE	1	o	x	x	x	Thorshavn	987.7	37	-7	W	7	o
	Hernösand ...						1019.3	x	21	+3	-	0	o	x	x	x	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Stockholm ...						1020.7	x	27	+6	SE	2	s	x	x	x							
	Wisby ...						1022.1	x	28	+3	S	2	o	x	x	x	15 <sup>TH</sup> and 16 <sup>TH</sup> Dec 1918.	Sunrise.	Noon.	Sunset.			
	Sordovalä ...						1028.4	x	16	+2	-	0	o	x	x	x	G.M.T.	G.M.T.	G.M.T.				
ITALY.	Hangö ...						1023.7	x	21	+3	-	0	o	x	x	x	Yarmouth ...	8.0	11.48	3.36			
	Venice ...	1019.3	41	NNE	1	f	1025.4	x	39		-	0	f	-	43	39	Greenwich ...	8.1	11.49	3.36			
	Turin ...	1018.2	45	-	0	c	1027.5	x	36		-	0	f	-	46	34	Wick ...	8.1	11.55	3.49			
	Pesaro ...	1019.1	43	W	6	f	1027.1	x	41		-	0	f	-	45	39	Valencia ...	8.2	11.56	3.49			
	Leghorn ...	1018.3	?	-	0	o	1022.1	x	50		-	0	c	-	55	50		8.58	12.7	3.16			
	Rome ...	1020.5	46	-	0	o	1022.6	x	39		-	0	o	-	54	39		9.0	12.8	3.15			
	Viesti ...	1017.1	52	NW	1	o	1021.8	x	52		NW	1	b	10	54	45		8.45	12.36	4.27			
	Brindisi ...	1015.7	52	-	0	m	1017.1	x	57		NW	4	b	-	64	52		8.46	12.37	4.27			
Cagliari ...	1019.1	57	W	4	c	1020.3	x	50		W	4	c	2	64	48								
Palermo ...	1022.3	84	-	0	o	1024.5	x	52		-	0	o	-	64	43								
	Tripoli ...							x															

LONDON	HUMIDITY.		Sun-shine for 14 <sup>TH</sup>	24 HOURS ENDED at 15 <sup>TH</sup>							WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass	Rain-fall.	Morning.	Afternoon.	Night.			
December 15 <sup>TH</sup> 9h. G.M.T.	14 <sup>TH</sup>	15 <sup>TH</sup>	Hours.	°F.	°F.	°F.	mm.						
GREENWICH (Royal Observatory)	97	98	0.0	55	48	43	5	0.07	0.0	0.0			
CITY (Bunhill Row)	x	x	0.0	x	x	x	x	x	x	x			
WESTMINSTER (St. James's Park)	98	93	0.0	56	49	42	6	x	x	x			
" (Roof near Charing Cross)	97	96	0.0	57	51	x	6	omgd	od.0	0.07			
CAMDEN SQ. (British Rainfall)	100	89	0.0	55	48	42	6	od	od.0	x			
KENSINGTON PALACE	?	94	x	55	51	54	6	omd	0.07	x			

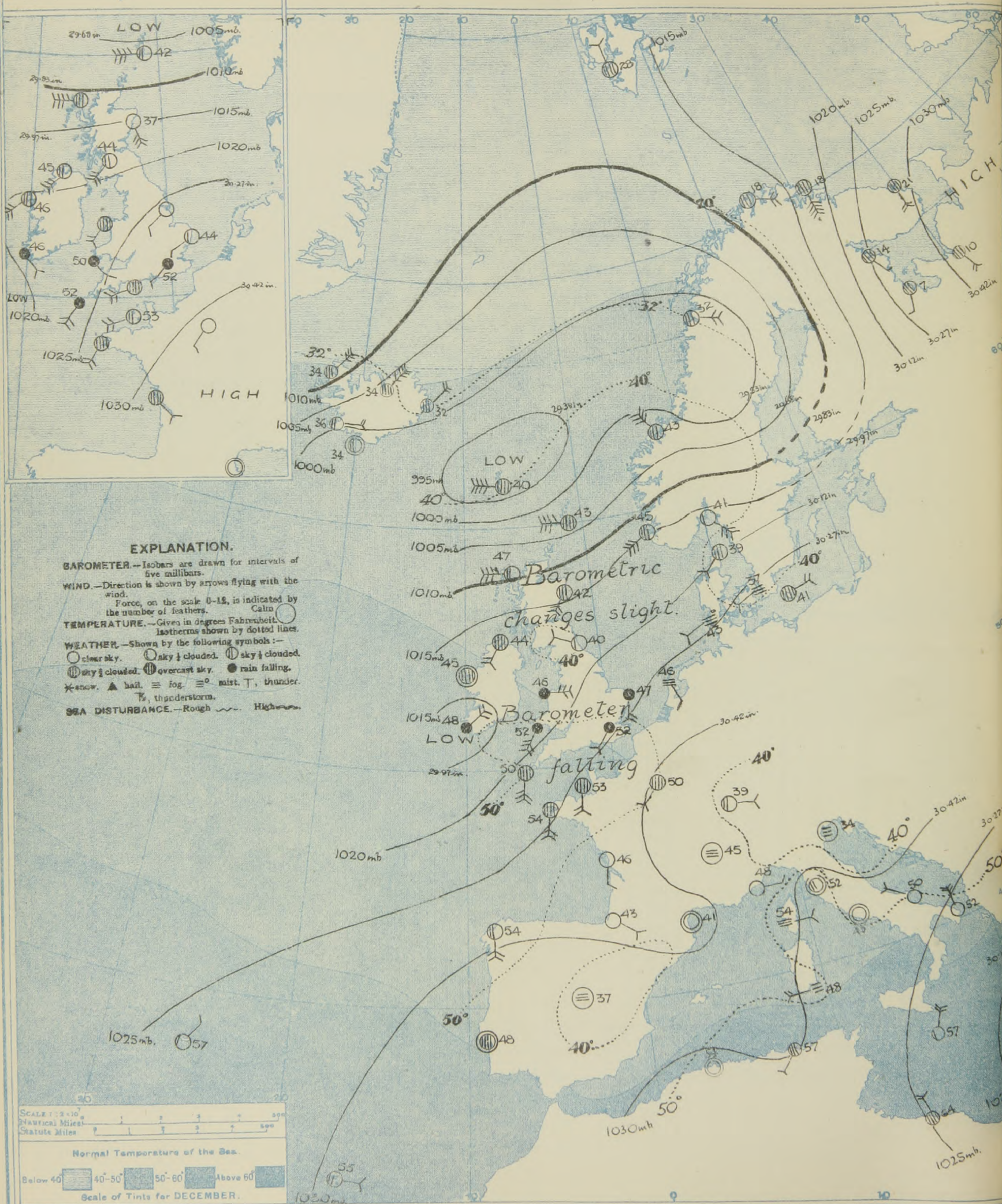
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 14 <sup>TH</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
-	-	-

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

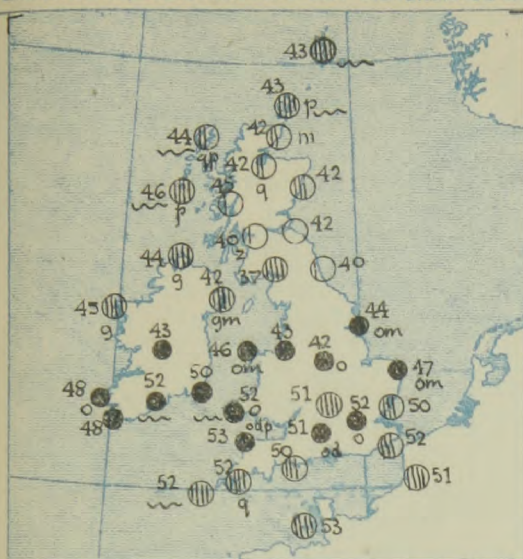


15<sup>th</sup>, DEC, at 1h. G.M.T.

THE MORNING OF SUNDAY, 15<sup>th</sup> DECEMBER 1918, at 7h. G.M.T.







NOTES.

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

Yesterday was cloudy over most of the United Kingdom and dull in the south of England, the maximum amounts of bright sunshine being 4.6 hours at Liverpool, and 4.7 hours at Eskdalemuir. Rain was recorded at nearly all stations, 22 mm. at Castlebay. There was thunder and lightning in the Orkneys and Shetlands. Under the influence of the SW. winds the weather continued mild, minima below 40° being recorded at few stations, reaching 32° at Lerwick.

The Conditions at 7h. Today

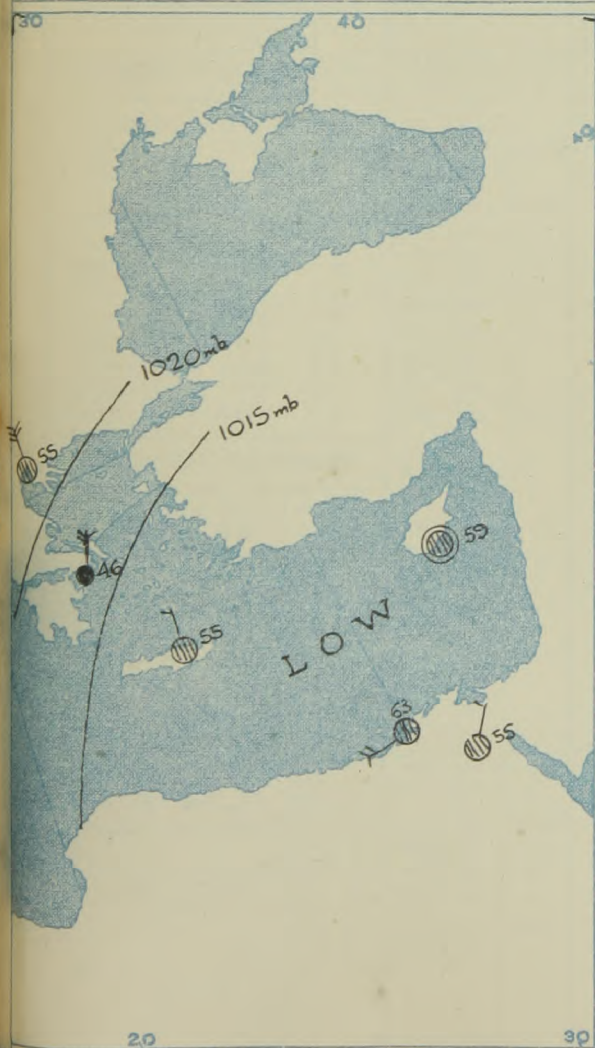
The deep depression that was near the Farøe is now centred south of Bodø, but pressure is still low north of the Farøe, and there is a gale from west at Thorshavn. A small depression has appeared on the coast of Ireland and is centred near Valencia. Pressure is high over France and Switzerland and also over Spain.

The Outlook

The barometer is changing little over Scotland but is falling in Ireland and England, and the small depression near Valencia will probably move eastward across England growing deeper as it does do.

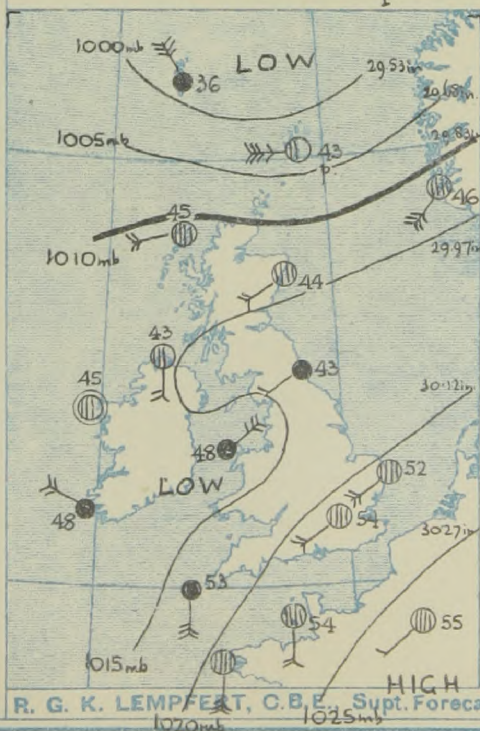
The map for 13h. shows the new depression in the west to be moving slowly north-eastward across Southern Ireland, occasioning windy and rainy conditions over the Southern half of the Kingdom, and a NWly. breeze with falling temperature, in its rear.

H.N.



Sunday, 15<sup>th</sup>

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



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

H.G. LYONS, Col., Director.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 349

Sunday  
December 15<sup>th</sup>

STATIONS.	EVENING OF 14 <sup>TH</sup>					MORNING OF 15 <sup>TH</sup>										24 HOURS ENDED 7 h. 15 <sup>TH</sup>										Sun- shine for 14 <sup>TH</sup> Hours.
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	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	1003.7	38	W	8	bcqm	1003.8	+2	43	-4	W	7	-	omqr	5	7	49	32	bcqph	omqr	bcqm	1.3				
	Deerness (Orkney)	1008.8	42	SW	5	cp	1008.4	-4	43	+4	SW	5	-	op	5	12	44	39	b bcp	plte	ctop	1.3				
	Stornoway	1009.5	43	W	6	cpq	1009.7	0	44	+2	W	7	-	bcq	6	16	47	37	cpq	cpq	bcq	1.0				
	Castlebay (Barra Isd.)	1014.3	48	W	0	bc	1014.1	0	46	+2	W	5	-	op	6	1	49	43	b c ope	cohc	opbc	1.0				
	Glasgow	1019.4	44	SW	3	bc	1018.2	-3	40	-5	SW	3	-	bz	1	46	40	b bcmf	opocb	bc bz	2.4					
	Eskdalemuir	1021.8	44	SW	4	b	1019.5	-4	37	-7	S	1	-	o	*	44	36	bc ope	bc b	b. bco	4.7					
	Malin Head	1018.7	46	SSW	4	bcq	1016.4	-2	44	-1	SSW	3	-	og	4	1	49	43	bcq	bcq	c	2.5				
	Blacksod Point	1021.0	47	WSW	4	bcg	1016.3	-4	45	-1	-	0	-	og	4	-	48	43	bcm	bcg	bczog	*				
	Valencia (Cahiriveen)	1024.8	42	SW	2	c	1013.9	-5	48	-1	ENE	4	-	or	-	12	50	41	bc c	c	c. or	2.9				
	Roche's Point	1025.3	48	SW	2	o	1015.0	-3	52	+5	SSW	5	-	r	5	16	53	46	b	bdcco	or	*				
	Birr Castle	1023.9	44	S	1	c	1016.7	*	43	-2	S	1	-	r	*	3	49	41	c	c	cor	3.2				
	Donaghadee	1022.2	42	WSW	3	bcm	1018.0	-4	42	-2	SW	2	-	ogm	2	-	49	39	bm	bm	bcwm	*				
	Liverpool (Bidston)	1025.0	45	SW	2	b	1018.8	-5	43	-7	SE	3	-	r	2	4	51	41	b	bc	bcor	4.6				
	Holyhead	1024.6	48	SW	4	bc	1016.8	-5	46	-4	E	5	-	orm	3	6	52	45	b bc c	c bc c	bc cor	3.7				
	Penbrooke (St. Ann's)	1026.5	49	-	0	b	1018.5	-1	52	+1	SSW	5	-	or	5	11	57	52	cpe	c bc	bc cor	1.9				
	Hartland Quay	1026.8	51	SSW	3	omf	1021.1	-2	53	-1	SSW	5	-	odpmg	4	7	54	50	odf	odbf	dmdm	*				
NORTH EUROPE.	Scilly (St. Mary's)	1026.7	51	ESE	3	omr	1021.3	-3	52	-1	S	5	SE	o	5	5	53	51	omdo	o omr	cpq	0.0				
	Falmouth	1027.1	50	NW	1	odm	1022.1	-3	52	-1	SSW	5	-	og	*	13	54	50	ogmo	ogdm	odqo	0.1				
	Jersey (St. Aubin)	1024.5	55	SW	3	o	1026.6	-1	53	-2	S	3	-	o	3	-	56	52	oco	o	o	0.8				
	Portland Bill	1026.3	52	WSW	3	c	1023.7	-3	50	-2	SW	4	-	c	4	0.4	53	51	od	od c	oc	*				
	Dungeness	1026.7	52	WSW	4	r	1026.5	-3	52	-1	SW	3	SW	c	3	1	54	51	qco	od	odfoc	*				
	Wick	1010.5	41	SW	4	bc	1010.8	0	42	+3	WSW	3	-	bcm	2	2	44	38	bcq	bcq	bhibc	*				
	Nairn	1012.4	43	W	3	qbc	1011.4	-4	42	+2	W	4	-	bcq	2	2	44	37	bcq	cpq	bcq	3.1				
	Aberdeen	1016.8	41	SSW	2	b	1014.9	-2	42	-2	SSW	4	SW	c	2	-	46	39	b	b	b bc c	5.2				
	Leith	1018.7	45	W	4	b	1017.4	0	42	-4	SSW	2	-	b	2	1	48	41	bcq	c bcq	bq bc b	*				
	Tynemouth	1022.1	45	NW	2	bm	1019.3	-2	40	-7	WNW	2	-	bm	2	-	50	38	bm	bm	bm	*				
FRANCE, &c.	Spurn Head	1025.4	46	W	1	bm	1022.5	-3	44	-6	S	3	-	orm	3	1	50	40	bcm	cm	bxmr	0.0				
	Yarmouth (Gorleston)	1025.5	50	WSW	2	bm	1023.8	-2	47	-5	S	3	-	omr	3	1	53	41	omdc	omf	bfomr	0.0				
	Clacton-on-Sea	1026.9	50	WSW	1	ogm	1025.2	-2	50	-3	S	8	SW	c	2	4	53	48	ogm	ogm	ogmfc	0.0				
	Nottingham	1025.8	46	W	1	b	1021.1	-4	42	-8	E	1	-	or	*	3	54	34	bc	bm	bf	1.3				
	Benson (Oxon.)	1026.8	45	-	0	b	1023.3	-2	51	-2	SSW	3	-	o	*	4	55	43	ro	bc	bc o	*				
	Sth Farnborough	1027.3	50	WSW	2	o	1024.6	-2	52	-2	SSW	4	-	om	*	7	54	48	odrm	orm o	orm o	0.0				
	Salisbury Plain	1027.9	47	W	1	om	1024.0	0	51	-3	S	2	-	od	*	5	53	47	od o	o c o	od or	-				
	London (Kew Obsy.)	1027.3	51	SW	1	cm	1024.5	-2	52	-3	SSW	2	-	or	*	5	54	47	odm om	orm om	om f or	0.0				
	IBERIA, &c.	Spitsbergen	1021.5	27	N	2	o	1014.4	-4	28	-2	N	2	*	o	*	30	25	*	*	*	*				
		Vardö	1020.6	27	S	4	bc	1017.5	0	18	-5	S	8	-	o	4	*	27	18	*	*	*	*			
Gjesvær		1020.7	19	SE	4	c	1007.5	-4	18	-1	SE	4	-	c	3	-	23	16	*	*	*	*				
Bodö		1003.3	25	ESE	4	b	997.2	0	32	+13	ESE	4	-	c	2	-	32	23	*	*	*	*				
Christiansund		1016.2	41	NW	5	r	1003.0	-1	43	+2	NW	6	-	c	5	5	43	37	*	*	*	*				
Skudesnaes		1013.3	45	W	5	c	1015.0	0	45	0	SW	6	-	c	5	-	46	41	*	*	*	*				
Færder (Xaniafjord)		1012.8	37	WSW	4	m	1015.3	+1	41	+2	SW	5	-	b	3	-	39	36	*	*	*	*				
The Scaw (Skagen)		1014.1	41	SW	2	bc	1019.1	+1	39	+2	SW	2	-	c	2	Trace	43	37	*	*	*	*				
Blaavands Huk		1021.1	43	W	2	b	1024.8	-1	43	+2	WSW	2	SW	m	*	Trace	46	39	*	*	*	*				
Copenhagen		1020.2	41	W	3	f	1025.7	+2	37	+1	WSW	2	-	f	*	Trace	41	35	*	*	*	*				
Bornholm		1019.7	41	W	5	f	1026.6	+3	41	+11	W	3	-	o	1	-	41	28	*	*	*	*				
MEDITERRANEAN.		The Helder	1026.7	46	SW	3	c	1026.3	-2	46	-4	SSE	1	-	f	1	3	50	41	*	*	*	*			
	C. Gris Nez	1027.7	52	SW	5	f	1026.7	-2	50	-2	SW	4	*	o	*	7	54	50	*	*	*	*				
	La Hève	1030.3	52	WSW	4	o	1030.4	0	52	0	SW	4	*	o	*	-	52	50	*	*	*	*				
	Brest (St. Mathieu)	1029.9	54	SW	3	o	1025.6	-2	54	0	S	4	*	o	*	-	55	52	*	*	*	*				
	Rochefort (le d'Aix)	1032.8	52	S	1	o	1029.2	-1	46	-6	S	1	*	b	*	-	54	46	*	*	*	*				
	Biarritz	1032.4	54	E	1	b	1028.2	-1	43	-7	ESE	2	*	b	*	-	59	43	*	*	*	*				
	Paris	1031.8	54	SSW	2	o	1030.1	-1	50	-2	SSW	2	*	o	*	-	55	50	*	*	*	*				
	Belfort	1033.0	*	*	*	*	1033.0	*	39	-9	E	2	*	bc	*	-	54	37	*	*	*	*				
	Lyons	1033.3	50	NW	2	b	1031.7	-1	45	-5	*	0	*	f	*	-	59	45	*	*	*	*				
	Nice	1027.8	54	E	1	b	1030.3	+1	48	-2	E	1	*	b	*	-	57	45	*	*	*	*				
MEDITERRANEAN.	Perpignan	1029.5	57	NW	2	b	1029.6	+1	41	-18	-	0	*	b	*	-	64	41	*	*	*	*				
	Sanguinaire	1036.0	54	*	*	*	1036.0	+0	54	-1	E	2	*	f	*	-	72	32	*	*	*	*				
	Corunna	1021.1	61	S	1	bc	1029.5	+1	54	+6	S	4	-	bc	3	-	61	46	*	*	*	*				
	Madrid	1031.7	48	-	0	b	1034.9	+2	37	0	-	0	-	f	*	-	50	36	*	*	*	*				
	Lisbon	1031.4	48	-	0	f	1031.5	+1	48	-	0	-	-	o	1	-	50	45	*	*	*	*				
	Azores (Horta)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	(P. Delgada)	1021.7	*	W	4	c	1026.1	0	57	-2	NE	1	*	b	2	-	64	54	*	*	*	*				
	Madeira	1029.7	63	ESE	2	c	1030.4	0	55	-2	E	2	W	bc	2	-	66	55	*	*	*	*				
	Gibraltar	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	MEDITERRANEAN.	Algiers	1029.1	57	WNW	2	b	1029.7	+1	54	0	-	0	-	b	0	10	64	52	*	*	*	*			
Malta		*	*	*	*	*	1024.3	-2	57	-2	NNE	4	-	b	4	-	63	55	*	*	*	*				
Salonica		*	*	*	*	*	1024.5	*	45	-2	N	5	NE	o	Trace	56	43	*	*	*	*					
Athens		1016.3	45	NNE	3	r	1015.8	0	46	0	NNE	3	-	r	2	8	7	45	*</							

## THE BEAUFORT SCALE OF WIND FORCE.

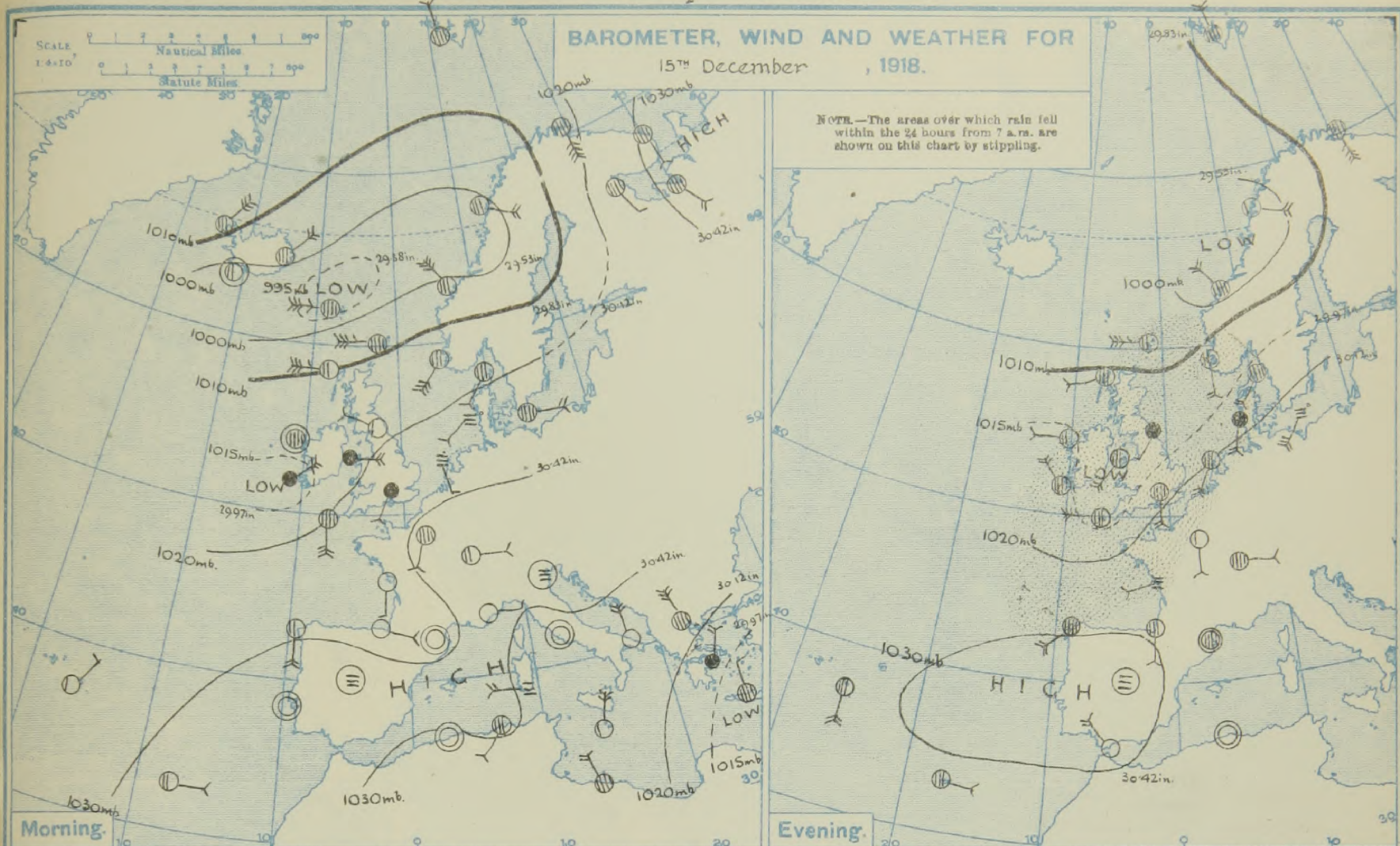
No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.1
11	64-75	28.2-33.5
12	Above 75	33.6 or above



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,843

Monday, 16<sup>th</sup> December 1918.



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

STATIONS.		EVENING OF 14 <sup>TH</sup> .....					MORNING OF 15 <sup>TH</sup> .....										MORNING OF 15 <sup>TH</sup> .....							
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.	Weather.
RUSSIA.	Orlov ...	x	* F x	x	x	x	1030.3	?	* F. 5	* F. -18	S	2	S	?	* F. x	* F. x	Isafjord ...	1010.7	34	?	NNE	6	c	
	Kem ...	x	x	x	x	x	1028.6	2	3	-11	SSW	1	b	?	x	x		Reykjavik	1008.0	36	-1	E	2	bc
	Archangel ...	x	x	x	x	x	1031.5	+2	10	0	SE	3	b	—	x	x		Vestmanna	999.0	34	-5	—	0	bc
	Mesen ...	x	x	x	x	x									x	x		Seydisfjord	1003.4	32	-2	NE	4	c
SWEDEN.	Haparanda ...							x						x	x	x	Thorshavn	992.1	40	+3	W	8	o	
	Hernösand ...							x						x	x	x	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
	Stockholm ...							x						x	x	x	16 <sup>TH</sup> & 17 <sup>TH</sup> DEC., 1918.		Sunrise.	Noon.	Sunset.			
	Wisby ...							x						x	x	x	Yarmouth ...	G.M.T.	G.M.T.	G.M.T.				
	Sordovalva ...							x						x	x	x		8.1	11.49	3.36				
	Hangö ...							x						x	x	x		8.2	11.49	3.36				
Venice ...	1031.1	43	—	0	b	1032.5	0	34	-5	—	0	f	—	50	34	8.2		11.56	3.49					
ITALY.	Turin ...	1033.0	37	—	0	f	1033.7	x	34	-2	—	0	f	—	45	34	Greenwich ...	8.3	11.56	3.49				
	Pesaro ...	1031.5	43	—	0	f	1033.4	x	39	-2	—	0	f	—	45	37		9.0	12.8	3.15				
	Leghorn ...	1027.1	54	—	0	b	1027.9	x	52	+2	—	0	bc	—	59	48		9.1	12.8	3.13				
	Rome ...	1027.5	48	—	0	b	1023.0	x	43	+4	—	0	b	—	57	43		8.46	12.37	4.27				
	Viesti ...	1027.1	50	NNW	3	b	1029.3	x	50	-2	NW	2	b	—	50	45	Wick ...	8.47	12.37	4.27				
	Brindisi ...	1023.0	54	N	6	b	1024.1	x	52	-5	N	4	b	—	57	52		8.47	12.37	4.27				
	Cagliari ...	1024.4	61	SE	3	b	1028.2	x	48	-2	W	3	f	—	66	46		8.47	12.37	4.27				
	Palermo ...							x																
	Tripoli ...	1024.5	61	WSW	3	o	1025.0	x	64	?	NNW	3	o	7	?	57								

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

16 <sup>TH</sup> & 17 <sup>TH</sup> DEC. 1918.	Sunrise.		Noon.		Sunset.	
	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.1	11.49	3.36			
Greenwich ...	8.2	11.49	3.36			
Wick ...	8.3	11.56	3.49			
Valencia ...	9.0	12.8	3.15			
	9.1	12.8	3.15			
	8.46	12.37	4.27			
	8.47	12.37	4.27			

LONDON	Humidity.		Sun-shine for 24 hours ended 9 h. 16 <sup>TH</sup>	TEMPERATURE.				WEATHER.		
	15 <sup>TH</sup>	16 <sup>TH</sup>		Max.	Min.	Min. on Grass	Rain-fall.	Morning.	Afternoon.	Night.
16 <sup>TH</sup> DEC. 9h. G.M.T.										
GREENWICH (Royal Observatory)	89	79	0.0	53	45	40	4	or	or	oc
CITY (Banhill Row)	x	x	0.0	x	x	x	x	x	x	x
WESTMINSTER (St. James's Park)	87	80	0.0	55	46	40	3	x	x	x
(Roof near Charing Cross)	91	79	0.0	54	47	x	1	or mg o	og od.	o od. bc
CAMDEN SQ. (British Rainfall)	—	79	0.0	54	45	39	2	—	—	x
KENSINGTON PALACE	—	78	x	54	46	47	2	o	or	x

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

## SOUTH KENSINGTON (M.O.)

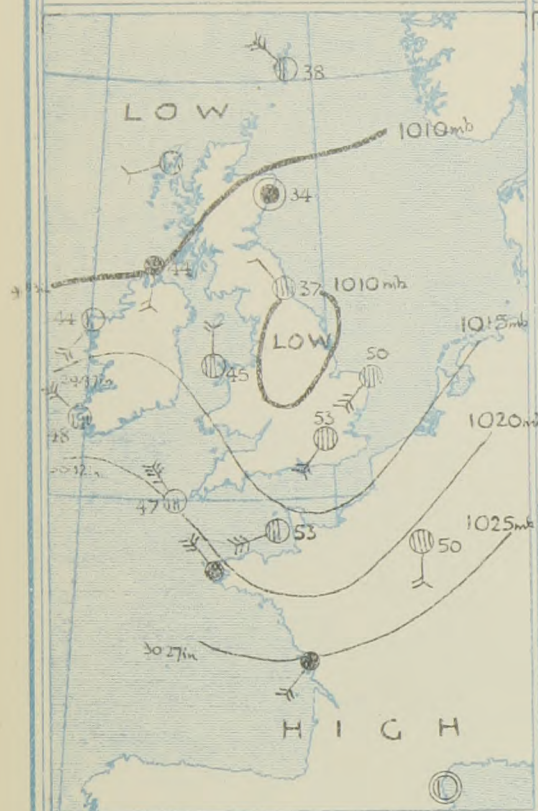
Vertical Component of Solar Radiation per square Centimetre during 15<sup>TH</sup>

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
83	2.9	7



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

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



# EXPLANATION.

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

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

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

TEMPERATURE.—Given in degrees Fahrenheit.

Isotherms shown by dotted lines.

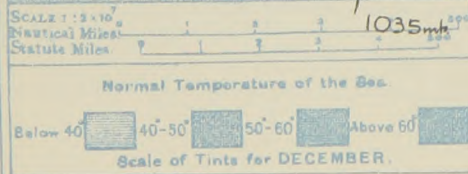
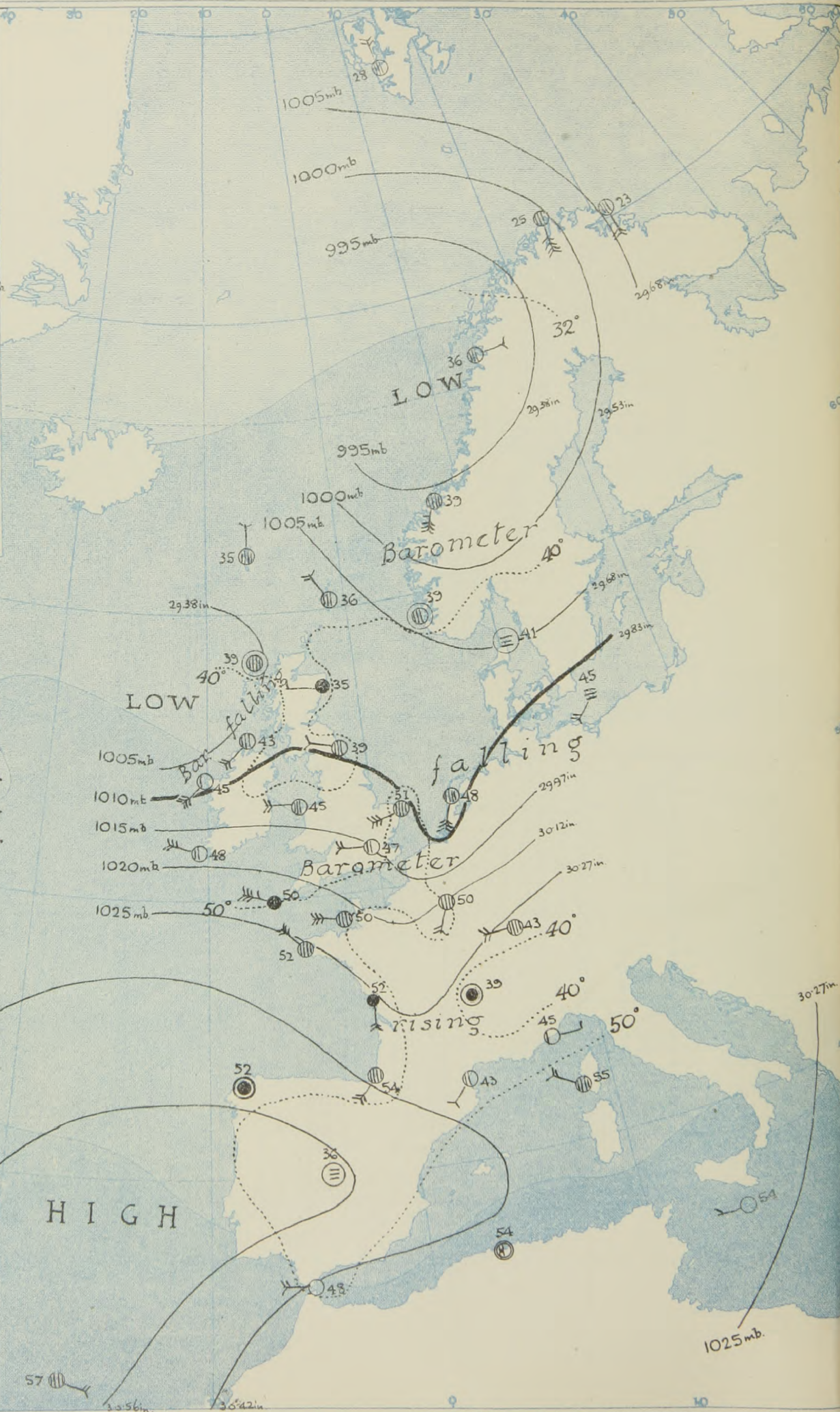
WEATHER.—Shown by the following symbols:—

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

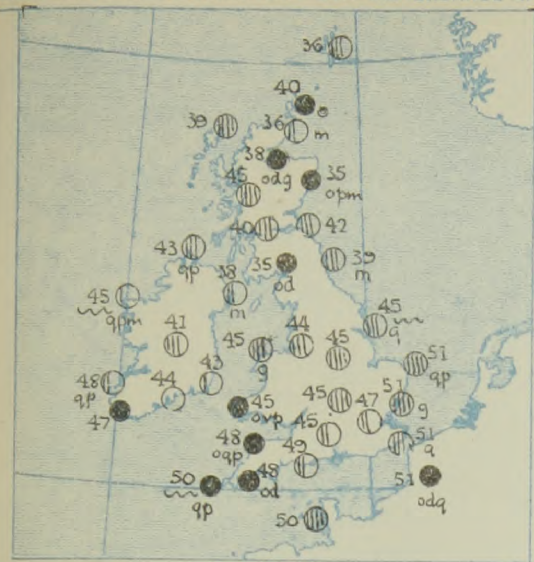
○ sky & clouded. ○ overcast sky. ○ rain falling.

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

SEA DISTURBANCE.—Rough wavy. High wavy.







NOTES.

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

The temperature rose well above 50° at most English stations. At Eskdalemuir there was a slight frost in the night. There was scarcely any bright sunshine, and rain fell at nearly all stations, 29 mm. at Holyhead, 19 mm. at Liverpool, 13 mm. at Tynemouth and 12 mm. at Birr Castle.

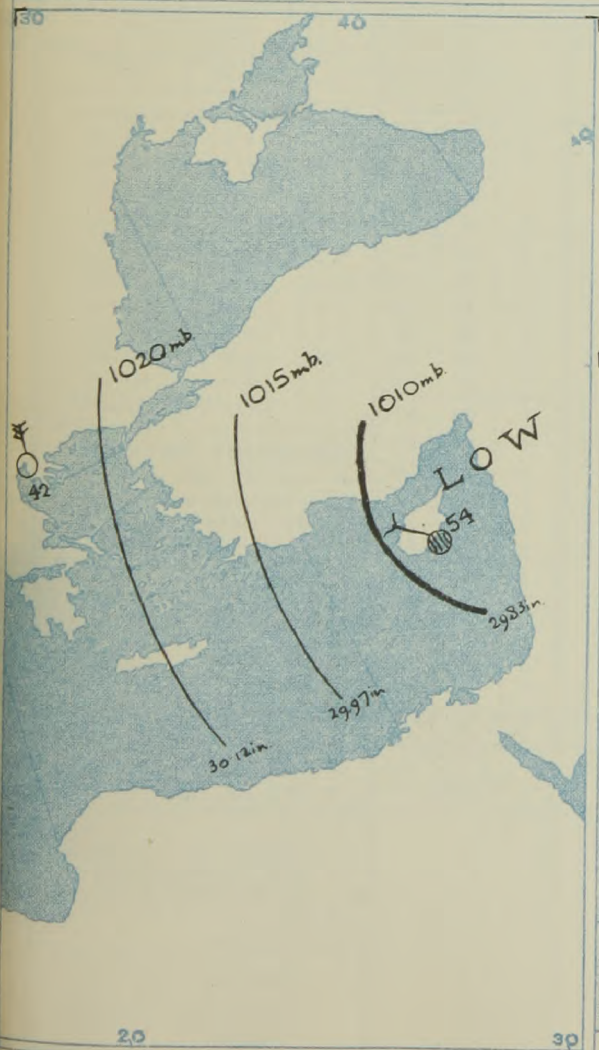
The Conditions at 7h. Today

There is a depression over the Southern North Sea, which is approaching Holland. A new depression off North-west Ireland is spreading gradually eastwards. Fresh or strong Westerly winds prevail in South Ireland and in the neighbourhood of the English Channel. In Northern Ireland the wind is freshening from SW. Over Scotland there are light Westerly breezes, and over Northern England moderate W. or WNW. winds. The weather is fair or dull, with rain at several stations. The temperature is only 35° at Aberdeen, but is up to 50° in parts of Southern England.

The Outlook

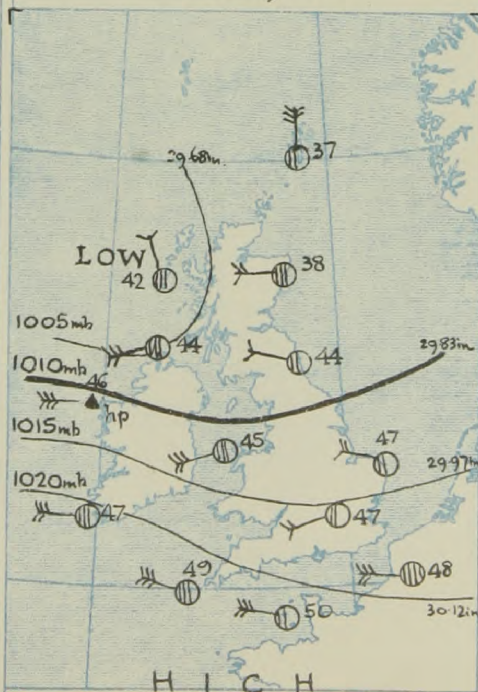
The new depression that is advancing from the west will maintain a showery and mild type of weather, with SW winds which will shortly become strong over the western half of the United Kingdom.

H. H.



Monday. 16<sup>th</sup>

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



The depression that was off North-West Ireland this morning is now near the Hebrides, and appears to be rather a shallow one. The outlook is similar to what it was this morning.



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. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	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 ...	1004.3	42	W	7	bc	1007.8	0	36	-7	NW	3	-	c	3	1	44	33	bcqp	bcqp	bcqm	1.3	
	Deerness (Orkney) ...	1008.8	43	W	4	b	1006.4	*	40	-3	ENE	4	-	OT	4	3	46	38	op.e.bc	p.bc.b	bc.pOT	0.3	
	Stornoway ...	1010.4	43	WSW	3	c	1004.9	-2	39	-5	-	0	-	o	0	4	46	37	c.o	op.c	op	0.3	
	Castlebay (Barraisd.) ...	1013.9	37	E	1	cm	1009.1	-3	40	0	WSW	3	W	c	*	1	42	34	bz.omp	o.cm	p.c	0.0	
	Eskdalemuir ...	1013.8	38	-	0	od.	1010.5	-1	35	-2	S	2	-	od	*	1	40	30	o.od.o	o.c.o	op.bca	0.0	
	Malin Head ...	1013.3	43	SSW	3	cg	1006.9	-2	43	-1	SW	4	SW	cqp	4	0.4	46	42	cg	cg	cqp	0.0	
	Blacksod Point ...	1015.3	44	W	2	bc	1008.9	-4	45	0	SW	6	-	bmqp	5	2	45	9	og	bc	bcmqp	*	
	Valencia (Cahiriveen) ...	1016.9	47	NNW	4	o	1019.1	0	48	0	WNW	5	NW	bcqp	9	10	49	46	ro.ro	o.c.o	cocba	0.1	
	Roche's Point ...	1012.7	47	NW	5	o	1018.9	0	44	-3	W	3	-	b	3	10	53	42	dome	om.ro	o.b	*	
	Birr Castle ...	1013.9	43	N	1	T	1014.7	*	41	-2	W	1	-	c	3	12	45	36	OT	OT	cp	0.0	
	Donaghadee ...	1013.5	45	NNE	2	ogmp	1011.4	-1	38	-4	WSW	3	W	bcqm	2	0.2	46	38	ogmp	ogmp	bm	*	
	Liverpool (Bidston) ...	1011.6	51	SSE	3	o	1013.1	+1	44	+1	W	4	W	c	3	19	53	43	OT	OT	bc.o.c	0.0	
	Holyhead ...	1010.9	51	SW	4	ce	1012.9	-1	45	-1	W	4	-	cg	3	29	52	44	orm	orm	c.ogt	0.0	
	Pembroke (St. Ann's) ...	1012.4	52	SSW	4	op	1017.3	+1	45	-7	WNW	4	W	cvp	4	16	53	45	ogp	ogpm	ov.ogp	0.0	
	Hartland Quay ...	1013.2	53	SSW	5	odpm	1019.0	0	48	-5	WSW	5	-	opq	4	8	54	47	odpm	dmt.dm	dmt.og	*	
NORTHERN EUROPE.	Scilly (St. Mary's) ...	1013.3	52	W	5	cp	1021.8	0	50	-2	WNW	7	-	cqp	6	3	53	47	cpq.om	om.m	o.cqp	0.0	
	Falmouth ...	1012.8	53	S	7	odq	1021.2	0	48	-4	WSW	4	-	od	*	7	53	44	od.omq	omrdq	ogrd	0.0	
	Jersey (St. Aubin) ...	1020.9	53	S	5	o	1021.3	+3	50	-3	W	6	-	o	4	3	56	50	o	o.c.b.o	odr.o	0.8	
	Portland Bill ...	1016.7	53	SSW	5	cp	1017.5	+7	49	-1	WNW	5	NW	bc	4	2	54	49	c.o	o.c.p	bc.p	*	
	Dungeness ...	1019.9	53	SW	4	c	1012.4	-1	51	-1	WSW	5	SW	cq	4	2	53	50	c	c	cqp.c	*	
	Wick ...	1010.4	38	SW	3	bcqm	1005.9	-2	36	-6	W	1	-	bcqm	2	-	43	34	bcqm	cm.bcm	bcm	*	
	Nairn ...	1011.0	40	-	0	bc	1005.8	*	38	-4	-	0	-	dgo	1	0.4	45	36	bc.cgo	og.bc	bc.d.c	0.0	
	Aberdeen ...	1012.8	37	SSW	1	bm	1007.3	-3	35	-7	W	1	-	omp	2	trace	44	33	c.om	o.c.bm	bc.om	0.0	
	Leith ...	1013.1	39	SW	1	b	1008.0	-1	42	0	W	2	W	c	2	-	51	36	b.bc.c	o.c.z.b	bmouc	*	
	Tynemouth ...	1012.9	42	SW	1	my	1009.7	-1	39	-1	WNW	2	-	om	2	13	44	38	omr	omr	om	*	
	Spurn Head ...	1014.7	50	SW	4	c	1010.5	+2	45	+1	NW	5	-	cq	5	5	51	41	omr.c	omr.c	cqp	0.0	
	Yarmouth (Gorleston) ...	1017.5	51	SW	4	bc	1010.2	-3	51	+4	WSW	5	-	ogp	4	1	53	46	omr.om	om.bcm	ogp	0.0	
	Clacton-on-Sea ...	1019.8	50	WSW	3	og	1012.2	+2	51	+1	W	4	W	og	3	3	51	49	cog	og	ogp	0.6	
	Nottingham ...	1014.3	52	SW	3	od	1013.3	*	45	+3	W	2	W	o	*	9	54	42	ro	c.OT	ro	0.1	
	Benson (Oxon.) ...	1016.9	52	SSW	4	o	1014.7	+8	45	-6	W	3	SW	o	*	3	53	45	o.bc	o	nl	*	
Sth Farnborough ...	1018.4	52	SW	4	o	1015.5	+6	47	-5	NW	5	-	o	*	3	53	47	OT.O	OT.O	OT.O	0.0		
Salisbury Plain ...	1017.6	52	SW	3	od.	1016.7	+5	45	-6	WNW	5	W	bc	*	3	52	43	o	OT.O	rdq.cq	*		
London (Kew Obs.) ...	1019.0	52	S	3	o	1015.2	+8	47	-5	W	3	W	bc	*	2	54	46	OT.O	OT.O	OT.O	0.0		
FRANCE, &c.	Spitsbergen ...	1011.1	27	N	4	o	1007.0	0	28	0	N	4	*	c	*	28	21						
	Vardö ...	1014.6	27	S	7	o	1009.3	-1	23	+5	S	4	*	c	3	*	27	18					
	Gjesvær ...	1001.9	30	S	9	b	999.4	*	25	+7	S	8	-	c	3	-	25	16					
	Bodö ...	997.6	36	ESE	4	b	992.7	-2	36	+4	E	2	-	c	2	-	37	27					
	Christiansund ...	997.6	41	NW	4	o	995.4	-2	39	-4	SSW	7	-	o	5	-	46	37					
	Skudesnaes ...	1010.7	45	S	3	bc	1004.8	-5	39	-6	-	0	-	c	4	2	46	37					
	Færder (Xianta Fjord) ...	1011.4	43	SW	6	bc	1004.3	-3	41	0	SW	3	-	o	3	-	43	41					
	The Scaw (Skagen) ...	1015.4	43	SSW	3	o	1005.0	-3	41	+2	-	0	-	f	0	1	43	39					
	Blaavands Huk ...	1021.7	41	WSW	2	f	1010.0	-3	46	+9	SW	3	-	m	*	1	46	36					
	Copenhagen ...	1024.2	39	SSW	5	m	1012.3	-3	45	+4	SW	5	-	f	1	4	45	37					
	Bornholm ...	1019.3	48	SSW	4	c	1008.6	-5	48	+2	SSW	5	-	o	3	2	50	46					
	The Helder ...	1021.1	52	S	4	o	1013.3	+3	52	+2	W	6	W	o	5	2	54	48					
	C. Gris Nez ...	1023.5	54	SSW	4	o	1019.0	+1	50	-2	WSW	7	*	o	7	trace	54	50					
	Brest (St. Mathieu) ...	1019.0	54	SSW	5	o	1025.6	?	52	-2	NW	5	*	o	*	3	55	50					
	Rochefort (Ile d'Aix) ...	1027.0	48	WSW	2	f	1025.3	+1	52	+6	S	4	*	r	*	2	55	46					
Biarritz ...	1027.3	52	S	2	c	1029.6	+1	54	+11	SW	4	*	o	*	-	57	43						
IBERIA, &c.	Paris ...	1032.0	54	SSW	2	o	1020.7	0	50	0	SSW	3	*	o	*	-	57	45					
	Belfort ...	1029.0	41	E	2	o	1026.4	*	43	+4	W	4	*	o	*	-	48	39					
	Lyons ...	1022.4	48	-	0	o	1028.7	0	39	-6	-	0	*	r	*	-	48	39					
	Nice ...	1027.7	55	-	0	o	1027.7	-1	45	-3	E	1	*	b	*	-	57	45					
	Perpignan ...	1027.7	55	-	0	o	1028.3	0	43	+2	SW	2	*	bc	*	-	57	32					
	Sanguinaire ...	1029.0	57	E	1	m	1027.3	-2	55	+1	NW	3	*	o	*	-	70	52					
	Corunna ...	1029.9	57	SW	4	o	1034.7	+2	52	-2	-	0	-	r	1	3	59	52					
	Madrid ...	1033.3	41	-	0	f	1035.1	+2	36	-1	-	0	-	f	*	trace	39	36					
	Lisbon ...	1030.4	*	S	4	c	1030.4	+1	63	+6	SSE	4	*	b	4	-	63	55					
	Azores (Horta) ...	1028.6	*	S	4	c	1030.4	+1	63	+6	SSE	4	*	b	4	-	63	55					
	„ (P. Delgada) ...	1028.6	*	S	4	c	1030.4	+1	63	+6	SSE	4	*	b	4	-	63	55					
	Madeira ...	1029.7	63	E	2	c	1036.4	-0	57	+2	ESE	3	N	o	3	-	66	55					
	Gibraltar ...	1030.5	53	NW	3	b	1029.8	*	48	-	W	3	*	b	1	-	63	47					
	MEDITERRANEAN.	Algiers ...	1029.2	55	-	0	b	1029.0	+0	54	0	-	0	W	bc	0	-	61	52				
		Malta ...	*	*	*	*	*	1025.1	+1	54	-3	W	1	-	b	3	-	59	52				
Salonica ...		*	*	*	*	*	1024.8	?	42	-3	N	5	-	b	*	trace	55	41					
Athens ...		*	*	*	*	*	1008.3	0	54	-5	NW	2	-	o	6	34	63	50					
Candia ...		*	*	*	*	*	1008.3	0	54	-5	NW	2	-	o	6	34	63	50					
Limassol ...		*	*	*	*	*	1008.3	0	54	-5	NW	2	-	o	6	34	63	50					
Alexandria ...		*	*	*	*	*	1008.3	0	54	-5	NW	2	-	o	6								

THE BEAUFORT SCALE OF WIND FORCE.

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

BEAUFORT NOTATION.

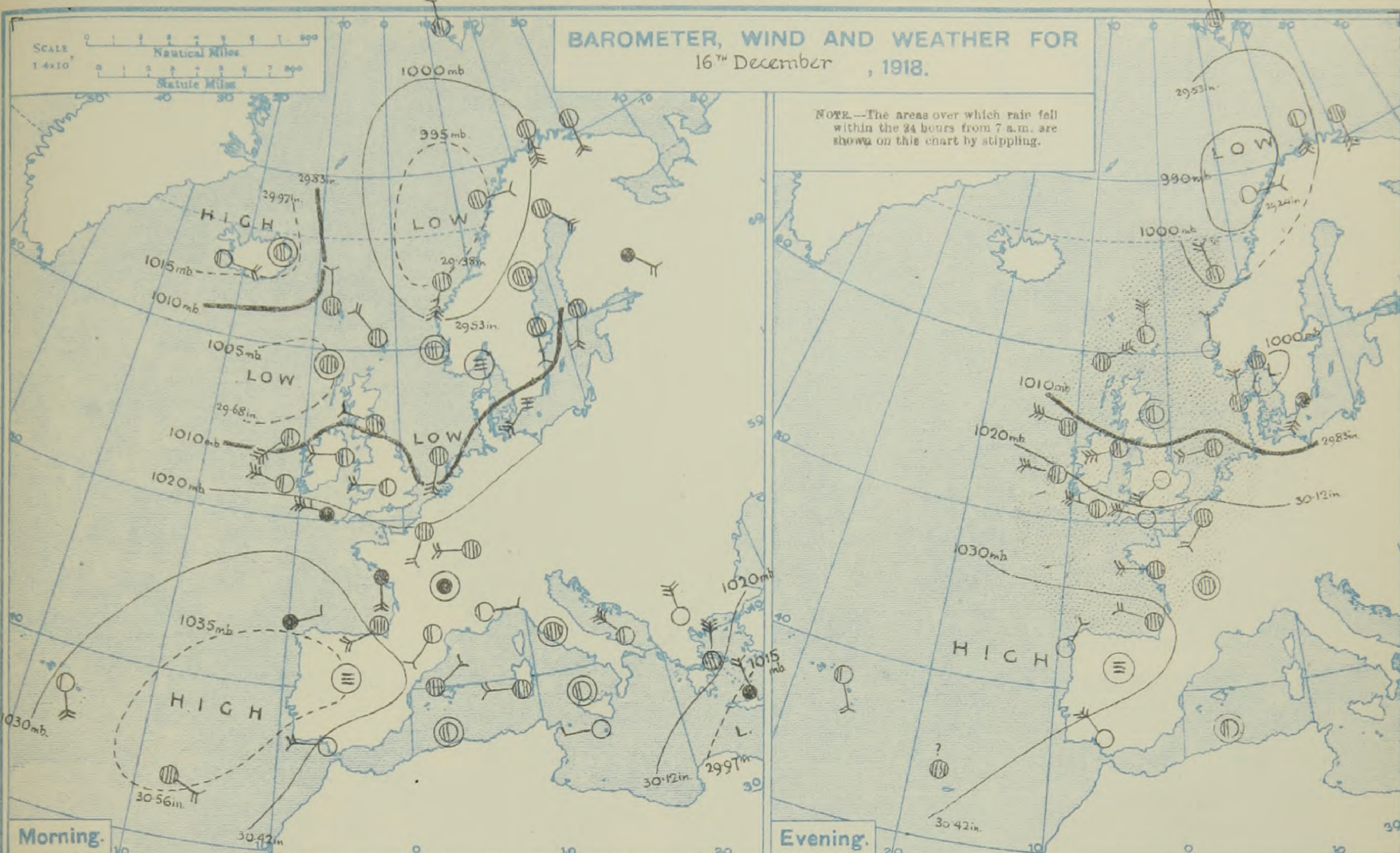
b blue sky (not more than a quarter covered).  
bc sky partly cloudy (one half covered).  
c generally cloudy (three quarters covered).  
d drizzle, or fine rain.  
e wet air without rain falling.  
f fog.  
g gloom.  
h hail.  
i lightning.  
m mist.  
o overcast sky.  
p passing showers.  
q squalls.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



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

Tuesday, 17<sup>th</sup> December, 1918.

No. 20,544



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 16<sup>th</sup> DECEMBER.

STATIONS.		EVENING OF 15 <sup>TH</sup>					MORNING OF 16 <sup>TH</sup>											MORNING OF 16 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.				
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.	Force 0-12.	Weather.	
RUSSIA.	Orlov ...	x	° F. x	x	x	x									° F. x	° F. x								
	Kem ...	x	x	x	x	x									x	x								
	Archangel ...	x	x	x	x	x									x	x								
	Mesen ...	x	x	x	x	x									x	x								
SWEDEN.	Haparanda ...						1004.8	x	21		SE	4	o	x	x	x								
	Hernösand ...						1001.6	x	23		-	o	o	x	x	x								
	Stockholm ...						1008.6	x	27		S	2	o	x	x	x								
	Wisby ...						1009.7	x	25		S	2	y	x	x	x								
	Sordovala ...						?1021.9	x	36		SE	3	y	x	x	x								
	Hangö ...						?1020.6	x	45		SSW	4	c	x	x	x								
ITALY.	Venice ...							x																
	Turin ...	1031.8	35	-	o	f	1028.3	x	30	-4	-	o	f	-	39	30								
	Pesaro ...	1030.5	41	-	o	f	1027.4	x	34	-5	-	o	f	-	43	36								
	Leghorn ...	1027.8	54	-	o	b.	1025.3	x	54	+2	-	o	c	-	61	52								
	Rome ...	1027.7	48	-	o	b.	1027.1	x	39	-4	-	o	o	-	61	39								
	Viesti ...							x																
	Brindisi ...	1025.8	57	NW	5	b	1024.5	x	54	+2	NW	6	b	-	57	52								
	Cagliari ...	1028.2	59	W	3	c	1027.1	x	50	+2	W	3	o	-	66	46								
	Palermo ...	1027.7	54	-	o	b	1027.4	x	50		-	o	bc.	-	?	45								
	Tripoli ...							x																

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM				
17 <sup>TH</sup> AND 18 <sup>TH</sup> DEC. 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	8.2	11.49	3.36
		8.3	11.50	3.37
Greenwich ...	...	8.3	11.56	3.49
		8.4	11.57	3.50
Wick ...	...	9.1	12.8	3.15
		9.2	12.9	3.16
Valencia ...	...	8.47	12.37	4.27
		8.48	12.38	4.28

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

17 <sup>th</sup> AND 18 <sup>th</sup> DEC. 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...		8.2	11.49	3.36
Greenwich ...		8.3	11.50	3.37
Wick ...		8.3	11.56	3.49
Valencia ...		8.4	11.57	3.50
		9.1	12.8	3.15
		9.2	12.9	3.16
		8.47	12.37	4.27
		8.48	12.38	4.28

LONDON		Humidity.		Sunshine for 16 <sup>th</sup>	24 HOURS ENDED 9 h. 17 <sup>th</sup>					WEATHER.		
		15 h.	9 h.		Max.	Min.	Rain-fall.	Min. on Grass		Morning.	Afternoon.	Night.
17 <sup>th</sup> DECEMBER 9 h. G.M.T.		16 <sup>th</sup>	17 <sup>th</sup>	Hours.	°F.	°F.	mm.					
GREENWICH (Royal Observatory)		73	86	3.1	48	41	0.3			c. at c.	bc. b.	b. bc.
CITY (Bunhill Row)		x	x	1.1	x	x	x			x	x	x
WESTMINSTER (St. James's Park)		78	92	2.8	49	40	0.3			x	x	x
" (Roof near Charing Cross)		70	84	3.0	50	42	x			cg. bef.	bc. b.	b. bc.
CAMDEN SQ. (British Rainfall)		72	88	2.5	48	39	0.3			b. bc.	bc.	x
KENSINGTON PALACE		7	90	x	48	41	0.3			bc.	bc. b.	x

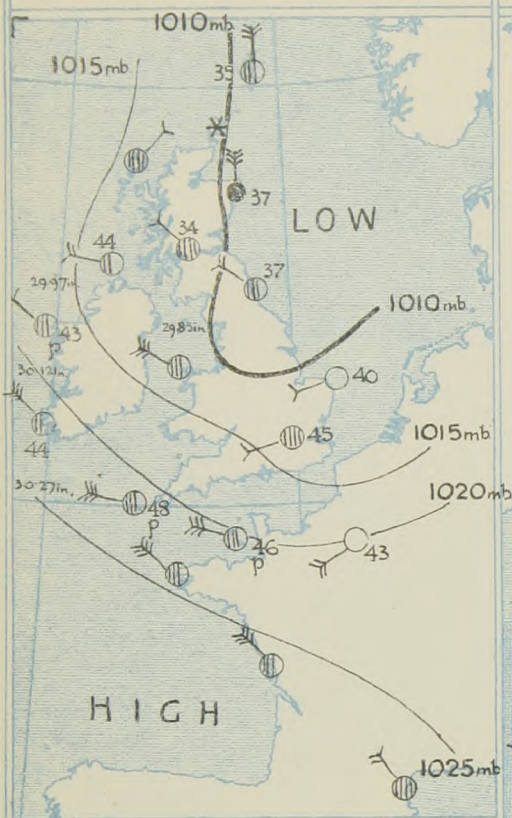
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 16 <sup>th</sup>		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
22.8	8.1	20



17<sup>th</sup>, DEC, at 1h. G.M.T.

THE MORNING OF Tuesday, 17<sup>th</sup> DECEMBER 1918, at 7h. G.M.T.



# EXPLANATION.

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

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

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

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

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

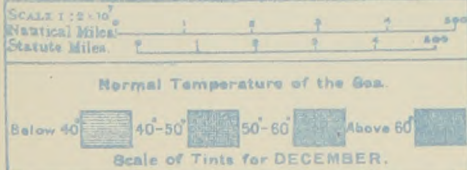
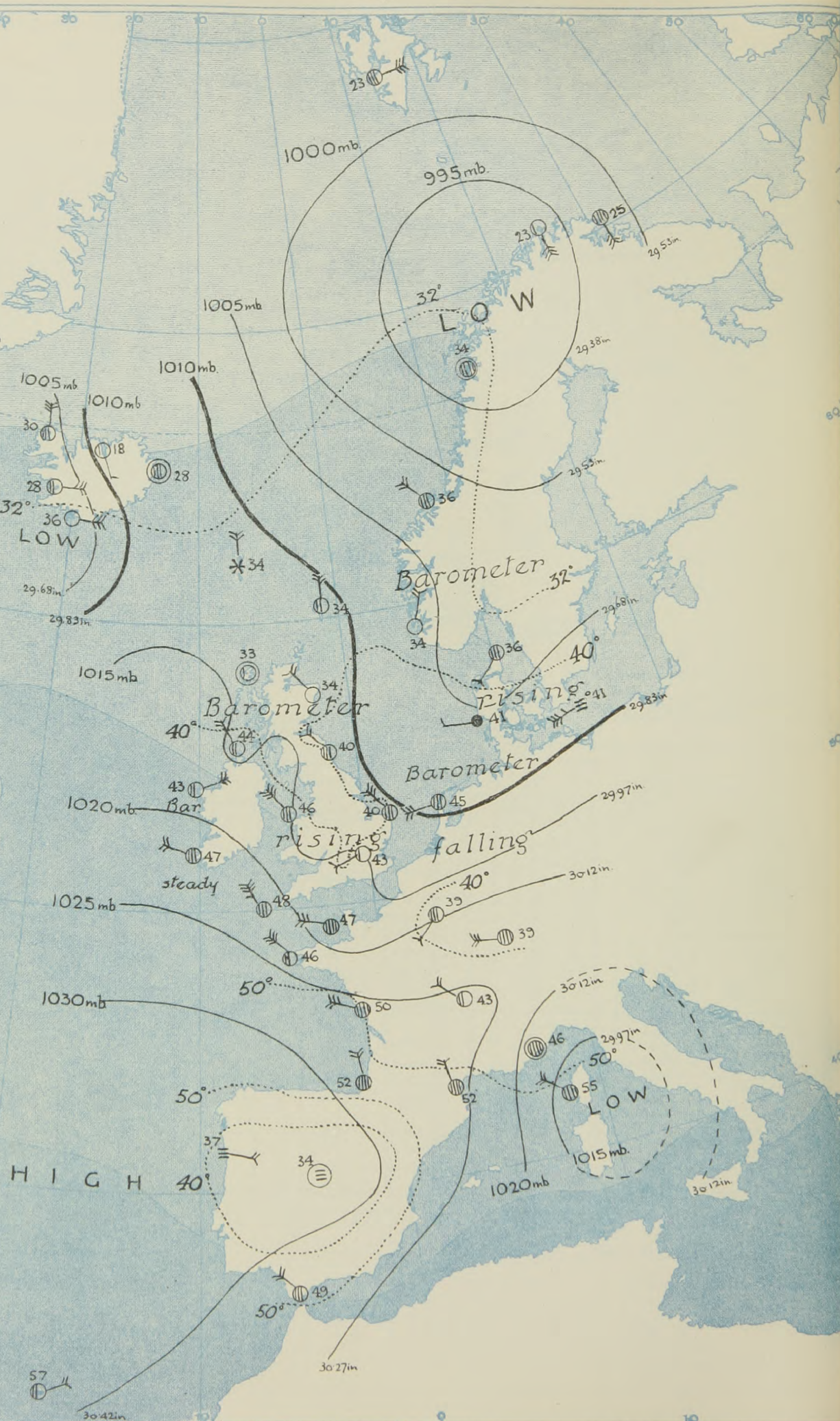
○ clear sky. ○ sky & clouded. ○ sky & clouded.

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

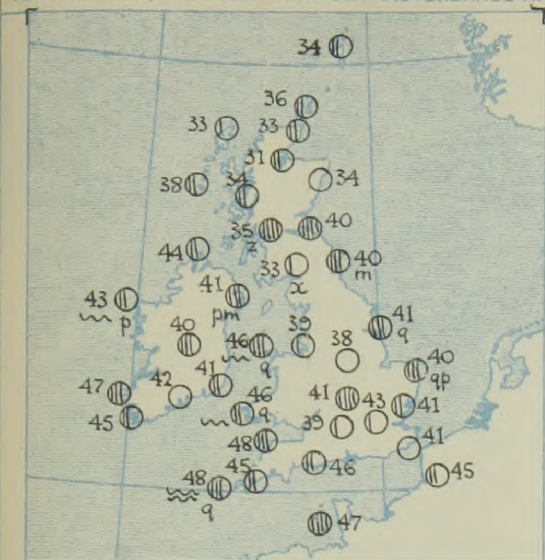
\* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.

⚡, thunderstorm.

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







NOTES.

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

Sunshine records were rather better yesterday, 5 hours at Falmouth, 4 hours at Nottingham, and 3 hours at several stations. Several millimetres of rain fell generally in showers, 9 mm. at Liverpool and Blacksed Point, and 8 mm. at Wick. There was a slight frost again at night in the north.

The Conditions at 7h. Today

There is a depression over Scandinavia, and a slight secondary over the Southern North Sea which is moving eastward or south-eastward. There is a light Northerly wind over Scotland, and a North-west or West wind over England which is fresh or strong on the coast. In Ireland the wind is mainly from between West and North and is moderate in force. The weather is fair or fine generally. In Scotland the temperature is between 30° and 35° inland, and is slightly below 40° in parts of England.

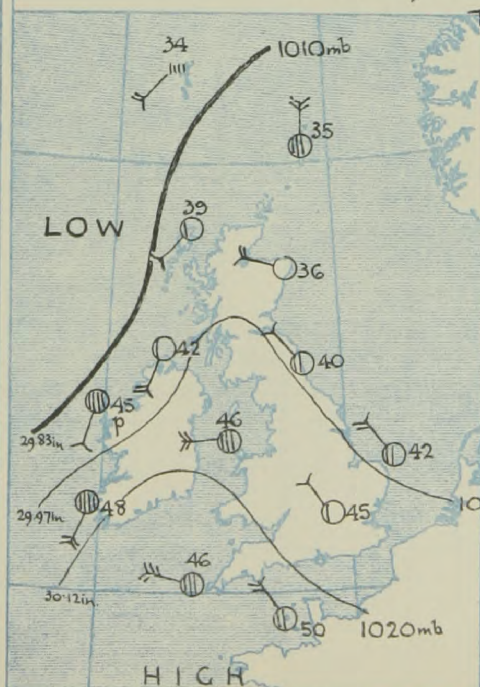
The Outlook

The outlook is favourable for moderate N. or NW. winds, with on the whole fairer and colder weather than of late, but there is still a tendency for small secondary disturbances to develop, which might cause local showers of rain, hail or sleet, and perhaps even snow in Scotland.

*H.H.*



Tuesday, 17<sup>th</sup> DECEMBER, 1918, at 13h. (1p.m.) G.M.T.



A brisk fall of the barometer has begun in the west of Ireland, indicating the advance of a new depression. The weather is likely to become mild and showery again over the United Kingdom before very long.

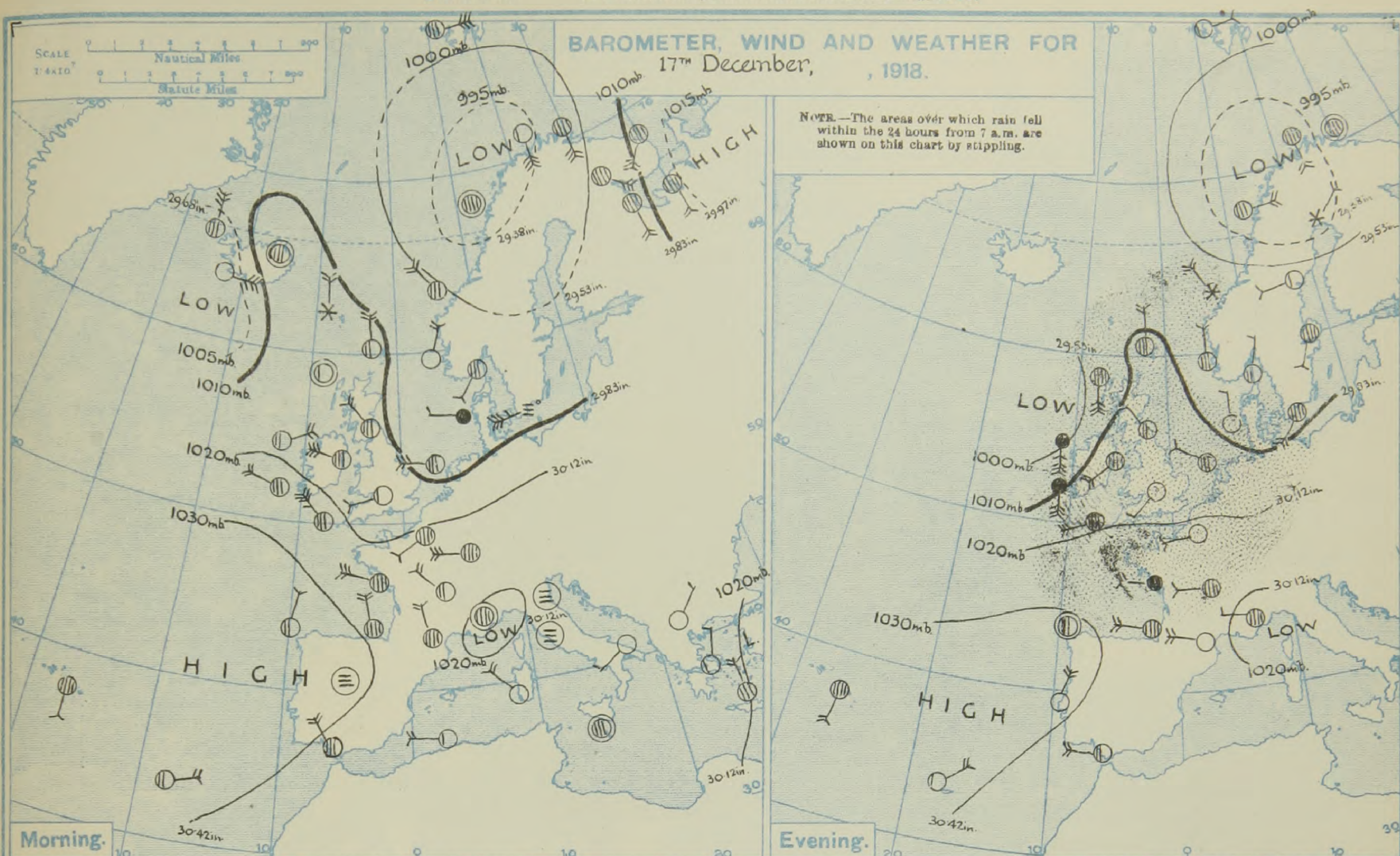


STATIONS.	EVENING OF 16 <sup>TH</sup> ...					MORNING OF 17 <sup>TH</sup> ...										24 HOURS ENDED 7 h 17 <sup>TH</sup> ...					Sun- shine for 16 <sup>TH</sup> Hours.	
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Direc. of Upper 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 ...	1008.2	37	N	5	bcm	1012.5	0	3.4	-2	N	4	-	bc	3	-	37	31	bcm	bcm	bc	
	Deerness (Orkney) ...	1007.8	40	NE	4	o	1013.5	0	3.6	-4	NNE	3	-	bc	3	2	40	34	o	o	o	0.0
	Stornoway ...	1008.6	41	ENE	5	o	1014.7	0	3.3	-6	-	0	-	b	3	4	41	33	o	o	o	0.0
	Castlebay (Barra Isd.) ...	1007.5	42	NNE	2	bc	1015.0	0	3.8	-	N	1	-	bc	2	1	45	37	c.o.c.	ch.b.	bc	1.0
	Glasgow ...	1006.2	37	NE	2	omd	1015.5	+3	35	-5	SW	1	-	o2	3	41	33	c.o.c.	omf.	o.b.c.	0.3	
	Eskealemuir ...	1006.6	36	SW	2	o	1015.0	+4	33	-2	N	1	M	bc	6	39	32	o2.omo	o2.omo	o2.omo	0.0	
	Malin Head ...	1006.5	45	WNW	5	cq	1014.0	+3	44	+1	NNW	3	N	bc	4	3	47	41	cq	cq	bc	0.2
	Blacksod Point ...	1013.5	49	WNW	6	cq	1018.2	0	43	-2	ENE	4	W	bc	5	9	47	41	bc	bc	bc	
	Valencia (Cahirveen) ...	1021.3	47	W	5	c	1022.2	0	47	-1	WNW	4	-	c	3	48	44	bc	bc	bc	1.7	
	Roche's Point ...	1019.5	44	W	4	bc	1021.4	0	42	-2	W	2	-	b	2	0.3	48	42	b.b.c.	b.b.c.	bc	
	Birr Castle ...	1014.9	43	W	2	c	1019.3	0	40	-1	W	1	-	c	4	45	39	ch.b.	ch.b.	ch.b.	0.0	
	Donaghadee ...	1007.7	42	WSW	4	omf	1015.1	+3	41	+3	WNW	3	NW	omf	2	1	43	38	bc	bc	bc	
	Liverpool (Bidston) ...	1010.4	43	W	7	r	1014.6	+4	39	-5	N	1	-	b	2	9	47	39	c.b.	bc	bc	3.2
	Holyhead ...	1010.6	46	WSW	6	cq	1015.0	+1	46	+1	NW	6	NW	cq	5	1	47	44	c.o.c.	cq	cq	2.1
	Pembroke (St. Ann's) ...	1017.0	47	WNW	6	bc	1018.3	+1	46	+1	NW	4	NW	cq	5	1	49	45	c.o.c.	bc	cq	
	Hartland Quay ...	1019.6	48	W	6	cq	1019.3	0	48	0	NW	4	-	c	4	4	50	46	ch.b.	ch.b.	ch.b.	
	Scilly (St. Mary's) ...	1023.0	46	WNW	7	cq	1022.4	0	48	-2	NW	7	NW	cq	7	1	51	45	cq	cq	cq	3.7
	Falmouth ...	1021.0	46	WNW	6	bc	1020.9	+2	45	-3	NW	4	NW	bc	2	50	43	ch.b.	bc	bc	5.0	
	Jersey (St. Aubin) ...	1022.5	48	WNW	5	bc	1019.5	-1	47	-3	WNW	5	-	o	4	6	53	44	o2.b.	bc	bc	2.2
	Portland Bill ...	1018.3	49	W	5	bc	1016.7	+1	46	-3	WNW	6	NW	bc	4	1	51	46	bc	bc	bc	
	Dungeness ...	1016.6	47	WSW	4	b	1013.6	-1	41	-10	WSW	5	-	b	4	-	52	40	cq	c.b.	bc	
NORTHERN EUROPE.	Wick ...	1007.2	40	NE	4	omf	1014.1	+2	33	-3	WNW	2	-	bc	3	8	41	32	bc	omf	omf	
	Nairn ...	1006.3	38	W	1	odg	1014.6	0	31	-7	-	0	-	bc	1	7	40	31	gc	c.b.c.	gc	0.8
	Aberdeen ...	1005.8	36	W	2	omf	1013.8	+2	34	-1	NW	3	-	b	2	6	39	34	omf	omf	omf	0.4
	Leith ...	1005.5	38	SW	2	o	1014.2	+2	40	-2	NW	1	-	o	2	1	43	35	ch.b.	o.c.	o.c.	
	Tynemouth ...	1006.5	37	-	0	bcm	1011.8	+5	40	+1	NW	3	-	om	2	7	44	36	om	omf	omf	
	Spurn Head ...	1009.9	44	WSW	4	bc	1010.2	+2	41	-4	NW	5	-	cq	4	1	45	39	bc	bc	bc	1.4
	Yarmouth (Gorleston) ...	1013.7	41	WSW	3	b	1011.6	+1	40	-11	NW	5	-	cq	4	1	51	39	o2.b.	bc	b.b.c.	1.4
	Clacton-on-Sea ...	1015.4	44	WSW	3	bm	1012.6	+1	41	-10	WNW	4	NW	bc	3	-	51	41	gc	c.b.c.	b.b.c.	2.7
	Nottingham ...	1011.5	43	WSW	2	b	1013.3	0	38	-7	WNW	2	-	b	1	47	36	o.c.	b	bc	3.9	
	Benson (Oxon.) ...	1015.5	41	W	3	bc	1014.5	+4	41	-4	W	2	-	o	1	47	40	o.b.	bc	bc		
	St. Farnborough ...	-	-	SSW	5	b	1015.1	+2	42	-5	W	2	-	o	1	47	41	o.b.	b	bc	3.2	
	Salisbury Plain ...	1017.3	42	W	4	r	1016.0	+2	39	-6	WNW	5	W	b	2	49	38	bc	bc	bc		
	London (Kew Obs.) ...	1016.1	45	SW	3	b	1015.0	+3	43	-4	WSW	2	-	b	0.3	48	42	bc	bc	bc	3.5	
FRANCE, &c.	Spitsbergen ...	1004.2	25	N	4	o	1003.1	+1	23	-5	E	6	-	c	7	28	16					
	Vardö ...	1003.3	23	S	5	o	998.0	-2	25	+2	S	5	-	o	2	25	16					
	Gjesvør ...	995.8	23	S	6	bc	993.3	0	23	-2	S	6	-	b	3	-	25	21				
	Bodö ...	989.7	32	E	2	b	991.3	0	34	-2	-	0	-	o	1	7	36	28				
	Christiansund ...	999.9	39	NNW	3	c	1003.7	0	36	-3	NW	4	-	c	4	16	39	34				
	Skudesnaes ...	1003.9	37	N	2	c	1006.7	+3	34	-5	NNE	3	-	b	2	-	39	34				
	Færder (Xiania Fjord) ...	1000.6	36	N	2	o	1003.3	+2	32	-9	N	3	-	c	1	-	41	32				
	The Scaw (Skagen) ...	1000.3	41	-	0	o	1001.9	+1	36	-5	SW	2	-	c	2	7	43	34				
	Blaavands Huk ...	1006.9	43	N	3	c	1006.7	-1	41	-	W	1	-	r	1	46	39					
	Copenhagen ...	1001.7	45	SW	4	m	1006.9	+2	41	-5	WSW	3	-	m	3	46	39					
Bornholm ...	1004.6	43	SW	6	r	1007.4	+2	41	-4	WSW	7	-	m	1	2	45	39					
IBERIA, &c.	The Helder ...	1011.8	46	WSW	4	c	1007.9	-2	45	-3	W	5	-	c	4	2	50	43				
	C. Gris Nez ...	1017.0	43	W	6	b	1013.9	-1	45	-7	WNW	6	-	b	5	-	54	45				
	La Hève ...	1021.0	48	WNW	5	b	1018.0	-2	45	-5	W	7	-	r	3	52	43					
	Brest (St. Mathieu) ...	1026.0	50	NW	5	bc	1023.8	0	46	-6	NW	6	-	bc	6	52	45					
	Rochefort (Ile d'Aix) ...	1027.7	50	W	4	o	1026.1	-2	50	-2	WNW	5	-	o	5	54	48					
	Biarritz ...	1030.9	52	WNW	3	o	1029.2	0	52	-2	NNW	4	-	o	4	55	50					
	Paris ...	1022.3	48	SW	3	o	1020.0	-1	39	-11	SW	2	-	c	3	54	39					
	Belfort ...	1023.0	48	-	0	o	1023.0	0	39	-4	W	5	-	o	3	48	39					
	Lyons ...	1025.5	46	-	0	o	1025.6	0	43	+4	NW	3	-	bc	1	48	39					
	Nice ...	1019.3	-2	46	+1	0	1019.3	-2	46	+1	-	0	-	o	-	54	43					
MEDITERRANEAN.	Perpignan ...	1026.0	57	NW	1	b	1026.3	-2	52	+9	NNW	3	-	o	-	63	43					
	Sanguinaire ...	1023.7	55	SE	2	o	1014.7	-2	55	0	NW	4	-	o	-	57	52					
	Corunna ...	1032.7	41	-	0	f	1032.6	+1	34	-2	-	0	-	f	7	41	32					
	Madrid ...	1032.7	41	-	0	f	1032.6	+1	34	-2	-	0	-	f	7	41	32					
	Lisbon ...	1032.7	41	-	0	f	1032.6	+1	34	-2	-	0	-	f	7	41	32					
	Azores (Horta) ...	1032.6	41	-	0	f	1032.6	+1	34	-2	-	0	-	f	7	41	32					
	„ (P. Delgada) ...	1032.6	41	-	0	f	1032.6	+1	34	-2	-	0	-	f	7	41	32					
	Madeira ...	1031.1	63	?	?	o	1031.5	-1	57	0	ENE	3	N	bc	3	-	68	55				
	Gibraltar ...	1027.4	56	NW	4	b	1027.1	0	49	+1	NW	4	-	c								



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,845. Wednesday, 18<sup>th</sup> December, 1918.



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

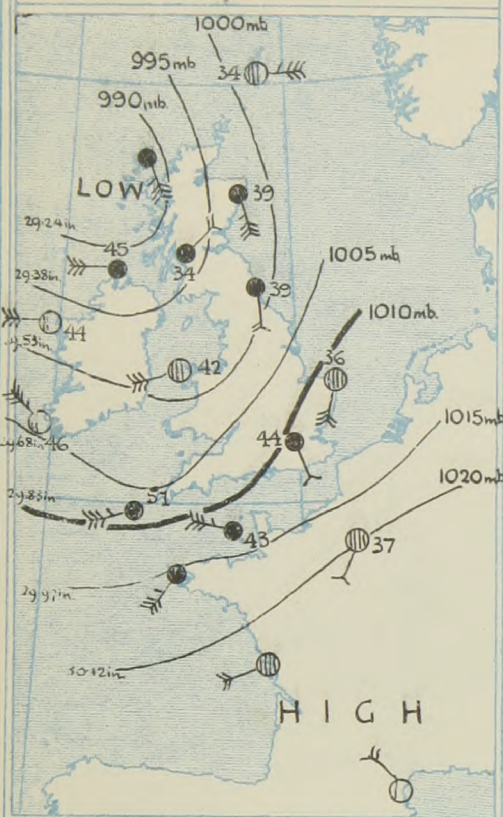
STATIONS.		EVENING OF...16 <sup>TH</sup> ...					MORNING OF...17 <sup>TH</sup> ...										MORNING OF...17 <sup>TH</sup> ...								
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.					
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.	Weather.		
RUSSIA.	Orlov ...	*	*F. x	x	x	x	1010.6	+	25	*F. ?	SSE	6	0	*	*F. x	*F. x	Isafjord ...	1012.6	30	?	NNE	5	c		
	Kem ...	x	x	x	x	x	1006.4	*	32	?	SSW	4	0	x	x	x		Reykjavik	1002.0	28	-2	E	5	b	
	Archangel	x	x	x	x	x	1015.4	-3	25	?	S	3	0	-	x	x		Vestmanna	1009.1	36	0	E	6	b	
	Mesen...	x	x	x	x	x	1017.9	*	18	?	SW	3	0	x	x	x		Seydisfjord	1014.6	28	-4	-	0	c	
SWEDEN.	Haparanda ...							x							x	x	x	Thorshavn	1011.8	34	-1	N	4	s	
	Hernösand ...							x							x	x	x	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.							
	Stockholm ...							x							x	x	x								
	Wishby ...								x						x	x	x	18 <sup>TH</sup> & 19 <sup>TH</sup> DE.C., 1918.	Sunrise.	Noon.	Sunset.				
	Sordovalä ...								x						x	x	x								
Hangö ...								x							x	x	x								
ITALY.	Venice ...							x									Yarmouth ...	...	{	G.M.T.	G.M.T.	G.M.T.			
	Turin ...	1023.1	36	-	0	f	1021.3	x	34	+4	-	0	f	-	42	30							8.3	11.50	3.57
	Pesaro ...	1023.3	39	-	0	f	1020.9	x	41	+7	-	0	f	-	41	37							8.3	11.50	3.57
	Leghorn ...							*															8.4	11.57	3.50
	Rome ...	1023.0	52	-	0	bc	1025.7	x	50	+11	-	0	o	-	57	48							8.4	11.57	3.50
	Viesti ...	1023.9	50	WNW	1	b	1021.4	x	50	?	-	0	f	-	55	43							9.2	12.9	3.16
	Brindisi ...	1031.2	55	E	2	b	1021.0	x	48	-6	WSW	1	b	-	57	48							9.2	12.9	3.16
	Cagliari ...	1024.1	57	NW	4	b	1023.1	x	50	0	NW	3	b	-	68	48							8.48	12.38	4.28
	Palermo ...							x															8.48	12.38	4.28
	Tripoli ...							x																	

LONDON										SOUTH KENSINGTON (M.O.)									
18 <sup>th</sup> DEC. 1899h. G.M.T.										Vertical Component of Solar Radiation per square Centimetre during 17 <sup>th</sup>									
HUMIDITY.		Sun-shine for 17 <sup>th</sup> Hours.	TEMPERATURE.			Rain-fall.	WEATHER.			Total.			Average Rate.			Max. Rate.			Notes.
15h.	9h.		Max.	Min.	Mn. on Grass.		Morning.	Afternoon.	Night.	joules.	Milliwatts.	Milliwatts.	joules.	Milliwatts.	Milliwatts.	joules.	Milliwatts.	Milliwatts.	
78	79	1.6	47	34	28	2	o.c.	bc. c.	c.r.	183	6.5	22							
CITY (Bunhill Row) ...	*	*	2.7	*	*	*	*	*	*										
WESTMINSTER (St. James's Park) ...	83	84	3.5	48	38	30	4	*	*										
(Roof near Charing Cross) ...	76	87	4.3	47	42	*	4	bcmb	b bc										
CAMDEN SQ. (British Rainfall) ...	92	81	3.7	46	38	29	3	bc.c	bc.										
KENSINGTON PALACE ...	88	82	*	47	39	17	4	bc	bc.o										
RICHMOND PARK ...	*	*	5.5	*	*	*	*	*	*										



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

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



#### EXPLANATION.

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

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

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

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

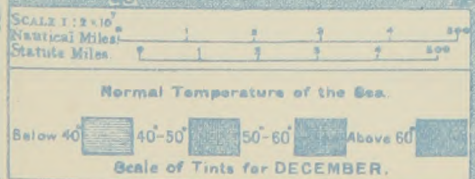
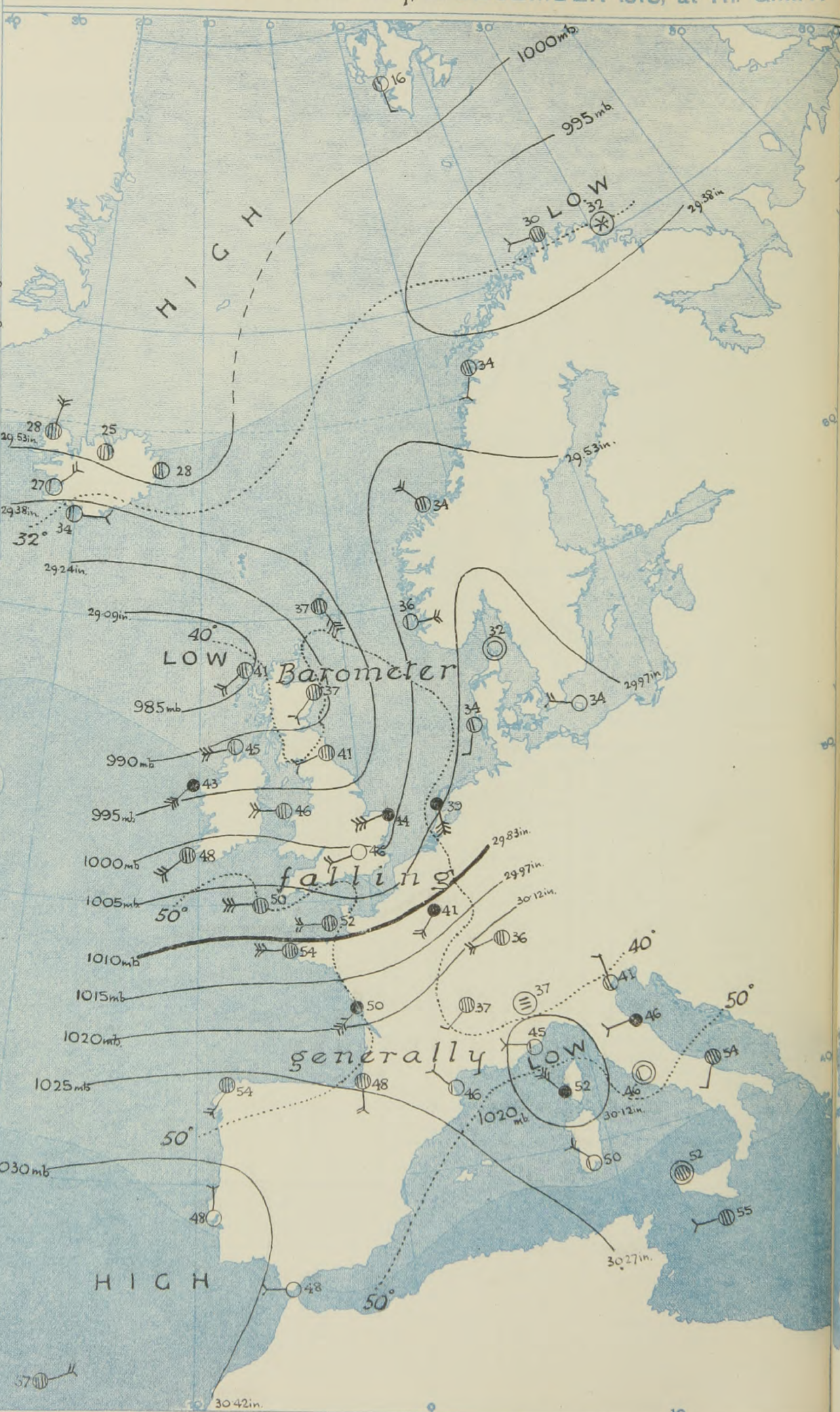
**WEATHER.**—Shown by the following symbols:—

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

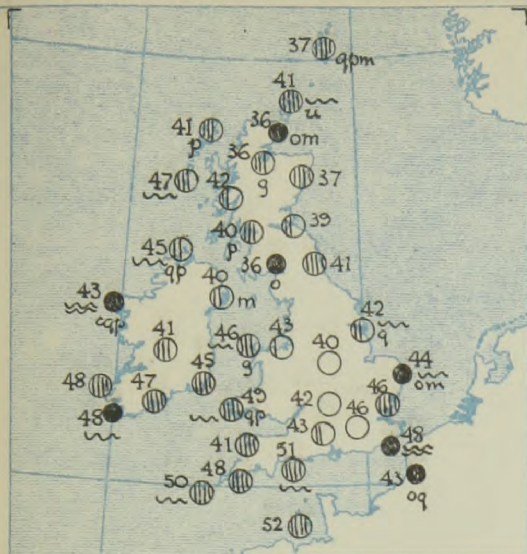
\* snow, ▲ hail, ≡ fog, ≡ mist, T, thunder.

K, thunderstorm.

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







NOTES.

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

Weather yesterday was fair or cloudy over the whole country, with fair amounts of bright sunshine, reaching 5.0 hours at Nairn and 5.8 hours at London. During the night rain set in at all stations, the amounts registered reaching 10 mm. or more at many stations in the west and north-west. Temperatures were moderate with minima of 32° or less at several stations.

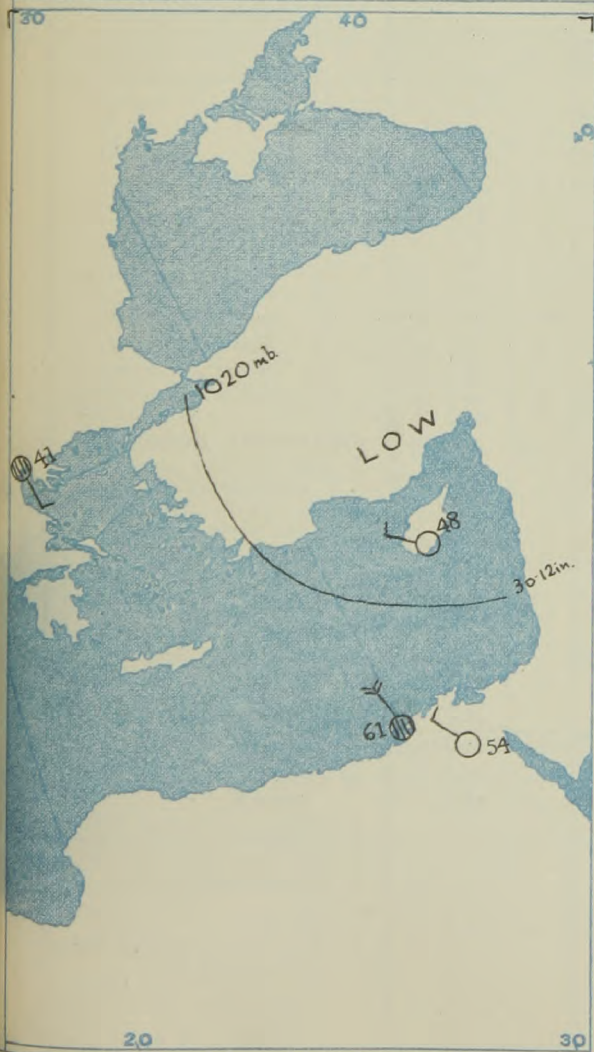
The Conditions at 7h. Today

There is a deep depression centred near Stornoway with a V-shaped secondary over our eastern coasts, and indications of a further secondary off the west of Ireland. Pressure is high over Spain and the Azores, and there is a wedge of high pressure over Southern Scandinavia, separating the Scottish depression from one over the North of Norway.

The Outlook

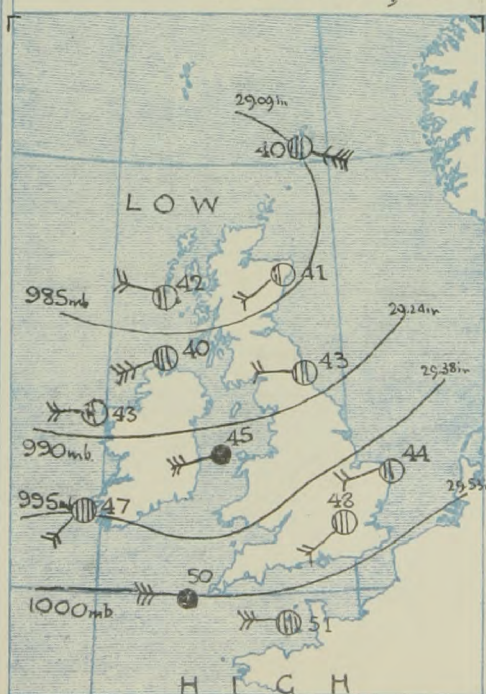
The depression near Stornoway is moving eastwards, and the V-shaped secondary along our eastern coasts is moving away to the north-east, but the disturbance off Ireland will traverse Ireland and England, causing further rain.

*H.A.*



Wednesday, 18<sup>th</sup>

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



The depression is now centred near the Orkneys. The barometer is falling briskly in the south of England.



STATIONS.		EVENING OF 17 <sup>TH</sup>					MORNING OF 18 <sup>TH</sup>										24 HOURS ENDED 7 h. 48 <sup>M</sup>						Sun- shine for 17 <sup>TH</sup> Hours.
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours.	WIND.		Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Dirac.	Force 0-12						Dirac.	Force 0-12					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	1011.1	35	N	3	c	993.0	-3	37	+3	SE	7	-	om qp	3	4	38	34	c	c	c qp		
	Deerness (Orkney) ...	1007.4	38	S	4	bc	986.1	*	41	+5	S	5	-	ou	6	2	41	36	bc	bc	bc r o	3.8	
	Stornoway ...	1002.5	42	S	6	op q	984.1	-3	41	+8	SW	4	-	cp	3	11	43	30	b	b op q	op q cp	1.4	
	Castlebay (Barra Isd.) ...	1000.7	44	SE	5	r	986.3	-5	47	+9	W	5	-	c	5	7	47	37	bc op	op r	ro c	1.9	
	Glasgow ...	1009.8	36	SE	2	oz	990.9	-4	40	+5	WSW	3	W	cp	*	10	40	32	om vx	c om	or r sp	0.0	
	Eskdalemuir ...	1012.2	31	-	0	o	992.0	-3	36	+3	WSW	4	-	or	*	12	37	28	bc x b	bc x bc	or r sm	3.9	
	Malin Head ...	1001.3	42	SSW	5	cm q	990.3	-2	45	+1	WSW	5	W	bc qp	6	3	46	39	bc	cm qp	bc qp	1.2	
	Blacksod Point ...	996.9	46	S	8	om r	994.2	-6	43	0	SW	6	W	cp	7	15	47	40	om p	om r	b q qp	*	
	Valencia (Cahirciveen) ...	1006.2	48	S	7	r	1000.8	-5	48	+1	SW	5	-	o	7	12	52	45	c o	or g	ro c op	0.2	
	Roche's Point ...	1011.6	47	SW	6	r	1001.8	-2	47	+5	WSW	3	-	o	4	9	51	41	b bc o	cr	ro	*	
Birr Castle ...	1009.4	43	S	1	o	997.7	*	41	+1	SW	1	-	c	6	47	38	c	cp	or c		1.8		
Donaghadee ...	1010.3	41	SW	3	og m r	994.2	-2	40	-1	WSW	2	W	bc m	2	7	46	38	bc m	bc m o q	om r q	*		
Liverpool (Bidston) ...	1014.4	41	S	2	o	996.0	-2	43	+4	WSW	5	W	b	3	2	46	39	bc om	bc p	op q bc	1.8		
Holyhead ...	1012.4	46	SW	4	og	997.2	-2	46	0	W	5	W	cg	5	10	49	44	c pc	c o	or q c	1.8		
Pembroke (St Ann's) ...	1016.5	47	WSW	4	oy	1001.3	-1	49	+3	WNW	5	-	og p	5	6	51	46	bc q	bc qp	or q c	3.5		
Hartland Quay ...	1017.5	49	SW	5	o	1003.5	-2	41	-7	WSW	5	-	o	4	8	52	46	cp q	c o	q r mo	*		
Scilly (St. Mary's) ...	1019.7	48	WSW	5	op	1006.6	-1	50	+2	W	6	-	o	6	7	52	45	cp q	cp q cv	om r o	2.5		
Falmouth ...	1019.1	45	WSW	3	o	1005.6	-2	48	+3	WSW	4	-	o	*	12	51	43	bc v p	bc v cv	rq o q	3.3		
Jersey (St. Aubin) ...	1021.4	46	WNW	3	b	1006.8	-2	52	+5	W	4	-	o	3	5	52	44	or qp b	bc p b	bc p ro	3.5		
Portland Bill ...	1018.7	47	WNW	3	bc	1003.2	-1	51	+5	WNW	5	-	o	5	2	52	45	bc	bc	cr	*		
Dungeness ...	1017.7	38	WNW	2	b	1000.4	-8	48	+7	SW	8	-	r	7	6	49	38	b	b	bc o q r	*		
Wick ...	1007.3	39	S	5	bc q	987.0	-8	39	+6	SSE	4	-	om r	4	3	42	31	bc	bc q	om q r	*		
Nairn ...	1006.9	33	-	0	bc x	986.6	*	36	-5	W	1	-	cg	1	0.2	39	28	bc x	bc x	cg m	5.0		
Aberdeen ...	1010.4	35	S	2	bc	988.2	-7	37	+3	SW	2	-	o	2	4	42	32	bc b	b bc	bc o q	4.3		
Leith ...	1009.8	36	S	2	c	989.7	-2	39	-1	WSW	2	W	bc	2	2	41	35	om c b	b z o c	c or bc	*		
Tynemouth ...	1013.2	48	NW	1	bc m	991.8	-4	41	+1	WSW	2	-	o	3	3	41	36	bc	bc m	om q om r	*		
Spurn Head ...	1015.6	41	W	1	bc	995.7	-2	42	+1	WSW	4	-	bc q	5	6	42	37	bc q	bc qp	bc q	2.9		
Yarmouth (Gorleston) ...	1016.3	44	NW	3	bc	999.7	-12	44	+4	WSW	6	-	om r	6	5	44	35	cp q bc	bc	om om r	3.7		
Clacton-on-Sea ...	1017.8	38	WNW	2	bc m	999.7	-8	46	+5	SSW	5	SW	o	4	5	46	37	bc c om	o bc bc m	?	3.5		
Nottingham ...	1015.7	36	SSW	1	c	997.2	*	40	+2	W	1	-	b	*	4	44	35	bc m	bc m	c or	0.0		
Benson (Oxon.) ...	1017.7	36	WNW	1	bc	1000.3	-2	42	+1	WSW	3	-	b	*	1	47	35	b	bc	bc ord	*		
St. Farnborough ...	1018.6	39	WNW	2	c	1000.9	-5	44	+2	W	4	W	bc	*	4	48	36	bc	bc ord	o b or bc	3.1		
Salisbury Plain ...	1018.6	39	WNW	2	c	1012.3	0	43	+4	SW	2	W	bc	*	5	48	34	b bc q	b bc q	c o or q	?		
London (Kew Obsy.) ...	1017.9	40	SW	1	b	1000.6	-5	46	+3	WSW	3	-	b	*	3	47	35	b bc m	bc m	bc om r	5.8		
NORTHERN EUROPE.	Spitsbergen ...	1003.7	16	E	2	b	1004.4	0	16	-7	S	1	*	bc	*	41	14						
	Vardø ...	996.7	32	-	0	o	990.1	-5	32	+7	-	0	-	s	*	41	10						
	Gjesvær ...	993.9	25	S	4	o	992.4	*	30	+7	W	2	-	o	3	-	23	21					
	Bodø ...	994.1	34	E	4	c	997.0	0	34	0	SSW	2	-	c	2	?	34	27					
	Christiansund ...	1004.8	36	NW	4	S	1003.1	-2	34	-2	NW	4	-	c	4	13	37	32					
	Skudesnaes ...	1009.7	37	N	2	c	1001.6	-7	36	+2	E	4	-	b	2	-	37	30					
	Færder (Alma Fjord) ...	1008.0	32	N	1	b	1006.6	-1	28	-4	N	2	-	c	1	-	34	27					
	The Scaw (Oslo) ...	1007.7	36	NNE	1	bc	1006.0	-1	32	-4	-	0	-	b	0	-	39	30					
	Blaavands Huk ...	1008.7	39	N	1	b	1006.9	-4	34	-7	S	1	-	bc	*	1	43	32					
	Copenhagen ...	1007.1	41	SW	3	o	1007.5	+1	34	-7	WNW	3	-	m	*	2	41	34					
Bornholm ...	1008.3	41	SW	4	m	1006.7	+1	37	-4	WNW	3	-	c	1	1	41	36						
FRANCE, &c.	The Helder ...	1014.1	45	NW	2	c	1003.3	-9	39	-6	SSE	6	-	r	3	2	45	36					
	C. Gris Nez ...	1018.3	45	WNW	3	c	1002.0	-7	45	0	SW	7	*	r	7	3	46	43					
	La Hève ...	1021.1	46	WNW	4	bc	1005.9	-11	46	+1	SW	7	*	r	*	2	46	39					
	Brest (St. Mathieu) ...	1023.7	50	WNW	4	c	1010.4	-1	54	+8	W	5	*	o	*	Trace	54	46					
	Rochefort (Île d'Aix) ...	1025.6	48	WNW	3	r	1017.1	-5	50	0	SW	7	*	r	*	2	54	48					
	Biarritz ...	1028.0	52	WNW	4	o	1024.6	-2	48	-4	S	3	*	o	*	6	54	48					
	Paris ...	1021.2	41	WSW	2	b	1012.8	-8	41	+2	SSW	4	*	r	*	4	46	36					
	Belfort ...	1021.1	*	*	*	*	1021.1	*	36	-3	WSW	4	*	c	*	2	46	34					
	Lyons ...	1024.4	43	W	2	o	1023.7	-2	37	-6	SSW	1	*	o	*	Trace	46	37					
	Nice ...	1015.9	50	W	1	o	1019.4	+2	45	-1	W	2	*	b	*	-	54	41					
Perpignan ...	1025.6	50	WNW	4	b	1024.8	-2	46	-6	NW	2	*	b	*	-	54	43						
Sanguinaire ...	1019.5	54	NW	5	r	1018.0	-1	52	-3	NW	5	*	r	*	-	59	50						
IBERIA, &c.	Corunna ...	1032.4	52	-	0	c	1026.6	-1	54	?	SW	3	-	o	3	-	55	46					
	Madrid ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
	Lisbon ...	1031.0	54	NNE	4	b	1030.6	+1	48	?	N	2	-	b	5	-	57	48					
	Azores (Horta) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
	„ (P. Delgada) ...	1034.9	*	S	3	o	*	*	*	*	*	*	*	*	*	*	*	*					
MEDITERRANEAN.	Madeira ...	1030.9	64	NE	3	b	1031.3	0	57	0	ENE	3	-	o	3	-	68	57					
	Gibraltar ...	1024.7	52	W	4	bc	1028.1	*	48	-1	W	2	*	b	2	-	62	47					

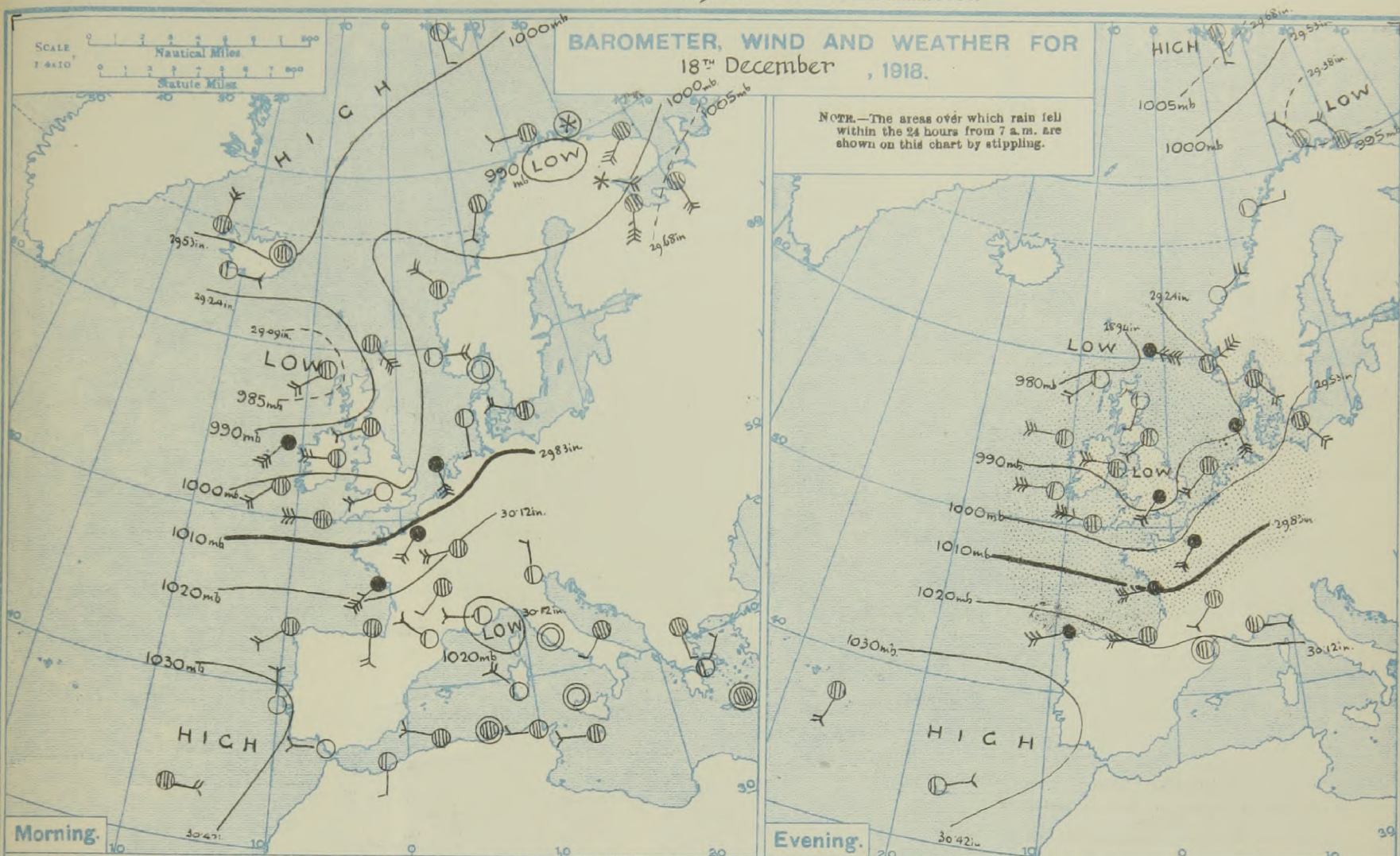
THE BEAUFORT SCALE OF WIND FORCE.



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,846

Thursday, 19<sup>th</sup> December, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 18<sup>th</sup> DECEMBER.

STATIONS.		EVENING OF 17 <sup>TH</sup>					MORNING OF 18 <sup>TH</sup>										MORNING OF 18 <sup>TH</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- 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.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dirac.	Force 0-12.	Weather.
RUSSIA.	Orlov ...	*	* F.	*	*	*									* F.	* F.	Isafjord ...	1002.6	28	-2	NNE	4	o
	Kem ...	*	*	*	*	*	999.3	2	34		SW	7	b	?	*	*							
	Archangel ...	*	*	*	*	*	1009.2	-2	30		S	5	o	1	*	*							
	Mesen...	*	*	*	*	*	1009.7	?	25		S	4	o		*	*							
SWEDEN.	Haparanda ...	991.4	32	NE	2	s		*						*	*	*	Vestmanna	993.0	34	-2	E	2	bc
	Hernösand ...	1007.3	39	WSW	2	b		*						*	*	*							
	Stockholm ...	1006.3	30	SSW	2	o		*						*	*	*							
	Wisby ...	1009.7	28	E	4	b		*						*	*	*							
	Sordovalä ...							*						*	*	*							
ITALY.	Hangö ...							*						*	*	*	Thorshavn						
	Venice ...	1021.8	43	-	o	b	1023.3	*	41		N	1	bc	10	45	39							
	Turin ...	1023.1	36	-	o	f	1024.6	*	37		-	o	f	-	37	25							
	Pesaro ...	1021.8	43	-	o	r	1022.4	*	46		W	2	r	8	46	39							
	Leghorn ...							*															
	Rome ...	1023.0	52	-	o	o	1021.9	*	46		-	o	b	trace	57	45							
	Viesti ...	1022.5	55	SW	2	o	1021.3	*	54		SW	1	o	-	55	45							
	Brindisi ...							*															
	Cagliari ...	1024.7	59	NW	3	b	1024.8	*	50		NW	3	b	-	68	48							
	Palermo ...	1024.4	54	-	o	bc	1024.3	*	52		-	o	o	-	59	45							
Tripoli ...							*																
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																							
19 <sup>TH</sup> & 20 <sup>TH</sup> DEC. 1918.																	Sunrise.	Noon.	Sunset				
																	G.M.T.	G.M.T.	G.M.T.				
Yarmouth ...																	8.3	11.50	3.37				
																	8.4	11.51	3.38				
Greenwich ...																	8.4	11.57	3.50				
																	8.5	11.58	3.51				
Wick ...																	9.2	12.9	3.16				
																	9.3	12.10	3.17				
Valencia ...																	8.48	12.38	4.28				
																	8.49	12.39	4.29				

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

19 <sup>th</sup> & 20 <sup>th</sup> DEC. 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	8.3	11.50	3.37
Greenwich	...	8.4	11.51	3.38
Wick	...	8.5	11.53	3.51
Valencia	...	9.2	12.9	3.16
	...	9.3	12.10	3.17
	...	8.48	12.38	4.22
	...	8.49	12.39	4.23

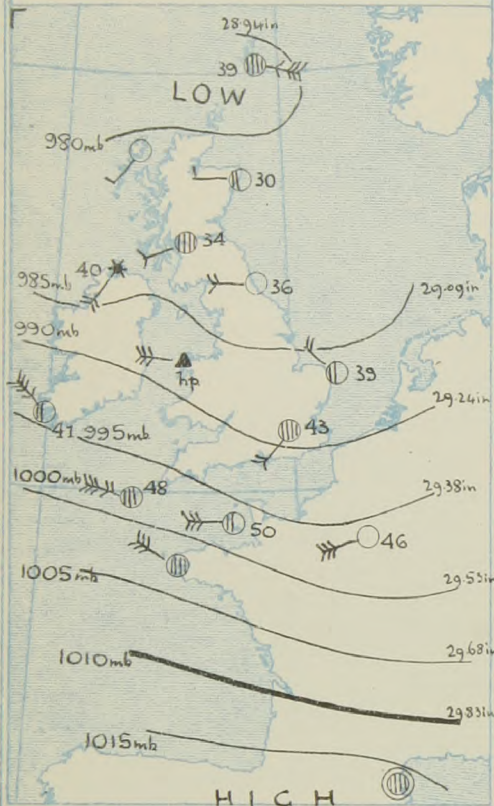
LONDON				24 HOURS ENDED 6 h. 19 <sup>th</sup>									
19 <sup>th</sup> DECEMBER 9h. G.M.T.				TEMPERATURE.			Rain-fall.	WEATHER.					
	Humidity.	Sunshine for		Max.	Min.	Min. on Grass	mm.	Morning.	Afternoon.	Night.			
	15 h.	9 h.	18 <sup>th</sup>	°F.	°F.	°F.							
GREENWICH (Royal Observatory)	80	80	0.0	49	38	32	1	o	o.c.y.	dc.bc.			
CITY (Bunhill Row)	x	x	0.0	x	x	x	x	x	x	x			
WESTMINSTER (St. James's Park)	83	96	0.0	49	38	31	1	x	x	x			
" (Roof near Charing Cross)	80	76	0.7	49	39	x	1	cmop	og.pq	cq.bc			
CAMDEN SQ. (British Rainfall)	83	81	0.0	48	37	30	1	c.o	od.	x			
KENSINGTON PALACE	-	74	x	48	38	31	1	c.o	oy	x			
RICHMOND PARK.	x	x	0.0	x	x	x	x	x	x	x			

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.
133	4.7	18



19<sup>th</sup>, DEC, at 1h. G.M.T.

THE MORNING OF Thursday, 19<sup>th</sup> DECEMBER 1918, at 7h. G.M.T.



# EXPLANATION.

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

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

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

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

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

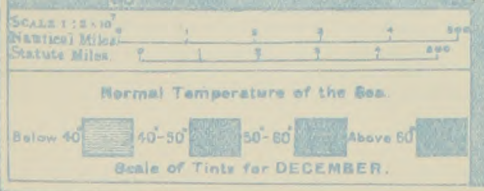
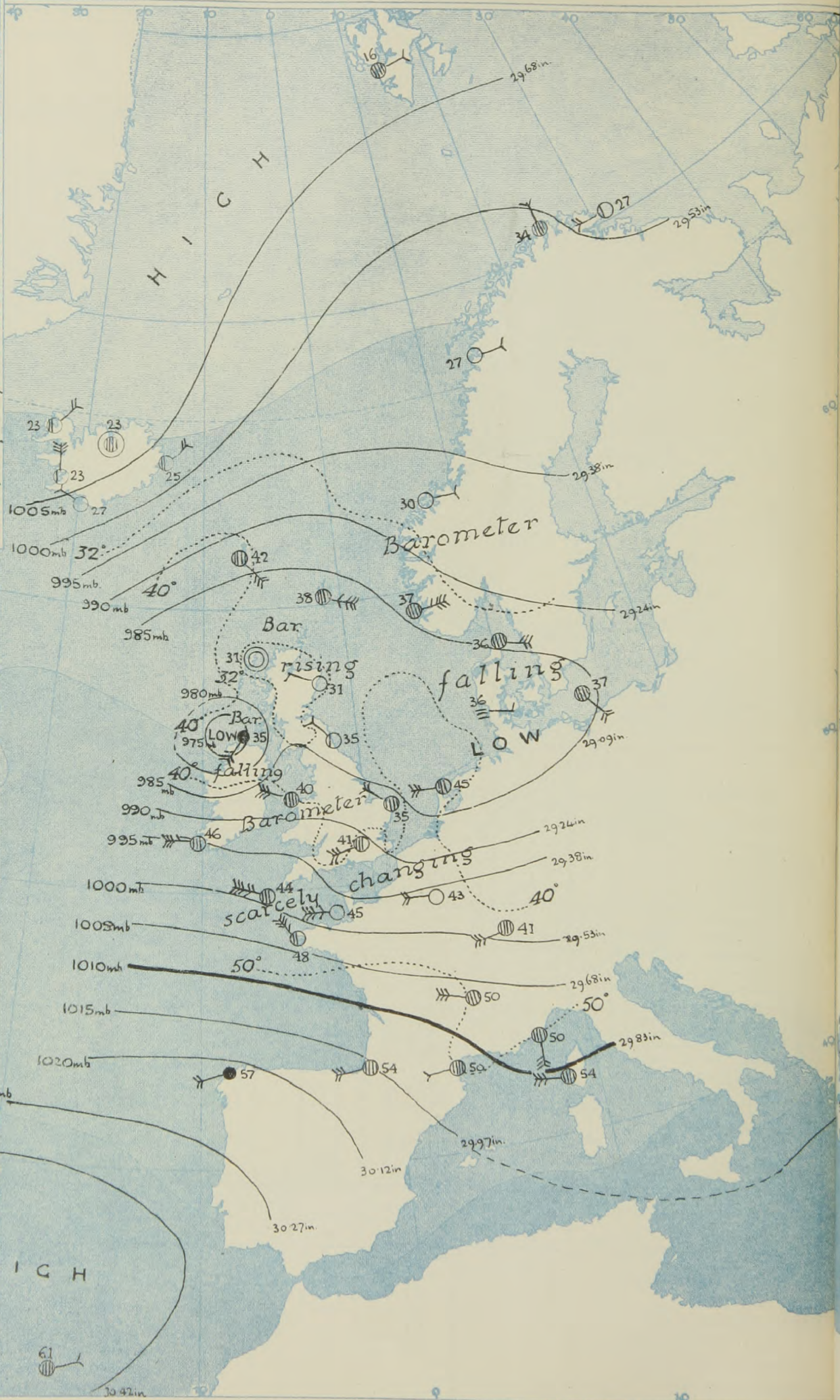
○ clear sky. ○ sky & clouded. ○ sky & clouded.

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

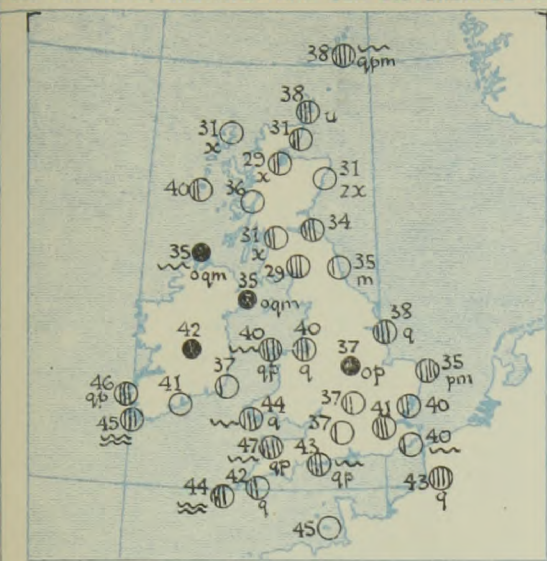
\* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.

⚡, thunderstorm.

**SEA DISTURBANCE.**—Rough. High.







## NOTES.

**LERWICK.** Gale 8h 18h - 7h 19h  
Extreme ESE g at 22h 18h

**BANTRY.** Gale 2h - 7h 18h  
Extreme W.g at 4h

**ROCHES POINT.** Squall force 8  
at 18h 18h

**SCILLY.** Gale 17h 18h - 7h 19h  
Extreme WNW g at 3h,  
gust 31 mfs.

**S.FARNBOROUGH.** Squall force 9  
at 18.03h, 18h.

**LOUGH FOYLE.** WNW 8 at 14h.

**VALENCIA.** Squalls force 8  
during night.

**HARTLAND.** Extreme S.W.g  
at 15h 18h

**JERSEY.** Gale 16h 18h - 7h 19h  
Extreme W.8.

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

Rain fell everywhere, 55 mm. at Scilly, 18 mm. at Birr Castle and 11 mm. at Yarmouth. Hail showers were not uncommon. A few degrees of frost were registered in Scotland. Sunshine records were poor, the largest being  $2\frac{1}{2}$  hours at Stornoway.

## The Conditions at 7h. Today

There is a new depression of small size but considerable depth indicated near the north coast of Ireland. Light variable breezes prevail in Scotland, but over England and the south of Ireland there is a strong WNW. wind, which reaches gale force over the western half of the Channel and at Cape Gris Nez. In the Shetlands a gale from ESE. continues. The weather is fair or fine in Scotland, but is showery in England and rainy in the north of Ireland. The temperature is below the freezing point generally in Scotland, and is between  $35^{\circ}$  and  $40^{\circ}$  in England except in the south-west where it is between  $40^{\circ}$  and  $47^{\circ}$ .

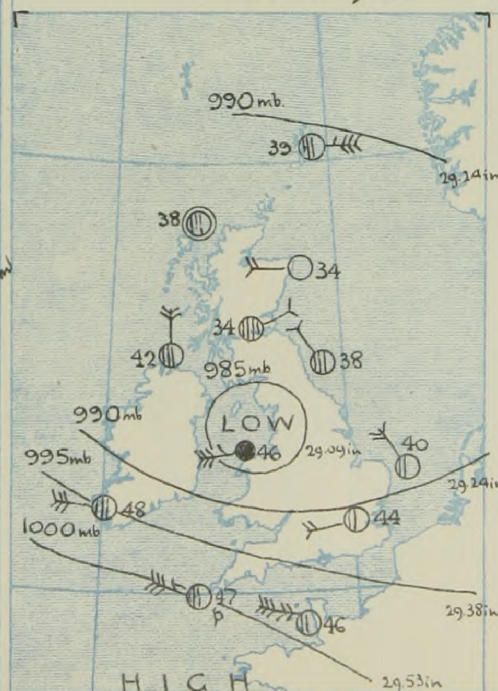
## The Outlook

The wind will become Easterly over Scotland as the new depression passes across the country, and the Westerly wind over the southern half of the United Kingdom will become even stronger than at present for a time. The weather will continue changeable and showery, with probably some snow in Scotland and the north of Ireland. The temperature will be rather low.

H.H.

Thursday, 19<sup>th</sup>

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



The depression that was off NW. Ireland this morning is now over the Irish Sea. The wind will probably become NE. in Scotland and N. or NW. in Ireland, the weather continuing rather unsettled.



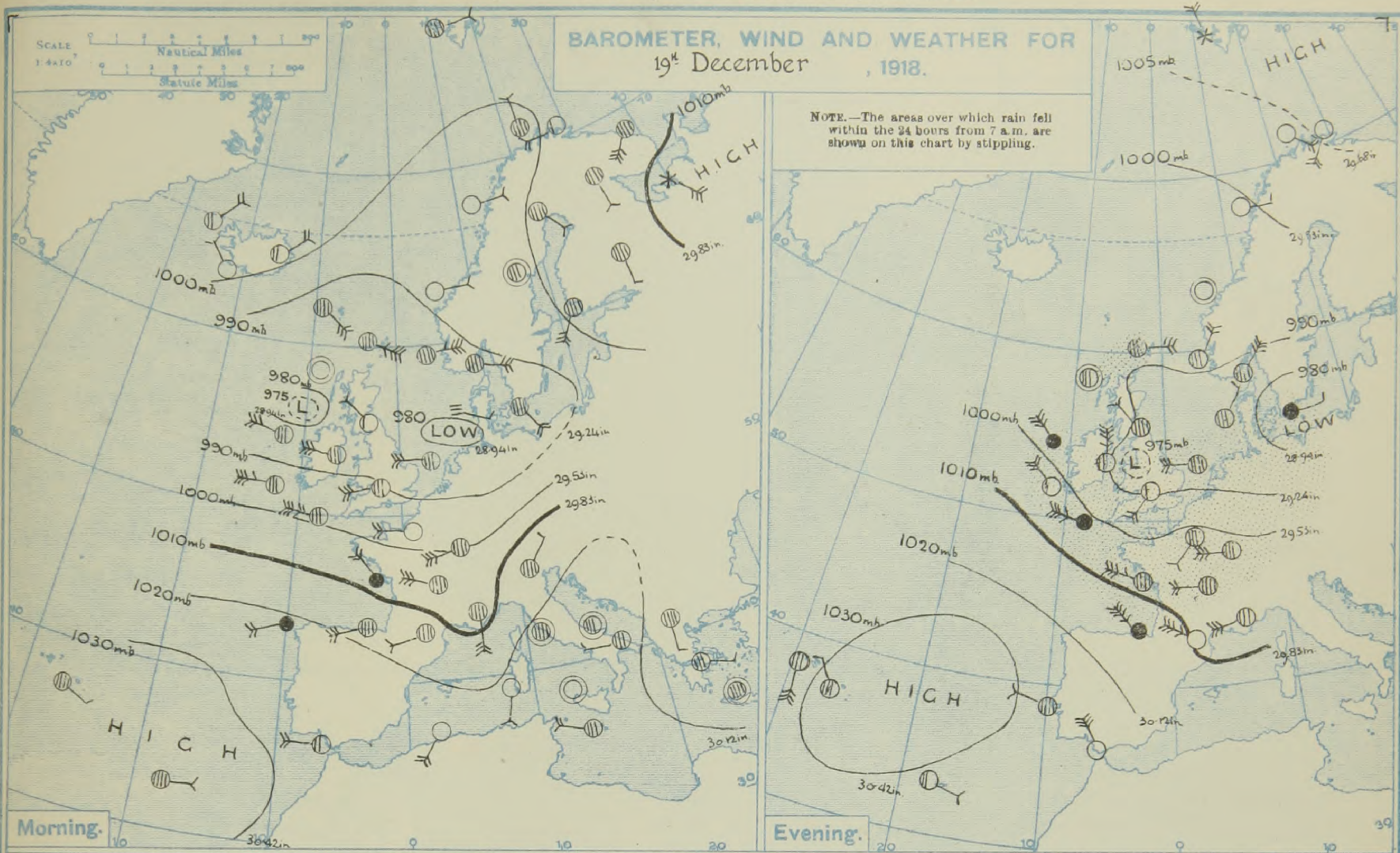
STATIONS.		EVENING OF 18 <sup>TH</sup> .....					MORNING OF 19 <sup>TH</sup> .....										24 HOURS ENDED 7 h. A.M. 19 <sup>TH</sup> .....							Sun- shine for 18 <sup>TH</sup> Hours.
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall Milli- metres.	TEMP.		WEATHER.					
				Dir.	Force 0-12.				Dry Bulb.	Change in 24 hours.							Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	980.5	40	ESE	9	omqr	983.4	+3	38	+1	ESE	8	—	omqr	5	10	41	33	cmq	cmqp	omqp	0.0		
	Deerness (Orkney) ...	980.0	40	SW	4	ocu	982.7	*	38	-3	W	1	—	cu	4	3	42	35	oro	ocu	o.c	0.0		
	Stornoway ...	980.4	37	SW	3	b	982.0	+4	31	-10	—	0	—	bc	7	2	42	30	b	bp	bx	2.6		
	Castletay (Barra Isd.) ...	981.7	41	W	3	op	980.6	+1	40	-7	E	3	SE	bc	3	3	47	38	chp.bc	bc.hop	op.bc	0.2		
	Glasgow ...	984.9	35	WSW	2	cz	984.8	0	31	-9	E	1	W	bcz	*	1	41	31	cm.omp	om.hrp	c.bza	0.0		
	Eskdalemuir ...	984.5	35	W	4	c	985.3	+2	29	-7	S	2	—	c	*	5	38	28	o.or.sc	c.or.o.c	bc.asp	0.9		
	Malin Head ...	983.6	43	WSW	5	cqp	974.7	-11	35	-10	SW	5	—	omqr	5	10	48	35	bcqp	cqp	omqr	0.8		
	Blacksod Point ...	987.0	40	W	5	cqph	987.0	0	46	-2	W	7	—	cpq	7	6	49	39	bcp	cqpl	cpq	0.2		
	Valencia (Cahirciveen) ...	995.4	44	W	6	bc	995.2	0	46	-2	W	7	—	cpq	7	6	49	39	orpc	oqp.bc	cpq	0.2		
	Roche's Point ...	993.8	43	WNW	5	o	994.1	-1	41	-6	W	4	—	b	4	5	48	38	oro	o.cpq	cpq.b	0.0		
	Birr Castle ...	990.1	37	SW	1	r	987.9	*	42	+1	W	3	—	r	*	18	43	34	c.or.c	o.cpq	orq	0.0		
	Donaghadee ...	986.9	35	W	4	bcqbm	984.6	-1	35	-5	WSW	4	—	omqr	3	2	42	33	bcmq	cmq	cmhmf	0.0		
	Liverpool (Bidston) ...	987.4	43	W	5	o	987.1	+1	40	-3	W	6	N	cq	5	12	45	36	bep.h	opq	bcqr	1.6		
	Holyhead ...	988.0	44	W	5	cq	987.7	0	40	-6	WNW	6	—	opq	5	4	47	39	cp.opq	op.cpo	c.op.h	0.4		
	Pembroke (St. Ann's) ...	991.8	47	WNW	5	oqp	992.9	+1	44	-5	WNW	7	W	cq	6	10	50	39	oqp	oqrp	cqph	0.3		
Hartland Quay ...	994.1	49	W	7	opq	995.6	0	47	+6	WNW	6	—	opq	6	4	52	44	o.or.rm	rmq.c.o	cp.hq.t	0.0			
NORTHERN EUROPE.	Scilly (St. Mary's) ...	997.7	47	WNW	5	cp	999.7	0	44	-6	WNW	9	NW	c	8	55	52	40	omr	or.cqp	cqp	0.1		
	Falmouth ...	996.2	47	W	6	orq	998.0	0	42	-6	W	7	—	bcq	*	9	51	40	ogqr	or.oq	bcq.cq	0.0		
	Jersey (St. Aubin) ...	997.9	53	W	8	adm	998.8	0	45	-7	W	8	—	b	4	3	55	43	op	od.adm	cqp.b	0.0		
	Portland Bill ...	991.2	50	WSW	6	bcq	993.5	+1	43	-8	NW	7	—	cqp	5	4	52	42	c	cr	bcqp	0.0		
	Dungeness ...	990.6	49	WSW	6	cq	989.6	-1	40	-8	WNW	6	W	bq	5	2	51	40	q.rc	cqp	cpq.cq	0.0		
	Wick ...	981.1	36	W	2	bc	982.8	+3	31	-8	WNW	2	—	bc	4	2	41	30	omr.bc	bc	bc	0.0		
	Nairn ...	981.8	34	W	1	bcx	982.5	*	29	-7	—	0	—	bcx	0	—	39	28	c.bc	bc	bcx	2.3		
	Aberdeen ...	982.4	35	SSW	1	b	983.0	+1	31	-6	WNW	1	—	bzx	2	—	41	30	o.bc	bc.b	bc.bx	1.8		
	Leith ...	983.1	39	SW	2	r	983.5	0	34	-5	WSW	2	SW	c	2	1	42	33	bc.cpo	op.o	pc.bc	0.0		
	Tynemouth ...	985.0	39	SW	2	cm	983.1	20	35	-6	NW	2	—	bm	3	0.2	42	34	cmp	cm	bm.	0.0		
	Spurn Head ...	986.9	42	SW	3	or	984.9	0	38	-4	W	5	—	cq	4	2	44	36	cq	cq.or	bc.cq	0.0		
	Yarmouth (Gorleston) ...	991.1	44	WSW	4	r	988.1	0	35	-9	NW	3	—	omp	3	11	45	35	omr.bc	bc.omr	cp.bor	1.9		
	Clacton-on-Sea ...	988.9	47	SSW	4	og	988.1	0	40	-6	W	4	NW	bc	3	4	47	39	o.bc.og	og.q.r	og.bc	1.0		
	Nottingham ...	986.7	41	WSW	2	o	987.2	*	37	-3	W	3	W	op	*	5	45	34	bcm	c.or	o.c.bc	0.9		
	Benson (Oxon.) ...	987.3	43	W	5	r	990.3	+3	37	-5	W	4	—	bc	*	1	48	37	b.o	or	r.bc.or	0.0		
Sth Farnborough ...	987.9	47	WSW	7	orq	991.0	+1	37	-7	W	5	W	b	*	1	48	37	bc.opc	op.orq	o.bq.ph	0.1			
Salisbury Plain ...	990.0	48	W	6	b	992.5	+2	36	-7	WNW	5	—	b	*	3	48	35	bc.orp	opdq.c	h.bepj	0.0			
London (Kew Obsy.) ...	987.2	47	SSW	4	op	990.5	+2	41	-5	WSW	5	—	c	*	1	48	40	b.bc.cop.c	c.op.o.p.r	cu.hq.bcd	0.0			
FRANCE, &c.	Spitsbergen ...	1006.0	18	S	1	c	1007.7	+1	16	0	E	2	*	o	*	18	12							
	Vardö ...	1007.0	34	NW	3	o	1000.2	+3	27	-5	W	3	—	b	3	*	34	27						
	Gjesvær ...	993.6	34	NW	2	c	998.7	*	34	+4	N	2	—	o	3	—	34	27						
	Bodö ...	999.8	30	E	1	b	997.5	-2	27	-7	E	2	—	b	2	—	34	19						
	Christiansund ...	995.9	30	NE	3	b	992.6	-1	30	-4	E	2	—	b	3	—	34	28						
	Skudesnaes ...	988.6	37	NE	8	o	984.8	-8	37	+1	E	7	—	o	4	—	37	23						
	Færder (X'ianta Fjord) ...	999.7	27	NE	4	c	990.9	-2	25	-3	N	7	—	o	3	?	28	25						
	The Scaw (Skagen) ...	997.1	36	SE	3	o	985.6	-3	36	+4	ESE	5	—	o	5	2	37	28						
	Blaavands Huk ...	989.1	37	SSE	6	r	981.3	-3	36	+2	ESE	1	—	f	*	4	41	32						
	Copenhagen ...	998.9	37	SSE	4	o	982.4	-6	39	+5	ESE	3	—	o	*	3	39	34						
	Bornholm ...	1002.9	36	SSE	4	o	984.4	-9	37	0	SSE	4	—	o	1	4	37	34						
	The Helder ...	999.1	45	SW	3	o	983.0	0	45	+6	W	5	—	c	4	25	46	36						
	C. Gris Nez ...	991.8	45	SW	7	o	990.0	+1	43	-2	W	8	W	bc	7	2	52	41						
	La Hève ...	994.7	46	SW	8	r	995.7	0	45	-1	W	8	*	o	*	2	50	41						
	Brest (St. Mathieu) ...	1002.9	54	WSW	6	o	1003.4	0	48	-6	NW	7	*	bc	*	5	55	46						
Rochefort (Ile d'Aix) ...	1009.6	55	WSW	7	r							*		*										
Biarritz ...	1019.5	55	WSW	5	o	1016.0	-1	54	-6	WSW	5	*	o	*	9	55	48							
IBERIA, &c.	Paris ...	1008.2	50	SSW	4	r	998.0	+2	43	+2	W	4	*	b	*	5	54	41						
	Belfort ...					999.7	*	41	+5	WSW	6	*	o	*	7	41	36							
	Lyons ...	1015.5	41	SW	2	o	1005.9	-3	50	+13	WNW	6	*	o	*	14	50	37						
	Nice ...	1017.2	43	E	2	c	1006.0	-8	50	+5	S	5	*	o	*	—	54	41						
	Perpignan ...	1020.3	45	—	0	c	1013.2	-3	50	+4	WSW	2	*	o	*	trace	55	43						
	Sanguinaire ...	1020.2	52	NW	2	bc	1013.5	-10	54	+2	W	6	*	o	*	—	63	50						
	Corunna ...	1024.8	57	WSW	5	r	1022.9	-0	57	+3	WSW	4	—	r	4	2	59	54						
	Madrid ...														*									
	Lisbon ...														*									
	Azores (Horta) ...		*										*											
	„ (P. Delgada) ...	1033.2	*	SSW	3	o	1032.0	+1	61	?	ESE	1	*	o	2	—	63	61						
	Madeira ...	1030.1	63	ENE	2	bc	1030.7	0	61	+4	ENE	2	E	o	3	—	66	55						
	Gibraltar ...														*									
	MEDITERRANEAN.	Algiers ...		*	*	*	*																	
		Malta ...		*	*	*	*																	
Salonica ...							1014.6	?	46	+5	S	1	—	o	*	3	53	41						
Athens ...		1020.4	48	—	0	c	1015.9	-1	50	?	ESE	1	W	c	0	—	55	41						

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	5.6-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.1
11	64-75	28.2-33.5



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

N20,847 Friday, 20<sup>th</sup> December, 1918.



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

STATIONS.	EVENING OF 18 <sup>th</sup>					MORNING OF 19 <sup>th</sup>										MORNING OF 19 <sup>th</sup>					
	Barom. M.S.L.	Temp.	Wind	Force	Weather.	Barometer.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Wind.	Force	Weather.	Rain-fall.	Temp.	Temp.	ICELAND.	Barom. M.S.L.	Temp.	Wind.	Force	Weather.
			Dir.	0-12.		Millibars at M.S.L.				Dir.	0-12.		Millimetres.	Max.	Min.						
RUSSIA.																					
Orlov ...	x	F.	x	x	x	1007.7	?	28	?	S	5	c	*	F.	F.						
Kem ...	x	x	x	x	x	1007.1	*	30	-4	—	0	s	*	x	x						
Archangel ...	x	x	x	x	x	1013.2	+2	23	-7	SSE	4	s	1	x	x						
Mesen ...	x	x	x	x	x	1014.9	*	23	-2	S	3	o	*	x	x						
SWEDEN.																					
Haparanda ...						1003.3	x	23	?	SE	2	o	*	x	x						
Herrnland ...						999.8	x	18	?	—	0	c	x	x	x						
Stockholm ...						997.3	x	18	?	—	0	f	x	x	x						
Wisby ...						992.6	x	28	?	ENE	2	r	x	x	x						
Sordoval ...						1005.7	x	30	?	S	1	o	*	x	x						
Hangö ...						1001.3	x	27	?	SW	5	o	*	x	x						
ITALY.																					
Venice ...	1022.2	43	—	0	c	1016.6	x	39	-2	NE	1	o	trace	50	37						
Turin ...							x	46	0	—	0	o	5	50	34						
Pesaro ...	1023.1	39	—	0	b	1017.4	x	55	?	W	2	o	8	55	50						
Leghorn ...	1022.8	54	W	1	b	1017.3	x	45	-1	—	0	o	—	55	36						
Rome ...	1023.6	46	N	1	b	1020.9	x	43	-11	—	0	c	5	55	24						
Viesti ...	1021.8	52	NW	2	c	1021.0	x	45	?	WNW	1	c	—	59	45						
Brindisi ...	1027.0	55	N	1	b	1021.7	x	50	0	SSW	2	b	—	63	45						
Cagliari ...	1024.7	57	NW	4	c	1023.0	x	41	-11	—	0	o	—	61	19						
Palermo ...	1024.9	52	—	0	bc	1024.8	x														
Tripoli ...							x														

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

20 <sup>th</sup> & 21 <sup>st</sup> DEC, 1918.		Sunrise.	Sunset.	Moonset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	8.4	11.51	3.38
Greenwich	...	8.4	11.51	3.38
Wick	...	8.5	11.58	3.51
Valencia	...	9.3	12.10	3.17
	...	9.3	12.10	3.17
	...	8.49	12.39	4.29
	...	8.49	12.39	4.29

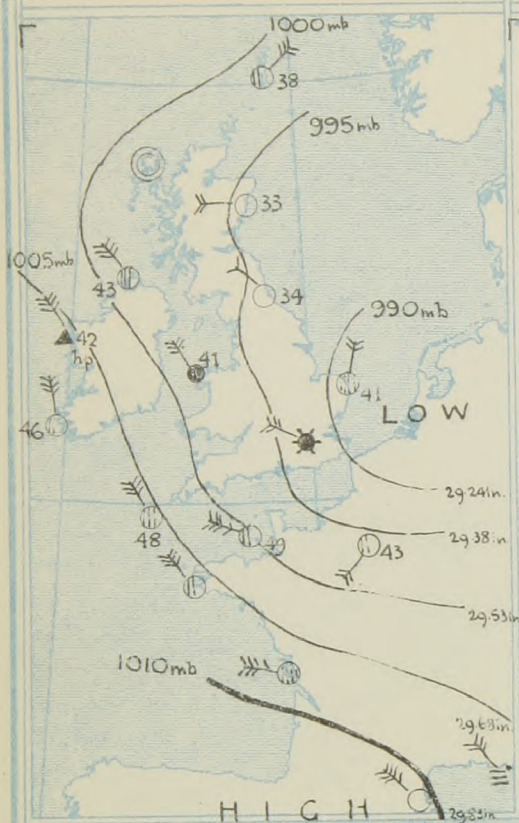
LONDON	Humidity.		Sup. Air.	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min on Grass.		Morning.	Afternoon.	Night.
20 <sup>th</sup> DECEMBER 9h. G.M.T.	19 <sup>th</sup>	20 <sup>th</sup>	19 <sup>th</sup>							
GREENWICH (Royal Observatory)	79	95	4.8	45	35	28	2	bc	bc. o. b	od x
CITY (Bunhill Row)	x	x	0.5	x	x	x	x	x	x	x
WESTMINSTER (St. James' Park)	81	100	3.2	46	33	28	2	x	x	x
" (Roof near Charing Cross)	76	93	3.2	49	39	x	2	b. bc	bc p	og
CAMDEN SQ. (British Rainfall)	77	99	1.2	46	33	30	4	c. bc	c	x
KENSINGTON PALACE	x	92	x	46	34	23	2	b. bc	c. p.	x
RICHMOND PARK	x	x	5.4	x	x	x	x	x	x	x

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 19 <sup>th</sup>		
Total.	Average Rate.	Max. Rate.
210	7.5	17
Units.	Milliwatts.	Milliwatts.



20<sup>th</sup>, DEC, at 1h. G.M.T.

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



# EXPLANATION.

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

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

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

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

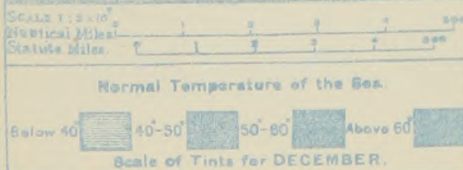
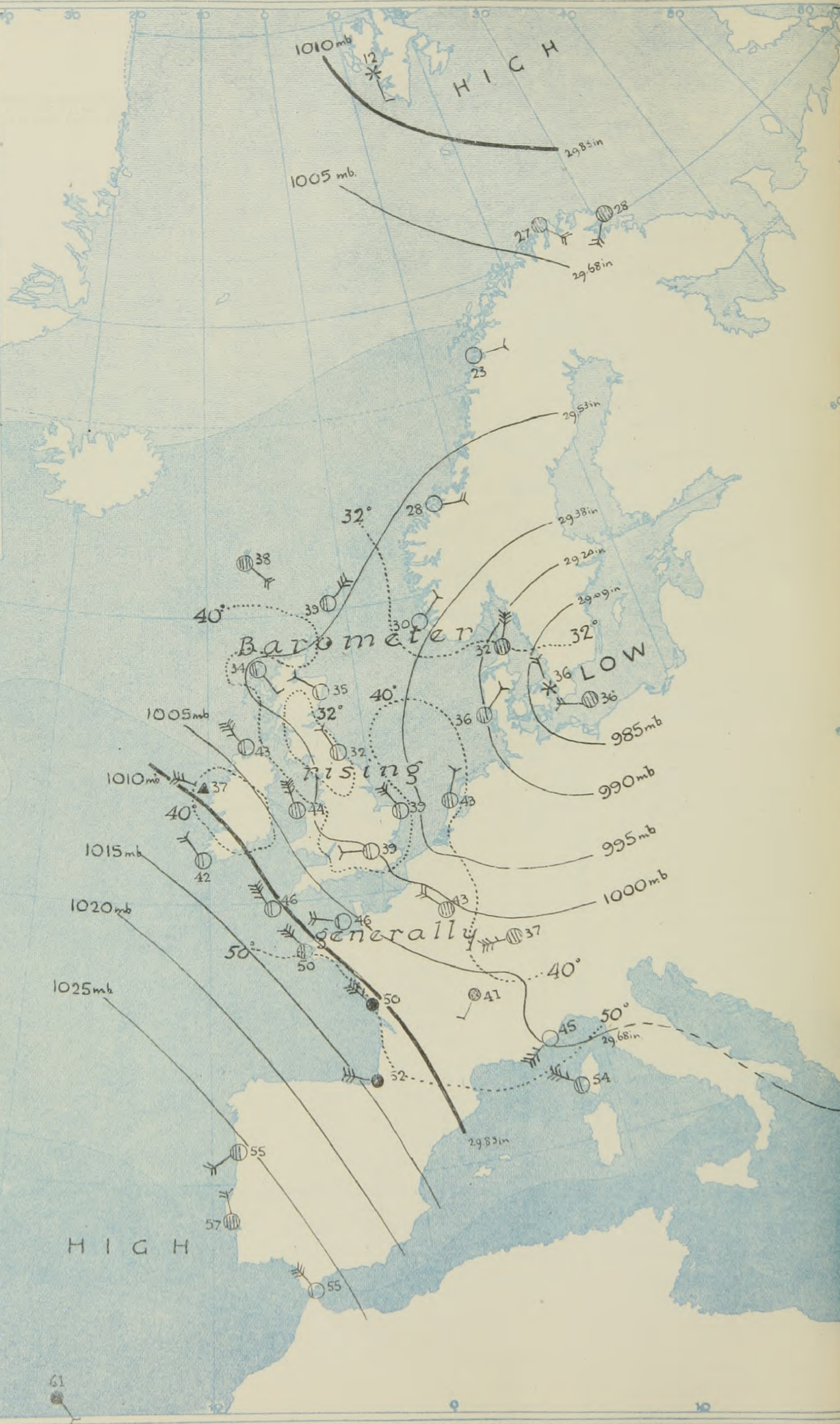
**WEATHER.**—Shown by the following symbols:—

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

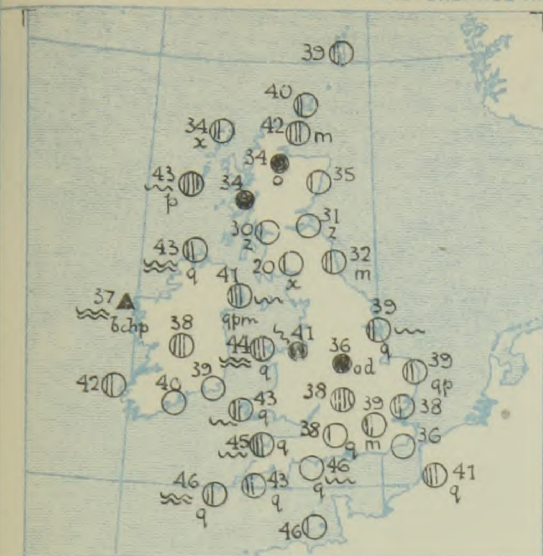
○ sky & clouded. ○ overcast sky. ● rain falling.

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

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







## NOTES.

**LIVERPOOL.** Gale 15h-20h 19h. Extreme WNW 8. 25 mps at 17h.  
**VALENCIA** W 8, gust 25 mps at 10h 19h.  
**SCILLY.** gale 7h-2h 19h. Extreme W 10 at 15h.  
**S. FARNBOROUGH** gale 10-30 pm 19h. To 1 am 20h. Extreme force 10, gust 32 mps at 40 30 pm.  
**ABERDEEN.** Moon pillar at 18h 19h. Faint aurora night 19h.

**BLACKSOP POINT** Gale 8h-12h 19h. Extreme WNW 8.  
**LERVICK.** Gale ceased 8h 19h.  
**HARTLAND** 13h-17h 19h. Extreme W 8.  
**BANTRY.** Gale 7h-13h 19h. Extreme W 9 at 11h.

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

Rain fell at many stations, 11 mm. at Malin Head and Liverpool being the largest total, and there was some sleet in the Midland and Southern districts of England. There was a good record of sunshine at Spurn, Jersey and London. The minimum temperature was 19° at Eskdalemuir and somewhat below the freezing point at most other Scottish stations.

## The Conditions at 7h. Today

There are slight secondary depressions over England and Scotland, the main area of low pressure being over the eastern Baltic. The barometer is rising generally. There is a light E. wind in the north of Scotland, but over England and Ireland the wind is from NW. It is moderate to fresh in force over the eastern half of England, and strong further west and over Ireland generally. The weather is very variable, rain falling locally in most districts, and hail in the west of Ireland, while the sky is cloudless at several stations. The temperature is everywhere rather low; at Eskdalemuir it has fallen to 20°. The readings do not reach 50°, even in the English Channel.

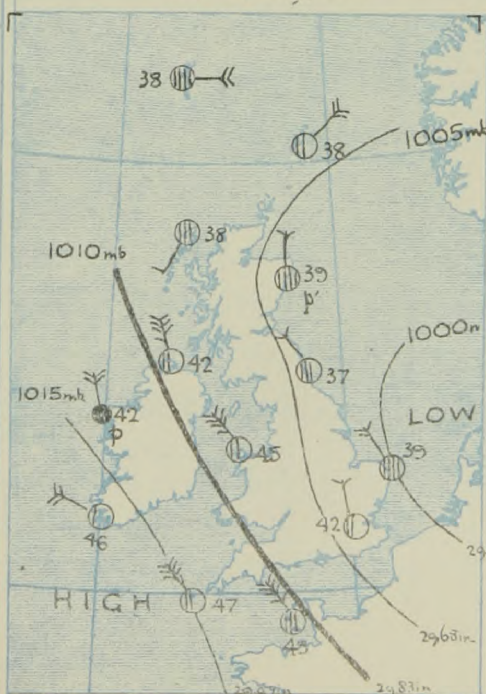
## The Outlook

Unsettled weather is likely to continue over the whole country. The wind will probably back to West again before long, and will continue to blow somewhat strongly over the Southern half of the Kingdom. Rather low temperatures may be expected.

H.A.

Friday, 20<sup>th</sup>

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



The rise of the barometer continues in all districts, and there are no signs of any fresh disturbance at the present moment. The outlook favours somewhat fairer weather than seemed likely this morning.



STATIONS.		EVENING OF 19 <sup>TH</sup> .....					MORNING OF 20 <sup>TH</sup> .....										24 HOURS ENDED 7 h. 20 <sup>TH</sup> .....						Sun- shine for 19 <sup>TH</sup> Hours.
		Barom. Milli- bars at M.S.L.	Temp.	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.				Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	992.4	38	E	5	c	1001.0	+2	39	-1	NE	5	NE	bc	3	0.2	39	33	cmq	c	bc		
	Deerness (Orkney) ...	990.2	41	E	4	OTU	1000.5	*	40	+2	NE	3	-	bc	3	7	42	38	coru	oru	orc bc	0.2	
	Stornoway ...	991.1	33	-	0	c	999.7	+4	34	+3	SE	1	-	bcx	0	-	38	29	c	c	b bcx	2.0	
	Castlebay (Barraisd.) ...	991.4	42	W	2	bcp	1001.6	+3	43	+3	WNW	5	-	op	5	1	44	38	bcp bc	bcp bc	bc op	2.2	
	Glasgow ...	992.7	34	WNW	1	bz	1000.3	+4	30	-1	WSW	1	-	bz	*	-	34	28	bc cm	bc cm	bz x	0.0	
	Eskdalemuir ...	990.9	33	N	2	0	1000.3	+4	20	-9	-	0	-	bcx	*	-	34	19	cx cm	0	o bcx	0.0	
	Malin Head ...	992.6	43	NW	2	bc	1000.9	+6	43	+8	NW	7	NW	bcq	7	11	44	35	c	c bc	bcq p	1.8	
	Blacksod Point ...	998.3	45	NW	6	bcq p	1008.6	+3	39	?	WNW	5	NW	bc p h	7	3	46	35	bcq	bc p	bcq p h	*	
	Valencia (Cabirciveen) ...	1004.0	48	NW	5	b	1013.3	+3	42	-4	NW	3	NW	bc	4	2	50	42	c bcq	cq b	c bcq	1.0	
	Roche's Point ...	999.9	46	WNW	5	b	1010.9	+2	40	-1	WNW	3	-	b	3	1	48	39	bc p q	bc p q	b	*	
	Birr Castle ...	997.0	42	W	2	c	1008.9	*	38	-4	W	1	-	c	*	2	46	37	o ep	ep	c	1.7	
	Donaghadee ...	992.6	40	NNE	4	bc m q	1001.4	+5	41	+6	WNW	5	NW	cmq p	5	7	43	34	omq p	bc m p	cmq p q	*	
	Liverpool (Bidston) ...	984.1	40	WNW	8	r	998.5	+2	41	+1	WNW	6	-	or q	5	11	45	39	o ep	or q	or q	0.2	
	Holyhead ...	992.0	42	N	8	bcq	1002.6	+3	44	+4	NNW	8	NW	cq	7	2	47	40	ep op q	op ep q	b bcq	0.0	
	Pembroke (St Ann's) ...	995.6	47	NW	6	cq p	1007.0	+6	43	-1	NW	5	-	bcq	5	1	49	43	cq	bcq	cq p q	1.4	
	Hartland Quay ...	997.0	49	WNW	7	op m q	1007.4	+5	45	-2	NW	7	-	cq	6	1	50	45	ep m	op m	op q	*	
	Scilly (St. Mary's) ...	1001.7	49	WNW	8	op p	1010.4	+4	46	+2	NW	7	NW	bcq	7	1	50	43	cq p	cq p	bq bcq	2.3	
	Falmouth ...	999.6	48	WNW	6	bcq	1008.9	+4	43	+1	NW	6	-	bcq	*	4	49	39	c p h q	c p q	bcq	3.3	
	Jersey (St. Aubin) ...	999.5	50	W	7	bq	1005.7	+1	46	+1	WNW	4	NW	b	4	2	51	43	bq c q	bcq b	cq b	4.3	
	Portland Bill ...	992.8	49	W	6	bcq	1002.9	+4	46	+3	NW	5	NW	bcq	5	1	49	43	cq p	cq p	bcq	*	
	Dungeness ...	991.0	45	W	5	bq	999.2	+6	36	-4	WNW	3	-	b	4	1	47	35	cq	cq	cq p q b	*	
NORTHERN EUROPE.	Wick ...	990.2	36	WNW	3	omp	999.8	+5	42	+1	E	2	-	cm	4	8	44	28	bc cm	ep omp	or p oc	*	
	Nairn ...	991.3	31	-	0	bc	999.5	*	34	+5	-	0	-	ro	1	5	34	27	bcx	b bcx	bc ep	3.2	
	Aberdeen ...	990.0	32	W	3	bzx	998.4	+6	35	+4	WNW	2	-	b	2	-	37	29	bzx	bzx	b bcx	3.0	
	Leith ...	991.1	33	SW	2	b	998.4	+2	31	-3	W	1	-	b	1	-	38	29	cm bcx	bcx b	bz bzx	*	
	Tynemouth ...	987.5	42	NW	2	om	997.7	+2	32	-2	NW	2	-	bc m	3	-	42	31	cm	om	bm	*	
	Spurn Head ...	987.1	40	SW	3	om	997.3	+5	39	+1	NW	4	-	bcq	5	3	40	36	cq m	cq om	cp bcq	2	
	Yarmouth (Gorleston) ...	989.9	39	WSW	2	bc	997.7	+6	39	+4	NW	5	-	bcq p	4	3	41	35	omp bc	bc	omp bc	1.9	
	Clacton-on-Sea ...	989.4	42	W	4	bcu	998.0	+4	38	-2	NW	4	NW	bc	2	1	44	38	bc	bcq r	bcq r	3.5	
	Nottingham ...	984.6	43	SW	3	or	999.0	*	36	-1	W	2	-	od	*	5	44	34	o cm	or	ors	1.1	
	Benson (Oxon.) ...	988.5	43	WSW	4	o	1000.3	+2	38	+1	W	3	-	o	*	0.4	45	33	bc	bc	bcq r	*	
FRANCE, &c.	Sth Farnborough ...	-	-	SSW	6	b	1001.0	+2	37	0	W	3	-	o	*	trace	45	32	bc b bc	bc p up b	b bdo	5.0	
	Salisbury Plain ...	991.3	43	W	7	bcq	1002.0	+3	38	+2	W	5	-	bq	*	2	44	33	bcq p	b or q	bc p sr	*	
	London (Kew Obs.) ...	989.5	44	SW	4	b	1000.7	+3	39	-2	W	2	NW	bc m	*	1	46	35	c b bc	bc o p b	b bcq	4.3	
	Spitsbergen ...	1009.9	14	N	4	S	1013.1	+2	12	-4	S	1	x	S	x	16	9						
	Vardö ...	1005.5	23	SW	4	b	1008.5	+1	28	+1	SW	4	-	o	3	x	28	21					
	Gjesvær ...	1002.4	28	SE	4	b	1005.7	*	27	-7	SE	4	-	c	3	1	34	23					
	Bodö ...	999.3	23	E	1	b	1001.0	0	23	-4	E	2	-	b	2	-	27	19					
	Christiansund ...	996.7	28	-	0	b	999.3	0	28	-2	E	3	-	b	3	-	32	28					
	Skudesnaes ...	990.9	37	NE	4	c	996.2	+0	30	-7	NE	2	-	b	2	-	37	30					
	Færder (Xtania Fjrd) ...	991.9	27	N	6	o	992.7	+1	30	+5	NNE	7	-	o	3	-	30	25					
IBERIA, &c.	The Scaw (Stagen) ...	986.4	36	NE	6	o	989.0	+1	32	-4	NNE	6	-	o	6	-	37	32					
	Blaavands Huk ...	984.2	34	NE	1	c	991.8	+5	36	0	NE	2	-	c	x	1	37	32					
	Copenhagen ...	979.4	36	NNE	5	r	983.4	+3	36	-3	N	3	-	s	x	6	39	34					
	Bornholm ...	977.1	39	E	1	r	981.0	+2	36	-1	WNW	3	-	o	1	4	39	34					
	The Helder ...	986.0	43	W	7	o	993.3	+4	43	-2	NNE	2	-	c	2	1	45	41					
	C. Gris Nez ...	991.7	46	WSW	7	c	998.7	+8	41	-2	NNW	6	*	b	*	-	50	37					
	La Hève ...	991.6	46	W	8	o	1003.1	+8	45	0	N	5	*	bc	*	7	50	41					
	Brest (St. Mathieu) ...	1005.2	50	NW	7	bc	1011.1	+3	50	+2	NW	6	*	bc	*	3	50	45					
	Roche fort (Ile d'Aix) ...	1008.8	48	NW	7	o	1010.1	+2	50	?	NW	7	*	r	*	7	55	46					
	Biarritz ...	1015.9	61	SE	7	r	1014.4	+1	52	-2	WNW	6	*	r	*	26	59	50					
MEDITERRANEAN.	Paris ...	1000.6	41	SW	3	b	1001.6	+6	43	0	NW	4	*	o	*	3	45	37					
	Lelfort ...	1003.1	37	W	6	c	1000.3	*	37	-4	W	7	*	o	*	2	41	36					
	Lyons ...	1007.0	43	WNW	4	o	1008.2	-1	41	-9	SW	1	*	r	*	1	54	37					
	Nice ...	1001.1	50	WSW	6	c	1005.0	+2	4	5	WSW	7	*	b	*	-	59	43					
	Perpignan ...	1009.9	57	NW	8	b							*		*								
	Sanguinaire ...	1009.5	55	NW	7	c	1007.3	0	54	0		7	*	bc	*	-	61	46					
	Corunna ...																						
	Madrid ...																						
	Lisbon ...																						
	Azores (Horta) ...	1028.3	*	S	6	c																	
MEDITERRANEAN.	" (P. Delgado) ...	1031.1	*	WNW	1	c	1029.1	-1	59	-2	WSW	2	*	o	3	-	64	259					
	Madeira ...	1028.8	63	E	2	bc	1028.6	-1	61	0	SE	2	-	r	3	?	66	61					
	Gibraltar ...	1026.4	56	NW	6	b	1026.1	*	55	?	NW	6	*	b	3	-	63	47					
	Algiers ...		*	*	*	*																	
	Malta ...		*	*	*	*																	
	Salonica ...		*	*	*	*	1002.7	*	53	+7	SE	4	SW	o	*	-	57	44					
	Athens ...		*	*	*	*																	
	Candia ...		*	*	*	*																	

THE BEAUFORT SCALE OF WIND FORCE.

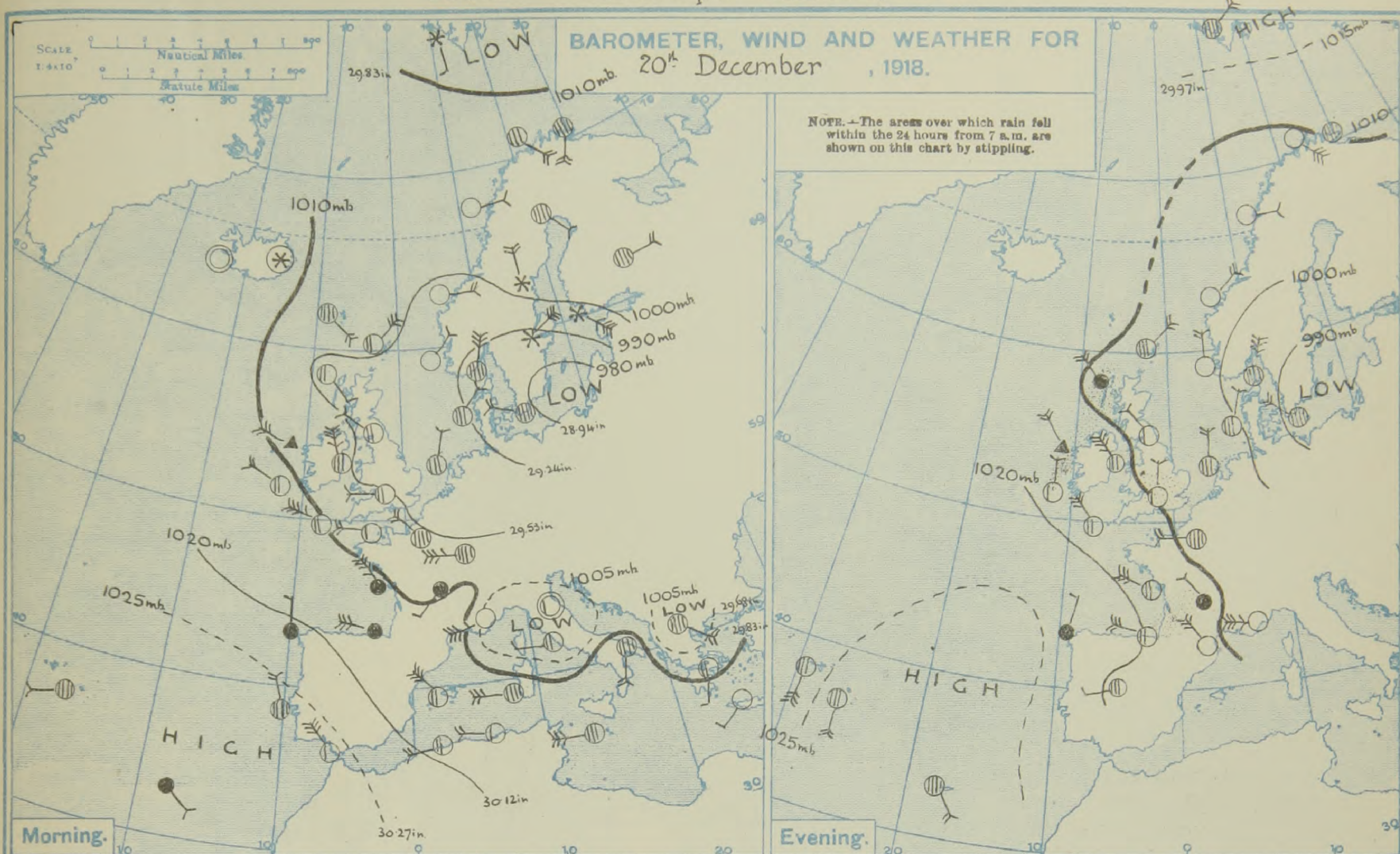
No.	Limits of Velocity.	
	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-8.0
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5
12	Above 75	33.6 or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



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,848.

Saturday, 21<sup>st</sup> December, 1918.



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

STATIONS.		EVENING OF 19 <sup>TH</sup> .....					MORNING OF 20 <sup>TH</sup> .....										MORNING OF 20 <sup>TH</sup> .....							
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.	
		*F.	*F.						*F.	*F.					*F.	*F.			*F.	*F.				
RUSSIA.	Orlov ...	*	*	*	*	*									*	*								
	Kem ...	*	*	*	*	*									*	*								
	Archangel	*	*	*	*	*									*	*								
	Mesen...	*	*	*	*	*									*	*								
SWEDEN.	Haparanda						1005.6	*	30	+7	SSE	2	0	*	*	*								
	Hernösand						1000.4	*	21	+3	N	4	S	*	*	*								
	Stockholm						988.4	*	32	+6	NE	6	S	*	*	*								
	Wisby ...						983.9	*	37	+9	ENE	18	0	*	*	*								
	Sordovalä						1008.3	*	27	-3	E	3	0	*	*	*								
	Hangö ...						997.3	*	36	+9	SE	8	S	*	*	*								
ITALY.	Venice ...							*																
	Turin ...	1013.1	36	S	5	b	1013.4	*	40	?	SW	6	b	—	46	34								
	Pesaro ...	1011.7	43	W	1	o	1003.8	*	36	+10	—	0	b	7	57	34								
	Leghorn							*																
	Rome ...	1005.7	55	ESE	2	o	1004.1	*	52	+7	W	1	bc	6	57	50								
	Viesti ...	1001.8	55	SW	6	c	1000.6	*	54	+11	WNW	3	o	—	61	45								
	Brindisi ...	1016.5	57	SSE	2	o	1014.1	*	59	+14	SSW	3	o	—	59	54								
	Cagliari	1015.7	50	W	4	o	1012.5	*	48	-2	W	5	o	5	63	35								
	Palermo							*																
	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> DEC 1918.		Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.	
Yarmouth ...	8.4	11.51	3.38	
	8.5	11.52	3.39	
Greenwich ...	8.5	11.58	3.51	
	8.6	11.59	3.52	
Wick ...	9.3	12.10	3.17	
	9.4	12.11	3.18	
Valencia ...	8.49	12.39	4.29	
	8.50	12.40	4.30	

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

21 <sup>ST</sup> & 22 <sup>ND</sup> DEC 1918.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.4	11.51	3.38
Greenwich ...	8.5	11.52	3.39
Wick ...	8.6	11.59	3.52
Valencia ...	8.49	12.39	4.29
	8.50	12.40	4.30

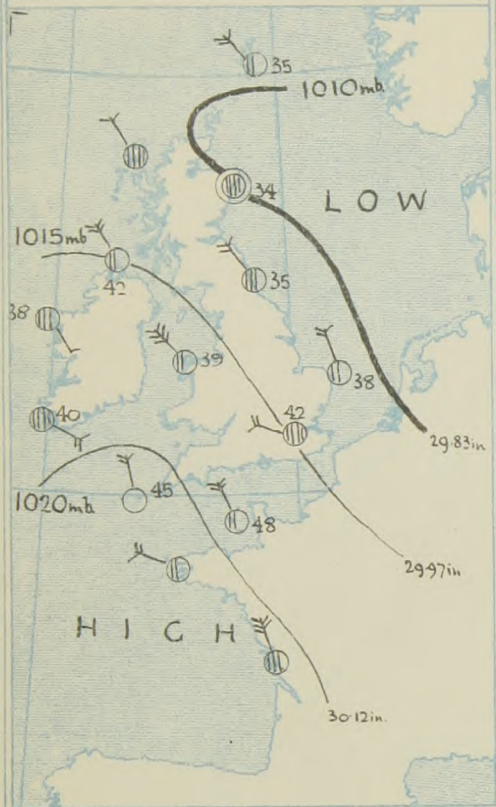
LONDON	HUMIDITY.		Sun-shine for Hours.	TEMPERATURE.			Rain-fall. mm.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
21 <sup>ST</sup> DECEMBER 9h. G.M.T.	20 <sup>TH</sup>	21 <sup>ST</sup>	20 <sup>TH</sup>	°F.	°F.	°F.				
GREENWICH (Royal Observatory)	85	89	0.4	41	34	28	1	or	a.c	c.o.bx
CITY (Bunhill Row)	*	*	0.4	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	90	96	0.5	43	33	28	1	*	*	*
" (Roof near Charing Cross)	83	86	0.0	43	36	*	1	orpc	bc.c	o.bcm
CAMDEN SQ. (British Rainfall)	86	96	0.8	42	32	25	1	c	c	*
KENSINGTON PALACE	—	91	*	42	35	25	0.4	or	c.o	*
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.
111	4.0	18



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

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



**EXPLANATION.**

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

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

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

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

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

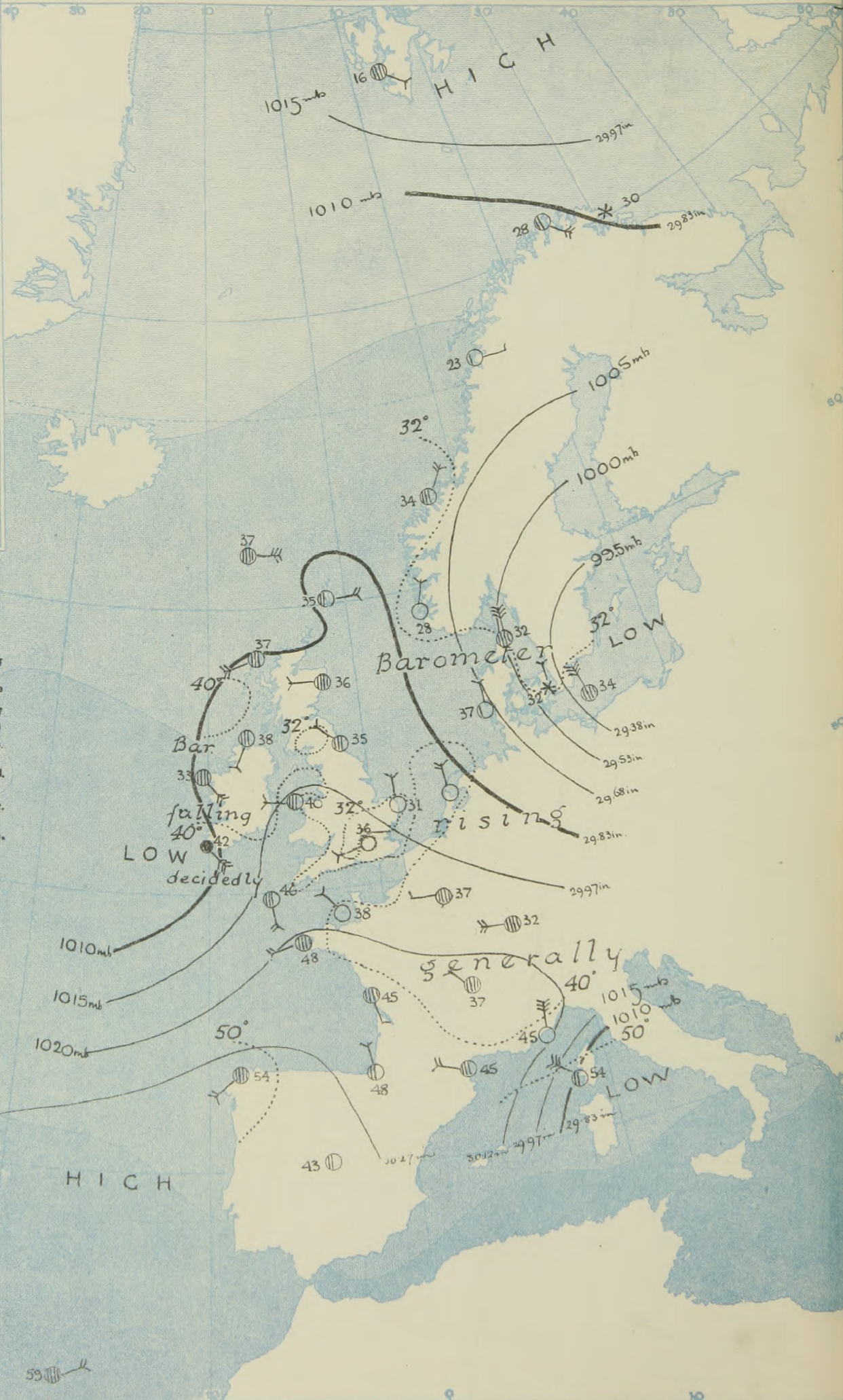
○ clear sky    ☉ sky & clouded.    ☁ sky & clouded.

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

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

⚡ thunderstorm.

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



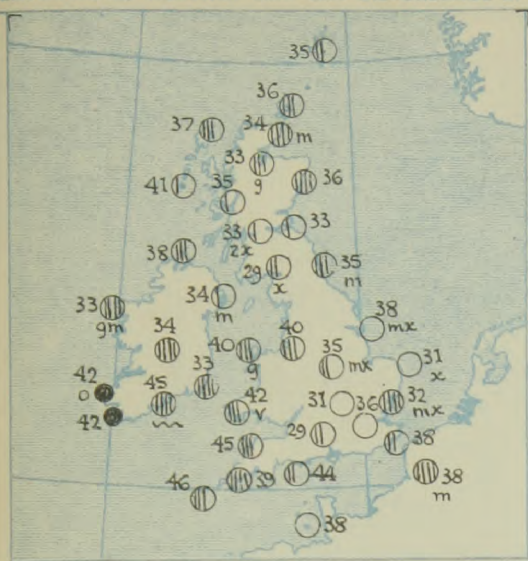
SCALE 1 : 2 × 10<sup>5</sup>  
Nautical Miles  
Statute Miles

Normal Temperature of the Sea.

Below 40° 40°-50° 50°-60° Above 60°

Scale of Tints for DECEMBER.





## NOTES.

AURORA observed at 18h 20m at Lerwick, Deerness & Stornoway.

LUNAR HALO observed at Glasgow, Langholm, Malin, Roches, Donaghadee, Holyhead, Harland, Falmouth, Portland.

HALO & PARHELION at S. Farnborough 8-10 am. 21st.

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

There was no rain in many parts of the country, but at Liverpool there was a total of 11 mm, at Stornoway 6 mm, and at Deerness 5 mm. Sunshine records were fairly good, 6 hours at Pembroke and Birr Castle, and 5½ hours at Eskdale and Jersey. Lunar halos were reported from a large number of stations. The temperature continued rather low.

## The Conditions at 7h. Today

A new depression is indicated off the west coast of Ireland, and a rapid fall of the barometer has begun at Valencia. Light W. or NW. winds prevail over England and Scotland, but in the south of Ireland the wind has become strong from SE. The weather is fine generally over Southern Scotland and Eastern England, and is cloudy or dull elsewhere, with rain in the south of Ireland.

The temperature is slightly below the freezing point at several English stations, and also at Eskdalemuir.

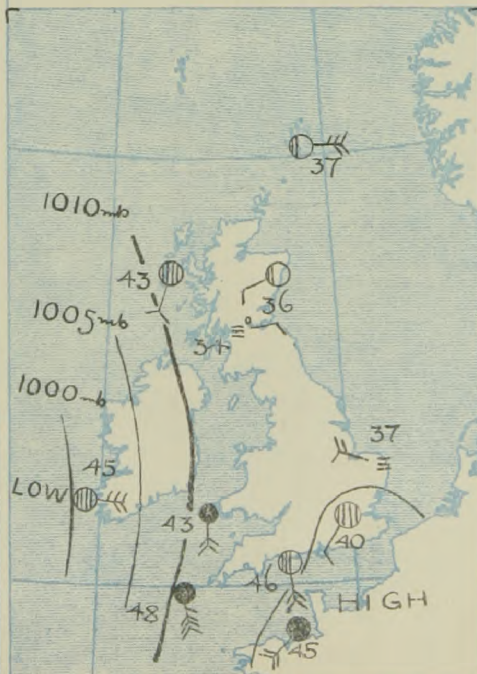
## The Outlook

The depression in the west is likely to cause the wind to back to between SE. and SW. and become stronger in all districts. The weather will become mild and showery again.

*H.H.*



SATURDAY, 21<sup>ST</sup> DECEMBER, 1918, at 12h. (1p.m.) G.M.T.



The fall of the barometer has extended eastwards as far as the North Sea. The outlook is similar to what it was this morning.



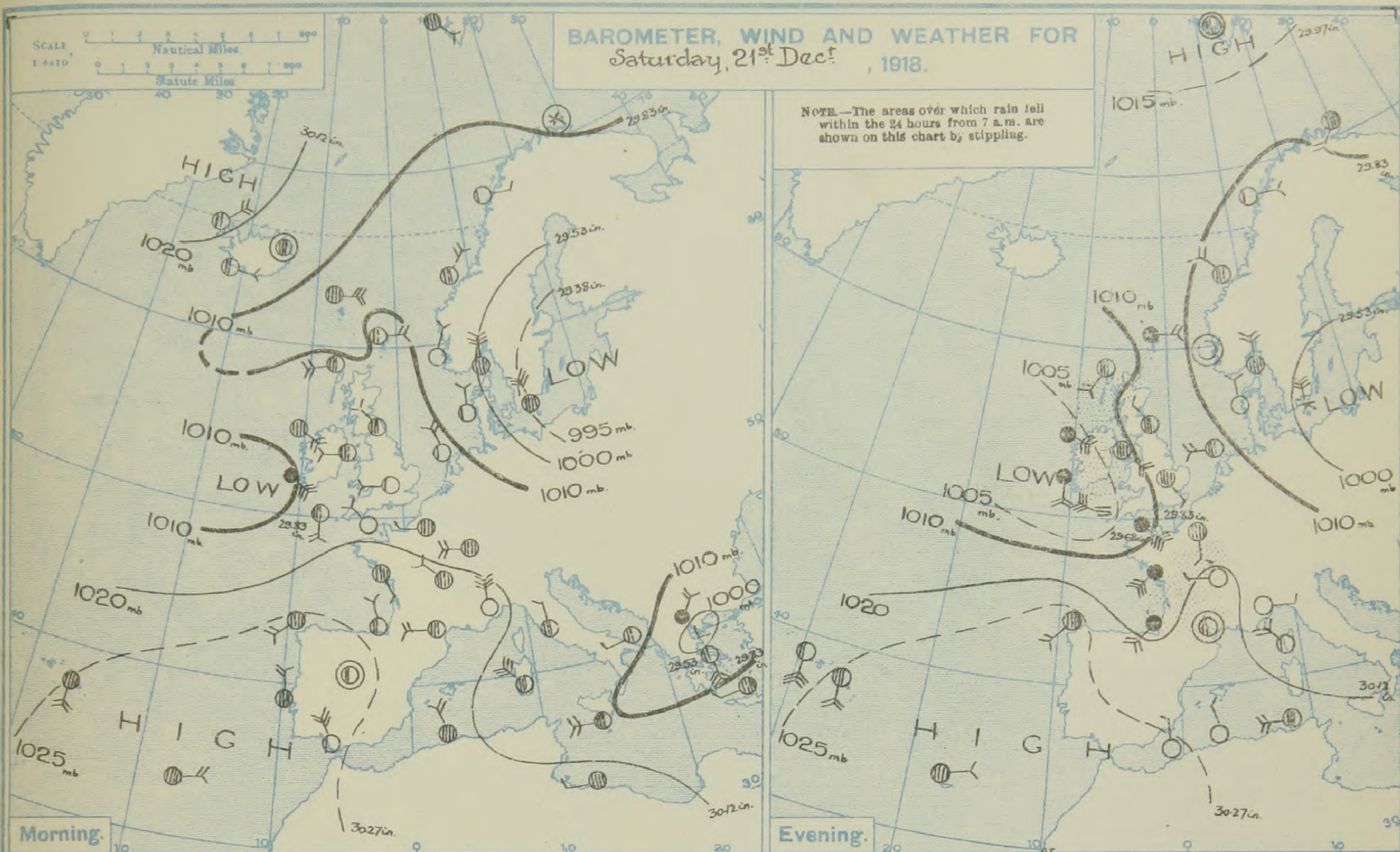




# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20849. Sunday, 22<sup>nd</sup> December, 1918.

## BAROMETER, WIND AND WEATHER FOR Saturday, 21<sup>st</sup> Dec<sup>r</sup>, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF December 21<sup>st</sup>

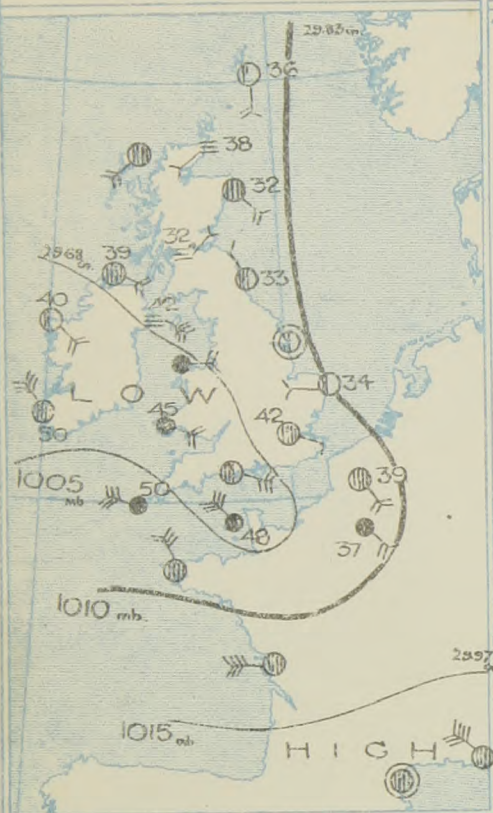
STATIONS.		EVENING OF 20 <sup>TH</sup>					MORNING OF 21 <sup>ST</sup>										MORNING OF 21 <sup>ST</sup>						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.			
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.
		* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.
RUSSIA.	Orlov ...	*	*	*	*	*	1019.3	-	19	-	S	4	0	-	*	*	Isafjord ...	1020.8	27	?	NE	4	bc
	Kem ...	*	*	*	*	*	1016.0	-	10	-	SSE	3	0	-	*	*	Reykjavik	1017.7	25	+6	-	0	c
	Archangel ...	*	*	*	*	*	1023.3	0	18	-	SSE	3	0	0	*	*	Vestmanna	1019.7	30	+11	E	2	bc
	Mesen...	*	*	*	*	*	1025.2	-	16	-	SSE	3	0	-	*	*	Seydisfjord	1019.9	25	-3	-	0	c
SWEDEN.	Haparanda ...						*							*	*	Thorshavn	1008.4	37	-1	E	5	o	
	Hernösand ...						*							*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
	Stockholm ...						*							*	*	22 <sup>ND</sup> & 23 <sup>RD</sup> Dec. 1918.							
	Wisby ...						*							*	*	Sunrise.		Noon.		Sunset.			
	Sordovalva ...						*							*	*	G.M.T.	G.M.T.	G.M.T.					
ITALY.	Hangö ...						*							*	*	Yarmouth ...	8.5	11.52	3.39				
	Venice ...						*							*	*	Greenwich ...	8.5	11.52	3.39				
	Turin ...						1017.3	*	37	+1	WSW	1	c			Wick ...	8.6	11.59	3.52				
	Pesaro ...						1017.4	*	43	?	-	0	b			Valencia ...	8.6	11.59	3.52				
	Leghorn ...						1015.8	*	41	-11	N	1	c				8.4	12.11	3.18				
	Rome ...						1014.5	*	50	-4	N	2	c				8.4	12.11	3.18				
	Viesti ...						1012.9	*	55	-4	WSW	1	bc				8.5	12.40	4.30				
	Brindisi ...						1018.9	*	46	-2	NW	6	c				8.50	12.40	4.30				
	Cagliari ...							*															
	Palermo ...						1023.3	*	54	?	WSW	1	b										
Tripoli ...							*																

LONDON		HUMIDITY.		Sun- shine for	24 HOURS ENDED 9 h. 22 <sup>ND</sup>			WEATHER.			SOUTH KENSINGTON (M.O.)			
		15 h.	9 h.		TEMPERATURE.			Rain- fall.			Vertical Component of Solar Radiation per square Centimetre during 21 <sup>ST</sup>			
December 22 <sup>ND</sup> 9h. G.M.T.		21 <sup>ST</sup>	22 <sup>ND</sup>	21 <sup>ST</sup>	Max.	Min.	Mtn. on Grass			Morning.	Afternoon.	Night.	Total.	Average Rate.
		%	%	Hours.	° F.	° F.	° F.	mm.						
GREENWICH (Royal Observatory)		84	95	0.0	41	34	34	0.0	c	0	0			
CITY (Benhill Row)		*	*	0.0	*	*	*	*	*	*	*			
WESTMINSTER (St. James's Park)		85	97	0.0	42	33	29	0.0	*	*	*			
" (Roof near Charing Cross)		81	94	0.0	43	36	*	TRACE	bmor	ogm	ogm			
CAMDEN SQ. (British Rainfall)		84	95	0.0	41	34	32	0.0	0	0	*			
KENSINGTON PALACE		82	97	*	42	38	34	0.0	0	0	*			
RICHMOND PARK		*	*	0.0	*	*	*	*	*	*	*			
												163	5.8	13



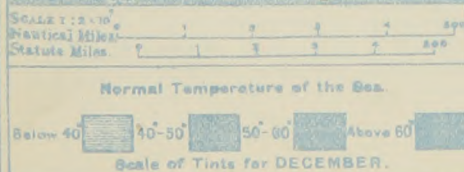
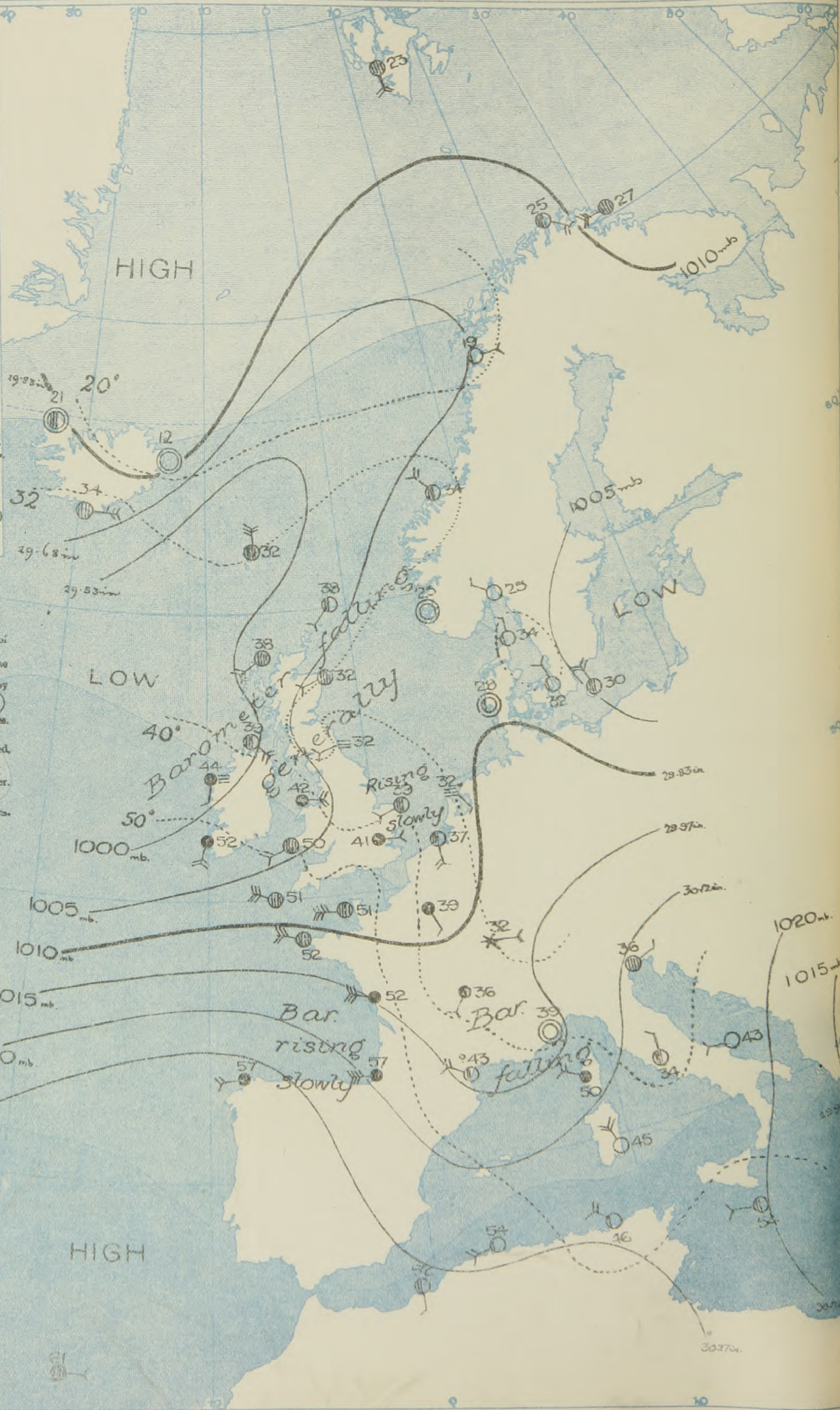
22<sup>ND</sup> DEC, at 1h. G.M.T.

THE MORNING OF SUNDAY, 22<sup>ND</sup> DECEMBER 1918, at 7h. G.M.T.

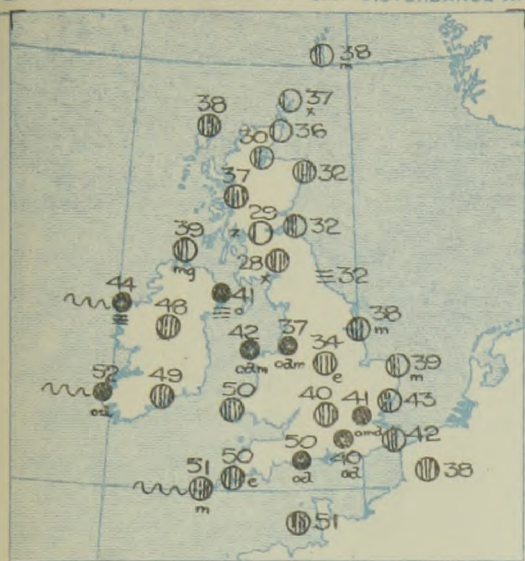


EXPLANATION.

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







## NOTES.

## Conditions at 7a.m. and Subsequent Developments.

At 7 a.m. a depression was indicated off NW Ireland and a slight secondary over England. The wind was variable in direction, being from E or SE in the neighbourhood of the Irish Sea, and in the Midland and SE districts of England, and from between SW and W elsewhere. It was moderate or fresh in Ireland and the Hebrides, and strong in the western half of the Channel, but light elsewhere.

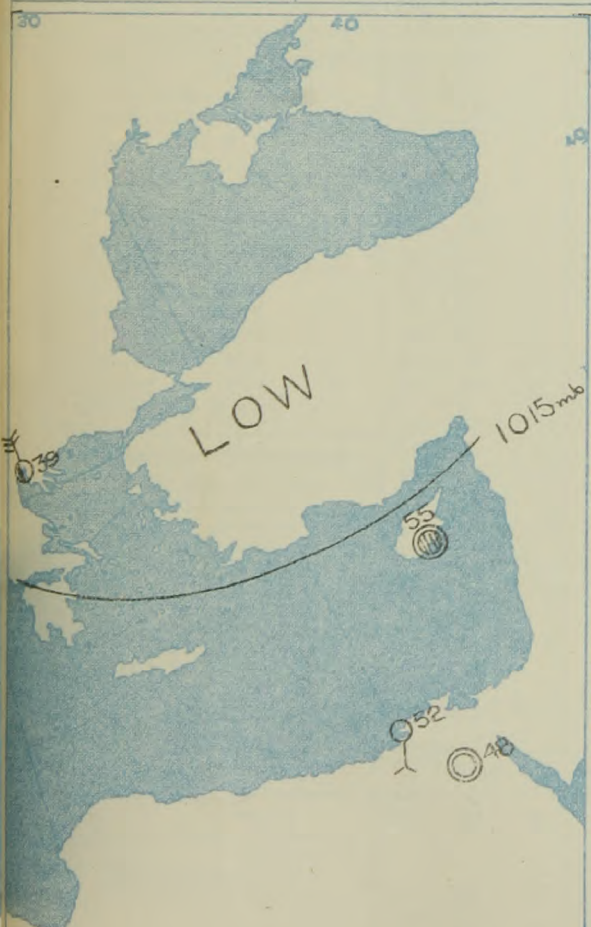
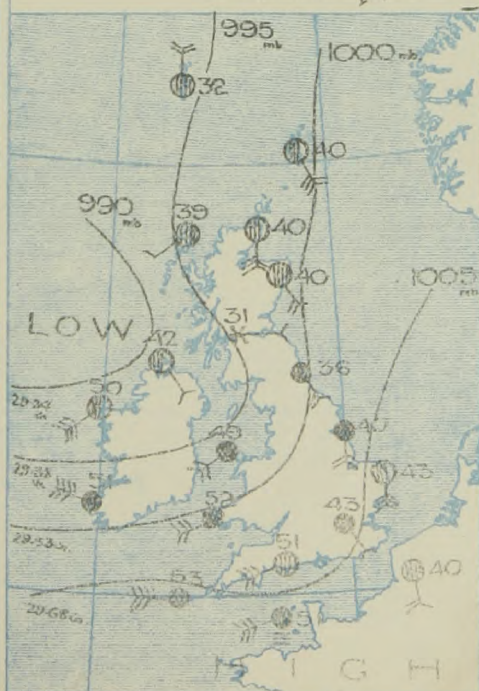
Rain was falling in Ireland and over the Irish Sea, and also in the South of England. Fog was reported at Blacksed Point, Donaghadee, and Tynemouth. The temperature had risen to  $50^{\circ}$  in SW Ireland, S Wales and over the western half of the Channel, but was below the freezing point in parts of Scotland.

In the afternoon the fall of the barometer became rapid in Scotland, and the wind increased in force in nearly all regions, while rain spread to the western shores of the North Sea.

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

Temperature rose to between  $50^{\circ}$  and  $53^{\circ}$  at south coast stations, but at most of the northern ones the maxima were below  $40^{\circ}$ , as low as  $30^{\circ}$  at Eskdale. Night frost occurred in many districts, a shade reading of  $23^{\circ}$  at Eskdale. Overcast, dull skies were the rule, so that there was an almost entire absence of sunshine. Rain in appreciable amounts fell in the south and south-west, 16 mm. at Roches Point, and 18 mm. at Palmarsh.

H.A.

Sunday, 22<sup>nd</sup> DECEMBER, 1918, at 13h. (1p.m.) G.M.T.



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 24 <sup>hrs</sup>
		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.	Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
				Dir.	Force 0-12.												Max.	Min.	Morning	Afternoon	Night			
BRITISH ISLANDS.	Lerwick ...	1010.6	36	E	3	cmp	1004.3	-2	38	+3	SW	2	-	bcm	2	3	38	34	bc	bc.p	cmp	Hours.		
	Deerness (Orkney) ...	1008.1	37	SW	2	cp	1003.4	*	37	+1	SW	2	-	bc	3	1	39	35	c.op	po.c	c.bc	0.1		
	Stornoway ...	1008.1	39	SW	3	c	1002.0	-6	38	+1	SW	4	-	o	3	1	39	35	c.po	o.c	o	0.0		
	Castletown (Barra Isd.) ...	1008.6	42	-	0	o													o.p.o					
	Glasgow ...	1011.1	31	E	1	bz	1004.9	-6	29	-4	ENE	2	-	bz	*	-	34	29	r.z.fx	f.bz	ombz	0.0		
	Esksdalemuir ...	1011.6	26	-	0	b	1006.0	0	28	-1	WNW	1	-	oe	*	-	30	23	bc.at	oe.c	bc.ox	0.0		
	Malin Head ...	1007.5	36	ESE	2	omx	993.8	-3	39	+1	SE	4	-	cmg	3	-	43	37	c.g	c.c	cmg	0.0		
	Blacksod Point ...	100.9	38	ESE	6	omd	997.0	-5	44	?	SSW	1	-	ogf	5	3	44	39	ogf	omd	ogf			
	Valencia (Cahirciveen) ...	1002.2	48	S	4	od	1002.1	-3	52	+10	SSW	4	-	od	5	9	52	42	orpq	odo.od	od.co	0.0		
	Roche's Point ...	1002.3	46	E	4	of	1003.3	-1	49	+4	W	2	-	o	4	16	49	43	rm	r.f.d	f.d.o	*		
	Birr Castle ...	1003.3	40	SE	2	r	1001.0	*	48	+14	SW	1	-	o	*	6	48	34	or	or	or.op	0.0		
	Donaghadee ...	1008.8	42	SSE	3	ogm	1002.0	-4	41	+7	SE	4	-	ofr	4	1	43	32	bm.ogm	ogm	ogm	*		
	Liverpool (Bidston) ...	1009.3	36	SE	2	m	1004.5	-2	37	-3	ESE	3	-	odm	2	1	40	36	bcm	o	c.om	0.0		
	Holyhead ...	1008.1	41	SE	4	og	1002.2	-3	42	+2	E	4	-	odm	2	2	42	38	c.og	.og	opd.od	0.0		
	Pembroke (St Ann's) ...	1004.8	42	ESE	6	or	1004.5	0	50	+8	WSW	3	-	o	4	7	50	42	over	CV0V	or.odo	0.0		
	Hartland Quay ...																					*		
	Scilly (St. Mary's) ...	1004.0	52	WNW	6	fe	1008.6	0	51	+5	WNW	6	-	om	6	9	52	45	comr	fe	omd.om	0.0		
	Falmouth ...	1003.2	48	NNE	5	odq	1008.1	+3	50	+11	W	2	-	oe	*	18	50	38	or	orgd.g	od	0.0		
	Jersey (St. Aubin) ...	1008.5	45	SE	7	ogf	1008.3	+1	51	+13	W	7	-	or	4	11	53	37	b.ogf	ogf	oro	0.0		
	Portland Bill ...	1007.6	45	SE	5	or	1005.1	+1	50	+6	W	4	-	od	4	4	50	43	bcf	c.or	c.od	*		
	Dungeness ...	1011.9	45	SW	3	o	1006.7	+2	42	+4	S	4	-	c	3	0.2	46	34	c.bc	c.o	c.cpc	*		
NORTHERN EUROPE.	Wick ...	1009.0	35	WSW	3	bc	1003.3	-3	36	+2	SW	2	-	b	2	-	37	32	om.bc	bc	bcmb	*		
	Nairn ...	1009.3	32	-	0	bc	1003.6	*	30	-3	-	0	-	bcg	1	-	36	28	cg	cg.bc	bc.g	0.0		
	Aberdeen ...	1010.6	32	WSW	1	bz	1005.4	-4	32	-4	WSW	2	-	o	2	-	36	29	oz.bc	bc.bz	bc.bco	0.3		
	Leith ...	1011.0	34	SW	1	b	1005.2	-2	32	-1	SE	1	-	c	1	-	37	30	bc.cm	cm.bz	bmz	*		
	Tynemouth ...	1010.5	34	NW	1	cm	1006.5	-2	32	-3	WSW	2	-	f	2	-	36	30	cm	cm	c.mg	*		
	Spurn Head ...	1011.9	38	WNW	1	om	1008.0	0	38	0	-	0	-	cm	3	-	38	35	bcm	bc.om	bcm	0.0		
	Yarmouth (Gorleston) ...	1013.0	35	WNW	2	b	1009.6	+2	39	+8	WSW	2	-	cm	3	-	43	30	f	f.bm	bcm.cm	1.3		
	Clacton-on-Sea ...	1013.1	40	SSW	2	og	1008.2	0	43	+11	SSE	3	W	c	2	1	44	32	b.bcm	bcm.og	c.ogp.c	0.8		
	Nottingham ...	1011.5	33	W	1	o	1007.1	*	34	-1	E	2	NE	oe	*	0.2	36	31	c.om	om	o.c	0.0		
	Benson (Oxon.) ...	1011.2	37	S	1	o	1006.3	-3	40	+9	SE	3	-	o	*	-	40	30	b.	bc.o	o	*		
	Sth Farnborough ...						1006.8	0	40	+10	E	2	-	od	*	0.3	40	29			or.ord	0.0		
	Salisbury Plain ...						1006.6	+1	40	+11	ESE	2	-	od	*	2	44	29			ord	*		
London (Kew Obs.) ...	1012.2	39	SSE	1	om	1007.5	+2	41	+5	E	2	-	omd	*	TRACE	41	33	b.bcm.om	om	om.ord	0.0			
FRANCE, &c.	Spitsbergen ...	1017.7	9	-	0	bc	1012.7	0	23	+7	S	4	*	o	*	*	23	16						
	Vardö ...	1013.9	27	SW	3	o	1012.6	-1	27	-3	W	5	-	o	3	-	30	26						
	Gjesvær ...	1009.0	27	SE	4	b	1008.6	*	25	-3	SE	3	-	c	3	-	28	21						
	Bodö ...	1009.1	23	E	2	b	1005.0	-2	19	-4	E	2	-	b	2	-	23	19						
	Christiansund ...	1009.3	34	NW	3	c	1006.1	-1	34	0	NW	3	-	c	2	4	36	32						
	Skudesnaes ...	1009.3	32	-	0	b	1007.3	-2	25	-3	-	0	-	b	1	-	30	23						
	Færder (X'landfjord) ...	1007.4	28	NNW	4	b	1007.1	-0	25	-5	NW	1	-	b	1	-	30	25						
	The Scaw (Skagen) ...	1005.0	34	N	4	o	1006.3	0	34	+2	N	1	-	b	1	-	34	30						
	Blaavands Huk ...	1008.7	36	N	2	b	1009.1	-1	28	-9	-	0	-	b	*	-	39	25						
	Copenhagen ...	1002.1	34	NNW	3	o	1007.1	+1	32	0	NNW	2	-	b	*	1	36	30						
	Bornholm ...	999.1	34	NNW	6	s	1005.0	+1	30	-4	NNW	4	-	c	1	1	36	28						
	The Helder ...	1012.6	41	W	3	c	1009.3	-1	32	-9	SSE	1	-	m	1	-	45	32						
C. Gris Nez ...	1013.2	39	SE	3	r	1006.6	+3	39	-2	SSE	3	*	o	*	2	45	36							
La Hève ...	1014.3	41	SW	3	r	1007.0	+0	48	+5	NNW	3	*	f	*	6	48	41							
Brest (St. Mathieu) ...	1007.7	54	SSE	5	f	1012.0	+1	52	+4	S	5	*	o	*	13	54	46							
Rochefort (Ile d'Aix) ...	1013.9	50	SW	6	r	1014.4	+2	52	+7	WNW	6	*	r	*	14	55	45							
Biarritz ...	1019.8	54	SW	4	r	1019.5	+1	57	+9	W	7	*	r	*	2	57	52							
IBERIA, &c.	Paris ...	1017.0	41	S	2	o	1007.4	-1	39	+2	SSE	1	*	r	*	2	45	37						
	Belfort ...						1011.7	*	32	0	E	2	*	s	*	3	37	32						
	Lyons ...	1022.6	36	W	1	b	1013.2	-2	36	-1	SW	2	*	r	*	TRACE	43	34						
	Nice ...	1017.1	45	E	1	b	1011.4	-5	39	-6	-	0	*	b	*	-	55	37						
	Perpignan ...	1021.6	46	-	0	bc	1014.9	-3	43	-2	WNW	3	*	bc	*	TRACE	52	39						
	Sanguinaire ...	1015.9	39	NW	4	b	1017.5	+1	50	-4	NW	3	*	r	*	-	61	48						
MEDITERRANEAN.	Corunna ...	1025.3	57	SW	3	o	1026.3	+1	57	+3	WSW	3	-	r	2	3	61	55						
	Madrid ...																							
	Lisbon ...																							
	Azores (Horta) ...	1023.1	*	SSE	6	bc																		
	" (P. Delgada) ...	1026.7	*	S	4	c	1026.6	0	61	-1	S	4	*	b	3	-	64	61						
	Madeira ...	1028.6	63	ENE	2	o	1028.3	0	61	+2	E	2	-	o	3	-	64	59						
MEDITERRANEAN.	Gibraltar ...																							
	Algiers ...	1024.6	54	NNW	1	b	1024.6	+1	54	?	WSW	3	-	b	4	-	61	52						
	Malta ...	*	*	*	*	*	1020.0	+5	54	-3	WNW	2	-	bc	3	-	61	50						
	Salonica ...						1012.5	?	39	?	N	5	NW	bc	*	2	53	38						
	Athens ...																							
	Candia ...																							

\* Information for these columns not usually received.

† Received too late for insertion in Charts

‡ The barometric change is expressed in half-millibars

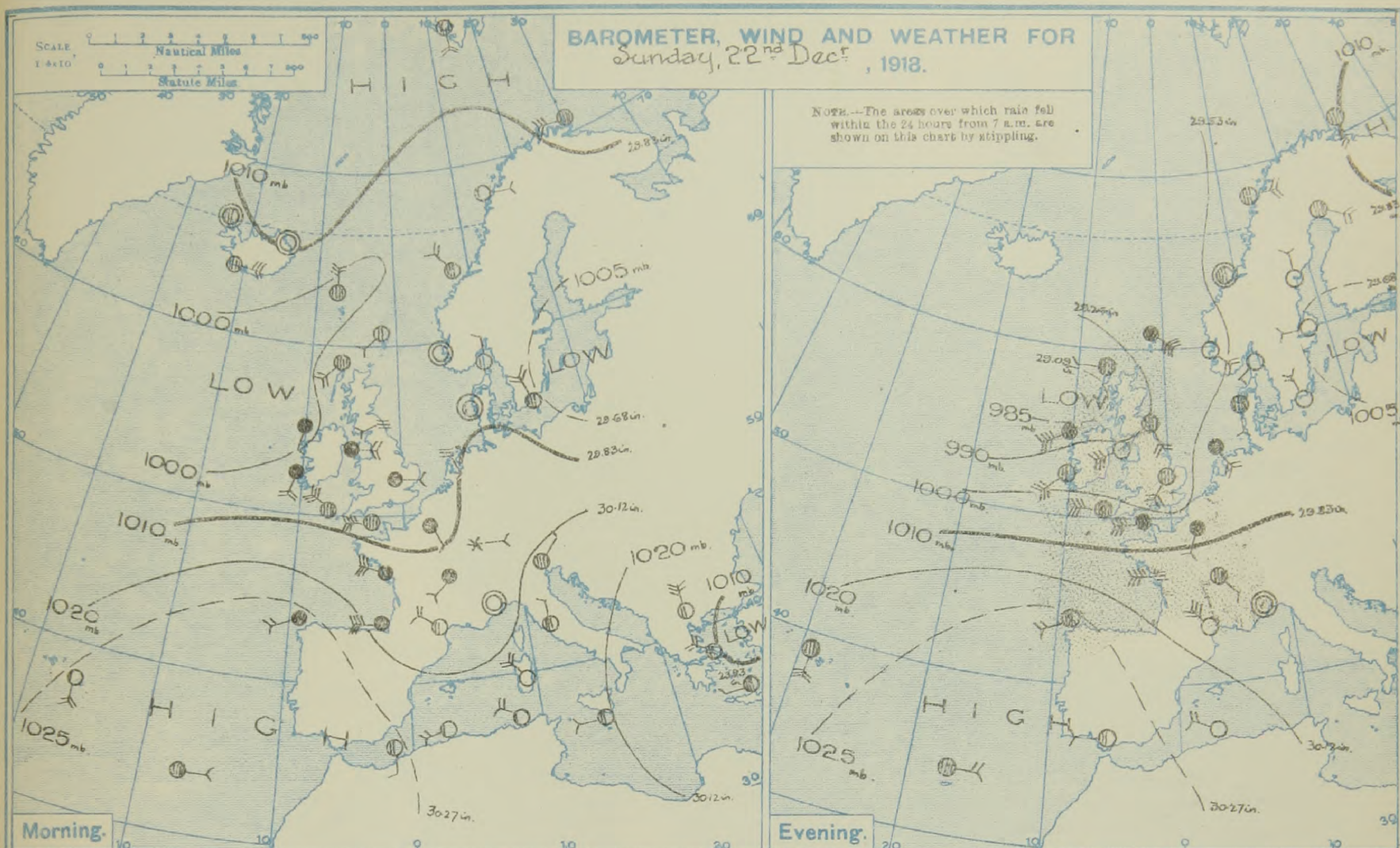
## THE BEAUFORT SCALE OF WIND FORCE.

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



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20850. Monday, 23<sup>rd</sup> December, 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF December 22<sup>nd</sup>

STATIONS.		EVENING OF 21 <sup>st</sup>					MORNING OF 22 <sup>nd</sup>										MORNING OF 22 <sup>nd</sup>						
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.			
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Max.	Min.			Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.
RUSSIA.	Orlov ...	x	F.	x	x	x	1025.2	+	F.	12	-	S	6	b	?	F.	F.						
	Kem ...	x	x	x	x	x	1020.4	x		10	-	ESE	3	o	?	x	x						
	Archangel	x	x	x	x	x										x	x						
	Mesen...	x	x	x	x	x	1033.1	+		3	-	SSE	4	b	?	x	x						
SWEDEN.	Haparanda							x							x	x	x						
	Hernösand							x							x	x	x						
	Stockholm							x							x	x	x						
	Wisby ...							x							x	x	x						
	Sordovalä							x							x	x	x						
	Hangö							x							x	x	x						
ITALY.	Venice ...	1021.2	39	-	0	b	1020.2	x	36	?	ENE	1	o	-	48	36							
	Turin ...	1022.2	41	-	0	b	1020.6	x	37	?	-	0	o	-	52	34							
	Pesaro ...	1021.9	36	W	1	b	1021.0	x	34	-3	SW	1	c	-	46	30							
	Leghorn							x															
	Rome ...	1021.6	43	N	1	b	1022.6	x	34	-7	N	1	c	-	52	34							
	Viesti ...	1019.0	48	NW	4	bc	1022.5	x	43	-7	W	2	b	-	50	39							
	Brindisi ...							x															
	Cagliari	1021.9	50	NW	6	b	1024.1	x	45	-1	NW	4	b	-	59	46							
	Palermo							x															
	Tripoli							x															

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

23 <sup>rd</sup> & 24 <sup>th</sup> Dec 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	8.5	11.52	3.39
Greenwich	...	8.6	11.53	3.40
Wick	...	8.7	12.0	3.53
Valencia	...	9.4	12.11	3.18
		9.5	12.12	3.19
		9.50	12.40	4.30
		9.51	12.41	4.31

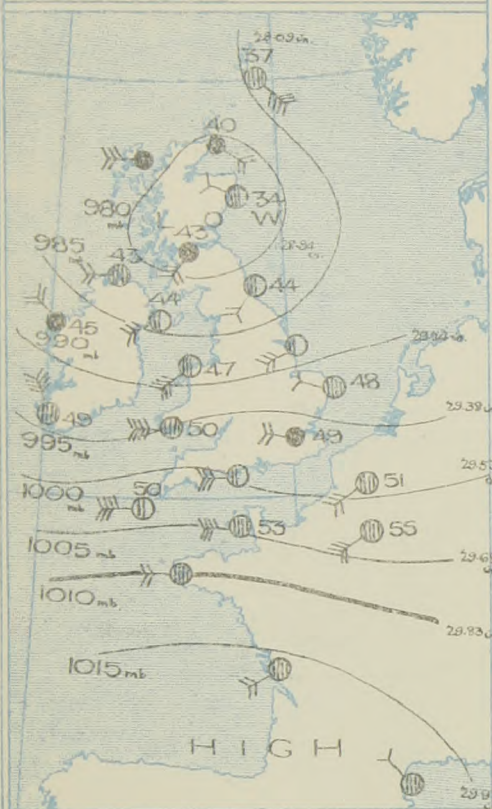
LONDON	Humidity.		Sun-shine for 24 h.	TEMPERATURE.				WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass	Rain-fall.	Morning.	Afternoon.	Night.
23 <sup>rd</sup> Dec 1918. 9h. G.M.T.	98	80	0.0	54	40	39	4	ot	ot	ot
GREENWICH (Royal Observatory)	x	x	0.0	x	x	x	x	x	x	x
CITY (Banhill Row)	46	83	0.0	54	41	38	4	x	x	x
WESTMINSTER (St. James's Park)	92	81	0.0	54	43	x	4	omr	omp	cb, c, org
(Roof near Charing Cross)	-	81	0.0	54	41	36	4	-	-	-
CAMDEN SQ. (British Rainfall)	-	81	x	55	45	38	5	ot	ot	x
KENSINGTON PALACE	x	x	0.0	x	x	x	x	x	x	x
RICHMOND PARK	x	x	0.0	x	x	x	x	x	x	x

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 22 <sup>nd</sup> .		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
38	1.4	4



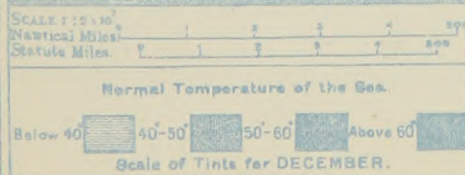
23<sup>RD</sup> DEC, at 1h. G.M.T.

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

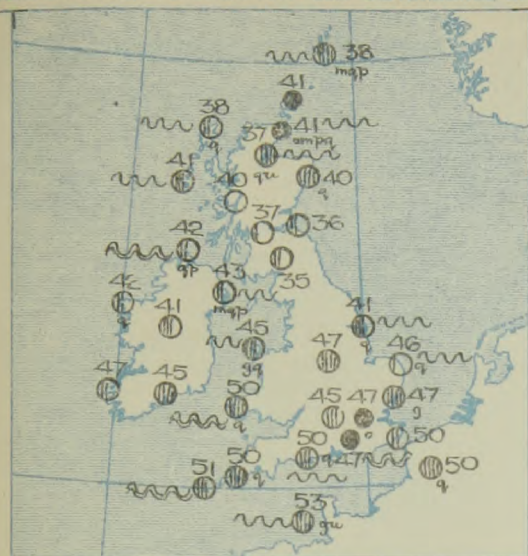


**EXPLANATION.**

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







## NOTES.

BANTRY.

WSW 9 at 19 h.

VALENCIA

WSW 8 at 3 h.

WHIDDY ISExtreme WSW 10 at 1 h. (23)  
Gale 1-5 h.ST. ANNS HEAD.Extreme SW 10 at 6 h. (23)  
W. 8. 20 h. (22) - 7 h. (23)SCILLY.Extreme W 9 at 6 h. (23)  
W. 8. 3-7 h.FALMOUTH

Gale night.

DUNGENESS.

WSW 8 at 2 h. (23)

PORTLAND BILL.

WSW. 8. 6-7 h. (23)

ABERDEEN.

Gusts 18 m/s

NAIRN.

WNW 8. 3-7 h. (23)

LOUGH FOYLEExtreme N. 10 at 6 h. (23)  
N. 8. 18 h. (22) - 7 h. (23)SOUTHPORTGale from SW-WSW  
1-5 h. Gusts 58 mph.

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

The day was almost entirely sunless, and rain fell very generally. Most stations measured from 5 to 10 mm. though this amount was considerably exceeded locally in Scotland (Glasgow 29 mm.). Some snow or sleet fell in Scotland and Northern England. Temperature rose to between 50° and 55° at most of the southern stations but failed to reach 40° in some northern localities.

## The Conditions at 7h. Today

A deep depression which was off north-west Ireland yesterday morning is now centred near Peterhead. This disturbance is associated with a strong wind circulation over the British Isles, the North Sea and adjacent parts of North-West Europe. Gales from W. are blowing in the Channel and from NW. to N. in the Irish Sea and North Ireland. Rain is falling in SE. England and NE. Scotland and snow on the western Danish coast.

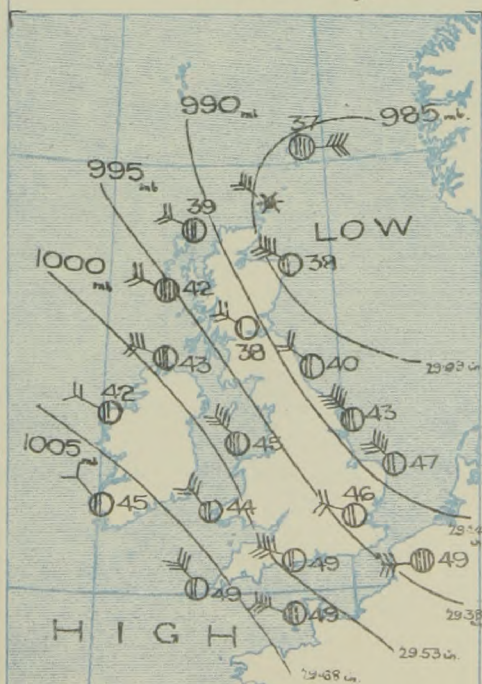
## The Outlook

The depression will probably move eastward or north-eastward leaving a North-Westerly to Northerly distribution over these Islands. Fresh to strong NW. to N. winds and rather cold changeable weather, with perhaps some snow, may therefore be anticipated. These conditions are not, however, likely to prove at all permanent, an early return to mild unsettled conditions being probable.

H.H.

Monday, 23<sup>rd</sup>

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



The distribution is now generally North-Westerly, while the wind has dropped to a light breeze on the west coast of Ireland. The barometer is rising briskly.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 357.

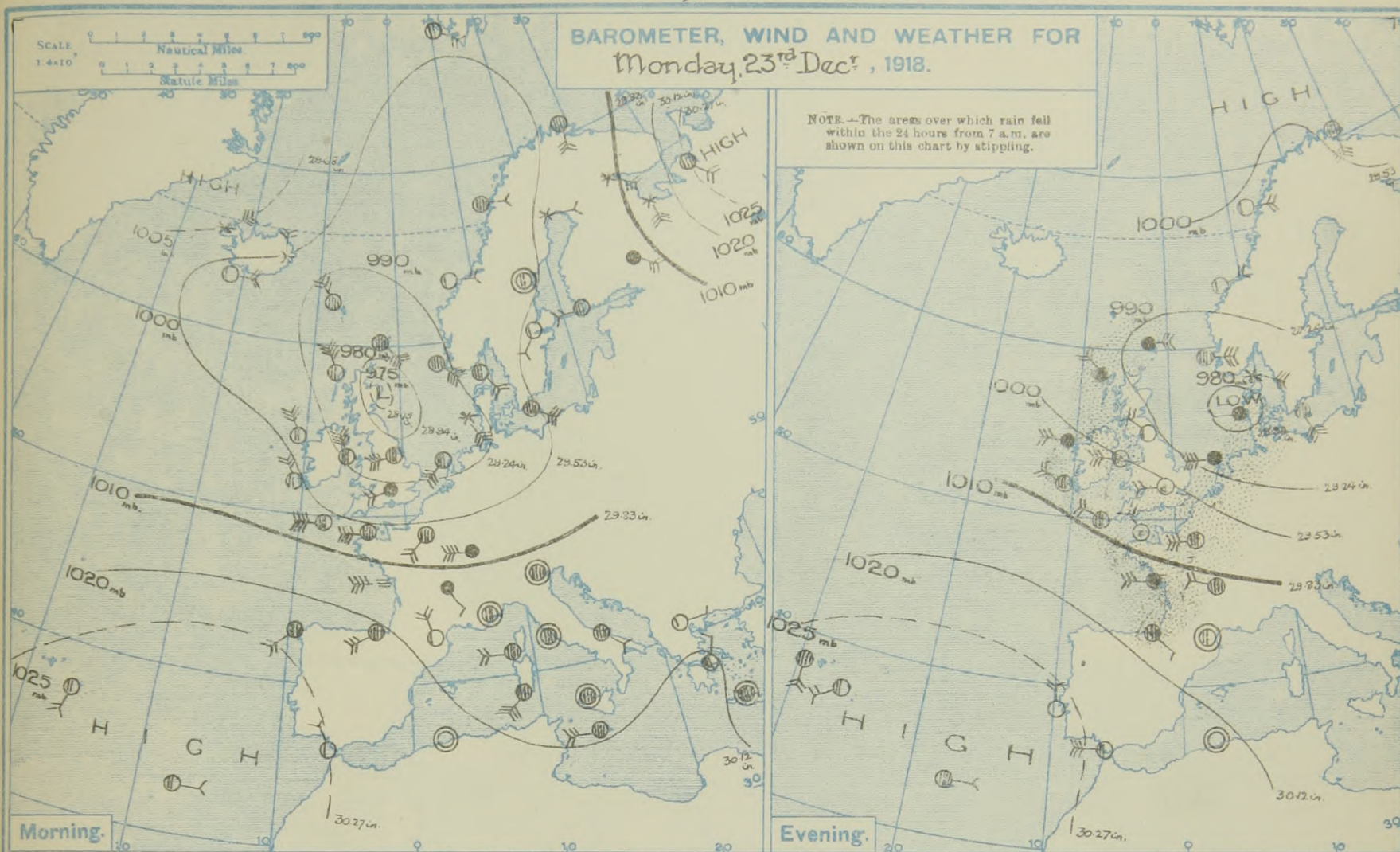
MONDAY  
22nd DECEMBER

STATIONS.	EVENING OF 22nd.					MORNING OF 23rd.										24 HOURS ENDED 7 h 23rd.					Sun- shine for 22nd Hours.		
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Change in 24 hours.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-3.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Dir.	Force 0-12						Dir.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	993.6	38	SE	7	omr	981.9	-3	38	0	SE	7	-	omr	5	9	40	35	cm	omr	om	0.0	
	Deerness (Orkney)	989.8	40	SE?	7	omr	978.6	*	41	+4	NNE	4	-	r	3	11	41	37	bc, c, o	omr	or	0.0	
	Stornoway	987.0	36	W	1	o	987.7	+6	38	0	NW	7	-	bcq	6	1	39	34	or	o	c, bcq	0.4	
	Castlebay (Barra Isd.)	982.9	36	NE	5	r	991.6	+7	41	-	NW	5	NW	c	5	5	42	33	or	r	ro, b, c	0.0	
	Glasgow	986.3	33	NE	2	r	984.4	+6	37	+8	W	3	-	b	*	24	42	29	bc, omr	omr	omr, bc	0.0	
	Eskdalemuir	988.0	35	-	0	omr	982.8	+6	35	+7	WNW	5	-	bc	*	20	42	27	om, omr	or, omr	od, bc	0.0	
	Malin Head	983.1	47	SW	5	omr	990.0	+10	42	+3	N	7	N	bcq	7	9	48	37	or	or	bcq	0.0	
	Blacksod Point	988.5	46	WSW	7	omr	997.2	+10	42	-2	NNW	6	NW	bcq	6	11	50	40	or	or	bcq	0.0	
	Valencia (Cahirciveen)	993.8	51	SW	6	bc	1000.4	+10	47	-5	NW	5	-	bc	0	7	54	45	or, bc	bcq	c, bcq	0.8	
	Roche's Point	994.4	49	WSW	4	b	997.3	+2	45	-4	NW	5	-	o	4	1	55	45	or, bc	or, bc	b, o	*	
	Birr Castle	993.6	48	W	3	c	994.9	*	41	-7	W	2	-	c	*	12	53	40	or	c	or, bc	0.4	
	Donaghadee	986.4	47	W	5	bcq, mp	987.2	+6	43	+2	NW	6	NW	bcq, mp	5	5	48	41	or	or	bcq, mp	*	
	Liverpool (Bidston)	991.4	40	WSW	6	bc	991.4	0	40	0	WSW	6	-	bc	6	11	52	41	or	or	bc, bc	0.1	
	Holyhead	992.9	50	WSW	6	bcq	989.1	+5	45	+3	NNW	8	-	bcq	6	11	52	41	or	or	bcq, bc	0.1	
	Pembroke (St. Ann's)	998.0	51	W	7	bcq	991.5	-4	50	0	W	8	-	bcq	7	2	53	49	or	or	bcq, bc	0.0	
	Hartland Quay	998.0	51	W	7	bcq	991.5	-4	50	0	W	8	-	bcq	7	2	53	49	or	or	bcq, bc	0.0	
	Scilly (St. Mary's)	1005.0	52	W	7	o	1001.1	-3	51	0	W	8	-	c	8	6	53	49	omr	omr	bc, c	0.0	
	Falmouth	1003.3	54	WSW	7	or	999.0	-2	50	0	WSW	8	-	or	8	9	54	49	od, or	or, or	bc, bcq	0.0	
	Jersey (St. Aubin)	1006.3	54	W	7	q, mtr	1001.9	-3	53	+2	W	8	-	or	5	13	55	51	odm	omr	omd, or	0.0	
	Portland Bill	1000.8	50	WSW	5	or	994.8	-5	50	0	WSW	8	-	or	6	2	51	48	c, o	or	or, bc	*	
	Dungeness	998.4	51	SW	5	r	993.0	-6	50	+8	WSW	8	WNW	c	7	3	51	41	c	c, or	or, or	*	
NORTHERN EUROPE.	Wick	984.0	39	SSE	5	omr	978.5	+5	41	+5	NNW	5	-	omr	5	11	43	35	bc, or	c, omr	omr, bc	*	
	Nairn	986.3	34	E	1	o	981.6	*	37	+7	WNW	8	-	or	5	3	39	28	bc, or	or, or	or, or	0.0	
	Aberdeen	988.4	40	SE	6	or	976.2	0	40	+8	W	6	-	or	3	11	41	30	om, or	or	or, or	0.0	
	Leith	985.6	37	ESE	1	r	980.5	+2	36	+4	NW	3	NW	bc	3	13	45	31	om, bc	omr	or, bc	*	
	Tynemouth	984.9	38	SSE	4	om	982.3	-3	41	+3	WSW	7	-	or	5	8	41	37	omr	omr	bc, bc	0.0	
	Spurn Head	984.9	38	-	0	om	982.3	-3	41	+3	WSW	7	-	or	5	8	41	37	omr	omr	bc, bc	0.0	
	Yarmouth (Gorleston)	999.0	42	SSE	7	or	984.4	-8	46	+7	W	7	-	bcq	5	10	49	38	cm	cm, or	or, bcq	0.0	
	Clacton-on-Sea	996.9	45	SSE	4	or	990.8	-5	47	+4	W	5	W	or	4	6	51	42	c, or	or	c, or	0.0	
	Nottingham	992.7	45	S	1	or	985.2	*	47	+13	W	5	W	c	*	8	50	33	or	or	or, bc	0.0	
	Benson (Oxon.)	997.1	52	SSW	4	r	990.7	-5	45	+5	W	6	-	c	*	3	53	40	or	r	or	*	
	St. Farnborough	992.8	52	SSW	4	r	992.8	-5	47	+7	WSW	6	-	or	*	4	53	39	or	or	or	0.0	
	Salisbury Plain	998.5	52	WSW	7	or	993.8	-6	44	+4	W	8	-	or	*	3	53	39	or	or	or	0.0	
	London (Kew Obsy.)	998.6	50	SW	4	om	992.3	-4	47	+6	WSW	4	-	or	*	3	54	40	omd, omr	omr, omr	om, or	0.0	
	FRANCE, &c.	Spitsbergen	1010.0	23	S	4	o	1004.3	-3	19	-8	S	5	-	o	3	*	27	21				
		Vardö	1003.1	19	S	7	bc	996.7	*	21	-4	S	6	-	o	3	1	25	16				
		Gjesvær	1001.6	23	E	4	c	999.0	0	21	+2	E	2	-	o	2	-	23	18				
Bodö		1001.9	37	-	0	c	994.4	-2	28	-6	E	3	-	b	3	4	37	27					
Christiansund		1001.9	34	SE	4	b	987.1	-13	37	+12	SE	8	-	o	5	-	34	25					
Skudesnaes		1004.4	28	E	1	f	997.2	-3	27	+1	NNE	4	-	o	2	-	28	25					
Færder (X'ania Fjord)		1004.4	28	E	1	f	997.2	-3	27	+1	NNE	4	-	o	2	-	28	25					
The Scaw (Skagen)		1005.1	34	SW	1	b	994.0	-4	36	+2	SSE	4	-	c	*	-	37	30					
Blaavands Huk		1006.1	37	S	3	o	985.1	-11	34	+6	SSE	6	-	c	*	Trace	37	27					
Copenhagen		1005.7	30	W	2	b	995.1	-4	36	+4	SSE	7	-	c	*	-	36	28					
Bornholm		1008.6	30	NW	3	b	994.7	-7	32	+2	SE	6	NW	o	1	-	32	27					
The Helder		1002.7	37	SE	4	r	987.1	+4	46	+14	SW	7	-	c	4	3	48	30					
IBERIA, &c.	C. Gris Nez	1000.2	50	SW	5	r	993.6	-4	50	+11	W	8	-	c	*	5	52	39					
	La Hève	1003.9	46	WSW	8	r	1001.9	-3	48	0	WSW	6	-	o	*	7	50	45					
	Brest (St. Mathieu)	1007.9	55	W	6	o	1007.3	-2	52	0	WSW	6	-	o	*	1	55	50					
	Rochefort (Ile d'Aix)	1016.6	54	WNW	7	f	1012.7	-3	54	+2	W	7	-	f	*	6	55	52					
	Biarritz	1016.6	54	WNW	7	f	1012.7	-3	54	+2	W	7	-	f	*	6	55	52					
	Paris	1006.7	50	SSW	2	r	1003.8	-2	50	+11	SW	4	-	o	*	7	55	39					
	Belfort	1006.7	43	SE	1	o	1006.6	*	48	+16	W	7	-	r	*	3	55	36					
	Lyons	1013.5	43	-	0	b	1011.1	-1	43	+4	-	0	-	c	*	-	66	43					
	Nice	1013.5	43	-	0	b	1011.1	-1	43	+4	-	0	-	c	*	-	66	43					
	Perpignan	1017.2	63	NW	5	b	1018.3	0	57	+14	NW	4	-	b	*	-	66	43					
	Sanguinaire	1017.2	63	NW	5	b	1018.3	0	57	+14	NW	4	-	b	*	-	66	43					
	MEDITERRANEAN.	Corunna	1027.8	59	WSW	3	c	1024.4	-3	57	0	SW	4	-	o	3	2	59	55				
Madrid		1027.8	59	WSW	3	c	1024.4	-3	57	0	SW	4	-	o	3	2	59	55					
Lisbon		1027.8	59	WSW	3	c	1024.4	-3	57	0	SW	4	-	o	3	2	59	55					
Azores (Horta)		1023.8	*	SSE	5	o	1023.8	-1	62	+1	SSW	3	-	bc	2	-	66	61					
„ (P. Delgada)		1028.0	*	SSW	4	b	1023.8	-1	62	+1	SSW	3	-	bc	2	-	66	61					
Madeira		1028.0	64	E	3	o	1023.8	-1	62	+1	SSW	3	-	bc	2	-	66	61					



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20851. Tuesday, 24<sup>th</sup> December, 1918.



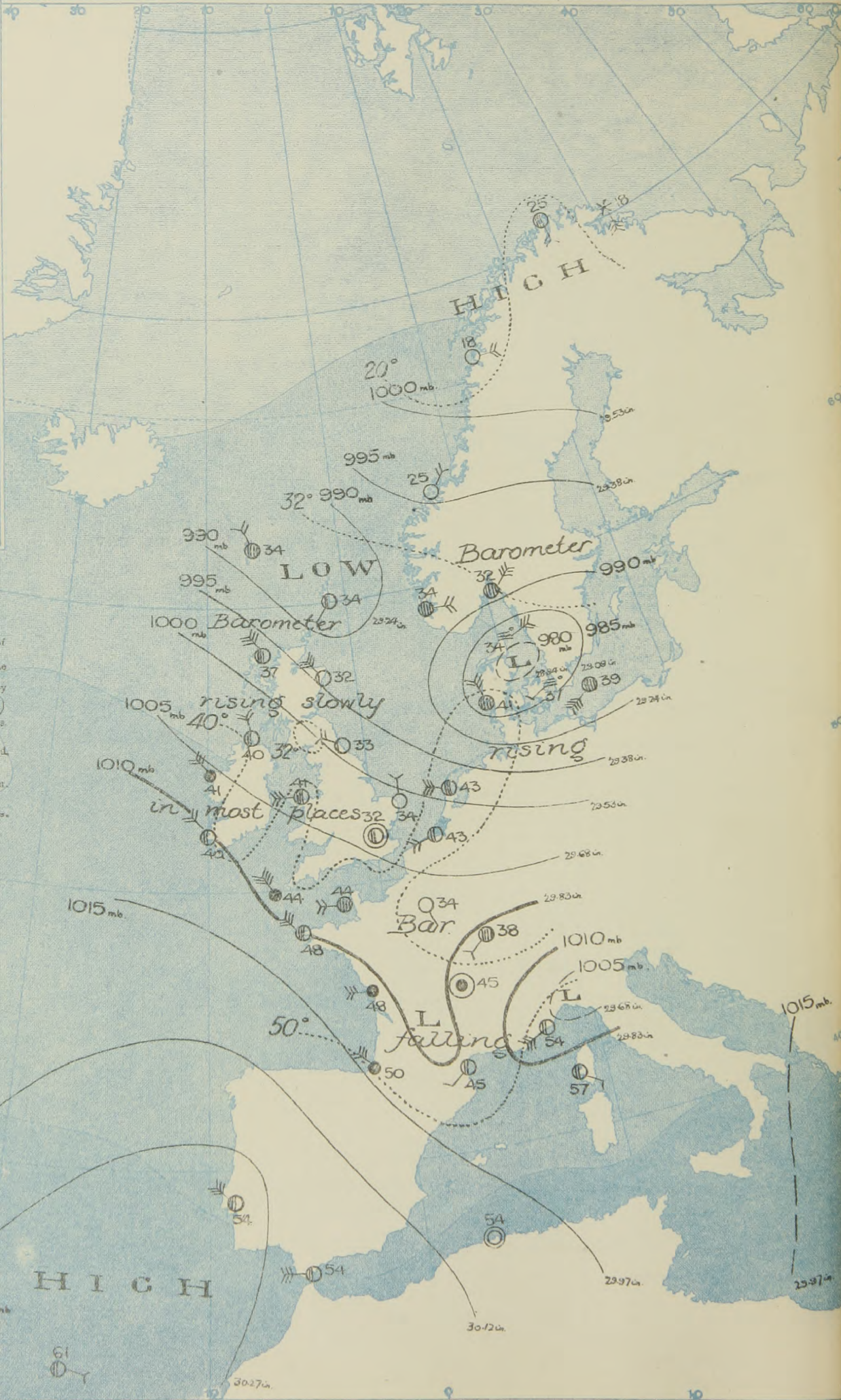
## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 23<sup>RD</sup> DECEMBER.

STATIONS.		EVENING OF 22 <sup>ND</sup>					MORNING OF 23 <sup>RD</sup>										MORNING OF 23 <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.				
				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.				
RUSSIA.	Orlov ...	x	*F.	x	x	x	1017.1	?	16	+4	SE	6	0	?	*F.	*F.	Isafjord ...	1005.0	28	+7	NE	6	S	
	Kem ...	x	x	x	x	x	1011.1	+1	12	+2	S	5	0	1	x	x		Reykjavik	1001.7	28	+5	E	1	C
	Archangel ...	x	x	x	x	x	1021.5	0	12	?	SSE	5	0	—	x	x		Vestmanna	998.9	32	-2	E	4	b
	Mesen...	x	x	x	x	x	1025.2	?	14	+11	SSE	4	0	—	x	x		Seydisfjord	1001.9	27	+13	N	4	S
SWEDEN.	Haparanda ...	1007.5	10	ESE	4	0	1002.3	x	14	?	E	2	S	x	x	x	Thorshavn	981.3	34	+2	NW	5	0	
	Hernösand ...	1001.5	18	N	2	b	999.1	x	9	?	—	0	bc	x	x	x	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
	Stockholm ...	1002.7	18	W	2	b	1003.3	x	18	?	SW	2	b	x	x	x								
	Wisby ...	1004.3	27	NW	6	C	1004.8	x	27	?	S	2	0	x	x	x	24 <sup>TH</sup> & 25 <sup>TH</sup> DEC. 1918.							
ITALY.	Sordovala ...						1007.7	x	19	?	SE	5	γ	x	x	x		G.M.T.	G.M.T.	G.M.T.				
	Hangö ...						1001.9	x	30	?	W	3	C	x	x	x	Yarmouth ...	8.6	11.53	3.40				
	Venice ...	1013.9	37	—	0	0	1012.2	x	41	+5	—	0	0	?	41	36	Greenwich ...	8.6	11.53	3.41				
	Turin ...	1015.0	36	—	0	b	1014.5	x	30	-7	—	0	b	—	43	30	Wick ...	8.7	12.0	3.53				
ITALY.	Pesaro ...							x									Valencia ...	8.7	12.0	3.53				
	Leghorn ...	1013.0	45	NE	2	0	1011.0	x	48	?	ESE	1	γ	12	57	41		G.M.T.	G.M.T.	G.M.T.				
	Rome ...	1013.7	45	E	1	0	1013.8	x	41	+7	—	0	0	11	50	41								
	Viesti ...	1016.1	46	SE	1	0	1013.8	x	48	+5	SE	2	0	—	50	39								
	Brindisi ...							x																
	Cagliari ...	1016.6	48	NW	5	0	1019.1	x	46	+1	SW	6	0	—	63	41								
	Palermo ...	1019.0	52	S	1	0	1017.4	x	55		—	0	0	2	59	43								
Tripoli ...							x																	

LONDON										SOUTH KENSINGTON (M.O.)									
24 <sup>TH</sup> DECEMBER, 9h. G.M.T.										Vertical Component of Solar Radiation per square Centimetre during 23 <sup>RD</sup> ...									
Humidity.		Sun-shine for		Temperature.			Rain-fall.	Weather.			Total.			Average Rate.			Max. Rate.		
15h.	9h.	23 <sup>RD</sup>	24 <sup>TH</sup>	Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.	Joules.	Milliwatts.	Milliwatts.	Joules.	Milliwatts.	Milliwatts.	Joules.	Milliwatts.	Milliwatts.
60	88	0.4	48	32	24	1	0	bc	0		154	5.5	19						
CITY (Bunhill Row) ..	*	0.3	*	*	*	*	*	*	*	*									
WESTMINSTER (St. James's Park) ..	65	94	0.9	49	32	27	2	*	*	*									
" (Roof near Charing Cross) ..	59	89	1.0	49	35	*	0.8	bcq. ech.	bcq.	bm x									
CAMDEN SQ. (British Rainfall) ..	61	91	0.8	48	30	23	1	c	or. c	*									
KENSINGTON PALACE ..	-	87	*	48	33	23	0.7	b	bc	*									
RICHMOND PARK ..	*	*	*	*	*	*	*	*	*	*									





THE MORNING OF TUESDAY, 24<sup>TH</sup> DECEMBER 1918, at 7h. G.M.T.






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



**WIND**—Direction is shown by arrows Sylog 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 & rain.

 overcast sky.  rain falling.

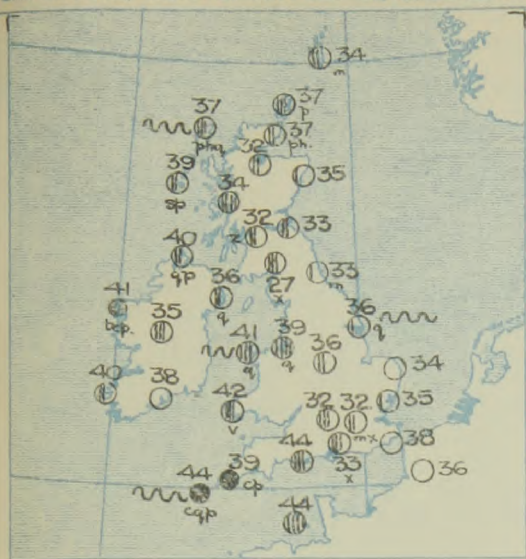
 snow.  hail.  fog.  mist. T, thunder.

 T, thunderstorm.

**SEA DISTURBANCE**—Rough  High 

Scale of Tints for DECEMBER





## NOTES.

## LOUGH FOYLE.

Extreme NW 9 at 17h.  
Gale 15-18 h. (23)

## NAIRN

Www. 8. 3-9 h. (23)

## ABERDEEN

Aurora during night.

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

Snow and hail again fell in parts of Scotland, and rain or passing showers occurred in most other localities. From 3 to 5 hours of sunshine were registered in Ireland, Southern Scotland and Western England, and smaller amounts in most other districts. The North-Westerly winds maintained rather low air temperature.

## The Conditions at 7h. Today

The deep depression which was over the Northern North Sea yesterday morning now lies over Denmark, where it appears to be filling up. A secondary has developed over France. Pressure remains high over the region between the Azores and the Iberian coast. Over the British Isles winds are between W. and NW., mainly moderate in force, but strong locally in the west and north. Hail and snow showers are reported in north and west Scotland, and weather is also showery in the western Channel, but elsewhere fair or fine conditions prevail.

## The Outlook

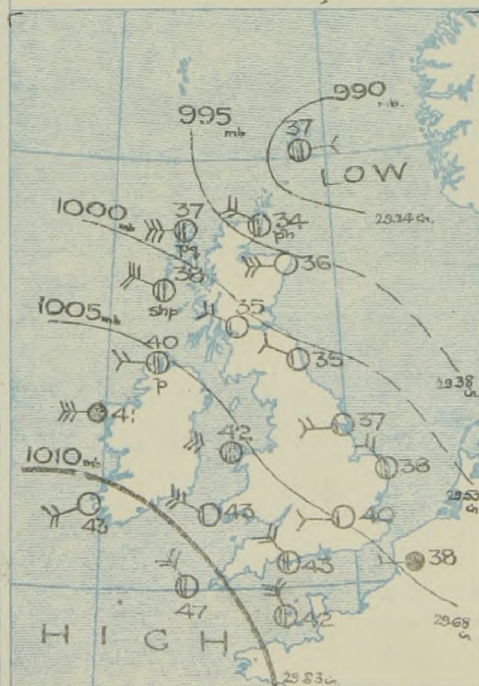
Over the greater part of the British Isles the distribution of pressure for North-Westerly winds seems likely to be maintained, though the secondary over France will probably cause winds to become light and variable over SE. England, with perhaps snow showers. In other districts mainly fair weather, with local cold showers, may be anticipated.

*H.H.*



Tuesday, 24<sup>th</sup>

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



Little change in the general situation has occurred since this morning.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 358

TUESDAY  
24<sup>TH</sup> DECEMBER.

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.		WIND.	Direc. of Upper Cloud.	Weather.	Sea 6-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.						
			Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.						Max.	Min.	Morning	Afternoon	Night.				
BRITISH ISLANDS.	Lerwick ...	987.1	35	E	6	omg.p	988.6	0	34	-4	SW	2	-	bcm	2	6	39	33	omg.p	omg.p	omg.p	*	
	Deerness (Orkney) ...	988.4	37	W	5	c	990.5	*	37	-4	W	5	-	cp	5	8	42	33	ror.s	ror.s	op.th	0.0	
	Stornoway ...	992.9	38	NW	4	cph	997.3	+2	37	-1	NW	6	-	cphg	5	2	40	35	c.ph	cph	cphg	1.2	
	Castlebay (Barra Isd.) ...	995.8	38	NW	4	bc.s.p	1001.2	+2	39	-2	NNW	4	NW	bc.s.p	4	3	42	35	ch.po	os.p.bc	bc.s.b	0.3	
	Glasgow ...	995.6	35	W	3	or.s.p	1001.0	+1	32	-5	WSW	2	W	bc.z	*	1	39	30	b.ox	c.or.s.p	c.b.z	3.8	
	Eskdalemuir ...	995.8	35	W	4	or.s	1001.0	+1	27	-8	-	0	-	cx	*	1	37	26	bc.s.p	b.w.c.o	bc.c.p	5.4	
	Malin Head ...	997.4	42	NW	6	c.p	1001.6	+2	40	-2	NNW	4	N	bc.g.p	4	3	45	38	bc.g	bc.g	cp.g	1.2	
	Blackod Point ...	1004.3	39	W	5	cmg.p	1005.7	0	41	-1	NW	5	-	bc.p	5	3	44	34	bc.v	cmg.p	bc.p	*	
	Valencia (Cabraveira) ...	1008.5	44	WNW	4	c	1010.4	+2	40	-7	WNW	4	-	bc	*	6	48	40	bc.p	bc.p	bc.p	3.6	
	Roche's Point ...	1007.1	43	WNW	3	b	1009.5	+1	38	-7	W	3	-	b	3	1	46	37	a.b.bc	bc.b	bc.s.o	*	
NORTH EUROPE.	Birr Castle ...	1004.3	41	W	1	c	1005.6	*	35	-6	W	1	-	c	*	0.2	43	33	c	cp	cp	4.1	
	Donaghadee ...	998.7	40	W	6	cmg.p	1002.2	+1	36	-7	WNW	4	W	bc.g	3	0.2	44	34	bc.g.p	bc.g	bc.g	*	
	Liverpool (Bidston) ...	999.3	42	W	7	bc	1001.4	0	39	-5	W	4	W	og	4	2	44	36	bc.g	cp.g	c.ogp	3.9	
	Holyhead ...	1001.6	43	W	6	b	1003.0	0	41	-4	W	6	W	cg	5	-	45	40	c.bc.c	c.bc.c	cg	3.5	
	Pembroke (St. Ann's) ...	1006.3	44	NW	3	b.v	1005.8	0	42	-8	NW	4	-	cv	4	1	50	42	cg	bc.g	bc.cph	4.6	
	Hartland Quay ...	1007.4	46	WNW	4	o													cg	og	c.b.bc	*	
	Seilly (St. Mary's) ...	1008.4	46	WNW	4	c	1009.0	0	44	-7	NW	7	NW	cg.p	6	1	53	44	cp.bc	bc	c.c.p	2.8	
	Falmouth ...	1007.8	43	WNW	3	bc	1007.7	-1	39	-11	NW	4	-	cp	*	3	50	37	og.bc.g	b.bc	b.bc	3.0	
	Jersey (St. Aubin) ...	1007.6	48	NW	3	b	1006.7	-1	44	-9	W	4	-	op	4	3	54	39	g.m.g	g.bc.b	b.phr	0.8	
	Portland Bill ...	1005.1	45	WNW	4	b	1004.9	-2	44	-6	WNW	4	W	r.c	4	10	53	43	g.r.bc	bc	cp	*	
FRANCE, &c.	Dungeness ...	1000.7	39	W	4	b	1004.7	-1	38	?	WNW	2	-	b	2	3	50	34	cp.gc	cg.c.b	b.b	*	
	Wick ...	989.1	37	NW	4	bc	992.5	0	37	-4	NW	4	-	bc.ph	4	8	41	33	omrg	og.bc	bc.cph	*	
	Nairn ...	991.7	35	NW	2	bc	996.9	*	32	-5	NW	1	-	bc	1	1	38	31	g.o.c	c.bc	bc.s.p	0.3	
	Aberdeen ...	989.9	37	WNW	5	b	995.4	+1	35	-5	W	4	-	b	3	2	40	34	or.s.p	bc.g	bc	0.5	
	Leith ...	993.4	37	W	3	b	998.9	+1	33	-3	W	1	W	bc	2	-	41	33	bc.c.b	b	b.b.bc	*	
	Tynemouth ...	990.1	37	NW	3	bm	998.9	+2	33	?	WNW	3	-	bm	3	-	41	32	bc.g	b.m.g	b.m.b	1.0	
	Spurn Head ...	995.0	40	NW	5	bc	1000.8	+1	36	-5	W	4	-	bg	5	1	45	35	cg	bc.g	bg	1.0	
	Yarmouth (Gorleston) ...	996.1	38	N	6	b	1001.6	+1	34	-12	N	2	-	b	2	-	47	34	bc.g	bc.g	b	1.8	
	Clacton-on-Sea ...	999.1	40	WNW	4	b	1004.0	+1	35	-12	WNW	3	-	b	3	1	47	34	og.cgr	c.bc.b	b	1.3	
	Nottingham ...	999.5	42	WNW	3	b	1002.5	*	36	-11	W	2	W	bc	*	-	47	35	bc	b	b.bc	2.4	
NORTH ATLANTIC.	Benson (Oxon.) ...	1003.2	39	NW	2	b	1004.2	0	32	-13	-	0	-	c	*	0.4	47	30	r.o.c	b	b.s.c	*	
	St. Farnborough ...						1004.8	-1	33	-14	W	1	-	cx	*	1	47	31			b.c.c	2.7	
	Salisbury Plain ...	1004.1	37	W	4	b	1005.8	-1	33	-11	W	2	-	cx	*	0.4	46	28	a.gd.cq	c.bc.b	b.p.c	*	
	London (Kew Obs.) ...	1002.5	41	WSW	3	b	1004.7	0	32	-15	-	0	-	bc.m	*	2	47	32	og.bc.og	bc.g	b.bc	0.8	
	Spitsbergen ...																						
	Vardö ...	1003.7	21	S	6	o	1004.8	0	18	-1	S	6	-	s	4	*	21	16					
	Gjesvær ...	997.9	28	S	6	c	1000.3	?	25	+4	S	3	-	c	?	1	28	19					
	Bodö ...	1000.0	19	E	4	b	1003.1	+1	18	-3	E	4	-	b	2	-	21	14					
	Christiansund ...	993.2	27	NE	3	b	995.4	+1	25	-3	NE	3	-	b	2	-	28	23					
	Skudesnaes ...	985.3	36	E	6	o	991.8	+2	34	-3	E	4	-	o	4	-	37	30					
NORTH ATLANTIC.	Færder (Xianla Fjord) ...	990.9	32	E	7	o	991.3	+1	32	+5	ENE	6	-	o	3	-	32	27					
	The Scaw (Skagen) ...	985.2	34	ESE	6	s	980.3	+2	34	-2	ENE	5	-	m	5	1	36	32					
	Blaavands Huk ...	978.1	43	W	2	r	984.2	+5	41	+7	NNW	4	-	o	*	4	43	34					
	Copenhagen ...	982.0	34	SE	6	s	983.0	+2	37	+1	WSW	1	-	m	*	10	41	34					
	Bornholm ...	985.5	30	SSE	7	s	986.4	+4	37	+7	WSW	8	-	o	2	4	37	28					
	The Helder ...	989.9	43	W	8	r	998.9	+4	43	-3	W	6	-	c	5	5	48	41					
	C. Gris Nez ...	1001.3	43	NW	3	b	1004.3	-3	45	-5	NW	5	*	b	*	TRACE	59	45					
	La Hève ...	1008.3	43	WNW	5	b	1007.8	-4	41	-7	S	4	*	b	*	6	50	39					
	Brest (St. Mathieu) ...	1010.1	50	NW	4	bc	1010.1	+1	48	-4	NW	6	*	c	*	2	55	43					
	Rochefort (De d'Aix) ...	1012.4	46	W	5	r	1010.3	-1	48	-6	W	5	*	r	*	7	55	48					
NORTH ATLANTIC.	Biarritz ...	1017.7	57	SE	1	o	1014.1	+3	50	-7	WNW	5	*	r	*	2	59	50					
	Paris ...	1003.3	48	W	6	c	1008.7	-1	34	-16	S	1	*	b	*	TRACE	54	34					
	Belfort ...						1011.0	*	36	-12	WSW	2	*	o	*	8	50	36					
	Lyons ...	1012.0	48	WNW	3	o	1011.3	-2	45	-5	-	0	*	r	*	5	57	45					
	Nice ...						1005.7	+1	54	+11	WSW	6	*	bc	*	-	54	43					
	Perpignan ...	1015.3	57	-	0	bc	1010.6	-5	45	-12	WSW	1	*	bc	*	-	64	47					
	Sanguinaire ...						1013.6	-6	57	0	SE	1	*	bc	*	-	64	55					
	Corunna ...																						
	Madrid ...																						
	IBERIA, &c.	Lisbon ...	1029.2	55	N	3	b	1028.2	-1	52	?	N	3	-	b	5	-	61	52				
Azores (Horta) ...		1026.9	*	SSE	4	o	1016.4	+0	61	?	-	0	*	b	2	-	61	59					
„ (P. Delgada) ...		1027.8	*	SW	3	bc																	
Madeira ...		1026.7	64	E	2	o	1027.3	?	61	+2	E	2	-	bc	2	?	66	59					
Gibraltar ...		1023.3	54	W	6	bc	1021.7	*	54	+2	NW	6	*	bc	5	-	66	51					
Algiers ...		1020.3	59	-	0	b	1018.4	+1	54	-1	-	0	-	b	-	-	68	52					
Malta ...		*	*	*	*	*																	

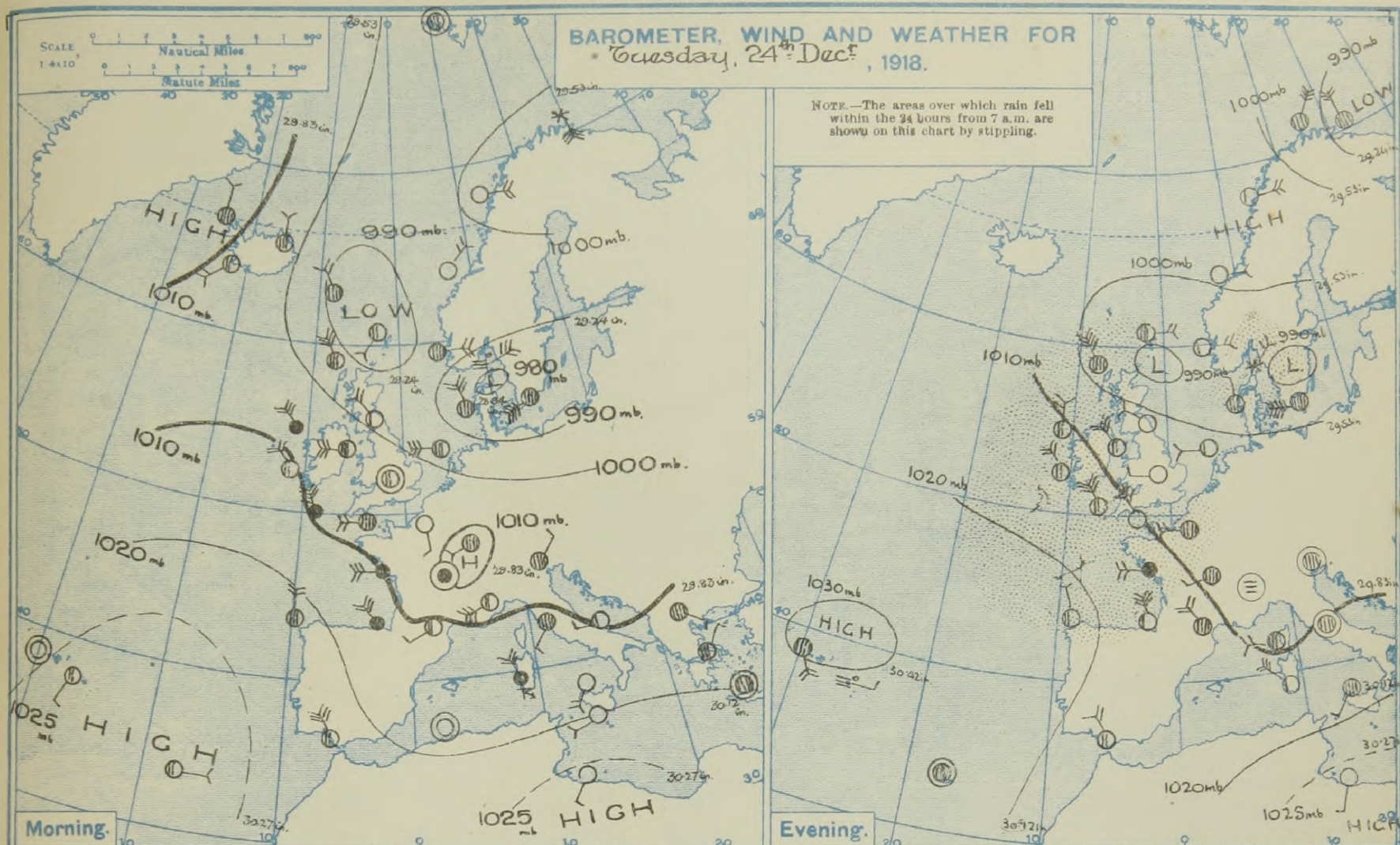
## THE BEAUFORT SCALE OF WIND FORCE.

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



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20852. Wednesday, 25<sup>th</sup> Dec<sup>r</sup> 1918.



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF Tuesday, 24<sup>th</sup> December, 1918.

STATIONS.		EVENING OF 23 <sup>rd</sup> .....					MORNING OF 24 <sup>th</sup> .....										MORNING OF 24 <sup>th</sup> .....								
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.			
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.		
			° F.						° F.	° F.					° F.	° F.			° F.	° F.					
RUSSIA.	Orlov ...	x	x	x	x	x									x	x	Isafjord ...	10130	19	-9	NNE	2	0		
	Kem ...	x	x	x	x	x									x	x	Reykjavik ...	10139	19	-9	-	0	bc		
	Archangel ...	x	x	x	x	x									x	x	Vestmanna ...	10096	23	-9	SW	3	6		
	Mesen ...	x	x	x	x	x									x	x	Seydisfjord ...	10086	23	-4	N	2	c		
SWEDEN.	Haparanda ...							x						x	x	x	Thorshavn ...	9887	34	0	NW	3	0		
	Hernösand ...							x						x	x	x	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM								
	Stockholm ...							x						x	x	x									
	Wisby ...							x						x	x	x									
	Sordoval ...							x						x	x	x									
	Hangö ...							x						x	x	x									
ITALY.	Venice ...	10139	37	-	0	0	10082	x	39	-2	NE	1	0	-	46	37	25 <sup>th</sup> & 26 <sup>th</sup> Dec. 1918.						Sunrise.	Noon.	Sunset.
	Turin ...	10150	36	-	0	6	10085	x	37	+7	-	0	f	-	41	30							G.M.T.	G.M.T.	G.M.T.
	Pesaro ...							x									Yarmouth ...	8.6	11.53	3.41					
	Leghorn ...	10130	45	NE	2	0	10087	x	59	+11	W	7	0	3	59	46	Greenwich ...	8.6	11.54	3.42					
	Rome ...	10137	45	E	1	0	10130	x	55	+14	SW	1	0	-	55	52	Greenwich ...	8.7	12.0	3.53					
	Viesti ...	10161	46	SE	1	0	10098	x	54	+6	W	1	6	-	59	43	Greenwich ...	8.7	12.1	3.54					
	Brindisi ...							x									Wick ...	9.5	12.12	3.19					
	Cagliari ...							x									Wick ...	9.5	12.13	3.20					
	Palermo ...	10166	48	NW	5	0	10165	x	50	+4	NNW	3	12	-	63	48	Valencia ...	8.51	12.41	4.32					
	Tripoli ...	10190	52	S	1	0	10178	x	57	+2	SSW	3	0	-	68	55	Valencia ...	8.51	12.42	4.33					
							10265	x	48		SSW	1	6	-	?	46									

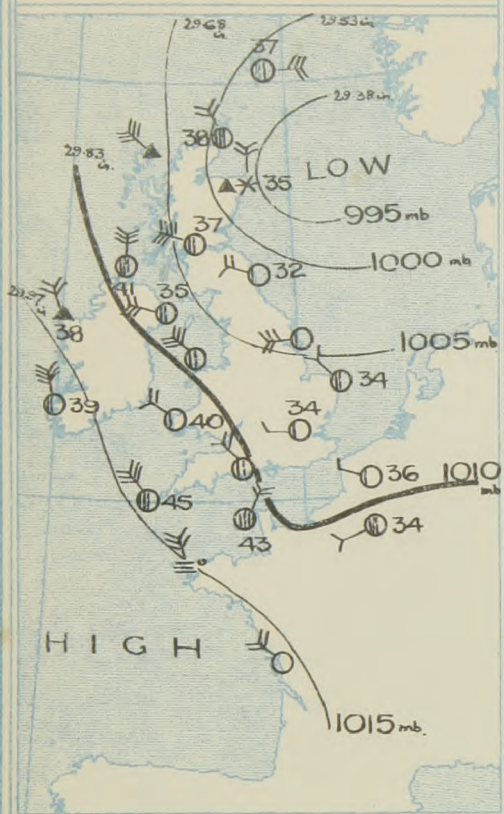
LONDON		HUMIDITY.		Sunshine for 24 h.	TEMPERATURE.			Rain-fall.	WEATHER.			SOUTH KENSINGTON (M.O.)		
25 <sup>th</sup> Dec <sup>r</sup> 0 h. G.M.T.	9 h.	15 h.	24 h.		Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.	Vertical Component of Solar Radiation per square Centimetre during 24 h.		
GREENWICH (Royal Observatory)	%	%	Hours.		° F.	° F.	° F.	mm.				Total.	Average Rate.	Max. Rate.
CITY (Bunhill Row)	x	x	0.4		x	x	x	x	x	x	x	Joules.	Milliwatts.	Milliwatts.
WESTMINSTER (St. James's Park)			0.4									206	7.4	14
" (Roof near Charing Cross)														
CAMDEN SQ. (British Rainfall)														
KENSINGTON PALACE														

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






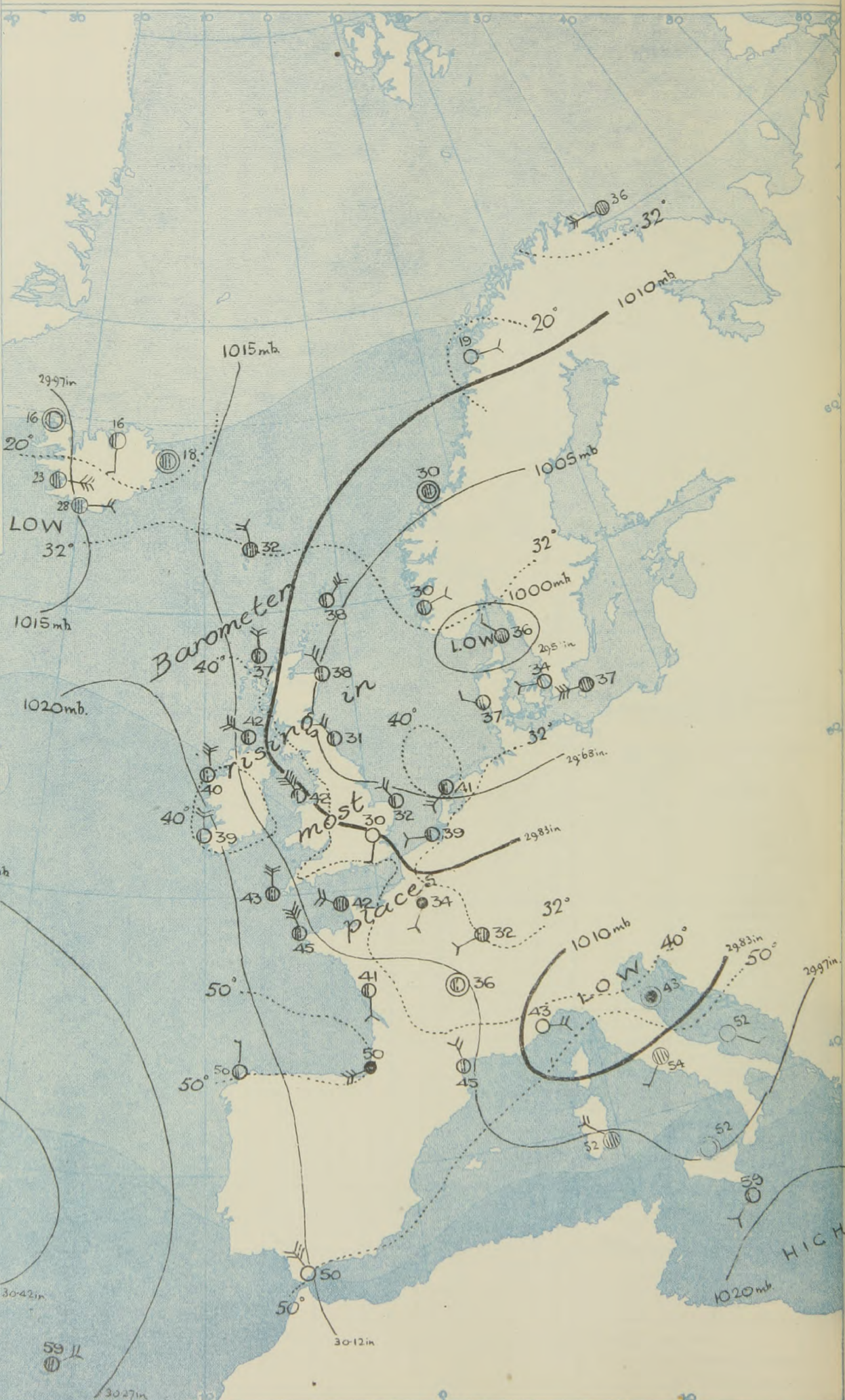
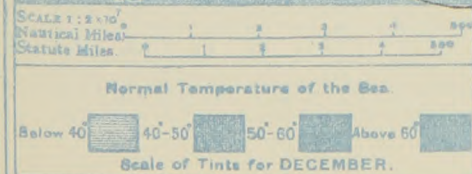
25<sup>TH</sup>, DEC, at 1h. G.M.T.

THE MORNING OF WEDNESDAY, 25<sup>TH</sup> DECEMBER 1918, at 7h. G.M.T.

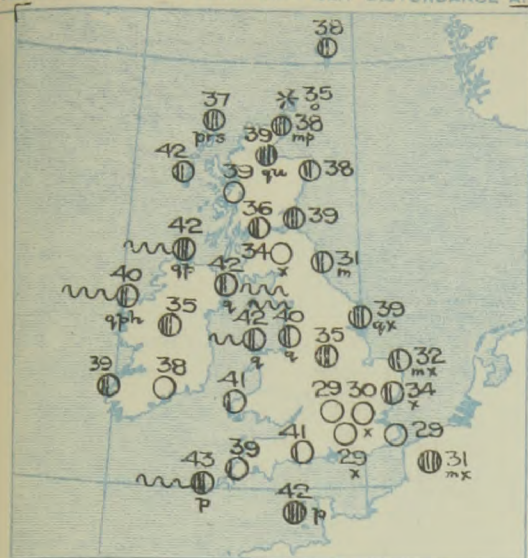


#### EXPLANATION.

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







## NOTES.

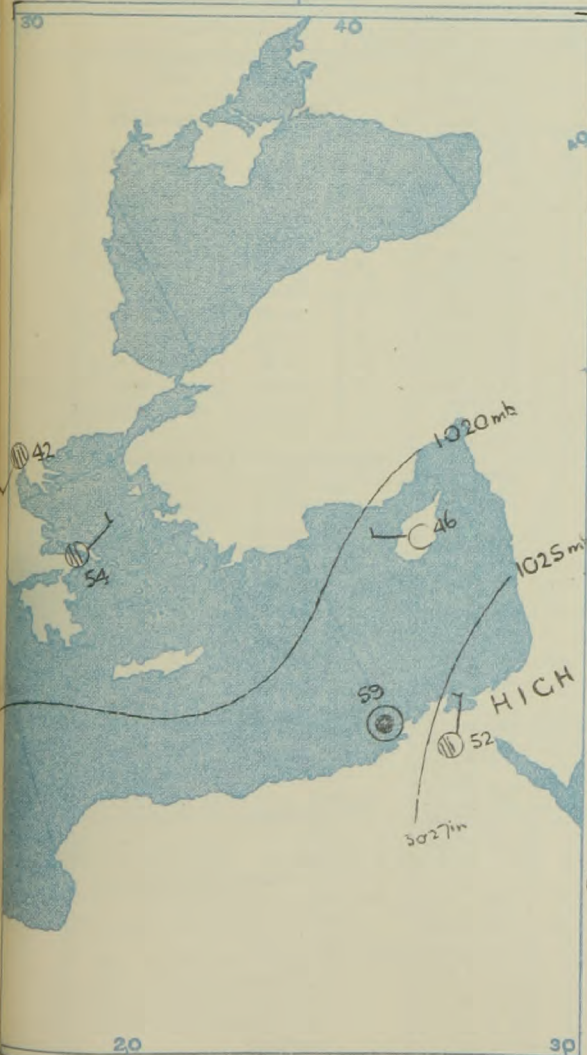
Notes on the weather of the 24 hours ended 7h to-day.

Except in the north of Scotland where there was a good deal of snow, rain and hail, weather was for the most part fair or fine. Bright sunshine was fairly evenly distributed, records of 4 hours or above being obtained at Birr Castle, Pembroke, Aberdeen and South Farnborough. Weather continued cold, the screened thermometer falling below freezing point at night at most inland stations.

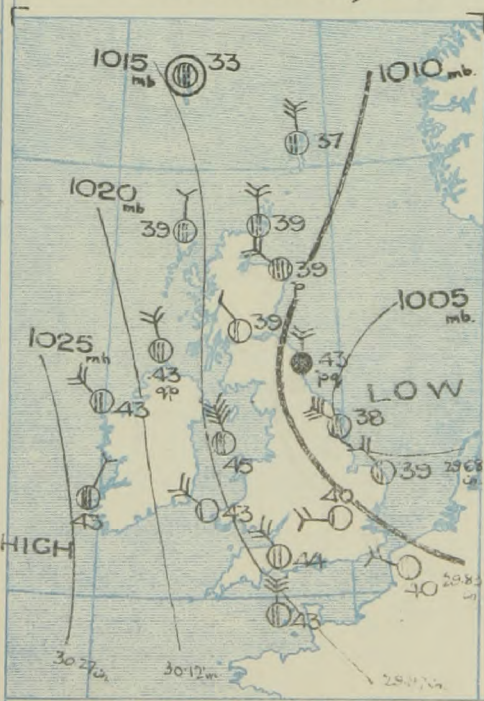
The Conditions at 7h to-day.

There is a depression centred near Skagen with a secondary over the North Sea, and a steep gradient south-westwards causing strong winds from North-west over the Irish Sea and South-West England. Pressure is relatively high over the Azores and Spain, but there is a depression centered near Corsica. Pressure is high over the Levant.

At 1 pm. the secondary had moved somewhat south-eastward and caused a steep gradient between Spurn Head and Dublin, with a gale at Holyhead.

Wednesday, 25<sup>th</sup>

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





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

Wednesday,  
25th December.

STATIONS.	EVENING OF 24th					MORNING OF 25th										24 HOURS ENDED 7 a.m. 25th							Sun- shine for 24h.
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 8 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	990.9	37	E	3	cpm	1007.6	+8	38	+4	NE	5	-	bc	2	1	39	34	cm	cm	bcm	Hours.	
	Deerness (Orkney)	990.5	34	NNW	4	bc	1007.7	+7	35	-2	N	4	-	s	*	*	*	*	*	*	*	*	
	Stornoway	998.2	37	NW	7	otspg	1012.6	+6	37	0	N	4	-	crsp	4	2	40	33	bchpg	c otshpg	crsp	1.3	
	Castlebay (Barraisd.)	1005.5	41	N	5	cu	1015.0	+6	42	+3	N	4	N	bc	4	2	42	35	bachp	bc.s.c	shp.bc	0.1	
	Glasgow	1003.1	32	SW	3	osp	1008.7	+6	36	+4	W	3	N	bc	*	0.2	37	31	bcg.b	bc.opm	b.bcx	2.2	
	Eskdalemuir	1003.8	31	W	4	bc	1006.2	+5	34	+7	NNW	6	-	bx	*	-	36	26	bcx.bc	bc	bcg.bx	3.4	
	Malin Head	1007.0	39	NW	5	cghp	1010.3	+3	42	+2	WNW	5	NW	cqjp	5	5	42	36	bcp	cghp	bchpg	2.8	
	Blacksod Point	1011.3	38	N	3	bcp	1019.2	+4	40	-1	N	5	N	bchpg	5	4	42	34	bchp	bcqp	bchpg	*	
	Valencia (Cahirciveen)	1014.5	42	NW	4	bc	1021.0	+6	42	+2	N	4	NW	bp	*	5	46	40	bcg.hp	chpg	bcp	3.6	
	Roche's Point	1012.9	39	WNW	3	b	1018.1	+2	38	0	NW	4	-	b	3	2	43	37	b.bcp.b	b.bcp.b	b.bcp.b	*	
	Birr Castle	1010.9	35	W	1	bc	1018.2	*	35	0	W	1	-	c	*	-	42	31	bc	bcx.c	bcx.c	4.5	
	Donaghadee	1007.5	36	WNW	5	cqpgm	1009.8	+2	42	+6	NW	7	NW	bcg	6	2	42	33	bc	bc.ogm	bcqpl	*	
	Liverpool (Bidston)	1006.6	36	NW	3	b	1007.6	+1	40	+1	W	7	W	bcg	5	2	43	32	o	bc	sp.og	0.0	
	Holyhead	1007.4	42	NW	5	bcg	1010.3	0	42	+1	NW	7	NW	bcg	6	Trace	42	40	c otshp	chp.bc	c.bcg	0.5	
	Pembroke (St. Ann's)	1009.4	43	WNW	5	cqv	1014.7	+3	41	-1	NW	4	N	b	4	-	44	39	bcg	bcqv	bcrg	4.4	
	Hartland Quay																					*	
	Scilly (St. Mary's)	1013.0	45	NW	4	bc	1016.1	+3	43	-1	N	5	N	cp	5	1	46	40	bcp	bcp	cp	3.8	
	Falmouth	1011.4	42	NW	6	bcg.hq	1015.2	+4	39	0	N	3	-	b	*	6	45	38	bchpg	bchpg	bchp	2.4	
	Jersey (St. Aubin)	1010.6	43	NW	3	b	1011.7	0	42	-2	WNW	4	-	op	3	9	47	39	bcg.p	c op.b	bchp	2.3	
	Portland Bill	1007.9	43	WNW	4	bc	1011.7	+5	41	-3	NW	4	-	b	3	0.3	45	40	cp	bc	bc.b	*	
	Dungeness	1005.1	36	WNW	3	bc	1009.5	+1	29	-9	NNW	3	-	b	3	1	50	28	cp.c	c.b.c	bc.bx	*	
Wick	991.8	33	W	2	basp	1006.4	+6	38	+1	NNW	4	N	cpm	4	7	40	33	bchp	basp	baspq	*		
Nairn	996.5	35	NW	2	cg	1007.5	*	39	+7	NW	5	-	ogm	4	10	39	30	basp.c	sp.c	cpqz	0.7		
Aberdeen	996.4	34	WSW	4	b	1005.0	+10	38	+3	NW	3	-	bc	4	4	38	34	bg.v	bg.v	bc.rsh	4.7		
Leith	1001.4	33	W	3	b	1005.5	+2	39	+6	NW	5	NW	c	4	-	40	32	bc.c.b	b	bc.u.c	*		
Tynemouth	1002.1	33	WNW	2	bm	1002.5	+1	31	-2	NW	3	-	bcm	3	-	38	31	bm	bm	bm.bcm	*		
Spurn Head	1003.2	37	W	3	bgm	1003.4	-1	39	+3	W	5	-	cqx	4	-	39	33	bg	bgm	bgx	2.8		
Yarmouth (Gorleston)	1004.2	36	NW	2	o	1008.2	0	32	-2	NW	3	-	bcmx	3	-	39	30	b.bcm	bcm.om	b.bcmx	3.3		
Clacton-on-Sea	1005.2	37	W	2	cm	1008.2	0	34	-1	W	3	-	bcx	2	-	40	32	b.b.c.g	c.g.m	c.bcmx	2.2		
Nottingham	1005.4	36	W	1	c	1006.9	*	35	-1	W	2	W	c	*	0.2	39	32	bc.cp	cp	c.b	0.6		
Benson (Oxon)	1006.7	34	W	1	b	1010.3	+1	29	-3	-	0	-	b	*	-	40	29	b	b	b	*		
Sth Farnborough	*	*	*	*	*	1011.2	+1	29	-4	W	3	-	bx	*	-	42	26	*	*	bx	4.0		
Salisbury Plain	1007.9	34	WNW	2	b	1011.9	0	29	-4	WNW	2	-	bx	*	-	40	25	bcx.bc	bc.c.bc	bx	*		
London (Kew Obsv.)	1006.6	36	W	1	b	1010.6	+2	30	-2	SSW	1	-	bx	*	0.1	42	29	bcx.b	b.b.c.b	b.bx	3.8		
NORTHERN EUROPE.	Spitsbergen																	THE BEAUFORT SCALE OF WIND FORCE.					
	Vardö	989.9	-6	N	5	o	?	-1	21	+3	?	6	-	o	3	*	21	?	Limits of Velocity. Statute miles per hour. Metres per second.				
	Gjesvær	1003.1	26	SE	2	bc	1011.5	*	36	+11	W	4	-	o	4	2	?	21					
	Bodö	1009.5	18	E	4	b	1013.0	0	19	+1	E	2	-	b	2	-	21	16					
	Christiansund	1005.4	30	E	2	b	1005.6	+2	30	+5	-	0	-	c	3	-	30	25					
	Skudesnaes	996.4	34	E	3	b	1003.7	+10	30	-4	ENE	2	-	bc	1	-	34	27					
	Færder (X'iantafjord)	991.7	32	NE	6	o	1001.3	+4	30	-2	SSE	7	-	s	3	?	32	28					
	The Scaw (Skagen)	991.3	32	NE	3	s	996.2	+3	36	+2	NW	1	-	o	1	13	36	32					
	Blaavands Huk	998.9	39	NNW	1	c	1003.9	+3	37	-4	WNW	1	N	bc	*	3	43	32					
	Copenhagen	993.2	36	WNW	3	o	1003.3	+3	34	-3	W	2	-	b	*	Trace	39	32					
Bornholm	992.0	37	W	9	o	1003.3	+3	37	-2	W	6	-	o	2	-	41	34						
FRANCE, &c.	The Helder	1002.6	43	W	2	b	1004.6	0	41	-2	SW	3	-	c	2	-	45	34					
	C. Gris Nez	1005.6	41	NW	4	o	1009.7	+1	37	-8	NW	3	*	b	*	17	46	36					
	La Hève	1008.6	43	NW	4	c	1011.4	+1	39	-2	SSW	3	*	o	*	14	46	37					
	Brest (St. Mathieu)	1011.3	46	NW	5	c	1015.4	0	45	-3	NNW	6	*	c	*	1	54	45					
	Rochefort (Ile d'Aix)	1013.7	45	W	4	r	1016.2	0	41	-7	S	2	*	bc	*	-	50	37					
	Biarritz	1017.4	54	NNW	6	b	1017.0	-1	50	0	WSW	5	*	r	*	6	54	50					
	Paris	1007.1	41	W	3	o	1012.3	+1	34	0	SSW	2	*	r	*	4	43	32					
	Belfort						1014.3	*	32	-4	WSW	2	*	o	*	6	45	32					
	Lyons	1009.5	45	WSW	1	o	1015.8	+1	36	-9	-	0	*	bc	*	5	46	36					
	Nice	1004.4	50	SW	3	o	1006.9	+2	43	-11	E	3	*	b	*	-	57	41					
Perpignan	1012.0	54	NW	4	o								*	*	*								
Sanguinaire	1009.9	59	NW	4	o	1009.9	+1	52	-5	NW	3	*	bc	*	-	61	46						
IBERIA, &c.	Corunna	1024.6	54	NNW	2	bc	1024.4	+2	50	-2	N	1	W	bc	3	14	54	46					
	Madrid													*									
	Lisbon																						
	Azores (Horta)	1030.1	*	SE	4	o	1030.6	-2	59	-2	SE	5	*	bc	2	-	68	59					
	" (P. Deigada)	1029.3	*	E	1	m	1032.3	-1	59	-2	ESE	4	*	b	3	4	63	59					
	Madeira	1025.3	64	-	0	o	1026.9	*	59	-2	NE	3	*	c	3	2	66	57					
Gibraltar	1016.6	57	NW	3	bc	1020.0	*	50	-4	NW	5	*	b	4	-	66	48						
MEDITERRANEAN.	Algiers						1019.9	0	59	+2	SW	2	-	b	0	-	63	55					
	Malta						1017.3	*	42	+2	SW	1	S	o	*	-	49	38					
	Salonica						1019.3	+1	54	+4	-	0	-	c	0	-	61	50					
	Athens	1018.4	54	-	0	b																	
	Candia																						
	Limassol						1021.2	+1	46	+3	WNW	1	-	b	0	-	63	43					
	Alexandria	1023.3	63	N	2	bc	1024.3	0	59	+13	-	0	-	r	1	13	68	46					
	Cairo (Helwan)	1022.7	52	E	1	b	1025.1	+2	52	-5	NE	1	-	c	*	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	0.3-1.6
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



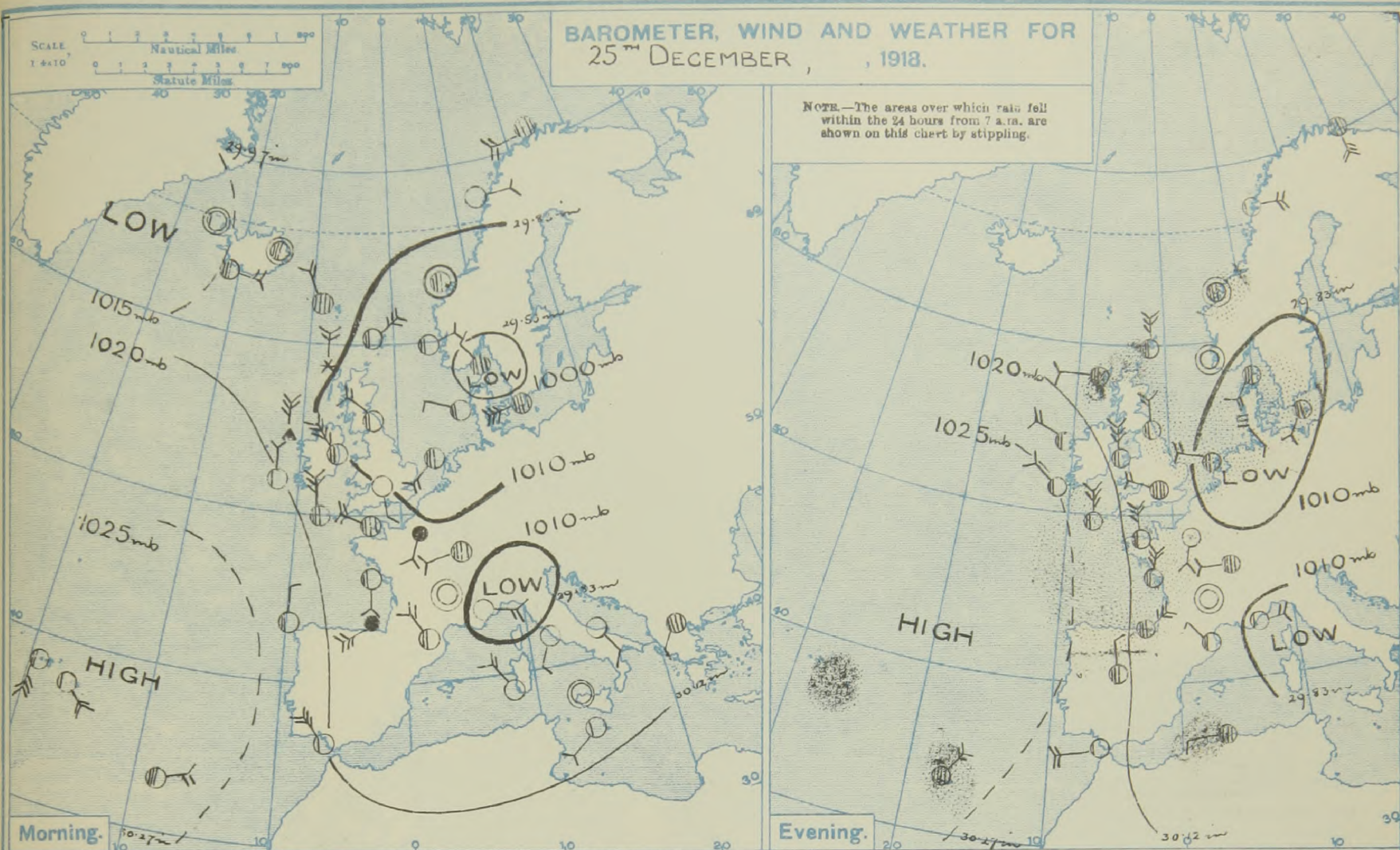
# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 353.

THURSDAY, 26 DECEMBER, 1918.

## BAROMETER, WIND AND WEATHER FOR 25<sup>th</sup> DECEMBER, 1918.

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



## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 25<sup>th</sup> DECEMBER.

STATIONS.		EVENING OF... 24th...					MORNING OF... 25th...										MORNING OF... 25th...						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.
		* F.	*	*	*	*			* F.	* F.				* F.	* F.			* F.	* F.				
RUSSIA.	Orlov ...	*	*	*	*	*	1022.9	-	19			SSW	7	0	-	*	*						
	Kem ...	*	*	*	*	*	1021.6	+1	19			S	3	0	-	*	*						
	Archangel ...	*	*	*	*	*	1027.3	+1	14			SSE	4	0	1	*	*						
	Mesen...	*	*	*	*	*	1029.3	-	16			SSW	3	0	-	*	*						
SWEDEN.	Haparanda ...							*							*	*	*						
	Hernösand ...							*							*	*	*						
	Stockholm ...							*							*	*	*						
	Wisby ...							*							*	*	*						
	Sordovalä ...							*							*	*	*						
	Hangö ...							*							*	*	*						
ITALY.	Venice ...	1007.0	41	NNE	1	0		*				-	0	b	Trace	39	36						
	Turin ...	1007.8	36	-	0	f	1009.0	*	37	0		-	0	b	Trace	39	36						
	Pesaro ...						1007.8	*	43			WNW	1	0	4	57	41						
	Leghorn ...	1008.3	57	W	7	0	1008.5	*	55	+4		W	1	0	4	61	55						
	Rome ...	1012.6	54	SE	1	0	1010.1	*	54	-1		SW	1	0	2	57	54						
	Viesti ...	1010.1	45	W	1	b	1011.1	*	52	-2		SE	1	0	-	61	43						
	Brindisi ...							*															
	Cagliari ...	1016.2	52	NW	5	b	1015.1	*	52	+2		NW	3	0	-	63	48						
	Palermo ...	1017.5	59	SW	1	0	1014.2	*	52	+5		-	0	b	-	68	50						
	Tripoli ...	1025.5	50	SSW	1	b		*															
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																							
		26th and 27th Dec 1918.		Sunrise.		Noon		Sunset															
				G.M.T.		G.M.T.		G.M.T.															
Yarmouth ...				8.6		11.54		3.42															
Greenwich ...				8.6		11.54		3.43															
Wick ...				8.7		12.1		3.54															
Valencia ...				8.6		12.1		3.55															
				9.5		12.13		3.20															
				9.5		12.13		3.21															
				8.51		12.42		4.33															
				8.51		12.42		4.34															

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

	25 <sup>th</sup> and 27 <sup>th</sup> Dec 1918.	Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...		8.6	11.54	3.42
Greenwich ...		8.7	12.1	3.54
Wick ...		8.8	12.1	3.55
Valencia ...		9.5	12.13	3.20
		8.51	12.42	4.33

LONDON	HUMIDITY.		Sun-shine for 25 <sup>th</sup> Hours.	TEMPERATURE.			Rain-fall. mm.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
26 <sup>th</sup> Dec 1918 9 h. G.M.T.										
GREENWICH (Royal Observatory)	78	86	0.9	40	28	21	-	c	c	0.6x
CITY (Bunhill Row)	x	x		x	x	x	x	x	x	x
WESTMINSTER (St. James's Park)				41	27	23	-	x	x	x
(Roof near Charing Cross)	78	98	1.2	41	31	x	-	bc	c	0.6c
CAMDEN SQ. (British Rainfall)	-	100	0.5	40	27	21	-	-	-	x
KENSINGTON PALACE	-	87	x	40	29	16	-	bc	0	x

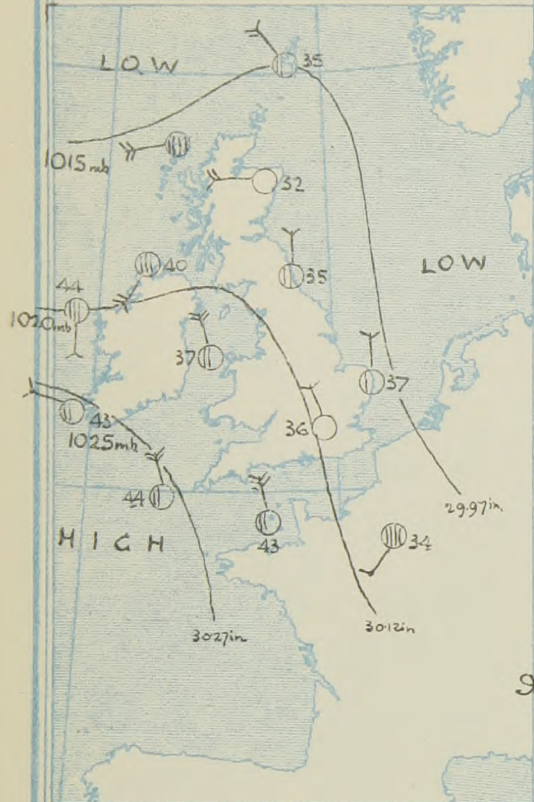
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

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



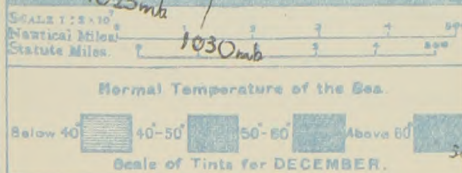
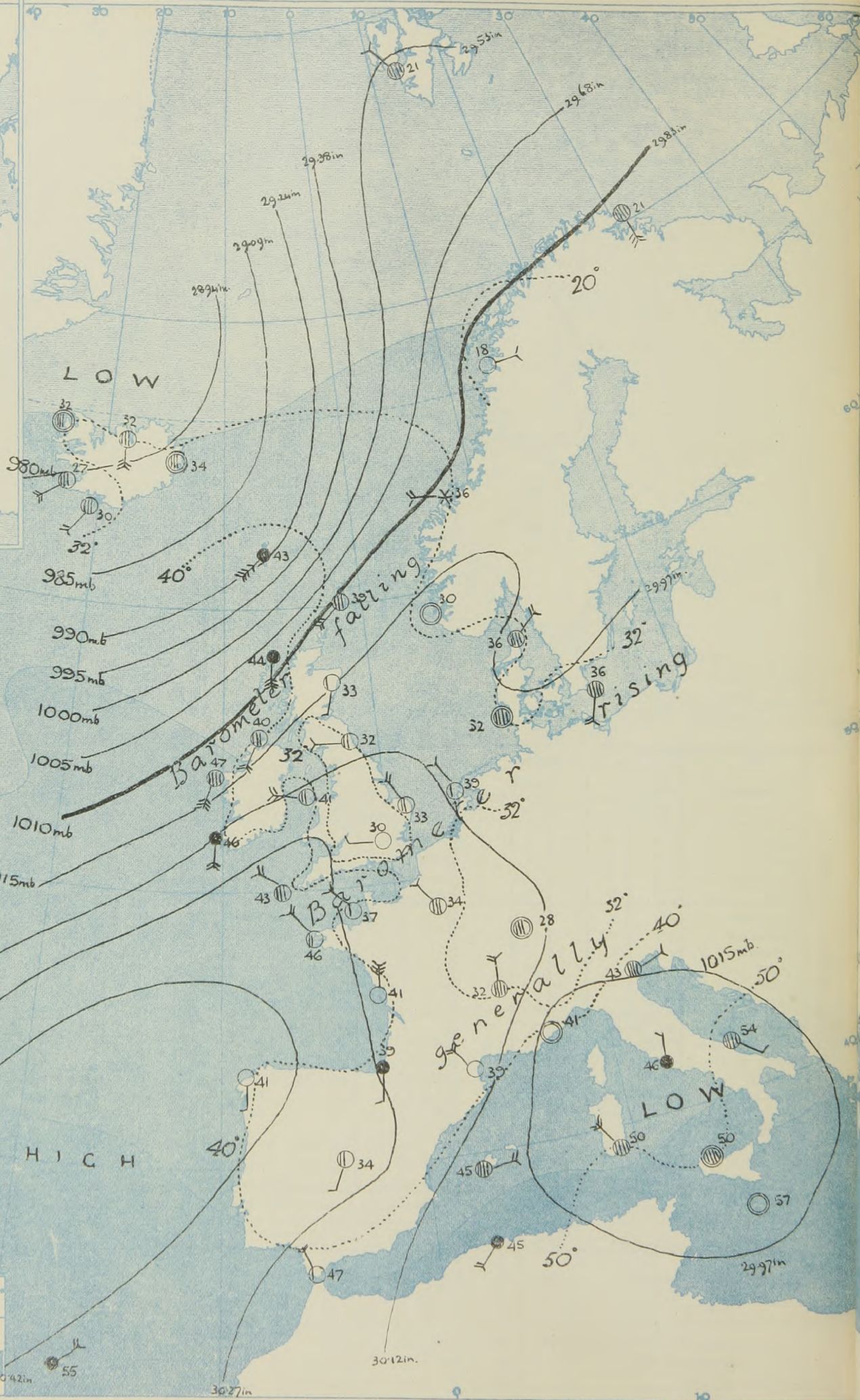
26<sup>th</sup>, DEC, at 1h. G.M.T.

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



**EXPLANATION.**

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



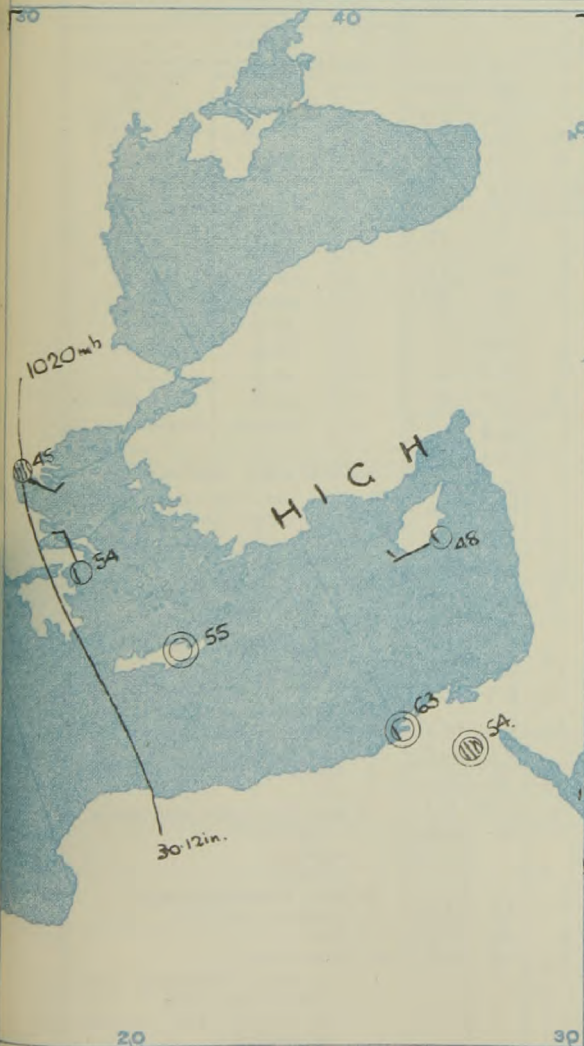


### The Conditions at 7h To-day.

A large anticyclone has spread north-eastward from the Azores region over the Bay of Biscay, France and Southern Britain. A new depression of considerable depth and intensity has appeared to the north-west of the British Isles and the barometer is falling briskly in the north and west where strong S. to S.W. winds have replaced the N.W. current which has been prevalent of late. Over South and East England and over France, where there are light to moderate N.W. to N. winds, the weather is fair or fine and cold. Milder conditions prevail over the remainder of the Kingdom and rain is falling at some western stations.

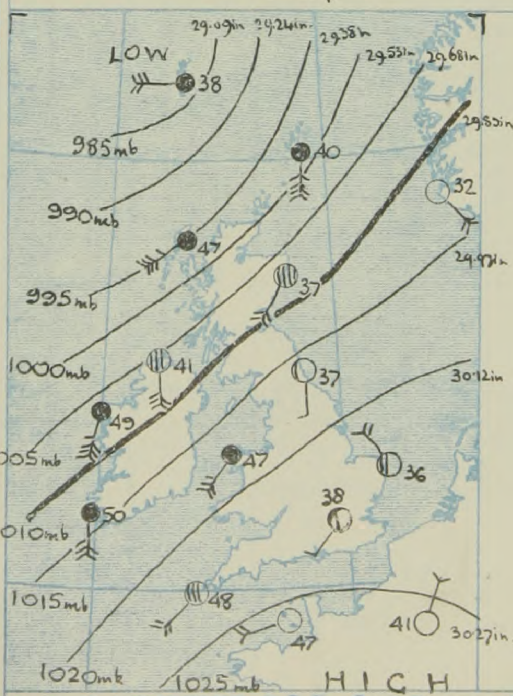
The depression over the Cattegat is filling up without much change of position, and pressure continues relatively low over the Central Mediterranean.

By 10 am. the S. to S.W. wind had reached gale force at Lerwick, the barometer continuing to fall briskly in the west and north.



Thursday. 26<sup>th</sup>

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



The fall of the barometer is extending eastward, but has ceased at Stornoway. Except in East Anglia winds have backed generally to between SW. and S.



STATIONS.	EVENING OF 25 <sup>TH</sup> ...					MORNING OF 26 <sup>TH</sup> ...										24 HOURS ENDED 7 h. 26 <sup>TH</sup> ...						Sun- shine for 25 <sup>TH</sup> Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 8 hours.	Dry Bulb. °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	1014.3	36	N	5	cm	1010.9	-6	39	+1	SW	5	-	c	3	-	39	33	bcq	bc	bc	*
	Houfton Bay	1016.6	35	N	4	c	1010.3	-8	35	0	S	6	-	o	4	*	39	33	x	*	*	*
	Stornoway	1019.4	40	NW	2	o	1005.9	-10	44	+7	S	6	-	org	5	1	44	34	bc	c.o	c.org	0.6
	Castlebay (Barra Isd.)	1017.7	38	W	2	c	1009.1	-9	46	+4	SSW	5	-	op	5	0.1	46	36	c	c	op	2.9
	Glasgow	1019.1	35	WSW	2	bz	1016.9	-6	32	-4	SSW	2	W	bz	*	40	28	bc	b.bz	bzx	3.5	
	Esksdalemuir	1017.8	33	WSW	1	bc	1019.6	-2	23	-11	-	0	-	ox	*	38	19	bz.bcb	b.bv.bc	bz.ox	4.6	
	Malin Head	1018.8	42	W	3	bc	1012.2	-6	40	-2	SW	4	SW	cq	4	-	45	37	bc	bc	cq	0.8
	Blacksod Point	1022.6	41	WNW	3	bc	1013.6	-6	47	+7	SSW	6	-	ogm	5	TRACE	47	39	bcp	bcp	cq.p	*
	Valencia (Cahirciveen)	1025.6	41	NW	2	bc	1020.4	-5	46	+4	S	4	-	od	*	46	35	cp	c.bc	bc.co	0.5	
	Roche's Point	1024.3	38	NW	2	b	1023.8	-1	42	+4	WSW	1	-	o	2	0.2	43	34	b.bcc	c.b	b.o	*
	Birr Castle	1022.8	38	WNW	1	c	1019.2	*	37	+2	S	1	-	o	2	-	40	31	c	c	c.x	4.3
	Donaghadee	1019.0	42	NNW	5	cmq	1018.2	-3	35	-7	SW	4	-	cmq	*	-	44	33	bcq	bcq	og.bm	*
	Liverpool (Bidston)	1017.4	39	NNW	2	b	1021.5	+1	27	-13	SW	2	W	od	3	0.3	42	27	bc.b	bc	b.o.x	3.3
	Holyhead	1019.1	44	N	6	bc	1021.2	-1	41	-1	W	4	W	bc	3	-	45	40	c.b.cq	cq.bc	c.o.bc	1.0
	Pembroke (St. Ann's)	1020.3	42	NNW	4	bqv	1025.2	0	44	+3	W	2	-	cv	3	-	44	43	bv.bq	bqv	bv.bv	4.7
	Hartland Quay	1010.7	37	WSW	3	c	1021.8	+3	31	+2	NNW	3	-	b	3	-	41	30	bc	c	c.bx	*
	Scilly (St. Mary's)	1022.7	44	N	5	bcp	1026.2	+1	43	0	W/VW	3	NW	c	4	0.3	50	40	c.p.c	bcp	cp.c.b	4.2
	Falmouth	1020.9	43	NNW	5	bq	1025.8	+1	38	-1	W/VW	2	-	bc	*	1	46	36	bq.c.bv	b.c	b.b	6.1
	Jersey (St. Aubin)	1016.9	42	NNW	4	b	1024.3	+1	37	-5	W/VW	3	-	b	3	1	46	36	op.b	bcp.b	b.p.b	4.5
	Portland Bill	1015.6	42	NW	4	b	1023.9	+3	40	-1	NNW	2	-	b	3	-	44	38	b	bc	b	*
	Dungeness	1010.7	37	WSW	3	c	1021.8	+3	31	+2	NNW	3	-	b	3	-	41	30	bc	c	c.bx	*
	Wick	1016.2	38	N	3	bcm	1010.3	-7	38	0	SSW	4	-	cm	3	5	40	32	cmq	cm.bcm	bcm.m	*
Nairn	1018.0	37	NW	1	cg	1011.1	*	37	-2	NW	1	-	cg	1	1	39	29	o.cg	cpg	c.bc	0.0	
Aberdeen	1016.3	36	WNW	2	c	1014.4	-4	33	-5	SSW	1	-	b	2	3	39	31	bcp.o	o.s.h.p	c.b.c	2.2	
Leith	1017.8	39	NW	2	c	1016.4	-2	35	-4	W	2	W	c	2	-	41	29	cq.b.c	c.b.b.c	c.b.c	*	
Tynemouth	1013.1	37	N	3	bcq	1019.2	0	32	+1	W	2	-	bcm	4	2	43	31	c.q.p	bc.qp	bcm	*	
Spurn Head	1012.7	41	NE	6	cpq	1021.3	+1	33	-6	WNW	2	-	bx	4	1	41	32	c.q.p	cq.p	o.8	0.8	
Yarmouth (Gorleston)	1010.8	39	N	5	bcq.p	1021.2	+3	33	-1	NW	3	-	bcmx	4	0.4	40	32	bcm	bcm.p	b.bmx	3.2	
Clacton-on-Sea	1010.6	37	W	3	cm	1022.1	+2	31	-3	NW	3	-	b	1	0.2	39	31	bc.	bc.od.c	bc.bmx	3.2	
Nottingham	1015.3	38	NW	2	b	1022.4	*	29	-6	W	1	-	bx	*	TRACE	41	28	c.p.o	c.bc	b	0.7	
Benson (Oxon.)	1014.8	38	W	3	o	1024.1	+3	24	-5	-	0	-	b	*	-	40	24	b.	bc	b	*	
Sth Farnborough	1014.8	38	W	3	o	1024.6	+2	27	-2	NW	1	-	bx	*	TRACE	40	25	b.	bc	o.bx	4.2	
Salisbury Plain	1010.2	40	WNW	3	o	1010.2	+2	28	-1	NW	2	-	bx	*	-	41	25	b.	bc	o.bx	*	
London (Kew Obsy.)	1013.8	40	WNW	3	o	1023.9	+3	30	0	W	1	-	bm	*	0.2	40	30	b.bmx	b.b.c	o.c.b.c	*	
NORTHERN EUROPE.	Spitsbergen	998.6	18	SE	4	o	1001.7	+5	21	?	NW	2	*	o	*	19	14					
	Vardö	1013.3	21	S	5	o	1010.7	0	21	0	S	5	-	o	3	*	21	16				
	Gjesvær	1013.3	21	S	5	o	1010.7	0	21	0	S	5	-	o	3	*	21	16				
	Bodö	999.9	21	E	4	b	1012.4	0	18	-1	E	2	-	b	2	-	19	12				
	Christiansund	1010.4	34	-	0	c	1011.8	+1	36	+6	W	3	-	s	2	1	34	27				
	Skudesnaes	1011.3	28	-	0	b	1015.5	+1	30	0	-	0	-	b	1	-	32	25				
	Færder (Xania Fjord)	1010.7	30	NE	6	o	1015.8	+3	28	-2	NE	3	-	o	1	?	30	28				
	The Scaw (Skagen)	1003.5	37	SW	2	c	1012.2	+4	36	0	NE	3	-	o	3	5	37	34				
	Blaavands Huk	1008.0	28	ESE	1	f	1017.0	+4	32	-5	-	0	-	o	*	TRACE	39	25				
	Copenhagen	1009.7	36	SW	2	c	1015.0	+2	36	+2	SW	2	-	m	*	TRACE	37	32				
Bornholm	1009.7	37	SW	2	m	1016.3	+4	36	-1	SW	3	-	o	1	2	39	36					
FRANCE, &c.	The Helder	1007.7	41	WNW	3	bc	1019.0	+3	39	-2	NNW	2	-	b	3	2	43	36				
	C. Gris Nez	1012.4	41	NW	5	c	1021.7	+4	39	+2	N	3	-	b	*	-	41	36				
	La Hève	1015.0	43	NW	5	c	1023.9	+5	41	+2	NNE	2	*	c	*	1	45	37				
	Brest (St. Mathieu)	1021.2	46	N	5	bc	1027.1	+1	46	+1	WNW	3	*	bc	*	2	48	41				
	Roche fort (Ile d'Aix)	1019.0	41	NNE	5	bc	1023.7	+3	41	0	N	6	*	b	*	4	50	41				
	Biarritz	1017.7	48	NNE	5	c	1024.8	+1	39	-11	S	1	*	r	*	14	50	37				
	Paris	1015.4	32	SSW	2	b	1022.7	+5	34	0	NW	2	*	c	*	1	48	?				
	Beaufort	1015.8	34	W	2	o	1022.0	*	28	-4	-	0	*	c	*	-	39	28				
	Lyons	1016.7	36	-	0	b	1021.7	+3	32	-4	N	3	*	o	*	-	43	30				
	Nice	1009.3	43	E	3	b	1013.0	+1	41	-2	-	0	*	b	*	-	54	36				
Perpignan	1015.5	45	NW	1	bc	1020.4	+2	39	-6	NNW	4	*	b	*	-	48	37					
Sanguinaire	1012.3	52	NW	4	o	1011.5	-2	46	-6	E	3	*	o	*	-	61	46					
IBERIA, &c.	Corunna	1025.9	52	N	3	b	1031.0	+2	41	-9	S	1	*	b	3	2	54	39				
	Madrid	1020.2	46	N	1	c	1028.8	+4	34	?	SSW	1	*	bc	*	-	46	30				
	Lisbon	1018.7	*	SE	5	o	1017.6	0	61	+2	SSE	5	*	o	3	1	63	59				
	Azores (Horta)	1033.5	*	SSE	4	o	1033.0	-1	59	0	S	1	*	o	2	-	63	59				
	„ (P. Delgada)	1028.0	63	NE	4	o	1029.3	-0	55	-4	NE	3	NE	r	3	1	66	55				
	Madeira	1023.0	52	W	4	b	1024.2	*	47	-3	NW	4	*	b	2	-	59	45				
MEDITERRANEAN.	Gibraltar	1015.5	52	W	1	o	1017.4	+2	45	?	SW	3	-	r	4	26	54	43				
	Algiers	1015.5	52	W	1	o	1013.0	0	57	-2	-	0	-	b	1	-	64	57				
	Malta	1024.0	61	NE	1	b	1024.0	+1	54	+2	-	0	-	o	*	-	68	52				
	Salonica	1024.3	63	W	2	o	1024.6	0	63	+4	-	0	-	b	1	3	68	57				
	Athens	1024.0	61	NE	1	b	1024.0	+1	54	+2	-	0	-	o	*	-	68	52				
	Candia	1022.6	0	48	+2	W	1	N	b	?	-	63	46									
	Limassol	1024.6	0	63	+4	-	0	-	b	1	3	68	57									
	Alexandria	1024.0	61	NE	1	b	1024.0	+1	54	+2	-	0	-	o	*	-	68	52				
	Cairo (Helwan)	1024.0	61	NE	1	b	1024.0	+1	54	+2	-	0	-	o	*	-	68	52				

**THE BEAUFORT SCALE OF WIND FORCE.**

No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-8.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-1

## 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	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-16	5.5-7.9
5	17-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5
12	Above 75	33.6 or above

## BEAUFORT NOTATION.

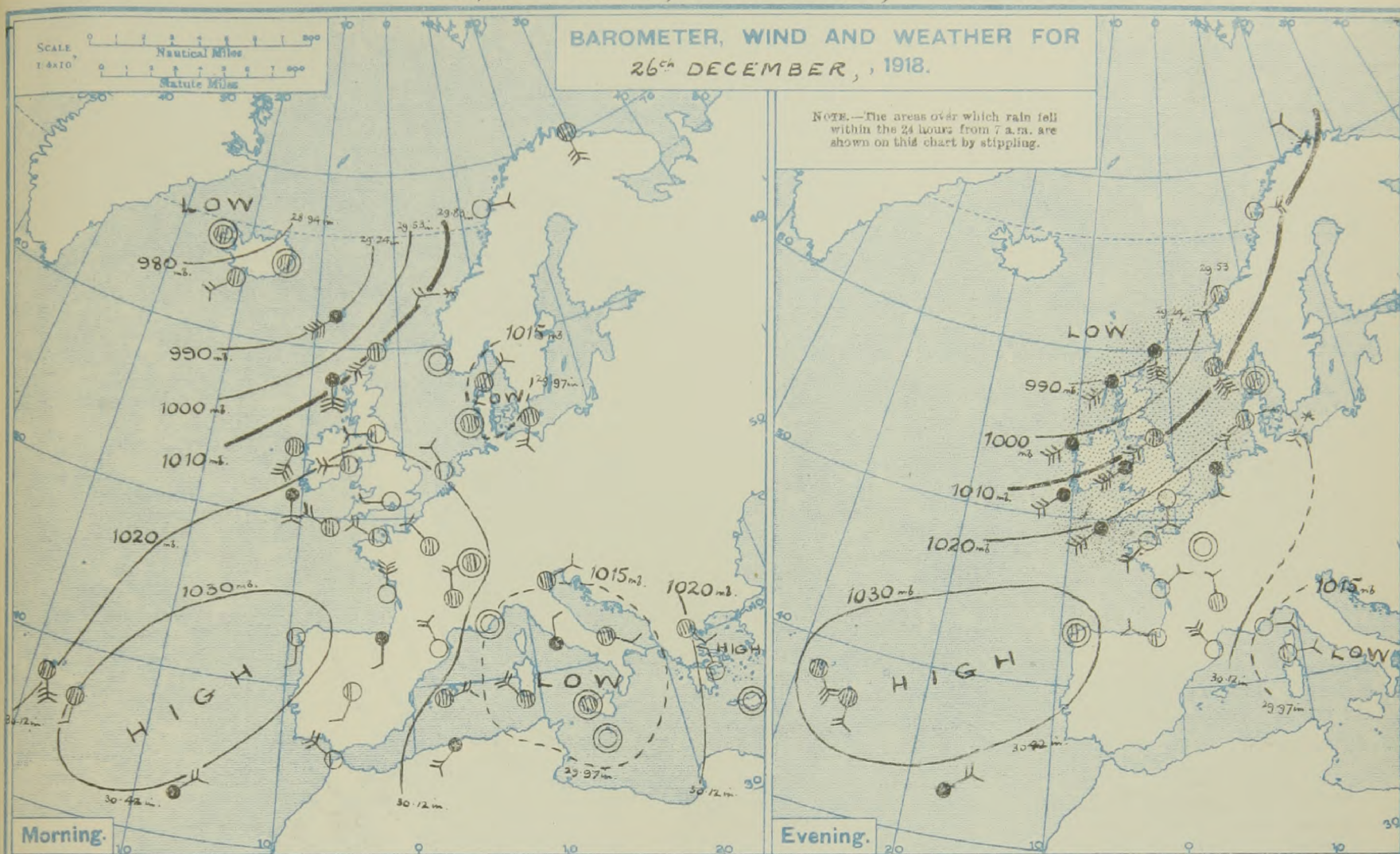
b blue sky (not more than a quarter covered).  
bc sky partly cloudy (one half covered).  
c generally cloudy (three quarters covered).  
d drizzle, or fine rain.  
e wet air without rain falling.  
f fog. g gloom.  
h hail. i lightning.  
m mist.  
o overcast sky.  
p passing showers.  
q squalls.  
r rain.  
rs sleet, i.e., rain and snow together.  
s snow.  
t thunder.  
u ugly, threatening sky.  
v unusual visibility.  
w dew.  
x hoar frost.  
y dry air; humidity less than 60 per cent.  
z dust haze; the turbid atmosphere of dry weather.



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,854

FRIDAY, 27<sup>th</sup> DECEMBER, 1918.



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

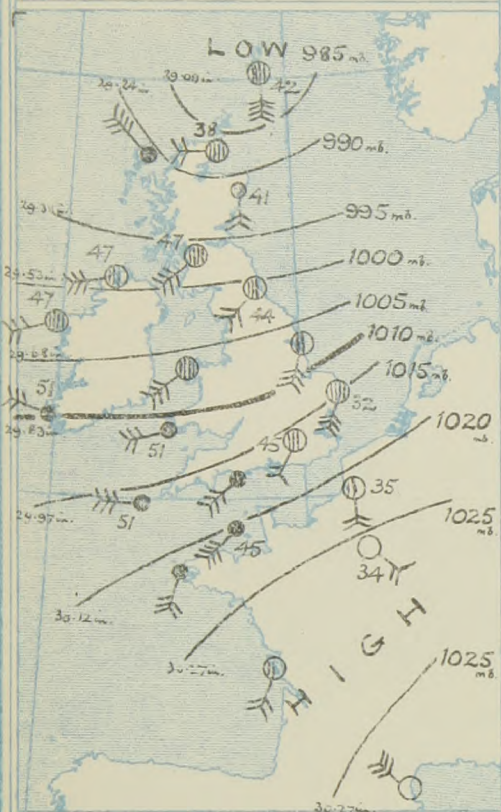
STATIONS.		EVENING OF 25th...					MORNING OF 26th...										MORNING OF 26th...						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 2 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.		Force 0-12.
RUSSIA.	Orlov ...	x	° F.	x	x	x									° F.	° F.							
	Kem ...	x	x	x	x	x									x	x							
	Archangel ...	x	x	x	x	x									x	x							
	Mesen...	x	x	x	x	x									x	x							
SWEDEN.	Haparanda ...							x						x	x	x							
	Hernösand ...							x						x	y	x							
	Stockholm ...							x						x	x	x							
	Wisby ...							x						x	x	x							
	Sordovala ...							x						x	x	x							
	Hangö ...							x						x	x	x							
ITALY.	Venice ...						1015.1	x	43	-	ENE	2	0	2	45	41	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Turin ...						1018.2	x	30	-7	-	0	bc	-	43	28							
	Pesaro ...	1007.8	37	-	0	f		x									27th and 28th Dec 1918.		Sunrise.	Noon.	Sunset.		
	Leghorn ...	1007.1	50		0	bc		x									G.M.T.	G.M.T.	G.M.T.				
	Rome ...	1006.1	59	wnw	4	m		x									Yarmouth ...	8.6	11.54	3.43			
	Viesti ...	1011.4	55	SE	1	0	1010.7	x	46	-8	N	1	r	3	57	46	8.6	11.55	3.44				
	Brindisi ...	1011.0	55	-	0	r	1012.6	x	54	+2	SE	1	0	-	61	45	8.8	12.1	3.55				
	Cagliari ...							x									12.2	3.56					
	Palermo ...	1012.2	55	NW	4	b	1011.1	x	50	-2	NW	4	0	6	61	46	Wick ...	9.5	12.13	3.21			
	Tripoli ...	1015.1	57	-	0	b	1011.0	x	50	-2	-	0	0	-	68	43	9.5	12.14	3.22				
								x									Valencia ...	8.51	12.42	4.34			

24 HOURS ENDED 9 h. 27 <sup>th</sup> ...										SOUTH KENSINGTON (M.O.)		
LONDON										Vertical Component of Solar Radiation per square Centimetre during 26 <sup>th</sup>		
27 <sup>th</sup> December. 9h. G.M.T.										Total.	Average Rate.	Max. Rate.
Greenwich (Royal Observatory)	Humidity. 25 h. %	Humidity. 9 h. %	Sunshine for 24 h. Hours.	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rain-fall. mm.	Weather. Morning.	Weather. Afternoon.	Joules.	Milliwatts.	Milliwatts.
GREENWICH (Royal Observatory)	80	97	5.0	49	29	27	2	bx	b	210	7.5	15
CITY (Bunhill Row)	x	x	x	x	x	x	x	x	x			
WESTMINSTER (St. James's Park)	-	-	0.2	50	28	24	3	x	x			
(Roof near Charing Cross)	76	98	?	49	31	*	3	bc, b	bc, b			
CAMDEN SQ. (British Rainfall)	-	99	0.0	50	29	23	3	-	-			
KENSINGTON PALACE	-	87	*	50	30?	28	3	bc	bc			
RICHMOND PARK	x	x	x	x	x	x	x	x	x			




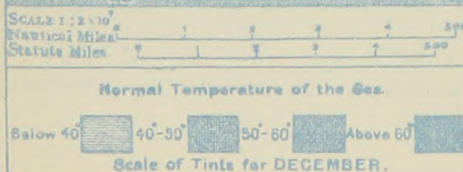
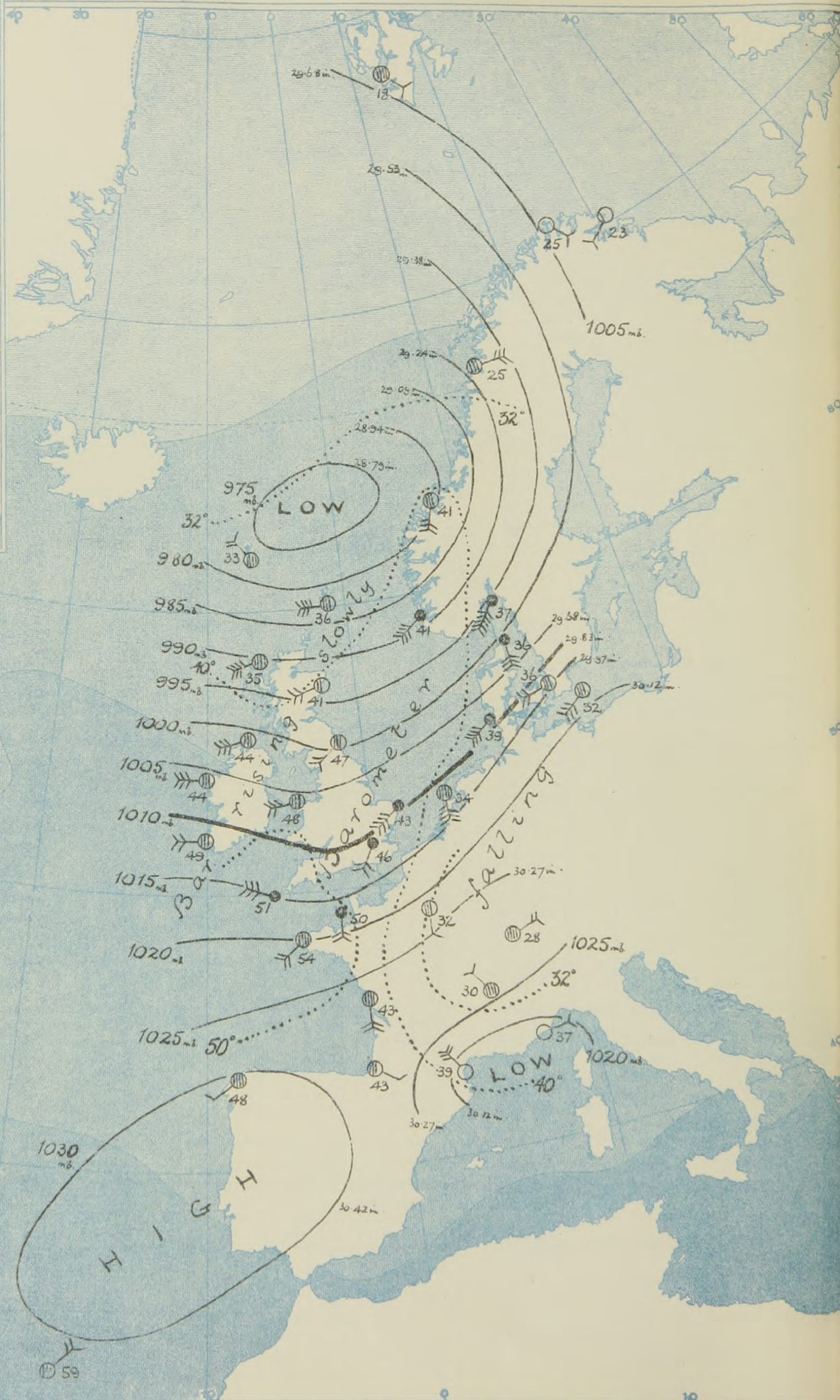
27<sup>th</sup>, DEC, at 1h. G.M.T.

THE MORNING OFFRIDAY, 27<sup>th</sup> DECEMBER 1918, at 7h. G.M.T.

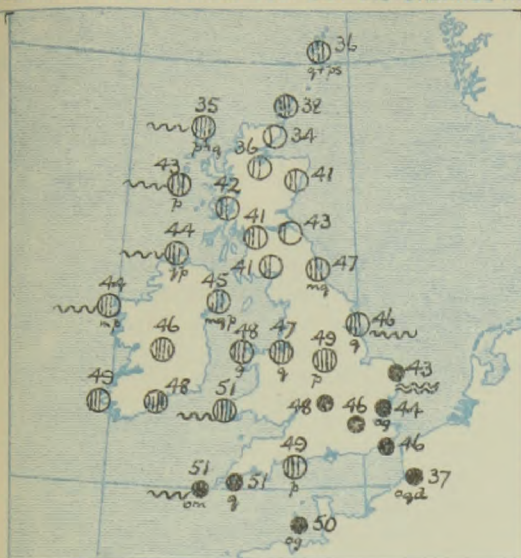


#### EXPLANATION.

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







NOTES.

LERWICK

Gale 10h. (26<sup>th</sup>) to  
5h. (27<sup>th</sup>)  
Extreme S. 11 to 16h.  
" W. 9 to 3h.

LANGHOLM

SSW. 8 to 20h. (26<sup>th</sup>)

DUNGENESS

SSW. 8 to 5h. (27<sup>th</sup>)  
continuing.

HOUTON

W. by S. 9 to 1h. (27<sup>th</sup>)  
SSW. 8 to 7h. (27<sup>th</sup>)

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

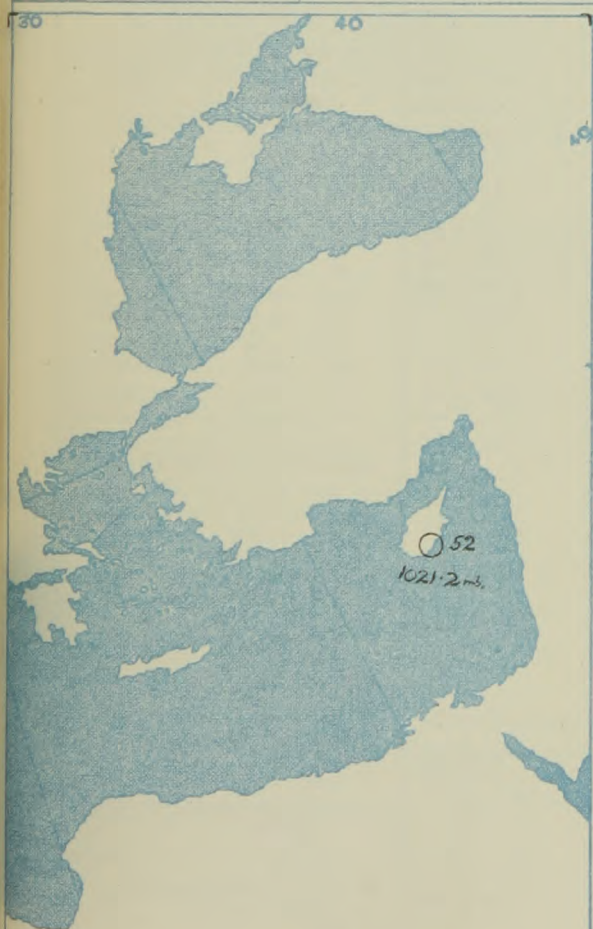
The Southerly wind current which spread over the British Isles from the North-westward during the day caused a marked rise of temperature, the maximum reaching 50° at most of the western stations. Rainfall occurred mainly in the west and north 16 mm. being measured at Stornoway and Eskdalemuir. Sunshine was almost entirely confined to the east and south; at Clacton-on-Sea 6.1 hours were registered.

The Conditions at 7h. Today

A deep depression is centred near the Farøe and is associated with a strong wind circulation over north-west Europe generally. A strong Westerly to North-Westerly current is blowing on our western coasts while the South-Westerly wind in the North Sea touches gale force locally, a storm being reported in the Skagerrak. Rain is falling generally in south and east England, Denmark and on the Norwegian coast. Hail and snow showers are again reported in the north of Scotland. Pressure remains high over the Iberian Peninsula.

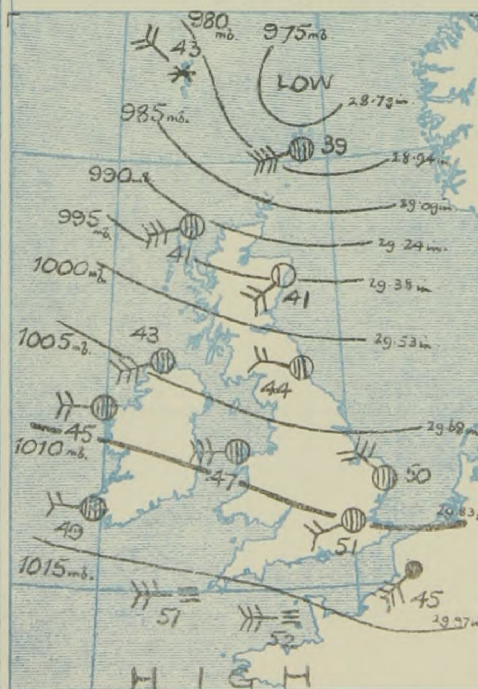
The Outlook

The depression is moving slowly eastwards and the barometer is rising slowly in its rear. A temporary improvement of weather accompanied by fresh W. to NW. winds will probably extend eastward gradually but the early development of fresh depressions or secondaries off our western coasts is probable.



FRIDAY, 27<sup>th</sup>

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



The development of a small but deep secondary near Lerwick has caused the wind to freshen to a strong gale between the Orkneys and Shetlands. Over the rest of the area no important change has taken place.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 361.

FRIDAY  
27th DECEMBER.

STATIONS.	EVENING OF 26th.					MORNING OF 27th.										24 HOURS ENDED 7th 27th.					Sun- shine for 26th Hours.		
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Dir.	Force 0-12.				Dry Bulb.	Change in 24 hours.							Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	987.9	41	S	4	omg	981.4	0	36	-3	W	7	-	cqrs	4	7	43	32	omg	omg	omg	*	
	Houaton (Orkney)	989.4	40	SSW	9	0	985.4	+1	38	+3	SSW	8	-	c	6	*	*	*	*	*	*	*	
	Stornoway	990.6	46	SW	6	org	990.4	+1	35	-9	WSW	7	-	opbq	6	16	49	35	org	org	opbq	0.0	
	Castlebay (Barra Isd.)	995.0	48	SW	5	0	996.4	+1	43	-3	WNW	7	-	cp	6	1	49	40	opd	do	o, ch	0.0	
	Glasgow	1003.4	43	SSW	4	omr	999.1	+3	41	+9	WSW	4	W	c	*	4	48	31	c, omdb	omd	om, bc	0.0	
	Eskdalemuir	1006.9	41	SSW	6	omr	998.8	+1	41	+18	SW	6	-	bc	*	16	47	22	ox, ops	odm, or	om, bc	0.0	
	Malin Head	998.7	43	SSW	6	omgd	1000.4	+2	44	+4	WSW	6	SW	cq	6	2	49	39	cqm	cqg	cq	0.0	
	Blacksod Point	1004.1	49	SW	6	ofd	1006.7	+3	44	-3	W	6	-	cqm	6	1	55	43	omg	ofd	om, cqm	*	
	Valencia (Cahirveen)	1011.7	52	SW	5	od	1012.4	+2	49	+3	W	4	-	c	0	5	53	46	od, or	ro, od	do	0.0	
	Roche's Point	1012.5	50	SW	4	0	1011.2	+1	48	+6	WNW	2	-	o	3	5	50	43	ord, om	dfom	om, o	*	
NORTHERN EUROPE.	Birr Castle	1007.0	50	S	2	0	1008.6	*	46	+9	SSW	1	-	o	*	1	50	36	o	o	om, o	0.0	
	Donaghadee	1006.0	45	SSW	5	omg	1001.5	+1	45	+10	WNW	5	NW	cqm	4	1	50	35	emg	emg	om, cqm	*	
	Liverpool (Bidston)	1013.7	42	S	3	0	1003.8	-3	47	+20	W	7	W	og	5	1	52	27	boc	c, o	opg	2.5	
	Holyhead	1011.9	48	SW	7	odqm	1006.2	+2	48	+7	WSW	5	-	cg	4	3	50	40	bar, o	po, odm	opde, c	0.0	
	Pembroke (St Ann's)	1016.4	47	SSW	5	od	1009.8	-1	51	+7	W	5	-	o	5	3	51	44	c, op	or, opd	od, or	0.0	
	Hartland Quay																					*	
	Scilly (St. Mary's)	1020.3	48	SW	6	omd	1015.3	0	51	+8	WNW	6	-	omr	5	7	52	41	c, bc, c	cr	omr	0.6	
	Falmouth	1020.7	47	SSW	6	oeg	1014.1	-1	51	+13	W	7	-	rg	*	14	51	36	bc, b, bc	bar, op	rg	0.9	
	Jersey (St. Aubin)	1025.0	45	SW	3	c	1017.8	-1	50	+13	S	4	-	ogr	4	7	50	36	b	bc	g, ogr	5.5	
	Portland Bill	1021.8	45	SW	4	c	1012.3	-3	49	+9	WSW	5	-	og	4	4	49	40	bc	bcp	ch	*	
FRANCE, &c.	Dungeness	1023.1	41	WSW	3	b	1012.9	-6	46	+15	SSW	8	SW	r	7	1	46	29	b	b	bcgr	*	
	Wick	992.9	44	SSW	7	omg	989.3	0	34	-4	W	4	-	b	3	3	44	34	em, og	omg	omg	*	
	Nairn	994.5	43	W	3	cg	992.1	*	36	-1	W	1	-	bc	1	3	43	36	og	op, cqm	c, bcg	0.0	
	Aberdeen	999.7	42	SSW	6	og	993.8	+2	41	+8	WSW	4	-	bc	2	0.1	48	32	og	opbq	op, bc	0.0	
	Leith	1002.7	46	SW	5	o	996.5	0	43	+8	SW	6	-	b	4	0.4	51	35	c, o, c	q, op, o	cp, cqm	*	
	Tynemouth	1008.9	38	SW	4	om	999.4	+3	47	+15	SW	3	-	emg	4	0.4	44	31	f	bc	emg	*	
	Spurn Head	1016.6	37	SSW	4	bc	1004.0	-1	46	+13	SSW	4	-	cg	5	1	46	33	bc	bc	c, or, cqm	1.3	
	Yarmouth (Gorleston)	1020.9	33	WSW	4	b, msc	1009.8	-3	43	+10	SW	7	-	or	7	1	43	31	b, msc	b, m, bx	b, m, or	4.0	
	Clacton-on-Sea	1022.5	39	SW	3	bc	1011.3	-6	44	+13	SSW	5	-	ogr	4	1	44	30	b, bc	bc	bc, ogr	6.1	
	Nottingham	1017.7	39	SW	2	c	1005.4	*	49	+20	SW	3	SW	op	*	2	49	28	b, msc	b, bc	c, o	0.0	
IBERIA, &c.	Benson (Oxon.)	1020.8	37	SSW	3	b	1009.3	-3	48	+24	SSW	4	-	r	*	2	48	24	b	b	o	*	
	Sth Farnborough	1022.0	36	S	3	bc	1010.6	-3	48	+21	SW	6	-	orm	*	4	48	24	b, m, bc, b	b, bc	b, o, om	4.9	
	Salisbury Plain						1011.6	-3	50	+22	WSW	3	-	od	*	3	50	24			b, od, rd	*	
	London (Kew Obsy.)	1022.0	35	S	2	b	1010.7	-6	46	+16	SSW	4	-	or	*	3	47	29	b, m, bc	b, m, b	b, bc, or	3.6	
	Spitsbergen	1011.1	19	W	4	0	1007.5	0	18	-4	SE	2	-	o	*	19	14						
	Vardö	1008.8	16	SW	5	0	1007.8	0	23	+2	SW	2	-	b	3	*	23	16					
	Gjesvær	1007.8	30	NW	2	S	1007.0	-1	25		SE	2	-	b	3	2	30	21					
	Bodö	1006.3	21	E	4	b	993.6	-1	25	+7	E	5	-	c	2	-	25	18					
	Christiansund	1000.3	34	SW	4	c	979.9	-5	41	+5	SSW	5	-	c	3	-	41	34					
	Skudesnaes	1007.3	36	SE	9	o	988.0	-8?	41	+11	SW	7	-	r	6	18	41	30					
MEDITERRANEAN.	Færder (Xiania Fjord)	1016.0	27	-	0	c	997.6	-11	37	+9	SSW	10	-	r	5	2	37	25					
	The Scaw (Skagen)	1016.0	32	-	0	b	1002.1	-8	36	0	S	6	-	r	6	2	37	2					
	Blaavands Huk	1014.3	37	SW	3	c	1008.2	-8	39	+7	SW	7	-	r	*	1	41	28					
	Copenhagen	1020.2	34	WNW	1	o	1015.7	-7	36	0	WSW	4	-	c	*	-	36	30					
	Bornholm	1018.7	36	SW	3	S	1019.5	-2	32	-4	SW	6	-	c	1	Trace	36	30					
	The Helder	1021.7	37	S	2	r	1011.8	-4	37	-2	S	7	-	o	3	Trace	46	34					
	C. Gris Nez	1023.3	41	WSW	2	b	1014.7	-6	41	+2	S	6	-	r	*	*	45	37					
	La Hève	1025.6	46	W	3	bc	1019.0	-5	41	0	SW	5	-	o	*	-	48	37					
	Brest (St. Mathieu)	1025.9	48	SW	4	c	1020.0	-1	54	+8	WSW	4	-	o	*	2	?	?					
	Rochefort (Ile d'Aix)	1028.3	43	NE	2	b	1026.3	-1	43	+2	S	4	-	o	*	-	43	39					
MEDITERRANEAN.	Biarritz	1027.7	48	NE	4	bc	1027.8	-1	43	+4	ESE	1	-	c	*	1	48	37					
	Paris	1026.9	36	NNE	1	o	1024.7	-3	32	-2	S	2	-	c	*	-	41	30					
	Belfort						1028.4	*	28	0	ENE	3	-	o	*	-	39	28					
	Lyons	1026.0	32	N	2	o	1028.8	+1	30	-2	NNW	2	-	o	*	-	37	30					
	Nice	1014.9	41	E	2	b	1017.9	+1	37	-4	E	2	-	b	*	-	50	36					
	Perpignan	1021.7	41	NW	5	b	1017.5	+1	39	0	NW	5	-	b	*	-	43	37					
	Sanguinaire	1012.6	50	E	2	bc								*									
	Corunna	1030.9	50	-	0	bc	1030.3	0	48	+7	SW	1	-	o	1	-	52	41					
	Madrid													*									
	Lisbon													*									
MEDITERRANEAN.	Azores (Horta)		*										*										
	" (P. Delgada)	1031.9	*	S	3	o							*										
	Madeira	1028.2	61	NE	3	r	1028.7	0	59		NE	3	NE	bc	3	-	66	55					
	Gibraltar												*										
	Algiers	1021.0	46	NW	3	o	1023.3	+2	39	-6	W	3	-	c	4	5	52	39					
	Malta		*	*	*	*								*									
	Salonica		*	*	*	*								*									
	Athens		*	*	*	*								*									
	Candia		*	*	*	*								*									
	Limassol		*	*	*	*	1021.2	0	52	+4	?	1	-	b	0	-	66	46					
MEDITERRANEAN.	Alexandria		*	*	*	*								*									
	Cairo (Helwan)		*	*	*	*								*									
	Jerusalem		*	*	*	*								*									
	Ramleh		*	*	*	*								*									
	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																				

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	24.5-28.1
11	64-75	28.5-33.5
12	Above 76	33.6 or above

**BEAUFORT NOTATION.**  
b blue sky (not more than a quarter covered).  
bc sky partly cloudy (one half covered).  
c generally cloudy (three quarters covered).  
d drizzle, or fine rain.  
e wet air without rain falling.  
f fog. g gloom.  
h hail. i lightning.  
m mist.  
o overcast sky.  
p passing showers.  
q squalls.  
r rain.  
rs sleet, i.e. rain and snow together.  
s snow.  
t thunder.  
u ugly, threatening sky.  
v unusual visibility.  
w dew.  
x hoar frost.  
y dry air; humidity less than 60 per cent.  
z dust haze; the turbid atmosphere of dry weather.

\* Information for these columns not usually received.

+ Received too late for insertion in Charts

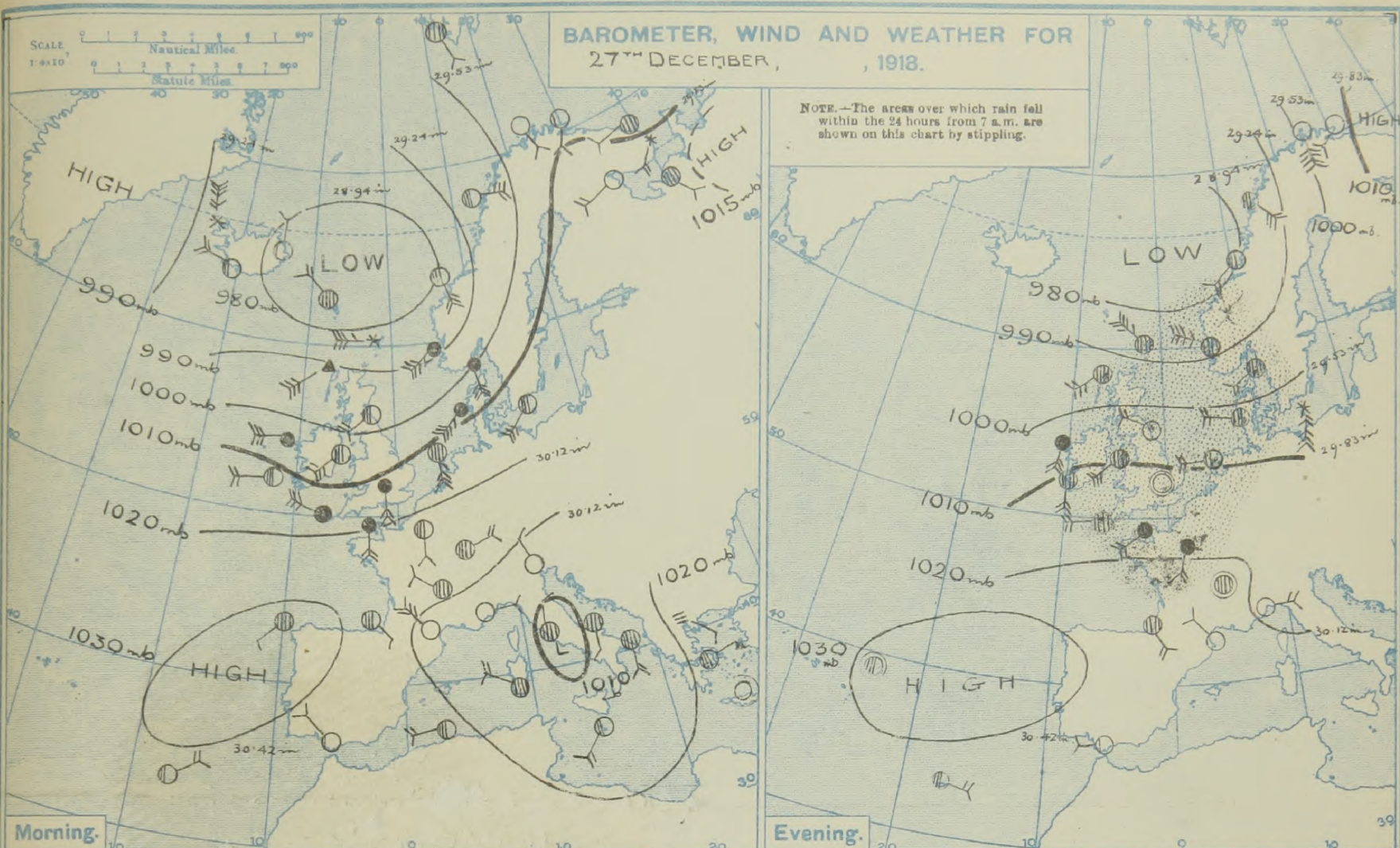
† The barometric change is expressed in half millibars



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,855. SATURDAY, 28<sup>TH</sup> DECEMBER, 1918.

## BAROMETER, WIND AND WEATHER FOR 27<sup>TH</sup> DECEMBER, 1918.



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

STATIONS.		EVENING OF 26th					MORNING OF 27th										MORNING OF 27th						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	Barom. at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.				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.	*F.				
RUSSIA.	Orlov ...	x	x	x	x	x	1014.7	-	25	-	SSW	3	S	-	x	x	Isafjord ...	989.3	23	-9	N	9	S
	Kem ...	x	x	x	x	x	1014.3	-	5	-	WNW	3	b	-	x	x	Reykjavik	988.3	25	-2	NW	7	0
	Archangel	x	x	x	x	x	1013.9	-	21	-	S	2	0	-	x	x	Vestmanna	984.4	23	-7	NW	4	bc
	Mesen...	x	x	x	x	x									x	x	Seydisfjord	978.6	25	-9	N	2	b
SWEDEN.	Haparanda							x						x	x	x	Thorshavn	975.9	33	-10	NW	3	0
	Hernösand							x						x	x	x							
	Stockholm							x						x	x	x							
	Wisby ...							x						x	x	x							
	Sordovalä							x						x	x	x							
	Hangö ...							x						x	x	x							
ITALY.	Venice ...							x															
	Turin ...							x															
	Pesaro ...							x															
	Leghorn							x															
	Rome ...	1007.7	45	NE	2	T	1009.8	x	45	-1	N	1	0	31	50	43	Yarmouth ...		8.6	11.55		3.44	
	Viesti ...	1011.3	52	NW	1	b	1013.3	x	50	-4	-	0	0	3	61	36	Greenwich ...		8.6	11.55		3.45	
	Brindisi ...	1013.0	59	SE	2	0	1012.9	x	59	-	SSE	3	0	-	57	52		8.8	12.2		3.56		
	Cagliari ...	1009.4	48	NNW	3	0	1015.1	x	48	-2	NW	3	0	-	59	43	Wick ...		8.8	12.2		3.57	
	Palermo ...							x										9.5	12.14		3.22		
	Tripoli ...							x										9.5	12.14		3.23		
							x										8.51	12.43		4.25			

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

28 <sup>th</sup> and 29 <sup>th</sup> Dec 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	8.6	11.55	3.44
Greenwich	...	8.8	12.2	3.56
Wick	...	9.5	12.14	3.22
Valencia	...	8.51	12.43	4.35

LONDON	HUMIDITY.		Sun-shine for 27 <sup>th</sup>	TEMPERATURE.				Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass			Morning.	Afternoon.	Night.
28 <sup>th</sup> Dec 1918 9h. G.M.T.	27 <sup>th</sup>	28 <sup>th</sup>	27 <sup>th</sup>	°F.	°F.	°F.	mm.				
GREENWICH (Royal Observatory)	89	87	0.0	53	44	36	1	od	0	od	
CITY (Bunhill Row)	x	x	-	x	x	x	x	x	x	x	
WESTMINSTER (St. James's Park)	-	-	-	53	45	36	0.4	x	x	x	
(Roof near Charing Cross)	77	86	0.0	53	35	x	0.2	omg	od, 0	og, od	
CAMDEN SQ. (British Rainfall)	-	89	0.0	53	44	35	1	-	-	-	
KENSINGTON PALACE	-	88	x	54	44	35	1	0	0	x	

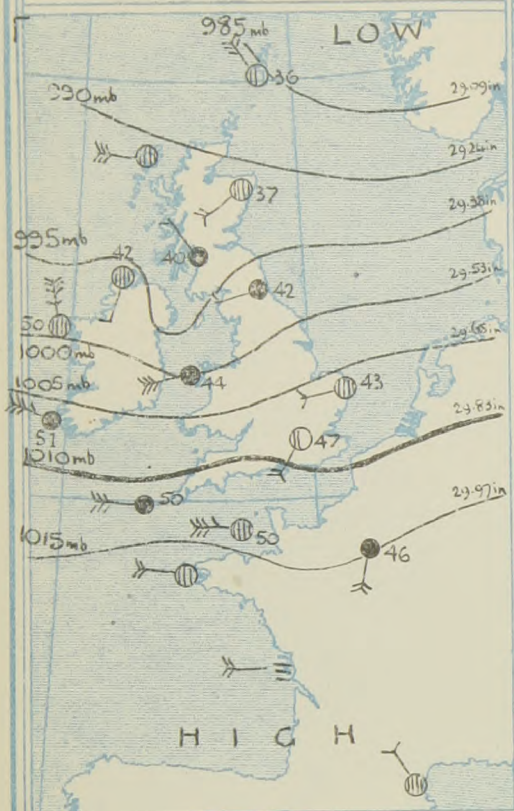
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 27 <sup>th</sup> .		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
-	-	-



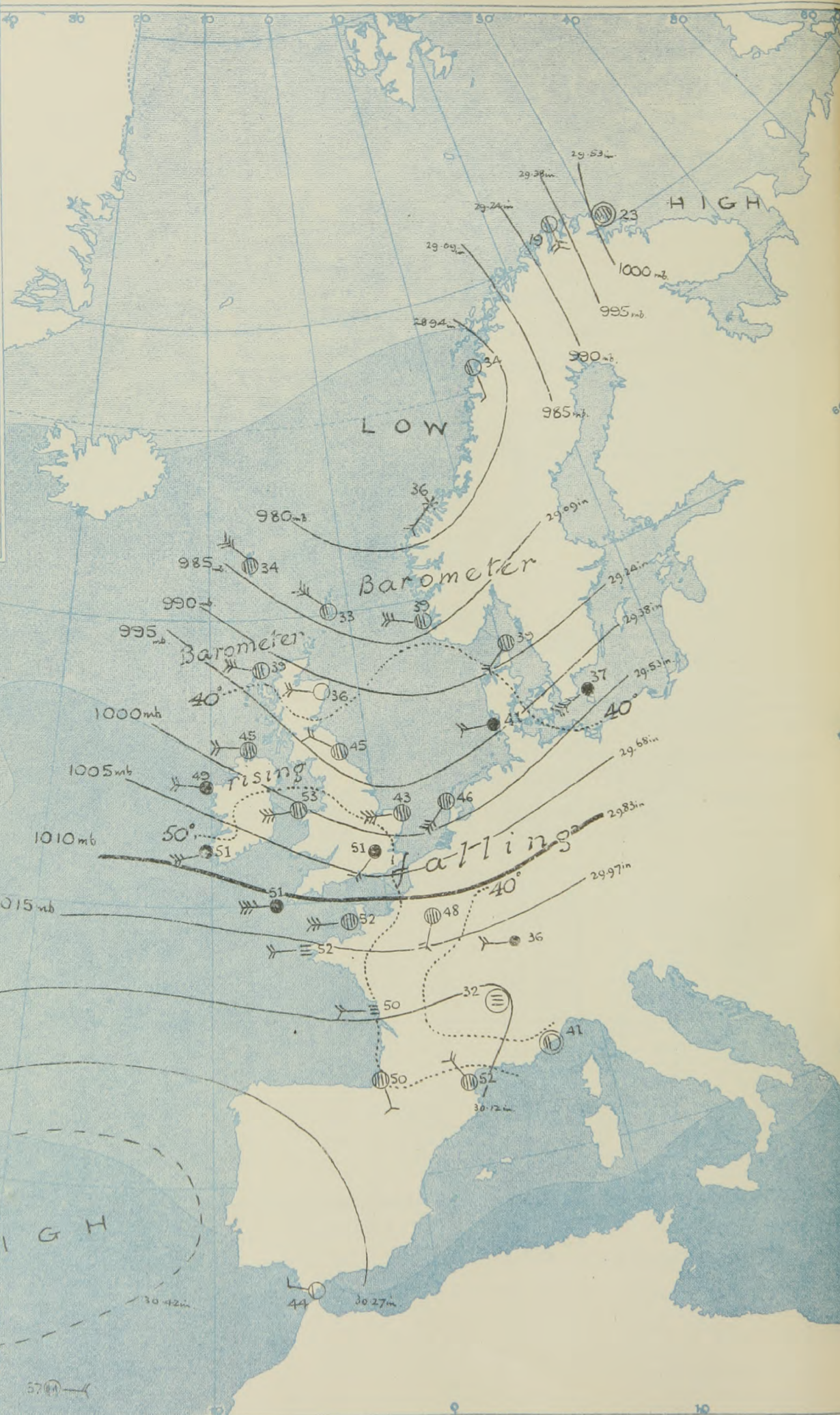
28th , DEC, at 1h. G.M.T.

THE MORNING OF Saturday, 28th DECEMBER 1918, at 7h. G.M.T.



#### EXPLANATION.

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



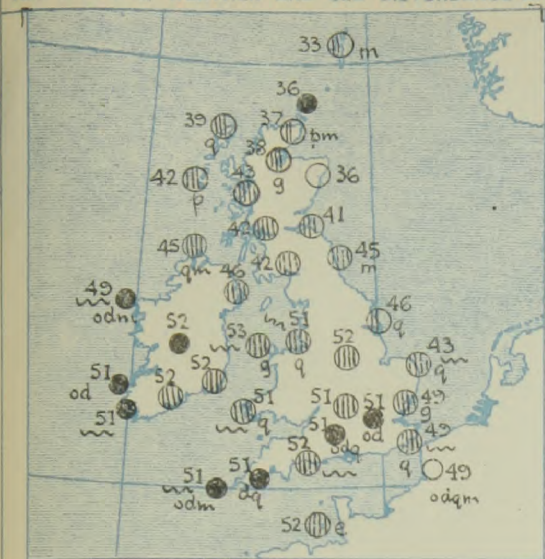
SCALE 1:250,000  
 Nautical Miles  
 Statute Miles

Normal Temperature of the Sea.

Below 40 40-50 50-60 Above 60

Scale of Tints for DECEMBER.





NOTES.

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

In Scotland temperature did not greatly exceed 40° during the 24 hours but further south mild conditions continued, with maximum temperatures which rose at most places to between 50° and 55°. Weather was generally dull while Portland Bill and Benson were the only British stations at which no measurable rain fell.

The Conditions at 7h. Today.

A depression off the Norwegian coast and relatively high pressure over Southern France lead to a general current from W. or NW. over the British Isles, which is strong at many stations. Weather is fair in parts of Scotland but further south there is much low cloud and a good deal of drizzling rain is reported. The North-Westerly wind current is causing low temperatures in Scotland and snow is falling at Christiansund.

Fog is reported from several stations in France.

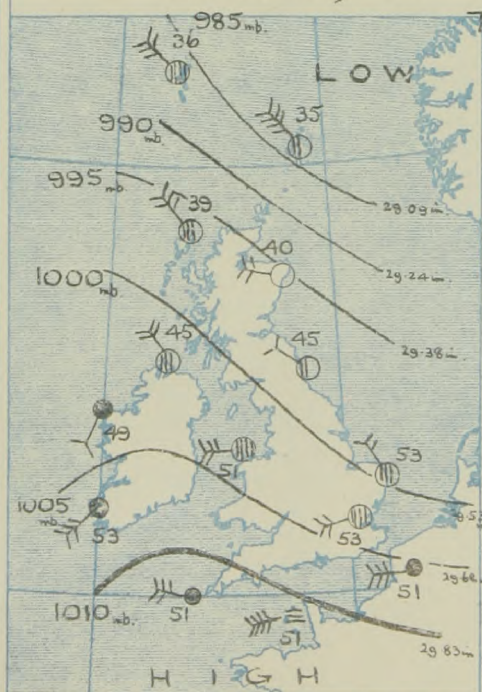
The Outlook

It seems probable that a Westerly type of conditions will be maintained. Secondary depressions passing eastward over the British Isles are likely to lead to a continuance of unsettled weather.



Saturday, 28<sup>th</sup>

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



(13 hours).

A fresh fall of the barometer has commenced in the West of Ireland indicating the approach of another disturbance from the Atlantic.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 362.

DATE: 28th DECEMBER 1918.

STATIONS.	EVENING OF 27th...					MORNING OF 28th...										24 HOURS ENDED 7th 28th...					Sun- shine for 27th Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 8 hours.	TEMP.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Dir.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	984.3	31	NW	1	omg	983.9	+2	33	-3	NW	5	-	berr	3	2	39	31	omgph	omgph	omgph	*
	Houman (Orkney) ...	988.5	39	W	9	bc	987.1	*	36	-2	NW	8	-	r	6	*	42	35	chq	c,og	o,chg	1.1
	Stornoway ...	993.9	42	WSW	5	oy	992.5	+3	39	+4	W	5	-	cg	4	7	42	35	chq	c,og	o,chg	0.8
	Castlebay (Barra Isd.) ...	998.2	43	WNW	4	of	996.7	+1	42	-1	NW	3	-	ch	4	6	43	40	c,og	c,og	o,chg	0.8
	Glasgow ...	1001.4	41	WSW	4	cg	995.4	+1	42	+1	W	3	-	o	*	6	42	39	c,og	c,og	o,chg	1.2
	Esksdalemuir ...	1002.6	41	WSW	5	bc	994.9	+3	42	+1	W	5	-	o	*	9	43	38	c,og	c,og	o,chg	0.4
	Malin Head ...	1001.7	44	WSW	5	omgph	996.0	+3	45	+1	W	4	-	omg	4	11	47	42	bcg	emg	omd	0.1
	Blacksod Point ...	1003.2	46	SSW	5	omr	1002.6	+3	49	+5	W	4	-	omd	6	8	50	43	omg	emg	omr,om	*
	Valencia (Cahirciveen) ...	1010.8	50	S	4	o	1008.3	0	51	+2	WSW	5	-	od	0	0.2	53	48	c,og	o	c,od	0.0
	Roche's Point ...	1012.4	48	SW	2	o	1007.0	-1	52	+4	W	4	-	o	4	0.1	53	47	c,og	c,og	o,chg	0.0
NORTHERN EUROPE.	Birr Castle ...	1007.8	46	SW	2	o	1002.5	*	52	+6	SW	3	-	r	3	52	45	o	o	odg	odg	0.0
	Donaghadee ...	1004.0	43	SW	4	ogmg	997.7	+4	46	+1	WNW	4	-	ogm	3	9	51	42	ogmg	ogm	ogmg	*
	Liverpool (Bidston) ...	1008.0	45	W	5	o	998.3	+1	51	+4	WSW	7	W	og	6	13	53	44	c,og	c,og	og	0.2
	Holyhead ...	1009.2	48	SW	5	og	1000.3	0	53	+5	WSW	6	-	og	5	6	53	46	c,og	c,og	og,odg	0.0
	Pembroke (St. Ann's) ...	1012.8	49	W	3	od	1005.2	0	51	0	WSW	6	-	og	5	0.4	51	47	c,og	c,og	od,og	0.5
	Hartland Quay ...	1016.3	48	WNW	4	o	1011.9	-1	51	0	W	7	-	omd	5	1	52	46	omf	feov	feomd	0.0
	Scilly (St. Mary's) ...	1015.1	46	WSW	3	b	1010.4	-2	51	0	SW	7	-	dg	*	1	52	45	dq,c	c,og	odg	0.2
	Falmouth ...	1016.5	52	WSW	4	odm	1012.2	-1	52	+2	W	6	-	oe	4	5	53	49	odm	odm	od,oe	0.0
	Portland Bill ...	1013.2	50	WNW	3	c	1007.0	-2	52	+3	WSW	6	-	o	5	-	52	47	c,og	c	e,og	*
	Dungeness ...	1011.1	48	WSW	3	c	1003.6	-3	49	+3	WSW	7	-	og	5	2	49	45	rgo	o,c	c,og	*
FRANCE, &c.	Wick ...	992.6	35	W	4	berr	989.7	+1	37	+3	WNW	3	-	berr	3	8	39	33	berr	berr	berr	*
	Nairn ...	995.5	38	WNW	2	bc	991.6	*	38	+2	WNW	2	-	cg	2	2	40	35	qfrc	ch, bc	berr	0.8
	Aberdeen ...	996.7	38	SW	3	b	991.5	-1	36	-5	SW	2	-	b	2	0.3	42	36	berr	berr	berr	2.4
	Leith ...	999.5	41	W	4	bc	993.6	0	41	-2	SW	2	SW	c	2	1	43	40	berr	berr	berr	*
	Tynemouth ...	1003.0	43	WNW	3	bm	993.2	0	45	-2	NW	3	-	om	2	2	47	41	c	berr	omr	*
	Spurn Head ...	1007.5	43	WSW	3	cg	995.0	0	46	0	W	4	-	bcg	4	2	47	42	cg	cg	bcg	0.0
	Yarmouth (Gorleston) ...	1009.4	45	NW	3	b	999.1	-7	43	0	W	6	-	og	5	7	50	38	or, omf	omr, berr	berr	0.0
	Clacton-on-Sea ...	1011.0	46	W	3	o	1001.7	-4	49	+5	W	4	-	og	3	4	49	42	ogmd	ogm	og	0.0
	Nottingham ...	1009.4	45	W	2	o	998.3	*	52	+3	W	3	W	og	*	3	52	43	og, c	og	og, c	0.0
	Benson (Oxon.) ...	1010.3	50	SW	1	o	1003.6	0	51	+3	WSW	4	-	o	*	-	52	42	o	o	o, c	*
IBERIA, &c.	Sth Farnborough ...	1004.4	46	WSW	2	o	1004.4	-2	50	+2	W	6	-	o	*	0.3	52	43	o	o	og, bc, od	0.0
	Salisbury Plain ...	1013.0	46	WSW	2	o	1005.7	-3	51	+1	WSW	5	-	odg	*	0.2	51	43	odg, od	o	og, og	*
	London (Kew Obsy.) ...	1011.9	46	-	0	b	1003.7	-2	51	+5	SW	4	-	od	*	1	52	44	or, od, r	og, bc, b	berr	0.0
	Spitsbergen ...	1009.2	14	SW	2	b	1001.6	-5	23	0	-	0	-	o	3	*	23	12				
	Vardö ...	1000.3	19	S	8	b	993.9	*	19	-6	S	4	-	bc	2	-	23	18				
	Gjesvær ...	993.8	34	ESE	5	c	978.3	-1	34	+9	S	1	-	bc	1	-	34	19				
	Bodö ...	980.2	36	SW	3	c	978.9	-3	36	-5	SW	3	-	s	3	2	41	30				
	Christiansund ...	987.8	37	WNW	8	o	984.4	-3	39	-2	W	5	-	c	5	5	41	34				
	Skudesnaes ...	985.3	39	SW	7	b	985.7	-1	39	+2	WSW	6	-	o	4	5	41	34				
	Færder (X'ania Fjord) ...	992.7	39	SW	3	o	989.0	-3	39	+3	SW	3	-	o	3	6	39	27				
MEDITERRANEAN.	The Scaw (Skagen) ...	1001.2	43	W	4	c	994.1	-6	41	+2	W	3	-	r	*	6	45	27				
	Blaavands Huk ...	1002.0	34	SW	7	s	996.4	-5	37	+1	SW	4	-	r	*	3	37	32				
	Copenhagen ...	1005.2	32	SSW	9	s	999.0	-3	37	+5	WSW	7	-	r	2	5	37	30				
	Bornholm ...	1007.3	45	W	4	bc	996.7	-8	46	+9	SW	6	-	o	4	8	46	37				
	The Helder ...	1010.9	50	WSW	5	o	1004.2	-5	50	+4	SW	7	*	r	*	5	50	41				
	C. Gris Nez ...	1015.8	46	SSW	5	f	1012.3	-1	48	+7	WSW	5	*	o	*	4	50	41				
	La Hève ...	1016.9	52	WSW	4	f	1017.2	-1	52	-2	W	4	*	f	*	Trace	51	50				
	Brest (St. Mathieu) ...	1022.7	52	W	4	o	1019.9	-1	50	+7	W	3	*	f	*	6	52	43				
	Rochefort (Ile d'Aix) ...	1025.9	48	SE	3	o	1023.0	-1	50	+7	SSW	2	*	o	*	-	50	43				
	Biarritz ...	1018.1	39	SSW	3	r	1013.1	-2	48	+16	SSW	3	*	o	*	9	48	32				
MEDITERRANEAN.	Paris ...	1024.8	28	NE	3	o	1018.7	*	36	+8	W	3	*	r	*	36	27					
	Belfort ...	1026.0	28	ESE	1	o	1021.9	+2	32	+2	SW	1	*	f	*	Trace	36	28				
	Lyons ...	1017.0	43	E	3	b	1016.3	-1	41	+4	-	0	*	bc	*	-	50	37				
	Nice ...	1022.3	46	NW	2	b	1020.7	0	52	+13	NW	3	*	o	*	-	50	39				
	Perpignan ...	1029.1	*	S	5	o	1028.3	-1	61	-	S	5	*	o	3	-	64	61				
	Sanguinaire ...	1030.7	*	-	0	c	1029.1	0	57	-2	E	3	NE	o	3	-	64	50				
	Corunna ...	1028.0	61	ENE	3	c	1027.1	*	44	?	WNW	1	*	b	2	-	60	42				
	Madrid ...	1027.7	49	W	2	b	1027.1	*	44	?	WNW	1	*	b	2	-	60	42				
	Lisbon ...	1027.7	49	W	2	b	1027.1	*	44	?	WNW	1	*	b	2	-	60	42				
	Azores (Horta) ...	1029.1	*	S	5	o	1028.3	-1	61	-	S	5	*	o	3	-	64	61				
MEDITERRANEAN.	Alger ...	1027.7	49	W	2	b	1027.1	*	44	?	WNW	1	*	b	2	-	60	42				
	Malta ...	1027.7	49	W	2	b	1027.1	*	44	?	WNW	1	*	b	2	-	60	42				
	Salonica ...	1027.7	49	W	2	b	1027.1	*	44	?	WNW	1	*	b	2	-	60	42				
	Athens ...	1027.7	49	W	2	b	1027.1	*	44	?	WNW	1	*	b	2	-	60	42				
	Candia ...	1027.7	49	W	2	b	1027.1	*	44	?	WNW	1	*	b	2	-	60	42				
	Limassol ...	1027.7	49	W	2	b	1027.1	*	44	?	WNW	1	*	b	2	-	60	42				
	Alexandria ...	1027.7	49	W	2	b	1027.1	*	44	?	WNW	1	*	b	2	-	60	42				
	Cairo (Helwan) ...	1027.7	49	W	2	b	1027.1	*	44	?	WNW	1	*	b	2	-	60	42				

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	28.2-33.5
12	Above 76	33.6 or above

**BEAUFORT NOTATION.**

b blue sky (not more than a quarter covered).

bc sky partly cloudy (one half covered).

c generally cloudy (three quarters covered).

d drizzle, or fine rain.

e wet air without rain falling.

f fog. g gloom.

h hail. i lightning.

m mist.

o overcast sky.

p passing showers.

q squalls.

r rain.

rs sleet, i.e., rain and snow together.

s snow.

t thunder.

u ugly, threatening sky.

v unusual visibility.

w dew.

x hoar frost.

y dry air; humidity less than 60 per cent.

z dust haze; the turbid atmosphere of dry weather.

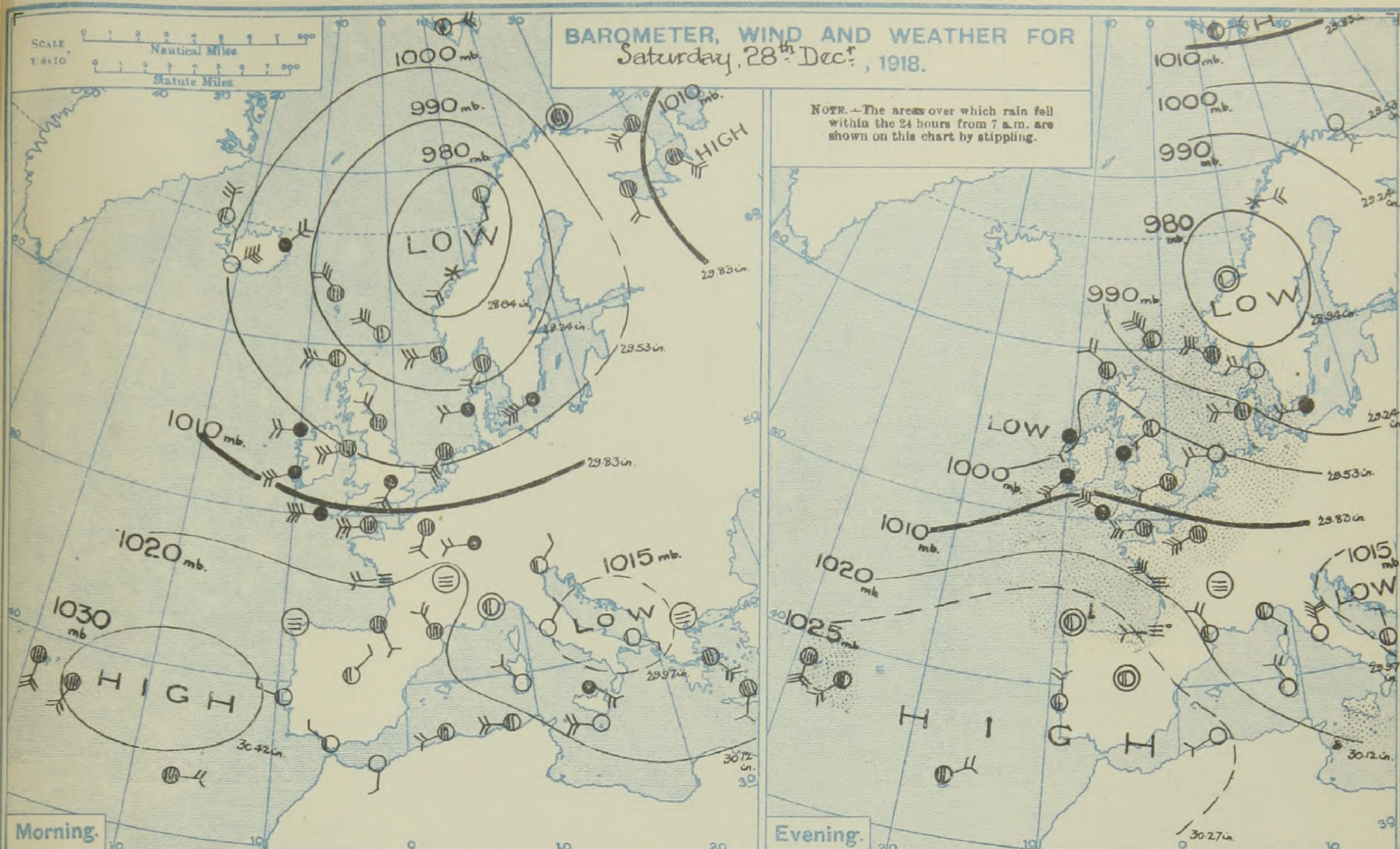
\* Information for these columns not usually received. + Received too late for insertion in



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20856

Sunday, 29<sup>th</sup> December, 1918.



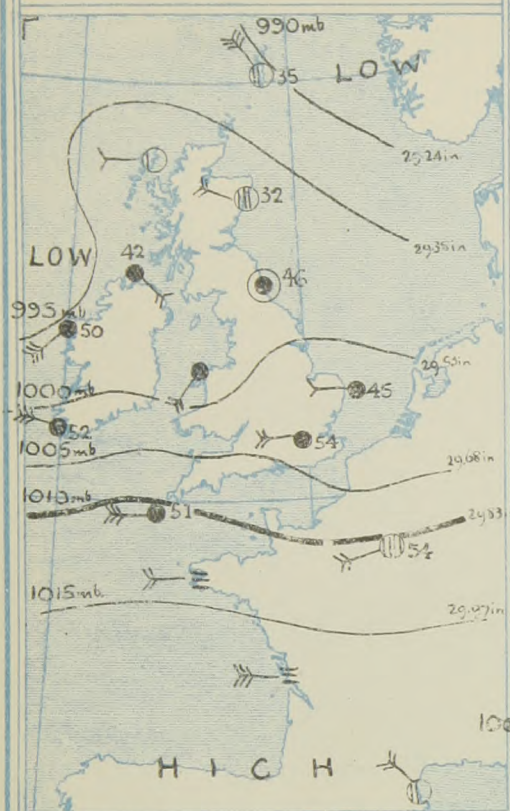
## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF DECEMBER 28<sup>TH</sup>

STATIONS.	EVENING OF... 27 <sup>TH</sup>					MORNING OF... 28 <sup>TH</sup>										MORNING OF... 28 <sup>TH</sup>							
	Barom. Milli-bars at M.S.L.	Temp. °F.	Wind Direc.	Force 0-12.	Weather.	Barometer. 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.	Temp. Min. °F.	Iceland. Barom. Milli-bars at M.S.L.	Temp. Dry Bulb. °F.	Change in 24 hours. °F.	Wind Direc.	Force 0-12.	Weather.		
RUSSIA.																							
Orlov ...	*	*	*	*	*									*	*		Isafjord ...	1006.4	23	0	N	5	bc
Kem ...	*	*	*	*	*									*	*		Reykjavik	1003.1	19	-6	-	0	b
Archangel ...	*	*	*	*	*									*	*		Vestmanna	999.8	28	+5	NE	7	b
Mesen...	*	*	*	*	*									*	*		Seydisfjord	997.2	34	+9	NE	4	tlr
SWEDEN.																	Thorshavn	984.0	34	+1	NW	5	o
Haparanda ...							*						*	*	*								
Hernösand ...							*						*	*	*								
Stockholm ...							*						*	*	*								
Wisby ...							*				</												



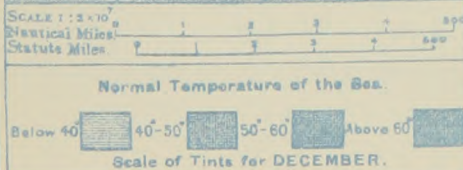
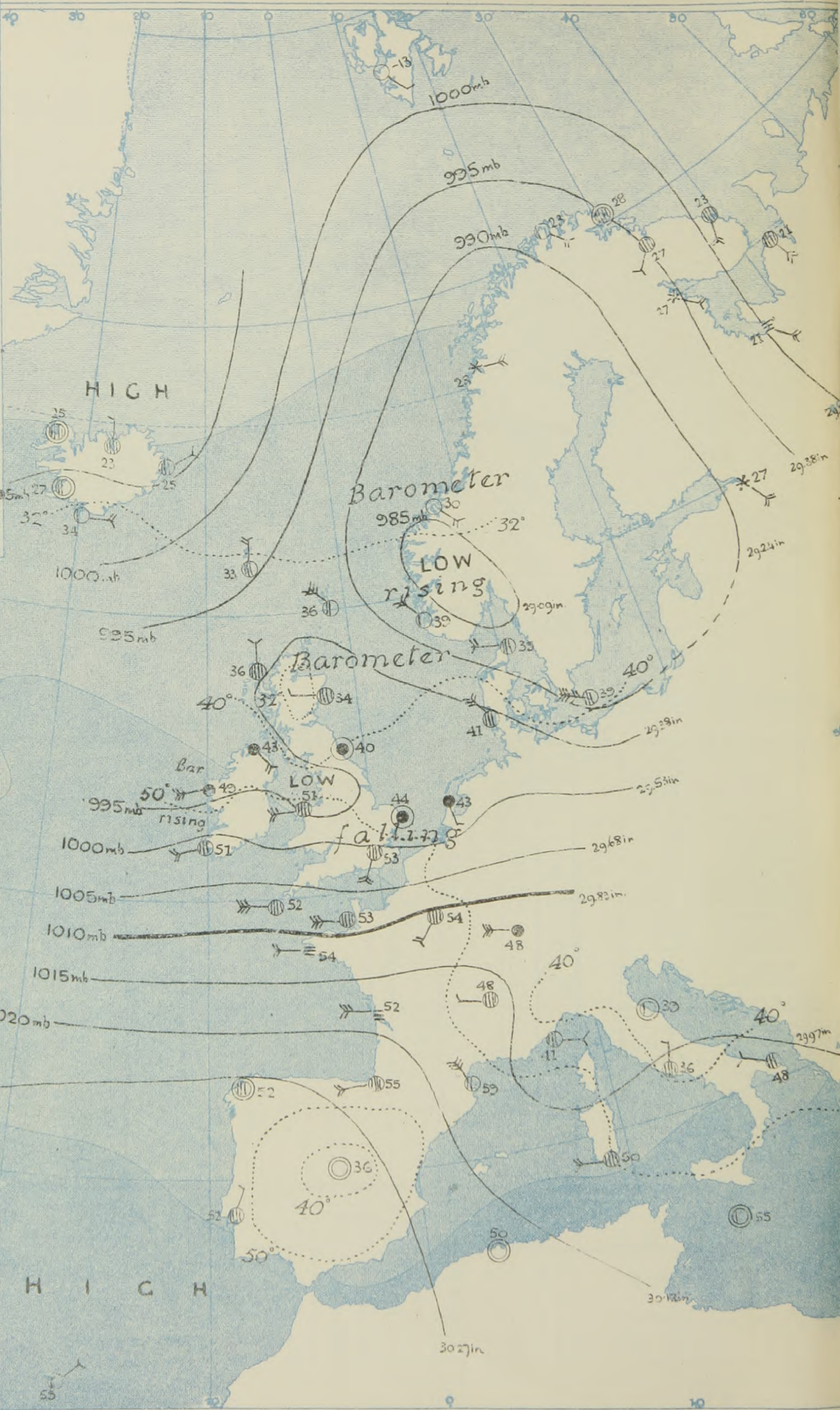
, DEC, at 1h. G.M.T.

THE MORNING OF 29<sup>TH</sup> DECEMBER DECEMBER 1918, at 7h. G.M.T.

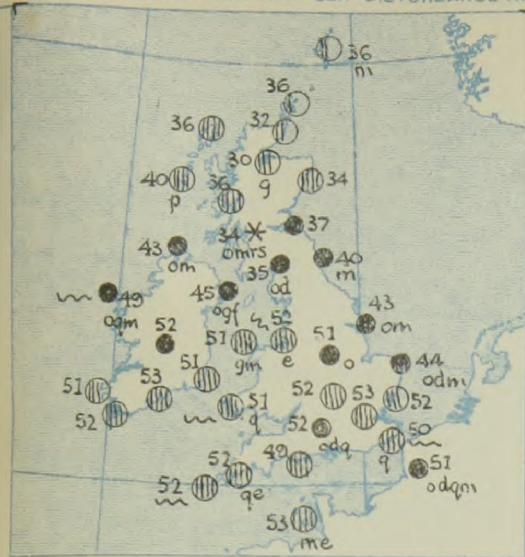


# EXPLANATION.

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







NOTES.

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

Excepting in the extreme north temperature was again considerably in excess of the normal, both afternoon and night, several south-western minima exceeding  $50^{\circ}$ . Rainfall, though general, was very unequally distributed, ranging up to 21mm on Salisbury Plain, and 22 mm at Ireland Liverpool. The day was practically sunless in England and while in Scotland the records ranged up to 3h hours at Aberdeen.

The Conditions at 7h to-day.

Pressure remains high over Spain, and a depression is situated over Southern Norway. Over Scotland pressure has become irregular, with light variable winds; a small depression is approaching from the westward. Over the southern half of the Kingdom winds remain fresh or strong from the west, and are high locally: There is much low cloud over the country, and rain is falling in many parts; sleet is reported at Glasgow. A depression is still shown over the Central Mediterranean.

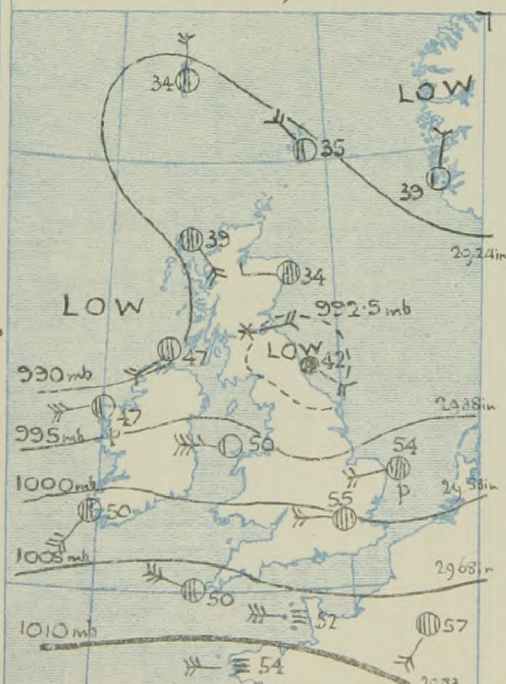
The afternoon map (13h) given below shows that the situation was undergoing only some minor variations, the unsettled conditions being likely to continue.

H.N.



Sunday, 29<sup>th</sup>.

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



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

H.G. LYONS, Col., Director.

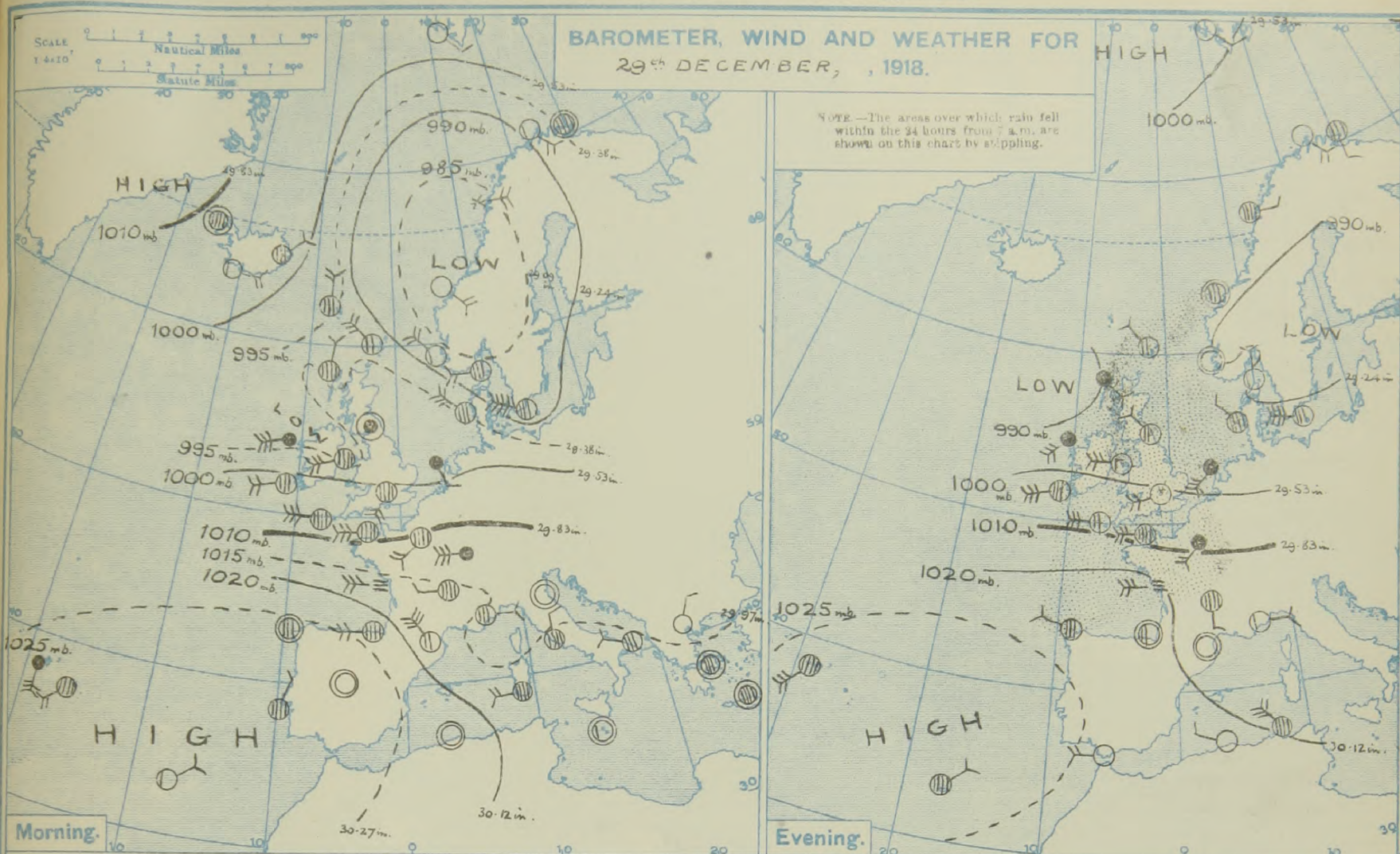


STATIONS.	EVENING OF 28 <sup>TH</sup> .					MORNING OF 29 <sup>TH</sup> .										24 HOURS ENDED 7 h. 29 <sup>TH</sup> .						Sun- shine for 28 <sup>TH</sup> Hours.				
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.	WIND.		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 ...	998.6	36	NNW	7	cmg	993.3	+2	36	+3	NW	5	-	bcm	3	5	37	33	cmg-ph	cmg-ph	bcm	*				
	Houfn Bay ...	992.6	37	WNW	9	c	995.3	*	36	0	NW	2	-	b	4	*	*	*	*	*	*	*				
	Stornoway ...	999.0	37	NW	3	c	994.5	-3	36	-3	NNW	2	-	o	2	1	39	34	c	cr	bc o	2.0				
	Castlebay (Barraisd.)	1000.9	41	NW	1	c	993.2	-6	40	-2	E	4	-	op	4	TRACE	44	39	cpac	c.o.c	c.o.b.p	0.4				
	Glasgow ...	1000.8	39	SW	3	bz	996.3	-3	34	-8	E	1	-	omrs	*	2	42	33	c.o.b.c	c.o.p.bz	b.omrs	1.6				
	Eskdalemuir ...	1001.3	38	S	1	c	995.4	-4	35	-7	N	2	-	od	*	1	42	34	c.o.v.bc	b.c.v.c	c.o.e.d	1.9				
	Malin Head ...	1000.3	44	-	0	or	990.3	-5	43	-2	SE	3	-	omr	3	12	47	42	cp	om	omr	0.0				
	Blacksod Point ...	998.8	50	SSW	2	ofr	993.5	+2	49	0	WSW	6	-	omgr	5	17	51	45	ofp	ofr	or-omr	*				
	Valencia (Cahirveen)	1006.5	52	SW	5	r	1002.0	+1	51	0	WSW	4	-	c	*	2	53	51	od	od	od.ro	0.0				
	Roche's Point ...	1006.7	53	WSW	4	o	1001.9	-1	53	+1	WNW	3	-	o	4	0.2	54	52	o	c.o.o	o.p.o	*				
BRITISH ISLANDS.	Birr Castle ...	1001.8	52	SW	1	r	996.3	*	52	0	SW	3	-	r	*	9	52	51	or.od	or	or	0.0				
	Donaghadee ...	1002.5	45	WSW	2	ogmr	992.9	-4	45	-1	SW	1	-	ogfr	1	16	47	42	ogm	cm-ogm	ogfr	*				
	Liverpool (Bidston)	1002.8	46	W	1	r	994.7	-2	52	+1	WSW	5	-	oer	5	22	53	45	c.or	op.qc	orq	0.3				
	Holyhead ...	1002.9	50	WSW	4	odm	996.0	0	51	-2	WSW	5	-	omg	3	8	53	48	op.cp	c.o.odm	odmo	0.0				
	Pembroke (St. Ann's)	1006.5	51	W	4	opd	1001.7	-1	51	0	WSW	6	-	og	5	2	?	?	ogp	o.opd	od.oga	*				
	Hartland Quay ...																					*				
	Scilly (St. Mary's)	1012.1	51	WNW	6	omd	1008.1	-2	52	+1	W	6	-	o	6	1	52	51	omd	omd	op.fyfm	0.0				
	Falmouth ...	1010.5	52	WSW	7	odmq	1006.6	-3	52	+1	W	7	-	veg	*	3	52	51	eq	eq.odm	orqeq	0.0				
	Jersey (St. Aubin)	1012.6	52	W	6	pem	1009.4	-1	53	+1	W	6	-	oem	4	1	53	52	oem	oem	doem	0.0				
	Portland Bill ...	1008.1	50	WSW	4	c	1004.2	-2	49	-3	WSW	6	-	o	4	0.4	53	48	c.o.c	c	c.o.p	*				
BRITISH ISLANDS.	Dungeness ...	1005.3	49	WSW	4	o	1001.8	-2	50	+1	WSW	7	-	og	6	1	50	48	od.qc	cq.c	orad.o	*				
	Wick ...	995.2	36	WNW	4	bcmp	996.0	-1	32	-5	W	2	-	bc	2	1	39	32	bcmp	bcmp	bcmp	*				
	Nairn ...	998.1	36	WNW	1	bc	995.4	*	30	-8	-	0	-	cg	1	-	40	29	c.bc	bc	b.cxc	0.5				
	Aberdeen ...	998.0	37	SW	3	b	996.0	-1	34	-2	W	1	-	o	2	0.2	40	32	cp.bv	bv.b	b.b.c.o	3.4				
	Leith ...	999.2	39	W	2	bc	996.1	-1	37	-4	E	1	-	r	2	0.3	44	37	c.b.c.c	c.bc	bcx.od	*				
	Tynemouth ...	1000.0	45	SW	2	bcm	996.0	-3	40	-5	-	0	-	omr	2	3	46	39	cm	bcm	omr	*				
	Spurn Head ...	1001.6	46	W	3	bc	996.6	-2	43	-3	WSW	3	-	orm	3	5	47	42	cq	c	orm	0.8				
	Yarmouth (Gorleston)	1004.0	48	NW	3	om	999.5	-3	44	+1	-	0	-	omd	3	7	54	43	omq.cm	cm.om	omp	0.0				
	Clacton-on-Sea ...	1003.8	51	W	3	cm	999.7	-1	52	+3	W	4	-	c	3	1	52	45	ogm	a.cm	c.or	0.0				
	Nottingham ...	1003.7	49	W	2	or	996.4	*	51	-1	W	2	-	or	*	17	53	44	odm	or	odr	0.0				
NORTHERN EUROPE.	Benson (Oxon.) ...	1005.7	50	W	1	r	1000.6	-1	52	+1	SW	3	-	o	*	4	53	48	o	o	or	*				
	Sth Farnborough ...						1002.1	-2	52	+2	SW	5	-	otm	*	1	53	50			o.b.c	0.0				
	Salisbury Plain ...	1007.2	50	WSW	4	o	1003.2	-2	52	+1	W	5	-	odq	*	21	52	49	odq.ogo	o.odo	odq.ro	*				
	London (Kew Obsy.)	1006.3	52	WSW	2	o	1001.2	-1	53	+1	SW	4	-	o	*	4	53	50	odp	o.odo	o.odo	0.0				
	Spitsbergen ...	1010.6	-2	E	2	c	1004.3	-1	-13	?	SE	1	*	b	*	*	-2	-17	THE BEAUFORT SCALE OF WIND FORCE.							
	Vardö ...	995.8	27	S	2	o	995.3	0	28	+5	-	0	-	o	2	*	28	10								
	Gjesvær ...	991.4	23	SE	4	bc	990.9	*	23	+4	SE	3	-	b	2	-	23	19	Limits of Velocity.		No.		Statute miles per hour.		Metres per second.	
	Bodö ...	980.3	20	E	4	o	997.5	+1	28	-6	E	4	-	s	2	-	30	27								
	Christiansund ...	1016.4	37	-	0	b	985.6	+4	30	-6	SE	3	-	b	3	-	37	27	0		Less than 1		Less than 0.3			
	Skudesnaes ...	983.5	34	WNW	5	o	987.7	+2	39	0	NW	4	-	b	4	4	39	28								
Færder (X'ania Fjord)	981.5	36	WSW	2	b	983.4	+1	37	-2	NW	1	-	o	3	-	39	36	1		1-8		0.3-1.6				
The Scaw (Skagen)	982.7	37	WNW	3	b	985.5	+1	39	0	W	3	-	c	3	6	39	36									
Blaavands Huk ...	991.3	39	WNW	4	o	995.8	-1	41	0	NW	5	-	c	*	4	43	36	2		4-7		1.6-3.3				
Copenhagen ...	986.7	39	W	3	r	990.6	+2	37	0	W	3	-	bc	*	2	46	36									
FRANCE, &c.	Bornholm ...	987.0	37	W	3	r	989.0	+1	39	+2	WNW	10	-	c	2	7	34	36	3		8-12		3.4-5.4			
	The Helder ...	1000.3	45	W	3	b	998.3	-2	43	-3	SSW	1	-	r	2	1	50	43								
	C. Gris Nez ...	1006.0	50	WSW	6	o	1002.3	-1	52	+2	WSW	7	-	o	*	10	52	48	4		13-18		5.5-7.9			
	La Hève ...	1011.0	50	WSW	6	r	1009.2	-1	50	+2	WSW	6	-	o	*	2	50	50								
	Brest (St. Mathieu)	1016.4	54	W	4	f	1013.1	-1	54	+2	W	4	-	f	*	Trace	55	52	5		19-24		8.0-10.7			
	Rochefort (Ile d'Alx)	1019.8	52	NW	6	f	1018.7	-1	52	+2	W	5	-	f	*	1	54	52								
	Biarritz ...	1024.6	57	W	2	m	1023.4	0	55	+5	WSW	4	-	o	*	5	55	54	6		25-31		10.8-13.8			
	Paris ...	1010.9	54	WSW	2	o	1010.6	-1	54	+6	SW	3	-	o	*	1	54	48								
	Belfort ...	1012.4	43	WSW	6	r	1012.3	*	43	+12	W	6	-	r	*	21	?	?	7		32-38		13.9-17.1			
	Lyons ...	1018.7	41	-	0	f	1017.2	0	46	+14	W	1	-	o	*	1	52	32								
IBERIA, &c.	Nice ...	1015.1	43	SE	1	bc	1013.6	+1	41	0	E	2	-	c	*	-	48	39	8		39-46		17.2-20.7			
	Perpignan ...	1019																								



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,857 MONDAY, 30<sup>th</sup> DECEMBER, 1918.



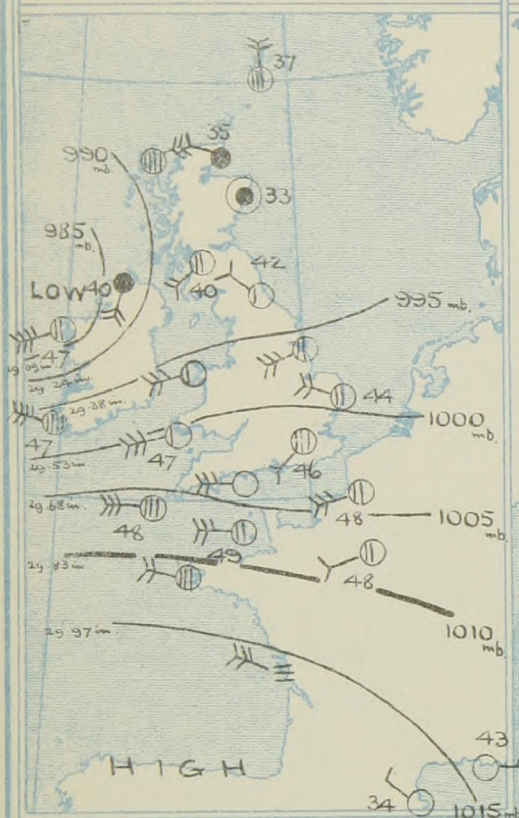
## WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 29<sup>th</sup> DECEMBER.

STATIONS.	EVENING OF 28 <sup>th</sup>					MORNING OF 29 <sup>th</sup>										MORNING 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.	Temp. Min. °F.	ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb °F.	Change in 24 hours.	Wind Direc.	Force 0-12.	Weather.
RUSSIA.	Orlov ...	x	x	x	x	1002.7	-	23	-	SSE	4	o	-	x	x	Isafjord ...	1009.0	25	+2	-	o	o
	Kem ...	x	x	x	x	996.7	-	23	-	SSE	6	o	-	x	x	Reykjavik	1004.6	27	+8	-	o	b
	Archangel ...	x	x	x	x	1004.2	-	23	-	S	4	o	-	x	x	Vestmanna	1003.1	34	+6	E	3	b
	Mesen ...	x	x	x	x									x	x	Seydisfjord	1006.6	25	-9	NE	2	c
SWEDEN.	Haparanda ...													x	x	Thorshavn	995.5	33	-1	N	3	c
	Hernösand ...													x	x	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.						
	Stockholm ...													x	x							
	Wisby ...													x	x	30 <sup>th</sup> Dec. 1918.	Sunrise.	Noon.	Sunset.			
	Sordovala ...													x	x		G.M.T.	G.M.T.	G.M.T.			
ITALY.	Hangö ...													x	x	Yarmouth ...	8.6	11.56	3.46			
	Venice ...					1014.2	x	32	+2	-	o	c	-	37	30	Greenwich ...	8.8	12.3	3.58			
	Turin ...	1014.6	34	-	o	1013.9	x	39	-7	-	o	b	-	46	32	Wick ...	9.5	12.15	3.24			
	Pesaro ...	1014.7	36	-	o	1013.7	x	45	+4	E	1	o	-	54	41	Valencia ...	8.51	12.44	4.37			
	Leghorn ...	1015.3	48	E	1	1015.8	x	36	-3	N	1	o	-	50	36							
	Rome ...	1016.3	43	N	7	1015.2	x	43	+2	WNW	2	c	6	57	46							
	Viesti ...																					



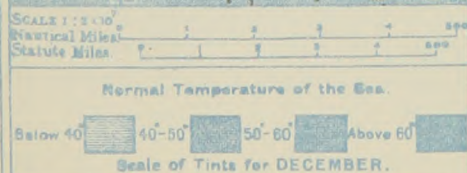
30<sup>th</sup> DEC, at 1h. G.M.T.

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



# EXPLANATION.

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





LOUGH FOYLE.  
SW. by S. 8 @ 17 h. 29<sup>th</sup>.  
W.S.W. 8 10 @ 12 h.  
(29<sup>th</sup>.)

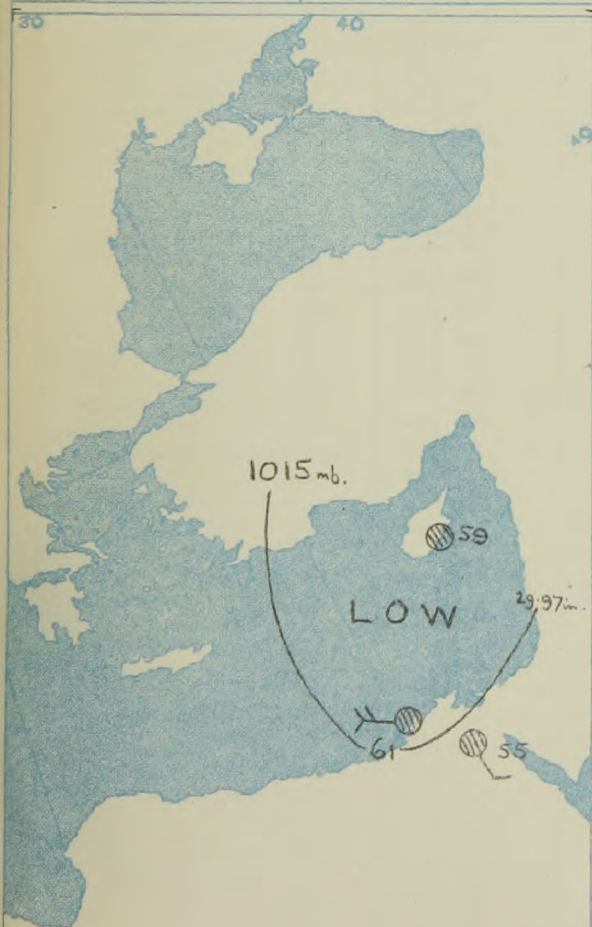
FALMOUTH  
W. 8 @ 187. (29<sup>th</sup>)

Temperature rose to a high figure in nearly all parts of England and Ireland, maxima above 50° being reported generally, and 54° or 55° in the Midlands and South. In Scotland the day was colder; at Nairn the maximum temperature was 34° and at Aberdeen 36°; slight frost occurred at these stations during the night. Little or no bright sunshine was recorded except in Ireland, Wales, and the NW of England; at Pembroke the value was 3.6 hrs. Rain fell in most places, the largest amounts being 10 mm. in the SW of Scotland, and 9 mm at Tynemouth. In the SE of England the fall was very slight.

A depression of moderate to slight intensity has appeared over Northern Ireland from the Atlantic, and pressure is relatively low in an extensive area comprising Scandinavia and the Baltic. The highest readings are over the Azores-Madeira region. The wind is high from NNW at Blacksod Point, immediately in the rear of the centre of lowest pressure, and moderate to strong from W and SW in the S. of Ireland and in the SW of Grt. Britain. Rain is falling in various parts of Scotland and Ireland, but in England the weather is at present dry, and the sky variable.

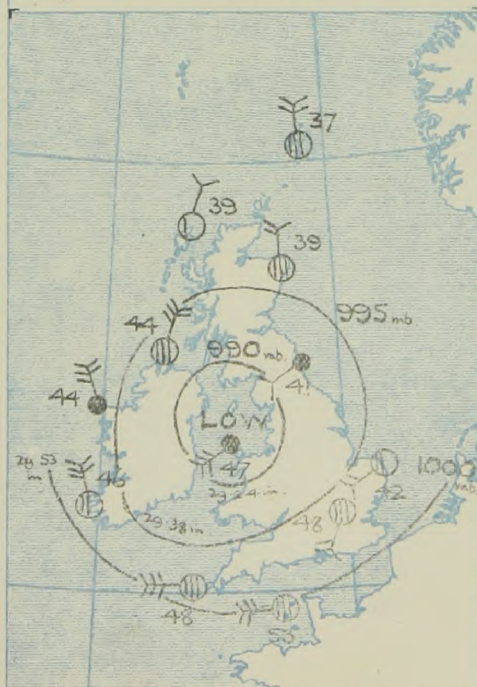
The fresh depression will probably move rather slowly in an easterly direction, but with the general distribution of pressure still obtaining, it is likely to be followed by other disturbances.

142



MONDAY, 30<sup>th</sup>

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



The depression is moving slowly eastward as anticipated, and is now centred over the Irish Sea.



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No 364

MONDAY,  
30<sup>TH</sup> DECEMBER

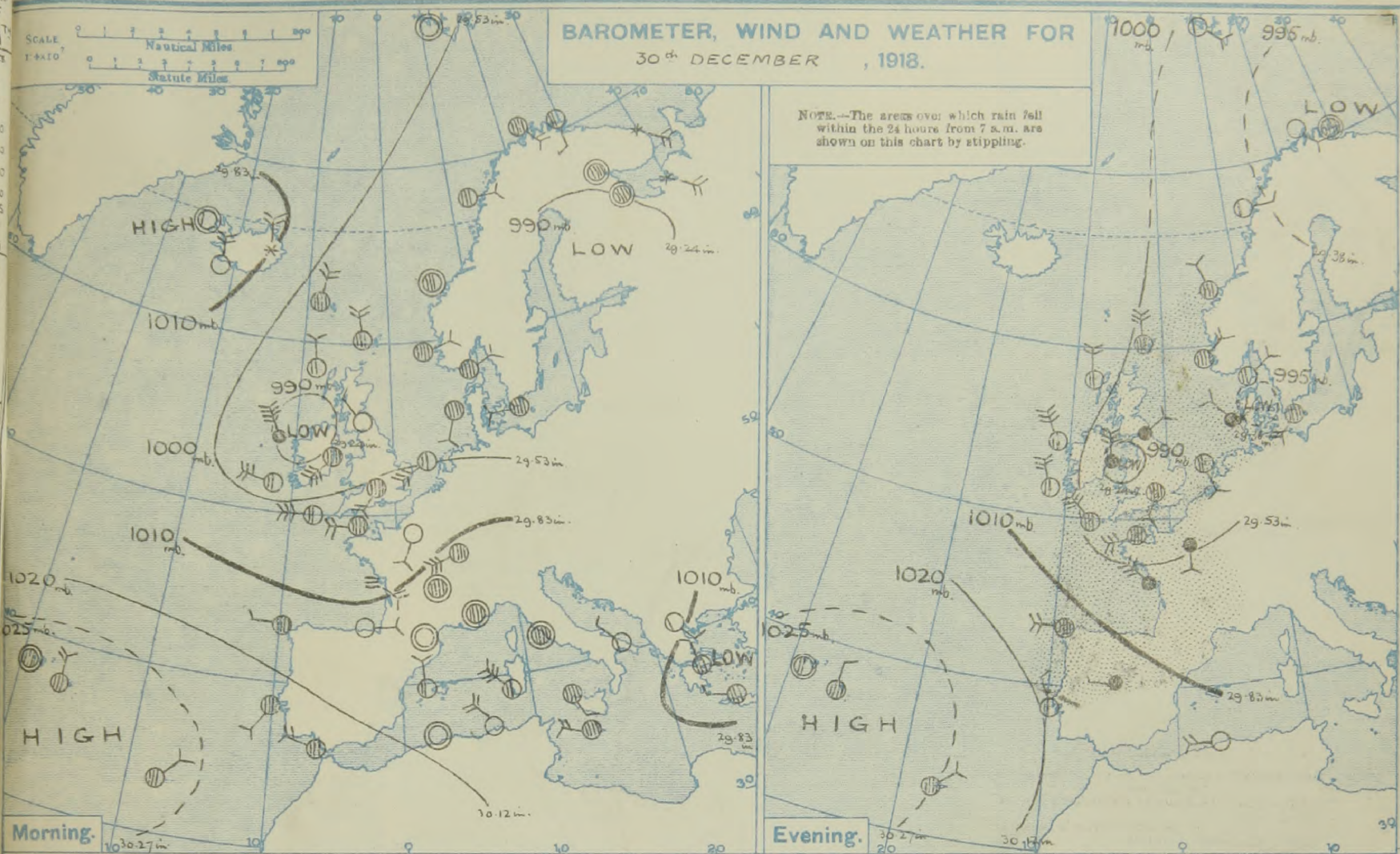
STATIONS.	EVENING OF 29 <sup>TH</sup>					MORNING OF 30 <sup>TH</sup>										24 HOURS ENDED 7 h 30 <sup>PM</sup>							Sun- shine for 29 <sup>TH</sup> Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.						
			Direc.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours. °F.						Max.	Min.	Morning.	Afternoon.	Night.				
BRITISH ISLANDS.	Lerwick ...	993.0	36	NW	2	bcz	993.8	+1	37	+1	N	4	-	cm	2	0.3	38	42	bcz.	bcz.	cmf.	*	
	Mouton Bay (Orkney) ...	992.3	36	NE	2	c	994.3	*	36	0	NE	2	-	b	*	*	*	*	*	*	*	*	
	Stornoway ...	993.1	39	SE	2	of	994.5	+5	37	+1	N	2	-	bc	2	1	39	35	0	of.	of bc.	0.0	
	Castlebay (Barra Isd.) ...	987.5	42	-	0	0	992.4	+2	41	+1	N	4	-	c	4	6	42	35	of r.	r o	of c.	0.0	
	Glasgow ...	992.1	33	ENE	2	omr	991.5	-1	38	+4	ENE	2	-	od	*	10	40	32	rs.	rs. om	omf.	0.0	
	Esksdalemuir ...	992.3	39	S	2	od	991.5	-2	39	+4	SSW	2	-	om	*	10	42	34	od om	om	omf.	0.0	
	Malin Head ...	990.5	43	WSW	4	bcg	985.6	+1	42	-1	SE	2	-	omr	3	5	48	40	bcg	cmg	omf.	2.5	
	Blackod Point ...	993.5	45	SW	5	cmg	990.0	+6	43	-6	NNW	7	-	omgr	5	5	52	49	bcg	cmg	omf.	2.5	
	Valencia (Cahirciveen) ...	1001.9	47	WSW	6	ofg	995.9	0	48	-3	WNW	5	-	bc	4	8	51	44	c of	c of	cmf.	2.1	
	Roche's Point ...	1002.2	46	W	3	bc	995.4	-2	46	-7	W	4	-	b	4	0.3	53	43	o b bc.	bcg bc.	bcg bc.	*	
	Birr Castle ...	997.9	42	WSW	2	c	988.1	*	45	-7	SW	3	-	o	3	52	40	o c.	c o c.	c ofg	1.8		
	Donaghadee ...	993.6	45	W	5	cmg	987.2	-5	42	-3	SSW	4	5	bcg	4	5	50	38	of r bc.	bcg	bcg	*	
	Liverpool (Bidston) ...	996.5	46	WSW	4	b.	993.8	-3	44	-8	SSW	3	SW	o	3	4	53	42	of	b bc.	bc of.	1.2	
	Holyhead ...	997.7	48	W	5	b.	991.2	-1	47	-4	SW	6	-	ofg	5	2	52	43	of c bcg	bc ofg	bc ofg	3.0	
	Pembroke (St Ann's) ...	1002.1	49	W	5	b.	996.9	-4	48	-3	SW	6	-	bcg	5	0.4	52	45	of bc.	b bc.	bcg bc.	3.6	
	Hartland Quay ...	1002.2	49	W	5	b.	996.9	-4	48	-3	SW	6	-	bcg	5	0.4	52	45	of bc.	b bc.	bcg bc.	*	
	Scilly (St. Mary's) ...	1008.0	49	W	6	bc.	1002.6	-2	46	-6	W	6	W	bc	6	2	52	45	omd c.	c bc.	ch bc.	1.6	
	Falmouth ...	1006.2	48	W	8	bcg	1001.9	-4	44	-8	SW	4	-	c	2	53	44	clg ofg.	odm c.	bc bc.	0.6		
	Jersey (St. Aubin) ...	1008.2	51	W	5	oe	1004.8	-2	49	-4	W	4	-	o	4	3	55	49	oem.	of dme.	oe bc.	0.0	
	Portland Bill ...	1004.0	50	W	5	b.	1001.0	-2	50	+1	WSW	5	W	bc	4	1	53	48	od.	c bc.	ch	*	
	Dungeness ...	1001.4	50	WSW	5	b.	1001.8	-1	47	-3	WSW	4	SW	b	4	-	52	45	a c.	c o c.	c b bc.	*	
NORTHERN EUROPE.	Wick ...	992.4	34	-	0	omr	993.6	+3	35	+3	WNW												



# METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

N20,858. TUESDAY, 31<sup>st</sup> DECEMBER, 1918.

## BAROMETER, WIND AND WEATHER FOR 30<sup>th</sup> DECEMBER, 1918.



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

STATIONS.	EVENING OF 29 <sup>TH</sup>					MORNING OF 30 <sup>TH</sup>										MORNING OF 30 <sup>TH</sup>					
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.	
RUSSIA.		° F.						° F.					° F.	° F.			° F.	° F.			
Orlov ...	995.7	19	SE	4	S	995.7	19	SE	4	S	995.7	19	SE	4	S	995.7	19	SE	4	S	b
Kem ...	990.1	19	-	0	0	990.1	19	-	0	0	990.1	19	-	0	0	990.1	19	-	0	0	b
Archangel ...	994.3	18	SE	4	S	994.3	18	SE	4	S	994.3	18	SE	4	S	994.3	18	SE	4	S	b
Mesen ...																					
SWEDEN.																					
Haparanda ...																					
Hernösand ...																					
Stockholm ...																					
Wisby ...																					
Sordoval ...																					
Hangö ...																					
ITALY.																					
Venice ...																					
Turin ...																					
Pesaro ...	1013.9	36	-	0	f	1013.9	36	-	0	f	1013.9	36	-	0	f	1013.9	36	-	0	f	
Leghorn ...																					
Rome ...	1013.5	48	+	0	o	1013.5	48	+	0	o	1013.5	48	+	0	o	1013.5	48	+	0	o	
Viesti ...	1013.3	46		NW	1	1013.3	46		NW	1	1013.3	46		NW	1	1013.3	46		NW	1	
Brindisi ...	1012.6	48	0	NW	1	1012.6	48	0	NW	1	1012.6	48	0	NW	1	1012.6	48	0	NW	1	
Cagliari ...	1015.1	48	-	NW	6	1015.1	48	-	NW	6	1015.1	48	-	NW	6	1015.1	48	-	NW	6	
Palermo ...	1014.2	54		SSE	1	1014.2	54		SSE	1	1014.2	54		SSE	1	1014.2	54		SSE	1	
Tripoli ...																					
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																					
31 <sup>ST</sup> DECEMBER 1918 and 1 <sup>ST</sup> JANUARY 1919.																Sunrise.	Noon.	Sunset.			
																G.M.T.	G.M.T.	G.M.T.			
Yarmouth ...																8.6	11.56	3.46			
Greenwich ...																8.6	11.57	3.48			
Wick ...																8.8	12.3	3.58			
Valencia ...																8.5	12.15	4.0			
																9.5	12.16	3.25			
																8.51	12.44	3.27			
																8.51	12.45	4.38			

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

31 <sup>st</sup> DECEMBER 1918	Sunrise.	Noon.	Sunset.
31 <sup>st</sup> DECEMBER 1918	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.6	11.56	3.46
Greenwich ...	8.6	11.57	3.48
Wick ...	8.8	12.4	4.0
Valencia ...	8.5	12.15	3.25
	8.5	12.16	3.27
	8.51	12.44	4.37
	8.51	12.45	4.38

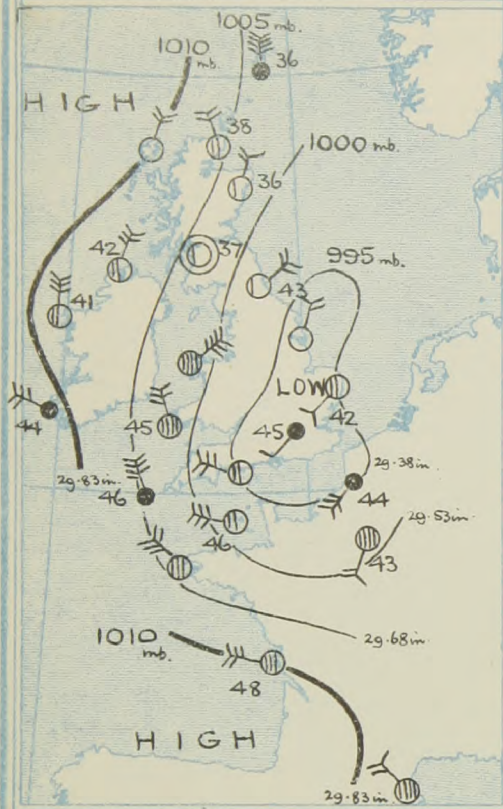
LONDON	HUMIDITY.		Sun-shine for 24 Hours.	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
31 <sup>st</sup> DECEMBER 9h, G.M.T.	30 <sup>th</sup>	31 <sup>st</sup>	30 <sup>th</sup>							
GREENWICH (Royal Observatory)	72	95	0.2	48	41	33	2	a.c.	a.c.	a.c. o.m.
CITY (Bunhill Row)	?	?	0.0	48	45	42	2	*	*	*
WESTMINSTER (St. James's Park)	73	84	0.0	49	42	*	1	cm.	bc. c.	c. o. org.
(Roof near Charing Cross)										
GARDEN SQ. (British Rainfall)		71	0.0	48	40	35	2	-	-	*
KENSINGTON PALACE		91	*	48	41	36	1	bc	bc. o.	3
RICHMOND PARK			0.1	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 30 <sup>th</sup> .		
Total.	Average Rate.	Max. Rate.
joules.	Milliwatts.	Milliwatts.
213	7.6	15



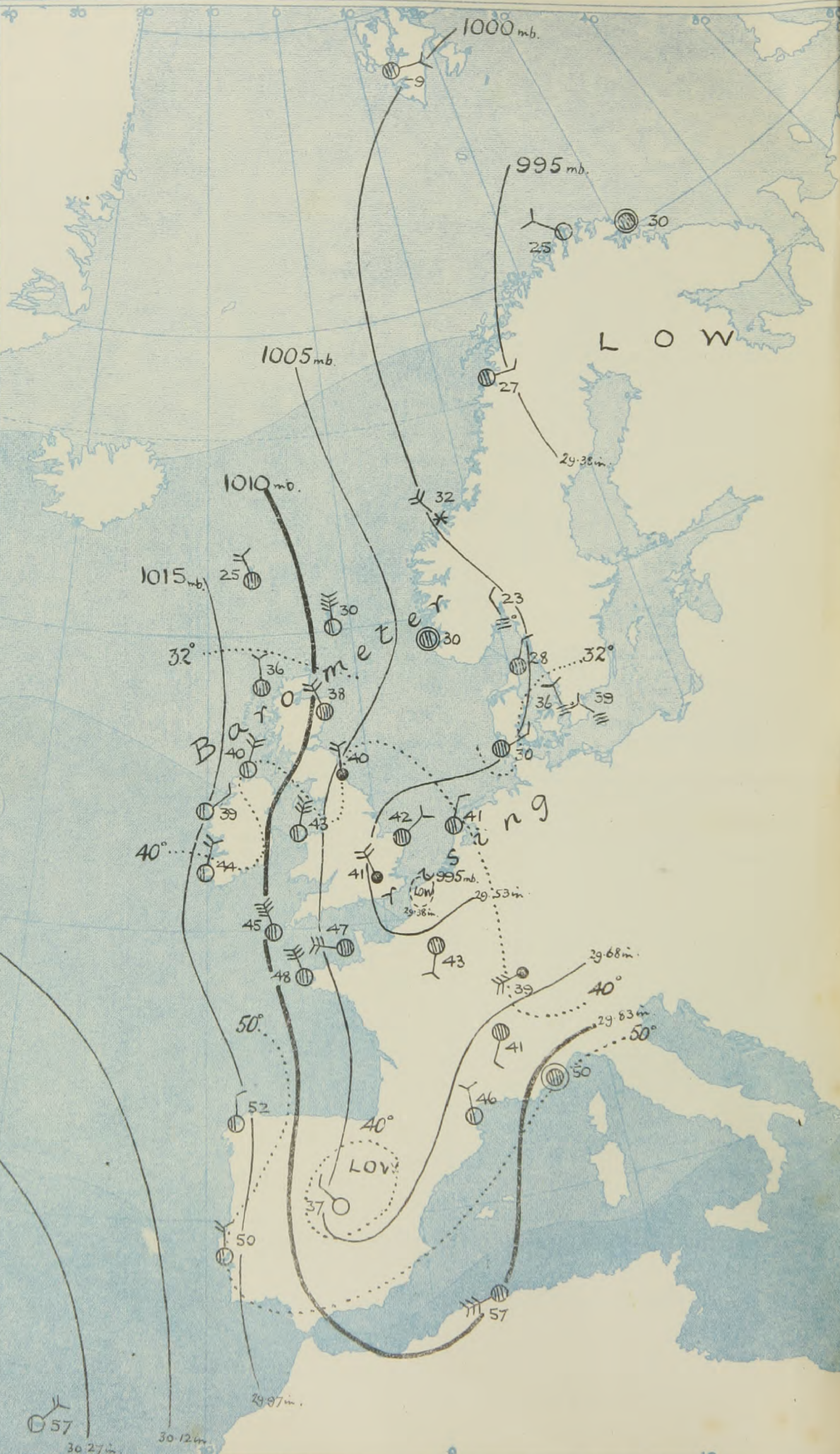
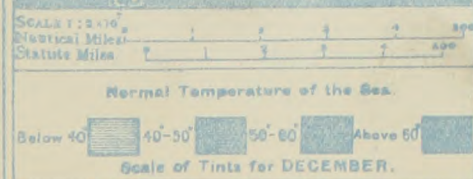
31<sup>ST</sup>, DEC, at 1h. G.M.T.

THE MORNING OF TUESDAY, 31<sup>ST</sup> DECEMBER 1918, at 7h. G.M.T.

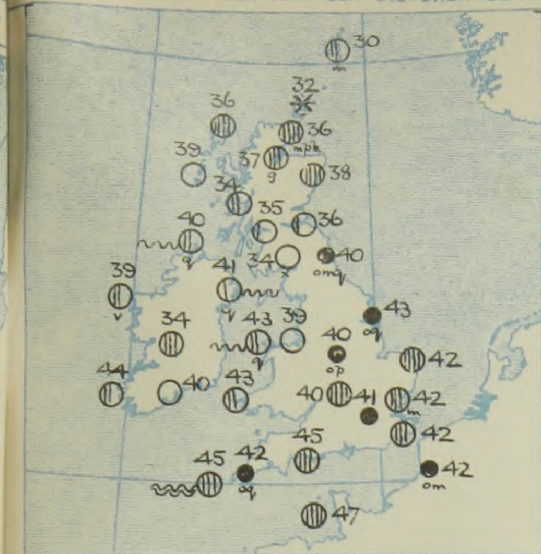


**EXPLANATION.**

**BAROMETER.**—Isobars are drawn for intervals of five millibars.  
**WIND.**—Direction is shown by arrows flying with the wind.  
 Force, on the scale 0-12, is indicated by the number of feathers. Calm.  
**TEMPERATURE.**—Given in degrees Fahrenheit.  
 Isotherms shown by dotted lines.  
**WEATHER.**—Shown by the following symbols:—  
 ○ clear sky. ○ sky ½ clouded. ○ sky ¾ clouded.  
 ○ sky ¾ clouded. ○ overcast sky. ● rain falling.  
 \* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.  
 ⚡, thunderstorm.  
**SEA DISTURBANCE.**—Rough. High.







NOTES.

LERWICK

N. 8 0h. to 4h. (31°).

VALENCIA

Gust 23 metres per sec. @ 16h. (30°).

SCILLY

Gust 19 metres per sec. @ 6h. (31°).

LOUGH FOYLE

Gale 10h. to 18h. (30°).  
Extreme N by E. 9 @ 14h.

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

Temperature was lower in England and Ireland than on the preceding day, the maximum readings failing to reach 50° except at a few South-western Stations. At nearly all the Scottish stations the thermometer remained below 40°. Rain was again experienced in most localities, the quantity being slight generally, but 7 mm at Eskdalemuir, 8 mm at Falmouth, and 12 mm at Tynemouth. Bright sunshine records were very small generally, but about 1.5h was registered on the extreme SW coast of England, 3.3 hrs. at Valencia, and 3.5 hrs at Castlebay.

The Conditions at 7h Today.

The depression which lay over Ireland moved slowly Eastwards during yesterday, and South-eastwards during the evening and night. It is at present centred over Flanders, but its minimum pressure has become less low. The Northerly wind which has set in over the British Isles blows freshly or strongly in some exposed places, and is high at Scilly. Much cloud is reported over the Eastern half of Great Britain, with rain in several localities, hail at Wick, and snow in Orkney. Rain is also falling at Falmouth, but in the W generally the weather is fair. Temperature is as low as 30° at Lerwick, and has fallen in most parts of the Kingdom.

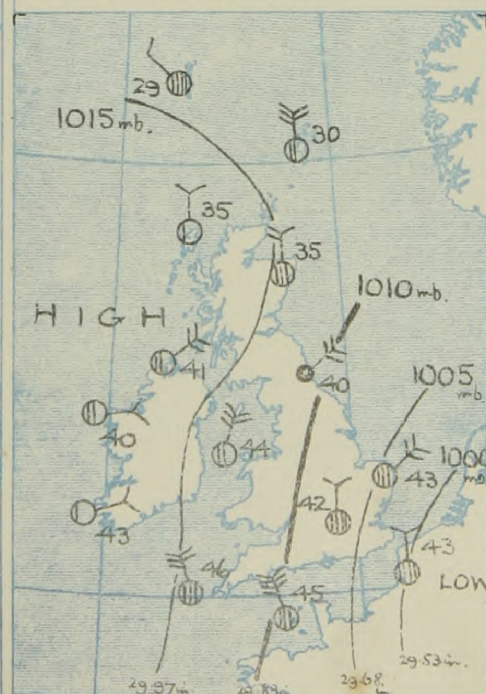
The Outlook.

The Northern wind seems likely to hold for a time over the greater part of the Kingdom, but it is probable that a depression arriving over the Icelandic region will cause it to back to NW or W before long in Scotland.

RS.

TUESDAY, 31<sup>st</sup>

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



The barometer has continued to rise generally, and the depression appears to be still moving southward.



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 365.

TUESDAY,  
31<sup>ST</sup> DECEMBER.

STATIONS.	EVENING OF 30 <sup>TH</sup>					MORNING OF 31 <sup>ST</sup>										24 HOURS ENDED 7 <sup>TH</sup> 31 <sup>ST</sup>					Sun- shine for 30 <sup>TH</sup> Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °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 ...	999.7	36	N	5	cmph	1009.6	+4	30	-7	N	7	-	bcm	4	+	39	29	cm	cmph	cmph	*
	Houton Bay (Orkney) ...	1001.1	36	NNE	6	b	1012.2	*	32	-4	NNE	4	-	s	4	*	*	*	*	*	*	*
	Stornoway ...	1004.3	39	N	4	bch	1012.6	+5	36	-1	N	2	-	o	3	1	39	34	bc.b	bch	bch	1.4
	Castlebay (Barra Isd.) ...	1002.3	40	N	4	b	1013.4	+3	39	-2	N	4	-	b	?	-	42	37	c.bc.	bc.b	b	3.5
	Glasgow ...	998.8	38	NNE	3	o	1010.6	+5	35	-3	NW	2	-	b	*	5	39	32	o	o	o	0.0
	Eskdalemuir ...	999.8	37	NNE	6	o	1008.4	+6	34	-5	N	3	-	bx	*	7	39	33	OTS mo.	odm. o.	ocbbx	0.0
	Malin Head ...	1000.1	43	NNE	5	bch	1011.5	+5	40	-2	NNE	4	NE	bch	5	1	45	40	cmph	cmph	bch	0.1
	Blacksod Point ...	1004.2	44	NNW	6	bch	1015.1	+2	39	-4	NE	1	-	bch	4	1	44	35	bch	bch	bch	*
	Valencia (Cahirveen) ...	1005.6	46	NNW	5	b	1014.6	+3	44	-4	NNE	3	-	b	4	2	48	41	c.bch	bch	bch	3.3
	Roche's Point ...	1000.9	44	NW	6	b	1012.9	+2	40	-6	NNW	3	-	b	2	0.2	49	39	b.bch	b.bch	b	*
Birr Castle ...	997.9	43	NW	2	o	1012.5	*	34	-11	NNW	1	-	c	*	1	45	34	o	o	o	0.0	
Donaghadee ...	996.5	42	NE	5	ogmr	1008.7	+5	41	-1	N	5	-	b	5	3	45	40	ogmr	ogmr	ogmr	*	
Liverpool (Bidston) ...	999.2	42	-	0	o	1008.4	+6	39	-5	N	4	-	b	3	1	46	39	o	o	o	0.6	
Holyhead ...	999.8	46	N	6	ogt	1007.9	+4	43	-4	NNE	6	N	bch	5	4	48	42	ogt	ogt	ogt	0.0	
Pembroke (St. Ann's) ...	994.6	46	WNW	6	ogt	1007.7	+7	43	-5	N	4	N	b	3	2	49	42	ogt	ogt	ogt	0.8	
Hartland Quay ...																					*	
BRITISH ISLANDS.	Scilly (St. Mary's) ...	998.4	46	NW	6	c	1009.4	+4	45	-1	NNW	7	N	c	7	2	50	43	c	c	c	1.7
	Falmouth ...	997.8	45	NW	6	b	1007.3	+4	42	-2	N	5	-	ogt								

\* Information for these columns not usually received.

+ Received too late for insertion in Charts

+ The barometric change is expressed in half-millibars

THE BEAUFORT SCALE OF  
WIND FORCE.

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