

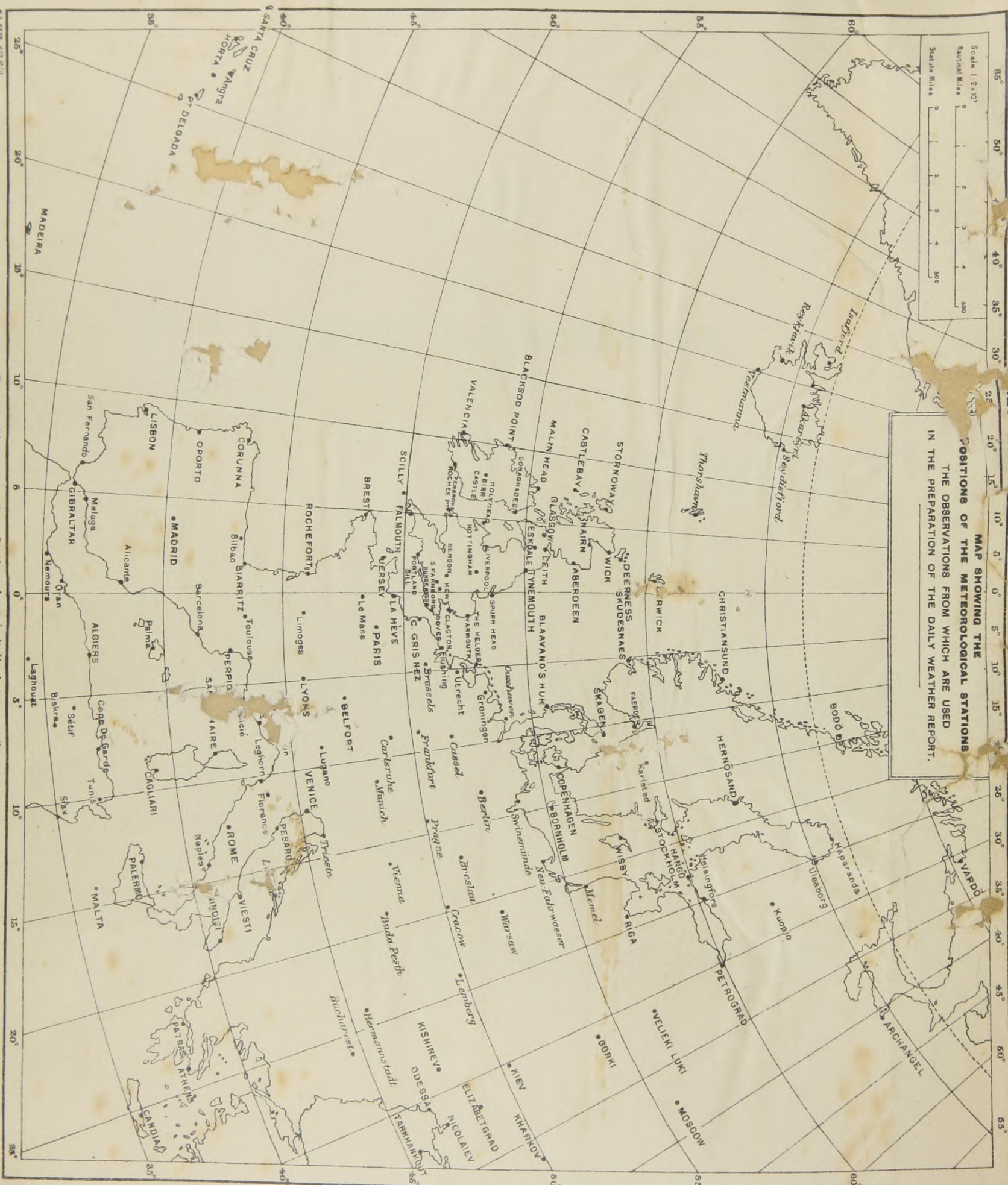
METEOROLOGICAL OFFICE,
LONDON.

DAILY WEATHER REPORTS

1ST JANUARY TO 30TH JUNE, 1917.

1917.

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



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

DAILY WEATHER REPORT. APPENDIX I.

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

FIRST QUARTER, JANUARY TO MARCH.

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

		STATIONS.	PRESSURE. 1906-1915. 7 a.m. Observations (reduced to M.S. Level).	AIR TEMPERATURE.						RAINFALL. 1881-1915.		BRIGHT SUNSHINE. 1881-1915.							
JANUARY.				Means of			Absolute Extremes.			Daily Rain.	Total Fall.	Daily Mean.	Per Centage of Possible Duration.						
				1906-1915. Dry Bulb 7 a.m.	1881-1915. Daily Maximum.	1881-1915. Daily Minimum.	1881-1915.												
							Maximum.												
							Temp.	Year.	Temp.	Year.									
			mb.	°F.	°F.	°F.	°F.		°F.		mm.	in.	hr.	%					
		Lerwick	1007.0	39.6	42.6	35.6	52	1898	16	1910	27	108	4.26	—					
		Stornoway	1008.3	40.3	43.7	34.9	55	1890	11	1881	25	131	5.17	13					
		Castlebay (Barra Isd.)	[1009.0]§	[43.0]§	[45.6]§	[39.3]§	[52]§	[1908, 09, 10, 14]§	[28]§	[1910]§	[24]§	[80]§	[3.16]§	[13]§					
		Eskdalemuir	[1012.7]¶	[34.8]¶	[39.6]¶	[30.4]¶	[51]¶	[1910, 11, 15]¶	[3]¶	[1910]¶	[21]¶	[114]¶	[4.48]¶	[14]¶					
		Malin Head	1010.3	41.1	44.4	37.4	55	1898	23	1894	22	66	2.61	—					
		Blackod Point	1011.9	43.7	46.5	38.8	56	1890	26	1891, 94	25	129	1.59	—					
		Valencia	1014.9	44.4	48.5	40.2	55	1882, 3, 4, 8, 9, 08, 1901	20	1894	24	139	5.49	19					
		Roche's Point	1016.0	43.2	47.5	39.4	57	1889	20	1894	21	105	4.15	—					
		Birr Castle	1014.3	39.3	45.2	34.3	57	1898	6	1881, 94	20	72	2.83	20					
		Donaghadee	1013.5	40.5	44.8	36.3	58	1898	14	1881	20	64	2.53	—					
		Liverpool (Observatory)	1015.4	38.7	43.3	35.3	58	1898	9	1881	17	54	2.12	[1.94]§					
		Holyhead	1014.8	42.3	45.2	38.4	54	1899, 1915	20	1894	19	74	2.91	[1.42]¶					
		Pembroke (St. Ann's Hd.)	1015.5	42.9	45.9	39.4	53	1899, 1907, 14	19	1881, 94, 1907	20	84	3.31	21					
		Seilly (St. Mary's)	1017.3	45.6	49.1	42.3	57	1899	25	1894	21	76	2.98	23					
		Falmouth	1018.0	43.1	46.9	39.9	55	1888, 90, 96	20	1894	20	107	4.21	1.87					
		Jersey (St. Aubin's)	1019.0	42.8	46.6	38.6	57	1899	12	1891	20	75	2.94	2.6					
		Portland Bill	1016.5	43.0	45.5	38.7	[52]†	[1901, 03, 05, 11, 12, 13, 15]	[23]†	[1907]†	16	57	2.26	—					
		Dunegness	1016.6	39.4	43.8	34.7	55	1898	11	1893	16	48	1.90	—					
		Dover	[1015.5]§	[38.1]§	[43.2]§	[34.4]§	[55]§	[1914]§	[17]§	[1910]§	[18]§	[57]§	[2.10]§	[25]§					
		Wick	1008.5	38.0	42.5	33.3	60	1898	-4	1881	21	62	2.46	—					
		Nairn	1009.5	36.9	42.6	31.8	59	1887	4	1910	18	51	1.99	[1.32]‡					
		Aberdeen	1011.1	37.1	42.3	31.4	59	1898	4	1881	18	55	2.18	21					
		Leith	1012.0	39.2	44.0	34.2	58	1898	9	1881	15	42	1.66	—					
		Tynemouth	1013.5	38.5	43.5	33.6	58	1898	6	1881	15	41	1.63	—					
		Spurn Head	1014.3	38.3	42.1	34.7	55	1898	13	1881	15	35	1.36	[1.29]¶					
		Yarmouth	1015.9	37.8	41.8	33.7	57	1899	10	1881	18	44	1.74	[1.81]§					
		Clacton-on-Sea	1016.8	37.7	41.8	33.9	[55]†	[1914]†	[18]†	[1915]†	14	34	1.34	23					
		Nottingham	1015.7	37.1	42.6	32.6	56	1882, 88, 98, 99	2	1881	19	46	1.81	1.10					
		LONDON (Kew Obsy.)	1017.5	38.3	43.1	34.6	56	1908, 10, 14	9	1881	16	45	1.76	1.39					
		Lerwick	1002.6	39.0	42.1	34.5	53	1910	17	1895	23	80	3.16	—					
		Stornoway	1004.0	39.2	44.1	34.2	55	1891	12	1892	22	113	4.46	2.06					
		Castlebay (Barra Isd.)	[1005.0]§	[42.7]§	[45.8]§	[38.9]§	[52]§	[1914]§	[27]§	[1912]§	[22]§	[91]§	[3.58]§	[19]§					
		Eskdalemuir	[1007.6]¶	[35.4]¶	[41.9]¶	[31.6]¶	[51]¶	[1912]¶	[10]¶	[1912]¶	[22]¶	[183]¶	[7.19]¶	[16]¶					
		Malin Head	1005.8	40.7	44.8	37.1	59	1891	20	1895	19	61	2.41	—					
		Blackod Point	1008.0	42.9	46.7	38.1	59	1891	23	1891	22	103	4.06	—					
		Valencia	1010.6	43.5	48.8	39.7	58	1891	22	1895	21	132	5.20	2.5					
		Roche's Point	1011.4	42.5	47.8	39.1	56	1889, 1896	25	1895, 1900, 02, 12	18	94	3.70	—					
		Birr Castle	1007.7	39.1	46.7	34.4	60	1912	6	1895	17	58	2.29	2.41					
		Donaghadee	1009.4	40.0	45.6	36.1	57	1897, 1903, 11	16	1895	18	58	2.30	—					
		Liverpool (Observatory)	1010.7	38.7	44.2	35.6	59	1885, 1898	12	1895	16	42	1.68	[2.66]§					
		Holyhead	1010.2	41.9	45.4	38.0	59	1891	17	1895	17	62	2.43	[2.50]¶					
		Pembroke (St. Ann's Hd.)	1011.3	42.2	45.6	38.9	56	1903	23	1895	17	66	2.66	2.70					
		Seilly (St. Mary's)	1012.8	45.1	48.9	41.7	57	1896, 1899	27	1895	17	65	2.37	3.01					
		Falmouth	1013.8	42.6	47.1	39.6	58	1899	22	1895	17	94	3.70	2.98					
		Jersey (St. Aubin's)	1015.2	42.4	47.3	38.7	62	1891	18	1895	17	62	2.44	3.30					
		Portland Bill	1012.5	42.4	45.6	38.5	[54]†	[1905]†	[24]†	—	13	49	2.93	—					
		Dunegness	1012.9	39.5	44.5	35.2	57	1897	11	1895	17	41	1.60	—					
		Dover	[1014.1]§	[39.4]§	[45.6]§	[35.0]§	[56]§	[1913]§	[17]§	[1912]§	[14]§	[47]§	[3.16]§	[32]§					
		Wick	1003.9	37.8	42.8	32.8	57	1897, 1903	2	1895	19	58	2.27	—					
		Nairn	1005.0	36.8	43.9	31.3	64	1891	0	1895, 97	17	46	1.80	[2.59]‡					
		Aberdeen	1006.7	37.7	43.2	33.4	64	1897	6	1895	17	52	2.05	2.59					
		Leith	1007.2	38.8	45.2	33.8	59	1882	12	1895, 1912	14	36	1.42	—					
		Tynemouth	1008.7	38.5	44.5	33.7	60	1898, 99	7	1895	14	35	1.37	—					
		Spurn Head	1010.0	38.7	43.0	35.1	61	1899	20	1895	14	31	1.21	[2.79]¶					
		Yarmouth	1012.1	38.1	42.9	34.0	60	1912	15	1895	15	38	1.40	[2.84]§					
		Clacton-on-Sea	1012.9	38.1	42.9	34.4	[58]†	[1903]†	[18]†	[1912]†	12	32	1.25	2.94					
		Nottingham	1011.4	37.6	44.6	33.2	61	1899	2	1895	16	39	1.55	2.06					
		LONDON (Kew Obsy.)	1013.5	38.5	45.0	35.1	62	1899	11	1895	13	39	1.54	2.13					
		Lerwick	1005.7	38.3	42.9	34.4	57	1893	19	1891	25	80	3.14	—					
		Stornoway	1007.4	38.6	45.3	34.4	57	1894, 1907	13	1881	24	104	4.10	3.30					
		Castlebay (Barra Isd.)	[1006.7]§	[41.7]§	[45.7]§	[38.5]§	[52]§	[1911]§	[27]§	[1915]§	[22]§	[77]§	[3.02]§	[31]§					
		Eskdalemuir	[1007.2]¶	[35.2]¶	[44.2]¶	[31.9]¶	[55]¶	[1910, 1915]¶	[16]¶	[1913]¶	[21]¶	[133]¶	[5.24]¶	[26]¶					
		Malin Head	1008.2	40.7	46.0	37.7	62	1894	25	1906	21	59	2.32	—					
		Blackod Point	1009.8	42.7	47.9	38.6	64	1894, 1899	26	1891, 1900, 09	23	104	4.10	—					
		Valencia	1011.8	43.4	50.0	39.9	66	1899	26	1899, 1901	21	115	4.54	3.97					
		Roche's Point	1012.2	42.5	49.3	39.2	61	1899	27	1890	18	76	3.01	—					
		Birr Castle	1011.0	38.8	49.2	34.6	66	1894	18	1891	18	61	2.40	3.55					
		Donaghadee	1010.1	39.9	47.4	36.7	64	1892	25	1892, 1906	19	56	2.19	—					
		Liverpool (Observatory)	1011.0	39.6	46.9	36.9	65	1884, 94, 1907	21	1886	17	48	1.90	[3.52]§					
		Holyhead	1010.8	41.9	46.9	38.4	67	1884	27	1881	18	67	2.62	[4.05]¶					
		Pembroke (St. Ann's Hd.)	1011.7	41.9	46.7	39.0	58	1899	26	1888, 1909	17	66	2.58	4.19					
		Seilly (St. Mary's)	1012.6	45.0	49.9	42.0	59	1893	30	1883, 90, 91	18	62	2.45	4.52					
		Falmouth	1013.4	42.7	48.7	39.8	60	1914	24	1890	18	88	3.46	4.45					
		Jersey (St. Aubin's)	1014.1	43.4	49.9	39.9	66	1893, 94, 1903	21	1890	18	64	2.51	4.74					
		Portland Bill	1011.8	42.7	47.5	39.1	[59]†	[1900]†	[26]†	[1909]†	15	51	2.02	—					

§ Results for 30 years, 1886-1915.

† " " 16 " 1900-1915.

‡ " " 15 " 1901-1915.

§ Results for 9 years, 1907-1915.

† " " 8 " 1908-1915.

‡ " " 6 " 1910-1915.

§ Results for 5 years, 1911-1915.

† " " 2 " 1914-1915.

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

(7055-12.) Wt. 47589-8458. 3000. 4/16. D & S. G. 3.

* Information for these columns not usually received.

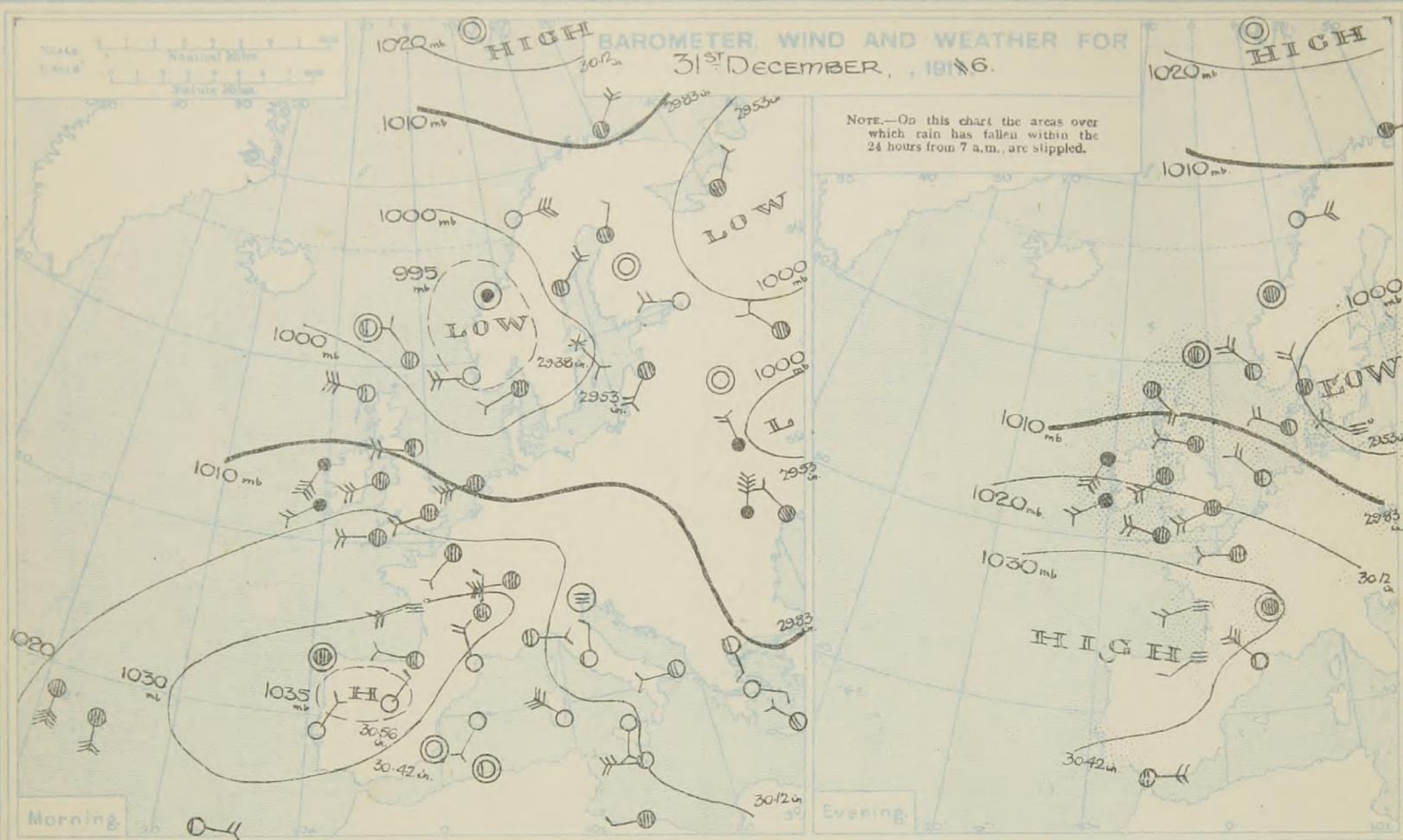
† Received too late for insertion in Charts.

* The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 1

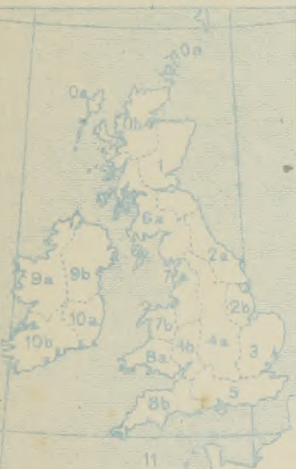
Monday,
1st January

	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.										Sun- shine for Yester- day.
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer.		Temp.		WIND.		Dirac. of Upper Cloud.	Weather.	Sea 9-9.	Rain- fall, Milli- metres.	Temp.		WEATHER.								
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 24 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.						
BRITISH ISLANDS.	Lerwick ...	1006.4	42	-	0	cm	1006.9	0	44	+1	-	0	-	om.	0	3	44	41	bc	bem	omp.	*				
	Deerness (Orkney) ...	1008.4	43	SW	2	c	1007.8	*	47	+3	W	4	-	ogc	3	8	47	42	or o. bc.	bc. c	er. og	0.0				
	Stornoway ...	1008.6	46	SE	2	o	1012.1	+5	45	0	S	3	-	bc	3	1	50	42	bc. og. c	c. o	o. bedp	0.0				
	Castlebay (Barra Isd.) ...	1010.4	50	W	4	d													omir	r. d						
	Glasgow ...	1012.8	48	SSW	2	omd	1015.5	+3	50	+3	SW	2	-	ogd	*	6	51	46	bc. c. o. c	c. omd	omp. op	0.1				
	Eskdalemuir ...	1014.0	48	SW	3	omd	1016.1	+3	50	+5	W	5	-	o	*	6	51	44	b. bc. o	c. omd	omd. or	0.0				
	Malin Head ...	1012.0	50	WSW	5	omp	1017.4	+5	43	0	WSW	3	-	ofd	4	6	51	46	omd	omd	omd	0.0				
	Blacksod Point ...	1016.0	50	SSW	6	omd	1018.6	-1	49	-1	SSW	5	-	ome	5	2	50	49	ofd	ofd	ofe.	*				
	Valencia ...	1023.3	52	SW	3	od	1025.1	0	52	0	SW	3	SW	0	4	0.2	53	51	od. o	od	o	0.0				
	Roche's Point ...	1023.8	53	SW	3	o	1025.8	*	51	-1	S	1	-	o	3	0.1	54	50	ve. o	o	o. bc. o	*				
	Birr Castle ...	1020.7	51	W	2	o	1022.3	*	52	+1	SW	1	-	r	*	5	54	49	ad	od. o	od	0.0				
	Donaghadee ...	1013.8	53	W	4	omg	1016.5	-2	52	+1	W	5	W	bc. ogp	4	1	54	49	omp	omg	omg	0.0				
	Liverpool (Bidston) ...	1017.7	51	WSW	4	o	1019.2	+1	50	0	WSW	6	W	bc	5	1	53	47	bm.	cgp	ag	0.2				
	Holyhead ...	1017.9	52	SW	4	o	1020.5	+1	51	+1	W	6	-	bc.	5	1	53	49	opd. c. o	of. o. c	opd. c	0.2				
	Pembroke (St. Ann's) ...	1022.8	50	WSW	4	f	1024.6	+1	50	+1	WSW	5	-	o	5	0.2	50	48	o. of	of	op. f. o	0.0				
	Scilly (St. Mary's) ...																									
	Falmouth ...	1026.2	51	WNW	4	o	1028.6	+1	51	+1	W	4	-	o	*	Trace	53	49	oeg	oeg	od. bc. o	0.0				
	Jersey (St. Aubin) ...	1027.0	51	W	3	d	1029.3	*	50	0	W	3	-	oe	3	1	53	49	adm	od. m. fd	of. oe	0.0				
	Portland Bill ...	1023.9	50	WSW	5	o	1026.3	+1	50	+1	W	3	-	o	4	-	51	48	c	egm	o. c. bc	*				
	Dungeness ...	1020.6	48	WSW	3	c	1021.6	+1	46	-2	WSW	3	W	bc	3	1	50	44	o. c	c	cp. bc	*				
Dover ...	1021.0	51	WSW	3	c	1022.9	+1	49	0	NW	3	NW	b	4	1	52	48	c	c	op. r. b	0.0					
Wick ...	1009.6	41	-	0	c	1009.2	+2	46	+3	WNW	2	-	o	2	3	47	40	b. bc.	bc. c	d. om	*					
Nairn ...	1010.3	44	-	0	r	1011.2	*	50	+4	WSW	4	-	ogp	3	1	50	42	a. bc.	bemg	ogp.	0.6					
Aberdeen ...	1011.5	44	W	1	o	1011.1	+2	45	-2	WSW	2	-	bc	2	1	48	39	og. bc	bc. om	omr. bc	0.5					
Leith ...	1012.4	49	SW	1	o	1013.3	+2	52	+4	W	2	W	b	3	0.4	53	47	b. bc. o	o	op. o. c. b	*					
Tynemouth ...	1012.8	50	WNW	2	om	1014.4	0	54	+5	W	3	-	bq	3	-	54	49	om	omp	bcq	*					
Spurn Head ...	1016.4	47	NW	4	omg	1017.3	0	48	+2	WNW	6	-	og	5	1	49	46	omr	omg	ag. cm.	0.0					
Yarmouth ...	1017.6	51	NW	2	omd	1017.7	0	52	+2	NW	5	-	cq	4	2	52	50	om	omd	omd. og	0.0					
Clacton-on-Sea ...	1019.0	50	WNW	2	bc.	1020.3	0	51	+3	WNW	2	NW	c	2	-	52	47	bc. c. o	o. c. bc	bc. c	0.0					
Nottingham ...	1018.1	51	W	4	o	1020.3	*	51	0	W	2	W	d	*	0.2	54	50	o. c	o. cp	o. c	0.0					
Benson (Oxon.) ...	1021.1	50	SW	2	o	1022.5	+1	47	-3	SSW	3	-	b	*	1	52	47	o	o	or. b.	*					
Sth Farnborough ...	1020.9	51	SW	3	r.	1023.1	+1	49	0	W	3	-	ov.	*	2	53	48	o	or	o	0.1					
London (Kew Obsy.) ...	1021.0	51	WSW	4	o	1022.3	0	50	0	WSW	4	W	bc	*	1	53	49	o	o. c. o. r. o	o. bc	0.4					
NORTHERN EUROPE.	Spitsbergen ...	1023.4	-4	-	0	b	1023.4	0	0	+9	-	0	*	b	*	*	0	-18	UPPER AIR. South Farnborough. Pilot Balloon Ascent at 7.55 A.M. 1st.							
	Vardö ...	1011.3	19	E	1	o	1011.4	0	19	0	NE	3	-	o	3	*	19	18								
	Bodö ...	1008.7	16	E	4	b.	1011.3	0	14	-4	E	4	-	b	2	-	19	12								
	Christiansund ...	1007.5	24	-	0	o.	1008.2	0	34	-3	-	0	-	o.	1	-	37	34								
	Skudesnaes ...	1004.6	43	NW	4	c.	1007.1	0	39	-4	-	0	-	o	3	2	45	37	300 metres W 12 metres per second							
	Færder (X'ania Fjord) ...	1002.4	30	N	6	bc	1009.7	+2	27	-7	ENE	2	-	o	2	-	34	27	Surface W 8							
	The Scaw (Skagen) ...	998.7	27	NNW	3	o	1008.0	+2	34	-7	E	2	-	o	2	-	45	34								
	Blaavands Huk ...	1007.0	43	NW	3	c.	1011.1	0	41	0	NW	2	-	c.	2	1	43	34								
	Copenhagen ...	999.9	43	WNW	4	o.	1008.8	+2	37	-6	NW	2	-	o.	*	Trace	43	37								
	Bornholm ...	999.4	41	W	4	m	1008.0	+5	36	-5	N	5	-	o	1	1	41	36								
FRANCE, &c.	The Helder ...	1015.4	46	NW	3	bc	1015.1	0	46	-2	W	4	-	r	4	4	48	45								
	C. Gris Nez ...	1021.1	49	W	6	bc.	1022.9	+2	48	0	W	4	*	c.	4	2	50	46								
	La Hève ...	*	46	W	4	f	*	48	+2	WSW	5	*	f	7	2	50	46									
	Brest (St. Mathieu) ...	1039.9	51	W	4	f	1031.1	+1	53	+3	WNW	4	*	o	4	-	52	50								
	Rochefort (de d'Aix) ...	1031.9	51	WSW	3	f	1031.5	+1	49	+2	NW	4	*	f	*	1	52	47								
	Biarritz ...	1032.8	54	SW	1	f.	1032.8	0	52	-1	-	0	*	f	3	-	57	52								
	Paris ...	1025.7	52	WSW	2	o	1026.7	+2	52	+4	WNW	2	-	o	*	1	54	46	GALES Duration and Extreme Force in British Islands.							
Belfort ...														*	*	*	*									
Lyons ...	1030.9	46	-	0	o	1030.3	*	45	+4	-	0	*	r	*	4	51	45									
Nice ...														*	*	*	*									
Perpignan ...	1028.0	54	NW	5	b	1028.2	+1	57	+5	NW	4	NW	b	*	-	59	34	Eskdalemuir 1st 44m Gust W 23 m.p.s.								
Sanguinaire ...	*													*	*	*	*									
SOUTHERN STATIONS.	Corunna ...																									
	Madrid ...														*											
	Lisbon ...																									
	Azores (Horta) ...	*											*													
	Madeira ...																									
	Gibraltar ...																									
	Malta ...	*	*	*	*	*																				
	Limassol ...	*	*	*	*	*	1006.6	-1	57	+7	W	2	-	o	3	1	66	48								
Alexandria ...																										
Cairo (Helwan) ...														*												
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for Yester- day.	24 HOURS ENDED 9 h. To-Day.								SOUTH KENSINGTON.													
15 h. Yester- day.	9 h. To- day.	TEMPERATURE.			Rain- fall.	WEATHER.			Vertical Component of Solar Radiation per square Centimetre during Yesterday.																	
		Max.	Min.	Min. on Glass.		Morn- ing.	After- noon.	Night.	Total.	Average Rate.	Max. Rate.															
GREENWICH (Royal Observatory)	%	%	Hours.	* F.	* F.	* F.	mm.						Joules.	Milliwatts.	Milliwatts.											
CITY (Bunhill Row) ...	82	89	0.0	53	49	45	1	o	o. or	o. or	o.		126	4.4	11.0											
WESTMINSTER (St. James's Park)	*	*	0.0	*	*	*	*	*	*	*	*	*														
CAMDEN SQ. (British Rainfall)	89	93	0.0	54	50	43	1	bc. o	o. or	o.	*															
HAMPSTEAD (Reservoir)	-	90	0.0	54	48	44	1	-	-	-	*															
S. KENSINGTON (Museum Grounds)	*	94	0.0	52	45	38	1	o	o. or	o.	*		Temperatures at Greenwich & d Cam- den Square are from Glaisher screens.													
RICHMOND PARK	*	91	0.0	54	49	47	Trace	bc. c. o	o. or	o.	*															



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

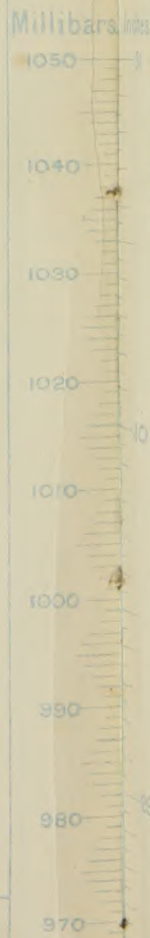
Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

NO WARNINGS ISSUED.

Western Channel and Bay 11

- 0 { Wind mainly between West and North-West, light or moderate, fresh at times locally; variable sky, showers locally; mild.
- 1 {
- 2 {
- 3 {
- 4 {
- 5 {
- 6 {
- 7 { Wind mainly between South-West and West, moderate, fresh or strong at times; some showers, considerable fair intervals; mild.
- 8 {
- 9 {
- 10 {
- 11 { Wind mainly Westerly, light to fresh; sea moderate; some showers and mist, otherwise fair.

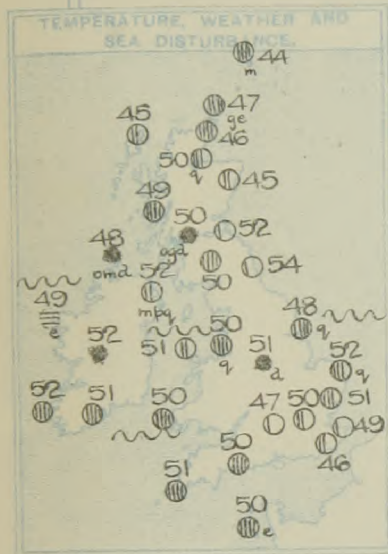
FURTHER OUTLOOK.



SYNOPTIC CHART FOR THE MORNING OF Monday, 1st JANUARY, 1917.

GENERAL INFERENCE.

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



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.

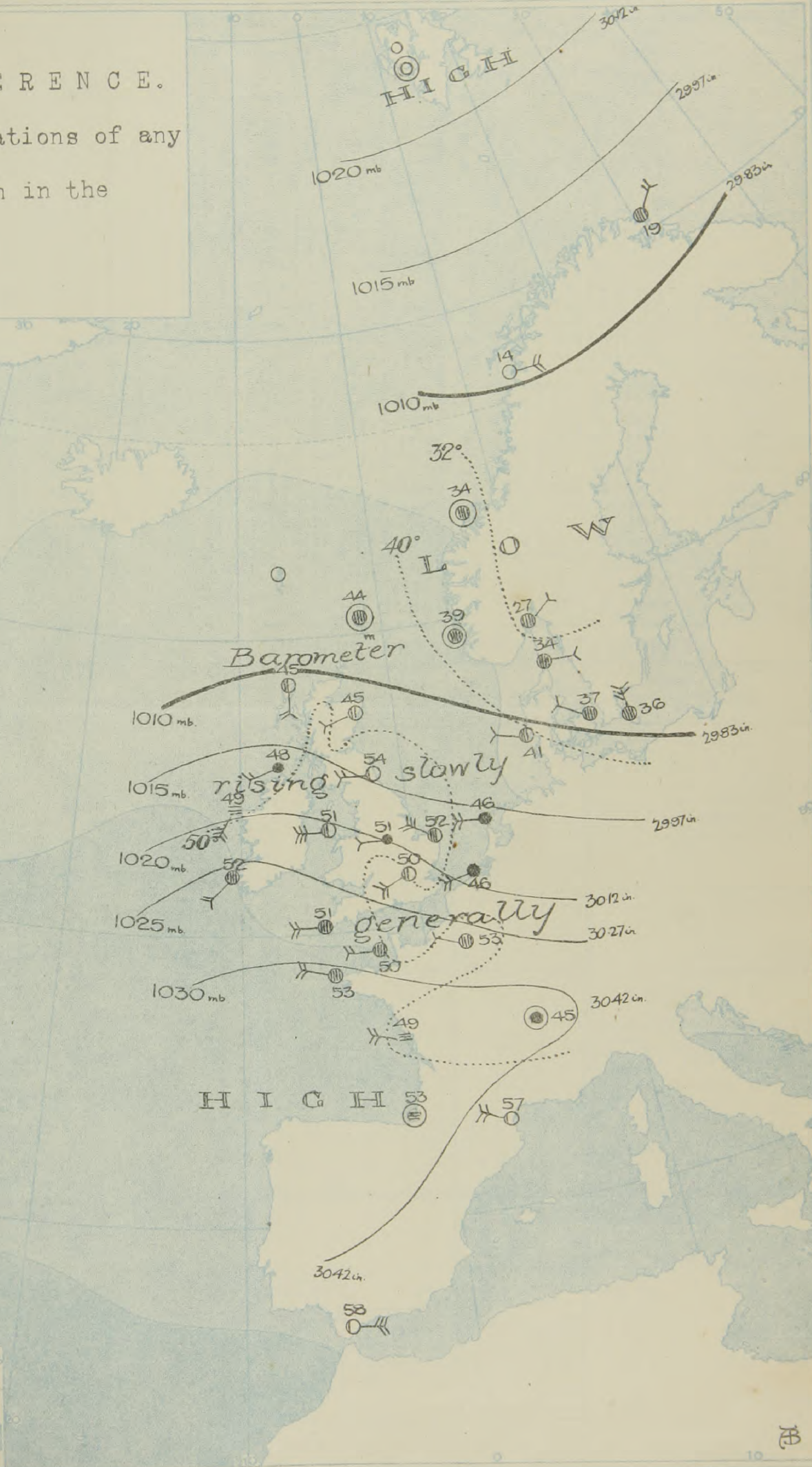
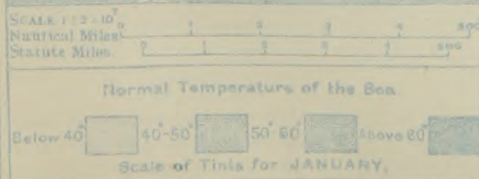
⚡, thunderstorm.

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

Inches
31

30

29



10

REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.							PAST 24 HOURS.				MORNING						
	Barom. Milli- bars at M.S.L.	TEMP. ° F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			Dir.	Force 0-12.				Dry Bulb. ° F.	Change in 24 hours. ° F.					Dir.	Force 0-12.			Max.	Min.	Dry Bulb. ° F.	Change in 24 hours. ° F.		Dir.	Force 0-12.
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	994.6	12	NNE	4	S	996.3	+1	5	-9	NE	2	0	-	° F	° F	Isafjord ... Reykjavik Vestmanna Seydisfjord Thorshavn	999.6	33	-8	-	0	bc
Gorki ...	998.0	14	W	1	0	1005.2	+8	14	-4	-	0	b	-	*	3								
Velieki Luki ...	1003.9	7	WNW	1	0	1006.9	*	7	-5	SW	2	0	-	*	5								
Hangö ...														*	9								
Riga ...						1007.8	-1	12	-7	SW	3	0	-	*	10								
Petrograd ...	1000.8	9	NW	4	bc	1002.1	0	1	-9	NW	3	b	-	*	1								
Moscow ...	999.4	32	ESE	2	r	1001.7	+2	12	-2	WNW	2	0	2	*	10								
Kiev ...	996.6	30	NW	4	0	1000.3	+4	25	-7	N	3	0	2	*	23								
Kharkov ...	994.9	32	S	2	3	999.0	+7	25	+7	NW	4	0	-	*	25								
Kishinev ...	1000.3	46	NW	3	0	1004.8	+2	37	+3	NE	9	r	-	*	30								
Elisabetgrad ...	993.1	36	WNW	4	C	1004.3	+5	28	0	NNW	4	0	8	*	28								
Nicolaiev ...	996.7	41	WSW	5	0	1005.9	*	36	0	NW	2	0	2	*	28								
Odessa ...	999.5	43	W	4	0	1005.4	+3	36	+2	NNE	2	0	2	*	36								
Tarkhankout ...	1002.1	48	SW	7	0	1006.1	*	41	-5	N	4	0	-	*	41								
Soukhom ...														*									
MEDITERRANEAN.	Venice ...	1014.4	39	-	0	b	1018.0	*	36	-1	-	0	f	-	43	36							
Pesaro ...	1014.6	43	NW	4	b	1019.0	*	39	+2	-	0	0	-	55	37								
Rome ...	1018.7	52	S	1	b	1017.9	*	48	0	N	1	b	-	57	48								
Viesti ...	1017.0	52	-	0	b	1016.1	*	54	+6	NW	2	0	-	55	48								
Brindisi ...	1018.4	52	N	1	b	1014.0	*	50	-5	W	2	bc	-	59	50								
Cagliari ...	1021.8	63	NW	4	b	1021.5	*	55	+1	NW	6	b	-	64	46								
Palermo ...	1023.9	55	-	0	b	1020.2	*	57	+14	S	2	0	-	64	43								
Tripoli ...	1028.7	55	-	0	b	1025.6	*	52	...	W	1	0	Trace	64	48								
Algiers ...	1029.7	54	-	0	c	1029.1	+1	50	-2	-	0	b	-	61	50								
SWEDEN.	Hernösand ...	1006.0	21	-	0	0	1007.4	*	23	+2	NE	4	c	*	*	*							
Stockholm ...	1004.6	27	E	2	S	997.5	*	32	+5	SSE	2	S	*	*	*								
Wisby ...	1004.0	27	NE	2	0	999.5	*	34	+2	S	2	0	*	*	*								

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	—
Limassol ...	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY. UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine
	Night. 18h-9h.	Day. 9h-18h.	Max.	Min.	Forenoon.	Afternoon.			Night. 18h-9h.	Day. 9h-18h.	Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Mm.	Mm.	F.	F.			Hr.	England, E.	Mm.	Mm.	° F.	° F.			Hr.
{ Oban	16	1	50	44	ec	0	0.0	{ Lowestoft	-	-	52	43	c. bc	bcn	0.0
{ Banff	1	-	49	35	b. bc	0	2.6	{ Felixstowe	-	-					
{ Montrose								{ Walton-on-Naze							
{ Carnoustie	*	*						{ Southend-on-Sea							
{ St. Andrews															
Eng. N.E.								{ Margate							
{ Harrogate	1	-	50	44	0	0.0	0.0	{ Ramsgate	-	-	51	42	0	0	0.0
{ Skegness	1	-	52	43	0	0	0.0	{ Hastings	Trace	-	51	45	bc dp	0	0.0
								{ Eastbourne	Trace	-	50	46	cq	cq	0.0
Eng. N.W.								{ Seaford							
{ Morecambe								{ Brighton			?	?	c	c	0.0
{ Southport	Trace	1	48	44	0	0.0	0.0	{ Worthing	Trace	1	52	44	c	or	0.1
								{ Littlehampton	-	-	49	39	0 bc	0	1.2
								{ Bognor	*	*					
								{ Bournemouth	-	-	53	44	0	0	0.3
Midlands.															
{ Leamington Spa								{ Weymouth	*	*					
{ Malvern								{ Torquay	*	*					
{ Ross-on-Wye								{ Paignton	*	*					
								{ Penzance							
Wales.								{ Newquay	1	1	51	48	d	d	0.0
{ Rhyl	-	Trace	56	46	0 c	0.0	0.6	{ Bude							
{ Colwyn Bay	*	*	55	48	c	ce	0.0	{ Ilfracombe							
{ Llandudno	*	*	53	49	r c	c	0.5	{ Weston-s-Mare							
{ Aberystwyth	*	*	52	47	r oc	0 or	0.0								
{ Tenby															

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

1st January, 1917.	Sunrise.	Noon.	Sunset.
Yarmouth ...	8 6	11 57	3 48
Greenwich ...	8 8	12 4	4 0
Wick ...	9 5	12 16	3 27
Valencia ...	8 51	12 45	4 38

NOTES ON YESTERDAY'S WEATHER.

Temperature again rose to 50° or above very generally, the highest reading being 56° at Rhyl. Showers fell at nearly all stations, and very little bright sunshine was recorded.

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

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 2

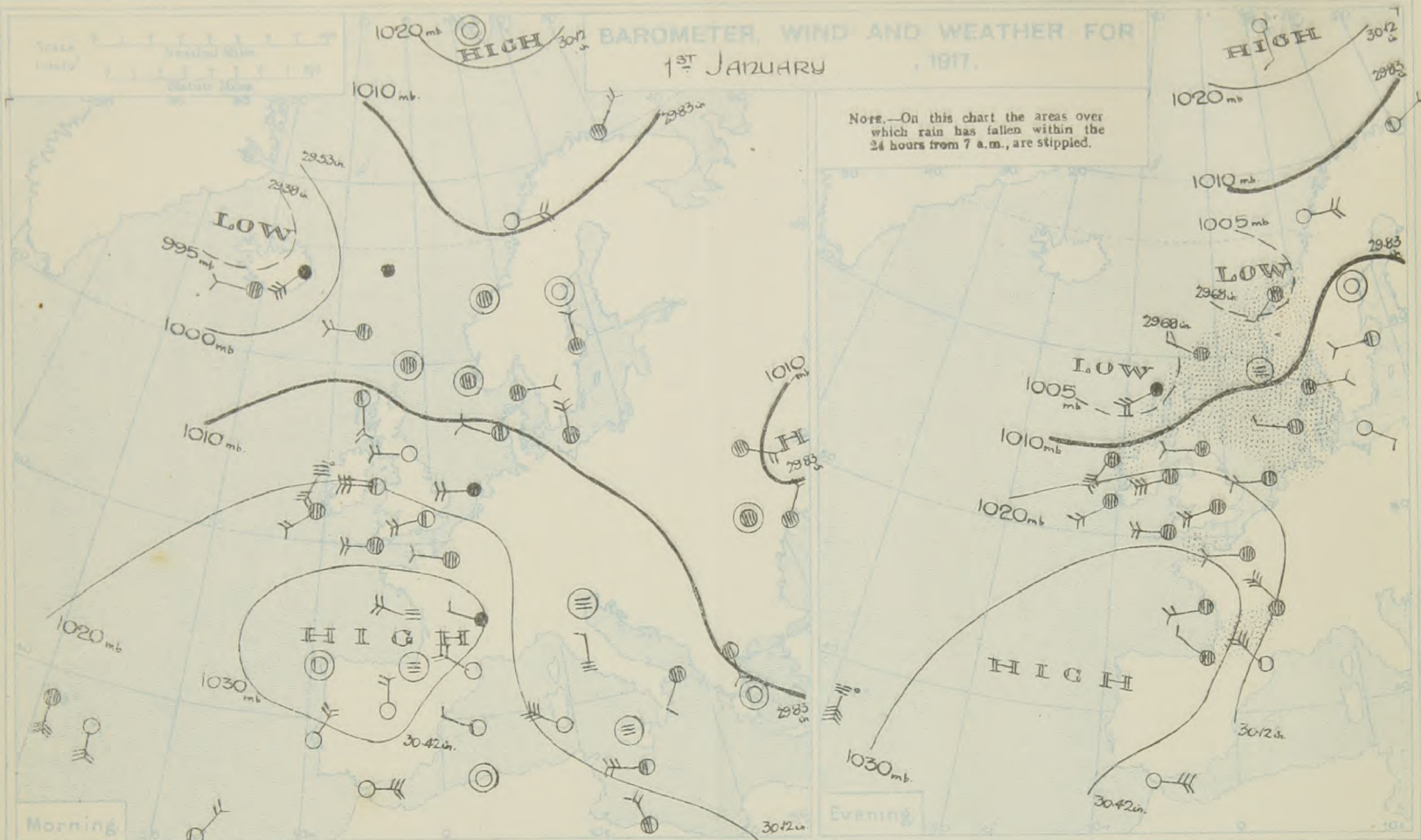
Tuesday,
2nd January

STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS					Sun- shine for Yester- day.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer.		Temp.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 1-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
			Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 24 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.																					
Lerwick	1007.0	43	WNW	1	om	1006.5	+2.	43	-1	WNW	1	-	om	1	1	47	40	cm	om	om	
Deerness (Orkney)	1007.8	44	S	1	r	1007.5	+	43	-4	W	4	-	bcp	3	19	48	40	oge	op	rop. bc	0.0
Stornoway	1003.7	45	SW	5	or	1012.1	+1	43	-2	W	5	-	or	4	7	49	42	og	or	abcp. og	0.0
Castlebay (Barrisd.)	1007.4	51	WSW	6	o	1015.2	o	48	WSW	5	-	-	o	5	5	51	45	or	ro	o	0.0
Glasgow	1011.9	49	SSW	4	or	1017.2	+5	45	-5	WSW	4	-	c	8	5	50	44	o.c. omr	omr	o.c. bc	0.0
Eskdalemuir	1011.3	49	SW	5	omr	1018.5	+6	42	-8	WNW	6	-	bc	x	6	50	42	o.c. o	o.c. omr	omr. c	0.3
Malin Head	1010.9	50	SW	6	omg	1018.0	o	45	-3	SW	5	-	om.	6	1	53	45	omp	omg	om	0.0
Blacksod Point	1017.4	50	SSW	7	ome	1017.7	-7	49	-2	W	3	-	ome	3	1	50	45	ofe	ofe	cm. ofd	0.0
Valencia	1025.1	52	SW	4	o.	1023.7	-3.	52	o	SSW	3	-	o	8	-	53	51	o.c.	o	o	0.1
Roche's Point	1025.7	51	SW	4	o	1025.1	+	51	o	WSW	2	-	-	3	0.1	53	50	o	o	bc. o.	0.0
Birr Castle	1021.3	52	SW	2	o	1022.1	+	50	-2	S	1	-	o	8	1	54	47	od. c	c. od. o	o.c.	0.4
Donaghadee	1014.9	52	W	4	ogm	1020.0	-1	44	-8	W	4	W	bc	4	-	54	43	ogm	ogm	bc. og	0.0
Liverpool (Bidston)	1020.1	52	WSW	3	o	1020.8	-4	45	-5	WSW	5	-	b	4	-	54	44	og	o.c.	og. b	0.0
Holyhead	1020.5	50	WSW	6	ogq	1023.2	o	48	-3	W	4	-	c	3	Trace	53	47	bc. c. o	c. bc. o	od. bc. c	0.0
Pembroke (St. Ann's)	1025.3	49	SW	5	og	1024.7	o	49	-1	WSW	4	-	f	4	-	50	48	og. f. cm	c. o. og	o. c. f	0.6
SCILLY (St. Mary's)																					
Falmouth	1029.9	49	W	4	o	1027.6	o	51	o	W	3	-	oe	8	Trace	53	48	oe. o	o	og.	0.0
Jersey (St. Aubin)	1030.2	51	W	3	o.	1028.0	+	50	o	W	5	-	ome	3	0.3	53	48	ome	oe. o.	om. de	0.2
Portland Bill	1026.5	50	W	4	c	1023.7	-2	49	-1	W	4	W	c	4	2	51	48	bc	bc. c	bc. or	0.0
Dungeness	1023.4	52	WSW	3	c	1021.0	+1	48	+2	WSW	4	-	c	4	-	55	48	c. bc	bc.	c. o. bc	0.0
Dover	1024.1	52	W	3	c	1021.8	o	49	o	SW	4	W	b	4	-	55	46	bc. c	c. bc. c	bc. b. bc	1.9
NORTH BRITAIN.																					
Wick	1008.5	45	SSW	1	r	1011.1	+8.	40	-6	S	1	-	c	2	9	46	39	om	omp.	omr. bc	0.0
Nairn	1006.8	44	-	o	r	1013.4	+	44	-6	W	3	-	bc.	2	4	50	42	og	od.	cog.	0.0
Aberdeen	1009.3	46	SSW	2	r	1012.9	+9	42	-3	NW	2	-	b	2	1	51	42	bc. c. om	omr.	omr. b	0.0
Leith	1010.5	53	WSW	4	o	1015.6	+5	45	-7	W	3	W	b	3	1	53	44	bcg. o	od. o	og. b	0.0
Tynemouth	1014.8	53	W	2	om	1014.7	+2	46	-8	WNW	5	-	b	3	-	54	44	cmg	omg	og.	0.0
Spurn Head	1018.6	49	WNW	5	og	1016.1	+2	47	-1	NW	7	-	bcg	7	-	50	45	c	og	bcg.	0.0
SOUTH BRITAIN.																					
Yarmouth	1020.0	52	W	1	bc	1016.2	+2.	49	-3	WNW	6	-	bc.	4	-	54	48	og	cm. bc.	og.	0.5
Clacton-on-Sea	1022.2	63	WNW	2	o	1019.3	+1	47	-4	WNW	2	-	bc	2	-	54	45	c. d. c.	c. o	o.c. bc	0.0
Nottingham	1020.7	52	W	4	c	1020.4	+	48	-3	W	4	W	b	8	1	55	48	md. o	oe. c.	c. o	0.0
Benson (Oxon.)	1024.2	50	WSW	2	o	1022.1	+1	45	-2	WSW	1	-	bc	8	-	52	45	o	c	bc.	0.0
Sth Farnborough	1024.5	51	W	3	o	1022.2	o	48	-1	WSW	2	-	b	8	Trace	52	47	o	o	o. b	0.0
London (Kew Obsy.)	1023.9	51	WSW	4	o	1022.2	+2	48	-2	WSW	4	W	bc	8	Trace	54	48	bc. c. o	o.c. bc. c. o	o. bc. b. bc	0.0
NORTHERN EUROPE.																					
Spitsbergen	1024.7	-15	S	1	b	1019.7	-1	-23	-23	S	2	+	b	8	+	0	-28				
Vardö	1009.7	21	ENE	2	bc	1006.9	-3	18	-1	NE	3	-	o	3	+	21	19				
Bodö	1009.0	14	E	4	b	1003.9	?	10	-4	E	5	-	b	2	-	14	10				
Christiansund	1003.5	32	SW	1	o	999.9	o	37	+3	W	4	-	s	4	4	34	30				
Skudesnaes	1007.1	43	-	o	m	1003.4	+5	39	o	E	3	-	o	2	2	43	29				
Færder (Miania Fjord)	1009.6	30	SSE	2	o	1001.6	+1	27	o	NNE	6	-	o	2	Trace	30	25				
The Scaw (Skagen)	1010.3	39	E	2	o	998.9	-3	39	+5	-	o	-	m	1	1	39	30				
Blaavands Huk	1012.3	44	NW	1	o	997.2	-6	43	+4	NW	5	-	o	5	6	45	39				
Copenhagen	1011.7	37	-	o	o	1000.3	-8	44	+4	ENE	2	-	r	8	6	41	36				
Bornholm	1011.1	36	SSE	1	o	1001.2	-9	39	+3	SSW	2	-	r	1	1	39	32				
FRANCE, &c.																					
The Helder	1017.2	46	W	3	o	1011.7	-2	46	o	W	7	-	b	4	Trace	48	46				
C. Gris Nez	1024.0	49	WSW	4	c	1022.0	o	48	o	WSW	5	+	o	5	-	50	46				
La Hève	+	48	W	3	o	+	+	45	-3	?	5	+	f	4	1	50	48				
Brest (St. Mathieu)	1032.4	53	WNW	3	o	1031.9	o	50	-3	WNW	4	+	o	3	-	54	48				
Rochefort (Ile d'Aix)	1033.2	52	WSW	3	o	1033.2	o	48	-1	W	2	+	o	8	-	52	48				
Biarritz	1038.5	54	NW	1	o	1032.7	-1	50	-2	-	o	+	f	3	1	54	48				
GALES.																					
Duration and Extreme Force in British Islands.																					
Stornoway Gale force 3 in early morning.																					
Castlebay 1st 9 p.m. - 11 p.m. W 9																					
Glasgow 1st 11 p.m. - 2nd early morning W 8																					
Eskdalemuir 2nd 1 a.m. Gust W 25 m.p.s.																					
2nd 2 a.m. - 3 a.m. WNW 8																					
Malin Head 1st 10 p.m. - 2nd 2 a.m. WSW 8																					
Ex. WSW 11 at 10 p.m.																					
Nairn 1st 11 p.m. - 2nd 4 a.m. WSW 8																					
Aberdeen 2nd 3 a.m. - 4 a.m. W 8																					
Gust 28 m.p.s.																					
SOUTHERN STATIONS.																					
Corunna	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Madrid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Lisbon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Azores (Horta)	1022.7	+	SSW	7	m	+	+	+	+	+	+	+	+	+	+	+	+				
Madeira	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Gibraltar	1027.1	58	E	5	b	1026.1	+	57	-1	SE	5	+	c	2	-	60	57				
Malta	+	+	+	+	+	1020.3	+1	55	-2	NW	3	-	b	2	-	61	55				
Limassol	+	+	+	+	+	1014.0	+3	45	-12	W	1	-	c	2	7	64	43				
Alexandria	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Cairo (Helwan)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
LONDON OBSERVATIONS.																					
25 h. Yester-day.		9 h. To-day.		Sun- shine for Yester- day.	24 HOURS ENDED 9 h. TO-DAY.										SOUTH KENSINGTON.						
HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.															
Max.		Min.		Min. on Grass.	Morn- ing.										After- noon.			Night.			
GREENWICH (Royal Observatory)		85	87	0.0	55	48	41	+	o	c	o.k. o	Vertical Component of Solar Radiation per square Centimetre during Yesterday.			Total.	Average Rate.	Max. Rate.				
CITY (Bunhill Row)		85	87	0.0	55	48	41	+	o	c	o.k. o				Jonies.	Milliwatts.	Milliwatts.				
WESTMINSTER (St. James's Park)		82	88	0.0	56	48	39	-	og	ou	o.k. m	Temperatures at Greenwich and Cam- den Square are from Glaisher screens.			81	2.8	11.0				
CAMDEN SQ. (British Rainfall)		87	92	0.0	55	47	42	-	o	c	bc.										
HAMPSTEAD (Reservoir)		87	93	0.0	52	44	28	-	o	c	bc.										
S. KENSINGTON (Museum Grounds)		87	89	0.0	53	49	44	Trace	o	o. b	b. bc. c										
RICHMOND PARK		87																			

* Information for these columns not usually received.

† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NO
WARNINGS
ISSUED.

Western Channel and Bay 11

Wind between South-West and North-West,
strong and squally at times in many localities;
fair to dull, local passing showers; mild.

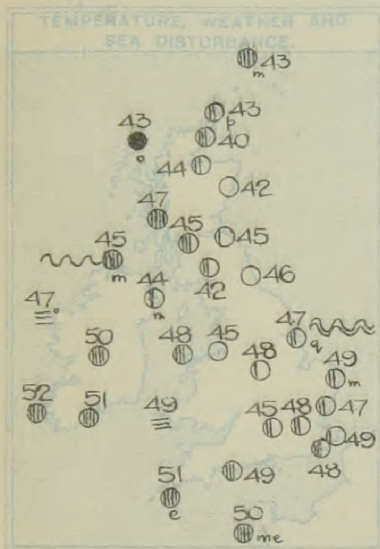
Moderate to fresh Westerly breeze; sea rough;
fair to dull, local mist or fog; mild.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF TUESDAY, 2ND JANUARY, 1917.

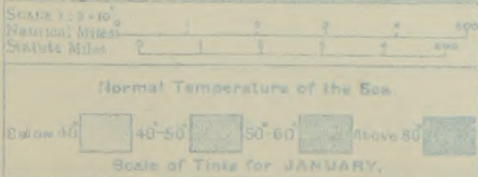
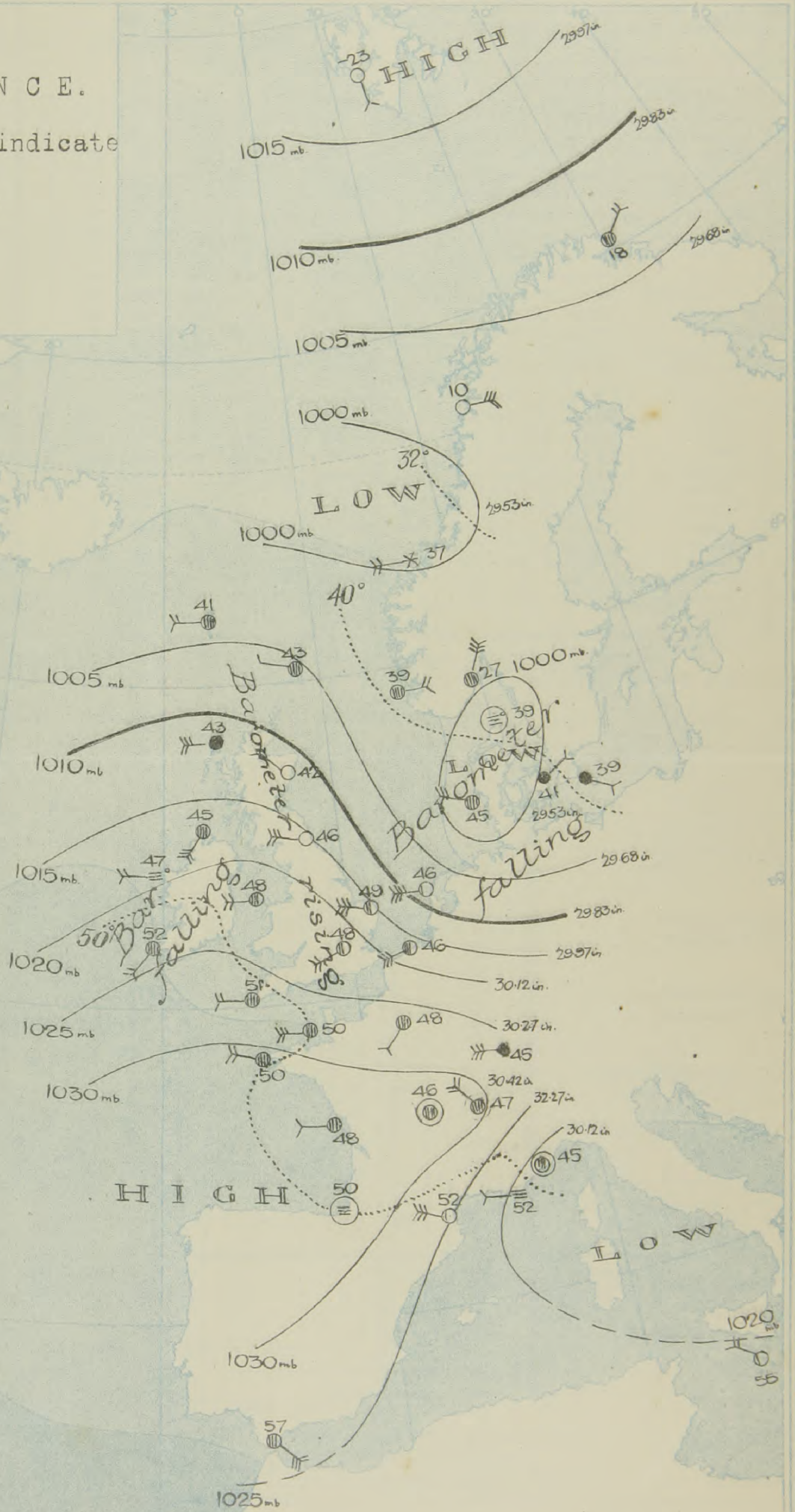
GENERAL INFERENCE.

The changes in progress indicate the prevalence of changeable conditions generally.



EXPLANATION.

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



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.							PAST 24 HOURS.			MORNING.									
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.			
RUSSIA 7 a.m. and 9 p.m. Local Time.																								
Archangel ...		° F.				994.4	+1	-2	-7	NE	2	c	-	° F.	° F.									
Gorki ...	1008.8	8	E	1	b	994.4	+1	5	-9	-	3	o	-	*	-4	993.3	37	F	S	5	bc			
Veliki Luki ...	1007.9	3	SE	2	bc	994.4	*						-	*	-4	997.1	34		SW	2	s			
Hangö ...						1005.7	+3	9	-	-	0	c	19	*	0	999.0	37		W	2	o			
Riga ...	1001.0	2	SE	2	o	995.5	-3	25	+13	-	0	s	6	*	12	994.6	36		SW	6	r			
Petrograd ...	1004.0	9	WNW	2	o	1005.1	+1	5	+4	SW	1	s	-	5	1	1005.0	36	+3	-	o	c			
Moscow ...	1002.2	9	NW	2	o	1011.9	+1	9	-3	SW	2	o	-	*	7									
Kiev ...	1011.0	21	SE	3	o	1009.7	0	12	-13	SE	3	o	-	*	10									
Kharkov ...	1011.5	-2	N	2	o	1013.2	+2	?	-	SW	1	b	-	*	-18									
Kishinev ...	1010.9	32	-	0	o	1007.1	0	28	-9	-	0	o	-	*	27									
Elisabetgrad ...	1011.5	16	NE	2	bc	1011.1	?	12	-16	ESE	3	o	-	*	10									
Nicolaiev ...	1010.4	27	NNE	2	o	1009.6	*	21	-15	NE	2	o	-	*	19									
Odessa ...	1009.0	30	ENE	3	o	1009.9	+1	25	-11	ENE	3	o	-	*	23									
Tarkhankout ...	1007.0	32	NE	4	o	1006.6	*	25	-16	NE	4	c	3	*	27									
Soukhom ...	1012.9	37	NNE	2	b	1010.4	0	41	-	NE	2	o	-	*	?									
MEDITERRANEAN.																								
Venice ...	1016.0	37	NNE	1	f	1015.4	*	39	+3	ENE	1	f	-	39	34									
Pesaro ...	1014.6	36	SW	2	b	1016.7	*	39	0	NW	1	b	-	50	36									
Rome ...	1018.2	50	N	1	o	1017.2	*	39	-9	N	1	f	-	50	39									
Viesti ...	1017.2	50	NW	1	f	1013.6	*	54	0	NW	2	b	3	57	46									
Brindisi ...	1016.0	55	NNW	3	b	1012.4	*	48	-2	SW	2	o	-	50	48									
Cagliari ...	1018.8	61	NW	6	b	1019.1	*	54	-1	NW	7	b	-	70	48									
Palermo ...	1019.4	55	SSW	2	o	1018.7	*	48	-9	-	0	f	-	63	41									
Tripoli ...	1023.6	61	NW	2	c	1022.0	*	61	+9	NNW	3	c	Trace	64	52									
Algiers ...	1028.9	54	-	0	c	1028.2	0	50	0	-	0	b	-	*	*									
SWEDEN.																								
Hernösand ...						1012.4	*	3	-20	-	0	b	*	*	*									
Stockholm ...						1008.8	*	23	-9	N	2	o	*	*	*									
Wisby ...						1008.7	*	14	-20	NE	4	o	*	*	*									
HOURS OF OBSERVATION G.M.T.																								
																	Morning.		Evening.					
																	h.		b.					
British Isles ...																	7		18					
France ...																	7		18					
Norway ...																	7		18					
Sweden ...																	7		17					
Denmark ...																	7		18					
Holland ...																	7		18					
Italy ...																	7		20					
Egypt ...																	6		18					
Corunna... ..																	7		16					
Madrid ...																	8		16					
Lisbon ...																	7		21					
Azores ...																	8		17					
Madeira ...																	7		21					
Malta ...																	8		—					
Limassol ...																	6		—					

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	h. 7	h. 18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	-
Limassol ...	6	-

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night. 12h-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 12h-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.			
Scotland.	Oban	3	4	50	48	abc	0.0	England, E.	Lowestoft	1	-	54	50	c.c.	c.c.	0.7	
	Banff	2	1	49	43	c	0.0		Felixstowe	Trace	-	54	48	bc	bc.m.	1.5	
	Montrose								Walton-on-Naze								
	Carnoustie	*	*						Southend-on-Sea	Trace	-	53	47	o	oz	0.0	
	St. Andrews																
Eng. N.E.	Harrogate	1	2	52	48	acbc.	0.0	England, S.E.	Margate	2	-	54	48	c.o	c.o	0.0	
	Skegness	-	-	55	49	o	0.0		Ramsgate	Trace	-	54	48	c	c.a	0.3	
Eng. N.W.	Morecambe								Hastings	1	-	54	48	orbc	o	0.8	
	Southport								Eastbourne	-	-	52	47	o.bc	bc.a	0.5	
									Seaford	*	*	53	46	o	o	0.0	
Midlands.	Leamington Spa							England, S.W.	Brighton								
	Malvern	Trace	-	54	51	c	c		0.2	Worthing			53	48	o	bc	0.2
	Ross-on-Wye			55	48	c.c.	bc.bcz		0.0	Littlehampton	-	-	54	49	o	o	0.0
Wales.	Rhyl	*	*	56	51	oc	abc		0.7	Bognor	*	*					
	Colwyn Bay	*	*	56	54	bc	bc		0.7	Bournemouth	-	-	55	47	o	abc	1.0
	Llandudno	*	*	53	49	c	c	0.1	Weymouth	*	*	53	47	oc	bc.c	0.4	
	Aberystwyth	*	*	49	46	r.o.c	c.o	0.0	Torquay	-	-	55	50	oc bc	bc.c.o	3.7	
	Tenby							Paignton	*	*							
								Penzance	Trace	Trace	52	50	oz	of.m	0.0		
								Newquay	1	Trace	51	48	od.	o	0.0		
								Bude	-	Trace	51	48	o	o	0.0		
								Ilfracombe	Trace	Trace	52	45	fbo	f	0.0		
								Weston-s-Mare	Trace	-	48	46	omd	o.cm	0.0		

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

21 st January 1917.			
	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.6	11.57	3.48
Greenwich ...	8.6	12.4	4.1
Wick ...	9.5	12.16	3.28
Valencia ...	8.51	12.45	4.29

NOTES ON YESTERDAY'S WEATHER.

Very high day and night temperatures were general. There was little or no sunshine, but the rainfall was local and slight.

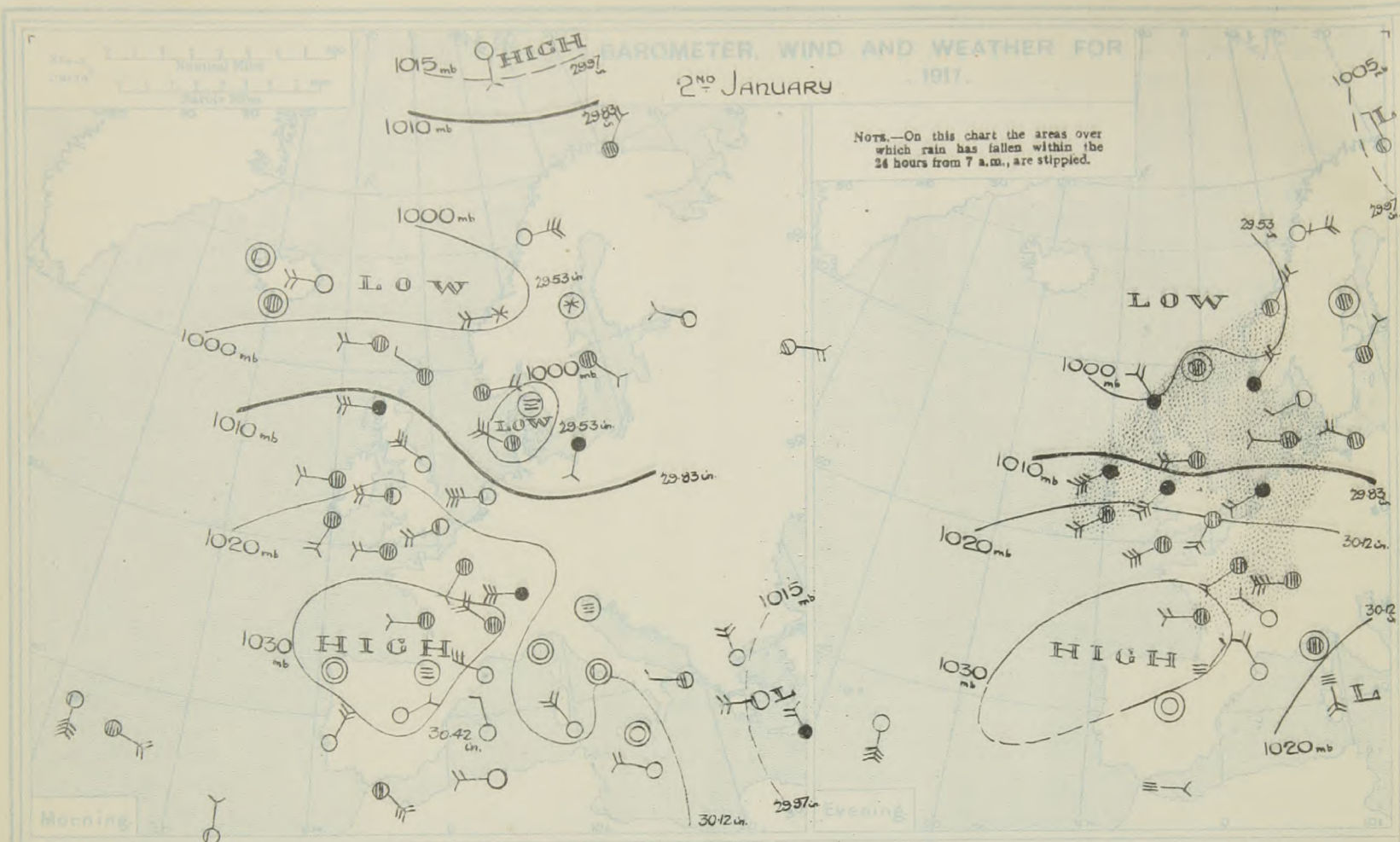
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 3

Wednesday,
3rd January.

STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS							Sun- shine for Yester- day.
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer.		Temp.		WIND.		Direc. of Upper Cloud	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	1000.4	43	—	0	om.	1001.5	0	39	—	0	—	c	0	9	43	38	omp	omp.	cp	—		
	Deerness (Orkney)	1009.7	40	S	2	age	1002.7	*	41	—	2	—	age	2	6	44	38	cp.or.	r.or	op.o	0.0		
	Stornoway	1000.0	41	NW	3	od	1000.9	—	45	—	3	—	or	3	14	45	39	od.r	od	c.or	0.0		
	Castlebay (Barra Isd.)	1004.1	52	W	5	op	1004.6	—	50	—	5	—	r	5	18	52	44	or	r.op	op.or	0.0		
	Glasgow	1005.3	50	WSW	6	omd	1007.1	—	49	—	2	—	orm	*	13	51	42	c.omr	omr	omr.or	0.0		
	Eskdalemuir	1006.6	52	W	7	er	1008.7	—	48	—	4	—	or	*	10	52	40	bc.c.od	omr	c.od.or	0.0		
	Malin Head	1007.5	50	W	7	omgr	1006.7	—	49	—	4	—	omgd	6	10	50	43	omgr	omgr	omgd	0.0		
	Blacksod Point	1013.6	50	SW	7	omr	1010.9	—	49	—	2	—	ofd	6	6	51	48	omr	omr	omd	—		
	Valencia	1021.9	53	SW	4	o	1019.8	—	51	—	3	—	o	5	0.1	54	50	o.c	o	o.c	0.0		
	Roche's Point	1021.9	53	WSW	4	o	1020.0	*	51	—	4	—	o	4	Trace	53	50	adm.o	om.o	o.c.o	—		
	Birr Castle	1017.7	53	W	3	r	1016.5	*	50	—	2	—	r	*	1	55	49	om.o	od	od	0.0		
	Donaghadee	1010.6	53	W	4	omgp	1010.2	—	53	—	3	—	omd	3	6	53	48	omr	omgp	omr	—		
	Liverpool (Bidston)	1014.3	52	SW	5	o	1012.4	—	51	—	6	—	WSW	7	6	53	45	o	or	og	0.0		
	Holyhead	1015.9	50	SW	6	omd	1015.2	—	52	—	4	—	c	5	7	53	46	c.o.c.op	op.o.or	on.c.c	0.0		
	Pembroke (St. Ann's)	1020.7	51	WSW	5	og	1019.3	—	50	—	4	—	og	4	—	51	49	of	o.c	og	0.0		
	Scilly (St. Mary's)	1025.8	50	WSW	6	o	1023.7	—	50	—	4	—	o	*	—	51	49	o.c.c.c	c.o	c.b.g.og	0.1		
	Palmouth	1025.8	50	WSW	6	o	1023.7	—	50	—	4	—	o	*	—	51	49	o.c.c.c	c.o	c.b.g.og	0.1		
	Jersey (St. Aubin)	1027.8	51	W	3	oe	1024.9	*	51	—	4	—	oe	3	—	52	50	oem	oe	o.c.o.e	0.0		
	Portland Bill	1023.8	49	WSW	5	c	1021.2	—	50	—	4	—	o	4	—	50	49	c.o	of	c.o	—		
	Dunghess	1020.2	48	SW	4	f	1017.0	—	48	—	5	—	bc	5	—	52	48	o.c	c.of	bc	—		
	Dover	1019.9	48	SW	4	r	1017.4	—	52	—	4	—	bc	4	0.3	52	47	bc.c	c.od	od.c.bc	1.0		
	Wick	1001.4	41	—	0	r	1003.9	—	40	—	1	—	o	2	5	43	36	bc.omr	omd	o	—		
	Nairn	1000.2	40	—	0	odg	1003.5	*	42	—	0	—	od	1	8	44	39	bc.c.no	d.o	ogp	0.0		
	Aberdeen	1001.3	43	S	3	o	1005.3	—	41	—	0	—	r	2	13	45	38	bc.or	or	o.bc.or	0.0		
	Leith	1002.3	52	W	5	o	1006.0	—	51	—	4	—	r	3	4	53	43	bc.od.o	og.o	o.c.g.or	—		
	Tynemouth	1007.0	53	W	4	omgp	1008.7	*	52	—	2	—	omd	3	1	53	44	om	omgr	omgd	—		
Spurn Head	1012.3	45	WSW	5	og	1012.1	—	48	—	4	—	omgr	4	2	49	42	om	og.mr	omg	0.0			
Yarmouth	1016.1	46	WSW	3	omr	1013.6	—	52	—	3	—	om	2	3	53	45	em	bc.m	ogp.om	1.8			
Clacton-on-Sea	1019.4	45	WSW	1	r	1015.7	—	50	—	3	—	o	2	3	50	44	bc.c	c.ogr	ogrog	0.5			
Nottingham	1014.5	50	WSW	3	r	1013.9	—	52	—	2	—	d	*	2	54	46	bc.c.om	op	no	0.0			
Benson (Oxon.)	1020.2	50	WSW	4	o	1017.8	—	50	—	4	—	o	*	—	51	44	o	o	o	—			
Sth Farnborough	1021.1	51	W	3	o	1018.2	—	50	—	4	—	o	*	—	52	44	b.bc.o	o	o.c.o	0.0			
London (New Obs.)	1020.7	52	WSW	4	o	1018.0	—	52	—	4	—	o	*	Trace	52	48	bc.o	o	c.bc.o	0.1			
NORTHERN EUROPE.	Spitsbergen	1004.2	23	N	1	bc	1007.0	—	7	—	3	*	b	*	*	23	14	UPPER AIR. South Farnborough. Pilot Balloon Ascent at					
	Vardö	1004.2	23	N	1	bc	1007.0	—	7	—	3	*	b	*	*	23	14						
	Bodö	1005.2	10	E	4	b	1006.0	—	10	—	4	—	b	*	*	10	7						
	Christiansund	999.8	32	NE	1	c	1002.7	—	25	—	12	—	ENE	4	—	8	27						
	Skudesnaes	1001.7	39	NE	3	r	1000.6	—	37	—	2	—	ESE	1	—	9	44						
	Færder (Xt. Fjord)	1003.4	30	W	1	m	999.7	—	27	—	0	—	N	4	—	30	27						
	The Scaw (Skagen)	1005.5	32	WSW	1	b	999.4	—	39	—	0	—	WNW	1	—	24	41						
	Blaavands Huk	1008.8	44	NW	2	o	1001.5	—	39	—	6	—	NW	1	—	5	45						
	Copenhagen	1006.3	39	NNW	3	o	1001.1	—	37	—	4	—	SW	2	—	3	41						
	Bornholm	1004.2	27	NW	3	o	1001.5	—	36	—	3	—	SSE	1	—	4	39						
FRANCE, &c.	The Helder	1015.7	45	WSW	3	r	1009.7	—	48	—	2	—	o	4	5	48	45						
	C. Gris Nez	1020.8	48	SW	6	r	1017.0	—	49	—	4	—	o	5	1	50	48						
	La Hève	*	45	W	5	f	*	—	47	—	2	—	W	5	*	50	45						
	Brest (St. Mathieu)	1030.7	50	W	4	o	1027.9	—	51	—	4	—	WNW	4	*	52	48						
	Rocheport (Ile d'Aix)	1031.9	48	W	3	o	1029.9	—	46	—	2	—	—	—	*	52	45						
	Biarritz	1031.8	52	NE	1	f	1029.6	—	47	—	3	—	E	1	*	55	46						
	Paris	1025.7	50	WSW	2	o	1022.7	—	50	—	4	—	o	*	Trace	52	48	GALES Duration and Extreme Force in British Islands.					
	Belfort	1027.7	40	W	7	o	1024.0	—	43	—	2	—	WSW	6	*	49	39						
Lyons	1029.9	46	NNW	2	b	1027.9	—	45	—	3	—	—	*	—	49	43							
Nice	1020.7	47	—	0	o	1019.0	—	44	—	2	—	—	*	—	55	41	Eskdalemuir 2nd 6p.m. Gust W 21 m.p.s.						
Perpignan	1026.3	52	NW	3	b	1023.3	—	50	—	2	—	NW	3	—	57	45							
Sanguinaire	*	55	S	4	f	*	—	52	—	4	—	E	3	*	59	48							
SOUTHERN STATIONS.	Corunna	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
	Madrid	1027.5	57	—	0	b	1029.0	—	36	—	9	—	m	*	—	59	36						
	Lisbon	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
	Azores (Horta)	1021.0	*	SSW	9	c	—	—	—	—	—	*	bc	3	—	63	55						
	Madeira	1024.0	61	N	2	o	1023.4	—	55	—	0	—	NE	3	—	60	46						
	Gibraltar	1025.4	55	E	2	m	1023.3	—	47	—	10	—	SE	6	*	60	46						
	Malta	*	*	*	*	*	1018.0	—	57	—	2	—	NW	5	—	51	55						
	Limassol	*	*	*	*	*	1006.6	—	43	—	4	—	N	2	—	55	39						
	Alexandria	1011.3	52	NNW	6	o	1013.9	—	59	—	4	—	WNW	5	NW	63	50						
	Cairo (Helwan)	1012.7	52	WNW	3	o	1015.8	—	50	—	2	—	S	2	—	61	46						
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for Yester- day.	24 HOURS ENDED 9 H. TO-DAY.										SOUTH KENSINGTON.								
15 h. Yester- day.	9 h. To-day.	TEMPERATURE.			Rain- fall.	WEATHER.			Vertical Component of Solar Radiation per square Centimetre during Yesterday.														
GREENWICH (Royal Observatory)	82	86	0.0	52	48	45	—	c.o	o.p.o	o	Total.			Average Rate.	Max. Rate.								
CITY (Bunhill Row)	*	*	0.0	53	49	42	—	o	om	o	Joules.			Milliwatts.	Milliwatts.								
WESTMINSTER (St. James's Park)	79	88	0.0	53	49	42	—	o	om	o	152			5.4	11.5								
CAMDEN SQ. (British Rainfall)	80	89	0.0	52	47	43	—	bc.o	o	*													
HAMPSTEAD (Reservoir)	*	*	0.1	50	48	41	Trace	op	c	oe.													
S. KENSINGTON (Museum Grounds)	*	90	0.1	54	48	46	Trace	o	op.	o.c.o													
RICHMOND PARK	*	*	0.1	*	*	*	Trace	*	*	*													
Temperatures at Greenwich and Cam-																							



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NO
WARNINGS
ISSUED.

Western Channel and Bay. 1)

Wind between South-West and North-West,
strong at times locally; dull, some rain; mild.

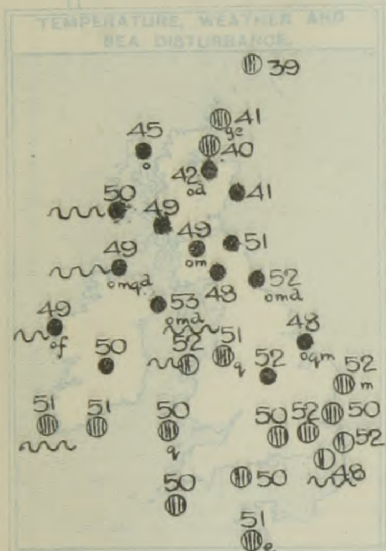
Moderate Westerly to variable breezes; sea moderate; dull to fair, local mist or fog; mild.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF Wednesday, 3RD JANUARY, 1917.

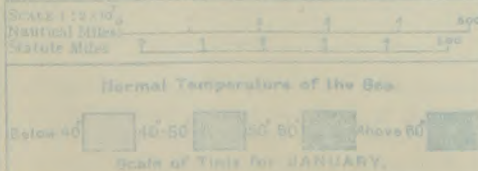
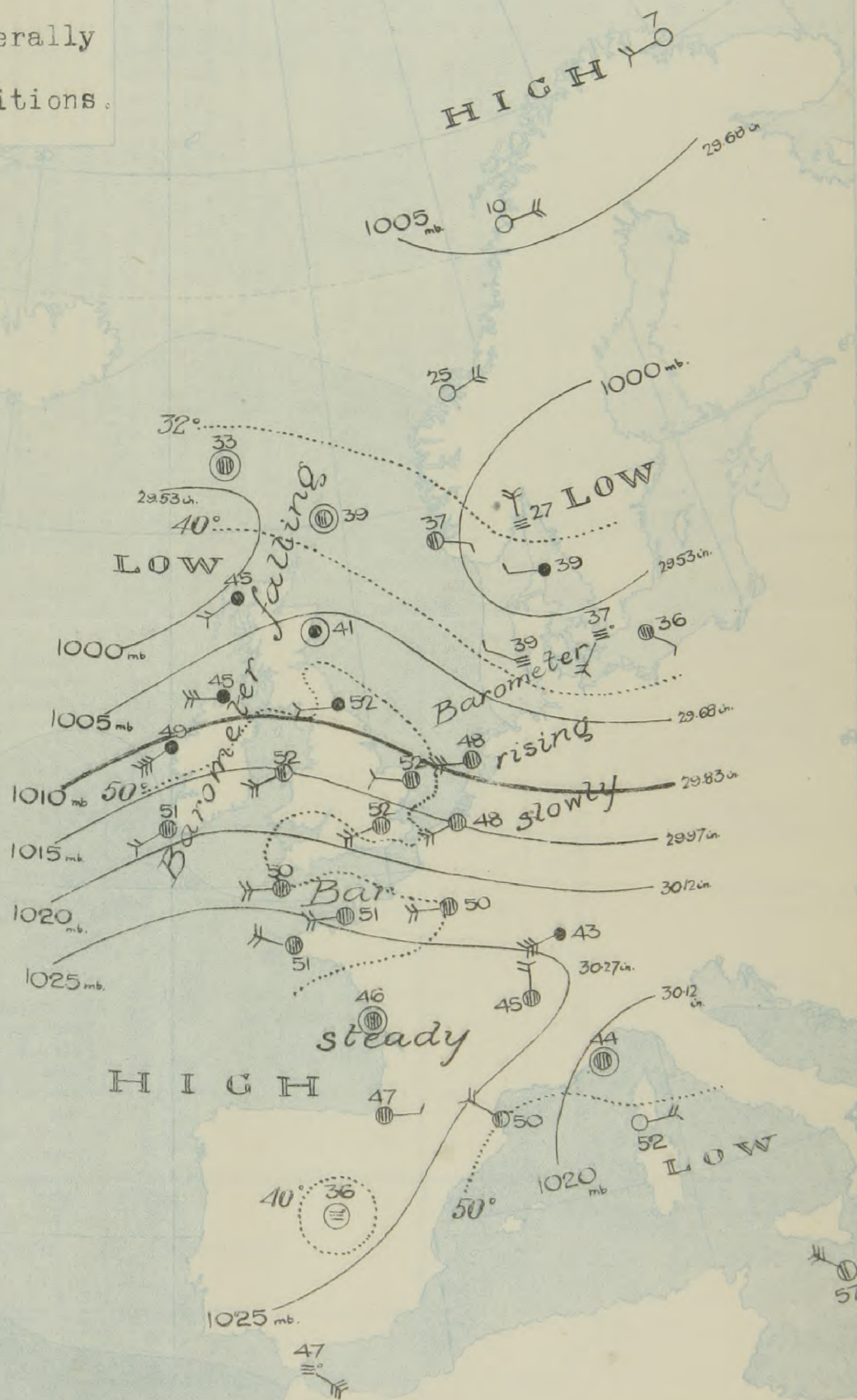
GENERAL INFERENCE,

Atlantic depressions continue to skirt our western and northern coasts, maintaining a generally unsettled, mild type of conditions.



EXPLANATION.

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



55

REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.							PAST 24 HOURS.			MORNING								
	Barom. Millibars at M.S.L.	WIND.			Weather.	Barometer. Millibars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	Weather.	Rain-fall. Millimetres.	TEMP.		-ICELAND.	Barom. Millibars at M.S.L.	TEMP.		WIND.		Weather.		
		Temp.	Dir.	Force 0-12.				Dry Bulb.	Change in 24 hours.					Max.	Min.			Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.			
RUSSIA 7 a.m. and 9 p.m. Local Time.																								
Archangel	1007.3	1	E	2	0	1009.5	+2	-8	-6	ENE	2	c	-	*	-10	Isafjord	998.6	25	-12	-	0	b		
Gorki	998.4	12	SE	3	S	1003.8	+8	1	-4	NW	3	b	1	*	-8	Reykjavik	997.6	34	0	E	2	c		
Velieki Luki	1000.4	12	NW	2	S	1009.0	*	1	...	WNW	3	o	6	*	0	Vestmanna	999.9	36	-1	-	0	o		
Hangö	...	...	...	...	...	1009.7	-1	-2	-11	-	0	o	-	*	-8	Seydisfjord	999.5	32	-4	W	4	b
Riga	1009.7	16	-	0	S	1010.6	0	14	-11	S	1	o	-	*	14	Thorshavn	1002.9	41	+5	W	3	o		
Petrograd	1005.7	0	WNW	2	b	1007.9	+2	-2	-7	WNW	2	b	-	S	-2									
Moscow	1011.0	1	SSE	3	bc	1008.7	-2	-4	-13	SE	3	bc	-	*	-6									
Kiev	1006.1	25	S	3	o	1008.0	+5	19	+7	WNW	3	o	3	*	?									
Kharkov	1004.1	-11	-	0	b	1010.6	-1	-13	...	SW	1	o	-	*	-20									
Kishinev	...	...	...	...	...	...	...	...	...	...	...	...	...	*	...
Elisabetgrad	1011.8	7	SE	2	b	1007.7	0	27	+15	WNW	1	o	1	*	5									
Nicolaiev	1012.2	19	ENE	2	c	1011.5	*	28	+7	SW	2	o	-	*	9									
Odessa	1012.6	21	ENE	2	o	1010.1	0	30	+5	W	3	o	-	*	21									
Tarkhankout	1011.7	28	E	2	o	1011.5	*	30	+5	-	0	o	-	*	25									
Soukhoum	1005.1	46	ENE	2	r	1002.0	0	46	+5	ENE	2	r	15	*	41									
MEDITERRANEAN.																								
Venice	1010.7	41	WNW	1	f	1016.2	*	37	-2	W	1	f	-	43	37									
Pesaro	1016.7	43	-	0	-	1017.3	*	55	-4	SW	1	f	-	50	35									
Rome	1019.1	48	NE	1	b	1020.0	*	59	0	N	1	b	-	55	37									
Viesti	1017.5	52	NW	1	b	1017.5	*	50	-4	E	1	b	-	57	46									
Brindisi	1016.7	57	WNW	2	b	1016.4	*	52	+4	NW	1	bc	-	50	48									
Cagliari	1019.1	55	NW	5	b	1019.1	*	54	0	NW	4	b	-	68	46									
Palermo	1018.6	52	E	1	b	1021.3	*	50	+2	-	0	b	-	64	41									
Tripoli	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Algiers	1027.8	54	SW	3	b	1026.6	*	52	+2	W	3	b	-	59	50									
SWEDEN.																								
Hernösand	1012.3	-2	-	0	b	1006.0	*	7	+4	-	0	S	*	*	*									
Stockholm	1012.4	+9	W	2	bc	1004.4	*	19	-4	SE	2	o	*	*	*									
Wisby	1011.5	27	E	2	o	1003.4	*	28	+14	SE	2	o	*	*	*									

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	-
Limassol ...	6	-

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.		Rainfall.		TEMPERATURE.		WEATHER.		Sun-shine	STATIONS.		Rainfall.		TEMPERATURE.		WEATHER.		Sun-shine
		Night. 12h-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.				Night. 12h-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	° F.	° F.			Hr.			Mm.	Mm.	° F.	° F.			Hr.
Scotland.	Oban	1	11	52	45	cr	o	0.0	England, E.	Lowestoft	-	-	48	46	c	c.or	1.5
	Banff	0	8	44	40	or	or.d	0.0		Felixstowe	-	1	50	46	bc	bc.or	0.8
	Montrose	*	*							Walton-on-Naze	-	-					
	Carnoustie	*	*							Southend-on-Sea	-	-	50	45	o.c	o	0.5
	St. Andrews	*	*														
Eng. N.E.	Harrogate	-	3	50	42	od. r	r	0.0	England, S.E.	Margate	-	Trace	51	47	c	or	0.0
	Skegness	-	6	47	44	b or	o	3.0		Ramsgate	-	-	49	45	c o	o	0.0
Eng. N.W.	Morecambe	1	15	49	44	-	-	0.0		Hastings	-	-	52	46	o	c o	0.0
	Southport	-	4	50	44	c o	or. o	0.0		Eastbourne	-	-	51	47	o.bc	o.c	0.0
Midlands.	Leamington Spa	-	-	52	47	bc	bc	0.0		Seaford	*	*	51	46	o	c	0.4
	Malvern	-	-	52	47	bc	bc	0.0		Brighton	-	-	49	46	o	o	0.0
	Ross-on-Wye	-	-	53	48	o c om	om	0.2		Worthing	-	-	51	46	o	o	0.0
Wales.	Rhyl	*	*	59	45	c	cb	0.0		Littlehampton	-	-	51	46	o	o	0.1
	Colwyn Bay	*	*	59	45	c	cb	0.0		Bognor	*	*	51	48	o.bc	bc o	0.0
	Llandudno	*	*	57	46	c or	r	0.0		Bournemouth	-	-	52	47	o	o	0.0
	Aberystwyth	*	*	49	46	m. o	c. o	0.0									
England, S.W.	Tenby	*	*	49	46	m. o	c. o	0.0	England, S.W.	Weymouth	*	*	51	49	o.c	c.bc	0.0
										Torquay	-	-	52	49	o	o	0.0
										Paignton	*	*					
										Penzance	-	-	52	50	or	or	0.0
										Newquay	Trace	-	51	48	f. c	o	0.0
										Bude	Trace	5	50	47	o	o	0.0
									Ilfracombe	Trace	Trace	52	45	om	o	0.0	
									Weston-s-Mare	Trace	Trace	49	45	fd	c o	0.0	

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

3 rd January, 1917.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 8.6 8.5	G.M.T. 11.58 11.58	G.M.T. 3.49 3.50
Greenwich ...	8.8 8.8	12.5 12.5	4.1 4.2
Wick ...	9.4 9.3	12.17 12.17	3.29 3.30
Valencia ...	8.51 8.50	12.46 12.46	4.40 4.41

NOTES ON YESTERDAY'S WEATHER.

Temperature continued much above the usual level everywhere. Considerable rain fell in many districts. There was an almost entire absence of sunshine.

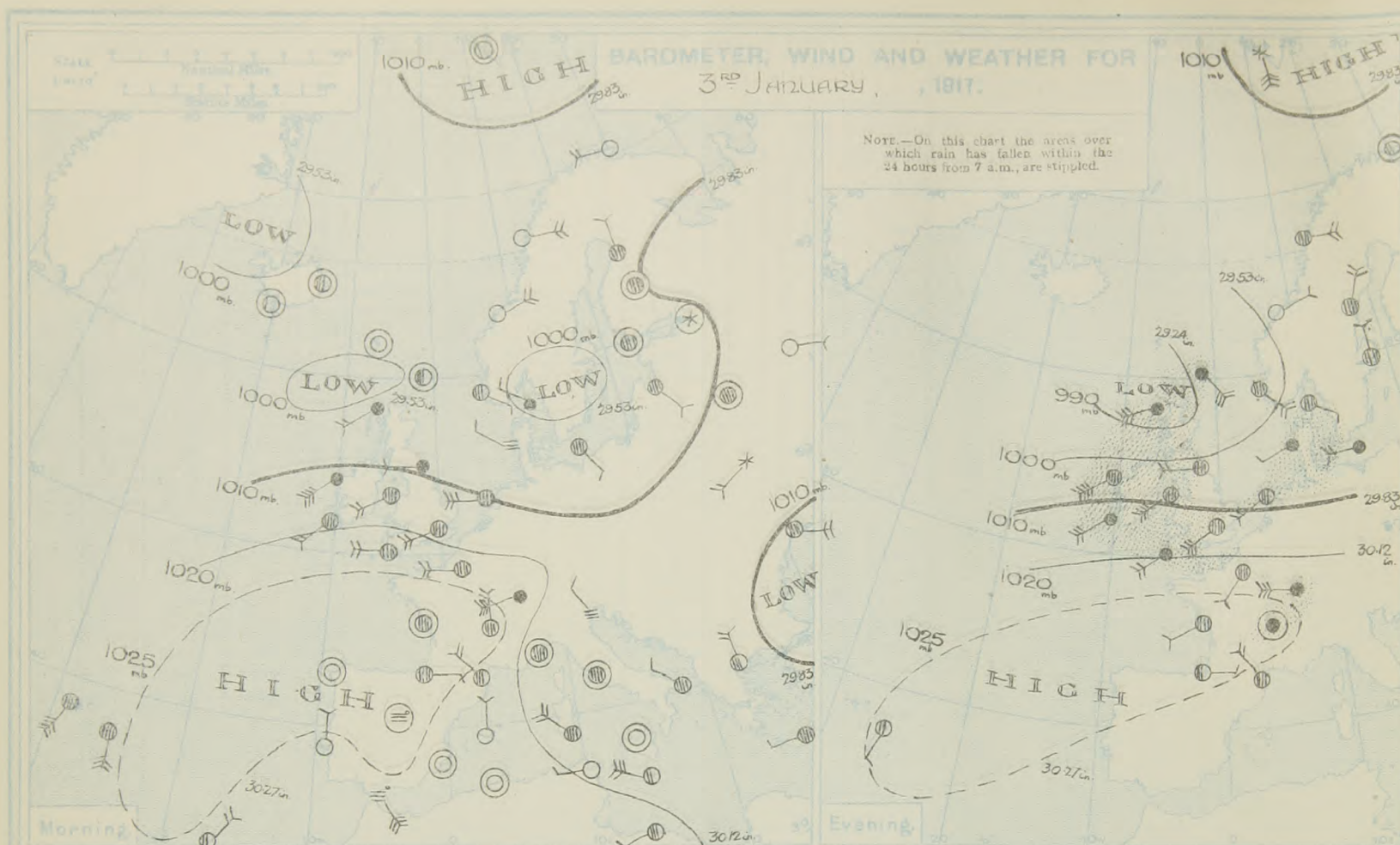
NOTE.—The information relating to weather is indicated by the following letters:—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; l, lightning; m, mist; n, overcast sky; p, passing showers; q, squalls; r, rain;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

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 4

Thursday
4th January

STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.						Sun- shine for Yester- day. Hours.
	Barom. Milli- bars at M.S.L.	Temp.	Wind.		Weather.	Barometer.		Temp.		Wind.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	Temp.		Weather.				
			Direc.	Force 0-12		Milli- bars at M.S.L.	Change in 5 hours.	Dry Bulb. °F.	Change in 24 hours. °F.	Direc.	Force 0-12					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	990.9	40	SE	5	or	993.0	+6	29	0	NE	8	-	aq	7	18	41	38	c om	or	aq	*
	Deerness (Orkney)	985.1	46	SSE	2	fr	991.6	*	41	0	N	4	-	b	3	31	46	40	or	r	r.o.c.bc	0.0
	Stornoway	988.2	47	WSW	6	org	1002.5	+4	40	-5	NNW	7	-	aq	5	18	49	38	or	org	or.cq	0.0
	Castlebay (Barraisd.)	993.9	49	W	5	op	1007.4	+4	43	-7	WNW	6	W	bcq	6	6	50	38	r	r.op	cp.bcq	0.0
	Glasgow	997.3	48	SW	5	omgr	1001.6	+3	38	-11	W	4	-	b	*	9	50	38	or.cq.c	agr	aq.cp.b	0.0
	Eskdalemuir	999.9	47	SW	5	orm	1001.7	+2	38	-10	WNW	7	-	b	*	9	50	47	cr.o.or	o.omr	org.o.c	0.0
	Malin Head	998.1	50	WSW	7	cmg	1006.5	+2	43	-6	NW	7	NW	cmg	8	0.4	51	40	cmg	omgp	cmg	0.0
	Blackod Point	1005.6	49	SW	8	ogm	1015.4	+3	41	-8	NNW	8	NW	bc	6	3	49	38	ofr	omr	bep.bc	0.0
	Valencia	1013.3	51	SW	5	od	1019.3	+4	44	-7	NW	4	-	bq	*	2	52	42	o.c	o.c.d.	o.c.bcpq	0.2
	Roche's Point	1014.6	50	WSW	4	o	1017.2	*	41	-10	WNW	2	-	b	3	0.3	52	41	o	o	op.b	*
	Birr Castle	1008.9	51	SW	3	r	1015.2	*	37	-13	NW	1	-	c	*	1	52	37	od.c	c.od.r	od.c	0.1
	Donaghadee	1001.1	52	WSW	5	ogmq	1007.1	+4	40	-10	WNW	5	W	cmgp	4	1	53	40	ogmp	ogmq	bcmgp	*
	Liverpool (Bidston)	1007.7	49	SSW	4	o	1007.0	0	43	-8	WSW	6	SW	bcq	6	1	53	43	bc	aq	bcq	0.9
	Holyhead	1008.4	49	SW	7	ogmq	1010.0	+2	44	-8	WNW	7	NW	aq	6	Trace	52	44	c.o	o.c.og	o.c.bq	0.0
	Pembroke (St. Ann's)	1015.4	49	WSW	5	aq	1013.5	+2	47	-3	NW	4	NW	bcq	4	1	50	?	odqp	odqp	omgr.b	0.0
	Scilly (St. Mary's)																					
	Falmouth	1019.8	47	WSW	4	omd	1014.6	+1	47	-3	NW	3	-	o	*	2	50	46	c od	od.ond	d.bc.dq	0.0
	Jersey (St. Aubin)	1022.8	49	W	4	o	1014.2	*	49	-2	W	5	-	o	4	0.4	51	47	odp.oe	oe.o	od.o	0.0
	Portland Bill	1017.6	49	WSW	5	c	1010.5	-2	49	-1	WSW	4	-	or	4	1	50	47	o.c	c	bc.c.or	*
	Dungeness	1016.0	48	WSW	5	c	1008.2	-3	48	0	WSW	5	-	c	4	-	50	48	bc	bc	o.c.o.c	*
	Dover	1015.2	49	W	5	c	1008.9	0	49	-3	W	4	W	b	4	-	48	45	bc.o	o.c	bc.b.bc	3.6
Wick	986.3	46	SSW	4	r	994.9	+8	38	-2	NNW	5	-	r	4	24	47	37	omr	omr	g.omr	*	
Nairn	989.2	50	W	3	ogr	999.2	*	39	-3	W	5	-	ogq	3	10	50	39	d.ogr	rdq	cq	0.0	
Aberdeen	990.2	49	SW	4	b	994.1	+8	39	-2	WNW	6	-	org	4	12	50	38	or.om	om.c.b	bc.org	0.2	
Leith	994.6	52	WSW	7	c	999.1	+2	41	-10	W	4	W	b	4	1	53	40	rodq.o	ogd.o.c	c.cq.b	*	
Tynemouth	1000.2	53	W	3	omq	998.8	*	41	-11	W	5	-	bmq	3	1	53	39	omgp	omq	bmq	*	
Spurn Head	1007.7	49	W	5	cq	1000.6	0	44	-4	NW	8	-	bcq	6	-	50	42	cq	cq	bcq	0.0	
Yarmouth	1010.6	51	W	3	c	1004.2	+2	46	-6	NW	6	-	bq	4	1	55	45	bc	c	c.bcpq	1.6	
Clacton-on-Sea	1013.4	50	WSW	4	c	1006.1	-2	48	-2	W	4	NW	c	3	-	54	47	og.c.bc	bc.c	c.o.c	3.0	
Nottingham	1009.7	50	W	6	o	1005.8	*	44	-8	WNW	4	-	b	*	0.4	55	43	d.o.c	c.o	o	1.1	
Benson (Oxon.)	1015.0	50	WSW	4	o	1008.3	+1	44	-6	W	4	W	bc	*	1	50	44	o	o	a.or.bc	*	
Sth Farnborough	1015.1	50	W	2	o	1007.9	-2	49	-1	WNW	4	-	o	*	Trace	51	46	o	od.o	o	0.0	
London (Kew Obs.)	1015.0	50	WSW	6	aq	1008.2	-1	48	-4	W	4	-	o	*	0.3	53	48	o.og	og.o.og	og.o.or.o	0.0	
NORTHERN EUROPE.	Spitsbergen	1011.3	-9	S	2	s	1010.0	0	-27	+4	-	0	*	b	*	-	-11	-31				
	Vardö	1007.0	14	-	0	bc	1000.7	-5	19	+12	W	3	-	o	3	*	14	9				
	Bodö	1004.0	12	E	4	o	1002.1	?	10	0	E	4	-	b	2	-	12	5				
	Christiansund	1001.9	19	ENE	2	b	995.5	-2	21	-4	NE	3	-	b	4	-	25	23				
	Skudesnaes	994.6	39	SE	4	o	980.2	-3	32	-5	E	7	-	s	4	?	39	34				
	Færder (X'aniafjord)	1002.6	23	NNE	4	m	994.2	-4	18	-9	NE	7	-	s	3	?	27	14				
	The Scaw (Skagen)	1002.1	36	SE	1	o	982.6	-7	34	-5	E	7	-	r	7	10	39	34				
	Blåavands Huk	1003.5	41	WSW	1	r	987.7	-5	45	+6	W	6	-	o	5	14	45	37				
	Copenhagen	1003.9	41	W	3	o	987.4	-7	45	+8	WSW	4	-	r	*	7	45	36				
	Bornholm	1003.7	37	W	3	bc	989.2	-12	41	+5	WSW	8	-	r	2	5	41	34				
FRANCE, &c.	The Helder	1008.4	48	SW	3	c	1000.0	-3	46	-2	SW	6	-	o	5	Trace	48	46				
	C. Gris Nez	1016.6	48	WSW	5	o	1009.0	-5	48	-1	W	6	*	o	6	1	50	48				
	La Hève	*	47	W	5	f	*	*	45	-2	W	5	*	o	5	5	50	43				
	Brest (St. Mathieu)	1024.4	48	W	4	o	1016.7	-3	51	0	W	4	*	o	4	-	52	48				
	Roche fort (Ile d'Aix)	1027.3	48	SW	2	o	1020.7	-1	48	+2	W	3	*	o	*	-	52	45				
	Biarritz	1025.9	46	E	1	c	1022.0	+1	41	-6	-	0	*	o	3	-	50	37				
	Paris	1021.9	50	SW	2	o	1015.9	-4	45	-5	SW	4	-	o	*	-	52	45				
	Belfort	1024.4	43	W	6	r	1018.7	*	41	-2	W	5	*	o	*	8	45	39				
	Lyons	1025.6	45	-	0	r	1020.3	*	43	-2	-	0	*	o	*	-	49	44				
	Nice	1017.2	46	-	0	bc	1018.7	+1	43	-1	-	0	*	o	2	-	50	32				
Perpignan	1021.0	54	NW	3	o	1016.7	-2	43	-7	-	0	-	b	*	-	59	41					
Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
SOUTHERN STATIONS.	Corunna	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	Madrid	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	Lisbon	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	Azores (Horta)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	Madeira	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	Gibraltar	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	Malta	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	Limassol	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	Alexandria	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	Cairo (Helwan)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
LONDON OBSERVATIONS.		Humidity.		Sun- shine for Yester- day.	24 HOURS ENDED 9 h. TO-DAY.								SOUTH KENSINGTON.									
15 h. Yester- day.	9 h. To-day.	TEMPERATURE.			Rain- fall.	WEATHER.		Vertical Component of Solar Radiation per square Centimetre during Yesterday.														
GREENWICH (Royal Observatory)	%	%	Hours.	°F.	°F.	°F.	mm.	Morn- ing.	After- noon.	Night.	Total.	Average Rate.	Max. Rate.									
CITY (Bunhill Row)	87	70	0.2	53	45	38	*	*	o.c	o.c.or.g	Joules.	Milliwatts.	Milliwatts									



FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

Signals hoisted yesterday.

South Cone.

North Cone.

Signals hoisted this morning.

South Cone.

North Cone.

South Cone on all coasts at 2.30 p.m., 3rd.

Western Channel and Bay

Wind between West and North, moderating;
changeable, some showers, fair or fine intervals;
cooler.

Moderate North-Westerly to Westerly breezes,
sea rather rough; changeable, some showers; cooler.

FURTHER OUTLOOK.

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

NAPIER SHAW, Director.

Millib. inches

1050

1040

1030

1020

1010

1000

990

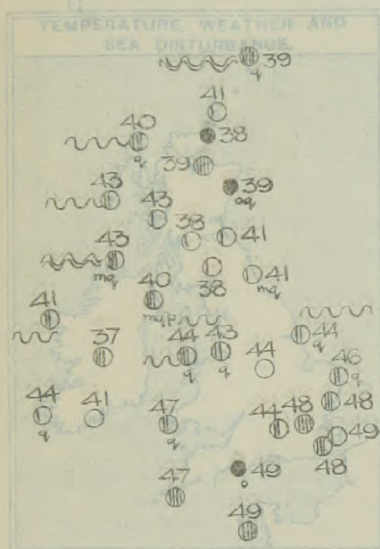
980

970

SYNOPTIC CHART FOR THE MORNING OF THURSDAY, 4TH JANUARY, 1917.

GENERAL INFERENCE.

There are at present no indications of the approach of another disturbance, and the existing strong winds will subside.



EXPLANATION.

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

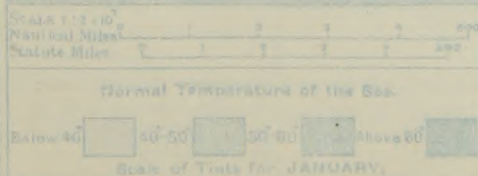
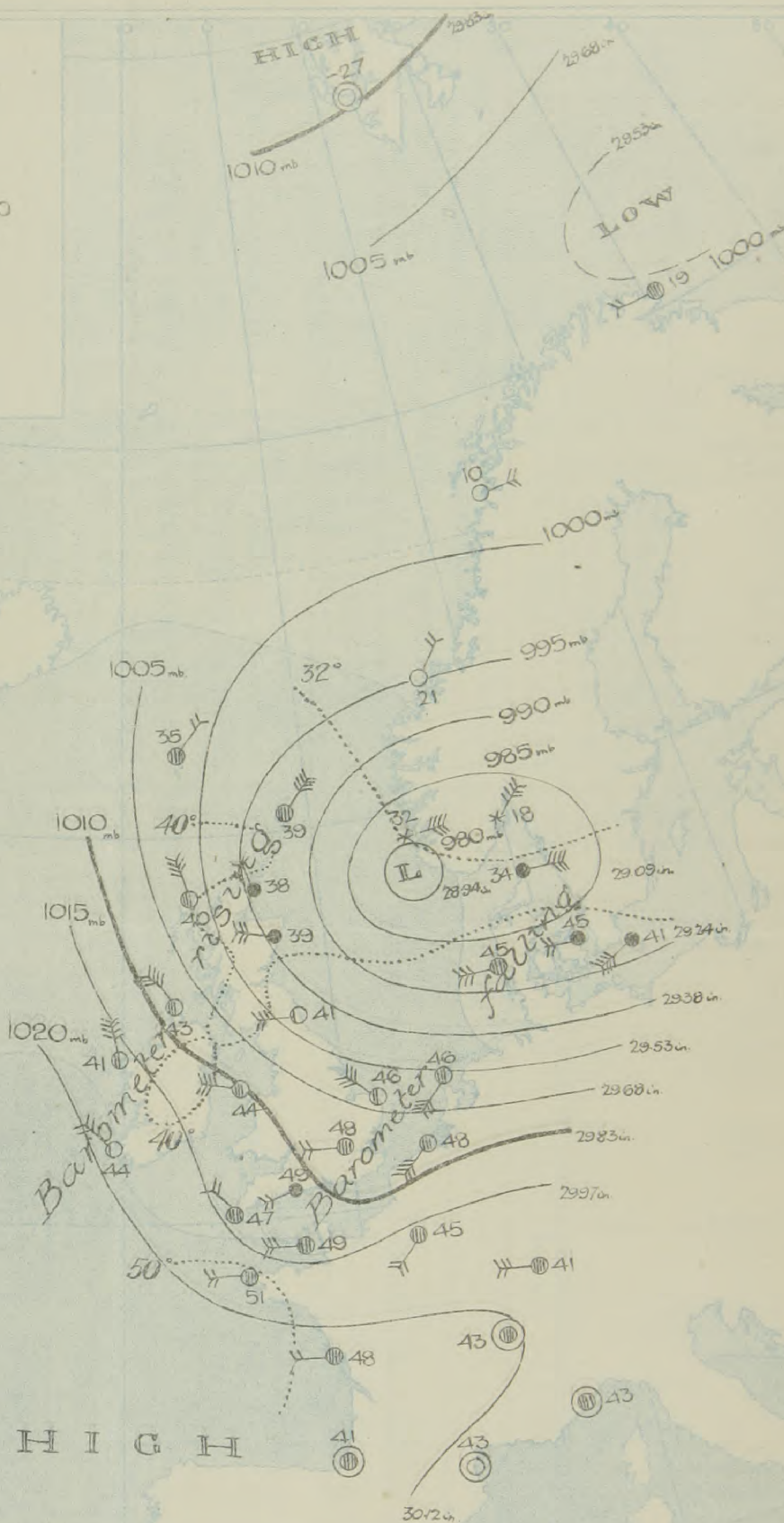
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm.

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. R, thunderstorm.

SEA DISTURBANCE.—Rough wavy. High wavy.



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.							PAST 24 HOURS.				MORNING										
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.					
			Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours. °F.	Dir.	Force 0-12.			Max.	Min.			Dry Bulb. °F.	Change in 24 hours. °F.	Dir.	Force 0-12.						
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1012.3	7	SE	2	S	1008.4	+1	23	+31	NE	2	S	?	°F	°F	Isafjord ... Reykjavik Vestmanna Seydisfjard Thorshavn	1002.9 1002.6 1002.0 1000.9	28 32 19 43	E - - -	1 0 0 0	b b c b					
	Gorki ...	1008.8	5	-	0	0	1010.6	0	5	+4	-	0	0	-	*	*											
	Velieki Luki ...	1010.4	7	-	0	0	1011.0	*	7	+6	SE	1	0	0	-	*							*				
	Hangö ...	1003.9	-	3	21	+23	-	0	0	0	0	0	-	*	*	16											
	Riga ...	1005.9	16	SSE	3	S	1002.0	-0	19	+5	SSE	2	0	0	-	*							*	-6			
	Petrograd ...	1009.8	2	WNW	2	0	1009.3	0	-1	0	-	0	0	S	-	*							*	-6			
	Moscow ...	1007.7	2	SE	1	0	1010.9	0	-4	0	ESE	2	b	-	-	*							*				
	Kiev ...	1013.2	3	-	0	b	1011.5	-0	3	+6	SE	3	0	S	-	*							*				
	Kharkov ...	1011.5	16	WNW	1	0	1015.1	0		?	-	0	0	0	-	*							*				
	Kishinev ...															*							*				
Elisabetgrad ...	1013.6	16	NNE	2	0	1011.1	-0	21	-6	SE	3	S	-	-	*	*	12										
Nicolaiev ...	1012.7	23	-	0	b	1010.3	*	27	-1	SE	2	0	0	-	-	*	*	19									
Odessa ...	1012.7	30	NE	2	0	1008.8	-3	36	+6	ESE	3	0	0	-	-	*	*	28									
Tarkhankout...																*	*										
Soukhom ...	1010.3	45	-	0	r	1009.0	0	41	-5	-	0	r	15	*	*	44											
MEDITERRANEAN.	Venice ...	1014.7	37	W	1	f	1013.0	*	39	+2	NNW	1	f	-	39	35											
	Pesaro ...	1015.1	37	-	0	f	1013.3	*	35	0	-	0	f	-	43	35											
	Rome ...	1016.6	50	-	0	0	1016.2	*	48	+9	NE	1	0	-	54	46											
	Viesti ...	1013.9	52	SSE	1	c	1013.5	*	52	+2	SE	1	0	0	-	55	46										
	Brindisi ...	1015.3	52	NW	1	bc	1012.6	*	48	-4	NW	1	0	0	-	61	48										
	Cagliari ...	1017.6	54	NW	4	b	1016.3	*	55	+1	NW	4	0	0	-	70	50										
	Palermo ...	1020.0	52	-	0	b	1017.7	*	45	-5	-	0	0	b	-	64	41										
	Tripoli ...	1022.4	54	-	0	0	1021.3	*	52	-	WSW	1	c	1	63	52											
	Algiers ...	1024.4	55	W	4	bc	1023.0	0	50	-2	-	0	b	-	63	48											
	SWEDEN.	Hernösand ...	1002.3	12	-	0	0	1001.2	*	10	+3	-	0	0	*	*	*										
Stockholm ...		1001.7	25	NE	2	0	1001.5	*	18	-1	W	2	0	*	*	*											
Wisby ...		1001.2	32	N	4	0	1002.3	*	28	0	SSE	2	0	*	*	*											
															*	*	*										

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	-
Limassol ...	6	-

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night.	Day.	Max.	Min.	Forenoon.	Afternoon.			Night.	Day.	Max.	Min.	Forenoon.	Afternoon.			
	18h-9h.	9h-18h.							18h-9h.	9h-18h.							
Scotland.	Oban	3	4	50	43	r	0	0.0	England, E.	Lowestoft	2	-	56	47	oc	c.o.c	17.
	Banff	5	7	50	39	or	or bc	0.0		Felixstowe	3	-	55	46	bc	bc.c	2.8
	Montrose									Walton-on-Naze	1	-	54	47	bc.b	b.bc	3.2
	Carnoustie	*	*							Southend-on-Sea	Trace	-	52	46	oc.bc.b	oc	20.
	St. Andrews	Tr.	Tr.	52	43	o.	oc upg	0.0									
Eng. N.E.	Harrogate								England, S.E.	Margate	1	-	56	47	bc.b	b.bcc	29
	Skegness	2	-	54	46	oc.	0	0.0		Ramsgate	1	-	53	47	c.bc	bc.o	39
Eng. N.W.	Morecambe	5	-	48	46			0.2		Hastings	-	-	51	47	o	o	0.0
	Southport	3	-	50	49	oc.o	0	0.0		Eastbourne	-	-	51	44	o bc	oc	0.1
Midlands.	Leamington Spa	Tr.	-	55	45	o p.c	c.o.c	0.2		Seaford	-	-	49	47	o	o	0.0
	Malvern	-	-	55	43	bc	bc	2.0		Brighton	-	-	48	46	o	o	0.0
	Ross-on-Wye	-	-	53	47	b.c.c	c.o	1.8		Worthing	-	-	49	47	o	o	0.0
Wales.	Rhyl	Trace	-	55	45	o p.c	c.o.c	0.2		Littlehampton	-	-	50	47	o	o	0.0
	Colwyn Bay	*	*	54	50	c	c	0.5		Bognor	-	-	51	48	o	o	0.0
	Llandudno	*	*	53	50	b.bc	c	1.7		Bournemouth	-	-	51	48	o	o	0.0
	Aberystwyth	*	*	51	46	oc.o	or.r	0.0		Weymouth	-	-	51	49	c	c	0.0
	Tenby									Torquay	-	-	52	49	o	o	0.0

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

4 th & 5 th January, 1917.			Sunrise.	Noon.	Sunset.
			G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	...	8.5 8.5	11.58 11.59	3.50 3.51
Greenwich	...	...	8.8 8.7	12.5 12.5	4.2 4.3
Wick	...	...	9.3 9.2	12.17 12.17	3.30 3.32
Valencia	...	...	8.50 8.50	12.46 12.46	4.41 4.42

NOTES ON YESTERDAY'S WEATHER.

Temperature maintained a high level throughout. Rain was general, heavy in the north, 31 mm. at Deerness. Bright sunshine was restricted almost entirely to the south-east coast and the Midlands.

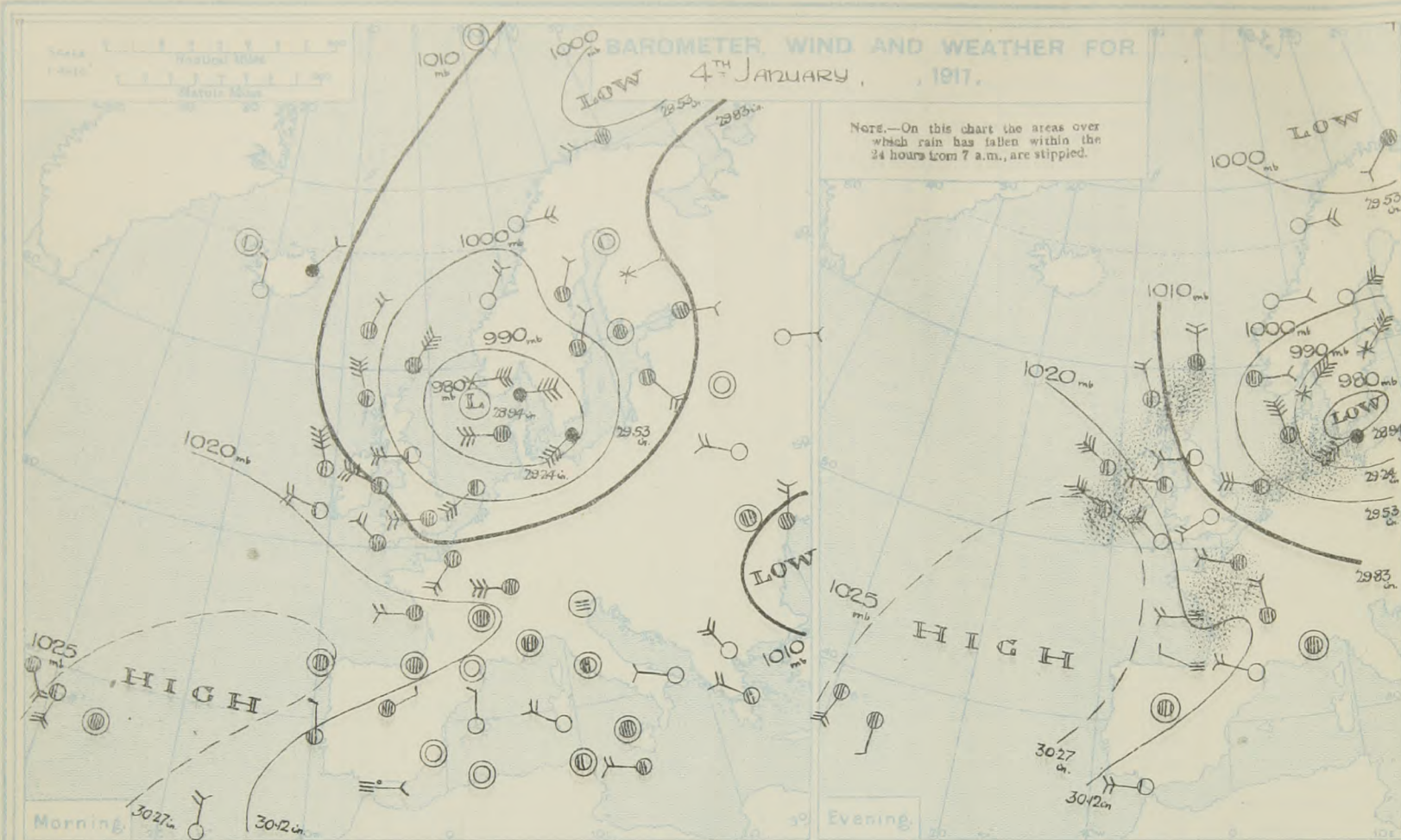
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No.5

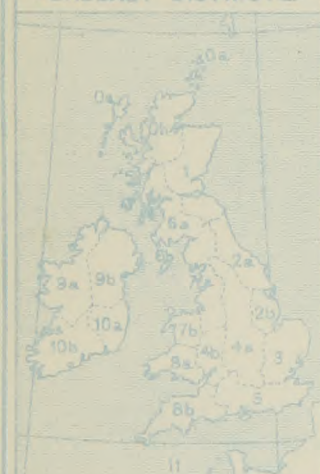
Friday,
5th January

STATIONS.	YESTERDAY EVENING.					THIS MORNING.										PAST 24 HOURS.					Sun- shine for Yester- day. Hours.
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
			Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
		°F.						°F.								°F.	°F.				
Lerwick ...	1005.3	35	N	4	o	1012.7	0	34	-5	NNW	2	N	bc	2	1	39	32	oq	osqp.	bc.	
Deerness (Orkney) ...	1007.4	36	N	4	b	1014.9	*	34	-7	W	2	-	bc	2	1	42	33	bc	bc.e.b	bc.b.	
Stornoway ...	1011.0	36	NNW	3	bcqp	1015.5	*	31	-9	W	1	-	bc	1	2	40	29	c.begp	bcqp	bc	
Castlebay (Barra Isd.) ...	1013.5	40	NNW	4	c	1016.2	-1	39	-4	E	1	-	o	2	4	43	37	bcq.e	bcq.e	bcq.e.o	
Glasgow ...	1010.6	38	W	3	b	1017.5	+2	34	-11	W	1	-	b	*	Trace	41	31	b	b.begz	b.b.bz	
Eskdalemuir ...	1010.4	35	NW	6	b	1018.5	+2	26	-12	SE	1	-	bc	*	-	40	26	b	b	bc	
Malin Head ...	1012.5	42	SSW	7	cq	1016.9	0	40	-3	SW	3	-	omr	5	2	45	38	bcqp	cq	omr	
Blacksod Point ...	1021.4	43	NW	6	bcqp	1018.0	-6	45	+4	W	4	-	omr	4	6	45	38	bcqph	bcqp	bc.omr	
Valencia ...	1026.1	45	NW	5	c	1025.7	-3	48	+4	WSW	5	-	o	4	1	48	41	c.b.p	bcq	cp.c.o	
Roche's Point ...	1023.7	42	NW	3	b	1025.9	*	43	+2	WSW	1	-	o	3	Trace	46	40	b.b.c	b	b.b.c.o	
Birr Castle ...	1021.7	39	W	2	bc	1022.8	*	41	+4	SW	1	-	r	*	0.3	43	36	bc	bc	bc.or.d	
Donaghadee ...	1013.3	39	WNW	5	bcqp	1018.4	0	38	-2	WNW	3	-	ogm	3	1	42	36	bcqp	bcqp	bcqp	
Liverpool (Bldston) ...	1014.1	42	W	5	b	1014.5	+1	41	-2	W	1	-	b	5	1	43	37	bcq	bcq	cp.b	
Holyhead ...	1016.4	44	WNW	7	cq	1020.9	+1	43	-1	WNW	5	NW	e	5	-	45	42	c.b.cq	bc.cq	bc.c.cq	
Pembroke (St. Ann's) ...	1019.9	44	WNW	5	cq	1023.8	+1	44	-3	WNW	4	NW	cq	4	-	45	*	bcq	bcq	bcq	
Scilly (St. Mary's) ...	1022.4	43	NW	4	b	1025.6	0	42	-5	NW	3	-	b	*	-	48	41	op.b.c	b	bc.b.	
Falmouth ...	1019.1	45	NW	3	bc	1024.0	*	43	-6	W	3	W	b	2	4	50	43	or.c	c.b.c	bc.b.	
Jersey (St. Aubin) ...	1018.0	44	NW	5	b	1021.9	+1	43	-6	NW	5	NW	b	4	-	49	43	o.c.b.c	bc	b	
Portland Bill ...	1012.8	40	WNW	3	b	1018.5	+1	34	-14	WNW	3	-	b	3	-	49	34	bc	e.b	b.b.c	
Dungeness ...	1013.7	41	NW	5	b	1018.9	+2	36	-13	NW	5	NW	b	2	2	48	35	or.b.c	bc.b	b	
Dover ...	1007.7	35	NNW	3	bc	1015.2	+1	29	-9	NW	1	-	bc	3	2	40	29	p.c	c.b.c	bc	
Wick ...	1009.0	34	W	1	cu	1015.6	*	31	-2	-	0	-	bc	1	2	40	30	q.p.s.c	q.p.s.c	p.a.b.c	
Nairn ...	1008.0	36	NW	4	b	1016.0	+2	33	-6	WNW	3	-	b	2	6	39	32	og.p.c	cp.b.c	bc.s.p	
Aberdeen ...	1009.1	38	SW	2	b	1016.9	+2	33	-8	WSW	1	W	b	3	-	43	31	b	b	bc.c.b	
Leith ...	1008.6	37	W	3	bm	1017.0	+2	33	-8	WNW	2	-	bm	4	-	43	32	bcqp	bm	bc	
Tynemouth ...	1009.7	43	NW	6	bq	1017.6	+3	35	-9	NNW	5	-	bcq	5	-	44	25	bcq	bcq	bq	
Spurn Head ...	1009.3	40	WNW	3	b	1017.0	+3	33	-13	NW	2	-	bc	2	-	46	33	bc	bc.b	bc.b.	
Yarmouth ...	1012.3	41	WNW	4	b	1018.3	+4	35	-13	WNW	2	-	b	1	1	49	34	cp.b.c	bc.b	bc.b.	
Clacton-on-Sea ...	1013.1	39	NW	4	b	1014.0	*	37	-7	W	2	-	b	*	Trace	45	35	bc	bc.cq	b	
Nottingham ...	1015.5	39	WNW	2	b	1020.1	+3	33	-11	NW	2	-	bc	*	Trace	45	33	bc	bc	bc	
Benson (Oxon.) ...	1015.5	40	NW	2	b	1020.1	+3	35	-14	NW	2	-	b	*	Trace	49	31	r.b.c.b.c	c.b	b	
Sth Farnborough ...	1015.5	42	WSW	3	b	1020.8	+4	36	-12	WSW	2	-	bc	*	-	48	36	o.b.c	c.o.b	b.b.c	
London (Kew Obsv.) ...	1015.5	42	WSW	3	b	1020.8	+4	36	-12	WSW	2	-	bc	*	-	48	36	o.b.c	c.o.b	b.b.c	
SPITSBERGEN.																					
Vardö ...	999.3	18	SW	2	o	1001.6	+1	10	-9	SW	4	*	S	4	*	19	9				
Bodö ...	1004.6	14	E	4	b	1002.6	?	16	+6	E	2	-	b	2	?	10	7				
Christiansund ...	1002.4	21	E	2	b	1008.2	+2	23	+2	E	1	-	b	3	-	23	18				
Skudesnaes ...	996.4	28	SE	2	o	1008.8	+4	18	-14	ENE	2	-	b	2	-	28	18				
Færøer (X'ania Fjord) ...	995.8	19	N	8	o	1008.0	+4	18	0	N	4	-	b	3	?	9	16				
The Scaw (Skagen) ...	985.6	25	NE	8	s	1005.9	+6	21	-13	N	5	-	c	6	?	36	19				
Blaavands Huk ...	978.5	39	W	3	r	1008.3	+6	28	-17	NE	1	-	S	3	Trace.	45	27				
Copenhagen ...	991.9	36	NNW	8	o	1009.3	+8	23	-22	N	4	-	o	*	5	45	23				
Bornholm ...	980.7	39	WSW	10	r	999.3	+9	25	-16	N	6	-	o	2	5	41	23				
THE HELDER.	1004.4	43	WNW	6	c	1013.1	+4	41	-5	N.W.	4	-	bc	3	1	46	39				
C. Gris Nez ...	1013.7	44	WNW	5	b.c.	1019.0	+3	41	-7	N.W.	6	*	4	5	-	48	41				
La Hève ...	?	44	N.W.	5	c.	?	*	43	-2	N.N.W.	5	*	c	6	3	48	39				
Brest (St. Mathieu) ...	1022.1	46	N	5	c	1027.4	+1	45	-6	NNW	4	*	bc	3	-	52	43				
Rochefort (Ile d'Aix) ...	1019.1	48	W	3	p	1024.3	+2	39	-9	NNE	4	*	b	*	2	50	39				
Biarritz ...	1021.2	50	N.W.	1	f	1022.7	+4	46	+5	NE.	4	*	o	3	5	50	46				
PARIS.	1015.8	45	N.W.	3	b	1021.2	+2	37	-8	N.W.	2	-	o	*	Trace	48	36				
Belfort ...																					
Lyons ...	1019.9	41	NNW	3	o	1020.8	*	38	-5	N	2	*	o	*	-	45	38				
Nice ...	1016.2	46	-	0	o	1011.4	-1	43	0	SW	1	*	o	2	-	43	41				
Perpignan ...	1016.4	45	NW	3	b	1016.7	+2	48	+5	NW	3	NW	o	*	-	55	43				
Sanguinaire ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
SOUTHERN STATIONS.																					
Corunna ...																					
Madrid ...	1016.3	46	-	0	o	1017.7	+3	41		ENE	4	W	c	*	-	52	39				
Lisbon ...																					
Azores (Horta) ...	1026.3	*	SSW	5	c.																
Madeira ...																					
Gibraltar ...																					
Malta ...	*	*	*	*	*																
Limassol ...	*	*	*	*	*	1017.5	0	55	-2	WSW	1	-	o	0	-	51	54				
Alexandria ...	*	*	*	*	*	1012.3	+5	43	-3	W	1	-	b	2	Trace	54	31				
Cairo (Helwan) ...																					
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for Yester- day.		24 HOURS ENDED 9 P.M. TO-DAY.							SOUTH KENSINGTON.								
		15 h. Yester- day.	9 p. To-day.			TEMPERATURE.			Rain- fall.	WEATHER.			Vertical Component of Solar Radiation per square Centimetre during Yesterday.								
		°F.	°F.	Moons.		°F.	°F.	°F.	mm.	Morn- ing.	After- noon.	Night.	Total. Average Rate. Max. Rate.								
GREENWICH (Royal Observatory)		61	81	3.0		67	35	79	*	c.b.	bc.b.	b.	Joules. Milliwatts. Milliwatts.								
CITY (Bunhill Row) ...		62	87	2.5		68	36	79	*	bc	bc	bc.b.	190 6.7 170								
WESTMINSTER (St. James's Park)		62	87	3.4		68	36	79	*	bc	bc	bc.b.									
CAMDEN SQ. (British Rainfall)		65	86	3.8		67	35	79	*	bc	bc	bc									
HAMPSHIRE (Reservoir)		67	87	4.2		65	38	74	*	bc	bc	bc									
S. KENSINGTON (Museum Grounds)		67	88	3.5		67	37	74	*	o.b.c.	bc	bc									
RICHMOND PARK		67	88	3.5		67	37	74	*	bc	bc	bc	Temperatures at Greenwich and Cam- den Square are from Glaisher screens.								



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings issued.

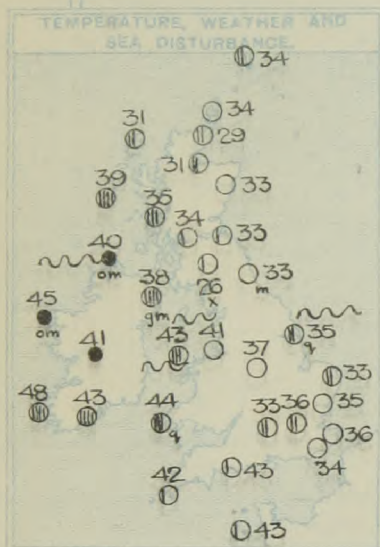
Western Channel and Bay

- 0 { Wind between West and South, freshening somewhat; dull, some rain and mist, milder.
- 1 {
- 2 { Moderate to light North-Westerly to Westerly breezes;
- 3 { fine generally; moderately low temperature.
- 4 {
- 5 {
- 6 {
- 7 {
- 8 { Same as No. 0
- 9 {
- 10 {
- 11 { Moderate to fresh Northerly and North-Westerly winds; sea moderate to rather rough; fair or fine; cool.

FURTHER OUTLOOK.

GENERAL INFERENCE.

A new depression lies off our western coasts. It will occasion rather less settled conditions in the more western districts.



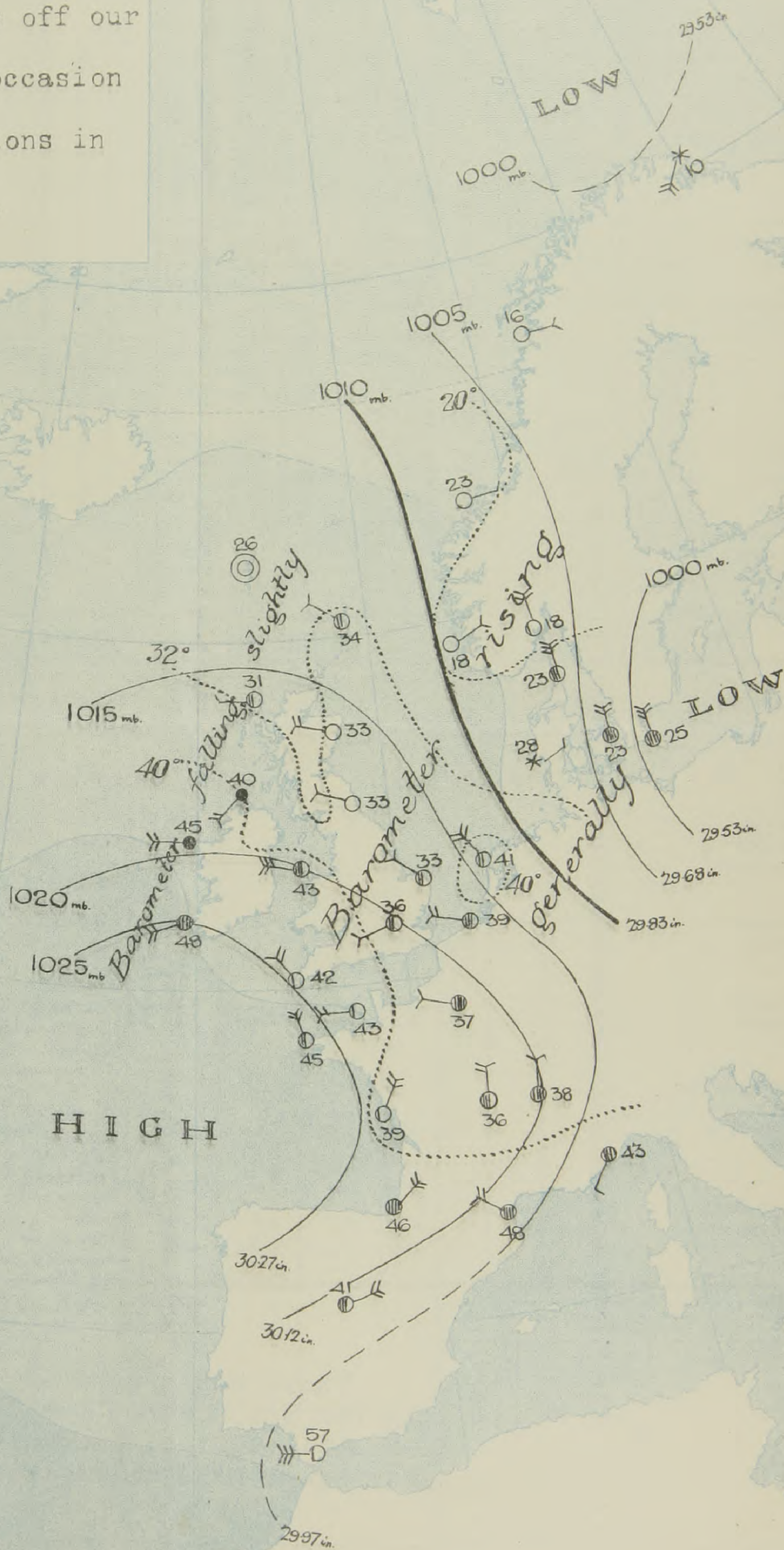
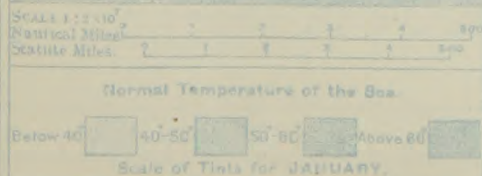
EXPLANATION.

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

inches.
—31

30

29



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.						PAST 24 HOURS.			MORNING.										
	Barom.	Temp.	Wind.		Weather.	Barometer.		Temp.		Wind.		Weather.	Rain-fall.	Temp.		ICELAND.	Barom.	Temp.		Wind.		Weather.		
	Milli-bars at M.S.L.		Dir.	Force 0-12.		Milli-bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.			
RUSSIA 7 a.m. and 9 p.m. Local Time.																								
Archangel	1045.0	3	ESE	2	C																			
Gorki	1011.5	3	SW	1	b	1012.3	-	-8	-13	SE	1	b	-	*	?									
Velieki Luki	1012.4	5	SE	2	0	1014.1	*	1	-6	SE	2	0	1	*	1									
Hangö						1000.8	-1	23	+2	SSE	1	0	-	*	9									
Riga	1006.9	19	-	0	0	1004.2	-1	23	+4	SSE	4	0	-	*	?									
Petrograd	1010.6	3	SSE	3	0	1009.2	-3	19	+2	SE	2	0	-	3	?									
Moscow	1017.1	-0	SSW	2	0	1020.0	+1	-6	-2	ESE	2	b	-	*	-8									
Kiev	1007.7	14	NE	2	3	1013.9	+4	0	-3	NW	2	b	10	*	-0									
Kharkov	1014.3	16	E	2	0	1012.6	+1	21		ESE	3	0	-	*	16									
Kishinev	1004.6	36	-	0	0	1012.2	-	25		-	0	0	-	*	21									
Elisabetgrad	1006.3	32	SSE	2	3	1010.4	+4	25	+4	NW	4	S	6	*	7									
Nicolaiev	1012.6	36	SE	3	T	1011.8	*	34	+7	-	0	0	14	*	21									
Odessa	1005.0	41	S	3	r	1009.5	+4	34	-2	NNE	3	0	2	*	32									
Tarkhankout.	1006.7	48	S	7	0	1009.9	*	41		SE	4	bc	3	*	36									
Soukhoum														*										
MEDITERRANEAN.																								
Venice	1012.7	41	WSW	1	0	1014.6	*	43	+4	NNW	1	f	-	45	39									
Pesaro	1002.9	37	SW	1	f	1015.4	*	36	+1	S	1	f	-	41	34									
Rome	1015.9	48	-	0	b	1018.1	*	43	-5	N	1	c	-	55	39									
Viesti	1012.3	50	WNW	1	b	1015.9	*	50	-2	-	0	b	-	55	41									
Brindisi	1012.6	54	WSW	2	b	1014.4	*	52	+4	NW	2	b	-	56	40									
Cagliari	1015.0	61	NW	4	0	1017.6	*	67	+2	NW	3	b	-	68	50									
Palermo	1016.4	55	ESE	8	c	1018.8	*	54	+9	-	0	0	-	64	45									
Tripoli	1019.9	52	-	0	b	1020.7	*	50	-2	WSW	1	b	-	63	45									
Algiers	1021.2	54	WSW	1	b	1018.7	+2	50	0	-	0	b	-	63	48									
SWEDEN.																								
Hernösand	1005.5	12	NNE	4	0	1004.7	*	9	-1	NNE	2	0	*	*	*									
Stockholm	1005.0	14	N	2	0	998.0	*	12	-6	NNE	2	0	*	*	*									
Wisby	1002.9	32	S	2	0	994.0	*	30	+2	E	2	0	*	*	*									

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	—
Limassol ...	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine.	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine.		
	Night. 1st-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 1st-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			
Scotland.	Oban	2	2	43	39	b.	bcp.	1.1	England, E.	Lowestoft	-	-	45	41	bbc	bc	5.6
	Banff	10	Tr.	41	38	opr	oprbc.	0.0		Felixstowe	1	-	46	44	bc	b.	-
	Montrose									Walton-on-Naze							
	Carnoustie	*	*							Southend-on-Sea	-	-	48	45	bbc	abc	4.9
	St. Andrews																
Eng. N.E.	Harrogate	Tr.	-	42	36	b	b	6.2	England, S.E.	Margate	Tr.	-	47	44	opcb	bbc.b.	3.0
	Skegness	-	-	39	37	b	b	5.7		Ramsgate	1	-	47	43	bc	b	4.6
Eng. N.W.	Morecambe	1	-	43	40			3.3		Hastings	-	1	49	42	orbc	b	3.9
	Southport	1	1	43	40	c	c, rhp	3.3		Eastbourne	-	-	50	43	ogbc	bbcog	3.1
										Seaford	*	*	49	40	r.c	bc	3.2
										Brighton	Tr.	-	47	42	o.c	c.b.	4.0
										Worthing	Tr	-	47	42	bc	b	4.9
Midlands.	Leamington Spa									Littlehampton	1	-	47	40	bc	b	5.4
	Malvern								Bognor	*	*						
	Ross-on-Wye	1	-	45	38	rbbcb	bc	5.3	Bournemouth	1	-	46	40	b	b	5.7	
Wales.	Rhyl	1	-	46	43	of	bc.c	1.9	England, S.W.	Weymouth	*	*	46	42	bc.b	bz	5.9
	Colwyn Bay	*	*							Torquay	1	-	50	42	bc	b	6.1
	Llandudno	*	*	52	43	c.b.	c.b.	2.1		Paignton	*	*					
	Aberystwyth	*	*	45	42	r.o.c.	b.bc	4.5		Penzance	3	-	49	45	cbc	bc	6.1
	Tenby									Newquay	2	-	47	44	b	b	4.6
										Bude	-	-	47	44	b	b	6.2
										Ilfracombe	1	-	45	42	bc	bc	5.0
								Weston-s-Mare	Tr	1	48	43	b	b	6.0		

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

5 th & 6 th JANUARY 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.5	11.58	3.51
	8.5	11.59	3.52
Greenwich ...	8.7	12.5	4.3
	8.6	12.6	4.5
Wick ...	9.2	12.17	3.32
	9.1	12.18	3.34
Valencia ...	8.50	12.46	4.42
	8.50	12.47	4.43

NOTES ON YESTERDAY'S WEATHER.

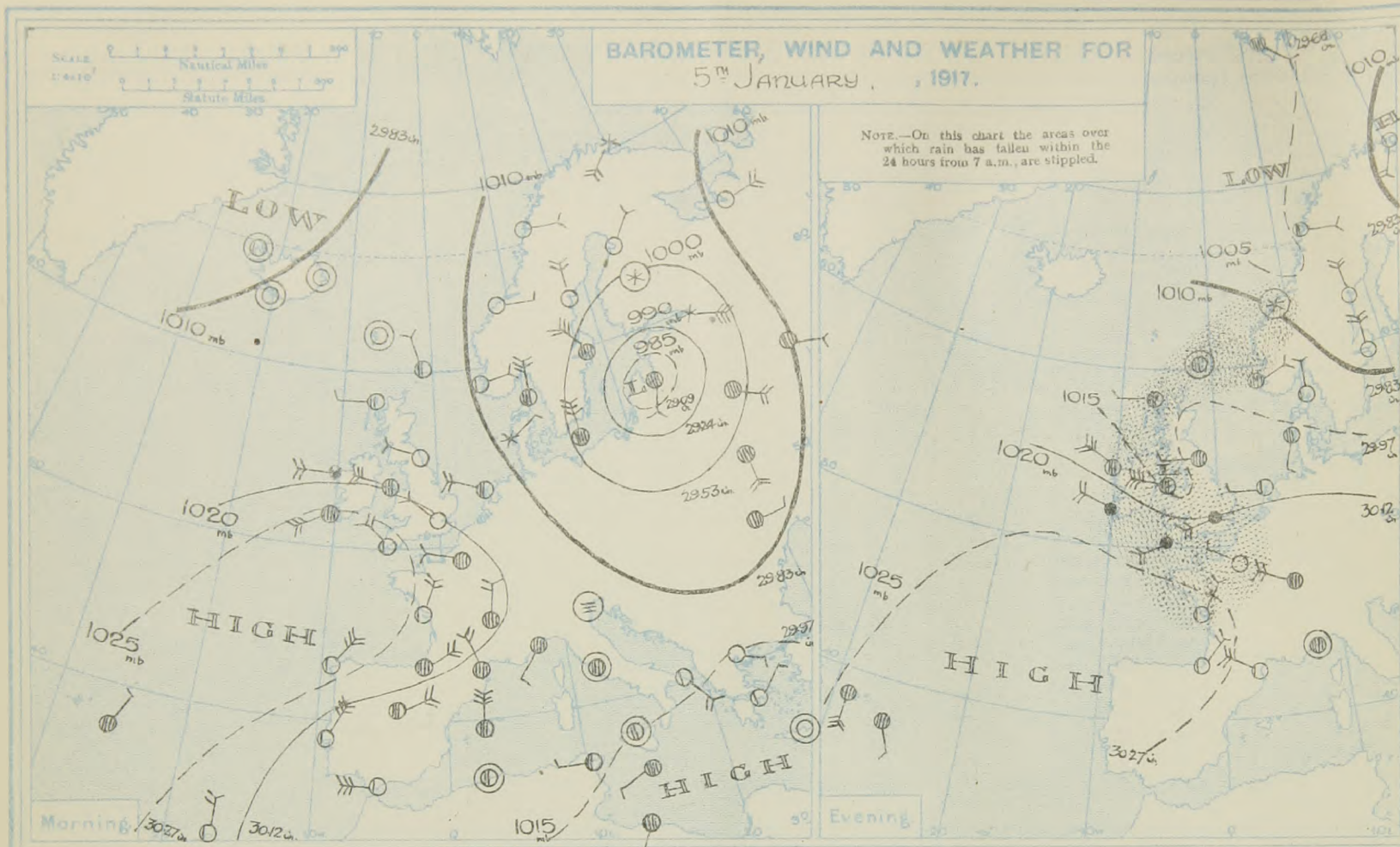
There was a general decrease of temperature, but it was still above the normal. Showers of rain, sleet or hail occurred in the north and west. Sunshine was very good generally, over six hours in places.

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

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 6. Saturday, 6th January.

STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS						Sun- shine for Yester- day. Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	WIND.	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	1014.1	33	-	0	bc	1008.4	-2	39	+5	SSE	2	-	0	2	2	39	32	bc	bc	csp.	*	
	Deerness (Orkney)	994.2	35	SW	2	bc	1009.8	*	36	+2	SW	3	-	or	3	1	36	34	b	b bc	bc.csp.	5.2	
	Stornoway	1013.6	33	W	1	c	1011.9	-1	35	+4	WSW	3	-	c	3	4	37	30	bc.cq	c.	bc.op.c	0.8	
	Castlebay (Barra Isd.)	1012.8	42	ESE	3	op	1015.1	0	43	+4	W	4	-	bcp	4	6	43	38	op	op r. op.	op.bcp	0.0	
	Glasgow	1015.0	34	ENE	1	om.	1015.7	0	33	-1	-	0	-	bm.	*	0.1	34	31	bcm om	omdp	om.bm	0.0	
	Eskdalemuir	1015.3	38	N	1	os	1016.3	+1	31	+5	-	0	-	o	*	0.2	33	22	bcc c.o	os c.os	os.o	0.0	
	Malin Head	1012.9	43	NW	6	bcp	1016.3	0	43	+3	NNW	5	NW	bcpq	6	4	46	38	bcpq	csp.	bcpq.	0.4	
	Blackod Point	1016.9	43	NW	5	csp	1020.3	0	42	-3	NW	3	NW	op	4	5	46	38	omr	csp.	bcp.op	*	
	Valencia	1022.1	46	NW	4	odp	1023.1	0	44	-4	NNW	3	W	c	3	4	49	44	or	op	c.c.	0	
	Roche's Point	1020.7	46	NW	3	r	1022.5	*	40	-3	NNW	1	-	o	2	0.4	42	40	o.c.o	o.c.op	o.c.o	*	
	Birr Castle	1019.4	40	W	1	c	1021.2	*	34	-7	W	1	-	o	*	5	46	33	or	or.c	c.o.c	0.0	
	Donaghadee	1013.4	42	NW	4	cm.	1016.1	+1	40	+2	NNW	4	NW	bcm	3	2	43	37	omr	csp.	bcmq.	*	
	Liverpool (Bidston)	1013.5	43	WSW	3	o	1015.6	0	41	0	W	4	W	o	3	4	44	38	og	or	op	0.0	
	Holyhead	1014.5	46	WNW	7	cq	1017.4	+1	43	0	WNW	6	NW	bq	6	6	46	40	ordp	or.o.c	c.bq	0.0	
	Pembroke (St. Ann's)	1017.1	42	WSW	5	og	1019.8	+1	43	-1	WNW	4	NW	cq	4	5	48	42	cq.or	cq.	bq.cq	0.0	
	Scilly (St. Mary's)	1022.3	45	WSW	4	omd.	1021.0	+1	43	+1	NNW	2	-	bc.	*	6	48	40	b op.b	bz op.	dr.b.c	1.1	
	Falmouth	1023.7	45	W	3	b	1019.5	*	44	+1	WNW	3	W	c	2	8	49	43	b	b op.b	op.c	4.8	
	Portland Bill	1020.2	45	WSW	5	c	1017.3	+2	42	-1	NW	4	-	b	3	1	46	41	b bc	bc.c	c.c.b	*	
	Dungeness	1020.8	42	WNW	2	b	1013.0	0	37	+3	W	3	-	b	2	6	45	36	bz	bz	c.c.b	*	
	Dover	1021.1	34	SW	2	bc.	1014.1	0	39	+3	NW	5	NW	o	2	3	42	38	b	b.m	bc.o.c	5.2	
Wick	1014.5	36	S	2	bc	1010.7	-3	35	+6	SW	2	-	o	3	1	39	27	bc.b	b	bc.csp.	*		
Nairn	1014.8	30	-	0	csp.	1012.2	*	32	+1	-	0	-	bc	0	1	32	22	bc.	bc.csp.	csp.	2.2		
Aberdeen	1015.7	30	-	0	bz	1013.6	-2	29	-4	W	1	-	bz	2	-	35	27	b	bz	b.bcz	4.8		
Leith	1014.5	36	S	1	m	1014.6	0	33	0	WSW	1	W	bc	2	-	37	31	bz.c.o	om.o	m.o.c	*		
Tynemouth	1015.3	37	W	1	om.	1015.1	0	35	+2	NW	2	N	bcm	3	-	37	31	em	om.	em.	*		
Spurn Head	1017.7	39	SW	2	om.	1014.7	0	37	+2	N	4	-	om	5	2	40	35	bq	bq. om	c. om	0.0		
Yarmouth	1019.3	35	W	2	bc.	1011.2	-2	38	+5	N	2	-	op	2	3	40	33	b	bc	omr.f	5.1		
Clacton-on-Sea	1019.7	39	SW	1	o	1012.8	0	39	+4	SW	3	-	o	2	6	41	34	b	b bc.c.o	ogr.og.	4.7		
Nottingham	1016.1	39	SW	3	r	1015.3	*	36	-1	NNW	1	-	o	*	2	45	35	c. om	om	r.o.c	0.1		
Benson (Oxon.)	1018.5	37	SW	3	r	1014.9	+1	39	+6	W	3	-	o	*	8	42	33	b bc	or	og.o	*		
St. Farnborough	1019.3	39	SSW	3	r	1015.0	+1	39	+4	WNW	2	-	o	*	7	44	35	b bc	or	r.o.c	4.3		
London (Kew Obsy.)	1020.0	41	WSW	3	omr	1015.1	+2	44	+5	W	3	-	o	*	8	43	35	bc.bcz	c. om	omr.o	3.9		
NORTHERN EUROPE.	Spitsbergen	1004.6	-15	SSE	2	o	1008.4	-2	1	0	E	2	*	c	*	*	1	-26	UPPER AIR.				
	Vardö	1010.7	9	SSW	3	b	1002.3	-2	9	-1	SW	3	-	b	3	*	14	5	South Farborough.				
	Bodö	1005.0	19	E	2	bc.	1004.0	*	23	+7	E	2	-	o	2	?	21	16	Pilot Balloon Ascent at 7.50 a.m. 6th				
	Christiansund	1010.0	32	-	0	s	1009.1	0	32	+9	NW	2	-	c	3	8	32	18					
	Skudesnaes	1014.6	32	ENE	2	o	1013.3	0	32	+14	-	0	-	c	2	?	32	18	750 metres NW/N 15 metres per sec				
	Færder (Xtania Fjord)	1013.5	19	W	2	b	1012.7	0	18	0	-	0	-	b	?	-	?	?	600 " NW/N 14 " "				
	The Scaw (Skagen)	1013.9	21	N	2	b	1014.1	-1	27	+5	WSW	2	SW	b	2	-	27	19	300 " NW/W 10 " "				
	Blaavands Huk	1015.5	34	SSW	1	c	1016.8	-1	34	+6	SE	1	-	p	1	Trace	36	25	Surface WNW 7 " "				
	Copenhagen	1015.3	21	N	3	b	1018.1	0	25	+2	W	3	-	p	*	-	25	19					
	Bornholm	1011.4	19	N	8	bc	1016.4	0	28	+3	W	7	-	b	2	-	28	18					
FRANCE, &c.	The Helder	1018.6	39	W	1	b	1015.3	-2	34	-7	SE	1	-	c	2	Trace	43	32					
	C. Gris Nez	1021.0	41	NW	3	b	1012.0	0	42	+1	W	6	*	o	6	0	45	41					
	La Hève	1021.0	41	NW	3	b	1012.0	0	42	+1	W	6	*	o	6	0	45	41					
	Brest (St. Mathieu)	1026.4	47	WNW	3	c	1021.9	0	47	+2	N	4	*	o	3	0	50	46					
	Rochefort (Île d'Az)	1026.6	43	NNE	2	b	1023.7	-3	47	+8	W	3	*	c	*	Trace	50	39					
	Biarritz	1026.4	44	NE	3	b	1025.9	+1	42	-3	E	1	*	c	2	-	50	39					
	Paris	1023.7	36	NW	1	b	1016.7	-4	27	0	SSW	2	-	o	*	2	43	30					
	Belfort	1023.5	34	NW	4	o	1023.6	*	25	0	NW	2	*	o	*	-	39	25					
	Lyons	1016.6	47	-	0	o	1013.5	+3	46	+3	-	0	*	b	2	-	54	39					
	Nice	1020.3	45	NW	5	b	1020.6	+3	44	-7	NW	5	-	b	*	-	54	41					
SOUTHERN STATIONS.	Perpignan	1020.3	45	NW	5	b	1020.6	+3	44	-7	NW	5	-	b	*	-	54	41					
	Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
	Corunna	1018.1	46	NE	3	b	1025.7	+2	30	-11	NW	1	-	b	*	-	48	30					
	Madrid	1028.8	*	-	0	c	1027.3	-1	58	0	SSE	4	*	c	2	-	64	59					
	Madeira	1015.2	57	W	2	bc	1018.6	*	53	0	E	3	*	flr	5	21	63	52					
	Gibraltar	1015.2	57	W	2	bc	1018.6	*	53	0	E	3	*	flr	5	21	63	52					
	Malta	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
Limassol	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*						
Alexandria	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*						
Cairo (Helwan)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*						
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for Yester- day.	24 HOURS ENDING 5 P.M. TO-DAY										SOUTH KENSINGTON.			Vertical Component of Solar Radiation per square Centimetre during Yesterday.					
		15 h. Yester- day.	9 h. To- day.		TEMPERATURE.		Rain- fall	WEATHER.															
		°F.	°F.	Max.	Min.	Min. on Grass		Morn- ing.	After- noon.	Night.													
GREENWICH (Royal Observatory)		73	81	0.6	42	36	37	5	b bc	c. or	0.0												
CITY (Rush Hill Row)		72	80	1.6	42	36	37	5	b	b bc	0.0												
WESTMINSTER (St. James's Park)		72	80	2.6	43	37	31	6	b	b bc	0.0												
CAMDEN SQ. (British Rainfall)		72	80	2.5	43	36	35	6	b	b bc	0.0												
HAMPSTEAD (Reservoir)		72	80	2.6	43	37	31	6	b	b bc	0.0												
S. KENSINGTON (Museum Grounds)		72	80	2.6	43	37	31	6	b	b bc	0.0												
RICHMOND PARK		72	80	2.6	43	37	31	6	b	b bc	0.0												
					Temperatures at Greenwich and Cam- den Square are from Gleisher screens.																		



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

FORECAST DISTRICTS.



STORM WARNINGS.

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

Signals hoisted yesterday.

South Conc.

North Conc.

Signals hoisted this morning.

South Conc.

North Conc.

No Warnings Issued.

Western Channel and Bay 11

0 } Light to fresh Southerly to Westerly and North-
Westerly breezes; dull, some rain; moderate temperature.

1 } Moderate breezes between West and North; dull

2 } to fair or fine, some local showers; moderate

3 } temperature.

4 } Moderate Northerly and North-Westerly breezes;
sea moderate; dull to fair; moderate temperature.

FURTHER OUTLOOK.

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

NAPIER SHAW, Director.

Millibars

1050—31

1040

1030

1020

1010

1000

990

980

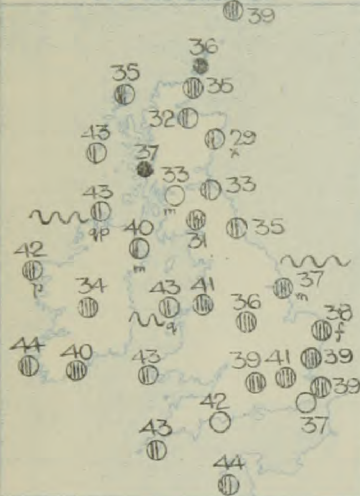
970

SYNOPTIC CHART FOR THE MORNING OF SATURDAY, 6TH JANUARY, 1917.

GENERAL INFERENCE.

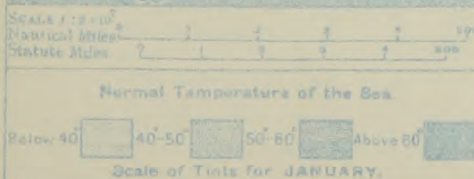
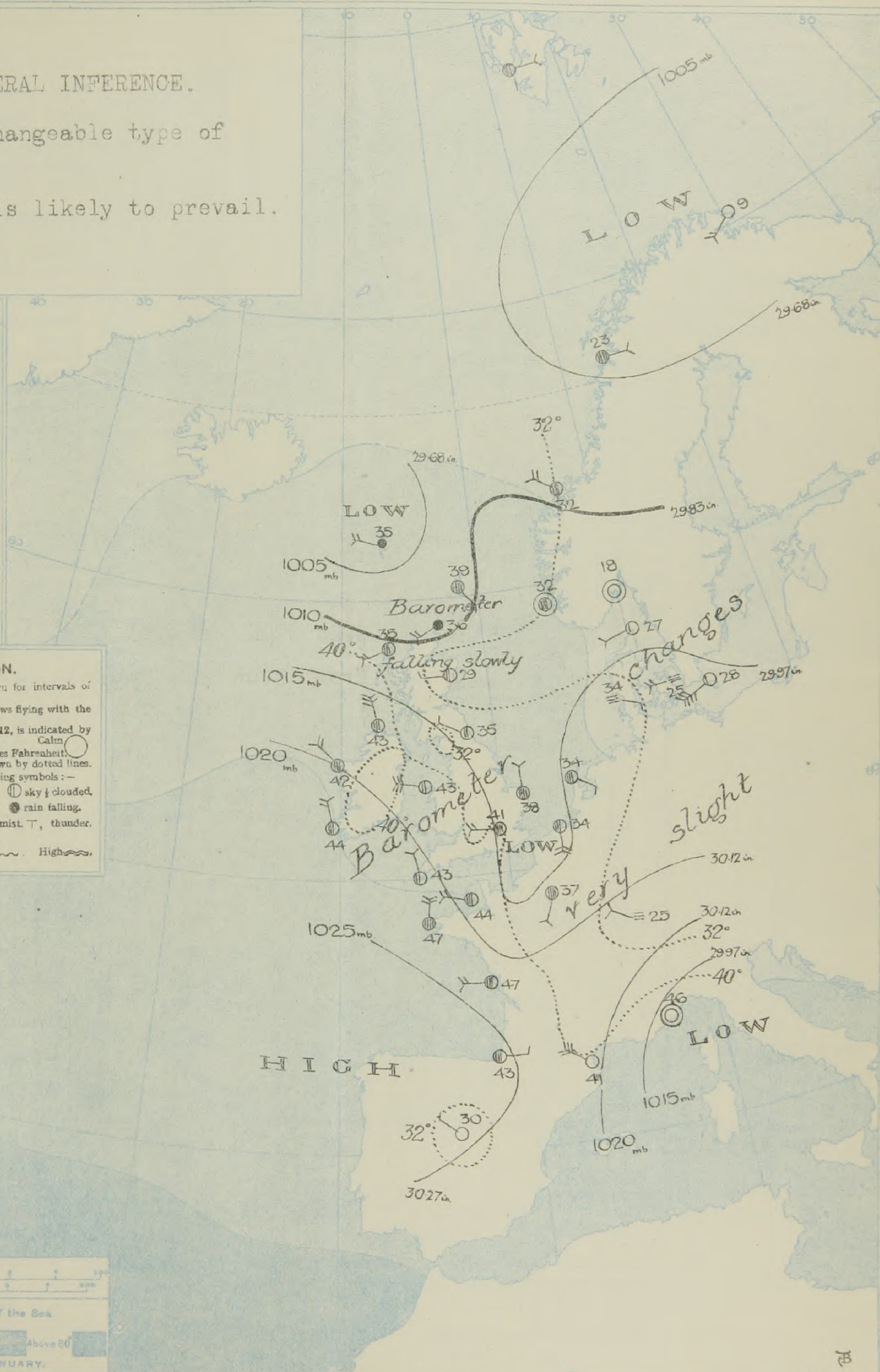
A changeable type of conditions is likely to prevail.

TEMPERATURE, WEATHER AND SEA DISTURBANCE



EXPLANATION.

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



REPORTS FOR YESTERDAY.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

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

5 ^h . 6 ^h . January 1917.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	... .. {	8.5 8.5	11.59 11.59	3.52 3.52
Greenwich	... .. {	8.7 8.6	12.5 12.6	4.3 4.5
Wick {	9.2 9.1	12.7 12.18	3.32 3.34
Valencia {	8.50 8.50	12.46 12.46	4.42 4.43

NOTES ON YESTERDAY'S WEATHER.

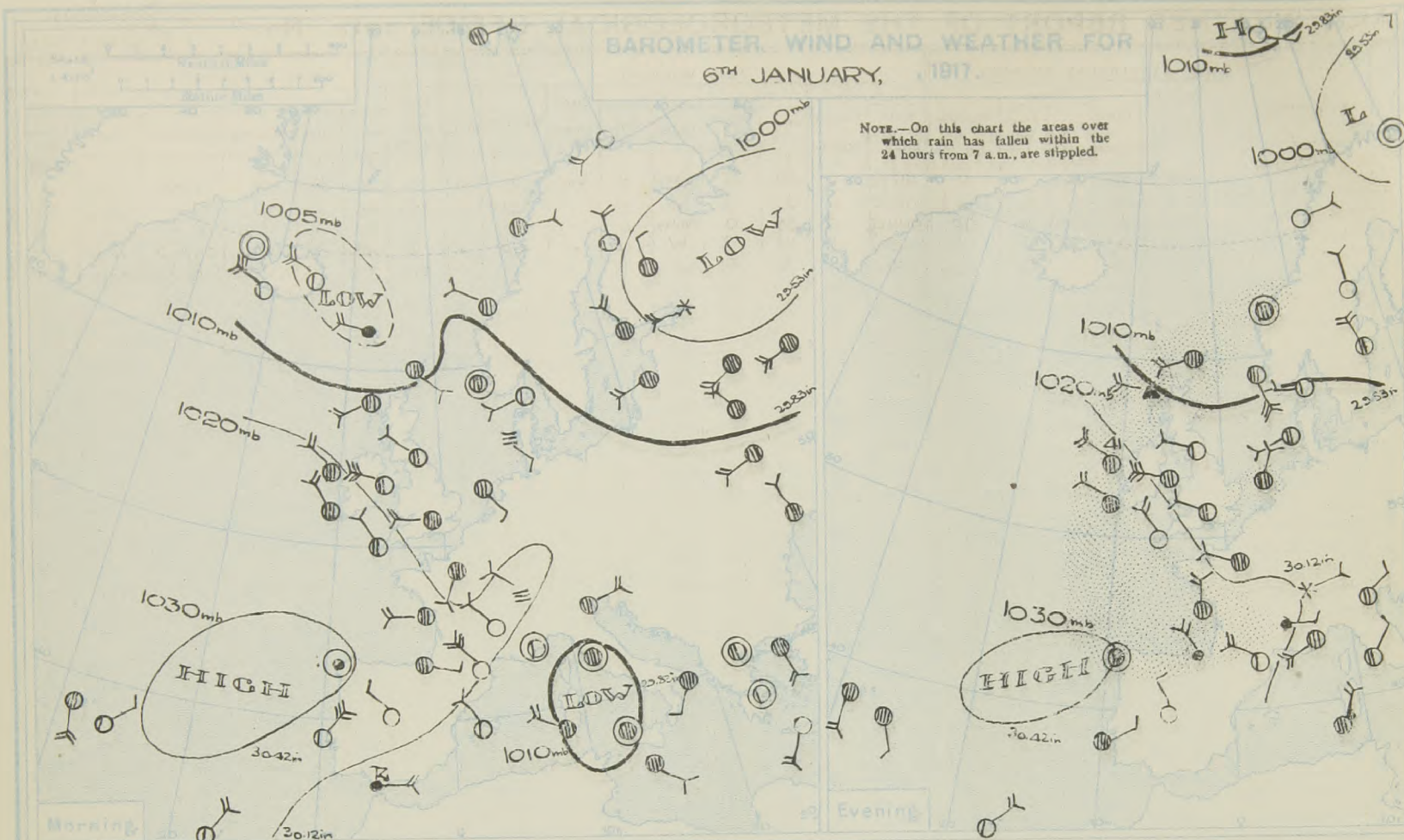
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 7

Sunday

7th January.

STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.							Sun shine for Yesterday.
	Barom. M.S.L.	Temp.	Wind.		Weather.	Barometer.		Temp.		Wind.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain-fall. Millimetres.	Temp.		Weather.					
			Direc.	Force 0-12.		Milli-bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
Lerwick	1002.5	36	WSW	3	o	997.2	-1	33	-6	WNW	3	NW	c	2	7	39	32	ob	osb	csp	*		
Deerness (Orkney)	1005.7	35	w	4	crshp	1001.0	-3	34	-2	w	5	-	hept	4	12	38	33	ob c	obsh	obshf	0.0		
Stornoway	1010.9	36	WNW	4	hp	1004.9	-3	35	0	NNW	6	-	cg	5	9	37	34	ob h	bcbh	cbhsq	1.0		
Castlebay (Barrisd.)	1015.9	39	w	3	cp	1008.8	-5	41	-2	w	4	-	ob	4	2	43	36	bcbpc	chbcb	cop	1.3		
Glasgow	1015.0	36	w	2	bc	1012.2	-3	38	+5	WSW	3	-	cm	*	0.3	39	32	xbmep	cbcbm	bcx	1.7		
Eskdalemuir	1016.2	34	WSW	1	bc	1011.5	-4	34	+3	SW	3	-	c	*	0.1	37	26	ocbcc	ccbc	beoc	2.2		
Malin Head	1016.9	43	NNW	5	bcqb	1010.4	-3	40	-3	w	3	NW	cmg	5	3	44	39	bcqb	pbcq	cmgb	2.3		
Blackod Point	1020.9	41	NW	4	cmp	1010.6	-7	42	0	SW	3	-	romd	3	2	48	39	bc	bcb	cbcm	*		
Valencia	1023.3	45	NNW	3	a	1014.6	-9	44	0	SSE	2	-	rod	3	0.2	47	37	adpc	d	cbcod	0.0		
Roche's Point	1023.4	43	NN	2	b	1016.9	*	41	+1	NE	1	-	o	1	0.1	47	38	abc	bc b	co	*		
Birr Castle	1021.6	37	SW	1	bc	1014.4	*	38	+4	SSW	1	-	o	*	-	43	33	bc	bc	bco	5.3		
Donaghadee	1016.9	40	WNW	4	cmg	1011.9	-3	38	-2	WSW	3	-	ogm	3	-	42	36	bcmg	bcmq	bemem	*		
Liverpool (Bidston)	1017.7	41	w	3	b	1015.0	-1	40	-1	WSW	3	w	o	3	-	43	39	b	bc	bc	3.6		
Holyhead	1019.1	43	WNW	6	o	1014.9	-3	42	+1	WNW	4	-	o	3	-	44	42	bc c	cbc c	oc	2.7		
Pembroke (St. Ann's)	1021.5	44	WNW	3	bc	1017.7	-4	44	+1	w	3	w	bcy	3	-	45		bc q	bc	bc.c bc	5.7		
BRITISH ISLANDS.																							
Scilly (St. Mary's)																							
Falmouth	1022.7	41	NNW	3	b	1019.2	-3	42	-1	WNW	1	-	o	*	1	47	36	cph bc	b.bcbh	b.bcco	3.0		
Jersey (St. Aubin)	1020.9	44	NW	3	c	1019.8	*	37	-7	NW	2	-	ag	2	0.1	48	35	b	bc oc	bog	5.7		
Portland Bill	1019.7	43	NW	4	bc	1018.4	-3	43	+1	w	3	w	o	3	-	45	41	b bc	bc	b.bc	*		
Dunegness	1015.9	34	N	1	b	1013.7	-1	33	-4	w	2	w	b	2	-	45	32	oc	cb	b.bcx	*		
Dover	1017.9	36	NW	3	b	1017.6	-	33	-6	w	1	-	b	3	0.1	39	32	c	cbcb	bx	0.0		
Wick	1008.1	33	w	3	bc	1002.8	-2	32	-3	w	4	-	c	3	2	37	32	ocmb	bcbp	bcbps	*		
Nairn	1010.8	35	w	2	c	1005.1	*	35	+3	w	1	-	cg	1	1	37	31	prcg	epu	cbx	1.9		
Aberdeen	1011.5	36	WSW	3	bc	1006.1	-4	30	+1	SW	1	-	b	2	0.1	38	28	orszb	b.bcz	bcb	3.3		
Leith	1013.5	37	w	2	b	1008.7	-3	37	+4	WSW	2	w	b	2	-	39	31	b.bcb	cbcb	bcb	*		
Tynemouth	1014.8	37	NNW	2	b.m	1011.5	-2	37	+2	w	1	-	b.m	3	-	38	34	b.c f	b.c.m	b.c.m	*		
Spurn Head	1016.6	38	NW	3	b.m	1014.2	-	38	+1	WNW	4	-	c	4	-	40	35	b.c.m	b.c.m	b.m	0.0		
Yarmouth	1015.8	37	NW	3	c	1015.1	-2	33	-5	NW	3	-	bcmx	2	2	42	31	of bc	bc.c.m	cm.bmx	1.8		
Clacton-on-Sea	1017.1	38	NW	2	c	1016.7	-1	39	0	NNW	2	N	b	2	-	39	32	og	og.c	cbc.x	0.0		
Nottingham	1017.5	38	NW	2	b	1015.5	*	35	-1	w	1	-	o	*	-	40	34	om	odbm	b.c.c	0.0		
Benson (Oxon.)	1013.1	37	NW	1	b	1017.1	-3	33	-6	-	0	-	ox	*	-	42	29	oc	bc	ox	*		
Sth Farnborough	1017.9	40	NW	2	o	1017.6	-2	32	-7	w	2	-	ox	*	0.2	43	29	o	oco	obox	0.2		
London (Kew Obsy.)	1013.5	41	WNW	2	bc	1017.6	-2	34	-7	SW	2	-	omx	*	Trace	42	32	c.co	bcbm	omx	0.2		
NORTHERN EUROPE.																							
Spitsbergen	1010.0	-19	SE	1	b	1009.9	+1	-24	-25	SSE	1	*	b	*	*	1	24						
Vardö	996.3	9	-	0	b	995.1	+2	23	+3	N	3	*	o	3	*	3	3						
Bodö	1001.5	25	E	2	b	999.3	0	23	0	E	2	-	b	2	-	21	19						
Skudensund	1005.7	34	-	0	o	997.1	-3	36	+4	E	1	-	o	3	2	24	19						
Skudenesnaes	1008.2	36	SSE	5	c	1006.2	-2	34	+2	WSW	4	-	o	3	-	36	32						
Færder (X'tania Fjord)	1012.7	21	-	0	m	1005.9	-4	36	+8	SSW	6	-	c	3	-	37	18						
The Scaw (Skagen)	1013.2	32	w	1	b	1008.8	-5	34	+7	S	4	-	b	4	-	36	27						
Blaavands Huk	1016.0	32	SW	2	bc	1010.9	-3	36	+2	SSW	4	-	o	3	Trace	37	28						
Copenhagen	1017.2	32	NNE	2	m	1014.6	-2	30	+5	WSW	2	-	o	*	-	32	25						
Bornholm	1016.3	32	NW	3	c	1015.5	+1	28	0	NNW	1	-	b	1	-	32	27						
FRANCE, &c.																							
The Helder	1015.1	36	NE	2	o	1018.5	-2	39	+5	WSW	3	-	bc	2	1	39	30						
C. Gris Nez	1016.2	40	NW	4	c	1018.4	-1	39	-3	NNW	3	*	o	3	-	46	39						
La Hève	?	48	NW	4	o	?	*	41	*	WSW	4	*	bc	5	-	48	39						
Brest (St. Mathieu)	1023.7	46	N	4	c	1019.7	?	50	+3	NW	4	*	c	3	?	52	48						
Rochefort (Ile d'Aix)	1022.0	45	N	3	c	1023.5	0	39	-8	NE	1	*	bc	*	1	48	39						
Biarritz	1023.5	50	NW	3	r	1024.2	+1	45	+2	SE	2	*	r	2	15	52	43						
PARIS.																							
Belfort	1019.1	32	E	2	s	1020.4	*	32	+7	NW	4	*	c	*	-	62	3.						
Lyons	1021.1	36	ESE	1	r	1021.1	*	*	*	NNE	?	*	?	*	-	41	33						
Nice	1016.2	43	WSW	4	c	1013.6	+3	39	-7	E	2	*	c	2	-	52	34						
Perpignan	1020.6	46	NW	3	b	1020.7	+2	45	+4	NNW	2	NW	b	*	-	52	32						
Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
SOUTHERN STATIONS.																							
Corunna	1030.0	48	-	0	o	1028.6	+1	45	+4	-	0	-	o	-	Trace	50	41						
Madrid	1024.2	46	NNE	1	b	1027.9	+1	30	0	-	0	-	b	*	-	45	30						
Lisbon	1030.1	56	ENE	1	o	1027.9	-0	53	+10	NNE	1	-	SE	1	-	59	?						
Azores (Horta)	1028.7	57	SSE	4	o	1027.4	+1	55	-3	SSE	5	*	c	2	-	64	?						
Madeira	1023.7	59	NE	3	b	1024.4	0	54	*	NE	3	-	o	3	-	63	54						
Gibraltar	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
Malta	*	*	*	*	*	1012.3	+1	55	-6	w	3	-	c	2	2	64	54						
Limassol	*	*	*	*	*	1024.0	0	46	+1	w	1	-	b	2	-	64	39						
Alexandria	1023.5	59	-	0	o	1022.4	-0	59	+2	-	0	-	b	*	-	70	54						
Cairo (Helwan)	1022.1	54	NE	3	b	1021.5	+1	52	+4	NE	3	-	b	*	-	74	48						
LONDON OBSERVATIONS.	Humidity.		Sun shine for Yesterday.	24 Hours ended 9 h. To-Day.							SOUTH KENSINGTON.												
15 h. Yesterday.		9 h. To-day.		Temperature.			Rain-fall.	Weather.		Vertical Component of Solar Radiation per square Centimetre during Yesterday.													
%		%	Hours.	° F.	° F.	° F.	mm.	Morn-ing.	After-noon.	Night.	Total.	Average Rate.	Max. Rate.										
GREENWICH (Royal Observatory)		54	0.8	40	32	28	0.00	0	0	c	Joules.	Milliwatts.	Milliwatts.										
CITY (Bunhill Row)		*	0.3	*	*	*	*	*	*	*	115	4.0	44.0										
WESTMINSTER (St. James's Park)		86	0.1	42	33	30	0.0	oc	om	b.c.u													
CAMDEN SQ. (British Rainfall)		88	0.0	41	30	28	Trace	0	0	*													
HAMPSTEAD (Reservoir)		*	0.7	39	30	23	0.00	0	co	comx													
S. KENSINGTON (Museum Grounds)		*	0.1	43	34	28	Trace	0	com	o.													
RICHMOND PARK		*	*	*	*	*	*	*	*	*													
Temperatures at Greenwich and Cam-den Square are from Glaisher screens.																							



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

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay.

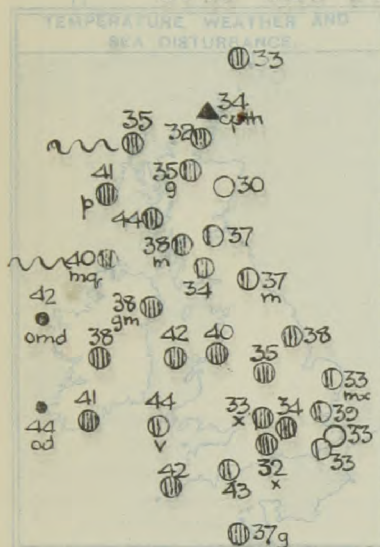
Light to moderate Westerly breezes, backing towards South and increasing; changeable, rain spreading in from west; temperature rising.

North-Westerly to South-Westerly breezes, freshening; sea moderate to rather rough; cloudy, some showers; local mist or fog; moderate temperature.

FURTHER OUTLOOK.

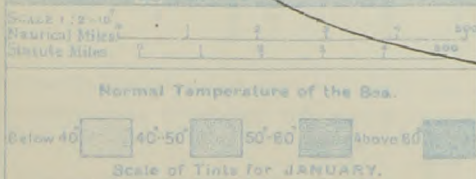
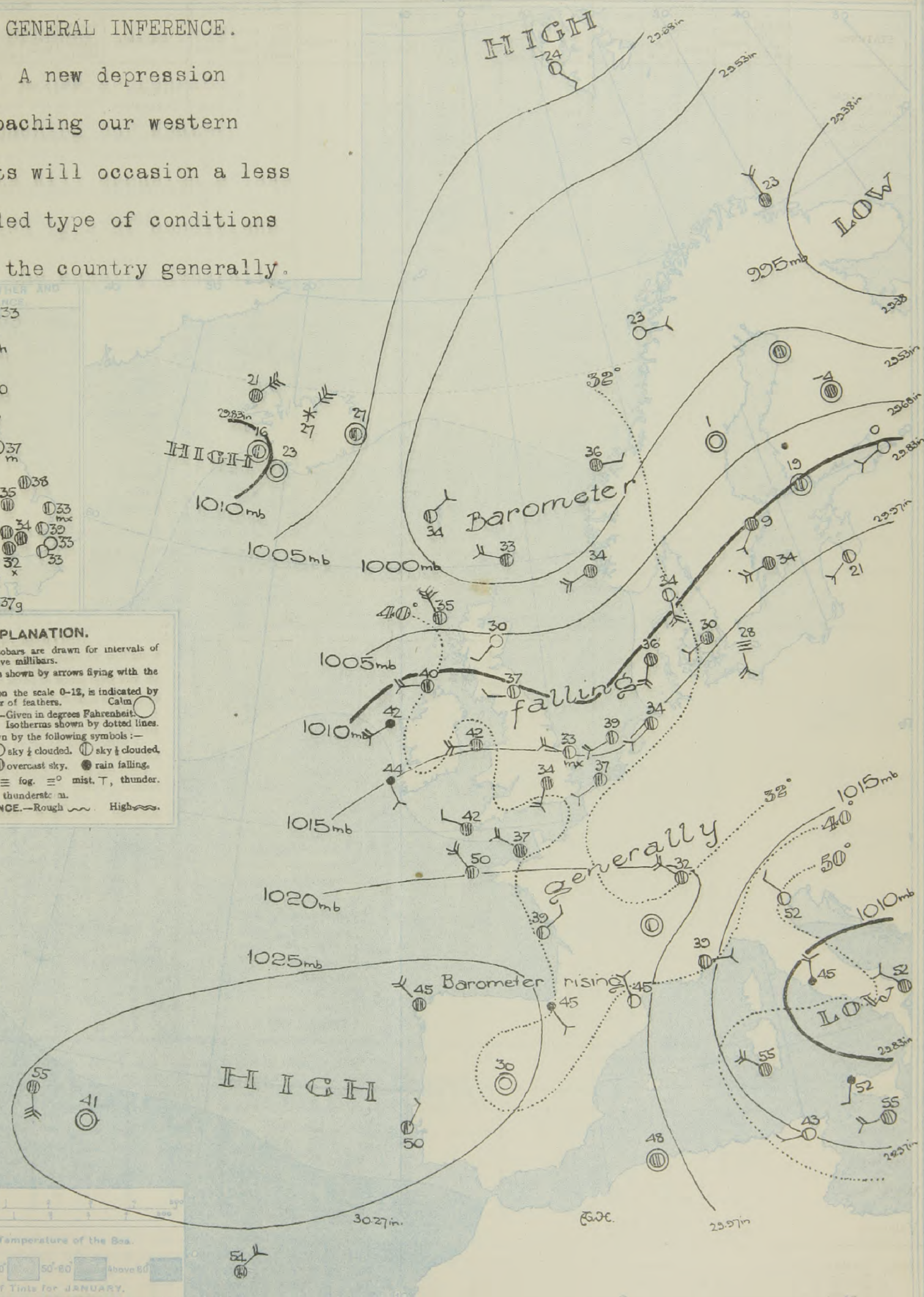
GENERAL INFERENCE.

A new depression approaching our western coasts will occasion a less settled type of conditions over the country generally.



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 cloudy. sky 3/4 cloudy. overcast sky. rain falling.
 snow. hail. fog. mist. thunder.
SEA DISTURBANCE.—Rough High



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.				PAST 24 HOURS.				MORNING.										
	Barom. Milli- bars at M.S.L.	TEMP. ° F.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 24 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dir.	Force 0-12.			Max.	Min.			Dry Bulb. ° F.	Change in 24 hours. ° F.	Dir.	Force 0-12.		
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...																Isafjord ...	1006.0	23	0	—	0	b
	Gorki ...	996.7	32	S	2	0	1004.7	+5	23	+27	NNW	2	0	—	*	-2	Reykjavik ...	1007.4	28	-2	—	0	b
	Velieki Luki ...						1002.7	*	18	+2	SW	3	0	4	*	16	Vestmanna ...	1007.7	30	0	NW	5	b
	Hangö ...						1002.6	+1	1	-13	NNW	3	0	—	*	-2	Seydisfjord ...	1008.8	27	+8	NE	4	b
	Riga ...	997.9	21	N	4	0	1004.7	+1	19	-11	WSW	3	0	3	*	19	Thorshavn ...	1002.3	35	+9	WNW	3	r
	Petrograd ...	996.8	19	E	2	0	993.2	+4	5	-2	E	3	8	4	19	5							
	Moscow ...	999.7	28	SSE	3	0	1000.3	+16	27	+11	WSW	4	0	8	*	16							
	Kiev ...	1008.8	32	WSW	3	b	1014.6	+1	27	+6	WSW	3	0	2	*	?							
	Kharkov ...	1011.5	34	E	2	0	1014.7	+1	30	+3	—	0	c	?	*	?							
	Kishinev ...														*	27							
MEDITERRANEAN.	Elisabetgrad ...						1016.3	+3	36	+8	NW	2	5	—	*	28							
	Nicolaiev ...	1014.1	37	—	0	0	1014.7	*	32	-2	N	2	0	+	*	28							
	Odessa ...	1009.9	34	WSW	6	0	1015.0	+0	34	-2	ENE	3	0	—	*	32							
	Tarkhankout ...	1014.6	48	S	4	C		*							*								
	Soukhom ...														*								
	Venice ...	1011.7	46	NE	2	0	1018.6	*	45	+4	ENE	3	C	Trace	46	41	British Isles ...			b.		h.	18
	Pesaro ...	1012.1	45	SW	1	r	1014.9	*	45	+2	NE	2	r	15	54	43	France ...			7		18	
	Rome ...	1011.1	52	—	0	0	1009.4	*	48	-6	N	1	0	8	55	48	Norway ...			7		18	
	Viesti ...	1013.0	52	SW	1	0	1011.1	*	54	+4	NE	1	r	—	54	39	Sweden ...			7		17	
	Brindisi ...	1012.2	59	NW	1	bc	1012.1	*	54	0	SW	1	0	—	50	64	Denmark ...			7		18	
SWEDEN.	Cagliari ...	1009.6	69	SE	3	0	1009.6	*	57	-2	NW	3	0	—	68	52	Holland ...			7		18	
	Palermo ...	1012.4	57	—	0	b	1009.6	*	48	+2	—	0	0	—	64	45	Italy ...			7		20	
	Tripoli ...	1013.3	55	—	0	0	1013.2	*	54	+8	—	0	C	—	64	46	Egypt ...			6		18	
	Algiers ...																Corunna... ..			7		16	
	Hernösand ...	1007.1	-2	N	2	b	1007.5	*	-4	-2	—	0	b	*	*	*	Madrid ...			8		16	
	Stockholm ...	1006.3	5	W	2	b	1011.3	*	10	-4	WSW	2	b	*	*	*	Lisbon ...			7		21	
	Wisby ...	1014.3	14	N	4	b	1012.7	*	30	+3	W	4	bc	*	*	*	Azores ...			8		17	
																	Madeira ...			7		21	
																	Malta ...			8		—	
																	Limassol ...			6		—	

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	-
Limassol ...	6	-

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun-shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun-shine		
	Night. 1st-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 1st-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			
	Mm.	Mm.	F.	F.			Hr.		Mm.	Mm.	° F.	° F.			Hr.		
Scotland.	Oban	1	3	43	35	b.c.p.h.	b.c.p.h.	2.3	England, E.	Lowestoft	5	-	40	33	b.c. o	o	0.4
	Banff	-	-	39	34	bc	bc	3.1		Felixstowe	6	Trace	34	36	b.c. c. bc	c. p. c.	0.9
	Montrose	*	*							Walton-on-Naze	4	-	41	35	o. c. bc. b	bc. b	1.2
	Carnoustie									Southend-on-Sea							
	St. Andrews																
Eng. N.E.	Harrogate	2	-	36	28	b.c. b	b. bc. c	3.2	England, S.E.	Margate	6	Trace	41	37	o	cp	0.0
	Skegness	*	*	40	31	T. o. bc	bf	2.7		Ramsgate	5	-	39	36	o	o	0.0
Eng. N.W.	Morecambe									Hastings	6	-	44	37	or. o	bc. o	1.3
	Southport	1	-	42	36	o. c. bc	o. c. bc	2.7		Eastbourne	13	-	42	39	c	c	0.6
Midlands.	Leamington Spa									Seaford	*	*	46	38	o	c	0.4
	Malvern									Brighton							
	Ross-on-Wye	1	Trace	45	34	bc	c. b.c.p.	2.4		Worthing	8	-	44	39	bc	bc	2.0
Wales.	Rhyl								England, S.W.	Littlehampton	7	-	44	36	o. bc	bc. o	1.8
	Colwyn Bay	*	*							Bognor	*	*	44	39	bc	bc	3.4
	Llandudno	*	*							Bournemouth	2	-	45	36	b	b	5.6
	Aberystwyth	*	*	46	41	r. o. c	bc. c	2.0									
	Tenby									Weymouth	*	*					
									Torquay	6	Trace	46	36	bc	bc. b	3.0	
									Paignton	*	*						
									Penzance	4	Trace	49	42	cp. r. bc	b	4.3	
									Newquay								
									Bude								
									Ilfracombe								
									Weston-s-Mare								

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

7 th & 8 th January 1917.			
	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.4	11.59	3.54
	8.4	12.0	3.56
Greenwich ...	8.6	12.6	4.6
	8.6	12.7	4.8
Wick ...	9.0	12.18	3.36
	9.0	12.19	3.38
Valencia ...	8.49	12.47	4.44
	8.49	12.48	4.46

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

STATION.	Comp. to E.		Comp. to N.		Comp. to E.		Comp. to N.		Comp. to E.		Comp. to N.		Comp. to E.		Comp. to N.	
	Rate and Hour.		Rate and Hour.		Rate and Hour.		Rate and Hour.		Rate and Hour.		Rate and Hour.		Rate and Hour.		Rate and Hour.	
Heights in Kilometres																

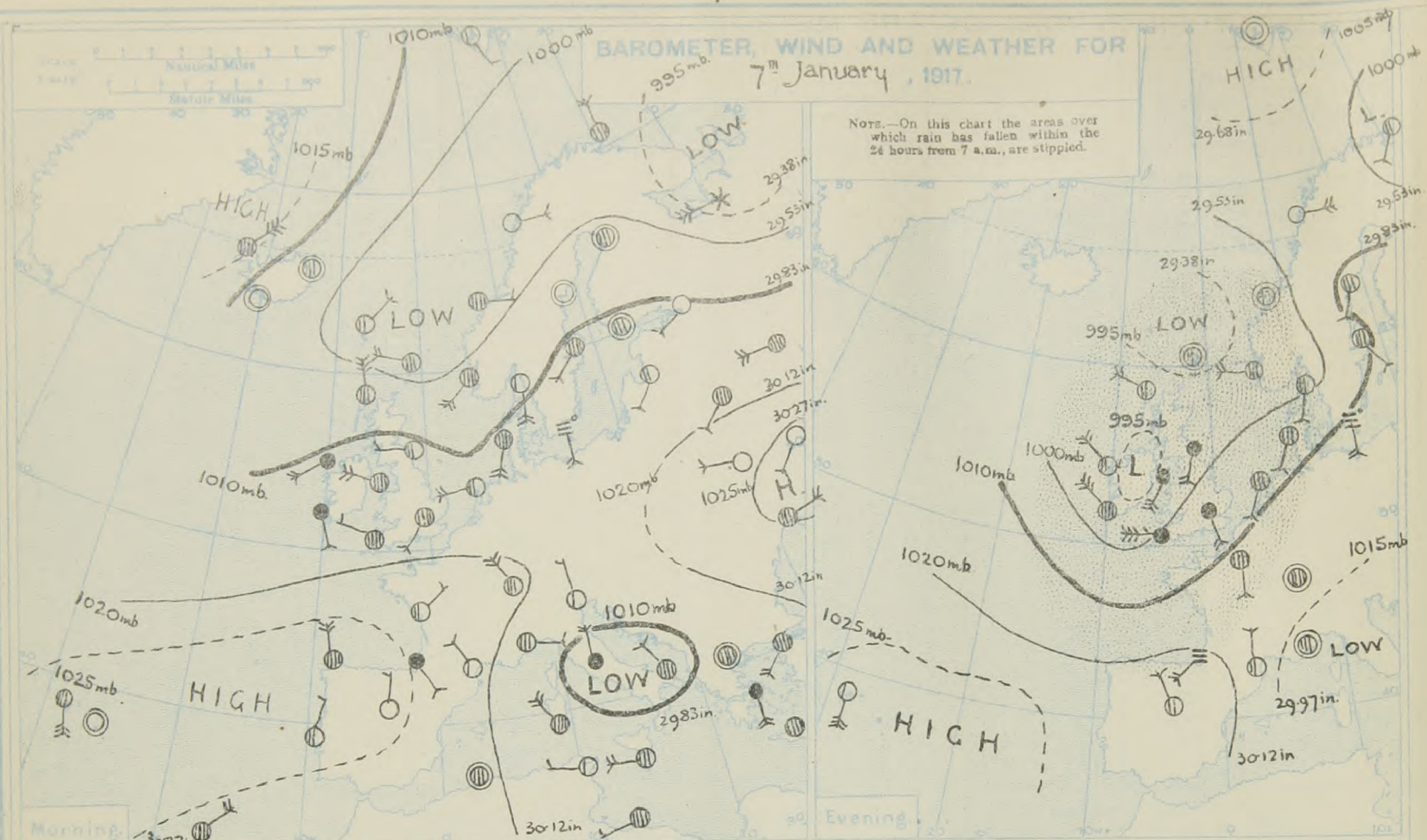
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 8.

Monday
8th January

STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS					Sun- shine for Yester- day.	
	Barom. Milli- bars at M.S.L.	Temp. °F.	Wind.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	Temp. °F.	Dry Bulb.	Change in 24 hours.	Wind.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall Milli- metres.	Temp.		Weather.			
			Dir.	Force 0-12.							Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.		Night.
Lerwick	991.8	36	—	0	bc	997.6	+5	38	38	+5	NE	4	NE	bc	3	3	39	32	psc	bc	bc	Hours.
Deerness (Orkney)	993.9	36	WNW	3	cpsh	995.6	+	37	37	+3	NE	4	—	c	4	4	37	33	cpsh.b	b.psh.c	cpsh	3.2
Stornoway	997.5	34	WNW	3	bc	997.4	+1	37	37	+2	N	6	—	cpsh	5	3	38	33	o	o.bc	cpsh	0.0
Castlebay (Barra Isd.)	998.3	38	N	3	o	993.0	+2	39	39	-2	WNW	5	—	b	5	5	41	35	op.r	rsp.o	cpsh	0.0
Glasgow	996.2	35	SSE	1	omrs	991.3	0	31	31	-7	NNE	1	—	b	18	39	29	comp	omrs	osbcb	0.0	
Eskdalemuir	996.8	33	E	3	oms	986.5	0	31	31	-3	N	8	—	o	8	37	30	cosod	omd.or	osm	0.0	
Malin Head	995.0	37	SW	2	omr	993.5	0	39	39	-1	NNE	7	N	cpsh	8	20	42	36	omr	omr	cpsh	0.0
Blackod Point	997.3	41	NW	4	bcb	999.9	?	39	39	-3	N	8	N	cpsh	6	9	45	37	omd	omr	cpsh	0.0
Valencia	998.6	49	NW	5	q	1002.5	+2	37	37	-7	N	4	—	obch	16	51	36	or	or	c.cph	0.0	
Roche's Point	996.4	49	WNW	2	r	997.9	+	39	39	-2	WNW	5	—	b	4	14	50	37	or	r	obcb	0.0
Birr Castle	993.3	46	W	2	o	996.3	+	34	34	-4	NW	2	—	o	3	46	33	or.od	ad.o	o.c.o	0.0	
Donaghadee	994.2	40	SSW	3	omr	990.3	+2	39	39	+1	NNE	6	N	bcm	6	11	40	36	omg	omr	omgr	0.0
Liverpool (Bidston)	997.8	38	SE	3	r	980.8	-1	35	35	-5	WNW	5	—	r	4	13	42	33	o	or	or	0.0
Holyhead	995.3	43	SW	5	orm	986.0	+1	37	37	-5	WNW	10	—	or	9	13	44	36	caorm	orm	o.crm	0.0
Pembroke (St. Ann's)	995.9	48	SSW	5	r	989.9	-1	40	40	-4	NW	6	NW	cq	4	7	48	...	cp	or.opd	b.cq	0.0
BRITISH ISLANDS.																						
Scilly (St. Mary's)	1000.3	48	W	7	rq	992.9	0	41	41	-1	NW	7	—	bcb	24	50	40	or	rq	rqph	0.0	
Falmouth	1008.3	46	SW	3	r	990.5	+	44	44	+7	WNW	6	W	bc	4	17	51	37	omd	omd.or	or.bc	0.0
Jersey (St. Aubin)	1001.1	44	SSE	4	or	986.3	0	40	40	-3	WNW	8	—	b	4	4	46	39	b.bc	or	or.bc.b	0.0
Portland Bill	1001.4	44	SSW	4	op	979.9	-4	43	43	+10	WSW	5	SW	c	4	9	47	38	bc	cp.o	or.c	0.0
Dungeness	1006.4	44	SSW	4	or	979.7	-2	40	40	+7	W	4	W	c	6	8	46	38	b.c.o	op.r	or.c	0.0
Dover	1005.0	42	S	6	r	979.7	-2	40	40	+7	W	4	W	c	6	8	46	38	b.c.o	op.r	or.c	0.0
Wick	996.3	29	WSW	3	bc	994.1	+4	38	38	+6	ESE	5	—	r	4	5	39	28	cp.bc	bc	b.crm	0.0
Nairn	996.6	35	—	0	o	993.1	+	37	37	+2	W	4	—	bcb	2	1	37	28	cp	cp.o	o.cfs	0.0
Aberdeen	997.1	35	SW	1	o	991.3	0	31	31	+1	NW	3	—	b	2	0.2	37	29	bcb	cp	o.cfs	0.0
Leith	996.3	38	E	1	r	989.2	0	36	36	-1	NE	3	NE	c	4	15	39	33	bc.o	e.adm.o	rs.rc	0.0
Tynemouth	998.7	39	SSW	3	omd	981.8	-3	39	39	+2	NE	7	—	omgr	5	11	40	36	f	omd	omgr	0.0
Spurn Head	1002.6	38	SSW	4	c	975.3	-1	38	38	0	NW	4	—	omr	6	7	39	34	f	c	omr	0.0
Yarmouth	1004.3	37	SW	4	om	975.8	-11	43	43	+10	S	3	—	r	5	9	42	32	bc.c	c.om	omgr	0.7
Clacton-on-Sea	1006.0	41	S	4	o	978.3	-5	42	42	+3	WNW	3	—	c	2	5	45	33	bc.cbc	bc.c.o	og.or.c	0.0
Nottingham	1000.4	38	S	3	r	975.4	+	35	35	0	NW	2	—	r	1	7	43	35	om	omr	r	0.0
Benson (Oxon.)	1001.5	41	S	4	r	979.2	-4	38	38	+5	WSW	5	—	o	4	4	43	32	o	or	or.o	0.0
Sth Farnborough	1007.2	44	S	4	r	981.1	-2	38	38	+6	W	4	—	o	5	47	32	o	or	r.c.o	0.0	
London (Kew Obs.)	1003.3	41	SSE	3	ad	979.6	-2	40	40	+6	WSW	4	—	o	5	46	33	omx.crm	om.od	od.or.o	0.0	
NORTHERN EUROPE.																						
Spitsbergen	1009.5	-29	—	0	b	1008.8	0	-29	-29	-5	SSE	2	—	b	3	+	-20	-33	Snow—light			
Vardø	996.3	19	SW	2	bc	1001.2	+2	18	18	-5	NW	3	—	s	3	+	23	14	at Glasgow (10cm) and			
Bodø	1003.4	18	E	4	b	1006.6	+2	14	14	-9	E	4	—	b	2	+	13	9	Leith (2cm).			
Christiansund	996.0	34	—	0	b	1002.0	+3	30	30	-6	NE	4	—	o	3	+	36	28				
Skudesnaes	996.0	36	W	3	c	995.5	0	34	34	0	ESE	3	—	o	2	?	36	30				
Færder (Xianiafjord)	998.9	27	NW	6	r	998.7	+1	30	30	-6	N	4	—	s	3	?	37	27				
The Scaw (Skagen)																						
Blaavands Huk	1005.1	36	SSW	2	bc	995.3	-5	34	34	-2	S	4	—	o	3	2	39	32				
Copenhagen	1009.6	32	SW	3	c	1001.7	-3	34	34	+4	S	3	—	s	3	Trace	34	30				
Bornholm	1010.7	32	S	3	m	1004.2	-4	30	30	+2	S	2	—	m	1	—	32	27				
FRANCE, &c.																						
The Helder	1007.0	41	SSW	2	c	981.1	-10	34	34	-5	SE	4	—	r	3	3	43	36				
C. Gris Nez	1007.8	40	S	5	c	981.3	-5	44	44	+5	WSW	7	—	bc	7	8	45	39				
La Hève	1002.1	43	SSW	6	r	982.0	+	41	41	0	WNW	7	—	c	7	7	48	37				
Brest (St. Mathieu)	1007.4	51	WSW	6	r	995.9	-1	46	46	-4	NW	6	—	c	7	6	52	43				
Roche fort (Ile d'Alx)	1015.5	49	W	5	r	996.0	-10	51	51	+12	WSW	8	—	r	7	19	51	39				
Biarritz	1020.0	46	SW	3	f	1008.0	-6	54	54	+9	SW	5	—	o	3	3	54	45				
PARIS.																						
Paris	1013.1	39	S	2	o	986.6	-7	48	48	—	SW	4	—	r	10	48	32	GALES				
Belfort	1019.0	33	—	0	o	998.7	+	32	32	0	NW	2	—	r	6	36	28	Duration and Extreme Force				
Lyons	1019.9	35	NNW	1	b	1003.9	+	35	35	?	S	4	—	o	2	40	31	in British Islands.				
Nice	1014.3	42	—	0	c	1012.2	-1	37	37	-2	—	0	—	c	2	—	50	34	Blackod Pt. N 8 at 7h. 8th			
Perpignan	1019.8	43	N	2	bc	1011.4	-5	39	39	-6	SW	1	—	o	1	—	50	37	Holyhead NW 8 at 1h. 8th			
Sanguinaire	1011.7	48	N	3	o	1013.9	+	46	46	—	E	3	—	b	4	—	52	43	NNW 10 at 7h.			
SOUTHERN STATIONS.																						
Corunna	1025.7	52	W	1	c	1014.3	-5	52	52	+7	SW	6	—	r	3	2	52	45	Portland Bill /WNW 8			
Madrid	1023.7	46	NNW	2	bc	1020.8	-3	30	30	0	—	0	—	o	1	—	46	30	2h-7h. 8th.			
Lisbon																			Dungeness S 8 at 1h. 8th			
Azores (Horta)	1026.1	+	S	5	b														Yarmouth S 8 midnight			
Madeira																			7h to 2h. 8th.			
Gibraltar																						



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.
The Coasts upon which the Warning Signals are at present displayed are indicated thus:—
Signals hoisted yesterday. Signals hoisted this morning.
South Cone. South Cone. North Cone. North Cone.

WARNINGS ISSUED at 9h.25m.

Western Channel and Bay

0 { Squally wind between North-East and North-West, strong to gale locally; some cold rain or snow; night frost.

1 { Squally wind between North and West, strong to gale at times; unsettled, some rain, with sleet or snow locally; cold, night frost.

2 { Same as Nos. 0 and 1.

3 { Same as Nos. 2 to 5.

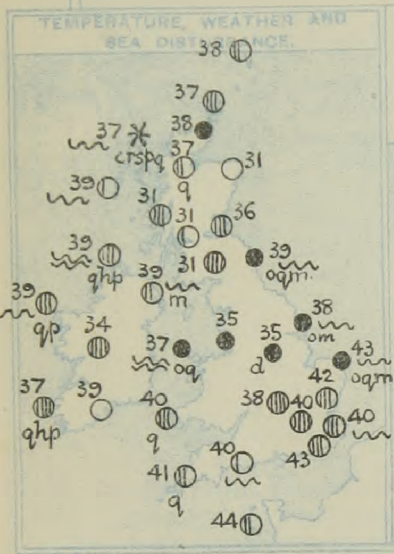
4 { Squally Northerly to North-Westerly wind; strong to gale at times; rough sea; unsettled, some rain or sleet; cold.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF MONDAY, 8TH JANUARY, 1917.

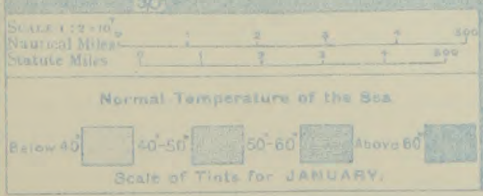
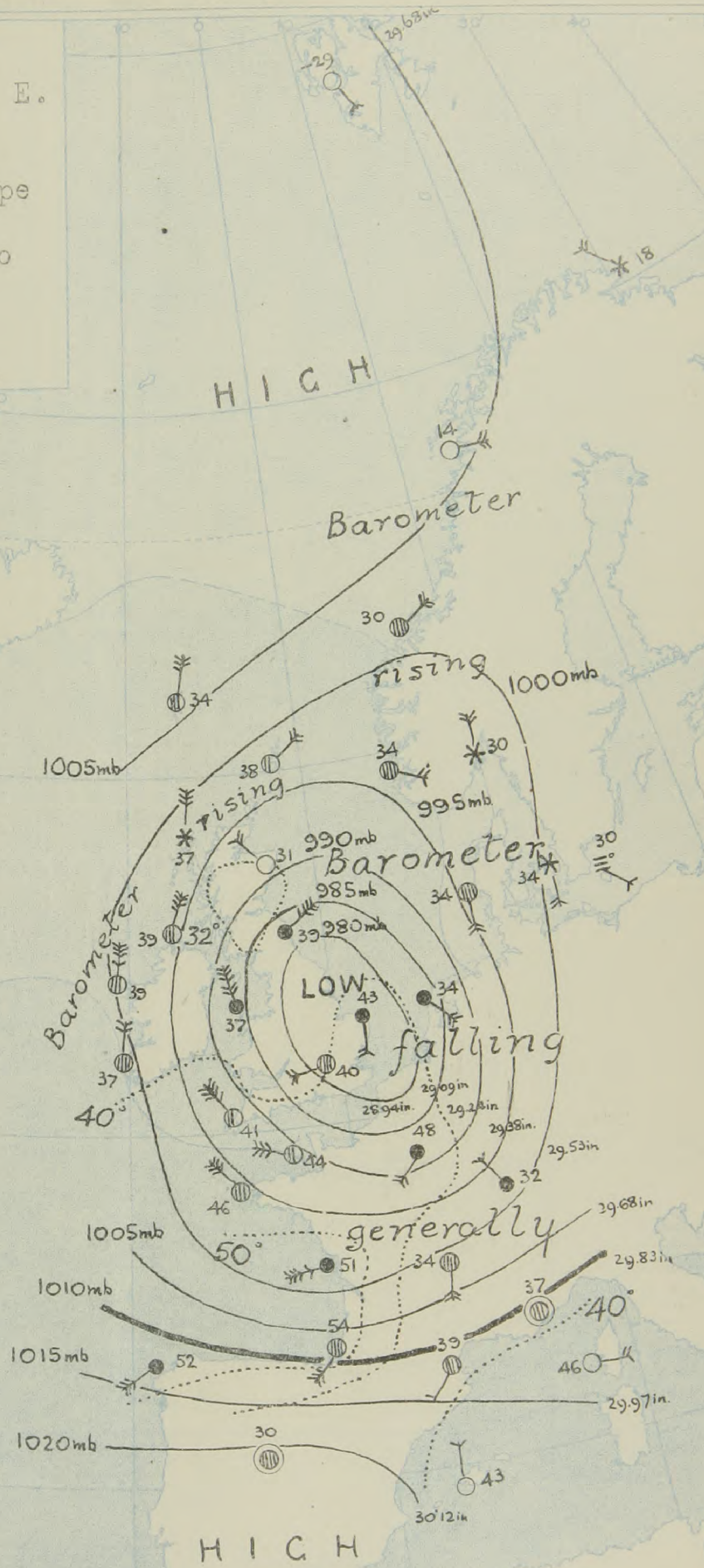
GENERAL INFERENCE.

A cold polar wind type of conditions is likely to prevail.



EXPLANATION.

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



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.					PAST 24 HOURS.					MORNING.						
	Barom. Milli- bars at M.S.L.	TEMP. ° F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.
			Dir.	Force 0-12.				Dry Bulb. ° F.	Change in 24 hours. ° F.					Dir.	Force 0-12.			Max. ° F.	Min. ° F.	Dry Bulb. ° F.	Change in 24 hours. ° F.		Dir.	Force 0-12.
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	991.7	18	E	1	0	992.0	0	14	W	5	5	-	*	14	Isafjord ...	1015.9	21	-	NE	6	0
	Gorki ...	1011.7	18	SW	2	b	1018.9	+1	16	SW	2	0	-	*	2	Reykjavik ...	1010.6	16	-	-	0	bc
	Veliki Luki ...	1011.7	18	SW	2	b	1019.3	*	3	SSW	2	0	2	*	3	Vestmanna ...	1008.7	23	-	-	0	b
	Hangö ...	1012.7	21	W	2	b	1010.4	0	19	WNW	1	c	-	*	16	Seydisfjord ...	1006.4	27	-	-	0	c
	Riga ...	1012.7	21	W	2	b	1015.9	0	21	SW	2	bc	3	*	14	Thorshavn ...	995.8	34	NE	2	bc	
	Petrograd ...	1003.3	5	WNW	3	s	1011.3	+2	0	WSW	2	b	2	*	16							
	Moscow ...	1009.7	14	SW	3	b	1014.9	+1	12	W	4	0	-	*	10							
	Kiev ...	1017.6	14	WNW	3	b	1029.7	0	9	W	2	b	-	*	9							
	Kharkov ...	1021.3	27	NW	4	0	1030.1	0	7	SW	2	b	-	*	7							
	Kishinev ...	1026.0	27	NW	3	0	1027.1	0	25	-	0	0	-	*	23							
MEDITERRANEAN.	Elisabetgrad ...	1026.0	25	NNW	3	c	1030.7	0	9	-	0	c	-	*	9							
	Nicolaiev ...	1025.0	32	NE	2	0	1030.4	0	25	NE	2	0	3	*	25							
	Odessa ...	1024.3	34	ENE	3	0	1028.8	0	28	WNW	3	0	1	*	27							
	Tarkhankout ...	1019.8	43	NNE	2	bc	1025.7	-	32	NE	1	-	-	*	31							
	Soukhom ...	1017.2	37	NE	1	bc	1013.5	*	52	NNW	1	b	-	*	34							
	Venice ...	1015.7	45	N	4	0	1012.7	*	37	W	4	0	22	48	35							
	Pesaro ...	1009.2	45	N	3	0	1008.9	*	45	N	3	r	9	64	3							
	Rome ...	1010.8	50	WNW	3	0	1007.1	*	?	NNW	2	m	5	55	46							
	Brindisi ...	1009.9	55	SW	2	c	1008.1	*	52	NW	2	0	1	64	50							
	Cagliari ...	1007.0	61	NNE	3	c	1013.7	*	55	NW	4	0	-	66	48							
SWEDEN.	Palermo ...	1009.4	52	ESE	2	r	1011.0	*	52	SSW	1	r	12	64	48							
	Tripoli ...	1013.4	52	-	0	c	1015.0	*	58	WSW	1	0	5	66	50							
	Algiers ...	1020.7	48	NE	2	bc	1021.1	+1	48	-	0	c	5	55	46							
	Hernösand ...	1007.8	-9	N	2	b	1005.1	*	1	-	0	b	*	*	*							
	Stockholm ...	1009.9	7	W	2	b	1012.2	*	9	SW	2	0	*	*	*							
	Wisby ...	1010.1	25	NNW	4	bc	1014.0	*	34	WSW	4	0	*	*	*							

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	-
Limassol ...	6	-

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night. 12h-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 12h-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			
	Min.	Min.	F.	F.					Min.	Min.	F.	F.					
Scotland.	Oban	2	6	41	35	ors	0	0.0	England, E.	Lowestoft	-	-	40	33	bc	0.3	
	Banff	-	-	38	33	bc	bc.c	0.1		Felixstowe	-	-	40	33	bc	0.3	
	Montrose	-	-	38	33	bc	bc.c	0.1		Walton-on-Naze	-	-	41	33	c	0.1	
	Carnoustie	*	*	38	33	bc	bc.c	0.1		Southend-on-Sea	-	-	41	33	c	0.1	
	St. Andrews	*	*	38	33	bc	bc.c	0.1									
Eng. N.E.	Harrogate	Trace	Trace	38	33	o	or	0.0	England, S.E.	Margate	-	-	38	34	co	0.0	
	Skegness	-	Trace	38	29	o	or	0.0		Ramsgate	-	-	44	32	co	0.0	
										Hastings	-	1	44	32	co	0.0	
										Eastbourne	-	2	44	35	r	0.0	
										Seaford	*	*	44	35	r	0.0	
Eng. N.W.	Morecambe	Trace	1	42	38	oco	or	0.0	England, S.W.	Brighton	-	-	43	30	bro	0.0	
	Southport	Trace	1	42	38	oco	or	0.0		Worthing	-	1	43	30	bro	0.0	
										Littlehampton	-	1	44	33	o	0.0	
										Bognor	-	1	44	33	o	0.0	
										Bournemouth	-	Trace	44	33	d	0.0	
Midlands.	Leamington Spa	-	-	43	37	co	ob	0.0	England, S.W.	Weymouth	-	-	44	33	d	0.0	
	Malvern	-	-	43	37	co	ob	0.0		Torquay	-	-	44	33	d	0.0	
	Ross-on-Wye	-	-	43	37	co	ob	0.0		Paignton	-	-	44	33	d	0.0	
Wales.	Rhyl	-	1	43	37	co	ob	0.0		England, S.W.	Penzance	-	-	44	33	d	0.0
	Colwyn Bay	-	1	42	39	c	c	0.0			Newquay	-	11	49	37	or	0.0
	Llandudno	-	1	44	40	o	o	0.0	Bude		-	11	49	37	or	0.0	
	Aberystwyth	-	1	44	40	o	o	0.0	Ilfracombe		-	11	49	37	or	0.0	
	Tenby	-	1	47	41	oco	or	0.0	Weston-s-Mare		-	11	49	37	or	0.0	

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

8 th & 9 th January 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.4	12.0	3.56
Greenwich ...	8.3	12.0	3.57
Wick ...	8.5	12.7	4.3
Valencia ...	8.59	12.19	3.38
	8.49	12.48	4.46

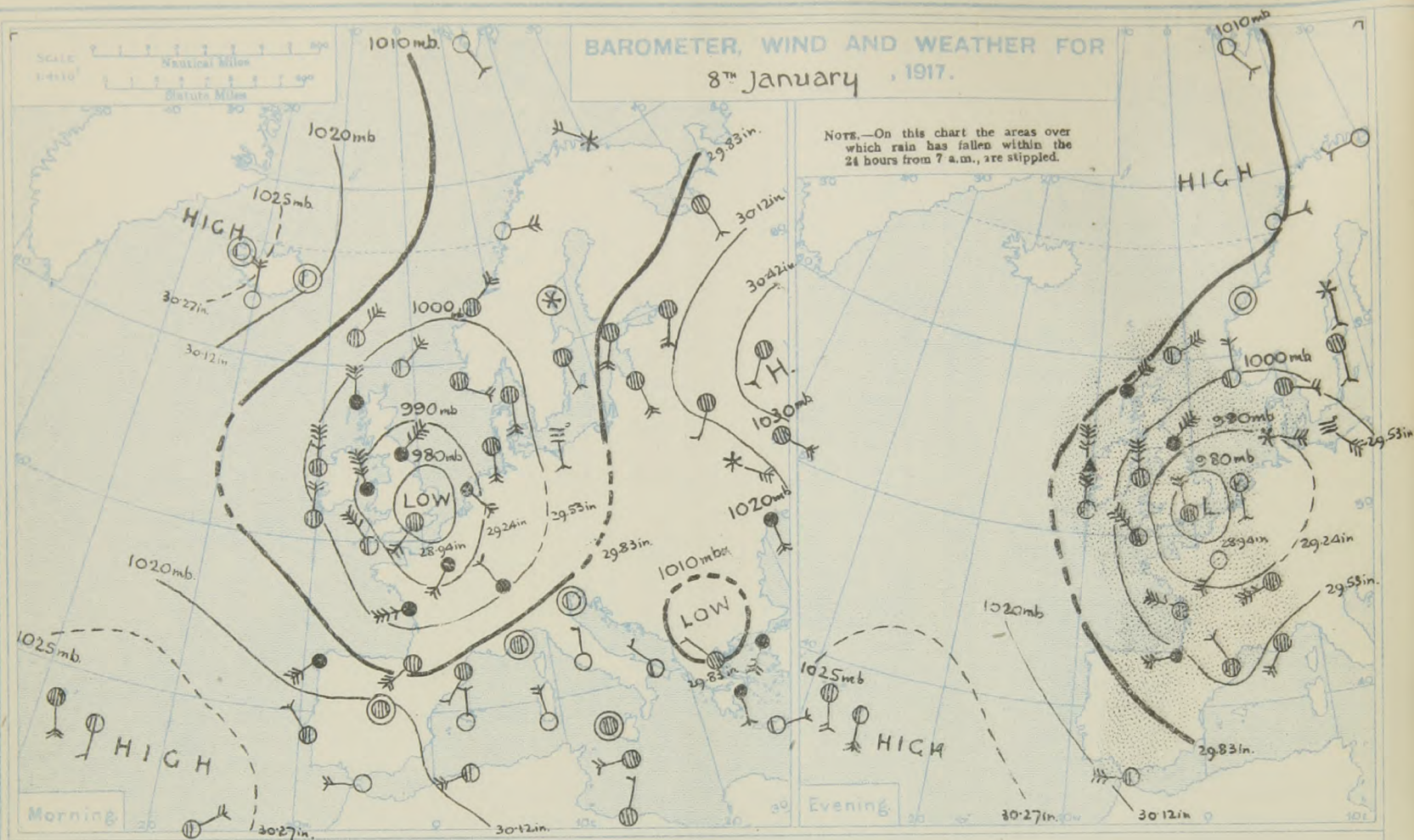
NOTES ON YESTERDAY'S WEATHER.

Temperature was rather variable, the maxima ranging from 37° to 51°. Rain, sleet or snow was general, up to 24 mm. at Falmouth. The day was all but sunless.

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

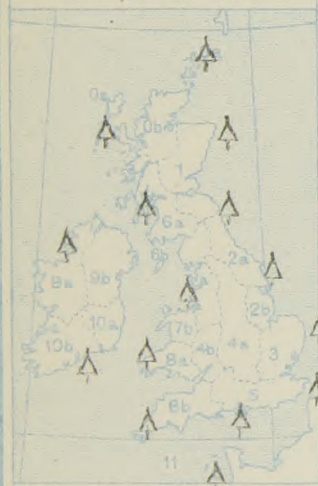
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STATIONS.	YESTERDAY EVENING.					THIS MORNING.										PAST 24 HOURS.						Sun- shine for Yester- day.
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer.		Temp.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.																						
Lerwick	1006.1	49	NE	6	bcq	1012.6	+2	35	-3	NNE	5	NE	bc	4	6	40	32	bcspq	bcspq	bcq	0.6	
Deerness (Orkney)	1004.4	35	NE	6	opsr	1013.2	+	36	-1	N	5	-	cx	5	5	39	34	cp c	c op	op c	0.5	
Stornoway	1010.6	36	NE	6	cprhq	1018.5	+3	32	-5	NNE	6	-	bq	5	5	37	30	cprhq	cprhq	bcbpsq	2.2	
Castlebay (Barra Isd.)	1010.2	38	NNE	5	opq	1019.8	+5	36	-3	N	5	-	bq	5	5	41	34	bc o bc	bcspq	op b q	1.0	
Glasgow	1001.2	37	NE	4	b	1012.6	+3	34	+3	N	2	NE	c	5	0.1	38	31	bc cw	o c bc	b bc b	0.8	
Eskdalemuir	996.6	34	NNE	8	osr	1008.9	+6	32	+1	N	7	-	bc	5	10	34	31	osr	os osr	os c bc	0.8	
Malin Head	1003.8	42	NNE	7	bcq	1014.4	+3	38	-1	NNE	8	N	bcqph	8	6	43	37	bcq	bcq	bcqph	2.6	
Blackod Point	1008.2	41	N	9	cqph	1019.0	+4	36	-3	N	7	N	bcqph	7	6	41	34	cqph	cqph	bcqph	0.9	
Valencia	1007.8	44	N	6	bc	1018.3	+4	42	+5	N	5	-	bc	5	4	44	37	ocqh	cqh	cpq c	0.9	
ROCHE'S POINT																						
Birr Castle	1003.7	38	NNW	2	c	1014.4	+	38	-1	NNW	5	-	b	4	0.2	43	37	bc b	b bc c	b	2.9	
Donaghadee	999.1	42	NNE	6	cm	1010.9	+3	39	0	NNE	6	N	bcma	6	-	41	39	bcma	bcm	bcm	0.0	
Liverpool (Bidston)	990.4	40	NNW	4	o	1004.9	+6	37	+1	NNW	5	-	b	4	3	42	35	qpr	qpr	o c b	0.0	
Holyhead	993.2	42	N	8	cq m	1008.5	+6	40	+3	N	8	NE	bcq	8	1	42	36	cq m	cq m	c bcq	0.0	
Pembroke (St. Ann's)	992.2	41	NW	6	r	1006.6	+4	40	0	N	5	NE	cq	5	4	43	36	bc cq	bcq rh	cpq rh	0.3	
SCILLY (St. Mary's)																						
Falmouth	993.4	42	NW	3	cq	1005.3	+6	41	0	N	8	-	b	5	5	43	37	phq bq	bc phq	phq bq	2.8	
Jersey (St. Aubin)	986.1	43	W	7	opq	997.2	+	42	-2	NNW	6	-	opq	5	3	46	39	op b c	o c q	op b	2.3	
Portland Bill	982.7	40	NW	8	cq r	998.1	+8	39	-1	NNW	7	N	cq	4	5	43	39	bc	cq r	op c	0.0	
Dungeness	974.5	36	WSW	3	r	987.4	+7	37	-6	N	7	N	cq	4	11	43	37	o c p	er	r c r c	0.0	
Dover	974.5	35	NNW	2	o	989.1	+3	36	-4	NNW	8	NW	r	4	9	41	33	c b c	c o b r	p r r	1.7	
WICK																						
Nairn	1004.2	40	NNE	6	c	1013.1	+4	34	-4	NNE	7	-	bc	6	3	42	32	omr c q	c q b	q r h s p	0.3	
Aberdeen	1004.9	39	N	8	bcq	1014.6	+	35	-2	NNW	5	-	cq q	5	3	41	34	omr p q	g c c p	q p r c	0.0	
Leith	1001.6	37	N	4	bc	1010.8	+5	36	+5	N	4	-	o	4	10	38	30	g r s p q	c p q	bc p a s	0.0	
Tynemouth	999.7	38	NE	7	bc	1010.4	+3	37	+1	NE	5	NE	c	4	1	39	36	c u o p c	o p s bc	bc b u c	0.0	
Spurn Head	991.1	40	NE	7	omq r	1003.0	+4	41	+2	NE	6	NE	c m q	6	4	41	37	omq p	omq r	c m q p	0.0	
Yarmouth	979.8	36	E	8	cq r	995.6	+4	40	+2	ENE	8	-	cq	7	9	40	35	or	cq r	cq r	0.0	
CLACTON-ON-SEA																						
Nottingham	974.7	38	NNW	2	o	989.6	+5	37	-5	N	4	N	o	3	0.3	42	36	c o	o q	o p c q	0.7	
Benson (Oxon.)	982.6	35	NNE	6	r	993.4	+	36	+1	N	6	N	o	3	13	38	33	r s	er	r	0.0	
St. Farnborough	979.0	33	N	5	s	996.2	+7	35	-3	NNW	6	-	o	7	7	38	33	osr	rs	omq	0.0	
London (Kew Obsy.)	977.1	36	NW	3	o	994.3	?	36	-2	NW	5	-	ors	8	8	38	33	or rs	rs s o	or or s	0.0	
NORTHERN EUROPE.																						
Spitsbergen	1007.0	-31	SE	2	b	1006.4	+1	-35	-6	S	1	-	b	3	-	-29	-36	Gales:-				
Vardö	1006.0	18	W	2	b	1007.8	0	14	-4	SW	2	-	b	3	-	18	14					
Bodö	1010.9	14	E	2	b	1012.2	0	12	-2	E	2	-	b	2	-	14	10					
Christiansund	1009.0	25	L	0	b	1012.4	+2	19	-11	-	0	-	b	3	-	30	19					
Skudesnaes	1000.0	28	N	3	bc	1005.0	+2	27	-7	NE	3	-	b	2	-	34	27					
Færøer (Xiania Fjord)	1002.3	28	N	6	o	1006.6	+3	28	-2	NNE	5	-	o	2	2	30	27					
The Scaw (Skagen)	999.1	36	ESE	3	o	1002.9	+3	34	-3	E	5	-	o	5	-	39	32					
Blaavands Huk	990.0	30	ESE	5	s	996.4	+4	32	-2	E	3	-	s	5	-	36	28					
Copenhagen	997.5	32	ESE	7	o	997.1	+3	34	0	ESE	5	-	o	2	2	34	32					
Bornholm	998.9	30	SE	6	m	997.2	+2	32	+2	ESE	7	-	m	2	-	32	28					
FRANCE, &c.																						
The Helder	981.0	34	S	2	b	990.0	+5	37	+3	E	1	-	o	1	2	43	34					
C. Gris Nez	973.2	38	WSW	4	r	986.4	+8	37	-7	N	7	-	r	7	11	44	37					
La Hève	981.0	34	W	7	o	990.0	+	37	-7	N	7	-	o	7	11	44	37					
Brest (St. Mathieu)	994.4	41	NNW	8	o	1003.8	+5	45	-1	N	6	-	o	6	9	46	37					
Roche fort (Ile d'Aix)	995.4	44	NW	7	o	997.0	+1	43	-8	NNW	7	-	o	6	7	46	41					
Biarritz	1001.9	48	WSW	5	r	1001.7	0	47	-7	W	6	-	r	6	17	52	37					
SOUTHERN STATIONS.																						
Corunna	1013.2	41	SW	2	o	1010.1	+6	36	+6	W	2	-	b	2	2	45	30					
Madrid	1016.1	*	SSE	4	c																	
Lisbon	1019.3	53	W	6	bc	1012.8	+	55	+8	W	7	-	r	6	7	60	46					
Azores (Horta)	1013.3	0				1013.3	0	54	+4	SW	3	-	bc	1	1	57	50					
Madeira	1018.4	0				1018.4	0	55	+9	E	4	-	bc	4	-	64	45					
Gibraltar	1016.2	-2				1016.2	-2	54	-1	SE	2	-	b	0	-	68	52					
Malta	1017.0	0				1017.0	0	48	+2	E	2	-	b	0	-	64	46					
LONDON OBSERVATIONS.																						
		HUMIDITY.		Sun- shine for Yester- day.	24 HOURS ENDED 9 H. TO-DAY.										SOUTH KENSINGTON.							
		15 h. Yester- day.	9 h. To- day.		TEMPERATURE.					WEATHER.					Vertical Component of Solar Radiation per square Centimetre during Yesterday.							
		%	%	Hours.	Max.	Min.	Min. on Grass	Rain- fall.		Morn- ing	After- noon.	Night.			Total.	Average Rate.	Max. Rate.					
GREENWICH (Royal Observatory)		93	85	0.0	39	34	33	2	0	ors	od. as				66	2.8	5.0					
CITY (Bunhill Row)		93	79	0.0	40	36	35	3	sdpr	cm	opysq											
WESTMINSTER (St. James's Park)		94	96	0.0	39	34	31	3	0.08	os. o	os	os										
CAMDEN SQ. (British Rainfall)		94	85	0.0	37	31	27	4	oms	os	os	os										
HAMPSTEAD (Reservoir)		94	87	0.0	41	34	33	3	od. or	ors, os	os	os										
S. KENSINGTON (Museum Grounds)		94	87	0.0	41	34	33	3	od. or	ors, os	os	os										
RICHMOND PARK		94	87	0.0	41	34	33	3	od. or	ors, os	os	os										
Temperatures at Greenwich and Cam- den Square are from Glaisher screens.																						



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

WARNINGS ISSUED
at 9h.25m.

Western Channel and Bay 11

Strong Northerly winds, moderating slowly; changeable, snow or sleet showers; cold.

Strong Northerly or North Easterly winds or gales, moderating slowly later; some snow or sleet, improving gradually; cold.

Same as Nos. 0 to 1.

Strong winds from between North and North-West or gales, moderating slowly; high sea; some rain, improving.

FURTHER OUTLOOK.

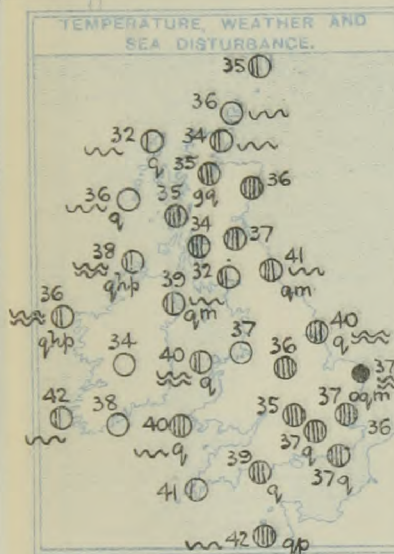
R. G. K. LEMPFFERT, Superintendent, Forecast Division.

NAPIER SHAW, Director

SYNOPTIC CHART FOR THE MORNING OF TUESDAY, 9TH JANUARY, 1917.

GENERAL INFERENCE.

The depression will move away eastward with a gradual moderating of the Northerly current over this country.



EXPLANATION.

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

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

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

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

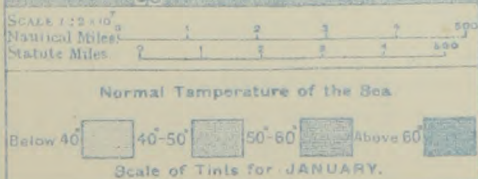
SEA DISTURBANCE.—Rough wavy. High wavy.

HIGH

Barometer

LOW

generally



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.							PAST 24 HOURS.			MORNING								
	Barom. Millibars at M.S.L.	Temp.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain-fall. Millimetres.	TEMP.		ICELAND.	Barom. Millibars at M.S.L.	TEMP.		WIND.		Weather.		
			Dir.	Force 0-12.		Millibars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.			
RUSSIA 7 a.m. and 9 p.m. Local Time.																								
Archangel	1002.6	-0	SW	2	0	1012.0	+2	3	-11	S	2	C	-	F	F	Isafjord	1029.1	19	-2	-	0	b		
Gorki	1027.8	5	SW	1	b	1023.4	+0	9	-7	SW	1	0	-	*	5	Reykjavik	1025.3	16	0	-	0	b		
Velieki Luki	1025.5	18	S	2	b	1026.2	*	4	+4	SSE	1	0	-	*	3	Vestmanna	1023.4	23	0	N	4	b		
Hangö	1012.8	32	WSW	3	0	1010.4	-0	27	+8	SSW	4	0	-	*	12	Seydisfjord	1021.7	27	0	-	0	b		
Riga	1020.0	16	SSE	1	0	1014.6	-1	19	-2	SSE	4	0	-	*	10	Thorshavn	1008.7	34	0	NNE	5	C.		
Petrograd	1015.3	25	SW	6	b	1019.7	-2	25	+25	SSW	3	0	-	28	0									
Moscow	1029.0	10	WSW	2	b	1031.8	+0	14	+2	SW	2	0	-	*	9									
Kiev	1028.3	16	SE	3	S	1013.2	-1	21	+12	SE	5	S	-	*	7									
Kharkov	1033.6	10	S	2	0	1027.4	-1	21	+14	SE	4	0	-	*	?									
Kishinev	1018.7	25	NE	3	0	1008.6	+0	39	+14	-	0	T	-	*	23									
Elisabetgrad	1027.3	23	ESE	4	S	1017.0	-1	30	+21	SE	4	S	-	*	9									
Nicolaiev	1025.1	28	ENE	4	0	1015.8	*	34	+9	SE	4	0	-	*	26									
Odessa	1021.3	32	ESE	5	0	1013.5	-1	41	+13	SSE	4	r	2	*	28									
Tarkhankout	1021.3	36	E	5	0	1015.9	*	45	+13	E	5	0	-	*	32									
Soukhom	1021.6	45	NNE	2	bc	1016.2	+0	64	-	ENE	2	bc	-	*	43									
MEDITERRANEAN.																								
Venice	1014.8	37	N	1	b	1012.7	*	32	-?	-	0	b	-	45	30									
Pesaro	1014.6	39	W	4	0	1013.4	*	32	-5	SW	1	b	-	41	30									
Rome	1012.6	41	N	1	b	1013.2	*	36	-9	N	1	b	-	48	36									
Viesti	1012.7	45	NW	2	0	1012.9	*	45	-?	NW	1	C	Trace	48	43									
Brindisi	1011.9	48	SW	4	0	1011.6	*	45	-7	NW	1	b	10	52	46									
Cagliari	1015.0	59	NNE	3	bc	1013.9	*	52	-3	NNW	3	b	-	66	45									
Palermo	1013.6	48	-	0	0	1013.7	*	48	-4	-	0	C	1	55	43									
Tripoli	1010.0	55	ENE	1	C	1017.3	*	54	-4	NNE	1	C	6	61	50									
Algiers	1020.7	50	SW	1	bc	1019.7	0	48	0	WSW	4	bc	-	55	48									
SWEDEN.																								
Hernösand	1003.4	70	SE	2	C	1003.5	*	27	+26	-	0	S	*	*	*									
Stockholm	1010.7	23	SSW	2	C	1005.7	*	30	+21	SSE	2	0	*	*	*									
Wisby	1012.3	36	S	2	b	1006.3	*	28	-6	S	2	0	*	*	*									

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles	7	18
France	7	18
Norway	7	18
Sweden	7	17
Denmark	7	18
Holland	7	18
Italy	7	20
Egypt	6	18
Corunna	7	16
Madrid	8	16
Lisbon	7	21
Azores	8	17
Madeira	7	21
Malta	8	-
Limassol	6	-

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine			
	Night. 12h-gh.	Day. gh-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 12h-gh.	Day. gh-12h.	Max.	Min.	Forenoon.	Afternoon.				
Scotland.	Oban	1	Trace	41	29	cp	b.	3.9	England, E.	Lowestoft	9	—	41	38	c.b.c	c.o	1.5	
	Banff	2	Trace	41	30	cp.r	cp.	0.2		Felixstowe	10	—	40	34	bc.o	op	1.3	
	Montrose	*	*							Walton-on-Naze								
	Carnoustie	*	*							Southend-on-Sea	2	1	?	38	c	od.r	0.0	
	St. Andrews																	
Eng. N.E.	Harrogate	16	2	36	31	orsq	orsq	0.0	England, S.E.	Margate	5	Trace	41	37	c	od	0.0	
	Skegness	9	6	39	35	o.b.c	or.	0.3		Ramsgate	4	Trace	42	36	c	c.or	1.0	
Eng. N.W.	Morecambe	14	1	40	33			0.0		Hastings	7	1	47	34	or.c	od.	1.6	
	Southport	16	Trace	39	32	r.o.g	op.o	0.0		Eastbourne	11	2	41	36	o.b.c.g	or.	1.4	
Midlands.	Leamington Spa									Seaford	*	*	47	35	c.r	r	1.5	
	Malvern									Brighton	7	2	41	35	b.o	o.d.	1.6	
	Ross-on-Wye	2	11	36	34	os.or	orsq	0.0		Worthing	9	3	40	35	or	rs.r	1.5	
Wales.	Rhyl	12	Trace	41	34	q	q.	0.0		England, S.W.	Littlehampton	8	3	45	35	bc.od	r	1.1
	Colwyn Bay	*	*					0.0			Bognor	*	*					
	Llandudno	*	*	42	35			0.0	Bournemouth		10	5	39	36	rs	r	0.0	
	Aberystwyth	*	*	42	35	r.o.c.	or.o	0.0	Weymouth		*	*	40	36	bc.c.om	r.o	0.7	
	Tenby	*	*	42	35			0.0	Torquay		3	1	50	37	bc.c.or	sp	0.5	
									Paignton	*	*	43	33	b	op	0.8		
									Penzance	9	1	46	40	cp.rh.	chp.	3.0		
									Newquay	7	Trace	44	29	ph.c	o	0.0		
									Bude	8		51	40	p.c	c.	0.0		
									Ilfracombe	1	1	44	37	r.o.u	u.	0.0		
									Weston-s-Mare	8	Trace	41	36	or.o	o.c.g.o	0.0		

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

9th & 10th January 1917.	Sunrise.			Noon.			Sunset.		
	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth	8.3	12.0	3.57	8.3	12.1	3.59	8.5	12.7	4.9
Greenwich	8.5	12.7	4.9	8.5	12.8	4.11	8.59	12.49	3.40
Wick	8.58	12.20	3.42	8.58	12.20	3.42	8.48	12.48	4.48
Valencia	8.48	12.48	4.48	8.48	12.49	4.50			

NOTES ON YESTERDAY'S WEATHER.

Gales were experienced very generally, with falls of rain, snow or hail. Temperature was rather cold. A little sunshine was measured in the west, and on the south coast.

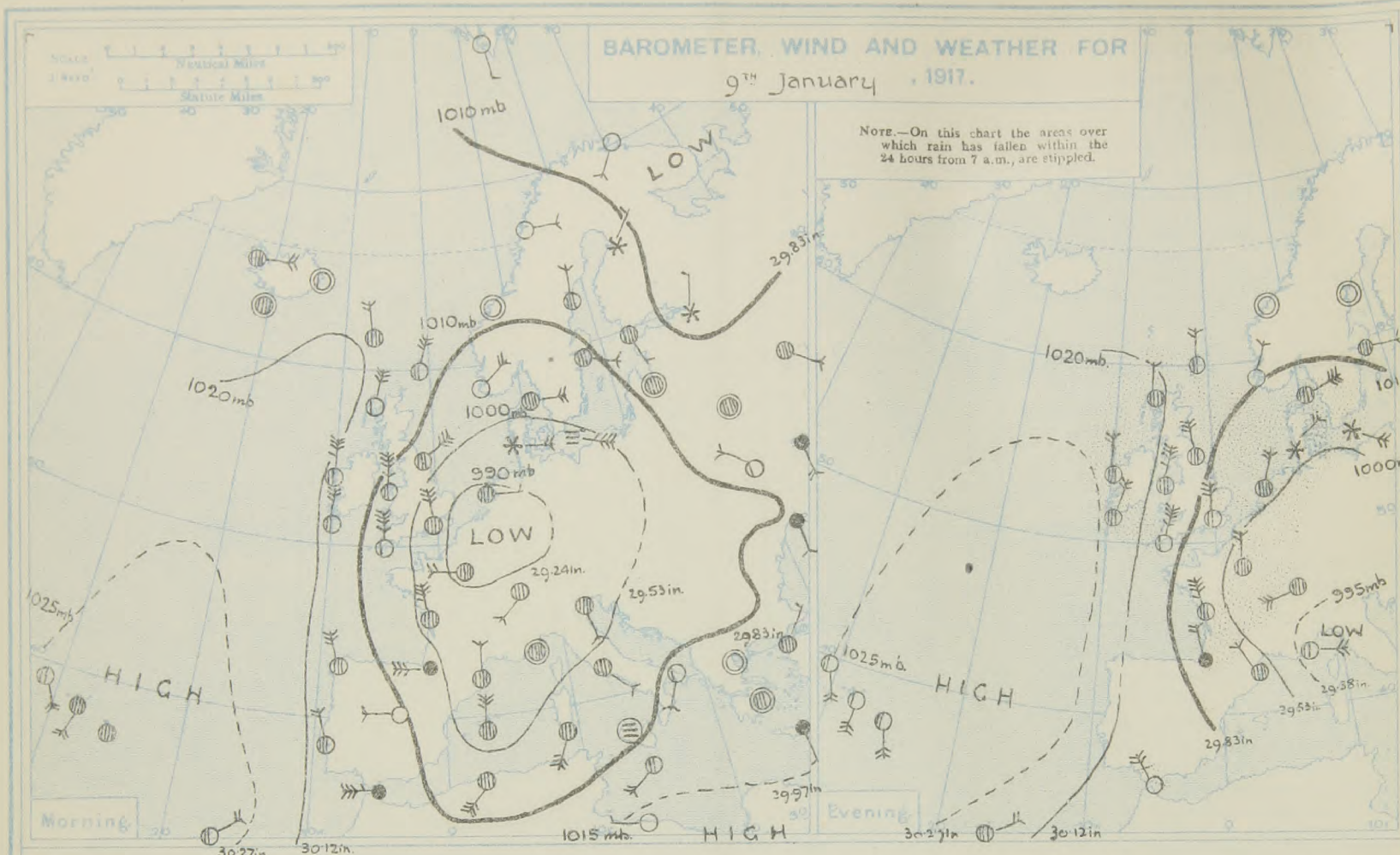
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 10.

Wednesday,
10th January

STATIONS.	YESTERDAY EVENING.					THIS MORNING.										PAST 24 HOURS.					Sun- shine for Yester- day.		
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	1015.5	31	N	3	bc	1008.7	-4	37	+2	SSE	5	-	om	4	2	37	30	bc	bcsp	amd	0.0	
	Deerness (Orkney)	1017.3	33	NW	3	bcx	1009.8	-	37	+1	SW	5	-	r	3	3	37	31	c.ophs	a.c.bc	bc.c.or	0.0	
	Stornoway	1020.3	34	N	2	o	1009.0	-6	41	+9	SW	6	-	orq	5	6	41	30	c.o	o	o.orq	0.1	
	Castlebay (Barra Isd.)	1022.3	36	W	1	o	1013.5	-5	45	+0	W	5	-	r	5	2	45	36	bc.o	o.bc.o	adpor	0.8	
	Glasgow	1019.7	30	NNE	2	b	1018.5	-3	31	-3	-	0	-	og	0.1	35	27	c.bc.b	b.bc.b	b.osp	4.3		
	Eskdalemuir	1018.0	28	N	4	b	1019.3	-2	26	-6	SSE	1	-	o	*	33	24	bc.osp	bc.b	bbcc.o	5.3		
	Malin Head	1021.9	38	N	5	cq	1017.5	-5	40	+2	NW	4	N	cmq	4	0.3	42	37	bcqph	bcq	cmq	1.5	
	Blacksod Point	1024.2	38	N	3	cq	1018.7	-5	43	+7	SW	5	SW	cg	4	1	43	38	bcqph	cg	bcsp	0.0	
	Valencia	1024.8	42	NNE	4	c	1024.7	-2	37	-5	-	0	-	o	4	0.3	42	35	bc	bc.c	c.ep	2.9	
	Roche's Point	1022.3	38	N	4	b	1024.9	-	36	-2	NNW	1	-	o	1	0.1	41	34	b	b	b.o	0.0	
	Birr Castle	1022.8	33	NW	2	b	1022.9	-	33	-1	NW	1	-	o	*	39	29	bc.c	c.bc.b	bc.ox	6.4		
	Donaghadee	1018.4	38	NNE	5	cq	1019.3	0	35	-4	WSW	3	-	ogm	3	-	40	33	bcq	bcq	bcq.om	0.0	
	Liverpool (Bidston)	1015.7	36	NNW	4	c	1019.6	+4	34	-3	NW	1	N	o	2	-	39	33	b	b	bcx	5.7	
	Holyhead	1017.4	39	NNE	7	cq	1020.6	0	38	-2	N	5	-	o	5	-	43	36	cq	cq	c.bc.o	0.4	
	Pembroke (St. Ann's)	1017.0	39	NNE	4	bc	1021.7	+2	37	-3	NNE	2	NE	c	*	2	42	*	bcqph	bcq	bcqpc	4.5	
	Scilly (St. Mary's)	1014.6	40	NNE	8	bq	1021.2	+1	36	-5	NNE	2	-	b	*	Trace	43	35	hq.bcq	bcq.bq	bq.b	6.0	
	Falmouth	1016.9	42	N	5	og	1017.0	*	39	-3	NNW	4	N	c	4	-	43	38	c.o	c.og	og.c	0.1	
	Jersey (St. Aubin)	1009.2	39	N	6	bq	1017.4	+6	37	-2	N	5	-	b	4	-	41	37	cq	bc	bc.b	0.0	
	Portland Bill	1009.2	39	N	6	bq	1017.4	+6	37	-2	N	5	-	b	4	-	41	37	cq	bc	bc.b	0.0	
	Dungeness	1000.0	38	N	5	cq	1011.7	+5	35	-2	N	4	-	b	4	3	38	35	bcq	cq	cr.esb	0.0	
	Dover	1002.4	37	NNW	7	r	1012.7	+4	35	-1	NW	6	N	r	6	9	40	33	op	op	oprs	0.0	
Wick	1017.9	32	N	3	c	1011.2	-8	34	0	SW	5	-	r	4	2	36	32	cqmg	c	bc.onr	0.0		
Nairn	1019.7	32	NW	2	cg	1012.6	-	35	0	NW	1	-	og	2	1	35	30	c.bc	bc.c	c.bosp	1.7		
Aberdeen	1017.5	31	NNW	4	b	1015.7	-3	32	-4	W	2	-	osp	3	0.4	37	28	bc.osp	bcsp	bc.b.os	1.1		
Leith	1018.3	34	N	3	b	1017.8	-1	31	-6	W	1	-	s	2	0.1	37	28	c.bc.b	b	bc.b.as	0.0		
Tynemouth	1013.9	36	NNW	5	cmq	1017.7	+1	29	-12	NW	2	-	bcm	4	4	41	28	bcmq	bcmq	bcm	0.0		
Spurn Head	1007.8	38	ENE	6	cqh	1015.8	+1	35	-5	NE	6	-	cq	7	2	40	33	cqh	cqh	cqh	0.0		
Yarmouth	1002.9	39	NNE	8	omq	1011.8	+3	38	+1	NNE	7	-	bcq	7	2	40	35	bcq	bc.omq	bcq	0.0		
Clacton-on-Sea	1002.4	36	NNW	5	o	1013.2	+5	34	-3	NNW	3	N	bc	2	1	39	34	ogpd	cogpd	ogprs	0.5		
Nottingham	1011.2	36	N	4	o	1017.9	-	33	-3	NW	3	N	b	4	0.2	37	32	os	Spco	Scb	0.2		
Benson (Oxon.)	1008.3	35	N	6	c	1017.1	+3	30	-5	NW	2	-	b	*	0.1	37	30	o	bc	osr.labc	0.0		
Sth Farnborough	1006.5	36	N	5	b	1016.0	+4	32	-4	NNW	3	-	b	*	0.1	38	32	ors.o	ors.o.bcb	b.bcb	0.1		
London (Kew Obsy.)	1006.7	37	N	5	bcq	1016.2	+3	33	-4	NNW	4	-	bx	*	1	40	32	ogc.ogrs	ogrs.bcb	bcq.orb	0.7		
NORTHERN EUROPE.	Spitsbergen	1007.5	-35	S	2	b	1000.4	-6	-11	+24	NNW	2	-	o	*	-11	-42	UPPER AIR.					
	Vardö	1005.3	14	SW	3	bc	1001.9	-4	16	+2	W	4	-	o	3	*	16	14	South Farnborough.				
	Bodö	1011.9	16	E	2	c	1007.5	0	27	+15	E	4	-	o	2	-	27	10	Pilot Balloon Ascent at 7.30 a.m.				
	Christiansund	1014.1	19	-	0	b	1010.4	-3	28	+9	-	0	-	o	3	-	28	18	Wind at:-				
	Skudesnaes	1010.6	27	NNE	2	b	1012.1	0	23	-4	-	0	-	b	2	-	28	21	750 metres ... NNE ... 16 m/s				
	Færder (X'ania Fjord)	1013.1	27	NNE	6	o	1014.9	+1	23	-5	NNE	4	-	o	1	-	28	23	600 NNE ... 13 ...				
	The Scaw (Skagen)	1008.2	30	ENE	6	o	1012.8	+2	30	-4	NE	3	-	o	3	?	34	28	300 NW ... 9 ...				
	Blaavands Huk	1003.0	32	NE	3	s	1010.7	+3	30	-2	NNE	3	-	o	4	?	34	27	Surface NNW ... 5 ...				
	Copenhagen	1002.3	34	E	3	s	1008.4	+3	34	0	NE	3	-	o	*	5	34	32	Gales:-				
	Bornholm	1001.6	34	SE	4	s	1006.6	+3	36	+4	E	2	-	m	1	1	36	30	Dover.				
FRANCE & C.	The Helder	1000.4	39	NNE	3	o	1009.6	+4	39	+2	N	4	-	o	3	-	39	36	Extreme NW g or 2h (10th).				
	C. Gris Nez	999.9	37	N	8	o	1009.3	+4	40	+3	NNE	8	-	bc	8	31	40	36	Malin Hd.				
	La Hève	*	41	NNE	7	o	*	38	-1	NE	7	-	c	7	1	45	37	37	13h. 9th NNE 8				
	Brest (St. Mathieu)	1012.8	41	N	6	c	1019.4	+2	39	-6	NNE	3	-	b	3	-	46	37	Holyhead				
	Rocheport (Ile d'Aix)	1005.2	41	NNW	7	c	1012.7	+4	40	-3	N	8	-	c	*	-	46	39	13h. 9th NNE 8				
	Biarritz	1006.4	45	NNW	3	r	1012.6	+2	35	-12	-	0	-	cl	6	26	48	34	Falmouth				
	Paris	996.8	37	NW	3	o	1007.1	+4	37	0	N	4	-	o	*	1	39	37	7h-18h 9th NNE 8				
	Belfort	997.0	34	WSW	5	o	1003.0	*	30	-2	NE	2	-	m	*	1	37	30	Spurn Hd.				
	Lyons	999.3	37	W	1	o	1003.5	*	32	-2	NW	2	-	o	*	1	43	32	13h. 9th NE 8				
	Nice	994.4	39	E	2	bc	996.4	+3	36	-4	E	4	-	bc	4	-	43	30	Yarmouth				
Perpignan	1002.0	39	NW	2	o	1006.4	+2	39	-2	NW	4	-	c	*	-	50	37	13h and 18h 9th NNE 8.					
Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1h. 10th ENE 8.				
SOUTHERN STATIONS.	Corunna	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Benson				
	Madrid	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Extreme force 22 m/s.				
	Lisbon	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	London (Kew)				
	Azores (Horta)	1026.3	*	S	5	b	*	*	*	*	*	*	*	*	*	*	*	*	11.25 m (9th) Gust N 22 m/s.				
	Madeira	1023.1	61	NE	3	c	1023.0	0	54	0	NE	3	N	c	3	-	61	54	Lunar Halo				
	Gibraltar	1016.9	50	NW	4	b	1018.3	*	45	-10	NW	4	-	b	3	1	56	44	observed at Donaghadee				
	Malta	*	*	*	*	*	1011.1	+3	54	0	W	2	-	o	1	-	59	54	and Falmouth.				
	Limassol	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Moon Pillar				
	Alexandria	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	observed at Aberdeen at				
	Cairo (Helwan)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	18h. 9th.				
LONDON OBSERVATIONS.	Humidity.		Sun- shine for Yester- day.	24 HOURS ENDED 9h. To-Day.								SOUTH KENSINGTON.											
	15h. Yester- day.	9h. To- day.		TEMPERATURE.			Rain- fall.	WEATHER.			Vertical Component of Solar Radiation per square Centimetre during Yesterday.												
GREENWICH (Royal Observatory)	73	84	0.1	39	32	27	mm.	1	oprs	oprs	o.bcx	Total.											
CITY (Bunhill Row)	72	8	0.0	41	32	30	-	0.04	ou	odxm.bcx	Average Rate.												
WESTMINSTER (St. James's Park)	71	90	0.5	40	31	27	Trace	05.0	o.c	*	Max. Rate.												
CAMDEN SQ. (British Rainfall)	71	86	1.0	38	28	21	Trace	b.ccs	cxs	bcx	Joules.												
HAMPSTEAD (Reservoir)	*	8.9	0.4	42	32	29	Trace	000.0	000.0	b.cph.bcx	Milliwatts.												
S. KENSINGTON (Museum Grounds)	*	*	*	*	*	*	*	*	*	*	Milliwatts.												
RICHMOND PARK	*	*	*	*	*	*	*	*	*	*	161 5.6 16.5												
Temperatures at Greenwich and Cam- den Square are from Glasher screens.														observed at Aberdeen at 18h. 9th.									



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

**NO
WARNINGS
ISSUED.**

Western Channel and Bay II

FURTHER OUTLOOK.

South-Westerly winds becoming fresh or strong; dull, some rain; decidedly milder.

Northerly winds decreasing, then becoming moderate West or South-West; fair to-day, less fair to-morrow; becoming milder.

Same as Nos. 0 to 2.

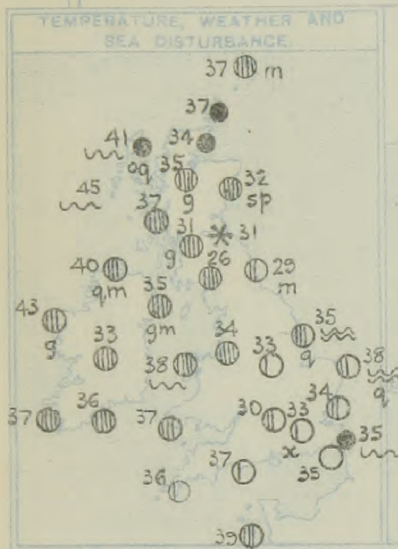
Light or moderate North-Westerly winds, backing South-Westerly and freshening; cloudy, some rain later; milder.

Freshening South-Westerly winds; unsettled, some rain, milder.

Fresh Northerly winds and rough sea, wind and sea moderating; fair.

GENERAL INFERENCE.


The South-Westerly current is likely to spread to all parts of the British Isles with a return to warmer weather.



EXPLANATION.




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

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



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

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

WEATHER.—Shown by the following symbols:—

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

*snow. ▲ hail. ≡ fog. ≡^c mist. T, thunder.

SEA DISTURBANCE.—Rough . High .

SEA DISTURBANCE:—Rough—500. High 500.

REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.					PAST 24 HOURS.			MORNING.											
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Weather.	Rain fall, Milli- metres.	TEMP.		IOELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.			
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours	Dry Bulb.	Change in 24 hours	Direc.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours	Direc.	Force 0-12.				
RUSSIA 7 a.m. and 9 p.m. Local Time.																									
Archangel ...	1012.7	21	S	3	bc												Isafjord ...	1015.7			E	4	0		
Gorki ...	1013.0	19	SE	1	0	1009.0	-0	21	+12	-	0	0	-	*	?		Reykjavik ...	1015.8	27	-11	E	4	5		
Velieki Luki ...	1008.2	19	SE	2	0	1010.9	*	18	+11	SEW	2	0	4	*	-		Vestmanna ...	1015.5	36	+9	-	0	0		
Hangö ...	1009.1	27	SE	3	0	1010.4	+1	23	-4	-	0	0	-	*	?		Seydisfjord ...	1014.7	30	+3	-	0	b		
Riga ...	1007.7	19	-	0	0	1010.4	+3	18	-1	-	0	0	-	*	16		Thorshavn ...	1016.5	42	+8	-	0	c		
Petrograd ...	1013.0	16	ENE	4	0	1007.3	-1	19	-6	NNE	1	5	3	28	14										
Moscow ...	1020.7	16	SE	3	5	1012.3	-4	18	+4	SE	2	0	9	*	14										
Kiev ...	1008.3	34	W	2	f	1014.1	+2	18	-3	NW	2	3	7	*	16										
Kharkov ...	1016.7	28	SE	4	r	1014.3	-1	36	+15	S	3	3	6	*	28										
Kishinev ...	1010.0	30	-	0	0	1010.9	-0	46	+7	NNW	2	2	-	*	30										
Elisabetgrad ...	1010.4	36	SE	3	f	1012.4	+0	36	+6	S	1	r	5	*	?										
Nicolaiev ...	1010.6	43	SE	5	f	1010.3	*	43	+9	S	2	r	8	*	28										
Odessa ...	1010.6	43	WSW	2	f	1011.0	-1	37	-4	WSE	2	0	5	*	37										
Tarkhankout...	1013.0	52	SE	5	0	1011.3	*	52	+7	SE	4	r	1	*	45										
Soukhoum ...	1018.9	48	-	0	b	1017.3	+0	46	-8	NNE	2	b	-	*	43										
MEDITERRANEAN.																									
Venice ...	1005.5	32	NE	1	0	997.5	*	32	0	SE	2	0	1	51	?		British Isles ...			h.		h.	18		
Pesaro ...	1007.1	41	SEW	1	0	1000.0	*	50	+18	S	3	0	-	52	41		France ...			7		18			
Rome ...	1009.9	45	-	0	0	1003.6	*	50	+14	SE	2	0	3	?	43		Norway ...			7		18			
Viesti ...	1010.8	45	SW	1	0	1007.9	*	46	+1	S	2	0	6	58	43		Sweden ...			7		17			
Brindisi ...	1008.6	48	NW	2	b	1010.9	*	46	+1	SW	2	0	-	54	43		Denmark ...			7		18			
Cagliari ...	1012.6	61	NNW	3	b	1003.3	*	55	+3	SSW	5	0	-	66	45		Holland ...			7		18			
Palermo ...	1013.2	50	SE	2	0	1009.4	*	50	+2	-	0	f	-	57	43		Italy ...			7		20			
Tripoli ...	1017.0	46	NE	1	c	1017.3	*	46	-8	W	1	b	-	59	43		Egypt ...			6		18			
Algiers ...	1012.7	52	SW	2	c	1005.5	+4	54	+6	SW	6	0	-	59	50		Corunna...			7		16			
SWEDEN.																									
Hernösand ...	1004.6	19	S	2	S	1010.4	*	19	-27	N	2	c	*	*	*		Madrid ...			8		16			
Stockholm ...	1005.1	27	S	2	0	1008.3	*	27	-3	SE	2	c	*	*	*		Lisbon ...			7		21			
Wisby ...	1004.4	30	S	2	0	1007.0	*	28	0	ESE	2	0	*	*	*		Azores ...			8		17			
																	Madeira ...			7		21			
																	Malta ...			8		—			
																	Limassol ...			6		—			

Hours of Observation G.M.T.

	Morning	Evening
British Isles ...	h. 7	h. 18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	—
Limassol ...	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night. 12h-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 12h-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.			
Scotland.	Oban	-	-	39	31	c	b	3.1	England, E.	Lowestoft	1	1	41	37	o.g.c.	c.o.g.rk	0.1
	Banff	4	Trace	38	34	c.g.p.h.	clp	0.2		Felixstowe	1	1	40	35	o.b.c.g.p.	b.c.g.p.	0.4
	Montrose									Walton-on-Naze							
	Carnoustie	*	*							Southend-on-Sea	Trace	-	38	35	o	o	0.2
	St. Andrews																
Eng. N.E.	Harrogate	9	1	38	32	bc.c.	bc.cgs	3.3	England, S.E.	Margate	7	4	41	36	o.r.h.g.	o.r.h.g.	0.0
	Skegness	6	Trace	41	33	o.b.c.	r.h.p.	2.0		Ramsgate	12	8	41	32	r.h.	h.r.	0.0
Eng. N.W.	Morecambe	2	-	39	35			5.4		Hastings	1	1	40	36	os	o.b.c.	0.4
	Southport	Trace	-	39	35	b.b.c.c.	bc.c.bc	5.5		Eastbourne	1	-	40	36	ac	og	0.0
										Seaford	*	*	40	34	ro	c	0.3
Midlands.	Leamington Spa									Brighton							
	Malvern	1	-	38	34	bc	bc	3.0		Worthing	-	-	40	35	o	o	0.0
	Ross-on-Wye	2	-	39	34	b.bc	m.bc.c.	2.3		Littlehampton	1	-	40	34	o	bc.o	0.3
Wales.	Rhyl	-	-	40	38	o.c	c.bc.c.	2.5		England, S.W.	Bognor	*	*				
	Colwyn Bay	*	*	40	38	bc	bc	0.2	Bournemouth		5	-	39	33	c	bc	0.4
	Llandudno	*	*	42	38	c.bc	c	1.2	Weymouth		*	*	40	37	c	bc	3.5
	Aberystwyth	*	*	41	36	no.c	bc.c	3.7	Torquay		-	-	42	38	b	b.o.b	4.7
	Tenby								Paignton		*	*					
									Penzance	7	Trace	44	40	bcph	bc	6.2	
									Newquay	1	Trace	43	39	hp.b	b	4.2	
									Bude	Trace	-	45	38	b	b	4.7	
									Ilfracombe	Trace	-	42	39	bc	bc	3.9	
									Weston-s-Mare	-	-	48	37	bq	b.bc.q	4.3	

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

10th & 11th January, 1917.	Sunrise, Noon, Sunset.		
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.3	12.1	3.59
Greenwich ...	8.2	12.1	4.0
Wick ...	8.5	12.8	4.11
	8.4	12.8	4.12
Valencia ...	8.58	12.20	3.42
	8.57	12.20	3.43
	8.48	12.49	4.50
	8.47	12.49	4.51

NOTES ON YESTERDAY'S WEATHER.

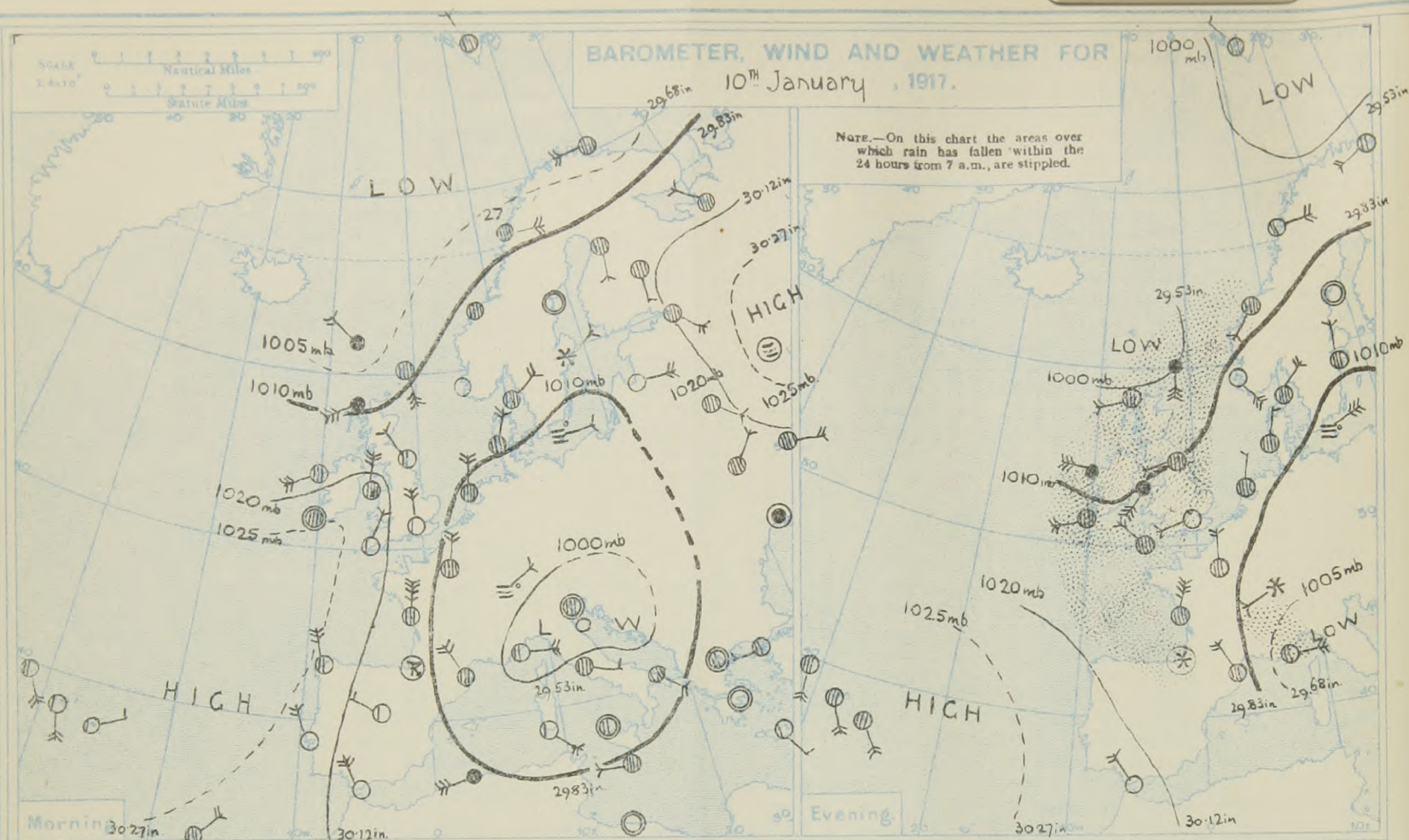
Sunshine was plentiful at several stations in the west, up to 6.4 hours at Birr Castle. Temperature remained rather cold. A moon pillar was seen at Aberdeen yesterday evening.

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

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Thursday
11th January

‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NO WARNINGS ISSUED.

Western Channel and Bay. 11

Moderate or fresh winds from between North-West and West; changeable, showery weather; normal temperature.

Light airs, then becoming moderate or fresh North-West or West; dull, some rain, improving slowly; normal temperature.

Same as Nos. 0 to 1.

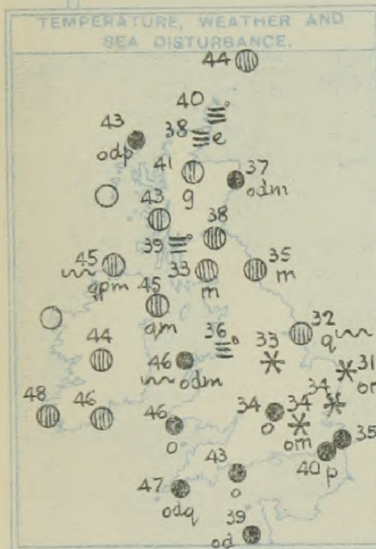
Moderate Westerly or North-Westerly winds; rather rough sea; unsettled, showery.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF THURSDAY, 11TH JANUARY, 1917.

GENERAL INFERENCE.

The "V"-shaped depression over England will move slowly eastward.



EXPLANATION.

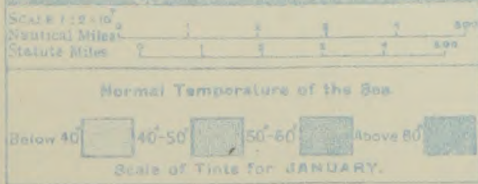
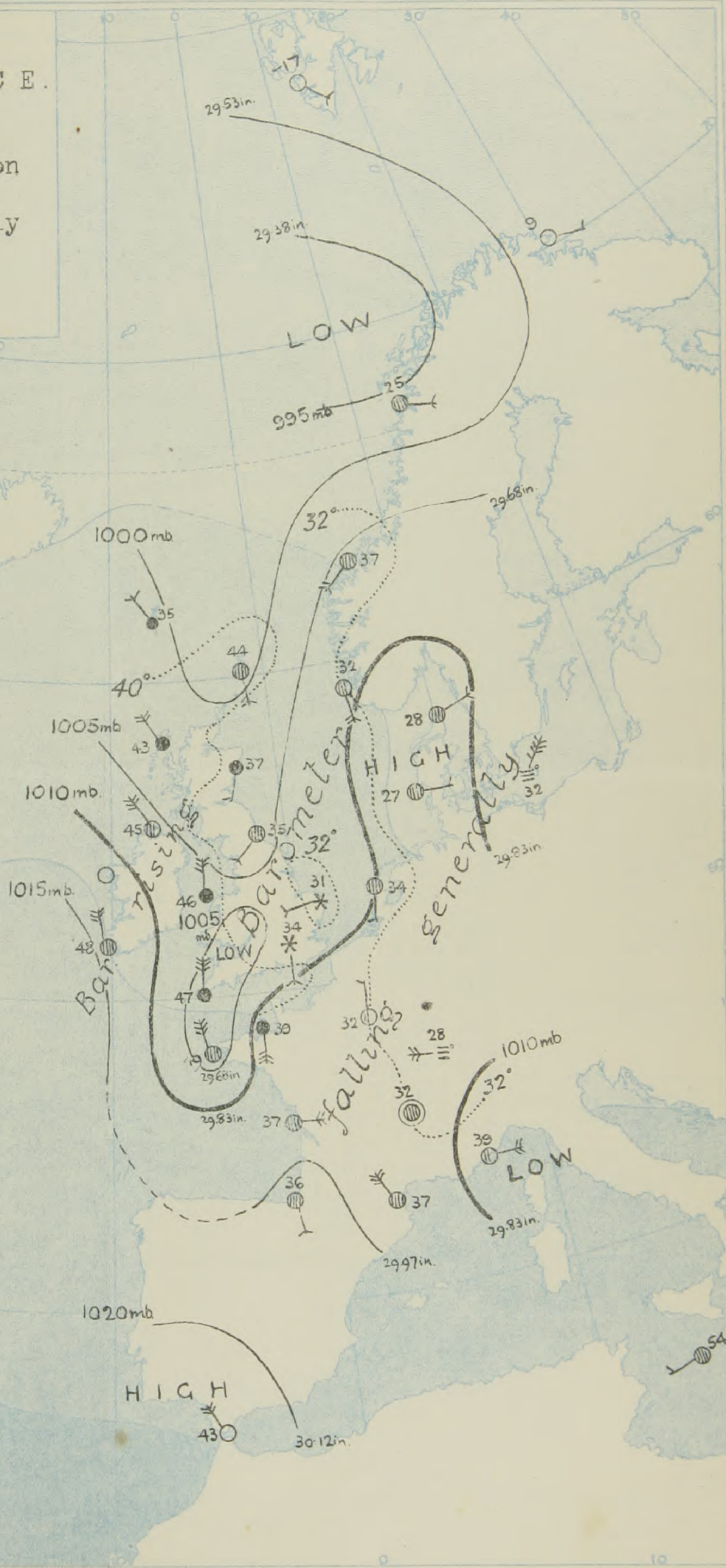
BAROMETER.—Isobars are drawn for intervals of five millibars.

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 ~~~~~.



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.				PAST 24 HOURS.				MORNING			
	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. Millibars.	Temp. Max. °F.	Temp. Min. °F.	ICELAND.
Archangel ...	1010.6	16	E	1	S	1018.4	+5	12		NW	2	0	—	19	9	Isafjord ...
Gorki ...	1019.5	19	—	0	b	1018.7	+0	14	-7	SE	2	0	—	14	14	Reykjavik
Veliki Luki ...	1021.5	16	SSE	1	0	1022.1	—	14	-4	ESE	2	0	—	10	10	Castell
Hangö ...	1016.6	25	SSE	2	0	1015.8	-2	23	0	SSE	2	0	—	19	19	Vestmanna
Riga ...	1019.0	9	WSW	2	0	1013.7	-0	19	+1	ESE	4	6	—	18	18	Seydisfjord
Petrograd ...	1019.0	9	WSW	2	0	1022.6	-1	14	-5	SE	3	0	—	19	19	Thorshavn
Moscow ...	1025.3	18	SW	2	0	1027.5	+2	7	-11	NE	1	bc	—	—	5	1000.9 38 -4 NW 3 r
Kiev ...	1018.3	19	—	0	3	1017.1	-1	19	+1	NE	2	0	—	—	12	
Kharkov ...	1017.7	36	SE	2	r	1018.4	+0	34	-2	ESE	3	0	11	—	34	
Kishinev ...	1013.5	32	—	0	0	1013.5	+0	32	-14	—	0	0	—	—	30	
Elisabetgrad ...	1015.4	34	NE	2	0											
Nicolaiev ...	1015.2	36	—	0	r	1015.1	*	36	-7	—	0	r	9	—	34	
Odessa ...	1015.9	37	N	1	f	1016.8	+2	36	-1	N	2	0	4	—	36	
Tarkhankout ...	1013.5	48	—	0	r	1016.0	*	45	-7	NW	2	0	9	—	45	
Soukhoun ...	1015.1	52	ENE	2	0	1019.8	+3	46	0	ENE	2	bc	—	—	45	
Venice ...	993.2	45	NNE	6	r	996.7	*	37	+5	WSW	1	c	15	50	32	
Pesaro ...	993.6	48	S	2	c	998.9	*	39	-11	SW	1	0	—	54	39	
Rome ...	996.3	52	SE	3	r	1001.5	*	45	-5	SE	1	0	29	55	45	
Viesti ...	1004.2	50	SE	6	0	999.7	*	50	+4	SSE	6	bc	1	54	43	
Brindisi ...	1006.7	52	SE	1	0	1003.0	*	55	+9	SE	3	0	10	59	46	
Cagliari ...	1004.6	55	SSW	4	r	9	*	54	-1	SE	3	0	12	64	46	
Palermo ...	1003.6	54	WSW	1	0	1008.9	*	48	-2	—	0	bc	9	57	46	
Tripoli ...	1009.5	43	WSW	4	bc	1014.8	*	46	0	W	1	0	—	59	41	
Algiers ...	1009.5	43	WSW	4	bc	1010.9	+1	46	-9	WSW	5	0	17	55	43	
Hernösand ...	1006.4	5	—	0	b	1017.8	*	-9	-19	—	0	b	—	—	—	
Stockholm ...	1012.8	27	E	2	0	1013.5	*	25	-2	NE	2	0	—	—	—	
Wisby ...	1009.5	19	SE	2	0	1010.7	*	28	0	NE	2	0	—	—	—	

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	—
Limassol ...	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun-shine Hr.	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun-shine Hr.
	Night. 12h-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 12h-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Mm.	Mm.	F.	F.				England, E.	Mm.	Mm.	°F.	°F.			
Oban ...	—	7	44	28	ord.	0	0.0	Lowestoft ...	2	—	40	33	c. bc, b	bc	5.2
Banff ...	3	17	36	31	ord.	0	0.0	Felixstowe ...	1	—	40	33	bc	bc	5.0
Montrose ...	—	—	—	—	—	—	—	Walton-on-Naze ...	—	—	—	—	—	—	—
Carnoustie ...	*	*	—	—	—	—	—	Southend-on-Sea ...	—	—	37	31	b	b	6.2
St. Andrews ...	2	10	36	27	—	—	0.0	England, S.E.	Trace	—	40	35	c	bc, c	1.2
Eng. N.E.								Margate ...	1	—	41	34	o. c	bc	2.5
Harrogate ...	Trace	—	34	27	c. bc, c	c. o.	1.3	Hastings ...	—	—	38	33	b	b	6.4
Skegness ...	—	—	38	31	c. b	b	5.7	Eastbourne ...	—	—	41	33	b	b	5.0
Eng. N.W.								Seaford ...	—	—	38	32	b	b	4.7
Morecambe ...	—	—	38	29	c. bc, c	or. o.	0.2	Brighton ...	—	—	37	32	b	bc	4.0
Southport ...	—	—	—	—	—	—	—	Worthing ...	—	—	37	33	b	b	4.5
Midlands.								Littlehampton ...	—	—	37	32	bc, b	bc, x	4.8
Leamington Spa ...	—	—	39	28	bc	bc	3.2	Bognor ...	—	—	37	30	b. bc	c	2.6
Malvern ...	—	—	—	—	—	—	—	Bournemouth ...	—	—	—	—	—	—	—
Ross-on-Wye ...	—	—	—	—	—	—	—	England, S.W.	—	—	38	31	bc	bc, y	2.3
Wales.								Weymouth ...	—	—	40	34	c. bc	c	2.8
Rhyl ...	—	—	41	35	bc, op	od.	0.0	Torquay ...	—	—	—	—	—	—	—
Colwyn Bay ...	—	—	40	35	c	c. o.	0.0	Paignton ...	—	—	—	—	—	—	—
Llandudno ...	—	—	41	35	c	c. o.	0.0	Penzance ...	2	Trace	43	37	omv	c	0.2
Aberystwyth ...	—	—	—	—	—	—	—	Newquay ...	—	—	42	39	bc	bc	0.1
Tenby ...	—	—	—	—	—	—	—	Bude ...	—	Trace	45	32	bc	bc	1.2
								Ilfracombe ...	—	—	42	38	bc	bc	0.7
								Weston-s-Mare ...	—	—	49	33	bc, b	bc, m	2.5

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

11 th & 12 th JANUARY, 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8-2	12-1	4-0
Greenwich ...	8-2	12-1	4-1
Wick ...	8-57	12-20	3-43
Valencia ...	8-56	12-20	3-44
	8-47	12-49	4-51
	8-47	12-49	4-52

NOTES ON YESTERDAY'S WEATHER.

Rain or snow fell generally, heavily at many stations. In the south-east of the country sunshine was plentiful, but elsewhere the measurements were small.

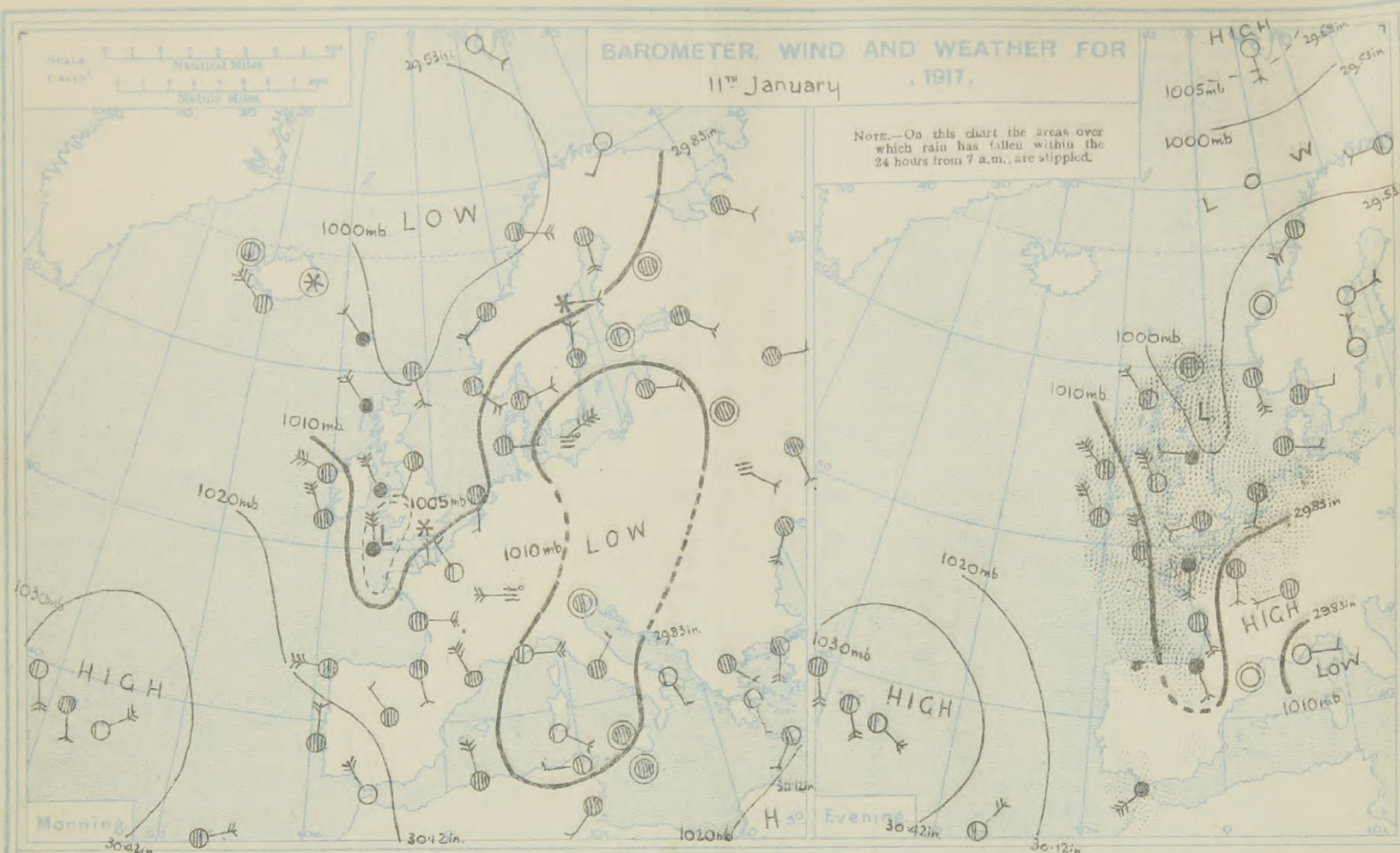
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 12.

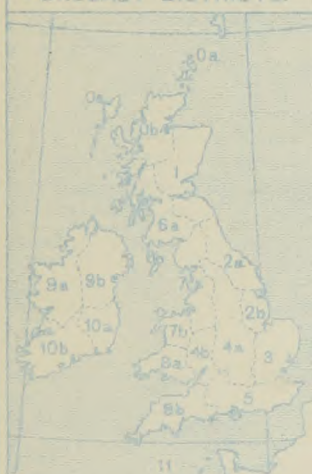
Friday
12th January.

STATIONS.	YESTERDAY EVENING.					THIS MORNING.										PAST 24 HOURS.					Sun- shine for Yester- day. Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours. °F.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.																						
Lerwick ...	996.6	42	-	0	0	992.3	0	38	-6	W	3	-	c	2	3	44	36	om	om	c	*	
Deerness (Orkney) ...	998.6	38	W	3	0	995.2	*	36	-4	NW	3	-	cb	2	3	42	35	mo:bc	beco	ocb	1.6	
Stornoway ...	1002.6	41	NW	3	0	999.1	+5	37	-6	N	6	-	ca	5	8	43	36	oc:cb	cb	cbq	1.4	
Castlebay (Bacraisd.) ...	1007.0	44	NW	4	0	999.1	-5	40	-	NW	5	2	ca	5	4	46	37	ob:ge	abc:0	bcbq	1.2	
Glasgow ...	1003.7	42	W	2	b	997.0	-3	35	-4	W	2	-	b	*	1	44	34	b	b:bc	cb:bc	4.3	
Eskdalemuir ...	1003.1	37	NW	5	b	996.8	-4	33	0	NW	3	-	bc	*	1	39	33	om:oc	bc:b	bc:bb	2.7	
Malin Head ...	1006.4	42	N	6	cap	998.9	-4	38	-7	NNW	7	NW	q:cpm	7	5	40	36	bc:qb	cap	cmqb	2.2	
Blacksod Point ...	1014.0	44	NW	7	cap	1007.7	-5	40	-5	NW	8	NW	q:cpm	7	3	46	36	bc:qb	cap	cmqb	*	
Valencia ...	1018.0	47	NW	5	c	1013.7	-3	46	-2	WNW	5	-	o	*	Trace	48	45	ob:c	cb	co	0.1	
SCOTLAND.																						
Roche's Point ...	1014.5	46	NNW	5	o	1010.1	*	44	-2	NNW	5	N	b	4	Trace	49	43	oc	cb	ob:cb	*	
Birr Castle ...	1013.1	42	NW	3	o	1007.7	*	40	-4	NW	3	-	o	*	-	46	33	c	co	co	1.3	
Donaghadee ...	1006.1	42	NW	5	capbm	1000.5	-2	35	-10	NW	5	NW	m:obq	4	2	46	35	om:qb	bc:qb	bc:mq	*	
Liverpool (Bidston) ...	1005.1	42	W	4	c	1000.0	-5	40	+4	W	5	W	oq	4	2	44	36	odm	or	oq	0.6	
Holyhead ...	1007.0	46	NNW	7	bcq	1001.8	-5	42	-4	NW	7	NW	ca	7	2	46	39	docq	cb:bcq	cbq	0.6	
Pembroke (St. Ann's) ...	1009.7	47	NW	5	bc	1006.7	-4	44	-2	W	5	NW	ca	4	1	47	41	bc:bcq	bc:bcq	bc:bcq	0.8	
ENGLAND.																						
Scilly (St. Mary's) ...	1011.2	46	NNW	5	oq	1010.0	-2	43	-4	NW	5	-	o	*	Trace	47	42	dq:co	cb:q	q:bc	0.7	
Falmouth ...	1008.5	42	S	3	omd	1007.8	*	44	+5	WNW	4	-	o	3	7	46	38	omd	omd	co	0.0	
Jersey (St. Aubin) ...	1007.0	43	NW	4	bc	1005.5	-1	42	-1	NW	5	W	bc	4	1	45	40	cr	bc:b	bc:c	*	
Dungeness ...	1005.2	39	SW	7	rq	1000.3	-2	39	-1	W	4	W	c	3	8	43	39	rob	qr	cr:cb	*	
Dover ...	1005.2	40	SW	5	r	1000.8	-1	40	+5	W	4	W	o	3	8	41	38	ro	or	pro	0.0	
W. COAST OF ENGLAND.																						
Wick ...	999.6	38	WNW	2	c	996.0	0	34	-4	NW	2	-	bc	2	4	40	33	feomr	om:mp	bcb	*	
Nairn ...	1001.2	40	WNW	2	bc	995.1	*	36	-5	W	1	-	ob	1	3	42	34	d:cg	bcq	bc:cb	0.3	
Aberdeen ...	1000.9	39	WNW	3	bc	994.8	-1	36	-1	WNW	4	-	r	2	3	39	35	fdom	bc:cb	bc:or	0.1	
Leith ...	1001.8	41	W	1	bc	995.7	-2	37	-1	W	1	-	o	2	0.3	45	36	fdom	cb:cb	bc:cb	*	
Tynemouth ...	1001.3	40	W	2	od	995.0	-5	36	+1	WNW	2	-	odm	3	2	40	28	fr	fr	cmd	*	
Spurn Head ...	1001.2	34	WSW	2	fe	996.0	-1	33	+1	NW	5	-	bc	5	4	34	31	om	om	bcq	0.0	
E. COAST OF ENGLAND.																						
Yarmouth ...	1002.5	37	SW	2	o	997.0	-2	37	+6	NW	2	-	om	2	6	38	30	omd	omd	ofomd	*	
Clacton-on-Sea ...	1003.6	39	SSE	4	r	999.4	-2	39	+6	WNW	3	NW	c	2	6	39	33	ogsd	ogd	ogdc	0.0	
Nottingham ...	1003.4	39	W	2	c	999.0	*	38	+5	WNW	2	-	r	*	2	41	33	sodm	dm:ob	bc:c	0.0	
Benson (Oxon.) ...	1004.7	40	W	2	o	1001.1	-4	38	+4	W	3	-	o	*	3	40	34	od	o	o	*	
St. Farnborough ...	1005.0	40	WNW	2	c	1001.8	-3	39	+5	WNW	2	-	o	*	4	42	34	ord	odc	cb:co	0.0	
London (Kew Obs.) ...	1005.2	40	WSW	2	om	1001.5	-2	39	+5	W	3	-	o	*	5	41	33	om:omd	om:omd	om:omd	2.1	
NORTHERN EUROPE.																						
Spitsbergen ...	1005.6	-26	S	2	b	1009.9	+3	-26	-9	-	0	*	b	*	*	-17	-35	UPPER AIR. South Farnborough. Pilot Balloon Ascent at 7.50. 2,000 metres NW. 19. 1800 " NW. 14. 1500 " NW. 15. 1200 " NW. by W. 16. 900 " NW. by W. 15. 600 " NW. by W. 14. 300 " W. by N. 9. Surface W. by S. 5.				
Vardö ...	995.9	18	W	2	bc	991.7	-3	16	+7	SW	3	-	o	3	*	18	5					
Bodö ...	1047.3	34	SW	4	c	999.8	+1	32	+7	W	4	-	c	2	-	34	25					
Christiansund ...	1002.3	36	-	0	b	1000.7	-1	34	-3	-	0	-	b	3	-	39	27					
Skudesnaes ...	1005.1	46	SSE	5	o	999.7	-3	30	-2	SE	5	-	o	4	-	34	30					
Færder (X'aniafjord) ...	1009.3	21	ENE	2	f	1005.9	-1	19	0	NNE	2	-	m	1	-	21	19					
The Scaw (Skagen) ...	1009.9	27	E	1	o	1004.4	+3	28	0	ESE	2	-	o	2	-	28	25					
Blaavands Huk ...	1008.2	28	ESE	1	o	1000.6	-4	32	+5	SSE	3	-	o	3	-	32	25					
Copenhagen ...	1009.0	30	E	2	o	1004.2	-2	34	+4	SE	4	-	s	*	Trace	34	27					
Bornholm ...	1007.8	30	NNE	5	b	1005.0	-2	34	+2	E	4	-	s	1	2	34	28					
FRANCE, &c.																						
The Helder ...	1006.1	34	S	3	o	993.2	-5	34	0	SSE	1	-	o	1	2	37	34	GALES. Duration and Extreme Force in British Islands. Malin Head. Extreme Squall. No during night. Blacksod Point 7h. 12h. N.W. 8.				
C. Gris Nez ...	1005.0	36	S	5	r	1001.9	-1	42	+8	W	5	*	c	5	8	42	34					
La Hève ...	?	36	S	2	f	?	*	43	+7	NW	5	*	o	5	4	43	36					
Brest (St. Mathieu) ...	1014.4	46	NNW	6	c	1012.0	-1	45	-4	N	6	*	o	4	2	50	43					
Rochefort (Ile d'Als) ...	1009.3	41	SSE	4	o	1010.3	0	46	+9	NNW	5	*	o	*	-	41	34					
Biarritz ...	1007.5	39	SSE	2	r	1013.3	-3	48	*	SE	4	*	o	4	17	63	39					
Paris ...	1010.3	34	S	2	o	1004.0	-2	36	+4	SSW	2	-	o	*	2	37	32					
Belfort ...	1012.6	30	WSW	2	o	1008.2	*	28	0	WSW	2	*	o	*	?	39	28					
Lyons ...	1012.0	32	-	0	o	1009.5	*	32	0	-	0	*	o	*	-	37	23					
Nice ...	1008.2	36	E	1	b	1003.4	-1	36	-3	E	3	*	b	2	-	48	30					
Perpignan ...	1010.6	34	-	0	b	1009.2	-1	41	+4	WNW	2	2	o	*	-	45	41					
Sanguinaire ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	GALES. Duration and Extreme Force in British Islands. Malin Head. Extreme Squall. No during night. Blacksod Point 7h. 12h. N.W. 8.				
SOUTHERN STATIONS.																						
Corunna ...	1018.4	54	NNW	5	r	1023.3	+1	50	-2	NW	2	-	o	3	2	52	48	GALES. Duration and Extreme Force in British Islands. Malin Head. Extreme Squall. No during night. Blacksod Point 7h. 12h. N.W. 8.				
Madrid ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
Lisbon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
Azores (Horta) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
Madeira ...	1023.7	59	NE	3	c	1028.8	0	54	0	N	3	-	b	3	-	63	52					
Gibraltar ...	1018.9	53	SW	6	r	1017.6	*	51	+8	NW	4	*	b	4	2	55	42					
Malta ...	*	*	*	*	*	1000.3	+3	48	-6	WNW	6	-	o	6	9	57	45					
Limassol ...	*	*	*	*	*	1019.3	0	57	+2	ENE	5	-	o	5	-	64	52					
Alexandria ...	1020.7	59	NE	0	bc	1018.0	0	54	-7	-	0	-	m	0	-	68	54					
Cairo (Helwan) ...	1019.3	59	NE	1	bc	1017.1	0	48	-4	SE	1	SW	bc	*	-	66	46					
24 HOURS ENDED 9 h. TO-DAY.																						
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			SOUTH KENSINGTON.										
15 h. Yester- day.		9 h. To- day.			Max.	Min.	Min. on Grass.		Morning.		After- noon.		Night.		Vertical Component of Solar Radiation per square Centimetre during Yesterday.							
GREENWICH (Royal Observatory)		98	78	0.0	41	36	33	2	ods	ods	ods	Total.			Average Rate.							
CITY (Bunhill Row) ...		99	80	0.0	41	36	33	3	dm	dm	oc:bcq	Joules.			Milliwatts.							
WESTMINSTER (St. James's Park)		100	84	0.0	41	36	33	3	od	od	*	68			23							
CAMDEN SQ. (British Rainfall) ...		*	86	0.0	39	35	27	3	om	om	bc	Temperatures at Greenwich and Cam- den Square are from Glaisher screens.			Max. Rate.							
HAMPSTEAD (Reservoir) ...		*	78	0.0	41	37	35	4	od	od	od.c											
S. KENSINGTON (Museum Grounds)		*	*	*	*	*	*	*	*	*	*											
RICHMOND PARK		*	*	*	*	*	*	*	*	*	*											



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO SATURDAY

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NO
WARNINGS
ISSUED.

Western Channel and Bay. 11

Fresh or strong North-Westerly or Westerly winds, high at times on north-west coasts; unsettled weather, some rain, fairer intervals; normal temperature.

Fresh Northerly or North-Westerly winds; rather rough sea; unsettled, some rain.

FURTHER OUTLOOK.

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

NAPIER SHAW, Director.

Millibars

1050—3

1040

1030

1020

1010

1000

990

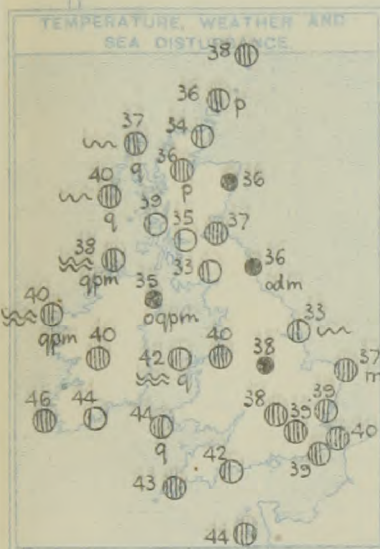
980

970

SYNOPTIC CHART FOR THE MORNING OF FRIDAY, 12TH JANUARY, 1917.

GENERAL INFERENCE.

No very important change is expected in the general conditions, but weather will remain of an unsettled type.



EXPLANATION.

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

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

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

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

WEATHER.—Shown by the following symbols:—

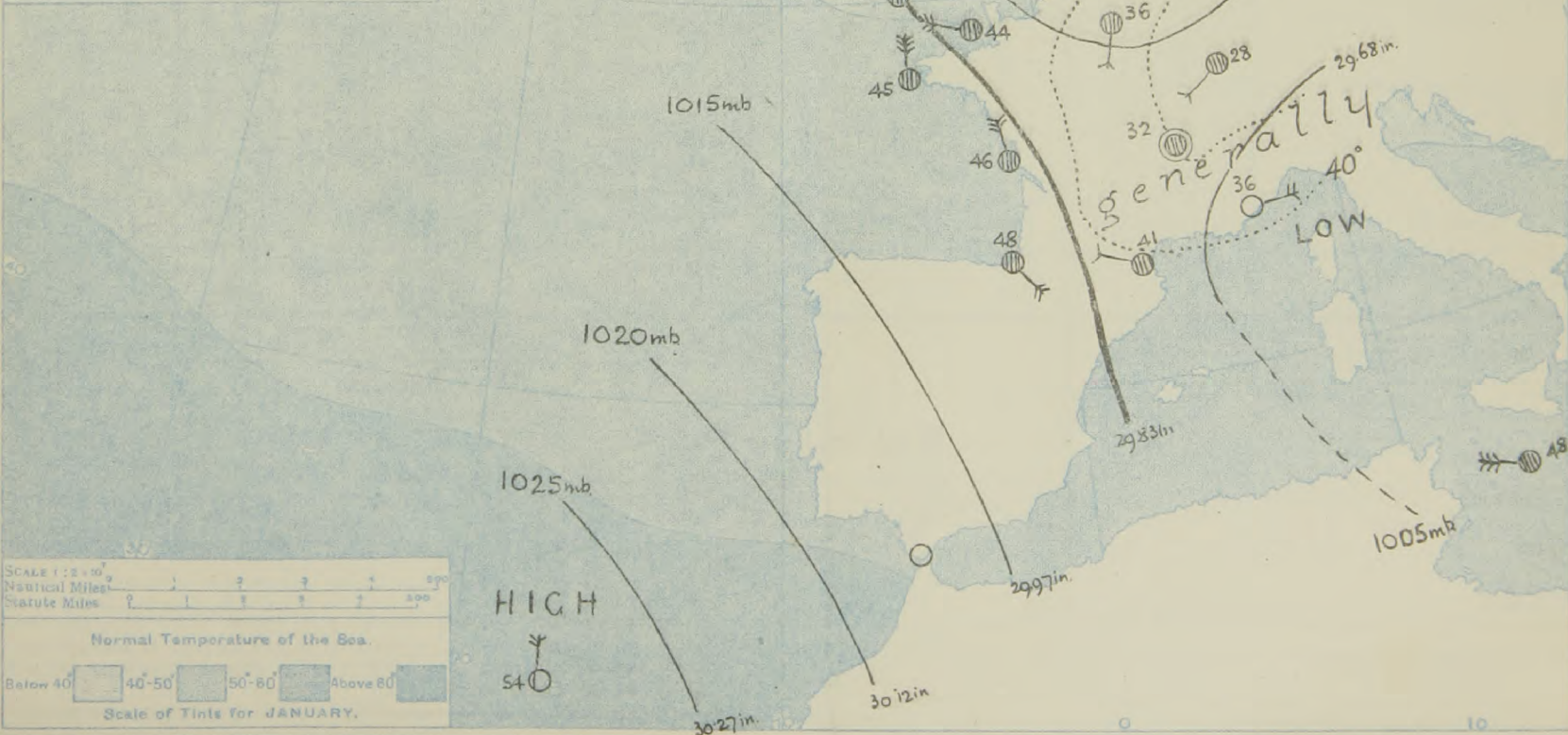
○ clear sky. ○ sky & clouded. ○ sky & clouded.

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

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

⚡, thunderstorm.

SEA DISTURBANCE.—Rough. High.



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.				PAST 24 HOURS.				MORNING			
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.
			Dir.	Force 0-12.			Dry Bulb.	Change in 24 hours.					Max.	Min.		
RUSSIA, 7 a.m. and 9 p.m. Local Time.	Archangel	...	...	...	1014.1	-1	5	-7	SE	2	0	-	5	5	Isafjord	1007.4
	Gorki	1015.5	12	SE	2	0	1011.4	-0	21	+7	-	0	12	12	Reykjavik	1005.7
	Velieki Luki	1017.9	10	SE	1	0	1013.0	*	3	-11	-	0	*	*	Vestmanna	1006.9
	Hangö	1012.2	19	E	1	0	1010.6	-0	9	-14	E	1	1	1	Seydisfjord	1006.1
	Riga	1016.7	27	SSE	2	0	1008.7	-0	23	+4	ESE	3	19	19	Thorshavn	1003.6
	Petrograd	1015.4	14	SE	4	0	1010.6	-2	14	0	SE	2	16	14		
	Moscow	1022.4	16	ESE	7	0	1014.6	-0	25	+18	ESE	1	3	7		
	Kiev	1015.4	25	-	0	0	1011.9	-3	32	+13	SSE	2	19	19		
	Kharkov	1015.6	34	S	2	0	1019.4	-0	34	0	S	2	34	34		
	Kishinev	1012.2	39	-	0	0	1013.1	+0	36	+4	-	0	30	30		
MEDITERRANEAN.	Elisabetgrad	1017.5	34	SW	2	m	1014.7	-0	36	SE	3	f	32	32		
	Nicolaiev	1017.2	39	-	0	0	1015.5	*	45	+9	SW	3	34	34		
	Odessa	1016.6	41	S	3	0	1015.3	+0	43	+7	WSW	3	36	36		
	Tarkhankout	1017.1	50	SSE	4	bc	1024.7	*	50	+5	SSE	5	45	45		
	Soukhom	...	...	...	...	...	...	...	...	...	...	...	...	...
	Venice	1005.9	39	E	1	bc	1008.2	*	37	0	NE	1	41	36		
	Pesaro	1005.9	41	SW	1	c	1008.6	*	41	+2	SW	2	39	39		
	Rome	1007.3	45	W	1	r	1009.7	*	41	-4	NE	1	54	41		
	Viesti	1009.6	52	SSW	6	0	1010.6	*	50	0	SW	2	45	45		
	Brindisi	1012.9	48	SE	1	0	1011.4	*	50	0	S	1	48	48		
SWEDEN.	Cagliari	1005.9	57	NNE	4	r	1007.6	*	52	-2	SE	2	63	42		
	Palermo	1010.4	48	-	0	b	1009.5	*	?	0	-	0	?	?		
	Tripoli	...	...	...	...	...	1010.9	*	46	0	SE	2	41	41		
	Algiers	1012.3	46	SW	4	c	1012.8	+2	43	-2	NNW	5	52	37		
	Hernösand	1014.9	5	-	0	b	1008.0	*	-4	+5	E	2	*	*		
	Stockholm	1012.7	23	N	2	c	1012.0	*	19	-6	N	2	*	*		
	Wisby	1009.9	30	SE	2	0	1008.8	*	32	+4	NE	4	*	*		

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles	7	18
France	7	18
Norway	7	18
Sweden	7	17
Denmark	7	18
Holland	7	18
Italy	7	20
Egypt	6	18
Corunna	7	16
Madrid	8	16
Lisbon	7	21
Azores	8	17
Madeira	7	21
Malta	8	—
Limassol	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night.	Day.	Max.	Min.	Forenoon.	Afternoon.			Night.	Day.	Max.	Min.	Forenoon.	Afternoon.			
	10h-11h.	11h-12h.							10h-11h.	11h-12h.							
Scotland.	Oban	1	Trace	47	36	cp	cp	0.9	England, E.	Lowestoft	2	1	39	34	oprs	or	0.0
	Banff	2	2	42	36	c.bc	bc, bc.	0.4		Felixstowe	2	4	39	28	ots	or.	0.0
	Montrose	*	*							Walton-on-Naze	4	2	39	27	odrs	or.	0.0
	Carnoustie	*	*							Southend-on-Sea	4	2	39	27	odrs	or.	0.0
	St. Andrews	*	*														
Eng. N.E.	Harrogate	3	1	28	32	c.c.c.	bc c.o	0.7	England, S.E.	Margate	3	4	40	30	or	od.r	0.0
	Skegness	4	1	30	30	og	fd	0.0		Ramsgate	2	2	38	28	r	r	0.0
Eng. N.W.	Morecambe	3	1	44	35	-	-	0.0		Hastings	3	2	42	30	bc.or	od.	0.0
	Southport	7	1	43	34	rm,o	c.or.c.b.	0.0		Eastbourne	4	3	41	28	od	omd	0.0
										Seaford	*	*	43	27	r	r	0.0
										Brighton	4	3	43	30	or	or	0.0
										Worthing	3	2	43	28	d	d	0.0
Midlands.	Leamington Spa	*	*							Littlehampton	4	1	42	35	d	d	0.0
	Malvern	*	*							Bognor	*	*					
	Ross-on-Wye	7	1	44	34	or.d	bc.	0.0		Bournemouth	4	2	44	32	r	or.o	0.0
Wales.	Rhyl	4	2	44	36	dp	dp	0.0	England, S.W.	Weymouth	*	*	45	32	odm	rm	0.0
	Colwyn Bay	*	*	45	-	rc	c.o	0.0		Torquay	4	Trace	46	36	o	o.c.	0.1
	Llandudno	*	*	46	40	p.	p.	0.1		Paignton	*	*					
	Aberystwyth	*	*	44	36	r.o.c.	o.or.	0.0		Penzance	22	1	47	39	omr	o	0.0
	Tenby	*	*							Newquay	17	Trace	47	39	od.c	d.c.	0.0
										Bude	6	1	47	38	p	p.be.	0.0
									Ilfracombe	5	Trace	46	38	mr	og	0.0	
									Weston-s-Mare	*	*						

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

12 th January 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	8.2	12.1	4.1
	8.1	12.2	4.3
Greenwich	8.3	12.8	4.13
	8.3	12.9	4.15
Wick	8.36	12.20	3.44
	8.55	12.21	3.46
Valencia	8.47	12.44	4.52
	8.46	12.50	4.54

NOTES ON YESTERDAY'S WEATHER.

Moderate falls of rain occurred in all districts. Some sunshine was recorded in the north-west, but little elsewhere. Temperature remained low in the south-east, moderate elsewhere.

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

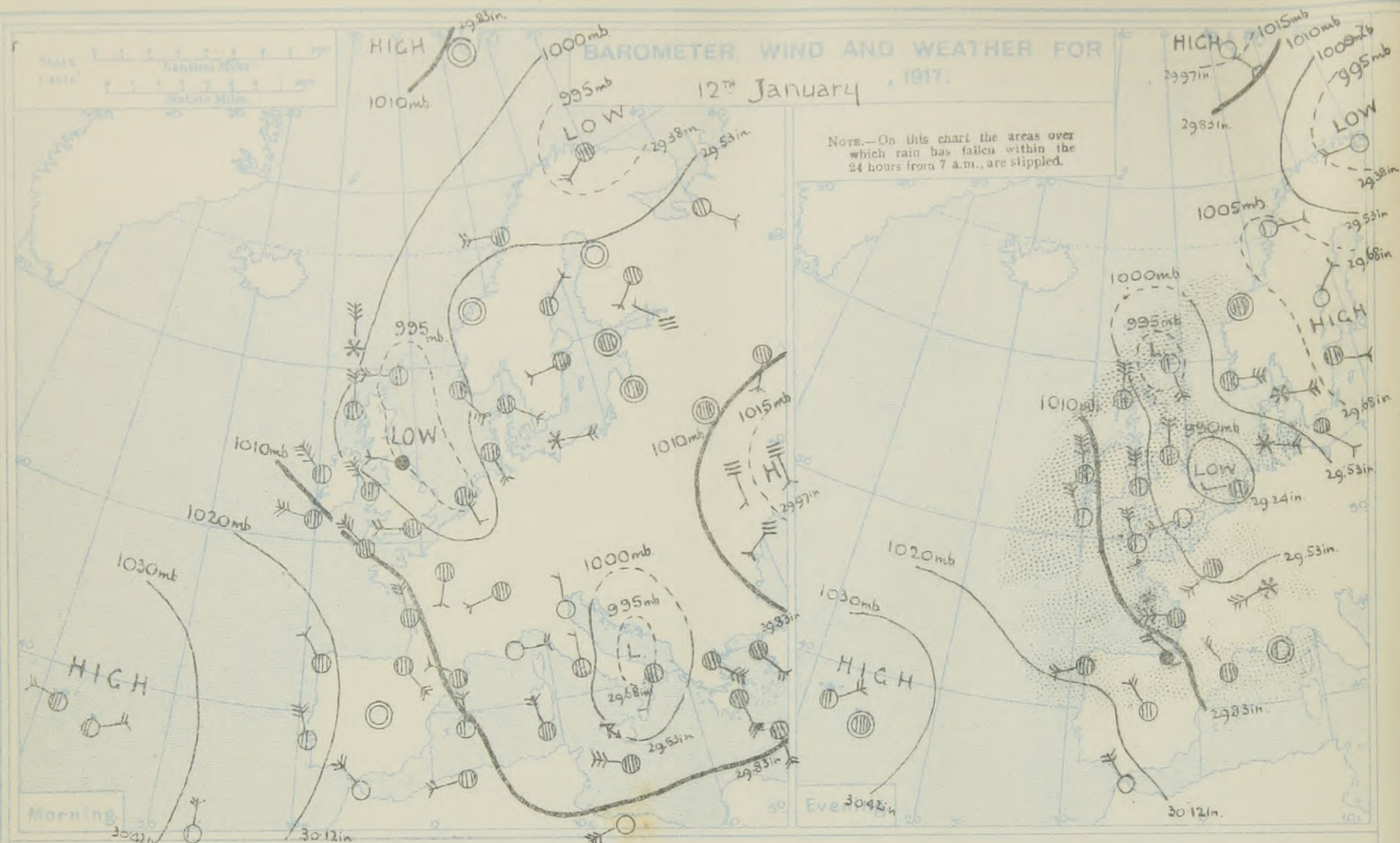
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1917.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 13

Saturday
13th January

STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS					Sun- shine for Yester- day Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Baromet. Milli- bars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Change in 24 hours.	WIND.		Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
			Dirac.	Force						Dirac.	Force					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.																					
Lerwick	994.0	40	SSE	4	bc	1002.7	+2	37	-1	ESE	1	-	bc	1	1	41	37	bc	bc	bc	*
Deerness (Orkney)	992.2	39	NW	5	opr b	1001.7	*	38	+2	NNE	2	-	op	2	5	40	35	cp	corb	op	0.0
Stornoway	1004.2	34	N	6	hq cbs	1007.2	+4	34	-3	N	7	-	opr b	6	11	38	32	cp b	cp b	cp b	0.4
Castlebay (Barra Isd.)	1008.0	37	N	4	b	1008.8	-1	36	-4	NNE	6	N	bc	5	2	42	32	obcsq	spq b	shp b	1.1
Glasgow	1001.2	37	N	2	b	999.4	-2	33	-2	-	0	-	s	*	4	40	32	acem	bc cb	bos	1.2
Esksdalemuir	998.7	34	N	6	b	999.2	+2	26	-7	N	2	-	b	*	-	35	25	bc z	sbo	b	1.0
Malin Head	1005.2	40	N	8	bc qph	1001.0	-1	36	-2	N	2	-	q	9	2	43	35	cmq b	bc qph	cp b	1.6
Blacksod Point	1010.1	40	NNW	8	qph	1009.4	-2	35	-5	N	8	-	qph	7	2	43	34	bc q	qph	qph	*
Valencia	1012.7	41	NNW	5	bc	1009.5	-3	38	-8	NNE	5	-	bc q	6	4	47	35	oc	cb q	bc q	1.5
Roche's Point	1008.4	42	NNW	5	bc	1007.5	*	37	-7	NW	4	-	b	3	Trace	46	36	b bc	bc	b	*
Birr Castle	1008.2	36	NW	2	c	1005.5	*	33	-7	NW	1	-	c	*	1	46	31	cp rs	c	cx	0.0
Donaghadee	1001.6	42	N	6	qph	997.7	-3	40	+5	N	7	-	om q	6	5	42	34	cp ps	cp ps	cm q	*
Liverpool (Bidston)	996.4	39	NW	4	bc	997.4	+2	35	-5	NW	2	-	b	2	1	40	35	ors	bc p	bx	1.0
Holyhead	1000.1	42	N	7	cp h	997.5	-3	39	-3	N	7	-	op q	7	5	43	37	cp h	cp h	cp b	1.0
Pembroke (St. Ann's)	1001.8	42	NNW	6	bc	1000.7	-2	38	-6	NW	5	-	q	5	2	44	37	bc q	bc q	bc q	1.9
SCILLY ISLANDS.																					
Falmouth	1003.2	41	NNW	6	bc q	1001.3	-1	37	-6	N	5	-	bc q	*	3	45	36	db q	bb q	bc q	3.1
Jersey (St. Aubin)	1000.3	43	NNW	4	b	998.6	*	40	-4	NNW	4	NW	cp	3	2	46	37	c	cp b	bc p	0.7
Portland Bill	997.7	38	NW	5	bc	997.4	-1	38	-4	NNW	4	NW	b	4	2	45	36	bc cp	cb cp	bc c	*
Dungeness	993.0	35	NNW	4	s	991.8	+2	34	-5	NNW	5	N	c	4	0.4	43	33	oc	cos	coc	*
Dover	993.7	35	NW	3	b	992.9	+3	35	-5	NNW	6	NW	o	4	4	40	33	oc	abc b	cb b	1.3
Wick	995.5	37	NNW	5	r	1000.7	+4	40	+6	ESE	1	-	o	3	3	42	34	cm q	q r	cm q	*
Nairn	1000.6	35	NW	3	ou	1001.5	*	35	-1	NW	2	-	q	2	8	38	34	pr sc	q p	opr sc	0.1
Aberdeen	998.0	35	NNW	4	b	1000.7	+3	32	-4	NW	3	NW	q	2	1	39	32	op b	b bc	b bc	2.9
Leith	999.6	38	NNW	1	bc	999.4	+2	32	-5	N	1	-	o	2	-	40	31	ove bc	bc bc	bc bc	*
Tynemouth	994.8	40	N	4	cm q	996.7	0	37	+1	N	4	NE	cm q	4	2	40	34	omp	omp	cm q	*
Spurn Head	990.6	35	NNW	6	q r	993.3	0	39	-6	NE	5	-	q	5	5	39	33	q	q	q	0.0
Yarmouth	990.3	33	NW	1	oms	988.7	+1	37	0	N	7	-	om q	5	9	39	32	bc mp	oms	oms q	0.0
Clacton-on-Sea	992.0	36	NNW	3	o	991.2	0	35	-4	NW	4	NW	o	2	1	40	33	c bc	bc q	q p	2.3
Nottingham	994.1	36	NNW	4	r	995.4	*	35	-3	NNW	3	NW	o	*	3	39	33	ro cm	op	op rs	0.3
Benson (Oxon.)	995.0	35	NW	3	o	995.5	0	33	-5	NNW	4	-	o	*	2	41	38	op	rs	oro	*
Sth Farnborough	994.9	35	NNW	3	c	994.8	+1	35	-4	NW	3	-	o	*	2	41	34	op	op bc	bos ro	0.2
London (Kew Obs.)	994.5	36	WSW	3	b	994.7	+1	35	-4	NW	3	-	o	*	1	41	34	oc bc	cp q	bc b	0.9
NORTHERN EUROPE.																					
Spitsbergen	1015.4	-27	SE	2	b	1019.1	+3	-27	+1	-	0	-	o	*	*	-26	-40	UPPER AIR.			
Vardö	994.1	25	W	3	b	998.1	+4	16	0	W	3	-	b	2	*	27	16	South Farnborough.			
Bodö	1006.0	23	E	2	b	1009.6	+1	18	-14	E	2	-	bc	2	*	30	14	Pilot Balloon Ascent at 7.57 am.			
Christiansund	1002.3	36	-	0	o	1005.0	+2	28	-6	SE	1	-	b	3	1	36	22	1500 metres. N by W. 12			
Skudesnaes	1000.3	30	E	5	o	1001.5	0	27	-3	E	3	-	b	2	-	32	27	1200 "			
Færder (Xania Fjord)	1000.3	21	NE	5	o	1004.4	0	23	+4	NNE	6	-	o	2	-	23	19	900 "			
The Scaw (Skagen)	1002.0	30	E	4	s	999.9	+1	28	0	ESE	4	-	o	4	-	32	27	600 "			
Blaavands Huk	994.1	30	ESE	3	s	994.1	+1	30	-2	E	3	-	s	4	Trace	32	27	300 "			
Copenhagen	1000.7	32	SE	2	s	998.0	0	34	0	E	4	-	o	*	2	34	32	Surface. N.N.W. 9			
Bornholm	1001.5	32	SE	2	o	999.1	0	32	-2	SE	2	-	m	1	-	34	30	N.W. by W. 7			
FRANCE, &c.																					
The Helder	988.8	39	WSW	1	o	989.7	+1	36	+2	SE	1	-	o	1	5	44	32	GALES Duration and Extremity Force in British Islands.			
C. Gris Nez	993.0	39	W	4	c	992.2	+2	37	-5	NNW	6	-	o	6	1	43	37				
La Hève	993.0	39	NW	6	o	*	*	39	-4	NNW	5	-	o	6	1	46	37				
Brest (St. Mathieu)	1005.5	45	NW	6	c	1002.3	-2	43	-2	NNW	6	-	c	4	3	50	39				
Rochefort (Ile d'Aix)	1005.1	47	W	6	o	1002.4	0	43	-3	NNW	5	-	bc	*	1	48	43				
Biarritz	1011.0	48	NW	3	r	1004.7	0	48	-2	NW	2	-	o	3	10	52	43	Stornoway. Squalls Force 8. Early morn. Malin Head. Extreme N.g. at Jan 13 th Gale from Jan 12 th until Jan 13 th Blackhead Point Extreme N.g. Gale from Jan 12 th until Jan 13 th Holyhead. Extreme N.g. Jan 13 th Aberdeen. Aurora 6 pm. Glasgow. 3 in. snow lying.			
Paris	997.1	36	W	4	r	994.3	0	36	-0	W	3	-	o	*	3	45	34				
Belfort	1003.1	31	WSW	6	s	997.1	*	31	+3	W	2	-	s	*	4	31	28				
Lyon	1006.6	31	-	0	o	1000.8	*	32	0	NNW	2	-	bc	*	1	35	31				
Nice	1000.4	39	-	0	b	997.0	-2	38	+2	W	5	-	o	4	4	46	32				
Perpignan	1007.9	45	NW	3	o	1003.8	+1	43	+2	NW	2	NW	o	*	Trace	50	32	Temperatures at Greenwich and Cam- den Square are from Glasher screens.			
Sanguinaire	*	48	NW	3	o	*	*	49	+6	NW	5	-	o	6	-	52	43				
Corunna	1019.4	50	WSW	3	o	1010.4	-4	50	0	-	0	-	o	1	5	52	46				
Madrid	1015.4	46	NW	3	c	1008.4	-3	39	+9	WSW	2	-	o	*	-	48	37				
Lisbon	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
Azores (Horta)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
Madeira	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Vertical Components of Solar Radiation per square Centimetre during Yesterday.			
Gibraltar	1024.9	53	NW	4	o	1019.9	*	50	-1	NW	5	-	b	3	-	59	49				
Malta	*	*	*	*	*	1007.0	+2	52	+4	NNW	3	-	c	2	5	48	46				
Limassol	*	*	*	*	*	1015.1	+2	55	-2	S	1	-	bc	3	1	64	52				
Alexandria	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
Cairo (Helwan)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Aberdeen. Aurora 6 pm. Glasgow. 3 in. snow lying.			
LONDON OBSERVATIONS.																					
HUMIDITY.		Sun- shine for Yester- day.		TEMPERATURE.		Rain- fall.		WEATHER.		SOUTH KENSINGTON.											
15 h. Yester- day.		9 h. To- day.		Max. Min.		Min. on Grass.		Morn- ing. After- noon. Night.		Vertical Components of Solar Radiation per square Centimetre during Yesterday.											
GREENWICH (Royal Observatory)		83 86		44 34		31		c.0 dp.sp dp.		Total. Average Rate. Max. Rate.											
CITY (Bunhill Row)		84 84		42 35		34		1r Or om.		Joules. Milliwatts. Milliwatts.											
WESTMINSTER (St. James's Park)		84 84		41 33		31		3 3		118 4.0 14.5											
CAMDEN SQ. (British Rainfall)		84 84		41 33		31		3 3		Temperatures at Greenwich and Cam- den Square are from Glasher screens.											
HAMPSTEAD (Reservoir)		84 84		41 33		31		3 3		Glasgow.											
S. KENSINGTON (Museum Grounds)		84 84		41 33		31		3 3		3 in. snow lying.											
RICHMOND PARK		84 84		41 33		31		3 3													



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NORTH COAST

hoisted in west at 2 pm; east, 8 pm
Western Channel and Bay

- | | | | |
|----|---|---|--|
| 0 | a | } | Wind between North and East, increasing; squally, changeable, snow or hail showers; rather cold. |
| 1 | b | | |
| 2 | a | } | Fresh squally Northerly (North-East to North-West) winds; dull, some showers of snow or hail; rather cold. |
| 3 | b | | |
| 4 | a | } | Fresh or strong Northerly squally winds; changeable, some snow or hail showers; rather cold. |
| 5 | b | | |
| 6 | a | } | Fresh Northerly or North-Westerly squally winds; fair intervals, some hail showers; rather cold. |
| 7 | b | | |
| 8 | a | } | Northerly gales; changeable, hail or snow showers; cold. |
| 9 | b | | |
| 10 | a | } | Fresh or strong Northerly winds, changeable, fair intervals, some showers; cold. |
| 11 | b | | |

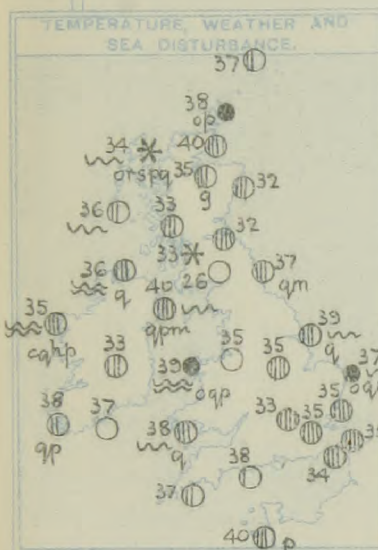
Fresh or strong North-Westerly winds, rather rough sea changeable, showery.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF SATURDAY, 13TH JANUARY, 1917.

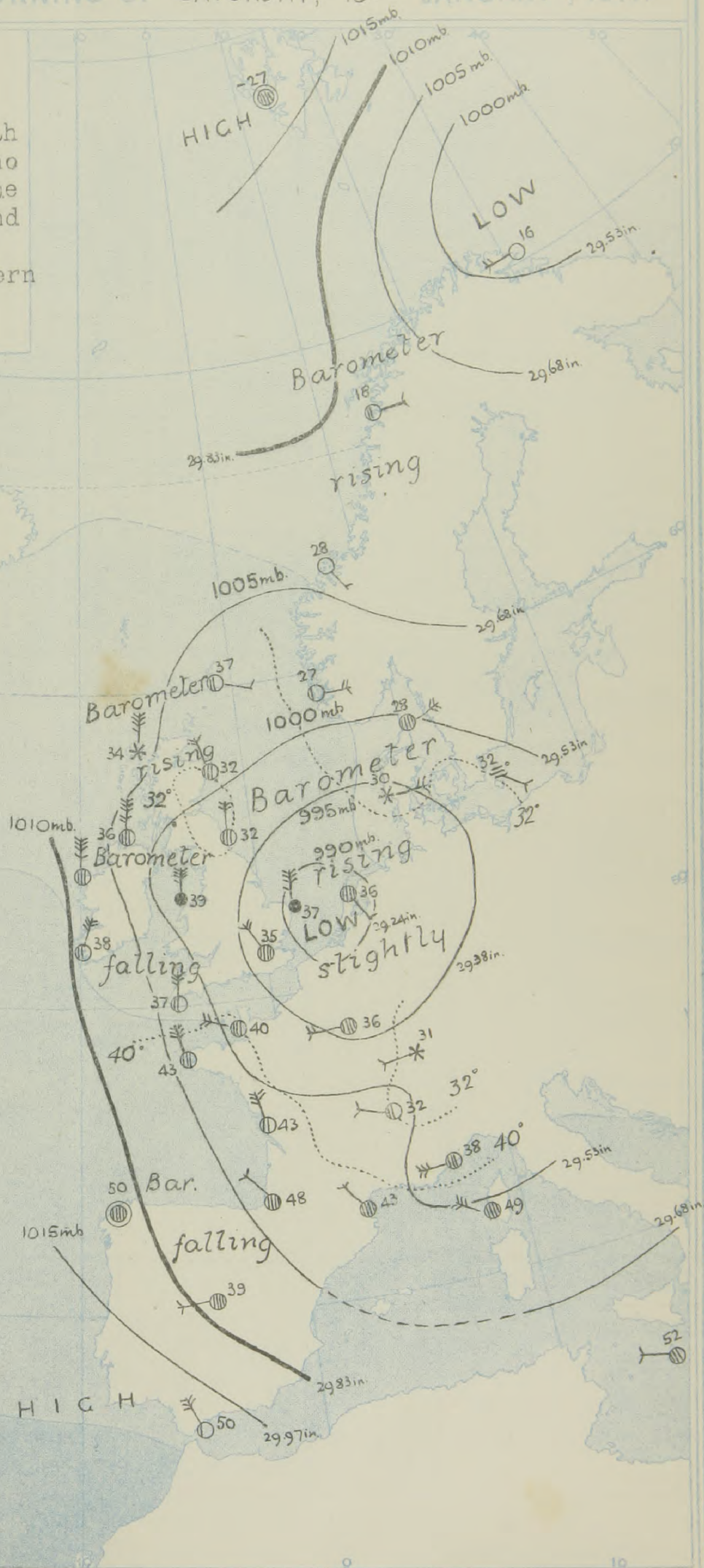
GENERAL INFERENCE.

The depression over the North Sea will remain stationary, and no material change is expected in the general unsettled condition beyond an increase of wind from between North and East in the north-eastern districts.



EXPLANATION.

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



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.					PAST 24 HOURS.					MORNING.				
	Barom. Millibars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Millibars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	Weather.	Rain- fall. Milli- metres.	TEMP.		Barom. Millibars at M.S.L.	Temp. °F.	WIND.		Weather.
			Dir.	Force 0-12.				Dry Bulb.	Change in 24 hours.					Max.	Min.			Dir.	Force 0-12.	
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1006.7	0	E	2	1003.3	-3	12	+7	SE	2	c	—	—	-4	1003.6	32	—	3	S
	Gorki ...	1007.3	30	S	1	1009.4	+1	30	+9	—	0	o	2	—	5	—	—	—	—	—
	Veliki Luki ...	1007.7	23	—	0	1010.4	—	25	+22	—	0	o	—	—	3	—	—	—	—	—
	Hangö ...	1009.9	14	ESE	1	1008.6	-2	19	+10	S	1	o	—	—	3	—	—	—	—	—
	Riga ...	1007.1	23	—	0	1008.0	+1	23	0	—	0	o	3	—	23	—	—	—	—	—
	Petrograd ...	1009.9	0	NW	1	1009.2	-1	10	-4	NW	1	f	—	18	0	—	—	—	—	—
	Moscow ...	1011.4	32	S	2	1009.5	-1	34	+9	SW	2	o	1	—	—	—	—	—	—	—
	Kiev ...	1015.3	28	S	2	1014.6	-1	25	-7	S	1	f	—	—	21	—	—	—	—	—
	Kharkov ...	1018.7	?	—	?	1017.5	-1	34	0	S	2	f	1	—	34	—	—	—	—	—
	Kishinev ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MEDITERRANEAN.	Elisabetgrad ...	1016.7	36	—	0	1015.1	-1	36	0	SSE	2	f	—	—	34	—	—	—	—	—
	Nicolaiev ...	1016.7	45	SW	2	1014.6	—	45	0	—	0	f	1	—	39	—	—	—	—	—
	Odessa ...	1015.8	50	W	2	1014.0	-2	43	0	SW	2	f	2	—	41	—	—	—	—	—
	Tarkhankout ...	1018.6	50	S	3	1015.9	—	50	0	SSE	4	c	—	—	50	—	—	—	—	—
	Soukhom ...	1025.1	46	NE	1	1022.4	-3	43	—	NE	1	bc	—	—	—	—	—	—	—	—
	Venice ...	1007.4	37	N	1	1002.0	—	34	-3	N	1	b	—	45	34	—	—	—	—	—
	Pesaro ...	1008.0	37	W	3	1002.2	—	37	-4	W	3	o	—	46	36	—	—	—	—	—
	Rome ...	1004.0	43	NE	1	1000.1	—	39	-2	N	1	c	2	49	39	—	—	—	—	—
	Viesti ...	1004.8	50	NNE	1	994.6	—	46	-4	NW	3	r	4	55	46	—	—	—	—	—
	Brindisi ...	1012.6	48	SE	2	995.9	—	46	?	SSW	1	c	8	61	46	—	—	—	—	—
SWEDEN.	Cagliari ...	—	—	—	—	1006.4	—	40	-12	NNW	3	o	—	61	40	—	—	—	—	—
	Palermo ...	—	—	—	—	1001.9	—	46	?	SSW	4	cl	2	64	46	—	—	—	—	—
	Tripoli ...	1009.7	46	WSW	6	1012.9	—	43	-3	WSW	6	b	—	61	43	—	—	—	—	—
	Algiers ...	1015.0	39	WSW	4	1011.3	-1	48	+5	WSW	3	o	12	48	39	—	—	—	—	—
	Hernösand ...	1004.7	5	NE	2	1003.3	—	7	+11	NE	2	c	—	—	—	—	—	—	—	—
	Stockholm ...	1009.2	16	N	2	1009.9	—	12	-7	WSW	2	o	—	—	—	—	—	—	—	—
	Wisby ...	1008.0	30	NNE	4	1007.7	—	28	-4	NE	2	o	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	h. 7	h. 18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	—
Limassol ...	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine.	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine.		
	Night. 12h-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 12h-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.			
	Mm.	Mm.	° F.	° F.			Hr.		Mm.	Mm.	° F.	° F.			Hr.		
Scotland.	Oban	2	—	42	35	b	b	2.4	England, E.	Lowestoft	3	2	40	?	o.c	c. ops	7
	Banff	3	1	41	36	c. bc.	bc. cu	0.2		Felixstowe	1	2	40	33	o. bc	bc. o	1.8
	Montrose									Walton-on-Naze							
	Carnoustie	*	*							Southend-on-Sea	1	—	41	35	o.c	o.c.	1.3
	St. Andrews	—	—	41	34			1.6									
Eng. N.E.	Harrogate	—	1	36	33	b. bc. cp.	ap. o. c.	2.3	England, S.E.	Margate	1	Trace	41	34	o. c	c	0.7
	Skegness	1	Trace	37	33	o. c. os	odp.	0.0		Ramsgate	2	1	41	37	r. o	bc. o	1.0
Eng. N.W.	Morecambe									Hastings	2	—	42	37	o. bc	bc. o	1.7
	Southport	2	Trace	40	35	o. cp. c	c. o. c	0.7		Eastbourne	3	Trace	42	38	odmg	bc. oq	0.5
										Seaford	*	*	43	36	c	c	0.6
										Brighton	1	—	42	38	c	c	0.4
										Worthing	Trace	—	42	37	o	bc.	0.5
Midlands.	Leamington Spa									Littlehampton	1	Trace	42	35	o	bc. o	0.8
	Malvern									Bognor	*	*					
	Ross-on-Wye	Trace	—	41	34	b. bc.	bc. c.	3.5		Bournemouth	—	1	43	36	c	c.	2.0
Wales.	Rhyl	2	1	44	37	p. o.	ch. bc. c.	1.0	England, S.W.	Weymouth	*	*	43	36	crsh.	rsm. o. c	1.2
	Colwyn Bay	*	*	41	36	op	oph.	0.0		Torquay	—	3	46	38	bc. cp.	bep.	3.0
	Llandudno	*	*	47	36	cp. c	c.	0.3		Paignton	*	*					
	Aberystwyth	*	*	41	35	oth.	c. o.	0.8		Penzance	1	1	48	41	cpsh	bc. c.	3.5
	Tenby									Newquay	1	2	45	39	p	b. p	1.8
										Bude							
										Ilfracombe	Trace	1	45	39	c. op	op.	0.0
								Weston-s-Mare	Trace	Trace	43	40	bep. bc	p. bc.	1.8		

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

STATIONS.	13th January 1917.		
	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 8.1	G.M.T. 12.2	G.M.T. 4.3
Greenwich ...	8.0	12.2	4.4
Wick ...	8.3	12.9	4.15
Valencia ...	8.2	12.4	4.16
—	8.55	12.21	3.46
—	8.54	12.21	3.48
—	8.46	12.50	4.54
—	8.45	12.50	4.55

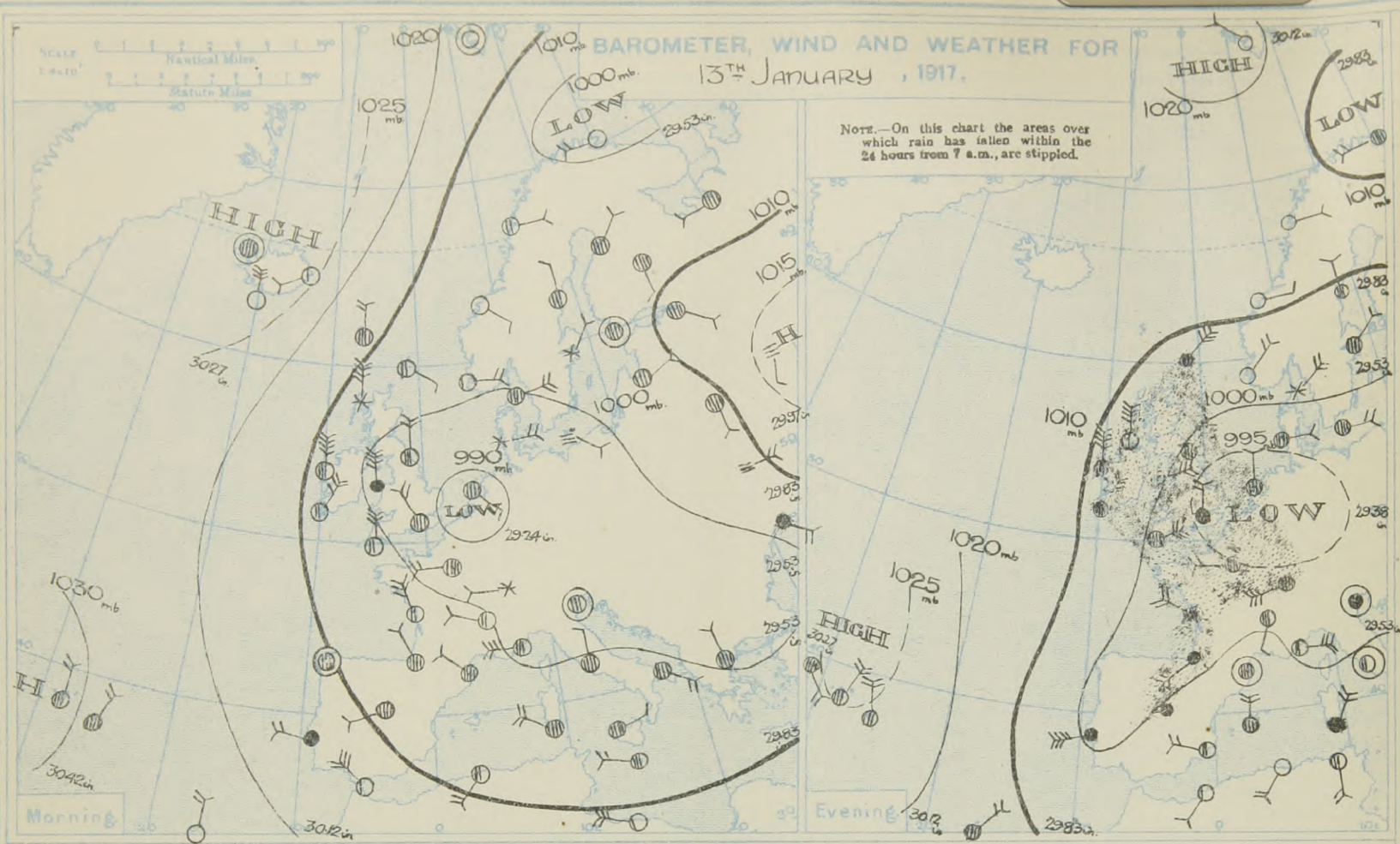
NOTES ON YESTERDAY'S WEATHER.

Strong Northerly gales were experienced in the north of Ireland. Moderate falls of rain occurred in all districts, with snow and hail locally. Some sunshine was recorded in the north-west, but little elsewhere. Temperature remained low in the south-east, moderate elsewhere.

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

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BRITISH ISLANDS.	STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.							Sun- shine for Yester- day Hours.
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. Dry Bulb.	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.			
	Lerwick ...	1006.6	39	NE	6	op	1013.4	0	35	-2	NE	7	NE	bcg	5	3	40	33	bcp	op	bcg sp	*		
	Deerness (Orkney) ...	1005.7	38	NNE	5	bc	1012.5	*	36	-2	NE	6	-	cpsh	5	5	29	34	op.c	cp.c.bc	bc cph	0.7		
	Stornoway ...																							
	Castlebay (Barra Isd.) ...																							
	Glasgow ...	1004.3	34	N	1	b	1009.4	+1	34	+1	NE	3	-	b	*	0.1	26	30	sp.bc.c	bensp.	b	1.6		
	Eskdalemuir ...	1002.3	32	N	4	b	1006.9	+2	31	+5	NNE	7	-	osq	*	2	34	24	b.bcs	bc.os	c.os.b	2.2		
	Malin Head ...	1004.8	37	N	9	cg	1009.9	+2	40	+4	ESE	6	E	bcg	6	7	42	33	cgph	cg	bcg	0.0		
	Blacksod Point ...	1009.0	37	N	8	cmgph	1011.5	+2	38	+3	NNE	4	N	csq	5	3	38	33	cmgph.	cmgph.	cmgph.	*		
	Valencia ...	1006.7	40	NNE	6	cp	1009.1	+2	36	-2	NNE	4	-	bc	4	2	41	35	c begp	cp	cp.c	0.9		
	Roche's Point ...	1003.9	37	NNE	3	c	1006.7	*	35	-2	N	3	-	b	3	-	40	24	b.b.c	c	c.b	*		
	Birr Castle ...	1005.0	36	NW	2	c	1008.6	*	32	-1	NW	1	-	b	*	1	37	31	tr.opar	c.opar	c.b	0.0		
	Donaghadee ...	1002.1	41	NNE	5	cmg	1008.0	+2	40	0	NE	5	NE	bcg	5	0.2	42	38	bcgp	bcg	bemgl	*		
	Liverpool (Bidston) ...	1000.2	37	NNW	3	o	1003.9	+2	34	-1	N	3	NW	c	3	-	38	33	bem	bc	bem	2.1		
	Holyhead ...	1001.0	41	ESE	5	cg	1004.9	+2	40	+1	NE	6	-	o	5	0.1	43	38	op.c.bc	bc.c	ap.o	5.2		
	Pembroke (St. Ann's) ...	1000.2	37	N	3	bc	1002.4	+2	36	-2	NNE	3	E	b	2	3	42	7	bcgph	bcg	bcl	3.8		
	Scilly (St. Mary's) ...																							
	Falmouth ...	997.3	43	ENE	6	og	1000.4	0	32	-5	NNE	2	-	b	*	3	41	30	chpsd	ogph.o	obl.b	2.0		
	Jersey (St. Aubin) ...	996.5	37	NW	2	b	997.8	*	38	-2	N	2	-	o	0	10	43	33	ephes	b.ap.b	b.or.o	3.2		
	Portland Bill ...	996.6	35	NNW	3	bc	997.5	0	34	-4	N	2	N	bem	2	-	42	34	bc	bc	bc cm	*		
	Dungeness ...	992.8	35	WNW	4	og	995.2	+2	33	-1	N	3	-	b	3	1	37	7	c.og	og	c.op.b	*		
	Dover ...	993.2	38	NW	4	b	996.3	+2	34	-1	NW	4	NW	b	4	1	36	34	oprs	opr.b	b	0.0		
	Wick ...	1005.8	38	NNE	3	o	1012.4	0	37	-3	NNE	6	NE	s	5	8	41	38	c.og	omgph	cgphs.	*		
	Nairn ...	1006.2	35	N	2	ogu	1012.4	*	35	0	N	3	-	beg	3	6	38	34	q.p.o	prsq	q.ph.c	0.0		
	Aberdeen ...	1004.4	35	N	3	bc	1009.2	+1	34	+2	N	4	-	csp	4	3	38	32	c.o	os.b.bc	bc.csp	0.7		
	Leith ...	1003.3	37	NE	2	c	1008.2	+1	38	+6	NNE	5	NE	c	4	0.2	39	32	c.og.c	c.omp.c	crsu.c	*		
	Tynemouth ...	993.8	39	NE	5	og	1003.3	+1	35	-2	NNE	5	-	omg	5	3	40	34	cgp	cgp	omgp	*		
	Spurn Head ...	994.8	38	NNE	5	cgp	999.1	+1	35	-4	E	6	-	bcg	6	3	39	33	ogr	cgp	bcgp	0.0		
	Yarmouth ...	991.9	36	NE	4	c	996.3	+2	36	-1	NE	5	-	bcgph	4	7	40	34	bemp	bemp.c	cgph	1.4		
	Clacton-on-Sea ...	992.9	35	NW	3	bc	998.8	+2	33	-2	NW	2	N	bc	1	-	37	32	og	og.c.bc	bex	0.0		
	Nottingham ...	996.7	35	N	3	c	1000.4	*	34	-1	N	3	N	c	*	1	38	33	os.c	c.op	csp.	0.5		
	Benson (Oxon.) ...	995.4	35	N	3	r	998.8	+3	34	+1	NNE	4	-	o	*	1	37	32	oks.c	cs	o	*		
	St. Farnborough ...	994.5	34	NNW	3	r	998.0	+2	34	-1	N	2	-	o	*	2	38	33	o.cs.bem	bem.ors	r.o.b.o	2.3		
	London (Kew Obsy.) ...	994.8	36	N	3	omd	998.2	+3	34	-1	N	2	N	c	*	1	38	33	o.bc.o	omd.oms	omd.oms	0.8		
	Spitsbergen ...	1021.1	-31	NW	2	b	1014.3	-4	-35	-8	N	1	*	bc	*	*	-24	-42						
	Vardö ...	1006.3	25	W	3	o	1011.1	-1	14	-2	S	2	-	c	4	*	25	14						
	Bodö ...	1013.2	14	E	2	b	1016.2	0	16	-2	E	4	-	b	2	-	18	10						
	Christiansund ...	1012.8	30	E	1	b	1016.8	+1	27	-1	SE	1	-	b	3	1	34	27						
	Skudesnaes ...	1004.3	27	NE	3	b	1006.1	0	27	0	ESE	3	-	c	1	-	32	23						
	Færder (Xtania Fjord) ...	1005.3	23	NNE	6	s	1007.9	+1	21	-2	NE	7	-	c	3	?	23	19						
	The Scaw (Skagen) ...	1002.0	28	ESE	4	s	1008.4	+1	25	-3	NE	6	-	s	6	?	32	25						
	Blaavands Huk ...	996.8	32	E	2	o	999.0	+2	30	0	ESE	3	-	o	3	Trace	32	28						
	Copenhagen ...	998.4	34	E	3	o	998.3	+1	30	-4	NE	3	-	o	*	Trace	36	30						
	Bornholm ...	997.6	36	E	3	o	995.9	0	32	0	N	5	-	s	2	3	34	30						
	The Helder ...	991.8	36	N	2	o	995.3	+1	?	?	N	1	-	o	1	1	36	34						
	C. Gris Nez ...	992.0	35	NNW	3	r	995.1	+3	36	-1	NE	1	*	c	3	5	43	36						
	La Hève ...	*	37	NNW	4	c	*	*	37	-2	NE	2	*	s	2	7	43	34						
	Brest (St. Mathieu) ...	997.9	38	NNW	4	o	998.4	+1	36	-7	NNE	3	*	c	3	7	45	34						
	Rochefort (Ile d'Aix) ...	998.3	40	NNW	4	c	996.6	-1	33	-10	ESE	3	*	bc	*	2	48	32						
	Biarritz ...	999.8	44	SW	4	r	994.6	-1	39	-7	ESE	2	*	o	3	13	46	37						
	Paris ...	995.1	36	WSW	2	o	997.5	+2	30	-6	SSW	1	-	o	*	-	39	30						
	Belfort ...	998.7	31	WSW	6	o	1000.2	*	28	-3	WSW	2	*	s	*	3	32	28						
	Lyons ...	999.9	36	SSW	1	c	999.1	*	31	-1	S	1	*	o	*	-	41	30						
	Nice ...	998.6	40	E	5	bc	1000.0	+1	40	+2	-	0	-	o	4	-	50	30						
	Perpignan ...	1001.0	43	-	0	o	995.0	-5	29	-4	-	0	NE	r	*	1	52	37						
	Sanguinaire ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*						
	Corunna ...																							
	Madrid ...	1000.8	44	WSW	2	r	994.6	+5	36	-3	WNW	1	-	bc	*	14	45	34						
	Lisbon ...	999.5	54	WSW	7	r	999.3	-1	43	-9	-	0	-	b	5	6	57	45						
	Azores (Horta) ...	1026.3	*	NE	4	c	1019.3	-3	54	+2	NNE	4	*	r	2	6	61	54						
	Madeira ...	1015.9	59	NE	3	o	1008.2	*	57	+3	NW	3	-	r	3	Trace	63	54						
	Gibraltar ...		*	*	*	*		*			*	*	*	*	*	*	*	*						
	Malta ...	*	*	*	*	*	1010.4	+1	54	+2	SW	2	-	b	1	-	57	52						
	Limassol ...	*	*	*	*	*	1017.0	+1	54	-1	W	2	-	o	4	Trace	66	48						
	Alexandria ...	1016.7	57	-	0	bc	1017.7	0	59	0	-	0	-	b	0	-	70	54						
	Cairo (Helwan) ...	1014.9	64	E	4	o	1015.7	+2	59	+2	-	0	-	c	*	-	66	55						
	24 HOURS ENDED 9 h. To-Day.																							
	LONDON OBSERVATIONS.		HUMIDITY.		Sun-2																			



SYNOPTIC CHART FOR THE MORNING OF SUNDAY, 14TH **JANUARY, 1917.**

GENERAL INFERENCE.

No change of importance
is expected.

TEMPERATURE, WEATHER AND SEA DISTURBANCE
 [Handwritten symbols and numbers corresponding to the legend]

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 ~~~~~

SCALE 1:250,000
 Nautical Miles 0 1 2 3 4 5
 Statute Miles 0 1 2 3 4 5
 Normal Temperature of the Sea
 Below 40° 40°-50° 50°-60° Above 60°
 Scale of Tints for JANUARY.

REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.				PAST 24 HOURS.				MORNING.			
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours	Temp. °F.	WIND.	Weather.	Rain- fall. Milli- metres.	Temp. °F.	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.	Weather.
			Dir.	Force												
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1012.4	27.	-	0	1006.7	+4.	21.	W	2	0.	-	1027.9	27.	F	0
	Gorki ...	1012.4	27.	-	0	1009.3	-1.	25.	S	2	0	-	1028.2	27.	N	0
	Veliki Luki ...	1012.4	28.	-	0	1010.9	*	28.	SE	1	0	-	1028.4	27.	N	0
	Hangö ...	1009.6	23.	-	0	1008.2	-2.	23.	-	0	0	-	1027.8	18.	WSW	2
	Riga ...	1009.0	27.	ESE	2	1004.7	-3.	30.	ENE	2	0	-	1012.8	27.	N	6
	Petrograd ...	1012.7	12.	SW	3	1012.2	0	12.	SE	2	0	-				
	Moscow ...	1014.9	34.	WSW	1	1017.3	+1.	21.	SSW	1	f	-				
	Kiev ...	1010.4	32.	SE	1	1004.7	-4.	32.	E	3	f	-				
	Kharkov ...	1016.0	36.	SE	1											
	Kishinev ...	1003.5	43.	ESE	2	996.6	+4.	43.	E	1	0	-				
MEDITERRANEAN.	Elisabetgrad ...	1010.4	36.	ESE	3	1003.8	-6.	36.	ESE	3	0	-				
	Nicolaiev ...	1009.1	48.	SE	4	1001.7	*	39.	E	2	r	-				
	Odessa ...	1002.7	45.	?	3	1000.4	-3.	42.	SE	3	r	-				
	Tarkhankout ...	1007.0	46.	ESE	4											
	Soukhom ...															
	Venice ...	998.6	45.	-	0	998.7	*	32.	WNW	1	c	-	45	30.		
	Pesaro ...	999.9	37.	W	1	998.4	*	30.	-	0	b	-	46	30.		
	Rome ...	1000.7	43.	-	0	1000.3	*	37.	N	1	0	-	50	36.		
	Viesti ...	992.7	46.	NW	6	1000.1	*	43.	SW	1	b	-	52	43.		
	Brindisi ...	995.7	46.	NW	3	1001.5	*	45.	SE	3	0	-	52	36.		
SWEDEN.	Cagliari ...	1004.4	50.	NW	4	1003.7	*	46.	NW	4	0	-	54	41.		
	Palermo ...	1001.2	48.	SE	4	1004.2	*	48.	ENE	1	0	-	54	42.		
	Tripoli ...					1010.9	*	48.	W	5	b	-	54	41.		
	Algiers ...	1012.3	50.	SW	1	1009.2	+1.	48.	SW	3	bc.	-	55	46.		
	Hernösand ...	1005.2	3	NE	2	1007.7	*	42.	N	1	c	-				
	Stockholm ...	1007.9	16.	ESE	2	1005.0	*	27.	NE	2	S	-				
	Wisby ...	1005.1	30.	NE	2	1009.3	*	34.	NNE	2	0	-				
Hours of Observation G.M.T.																
													Morning.		Evening.	
British Isles ...													7		18	
France ...													7		18	
Norway ...													7		18	
Sweden ...													7		17	
Denmark ...													7		18	
Holland ...													7		18	
Italy ...													7		20	
Egypt ...													6		18	
Corunna ...													7		16	
Madrid ...													8		16	
Lisbon ...													7		21	
Azores ...													8		17	
Madeira ...													7		21	
Malta ...													8		—	
Limassol ...													6		—	

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

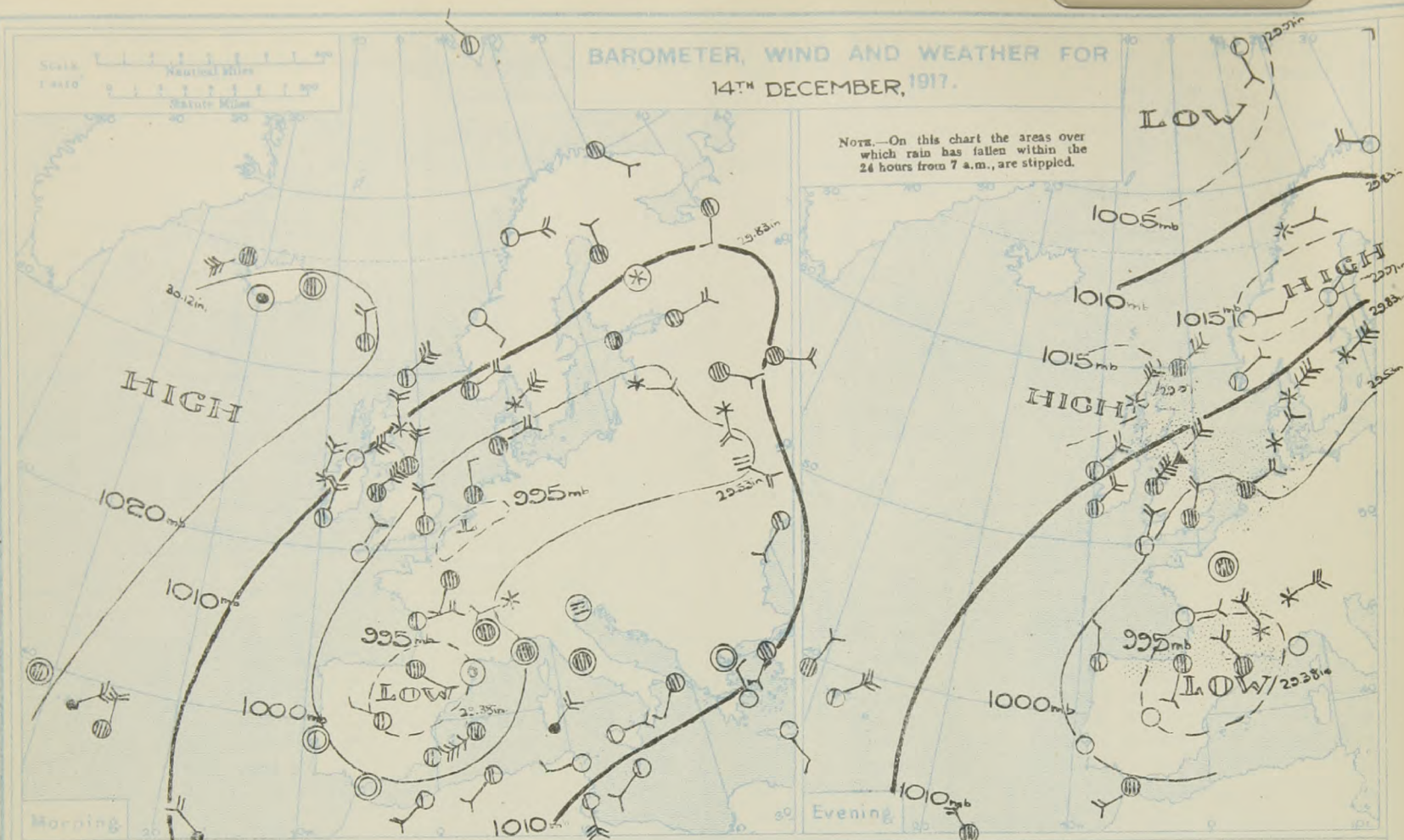
STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night. 1st-9h.	Day. 9h-18h.	Max.	Min.	Forenoon.	Afternoon.			Night. 1st-9h.	Day. 9h-18h.	Max.	Min.	Forenoon.	Afternoon.			
Scotland.		Mm.	Mm.	F.	F.				Mm.	Mm.	° F.	° F.					
	Oban	Trace	-	42	34	c	0	0.0	England, E.	Lowestoft							
	Banff		2	39	30.	bc. bc.	bc. c.	0.9		Felixstowe	3.	1	38	33	o.p.	bc. o.	0.5
	Montrose									Walton-on-Naze							
	Carnoustie	*	*							Southend-on-Sea	1	-	36	33	o. c.	0.	0.1
St. Andrews																	
Eng. N.E.	Harrogate	-	Trace	36	32	c	c. o.	0.5	England, S.E.	Margate	3.	1	40	34.	or	0.	0.0
	Skegness	Trace	3.	38	34.	our.	op.	0.0		Ramsgate	5	Trace	42	32	rd	2.0	0.0
Eng. N.W.	Morecambe									Hastings	-	2	37	34.	o. bc	0.0	0.2
	Southport									Eastbourne	-	3	39	35.			0.9
Midlands.										Seaford	*	*	38	34.	o. bc	0	1.9
	Leamington Spa									Brighton	Trace	Trace	38	34.	c	c. or.	2.6
	Malvern									Worthing	Trace	1	39	34.	b. bc.	od. r.	3.0
	Ross-on-Wye									Littlehampton	1	Trace	38	34.	o. bc	bc. o.	1.5
										Bognor	*	*	42	34.	beps	bc. o.	2.6
Wales.									Bournemouth	-	-	39	32	b	b	6.4	
	Leamington Spa								England, S.W.	Weymouth	*	*					
	Malvern									Torquay							
	Ross-on-Wye									Paignton	*	*	42	30.	b	b	4.7
	Rhyl									Penzance	2	5	41	37.	crh.	crh.	0.3
Colwyn Bay	*	*								Newquay							
Llandudno	*	*								Bude							
Aberystwyth	*	*	38	33.	sr. c.	bc. c.	5.2		Ilfracombe								
Tenby	*	*							Weston-s-Mare								

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

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

Monday
15th January

‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay (1)

Moderate winds from between East and North-East, fresh at times on coast; cloudy, some snow; cold.

Light or moderate Easterly winds; cloudy, some snow; cold.

Moderate North-Easterly or Easterly winds, fresh at times; cloudy, some snow; cold.

Same as No. 5.

Same as Nos. 6 and 7.

Light or moderate Easterly winds; slight sea; fair, some snow showers.

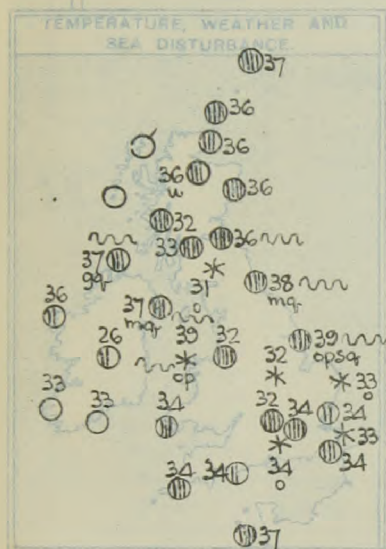
FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF MONDAY, 15TH

JANUARY, 1917.

GENERAL INFERENCE.

The North-Easterly or Easterly type of conditions is likely to continue.



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:—

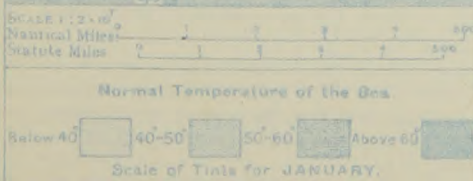
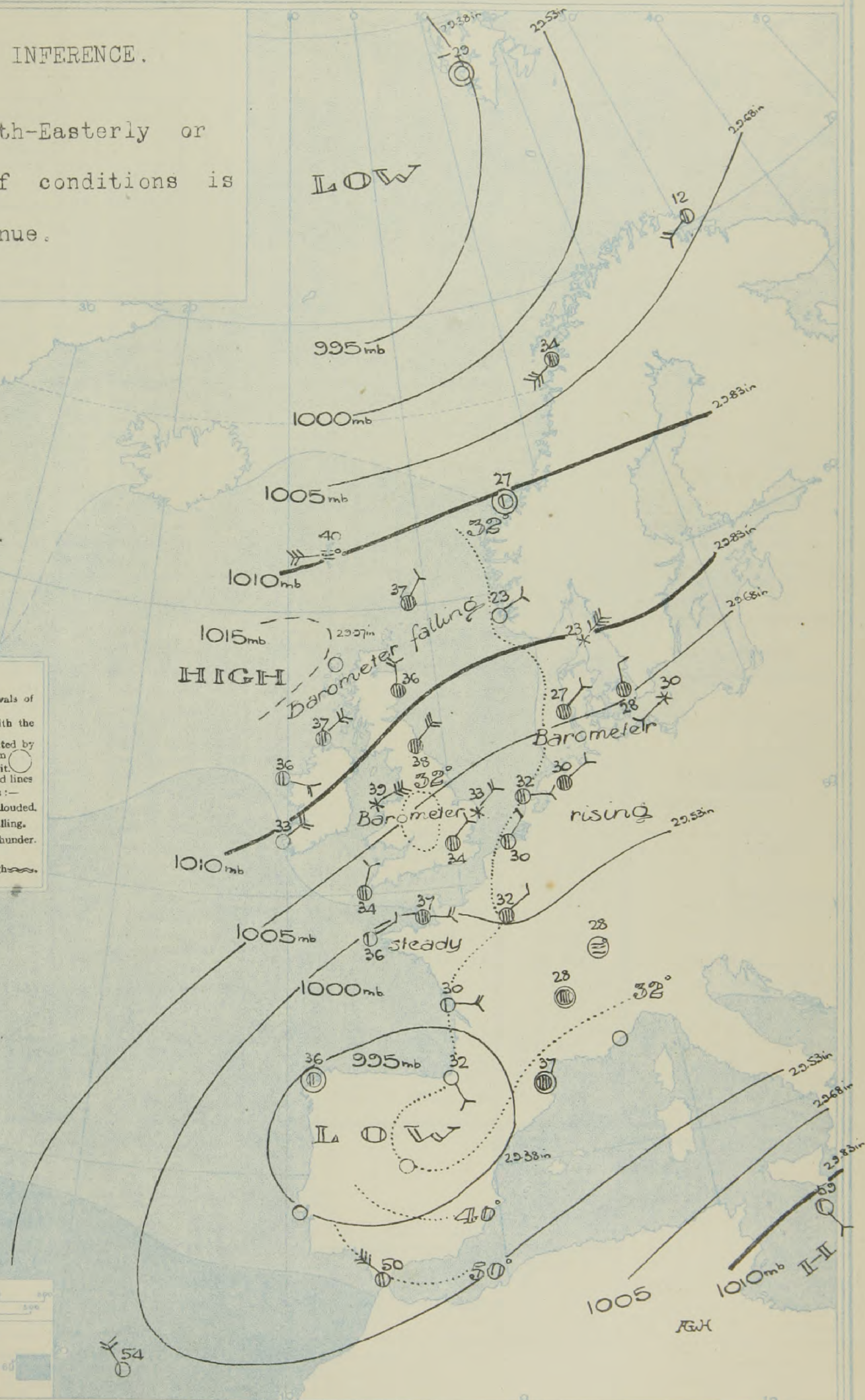
○ clear sky. ○ sky & clouded. ○ sky & clouded.

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

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

R, thunderstorm.

SEA DISTURBANCE.—Rough. High.



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.				PAST 24 HOURS.				MORNING.			
	Barom. Millibars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	WIND.	Force 0-12.	Weather.	Rain- fall. Milli- metres.	Temp. °F.	Max.	Min.
			Dir.	Force 0-12.												
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1011.0	14	WNW	2	0		1011.9	0	14	-7	SSW	1	C	—	*
	Gorki ...	1006.3	32	SE	1	0		1002.7	0	32	+7	S	3	S	—	*
	Veliki Luki ...	1006.3	32	SE	1	0		1002.7	0	32	+4	SE	2	0	—	19
	Hangö ...	1004.7	25	ESE	2	0		1001.2	0	25	+2	ESE	1	0	—	1
	Riga ...	1000.3	32	ESE	2	0		998.1	0	34	+4	ESE	2	S	—	30
	Petrograd ...	1009.1	23	E	2	0		1004.2	-3	28	+16	E	3	0	2	28
	Moscow ...	1015.3	27	ESE	3	0		1011.8	+2	27	+6	S.E.	3	0	—	25
	Kiev ...	1000.8	34	SE	3	f		999.3	-3	34	+2	SE	3	f	—	32
	Kharkov ...	1009.3	34	SE	3	0		1009.0	0	36		SSE	2	f	—	32
	Kishinev ...	1001.9	37	ESE	3	0		1003.0	0	37	+1	S	2	b	—	36
	Elisabetgrad ...	1002.7	43	SE	2	b		1005.5	0	41	+2	SW	2	bc	2	39
	Nicolaiev ...	1000.8	43	SE	4	0		1005.9	0	43	0	WSW	3	b	2	?
MEDITERRANEAN.	Tarkhankout ...	1004.3	50	S	7	b		1000.8	0	50		S	5	b	—	?
	Soukhoum ...	1000.2	36	W	1	r		1003.0	0	32	0	WSW	1	f	7	39
	Venice ...	999.7	41	SW	1	0		1003.0	0	34	+2	SW	1	C	Trace	50
	Pesaro ...	1001.9	46	SE	1	bc		1002.8	0	46	+9	SE	1	0	11	52
	Rome ...	999.9	45	WSW	1	b		1004.7	0	50	+7	SE	2	0	—	50
	Viesti ...	1004.3	48	SE	1	c		1007.0	0	48	+3	SW	1	c	—	64
	Brindisi ...	1003.6	52	NNE	4	r		1003.7	0	48	+2	NNE	4	r	6	57
	Cagliari ...	1005.3	50	ESE	3	b		1006.4	0	50	+2	E	2	b	2	57
SWEDEN.	Palermo ...	1012.0	50	WSW	2	b		1012.0	0	50	+2	WSW	2	b	—	63
	Tripoli ...	1001.5	54	SW	3	b		1001.5	+3	52	+4	SW	2	bc	Trace	59
	Algiers ...	1004.6	18	N	2	c		1015.4	0	7	-5	NE	2	b	—	—
	Hernösand ...	1004.3	28	NE	2	0		1003.5	0	27	0	NE	6	S	—	—
ISLAND.	Stockholm ...	999.5	24	NE	2	0		1000.7	0	34	0	NE	2	0	—	—
	Wisby ...	1018.6	41	+14	SW	6	0									
Hours of Observation G.M.T.																
													Morning.		Evening.	
British Isles ...													h.		h.	
France ...													7		18	
Norway ...													7		18	
Sweden ...													7		17	
Denmark ...													7		18	
Holland ...													7		18	
Italy ...													7		20	
Egypt ...													6		18	
Corunna ...													7		16	
Madrid ...													8		16	
Lisbon ...													7		21	
Azores ...													8		17	
Madeira ...													7		21	
Malta ...													8		—	
Limassol ...													6		—	

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night. 12h-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 12h-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			
	Mm.	Mm.	F	F			Hr.		Mm.	Mm.	F	F			Hr.		
Scotland.	Oban	—	—	37	34	bep.s	bep.s	1.5	England, E.	Lowestoft	—	—	37	30	bc	bc	4.4
	Banff	1	—	38	33	c.o	ophs	0.0		Felixstowe	1	—	37	30	bc	bc	4.4
	Montrose	—	—	—	—	—	—	—		Walton-on-Naze	—	—	—	—	—	—	—
	Carnoustie	*	*	—	—	—	—	—		Southend-on-Sea	Trace	—	37	31	c.c.bc	b.c.c.o	0.1
	St. Andrews	—	—	—	—	—	—	—									
Eng. N.E.	Harrogate	4	2	32	30	spo	spo.s	0.0	England, S.E.	Margate	—	—	—	—	—	—	—
	Skegness	3	1	38	33	c.bc.sh	b.shp	2.0		Ramsgate	2	Trace	38	33	o.c	bc.c	1.6
								Hastings		—	—	38	33	o.b.bc	bc	3.0	
								Eastbourne		1	—	40	33	o	bc	3.1	
								Seaford		*	*	—	—	—	—	—	
								Brighton		—	—	—	—	—	—	—	
								Worthing		—	—	38	33	bc	o	1.4	
								Littlehampton		1	—	37	33	o.bc	bc.o	2.1	
								Bognor		*	*	—	—	—	—	—	
								Bournemouth	—	—	39	32	c	c	3.3		
Midlands.	Leamington Spa	—	—	—	—	—	—	—	England, S.W.	Weymouth	*	*	—	—	—	—	—
	Malvern	—	—	—	—	—	—	—		Torquay	—	—	42	30	c	c	2.8
	Ross-on-Wye	—	—	—	—	—	—	—		Paignton	*	*	—	—	—	—	—
Wales.	Rhyl	—	—	38	33	c	gc	0.1		Penzance	—	—	—	—	—	—	—
	Colwyn Bay	*	*	40	37	bc	bc	0.0		Newquay	—	—	39	32	bc	bc	5.4
	Llandudno	*	*	41	37	c	c	0.0		Bude	—	—	—	—	—	—	—
	Aberystwyth	*	*	37	31	h.c	h.c	3.5		Ilfracombe	—	—	—	—	—	—	—
	Tenby	—	—	—	—	—	—	—		Weston-s-Mare	—	—	—	—	—	—	—

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

15 th & 16 th January 1917.			
	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.59	12.2	4.5
Greenwich ...	8.1	12.9	4.17
Wick ...	8.53	12.21	3.50
Valencia ...	8.44	12.50	4.56

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

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 16

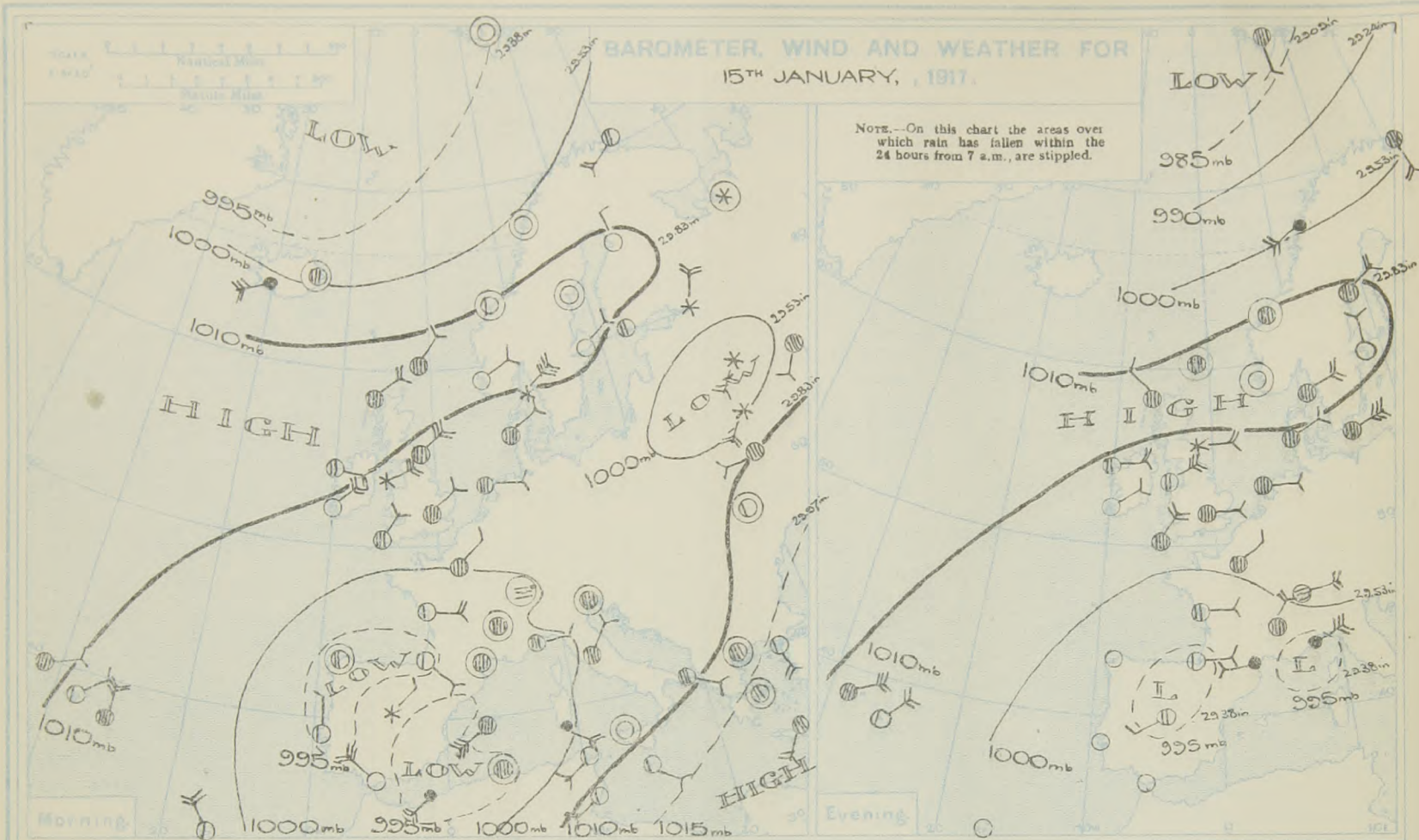
Tuesday
16th January

STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.					Sun- shine for Yester- day. Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.	WIND.		Direc. of Upper Cloud	Weather.	Sea 0-9.	Rain- fall Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12						Direc.	Force 0-12					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.																						
Lerwick	1010.7	36	-	0	0	1008.0	0	36	-1	SSW	3	-	0	2	0.2	37	34	0	0	0	*	
Deerness (Orkney)	1010.8	36	-	0	0	1009.1	*	35	+1	WSW	2	-	0	2	-	38	34	00	00	0	0.2	
Stornoway																						
Castlebay (Barra Isd.)																						
Glasgow	1009.7	32	NE	3	b	1007.8	0	32	-1	NE	2	-	0	*	Trace	35	31	og	ocb	bc.osp	0.0	
Eskdalemuir	1008.7	31	NNE	5	os	1007.5	0	30	-1	NW	3	-	0	*	-	33	29	osbos	oos	osco	0.5	
Malin Head	1009.0	38	ENE	4	cy	1006.4	-1	37	0	NE	3	NE	bcg	5	-	39	36	c	cv	bcg	0.2	
Blacksod Point	1008.3	35	E	3	bc	1006.9	-1	34	-2	E	2	E	cm	2	-	37	33	cg	cg	omcm	*	
Valencia	1007.2	34	ENE	2	b	1004.0	+1	32	-1	NE	1	-	b	3	-	37	31	cg	cg	b	6.5	
Roche's Point	1005.3	34	N	3	0	1004.5	*	32	-1	NNE	1	-	0	1	1	38	30	b.bco	0	osbos	*	
Birr Castle	1006.6	34	N	1	0	1005.9	*	30	+4	N	1	-	0	*	1	36	24	c	co	osco	3.2	
Donaghadee	1007.4	38	E	5	c	1006.5	0	34	-3	S	1	-	ogmps	1	0.1	39	33	bc.m	bc.m	ogmon	*	
Liverpool (Bidston)	1005.6	34	NE	3	0	1005.6	-1	31	-1	-	0	-	og	1	1	34	28	os	oc	0	0.0	
Holyhead	1005.0	36	ENE	5	bc	1005.3	0	34	-5	E	4	-	bcm	4	3	39	31	opsc	opsc	bc.bx	0.0	
Pembroke (St. Ann's)	1003.4	34	NNE	3	b	1004.1	+1	29	-5	NNE	3	-	b	2	-	36	*	co	debe		0.0	
Scilly (St. Mary's)																						
Falmouth	1001.0	35	NNE	4	cg	1001.5	+1	34	0	NE	4	-	0	*	4	38	32	cpcoc	cgcoz	abot	1.1	
Jersey (St. Aubin)	1000.8	36	E	3	c	1000.2	*	33	-4	E	3	E	bm	2	-	39	31	bc.b	bc	bxm	5.0	
Portland Bill	1009.0	34	ENE	6	os	1001.2	0	32	-2	ENE	5	-	bx	4	1	36	32	bc.c	cos	oscb	*	
Dungeness	1002.2	36	E	2	b	999.9	-2	35	+1	ESE	3	-	0	2	1	38	37	bc	bc	bc.pco	*	
Dover	1003.8	35	SE	1	c	1000.7	0	34	+1	NE	2	NE	0	4	1	37	33	cbo	bc.c	copo	4.7	
Wick	1011.0	34	-	0	m	1008.7	-1	32	-4	WNW	1	-	0	3	1	39	31	combg	omb	comg	*	
Nairn	1010.6	33	-	0	oug	1008.1	*	28	-8	-	0	-	bc	1	0.1	36	27	cg	oprs	ogc	0.0	
Aberdeen	1010.9	36	E	3	0	1008.7	-1	33	-3	NW	2	-	c	3	1	37	33	o	o	ocap	0.0	
Leith	1009.2	37	E	2	c	1007.8	0	35	-1	NE	2	-	r	3	3	38	33	oupo	ocuo	coror	*	
Tynemouth	1007.2	35	E	3	ogps	1006.4	0	33	-5	NNW	2	-	oms	3	3	38	33	ogps	ogps	omps	*	
Spurn Head	1005.4	35	E	4	bcqps	1005.7	0	34	-5	ESE	4	-	os	5	7	37	31	cphs	ogpbc	cops	0.0	
Yarmouth	1004.5	37	SE	3	bc	1002.2	-1	35	+2	E	5	-	0	5	5	40	32	osbcp	bc.os	bc.gog	0.0	
Clacton-on-Sea	1003.5	34	NNW	2	bc	1001.1	-2	35	+3	NE	3	-	s	2	7	35	31	cosog	ocg.be	babos	0.7	
Nottingham	1005.5	30	ENE	1	om	1004.4	*	31	-1	NE	1	NE	s	*	1	33	24	ocg	som	ocm	0.6	
Benson (Oxon.)	1003.4	32	NE	1	0	1002.4	-1	30	-2	NE	3	-	s	*	Trace	34	28	obc	o	o.os	*	
Sth Farnborough	1002.8	33	ENE	3	0	1001.6	-2	32	0	N	2	-	s	*	0.2	35	28	so	sogorso	obxos	0.0	
London (Kew Obsy.)	1003.9	35	E	2	om	1001.8	-1	33	-1	NE	4	-	osm	*	0.2	34	30	omps	om	om.ofa	0.0	
NORTHERN EUROPE.																						
Spitsbergen	982.0	-13	S	2	0	968.8	+3	21	+50	S	6	*	s	*	*	-13	-49					
Vardö	997.2	16	S	3	0	987.7	-4	21	+9	WSW	5	-	0	4	*	23	14					
Bodö	999.0	37	SW	4	r	997.1	0	44	+7	SW	8	-	0	5	-	?	?					
Christiansund	1010.0	37	-	0	0	1009.0	0	36	+9	WSW	3	-	c	3	-	37	21					
Skudesnaes	1018.5	23	-	0	b	1012.7	-2	23	0	NW	2	-	b	1	-	28	19					
Færder (X'tania Fjord)	1016.4	19	E	4	b	1015.0	-1	18	+2	N	4	-	f	2	-	19	16					
The Scau (Skagen)	1012.2	27	ENE	4	0	1013.2	-1	25	+2	E	2	E	b	2	-	28	23					
Blaavands Huk	1010.0	28	ENE	2	0	1008.6	-1	28	+1	ESE	2	-	0	3	3	30	25					
Copenhagen	1009.7	30	ENE	4	0	1009.6	-1	30	0	E	4	-	c	*	-	30	28					
Bornholm	1007.8	34	ENE	6	0	1008.4	-1	32	+2	ENE	7	-	0	2	2	?	28					
FRANCE, &c.																						
The Helder	1006.1	30	E	2	0	1003.5	-1	28	-4	WNW	4	-	0	2	-	34	28					
C. Gris Nez	1002.1	31	E	3	b	994.6	-1	28	-2	E	3	*	b	1	-	39	28					
La Hève	?	32	SE	3	m	?	*	28	*	ENE	1	*	s	2	-	36	27					
Brest (St. Mathieu)	1000.3	34	E	3	0	1000.0	0	32	-4	E	3	*	b	2	-	41	30					
Rochefort (Ile d'Aix)	997.7	32	E	2	bc	997.2	0	30	0	R	4	*	0	*	-	36	28					
Biarritz	994.4	37	E	2	b	995.4	+1	37	+5	SSR	2	*	b	2	-	43	32					
Paris	1001.9	32	NE	1	c	997.6	-1	30	-2	NNE	2	-	0	*	-	34	28					
Belfort	1002.0	28	E	4	m	993.3	*	26	-2	E	7	*	m	*	-	36	22					
Lyons	999.0	30	NNE	2	0	993.5	*	30	+2	NW	4	*	0	*	-	37	28					
Nice	994.6	37	E	5	r	995.4	-1	38	+1	WSW	2	*	0	7	25	46	34					
Perpignan	993.2	39	W	2	r	994.9	-4	30	-7	-	0	*	b	*	2	43	?					
Sanguinaire	*	50	E	4	0	*	*	48	0	E	2	*	0	6	2	70	43					
SOUTHERN STATIONS.																						
Corunna																						
Madrid	995.7	38	WSW	1	bc	1001.3	+4	27	-5	-	0	-	m	*	-	38	27					
Lisbon																						
Azores (Horta)		*																				
Madeira																						
Gibraltar																						
Malta		*	*	*	*																	
Limassol		*	*	*	*	1018.6	0	50	+4	N	1	-	b	3	-	66	43					
Alexandria	1018.6	61	NE	2	b	1017.9	0	63		NE	1	E	b	*	-	68	57					
Cairo (Helwan)	1016.0	61	NE	4	b	1015.0	+2	57		NE	5	-	b	*	-	70	55					
24 HOURS ENDED 9 h. TO DAY.																						
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for Yester- day. Hours.	TEMPERATURE.							WEATHER.			SOUTH KENSINGTON.			Vertical Component of Solar Radiation per square Centimetre during Yesterday.			Sun- shine for Yester- day. Hours.	
		15 h. Yester- day.	9 h. To-day.		Max.	Min.	Min. on Grass.	Rain- fall.	Morn- ing.	After- noon.	Night.											Total.
GREENWICH (Royal Observatory)	90	93	0.0	35	30	24	0.04	0	0	0	os	Total.			Average Rate.			Max. Rate.				Sun- shine for Yester- day. Hours.
CITY (Bunhill Row)	*	*	*	*	*	*	*	*	*	*	*	Joules.			Milliwatts.			Milliwatts.				
WESTMINSTER (St. James's Park)	81	98	0.0	36	31	30	1.0	org	g	bos	*	66			2.2			6.5				
CAMDEN SQ. (British Rainfall)	87	97	0.0	35	29	25	0.04	0	0	0	*	Temperatures at Greenwich and Cam- den Square are from Gladstone screens.										
HAMPSTEAD (Reservoir)	*	96	0.1	33	27	2																

RAINFALL.

Equivalents of Millimetres
in Inches.

mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.11
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
19	0.75	44	1.73
20	0.79	45	1.77
21	0.83	46	1.81
22	0.87	47	1.85
23	0.91	48	1.89
24	0.95	49	1.93
25	0.98	50	1.97



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay

Wind light variable; cloudy generally, some snow locally; temperature low.

Wind mainly between East and North-East, light or moderate; much cloud, some snow showers, mist locally; temperature rather low.

Same as Nos. 0 and 1.

Same as Nos. 2 to 5.

Wind light, between East and North; variable sky, some snow; rather low temperature.

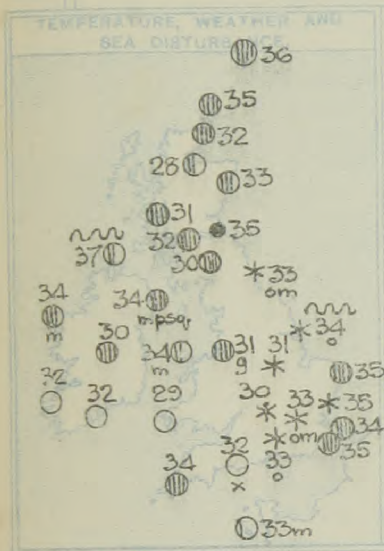
North-Easterly winds, moderate; sea moderate or slight; variable weather.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF TUESDAY, 16TH JANUARY, 1917.

GENERAL INFERENCE.

There are no definite indications of any important change in the general type of conditions.



EXPLANATION.

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

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

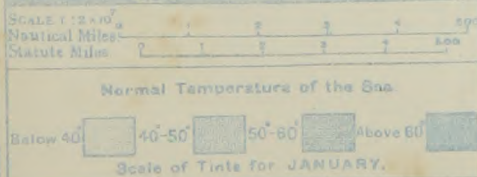
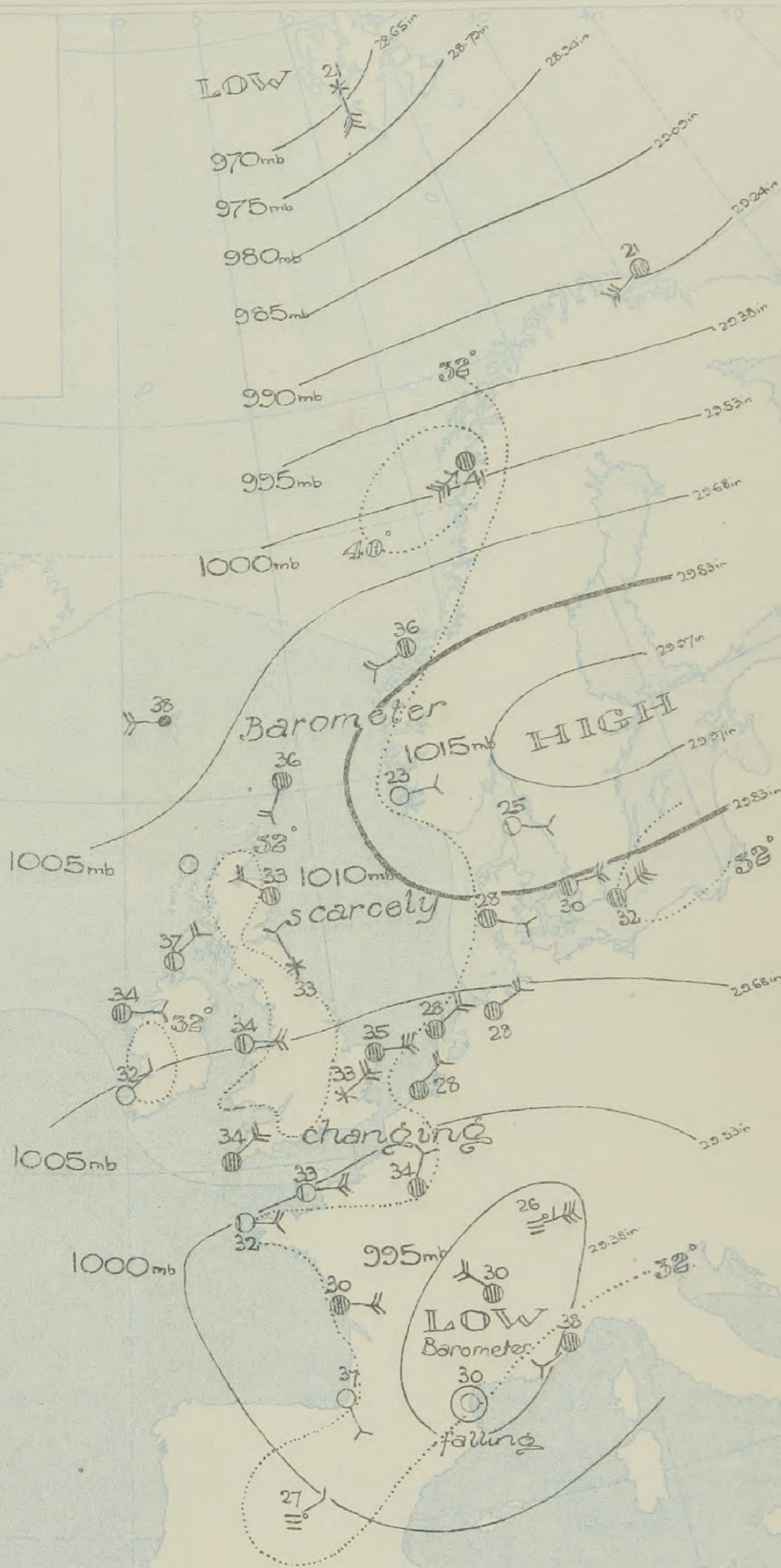
Force, on the scale 0-12, is indicated by the number of feathers. Calm.

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

WEATHER.—Shown by the following symbols:—

○ clear sky. ○ sky ½ clouded. ○ sky ¾ clouded.
 ○ sky ¾ clouded. ○ overcast sky. ○ rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.
 R, thunderstorm.

SEA DISTURBANCE.—Rough. High.



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.							PAST 24 HOURS.			MORNING.							
	Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.
			Dir.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.	
		° F.						° F.	° F.					° F.	° F.			° F.	° F.			
RUSSIA 7 a.m. and 0 p.m. Local Time.																						
Archangel ...	1006.6	14	—	0	S	1004.7	0	12	-2	—	0	0	—	*	*	Isafjord ...						
Gorki ...	998.7	32	S	1	S	999.3	0	30	-2	SW	4	S	6	*	19	Reykjavik	1003.5	34	-2	W	4	C
Velieki Luki ...	998.0	32	—	0	S	999.0	*	34	+2	SW	3	S	15	*	32	Vestmanna	1002.4	36	+4	WSW	5	C
Hangö ...	1002.3	23	NNE	1	S	1007.3	+4	10	-15	NNE	1	bc	1	*	9	Seydisfjord	996.3	46	+14	—	0	C
Riga ...	997.3	30	—	0	f	1000.7	+2	32	-2	—	0	f	5	*	30	Thorshavn	1009.0	40	+11	W	5	m
Petrograd ...	999.9	28	S	3	0	1001.3	+2	19	-9	NNE	4	S	39	28	19							
Moscow ...	1004.7	34	SE	3	0	1000.4	-3	34	+7	SW	2	0	—	*	27							
Kiev ...	1008.0	32	W	3	b	1010.0	+2	30	-4	W	2	0	—	*	28							
Kharkov ...	1011.3	36	S	1	f	1012.8	+1	28	-8	—	0	0	—	*	28							
Kishinev ...	1009.7	37	—	0	b	1010.4	0	32	—	—	0	0	—	*	32							
Elisabetgrad ...	1010.6	36	—	0	b	1012.3	+1	34	-3	NNE	2	0	—	*	27							
Nicolaiev ...	1011.3	39	—	0	b	1013.2	*	34	-7	SW	2	f	—	*	34							
Odessa ...	1011.5	41	WSW	2	b	1012.7	0	39	-4	SW	2	bc	—	*	37							
Tarkhankout...	1027.9	48	WSW	2	b	1014.4	*	49	-1	SSW	3	bc	—	*	45							
Soukhom ...	1013.7	54	NNW	3	0	1017.0	+2	50	-2	ENE	2	0	1	*	48							
MEDITERRANEAN.																						
Venice ...	998.2	39	ESE	2	cl	1000.2	*	43	+11	W	1	0	19	45	32							
Pesaro ...	998.6	48	SW	3	0	1000.4	*	46	+12	WSW	2	0	Trace	50	34							
Rome ...	1003.3	52	SE	2	0	1001.7	*	55	+9	NNE	2	0	2	55	46							
Viesti ...	1006.7	52	SSE	2	b	1008.9	*	52	+2	SE	1	C	—	55	43							
Brindisi ...	1008.9	52	SW	2	b	1008.9	*	55	+7	SE	2	C	—	59	48							
Cagliari ...	1002.2	55	SSW	4	bc	999.6	*	48	0	SE	4	C	4	59	45							
Palermo ...							*															
Tripoli ...							*															
Algiers ...	999.5	54	—	0	b	994.6	-5	52	0	—	0	0	—	64	50							
SWEDEN.																						
Hernösand ...	1015.4	7	NE	2	b	1015.3	*	2	-5	—	0	b	*	*	*							
Stockholm ...	1003.8	27	NE	6	S	1011.0	*	18	-9	NE	2	b	*	*	*							
Wisby ...	1000.7	34	NE	2	0	1006.3	*	30	-4	NNE	2	0	*	*	*							

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	h.	h.
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	—
Limassol ...	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night, 12h-2h.	Day, 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night, 12h-2h.	Day, 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			
Scotland.	Oban	—	—	37	31	c	c	0.3	England, E.	Lowestoft	2	1	38	32	ops c	aops.c	0.2
	Banff	—	—	39	34	c	c	0.0		Felixstowe	—	—	37	32	bc.s	bc.s	1.8
	Montrose	—	—	—	—	—	—	—		Walton-on-Naze	—	—	—	—	—	—	—
	Carnoustie	×	×	—	—	—	—	—		Southend-on-Sea	3	1	34	31	S.o.c.bc	c.o	0.7
	St. Andrews	1	—	38	33	o	c	0.0		—	—	—	—	—	—	—	—
Eng. N.E.	Harrogate	4	1	32	29	sp o	osp	0.0	England, S.E.	Margate	11	2	36	32	os	c	0.0
	Skegness	1	1	37	31	o cps	o cps	0.8		Ramsgate	2	5	35	31	o	c.o	0.2
Eng. N.W.	Morecambe	—	TRACE	36	33	—	—	0.2		Hastings	TRACE	—	37	32	os .bc.b	bc	2.1
	Southport	1	1	33	30	os.o	o.c.bc	0.0		Eastbourne	—	—	39	32	c .bc	bc.c	2.6
	—	—	—	—	—	—	—	—		Seaford	—	—	37	31	o	b	3.3
Midlands.	Leamington Spa	—	TRACE	36	33	—	—	0.2		Brighton	—	—	—	—	—	—	—
	Malvern	—	—	—	—	—	—	—		Worthing	—	—	36	33	o .bc	bc .b	1.3
	Ross-on-Wye	—	TRACE	34	32	x .o	osmp	0.0		Littlehampton	—	—	35	32	o .bc	bc.o	2.1
Wales.	Rhyl	TRACE	1	38	33	cp	cp	0.0		England, S.W.	Bognor	—	—	38	33	bc	bc	2.6
	Colwyn Bay	—	—	36	34	cs	bc	0.0	Bournemouth		—	—	35	30	o	b	0.1
	Llandudno	—	—	38	35	s	c	0.0	Weymouth		—	—	35	32	a.c.bc	c.os	0.3
	Aberystwyth	—	—	36	31	o.c	c.o	0.2	Torquay		—	—	37	34	o.c.o	op	0.3
	Tenby	—	—	—	—	—	—	—	Paignton		—	—	—	—	—	—	—

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

16 th 17 th January 1917.	Sunrise	Noon	Sunset
Yarmouth ...	G.M.T. 7.58	G.M.T. 12.3	G.M.T. 4.7
Greenwich ...	7.57	12.3	4.9
Wick ...	8.1	12.10	4.19
Valencia ...	8.52	12.22	3.52
	8.50	12.22	3.54
	8.43	12.51	4.58
	8.42	12.51	5.0

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 40° very generally, below 35° at several stations. Snow fell in most localities, but was not heavy. As a rule there was little bright sunshine, but Seaford recorded 3.3 hours, Dover 4.7 hours, Jersey 5 hours, and Valencia 6.5 hours.

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

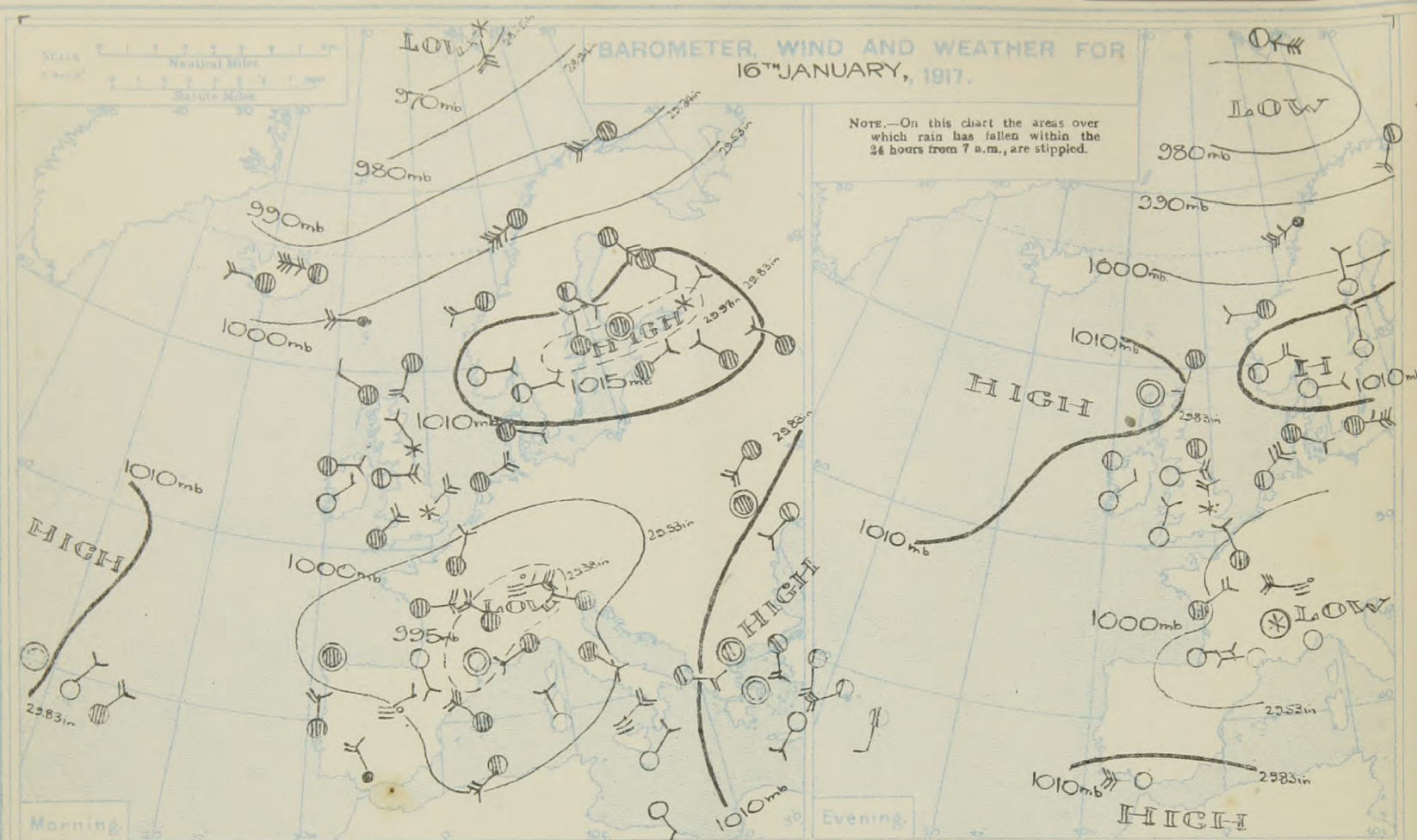
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STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.					Sun- shine for Yester- day.
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer		Temp.		WIND.		Direc. of Upper Cloud	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
			Dir.	Force		Milli- bars at M.S.L.	Change in 24 hours.	Dir.	Force	Dir.	Force					Max.	Min.	Morning.	Afternoon.	Night.	
Lerwick ...	1009.5	37	SSW	1	om	1014.3	+1	38	+2	-	0	-	o	-	4	39	34	o	bco	bco	*
Deerness (Orkney) ...	1010.1	35	NW	2	cx	1015.2	*	35	0	-	0	-	b	1	-	37	33	ocbc	bc.c	c.bc	0.0
Stornoway ...																					
Castlebay (Barra Isd.) ...																					
Glasgow ...	1009.4	34	NE	1	o	1014.6	+3	31	-1	NE	1	-	o	*	Trace	34	29	ospo	oco	ohp.	0.0
Eskdalemuir ...	1009.6	26	-	0	bc	1013.6	+4	32	+2	NNW	3	-	o	*	-	32	25	o	ocbc	o	0.0
Malin Head ...	1008.5	34	SE	2	cm	1012.8	+2	35	-2	SW	2	-	oms	2	1	39	33	c	am	om	0.0
Blacksod Point ...	1008.3	34	-	0	bc	1012.2	+2	33	-1	-	0	-	bc	1	-	36	32	cm	c3	bcbc	*
Valencia ...	1007.5	31	NE	1	b	1011.8	+1	30	-2	ENE	2	-	b	3	-	37	26	b3	b3	b3b	6.5
Roche's Point ...	1007.6	31	NNE	2	b	1012.1	*	29	-3	NNE	2	-	b	1	0.1	36	28	c	cbmx	bx	*
Birr Castle ...	1008.7	26	-	0	m	1013.3	*	25	-5	NW	1	-	m	*	-	30	25	f	f	f	0.0
Donaghadee ...	1007.8	37	NE	2	bcm	1012.2	+4	36	+2	E	2	-	b3	2	0.2	38	33	cmph	bcm	ogmb3	*
Liverpool (Bidston) ...	1007.2	33	NE	2	m	1011.1	+2	33	+2	NNE	1	-	o	1	-	35	30	o	oc	om	0.1
Holyhead ...	1007.0	36	E	4	bcm	1011.3	+2	37	+3	E	4	-	om	3	Trace	38	30	bcm	cbcbm	dxom	0.0
Pembroke (St. Ann's) ...	1006.5	34	NE	2	c	1010.8	+2	31	+2	E	1	-	b	2	-	35	?	b	b	b	5.9
Scilly (St. Mary's) ...																					
Falmouth ...	1005.2	31	NNE	2	b3x	1010.3	+3	28	-6	NNE	1	-	bx	*	Trace	36	25	opsch	bcox	b3bx	2.7
Jersey (St. Aubin) ...	1001.4	39	NNE	2	om	1006.9	*	38	+5	N	3	-	ogmb	2	Trace	40	32	cobm	bcom	come	2.3
Portland Bill ...	1002.8	34	NE	4	bc	1007.3	+3	33	+1	N	4	2	ox	2	-	35	32	bc.c	c.bc	bc.c	*
Dungeness ...	1008.4	34	NNE	3	bc	1002.3	+1	36	+1	NE	5	NE	eq	4	1	37	36	cs	csc	papsc	*
Dover ...	1001.4	34	NE	4	s	1004.4	-5	35	+1	NE	5	NE	o	4	2	36	32	ops	ops	opsor	0.1
Wick ...	1009.7	32	WNW	1	c	1013.0	+2	32	0	W	1	-	bc	3	1	36	28	oc3	c3	bcmph	*
Nairn ...	1010.3	29	-	0	bcm	1015.2	*	31	+3	-	0	-	og	1	0.2	31	26	bcm	bcm	bccg	0.1
Aberdeen ...	1009.8	34	NW	2	osp	1014.5	+2	34	+1	WNW	3	-	o	2	3	36	33	obc	cosp	osp	1.3
Leith ...	1008.5	34	NE	1	r	1013.4	+1	36	+1	E	1	-	o	3	3	36	33	rocs	orsr	rsrs	*
Tynemouth ...	1007.4	36	-	0	cm	1011.7	+2	38	+5	E	3	NE	bcq	3	1	39	33	cmbs	cm	cp	*
Spurn Head ...	1005.5	35	E	4	ophs	1009.1	+1	36	+2	ENE	5	-	cq	5	6	37	32	ogs	ophs	ocp	0.0
Yarmouth ...	1002.6	36	E	5	o	1005.6	+2	35	0	ENE	6	-	bcmq	6	-	39	34	ops	o	cmq	0.0
Clacton-on-Sea ...	1001.3	34	NNW	3	c	1005.4	+3	35	0	NNE	3	2	c	2	6	36	33	ocs	opsc	c	0.0
Nottingham ...	1005.4	33	N	3	o	1009.3	+3	34	+3	NNE	3	2	o	*	1	35	30	soc	cops	oc	0.4
Benson (Oxon.) ...	1003.7	33	NE	4	o	1007.7	+3	33	+3	N	2	-	o	*	0.3	34	30	osbco	o	os	*
Sth Farnborough ...	1002.6	32	N	3	c	1006.5	+2	34	+2	N	3	-	o	*	1	34	31	os	osbcbac	cboso	0.8
London (Kew Obs.) ...	1002.9	34	N	3	oms	1007.1	+3	35	+2	NNE	4	-	o	*	2	35	32	omsmom	omsmom	omsm	1.3
Spitsbergen ...	982.4	10	ESE	8	b	997.3	+2	-40	-61	ESE	5	*	b	*	*	14	-44				
Vardø ...	982.9	30	SSW	4	bc	992.3	+16	16	-5	NW	4	*	o	*	*	30	21				
Bodø ...	994.3	37	SW	8	r	1006.1	+5	30	-11	N	3	-	c	2	?	41	28				
Christiansund ...	1008.3	36	W	2	c	1014.3	+4	37	+1	NNE	3	-	o	4	2	39	28				
Skudesnaes ...	1012.4	25	ENE	3	b	1013.1	0	19	-4	-	0	-	b	1	-	28	18				
Færder (Xania Fjord) ...	1013.7	21	N	1	o	1015.4	+1	14	-4	NNE	2	-	f	1	-	21	14				
The Scaw (Skagen) ...	1013.0	25	E	2	b	1013.0	0	21	-4	ENE	4	-	o	4	-	28	21				
Blaavands Huk ...	1008.4	28	ESE	2	o	1008.3	+1	27	-1	NE	3	-	o	3	-	32	25				
Copenhagen ...	1008.2	30	ENE	6	o	1006.7	-1	30	0	NE	6	-	s	*	1	30	28				
Bornholm ...	1006.4	36	E	7	o	1004.4	+1	32	0	E	10	-	m	*	1	32	28				
The Helder ...	1002.2	34	NE	5	bc	1004.2	+2	36	+8	NNE	4	-	o	3	-	36	28				
C. Gus Nez ...	999.9	34	E	2	o	1002.4	+2	37	+9	NE	5	*	o	4	2	41	28				
La Hève ...	?	32	-	0	m	?	*	33	15	NE	5	*	bc	2	4	34	28				
Brest (St. Mathieu) ...	1002.9	33	NE	2	bc	1009.2	+3	37	+5	NE	2	*	c	1	-	37	32				
Rochefort (Ile d'Aix) ...	1000.6	32	ENE	3	o	1006.3	+2	30	0	NE	2	*	bc	*	-	32	30				
Biarritz ...	997.9	39	E	1	b	1003.9	+4	39	+2	N	2	*	r	3	12	48	37				
Paris ...	999.7	34	NNW	2	o	1001.3	*	30	0	N	2	*	s	*	1	34	30				
Belfort ...	998.1	28	WNW	5	m	1003.3	*	27	+1	W	4	*	m	*	-	28	27				
Lyons ...	1000.2	29	-	0	s	1003.9	*	27	-3	NW	2	*	o	*	3	33	25				
Nice ...																					
Perpignan ...	998.1	39	W	2	b	1002.6	+8	39	+9	NW	3	-	b	*	-	46	30				
Sanguinaire ...	*	*				*	*	*	*												
Corunna ...																					
Madrid ...	1000.8	39	W	2	b	1011.9	+5	34	+7	W	2	-	o	*	-	39	34				
Lisbon ...																					
Azores (Horta) ...																					
Madeira ...																					
Gibraltar ...	1013.1	45	W	6	b	1018.6	*	45	-1	NW	4	*	b	2	7	50	43				
Malta ...	*	*	*	*	*	1002.0	+3	55	-2	SW	1	-	c	1	-	66	55				
Limassol ...	*	*	*	*	*	1017.0	+1	54	+4	ENE	1	-	b	4	-	64	48				
Alexandria ...																					
Cairo (Helwan) ...																					
LONDON OBSERVATIONS.	Humidity.		Sun- shine for Yester- day.	24 HOURS ENDED 9 h. TO-DAY.							SOUTH KENSINGTON.										
15 h. Yester-day.		9 h. To-day.		TEMPERATURE.			Rain- fall.	WEATHER.			Vertical Component of Solar Radiation per square Centimetre during Yesterday.										
			Max.	Min.	Min. on Grass	mm.	Morn- ing.	After- noon.	Night.	Total.			Average Rate.	Max. Rate.							
										Joules.			Milliwatts.	Milliwatts.							
										144			4.8	17.0							
			Temperatures at Greenwich and Cam- den Square are from Glaisher screens.																		
GREENWICH (Royal Observatory)	79	87	0.8	36	32	30	0.03	os	od	od											
CITY (Sunhill Row)			0.6	*	*	*															
WESTMINSTER (St. James's Park)	82	89	0.1	37	33	31	1.5	sor	o	sfo											
CAMDEN SQ. (British Rainfall)	87	82	1.3	37	32	29	0.04	osc	bc.o	*											
HAMPSTEAD (Reservoir)		89	1.4	33	29	21	1.1	os	cx	ox											
S. KENSINGTON (Museum Grounds)	*	87	0.5	37	33	31	2	osc	c.om	om											
RICHMOND PARK	*	*	*	*	*	*	*	*	*	*											

* Information for these columns not usually received.

† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

Signals hoisted yesterday. Signals hoisted this morning.

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

No Warnings Issued.

Western Channel and Bay 1)

0 } Wind mainly between North and East, light; mostly fair; temperature rather low.

2 } Wind between North and North-East, light or moderate, fresh in exposed places; much cloud, some wintry precipitation; no great change of temperature.

6 } Wind light, mainly between North and East; mostly fair; rather cold.

8 } Wind North or North-East, light or moderate; mostly fair; cold.

9 } Wind light, variable or Easterly; fair; cold.

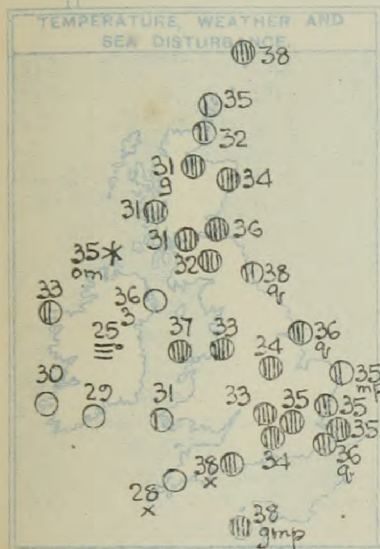
10 } North-Easterly winds, light or moderate; sea slight; fair.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF WEDNESDAY, 17TH JANUARY, 1917.

GENERAL INFERENCE.

The North-Easterly type of conditions will continue.



EXPLANATION.

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

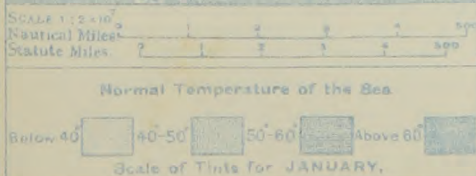
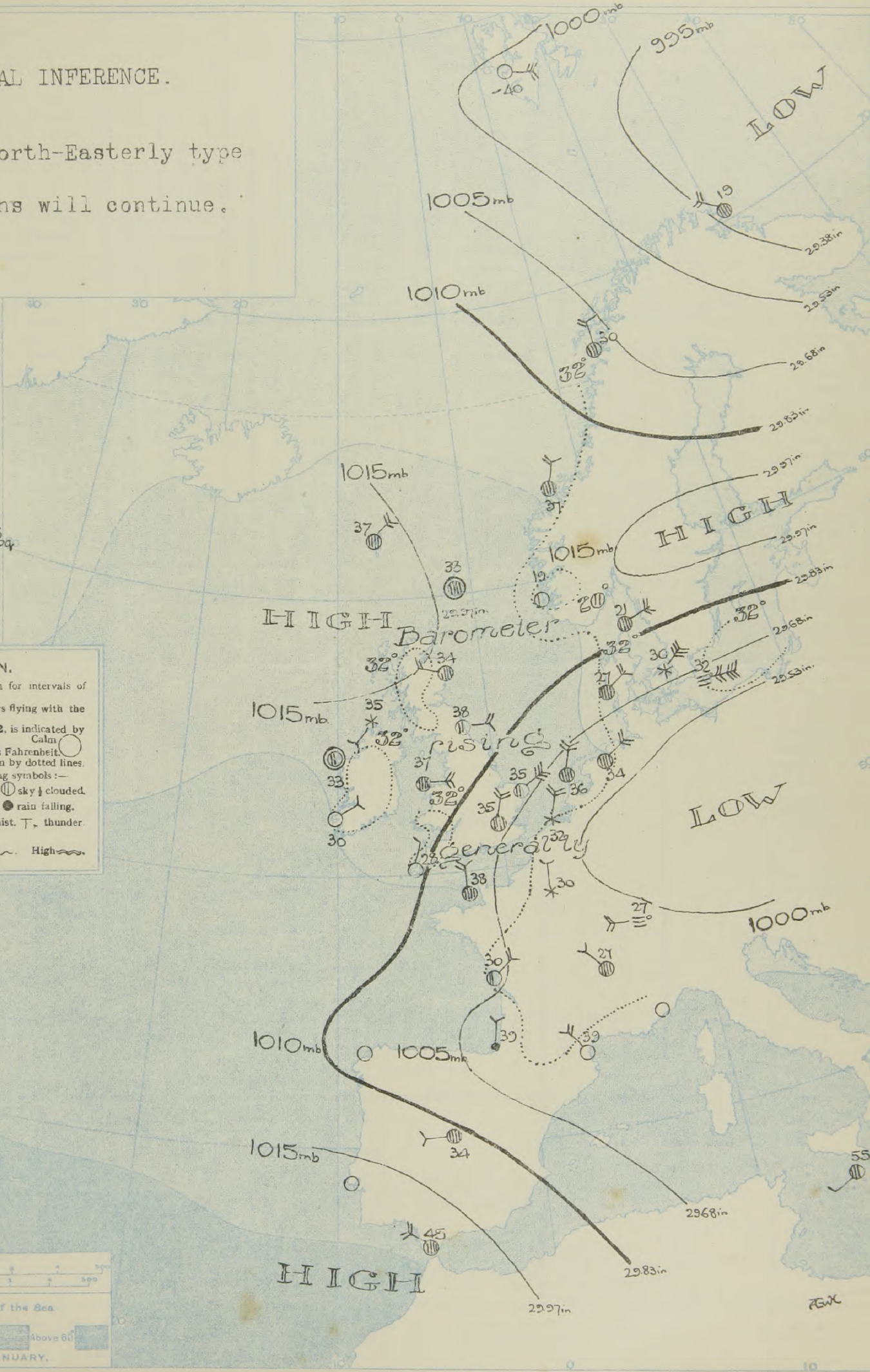
WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0-12, is indicated by the number of feathers. Calm.

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



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.							PAST 24 HOURS.			MORNING.								
	Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
			Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.			
		F.						F.	F.					F.	F.			F.	F.					
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel	1011.5	-8	—	0	0								*	*	Isafjord								
	Gorki	1007.4	23	WSW	1	0	1007.5	0	21	-9	SW	3	0	—	*	21	Reykjavik	998.6	34	0	WSW	4	0	
	Velieki Luki	1008.8	18	NW	2	0	1014.4	*	1	-33	NNW	2	0	1	*	1	Vestmanna	999.7	36	0	W	3	0	
	Hangö	1015.8	1	NNE	1	e	1015.9	0	7	-3	ENE	1	0	—	*	-2	Seydisfjord	993.2	30	-16	W	9	C	
	Riga	1011.8	19	NE	1	0	1013.9	+1	12	-20	ENE	2	0	—	*	12	Thorshavn	1001.9	38	-2	W	4	Y	
	Petrograd	1012.2	10	ENE	3	S	1016.4	+2	7	-12	NE	2	S	—	19	7								
	Moscow	1015.1	32	W	3	C	1006.4	+1	16	-18	NW	2	0	1	*	16								
	Kiev	1010.9	30	SE	2	f	1006.4	-2	34	+4	SW	3	0	—	*	28								
	Kharkov	1013.9	28	—	0	b	1011.1	-3	30	+2	SE	2	0	—	*	27								
	Kishinev						1007.3	-1	34	+2	—	2	0	—	*	32								
	Elisabetgrad	1012.2	45	SSE	1	0	1008.6	-1	36	+2	S	1	0	—	*	32								
	Nicolaiev						1010.3	*	43	+9	SW	3	0	—	*	34								
Odessa	1012.6	43	SW	3	b	1009.5	-1	41	+2	SE	3	0	—	*	39									
Tarkhankout.	1014.0	52	S	4	b	1012.3	*	52	+3	S	6	0	—	*	48									
Soukhom														*										
MEDITERRANEAN.	Venice	1000.4	43	NE	2	r	995.4	*	45	+2	NW	2	0	12	62	43								
	Pesaro	1001.0	41	SW	1	0	1000.6	*	52	+6	S	3	0	—	55	39								
	Rome	1001.0	57	SE	3	0	999.1	*	55	0	SE	2	0	—	57	55								
	Viesti	1006.0	45	W	1	0	1004.1	*	54	+2	SE	2	0	—	57	41								
	Brindisi	1008.1	50	SE	2	b	1007.3	*	57	+2	SE	2	0	—	57	50								
	Cagliari	995.4	52	SSE	4	0	997.9	*	50	+2	NNW	3	0	—	59	45								
	Palermo	1003.6	64	ESE	4	f	1002.2	*	63		ENE	4	0	—	64	55								
	Tripoli						1005.3	*	48		S	1	0	—	72	45								
	Algiers	997.6	55	WSW	1	C	997.7	+1	54	+2	SW	4	0	3	66	48								
	SWEDEN.	Hernösand	1011.8	16	NE	3	0	1008.6	*	19	+17	SE	2	0	*	*	*							
		Stockholm	1015.5	14	N	2	b	1015.5	*	9	-9	N	2	0	*	*	*							
		Wisby	1012.3	25	NE	6	0	1013.9	*	19	-11	—	0	0	*	*	*							

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles	7	18
France	7	18
Norway	7	18
Sweden	7	17
Denmark	7	18
Holland	7	18
Italy	7	20
Egypt	6	18
Corunna	7	16
Madrid	8	16
Lisbon	7	21
Azores	8	17
Madeira	7	21
Malta	8	—
Limassol	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine.	
	Night.	Day.	Max.	Min.	Forenoon.	Afternoon.		
	12h-9h.	9h-12h.						
Scotland.	Oban	—	37	30	o	o	0.0	
	Banff	—	40	30	c.b.c.p.	b.c.c.	3.2	
	Montrose	—	—	—	—	—	—	
	Carnoustie	*	*	—	—	—	—	
	St. Andrews	—	—	—	—	—	—	
Eng. N.E.	Harrogate	1	32	29	osp	o	0.0	
	Skegness	1	38	32	ousp	ohp	0.0	
Eng. N.W.	Morecambe	1	34	32	—	—	0.4	
	Southport	1	34	28	oso	c.b.c.o	0.0	
Midlands.	Leamington Spa	—	—	—	—	—	—	
	Malvern	—	—	—	—	—	—	
	Ross-on-Wye	—	34	29	o	m	0.0	
Wales.	Rhyl	—	36	28	ox	osg	0.0	
	Colwyn Bay	*	36	27	c.b.c.	b.c.	0.3	
	Llandudno	*	37	27	c	c	0.1	
	Aberystwyth	*	36	27	a.c	c.b.c.	2.0	
	Tenby	—	—	—	—	—	—	
England, E.	Lowestoft	TRACE	1	38	33	ops	ophs	0.0
	Felixstowe	6	3	35	31	osh	o.b.c.	0.0
	Walton-on-Naze	—	—	—	—	—	—	—
	Southend-on-Sea	5	2	35	29	os	os	0.0
	Margate	2	1	38	32	osh	oshq	0.0
England, S.E.	Ramsgate	4	2	35	32	o	s.or	0.0
	Hastings	1	1	35	31	os	os	0.0
	Eastbourne	—	—	44	31	o.c	os.o	0.0
	Seaford	*	*	35	30	o	c.b	0.5
	Brighton	—	—	36	30	o.c	c.o	0.1
	Worthing	—	—	36	30	o	c	0.1
	Littlehampton	—	—	35	30	o	o	0.0
	Bognor	3	*	—	—	—	—	—
	Bournemouth	—	—	35	26	o	o.b	0.0
	Weymouth	*	*	35	28	b.c.b.c	cmb	1.8
England, S.W.	Torquay	6	—	36	29	b.c.c	c.o	2.1
	Paignton	*	*	—	—	—	—	—
	Penzance	A	—	37	32	os.c	b.c	3.0
	Newquay	1	—	35	27	b	b	5.0
	Bude	TRACE	—	38	28	b	b	6.4
	Ilfracombe	—	—	—	—	—	—	—
	Weston-s-Mare	—	—	36	28	oh.c	c	0.0

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

7 th 18 th January 1917.	Sunrise, Noon, Sunset.		
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.57	12.3	4.9
Greenwich	7.55	12.3	4.11
Wick	8.0	12.10	4.21
Valencia	7.59	12.10	4.23
	8.50	12.22	3.54
	8.48	12.22	3.57
	8.42	12.51	5.0
	8.41	12.51	5.2

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 32° in some parts of England, and below 35° at many places. Considerable snowfalls occurred at some places in eastern England. Generally there was very little bright sunshine, but at some stations on the coasts of Wales, Cornwall and the south-west of Ireland the records were high.

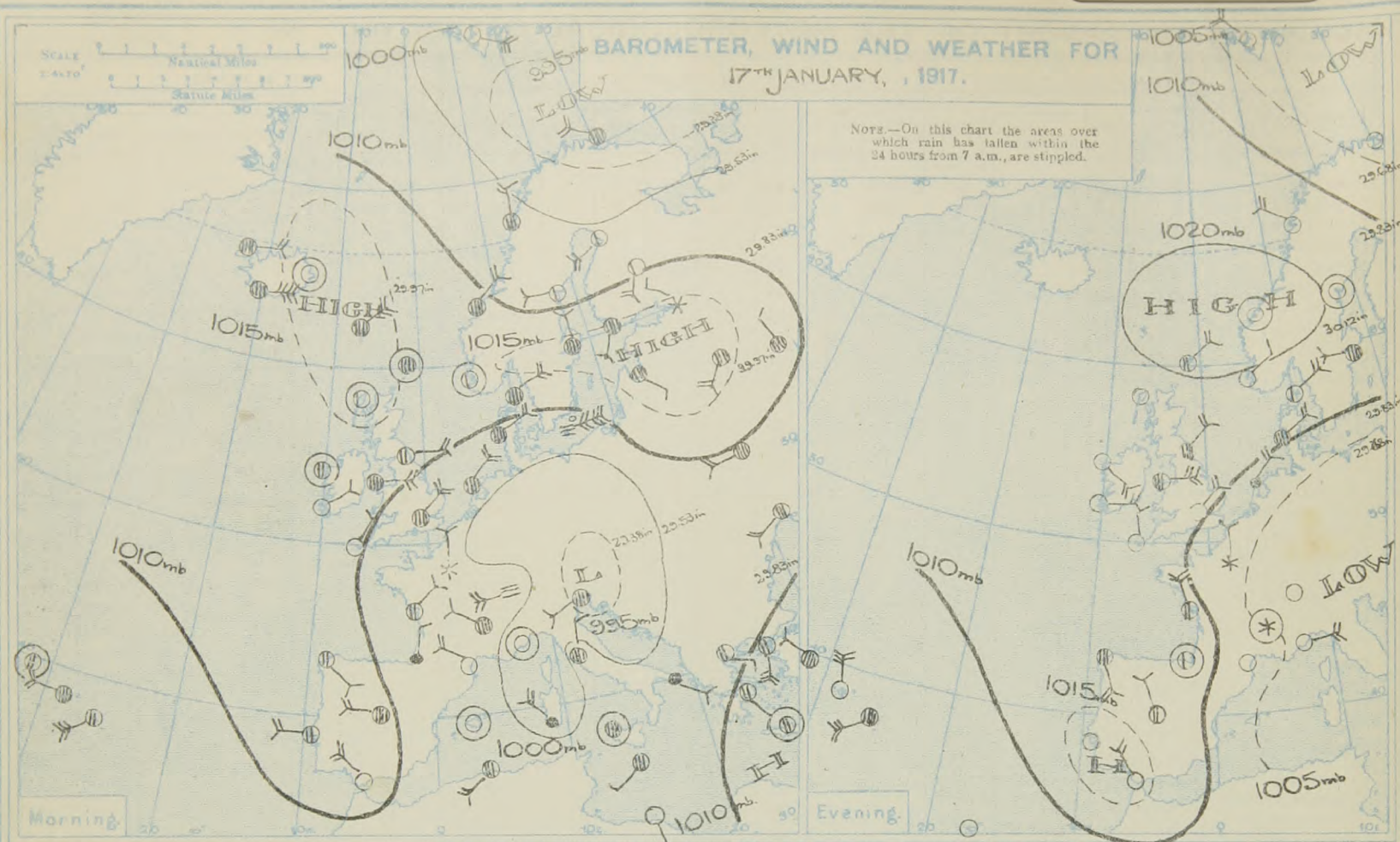
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 18.

Thursday,
18th January.

STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.						Sun- shine for Yester- day. Hours.																																																																																																								
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer.		Temp.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	Temp.		WEATHER.																																																																																																												
			Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.																																																																																																										
BRITISH ISLANDS.																																																																																																																														
Lerwick ...	1020.2	40	NE	3	bc	1023.3	+1	40	+2	SE	2	-	o	2	0.3	41	37	c	c. bc	o.	*																																																																																																									
Deerness (Orkney) ...	1018.6	37	NW	2	bc	1022.7	*	39	+4	ESE	2	-	o	2	-	39	35	bc. c	c. bc	bc. c.	1.9																																																																																																									
Stornoway ...																																																																																																																														
Castlebay (Barra Isd.) ...																																																																																																																														
Glasgow ...	1018.1	33	-	0	bc	1020.4	+3	33	+2	ENE	1	-	b	*	0.1	36	30	osp. c	c. bc	bc. bc	0.0																																																																																																									
Eskdalemuir ...	1017.1	32	N	3	o	1019.6	+2	32	0	NNE	3	-	o	*	-	35	28	ose. bc	c. os. o	orc. b. o	0.5																																																																																																									
Malin Head ...	1016.2	34	S	2	m	1019.5	+1	34	-1	E	2	E	bc. m	2	1	39	32	bc. m	bc. m	bc. m	3.4																																																																																																									
Blacksod Point ...	1015.1	34	SE	3	bm	1016.1	0	31	-2	SE	3	SE	bm	2	-	36	30	b. y	bm	bm	*																																																																																																									
Valencia ...	1014.6	36	E	3	b	1015.4	0	40	+10	ESE	4	-	b	3	-	40	26	b. bc	bc. by	by	5.6																																																																																																									
ROCHE'S POINT.																																																																																																																														
Birr Castle ...	1015.8	32	E	1	b	1017.5	*	40	+11	ENE	2	-	o	2	0.4	40	28	by	by	b. o	*																																																																																																									
Donaghadee ...	1016.2	29	SW	1	m	1019.5	*	18	-7	-	0	-	m	*	-	29	18	bc	bc	bc	0.0																																																																																																									
Liverpool (Bidston) ...	1016.2	37	ENE	2	bc. m	1018.0	0	39	+3	E	3	-	og. m	3	-	41	34	bc. m	bc. m	og. m	*																																																																																																									
Holyhead ...	1015.8	35	N	2	a	1017.4	+1	33	0	NNE	1	N	bc	2	-	37	32	bc	c	bc	2.7																																																																																																									
Pembroke (St. Ann's) ...	1015.6	39	E	5	cmg	1016.8	0	38	+1	E	3	-	og	3	Trace	40	36	o. c. bc. b	bc. cps	ops. b. o	0.0																																																																																																									
Scilly (St. Mary's) ...	1014.9	35	NE	2	bc	1017.4	+1	36	+5	N	1	NE	bc	2	-	39	31	b. bc	bc	b. bc	4.8																																																																																																									
FALMOUTH.																																																																																																																														
Jersey (St. Aubin) ...	1014.7	30	N	1	bc. a	1017.1	+1	32	+4	N	1	-	o	*	-	38	27	b	b. bc	bc. bc	6.3																																																																																																									
Portland Bill ...	1016.8	40	NNW	3	o	1015.1	*	39	+1	WNW	3	-	o	2	1	42	36	or. sh. o	op. o	og. o	0.0																																																																																																									
Dungeness ...	1011.4	35	N	2	bc. m	1015.0	+1	34	+1	N	3	-	bm	3	-	37	33	bc	bc. m	bc. m	0.0																																																																																																									
Dover ...	1007.3	35	NNW	4	c	1011.0	+2	33	-3	N	3	-	o	3	2	36	33	ops	ops. c	c. or. ex	*																																																																																																									
Wick ...	1008.6	34	NNE	6	o	1012.4	+1	34	-1	NNW	4	N	o	3	5	36	32	opsr	ops	o. bc. o	0.0																																																																																																									
Nairn ...	1018.6	35	WNW	2	c	1021.9	+2	41	+9	ESE	2	-	o	3	0.3	41	30	m. bc	bc. m	op. m	*																																																																																																									
Aberdeen ...	1018.8	33	-	0	o	1021.1	*	33	+2	-	0	-	ou	1	1	34	30	og. hp	og. m	o. c. hp	0.0																																																																																																									
Leith ...	1017.4	35	NW	3	c	1021.4	+3	37	+3	E	4	-	c	3	1	39	33	o	oc	c. op	0.0																																																																																																									
Tynemouth ...	1017.2	35	SW	1	o	1020.0	+1	35	-1	E	1	E	c	2	1	39	34	rs. od	d. oe. o	oe. o. c	*																																																																																																									
Spurn Head ...	1014.4	38	NNE	3	omg	1017.8	+2	39	+1	ENE	3	-	og	4	2	39	35	og. ph	og. ph	og	*																																																																																																									
Yarmouth ...	1011.9	37	ENE	5	og	1014.5	+1	35	-1	E	4	-	og	4	0.2	39	33	og	og	c. og	0.0																																																																																																									
Clacton-on-Sea ...	1009.0	36	NE	6	o	1012.6	+1	37	+2	NE	4	-	omd	4	1	39	34	og	o.	op. omd	*																																																																																																									
Nottingham ...	1009.5	35	NNW	3	o	1013.0	+1	34	-1	NW	3	-	o	2	-	36	33	c	c. o	og	0.0																																																																																																									
Benson (Oxon.) ...	1013.1	34	N	2	o	1016.1	*	35	+1	N	2	N	o	*	0.2	35	33	ops. c	ops. o. c	c	0.0																																																																																																									
Sth Farnborough ...	1012.0	33	NNW	3	s	1015.0	+1	33	0	NNW	2	-	om	*	0.1	35	31	o	o.	o. om	*																																																																																																									
London (Kew Obsv.) ...	1010.8	33	NNW	2	bc	1014.4	+1	33	-1	NNW	2	-	o	*	0.2	36	32	o	o. b. bc	bc. o	0.0																																																																																																									
UPPER AIR.																																																																																																																														
South Farnborough. Pilot Balloon Ascent at 7.51 a.m. 1917.																																																																																																																														
750 metres N.E. 11 metres per sec. 600 " N.E. " " 300 " N " " Surface N.W. 4 " "																																																																																																																														
RAINFALL.																																																																																																																														
Equivalents of Millimetres in inches.																																																																																																																														
<table><tr><th>mm.</th><th>Inches.</th><th>mm.</th><th>Inches.</th></tr><tr><td>1</td><td>0.04</td><td>26</td><td>1.02</td></tr><tr><td>2</td><td>0.08</td><td>27</td><td>1.06</td></tr><tr><td>3</td><td>0.12</td><td>28</td><td>1.10</td></tr><tr><td>4</td><td>0.16</td><td>29</td><td>1.14</td></tr><tr><td>5</td><td>0.20</td><td>30</td><td>1.18</td></tr><tr><td>6</td><td>0.24</td><td>31</td><td>1.22</td></tr><tr><td>7</td><td>0.28</td><td>32</td><td>1.26</td></tr><tr><td>8</td><td>0.32</td><td>33</td><td>1.30</td></tr><tr><td>9</td><td>0.35</td><td>34</td><td>1.34</td></tr><tr><td>10</td><td>0.39</td><td>35</td><td>1.38</td></tr><tr><td>11</td><td>0.43</td><td>36</td><td>1.42</td></tr><tr><td>12</td><td>0.47</td><td>37</td><td>1.46</td></tr><tr><td>13</td><td>0.51</td><td>38</td><td>1.50</td></tr><tr><td>14</td><td>0.55</td><td>39</td><td>1.54</td></tr><tr><td>15</td><td>0.59</td><td>40</td><td>1.58</td></tr><tr><td>16</td><td>0.63</td><td>41</td><td>1.61</td></tr><tr><td>17</td><td>0.67</td><td>42</td><td>1.65</td></tr><tr><td>18</td><td>0.71</td><td>43</td><td>1.69</td></tr><tr><td>19</td><td>0.75</td><td>44</td><td>1.73</td></tr><tr><td>20</td><td>0.79</td><td>45</td><td>1.77</td></tr><tr><td>21</td><td>0.83</td><td>46</td><td>1.81</td></tr><tr><td>22</td><td>0.87</td><td>47</td><td>1.85</td></tr><tr><td>23</td><td>0.91</td><td>48</td><td>1.89</td></tr><tr><td>24</td><td>0.95</td><td>49</td><td>1.93</td></tr><tr><td>25</td><td>0.98</td><td>50</td><td>1.97</td></tr></table>																							mm.	Inches.	mm.	Inches.	1	0.04	26	1.02	2	0.08	27	1.06	3	0.12	28	1.10	4	0.16	29	1.14	5	0.20	30	1.18	6	0.24	31	1.22	7	0.28	32	1.26	8	0.32	33	1.30	9	0.35	34	1.34	10	0.39	35	1.38	11	0.43	36	1.42	12	0.47	37	1.46	13	0.51	38	1.50	14	0.55	39	1.54	15	0.59	40	1.58	16	0.63	41	1.61	17	0.67	42	1.65	18	0.71	43	1.69	19	0.75	44	1.73	20	0.79	45	1.77	21	0.83	46	1.81	22	0.87	47	1.85	23	0.91	48	1.89	24	0.95	49	1.93	25	0.98	50	1.97
mm.	Inches.	mm.	Inches.																																																																																																																											
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FRANCE, &c.																																																																																																																														
The Helder ...	1007.1	34	NNE	3	r	1011.0	+3	34	-2	NE	5	-	r	3	2	36	34																																																																																																													
C. Gris Nez ...	1007.3	37	E	5	r	1011.4	+1	37	0	NNE	5	*	o	5	10	37	36																																																																																																													
La Hève ...																																																																																																																														
Brest (St. Mathieu) ...	1014.4	41	NE	2	c	1017.1	+1	36	-1	NE	3	*	bc	?	-	43	34																																																																																																													
Rochefort (Ile d'Aix) ...	1011.5	39	NNW	4	bc	1015.1	+1	39	+9	NNW	3	*	o	*	-	43	28																																																																																																													
Biarritz ...	1013.2	39	-	0	b	1014.9	-1	39	0	WSW	3	*	dr	2	5	41	34																																																																																																													
SOUTHERN STATIONS.																																																																																																																														
Corunna ...	1013.6	48	SSE	3	c	1017.5	+2	44	+2	-	0	-	o	1	5	48	39																																																																																																													
Madrid ...	1018.6	37	NW	2	bc	1019.0	+1	27	-7	-	0	-	b	*	?	41	27																																																																																																													
Lisbon ...																																																																																																																														
Azores (Horta) ...	1005.7	*	NW	5	b																																																																																																																									
Madeira ...																																																																																																																														
Gibraltar ...	1015.6	46	NW	3	b	1013.9	*	42	-3	E	2	*	b	2	-	57	41																																																																																																													
Malta ...	*	*	*	*	*	1006.4	+4	52	-3	W	4	-	r	4	8	63	48																																																																																																													
Limassol ...	*	*	*	*	*	1013.3	0	59	+5	ENE	6	E	c	5	-	64	54																																																																																																													
Alexandria ...	1010.6	61	ENE	2	b	1010.7	0	57	-2	-	0	-	b	0	-	73	54																																																																																																													
Cairo (Helwan) ...	1010.3	59	SSE	2	b	1011.3	+2	54	+8	SE	1	-	b	*	-	70	46																																																																																																													
24 HOURS ENDED 9 h. TO-DAY.																																																																																																																														
LONDON OBSERVATIONS.																																																																																																																														
<table><tr><th rowspan="2">15 h. Yester- day.</th><th rowspan="2">9 h. To-day.</th><th rowspan="2">Sun- shine for Yester- day. Hours.</th><th colspan="3">TEMPERATURE.</th><th rowspan="2">Rain- fall. mm.</th><th colspan="3">WEATHER.</th></tr><tr><th>Max.</th><th>Min.</th><th>Min. on Grass.</th><th>Morn- ing.</th><th>After- noon.</th><th>Night.</th></tr><tr><td>GREENWICH (Royal Observatory)</td><td>81</td><td>87</td><td>0.0</td><td>36</td><td>23</td><td>30</td><td>-</td><td>o</td><td>o. bc</td><td>bc. o. os</td><td>*</td></tr><tr><td>CITY (Bunhill Row)</td><td>*</td><td>*</td><td>0.1</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td></tr><tr><td>WESTMINSTER (St. James's Park)</td><td>77</td><td>86</td><td>0.1</td><td>37</td><td>34</td><td>31</td><td>-</td><td>bc</td><td>bc. o</td><td>o. os</td><td>*</td></tr><tr><td>CAMDEN SQ. British Rainfall)</td><td>83</td><td>85</td><td>0.0</td><td>36</td><td>33</td><td>28</td><td>-</td><td>o</td><td>c. o.</td><td>*</td><td>*</td></tr><tr><td>HAMPSTEAD (Reservoir)</td><td>*</td><td>95</td><td>0.0</td><td>34</td><td>30</td><td>25</td><td>-</td><td>o</td><td>o. bc</td><td>ox</td><td>*</td></tr><tr><td>S. KENSINGTON (Museum Grounds)</td><td>*</td><td>86</td><td>0.2</td><td>37</td><td>33</td><td>28</td><td>-</td><td>o</td><td>c. o.</td><td>bc. o</td><td>*</td></tr><tr><td>RICHMOND PARK</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td></tr></table>																							15 h. Yester- day.	9 h. To-day.	Sun- shine for Yester- day. Hours.	TEMPERATURE.			Rain- fall. mm.	WEATHER.			Max.	Min.	Min. on Grass.	Morn- ing.	After- noon.	Night.	GREENWICH (Royal Observatory)	81	87	0.0	36	23	30	-	o	o. bc	bc. o. os	*	CITY (Bunhill Row)	*	*	0.1	*	*	*	*	*	*	*	*	WESTMINSTER (St. James's Park)	77	86	0.1	37	34	31	-	bc	bc. o	o. os	*	CAMDEN SQ. British Rainfall)	83	85	0.0	36	33	28	-	o	c. o.	*	*	HAMPSTEAD (Reservoir)	*	95	0.0	34	30	25	-	o	o. bc	ox	*	S. KENSINGTON (Museum Grounds)	*	86	0.2	37	33	28	-	o	c. o.	bc. o	*	RICHMOND PARK	*	*	*	*	*	*	*	*	*	*	*				
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RICHMOND PARK	*	*	*	*	*	*	*	*	*	*	*																																																																																																																			
SOUTH KENSINGTON.																																																																																																																														
Vertical Component of Solar Radiation per square Centimetre during Yesterday.																																																																																																																														
<table><tr><th>Total.</th><th>Average Rate.</th><th>Max. Rate.</th></tr><tr><td>126</td><td>4.2</td><td>14.0</td></tr></table>																							Total.	Average Rate.	Max. Rate.	126	4.2	14.0																																																																																																		
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126	4.2	14.0																																																																																																																												
Joules. Milli-watts.																																																																																																																														
Temperatures at Greenwich and Cam- den Square are from Glaisher screens.																																																																																																																														



FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NO WARNINGS
(See 100.)

Western Channel and Bay 11

0 {
a } Wind between East and South East, light; fair
generally; some mist; rather cold.

2 {
a } Wind between North and North East, moderate or
light, fresh at times locally; variable sky, mostly
overcast, some local snow showers; temperature low.

6 {
a } Same as Nos. 0 to 20.

8 {
a } Wind light, mainly between East and South East;
fair generally, some mist, cold.

10 {
a } Easterly or North-Easterly winds, light; sea
slight, fair.

FURTHER OUTLOOK.

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

NAPIER SHAW, Director.

Millibars
1050—

1040

1030

1020

1010

1000

990

980

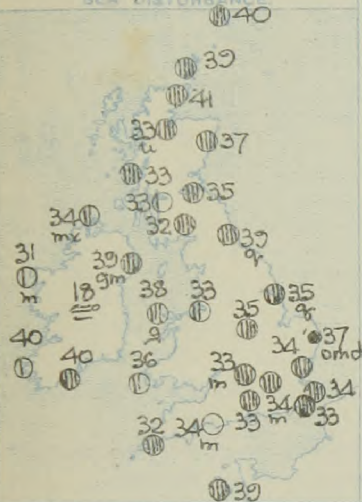
970

SYNOPTIC CHART FOR THE MORNING OF THURSDAY, 18TH JANUARY, 1917.

GENERAL INFERENCE.

The Scandinavian anticyclone is likely to maintain its position for some days.

TEMPERATURE, WEATHER AND SEA DISTURBANCE



EXPLANATION.

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

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

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

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

WEATHER.—Shown by the following symbols:—

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

○ sky 4/5 clouded. ○ overcast sky. ● rain falling.

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

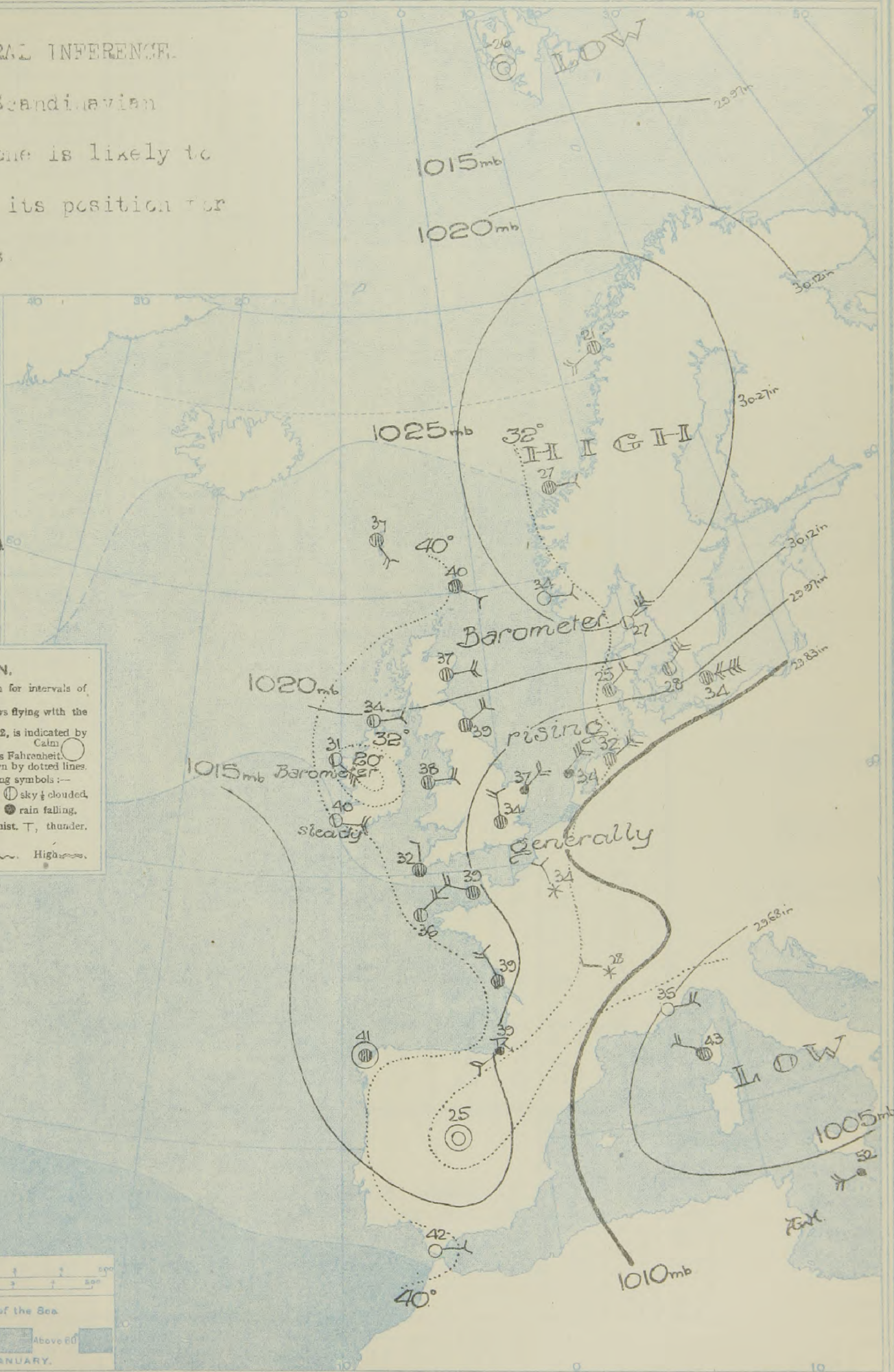
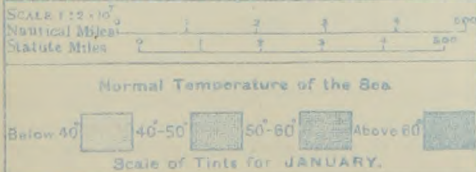
⚡, thunderstorm.

SEA DISTURBANCE.—Rough. High.

Inches
—31

30

29



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.					PAST 24 HOURS.			MORNING									
	Barom. Milli- bars at M.S.L.	TEMP. ° F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			Dir.	Force 0-12.				° F.	° F.					Dir.	Force 0-12.			Max.	Min.	° F.	° F.		Dir.	Force 0-12.
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel	1012.0	-4	E	2	0	1006.0	-1	5	SSE	2	0	-	-	-	-	Isafjord	1012.3	34	F	E	3	0
	Gorki	1010.3	19	NE	3	0	1012.4	0	18	SW	1	0	6	*	0	Reykjavik	1010.6	37	+3	E	4	0	
	Velieki Luki	1017.6	5	E	1	0	1017.3	*	-6	SW	3	0	-	*	-6	Vestmanna	1012.0	37	+1	E	7	0	
	Hangö	1015.4	21	SSE	1	0	1014.4	-3	23	SSW	2	0	-	*	-2	Seydisfjord	1019.1	19	-11	-	0	1	
	Riga	1015.7	7	-	0	b	1017.2	0	-2	SSE	1	0	-	*	-2	Thorshavn	1016.5	27	-1	NE	4	0	
	Petrograd	1017.5	0	NW	1	f	1016.3	-1	-8	NW	1	0	1	7	-13								
	Moscow	1011.7	5	NNW	2	0	1010.9	0	1	NNW	1	0	-	*	0								
	Kiev	1005.7	32	N	2	f	1009.5	0	23	W	3	0	5	*									
	Kharkov	1005.7	36	SW	1	f	1006.6	0	32	WSW	2	f	1	*	30								
	Kishinev																						
MEDITERRANEAN.	Elisabetgrad	1006.6	32	SSE	1	f	1007.0	0	45	+	9	0	f	-	30								
	Nicolaiev	1006.6	43	SW	2	b	1006.9	*	41	-2	SSW	2	f	-	39								
	Odessa	1007.1	34	SW	3	b	1006.7	0	41	0	WSW	3	c	-	34								
	Tarkhankout.	1009.7	80	SSW	4	b	1009.7	*	52	0	SSW	4	b	-	45								
	Soukhoum	1017.9	45	ENE	2	b	1017.0	0	45	NNE	2	b	-	*	45								
	Venice	993.4	46	SE	1	r	993.2	*	39	-6	WSW	2	0	10	48	39							
	Pesaro	991.3	45	SW	1	r	998.0	*	43	-9	S	1	b	39	55	39							
	Rome	993.2	54	SSW	4	b	1000.9	*	46	-9	N	1	0	9	59	45							
	Viesti	996.5	52	SE	4	b	999.9	*	54	0	SSE	2	b	-	57	52							
	Brindisi	1002.2	69	SE	6	0	1002.6	*	54	-3	SE	2	r	3	69	54							
SWEDEN.	Cagliari	999.3	52	NW	3	r	999.3	*	52	+2	NW	3	r	1	59	45							
	Palermo	1000.3	57	E'NE	1	0	1001.6	*	50	-13	-	0	0	-	66	46							
	Tripoli						1001.3	*	54	+6	S	1	b	-	72	48							
	Algiers	1001.7	48	-	0	0	1007.5	+6	43	-11	SW	3	c	16	55	41							
	Hernösand	1007.8	10	N	2	b	1010.1	*	21	+2	W	2	b	*	*	*							
	Stockholm	1014.1	12	N	2	b	1015.0	*	9	0	N	2	0	*	*	*							
	Wisby	1012.4	19	NE	2	b	1013.6	*	18	-1	-	0	b	*	*	*							

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	-
Limassol ...	6	-

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night. 12h-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 12h-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			
Scotland.	Oban	-	-	43	27	0	b	4.5	England, E.	Lowestoft	Trace	-	40	35	0	0	0.0
	Banff	Trace	1	37	31	c r c	s c o	0.0		Felixstowe	-	-	?	32	0	0	0.0
	Montrose									Walton-on-Naze							
	Carnoustie	*	*	38	31	0	c	0.7		Southend-on-Sea	-	-	36	32	0	0	0.0
	St. Andrews	1	-														
Eng. N.E.	Harrogate	1	-	33	30	0. c	c b c c o	1.2	England, S.E.	Margate	1	2	39	33	o s h q	o h, s, q	0.0
	Skegness	1	Trace	37	33	0	o h p	0.1		Ramsgate	1	3	38	33	o s, q	s, q, o	0.0
Eng. N.W.	Morecambe	-	Trace	36	32	-	-	2.4		Hastings	1	-	37	33	o s, e	o.	0.0
	Southport	-	-	37	29	c b c c	c b c o	3.0		Eastbourne	1	-	38	33	o s, q	o c.	0.0
Midlands.	Leamington Spa									Seaford	*	*	37	32	o	o	0.0
	Malvern									Brighton							
	Ross-on-Wye	1	-	35	28	c m x s	o s	0.0		Worthing	Trace	-	37	32	0	b c	0.0
Wales.	Rhyl	-	Trace	38	28	x	s, c, b c	2.6	England, S.W.	Littlehampton	-	-	35	30	0	0	0.0
	Colwyn Bay	*	*	38	30	c	b c	2.5		Bognor	*	*	37	32	0	o, b c	0.0
	Llandudno	*	*	40	27	c b, b	b	3.0		Bournemouth	37	2	37	30	o, e	o	0.5
	Aberystwyth	*	*	37	27	h o c.	c	5.8		Weymouth	*	*					
	Tenby									Torquay	-	-	37	28	0	0	0.0

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

18 th & 19 th January, 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.55	12.3	4.11
	7.54	12.4	4.13
Greenwich ...	7.59	12.10	4.23
	7.57	12.11	4.25
Wick ...	8.48	12.22	3.57
	8.46	12.23	4.0
Valencia ...	8.41	12.51	5.2
	8.40	12.52	5.4

NOTES ON YESTERDAY'S WEATHER.

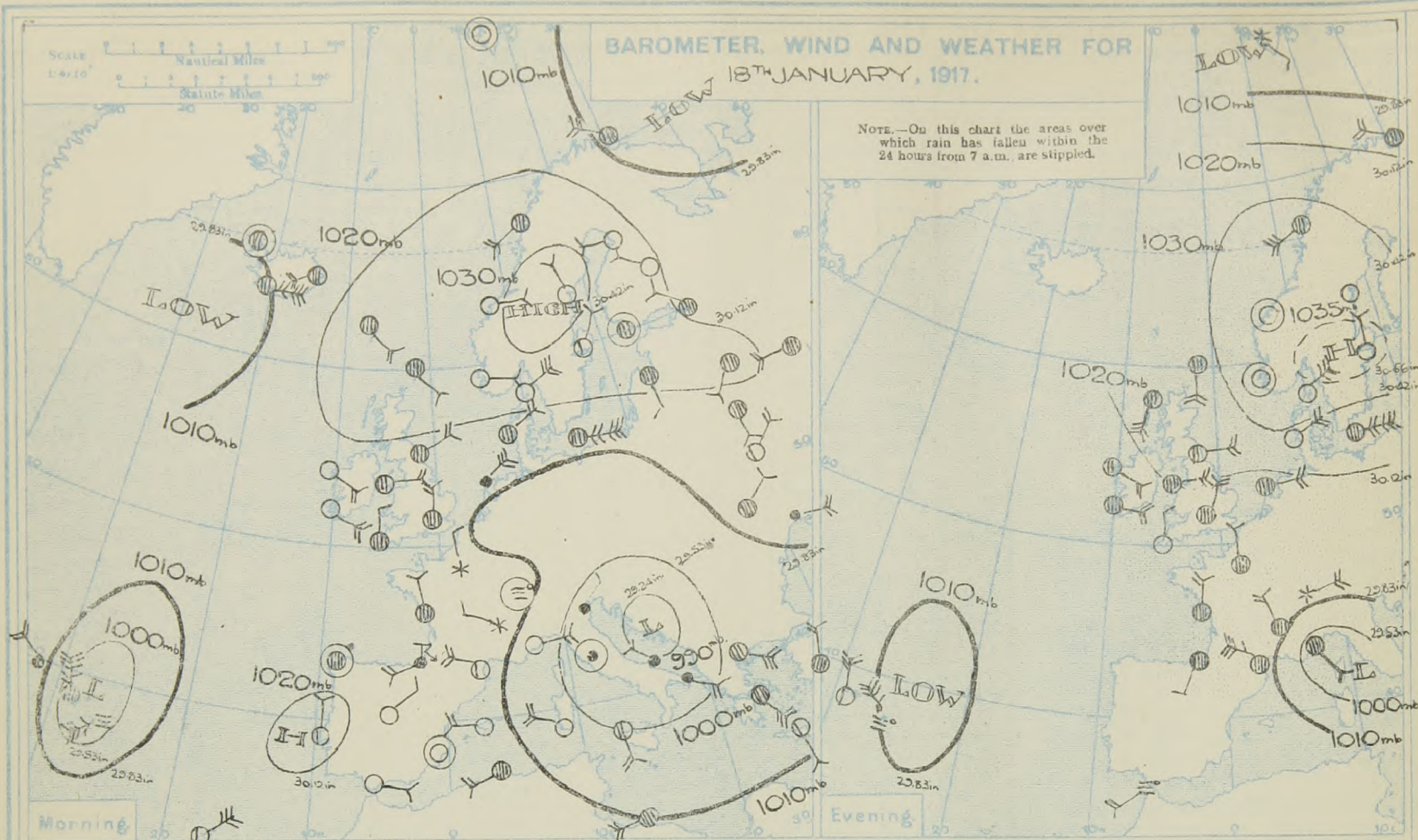
Temperature remained below 30° in central Ireland, and below 33° in many parts of Great Britain. Slight snow showers occurred in most districts, and except in some parts of Ireland and the north-west and south-west of Great Britain there was very little bright sunshine.

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

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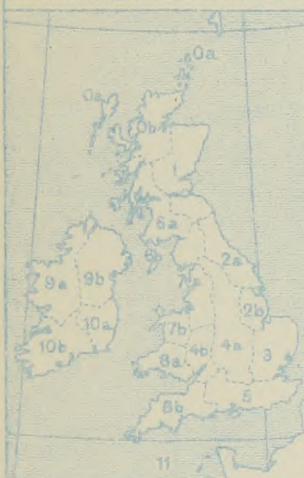
19th January.

† The barometric change is expressed in h.a.f. millibars.



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay 11

Wind mainly South-Easterly, light or moderate, fresh locally; much cloud, some showers of rain, sleet or snow, cold.

Wind mainly Easterly, light or moderate, fresh or strong locally on coast; dull generally, some rain or sleet; cold.

Same as Nos. 0 to 2a.

Wind between South and East, light or moderate, fresh locally; mostly fair, mist in places; temperature rather low.

Easterly or North-Easterly winds, light; sea slight, fair.

FURTHER OUTLOOK.

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

NAPIER SHAW, Director

Millibars
1050-1

1040

1030

1020

1010

1000

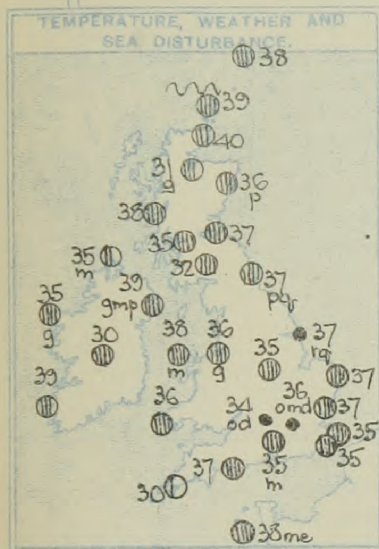
990

980

970

GENERAL INFERENCE.

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



EXPLANATION.

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

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

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

TEMPERATURE.—Given in degrees Fahrenheit.

Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—

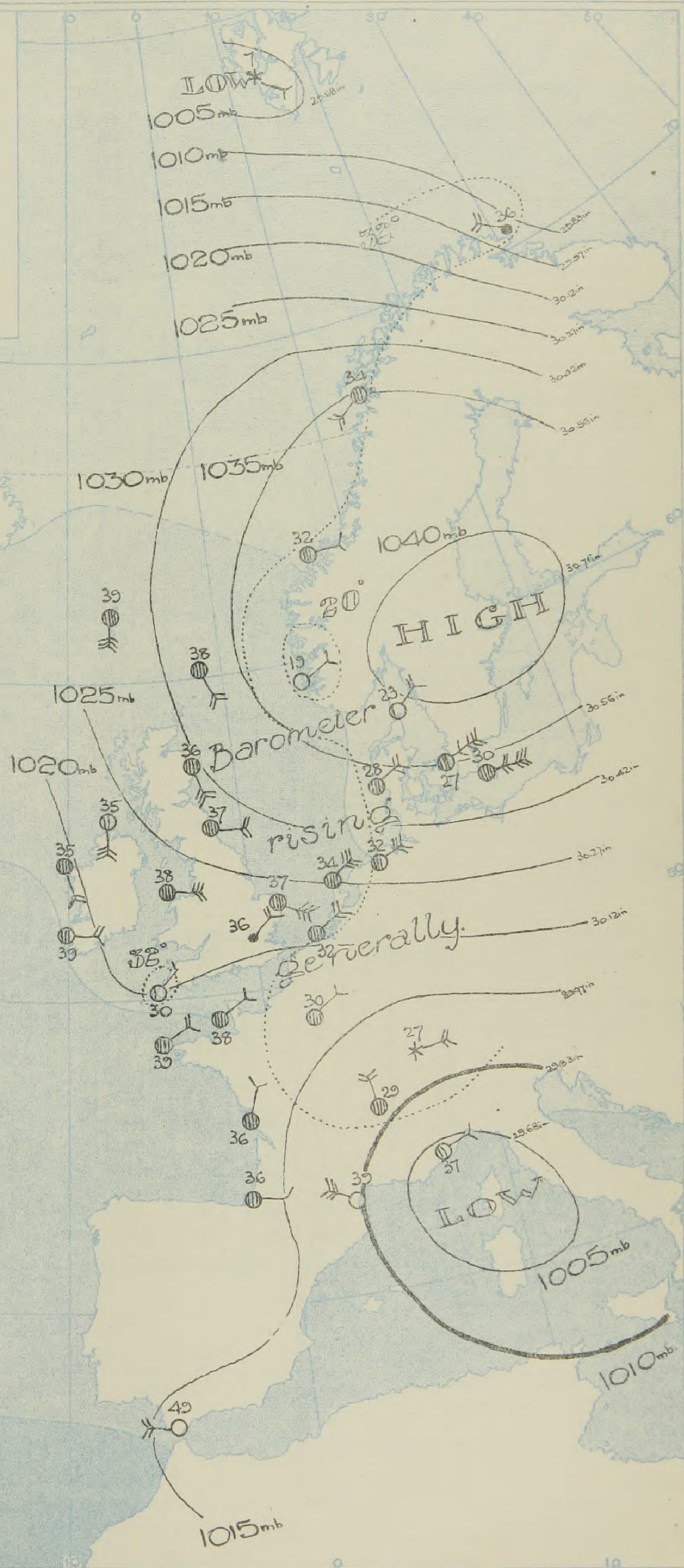
○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded.

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

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

⚡, thunderstorm.

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



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.							PAST 24 HOURS.				MORNING.						
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		
RUSSIA 7 a.m. and 9 p.m. Local Time.																							
Archangel	1003.8	14	WSW	2	S	1007.8	+7	10	+5	NW	2	C	—	° F	° F	Isafjord	1010.7	41	+7	—	0	C	
Gorki	...	...	...	...	...	1017.9	0	30	+12	S	1	0	1	*	18	Reykjavik	1009.5	37	0	SSW	4	R
Velieki-Luki	1020.4	-15	?	?	b	1022.3	*	9	+15	SW	2	0	—	*	-17	Vestmanna	1010.6	39	+2	E	8	C	
Hangö	1015.8	28	SW	1	0	1023.4	+5	16	-7	WSW	1	C	—	*	14	Seydisfjord	1018.0	41	+22	SW	4	C	
Riga	1019.5	23	S	1	0	1022.3	+2	5	+7	S	1	0	—	*	-2	Thorsbavn	1022.6	37	0	SE	3	0	
Petrograd	1012.3	18	W	5	0	1016.4	+5	21	+29	NW	2	0	—	25	?								
Moscow	1012.6	3	NW	3	0	1016.6	+2	9	+8	W	3	0	—	*	3								
Kiev	1018.1	3	E	3	b	1023.4	+4	0	-23	NE	3	b	—	*	0								
Kharkov	1015.9	9	—	0	b	1023.7	+4	-4	-38	SW	2	b	—	*	-4								
Kishinev	1009.2	36	—	0	b	1014.9	0	32	—	NE	2	0	1	*	28								
Elisabetgrad	1013.1	28	ENE	4	0	1019.3	+3	19	-26	ESE	3	bc	—	*	16								
Nicolaiev	1010.0	41	ENE	4	0	1016.6	*	32	-9	ENE	4	0	—	*	32								
Odessa	1009.5	41	NNE	3	f	1015.7	+4	36	-5	ESE	4	r	—	*	36								
Tarkhankout.	1009.7	62	S	5	b	...	*	...	...	...	...	...	...	*	...		
Soukhoum	1016.4	45	NNE	2	b	1015.5	+2	43	-2	NNE	2	0	—	*	41								
MEDITERRANEAN.																							
Venice	1002.2	43	ENE	1	bc	998.6	*	43	+4	NE	1	r	Trace	50	39	British Isles	...	h.	...	h.	...	18	
Pesaro	1000.7	45	SW	1	r	996.2	*	39	-4	W	4	r	32	52	39	France	...	7	...	...	...	18
Rome	998.6	45	W	1	r	997.6	*	44	-2	N	1	r	22	54	41	Norway	...	7	...	...	...	18
Viesti	997.3	54	SE	6	0	990.3	*	48	-6	NW	2	r	31	55	46	Sweden	...	7	...	...	...	17
Brindisi	997.2	55	NE	3	0	990.8	*	52	-2	SE	3	r	40	57	52	Denmark	...	7	...	...	...	18
Cagliari	1004.7	52	NW	3	0	1005.7	*	46	-6	NW	3	b	3	59	41	Holland	...	7	...	...	...	18
Palermo	997.6	50	SSW	1	r	1003.9	*	52	+2	S	3	bc	9	66	46	Italy	...	7	...	...	...	20
Tripoli	1006.4	46	WNW	3	0	1010.6	*	50	-4	W	4	0	3	70	43	Egypt	...	6	...	...	...	18
Algiers	1012.6	50	W	3	0	1013.5	0	46	+3	WSW	3	0	2	55	43	Corunna	...	7	...	...	...	16
SWEDEN.																							
Hernösand	1018.3	21	—	0	b	1033.9	*	16	-5	N	2	b	*	*	*	Madrid	...	8	...	...	...	16
Stockholm	1017.2	14	W	2	0	1027.1	*	28	+14	NNE	2	b	*	*	*	Lisbon	...	7	...	...	...	21
Wisby	1016.7	19	E	2	b	1022.1	*	30	+12	NE	2	b	*	*	*	Azores	...	8	...	...	...	17
																Madeira	...	7	...	...	...	21
																Malta	...	8	...	...	...	—
																Limassol	...	6	...	...	...	—

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	—
Limassol ...	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.		Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.		Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine
		Night. 12h-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.				Night. 12h-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	-	-	44	28	o	b	2.8	England, E.	Lowestoft	1	1	34	34	ob	o	0.0
	Banff	1	Trace	38	33	bc, bc	bc	0.9		Felixstowe	-	Trace	38	32	ob	ob	0.0
	Montrose									Walton-on-Naze							
	Carnoustie	*	*							Southend-on-Sea	-	-	36	32	o	o	0.0
	St. Andrews																
Eng. N.E.	Harrogate	-	Trace	35	32	os, po	o	0.0	England, S.E.	Margate	-	1	39	34	o	orb	0.0
	Skegness	Trace	1	39	34	ob	o	0.0		Ramsgate	2	2	38	35	o	rd, o	0.0
Eng. N.W.	Morecambe									Hastings	-	1	36	32	o	os	0.0
	Southport	1	-	37	32	coc	oco	0.3		Eastbourne	-	Trace	40	32	og	os	0.0
Midlands.	Learnington Spa									Seaford	-	*	37	31	m	a.	0.0
	Malvern									Brighton	-	-	37	31	o.	o.e.	0.0
	Ross-on-Wye			37	30	bc, m	om	0.2		Worthing	-	-	37	31	o	o	0.0
Wales.	Rhyl	-	-	38	28	cx	cx	0.0	England, S.W.	Littlehampton							
	Colwyn Bay	*	*	38	33	bc	bc	1.3		Bognor	-	*					
	Llandudno	*	*	39	33	b, bc	c	1.9		Bournemouth	-	*	37	31	o	o	0.0
	Aberystwyth	*	*	39	29	hoc	c, bc	7.0		Weymouth	-	*	39	32	b	b, z	0.0
	Tenby	*	*							Torquay	-	*	38	30	o	c, bc, b	0.0

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

19th & 20th January 1917.	Sunrise.			Noon.	Sunset.		
	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.54	12.4	4.15	12.4	4.15	7.54	12.4
Greenwich ...	7.57	12.11	4.25	12.11	4.25	7.57	12.11
Wick ...	8.44	12.23	4.5	12.23	4.5	8.44	12.23
Valencia ...	8.40	12.52	5.4	12.52	5.5	8.39	12.52

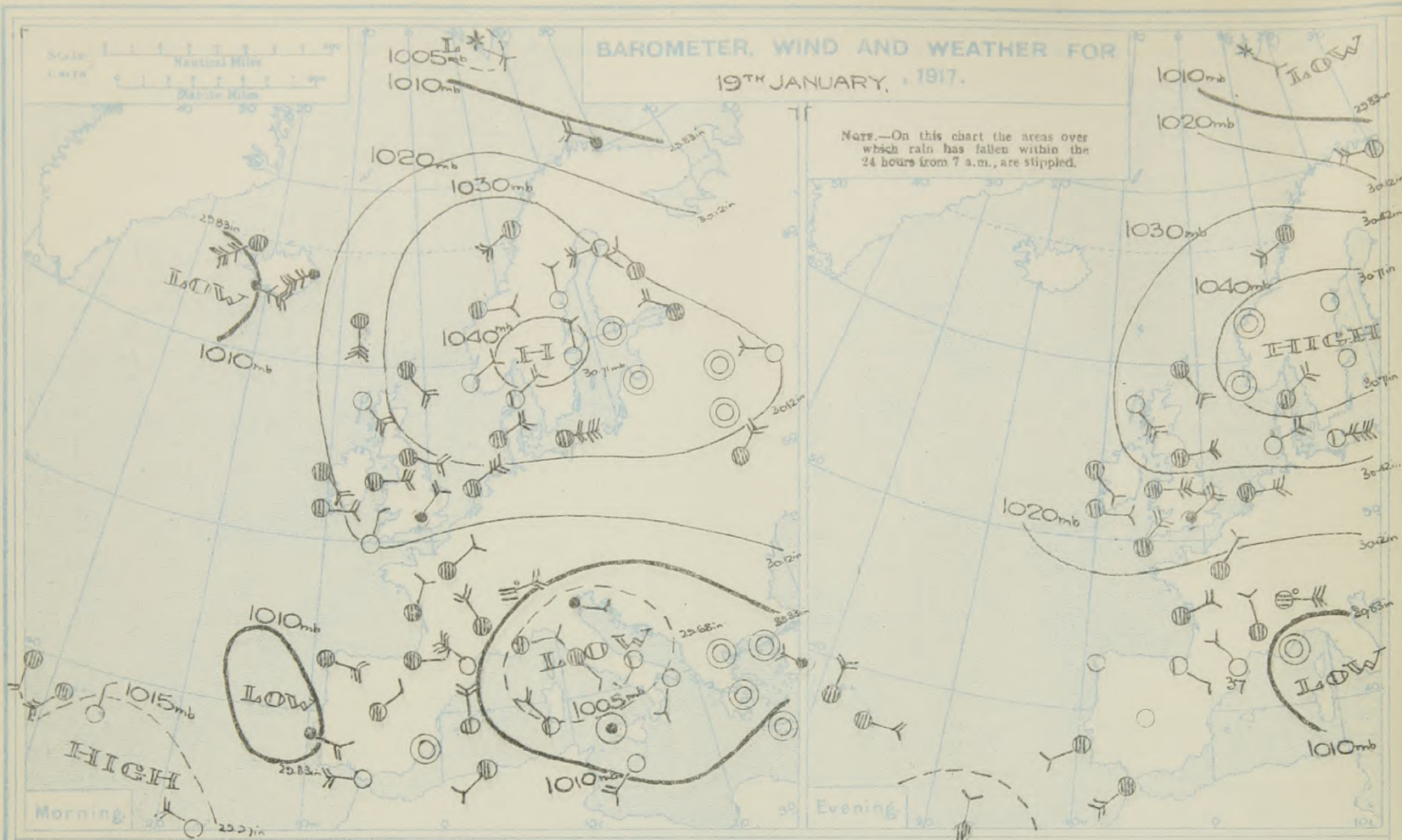
NOTES ON YESTERDAY'S WEATHER.

Temperature remained low generally, but no severe frost was experienced, except in central Ireland. Showers of rain or sleet occurred over the eastern half of Great Britain. The weather was again dull, except in some parts of the western and northern districts.

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

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STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.						Sun- shine for Yester- day.								
	Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall Milli- metres.	TEMP.		WEATHER.												
			Dir.	Force						Dir.	Force					Max.	Min.	Morning.	Afternoon.	Night.										
																						Hours.								
Lerwick	1035.8	38	SSE	4	o	1037.5	0	38	0	S	3	-	o	3	-	39	36	om	om	o	*									
Deerness (Orkney)	1033.8	38	SE	5	og	1035.9	*	38	-1	SE	5	-	o	4	-	40	37	o	og	o	0.0									
Stornoway	1033.8	38	SE	5	og	1033.9	*	38	0	SSE	6	-	o	5	-	40	37	o	og	o	0.0									
Castlebay (Barra Isd.)	1032.0	34	E	1	og	1032.1	-1	33	-2	ENE	2	-	o	*	Trace	35	32	asp	o.c.o	o	0.1									
Glasgow	1031.3	33	ENE	4	o	1030.9	-1	32	0	NE	5	-	o	*	-	34	30	o.c.o	o	o	0.1									
Eska Dalemuir	1027.5	35	SE	2	bcu	1029.5	0	35	0	S	3	-	om	3	-	40	35	bcu	bcu	om	2.0									
Malin Head	1025.4	36	SSE	2	om	1028.1	0	36	0	SE	3	-	og	3	-	38	33	og	om	bcu	*									
Blacksod Point	1023.2	40	E	2	og	1025.0	0	39	0	E	4	-	og	*	-	44	38	c.b.g	og	bc.c.g	1.7									
Valencia	1023.2	40	E	2	og	1025.0	0	39	0	E	4	-	og	*	-	44	38	c.b.g	og	bc.c.g	1.7									
Roche's Point	1023.6	38	NE	2	o	1025.8	*	37	-3	NE	2	-	o	2	0.4	42	36	om	om.o	sp.o	*									
Birr Castle	1025.4	35	E	1	o	1027.7	*	34	+4	NE	1	-	o	*	-	39	29	c.o	c.o	o	0.7									
Donaghadee	1027.2	39	SE	5	ogmnp	1029.2	0	37	-2	SE	4	-	ogm.	4	1	46	37	ogmnp	ogmnp	ogmnp	*									
Liverpool (Bidston)	1027.3	36	ENE	4	omg	1026.6	-1	35	-1	NE	3	-	og	3	-	37	34	om.	og	o	0.0									
Holyhead	1026.1	38	E	6	omg	1026.8	-1	38	0	E	6	-	omg	5	-	39	37	omg	omg	omg	0.0									
Pembroke (St. Ann's)	1023.9	36	ENE	3	o	1024.8	-3	35	-1	ENE	3	-	o	2	-	37	33	o	o	g	0.0									
Scilly (St. Mary's)	1021.6	38	NE	4	og	1022.9	0	34	+4	NNE	4	-	o	*	Trace	38	29	bc.o.od	od.du	oe.o	0.0									
Falmouth	1019.3	36	E	3	om	1020.2	*	35	-3	E	2	-	ome	2	-	40	34	ome.o	om.	ome	0.0									
Jersey (St. Aubin)	1021.0	37	ENE	4	om	1022.1	0	36	-1	NE	4	-	o	4	-	38	34	o.c	om	c.om	*									
Portland Bill	1020.8	37	ENE	5	c	1020.4	0	33	-2	ENE	4	-	o	3	-	38	36	o.bc	bc	c.o.c.o	*									
Dungeness	1023.3	35	SE	3	c	1022.8	+3	33	-2	NE	2	NE	b	4	-	41	31	o	o.c	c.bc	0.0									
Dover	1023.3	35	SE	3	c	1022.8	+3	33	-2	NE	2	NE	b	4	-	41	31	o	o.c	c.bc	0.0									
Wick	1033.5	39	SSE	4	o	1036.0	+1	39	-1	SSE	3	-	c	5	0.3	41	37	qp.og	ogq	omg	*									
Nairn	1032.6	35	ESE	2	ou	1035.0	*	34	+3	E	1	-	og	1	-	38	30	c.bc	og.o	og	0.5									
Aberdeen	1034.1	38	SE	5	o	1034.9	0	38	+2	ESE	5	-	o	4	1	38	35	op	og	og	0.0									
Leith	1031.7	37	E	2	o	1032.0	0	36	-1	E	2	-	o	3	0.2	38	35	om.oe	o	oe.od.o	*									
Tynemouth	1030.5	38	E	4	omg	1030.0	-1	37	0	E	4	-	ogmr	5	2	39	36	o.ph	o.ph	ogmr	*									
Spuin Head	1027.7	37	ESE	5	ogp	1026.0	-1	36	-1	ESE	6	-	ogp	6	3	38	33	ogp	ogp	ogp	0.0									
Yarmouth	1024.9	36	E	6	o	1024.2	0	31	-6	ESE	6	-	og	6	-	38	30	o	o	og	0.0									
Clacton-on-Sea	1023.3	36	ENE	4	o	1023.2	0	32	-5	ENE	3	-	o	2	-	38	32	og	og	og	0.0									
Nottingham	1026.6	35	NE	3	o	1025.1	*	33	-2	ENE	3	NE	r	*	1	36	33	omd	sp	ops	0.0									
Benson (Oxon.)	1023.9	35	NE	2	o	1022.7	-1	32	-2	NE	3	-	od	*	0.4	35	32	or.oe	o	o.c.d.	*									
St. Farnborough	1022.5	35	NNE	3	r	1022.3	-1	32	-3	NNE	2	-	od	*	1	35	32	ogmd	ogd	od	0.0									
London (Kew Obsy.)	1023.6	36	NE	4	omd	1022.9	0	33	-3	NE	3	-	om	*	0.1	37	33	omd.om	omd.om	omd.om	0.0									
Spitsbergen	1007.5	-8	SE	2	s	1003.5	-2	1	-6	N	2	*	s	*	*	7	-8													
Vardö	1013.3	37	N	4	c	1014.1	0	36	0	NW	3	-	r	3	*	37	32													
Bodö	1035.1	36	SW	4	o	1035.1	0	37	+3	SW	6	-	bc	3	*	36	34													
Christiansund	1041.9	32	-	0	b	1043.3	+1	27	-5	SE	1	-	b	3	-	34	25													
Skudesnaes	1041.3	21	-	0	b	1041.5	0	23	+4	ENE	3	-	b	1	-	27	18													
Færder (Xtania Fjord)	1044.8	18	NNE	4	c	1046.4	0	14	-5	NNE	4	-	f	1	-	19	14													
The Scaw (Skagen)	1040.8	19	NE	4	b	1044.6	+1	23	0	E	2	-	b	1	-	27	19													
Blaavands Huk	1035.3	27	ENE	4	b	1037.5	+1	27	-1	ESE	4	-	b	5	-	32	21													
Copenhagen	1038.6	28	E	4	b	1043.0	+3	28	+1	ESE	4	-	b	*	-	28	25													
Bornholm	1036.3	30	E	9	b	1042.3	+3	27	-3	SE	3	-	b	2	-	30	25													
The Helder	1025.6	30	E	5	o	1027.7	0	23	-11	E	4	-	o	3	-	34	23													
C. Gris Nez	1021.5	33	ENE	3	o	1021.5	0	29	-3	E	3	*	o	1	-	36	28													
La Hève	1021.5	32	ENE	3	m	*	*	30	-4	ENE	2	*	bc	2	-	34	30													
Brest (St. Mathieu)	1019.0	39	NE	2	o	1020.2	-1	36	-3	ESE	3	*	o	2	-	43	34													
Roche fort (Ile d'Atx)	1016.6	37	ENE	3	o	1016.8	0	34	-2	ENE	4	*	r	*	-	41	32													
Biarritz	1014.7	40	ESE	1	b	1015.1	0	32	-4	E	2	*	b	1	-	43	30													
Paris	1019.3	32	NNE	2	o	1019.4	+1	32	+2	NE	2	-	o	*	-	34	28													
Belfort	1016.0	30	E	6	m	1019.1	*	27	-1	E	5	*	m	*	-	30	27													
Lyons	1015.3	30	NNW	2	o	1016.7	*	29	0	-	0	*	o	*	-	30	29													
Nice	1008.8	40	-	0	b	1014.1	+4	39	+2	E	2	*	c	2	-	52	36													
Perpignan	1012.3	37	NW	2	b	1015.4	+2	25	-12	W	1	-	b	*	-	43	23													
Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	*	*													
Corunna	1015.3	36	SSE	1	b	1018.1	+3	32	+7	NE	1	-	o	*	-	36	30													
Madrid	1009.7	52	WSW	2	c	1011.4	+1	46	-2	NNW	1	-	o	*	-	54	45													
Lisbon	1011.1	*	N	4	o	1015.1	-2	55	+3	SW	6	*	bc	3	-	55	50													
Azores (Horta)	1016.3	59	N	2	o	1009.3	-3	55	-2	W	4	SW	r	4	26	63	52													
Madeira	1013.2	56	SW	4	b	1046.5	*	50	+1	W	3	*	b	2	3	57	42													
Gibraltar	*	*	*	*	*	1011.7	+2	50	-2	W	3	-	c	2	4	55	48													
Malta	*	*	*	*	*	1012.7	-1	54	-5	-	0	-	c	4	Trace	66	59													
Limassol	1015.5	61	-	0	b	1015.8	0	59	+4	S	1	NW	bc	0	-	72	55													
Alexandria	1014.6	61	N	1	c	1015.7	+2	50	0	N	1	-	b	*	-	68	50													
Cairo (Helwan)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	*	*													
LONDON OBSERVATIONS.																						SOUTH KENSINGTON.								
HUMIDITY.																						TEMPERATURE.			WEATHER.			Vertical Component of Solar Radiation per square Centimetre during Yesterday.		
15 h. Yester-day.																						9 h. To-day.		Sun- shine						



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

FORECAST DISTRICTS



STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay 11

0 } Wind mainly South-Easterly, light or moderate to fresh; dull, some showers, rain sleet or snow; colder

1 } Wind from some Easterly point, light or moderate, fresh or strong on coast; dull, some rain, sleet or snow; temperature falling.

2 } Same as Nos. 0 and 1.

3 } Wind between North-East and South-East, light or moderate; dull, some local showers; colder.

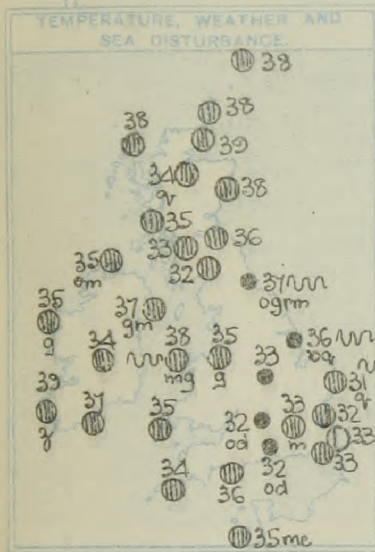
4 } Wind between South and East, light or moderate; much cloud generally, some mist; temperature low.

5 } Easterly and North-Easterly winds, light or moderate; sea slight; cloudy or overcast.

FURTHER OUTLOOK.


GENERAL INFERENCE.

The changes in progress are very slight, and no great alteration in the general conditions is probable.



EXPLANATION.

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

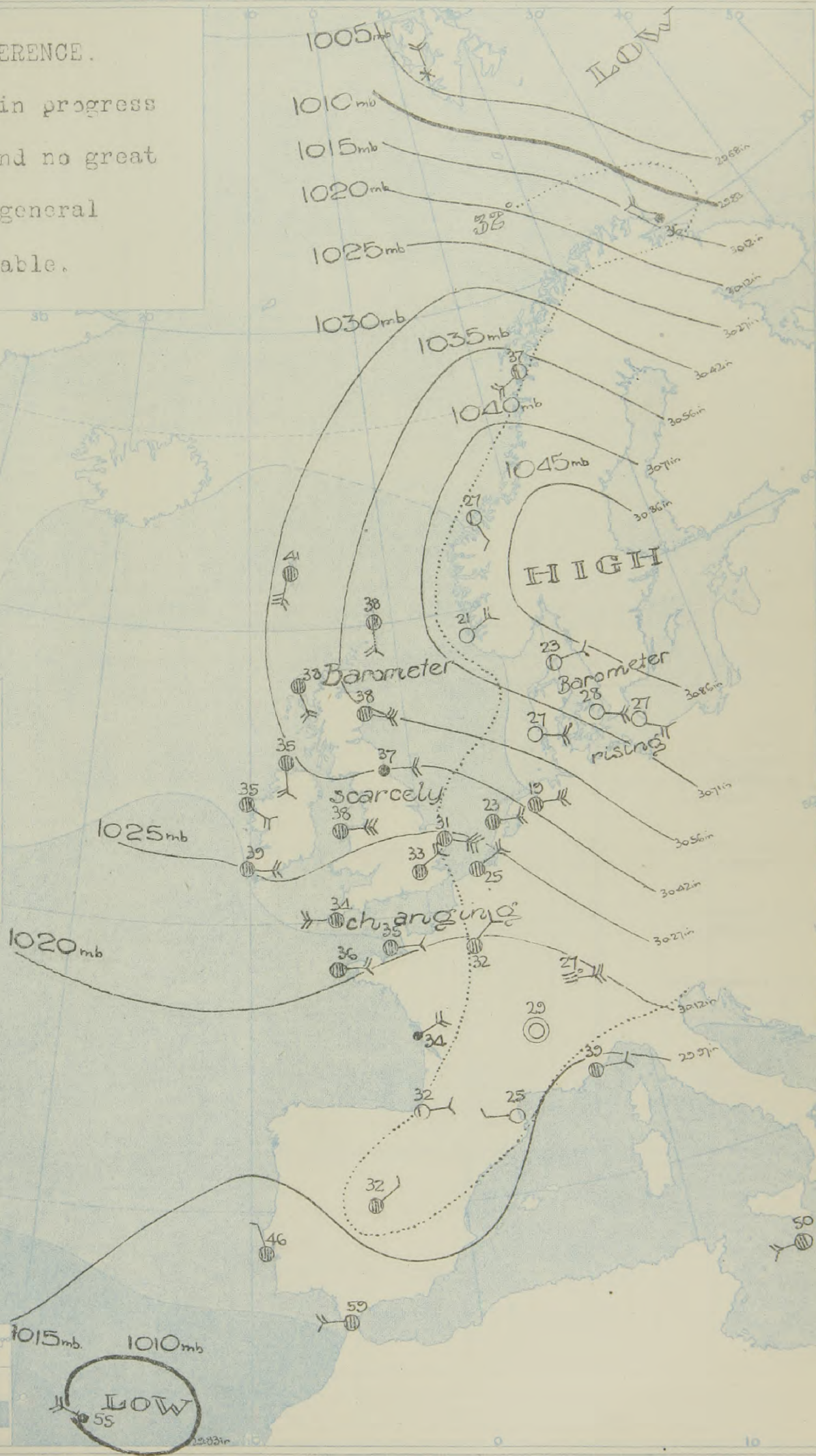
WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0-12, is indicated by the number of feathers. Calm 

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

WEATHER.—Shown by the following symbols:—

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

*snow. ▲ hail, ≡ fog. ≡^o mist. T, thunder.
⚡ thunderstorm.

SEA DISTURBANCE.—Rough High 

REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.				PAST 24 HOURS.				MORNING			
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Barometer. Milli- bars at M.S.L.	Change in 3 hours	TEMP.		Wind.	Force 0-12.	Weather.	Rain- fall. Milli- metres.	TEMP.		Wind.	Force 0-12.
			Dir.	Force 0-12.			Dry Bulb.	Change in 24 hours.					Max.	Min.		
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel	1012.3	-2	W	4	b	1018.9	+3	9	-1	W	4	b	-13	9	0
	Gorki	1026.3	9	—	0	0	1031.5	+4	0	-20	—	0	b	-6	4	r
	Veliki Luki	1029.1	16	W	1	0	1036.6	—	-4	-13	—	0	b	-4	8	r
	Hangö	1036.3	1	NNE	1	b	1039.3	+1	7	-8	NE	1	b	5	6	0
	Riga	1031.8	10	NNE	1	b	1038.9	+3	7	+2	—	0	b	-2	—	—
	Petrograd	1031.4	-0	WNW	3	b	1031.4	-2	10	-11	NW	3	0	21	—	—
	Moscow	1022.9	18	NW	2	c	1030.0	+3	7	+2	WNW	2	—	—	—	—
	Kiev	1024.0	5	E	3	b	1025.3	+2	9	+9	NE	4	—	—	—	—
	Kharkov	1027.0	36	NW	2	b	1026.3	0	7	+1	NE	2	—	—	—	—
	Kishinev	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Elisabetgrad	1021.0	21	ENE	3	b	—	—	—	—	—	—	—	—	—	—
	Nicolaiev	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MEDITERRANEAN.	Odessa	1016.7	36	ESE	4	0	—	—	—	—	—	—	—	—	—	—
	Tarkhankout	—	—	—	—	—	1014.9	0	39	-4	N	2	0	37	—	—
	Soukhom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Venice	997.4	45	NE	2	r	1004.0	—	45	+2	ESE	1	r	45	43	—
	Pesaro	996.6	36	WNW	5	s	1003.3	—	37	-2	S	1	b	34	43	33
	Rome	1000.9	43	SW	1	0	1002.8	—	41	-3	SE	1	0	7	46	39
	Viesti	1000.2	45	SSW	2	b	1002.9	—	45	-3	SW	1	b	1	48	43
	Brindisi	1002.7	50	SSE	2	b	1005.0	—	50	-2	SW	2	b	—	55	48
	Cagliari	1006.6	52	NW	3	b	1006.8	—	46	0	NW	3	b	—	59	44
	Palermo	1005.9	50	SSE	2	b	1007.6	—	46	-6	—	0	r	6	64	44
SWEDEN.	Tripoli	—	—	—	—	—	1011.4	—	46	-4	SE	5	0	—	57	43
	Algiers	1013.1	48	W	1	b	1013.1	+1	45	-1	SW	2	c	—	54	43
	Hernösand	1037.0	-2	—	0	b	1039.4	—	-8	-24	N	2	b	—	—	—
	Stockholm	1036.3	14	N	2	b	1042.9	—	5	-18	N	2	b	—	—	—
	Wisby	1031.9	25	NE	2	b	1039.4	—	16	-14	ENE	2	b	—	—	—

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles	7	18
France	7	18
Norway	7	18
Sweden	7	17
Denmark	7	18
Holland	7	18
Italy	7	20
Egypt	6	18
Corunna	7	16
Madrid	8	16
Lisbon	7	21
Azores	8	17
Madeira	7	21
Malta	8	—
Linnassol	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	Hr.	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	Hr.
	Night.	Day.	Max.	Min.	Forenoon.	Afternoon.				Night.	Day.	Max.	Min.	Forenoon.	Afternoon.		
	1st-5h.	6h-12h.								1st-5h.	6h-12h.						
Scotland.	Oban	—	—	39	33	o.b.c.	0	0.0	England, E.	Lowestoft	—	—	41	36	0	0	0.0
	Banff	—	Trace	37	34	oprc	c.b.c	0.0		Felixstowe	—	—	38	33	0	0	0.0
	Montrose	—	—	—	—	—	—	—		Walton-on-Naze	—	—	—	—	—	—	—
	Carnoustie	*	*	—	—	—	—	—		Southend-on-Sea	Trace	—	38	33	0.	0.	0.0
	St. Andrews	—	1	39	34	0	0.	0.0									
Eng. N.E.	Harrogate	1	1	34	32	ops. op	ops. o	0.0	England, S.E.	Margate	Trace	—	39	36	0.	0.	0.0
	Skegness	1	Trace	38	35	o	orh	0.0		Ramsgate	—	—	39	35	0	0	0.0
Eng. N.W.	Morecambe	—	—	38	33	0	0	0.0		Hastings	1	—	37	34	0	0	0.0
	Southport	—	—	37	34	0	0	0.0		Eastbourne	Trace	—	38	35	0	0	0.0
Midlands.	Leamington Spa	—	—	—	—	—	—	—		Seaford	—	—	37	34	0	0	0.0
	Malvern	—	—	—	—	—	—	—		Brighton	—	—	87	35	0	0	0.0
	Ross-on-Wye	1	Trace	36	33	om	om	0.0		Worthing	—	—	37	34	0	0	0.0
Wales.	Rhyl	—	Trace	37	31	g	g	0.0	England, S.W.	Littlehampton	Trace	—	37	34	0	0	0.0
	Colwyn Bay	*	*	37	34	o.c.	c.	0.0		Bognor	—	—	—	—	—	—	—
	Llandudno	*	*	38	35	0	0	0.0		Bournemouth	—	—	37	31	0	0	0.0
	Aberystwyth	*	*	38	32	Mo.c	Co.o	0.0		Weymouth	—	—	—	—	—	—	—
	Tenby	—	—	—	—	—	—	—		Torquay	—	—	39	31	0	0	0.0
									Paignton	—	—	—	—	—	—	—	
									Penzance	—	—	40	29	0.2	of	0.0	
									Newquay	—	—	36	28	0	0	0.0	
									Bude	—	—	42	26	0	0	0.0	
									Ilfracombe	—	1	39	32	C. op	po	0.0	
									Weston-s-Mare	—	Trace	38	34	do	0	0.0	

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

20 th and 21 st January 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.53 7.52	12.4 12.4	4.15 4.16
Greenwich	7.56 7.55	12.11 12.11	4.26 4.27
Wick	8.44 8.42	12.23 12.23	4.3 4.5
Valencia	8.39 8.38	12.52 12.52	5.5 5.6

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 38° in many parts of the Kingdom. Slight rain fell over a considerable area, and the day was almost sunless.

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

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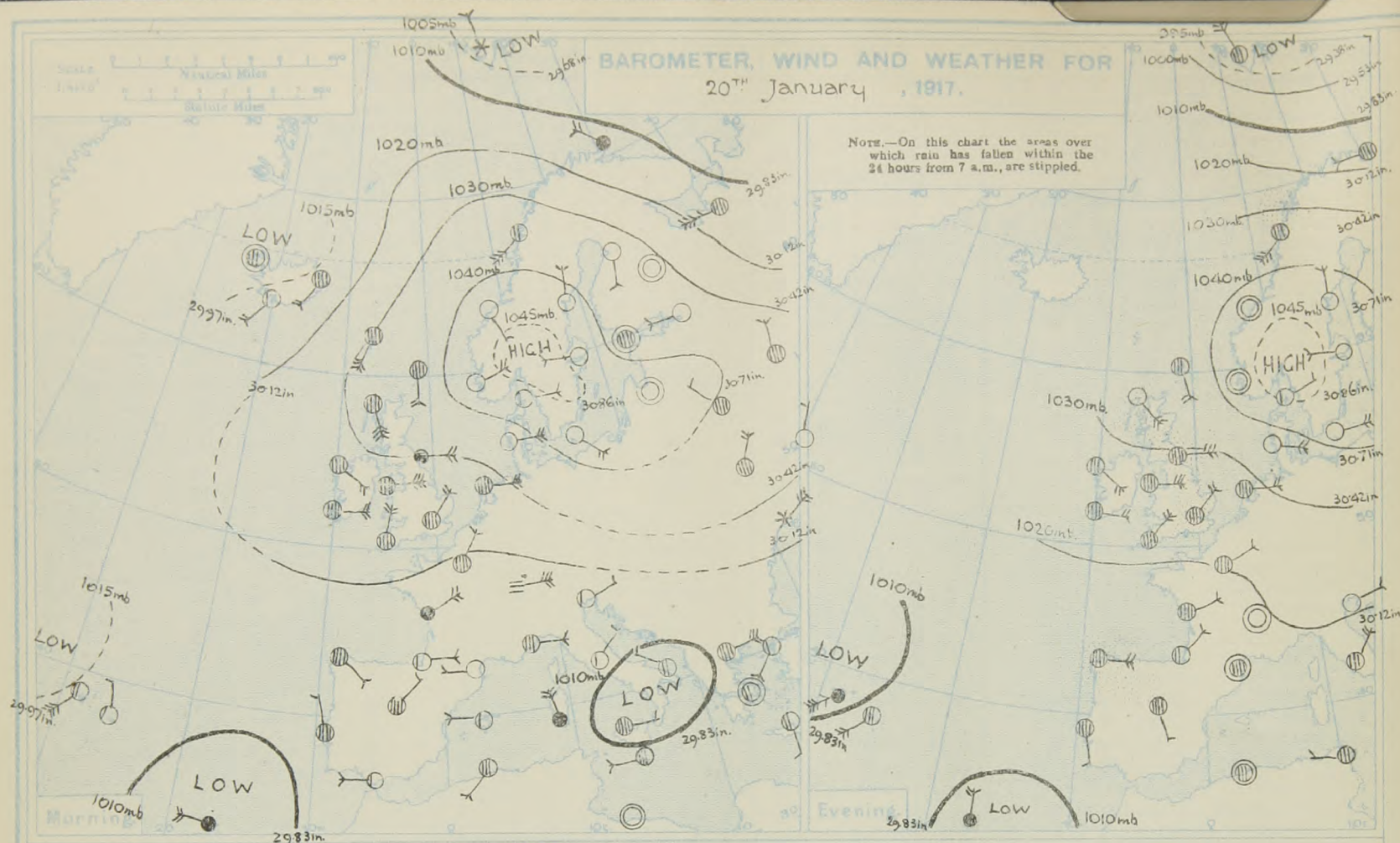
Sunday.
21st January.

RAINFALL.

Equivalents of Millimetres
in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·11
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

Temperatures at Greenwich and Camden Square are from Gläzher screens.



FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay 11

Wind mainly South-Easterly, light or moderate, fresh or strong on coast; mostly dull, some slight wintry precipitation; colder.

Wind mainly Easterly, light or moderate, fresh or strong on coast; dull generally, some slight wintry precipitation; colder.

Same as Nos. 0 to 2.

Wind between South-East and North-East, light or moderate; dull, mist locally; cold.

Wind mainly between East and South-East, light or moderate; mostly dull, slight rain or sleet locally; cold.

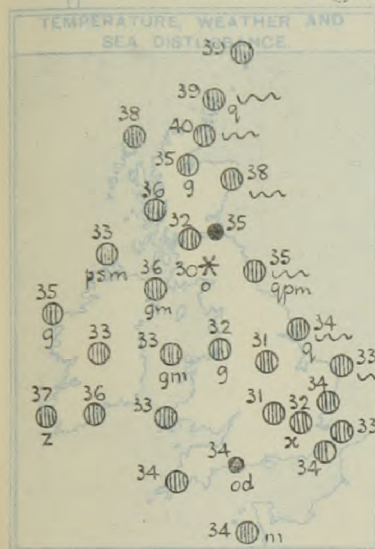
Wind light or moderate from some Easterly point; sea slight; cloudy or overcast.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF SUNDAY, 21ST JANUARY, 1917.

GENERAL INFERENCE.

The large anticyclone over Scandinavia and the Baltic region will continue to dominate the weather conditions over the United Kingdom.



EXPLANATION.

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

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

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

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

WEATHER.—Shown by the following symbols:—

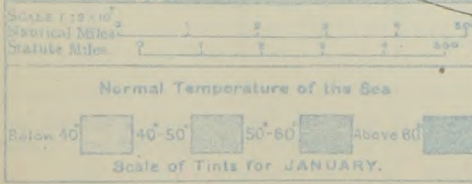
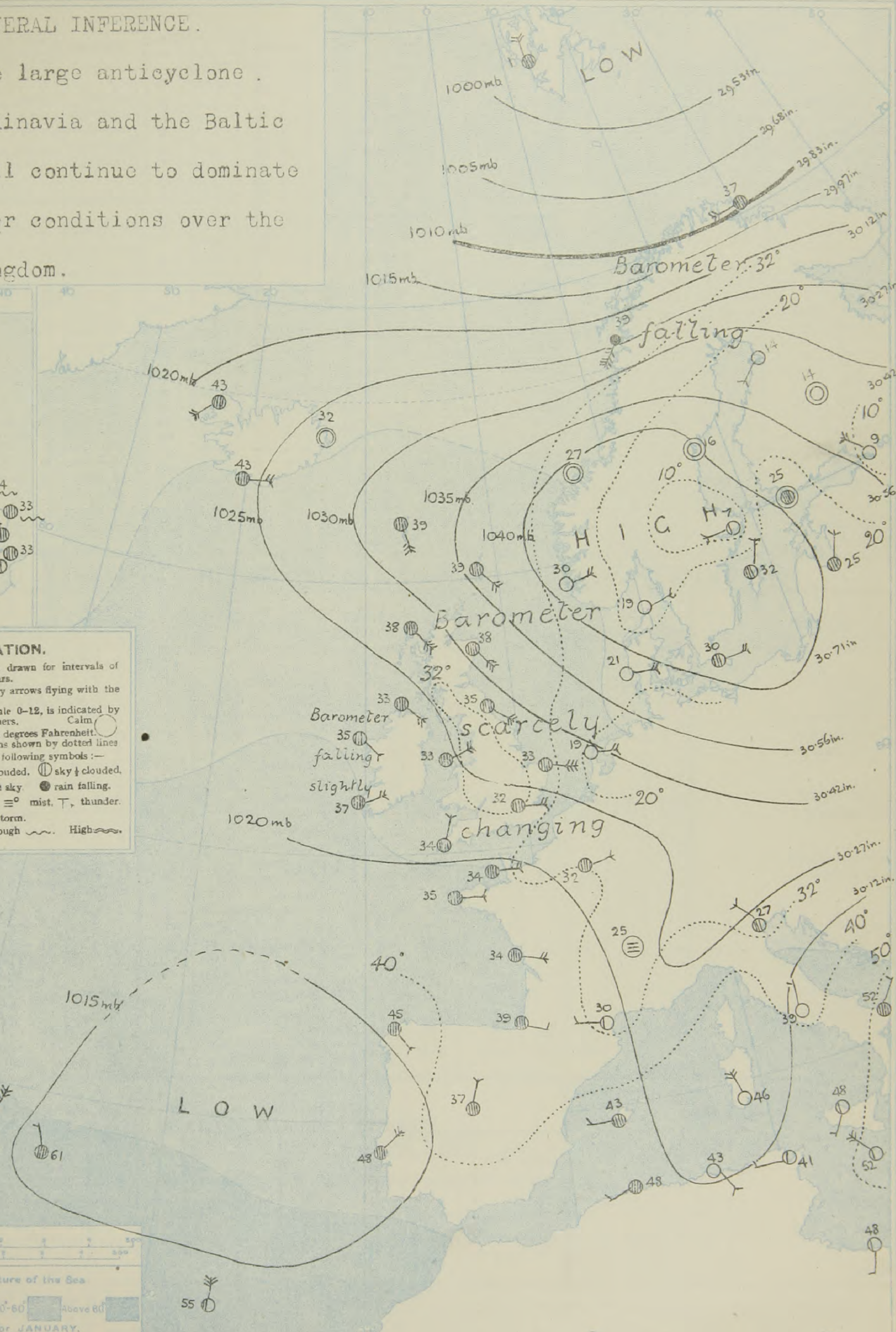
○ clear sky. ○ sky ½ clouded. ○ sky ¾ clouded.

● overcast sky. ● rain falling.

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

⚡, thunderstorm.

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



REPORTS FOR YESTERDAY.

REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.				PAST 24 HOURS.				MORNING.							
	Barom. Millibars at M.S.L.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Rain-fall. Millimetres.	TEMP.		ICELAND.	Barom. Millibars at M.S.L.	TEMP.		WIND.		
		Temp.	Dir.		Force 0-12.	Millibars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.		Force 0-12.	Weather.			Max.	Min.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.	Weather.
RUSSIA 7 a.m. and 9 p.m. Local Time.																				
Archangel					1013.5	0	30	+21	W	7	0	-	* 16	Isafjord	1011.9	32	-14	-	0	C
Gorki	1035.5	5	-	0	1039.5	0	9	+9	NW	1	0	-	* 5	Reykjavik	1015.3	34	-5	SW	2	6
Veliki Luki	1037.5	14	NW	2	1040.2	*	14	+18	SW	2	5	-	* 12	Vestmanna	1017.2	39	+9	SW	3	6
Hangö					1039.7	0	16	+9	WNW	1	0	-	* -4	Seydisfjord	1017.0	43	0	SW	3	0
Riga	1042.6	10	-	0	1043.0	0	9	+2	-	0	0	-	* 7	Thorshavn	1030.0	41	+2	SSW	1	r
Petrograd	1035.3	16	W	4	1035.0	-1	12	+2	W	2	0	-	16 10							
Moscow	1033.9	5	N	1	1036.2	0	3	+4	N	2	0	-	* 0							
Kiev	1032.8	9	NE	4	1038.4	0	0	-9	NNE	3	0	-	* -2							
Kharkov	1029.1	16	NE	3	1034.3	0	0	-7	NNE	1	0	-	* 0							
Kishinev													*							
Elisabetgrad	1025.2	18	NE	4	1031.4	+1	10		NE	4	0	1	* 10							
Nicolaiev	1018.9	27	NNE	7	1025.2	*	21		NNE	6	0	1	* 21							
Odessa	1018.6	28	ENE	5	1025.7	+1	21		ENE	5	5	11	* 21							
Tarkhankout	1011.9	37	NE	1		*							*							
Soukhom	1012.7	52	ENE	2	1013.0	0	52	+13	ENE	1	0	-	* 46							
MEDITERRANEAN.																				
Venice	1008.9	43	ENE	2	1015.6	*	39	-6	ENE	1	0	1	48 39	British Isles			b.		b.	
Pesaro	1009.9	36	WNW	5	1014.0	*	37	0	SSW	1	r	13	48 34	France			7		18	
Rome	1007.7	41	NE	1	1011.3	*	36	-5	NE	1	0	1	48 36	Norway			7		18	
Viesti	1008.7	45	SE	1	1009.7	*	43	-2	NW	1	0	1	48 34	Sweden			7		17	
Brindisi	1008.1	46	SW	1	1008.6	*	43	-7	WNW	1	0	-	57 43	Denmark			7		18	
Cagliari	1007.6	54	W	4	1012.1	*	48	+2	NNE	4	r	8	61 43	Holland			7		18	
Palermo	1008.3	46	ENE	1	1009.6	*	46	0	E	1	0	2	63 43	Italy			7		20	
Tripoli					1014.6	*	41	-5	NW	1	0	-	64 39	Egypt			6		18	
Algiers	1013.6	50	-	0	1013.9	+1	50	+5	SW	2	0	-	54 48	Corunna			7		16	
SWEDEN.																				
Hernösand	1041.0	-8	N	2	1040.8	*	-7	+1	N	2	0	*	* *	Madrid			8		16	
Stockholm	1043.8	7	W	2	1043.4	*	-3	-8	W	2	0	*	* *	Lisbon			7		21	
Wisby	1042.4	18	NE	2	1044.2	*	27	+11	WNW	2	0	*	* *	Azores			8		17	

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles	7	18
France	7	18
Norway	7	18
Sweden	7	17
Denmark	7	18
Holland	7	18
Italy	7	20
Egypt	6	18
Corunna	7	16
Madrid	8	16
Lisbon	7	21
Azores	8	17
Madeira	7	21
Malta	8	—
Limassol	6	—

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	—
Limassol ...	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall		TEMPERATURE.		WEATHER.		Sun-shine	STATIONS.	Rainfall		TEMPERATURE.		WEATHER.		Sun-shine
	Night.	Day.	Max.	Min.	Forenoon.	Afternoon.			Night.	Day.	Max.	Min.	Forenoon.	Afternoon.	
	12h-1h.	1h-18h.	° F.	° F.					12h-1h.	1h-18h.	° F.	° F.			
Scotland.	Oban ...	-	38	34	0	0	0.0	England, E.	Lowestoft ...	-	35	31	05	0p	0.0
	Banff ...	-	38	34	c.6c	6c.c	0.0		Felixstowe ...	-	35	31	05	0p	0.0
	Montrose ...	-	38	34	c.6c	6c.c	0.0		Walton-on-Naze ...	-	35	31	05	0p	0.0
	Carnoustie ...	-	38	34	c.6c	6c.c	0.0		Southend-on-Sea ...	-	35	31	05	0p	0.0
	St. Andrews ...	-	38	34	c.6c	6c.c	0.0								
Eng. N.E.	Harrogate ...	1.4	32	29	50.5	50	0.0	England, S.E.	Margate ...	-	34	32	0	0	0.0
	Skegness ...	*	33	31	05p	05p	0.0		Ramsgate ...	-	33	30	00	0	0.0
Eng. N.W.	Morecambe ...	-	37	33	0	0	0.0		Hastings ...	-	36	31	0	05.0	0.0
	Southport ...	-	37	33	0	0	0.0		Eastbourne ...	-	34	33	0	0	0.0
Midlands.	Leamington Spa ...	-	33	30	0	0	0.0		Seaford ...	-	36	32	0	0	0.0
	Malvern ...	-	33	30	0	0	0.0		Brighton ...	-	36	32	0	0	0.0
	Ross-on-Wye ...	0.2	33	30	0	0	0.0		Worthing ...	0.1	34	32	0	0	0.0
Wales.	Rhyl ...	-	38	33	0	0	0.0	England, S.W.	Littlehampton ...	0.1	34	32	0	0	0.0
	Colwyn Bay ...	-	38	33	0	0	0.0		Bognor ...	-	34	31	0	0	0.0
	Llandudno ...	-	38	33	0	0	0.0		Bournemouth ...	-	34	31	0	0	0.0
	Aberystwyth ...	-	36	33	0.0.c	c.0	0.0								
	Tenby ...	-	36	33	0.0.c	c.0	0.0		Weymouth ...	-	38	35	0	0	0.0

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

2 nd and 22 nd Jan. 1917.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.52	12.4	4.16
Greenwich ...	7.51	12.5	4.18
Wick ...	7.55	12.11	4.27
Valencia ...	7.54	12.12	4.29
	8.42	12.23	4.5
	8.40	12.24	4.7
	8.38	12.52	5.6
	8.27	12.53	5.8

PILOT BALLOON ASCENTS for the PAST WEEK

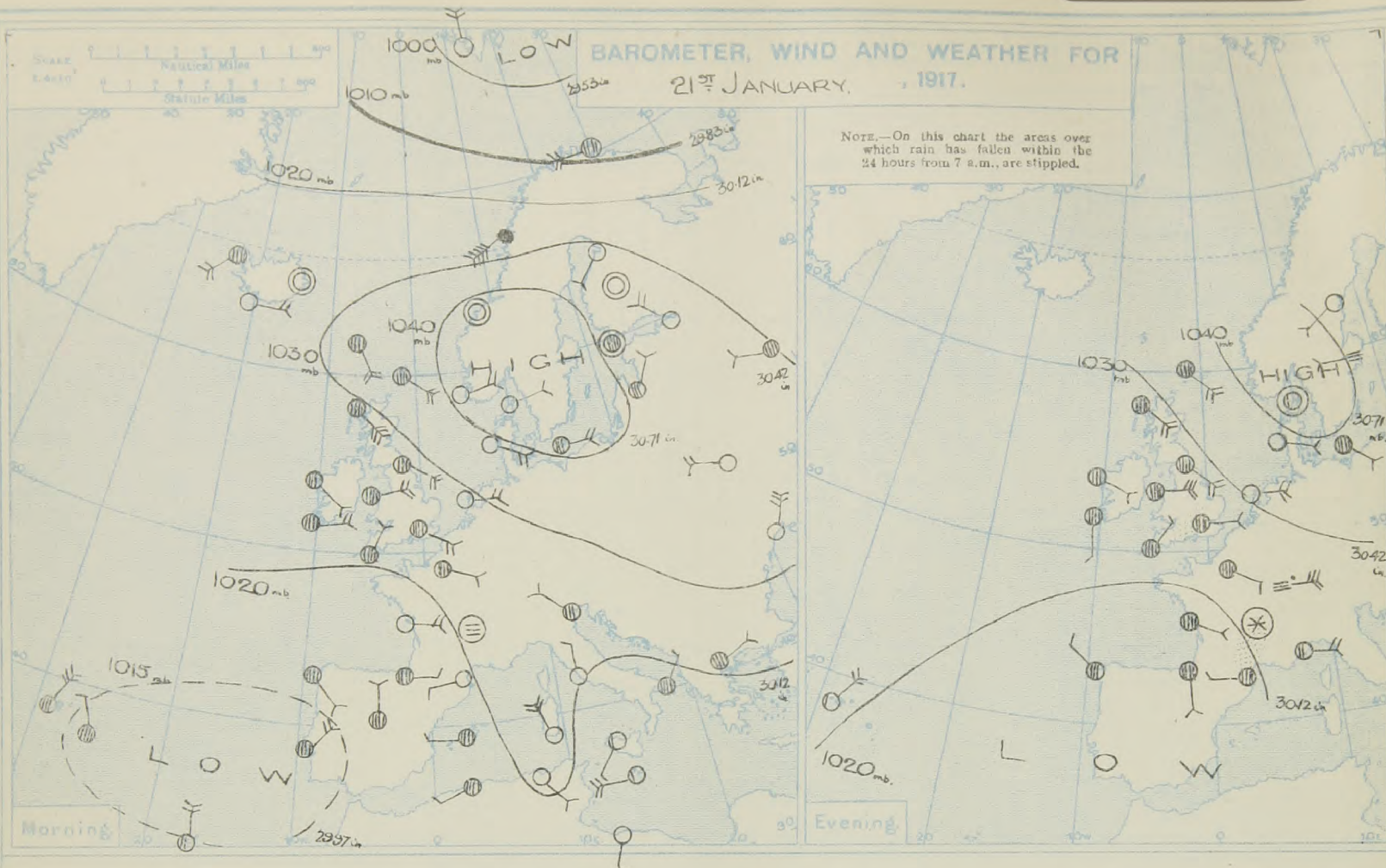
Component Velocities to East and to North in metres per Second.

STATION.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
Date and Hour.												
Yarmouth ...												
Greenwich ...												
Wick ...												
Valencia ...												

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

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STATIONS.	YESTERDAY EVENING.					THIS MORNING.										PAST 24 HOURS.						Sun- shine for Yester- day Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer.		Temp.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 5 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1035.7	39	SE	4	0	1035.4	0	40	+1	SSE	3	-	0	3	-	40	39	0	0	0.0	0.0
	Deerness (Orkney)	1032.2	39	ESE	6	0	1033.2	0	40	+1	SE	5	-	0	4	-	40	39	0	0	0.0	0.0
	Stornoway	1028.9	34	SE	4	-	1031.1	-	39	+1	SE	2	-	0	2	-	40	39	0	0	0.0	0.0
	Castlebay (Barra Isd.)	1029.4	34	E	1	0	1031.7	+2	32	0	ENE	1	-	0	2	-	34	31	0	0	0.0	0.0
	Glasgow	1029.5	32	ENE	3	0	1031.6	+1	31	+1	NE	3	-	0	2	-	32	29	0	0	0.0	0.0
	Eskdalemuir	1026.9	33	SE	3	0	1029.4	+2	34	+1	SE	3	-	0	2	-	36	33	0	0	0.0	0.0
	Malin Head	1025.3	35	ESE	2	0	1027.8	+2	34	-1	ESE	2	SE	0	2	-	36	33	0	0	0.0	0.0
	Blacksod Point	1024.1	36	S	1	0	1027.1	+2	30	-7	E	2	-	0	3	-	41	28	0	0	0.0	0.0
	Valencia	1024.8	35	NE	2	0	1027.4	0	35	-1	NE	2	-	0	2	-	38	34	0	0	0.0	0.0
	Roche's Point	1025.9	33	NNE	1	0	1028.5	0	32	-1	NNE	1	-	0	2	-	34	32	0	0	0.0	0.0
	Donaghadee	1026.1	36	SE	4	0	1028.7	+1	36	0	SE	3	-	0	3	-	36	35	0	0	0.0	0.0
	Liverpool (Bidston)	1027.1	33	E	2	0	1028.3	0	33	+1	ENE	3	-	0	3	-	33	31	0	0	0.0	0.0
	Holyhead	1026.0	34	E	5	0	1028.0	+1	34	+1	E	3	-	0	3	-	34	33	0	0	0.0	0.0
	Pembroke (St. Ann's)	1024.2	33	ENE	3	0	1026.7	+2	32	-1	NNE	3	-	0	0	-	34	31	0	0	0.0	0.0
	Scilly (St. Mary's)	1022.3	35	NE	1	0	1025.0	+1	34	0	NE	2	NE	0	2	-	37	33	0	0	0.0	0.0
	Falmouth	1020.9	35	ENE	2	0	1023.5	0	37	+3	E	3	-	0	2	-	37	31	0	0	0.0	0.0
NORTHERN EUROPE.	Jersey (St. Aubin)	1021.9	33	NE	5	0	1024.4	+2	33	-1	NE	4	-	0	4	-	35	33	0	0	0.0	0.0
	Portland Bill	1022.1	34	E	4	0	1024.2	+2	35	+1	E	3	-	0	3	-	35	34	0	0	0.0	0.0
	Dungeness	1025.4	32	SE	2	0	1026.3	+1	33	0	E	2	E	0	4	-	33	31	0	0	0.0	0.0
	Dover	1031.7	39	SE	5	0	1032.8	+2	40	0	SE	4	-	0	5	-	40	38	0	0	0.0	0.0
	Wick	1030.4	36	ESE	1	0	1032.6	0	28	-7	-	0	-	0	1	-	38	27	0	0	0.0	0.0
	Nairn	1031.8	38	SE	4	0	1033.6	+1	38	0	SE	3	-	0	4	-	39	37	0	0	0.0	0.0
	Aberdeen	1029.5	36	E	2	0	1031.9	+1	36	+1	E	1	E	0	3	-	37	30	0	0	0.0	0.0
	Leith	1028.7	37	SE	4	0	1030.5	+1	37	+2	E	3	E	0	4	-	37	35	0	0	0.0	0.0
	Tynemouth	1027.6	34	ESE	4	0	1028.0	0	33	-1	ESE	5	-	0	5	-	34	31	0	0	0.0	0.0
	Spurn Head	1026.4	34	SE	6	0	1027.4	+1	34	+1	ESE	5	-	0	5	-	38	31	0	0	0.0	0.0
	Yarmouth	1025.2	34	ENE	3	0	1026.5	0	34	0	ENE	3	-	0	2	-	34	32	0	0	0.0	0.0
	Clacton-on-Sea	1025.7	32	E	3	0	1025.2	0	32	+1	E	3	E	0	2	-	32	30	0	0	0.0	0.0
	Nottingham	1024.1	31	NE	1	0	1026.4	+1	30	-1	NE	3	-	0	2	-	32	29	0	0	0.0	0.0
	Benson (Ozon.)	1023.8	32	E	2	0	1025.4	+1	31	0	NE	2	-	0	2	-	32	29	0	0	0.0	0.0
	St. Farnborough	1024.8	33	E	2	0	1025.5	+1	31	-1	E	2	-	0	2	-	34	30	0	0	0.0	0.0
	London (Kew Obsv.)	1024.8	33	E	2	0	1025.5	+1	31	-1	E	2	-	0	2	-	34	30	0	0	0.0	0.0
FRANCE, &c.	Spitsbergen	1011.3	-9	S	1	0	1018.1	+2	-8	-9	S	2	-	0	2	-	1	-29				
	Vardö	1004.7	36	W	2	0	1011.0	+5	30	-7	N	4	-	0	5	-	37	30				
	Bodö	1023.3	39	W	6	0	1029.3	0	37	-2	NW	4	-	0	2	-	39	36				
	Christiansund	1040.8	34	-	0	0	1038.7	0	36	+9	WSW	2	-	0	4	-	36	23				
	Skudesnaes	1038.4	28	R	3	0	1038.4	-2	18	-12	ENE	2	-	0	3	-	34	16				
	Færder (X'ania Fjord)	1047.9	18	N	2	0	1039.7	0	16	-2	N	1	-	0	0	-	18	16				
	The Scaw (Skagen)	1044.2	21	-	0	0	1040.8	-1	21	+2	ENE	1	-	0	1	-	27	18				
	Blaavands Huk	1038.3	21	ESE	2	0	1037.9	0	21	0	ESE	3	-	0	3	-	27	16				
	Copenhagen	1044.2	28	ESE	2	0	1039.4	0	32	+7	NNE	2	-	0	2	-	32	23				
	Bornholm	1039.5	32	SE	2	0	1037.9	0	32	+2	NNE	2	-	0	1	-	32	28				
	The Helder	1023.9	23	E	4	0	1031.4	+1	18	-1	E	2	-	0	1	-	25	18				
	C. Gris Nez	1023.3	29	E	3	0	1023.8	+1	31	+2	ESE	3	-	0	2	-	31	28				
	La Hève	1023.3	30	ESE	3	0	1024.0	0	30	0	E	3	-	0	2	-	32	30				
	Brest (St. Mathieu)	1021.6	36	ENE	1	0	1023.3	+1	35	0	ENE	3	-	0	2	-	37	34				
	Rochefort (De d'Aix)	1018.6	37	ESE	3	0	1020.4	+1	37	+2	ESE	3	-	0	2	-	39	34				
	Biarritz	1018.1	46	S	2	0	1019.9	0	45	+6	SW	2	-	0	2	-	48	39				
SOUTHERN STATIONS.	Paris	1022.9	30	ESE	1	0	1023.9	+1	30	-2	NE	1	-	0	2	-	36	27				
	Belfort	1025.1	30	E	5	0	1027.0	0	25	-	E	4	-	0	2	-	35	25				
	Lyons	1023.2	30	-	0	0	1023.7	0	32	+7	-	0	-	0	2	-	34	25				
	Nice	1022.3	42	E	3	0	1022.1	+1	39	-	-	0	-	0	4	-	50	37				
	Perpignan	1018.7	45	W	1	0	1019.9	+1	39	+9	W	1	-	0	2	-	52	30				
	Sanguinaire																					
	Corunna	1017.3	52	NW	1	0	1023.8	+3	46	+1	E	3	-	0	1	-	54	41				
	Madrid	1017.3	43	-	0	0	1021.7	+3	36	-1	NE	2	-	0	1	-	43	36				
	Lisbon																					
	Azores (Horta)	1020.2		NE	4	0																
	Madeira																					
	Gibraltar																					
	Malta																					
	Limassol																					
	Alexandria																					
	Cairo (Helwan)																					
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for Yester- day Hours.	24 HOURS ENDED 9 P.M. TO-DAY.										SOUTH KENSINGTON.							
		9 a.m. Yester- day.	9 p.m. To- day.		TEMPERATURE.			Rain- fall.	WEATHER.													
		°F.	°F.		Max.	Min.	on Grass.		Morn- ing.	After- noon.	Night.											
GREENWICH (Royal Observatory)		79	94	0.0	33	30	30	0.0	odp	odp	odp	Vertical Components of Solar Radiation per square Centimetre during Yesterday.										
CITY (Bunhill Row)		79	94	0.0	33	30	30	0.0	odp	odp	odp											
WESTMINSTER (St. James's Park)		73	98	0.0	34	31	32	0.2	osm	osm	osdm	Temperatures at Greenwich and Cam- den Square are from Glaisher screens.										
CAMDEN SQ. (British Rainfall)		73	97	0.0	33	30	31	1	omx	comx	omx											
HAMPSTEAD (Reservoir)			100	0.0	31	27	24	0.0	omx	comx	omx	Total.										
S. KENSINGTON (Museum Grounds)			97	0.0	35	31	31	0.2	ogm	odgm												



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

**NO
WARNINGS
ISSUED.**

Western Channel and Bay II

Wind mainly South-Easterly, light or moderate; variable sky, rather low temperature.

Wind light or moderate from some Easterly point, dull generally, some slight cold precipitation, mist locally; no great change of temperature.

Same as Nos. 0 and 1.

Wind light between North-East and South-East, cloudy or overcast generally, mist in places, no great change of temperature.

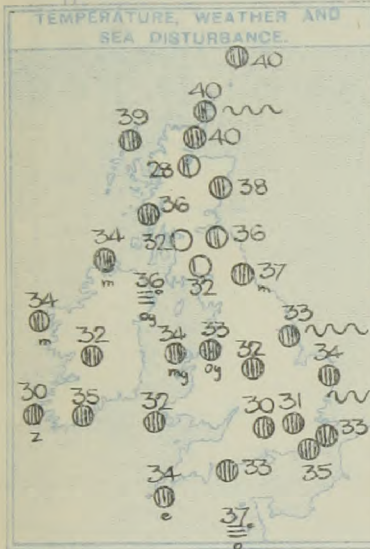
North-Easterly and Easterly winds, light, sea slight or smooth, cloudy or overcast.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF MONDAY, 22ND JANUARY, 1917.

GENERAL INFERENCE.

There are still no indications of any material change in the general distribution of pressure.



EXPLANATION.

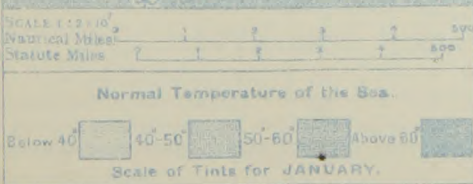
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

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

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

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



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.						PAST 24 HOURS.		MORNING.									
	Barom. Milli- bars at M.S.L.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
		Temp.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Force 0-12.	Weather.		Max.	Min.			Temp.	Force 0-12.	Weather.				
RUSSIA 7 a.m. and 9 p.m. Local Time.																						
Archangel ...					1022.4	0	28	-2	W	3	0	-	*	12	Isafjord ...	1022.9	43	+7	SW	4	0	
Gorki ...	1037.1	9	-	0	1034.1	-1	18	+9	NW	1	0	-	*	5	Reykjavik ...	1022.6	41	+7	E	2	0	
Veliki Luki ...	1036.2	14	SW	2	1036.2	*	18	+4	WNW	2	0	-	*	12	Vestmanna ...	1024.4	43	+4	E	3	0	
Hangö ...	1039.3	23	WNW	1	1039.1	0	25	+9	WNW	1	0	-	*	5	Seydisfjord ...	1027.4	32	+9	-	0	6	
Riga ...	1039.7	21	-	0	1039.5	0	25	+16	NNE	2	0	-	*	4	Thorshavn ...	1034.4	39	-2	SSE	1	r	
Petrograd ...	1034.7	14	WNW	3	1034.7	0	9	+3	NW	3	6	-	18	6								
Moscow ...	1031.0	12	WNW	3	1031.0	0	12	+9	NW	2	0	-	*	10								
Kiev ...	1040.8	5	N	2	1038.0	-3	5	+5	NW	3	6	-	*	0								
Kharkov ...	1037.6	-2	-	0	1034.0	-2	3	+3	NW	1	0	-	*	-4								
Kishinev ...																						
Elisabetgrad ...	1037.1	7	NNW	4	1036.0	-2	5	-5	NW	3	6	-	*	3								
Nicolaiev ...	1033.3	16	NE	5	1035.8	*	7	-14	NE	2	6	-	*	7								
Odessa ...	1033.1	16	ENE	6	1034.9	+1	9	-12	NE	5	6	-	*	7								
Tarkhankout ...	1032.0	25	NE	7	1029.6	*	16	-	NE	5	6c	-	*	16								
Soukhom ...	1012.2	48	SW	1	1012.7	0	45	-7	-	0	r	-	*	45								
MEDITERRANEAN.																						
Venice ...	1021.3	39	E	2	1024.5	*	737	-2	NW	2	c	-	46	36								
Pesaro ...	1019.7	45	N	1	1023.9	*	39	-2	W	3	0	-	50	39								
Rome ...	1015.0	45	NE	3	1019.3	*	39	+3	N	1	6	-	48	39								
Viesti ...	1011.1	48	W	2	1018.4	*	46	+3	NE	1	6c	10	52	41								
Brindisi ...	1012.6	46	SW	1	1014.9	*	52	+9	NE	1	0	-	54	43								
Cagliari ...					1020.7	*	46	-2	NNW	4	6	-	49	39								
Palermo ...	1013.5	48	-	0	1018.6	*	48	+2	SW	1	6	4	63	43								
Tripoli ...	1015.9	50	SW	2	1018.7	*	48	+7	SSW	1	6	-	57	41								
Algiers ...	1020.3	52	-	0	1019.9	*	48	-2	WSW	1	0	Trace	57	48								
SWEDEN.																						
Hernösand ...	1041.5	10	N	2	1040.0	*	16	+9	-	0	6	*	*	*								
Stockholm ...	1043.3	7	W	2	1043.0	*	7	+4	W	2	6	*	*	*								
Wisby ...	1042.1	30	WNW	4	1042.0	*	32	+5	NNE	2	c	*	*	*								

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	—
Limassol ...	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine			
	Night.	Day.	Max.	Min.	Forenoon.	Afternoon.			Night.	Day.	Max.	Min.	Forenoon.	Afternoon.				
	1st-9h.	9h-1st h.							1st-9h.	9h-1st h.								
Scotland.	Min.	Mm.	° F.	° F.			Hr.	England, E.	Mm.	Mm.	° F.	° F.			Hr.			
	—	1	36	33	S	0	0.0		Lowestoft ...	—	—	34	31	0	0	0.0		
	—	—	38	36	0.0	0	0.0		Felixstowe ...	—	—	34	31	0	0	0.0		
	—	—	—	—	—	—	—		Walton-on-Naze ...	—	—	33	32	0	0	0.0		
	—	—	—	—	—	—	—		Southend-on-Sea ...	—	—	33	32	0	0	0.0		
Eng. N.E.	Harrogate ...	1	1	31	28	osp	osp	0.0	England, S.E.	Margate ...	—	—	33	30	0	0	0.0	
	Skegness ...	1	—	35	32	0	0	0.0		Ramsgate ...	—	Trace	34	32	0.0	0	0.0	
Eng. N.W.	Morecambe ...	—	—	34	31	amd	0	0.0		Hastings ...	—	—	35	33	0	0	0.0	
	Southport ...	—	—	34	31	amd	0	0.0		Eastbourne ...	—	—	35	33	0	0	0.0	
	Midlands.	Leamington Spa ...	—	—	34	31	amd	0		0.0	Seaford ...	—	—	35	33	0	0	0.0
		Malvern ...	—	—	34	31	amd	0		0.0	Brighton ...	—	Trace	33	31	0	0	0.0
		Ross-on-Wye ...	—	—	34	31	amd	0		0.0	Worthing ...	—	Trace	33	31	0	0	0.0
Weymouth ...		—	—	34	31	amd	0	0.0		Littlehampton ...	—	—	33	31	0	0	0.0	
Wales.	Rhyl ...	—	—	34	30	cg	0	0.0	Bognor ...	—	—	32	30	me	me.x	0.0		
	Colwyn Bay ...	—	—	33	31	0	0.0	Bournemouth ...	—	—	32	30	me	me.x	0.0			
	Llandudno ...	—	—	34	31	0	0.0	Weymouth ...	—	—	39	32	0	0	0.0			
	Aberystwyth ...	—	—	36	30	0.0	0.0	Torquay ...	—	—	39	32	0	0	0.0			
	Tenby ...	—	—	36	30	0.0	0.0	Paignton ...	—	—	35	32	0	0	0.0			

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

22. and 23. Jan. 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.51 7.50	12.5 12.5	4.18 4.20
Greenwich ...	7.54 7.53	12.12 12.12	4.29 4.31
Wick ...	8.40 8.39	12.24 12.24	4.7 4.9
Valencia ...	8.37 8.36	12.53 12.53	5.8 5.10

NOTES ON YESTERDAY'S WEATHER.

Temperature barely exceeded 32° over a considerable portion of the kingdom, but the frost at night was not severe. Scarcely any bright sunshine was recorded, at most stations there was none. Slight rain, sleet or snow fell in various localities.

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

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 23

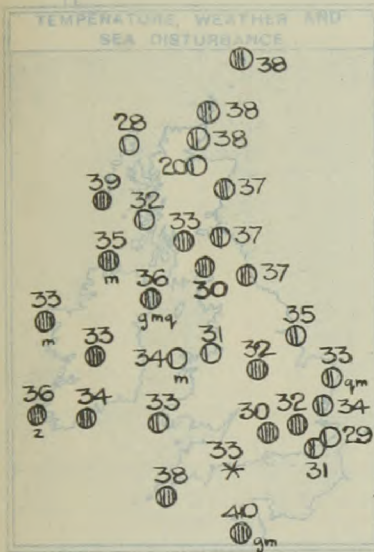
Tuesday, 23rd January

STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.						Sun- shine for Yester- day Hours.
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1025.7	39	SSE	3	c	1036.5	0	38	-2	SSE	2	-	c	2	-	41	38	c	c. bc	c	0.6
	Deerness (Orkney)	1034.5	40	SE	4	bc	1034.9	*	38	-2	SE	3	-	c	3	-	41	38	c	c. b	bc. c	0.6
	Stornoway	1032.8	33	-	0	bcz	1033.7	0	28	-11	-	0	-	b	0	-	46	26	o cz	bcz	b	2.0
	Castlebay (Barra Isd.)	1032.6	38	SE	4	o	1033.0	0	39	0	ESE	4	SE	o	5	-	39	37	o	o	o	0.0
	Glasgow	1033.2	33	E	2	o	1033.8	0	33	+1	E	1	-	o	*	-	35	28	b	b. bc. c	obbc. o	4.8
	Eskdalemuir	1033.2	32	NE	3	o	1033.8	0	30	-1	NE	2	-	o	*	-	33	23	bc. c	c. o	obmbc	1.7
	Malin Head	1020.7	33	SSE	4	om	1030.0	0	35	+1	SE	3	-	om	2	-	35	33	om	om.	om	0.0
	Blacksod Point	1028.6	35	SE	3	cm.	1026.9	-1	33	-1	SE	4	-	om	3	-	36	33	cm.	cm.	cm. cm.	*
	Valencia	1028.5	38	-	0	o	1025.4	-1	36	+6	SE	1	-	o	3	Trace	40	30	oz	oz	oz	0.0
	Roche's Point	1029.3	35	NNE	2	o	1027.0	*	34	-1	E	2	-	o	2	0.3	36	34	om	om	dp. c	*
	Birr Castle	1029.7	32	NNE	1	o	1028.2	*	33	+1	N	1	-	o	*	0.1	33	32	oe	o	o	0.0
	Donaghadee	1030.0	36	SSE	4	ogm	1030.2	0	36	0	SE	5	-	ogm.	4	-	38	35	ogm.	ogm.	ogm.	*
	Liverpool (Bidston)	1030.8	33	E	3	o	1030.4	-1	31	-2	ENE	2	-	b	2	-	34	30	ogz	ogz	o cz	0.0
	Holyhead	1029.2	35	E	3	ogm	1028.8	-2	34	0	E	4	-	bm	3	-	35	33	ogm	ogm	ogm. b	0.0
	Pembroke (St. Ann's)	1028.4	32	NE	3	o	1027.5	-2	33	+1	NE	3	E	bc	2	-	34	31	o	o	o. bc	0.0
	Scilly (St. Mary's)																					
	Falmouth	1026.9	35	NE	3	adm	1025.3	-1	38	+4	E	3	-	o	*	1	38	33	oe	oe. d. dm	ad. o	0.0
	Jersey (St. Aubin)	1025.8	37	ENE	3	om	1023.1	*	40	+3	NE	4	-	ogm.	3	Trace	40	36	om	om	om. dm	0.0
	Portland Bill	1026.4	35	ENE	3	o	1025.7	-2	33	0	NE	5	NE	os	4	1	37	32	og	o	dp. ds	*
	Dungeness	1026.3	37	NE	4	c	1025.8	-1	31	-4	ENE	5	NE	bc	5	-	37	31	o o	o c	c. bc	*
	Dover	1028.4	35	E	4	o	1028.4	+3	29	-4	NE	3	NE	b	4	-	36	29	o	dp. s	s. bc	0.0
	Wick	1034.2	40	SSE	3	bc	1035.0	-1	38	-2	SSE	3	-	bc	4	-	40	37	o. bc	bc. m	c. bc. m	*
	Nairn	1033.7	26	-	0	b	1034.9	*	20	-2	-	0	-	b	0	-	34	18	bc	bc. b	bx	6.3
	Aberdeen	1034.8	39	SE	3	c	1035.2	0	37	-1	ESE	2	-	c	3	-	42	37	c. bc	bc. c	c. c	2.0
	Leith	1033.4	36	E	1	o	1033.9	0	37	-1	E	1	E	c	3	-	38	35	c. bc. c	cg. u. o	og. u. c	*
	Tynemouth	1032.4	38	SE	3	om	1033.1	0	37	0	E	3	E	c	3	-	38	35	cm	om	c	*
	Spurn Head	1031.6	32	ESE	4	cg	1030.6	-1	35	+2	ESE	5	-	bc	4	Trace	35	32	ogs	o. cg	bc	0.0
	Yarmouth	1029.8	35	E	4	c	1029.3	-1	33	-1	ESE	5	-	b. qm	4	-	36	31	c	c	bc. q	0.6
	Clacton-on-Sea	1028.6	35	NNE	2	o	1027.9	-2	34	0	ENE	3	SE	bc	2	-	36	33	og	og	og. c. bc	0.0
	Nottingham	1030.7	32	E	2	o	1030.2	*	32	0	ENE	3	E	o	*	0.1	33	31	os	dp. s	o. c	0.0
	Benson (Oxon.)	1028.8	32	NE	1	o	1027.6	0	30	0	NE	3	-	o	*	-	32	30	o	o	o	*
	Sth Farnborough	1027.8	32	ENE	2	o	1026.6	-1	31	0	ENE	2	-	om	*	0.2	33	30	adm	d. om	os. om	0.0
	London (Kew Obsy.)	1028.9	34	NE	3	om	1027.6	-1	32	+1	NE	3	-	o	*	1	35	31	om	m	om. os. om	0.0
NORTHERN EUROPE.	Spitsbergen	1011.3	7	-	0	bc	1011.5	-2	27	+35	S	4	*	o	*	*	27	-8	UPPER AIR. South Farnborough. Pilot Balloon Ascent at 7.40 a.m. Wind at 300 metres ENE 7 m/s Surface NE 4			
	Vardö	1023.5	21	N	3	o	1015.0	-3	34	+4	NW	3	-	o	*	*	37	23				
	Bodö	1034.1	37	N	1	o	1018.7	0	37	0	W	1	-	bc	1	-	37	30				
	Christiansund	1039.8	37	NW	2	o	1032.2	0	36	0	-	0	-	o	4	1	37	25				
	Skudesnaes	1037.9	18	ENE	1	b	1037.6	0	19	+1	NE	3	-	b	1	-	27	16				
	Færder (X'ania Fjord)	1037.6	19	N	1	b	1036.8	0	?	?	N	4	-	bc	1	-	19	14				
	The Scaw (Skagen)	1038.0	25	NW	2	c	1036.2	0	27	+6	NE	2	-	b	2	-	28	21				
	Blaavands Huk	1037.7	25	ESE	1	o	1036.0	-1	25	+4	-	0	-	o	1	-	25	16				
	Copenhagen	1037.5	28	N	2	o	1035.3	-1	26	-6	NNE	3	-	o	*	-	32	23				
	Bornholm	1035.0	27	NW	3	o	1031.3	0	27	-5	NNW	3	-	s	1	Trace	32	23				
FRANCE, &c.	The Helder	1032.0	23	E	3	b	1031.7	-1	21	+3	ENE	4	-	o	2	-	27	18	NOTE:- Aurora was observed at Deerness last night.			
	C. Gris Nez	1026.0	31	E	4	o	1028.8	0	21	-10	E	3	*	b	2	-	37	19				
	La Hève	1026.6	32	ENE	3	m	1024.6	*	32	+2	ENE	2	*	m	1	-	32	30				
	Brest (St. Mathieu)	1025.5	38	ENE	2	o	1023.8	-1	27	+2	E	3	*	o	2	-	45	35				
	Roche fort (Île d'Aix)	1022.4	41	NE	3	o	1020.7	-2	35	-2	NE	3	*	o	*	-	45	34				
	Biarritz																					
	Paris	1025.1	34	NNE	2	o	1023.8	-1	19	-11	NE	2	-	b	*	-	34	19				
SOUTHERN STATIONS.	Belfort	1027.0	23	E	G	m	1024.3	*	19	-6	E	4	*	m	*	-	30	19	GALES Duration and Extreme Force in British Islands.			
	Lyons																					
	Nice	1020.0	40	E	2	b	1018.9	-1	38	-1	E	1	*	c	6	?	50	34				
	Perpignan	1020.8	41	N	1	r	1018.0	?	39	0	E	1	N	c	*	?	45	39				
	Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	Corunna																					
	Madrid																					
Lisbon																						
Azores (Horta)	1006.1	*	SW	9	m																	
Madeira																						
Gibraltar																						
Malta																						
Limassol																						
Alexandria																						
Cairo (Helwan)																						
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for Yester- day.	24 HOURS ENDED 9 P.M. TO-DAY.										SOUTH KENSINGTON.							
		15 h. Yester- day.	9 h. To- day.		TEMPERATURE.			Rain- fall.	WEATHER.													
		%	%	Hours	Max.	Min.	Min. on Grass.	Rain- fall.	Morn- ing.	After- noon.	Night.											
GREENWICH (Royal Observatory)		84	82	0.0	34	30	29	1	OS 0	0	0.05 c	Vertical Component of Solar Radiation per square Centimetre during Yesterday.										
CITY (Bunhill Row)		*	*	0.0	*	*	*	*	*	*	*											
WESTMINSTER (St. James's Park)		83	78	0.0	36	32	29	-	og	om	Som. bc	Total. Average Rate. Max. Rate. Joules. Milliwatts. Milliwatts. 45 1.5 2.5										
CAMDEN SQ. (British Rainfall)		83	96	0.0	34	30	27	1	0	0	*											
HAMPSTEAD (Reservoir)		*	98	0.0	32	27	21	-	om	oxs	bcx	Temperatures at Greenwich and Cam- den Square are from Glaisher screens.										
S. KENSINGTON (Museum Grounds)		*	85	0.0	36	31	29	-	og	og. gn	og. o. c											
RICHMOND PARK		*	*	*	*	*	*	*	*	*	*											

SYNOPTIC CHART FOR THE MORNING OF TUESDAY, 23RD JANUARY, 1917.

GENERAL INFERENCE.

A depression on the Atlantic is likely to cause some freshening of the wind on our south-west coasts. Elsewhere no change is probable.



EXPLANATION.

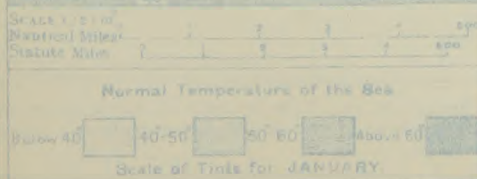
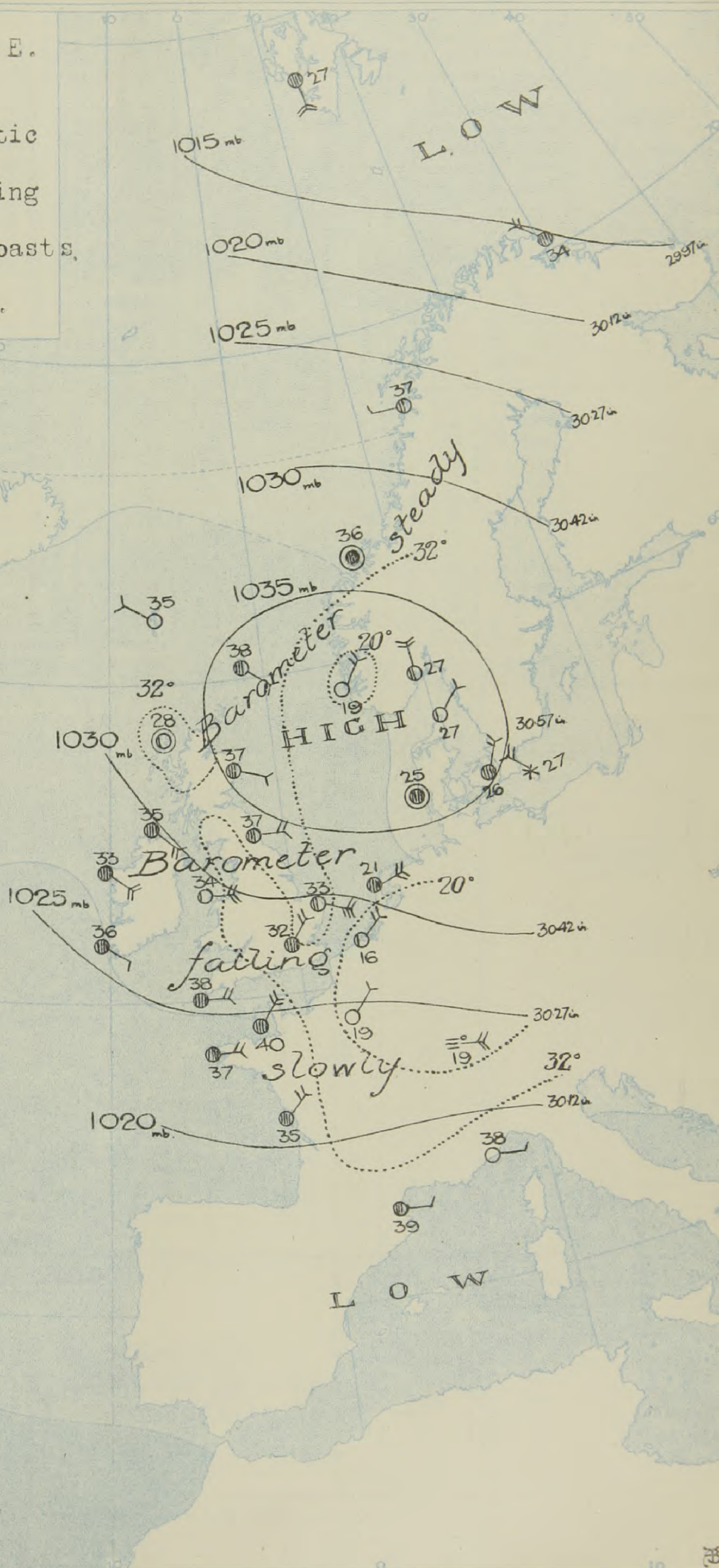
BAROMETER.—Isobars are drawn for intervals of five millibars.

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 ~~~~~



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.				PAST 24 HOURS.				MORNING			
	Barom. Milli- bars at M.S.L.	Temp.	Wind.	Weather.	Barometer.	Change in 3 hours.	Temp.	Change in 24 hours.	Wind.	Force 0-12.	Weather.	Rain fall. Milli- metres.	Temp.	Max.	Min.	ICELAND.
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel	1000.6	21	SW	1	0	1002.6	-5	23	-5	SW	6	0	-	18	Isafjord ...
	Gorki	1033.9	16	-	0	0	1032.2	0	14	-4	NW	1	0	-	9	Reykjavik
	Veliki Luki	1035.5	14	WSW	2	0	1029.9	*	18	0	SSW	2	0	-	12	Vestmanna
	Hangö	1035.5	19	NNW	1	0	1027.5	-3	23	-2	NW	3	0	-	18	Seydisfjord
	Riga	1036.8	28	-	0	0	1032.6	-2	23	-2	-	0	0	-	21	Thorshavn
	Petrograd	1030.8	21	W	3	5	1021.2	-4	27	+18	W	4	0	-	27	
	Moscow	1028.8	27	-	0	0	1029.1	-2	16	+4	SW	2	0	-	14	
	Kiev	1034.0	10	NW	1	5	1031.7	0	16	+11	NNE	2	5	-	5	
	Kharkov	1032.3	5	E	1	5	1032.3	+1	5	+2	ENE	2	0	-	5	
	Kishinev															
MEDITERRANEAN.	Elisabetgrad	1032.6	9	NNE	3	5	1030.6	-1	7	+2	NE	3	5	-	9	
	Nicolaiev	1030.3	18	NNE	4	5	1029.5	*	9	+2	ENE	3	0	-	7	
	Odessa	1031.8	18	N	3	5	1031.0	-1	14	+5	NNE	3	0	-	9	
	Tarkhankout	1028.3	25	NE	3	5	1027.7	*	19	+3	NE	4	0	-	16	
	Soukhom															
	Venice	1026.6	36	E	2	5	1027.0	*	32	-5	E	4	5	-	32	
	Pesaro	1025.3	39	WNW	1	0	1025.4	*	30	-9	W	2	0	-	36	
	Rome	1021.3	43	N	1	5	1021.4	*	41	+2	NE	1	0	-	39	
	Viesti	1021.6	46	W	2	5	1023.1	*	43	-3	NW	1	0	-	43	
	Brindisi	1019.9	50	?	?	5	1014.6	*	46	-4	?	?	5	-	46	
SWEDEN.	Cagliari	1018.2	54	NW	4	5	1015.7	*	50	+4	NW	4	0	-	57	
	Palermo	1019.9	48	-	0	5	1019.7	*	45	-3	-	0	0	-	59	
	Tripoli						1008.0	*	48	0	SE	2	0	-	60	
	Algiers	1013.6	54	-	0	5	1011.7	-1	54	+6	SW	4	0	-	57	
	Hernösand	1034.1	28	SW	2	5	1028.4	*	30	+14	W	2	5	-	*	
	Stockholm	1039.5	19	W	2	5	1033.3	*	3	-4	W	2	0	-	*	
	Wisby	1040.0	28	NW	4	0	1034.4	*	27	-5	NW	4	5	-	*	

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles	7	18
France	7	18
Norway	7	18
Sweden	7	17
Denmark	7	18
Holland	7	18
Italy	7	20
Egypt	6	18
Corunna	7	16
Madrid	8	16
Lisbon	7	21
Azores	8	17
Madeira	7	21
Malta	8	-
Limassol	6	-

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY. UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine
	Night. 12h-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.	
	Mm.	Mm.	F.	F.			Hr.
Scotland.	Oban	-	41	33	o	b.	4.4
	Banff	-	40	29	c b.	b. bc.	5.3
	Montrose	-					
	Carnoustie	*					
	St. Andrews	-	41	34			1.6
Eng. N.E.	Harrogate	Trace	32	29	o	osp	0.0
	Skegness	-	36	32	os	o.c.	0.4
Eng. N.W.	Morecambe	-	35	33			0.0
	Southport	-					
Midlands.	Leamington Spa	-					
	Malvern	-	32	29	omx	2. s. o.	0.0
	Ross-on-Wye	-					
Wales.	Rhyl	-	33	31	ag	g	0.0
	Colwyn Bay	*	34	32	c. o	o.	0.0
	Llandudno	*	35	32	o	o.	0.0
	Aberystwyth	*	35	31	c. c	c. o.	0.0
	Tenby	-					
England, E.	Lowestoft	Trace	36	31	o. c	c.	0.6
	Felixstowe	-	37	31	ou.	o. bc. o.	0.0
	Walton-on-Naze	-					
	Southend-on-Sea	-	35	30	od	o.	0.0
	Margate	-	38	32	o	o	0.0
England, S.E.	Ramsgate	-	35	32	o	o.	0.0
	Hastings	-	35	31	o	o. bc	0.0
	Eastbourne	Trace	37	32	os	os.	0.0
	Seaford	*					
	Brighton	-					
England, S.W.	Worthing	-	34	32	ovs	ovs.	0.0
	Littlehampton	-					
	Bognor	*	35	32	o	o	0.0
	Bournemouth	-	33	30	o	o	0.0
	Weymouth	*					
	Torquay	-		32	o	o	0.0
	Paignton	*					
	Penzance	-	37	35	of	of	0.0
	Newquay	-	35	32	o	o	0.0
	Bude	-	37	31	o	o	0.0
	Ilfracombe	-	36	32	o	o	0.0
	Weston-s-Mare	-	36	30	o	o	0.0

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

23 rd and 24 th Jan. 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.50	12.5	4.20
Greenwich	7.49	12.5	4.21
	7.53	12.12	4.31
	7.52	12.12	4.32
Wick	8.30	12.24	4.9
	8.38	12.24	4.11
Valencia	8.36	12.53	5.10
	8.35	12.53	5.11

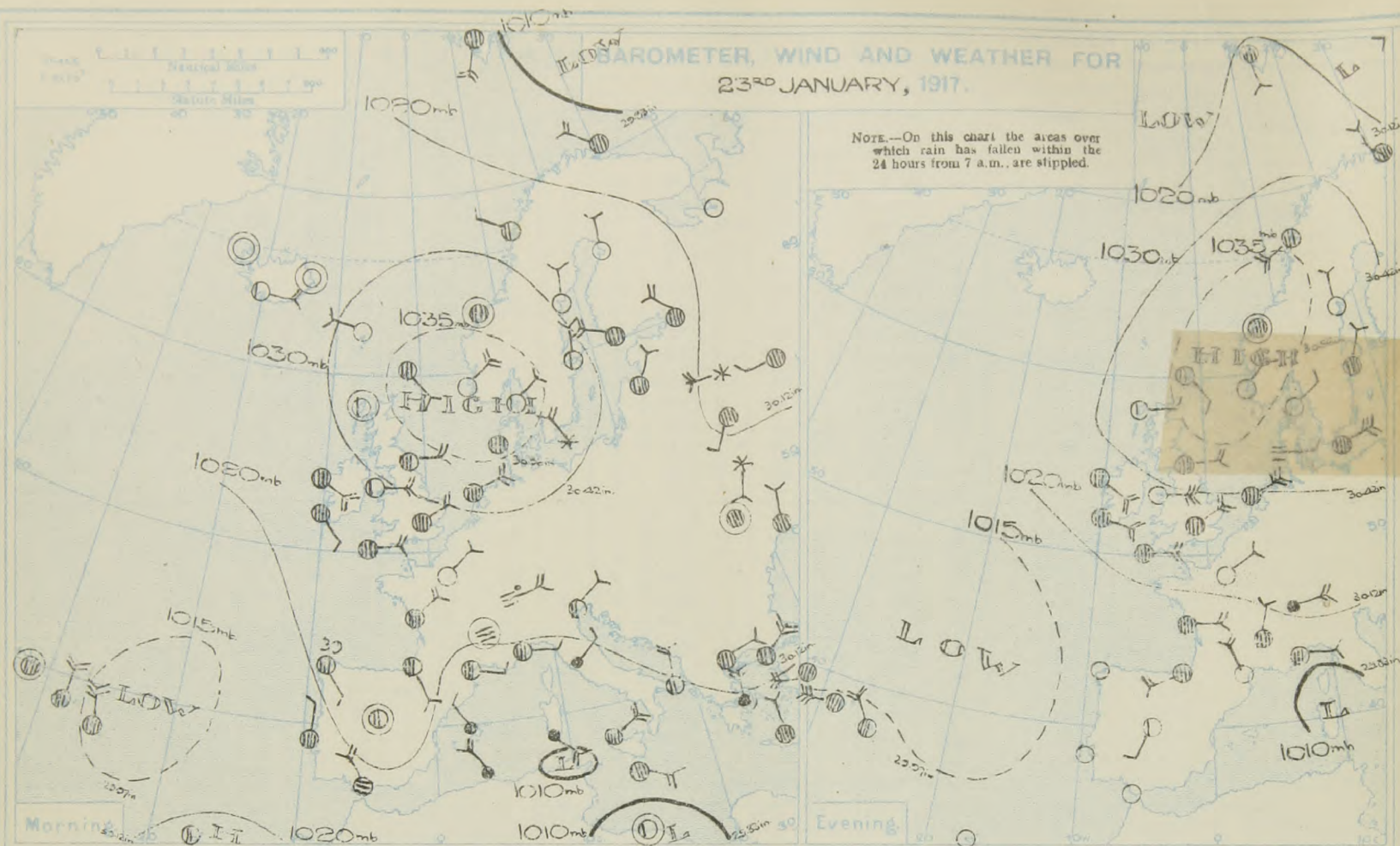
NOTE.—The information relating to weather is indicated by the following letters:—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

NOTES ON YESTERDAY'S WEATHER.

6.3 hours of sunshine was measured at Nairn but over most of the country the day was sunless. There was little precipitation. Temperature remained low.

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STATIONS.	YESTERDAY EVENING.					THIS MORNING.										PAST 24 HOURS.										Sun- shine for Yester- day Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.		Temp. °F.	WIND.	Direc. of Upper Cloud	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.									
			Direc.	Force 0-12.			Dry Bulb.	Change in 24 hours.							Direc.	Force 0-12.	Max.	Min.	Morning.	Afternoon	Night.					
Lerwick	1036.3	36	SSE	1	bc	1034.7	0	37	-1	SE	2	-	bc	2	-	39	35	c.bc	bc	bc	0.0					
Deerness (Orkney)	1034.9	37	ESE	4	bc	1032.5	-2	38	+3	ESE	4	-	o	3	-	39	37	c	c	c.o.	0.0					
Stornoway	1032.1	35	E	1	b	1028.2	-2	31	+3	E	1	-	b	0	-	39	27	bc	bc.b	b	3.3					
Castlebay (Barra Isd.)	1031.7	39	ESE	4	b	1027.7	-2	37	-2	SE	5	-	o	5	-	40	36	o.c	c.b	bc.o	0.5					
Glasgow	1032.9	32	E	3	bc	1029.3	-2	33	0	E	2	-	cg	*	-	36	31	o.c.bc	bc	bc.o.c	3.8					
Eskdalemuir	1033.0	30	E	5	o	1029.4	-3	31	+1	ENE	4	-	o	*	-	33	29	bc.c.o	o	o.o.o	2.1					
Malin Head	1028.4	35	SSE	4	bcm	1023.7	-3	33	-2	ESE	5	SE	cmx	5	-	38	32	bc	bc	cmx	4.3					
Blackod Point	1024.8	35	SE	4	cm	1018.4	-5	32	-1	SE	6	SE	bcm	5	-	38	30	cm	bcm	bcm						
Valencia	1022.0	41	ESE	4	cd	1017.2	-3	38	+2	ESE	5	SE	o	*	0.3	41	35	abcz	bc.og	o.bc.c	1.6					
Roche's Point	1025.2	38	E	3	o	1021.0	*	36	+2	ENE	5	-	o	5	0.3	42	34	oe.og	og.c.o	o						
Birr Castle	1026.2	32	-	0	bc	1022.6	*	33	0	SSE	2	-	o	*	-	37	29	o.cbc	bc	bc.c.o	5.7					
Donaghadee	1029.0	38	ESE	4	cm	1025.7	-2	36	0	SE	5	SE	ogm	4	-	41	35	bcm	bcm	ogm	*					
Liverpool (Bidston)	1029.8	33	ENE	4	o	1026.4	-2	33	+2	E	3	E	o	3	-	34	31	bm	cm	c.o	0.7					
Holyhead	1027.1	34	E	6	bm	1023.5	-1	32	-2	E	6	-	b	6	-	36	31	x bm	bm	bx	6.5					
Pembroke (St. Ann's)	1026.0	32	NE	3	bc	1023.5	-2	29	-4	E	3	E	c	2	-	35	28	bc	bc	bc.c	2.4					
Scilly (St. Mary's)																										
Falmouth	1022.9	35	E	4	og	1020.0	-2	34	-4	ENE	5	-	og	*	-	38	33	o	og	og.og	0.0					
Jersey (St. Aubin)	1021.2	37	ENE	4	bc	1016.9	*	32	-8	E	5	-	o	4	0.4	40	29	omd om	o bc c	b.o	1.8					
Portland Bill	1023.9	33	NE	5	c	1021.3	-2	32	-1	ENE	5	-	bc	5	-	35	32	o.c	cm	cm						
Dungeness	1022.9	34	ENE	5	b	1022.0	-2	29	-2	ENE	5	E	c	5	-	36	29	bc.b	b bc	c.b.c	6.6					
Dover	1026.9	31	E	5	b	?	0	27	-2	NE	5	NE	c	4	-	34	26	b	b							
Wick	1034.5	38	SSE	3	o	1031.9	-2	39	+1	SSE	3	-	o	4	-	39	37	bcm.c	c omg	o	*					
Nairn	1033.4	24	-	0	bc	1030.9	*	21	+1	-	0	-	bc	0	-	30	17	bm	bm	bcx	3.5					
Aberdeen	1034.9	37	SE	3	o	1031.7	-2	37	0	ESE	3	-	o	3	Trace	39	35	c.o	o	of	0.2					
Leith	1035.3	36	ESE	1	o	1030.2	-1	35	-2	E	1	E	c	3	-	38	34	cus. c	o	og.c	*					
Tynemouth	1033.2	35	E	3	ogm	1029.2	-2	36	-1	ESE	3	-	og	3	-	37	24	o	og	cd	*					
Spurn Head	1030.4	31	ESE	4	og	1027.0	-1	34	-1	ESE	6	-	ps	6	0.2	35	31	o	o	og	0.0					
Yarmouth	1028.0	34	E	5	o	1025.6	-2	33	0	E	6	-	o	6	-	36	29	bc	bc	o	3.4					
Clacton-on-Sea	1027.3	32	NE	4	c	1023.9	-2	32	-2	ENE	5	E	o	4	-	34	30	bc	bc.c	c.o	1.5					
Nottingham	1029.4	33	E	4	o	1026.2	*	33	+1	E	3	E	o	*	0.2	33	31	o.c	o.c	o	0.1					
Benson (Oxon.)	1026.7	29	NE	4	c	1022.9	-2	31	+1	NE	5	-	o	*	Trace	32	28	c	bc	c.o	*					
Stn Farnborough	1025.9	30	NE	4	o	1022.6	-2	31	0	E	4	-	o	*	-	34	28	om	om	o	0.6					
London (Kew Obsy.)	1026.9	32	NE	5	om	1023.2	-2	32	0	NE	5	-	om	*	-	34	30	om c nom	om	om o om	0.1					
Spitsbergen	1020.2	30	S	2	o	1006.9	+3	19	-8	SE	1	*	b	*	*	30	16									
Vardø	1021.1	30	N	2	o	1006.3	-2.4	34	0	W	3	-	o	3	*	34	25									
Bodø	1034.0	37	SW	4	c	1024.2	-1	39	+2	W	7	-	c	4	*	39	34									
Christiansund	1038.3	36	-	0	o	1035.7	-1	36	0	-	0	-	c	4	-	39	34									
Skudesnaes	1036.5	25	NE	3	b	1033.1	-2	23	+4	?	2	-	b	1	-	27	18									
Færder (X'tania Fjord)	1036.4	27	N	4	b	1034.0	-1	27	...	N	4	-	b	1	-	28	23									
The Scaw (Skagen)	1034.9	25	NE	1	b	1033.7	-2	23	-4	ENE	1	-	b	1	-	27	23									
Blaavands Huk	1034.4	25	E	1	f	1032.3	-2	19	-6	ENE	1	-	f	1	-	30	16									
Copenhagen	1034.0	28	NE	2	b	1032.4	0	21	-5	NE	1	-	f	*	-	28	21									
Bornholm	1031.8	28	ENE	5	o	1030.7	0	30	+3	ENE	4	-	m	1	Trace	30	25									
The Helder	1029.7	25	ENE	5	o	1026.9	-1	28	+7	ENE	4	-	o	2	-	28	21									
C. Gris Nez	1024.2	27	E	3	b	1021.3	-2	21	0	ENE	5	*	o	4	-	30	21									
La Hève	1023.1	28	NE	3	m	1021.0	*	23	-9	NE	3	*	m	2	-	34	21									
Brest (St. Mathieu)	1020.8	39	E	3	o	1017.1	-3	28	-9	E	4	*	b	3	-	43	27									
Rochefort (Ile d'Aix)	1018.1	39	E	3	o	1015.1	-2	27	-8	E	4	*	o	*	-	41	27									
Biarritz	1017.7	45	WSW	3	o	1012.3	-3	37	...	ESE	2	*	o	3	-	46	36									
Paris	1021.5	28	NE	2	b	1018.9	-1	16	-3	NE	2	-	b	*	5	30	16									
Belfort	1024.5	19	E	6	r	1019.0	*	10	-9	E	6	*	m	*	-	23	10									
Lyons	1018.4	28	NNE	2	o	1014.6	*	25	-5	-	0	*	o	*	-	31	25									
Nice	1011.5	39	E	1	c	1008.7	0	36	-2	E	3	*	b	4	-	45	32									
Perpignan	1014.9	41	NW	2	b	1011.8	-1	36	-3	NW	2	-	b	*	-	46	36									
Sanguinaire	1007.0	48	N	1	o	1004.2	*	43	-4	NW	5	*	o	5	-	52	39									
Corunna	1017.1	50	NNE	5	c	1011.3	-1	43	+4	SSW	1	-	bc	2	-	50	39									
Madrid	1017.7	43	SSW	1	b	1015.5	-1	34	0	NE	1	-	o	*	-	45	32									
Lisbon																										
Azores (Horta)	1015.1	*	W	6	o																					
Madeira	1015.9	59	W	2	o	1012.7	0	55	0	NW	3	*	bc	3	4	61	55									
Gibraltar																										
Malta																										
Linassol						1017.5	+4	43	-7	WNW	1	-	b	2	-	57	37									
Alexandria	1019.5	57	NW	3	c	1019.8	0	52	-5	S	2	NW	c	2	-	66	52									
Cairo (Helwan)	1019.4	55	N	2	b	1019.7	+1	48	+2	NE	1	-	b	*	-	64	45									
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for Yester- day.		24 HOURS ENDED 9 h. To-Day.										SOUTH KENSINGTON.										
		15 h. Yester- day.	9 h. To- day.			TEMPERATURE.				Rain- fall.		WEATHER.				Vertical Component of Solar Radiation per square Centimetre during Yesterday.										
		%	%	Hours.		Max.	Min.	Min. on Grass	mm.	Morn- ing.	After- noon.	Night.	Total.				Average Rate.				Max. Rate.					
GREENWICH (Royal Observatory)		85	93	0.6		34	29	29	-	c	c.o	o. 6s	170				5.5				12.5					
CITY (Bunhill Row)		*	*	?		35	30	29	-	c	c	s														
WESTMINSTER (St. James's Park)		71	81	?		35	30	29	-	c	c	s														
CAMDEN SQ. (British Rainfall)		90	98	0.4		34	29	29	0.3	c.bc	c	a														
HAMPSTEAD (Reservoir)		*	93	1.3		32	26	22	-	bcx	bc.ox	ox.s														
S. KENSINGTON (Museum Grounds)		*	?	0.0		35	30	30	-	c.o.c	c	c.o														
RICHMOND PARK		*	*	?		*	*	*	*	c.o.c	c	a														
												Temperatures at Greenwich and Cam- den Square are from Glaisher screens.														



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

**NO
WARNINGS
ISSUED.**

Western Channel and Bay (1)

0 } Moderate or fresh South-Easterly winds; cloudy, perhaps
1 } some snow showers; rather cold.

2 } Fresh Easterly winds, strong on coast; dull,
3 }
4 } perhaps snow showers; cold.
5 }

6 } Fresh or strong South-Easterly winds; cloudy,
7 }
8 } perhaps some snow showers; cold.
9 }

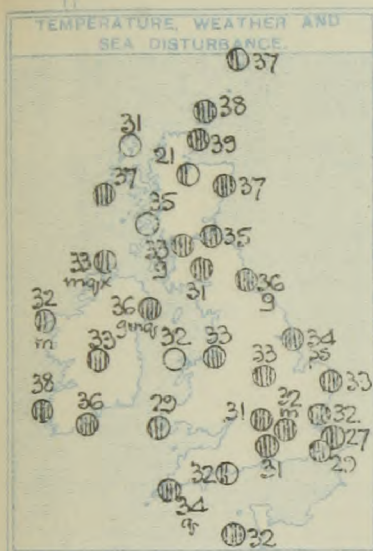
10 } Moderate or fresh Easterly or South-Easterly winds and
11 } moderate sea; cloudy.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF WEDNESDAY, 24TH JANUARY, 1917.

GENERAL INFERENCE

The present type of conditions is likely to persist.



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 ~~~~~



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.					PAST 24 HOURS.					MORNING.							
	Barom. Millibars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain-fall. Millimetres.	TEMP.		ICELAND.	Barom. Millibars at M.S.L.	TEMP.		WIND.			
			Dir.	Force 0-12.		Millibars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.	Weather.	
RUSSIA 7 a.m. and 9 p.m. Local Time.																							
Archangel ...	1002.3	-2	N	5	o																		
Gorki ...	1024.6	21	-	0	o	1018.0	0	23	+9	SW	1	o	-	*	12								
Veliki Luki ...	1020.8	25	S	2	o	1018.3	*	27	+9	W	3	S	0.2	*	18	Isafjord ...	1025.9	34	-3	-	o	6	
Hangö ...	1026.1	23	WNW	1	C	1028.0	o	25	+2	WNW	1	o	-	*	14	Reykjavik ...	1025.0	32	-7	E	2	6	
Riga ...	1025.5	32	NW	2	o	1024.0	o	28	+5	NNE	2	o	-	*	23	Vestmanna	1026.0	37	-4	E	3	6	
Petrograd ...	1017.6	28	NW	4	o	1020.2	+2	27	0	NNW	3	o	0.2	28	23	Seydisfjord	1026.6	30	-9	-	o	6	
Moscow ...	1021.0	14	WSW	1	o	1015.5	o	21	+5	W	1	o	0.1	*	14	Thorshavn	1032.2	35	-3	WNW	1	6c	
Kiev ...	1029.6	12	NNE	3	o	1025.7	o	16	o	SSW	2	S	-	*	?								
Kharkov ...	1030.6	5	NW	1	o	1027.8	o	0	-5	NW	2	o	-	*	4	Hours of Observation G.M.T.							
Kishinev ...	1029.7	18	-	o	o	1027.8	o	16	-	-	o	o	-	*	10								
Elisabetgrad ...	1031.3	-2	NNW	2	6	1028.0	o	7	o	NNW	3	o	-	*	-2								
Nicolaiev ...	1029.7	12	N	3	6	1028.3	*	5	-4	N	2	6	-	*	5								
Odessa ...	1029.8	12	NNE	4	o	1028.2	o	9	-5	NNE	2	o	-	*	7								
Tarkhankout...	1027.1	23	NE	3	C	1025.7	*	18	-1	NE	3	6c	-	*	18								
Soukhom ...																							
MEDITERRANEAN.																							
Venice ...	1026.6	34	ENE	1	6	1023.9	*	28	-4	NE	2	6c	-	37	28	British Isles ...			b.	b.			
Pesaro ...						1022.0	*	36	+6	NW	1	o	-	45	30	France ...			7	18			
Rome ...	1019.0	41	NE	1	o	1013.3	*	45	+4	NE	1	r	-	50	41	Norway ...			7	18			
Viesti ...	1022.9	45	ESE	1	6	1020.1	*	45	+2	WSW	1	o	Trace	48	43	Sweden ...			7	17			
Brindisi ...	1021.9	50	N	3	6	1018.9	*	50	+4	N	3	6c	-	55	46	Denmark ...			7	18			
Cagliari ...	1019.2	54	ESE	4	r	1013.0	*	50	o	SE	3	r	1.0	57	46	Holland ...			7	18			
Palermo ...	1016.9	55	-	o	o	1011.3	*	57	+12	ENE	4	o	-	59	45	Italy ...			7	20			
Tripoli ...						1006.6	*	54	+6	-	o	6	Trace	66	48	Egypt ...			6	18			
Algiers ...	1013.9	52	NNW	5	r	1015.3	o	48	-6	NNW	3	r	-	55	48	Corunna...			7	16			
SWEDEN.																							
Hernösand ...	1031.5	27	W	2	6	1033.9	*	14	-16	N	2	6	*	*	*	Madrid ...			8	16			
Stockholm ...	1031.3	14	W	2	6	1032.9	*	21	+18	N	2	6	*	*	*	Lisbon ...			7	21			
Wisby ...	1031.1	28	NW	4	C	1030.9	*	30	+3	N	4	o	*	*	*	Azores ...			8	17			

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	—
Limassol ...	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night. 24h. 24h.	Day. 24h. 24h.	Max.	Min.	Forenoon.	Afternoon.			Night. 24h. 24h.	Day. 24h. 24h.	Max.	Min.	Forenoon.	Afternoon.			
Scotland.	Oban	—	—	39	31	b	b	6.2	England, E.	Lowestoft	—	—	33	30	c	c.o.	2.5
	Banff	—	—	38	26	c.b.c.	c.o.	0.1		Felixstowe	—	—	34	31	bc	bc.o.	1.6
	Montrose	—	—	—	—	—	—	—		Walton-on-Naze	—	—	—	—	—	—	—
	Carnoustie	*	*	—	—	—	—	—		Southend-on-Sea	—	—	35	30	bc.c	bc.c.o.	3.5
	St. Andrews	—	—	—	—	—	—	—		—	—	—	—	—	—	—	—
Eng. N.E.	Harrogate	—	—	32	29	c.o.	o	0.0	England, S.E.	Margate	—	—	34	31	b	b.b.c.	4.7
	Skegness	3	—	34	33	c	o	1.5		Ramsgate	—	—	34	30	bc	c.	5.0
Eng. N.W.	Morecambe	—	—	—	—	—	—	—		Hastings	—	—	35	30	o.b.c.b	b	5.4
	Southport	—	—	35	30	b	b	6.0		Eastbourne	—	—	36	30	bc.b	b	4.9
Midlands.	Leamington Spa	—	—	—	—	—	—	—		Seaford	*	*	35	30	b	b	6.2
	Malvern	—	—	—	—	—	—	—		Brighton	—	—	36	31	bc.b	b	5.1
	Ross-on-Wye	—	—	31	28	x.c	bc.c	0.1		Worthing	—	—	34	30	o.b	b	5.6
Wales.	Rhyl	—	—	35	26	x.o.c.	x.c.	5.0		England, S.W.	Littlehampton	—	—	—	—	—	—
	Colwyn Bay	*	*	34	29	bc	bc	3.7	Bognor		*	*	36	30	bc	bc.b	5.5
	Llandudno	*	*	35	29	b	b	5.5	Bournemouth		—	—	35	29	o	b.o.	2.2
	Aberystwyth	*	*	35	29	o.c.b.	bc.c.	7.0	Weymouth		*	*	—	—	—	—	—
	Tenby	—	—	—	—	—	—	—	Torquay		Trace	—	36	32	o	o	0.0
	—	—	—	—	—	—	—	—	Paignton		*	*	35	29	o	s.o.	0.0

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

24 th and 25 th Jan. 1917.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.44	12.5	4.21
Greenwich ...	7.52	12.12	4.32
Wick ...	8.38	12.24	4.11
Valencia ...	8.36	12.24	4.13

NOTES ON YESTERDAY'S WEATHER.

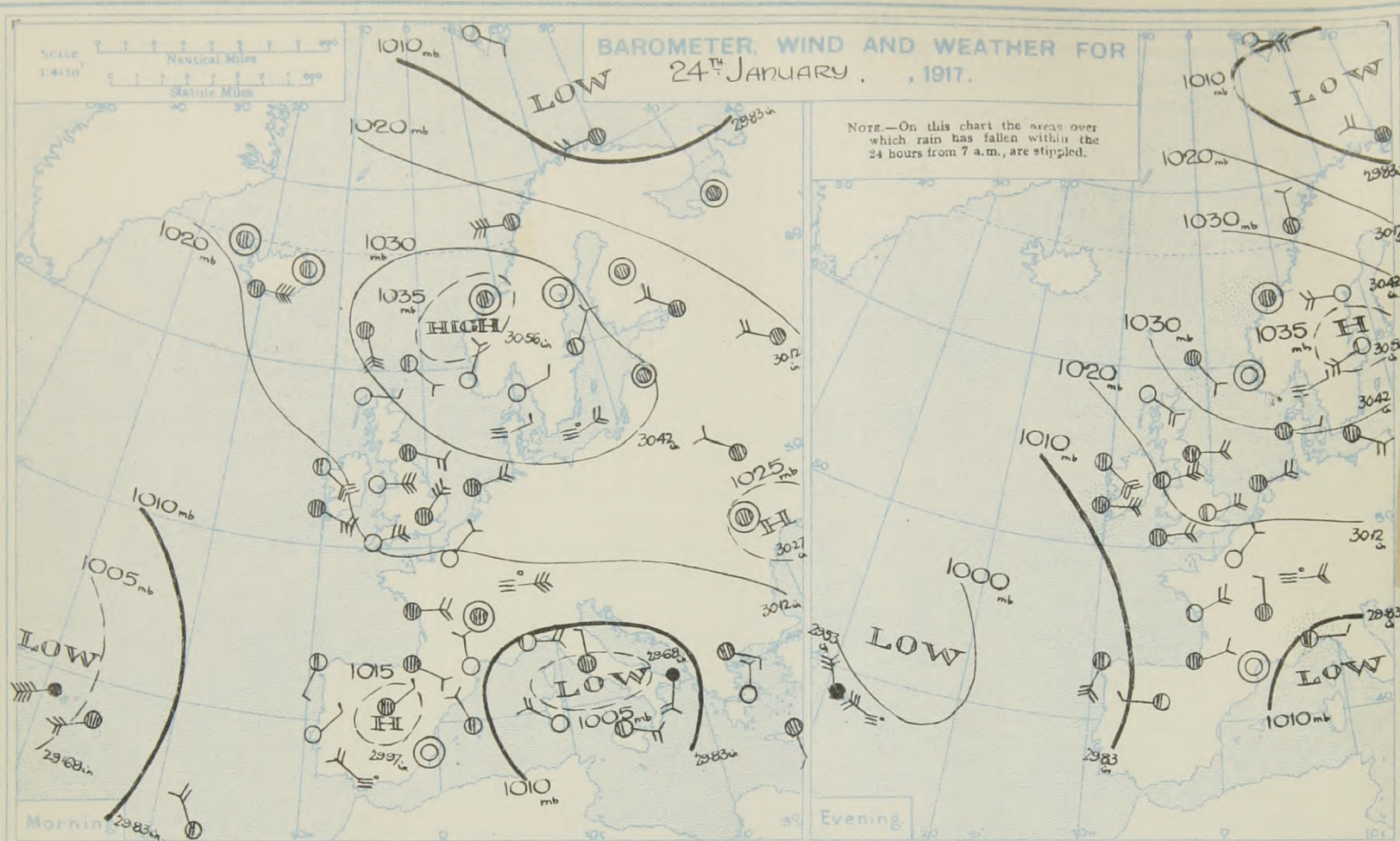
Good sunshine records were obtained at many stations, as much as 6.5 hours at Dover and Holyhead and 7 hours at Aberystwyth. The day was generally rainless. Temperature remained low.

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

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

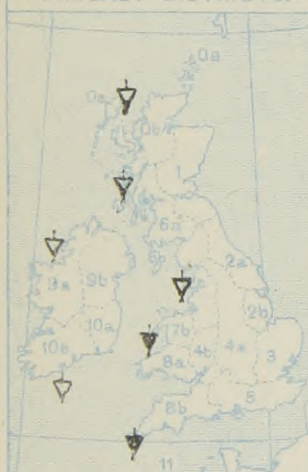
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 25. Thursday, 25th January.

STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS							Sun- shine for Yester- day.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 5 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	1032.5	38	SE	2	0	1026.6	-1	37	0	ESE	3	-	0	2	0.2	39	36	bc.o	o.c	o.c		
	Deerness (Orkney)	1029.8	38	ESE	5	0	1024.0	-3	37	-1	ESE	4	-	0	4	-	39	36	o	o	o	0.0	
	Stornoway	1025.9	36	ESE	3	b	1020.0	-3	37	+6	SE	7	-	bcq	5	-	39	31	b	b	b.bq	5.5	
	Castlebay (Barra Isd.)	1024.2	39	ESE	6	0	1018.4	-3	37	0	SE	6	SE	bc	6	-	39	36	o.bc	bc.o	o.bc	0.4	
	Glasgow	1026.7	33	E	3	0	1020.1	-2	32	-1	ESE	2	-	ag	-	-	36	30	o	o.c.bc	o.c.o	2.1	
	Eskdalemuir	1026.3	31	ENE	4	0	1020.7	-2	29	-2	E	4	-	o	-	-	34	28	o.c	bc.c	o.bcc	1.1	
	Malin Head	1019.6	35	ESE	6	cmq	1012.2	-4	34	+1	SE	6	SE	cmq	7	-	36	33	ca	bcq	cmq	0.9	
	Blacksod Point	1012.6	33	SE	6	cm	1004.9	-4	33	+1	SE	8	SE	cm	6	-	34	32	bcm	bcm	cm		
	Valencia	1010.7	37	E	5	0	999.7	-5	39	+1	ESE	6	SE	o	*	1	41	36	oz	oz	cbcc	0.0	
	Roche's Point	1015.5	38	SE	6	0	1006.9	-3	40	+4	SE	8	-	f	6	Trace	40	34	om	o	o		
	Birr Castle	1017.5	34	SSE	3	0	1009.3	-3	32	-1	ESE	3	-	o	-	-	34	31	o	o	o	0.0	
	Donaghadee	1021.6	37	SE	5	omq	1015.2	-3	35	-1	SE	6	-	omq	5	-	38	35	cmq	omq	omq		
	Liverpool (Bidston)	1022.4	33	ENE	5	0	1018.1	-3	30	-3	E	4	-	o	4	-	34	29	om	o	o	0.0	
	Holyhead	1021.7	34	ENE	6	cg	1014.7	-3	30	-2	E	4	-	b	3	-	36	29	b.bm	cg	bx	4.1	
	Pembroke (St. Ann's)	1018.7	32	E	5	c	1011.4	-5	33	+4	ESE	6	SE	cg	4	-	34	28	c	c	s.bq	0.0	
	Scilly (St. Mary's)	1016.0	35	E	4	0	1014.6	-4	35	+1	ESE	6	-	o	-	-	37	33	o	o.c.o	o.b.q	0.0	
	Falmouth	1016.4	32	E	4	c	1013.3	-3	30	-2	E	5	-	o	4	-	33	26	o.c.b	b.b.c	c.b.o	3.5	
	Jersey (St. Aubin)	1018.0	31	ENE	5	c	1014.0	-3	35	+3	E	5	E	o	4	-	35	29	bc.c	o.c	o.c		
	Portland Bill	1019.0	32	ENE	5	bc	1016.0	-1	30	+1	E	5	-	o	5	-	35	29	bc	c.b.c	bc.o		
	Dungeness	1020.5	32	ENE	5	b	1017.6	-1	28	+1	NE	4	E	c	4	-	32	27	c.b.c	bc.b	bc.c	2.9	
	Wick	1028.7	38	SE	3	0	1022.8	-3	39	0	SE	4	-	o	4	0.2	40	35	omph	o	g.p		
Nairn	1027.4	36	E	1	cg	1021.1	-3	32	+1	E	1	-	cg	1	-	37	20	c.b.c	bc	cg	4.3		
Aberdeen	1028.9	38	ESE	4	0	1023.0	-3	36	-1	SE	5	-	o	4	1	38	34	o	c.o	o	0.0		
Leith	1027.2	36	E	2	0	1020.8	-2	35	0	ESE	2	-	o	3	-	37	33	cg.o	c.g.o	cg.o			
Tynemouth	1026.6	37	E	4	ogq	1021.1	-3	26	0	E	3	-	ogm	4	-	38	34	og	ogq	ogm			
Spurn Head	1024.4	35	ESE	8	og	1019.8	-1	34	0	ESE	7	-	og	6	0.1	36	31	ops.cq	c.q	og	0.0		
Yarmouth	1023.0	34	E	6	0	1019.5	-2	28	-5	ESE	6	-	c	6	-	36	27	o	o	og.c	0.0		
Clacton-on-Sea	1021.3	34	ENE	4	0	1018.0	-1	30	-2	ENE	3	E	o	2	-	34	29	og.o	o.c.o	og.o	0.0		
Nottingham	1023.1	32	E	5	0	1019.1	-3	29	-4	E	3	E	o	-	0.3	33	28	os	os	o.c	0.0		
Benson (Oxon.)	1020.7	30	ENE	4	c	1017.0	-2	29	-2	E	4	-	o	-	-	31	28	o	c	o			
Sth Farnborough	1019.8	30	ENE	3	0	1016.5	-3	29	-2	ENE	3	-	o	-	-	31	28	os.c.o	abc.o	bc.o	0.5		
London (Kew Obs.)	1020.4	32	ENE	4	bcm	1017.3	-2	30	-2	E	4	-	o	-	-	33	29	om.som	om.cm	bcm	0.0		
NORTHERN EUROPE.	Spitsbergen	1010.7	19	SE	6	b	1001.5	-3	27	+8	-	0	-	c	*	-	27	-2	UPPER AIR. South Farnborough, h. m. Pilot Balloon Ascent at 7.45 Wind at 540 metres E 10 m/s. 300 E by N 7 Surface E by N 3				
	Vardö	1007.3	36	NW	3	0	1018.9	+2	34	0	N	1	-	c	3	-	36	32					
	Bodö	1027.9	37	N	2	c	1028.3	0	36	-3	N	2	-	b	2	-	39	32					
	Christiansund	1033.7	36	-	0	o	1031.0	0	36	0	E	2	-	b	3	-	37	32					
	Skudesnaes	1031.3	21	-	0	b	1027.7	-3	19	-4	-	0	-	b	1	-	27	19					
	Færøer (Xtania Fjord)	1032.2	27	N	3	b	1027.3	-1	28	+1	N	4	-	b	1	-	28	23					
	The Scaw (Skagen)	1033.2	18	ENE	1	f	1026.9	-3	27	+4	NW	1	-	o	0	-	27	18					
	Blaavands Huk	1020.0	28	E	1	o	1026.4	-2	18	-1	ENE	2	-	f	2	-	28	14					
	Copenhagen	1031.0	30	ENE	2	o	1028.3	-3	23	+2	N	2	-	m	*	-	30	19					
	Bornholm	1029.6	30	SE	3	0	1023.4	-2	28	-2	N	3	-	bc	1	-	30	27					
FRANCE, &c.	The Helder	1024.4	28	ENE	4	0	1021.0	-3	21	-7	E	4	-	bc	2	-	32	21	GALES Duration and Extreme Force in British Islands Blacksod Point: 25 th - Th. SE 8. Spurn Head: 24 th - 13h and 18h ESE 8. Roche's Point: 25 th - Early morning - Th. SE 8.				
	C. Gris Nez	1018.0	27	ENE	5	b	1016.7	-2	19	-2	E	5	-	b	4	-	28	19					
	La Hève	1018.7	21	ENE	3	m	1015.4	-3	17	-6	ENE	3	-	m	2	-	23	16					
	Brest (St. Mathieu)	1014.4	34	E	4	b	1007.4	-4	27	-1	E	5	-	o	4	-	36	27					
	Rochefort (Ile d'Atx)	1013.9	27	ENE	4	b	1011.9	-1	27	0	ENE	4	-	o	*	-	34	23					
	Biarritz	1011.5	40	ENE	2	o	1007.8	-3	32	-5	ESE	3	-	c	1	-	48	32					
	Paris	1016.8	22	NNE	2	b	1015.7	0	16	0	-	0	-	b	*	-	25	14					
	Belfort	1015.9	17	E	4	m	1017.7	*	16	+6	E	2	-	m	*	-	20	10					
	Lyons	1014.4	25	N	1	o	1015.3	*	23	-2	-	0	-	o	*	-	26	20					
	Nice	1009.3	40	E	1	c	1011.9	0	35	-1	E	3	-	o	3	-	50	34					
Perpignan	1011.1	37	-	0	b	1012.6	0	28	-8	SW	1	-	b	*	-	48	27						
SOUTHERN STATIONS.	Corunna	1007.9	54	SSW	5	c	1001.0	-4	54	+11	S	5	-	r	3	-	54	43	24 HOURS ENDED 9 h. TO DAY. TEMPERATURE. Max. Min. Min. on Grass Rain-fall. Morn-ing. After-noon. Night. Vertical Component of Solar Radiation per square Centimetre during Yesterday. Total. Average Rate. Max. Rate. Joules. Milliwatts. Milliwatts. 104 3.3 11.5 Temperatures at Greenwich and Cam- den Square are from Glaisher screens.				
	Madrid	1012.7	43	W	1	bc	1015.9	0	32	-2	-	0	-	o	*	-	43	28					
	Lisbon	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
	Azores (Horta)	1001.1	*	NW	S	r	*	*	*	*	*	*	*	*	*	*	*						
	Madeira	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
	Gibraltar	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
	Malta	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
	Limassol	*	*	*	*	*	1017.5	0	46	+3	-	0	-	o	3	-	57	37					
	Alexandria	1020.4	57	-	0	bc	1019.0	0	52	0	SE	3	-	b	1	-	68	50					
	Cairo (Helwan)	1018.7	57	NE	3	b	1018.0	0	52	+4	E	1	-	b	*	-	66	48					
LONDON OBSERVATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.															
	15 h. Yester- day.	9 h. To-day.		Max.	Min.	Min. on Grass.		Morn- ing.	After- noon.	Night.													
GREENWICH (Royal Observatory)	78	81	0.0	32	28	28	1	CS	SC	0	0												
CITY (Bunhill Row)	*	*	0.0	*	*	*	*	*	*	*	*												
WESTMINSTER (St. James's Park)	99	93	0.0	34	31	31	-	S.O	0	om	*												
CAMDEN SQ. (British Rainfall)	88	71	0.0	33	29	28	-	OS	0	*	*												
HAMPSTEAD (Reservoir)	*	96	0.2	31	26	22	-	C.OSX	EX	OX	0												
S. KENSINGTON (Museum Grounds)	*	98	0.0	34	30	30	-	OS.O	om.o	OX	0												
RICHMOND PARK	*	*	0.0	*	*	*	*	*	*	*	*												



FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

WARNINGS ISSUED

to Districts 0, 6, 7, 9, 10 at 1 p.m.
" " 8 at 5 p.m.

Western Channel and Bay 11

0 } Moderate or fresh South-Easterly winds, increasing;
1 } dull, some snow or sleet showers, rather cold.

2 } Fresh or strong Easterly or South-Easterly winds,
3 } increasing; dull, some snow showers; cold.
4 }
5 }

6 } South-Easterly gales; dull, with sleet or snow
7 } later; rather cold.
8 }
9 }

10 } Fresh Easterly winds and rather rough sea; dull,
11 } some snow showers.

FURTHER OUTLOOK.

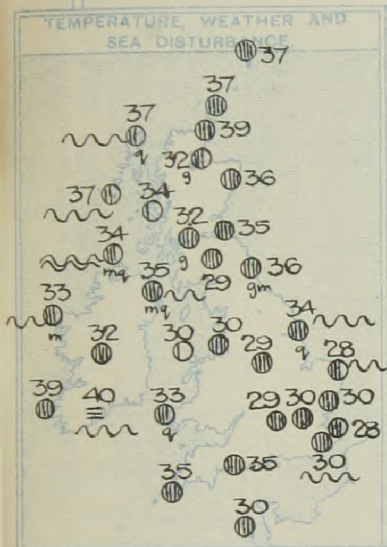
R. G. K. LEMPERT, Superintendent, Forecast Division.

NAPIER SHAW, Director

SYNOPTIC CHART FOR THE MORNING OF THURSDAY, 25TH JANUARY, 1917.

GENERAL INFERENCE

Some further increase in the wind is probable.



EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols:—

clear sky. sky 1/4 clouded. sky 1/2 clouded. overcast sky. rain falling.

snow. hail. fog. mist. thunder.

thunderstorm.

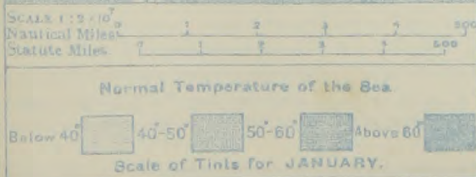
SEA DISTURBANCE.—Rough High .

LOW

Barometer

HIGH

generally falling



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.				PAST 24 HOURS.				MORNING.			
	Barom. Millibars at M.S.L.	Temp. °F.	WIND.		Barom. Millibars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	Weather.	Rain-fall. Millimetres.	TEMP.		Barom. Millibars at M.S.L.	Temp. °F.
			Dir.	Force 0-12.			Dry Bulb.	Change in 24 hours.					Max.	Min.		
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1019.9	5	SW	2	S	1019.1	0	-4	-	0	0	-	-4	1021.0	39
	Gorki ...	1017.6	27	WNW	1	S	1020.7	-	21	-2	0	0	-	1	1016.7	41
	Veliki Luki ...	1023.1	23	WNW	3	S	1027.0	*	3	-24	W	3	0.1	3	1021.1	41
	Hangö ...	...	...	...	...	...	1028.6	-3	21	-4	WNW	1	0	5	1013.6	41
	Riga ...	1029.2	18	NNE	2	δ	1030.1	+1	18	-10	-	0	0	16	1033.1	39
	Petrograd ...	1026.6	14	NE	2	c	1023.4	-3	16	-11	NW	3	0	27	...	...
	Moscow ...	1017.5	23	NNE	2	c	1020.2	+1	10	-11	NNE	3	0	9	...	...
	Kiev ...	1022.6	21	W	3	S	1024.2	0	21	+5	NNW	2	0	1.0	...	...
	Kharkov ...	1022.4	10	-	0	S	1019.9	-1	19	+19	-	0	0	?	...	...
	Kishinev ...	1021.0	14	NW	1	0	1025.6	-1	16	0	-	0	0	12	...	...
	Elisabetgrad ...	1023.7	19	W	2	S	1023.8	0	21	+14	WNW	3	0	7	...	...
	Nicolaiev ...	1027.1	19	WNW	2	0	1027.4	*	16	+11	NNW	3	5	5	...	...
MEDITERRANEAN.	Odessa ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Tarkhankout ...	1026.1	23	N	3	0	...	...	...	...	...	...	...	...	...	...
	Soukhom ...	1015.4	39	ENE	1	r	1017.3	-1	36	-	-	0	r	1.0	...	...
	Venice ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pesaro ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rome ...	1007.4	45	E	1	r	1002.7	*	45	0	N	1	0	3.3	46	43
	Viesti ...	1010.4	52	SSW	5	0	1002.2	*	52	+7	SE	6	r	1.3	52	45
	Brindisi ...	1013.5	52	SE	2	r	1006.4	*	52	+2	SSW	3	r	3.0	54	50
	Cagliari ...	1007.9	52	NW	3	δ	1008.7	*	50	0	NW	3	δ	-	57	46
	Palermo ...	1006.0	55	-	0	0	1008.0	*	54	+3	ESE	3	δc	1.2	63	50
SWEDEN.	Hernösand ...	1033.7	14	N	2	δ	1030.7	*	14	0	-	0	δ	*	*	*
	Stockholm ...	1033.2	23	NNE	2	0	1032.8	*	23	+2	NNE	2	δc	*	*	*
	Wisby ...	1031.3	30	NE	4	0	1031.9	*	30	0	N	2	0	*	*	*

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	h. 7	h. 18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	—
Limassol ...	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun-shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun-shine			
	Night. 12h-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 12h-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.				
Scotland.	Oban	—	—	40	32	b	bc	3.5	England, E.	Lowestoft	—	—	34	30	oc	c	0.0	
	Banff	—	—	38	33	o	o	0.0		Felixstowe	—	—	34	30	og	og	0.0	
	Montrose	—	—	—	—	—	—	—		Walton-on-Naze	—	—	—	—	—	—	—	
	Carnoustie	*	*	—	—	—	—	—		Southend-on-Sea	—	—	33	29	o	o	0.1	
	St. Andrews	—	—	37	33	o	o	0.0		Margate	—	—	33	27	c	c	0.6	
Eng. N.E.	Harrogate	Trace	—	33	30	oc	c-o	0.0	England, S.E.	Ramsgate	—	—	32	26	oc	c-o	0.5	
	Skegness	—	—	35	33	os	o	0.0		Hastings	—	—	32	26	o bc b	b bc	5.0	
Eng. N.W.	Morecambe	—	—	—	—	—	—	—		Eastbourne	—	—	32	28	b bc	bc o	4.3	
	Southport	—	—	35	31	o	oc-o	0.2		Seaford	*	*	32	26	δ	δ	4.8	
	—	—	—	—	—	—	—	—		Brighton	—	—	31	27	δ	δ	3.3	
	—	—	—	—	—	—	—	—		Worthing	—	—	32	28	bc	bc	3.4	
	—	—	—	—	—	—	—	—		Littlehampton	—	—	31	27	o	o b	2.5	
Midlands.	Leamington Spa	—	—	32	28	oc	oc	0.0		England, S.W.	Bognor	*	*	31	28	o bc	δ. δc	2.1
	Malvern	—	—	—	—	—	—	—			Bournemouth	1	—	31	26	o	o	0.0
	Ross-on-Wye	—	—	—	—	—	—	—	Weymouth		*	*	32	29	o	o	0.0	
Wales.	Rhyl	—	—	34	28	2.0	og	0.0	Torquay		—	—	35	30	o	o	0.0	
	Colwyn Bay	*	*	34	32	bc	bc	0.0	Paignton		*	*	—	—	—	—	—	
	Llandudno	*	*	35	32	o	o	0.0	Penzance	—	—	38	33	o	c-o	0.0		
	Aberystwyth	*	*	34	30	o o	c-o	1.5	Newquay	—	—	35	28	o	o	0.0		
	Tenby	—	—	—	—	—	—	—	Bude	—	—	36	26	bc	bc	1.6		
—	—	—	—	—	—	—	—	—	Ilfracombe	—	—	34	30	o	o	0.0		
—	—	—	—	—	—	—	—	—	Weston-s-Mare	—	—	—	—	—	—	—		

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

25th and 26th Jan. 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.48 7.47	12.5 12.5	4.22 4.24
Greenwich ...	7.51 7.50	12.12 12.13	4.33 4.35
Wick ...	8.36 8.34	12.24 12.25	4.13 4.15
Valencia ...	8.34 8.33	12.53 12.54	5.12 5.14

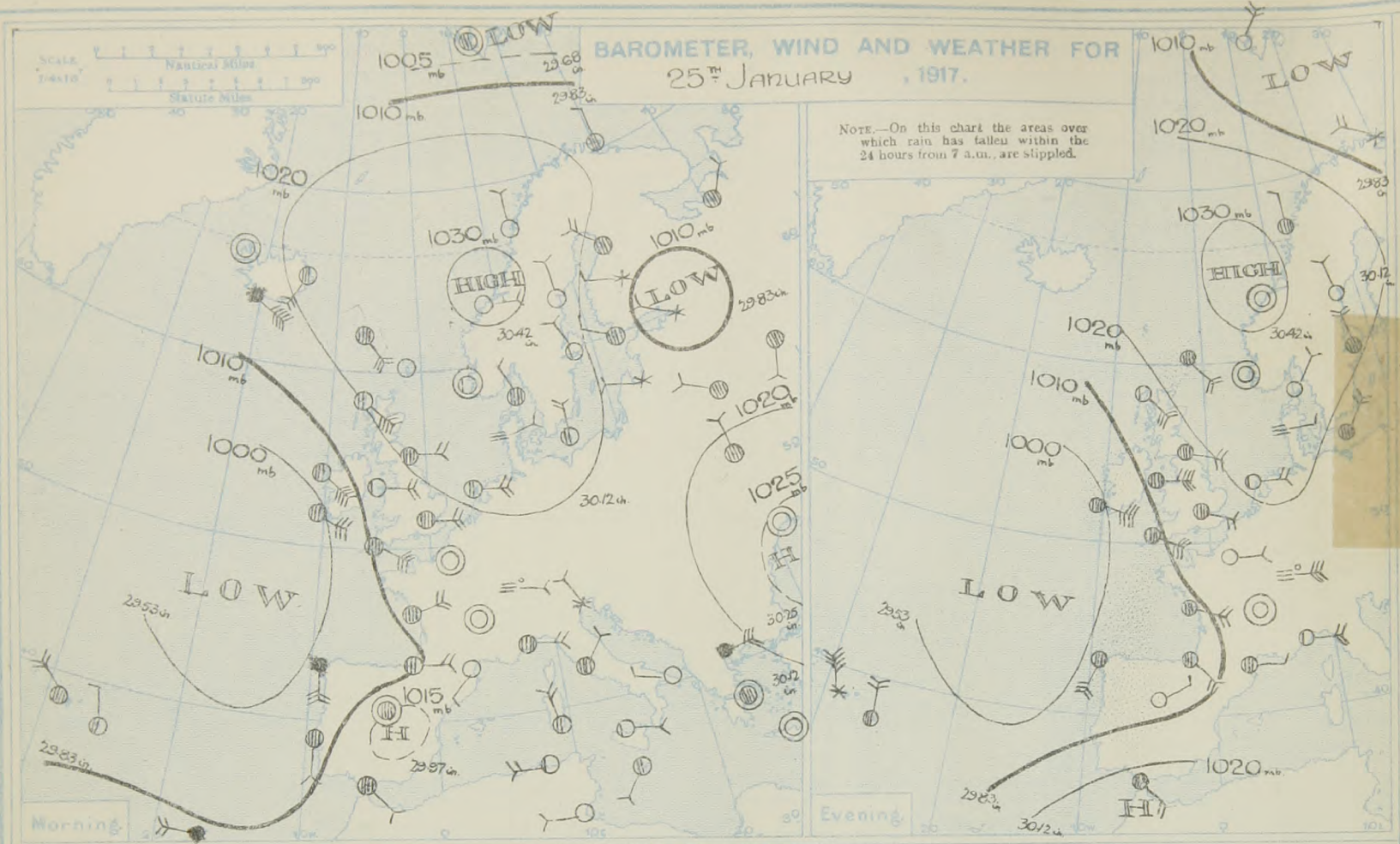
NOTES ON YESTERDAY'S WEATHER.

Weather was variable, fine at a few stations, but dull at many, though without measurable precipitation. Temperature remained low.

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

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NOTE
Solar Halo observed at
Eskdalemuir at noon, 25th



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

**NO
WARNINGS
ISSUED.**

Western Channel and Bay 11

0 } Fresh or strong South-Easterly wind; squally,
1 } cloudy; continuing cold.

2 }
3 }
4 } Fresh or strong winds between South-East and East,
5 } mostly cloudy; cold.

6 } Same as Nos. 0 to 2.

7 } Fresh or strong winds between South-East and East;
8 } squally, cloudy, rain or snow probably later; cold.

9 } Same as Nos. 0 to 2.

10 } Fresh or strong Easterly wind, dull, rain or sleet
at times; cold.

11 } Fresh or strong Easterly wind; rather rough sea, dull,
some rain.

FURTHER OUTLOOK.

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

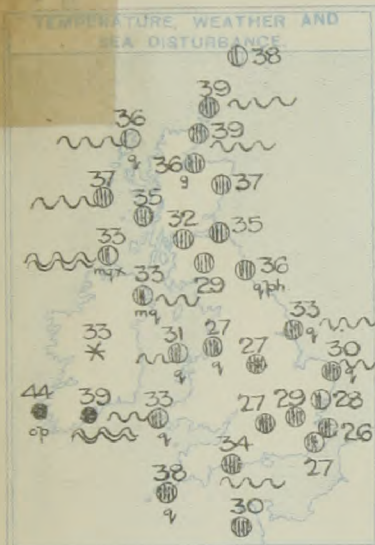
NAPIER SHAW, Director

Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR THE MORNING OF FRIDAY, 26TH JANUARY, 1917.

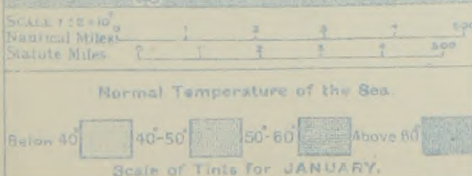
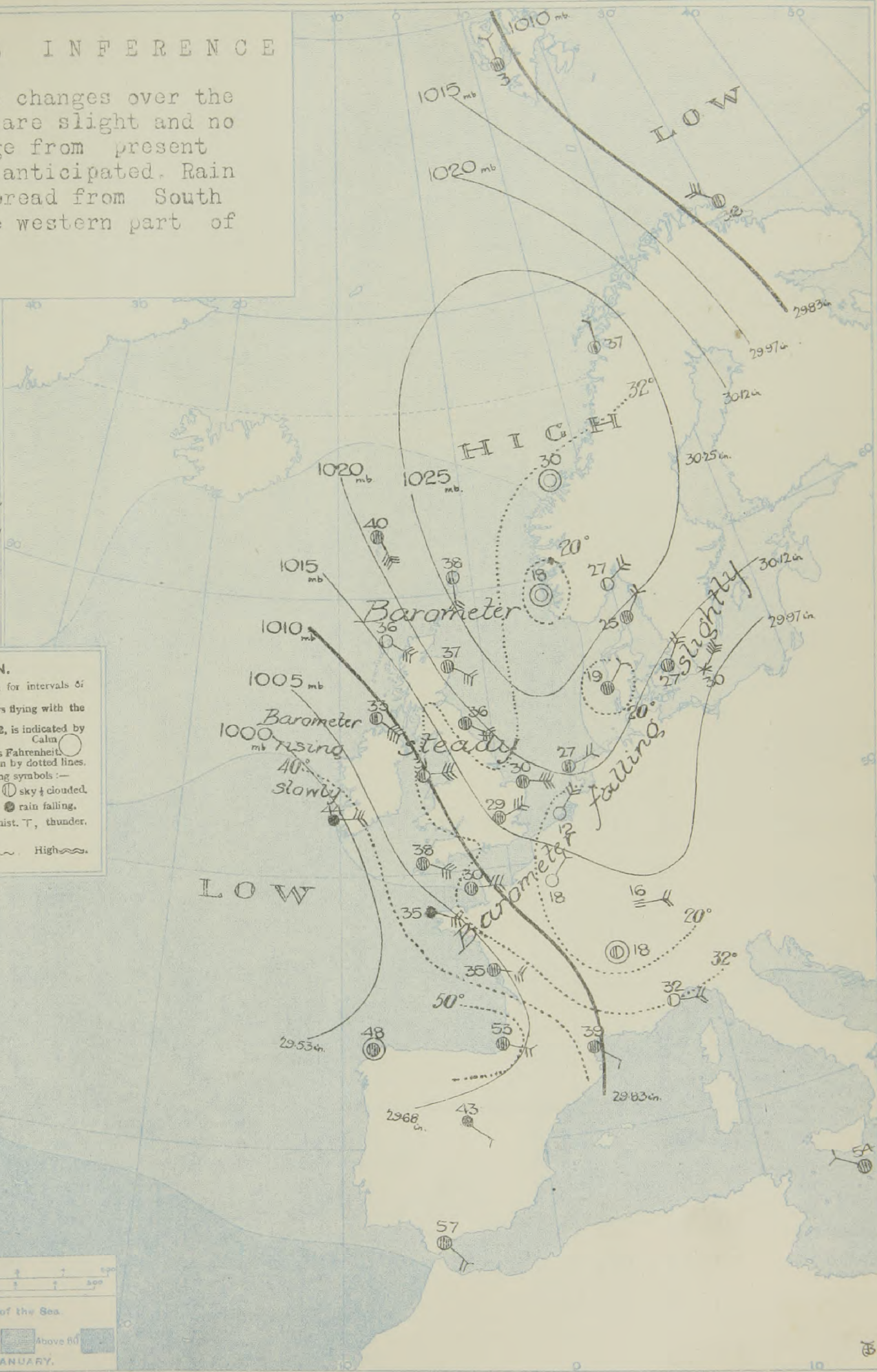
GENERAL INFERENCE

Barometric changes over the British Isles are slight and no material change from present conditions is anticipated. Rain or snow may spread from South Ireland to the western part of England.



EXPLANATION.

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



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.							PAST 24 HOURS.			MORNING.						
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Rain- fall, Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 2 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.		Max.	Min.			Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.		
RUSSIA 7 a.m. and 9 p.m. Local Time.																						
Archangel ...	1013.7	0	E	2	0	1014.9	+4	0	+4	NE	6	8c	-	° F	° F	Isafjord ...	1014.9	34	-5	-	0	6
Gorki ...	1023.5	7	-	0	0	1017.0	-1	12	-9	NW	2	0	0.4	*	-2	Reykjavik	1014.1	39	+2	ESE	4	8c
Velieki Luki ...	1021.9	14	SW	2	0	1025.5	*	23	+20	SSW	3	0	0.1	*	3	Vestmanna	1014.1	41	0	ESE	9	r
Hangö ...	1014.4	25	WNW	1	6c	1014.4	-1	21	0	WNW	1	c	-	*	-13	Seydisfjord	1024.7	41	0	SW	4	c
Riga ...	1024.0	25	-	0	0	1014.7	-5	30	+12	WNW	2	5	0.1	*	18	Thorshavn	1026.0	38	-1	SE	1	r
Petrograd ...	1015.0	23	SW	2	0	1007.9	-2	25	+9	NW	2	5	0.2	25	16							
Moscow ...	1020.3	3	WNW	2	0	1016.6	+1	9	-1	SSW	2	0	-	*	3							
Kiev ...	1025.9	23	NW	3	0	1024.2	-1	12	-9	N	2	0	-	*	12							
Kharkov ...	1021.2	19	NW	1	5	1022.7	0	16	-3	NW	1	0	-	*	16							
Kishinev ...	1025.5	21	NW	3	0	1026.0	+2	5	-11	-	0	6	-	*	1							
Elisabetgrad ...	1025.5	21	NW	3	0	1024.4	-1	19	-2	NNW	2	0	-	*	19							
Nicolaiev ...	1025.7	23	-	0	0	1025.7	*	21	+5	-	0	6	-	*	16							
Odessa ...	1027.1	23	NNE	3	0	1026.3	-2	21	-	NNE	2	6	-	*	19							
Tarkhankout ...	1025.2	30	N	3	0	1025.2	*	27	-	E	2	0	-	*	25							
Soukhom ...	1021.7	30	NNW	2	0	1019.3	-1	36	0	-	0	0	0.5	*	32							
MEDITERRANEAN.																						
Venice ...	1001.9	28	E	2	r	1013.7	*	28	-	NW	2	5	-	30	28							
Pesaro ...						*																
Rome ...	1011.6	41	NE	2	0	1011.7	*	41	-4	NE	2	0	0.6	48	37							
Viesti ...	1009.0	54	WNW	1	6	1013.5	*	43	-9	W	1	6	-	55	43							
Brindisi ...	1010.6	50	ESE	2	6	1013.6	*	46	-6	NW	1	5	1.0	55	46							
Cagliari ...	1013.7	52	NW	2	6c	1012.2	*	50	0	NNW	3	8c	-	57	46							
Palermo ...	1013.6	50	NNE	1	6	1014.8	*	52	-2	ESE	2	6	-	63	45							
Tripoli ...						*																
Algiers ...																						
SWEDEN.																						
Hernösand ...	1034.6	30	W	4	6	1024.8	*	27	+13	N	2	6	*	*	*							
Stockholm ...	1035.9	18	WSW	4	6	1021.2	*	23	0	NNW	2	6	*	*	*							
Wisby ...	1028.4	25	NW	4	0	1019.8	*	32	+2	N	4	0	*	*	*							
Hours of Observation G.M.T.																	Morning.		Evening.			
																	b.	b.				
British Isles ...																	7	18				
France ...																	7	18				
Norway ...																	7	18				
Sweden ...																	7	17				
Denmark ...																	7	18				
Holland ...																	7	18				
Italy ...																	7	20				
Egypt ...																	6	18				
Corunna ...																	7	16				
Madrid ...																	8	16				
Lisbon ...																	7	21				
Azores ...																	8	17				
Madeira ...																	7	21				
Malta ...																	8	—				
Limassol ...																	6	—				

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	-
Limassol ...	6	-

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night. 10h-9h.	Day. 9h-10h.	Max.	Min.	Forenoon.	Afternoon.			Night. 10h-9h.	Day. 9h-10h.	Max.	Min.	Forenoon.	Afternoon.			
	Mm.	Mm.	F.	F.			Hr.		Mm.	Mm.	F.	F.			Hr.		
Scotland.	Oban	-	-	36	33	b. o	b	14.	England, E.	Lowestoft	-	-	30	27	o	o.c.o	0.0
	Banff	-	-	36	33	o	o	0.0		Felixstowe	-	-	30	28	o	bc.	0.1
	Montrose	-	-	-	-	-	-	-		Walton-on-Naze	-	-	-	-	-	-	-
	Carnoustie	*	*	-	-	-	-	-		Southend-on-Sea	-	-	30	29	o	o	0.2
	St. Andrews	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-
Eng. N.E.	Harrogate	-	-	30	27	o. c	c. o	0.0	England, S.E.	Margate	-	-	?	?	o. c. bc.	1 bc. c.	1.2
	Skegness	-	-	31	29	a	o.	0.0		Ramsgate	-	-	29	26	o. c	c.	0.0
Eng. N.W.	Morecambe	-	-	32	29	o	0.0	Hastings		-	-	32	27	o. bc	bc	1.8	
	Southport	-	-	31	28	o	o. c. o.	0.0		Eastbourne	-	-	32	28	c. bc. b	b. bc.	3.9
Midlands.	Leamington Spa	-	-	-	-	-	-	-		Seaford	-	-	32	28	o	bc	3.3
	Malvern	-	-	-	-	-	-	-		Brighton	-	-	31	27	o. c	c. o.	2.3
	Ross-on-Wye	-	-	29	27	cx	cx	0.0		Worthing	-	-	32	28	bc	bc.	2.1
Wales.	Rhyl	-	-	30	26	cx	x. c	0.2	England, S.W.	Littlehampton	-	-	30	27	o	bc. o	1.0
	Colwyn Bay	-	-	34	27	c. bc	bc	3.8		Bognor	-	-	32	26	o	o	0.0
	Llandudno	-	-	34	27	c. b	bc.	3.1		Bournemouth	-	-	32	26	o	o	0.0
	Aberystwyth	-	-	31	29	o. c	bc. o	0.7		Weymouth	-	-	34	28	o	o	0.0
	Tenby	-	-	-	-	-	-	-		Torquay	-	-	37	31	o	o	0.0
									Paignton	-	-	-	-	-	-	-	
									Penzance	-	-	29	35	o	o	0.0	
									Newquay	-	-	36	29	o	o	0.0	
									Bude	-	-	38	26	o	o	0.0	
									Ilfracombe	-	-	34	29	o	o	0.0	
									Weston-s-Mare	-	-	31	25	o. c	c. o.	0.0	

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

26 th and 27 th Jan. 1917.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.47	12.6	4.24
Greenwich ...	7.46	12.6	4.26
Wick ...	7.50	12.13	4.36
Valencia ...	7.49	12.13	4.37
	8.34	12.25	4.15
	8.33	12.25	4.17
	8.33	12.54	5.14
	8.32	12.54	5.16

NOTES ON YESTERDAY'S WEATHER.

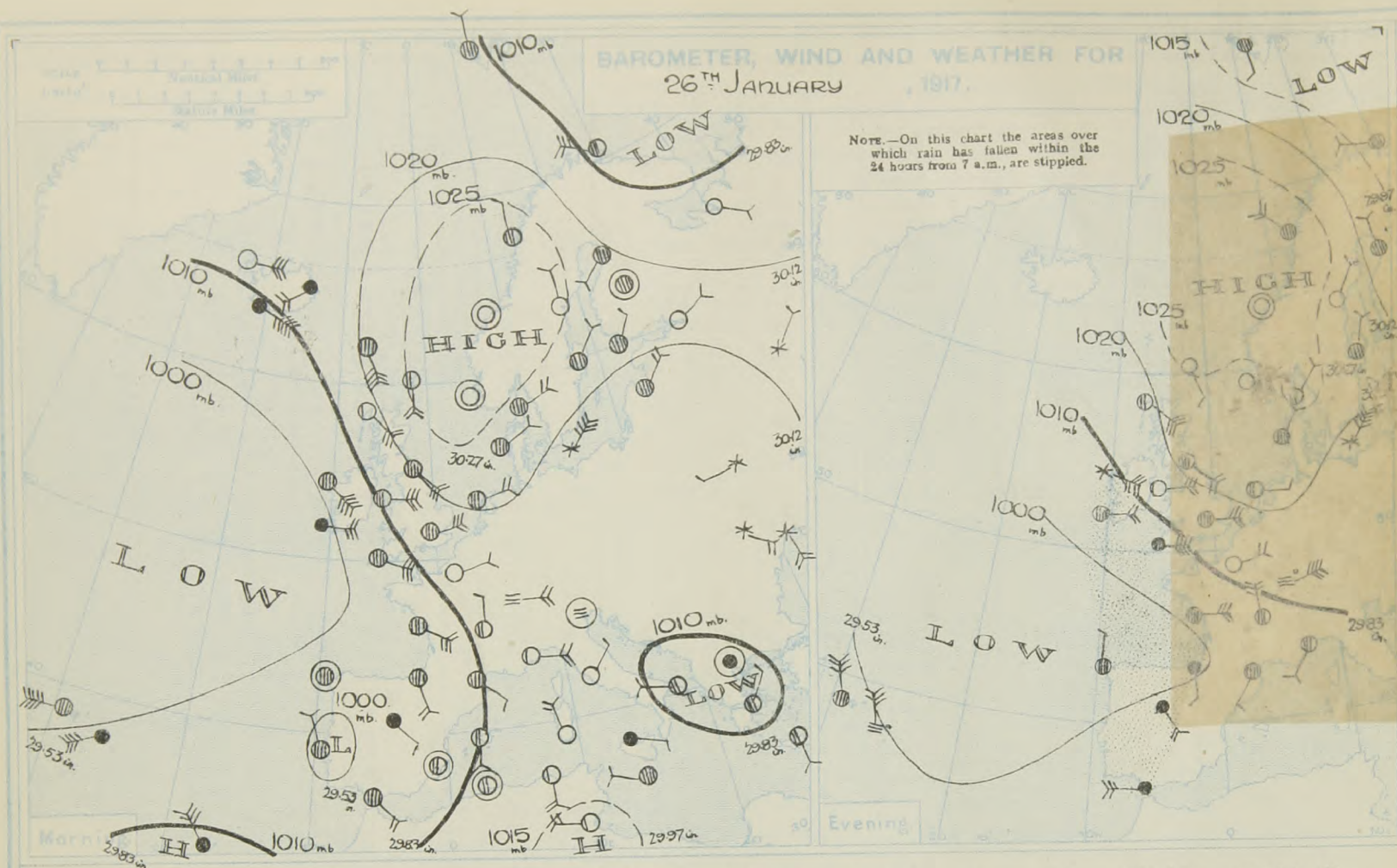
The weather was generally cold and dull, but from 2 to 4 hours of sunshine were experienced in North Wales and South-East England. Over the Midland counties the maximum temperature was below freezing-point. An Easterly gale was experienced in Ireland.

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

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 27. Saturday, 27th January.

STATIONS.	YESTERDAY EVENING.					THIS MORNING.										PAST 24 HOURS.					Sun- shine for Yester- day.	
	Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall Milli- metres.	TEMP.		WEATHER.				
			Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	102.67	37	SSE	1	b	102.57	-1	37	SW	1	-	o	1	-	40	31	bc	bc.b	bc.o	0.2	
	Deerness (Orkney)	102.40	39	SE	5	o	102.44	*	36	ESE	4	-	c	3	-	39	35	m.c	c.o	o.c	0.4	
	Stornoway	1017.4	37	SE	6	bcq	102.03	0	35	SE	6	-	bcq	5	-	39	33	b bcq	bcq	bc.bq	0.0	
	Castlebay (Barra Isd.)	1019.5	0				1019.5	0	37	ESE	6	SE	bc	6	-	39	26			cq oc	0.0	
	Glasgow	1020.2	32	ESE	2	bc	1020.9	0	32	E	3	-	o	*	-	34	31	o.c.o	o.c.bc	bc.co	0.0	
	Eskdalemuir	1020.6	30	ESE	5	bc	1021.2	0	30	ENE	4	-	o	*	Trace	31	29	os.o	o.c.bc	og.o	0.4	
	Malin Head	1011.7	33	SE	8	cmqx	1014.5	+1	35	ESE	6	-	omqx	7	-	35	30	cmqx	cmqx	omqx	0.0	
	Blackod Point	1005.6	32	SE	7	oms	1009.8	0	32	SE	6	SE	cm	6	0.4	33	33	cmbs	oms	om cm	0.0	
	Valencia	1003.1	44	E	4	o	1004.0	-1	35	ENE	5	-	obsq	*	5	44	34	o.c	cph o	c.c.pts	1.1	
	Roche's Pt.	1007.0	38	ESE	6	r	1007.3	*	36	ESE	7	-	o	6	12	42	34	r.o	r	r.o	0.0	
	Birr Castle	1009.4	31	ESE	2	s	1010.5	*	30	ESE	1	-	o	*	2	33	30	os	os	os.o	0.0	
	Donaghadee	1014.4	34	SE	7	gmq	1016.0	-1	35	SE	6	-	omq	6	-	36	32	omq	omq	omq	0.0	
	Liverpool (Bldston)	1016.7	30	E	5	b	1016.1	0	29	E	6	E	bcq	4	-	32	27	og	og	bcq	0.0	
	Holyhead	1014.0	31	E	5	bm	1014.2	0	30	E	6	-	b	6	-	34	30	com	a.c.bc.b	bm	0.0	
	Pembroke (St. Ann's)	1009.8	33	E	6	o	1008.4	-1	30	ESE	6	SE	cq	5	-	34	29	cq.pts	og	og.cq	0.0	
	Scilly (St. Mary's)	1006.8	38	E	8	odq	1003.0	-2	36	E	8	-	og	*	1	38	35	og.ogq	odq.or	og	0.0	
	Falmouth	1007.6	32	E	6	om	1003.5	-3	30	E	6	-	c	4	-	32	27	c.o	om	om.c	0.0	
	Jersey (St. Aubin)	1009.6	34	E	7	o	1006.7	-3	35	E	8	E	c	6	-	36	33	o	o	o.c	0.0	
	Portland Bill	1013.9	29	E	7	b	1013.0	-2	29	E	7	E	bcq	6	-	31	27	bc	bc	b.bc	0.0	
	Dungeness	1017.6	23	E	6	b	1016.8	-4	29	E	6	E	bc	6	-	29	25	c.bc	bc	bc.bq	1.1	
NORTHERN EUROPE.	Wick	1023.8	37	SE	5	o	1023.9	-1	38	SSE	4	-	o	4	-	40	36	mp	mpq.ong	omq	0.0	
	Nairn	1021.5	34	SE	3	bc	1022.3	*	31	-	0	-	cq	1	-	38	29	g.bc.c	bc	bc.c	2.6	
	Aberdeen	1024.3	37	SE	4	c	1023.8	-1	36	ESE	5	-	o	4	-	38	36	o.c	c.o.c	c.o	0.4	
	Leith	1021.1	34	E	3	b	1021.1	0	35	E	2	-	o	3	-	37	33	o.c.bec	c.bc.b	b.bca	0.0	
	Tynemouth	1021.0	36	SE	4	cq	1020.9	-1	35	SE	3	-	og	4	-	37	33	cq	og	og	0.0	
	Spurn Head	1018.9	33	SE	5	og	1018.7	-1	34	SE	6	-	og	6	-	35	31	cq	og	og	0.0	
	Yarmouth	1018.7	32	E	6	o	1018.0	-1	33	ESE	6	-	o	6	-	33	30	c	og	og.o	0.0	
	Clacton-on-Sea	1017.6	32	E	5	c	1016.8	-2	32	ENE	5	E	bc	5	-	32	28	bc.c	c	c.bc	0.0	
	Nottingham	1018.4	31	E	3	c	1018.3	*	29	ESE	4	E	o	*	-	32	26	o.c	o.c	c.o	0.0	
	Benson (Oxon.)	1015.1	29	ENE	4	c	1013.7	0	28	ENE	4	-	bc	*	-	31	26	o	c	c.bc	0.0	
Sth Farnborough	1015.2	26	ENE	3	b	1013.1	-3	26	ENE	4	W	b	*	-	32	24	o	o.b	b	1.3		
London (Kew Obsy.)	1016.6	30	ESE	5	om	1014.6	-2	30	ENE	6	E	bc	*	-	31	28	om	om.bcmq.og.og.bc	og.bc	0.2		
FRANCE, &c.	Spitsbergen	1013.2	14	S	1	o	1016.7	+2	12	NW	2	*	o	*	14	1	UPPER AIR. South Farnborough. Pilot Balloon Ascent at 8h. Wind at 1500 metres E by S 23 m/s 1200 " E by S 23 " 900 " E by S 23 " 600 " E 21 " 300 " E by N 15 " Surface E by N 7 "					
	Vardö	1014.3	30	WNW	2	o	1014.7	0	27	NE	2	-	o	?	?	?	?					
	Bodö	1029.0	37	NW	4	o	1028.3	-1	36	SW	2	-	c	2	-	39	34					
	Christiansund	1029.1	34	-	0	b	1028.7	0	32	-	0	-	b	3	-	36	27					
	Stadesnaes	1023.9	23	ESE	1	b	1026.7	0	23	ENE	2	-	b	1	-	27	18					
	Færder (Xtaniafjord)	1025.6	23	NNW	4	b	1027.1	-1	23	NNW	3	-	b	1	-	27	23					
	The Scaw (Skagen)	1026.3	24	NE	2	bc	1026.3	0	25	NE	1	-	c	0	-	28	23					
	Blaavands Huk	1023.4	25	NNE	2	o	1023.5	-1	21	NE	2	-	o	1	-	27	18					
	Copenhagen	1021.5	28	NE	4	o	1022.9	0	27	NE	3	-	o	*	-	30	25					
	Bornholm	1018.3	30	NE	8	s	1020.6	0	28	NE	7	-	o	2	Trace	32	27					
SOUTHERN STATIONS.	The Helder	1021.1	27	E	1	bc	1020.7	-1	28	ENE	3	-	c	2	-	30	27	GALES Duration and Extreme Force in British Islands. Malin Head: 26 th 7h - 27 th 4h SE 8 SE 9 during late evening Blackod Point: 26 th 7h - 8h SE 8. Roche's Point: 26 th 7h - 13h SE-ESE 8 and SE 8 after midnight Falmouth: 26 th 18h - 27 th 7h E 8. Portland Bill: 26 th 19h - 27 th 7h E 8. London (Kew): 26 th 15 th 10m Gust 19 m/s.				
	C. Gris Nez	1014.4	23	E	5	b	1013.9	-3	21	E	6	*	b	5	-	25	19					
	La Hève	1012.4	24	ESE	5	m	1007.5	*	23	E	5	*	b	4	-	25	21					
	Brest (St. Mathieu)																					
	Rochefort (Ile d'Als)	1001.5	40	E	5	o	996.3	-1	31	E	5	*	o	*	?	43	30					
	Biarritz	999.0	55	S	1	r	995.3	0	34	WNW	2	*	r	6	5	59	34					
	Paris	1012.4	23	ENE	2	b	1008.8	-3	21	ENE	4	-	b	*	-	30	18					
	Belfort	1013.5	19	ENE	7	m	1012.0	*	12	E	7	*	b	*	-	21	11					
	Lyons	1008.0	27	NNW	5	c	1007.0	*	29	-	0	*	c	*	?	36	18					
	Nice	1004.0	41	SW	2	c	1000.2	-1	43	E	2	*	r	6	Trace	50	32					
LONDON OBSERVATIONS.	Perpignan	1005.1	41	SW	1	o	996.3	-6	43	SW	1	-	o	*	-	43	39					
	Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
	Corunna	1000.2	52	N	1	o	994.5	-4	43	SE	1	NW	o	4	6	52	41					
	M. d'rid	1001.0	46	SSE	3	r	998.9	-2	39	WSW	1	-	o	*	3	48	37					
	Lisbon																					
	Azores (Horta)	1001.9	*	NW	6	o																
	Madeira																					
	Gibraltar	1004.7	54	W	5	r	997.9	*	50	SW	7	*	r	5	7	60	52					
	Malta		*	*	*	*	1003.7	-2	55	SSW	2	W	o	0	-	57	50					
	Limassol		*	*	*	*	1011.3	+1	52	E	1	-	bc	5	-	63	48					
SOUTH KENSINGTON.	Alexandria																					
	Cairo (Helwan)																					
	Vertical Component of Solar Radiation per square Centimetre during Yesterday.																					
	Total.																					
	Average Rate.																					
	Max. Rate.																					
	Joules.																					
	Milliwatts.																					
	Milliwatts.																					



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NO
WARNINGS
ISSUED.

Western Channel and Bay 11

0 } Strong South-Easterly winds in the Hebrides, to light variable breezes in the Shetlands; fair to overcast; cold.

1 } Moderate to fresh South-Easterly wind; variable cloud; cold.

2 } Fresh to strong Easterly wind; variable cloud; cold.

3 } Strong Easterly wind, a gale at times; fair at first, becoming less settled; cold.

4 } Strong winds between East and South-East; dull to fair; cold.

5 } Same as No. 5.

6 } Same as Nos. 6 and 7.

7 } Fresh to strong Easterly winds; dull, some rain or sleet; cold.

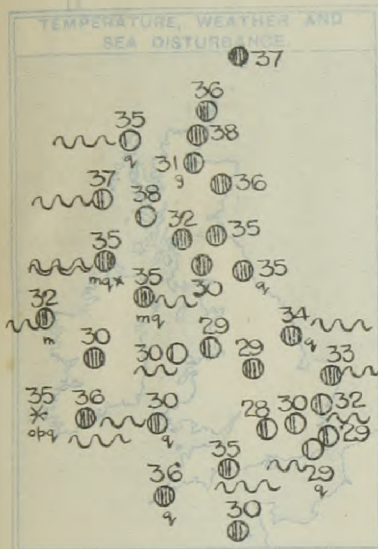
8 } Gales or strong winds from East over mouth of Channel, variable breezes further south; sea rough; unsettled.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF SATURDAY 27TH JANUARY, 1917.

GENERAL INFERENCE

The low pressure area over the Bay of Biscay is likely to spread slowly northward and maintain strong Easterly winds, with weather becoming somewhat less settled in the English Channel. No material change is anticipated further north.



EXPLANATION.

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

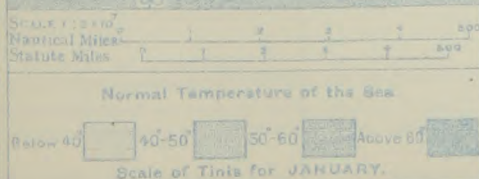
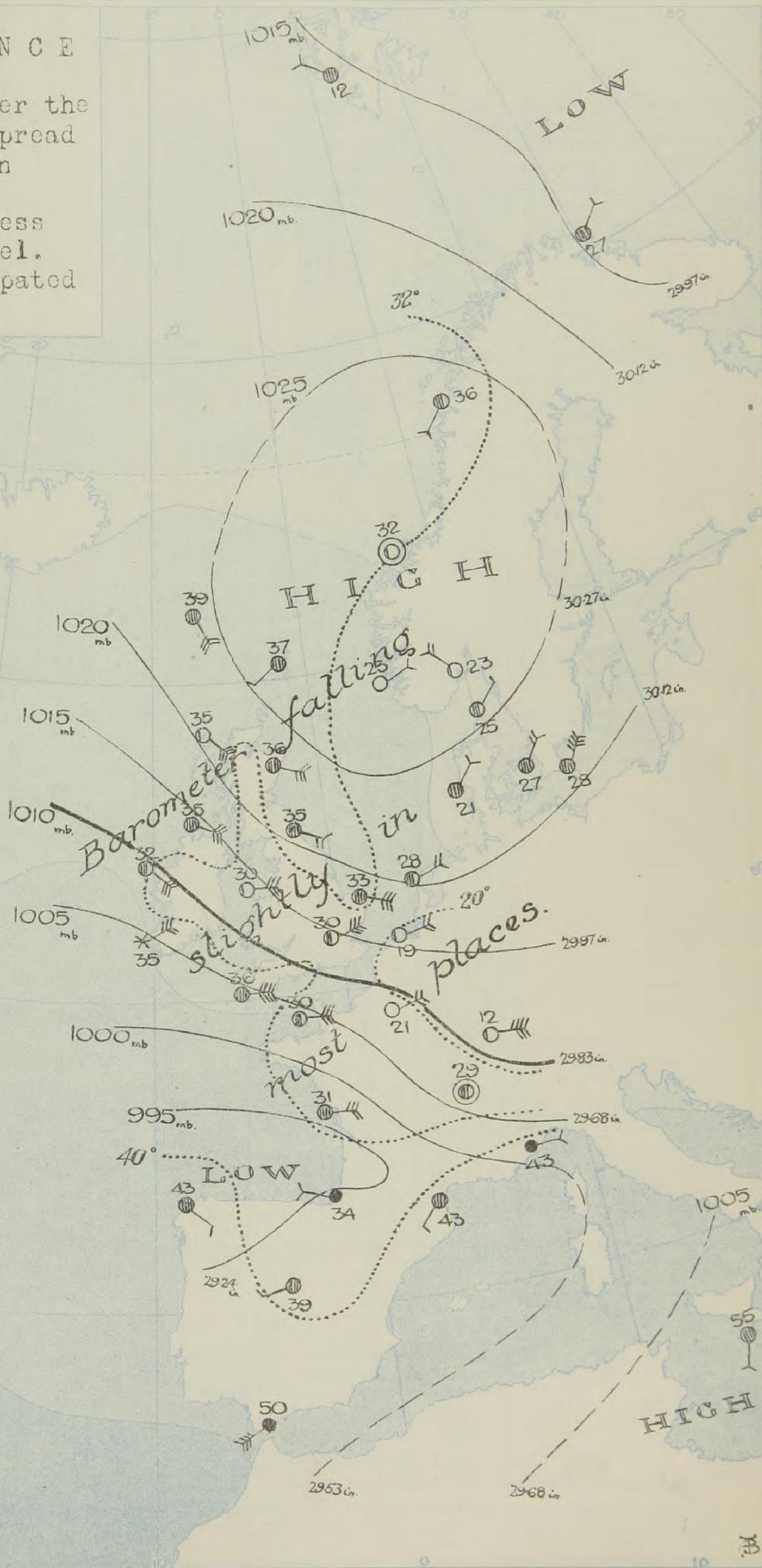
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm.

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

WEATHER.—Shown by the following symbols:—

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

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



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.							PAST 24 HOURS.				MORNING								
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Weather.	Rain fall, Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.			
			Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.				
RUSSIA 7 a.m. and 9 p.m. Local Time.																									
Archangel ...	1021.0	3	NE	2	0	1014.1	-1	3	+3	SE	2	0	-	* ^{°F}	0 ^{°F}	Isafjord ...	1013.2	37	+3	E	6	b			
Gorki ...	1013.7	18	SW	2	S	1013.7	-	-	-	-	-	-	5	*	-	Reykjavik ...	1006.3	39	0	E	6	o			
Veliki Luki ...	1009.0	30	SSW	2	0	1016.3	*	19	-4	-	0	0	3	*	18	Vestmanna ...	1006.4	41	0	ESE	9	r			
Hangö ...	1017.6	28	NNE	1	0	1021.4	0	23	+2	NNE	1	0	-	*	19	Seydisfjord ...	1018.0	39	-2	WSW	4	r			
Riga ...	1013.1	27	NNE	1	C	1017.1	6	25	-5	NE	3	0	-	*	21	Thorshavn ...	1020.6	40	+2	SSE	1	m			
Petrograd ...	1016.6	12	NNE	4	C	1021.0	+1	0	-26	ENE	2	b	1	27	0										
Moscow ...	1017.3	7	SE	2	0	1020.2	0	0	-9	ENE	2	S	1	*	-2										
Kiev ...	1020.3	14	SW	2	0	1017.1	0	12	0	W	1	S	-	*	9										
Kharkov ...	1021.9	19	NW	1	0	1020.0	0	16	0	-	0	0	-	*	14										
Kishinev ...	1015.9	21	NW	3	S	1010.6	0	27	+22	-	0	0	-	*	1										
Elisabetgrad ...	1020.8	16	ESE	1	bc	1016.6	0	19	0	ESE	3	S	-	*	14										
Nicolaiev ...	1020.2	27	SE	2	C	1014.0	*	25	+4	E	3	r	1	*	19										
Odessa ...	1019.4	30	ESE	3	0	1012.0	-1	30	+9	SSE	4	S	3	*	21										
Tarkhankout ...	1019.4	36	SE	2	0	1011.5	*	30	+3	E	7	0	2	*	27										
Soukhoum ...	1021.3	32	NW	1	b	1017.2	0	32	-4	ENE	2	C	1	*	28										
MEDITERRANEAN.																									
Venice ...	1012.7	30	NW	1	b	1010.7	*	21	-7	NW	1	f	-	32	18										
Pesaro ...	1013.0	53	N	1	b	1012.4	*	16	-	W	1	b	1	36	16										
Rome ...	1010.2	39	N	1	bc	1011.6	*	34	-7	NE	1	b	6	45	34										
Viesti ...	1009.7	45	S	1	0	1008.7	*	43	0	NW	4	0	6	46	41										
Brindisi ...	1008.4	50	SW	1	bc	1006.2	*	43	-3	NW	2	bc	10	55	43										
Cagliari ...	1012.9	54	NW	4	bc	1011.7	*	48	-2	NW	3	b	4	59	45										
Palermo ...	1011.9	52	ESE	1	C	1012.2	*	50	-2	SE	1	r	2	61	48										
Tripoli ...	1014.3	54	WNW	3	b	1014.6	*	45	-	SSW	2	b	-	61	41										
Algiers ...	1014.3	54	WNW	3	b	1011.0	+1	48	-	-	0	bc	-	61	48										
SWEDEN.																									
Hernösand ...	1026.3	18	N	2	b	1025.2	*	5	-22	N	2	b	*	*	*										
Stockholm ...	1020.3	28	N	4	0	1023.3	*	27	+4	NE	2	0	*	*	*										
Wisby ...	1017.5	32	N	8	S	1019.8	*	28	-4	NE	2	0	*	*	*										
HOURS OF OBSERVATION G.M.T.																									
																	Morning.		Evening.						
																	b.	b.							
British Isles ...																	7	18							
France ...																	7	18							
Norway ...																	7	18							
Sweden ...																	7	17							
Denmark ...																	7	18							
Holland ...																	7	18							
Italy ...																	7	20							
Egypt ...																	6	18							
Corunna ...																	7	16							
Madrid ...																	8	16							
Lisbon ...																	7	21							
Azores ...																	8	17							
Madeira ...																	7	21							
Malta ...																	8	—							
Limassol ...																	6	—							

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	-
Limassol ...	6	-

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night. 12h-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 12h-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			
	Min.	Min.	F.	F.			Hr.		Min.	Min.	° F.	° F.			Hr.		
Scotland.	Oban	—	—	38	33	0	c	0.3	England, E.	Lowestoft	—	—	33	27	o.c	c.	0.0
	Banff	Trace	—	37	34	0.c	bc.c	0.3		Felixstowe	—	—	32	27	bc.g	bc.c.g	0.2
	Montrose	—	—	—	—	—	—	—		Walton-on-Naze	—	—	—	—	—	—	—
	Carnoustie	*	*	—	—	—	—	—		Southend-on-Sea	—	—	31	27	0	0	0.0
	St. Andrews	—	—	37	30	—	—	0.2									
Eng. N.E.	Harrogate	—	—	31	26	0	o.c.	0.0	England, S.E.	Margate	—	—	30	26	c	c.	0.0
	Skegness	—	—	35	28	0	o.c.	0.4		Ramsgate	—	—	29	25	c	c.o.	0.0
Eng. N.W.	Morecambe	—	—	34	28	—	—	0.0		Hastings	—	—	29	26	o.bc.b	b	2.6
	Southport	—	—	31	27	0	0	0.0		Eastbourne	—	—	31	28	o.g	bc.c.g.	1.1
Midlands.	Leamington Spa	—	—	—	—	—	—	—		Seaford	—	—	—	—	—	—	—
	Malvern	—	—	—	—	—	—	—		Brighton	—	—	31	25	o.bc.	bc.b.	2.3
	Ross-on-Wye	—	—	31	26	o.c	o.bc.c	0.0		Worthing	—	—	31	26	—	—	1.6
Wales.	Rhyl	—	—	—	—	—	—	—		Littlehampton	—	—	30	26	0	bc.o	0.8
	Colwyn Bay	*	*	31	27	bc	bc.	0.0		Bognor	—	—	31	29	bc	bc.o	1.0
	Llandudno	*	*	33	27	c	c.	0.0		Bournemouth	—	—	31	28	0	0	0.0
	Aberystwyth	*	*	31	27	o.c	c.o.	0.0	England, S.W.	Weymouth	—	—	33	30	0	0	0.0
	Tenby	—	—	—	—	—	—	—		Torquay	—	—	38	35	0	0	0.0
								Paignton		—	—	37	32	0	0	0.0	
									Penzance	2	1	40	37	0	o.m.	0.0	
									Newquay	—	—	37	34	0	0	0.0	
									Bude	—	—	38	32	0	0	0.0	
									Ilfracombe	—	—	33	28	0	0	0.0	
									Weston-s-Mare	—	—	31	27	o.c	c.o.	0.0	

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

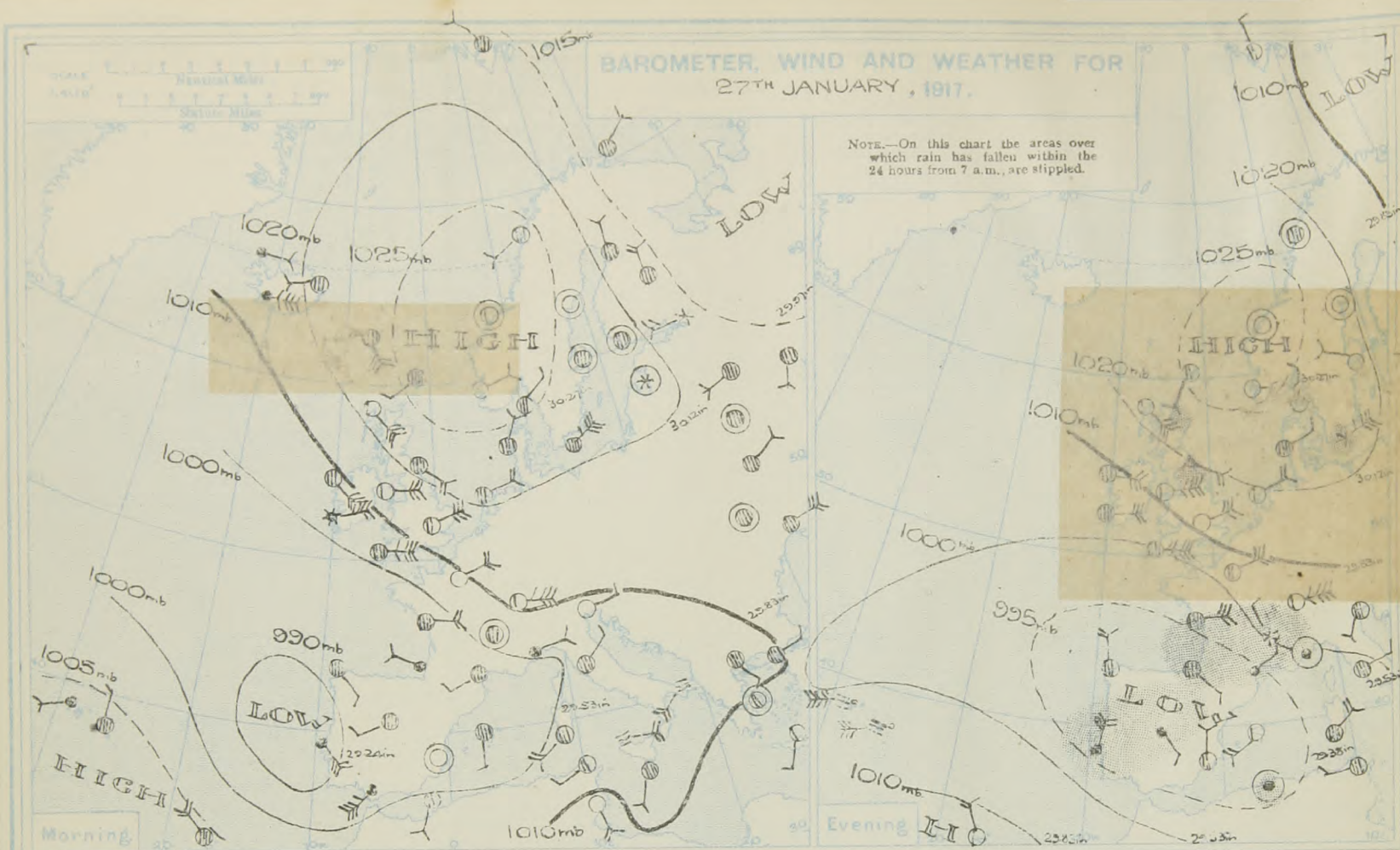
27 th and 28 th January, 1917.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 7.46 7.44	G.M.T. 12.6 12.6	G.M.T. 4.26 4.28
Greenwich ...	7.49 7.47	12.13 12.13	4.27 4.29
Wick ...	8.32 8.30	12.25 12.25	4.17 4.19
Valencia ...	8.32 8.30	12.54 12.54	5.16 5.18

NOTES ON YESTERDAY'S WEATHER.

Dull cold weather continued. Maxima at about the freezing-point were reported from inland stations. Easterly gales blew at some of the Irish stations and in the Channel. Rain fell in southern Ireland, Roche's Point 12 mm.

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

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FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NO
WARNINGS
ISSUED

Western Channel and Bay 11

FURTHER OUTLOOK.

0 } South-Easterly wind, fresh in Hebrides, to light in Shetland; mostly fair, cold.

1 } Moderate to fresh South-Easterly wind; mostly fair; cold.

2 } Strong Easterly or South-Easterly winds; fair generally; cold.

3 } Strong Easterly wind, a gale at times; fair generally; cold.

4 } Fresh or strong South-Easterly winds; fair generally; cold.

5 } Same as No. 5.

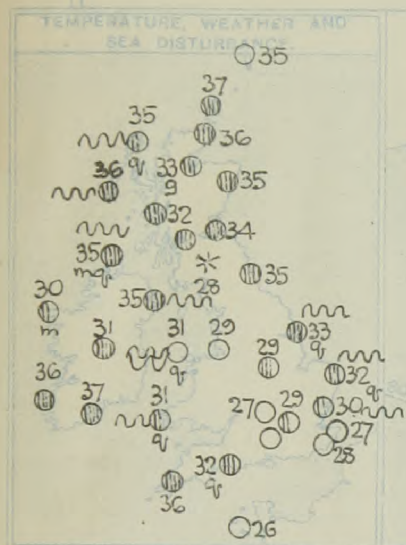
6 } Same as Nos 6 and 7

7 } Same as No. 5.

8 } Gales or strong Easterly winds over mouth of Channel, light indefinite breezes over southern part of Bay; sea rather rough; unsettled.

GENERAL INFERENCE.

There are no indications of any material change from the present conditions.



EXPLANATION.

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

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

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

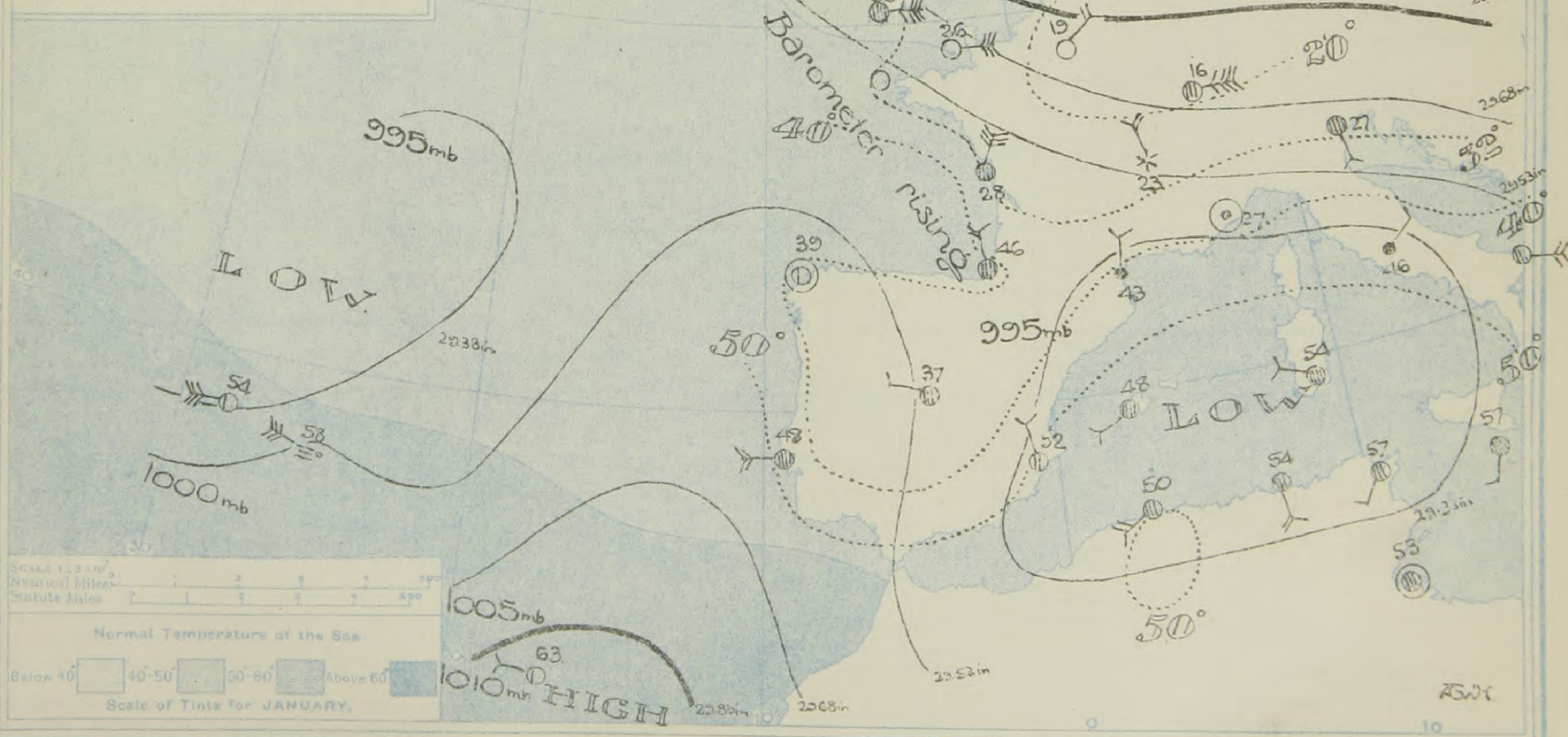
TEMPERATURE.—Given in degrees Fahrenheit.

Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—

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

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



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.					PAST 24 HOURS.			MORNING								
	Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.		Max.	Min.			Dir.	Force 0-12.	Weather.			
		° F.						° F.	° F.				° F.	° F.			° F.	° F.				
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1005.1	19	W	2	b							*	*								
	Gorki ...	1017.9	12	-	0	o	1017.0	-	5	-	-	0	0	-	*	5						
	Velieki Luki ...	1019.1	18	S	2	o	1019.9	*	12	-7	WSW	2	0	1	*	12						
	Hangö ...	1021.9	25	ENE	1	o	1021.2	0	23	0	ENE	1	0	-	*	14						
	Riga ...	1020.0	19	NE	1	o	1021.2	0	16	-9	-	0	5	-	*	16						
	Petrograd ...	1020.6	7	WSW	1	o	1015.8	-4	18	+18	W	3	5	-	*	0						
	Moscow ...	1022.1	1	N	1	o	1018.0	-2	3	+3	SSW	2	0	-	*	-2						
	Kiev ...	1015.7	18	E	3	S	1016.4	0	16	+4	ENE	2	0	4	*	10						
	Kharkov ...	1019.3	7	-	0	b	1019.3	+1	7	-11	-	0	0	-	*	1						
	Kishinev ...	1010.3	25	-	0	o	1010.6	-1	25	-2	-	0	0	1	*	23						
MEDITERRANEAN.	Elisabetgrad ...					1014.7	0	19	0	ESE	4	0	4	*	19							
	Nicolaiev ...	1011.5	27	ENE	3	c	1012.2	*	23	-2	ENE	3	0	-	*	21						
	Odessa ...	1010.0	30	SSW	4	o	1010.6	+1	28	-2	E	5	0	1	*	27						
	Tarkhankout ...	1008.4	32	E	7	bc	1008.3	*	30	0	ENE	5	0	-	*	28						
	Soukhoun ...	1014.4	39	ESE	1	r	1011.0	+3	41	+9	NE	1	r	-	*	?						
	Venice ...	1006.0	25	NNE	1	o	1007.7	*	30	+9	E	1	o	-	34	18						
	Pesaro ...					1005.6	*	34	+18	WSW	1	S	?	34	16							
	Rome ...	1009.2	43	E	1	o	1003.3	*	43	+9	NE	1	o	2	46	34						
	Viesti ...	1009.6	41	NW	1	b	1006.0	*	45	+2	SE	1	o	-	46	37						
	Brindisi ...	1009.2	45	NE	6	b	1005.9	*	45	+2	SW	8	f	-	50	43						
SWEDEN.	Cagliari ...	1008.9	57	SE	3	bc	1002.2	*	52	+4	SW	3	o	-	61	46						
	Palermo ...	1011.3	45	-	0	b	1005.0	*	57	+7	ESE	4	f	-	61	45						
	Tripoli ...	1011.6	50	-	0	b	1009.9	*	52	+7	S	3	b	-	66	45						
	Algiers ...																					
	Hernösand ...	1024.3	10	NE	2	b	1024.4	*	9	+4	-	0	b	*	*	*						
	Stockholm ...	1023.3	25	NNE	2	o	1024.0	*	23	-4	NNW	2	0	*	*	*						
	Wisby ...	1021.3	28	NE	4	o	1022.6	*	27	-1	E	2	0	*	*	*						

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles	7	18
France	7	18
Norway	7	18
Sweden	7	17
Denmark	7	18
Holland	7	18
Italy	7	20
Egypt	6	18
Corunna	7	16
Madrid	8	16
Lisbon	7	21
Azores	8	17
Madeira	7	21
Malta	8	—
Limassol	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night. 18h-9h.	Day. 9h-18h.	Max.	Min.	Forenoon.	Afternoon.			Night. 18h-9h.	Day. 9h-18h.	Max.	Min.	Forenoon.	Afternoon.			
	Mm.	Mm.	F.	F.			Hr.		Mm.	Mm.	° F.	° F.			Hr.		
Scotland.	Oban	-	-	38	33	b	o	0.9	England, E.	Lowestoft	-	-					
	Banff	-	-	37	34	c	c.o	0.0		Felixstowe	-	-	35	29	o.bcq	bcq	1.2
	Montrose									Walton-on-Naze							
	Carnoustie	*	*							Southend-on-Sea	-	-	34	28	o.c.	b.bc.b	3.6
	St. Andrews																
Eng. N.E.	Harrogate	-	Trace	31	28	o	o.s.p	0.0	England, S.E.	Margate	-	-	33	27	c.b.	c.b	3.6
	Skegness									Ramsgate	-	-	31	27	bc	bc	4.6
Eng. N.W.	Morecambe									Hastings	-	-	32	27	b	b	7.0
	Southport	-	-	33	29	o.	o.c.o	0.0		Eastbourne	-	-	34	28	bc	b	5.4
Midlands.	Leamington Spa									Seaford	*	*	34	24	b	b	6.5
	Malvern									Brighton	-	-	34	26	b	bc	6.5
	Ross-on-Wye	-	-	34	25	bcx	bx	6.4		Worthing	-	-	34	26	b	b	5.5
Wales.	Rhyl									Littlehampton	-	-	33	24	b.	b.bc	6.6
	Colwyn Bay	*	*							Bognor	*	*	34	26	bc	bc	4.9
	Llandudno	*	*	34	28	c	c	0.1	Bournemouth	-	-	33	26	b	o.b	1.3	
	Aberystwyth	*	*	32	27	bc	c	0.0	England, S.W.	Weymouth	*	*					
	Tenby									Torquay	-	-	37	33	o.c	o	0.3
								Paignton		*	*	36	33	o	o	0.0	
								Penzance		-	-	39	37	o	o	0.0	
								Newquay									
									Bude								
									Ilfracombe								
									Weston-s-Mare								

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

28 th and 29 th Jan. 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.44 7.42	12.6 12.6	4.28 4.30
Greenwich	7.47 7.46	12.13 12.13	4.39 4.41
Wick	8.30 8.28	12.25 12.25	4.19 4.22
Valencia	8.30 8.28	12.54 12.54	5.18 5.20

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

STATION, Date and Hour.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
Heights in Kilometres														

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

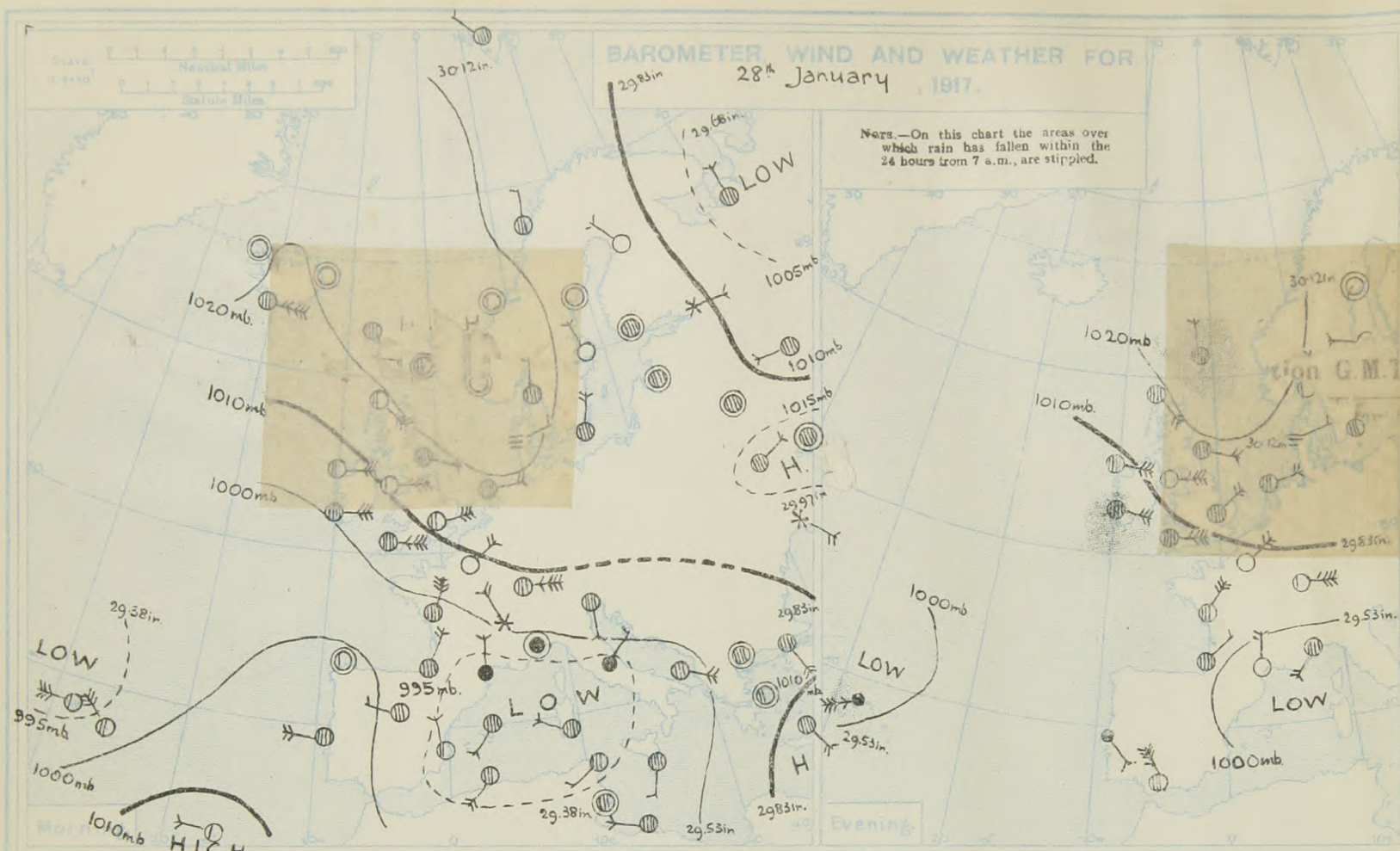
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 29. Monday 29th January

STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.							Sun- shine for Yester- day Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometre. Milli- bars at M.S.L.	Change in 5 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea (0-9).	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Dir.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.																							
Lerwick	1022.8	37	NW	2	o	1016.6	-2	39	+4	N	3	M	bc	3	1	39	35	bc.c	bc.c	bc.c	*		
Deerness (Orkney)	1022.3	37	ENE	3	o	1016.2	*	36	-1	NW	2	-	cp	1	1	39	34	o	o	op.o	0.0		
Stornoway	1019.5	35	SE	4	o	1018.1	-1	34	-1	SE	4	-	og	3	-	37	31	bc	bc.c	e.og	1.2		
Castlebay (Barra Isd.)	1018.6	37	ENE	5	o	1017.9	o	36	o	SE	4	-	o	5	-	37	35	o	o	o	0.2		
Glasgow	1019.0	32	E	4	o	1017.4	-2	31	-1	SE	2	-	o	*	-	34	30	o.c.	bc.c	o	1.1		
Edinburgh	1018.9	29	NE	3	o	1017.1	-2	28	o	ENE	4	-	o	*	-	30	27	o.s.o.s	o.s.c	o.s.c	0.0		
Malin Head	1011.2	33	ENE	6	cg.x	1013.9	o	32	-3	SE	3	-	om.x	5	-	35	32	c.og	cg.x	om.x	0.0		
Blackod Point	1008.4	32	ENE	6	cg	1011.2	o	30	o	SE	4	SE	bcg	5	-	32	29	bc.m	cm	bcg.m	*		
Blackod Point	1004.6	39	ENE	5	o	1007.4	o	36	o	E	4	-	o	3	-	35	35	o.s	ro	o.c	0.0		
Blackod Point	1008.8	37	ENE	6	o	1010.3	*	37	o	ENE	5	-	o	5	-	38	35	o.s.p.o	o	o	*		
Blackod Point	1011.3	30	SE	1	c	1012.7	*	28	-3	-	o	-	o	*	-	33	28	c	c	c.o	0.4		
Donaghadee	1014.9	35	SE	6	o	1014.2	-1	34	-1	SE	6	-	og.mq	5	-	35	33	omq	omq	omq	*		
Liverpool (Bidston)	1015.7	31	E	4	o	1014.8	-1	31	+2	E	2	-	o	3	-	32	29	og	o	omq	0.0		
Holyhead	1013.0	32	E	7	b	1013.5	-1	28	-3	E	5	-	b	4	-	38	27	b.bc.cq	b.bc.cq	b	4.6		
Pembroke (St. Ann's)	1011.5	30	E	4	b	1012.0	o	30	-1	E	4	SE	cg	4	-	33	28	cg	cg	bcg.cq	0.0		
SCOTLAND.																							
Scilly (St. Mary's)	1009.3	34	E	7	og	1008.8	+1	35	-1	E	6	-	og	*	-	38	33	og.cq	bcg.cq	cg.og	1.2		
Falmouth	1006.7	30	ENE	5	b	1008.9	*	27	+1	E	3	-	b	3	-	32	26	b	b	bx	7.7		
Jersey (St. Aubin)	1009.7	32	E	7	b	1010.7	+1	28	-4	NE	5	NE	o	5	-	34	28	c.bc	bc	b.bc.c	*		
Portland Bill	1010.9	31	E	6	b	1011.6	o	26	-2	ENE	5	E	bc	5	-	34	26	bc	bc	b.bc.c	*		
Dungeness	1014.5	30	E	5	b	1013.2	o	26	-1	NE	3	NE	c	4	-	31	25	b	b	b.bc.c	8.2		
ENGLAND.																							
Wick	1021.2	36	SE	3	o	1016.8	-2	34	-2	WNW	1	-	o	3	-	39	33	mgo	o	omg	*		
Nairn	1020.9	34	ENE	1	o	1017.5	*	31	-2	-	o	-	cg	1	-	35	30	cg	cg.o	og.c	0.0		
Aberdeen	1021.3	36	ENE	3	o	1016.8	-3	34	-1	W	2	-	o	3	-	36	33	ogp	o	o	0.0		
Leith	1019.4	35	E	2	o	1017.2	-1	33	-1	SE	1	-	o	2	-	35	32	o	o.g	o.om.o	*		
Tynemouth	1018.7	35	ENE	3	op	1016.4	-1	34	-1	ENE	2	-	op.h	3	-	36	33	op.h	og.p.h	o	*		
Spurn Head	1017.3	32	SE	5	o.sq.h	1015.0	-1	33	o	SE	3	-	o	5	-	34	30	og	og.sh	og	0.0		
Yarmouth	1017.1	31	ENE	6	o	1015.0	-1	31	-1	ENE	5	-	o	5	-	32	30	og	o.c	og	0.0		
Clacton-on-Sea	1014.5	31	NE	5	bc	1013.7	-1	30	o	ENE	5	E	c	4	-	33	29	bc.c	c.bc	bc.c	2.0		
Nottingham	1016.4	31	E	4	o	1015.2	*	30	+1	E	1	-	o	*	-	32	28	c	o	o	0.0		
Benson (Oxon.)	1013.7	28	ENE	5	b	1012.9	o	27	o	ENE	4	-	o	*	-	31	22	bc	bc	bc	*		
St. Farnborough	1013.0	28	E	3	c	1012.2	o	28	+2	ENE	4	-	o	*	-	33	20	bc	bc.c.c	c.bc.c	0.0		
London (Kew Obsy.)	1014.0	31	NE	4	om	1013.2	o	29	o	NE	4	-	o	*	-	31	28	bc.og.oms	omg.cmg	om.bcm	0.2		
NORTHERN EUROPE.																							
Spitsbergen													*	*				UPPER AIR.					
Vardö													*	*				South Farnborough.					
Bodö													*	*				Pilot Balloon Ascent at 7.50.					
Christiansund													*	*				600 metres: E'N 20 m/s					
Skudenes													*	*				300 " : E'N 21 m/s					
Færder (Kjellerfjord)													*	*				Surface: E'N 10 m/s					
The Scaw (Skagen)	1009.5	21	NNE	1	b	1017.2	+1	16	-6	E	1	-	c	o	-	25	14						
Blaavands Huk	1019.8	16	ENE	1	f	1016.2	+1	21	+5	E	1	-	o	1	-	25	12						
Copenhagen	1018.1	25	NW	2	o	1015.5	+1	21	-4	E	1	-	o	*	-	28	21						
Bornholm	1016.3	27	NNE	2	c	1013.6	-1	28	o	NNE	3	-	m	1	Trace	30	23						
FRANCE, &c.																							
The Helder	1017.2	28	ENE	3	c	1015.4	-1	28	+1	NE	2	-	o	1	-	30	27						
C. Gris Nez	1010.0	27	ENE	6	b	1011.9	-1	18	-3	E	3	-	b	3	-	28	1						
La Hève													*	*									
Brest (St. Mathieu)													*	*									
Rochefort (Ile d'Aix)	1002.9	30	NE	5	c	1003.8	+1	21	-7	NE	4	-	b	*	-	34	21						
Biarritz	1001.3	45	NE	1	o	1001.6	+4	37	-9	-	o	-	o	3	-	48	36						
Paris	1007.9	25	NE	3	b	1009.2	+1	14	-5	NNE	2	-	b	*	-	32	14						
Belfort	1007.4	14	E	7	b	1008.6	*	10	-6	E	7	-	b	*	-	22	9						
Lyons	1002.3	23	NW	2	s	1004.4	*	17	-6	NW	2	-	o	*	-	25	17						
Nice	995.9	39	SW	3	o	995.4	o	36	-1	-	o	-	r	-	8	45	32						
Perpignan	997.1	49	N	3	b	998.3	o	36	-7	SW	1	-	b	*	Trace	52	34						
Sanguinaire													*	*									
SOUTHERN STATIONS.																							
Corunna													*	*									
Madrid													*	*									
Lisbon	1002.1	50	SE	2	r	1007.1	+3	54	+6	WSW	3	-	o	7	8	55	54						
Azores (Horta)	998.4	*	WSW	9	r								*	*									
Madeira													*	*									
Gibraltar	1005.1	57	NW	1	m	1011.2	*	59	-	W	1	-	s	5	2	59	50						
Malta		*	*	*	*	992.3	+4	54	-3	WNW	4	-	r	4	27	63	52						
Limassol		*	*	*	*	1011.7	-2	57	+2	WNW	2	-	o	4	-	66	48						
Alexandria	1013.9	57	-	o	b	1008.4	-2	52	-3	SE	3	-	b	1	-	70	46						
Cairo (Helwan)	1014.4	59	-	o	b	1004.4	o	53	+1	SE	3	-	b	*	-	70	50						
24 HOURS ENDED 9 h. To-Day																							
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.				WEATHER.			SOUTH KENSINGTON.											
		25 h. Yester- day.	9 h. To- day.		Max.	Min.	Min. on Grass.	Rain- fall. mm.	Morn- ing.	After- noon.	Night.												
GREENWICH (Royal Observatory)		62	52	0.7	31	27	19	o	o	o	o, c, bc.	Vertical Component of Solar Radiation per square Centimetre during Yesterday.											
CITY (Bunhill Row)		*	*	*	*	*	*	*	*	*	*	Total.	Average Rate.	Max. Rate.									
WESTMINSTER (St. James's Park)		?	?	0.0	32	29	27	-	bc	bc	bc.m	Joules.	Milliwatts.	Milliwatts.									
CAMDEN SQ. (British Rainfall)		-	68	0.1	32	25	20	-	-	-	*	172	5.4	13.0									
HAMPSTEAD (Reservoir)		*	?	0.2	29	23	16	-	bcx	bcx	ox	Temperatures at Greenwich and Cam- den Square are from Glazebrook's records.											
S. KENSINGTON (Museum Grounds)		*	*	0.1	*	*	*	*	*	*	*												
RICHMOND PARK		*	*	*	*	*	*	*	*	*	*												

* Information for these columns not usually received.

+ Received too late for insertion in Charts.



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

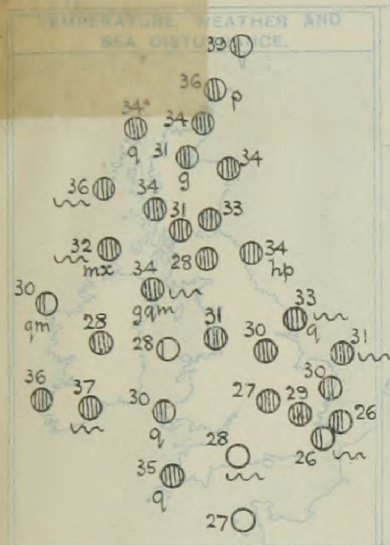
FORECAST DISTRICTS.		
	0	} Light breezes from varying directions; cloudy; continuing rather cold.
	1	
	2	} Light Easterly breezes; cloudy, continuing rather cold.
	3	
	4	} Fresh Easterly winds, moderating; continuing cold and dry.
	5	
	6	} Moderate or fresh South-Easterly or Easterly winds, decreasing; continuing cold and dry.
	7	
	8	} Same as Nos. 3 to 5.
	9	
	10	} Same as Nos. 3 to 5 and 9.
	11	
STORM WARNINGS. The Coasts upon which the Warning Signals are at present displayed are indicated thus:— Signals hoisted yesterday. Signals hoisted this morning. South Cone. South Cone. North Cone. North Cone.		
No Warnings Issued.		
Western Channel and Bay		

FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF MONDAY, 29TH JANUARY, 1917.

GENERAL INFERENCE.

The anticyclone, though less intense, will maintain its influence upon the weather of the British Isles. The gradient in the south will become less steep.



EXPLANATION.

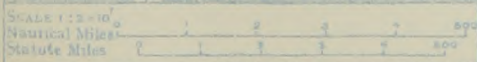
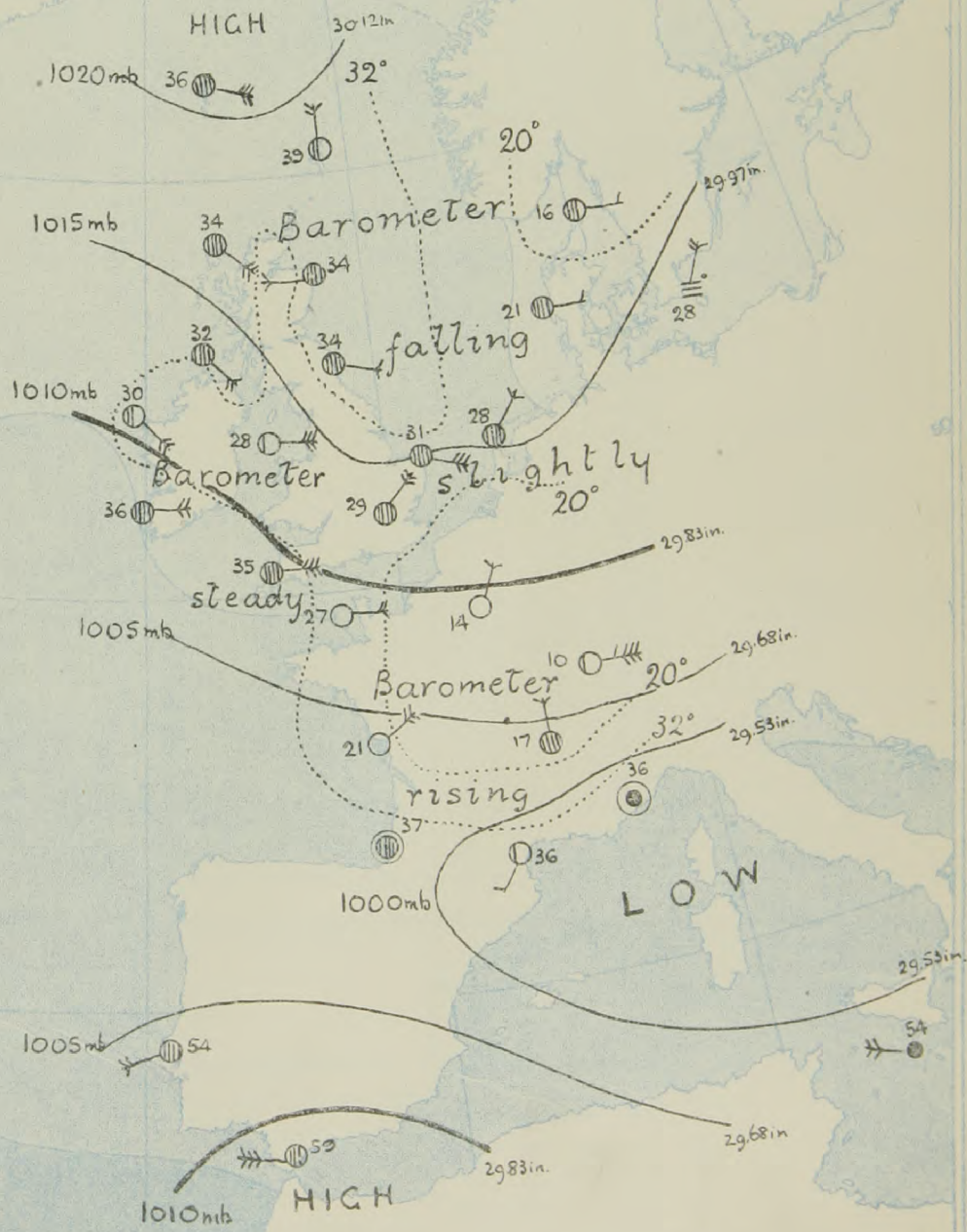
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

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

WEATHER.—Shown by the following symbols:—
 clear sky. sky 1/2 clouded. sky 3/4 clouded. overcast sky. rain falling. snow. hail. fog. mist. thunder. thunderstorm.

SEA DISTURBANCE.—Rough High .



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.					PAST 24 HOURS.					MORNING.					
	Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.
			Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dir.		Force 0-12.	Weather.
	° F.							° F.					° F.								
RUSSIA 7 a.m. and 9 p.m. Local time.	Archangel ...	1005.7	16	N	4	0	1004.7	0	10	N	2	0	1	9	Isafjord ...	1021.1	32	-7	-	0	b
	Gorki ...	1018.6	14	SW	1	0	1012.3	0	9	-	0	0	1	5	Reykjavik ...	1020.2	37	-4	SE	3	bc
	Veliki Luki ...	1014.3	14	WSW	3	0	1011.9	0	19	SW	3	0	1	14	Vestmanna	1016.8	39	-4	E	9	c
	Hangö ...	1017.5	27	-	0	0	1015.3	-2	25	-	0	0	1	16	Seydisfjord	1023.4	27	-16	-	0	b
	Riga ...	1017.7	19	WSW	1	0	1014.3	-2	25	+	0	0	1	19	Thorshavn	1023.3	38	-1	SE	3	0
	Petrograd ...	1011.5	23	NW	2	0	1010.4	-1	23	+5	E	2	S	18							
	Moscow ...	1010.4	12	W	1	0	1008.6	-2	9	+6	W	2	0	9							
	Kiev ...	1017.1	?	E	2	?	1015.8	-1	10	-6	ENE	2	0	0	3						
	Kharkov ...	1018.4	1	-	0	0	1017.5	0	5	-2	-	0	0	1	7						
	Kishinev ...	1012.4	23	-	0	b	1010.4	-3	23	-2	-	0	S	?	23						
	Elisabetgrad ...	1015.1	21	ESE	4	S	1014.3	-1	19	0	ESE	2	S	1	19						
	Nicolaiev ...	-	-	-	-	-	1013.6	*	25	+2	ENE	3	0	-	21						
Odessa ...	1013.2	27	SE	3	0	1011.8	-3	32	+4	SE	3	S	6	25							
Tarkhankout...	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Soukhoun	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
MEDITERRANEAN.	Venice ...	1007.4	30	SSW	2	C	1004.9	*	27	S	2	0	1	27	British Isles ...				b	18	
	Pesaro ...	1004.9	37	SSE	5	r	1002.2	*	32	SE	2	S	18	30	France ...				7	18	
	Rome ...	998.7	48	E	1	0	994.0	*	46	+3	NE	1	r	52	Norway ...				7	18	
	Viesti ...	1001.4	46	-	0	0	999.6	*	45	+1	-	0	0	50	Sweden ...				7	17	
	Brindisi ...	1002.8	55	NNE	3	C	998.7	*	55	+10	SE	4	C	57	Denmark ...				7	18	
	Cagliari ...	996.7	55	NE	3	0	991.9	*	54	+2	NW	2	0	59	Holland ...				7	18	
	Palermo ...	-	-	-	-	-	-	-	-	-	-	-	-	-	Italy ...				7	20	
	Tripoli ...	1000.0	61	WNW	6	0	996.2	*	61	+9	WNW	2	0	73	Egypt ...				6	18	
	Algiers ...	994.1	55	-	0	r	992.6	-1	50	-	SW	4	C	63	Corunna...				7	16	
		-	-	-	-	-	-	-	-	-	-	-	-	-	Madrid ...				8	16	
SWEDEN.	Hernösand ...	1023.0	9	-	0	b	1018.3	*	9	0	-	0	b	*	Lisbon ...				7	21	
	Stockholm ...	1021.5	18	WNW	2	b	1019.1	*	18	-5	NNW	2	b	*	Azores ...				8	17	
	Wisby ...	1021.0	30	NNW	4	0	1017.5	*	28	+1	N	2	0	*	Madeira ...				7	21	
		-	-	-	-	-	-	-	-	-	-	-	-	-	Malta ...				8	-	
														Limassol ...				6	-		

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	—
Limassol ...	6	—

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun-shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun-shine		
	Night. 12h-gh.	Day. gh-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 12h-gh.	Day. gh-12h.	Max.	Min.	Forenoon.	Afternoon.			
Scotland.	Oban	—	—	37	33	0	bc. 0	1.6	England, E.	Lowestoft	—	—	32	30	c. bcq	c. bcq	0.7
	Banff	Trace	—	35	32	0	0	0.0		Felixstowe	—	—	32	30	c. bcq	c. bcq	0.7
	Montrose	—	—	—	—	—	—	—		Walton-on-Naze	—	—	33	28	c. bc	bcv	2.7
	Carnoustie	*	*	—	—	—	—	—		Southend-on-Sea	—	—	33	28	c. bc	bcv	2.7
	St. Andrews	—	—	—	—	—	—	—		—	—	—	—	—	—	—	—
Eng. N.E.	Harrogate	Trace	—	31	29	0	0	0.0	England, S.E.	Margate	—	—	30	26	c. bc	bc	4.3
	Skegness	—	—	34	32	0	0	0.0		Ramsgate	—	—	31	26	b	b	7.5
Eng. N.W.	Morecambe	—	—	—	—	—	—	—		Hastings	—	—	32	28	b	b	6.8
	Southport	—	—	33	30	0	0	0.0		Eastbourne	—	—	32	26	c. b	b	7.0
Midlands.	Leamington Spa	—	—	—	—	—	—	—		Seaford	—	—	32	26	b	b	6.8
	Malvern	—	—	—	—	—	—	—		Brighton	—	—	32	26	b	b	7.0
	Ross-on-Wye	—	—	—	—	—	—	—		Worthing	—	—	31	26	b	b	6.8
Wales.	Rhyl	—	—	32	27	cx	cx	0.1	England, S.W.	Littlehampton	—	—	31	26	b	b	6.8
	Colwyn Bay	—	—	31	28	bc	bc	1.3		Bognor	—	—	33	26	b	b	6.8
	Llandudno	—	—	34	28	c	c	0.8		Bournemouth	—	—	33	26	b	b	6.8
	Aberystwyth	—	—	31	27	o. c. b	bc. c	7.0		Weymouth	—	—	37	30	bc	b	2.5
	Tenby	—	—	—	—	—	—	—		Torquay	—	—	—	—	—	—	—

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

29th Jan. 1917.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.42	12.6	4.30
Greenwich ...	7.46	12.13	4.41
Wick ...	8.28	12.25	4.22
Valencia ...	8.28	12.54	5.20

NOTES ON YESTERDAY'S WEATHER.

Dull, cold weather continued over the country as a whole. But in the south-east of England and also at Jersey and Aberystwyth there was much bright sunshine. Strong Easterly winds in the Channel moderated gradually.

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

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 30

Tuesday
30th January

STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS					Sun- shine for Yester- day Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
			Direc.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours. °F.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
Lerwick ...	1016.2	37	ESE	2	bc	1019.0	0	37	-2	SE	3	-	0	2	2	39	36	bc.c	bc	c.o	*
Deerness (Orkney) ...	1014.5	37	E	1	bcp	1017.6	*	36	0	E	3	-	0p	2	2	40	35	cp	ep.bc	c.o.p	1.7
Stornoway ...	1015.5	34	SW	2	bc.	1017.9	+2	34	0	-	0	-	0z	0	-	37	31	ob.cz	bc.c	ox	0.5
Castlebay (Barrisd.) ...	1016.2	35	E	2	o	1017.0	+1	35	-1	SE	4	-	0	4	-	36	34	o	o	o	0.0
Glasgow ...	1016.1	29	E	1	c	1017.0	0	28	-3	-	0	-	ogz	*	-	31	27	ou	o.c	c.ogz	0.0
Eskdalemuir ...	1016.3	25	-	0	bc	1016.1	-1	27	-1	N	1	-	0	*	-	31	24	o	o.c.bc	bc.c.os	0.8
Malin Head ...	1013.2	32	S	3	omx	1014.0	+1	31	-1	SE	3	-	ogx	3	-	33	30	omx	omx	ogx	0.0
Blacksod Point ...	1011.1	29	SE	4	bc	1012.2	+2	30	0	ESE	3	-	og	3	-	28	28	om	bc	dy.og	*
Valencia ...	1015.7	38	E	4	bc	1008.0	+3	35	-1	E	3	-	0	0	-	34	34	o.c	c	cg	1.2
BRITISH ISLANDS.																					
Scilly (St. Mary's) ...	1004.6	36	ESE	4	o	1007.4	*	36	-1	ESE	5	-	0	5	-	38	34	o	og	o	*
Falmouth ...	1012.1	30	SE	1	o	1011.5	*	29	+1	SE	1	-	0	*	-	32	28	o	o	o	0.0
Jersey (St. Aubin) ...	1013.6	34	SE	4	omg.ps	1013.5	0	33	-1	SE	4	-	omg	4	-	35	32	omg.ps	omg.ps	omg	*
Portland Bill ...	1015.3	29	E	3	bc	1015.0	0	27	-4	E	1	-	bm	2	-	32	26	om	o	e.b	0.0
Dungeness ...	1013.0	31	E	5	omg	1012.7	0	26	-2	E	2	-	bx	1	-	37	25	bc	c.om	omx.b	4.2
Pembroke (St. Ann's) ...	1011.5	29	E	3	c	1010.2	-1	29	-1	ENE	4	-	0	4	-	31	27	cg.bc	bc.c	cg.og	1.6
Wick ...	1014.6	33	WNW	1	c	?	+1	31	-3	W	2	-	0	3	1	35	28	o.cm.b	emg	cg.ps	*
Nairn ...	1015.7	32	W	1	cg	1017.2	*	30	-1	-	0	-	cg	1	0.2	34	28	cg	cg	ch.ps	0.0
Aberdeen ...	1015.6	34	WNW	1	o	1017.2	+1	32	-2	NW	2	-	0	2	1	37	31	o	osbm	os	0.0
Leith ...	1015.6	33	SSE	1	o	1015.8	0	32	-1	W	1	-	0	2	1	34	31	o	om.o	o.om.o	*
Tynemouth ...	1015.6	33	SE	1	f	1014.7	-1	32	-2	SE	1	-	om	3	1	34	32	oph	om	om	*
Spurn Head ...	1015.1	33	SE	3	o	1011.7	-1	32	-1	SSE	5	-	osq	5	0.3	34	31	og.ps	o	og.s	0.0
Yarmouth ...	1015.0	32	SE	4	o	1012.2	-1	32	+1	SE	4	-	0	4	-	32	28	oms	ops	bc.ops	0.0
Clacton-on-Sea ...	1013.9	32	ENE	4	bc	1010.7	-2	30	0	N	2	-	0	2	-	32	29	c.ops	o.c.bc	bc.cog	0.0
Nottingham ...	1015.0	27	E	2	b	1013.3	-2	29	-1	NNE	2	N	0	*	Trace	31	25	os.c	cs	c.o	0.1
Benson (Oxon.) ...	1013.2	29	ENE	3	o	1011.2	-2	29	-2	-	0	-	0	*	-	30	21	o	o	o.b.o	*
St. Farnborough ...	1012.6	29	E	3	o	1010.9	-2	24	-4	NNW	2	-	0	*	-	31	19	c.o.bc	bc.c.o	o.b.c.o	1.6
London (Kew Obs.) ...	1013.4	31	NE	3	om	1011.1	-2	28	-1	N	1	-	om	*	-	32	24	om.cm.om	om	om.bcm	0.8
NORTHERN EUROPE.																					
Spitsbergen ...	1016.3	3	-	0	o	1020.7	+2	3	-2	ENE	6	*	0	*	*	9	-2				
Vardö ...																					
Bodö ...	1011.7	36	SW	7	o	1001.5	-3	34	+2	WSW	4	-	c	2	?	36	30				
Christiansund ...	1020.0	34	-	0	o	1015.3	-3	34	+2	WNW	6	-	0	4	1	36	28				
Skudesnaes ...	1020.3	25	-	0	b	1019.3	-3	27	-1	E	1	-	c	1	-	30	18				
Færder (Kjellerfjord) ...	1021.5	23	NNE	1	o	1016.6	-2	25	0	W	1	-	0	0	-	25	21				
The Scaw (Skagen) ...	1020.7	23	NE	1	b	1018.9	-2	27	+11	NE	1	-	0	0	-	27	14				
Blaavands Huk ...	1018.0	23	E	2	o	1017.7	-1	25	+4	NE	1	-	0	3	-	25	18				
Copenhagen ...	1017.5	28	NE	4	o	1016.7	-1	27	+6	NE	1	-	0	*	-	28	2				
Bornholm ...	1015.4	28	ENE	7	o	1015.7	0	30	+2	E	3	-	m	1	1	32	27				
FRANCE, &c.																					
The Helder ...	1015.5	28	-	0	o	1012.8	-3	28	0	ENE	3	-	0	2	Trace	30	25				
C. Gris Nez ...	1011.7	41	ENE	4	b	1009.0	-3	25	+7	E	5	*	S	4	-	27	18				
La Hève ...	1012.2	23	NE	2	bc	1010.0	*	18	0	ENE	3	*	m	2	-	27	18				
Brest (St. Mathieu) ...																					
Roche fort (de d'Aix) ...	1005.6	28	E	5	b	1001.0	0	23	+2	E	5	*	0	*	-	32	21				
Biarritz ...	1003.7	40	N	2	o	997.0	0	43	+6	3	0	*	0	2	1	43	36				
PARIS																					
Belfort ...	1016.6	19	NE	3	b	1007.1	-3	14	0	NNE	2	-	b	*	-	27	14				
Lyons ...	1009.3	15	E	6	m	1007.4	*	16	0	E	3	*	m	*	-	19	9				
Nice ...	1007.7	16	WNW	2	b	1005.5	*	5	-12	NW	1	*	b	*	-	22	3				
Perpignan ...	996.8	37	-	0	o	999.0	+1	36	0	-	0	-	0	3	3	41	34				
Sanguinaire ...	1000.6	39	NW	4	bc	999.4	-2	32	-4	-	0	-	0	*	-	45	30				
SOUTHERN STATIONS.																					
Corunna ...		48	W	3	o	1004.6	+3	39	0	SW	1	-	0	*	3	48	39				
Madrid ...	1005.5	55	WSW	4	r	1009.1	+2	52	-2	WSW	5	-	0	*	3	57	50				
Lisbon ...	1006.3	55	WSW	4	r	1009.1	+2	52	-2	WSW	5	-	0	*	3	57	50				
Azores (Horta) ...		63	W	4	bc	1022.0	+2	55	-6	NW	2	NW	b	2	-	64	55				
Madeira ...	1015.8	60	W	8	r	1013.2	*	57	-2	NW	5	*	c	3	22	62	52				
Gibraltar ...	1011.8	60	W	8	r	1013.2	*	57	-2	NW	5	*	c	3	22	62	52				
Malta ...		*	*	*	*	1001.5	+3	54	0	W	14	-	0	3	12	55	52				
Limassol ...		*	*	*	*	1001.0	+1	54	-3	ENE	1	-	0	7	-	66	52				
Alexandria ...		*	*	*	*																
Cairo (Helwan) ...		*	*	*	*																
LONDON OBSERVATIONS.																					
GREENWICH (Royal Observatory)																					
CITY (Bunhill Row) ...																					
WESTMINSTER (St. James's Park)																					
CAMPDEN SQ. (British Rainfall)																					
HAMPSTEAD (Reservoir)																					
S. KENSINGTON (Museum Grounds)																					
RICHMOND PARK																					

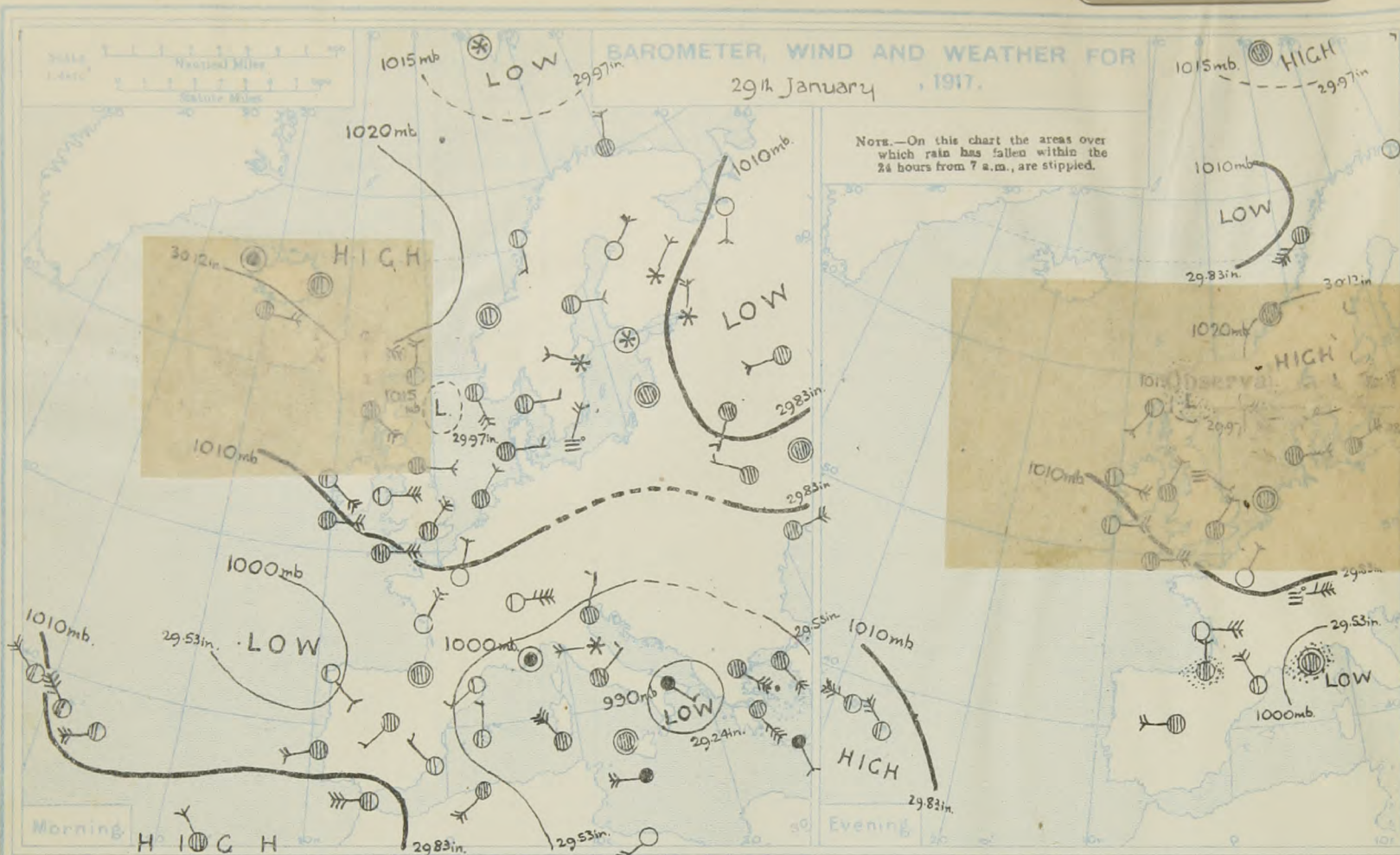
UPPER AIR.
South Farnborough.
Pilot Balloon Ascent at 11.44.
1,200 metres : ENE : 18 m/s
900 metres : ENE : 15 m/s
600 metres : EN : 7 m/s
300 metres : NE : 3 m/s

RAINFALL.

Equivalents of Millimetres in inches.

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

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



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay 11

Light variable winds; cloudy, local snow showers; cold.

Moderate or light Easterly winds; fair generally, but some snow showers; cold.

Moderate or fresh Easterly winds; fair generally, but local snow showers; cold.

Same as Nos. 0 and 1.

Light Easterly or South-Easterly winds; fair generally, local snow showers; cold.

Same as No. 5.

Moderate Easterly or South-Easterly winds; cloudy; cold.

Fresh or strong Easterly wind; moderate sea; cloudy.

FURTHER OUTLOOK.

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

NAPIER SHAW, Director.

SYNOPTIC CHART FOR THE MORNING OF TUESDAY, 30TH JANUARY, 1917.

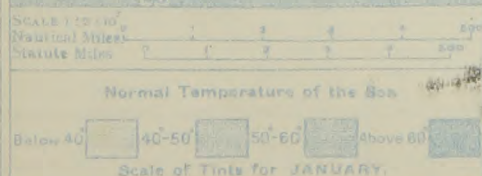
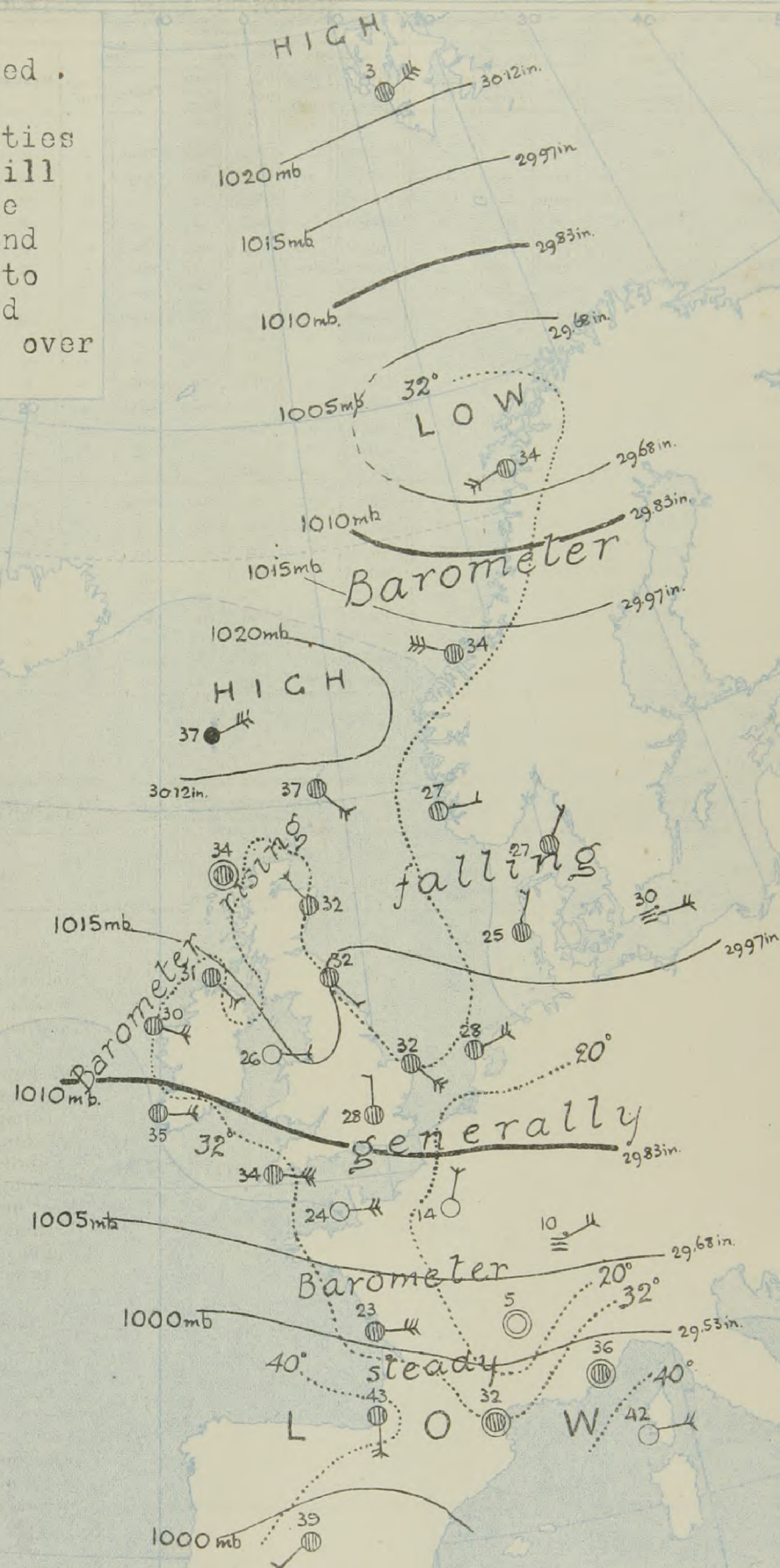
GENERAL INFERENCE.

The anticyclone centred near Faroe will maintain its position, but small irregularities of pressure over our Islands will cause local snow showers. The depressions shown near Spain and northern Norway appear likely to move eastward or south-eastward without influencing conditions over the British Isles.



EXPLANATION.

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



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.				PAST 24 HOURS.				MORNING.			
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	Weather.	Rain- fall. Milli- metres.	TEMP.		Barom. Milli- bars at M.S.L.	Temp. °F.
			Dir.	Force 0-12.			Dry Bulb.	Change in 24 hours.					Max.	Min.		
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1004.2	-2	N	2	0	1008.3	0	-17	-27	SSW	2	b.	-	1022.3	37
	Gorki ...	1011.4	19	-	0	0	1009.3	*	16	47	SW	1	o	-	1018.3	37
	Velieki Luki ...	1010.3	23	WSW	2	0	1008.8	*	19	0	N	3	o	-	1018.9	39
	Hangö ...	1010.7	25	-	0	0	1013.6	0	25	0	-	0	S	-	1023.7	28
	Riga ...	1013.7	27	-	0	0	1012.4	0	27	+2	-	0	o	-	1020.6	36
	Petrograd ...	1010.1	19	NW	3	0	1009.2	+1	12	-11	NNE	3	S	1	23	12
	Moscow ...	1007.4	12	WNW	2	3	1006.3	0	1	-3	W	2	o	1	*	10
	Kiev ...	1015.8	9	NNE	2	0	1014.4	0	9	-1	NNW	1	o	-	*	7
	Kharkov ...	1015.7	0	-	0	0	1014.6	0	-6	-11	-	0	o	-	*	-9
	Kishinev ...	1009.9	23	-	0	0	1008.2	0	21	-2	-	0	o	7	*	19
	Elisabetgrad ...	1012.8	19	ENE	3	0	1012.7	0	14	-5	NE	2	o	-	*	14
	Nicolaiev ...	1009.6	27	ENE	3	S	1009.0	0	23	-2	ENE	4	o	7	*	21
MEDITERRANEAN.	Odessa ...	1008.7	27	ESE	4	2	1008.6	0	25	7	E	4	o	18	*	23
	Tarkhankout ...	1004.7	37	SE	7	r	1006.9	*	32	-	E	3	o	5	*	28
	Soukhoum ...	1011.9	43	E	1	0	1011.5	0	43	-	-	0	r	1	*	41
	Venice ...	1003.3	?	E	2	c	998.7	*	37	+10	NNE	1	o	-	?	?
	Pesaro ...	1001.2	28	W	4	S	997.9	*	27	-5	W	3	S	-	34	25
	Rome ...	993.2	43	N	1	bc	992.4	*	39	-7	NE	1	o	4	50	37
	Viesti ...	997.6	46	SSW	2	o	992.1	*	45	0	NW	6	r	1	50	45
	Brindisi ...	993.6	52	SE	1	o	988.8	*	52	-3	SE	1	r	30	55	52
SWEDEN.	Cagliari ...	991.3	57	W	4	r	994.0	*	50	-4	NW	6	o	4	61	45
	Palermo ...	990.8	54	WSW	1	o	991.3	*	57	-	-	0	o	1	64	50
	Tripoli ...	-	-	-	-	-	996.7	*	55	-6	WSW	6	b.	Trace	70	55
	Algiers ...	1000.7	46	WSW	6	b	1003.0	+1	50	0	SW	4	o	28	55	45
Hernösand ...	Hernösand ...	107.3	9	-	0	b	-	-	-	-	-	-	-	-	-	-
	Stockholm ...	107.3	12	WNW	2	b	-	-	-	-	-	-	-	-	-	-
	Wisby ...	1015.9	30	N	4	o	-	-	-	-	-	-	-	-	-	-

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles ...	7	18
France ...	7	18
Norway ...	7	18
Sweden ...	7	17
Denmark ...	7	18
Holland ...	7	18
Italy ...	7	20
Egypt ...	6	18
Corunna ...	7	16
Madrid ...	8	16
Lisbon ...	7	21
Azores ...	8	17
Madeira ...	7	21
Malta ...	8	-
Limassol ...	6	-

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night.	Day.	Max.	Min.	Forenoon.	Afternoon.			Night.	Day.	Max.	Min.	Forenoon.	Afternoon.			
	12h-1h.	1h-12h.							12h-1h.	1h-12h.							
Scotland.	Oban	-	34	?	0	0	0.0	England, E.	Lowestoft	-	Trace	32	30	ops	0	0.0	
	Banff	-	36	32	c	c.o	0.1		Felixstowe	-	-	32	29	ogs	og	0.0	
	Montrose	-	-	-	-	-	-		Walton-on-Naze	-	-	32	28	bc, bc.	bc, bc.	0.0	
	Carnoustie	*	*	-	-	-	-		Southend-on-Sea	-	-	33	28	o.c	o.c	0.6	
	St. Andrews	-	-	34	31	0	c		0.0								
Eng. N.E.	Harrogate	-	Trace	30	28	os	0	0.0	England, S.E.	Margate	-	-	31	26	c, bc, c	c	1.2
	Skagness	-	1	32	29	os	c	0.2		Ramsgate	-	-	30	25	c	c	1.1
Eng. N.W.	Morecambe	-	-	33	32	-	-	0.0		Hastings	-	-	-	-	-	-	-
	Southport	-	-	32	30	0	o.c, bc	0.0		Eastbourne	-	-	32	27	bc, b	c, b, bc	3.3
Midlands.	Leamington Spa	-	-	-	-	-	-	0.0		Seaford	*	*	32	24	bc	c	3.2
	Malvern	-	-	-	-	-	-	0.0		Brighton	-	-	-	-	-	-	-
	Ross-on-Wye	-	-	30	24	c, bc, x	cx	0.0		Worthing	-	-	32	25	bc	bc	4.0
Wales.	Rhyl	-	31	29	ry	xc	0.0	England, S.W.		Littlehampton	-	-	32	26	bc, o	bc.	2.8
	Colwyn Bay	*	31	29	bc	c	0.0			Bognor	*	*	32	24	bc	bc	2.9
	Llandudno	*	32	28	c	c	0.0		Bournemouth	-	-	30	20	bc	bc	2.8	
	Aberystwyth	*	32	26	o.c	c, o.c	6.5		Weymouth	*	*	31	25	c, bc	bc, g	0.0	
	Tenby	*	*	-	-	-	-		0.0	Torquay	-	-	-	-	-	-	-
									Paignton	*	*	-	-	-	-	-	
									Penzance	-	-	39	35	o.c	c, o	0.0	
									Newquay	-	-	33	28	bc	c	0.6	
									Bude	-	-	35	24	b	b	2.4	
								Ilfracombe	-	-	32	25	b	b	5.2		
								Weston-s-Mare	-	-	32	21	c, bc	b, bc	1.0		

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

30 th & 31 st January, 1917.	Sunrise, Noon, Sunset.		
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.40 7.40	12.6 12.7	4.42 4.34
Greenwich ...	7.44 7.42	12.13 12.14	4.42 4.45
Wick ...	8.26 8.24	12.25 12.26	4.25 4.28
Valencia ...	8.27 8.26	12.54 12.55	5.22 5.24

NOTES ON YESTERDAY'S WEATHER.

Weather remained cold, with maximum temperatures below the freezing point at many stations. Fair sunshine measurements were reported from several stations in the south, but elsewhere the day was dull. There was little precipitation.

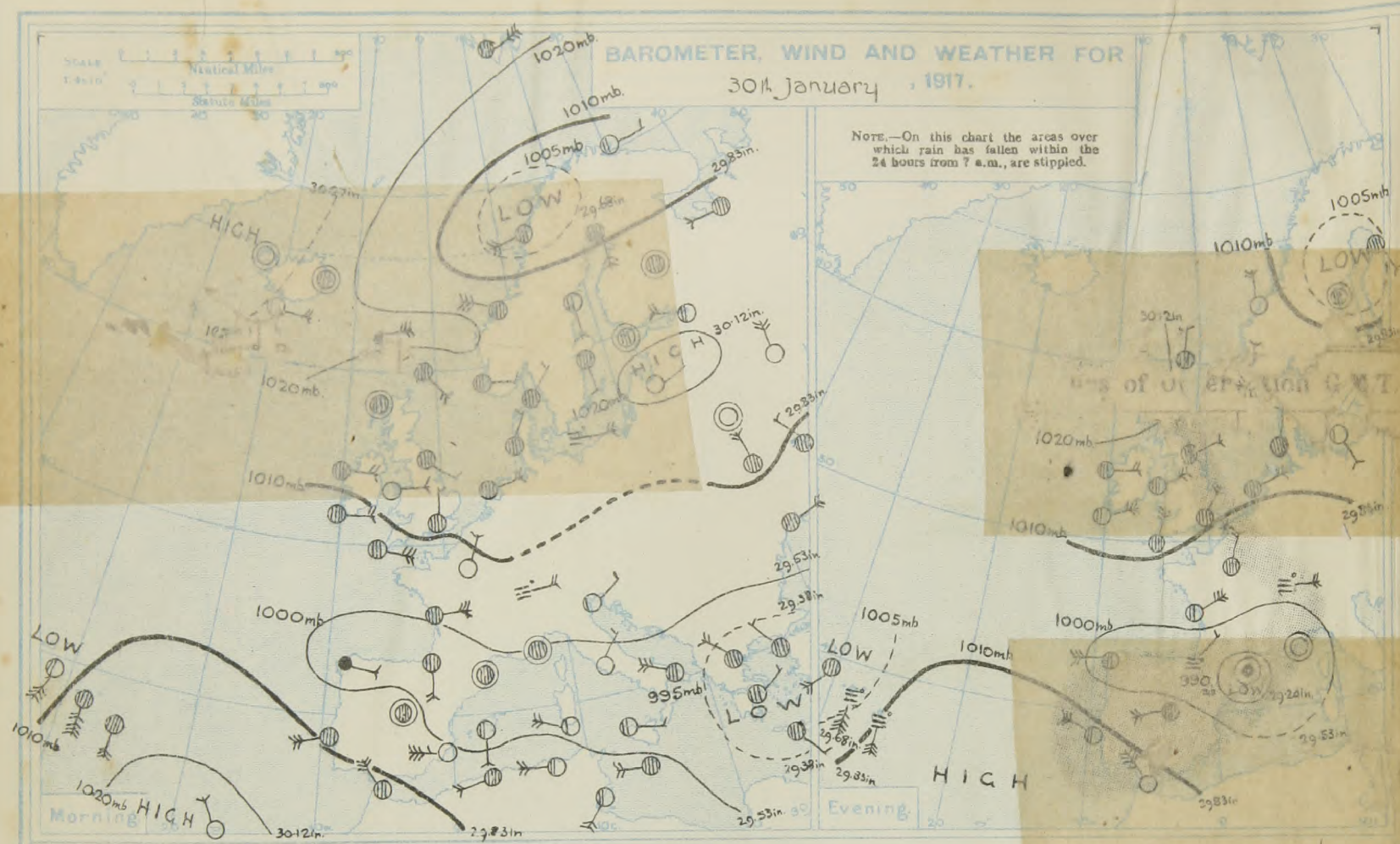
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 31

Wednesday
31st January

STATIONS.	YESTERDAY EVENING						THIS MORNING.										PAST 24 HOURS						Sun- shine for Yester- day.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometre 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.				
																						Hour.	
Lerwick	1019.5	37	N	3	c	1019.2	0	39	+2	NE	4	-	bcg	3	1	39	36	o	o.c.	bcpg	*		
Deerness (Orkney)	1020.3	35	N	1	o	1018.9	*	38	+2	N	4	-	bc	2	2	39	34	opb	c.o	op.cbc	0.9		
Stornoway	1021.0	36	N	3	o	1021.3	0	34	0	N	3	-	bc	3	2	37	32	oz	o	bcpr	0.0		
Castletown (Barra Is.)	1021.5	38	N	2	o	1022.1	0	37	+2	N	2	N	bc	2	1	39	35	o	o	o.c.bc	0.0		
Glasgow	1019.1	34	NE	2	o	1019.3	0	33	+5	NW	1	-	o	*	0.2	35	27	ohsp	ohp	ohp	0.0		
Esksdalemuir	1018.2	31	NE	3	om	1018.2	0	32	+5	N	3	-	o	*	-	38	26	o	om	o	0.4		
Malin Head	1018.4	35	ENE	3	cm	1020.9	0	33	+7	NE	1	-	ov	1	-	38	31	bc	bc	bc	3.3		
Black Point	1018.1	31	E	3	cg	1021.2	0	32	+2	NE	1	-	bc	2	-	38	27	bc	bc	bc	*		
Black Point	1018.1	31	E	3	bc	1020.7	0	31	+4	ENE	2	E	b	3	-	35	28	oz	o.c	bc.b	0.0		
Black Point	1018.1	31	NE	3	o	1019.6	*	33	-3	NNW	2	-	o	3	0.3	36	31	osp.ag	osp.o	o	*		
Black Point	1018.1	31	NE	3	o	1020.4	*	27	-2	N	1	-	o	*	-	31	23	o	o	o	0.0		
Black Point	1018.1	31	NE	4	ogm	1018.5	0	38	+5	ENE	3	-	ogm	3	-	38	32	bcx	bcx	ogm	*		
Liverpool (Bidston)	1016.1	31	ENE	2	bc	1017.8	0	30	+3	N	1	N	b	1	-	33	27	om	o.c	os	0.2		
Holyhead	1015.5	36	ENE	5	cmg	1018.1	0	35	+9	ENE	4	-	cg	3	-	36	23	b.bc.c	c.o.bc.c	o.c	3.7		
Pembroke (St. Ann's)	1014.4	33	NE	3	o	1018.4	+1	34	+5	NNE	3	E	c	3	-	34	28	o.c.bc	bc.c.o	o.c.bc	2.5		
Silly (St. Mary's)	1012.3	33	NNE	5	og	1017.0	+2	31	-3	NNE	2	-	o	*	-	35	26	cg.og	c.og	og.c.og	0.1		
Falmouth	1007.9	31	NE	3	o	1012.7	*	35	+11	N	4	-	o	3	Trace	35	24	bc	o	osp.o	4.0		
Jersey (St. Aubin)	1010.2	33	NE	5	o	1014.7	+2	32	+2	N	4	NE	o	4	-	34	31	o.c	o.c	o.c.bc	*		
Portland Bill	1008.2	30	ENE	5	e	1009.2	0	29	+1	NNE	5	-	s	4	-	31	29	b.os	o.cq	ogs	*		
Dungeness	1009.8	29	NNE	5	o	1011.4	+1	29	0	NNE	6	N	o	6	2	32	26	ops.c	c.o	ops	0.7		
Dover	1019.8	34	NW	2	m	1018.3	-1	35	+4	NNE	3	-	bc	3	4	37	30	cmph.o	omphs	o.bcps	*		
Wick	1020.2	31	-	0	cg	1019.4	*	33	+3	-	0	-	ov	1	2	33	29	cspg	spc	opcg	0.0		
Nairn	1019.5	34	NNW	2	o	1017.6	-1	32	0	NW	3	-	c	2	2	37	28	osp	osp	os.c	0.0		
Aberdeen	1017.8	35	E	1	o	1017.8	0	36	+4	NNW	2	N	c	3	1	38	31	os.c.o	o.c.oo	os.oo.c	*		
Leith	1016.6	32	ENE	2	o	1016.6	-1	31	-1	NW	2	NE	bcm	3	1	35	31	aph	o	oms	*		
Tynemouth	1013.3	32	ENE	5	ops	1013.3	0	32	0	N	4	-	ogps	5	0.4	34	29	ops	ops	ogps	0.0		
Yarmouth	1012.4	32	ESE	4	oms	1011.5	0	31	-1	E	4	-	oms	?	-	33	30	bcps	omps	ogps	0.0		
Clacton-on-Sea	1011.3	31	NE	5	c	1012.0	+1	29	-1	N	3	N	s	3	2	32	28	ogps.c	c.o.c	c.os	0.6		
Nottingham	1015.0	31	NE	2	o	1015.0	*	31	+2	NNW	3	N	o	*	1	33	28	os	sc.o	os	0.2		
Benson (Oxon.)	1012.5	30	NNE	3	b	1013.7	+2	30	+5	NNW	4	-	o	*	0.2	32	24	os.o	bc	b.os.o	*		
Sth Farnborough	1011.1	30	NNE	4	o	1013.0	+1	30	+6	N	3	-	o	*	0.4	32	24	os	gso	os.o	0.1		
London (Kew Obs.)	1011.9	31	NE	4	om	1013.4	+2	31	+3	N	4	-	o	*	Trace	33	27	oms.om	om	om.o	0.0		
UPPER AIR.																							
South Farnborough.																							
Pilot Balloon Ascent at																							



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay 11

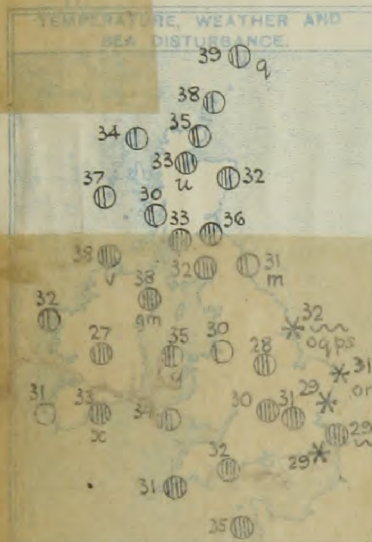
- 0 } cold. Light Northerly winds; fair generally;
- 1 } cold.
- 2 } Moderate or fresh Northerly winds, decreasing; cloudy, snow showers; somewhat milder, but still cold.
- 3 } Same as Nos. 0 to 2.
- 4 } Same as No. 3.
- 5 } Same as Nos. 0 to 2.
- 6 } Light Northerly winds; fair generally; somewhat milder, but still cold.
- 7 } Light Northerly winds; fair generally;
- 8 } cold.
- 9 } Light Northerly winds; sea moderate; fair generally; cold.
- 10 } Light Northerly winds; sea moderate; fair generally; cold.
- 11 } Light Northerly winds; sea moderate; fair generally; cold.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF WEDNESDAY, 31ST JANUARY, 1917.

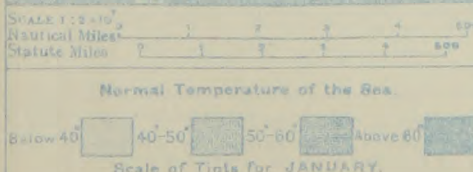
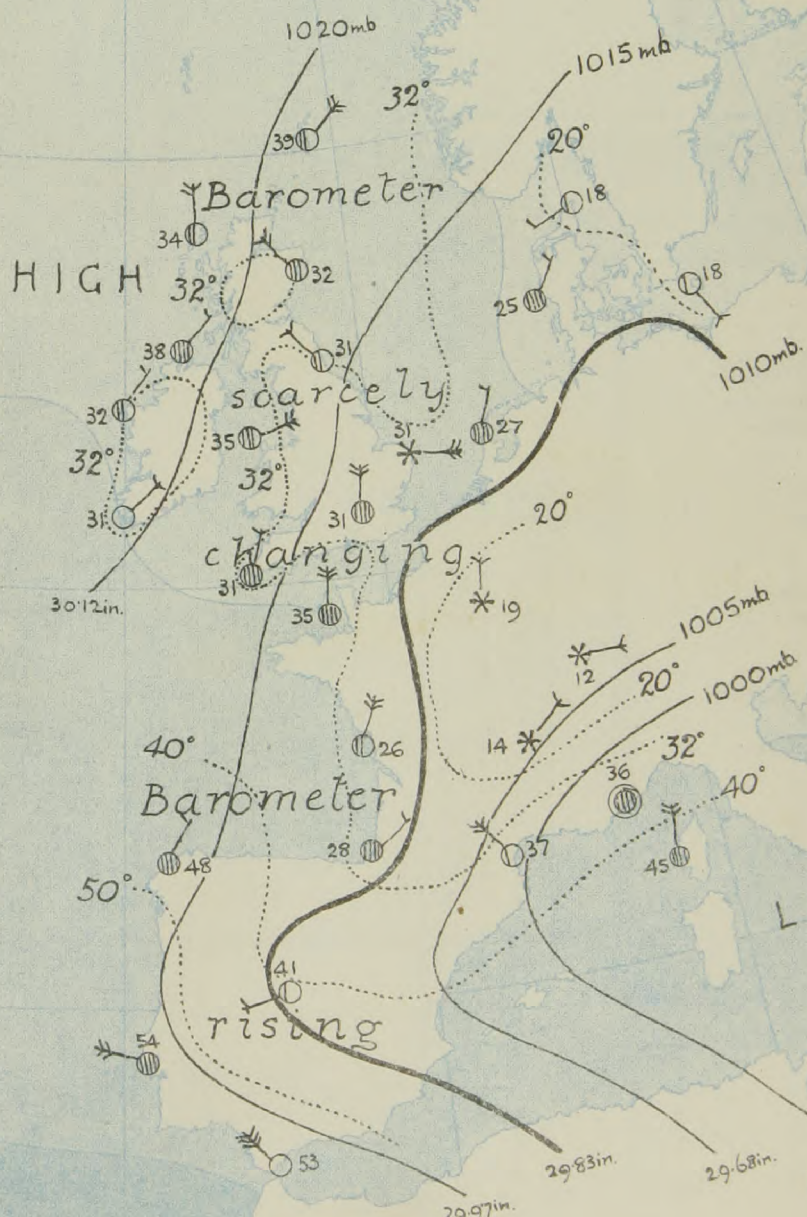
GENERAL INFERENCE.

The anticyclone in the west is spreading eastward, and some decrease of wind is probable over England and Scotland, with lessening tendency for snow in the south-east.



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 ~~~~~



REPORTS FOR YESTERDAY.

	STATIONS.	PREVIOUS EVENING.					MORNING.					PAST 24 HOURS.			MORNING									
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dir.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.		
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1011.5	-15	NW	2	0	1011.8	-1	-13	+14	W	2	0	-	° F	° F	Isafjord ...	1028.6	23	-14	-	0	b	
	Gorki ...	1006.1	16	N	3	0	1013.6	*	-8	-24	-	0	b	-	*	-31	Reykjavik	1025.3	30	-7	-	0	b	
	Velieki Luki ...	1013.5	9	W	2	c	1019.8	*	-15	-34	W	2	b	-	*	-15	Vestmanna	1024.6	37	-2	E	3	b	
	Hangö ...	1019.5	12	-	0	0	1019.3	0	7	-18	-	0	c	-	*	5	Seydisfjord	1021.2	25	0	-	0	c	
	Riga ...	1016.4	16	NE	3	0	1020.4	+1	1	-26	ENE	1	b	-	*	1	Thorshavn	1020.2	37	+7	ENE	5	r	
	Petrograd ...	1016.7	1	E	4	bc	1019.5	+1	-11	-23	WNW	3	bc	-	14	-11								
	Moscow ...	1007.3	1	N	3	b	1013.9	+3	-15	-16	N	4	b	-	*	-15								
	Kiev ...	1010.7	9	W	2	0	1010.4	+2	16	+7	NNW	3	0	-	*	7								
	Kharkov ...	1010.6	-14	-	0	b	1007.9	-1	0	+6	NW	1	0	-	*	-8								
	Kishinev ...	1004.8	18	N	4	3	1008.2	+3	14	-7	NNW	1	0	12	*	14								
MEDITERRANEAN.	Elisabetgrad ...	1008.8	10	ENE	2	0	1008.0	0	5	-9	N	3	0	3	*	5								
	Nicolaiev ...	1004.4	25	ENE	4	5	1006.1	*	16	-7	NNE	3	5	6	*	14								
	Odessa ...	1004.0	27	E	5	5	1005.9	+3	18	-7	ENE	4	0	14	*	18								
	Tarkhankout ...						*								*									
	Soukhoum ...														*									
	Venice ...	1001.0	27	-	0	b	1003.0	*	23	-14	-	0	b	-	37	21								
	Pesaro ...	1000.2	28	W	4	0	1002.2	*	27	0	W	3	c	-	30	25								
	Rome ...	996.7	39	N	1	b	997.9	*	36	-3	NE	1	b	Trace	46	36								
	Viesti ...	995.0	43	NW	6	0	998.7	*	44	-1	NW	2	0	3	45	31								
	Brindisi ...	993.4	50	NW	6	r	996.4	*	46	-6	NW	5	c	10	54	46								
SWEDEN.	Cagliari ...	998.0	57	NW	4	0	999.4	*	50	0	NW	4	b	3	63	43								
	Palermo ...	997.5	54	S	3	0	999.0	*	50	-7	SE	1	bc	9	59	46								
	Tripoli ...						1004.2	*	59	+4	WSW	2	b	-	63	55								
	Algiers ...	1006.7	57	SW	3	0	1003.5	+1	55	+5	WSW	3	0	-	59	50								
	Hernösand ...						1009.3	*	21		S	2	bc	*	*	*								
	Stockholm ...						1017.3	*	21		S	2	0	*	*	*								
	Wisby ...						1017.5	*	28		N	2	bc	*	*	*								

Hours of Observation G.M.T.

	Morning.	Evening.
British Isles	7	18
France	7	18
Norway	7	18
Sweden	7	17
Denmark	7	18
Holland	7	18
Italy	7	20
Egypt	6	18
Corunna	7	16
Madrid	8	16
Lisbon	7	21
Azores	8	17
Madeira	7	21
Malta	8	
Limassol	6	

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 18h.

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night. 18h-9h.	Day. 9h-18h.	Max.	Min.	Forenoon.	Afternoon.			Night. 18h-9h.	Day. 9h-18h.	Max.	Min.	Forenoon.	Afternoon.			
Scotland.	Oban	-	-	36	26	0	0	0.0	England, E.	Lowestoft	-	Trace	33	28	obs. c	c. 0	0.2
	Banff	-	-	36	30	bc. c	s. c. 0	0.0		Felixstowe	-	-	33	28	05. bcq	bc. 0.9	0.5
	Montrose	-	-							Walton-on-Naze	Trace	Trace	32	28	bc. bc.	bc.	0.6
	Carnoustie	*	*							Southend-on-Sea	-	-	32	28	0	0	0.2
	St. Andrews																
Eng. N.E.	Harrogate	Trace	Trace	33	25	05	05	0.0	England, S.E.	Margate	-	-	33	27	0	0	0.2
	Skegness	Trace	Trace	33	27	0	05	0.0		Ramsgate	-	-	31	27	c. 05q	0	0.3
Eng. N.W.	Morecambe	-	-	33	27	-	-	2.7		Hastings	Trace	1	32	25	05 c	05 0	0.4
	Southport	-	-	34	23	0. c. bc	c. 05. bc	0.5		Eastbourne	-	-	32	25	05. bc	bc. 05	0.4
Midlands.	Leamington Spa									Seaford	*	*	33	21	c	bc	0.4
	Malvern									Brighton	-	-					
	Ross-on-Wye									Worthing	-	-	33	24	c	c	0.3
Wales.	Rhyl	-	-	34	23	* c	cx	0.5		Littlehampton	-	-	33	27	0 bc	0	0.4
	Colwyn Bay	*	*	34	23	bc	c. bc	1.3	Bognor	*	*	34	23	bc	bc. 0	0.6	
	Llandudno	*	*	35	25	bc	bc	2.0	Bournemouth	-	-	33	24	bc. 0	0	0.6	
	Aberystwyth	*	*	33	26	0. c. b	c. 0	3.0									
	Tenby								Weymouth	*	*						
									Torquay	*	*	37	31	0. c. bc	bc. c. 0	1.5	
									Paignton	*	*	36	30	0. bc	bc. c.	1.5	
									Penzance	*	*	37	33	0. c	c	0.0	
									Newquay	*	*	35	25	c	bc	3.1	
									Bude	*	*	35	23	bc	bc	4.2	
									Ilfracombe	*	*	36	26	0	0	0.0	
									Weston-s-Mare	*	*	32	24	bc. c	c. 0	0.6	

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

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