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M.O. FORM 2610.

METEOROLOGICAL OFFICE.

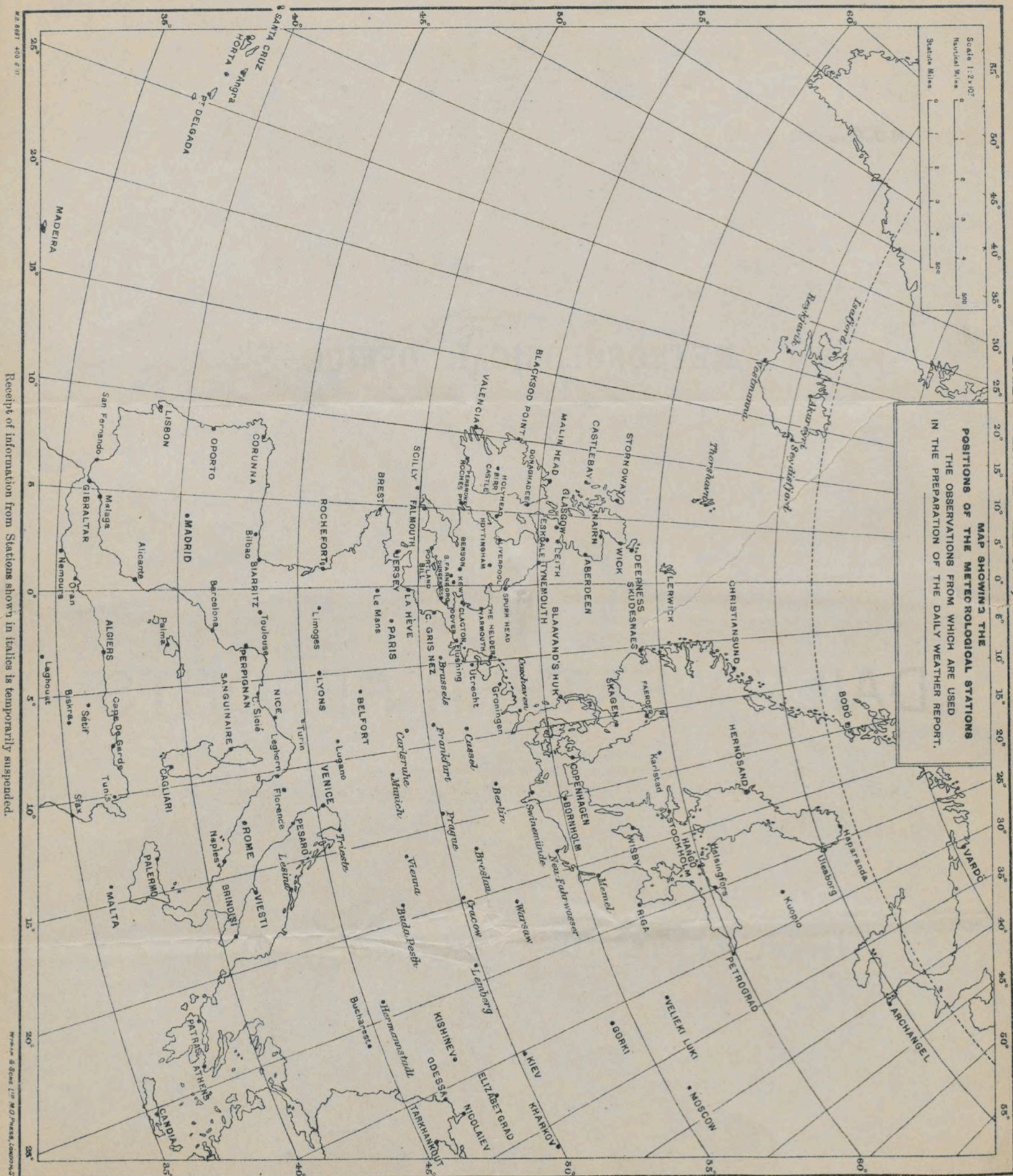
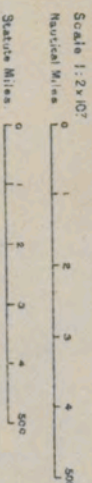
LONDON

DAILY WEATHER REPORTS

1ST JULY TO 31ST DECEMBER, 1916.

DAILY WEATHER REPORT, JULY-DECEMBER, 1916.

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.

FOURTH QUARTER, OCTOBER TO DECEMBER.

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

OCTOBER.

NOVEMBER.

DECEMBER.

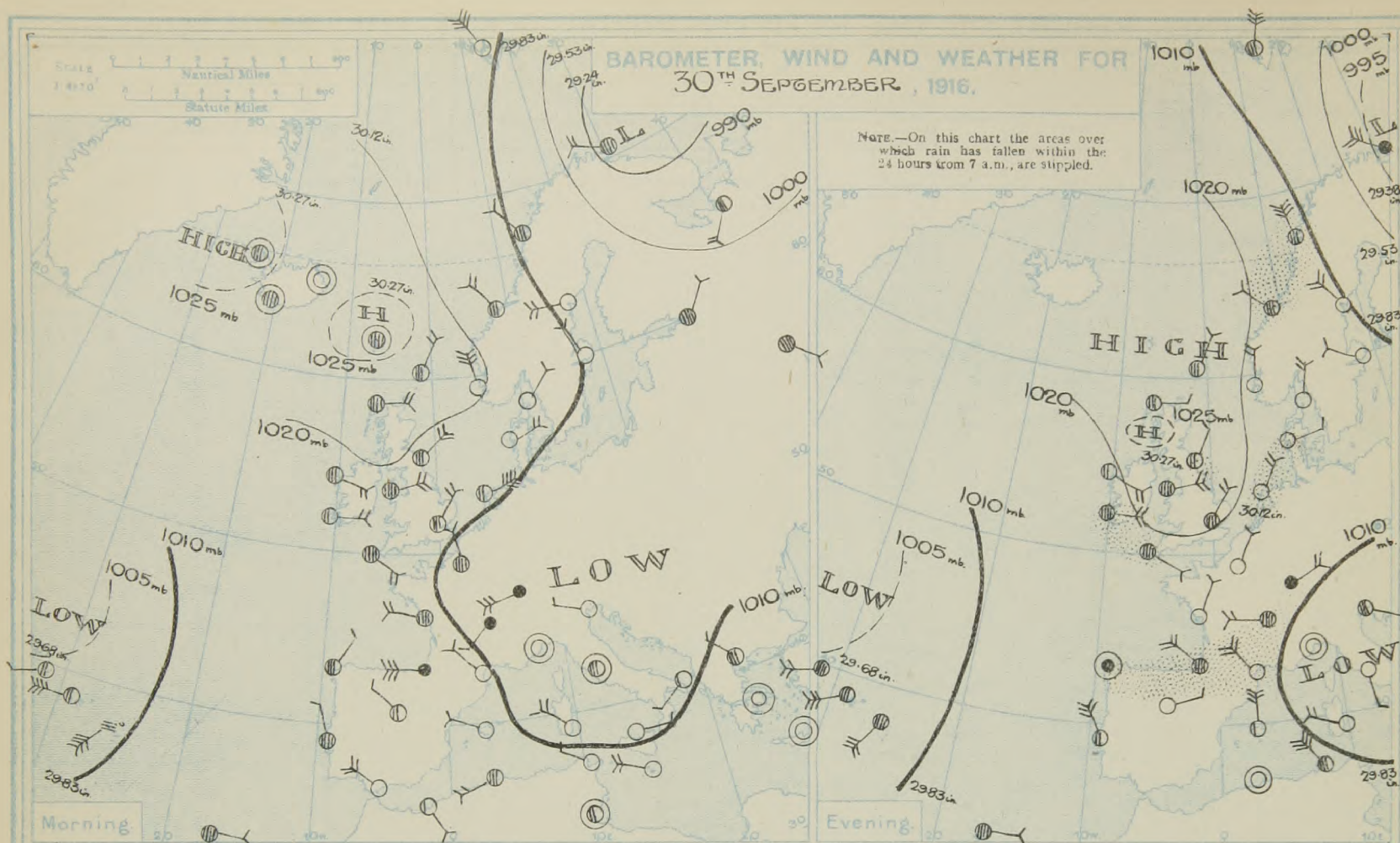
STATIONS.	PRESSURE	AIR TEMPERATURE.								RAINFALL		BRIGHT	
	1906-1915.	Means of				Absolute Extremes.				1881-1915.		SUNSHINE.	
	7 a.m. Observations (reduced to M.S. Level).	1906-1915.		1881-1915.		1881-1915.				Days with Rain.	Total Fall.	Daily Mean.	Per Centage of Possible Duration.
		Dry Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Maximum.		Minimum.						
					Temp.	Year.	Temp.	Year.					
mb.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	mm.	in.	hr.	%	
Lerwick	1011.2	47.3	50.1	42.3	63	1908	28	1887	24	100	3.95	—	—
Stornoway	1010.0	47.1	52.2	41.2	70	1898	27	1892	23	132	5.18	2.77	28
Castlebay (Barra Isd.)	[1011.6]	[50.5]	[53.6]	[47.7]	[63]	[1908]	[34]	[1909, 1913]	[20]	[86]	[3.39]	[2.55]	[25]
Esksdalemuir	[1014.4]	[42.4]	[51.5]	[38.5]	[65]	[1911]	[19]	[1911]	[15]	[100]	[3.93]	[2.39]	[23]
Malin Head	1009.3	49.3	[53.2]	[45.6]	[73]	[1908]	[32]	[1892]	[20]	[75]	[2.95]	—	—
Blackod Point	1009.4	51.0	[54.7]	[46.0]	[71]	[1908]	[29]	[1905]	[23]	[127]	[4.99]	—	—
Valencia	1010.2	51.2	56.4	46.6	71	1908	28	1892	22	142	5.57	3.26	31
Roche's Point	1011.2	51.0	56.2	46.4	65	1884, 86, 1914, 15	32	1881	19	104	4.09	—	—
Birr Castle	1010.7	46.8	55.0	40.7	74	1908	22	1905	18	74	2.91	3.16	30
Donaghadee	1011.3	49.2	54.3	44.3	66	1898	21	1892	18	73	2.88	—	—
Liverpool (Observatory)	1012.5	47.9	54.1	44.8	73	1908	27	1895	18	83	3.27	[2.81]	[27]
Holyhead	1011.5	51.3	55.1	46.9	75	1908	32	1892	19	101	3.99	[2.87]	[28]
Pembroke (St. Ann's Hd.)	1011.4	51.6	55.6	48.1	67	1908	33	1895	19	105	4.19	3.29	31
Scilly (St. Mary's)	1011.3	53.2	57.5	50.1	69	1895	38	1895, 1896	21	93	3.66	3.81	36
Falmouth	1012.5	51.0	56.3	47.7	67	1895	33	1895	21	126	4.06	3.74	35
Jersey (St. Aubin's)	1013.3	53.4	59.0	49.1	76	1908	33	1887	20	116	4.55	4.06	38
Portland Bill	1012.2	53.8	56.9	48.8	[67]	[1908]	[35]	[1905, 1908]	17	94	3.68	—	—
Dungeness	1013.2	52.1	57.4	46.0	70	1886, 1908	23	1890	17	89	3.52	—	—
Dover	[1015.5]	[50.7]	[57.5]	[46.6]	[74]	[1908]	[30]	[1909]	[18]	[106]	[4.18]	[3.81]	[36]
Wick	1011.0	47.0	52.2	41.0	73	1898	22	1885	21	75	2.06	—	—
Nairn	1010.9	44.2	53.1	39.0	76	1908	19	1896	19	60	2.35	[3.29]	[33]
Aberdeen	1012.2	46.6	52.8	41.7	74	1883	25	1880	20	76	3.00	3.06	30
Leith	1011.9	47.7	54.8	42.1	75	1908	25	1894	17	61	2.41	—	—
Tynemouth	1012.6	47.9	54.1	42.4	77	1908	27	1890, 92, 95, 1909	17	76	3.01	—	—
Spurn Head	1012.8	50.7	54.6	45.9	70	1900	33	1887, 1895	17	61	2.40	[2.68]	[26]
Yarmouth	1013.6	50.6	55.2	45.3	74	1900, 1908	27	1895	18	74	2.93	[3.35]	[32]
Clacton-on-Sea	1013.7	51.0	55.7	45.7	[71]	[1908]	[29]	[1905]	14	49	1.91	3.61	35
Nottingham	1013.3	46.6	55.3	41.7	78	1908	20	1890	19	63	2.49	2.68	26
LONDON (Kew Obsy.)	1013.9	48.5	56.2	43.5	77	1886	25	1881, 1895	17	69	2.70	2.97	28
Lerwick	1005.3	42.3	46.2	38.9	58	1901	24	1912	25	108	4.25	—	—
Stornoway	1007.2	41.1	47.6	38.0	58	1897, 1901, 02	21	1912	24	148	5.83	1.43	19
Castlebay (Barra Isd.)	[1007.8]	[45.4]	[48.5]	[41.6]	[56]	[1914]	[28]	[1912]	[24]	[101]	[1.96]	[1.57]	[20]
Esksdalemuir	[1009.4]	[37.6]	[41.2]	[32.1]	[54]	[1914]	[16]	[1912]	[20]	[154]	[6.05]	[2.03]	[25]
Malin Head	1008.4	44.6	[48.6]	[41.7]	59	[1894, 99, 1906]	[30]	[1909, 1912]	[21]	[83]	[3.28]	—	—
Blackod Point	1010.3	46.1	[50.2]	42.0	60	[1897, 1899]	[26]	[1890]	[24]	[132]	[5.21]	—	—
Valencia	1012.4	46.3	52.0	42.9	63	1881	27	1890, 96, 1901	23	139	5.46	2.17	25
Roche's Point	1013.0	45.5	51.4	42.5	61	1908, 1909	27	1890	19	107	4.20	—	—
Birr Castle	1011.8	40.6	49.3	36.8	64	1912	17	1909	19	75	3.10	2.13	25
Donaghadee	1010.4	43.7	49.4	40.1	60	1894, 1909	27	1883	19	77	3.04	—	—
Liverpool (Observatory)	1011.6	42.5	48.5	40.2	61	1894, 95, 99	25	1901, 05, 15	18	64	2.50	[2.27]	[27]
Holyhead	1011.3	46.3	50.2	42.9	62	1881	29	1915	19	105	4.14	[2.50]	[30]
Pembroke (St. Ann's Hd.)	1012.2	46.7	51.1	43.9	60	1911	28	1890	20	97	3.80	2.17	25
Scilly (St. Mary's)	1013.2	48.7	53.2	46.3	61	1898	29	1890	20	83	3.27	2.50	28
Falmouth	1013.9	45.1	51.6	43.9	60	1895, 1897	21	1890	20	122	4.80	2.53	29
Jersey (St. Aubin's)	1014.2	47.9	53.0	44.3	66	1899	16	1890	21	104	4.08	2.53	28
Portland Bill	1012.7	47.7	51.7	44.3	[61]	[1900]	[29]	[1912]	14	66	2.58	—	—
Dungeness	1012.2	44.4	50.7	40.7	63	1899	17	1890	16	70	2.75	—	—
Dover	[1012.9]	[42.7]	[48.9]	[38.6]	[60]	[1914]	[25]	[1911]	[16]	[78]	[3.07]	[2.90]	[33]
Wick	1006.6	41.5	46.9	37.0	62	1900	12	1909	20	80	3.14	—	—
Nairn	1007.5	39.8	46.9	35.4	62	1906	12	1904	19	60	2.36	[1.70]	[22]
Aberdeen	1008.3	40.7	46.8	37.4	62	1889	14	1909	19	75	2.95	1.83	23
Leith	1009.0	42.0	48.5	38.0	63	1885	18	1885	15	50	1.95	—	—
Tynemouth	1009.9	41.8	48.4	38.1	62	1894	20	1912	16	54	2.13	—	—
Spurn Head	1010.4	43.8	48.2	40.8	61	1894, 1895	28	1884	16	47	1.85	[1.90]	[23]
Yarmouth	1011.6	43.3	48.5	39.6	60	1895, 98, 99, 1904	23	1890	18	61	2.41	[2.33]	[27]
Clacton-on-Sea	1012.4	43.0	48.5	39.7	[60]	[1908]	[25]	[1904]	15	47	1.86	2.33	27
Nottingham	1011.9	40.7	48.4	37.1	63	1895	13	1904	19	48	1.88	1.37	16
LONDON (Kew Obsy.)	1013.2	41.9	49.1	38.8	52	1881, 94, 95	21	1901	16	56	2.22	1.73	20
Lerwick	1000.9	40.4	43.6	36.6	53	1890, 1905	19	1909	27	122	4.79	—	—
Stornoway	1000.3	44.3	35.4	35.4	55	1898, 1913	16	1912	26	159	6.25	0.74	12
Castlebay (Barra Isd.)	[1000.5]	[44.1]	[46.9]	[40.1]	[54]	[1912]	[26]	[1912]	[26]	[146]	[5.74]	[0.77]	[12]
Esksdalemuir	[1003.9]	[36.7]	[42.1]	[33.0]	[52]	[1910, 12]	[8]	[1912]	[26]	[204]	[8.04]	[0.74]	[11]
Malin Head	1001.6	42.3	[45.7]	[38.6]	[55]	[1900, 04, 13]	[28]	[1906, 1909]	[24]	[85]	[3.35]	—	—
Blackod Point	1003.0	44.4	[47.5]	[39.9]	[59]	[1899]	[25]	[1906]	[26]	[155]	[6.12]	—	—
Valencia	1005.8	45.4	49.8	41.1	57	1884, 88, 99, 1900	24	1886	26	163	6.64	1.32	17
Roche's Point	1006.9	44.5	48.8	40.4	57	1906	25	1882	23	135	5.38	—	—
Birr Castle	1005.2	40.5	46.1	35.0	58	1900	10	1882	21	84	3.29	1.39	19
Donaghadee	1004.4	41.8	45.9	37.2	56	1885, 88, 94, 1909, 12, 13	21	1909	21	81	3.17	—	—
Liverpool (Observatory)	1006.7	41.2	44.8	36.8	59	1891, 98, 1900	17	1882, 1890	19	67	2.65	[1.39]	[19]
Holyhead	1005.8	44.5	46.9	39.9	56	1888	26	1890, 1902	20	106	4.16	[1.77]	[24]
Pembroke (St. Ann's Hd.)	1006.9	45.5	48.1	41.3	57	1899, 1902	19	1890	22	115	4.52	1.35	18
Scilly (St. Mary's)	1008.6	47.6	50.7	44.0	58	1899, 1900	30	1890	23	111	4.36	1.81	23
Falmouth	1009.5	45.5	48.8	41.6	57	1899	25	1886, 1890	23	159	6.27	1.77	22
Jersey (St. Aubin's)	1011.5	46.2	48.8	41.1	59	1898	22	1890	22	105	4.15	1.87	23
Portland Bill	1009.1	46.5	48.1	41.2	[56]	[1906, 07, 13]	[24]	[1908]	19	75	2.94	—	—
Dungeness	1009.5	43.2	46.2	37.1	56	1897, 98, 1900, 07	12	1890	17	70	2.77	—	—
Dover	[1010.2]	[42.4]	[46.7]	[38.4]	[54]	[1912, 14, 15]	[18]	[1908]	[21]	[105]	[4.12]	[1.45]	[19]
Wick	1001.3	39.3	43.6	34.3	58	1905, 1907	10	1906	22	78	3.08	—	—
Nairn	1001.9	37.4	43.0	32.1	58	1900	8	1912	19	56	2.22	[1.16]	[18]
Aberdeen	1003.2	38.5	42.9	34.2	57	1885, 98, 1906, 10, 12	6	1882	19	82	3.22	1.16	18
Leith	1003.8												

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

Results for 9 years, 1907-1915.

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. Milli- bars at M.S.L.	Change in 3 hours.	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	1024.5	45	NNE	2	c	1022.7	-2	41	-2	SSW	2	SW	bc	1	0.3	48	39	c	c	bc	*
	Deerness (Orkney)	1024.7	43	NNE	2	bc	1022.7	*	44	-1	NW	1	NW	o	1	-	50	42	o.c	c.bc	bc.c.o	1.6.
	Stornoway	1024.6	48	E	1	c	1022.3	-1	41	-4	N	1	-	bc	1	-	50	40	o.c	c	c.bc	0.2
	Castlebay (Barra Isd.)	1025.1	49	E	3	o	1023.0	-1	51	+1	SSW	4	-	o	3	-	51	49	op	o	o	0.0
	Glasgow	1024.5	45	E	1	og	1024.0	-1	42	-2	E	1	W	c	*	-	48	42	o	og	ogz.c	0.1
	Eskdalemuir	1024.6	43	ENE	3	o	1024.7	-1	41	-2	N	1	-	o	*	-	47	39	ad	ad	o.de.o	0.1
	Malin Head	1022.8	49	SE	2	bc	1021.2	-2	49	+2	S	3	-	om	3	-	54	47	bc	bc	om	4.3
	Blacksod Point	1019.7	51	ESE	3	bc	1017.3	-2	48	-3	ESE	3	NW	cm	3	-	58	46	bc	bc	cm.om	*
	Valencia	1017.7	56	E	4	og	1015.0	-1	67	+1	E	4	-	omr	3	0.3	60	55	og	c.og	og	0.0
	Roche's Point	1020.0	55	ESE	3	o	1018.2	*	57	+2	ESE	4	-	o	4	0.1	57	54	og	og	omp	*
	Birr Castle	1020.4	53	SE	1	o	1018.9	*	53	+4	SE	2	-	m	*	-	55	49	o	o	og	0.0
	Donaghadee	1022.7	50	E	4	og	1022.3	0	52	+4	SE	3	-	omg	2	-	52	48	eg	eg	omg	*
	Liverpool (Bidston)	1022.6	51	NE	3	og	1023.1	-3	47	0	ESE	2	E	o	2	-	54	46	bc	bc	om	2.1
	Holyhead	1021.7	52	ENE	4	om	1021.7	0	50	-1	SE	3	-	c	2	-	55	49	o.c	c.o	b.o.c	0.4
	Pembroke (St. Ann's)	1020.5	55	NE	3	o	1020.1	-1	54	+5	ESE	4	SE	bc	3	-	53	49	b.bc.c	c.o	o.c.o	3.5
	Scilly (St. Mary's)	1019.4	54	ESE	2	om	1019.6	0	56	+2	SSE	4	-	omr	4	2	60	54	omcm	cm om	om.c.o	4.9
	Falmouth	1019.8	55	SSE	1	og	1020.0	+1	57	+4	SE	3	-	o	*	-	60	53	o.c.bz	bz	c.b.bz	7.9
	Jersey (St. Aubin)	1018.8	50	E	2	og	1021.6	*	58	+3	SE	3	-	o	3	-	61	55	o.bc.o	b.bz	o.b.o	3.5
	Portland Bill	1019.5	58	E	3	og	1021.8	0	56	+6	E	4	SE	cu	3	0.2	61	49	bc	bc	o.cp	*
	Dungeness	1018.5	57	ENE	4	c	1021.8	+1	55	0	ENE	1	-	c	2	-	61	49	cp.c	c.c	bc	*
	Dover	1020.0	54	N	3	o	1023.3	+2	52	-4	-	0	-	c	2	0.1	61	49	c	c	o.b.c	1.2
NORTHERN EUROPE.	Wick	1024.6	47	NE	2	o	1023.1	-1	41	-5	WSW	1	-	o	0	0.2	49	39	c	c.o	ogp	*
	Nairn	1024.7	46	N	1	o	1023.4	*	43	0	-	0	-	bc	1	-	48	41	og.c.bc	og.c.bc	o.o	0.0
	Aberdeen	1024.3	48	E	2	c	1024.3	-1	43	-1	NW	1	-	o	3	-	50	42	o.c	c.o	o.c.o	0.4
	Leith	1024.3	48	E	2	c	1024.9	0	44	-3	S	1	SE	c	3	-	49	43	c.o.c	og.o.c	c.o.c	*
	Tynemouth	1023.8	48	NNE	1	bc	1024.5	0	44	-6	NNW	2	N	cm	4	-	50	43	o	c	emp	*
	Spurn Head	1022.4	52	ENE	4	c	1024.4	0	50	-4	N	2	-	c	4	-	56	48	bcg	bcg.c	c	3.7
	Yarmouth	1020.6	54	NNE	4	c	1023.1	+3	48	-7	NW	2	-	bc	2	-	61	48	c.bc	bc	c.bc	4.4
	Clacton-on-Sea	1020.1	54	NNE	2	c	1023.6	+2	46	-8	NNW	2	NW	c	1	-	58	44	c	c	c.b.b.c	0.2
	Nottingham	1022.0	50	NNE	3	c	1024.0	*	46	-4	NE	1	SE	o	*	-	56	46	o.c	c.o	o	0.1
	Benson (Oxon.)	1020.6	51	NE	4	o	1023.7	+1	45	-3	NNE	1	-	o	*	-	58	44	c	o	o	*
FRANCE, &c.	Sth Farnborough	1020.2	53	N	3	o	1023.1	+1	47	-3	NE	1	NW	o	*	-	60	46	o.c	c.o	om	3.2
	London (Kew Obsy.)	1020.9	54	NNE	3	o	1023.6	+1	49	-3	NE	1	-	o	*	-	59	47	cm.b.b.c	o.c.o	o	3.2
	Spitsbergen	1007.5	21	NNE	6	c	1008.0	0	21	-2	NNW	4	*	b	*	*	23	19	*	*	*	*
	Vardö	992.7	37	NW	5	r	996.7	+1	34	-3	NW	4	-	s	4	*	39	36	*	*	*	*
	Bodö	1010.7	37	NNW	6	c	1009.0	-2	37	0	NW	2	-	o	2	?	37	30	*	*	*	*
	Christiansund	1019.8	39	NW	2	c	1018.6	0	37	-2	NW	3	-	c	3	13	41	34	*	*	*	*
	Skudesnaes	1019.0	43	NNW	3	b	1019.7	0	41	0	NNE	3	-	b	2	-	40	39	*	*	*	*
	Færder (X'faniafjord)	1018.1	46	WSW	2	b	1017.0	-2	45	+2	ENE	4	S	c	2	-	46	43	*	*	*	*
	The Scaw (Skagen)	1019.3	45	N	3	b	1017.6	-1	46	+1	SSW	3	S	c	3	-	48	37	*	*	*	*
	Blaavands Huk	1018.7	46	ENE	1	b	1021.3	0	46	+5	SW	1	-	o	2	14	54	36	*	*	*	*
SOUTHERN STATIONS.	Copenhagen	1016.2	46	NNE	3	bc	1022.0	+1	41	-4	NE	1	-	bc	*	-	48	36	*	*	*	*
	Bornholm	1014.6	46	NNE	4	c	1022.3	+3	43	-5	NW	1	-	b	1	-	46	43	*	*	*	*
	The Helder	1018.3	54	NNE	3	b	1022.6	+1	48	-7	S	2	-	o	1	2	57	48	*	*	*	*
	C. Gris Nez	1019.1	57	NNE	4	o	1023.1	+3	55	-3	E	3	*	bc	1	3	61	50	*	*	*	*
	La Hève	1017.9	59	NE	3	o	1023.5	*	52	-3	NE	2	*	c	2	-	66	48	*	*	*	*
	Brest (St. Mathieu)	1019.7	58	E	2	o	1020.3	-1	56	-2	SE	4	*	f	3	-	64	52	*	*	*	*
	Rochefort (Ile d'Aix)	1017.6	62	NNE	2	b	1021.2	0	56	-4	E	3	*	m	*	-	68	54	*	*	*	*
	Biarritz	1018.2	63	WNW	4	o	1021.1	+2	59	-2	SW	1	*	o	2	12	64	59	*	*	*	*
	Paris	1017.2	54	NNE	2	b	1023.0	+3	45	-10	NNE	1	N	b	*	-	63	41	*	*	*	*
	Belfort	1013.5	50	ENE	3	r	1022.7	*	46	-5	-	0	*	m	*	9	56	45	*	*	*	*
LONDON OBSERVATIONS.	Lyons	1015.0	55	WNW	3	o	1021.2	*	52	-2	N	2	*	o	*	2	60	50	*	*	*	*
	Nice	?	60	-	0	b	1012.3	+3	59	-3	-	0	*	b	3	-	68	52	*	*	*	*
	Perpignan	1014.0	64	NW	4	b	1017.3	+2	63	+4	NW	4	NW	b	*	1	70	59	*	*	*	*
	Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Corunna	1019.8	64	-	0	r	1021.2	+2	59	-2	-	0	-	b	2	9	70	57	*	*	*	*
	Madrid	1016.6	68	-	0	b	1022.7	+2	54	-1	NE	1	-	bc	*	-	70	50	*	*	*	*
	Lisbon	1019.5	70	NNW	4	bc	1019.8	+1	61	-3	N	1	-	o	2	-	72	61	*	*	*	*
	Azores (Horta)	*	*	*	*	*	1004.4	+1	66	0	SW	7	*	bc	3	4	72	61	*	*	*	*
	Madeira	1017.3	73	E	2	o	1018.1	0	68	+2	E	2	-	bc	2	-	77	68	*	*	*	*
	Gibraltar	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Malta	*	*	*	*	*	1012.2	+2	68	-2	NW	3	W	b	2	6	73	64	*	*	*	*
SOUTH KENSINGTON.	Limassol	*	*	*	*	*	1020.3	+1	75	+3	SW	1	-	b	2	-	84	52	*	*	*	*
	Alexandria	1017.0	72	NNE	2	b	1016.6	0	73	-4	-	0	-	b	0	-	82	64	*	*	*	*
	Cairo (Helwan)	1015.1	72	NNE	3	b	1014.7	0	72	+2	NE	2	-	b	*	-	84	66	*	*	*	*
	GREENWICH (Royal Observatory)	67	81	3.5	61	47	45	-	c	c.o	*	*	*	*	*	*	*	*	*	*	*	*
	CITY (Bunhill Row)	63	75	3.6	61	48	45	-	bc.o	o.bcm	cm.	*	*	*	*	*	*	*	*	*	*	*
	WESTMINSTER (St. James's Park)	65	75	2.4	63	47	48	-	bc	o	*	*	*	*	*	*	*	*	*	*	*	*
	CAMDEN SQ. (British Rainfall)	65	75	3.6	58	44	36	-	o	om	cm	*	*	*	*	*	*	*	*	*	*	*
	HAMPSTEAD (Reservoir)	*	74	2.7	61	48																

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



FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

Signals hoisted yesterday.

Signals hoisted this morning.

South Cone.

South Cone.

North Cone.

North Cone.

No
Warnings
Issued.

Western Channel and Bay 11

- | | | | |
|----|---|---|-------------------------------------------------------------------------------------------------------------------------------------|
| 0 | a | } | Light variable to Southerly or South-Easterly winds; mostly fair; cool. |
| 1 | b | | |
| 2 | a | } | Wind variable, then between North-East and South-East, light; mostly fair, mist in places, rather cool. |
| 3 | b | | |
| 4 | a | } | Wind between South and East, light or moderate, freshening later; fair to unsettled, some rain; rather cool. |
| 5 | b | | |
| 6 | a | } | Wind between East and South, light or moderate to fresh or strong; unsettled, some rain and mist; moderate temperature. |
| 7 | b | | |
| 8 | a | } | Southerly and South-Easterly winds, light to moderate or strong; becoming unsettled generally; rain at times; moderate temperature. |
| 9 | b | | |
| 10 | a | } | Southerly winds, moderate to strong, sea moderate to rather rough; unsettled, some rain and mist. |
| 11 | b | | |

Millibars inches

1050

1040

1030

1020

1010

1000

990

980

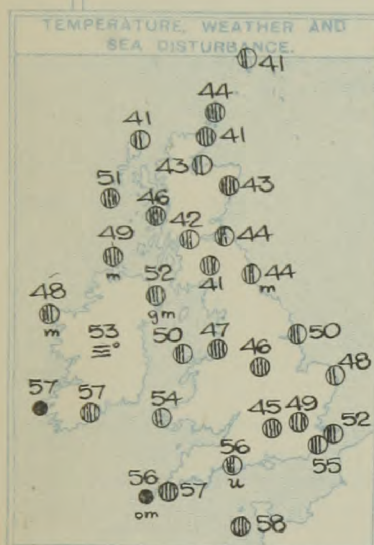
970

SYNOPTIC CHART FOR THE MORNING OF SUNDAY, 1ST

OCTOBER, 1916.

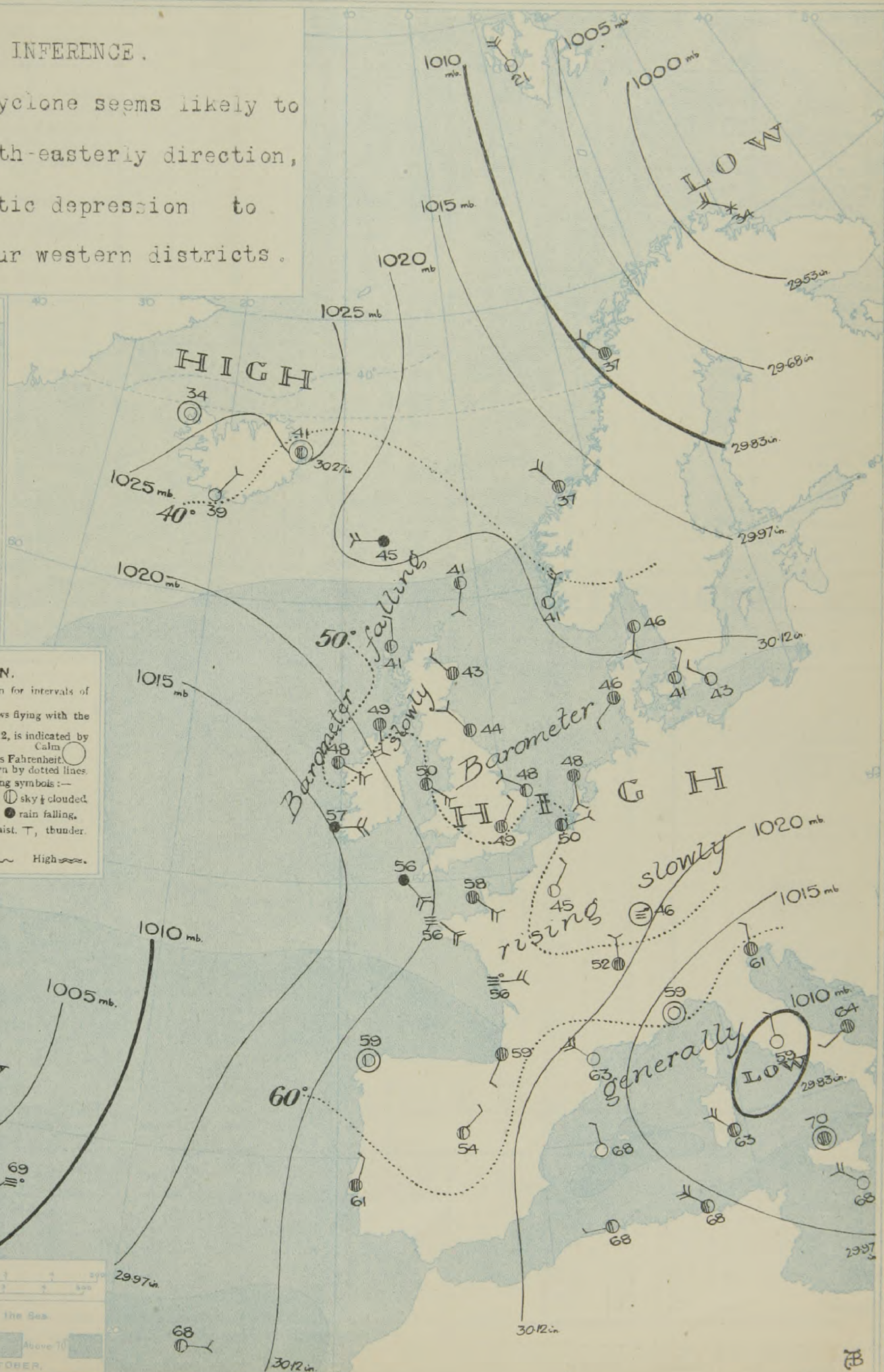
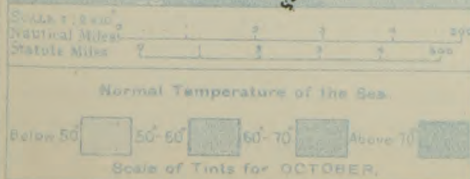
GENERAL INFERENCE.

The anticyclone seems likely to move in a south-easterly direction, and the Atlantic depression to extend over our 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 1/4 clouded. sky 1/2 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.		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.	Change in 24 hours.	Dir.	Force 0-12.			
RUSSIA 7 am. and 9 p.m. Local Time.																							
Archangel ...	9970	34	SW	3	δ	9904	0	32		SW	3	δ	-	° F	° F		Isafjord ...	10261	48	+5	-	0	0
Gorki ...	10091	37	S	1	δ									*	*		Reykjavik ...	10252	45	+2	-	0	0
Velieki Luki ...	10091	36	SW	3	δ		*							*	*		Vestmanna ...	10247	43	+2	-	0	0
Hangö ...														*	*		Seydisfjord ...	10239	28	-4	-	0	δ
Riga ...	10074	45	NNE	2	0									*	*		Thorshavn ...	10253	35	-7	-	0	δ
Petrograd ...	10063	39	NNW	2	δ	10056	-1	37		NE	2	0	2	45	32								
Moscow ...	10143	39	SSW	3	0	10099	+2	34		SSE	2	0	-	*	32								
Kiev ...														*									
Kharkov ...														*									
Kishinev ...														*									
Elisabetgrad ...														*									
Nicolaiev ...							*							*									
Odessa ...														*									
Tarkhankout...							*							*									
Soukhoum ...														*									
MEDITERRANEAN.																							
Venice ...	10026	63	S	1	r	10013	*	59	-5	-	0	δ	2	70	57		British Isles ...				h.	h.	
Pesaro ...	10027	64	-	0	c	10022	*	63	0	S	1	c	4	75	59		France ...				7	18	
Rome ...	10074	64	S	1	c	10059	*	63	-1	-	0	c	13	68	59		Norway ...				7	18	
Viesti ...	10071	64	ESE	1	δ	10044	*	68	+5	SW	1	c	5	70	59		Sweden ...				7	17	
Brindisi ...	10082	66	ESE	5	0	10064	*	64	-6	SW	1	δ	5	73	66		Denmark ...				7	18	
Cagliari ...	10087	73	SSW	5	δ	10082	*	72	+2	NW	3	δ	1	75	59		Holland ...				7	18	
Palermo ...	10116	66	-	0	0	10096	*	66	-2	E	1	δ	55	70	54		Italy ...				7	20	
Tripoli ...	10146	81	SSE	1	δ	10119	*	77	0	NNE	2	δ	-	88	64		Egypt ...				6	18	
Algiers ...	10137	70	WSW	2	δ	10133	+2	70	+6	WSW	3	c	-	77	68		Corunna...				7	16	
SWEDEN.																							
Hernösand ...	10093	39	W	2	δ	10088	*	34	-3	N	4	δ	*	*	*		Madrid ...				8	16	
Stockholm ...	10111	41	-	0	δ	10100	*	36	-7	NNW	2	δ	*	*	*		Lisbon ...				7	21	
Wisby ...	10099	46	NE	4	c	10086	*	43	-7	N	4	c	*	*	*		Azores ...				8	17	
														*	*	*		Madeira ...				7	21
														*	*	*		Malta ...				8	—
														*	*	*		Limassol ...				6	—

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 30 th	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine 30 th	
	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	-	50	41	bc	0	0.9	England, E.	Lowestoft	-	-	61	52	gm bc	bc.c	16
	Banff	-	50	45	c.bc	bc	1.9		Felixstowe	-	-	61	52	gm bc	bc.c	16
	Montrose	-	50	44	c	0.	0.3		Walton-on-Naze	-	-	60	50	o.c	bc.c	14
	Carnoustie	*	50	44	o.	o.c	0.0		Southend-on-Sea	-	-	60	50	o.c	bc.c	14
	St. Andrews	-	50	44	o.	o.c	0.0									
Eng. N.E.	Harrogate	-	51	45	o	0	0.0	England, S.E.	Margate	-	-	59	55	o	cp	0.1
	Skegness	-	51	45	o	0	0.0		Ramsgate	0.3	-	60	53	gp.	o.	0.0
Eng. N.W.	Morecambe	-	55	44	bc	o.c.	4.4		Hastings	-	-	61	51	o bc	bc	2.8
	Southport	-	55	44	bc	o.c.	4.4		Eastbourne	-	-	62	51	o	o	2.8
Midlands.	Leamington Spa	-	58	47	c.bc.o	o.c	0.7		Seaford	*	*	62	50	c	c	5.0
	Malvern	-	61	43	o	o.c.	0.5		Brighton	-	-	62	50	bc	bc.c	6.0
	Ross-on-Wye	-	61	43	o	o.c.	0.5		Worthing	-	-	62	50	bc	bc.c	6.0
Wales.	Rhyl	-	57	46	o.c	o.c	0.5		England, S.W.	Littlehampton	-	-	62	49	bc	bc.c	5.1
	Colwyn Bay	-	62	56	bc	o	2.8	Bognor		*	*	62	49	bc	bc.c	5.1
	Llandudno	-	57	46	o.c	o.c	0.5	Bournemouth		-	-	60	46	o	o.c.	3.7
	Aberystwyth	-	57	46	o.c	o.c	0.5	Weymouth		*	*	60	50	bc	bc.c	4.1
	Tenby	-	62	56	bc	o	2.8	Torquay		1	-	60	50	bc	bc.c	4.1

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

1 st & 2 nd Oct. 1916.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	5.56	11.43	5.30
	5.57	11.42	5.27
Greenwich ...	6.2	11.50	5.38
	6.3	11.49	5.35
Wick ...	6.19	12.2	5.45
	6.21	12.1	5.42
Valencia ...	6.43	12.31	6.19
	6.44	12.30	6.16

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.
	Benson. 28th.	12h.										
Heights to Kilometres	3	-2	+5									
	2	-4	+3									
	1	-3	+1									
	0.5	-4	0									
	0	-2	-1									

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.

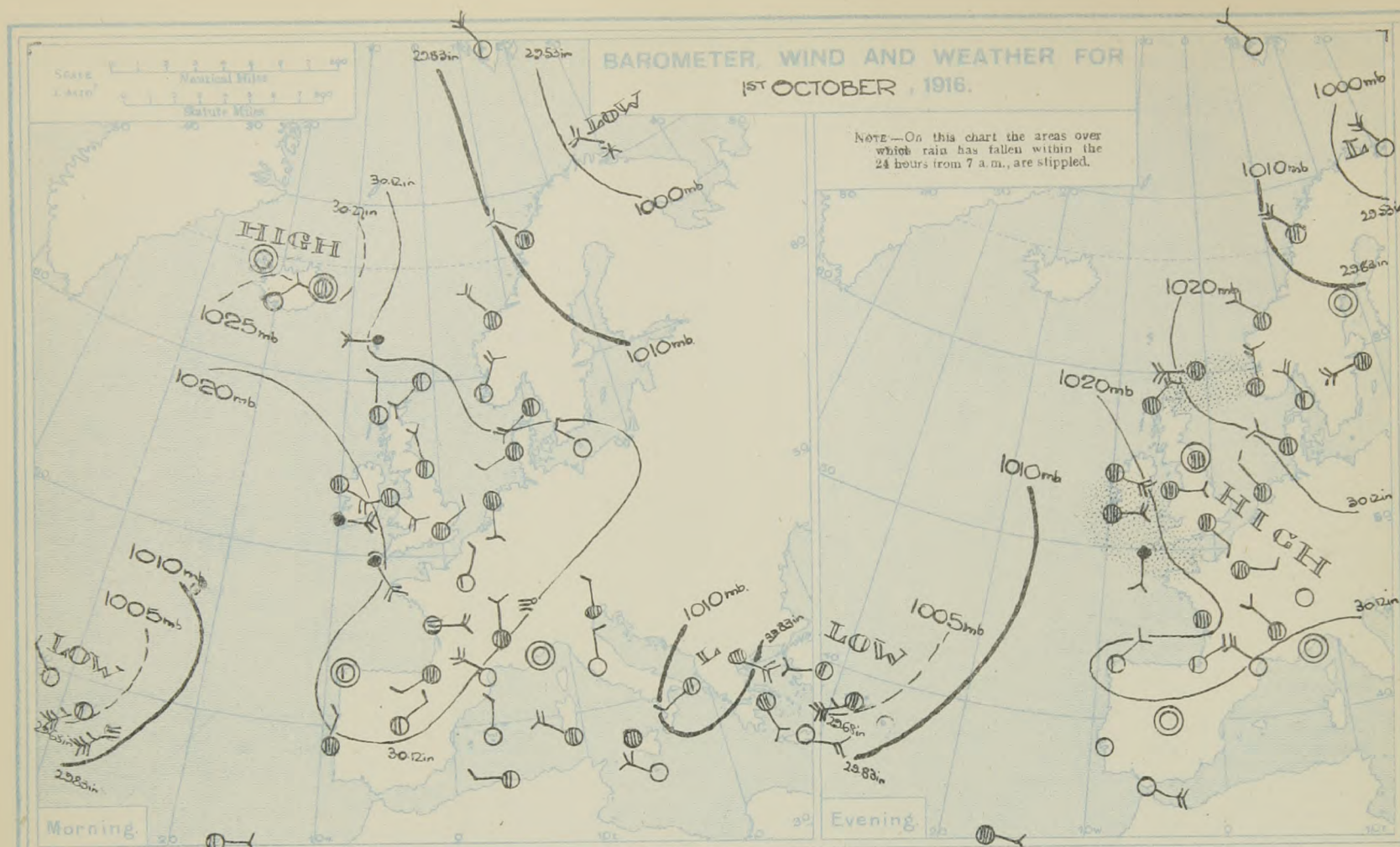
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+ The barometric change is expressed in h/100 millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 276

Monday
2nd October

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 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.																					
Lerwick	10166	47	W	4	om	10183	0	42	+1	N	3	N	bc	3	1	49	39	c	acd.	bc	*
Deerness (Orkney)	10186	46	W	1	r	10193	*	43	+1	NNE	3	N	bc	2	1	50	42	o.	or	rac.bc	00
Stornoway	10208	49	NNE	3	o	10204	0	42	+1	N	2	N	c	2	01	53	40	bc	olpo	bcc	00
Castlebay (Barra Isd.)	10212	50	E	3	bc	10188	-1	49	-2	NE	4	-	b	4	-	56	47	o.be	bc	bc.b	46
Glasgow	10212	46	SW	1	bcz	10195	-1	35	-7	ESE	1	W	bc	4	-	51	33	cz	c.bcz	bc.bz	08
Eskdalemuir	10217	41	-	0	a	10197	0	33	-8	-	0	W	cmx	4	-	50	30	o	a	cmx	03
Malin Head	10182	52	E	3	om	10157	-1	51	+2	ESE	4	NW	cmg	4	-	55	48	om	om.	omg.	00
Blacksod Point	10138	56	ESE	4	cgm	10168	-1	56	+8	ESE	2	-	omr	2	5	58	49	cm	cgm	omomr	00
Valencia	10120	62	E	3	o	10091	-1	61	+4	SSE	3	-	or	3	19	63	57	ozo	a	opr	01
Roche's Point	10150	57	SE	4	r	10123	*	59	+2	S	1	-	o	3	28	59	57	omr	orfd	r.f.om	00
Birr Castle	10160	56	SE	2	r	10117	*	57	+4	SE	1	-	r	3	13	59	53	od	od	odor	00
Donaghadee	10196	53	SE	3	ogm	10162	-1	51	-1	SE	4	-	ogm	3	-	54	51	ogm	ogm.	ogm	*
Liverpool (Bidston)	10201	53	SE	2	o	10153	-2	51	+4	ESE	2	E	o	2	-	66	47	oc	c	om	08
Holyhead	10187	56	E	3	omg	10149	-2	55	+5	ENE	3	-	opdm	2	1	58	49	o.ccm	a.ccm	oapdm	00
Pembroke (St. Ann's)	10176	57	SSE	4	c	10133	-2	57	+3	-	0	-	fr	2	27	58	52	c	op.cp	fr	00
Scilly (St. Mary's)	10163	59	S	2	fd	10156	-1	59	+3	SW	3	NW	om	4	7	59	55	omr	omd	fr.feo	00
Falmouth	10174	57	SE	5	ormg	10154	0	59	+2	WSW	5	-	o	3	11	60	55	o.cdr	orm	ordmg	00
Jersey (St. Aubin)	10210	61	SE	3	og	10172	*	60	+2	SW	3	-	og	3	9	61	55	ac.o	og	ogdpo	08
Portland Bill	10205	60	SSE	3	o	10151	-2	60	+4	SW	3	-	omr	4	9	62	56	c	c.o	c.orm	00
Dungeness	10225	57	SSE	1	c	10176	-1	58	+3	SSE	4	-	o	3	-	60	54	bc	bc	c.bcp.o	*
Dover	10229	53	-	0	b.	10188	-2	57	+5	S	4	S	o	4	-	60	46	bc	bc.b.bc	bc.c.o	24
Wick	10189	48	WSW	1	o	10195	+2	42	+1	NW	2	-	c	3	1	51	40	og.c	c.og	opc	*
Nairn	10196	47	-	0	o	10196	*	46	+3	W	1	-	bc	2	02	54	42	bc	bc.cgp	ogc	21
Aberdeen	10201	47	SSW	2	bc	10191	+1	44	+1	NW	3	-	c	3	-	53	42	o	c.b.bc	cp	27
Leith	10203	49	SE	1	c	10199	0	38	+6	SW	1	W	bc	1	-	53	37	c.bcc	c.b.c.	c.bmbc	*
Tynemouth	10213	50	-	0	omg	10189	-2	38	+6	WNW	1	W	bc	3	-	50	37	omg	omg	cm	*
Spurn Head	10229	52	SE	3	o	10174	-1	52	+2	SW	2	-	o	3	-	55	48	c	c.o	c.o	11
Yarmouth	10226	54	SE	1	c	10180	-1	52	+4	WSW	2	-	c	2	-	57	48	bc	c	c	15
Clacton-on-Sea	10223	55	SE	1	c	10187	0	56	+10	SSW	2	-	o	2	-	58	46	c.b.c	bc.c	c.b.cog	18
Nottingham	10216	52	S	1	o	10171	*	50	+4	S	1	SE	o	3	-	60	46	o.c	bc.o	c.o	41
Benson (Oxon.)	10212	55	SE	1	o	10167	-1	52	+7	SE	3	-	r	3	02	58	46	c	o	bc.or	*
St. Farnborough	10214	55	S	1	bc	10168	-2	52	+5	SE	2	-	odm	3	03	60	46	o	o.bcm	bc.bcm	13
London (Kew Obs.)	10222	56	SE	1	cm.	10180	-1	53	+4	SSE	2	-	grm	3	1	56	47	o.ccm.c.o	o.ccm	cm.bcm	36
NORTHERN EUROPE.																					
Spitsbergen	10033	18	NW	2	b	10048	0	12	-9	-	0	*	b	3	*	21	9	-	-	-	-
Vardö	9987	28	NW	4	b	9941	0	34	0	NE	3	-	o	3	*	34	30	-	-	-	-
Bodö	10050	36	NW	4	c	10061	+1	32	-5	S	1	-	c	1	?	37	27	-	-	-	-
Christiansund	10133	37	NW	3	c	10123	0	39	+2	NNW	3	-	c	4	13	41	34	-	-	-	-
Skudesnaes	10180	41	N	3	c	10096	-1	43	+2	N	4	-	c	2	6	45	37	-	-	-	-
Færder (X'ania Fjord)	10157	45	WNW	1	b.	10095	-2	43	-2	WNW	2	-	b	1	-	45	41	-	-	-	-
The Scaw (Skagen)	10172	45	NNW	3	bc	10114	-2	45	-1	WSW	1	-	c	2	-	52	37	-	-	-	-
Blaavands Huk	10199	48	NW	2	c	10150	-3	48	+2	NW	1	-	c	2	3	52	45	-	-	-	-
Copenhagen	10180	48	WSW	3	r	10144	-2	45	+4	W	3	-	m	3	Trace	52	41	-	-	-	-
Bornholm	10189	48	WSW	4	o	10149	0	43	0	NNW	3	-	o	0	-	50	43	-	-	-	-
FRANCE, &c.																					
The Helder	10223	52	NW	1	c	10179	-1	50	+2	SSE	1	-	o	1	-	55	48	-	-	-	-
C. Gris Nez	10206	54	ESE	1	b	10183	+2	51	-4	S	3	*	c	2	-	63	50	-	-	-	-
La Hève	10220	61	NE	1	o	10183	*	52	0	SSE	3	*	r	2	3	68	52	-	-	-	-
Brest (St. Mathieu)	10196	59	SE	4	m.	10187	+1	59	+3	SW	3	*	o	3	17	63	55	-	-	-	-
Rochefort (Ile d'Aix)	10162	63	-	0	o	10213	0	57	+1	SSE	1	-	o	3	-	68	56	-	-	-	-
Biarritz	10207	64	NE	1	b	10199	0	55	-4	ESE	3	*	b	2	-	72	54	-	-	-	-
Paris	10229	52	E	1	o	10215	0	45	0	-	0	NW	o	3	-	63	41	-	-	-	-
Belfort	10229	52	E	1	o	10215	0	45	0	-	0	NW	o	3	-	63	41	-	-	-	-
Lyons	10224	52	NW	2	c	10235	*	48	-4	-	0	*	b	3	-	59	43	-	-	-	-
Nice	10154	59	-	0	b	10190	+2	59	0	-	0	*	bc	2	-	72	52	-	-	-	-
Perpignan	10167	66	NW	3	b	10204	+2	63	0	WNW	3	-	b	3	-	73	57	-	-	-	-
Sanguinaire	10167	66	W	2	b	10199	0	55	-4	E	3	*	b	4	-	73	52	-	-	-	-
SOUTHERN STATIONS.																					
Corunna	10202	63	NNE	2	b	10206	+1	55	-4	SE	1	-	f	1	Trace	66	55	-	-	-	-
Madrid	10186	72	-	0	b	10235	+3	59	+5	-	0	NW	b	3	-	73	52	-	-	-	-
Lisbon	10186	72	-	0	b	10235	+3	59	+5	-	0	NW	b	3	-	73	52	-	-	-	-
Azores (Horta)	10039	*	SW	7	c	10046	+1	66	0	SW	8	*	bc	3	1	72	63	-	-	-	-
Madeira	10168	73	E	2	o	10175	0	68	0	NE	2	-	bc	2	-	75	68	-	-	-	-
Gibraltar	10186	69	E	3	b	10183	*	70	-	SE	5	*	b	3	-	75	67	-	-	-	-
Malta	*	*	*	*	*	10164	+3	70	+2	NNW	4	-	b	2	-	73	66	-	-	-	-
Limassol	*	*	*	*	*	10137	0	75	0	SW	1	-	b	1	-	84	55	-	-	-	-
Alexandria	10158	73	NE	2	b	10154	0	75	+2	-	0	-	b	0	-	84	68	-	-	-	-
Cairo (Helwan)	10130	75	NE	3	b	10133	+1	70	-2	-	0	-	b	0	-	84	68	-	-	-	-
LONDON OBSERVATIONS.																					
		HUMIDITY.		Sun- shine for Yester- day. Hours.	24 HOURS ENDED 9 h. TO-DAY.										SOUTH KENSINGTON.						
		15 h. Yester- day.	9 h. To- day.		TEMPERATURE.				Rain- fall.		WEATHER.										
		%	%		Max.	Min.	Min. on Grass.	F.	F.	mm.	Morn- ing.	After- noon.	Night.	Vertical Component of Solar Radiation per square Centimetre during Yesterday.							
GREENWICH (Royal Observatory)		68	94	40	61	46	37	2	c.	c.	bc	b.</									



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No
Warnings
Issued.

Western Channel and Bay

Wind mainly between North and North-West, light or moderate; changeable, some rain, snow locally; temperature low.

Wind between East and South-East, light; dull, rain at times; rather cold.

Wind between South-West and South-East, moderate or light, rainy, some mist; moderately cold.

Wind mainly between East and North, light, some rain or snow; temperature low.

Easterly and North-Easterly winds, moderate; rain at times; cold.

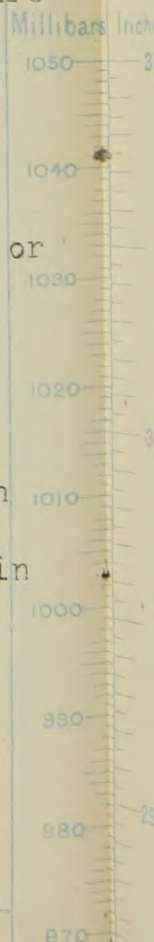
Southerly and South-Westerly winds, moderate; rain at times, some mist; moderate temperature.

Same as No. 7.

Same as No. 8.

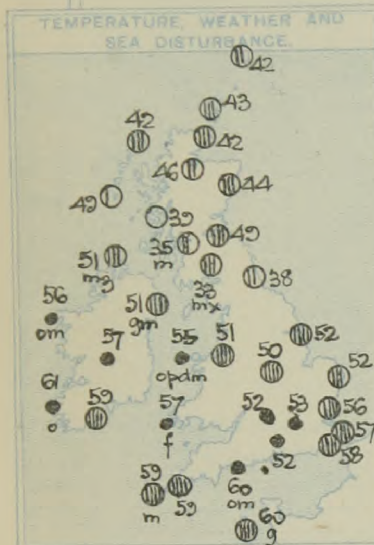
South-Westerly winds, moderate; sea moderate; dull, some rain and mist.

FURTHER OUTLOOK.



GENERAL INFERENCE.

The depression over these Islands will probably continue to move in an Easterly direction.



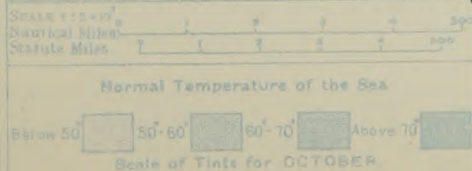
EXPLANATION.

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

Inches.
31

30

29



1005

LOW

29.68 in

29.83 in

29.57 in

1005 mb 12

1000 mb

995 mb

LOW

29.38 in

29.53 in

29.68 in

29.83 in

1010 mb

1015 mb

1010 mb

LOW

29.83 in

29.98 in

29.98 in

29.98 in

29.98 in

29.98 in

29.98 in

29.98 in

29.98 in

29.98 in

29.98 in

29.98 in

29.98 in

29.98 in

29.98 in

29.98 in

29.98 in

1020 mb

1015 mb

1010 mb

LOW

Barometer

60°

59°

58°

57°

56°

55°

54°

53°

52°

51°

50°

49°

48°

47°

46°

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-173°

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.		
				Force	Dir.		Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Force	Dir.	Max.			Min.	Dry Bulb.			Change in 24 hours.	Force	Dir.				
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	997.0	34	SW	3	b	996.4	0	32	-7	SW	3	c	-	° F	° F		Isafjord ...	1028.2	34	-11	-	0	b	
	Gorki ...	1009.1	36	SW	3	b	*	*	*	*	*	*	*	*	*	*	*	Reykjavik	1024.6	39	-6	-	0	b	
	Velieki Luki ...	1009.1	37	S	1	b	*	*	*	*	*	*	*	*	*	*	*	Vestmanna	1023.7	39	-4	NE	2	b	
	Hangö ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Seydisfjord	1025.1	41	+13	-	0	c	
	Riga ...	1007.4	45	NNE	2	o	1003.8	-1	37	-8	NE	2	o	2	45	32	*	Thorshavn	1019.9	45	+10	W	3	r	
	Petrograd ...	1006.3	39	NNW	2	b	1009.9	-3	34	-2	SSE	2	o	-	*	32	*								
	Moscow ...	1014.3	39	SSW	3	o	*	*	*	*	*	*	*	*	*	*	*								
	Kiev ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
	Kharkov ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
	Kishinev ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
	Elisabetgrad ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
	Nicolaiev ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
	MEDITERRANEAN.	Odessa ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*							
Tarkhankout...		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
Soukhoum ...		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
Venice ...		1006.0	63	-	0	c	1011.4	*	61	+2	N	1	c	1	66	59		British Isles ...			b.		h.	18	
Pesaro ...		1006.7	63	SW	1	b	1011.6	*	59	-4	SW	1	o	8	73	55		France ...			7		18		
Rome ...		1007.4	63	-	0	b	1009.9	*	59	-4	-	0	b	-	70	54		Norway ...			7		18		
Viesti ...		1006.4	64	W	1	b	1011.1	*	64	-4	-	0	o	-	77	63		Sweden ...			7		17		
Brindisi ...		1007.0	68	E	1	bc	1007.4	*	63	-1	SW	1	bc	-	75	61		Denmark ...			7		18		
Cagliari ...		1007.0	75	NW	3	b	1011.1	*	63	-9	NW	3	bc	-	75	52		Holland ...			7		18		
Palermo ...		1009.7	70	SW	2	o	1010.9	*	70	+4	-	0	o	1	77	61		Italy ...			7		20		
SWEDEN.	Tripoli ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		Egypt ...			6		18	
	Algiers ...	1015.7	68	-	0	b	1017.6	+2	68	-2	W	1	bc	?	77	63		Corunna...			7		16		
	Hernösand ...	1010.0	39	NW	4	b	*	*	*	*	*	*	*	*	*	*	*		Madrid ...			8		16	
	Stockholm ...	1012.6	39	NW	2	b	*	*	*	*	*	*	*	*	*	*	*		Lisbon ...			7		21	
	Wisby ...	1003.7	45	NNW	6	bc	*	*	*	*	*	*	*	*	*	*	*		Azores ...			8		17	
																			Madeira ...			7		21	
																			Malta ...			8		—	
																			Limassol ...			6		—	

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.	Day.	Max.	Min.	Forenoon.	Afternoon.			Night.	Day.	Max.	Min.	Forenoon.	Afternoon.	
	18h-9h.	9h-18h.	° F.	° F.			Hr.		18h-9h.	9h-18h.	° F.	° F.			Hr.
Scotland.	Oban ...	-	57	42	o bc	b.	3.7	England, E.	Lowestoft ...	-	60	40	o bc	bc c.	3.8
	Banff ...	-	52	39	bc.	bctr. o.	2.9		Felixstowe ...	-	60	40	o bc	bc c.	3.8
	Montrose ...	-	50	40	o.	b.	1.8		Walton-on-Naze ...	-	60	40	o bc	bc c.	3.8
	Carnoustie ...	*	*	*	*	*	*		Southend-on-Sea ...	-	60	40	o bc	bc c.	3.8
	St. Andrews ...	*	*	*	*	*	*								
Eng. N.E.	Harrogate ...	-	53	42	c	c	1.1	England, S.E.	Margate ...	-	58	50	o bc	bc.	2.4
	Skegness ...	0.4	56	46	ogu	bc c bc.	2.8		Ramsgate ...	5	61	47	bc	c o.	3.4
Eng. N.W.	Morecambe ...	-	58	50	o c	o.	1.2		Hastings ...	-	60	48	o	o	1.0
	Southport ...	-	58	50	o c	o.	1.2		Eastbourne ...	-	62	50	c bc	b bc.	1.8
Midlands.	Leamington Spa ...	-	57	45	c bc.	bc c.	2.3		Seaford ...	*	62	49	-	-	2.5
	Malvern ...	-	56	44	o	o c o.	0.5	England, S.W.	Brighton ...	-	61	48	o r c	o	1.0
	Ross-on-Wye ...	-	57	46	bc	bc.	0.5		Worthing ...	-	61	48	o	o	0.0
Wales.	Rhyl ...	-	56	44	o	o c o.	0.5		Littlehampton ...	-	61	48	o	o	0.0
	Colwyn Bay ...	-	57	46	bc	bc.	0.5		Bognor ...	-	61	48	o	o	0.0
	Llandudno ...	-	57	44	c	c.	0.7		Bournemouth ...	-	61	48	o	o	0.0
	Aberystwyth ...	-	58	45	o c	o c o.	0.0		Weymouth ...	-	60	56	o	o	0.0
Tenby ...	Tenby ...	-	58	45	o c	o c o.	0.0		Torquay ...	-	60	56	o	o	0.0
	Tenby ...	-	58	45	o c	o c o.	0.0		Paignton ...	-	60	56	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.

2 nd & 3 rd October, 1916.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	5.57	11.42	5.27
Greenwich ...	5.58	11.42	5.25
Wick ...	6.21	12.1	5.42
Valencia ...	6.44	12.30	6.16

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 60° in most parts of the kingdom. Rain fell in the west, heavily in the south of Ireland and at Pembroke. Little bright sunshine was recorded. In the west and south-west the day was overcast.

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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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 277

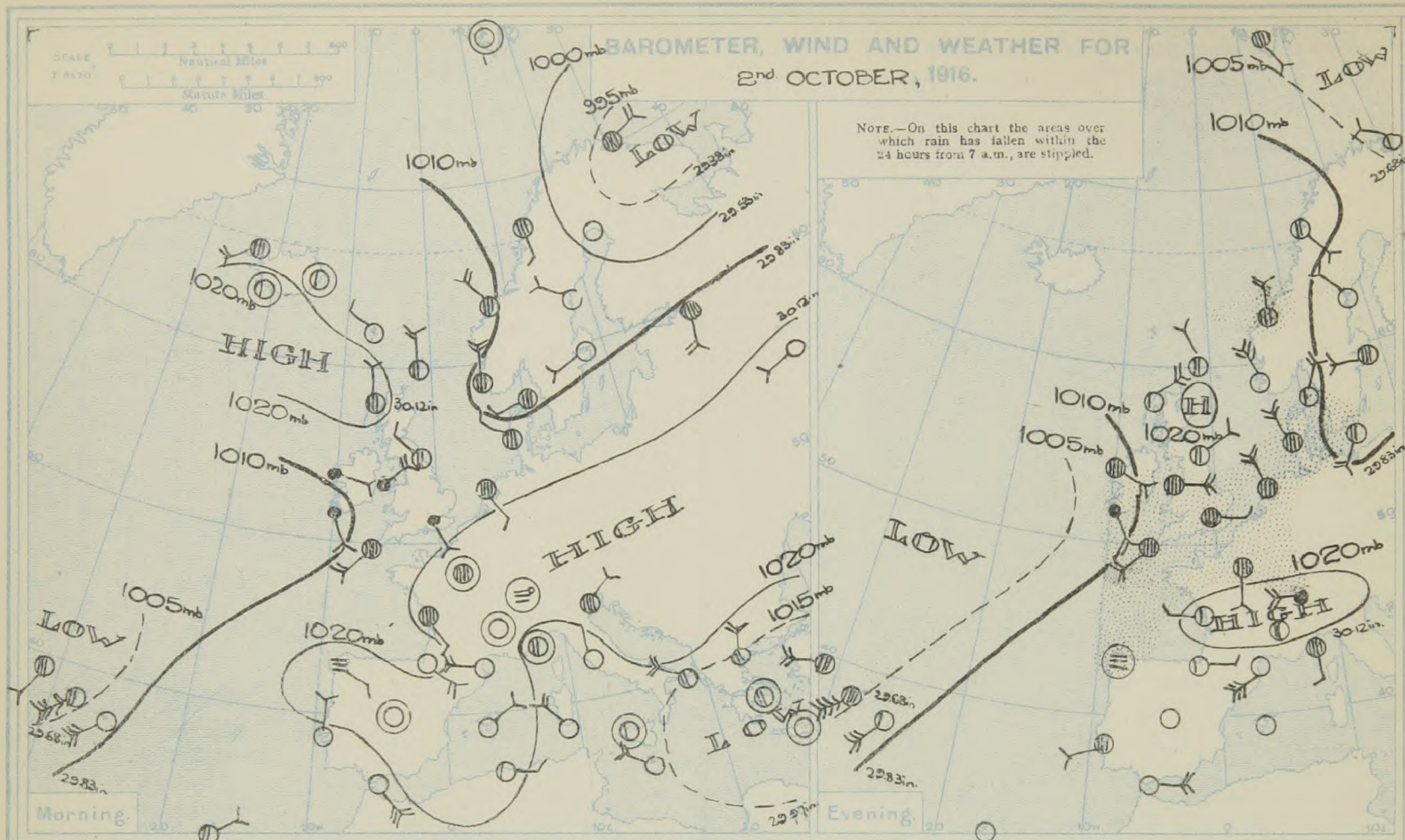
Tuesday
3rd October

STATIONS.	YESTERDAY EVENING					THIS MORNING.										LAST 24 HOURS.					Sun- shine for Yester- day. Hours.				
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer Milli- bars at M.S.L.	TEMP.		WIND.	Direc. of Upper Cloud.	Weather.	Sea 6-9.	Rain- fall Milli- metres.	TEMP.		WEATHER.									
			Direc.	Force 0-12.			Change in 3 hours.	Dry Bulb.						Change in 24 hours.	Direc.	Force 0-12.	Max.	Min.	Morning.	Afternoon.		Night.			
																				F.	F.	bc	bc	bcw	*
Lerwick ...	10195	43	NNW	2	bc	10176	+1	42	0	S	1	-	bc	1	0.2	47	38	bc	bc	bcw	*				
Deerness (Orkney) ...	10200	43	NNE	1	c	10166	*	47	+4	SE	4	-	o	4	Trace	49	43	bc.b	b.bcc	c.o	84				
Stornoway ...	10184	47	ENE	4	b	10136	-2	34	-8	N	1	-	bx	1	52	34	c.bc	bc.cb.	bx	76					
Castlebay (Barrisd.) ...	10174	50	ENE	3	b	10116	-4	50	+1	E	4	-	opm	5	Trace	54	49	b	b	bopm	10.1				
Glasgow ...	10190	45	ENE	3	b	10151	-2	42	+7	ENE	3	-	omd	*	1	51	34	bcz bc	bc.b	bomtp	69				
Eskdalemuir ...	10192	41	NE	2	b	10160	-2	43	+0	N	1	-	omd	*	1	51	32	omxm	c.bcb	b.bcod	48				
Malin Head ...	10135	53	ESE	5	omg	10072	-3	52	+1	E	6	-	omg	7	54	50	omg	omv	omg	0.0					
Blacksod Point ...	10081	56	ESE	3	omg	10012	+4	58	+2	SSE	6	-	omrg	6	13	58	55	omd	omd	omgr	*				
Valencia ...	10071	62	ESE	3	r	10084	+3	60	-1	S	4	SW	o	4	7	62	59	omdp	omdr	op	0.0				
Roche's Point ...	10111	59	SE	2	fd	10114	*	59	0	SW	3	SW	c	4	11	60	58	rfd	fd	r.a.c.	*				
Birr Castle ...	10101	59	SE	1	r	10089	*	58	+1	S	1	-	c	*	7	61	56	or	od	orc	0.0				
Donaghadee ...	10148	53	ESE	5	ogm	10104	-2	53	+2	SE	4	-	ofr	3	7	54	50	ogm	ogm	omrg	*				
Liverpool (Bidston) ...	10163	51	ENE	3	o	10140	-1	51	0	ESE	3	SE	r	3	10	54	49	od	o	or	0.0				
Holyhead ...	10135	55	E	5	ogm	10116	0	58	+3	S	5	-	omg	4	24	59	54	omr	ogmr	ogmr	0.0				
Pembroke (St. Ann's) ...	10130	58	SW	2	f	10129	0	58	+1	SW	4	-	fd	3	41	59	57	f	fr	frd	0.0				
BRITISH ISLANDS.																									
Scilly (St. Mary's) ...	10149	60	SW	4	om.	10159	+1	60	+1	SW	4	SW	cm	5	2	61	58	omd	om	omcm	0.0				
Falmouth ...	10150	60	SSW	4	odm	10161	+2	60	+1	SW	4	-	ome	*	4	63	59	odq.o	oro	odpme	0.0				
Jersey (St. Aubin) ...	10174	62	WSW	3	og	10193	*	60	0	SW	2	-	o	1	Trace	65	58	oge.c	cog	c.bw.o	0.9				
Portland Bill ...	10157	60	WSW	3	o	10174	+1	61	+1	SW	4	S	c	3	11	61	59	ro	o	or	*				
Dungeness ...	10155	55	ESE	2	c	10181	+1	57	+1	ESE	3	-	og	3	7	60	56	or	r.a.c.	oap.	*				
Dover ...	10172	53	-	0	om	10192	0	54	-3	SE	2	-	omcl	2	6	57	51	or	orm	orm	0.0				
Wick ...	10199	46	ESE	2	c	10152	+4	47	+5	SSE	5	S	bc	5	-	49	42	c.bc	bc.c	bc	*				
Nairn ...	10186	42	-	0	bc	10145	*	31	-15	-	0	-	b	1	-	50	29	bc.c	bc	bcx	38				
Aberdeen ...	10201	43	ENE	1	b	10175	-1	49	+5	SSE	3	-	o	3	-	53	40	c.bz.b	bc.b	b.bco	46				
Leith ...	10188	49	E	3	bc	10155	-2	47	+9	SE	2	-	om	2	-	53	37	bc.b	c.b.c	bc.bmo	*				
Tynemouth ...	10190	49	NE	3	bc	10177	-1	49	+11	SE	3	-	ogmd	3	-	53	46	cm	bc	omd	*				
Spurn Head ...	10182	52	ENE	3	o	10190	0	53	+1	SSE	5	-	o	4	1	55	51	o	o	o	0.0				
Yarmouth ...	10174	54	NE	2	c	10195	+1	56	+4	S	3	-	c	3	-	60	52	c	c	bcm.c	0.0				
Clacton-on-Sea ...	10172	54	ENE	1	r	10191	+1	55	-1	ESE	3	SE	r	3	2	58	53	ogpd.	ogr	ogrog	0.0				
Nottingham ...	10179	50	ENE	2	o	10173	*	52	+2	SE	2	-	r	*	4	52	49	or	r.a.	o	0.0				
Benson (Oxon.) ...	10160	54	E	1	r	10173	+1	54	+4	SE	2	-	ogd.	*	14	56	52	r	r	b.r	*				
Sth Farnborough ...	10154	56	ENE	2	r	10172	+1	55	+3	SSE	2	-	omr	*	14	56	52	orm	orm	orm	0.0				
London (Kew Obsy.) ...	10165	55	E	1	odf	10182	+1	54	+1	ESE	1	-	om	*	11	56	52	ormcm	ormcd	odform	0.0				
NORTHERN EUROPE.																									
Spitsbergen ...	10013	18	SSE	2	o	10000	0	16	+4	SSE	2	*	bc	*	*	18	9								
Vardö ...	10020	30	NW	2	b	10019	0	34	0	NW	3	-	c	6	*	36	25								
Bodö ...	10104	30	SE	2	bc	10046	-6	32	0	E	2	-	o	2	3	36	30								
Christiansund ...	10158	39	NW	2	o	10141	-1	45	+6	W	5	-	o	3	3	45	34								
Skudenes ...	10160	45	NNW	5	b	10194	0	39	-4	E	2	-	bc	3	-	48	36								
Færder (X'aniafjord) ...	10137	43	N	6	b	10198	+3	42	-1	-	0	N	b	0	-	43	37								
The Scaw (Skagen) ...	10123	43	NNE	3	b	10198	+4	43	-2	NE	2	-	b	2	4	48	41								
Blaavands Huk ...	10123	48	NNW	4	bc	10213	+5	36	+12	SE	1	-	c	1	3	52	36								
Copenhagen ...	10087	46	WNW	3	r	10195	+6	41	-4	N	3	N	c	*	1	50	37								
Bornholm ...	10095	46	SSW	3	bc	10157	+8	41	-2	NNE	9	-	b	3	4	48	39								
FRANCE, &c.																									
The Helder ...	10168	55	NNW	4	o	10212	+3	50	0	ESE	1	E	b	1	Trace	57	48								
C. Gris Nez ...	10166	54	SE	3	o	10194	+2	50	-1	SSE	1	*	r	2	8	54	50								
La Hève ...	10173	61	W	3	o	10183	*	58	+6	WSW	4	*	c	3	6	66	52								
Brest (St. Mathieu) ...	10183	59	S	2	p	10197	+1	59	0	S	4	*	f	4	Trace	63	52								
Rochefort (Ile d'Aix) ...	10203	63	W	1	b	10213	+2	60	+3	SSW	2	*	bc	*	-	70	55								
Biarritz ...	10187	72	E	1	b	10219	+2	60	+5	SSW	2	*	bc	1	-	81	61								
Paris ...	10184	54	S	2	o	10208	+2	55	+10	S	1	-	o	*	3	57	45								
Belfort ...	10217	51	W	4	r	10235	*	51	+6	W	4	*	r	*	13	61	48								
Lyons ...	10221	55	-	0	bc	10233	*	48	0	-	0	*	b	*	-	63	48								
Nice ...	10186	60	S	1	o	10173	+2	57	-2	-	0	*	c	2	-	68	54								
Perpignan ...	10198	61	SW	6	b	10217	+3	54	-9	SW	6	-	b	*	-	73	50								
Sanguinaire ...	*	66	S	3	m	*	*	64	+4	E	3	-	c	2	-	73	59								
SOUTHERN STATIONS.																									
Corunna ...	10198	57	-	0	f	10223	+1	59	+4	-	0	-	b	1	Trace	61	54								
Madrid ...	10180	75	-	0	b	10243	+3	59	0	NNE	1	-	bc	*	-	77	54								
Lisbon ...	10190	77	WSW	2	c	10207	+1	64	0	N	1	-	bc	6	-	82	66								
Azores (Horta) ...	10046	*	SSW	8	o	10107	+4	68	+2	WSW	6	*	bc	3	1	72	66								
Madeira ...	10173	75	E	2	b	10213	+2	68	0	NE	2	-	o	2	-	77	66								
Gibraltar ...	10213	69	E	4	bc	10217	*	68	-2	E	3	*	b	3	-	74	67								
Malta ...	*	*	*	*	*	10204	+3	68	-2	NW	3	NW	b	2	-	73	64								
Limassol ...	*	*	*	*	*	10127	+2	73	-2	-	0	-	b	1	-	88	55								

RAINFALL.

Equivalents of Millimetres
in inches.

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



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay 11

0 } South-Easterly or Southerly winds, becoming fresh; dull, some rain; temperature about normal.

2 } Moderate Southerly or South-Westerly winds; misty, unsettled, some rain, improving temporarily; normal temperature.

6 } Fresh or strong South-Easterly or Southerly winds, then veering; dull, some rain and mist; normal temperature.

7 } Moderate or fresh South-Westerly winds, fair weather, but with some showers and mist or fog; normal temperature.

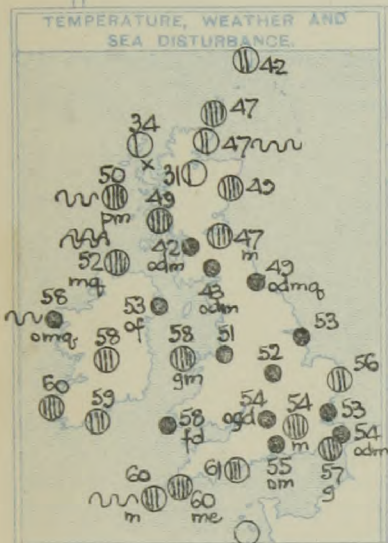
9 } Fresh Southerly or South-Westerly winds; dull, some showers; normal temperature.

10 } Moderate South-Westerly winds, and moderate or rather rough sea; fair, some showers, mist and fog.

FURTHER OUTLOOK.

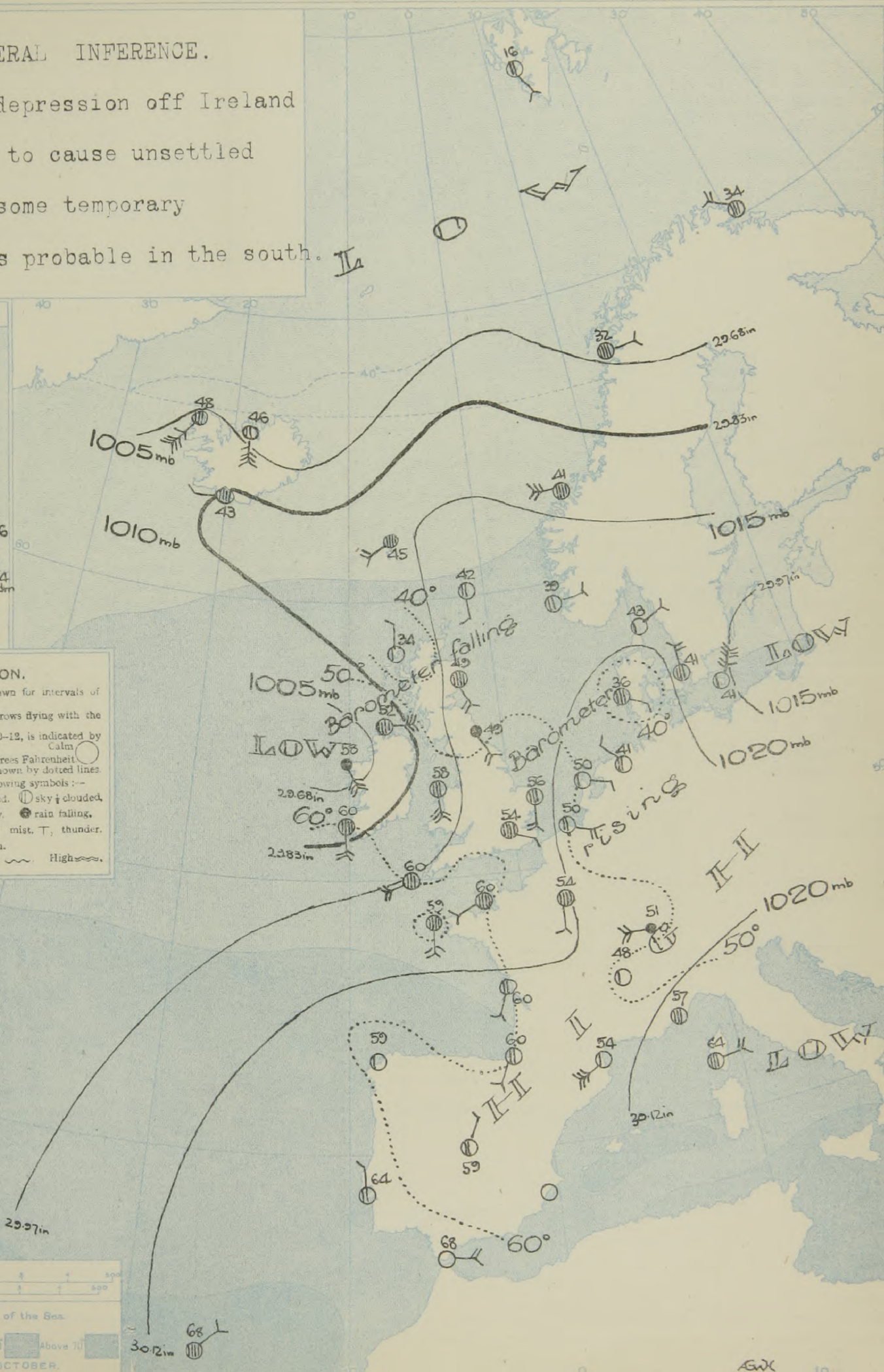
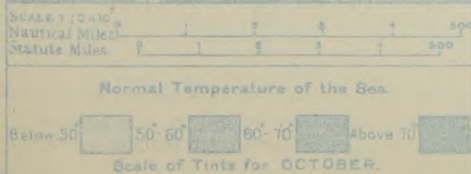
GENERAL INFERENCE.

The depression off Ireland will continue to cause unsettled weather, but some temporary improvement is probable in the south. *II*



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.
 Ts, 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. ° F.	Change in 24 hours. ° F.	Dir.	Force 0-12.		
RUSSIA 7 a.m. and 9 p.m. Local Time.																							
Archangel ...	1000.4	34	NW	5	S																		
Gorki ...																							
Velieki Luki ...							*																
Hangö ...																							
Riga ...																							
Petrograd ...	1011.4	34	SW	3	b	1011.7	-2	32	-5	SSW	3	0	4	43	30								
Moscow ...	1016.3	34	NW	1	b	1021.2	+3	30	-4	WSW	2	b	-	*	28								
Kiev ...														*									
Kharkov ...														*									
Kishinev ...														*									
Elisabetgrad ...														*									
Nicolaiev ...														*									
Odessa ...														*									
Tarkhankout...							*							*									
Soukhoum ...														*									
Hours of Observation G.M.T.																							
																		Morning.		Evening.			
British Isles ...																		h.	7	18			
France ...																		h.	7	18			
Norway ...																		h.	7	18			
Sweden ...																		h.	7	17			
Denmark ...																		h.	7	18			
Holland ...																		h.	7	18			
Italy ...																		h.	7	20			
Egypt ...																		h.	6	18			
Corunna... ..																		h.	7	16			
Madrid ...																		h.	8	16			
Lisbon ...																		h.	7	21			
Azores ...																		h.	8	17			
Madeira ...																		h.	7	21			
Malta ...																		h.	8	—			
Limassol ...																		h.	6	—			
SWEDEN.																							
Hernösand ...	1010.3	36	—	0	b	1003.8	*	34		NW	2	b	*	*	*								
Stockholm ...	1014.9	39	SW	4	o	1008.7	*	37		SW	2	b	*	*	*								
Wisby ...	1015.5	43	SSW	2	o	1011.5	*	43		WNW	4	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.				
	Min.	Min.	F.	F.			Hr.		Min.	Min.	° F.	° F.			Hr.			
Scotland.	Oban	—	—	58	36	b	b	8.3	England, E.	Lowestoft	—	—	60	50	o c o	o	0.0	
	Banff	0.2	—	?	37	bc	bc	2.9		Felixstowe	—	1	58	50	o	or	0.0	
	Montrose	—	—	52	46	bc	b	8.7		Walton-on-Naze	—	—	—	—	—	—	—	
	Carnoustie	*	*	—	—	—	—	—		Southend-on-Sea	—	3	54	50	cr	oz	0.0	
	St. Andrews	1	1	51	32	b	b	8.4										
Eng. N.E.	Harrogate	0.4	—	50	44	o	m	0.0	England, S.E.	Margate	0.4	7	55	51	r	r	0.0	
	Skegness	—	—	56	48	oz	oz	0.0		Ramsgate	0.2	9	56	49	r	r	0.0	
										Hastings	1	9	58	53	c or	or	0.0	
										Eastbourne	0.3	13	57	51	od r o	or d	0.0	
										Seaford	*	*	59	53	r	r	0.0	
Eng. N.W.	Morecambe	0.3	—	54	50	—	—	0.0	England, S.W.	Brighton	*	*	57	55	or	or	0.0	
	Southport	—	—	52	44	oz	oz	0.0		Worthing	1	4	58	55	r	gr	0.0	
										Littlehampton	2	1	59	54	r	or o	0.0	
										Bognor	*	*	60	55	or	or	0.0	
										Bournemouth	6	1	62	54	r	od o	0.0	
Midlands	Leamington Spa	2	6	54	44	or	or	0.0	England, S.W.	Weymouth	*	*	—	—	—	—	—	
	Malvern	4	11	54	49	r	r	0.0		Torquay	4	0.2	63	56	o	o	0.1	
	Ross-on-Wye	3	9	56	51	r	r	0.0		Paignton	*	*	—	—	—	—	—	
Wales.	Rhyl	1	3	55	49	g	p	0.0		England, S.W.	Penzance	4	5	63	57	or f	or f	0.0
	Colwyn Bay	*	*	55	42	op	po	0.0			Newquay	8	4	60	54	cd	cr	0.0
	Llandudno	*	*	65	53	r	rc	0.0	Fide		6	7	63	56	r	r	0.0	
	Aberystwyth	*	*	59	47	r o c	or	0.0	Ilfracombe		10	0.3	62	52	op	op	0.0	
	Tenby	6	6	60	55	r	r	0.0	Weston-s-Mare		16	2	59	50	r c	cr m	0.0	

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

3rd & 4th October, 1916.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	5.58 6.0	11.42 11.42	5.25 5.23
Greenwich ...	6.4 6.7	11.49 11.49	5.33 5.31
Wick ...	6.23 6.26	12.1 12.1	5.34 5.26
Valencia ...	6.45 6.47	12.30 12.30	6.14 6.12

NOTES ON YESTERDAY'S WEATHER.

Rain fell generally in England and Ireland, heavily in some parts, up to 41 mm. at Pembroke. There was also a good deal of mist and fog. Night temperature fell to 29° at Nairn.

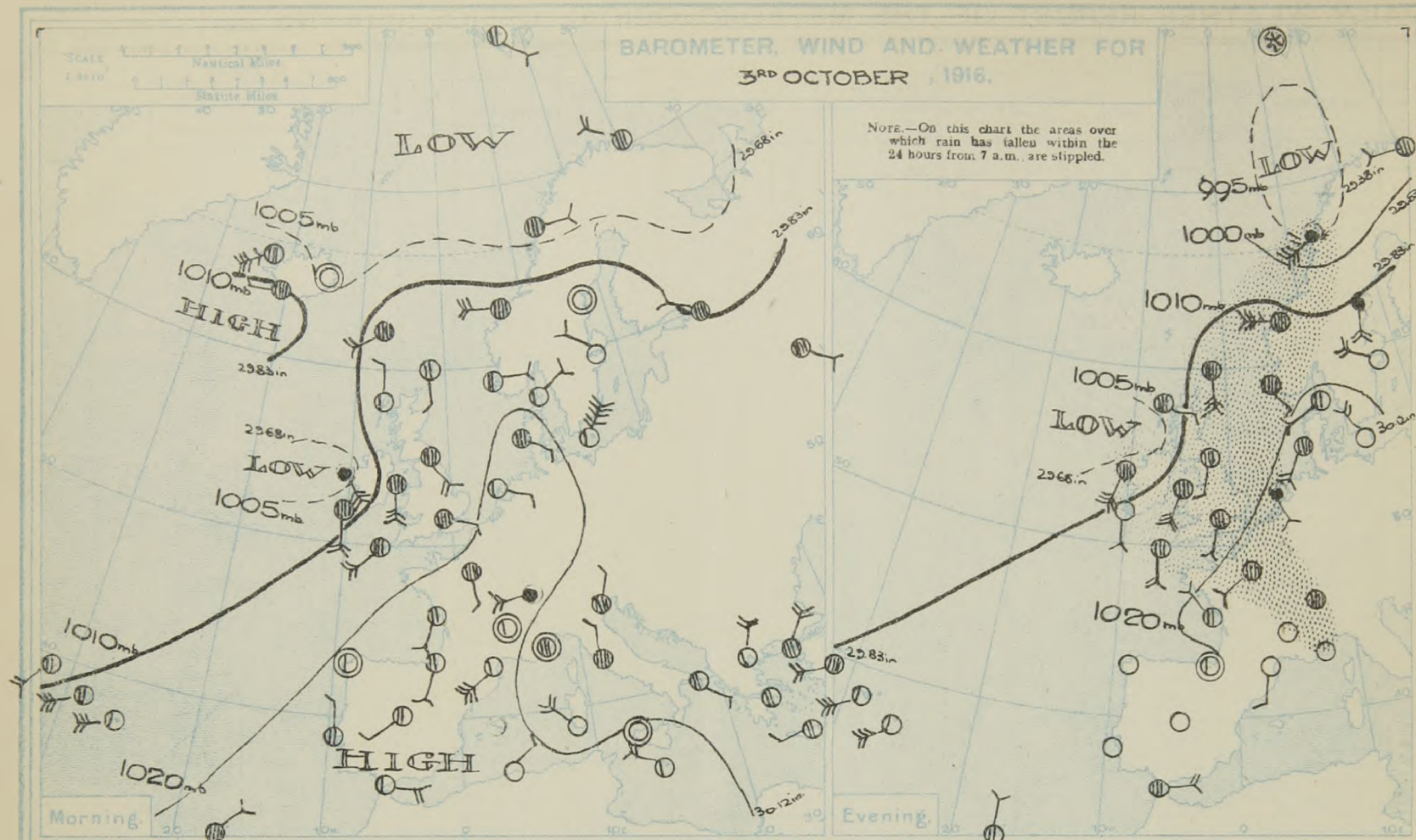
NOTE.—The information relating to weather is indicated by the following letters:—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; i, lightning; m, mist; o, overcast sky; p, passing showers; q, squalls; r, rain; 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, 1916. No. 278

Wednesday.
4th October.

STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS					Sun- shine for Yester- day. Hours.																				
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometre		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.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.																					
																						F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.
Lerwick ...	10110	48	S	5	omg	10014	-2	50	+8	0	-	m	0	2	50	41	bc.	om	omd.	*																					
Deerness (Orkney) ...	10088	51	SSE	6	oge	10010	*	53	+6	S	1	oge	1	1	52	45	og	og	oe. rg	10.																					
Stornoway ...	10066	49	ESE	1	c	9987	-1	55	+7	WSW	5	odq	4	5	55	33	bo	oc.	codq	32																					
Castlebay (Barra Isd.) ...	10038	57	ESE	5	r	10022	-2	55	+5	SW	2	om	2	4	57	49	opmdp	dpr	rdom	00																					
Glasgow ...	10102	51	E	1	omg	10047	-4	55	+3	SSE	1	omg	*	7	56	42	omd.	omdbq	omg	00																					
Eskdalemuir ...	10119	55	S	4	ome	10058	-5	55	+12	S	3	ome	*	14	56	43	odm.rm	omr	odmrm	00																					
Malin Head ...	10052	60	S	6	cqg	10020	-5	57	+5	SW	4	cg	3	3	65	52	cqg	cqg	cg	20																					
Blacksod Point ...	10062	58	SSW	6	omg	9987	-4	57	-1	SE	3	omr	2	8	59	56	gmqr	gmqr	omomr	*																					
Valencia ...	10101	61	S	3	o	10029	0	60	0	SW	4	o	3	6	65	59	o	o.c	ccro	16																					
Roche's Point ...	10128	59	SW	3	o	10048	*	60	+1	WSW	4	o	4	10	65	58	om	oc of m	of op	*																					
Birr Castle ...	10103	61	SW	1	c	10028	*	58	0	S	1	o	*	6	67	57	cp	c	oro	40																					
Donaghadee ...	10097	60	SSW	3	bcm	10046	-4	56	+3	SSW	3	ofr	2	4	66	53	orbcm	bcm	bcm of	*																					
Liverpool (Bidston) ...	10144	59	S	1	b	10051	-9	56	+5	ESE	2	r	2	6	65	51	pbc	bc	br	38																					
Holyhead ...	10130	58	SSW	5	of	10078	-8	56	-2	SE	4	omr	3	6	63	56	ofe. cf	bef. co.	aorm	27																					
Pembroke (St. Ann's) ...	10151	58	S	3	o	10062	-2	59	+1	SW	5	cq	2	10	60	57	fdo	o	o. cp	00																					
Scilly (St. Mary's) ...	10166	59	S	3	cm	10102	+1	60	0	WSW	4	omr	5	12	63	58	cm	cm	emomr	03																					
Falmouth ...	10167	60	SSW	1	odm	10103	+2	60	0	WSW	5	odq	*	14	66	59	omeoc	bc. om	ordmo	07																					
Jersey (St. Aubin) ...	10190	62	SW	2	md	10149	*	61	+1	SW	3	o	2	9	66	60	abcd. p	ocdm. p	coro	14																					
Portland Bill ...	10176	60	SW	3	o	10109	-2	60	-1	SW	5	c	5	12	61	58	o	o.c	omf	*																					
Dungeness ...	10184	61	SW	2	c	10132	-2	60	+3	SSW	4	r	4	*	63	56	o. bco.	o. bc	o. cor	*																					
Dover ...	10188	60	SW	3	bc	10130	-2	60	+6	SSW	5	r	5	1	61	53	od	o. bco.	bcomr	08																					
Wick ...	10080	52	S	5	o	10011	-3	54	+7	SSW	2	o	3	1	55	47	bc	bc ogf	bcmro	*																					
Nairn ...	10082	51	-	0	bcm.	10040	*	56	+25	SW	2	bc	1	0.1	56	31	b. bc	cg. bc.	bcw	44																					
Aberdeen ...	10109	53	S	3	om	10038	-3	54	+5	SSW	2	w	cm	3	0.1	55	48	od	od. om	ombrm	00																				
Leith ...	10102	53	E	1	c	10044	-2	56	+9	SSW	1	sw	o	1	3	59	46	omd. o	o	ebep. o	*																				
Tynemouth ...	10131	54	SSW	1	cm.	10077	-4	56	+7	SW	2	w	cm	3	3	57	49	omr	omr	cm.	*																				
Spurn Head ...	10160	57	S	4	m	10103	-1	56	+3	SSW	2	o	4	3	57	53	or	om	c. op	00																					
Yarmouth ...	10171	57	SSW	2	cmp.	10116	-4	58	+2	S	4	om	4	5	58	53	c. omr	omr. ep.	bcomr	00																					
Clacton-on-Sea ...	10181	60	WSW	3	o	10128	-4	59	+4	S	4	o	3	2	61	55	ogrog	og. c	ogp. c	08																					
Nottingham ...	10152	61	SW	1	bc	10082	*	57	+5	SE	2	SE	r	*	5	65	51	ro	o. c	bcbm	02																				
Benson (Oxon.) ...	10167	60	SW	1	b	10097	-4	59	+5	S	4	r	*	6	64	54	op	bc.	c. or	*																					
Sth Farnborough ...	10171	60	SSW	3	b	10106	-5	60	+5	SSW	5	r	*	6	64	55	do	a. b	b. or	09																					
London (Kew Obsy.) ...	10178	61	SSW	2	c	10111	-4	60	+6	SSW	3	or	*	5	65	54	omomd	a. o. o. c	c. b. or	01																					
Spitsbergen ...	9979	18	-	0	S	10002	+1	16	0	ENE	2	b	*	*	19	12.	UPPER AIR. South Farnborough. Pilot Balloon Ascent at																								
Vardö ...	9983	30	W	2	C	9900	-3	30	-4	NW	2	S	2	*	34	25																									
Bodö ...	9927	45	SW	7	r	9940	0	39	+7	NW	4	C	2	18	45	30.																									
Christiansund ...	10118	45	W	7	o	10038	-3	32	-9	W	3	o	4	5	45	32																									
Skudesnaes ...	10175	46	SE	1	o	10055	-6	52	+13	SSE	7	f	4	4	50	39.																									
Færder (X'ania Fjord) ...	10203	48	SW	5	b	10097	-2	48	+6	WSW	6	o	3	*	48	41.																									
The Scaw (Skagen) ...	10197	48	SW	2	bc	10123	-4	46	+3	SSW	4	o	4	*	52	43.																									
Blaavands Huk ...	10215	50	SSW	3	o	10137	-4	52	+16	SSW	3	o	3	*	52	36																									
Copenhagen ...	10230	39	NNW	1	b	10177	-4	46	+6	WSW	4	bc	*	*	46	39																									
Bornholm ...	10221	45	NNW	3	b	10193	-1	45	+4	WSW	5	b	2	*	46	41.																									
The Helder ...	10202	52	SSE	2	r	10141	-2	59	+9	S	4	o	2	3	59	50																									
C. Gris Nez ...	10200	59	SSW	2	bc	10146	0	60	+10	S	4	o	2	2	63	50.																									
La Hève ...	10206	64	SW	2	o	10180	*	58	0	SSW	4	r	3	6	66	55																									
Brest (St. Mathieu) ...	10191	59	S	3	f	10153	0	59	0	SW	5	f	4	4	63	57																									
Rochefort (Ile d'Aix) ...	10215	61	NW	2	bc	10197	+2	61	+1	WNW	2	o	*	*	72	57.																									
Biarritz ...	10197	64	-	0	b	10206	+2	63	+3	WSW	3	m	2	*	72	60																									
Paris ...	10210	61	-	0	b	10187	-1	52	-3	SSW	1	c	*	*	70	50.																									
Belfort ...	10247	57	-	0	o	10240	*	48	-3	-	0	f	*	1	59	45																									
Lyons ...							*				*	f	*	*																											
Nice ...	10197	60	-	0	o	10162	+3	62	+5	-	0	bc	2	Trace	70	59																									
Perpignan ...	10204	66	S	1	b	10213	+2	55	+1	-	0	bc	*	*	82	50.																									
Sanguinaire ...	*	68	S	3	m	*	*	64	0	E	3	m	3	*	75	55																									
Corunna ...	10199	64	NNW	3	c	10226	+2	64	+5	-	0	o	1	?	70	63.																									
Madrid ...													*																												
Lisbon ...																																									
Azores (Horta) ...	10132	*	SW	6	b						*																														
Madeira ...	10217	75	N	2	bc	10231	0	70	+2	N	2	o	2	*	75	70																									
Gibraltar ...	10230	66	E	3	b	10223	*	65	-3	E	2	m	2	*	73	63.																									
Malta ...	*	*	*	*	*	10207	+2	70	+2	NNE	3	b	2	*	72	66.																									
Limassol ...	*	*	*	*	*	10132	+1	72	-1	W	2	b	3	*	84	59.																									
Alexandria ...	10153	73	N	2	b	10168	+1	73	0	N	3	b	2	*	81	72																									
Cairo (Helwan) ...	10143	75	NNE	3	b	10160	+2	70	0	N	1	b	*	*	84	64																									
24 HOURS ENDED 9 H. TO-DAY.																																									
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.				Rain- fall.	WEATHER.			SOUTH KENSINGTON.																												
		25 h. Yester- day.	9 h. To- day.		Max.	Min.	Min. on Grass.	Morn- ing.		After- noon.	Night.																														
GREENWICH (Royal Observatory)	% 83	% 95	Hours. 0.4	°F. 67	°F. 56	°F. 50	mm. 6	0.0	0.0	0.0				Vertical Component of Solar Radiation per square Centimetre during Yesterday.																											
CITY (Bunhill Row) ...	*	*	0.1	*	*	*	*	*	*	*	*				Total.	Average Rate.	Max. Rate.																								
WESTMINSTER (St. James's Park)	88	91	0.2	68	56	51	7	0.0	0.0	0.0				Joules.	Milliwatts.	Milliwatts.																									
CAMDEN SQ. (British Rainfall) ...	94	96	0.2	66	56	53	7	0.0	0.0	0.0				326	7.9	3.9																									
HAMPSTEAD (Reservoir) ...	*	94	0.3	64	54	42	7	0.0	0.0	0.0				Temperatures at Greenwich and Cam- den Square are from Glaisher screens.																											
S. KENSINGTON (Museum Grounds)	*	95	0.1	65	56	50	7	0.0	0.0	0.0																															



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

Light winds, indefinite direction; unsettled, some rain; normal temperature.

Moderate or fresh South-Westerly

winds, strong at times on the coast;

unsettled weather, some rain, fairer intervals;

normal temperature.

Fresh South-Westerly or Westerly winds, and rather rough sea; unsettled, some rain, mist or fog.

FURTHER OUTLOOK.

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

NAPIER SHAW, Director

Millibar Inches

1050 — 31

1040 — 30

1030 — 29

1020 — 28

1010 — 27

1000 — 26

990 — 25

980 — 24

970 — 23

SYNOPTIC CHART FOR THE MORNING OF WEDNESDAY, 4TH OCTOBER, 1916.

GENERAL INFERENCE.

A continuance of unsettled cyclonic 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:—

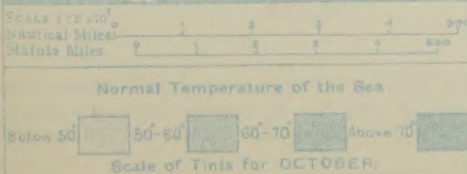
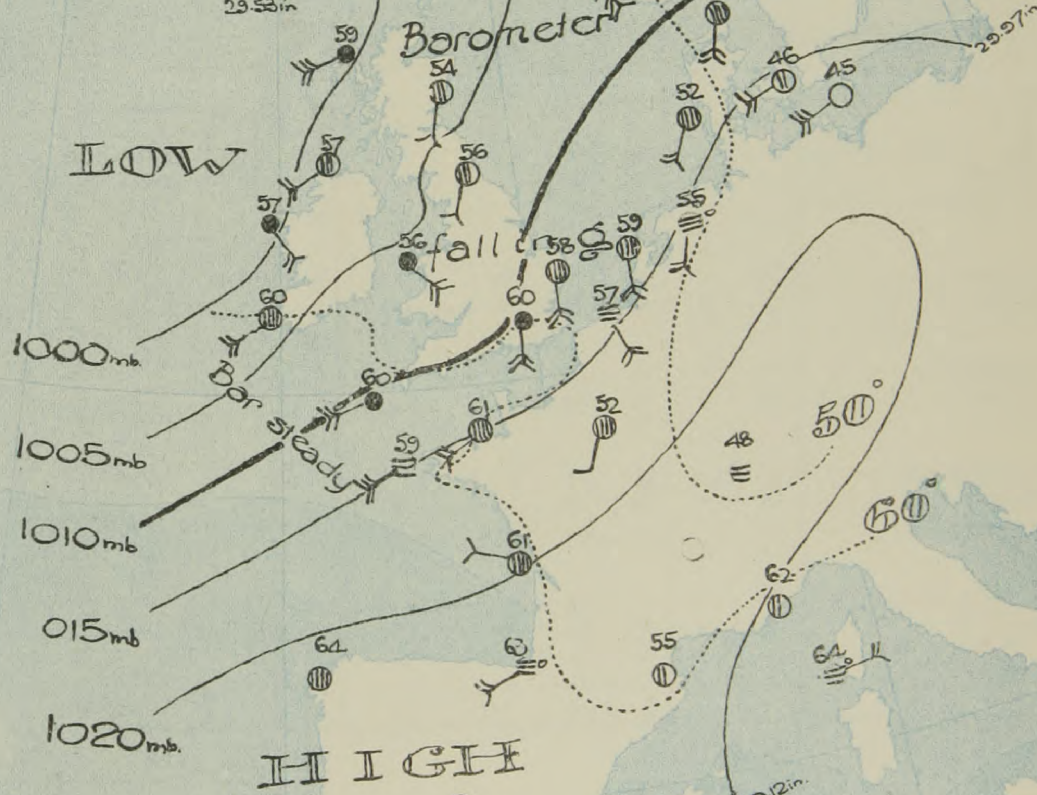
○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded.

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

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

K, thunderstorm.

SEA DISTURBANCE.—Rough. High.



REPORTS FOR YESTERDAY.

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.	
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.	Force 0-12.			Max.	Min.			Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.	Force 0-12.		
RUSSIA 7 am. and 9 P.m. Local Time.	Archangel ...																						
	Gorki ...																						
	Veliki Luki ...						*																
	Hangö ...																						
	Riga ...																						
	Petrograd ...	1005.3	37	NW	3	c	1008.8	+3	36	+4	NW	2	0	5	?	?		1005.2	48	+3	SW	8	c
	Moscow ...	1020.2	36	S	1	b	1018.1	-2	30	0	SSE	2	0	-	?	?		1009.7	45	+6	-	c	0
	Kiev ...																	1010.6	43	+6	W	1	0
	Kharkov ...																						
	Kishinev ...																						
MEDITERRANEAN.	Elisabetgrad ...																						
	Nicolaiev ...						*																
	Odessa ...						*																
	Tarkhankout...						*																
	Soukhoum ...						*																
	Venice ...	1019.0	55	-	0	0	1018.6	*	54	+2	NE	1	0	-	59	52							
	Pesaro ...	1019.4	52	-	0	0	1018.0	*	54	-3	-	0	0	-	61	50							
	Rome ...	1019.9	61	N	1	b	1019.9	*	54	-3	N	1	0	-	70	52							
	Viesti ...	1018.7	61	NW	9	b	1019.0	*	61	+2	NW	1	b	-	70	55							
	Brindisi ...	1017.2	63	NW	2	b	1017.6	*	59	-11	SE	1	b	-	64	59							
SWEDEN.	Cagliari ...	1019.0	70	NW	4	b	1017.3	*	59	-2	NW	4	b	2	73	50							
	Palermo ...	1018.8	68	SSW	2	b	1025.3	*	65	0	-	0	b	-	77	55							
	Tripoli ...						*																
	Algiers ...	1020.6	70	NE	3	b	1021.5	+2	65	+2	NE	2	b	-	73	64							
	Hernösand ...	1008.7	34	NW	2	b	1015.8	*	36	+2	-	0	b	*	*	*							
	Stockholm ...	1008.5	37	W	2	c	1016.0	*	32	-5	NNW	2	b	*	*	*							
	Wisby ...	1007.1	43	SW	2	c	1014.0	*	44	-2	N	6	b	*	*	*							

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	—

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	-	2	55	38	dp. bc	0	0.1	England, E.	Lowestoft	1	4	58	53	or	or	0.0
	Banff	-	-	52	30	bc	bc	1.9		Felixstowe	0.3	1	60	49	dp	dp c	0.0
	Montrose	-	1	53	49	0	0	0.0		Walton-on-Naze	-	-	64	52	0	0. c	0.4
	Carnoustie	*	*	*	*	*	*	*		Southend-on-Sea	1	-	64	52	0	0. c	0.4
	St. Andrews	-	-	54	40	c	0	0.0		Margate	1	0.4	64	52	od	c	0.3
Eng. N.E.	Harrogate	5	1	56	45	dp	om. dp	0.0	England, S.E.	Ramsgate	1	1	62	52	r	0 c	0.0
	Skegness	1	15	58	52	r 0	r 0 bc	0.2		Hastings	5	-	62	53	or	c 0	0.1
										Eastbourne	11	0.3	66	51	og	bc. od	1.1
Eng. N.W.	Morecambe	7	-	63	49	-	-	1.2		Seaford	*	*	*	*	*	*	*
	Southport	7	-	65	49	dp c	c bc. b	2.3		Brighton							
Midlands.	Leamington Spa	5	0.3	67	51	or. bc	p. bc. b	1.7		Worthing	7	1	65	55	0	r. 0	0.1
	Malvern	9	1	66	52	r. c. bc	bc	1.4		Littlehampton	3	1	63	56	-	-	1.0
	Ross-on-Wye	10	1	66	54	or. c	c. bc	0.7		Bognor	*	*	64	57	or. bc	bc. or. f. 0	1.6
Wales.	Rhyl	17	-	66	49	or	bc c bc	4.8	England, S.W.	Bournemouth	4	1	62	59	d. 0	d. 0. c	0.1
	Colwyn Bay	*	*	67	50	bc	bc	7.1		Weymouth		*	64	60	dp	c bc cz	0.2
	Llandudno	*	*	64	51	r	b	4.1		Torquay		0.3	64	60	0	c. 0	1.1
	Aberystwyth	*	*	63	56	r 0 c	bc. 0	2.0		Paignton		*	*	*	*	*	*
	Tenby	6	-	62	58	cg	bcg	0.2		Penzance		0.2	66	60	c 0	c. om	1.0

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

STATIONS.	Sunrise, Noon, Sunset.		
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.0 6.2	11.42 11.42	5.23 5.21
Greenwich ...	6.7 6.9	11.49 11.49	5.31 5.29
Wick ...	6.26 6.28	12.1 12.1	5.36 5.34
Valencia ...	6.47 6.49	12.36 12.30	6.12 6.10

NOTES ON YESTERDAY'S WEATHER.

Rain fell generally over the whole country, 24 mm. at Eskdalemuir and Falmouth. Seven hours of sunshine were measured at Colwyn Bay, elsewhere the measurements were mostly small. Temperature was about normal.

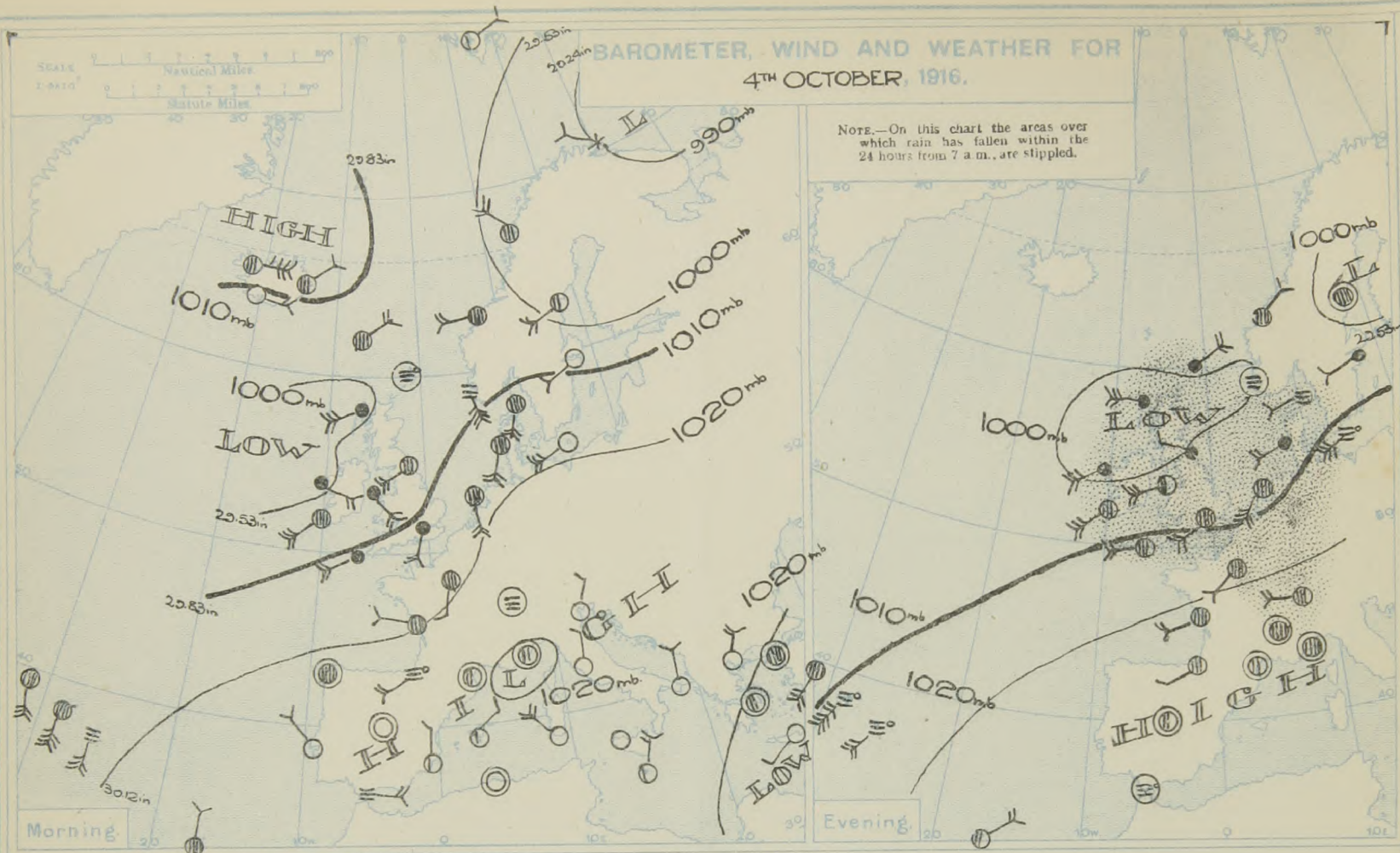
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; 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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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 279.

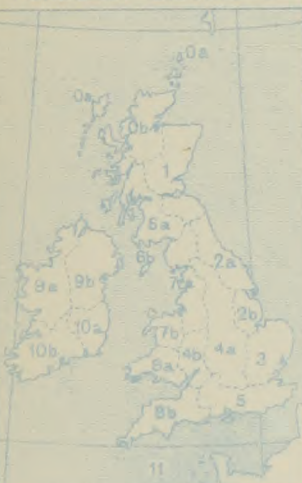
Thursday
5th October.

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 3 hours.	TEMP. F.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 9-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
Lerwick ...	1000.3	48	NE	4	or	1001.6	+1	46	-4	NE	4	-	O	4	8	51	45	om	or	a	*	
Deerness (Orkney) ...	997.9	53	E	2	f	1001.7	*	47	-6	NE	3	-	dm	3	12	55	47	oge	ofr	frmd	0.0	
Stornoway ...	997.4	53	W	4	op.	1001.0	+4	51	-4	NE	5	-	og	4	1	55	51	odo	odp	odpg	0.0	
Castlebay (Barraisd.) ...	996.8	54	N	2	om.	1003.0	+3	52	-3	W	3	-	omp	3	0.1	58	51	omopc	c.om	mcopm	0.3	
Glasgow ...	999.3	55	SW	1	omd	1002.2	+5	52	-3	WSW	2	-	om	*	8	58	53	omup	omr	ompcp	0.0	
Esksdalemuir ...	999.3	54	SW	3	orm	1002.3	+6	53	-2	W	2	W	c	*	23	56	52	odm	orm	ormo	0.0	
Malin Head ...	996.8	57	E	2	ofe	1003.3	+4	54	-3	W	3	W	cg	3	5	59	53	omd	orm	omp	0.0	
Blacksod Point ...	999.8	56	WSW	5	omd	1004.9	+1	56	-1	WSW	3	W	cmp	3	9	58	55	omr	orm	omcmp	*	
Valencia ...	1006.4	60	SW	3	c	1008.6	+1	59	-1	SW	3	W	c	3	0.1	64	58	c.c	c.c	c	3.3	
Roche's Point ...	1007.0	60	WSW	4	c	1009.9	*	58	-2	W	2	-	O	3	4	65	57	cp	cp	cpo	*	
Birr Castle ...	1002.9	60	W	3	O	1007.4	*	57	-1	SW	1	-	O	*	4	63	56	orop	op	op	0.0	
Donaghadee ...	998.5	58	SW	3	ogmp.	1004.5	+4	55	-1	WNW	3	W	cgm	2	19	59	55	ogmp.	ogmp	omomr	*	
Liverpool (Bidston) ...	1002.6	59	SW	3	bc	1004.9	+5	56	0	WSW	5	SW	O	4	5	64	56	or	oc	ogp	0.2	
Holyhead ...	1002.6	59	WSW	5	bcg	1006.5	+4	56	0	WSW	5	W	bc	5	3	61	56	opcpq	opcpq	cpobc	1.8	
Pembroke (St. Ann's) ...	1007.4	59	SW	5	c	1009.7	+1	58	-1	WSW	5	W	cg	5	0.3	60	57	bcg	bcg	bcg	3.5	
Scilly (St. Mary's) ...	1012.9	59	W	4	cm.	1013.3	0	59	-1	WSW	3	W	cm	5	1	62	58	omom	cm.	cm.	3.3	
Falmouth ...	1012.8	60	WSW	5	opg	1013.2	+2	59	-1	WSW	2	-	c	*	10	63	59	ogp	ogp	ogp	1.3	
Jersey (St. Aubin) ...	1015.2	62	W	5	b	1015.0	*	62	+1	W	5	-	og	3	6	66	60	ac bc	bcob	orag	1.8	
Portland Bill ...	1010.9	61	WSW	6	cp	1011.0	+1	61	+1	WSW	5	W	bc	4	2	62	60	cp	c	rc	*	
Dungeness ...	1009.5	60	SSW	5	c	1009.5	0	60	0	SW	4	SW	bc	4	5	63	59	erc	crq	bcpc	*	
Dover ...	1010.5	60	SW	5	c	1010.5	0	60	0	SW	4	SW	bc	6	5	61	58	no	on bcp	ob bc	0.3	
Wick ...	997.7	56	-	0*	r	1000.6	+3	50	-4	NE	4	-	r	3	1	62	50	a	omp	ompd	*	
Nairn ...	997.1	57	-	0	cg	999.8	*	54	-2	-	0	-	od.	1	2	64	52	b bc	bc	good	3.0	
Aberdeen ...	997.3	57	SSW	2	omp	1000.1	+3	54	0	WNW	2	-	om	2	2	60	52	bc cm	c.omp	omp	1.7	
Leith ...	998.2	57	SW	1	O	1000.6	+2	54	-2	W	2	W	c	2	8	59	53	omdo	r	ornate	*	
Tynemouth ...	998.8	56	WNW	1	omr	1000.8	+5	55	-1	NW	2	NW	cmp	3	16	56	54	omr	omr	cmr	*	
Spurn Head ...	1002.1	62	WSW	4	O	1000.3	-1	57	+1	W	5	-	ogr	5	4	65	55	r.c	c.o	bcg	2.0	
Yarmouth ...	1006.0	62	SW	4	bc	1004.2	-2	57	-1	WSW	3	-	bcg	3	2	66	57	bcg	bc	bcg	1.7	
Clacton-on-Sea ...	1008.1	60	SW	5	c	1007.6	0	59	0	SW	4	W	bc	4	4	64	58	ognc	c.bc	c bc	3.0	
Nottingham ...	1004.0	59	SW	2	bc	1004.4	*	59	+2	W	5	W	op	*	5	66	57	r.c	bc op	bc	1.6	
Benson (Oxon.) ...	1009.3	60	WSW	4	bc	1008.9	+2	58	-1	WSW	3	-	b	*	6	66	57	op	op	b.r	*	
Sth Farnborough ...	1009.1	61	SW	5	O	1009.0	+2	58	-2	WSW	4	-	b	*	2	67	58	r.c	c.o	ob	3.3	
London (Kew Obsv.) ...	1009.1	62	SW	4	c	1009.2	+2	59	-1	WSW	4	-	bc	*	3	66	58	oroc	ac op	op	2.4	
SPITSBERGEN.																		UPPER AIR.				
Vardö ...																		South Farnborough.				
Bodö ...																		Pilot Balloon Ascent at 7h. 5m.				
Christiansund ...																		600 metres. W. 14 m.p.s.				
Skudesnaes ...																		300 " W.S.W. 13 "				
Færder (X'aniafjord) ...																		Surface W.S.W. 7 "				
The Scaw (Skagen) ...	1005.5	54	SW	2	f	995.7	-2	54	+8	S	2	-	f	2	10	55	46.					
Blaavands Huk ...	1005.1	55	SW	3	r	996.3	-2	55	+3	W	4	-	r	4	7	59	52.					
Copenhagen ...	1008.6	52	SW	4	m	999.5	-2	55	+9	SW	4	-	m	*	2	55	46.					
Bornholm ...	1010.9	52	SW	6	m	1002.1	-1	54	+9	SW	4	-	f	1	3	54	45	At 14h. 20m. of 4 th Oct. 1916				
FRANCE, &c.																		900 metres W.S.W. 18 m.p.s.				
The Helder ...	1007.0	59	SSW	5	O	1003.7	-2	61	+2	SW	6	NW	c	4	3	63	57.	600 " W.S.W. 14 "				
C. Gris Nez ...	1011.7	60	SW	6	O	1010.3	0	60	0	WSW	5	*	c	7	5	63	57.	300 " W.S.W. 9 "				
La Hève ...	1015.5	62	SW	5	O	1015.1	*	59	+1	WSW	6	*	O	5	6	64	54.	Surface SW.W. 5 "				
Brest (St. Mathieu) ...	1017.6	61	WSW	4	O	1016.7	0	60	+1	WSW	4	*	O	*	-	63	57.					
Roche fort (Ile d'Aix) ...	1022.1	64	WSW	3	O	1022.1	0	63	+2	WSW	4	*	O	*	-	72	59.					
Biarritz ...	1024.0	64	SW	1	c	1024.0	0	63	0	SE	1	*	O	2	-	70	61.					
PARIS.																		GALES				
Bel fort ...	1016.7	61	SSW	2	O	1016.2	+1	57	+5	SW	3	-	r	*	4	66	52	Duration and Extreme Force				
Lyons ...	1021.9	59	W	3	c	1021.3	*	57	+9	WSW	5	*	O	*	4	66	55	in British Islands.				
Nice ...	1022.1	63	-	0	O	1022.3	*	56	-	-	0	*	O	*	-	68	55					
Perpignan ...	1023.4	61	-	0	O	1022.3	0	60	-2	-	0	*	c	*	-	72	57.	Southport: 5 th Oct. 1916.				
Sanguinaire ...	1023.4	61	-	0	bc	1024.0	-2	59	+4	SW	1	W	c	*	-	73	54					
SOUTHERN STATIONS.																		W.S.W. to W. 8. 3h to 5h.				
Corunna ...																		Gusts W. 26 m.p.s.				
Madrid ...	1020.7	77	-	0	bc	1024.3	+2	63	+2	NNE	1	NE	b	*	-	79	57.					
Lisbon ...																						
Azores (Horta) ...	1014.1	*	S	9	m																	
Madeira ...	1023.0	77	NE	3	bc	1023.0	0	68	-2	NE	3	-	bc	3	-	77	68					
Gibraltar ...	1023.0	65	-	0	m	1022.7	*	61	-4	E	2	*	m	1	-	75	59.					
Malta ...	*	*	*	*	*	1025.1	+2	72	+2	ESE	2	-	b	1	-	75	66.					
Limassol ...	*	*	*	*	*	1013.5	0	72	0	W	4	-	b	3	-	82	55.					
Alexandria ...	1017.2	72	NE	1	b	1018.7	+1	73	0	NE	3	N	b	3	-	82	70.					
Cairo (Helwan) ...	1015.4	73	NE	3	b	1017.5	+3	70	0	N	3	-	b	*	-	84	64.					
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.			Morn- ing.	After- noon.	Night.	Vertical Component of Solar Radiation per square Centimetre during Yesterday.								
			Hours.		Max.	Min.		Min. on Grass.	Total.	Average Rate.				Max. Rate.								
GREENWICH (Royal Observatory) ...	76	74	2.8		67	58	52	mm.	0.1		Op	ac bc	bc b.o									
CITY (Bunhill Row) ...	*	*			*	*	*		*		*	*	*									
WESTMINSTER (St. James's Park) ...	69	74	3.0		67	59	54				c bc	bc	bc om									



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

- 0 } Moderate North-Easterly winds, decreasing; dull, some rain, improving; normal temperature.
- 1 } Moderate North-Westerly winds, decreasing and backing; fair, showery, becoming rainy again to-morrow; rather mild.
- 2 }
- 3 } Fresh Westerly winds, decreasing and backing South-West or South; fair, showery, becoming rainy again later; rather mild.
- 4 }
- 5 }
- 6 } Light or moderate Westerly winds, backing; unsettled; rather mild.
- 7 }
- 8 } Moderate South-Westerly winds, backing South and freshening again; weather becoming rainy again; rather mild.
- 9 }
- 10 }
- 11 } Fresh South-Westerly winds, rather rough sea; unsettled.

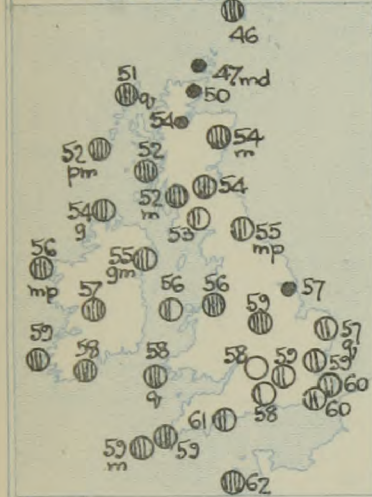
FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING THURSDAY, 5th OCTOBER, 1916.

GENERAL INFERENCE.

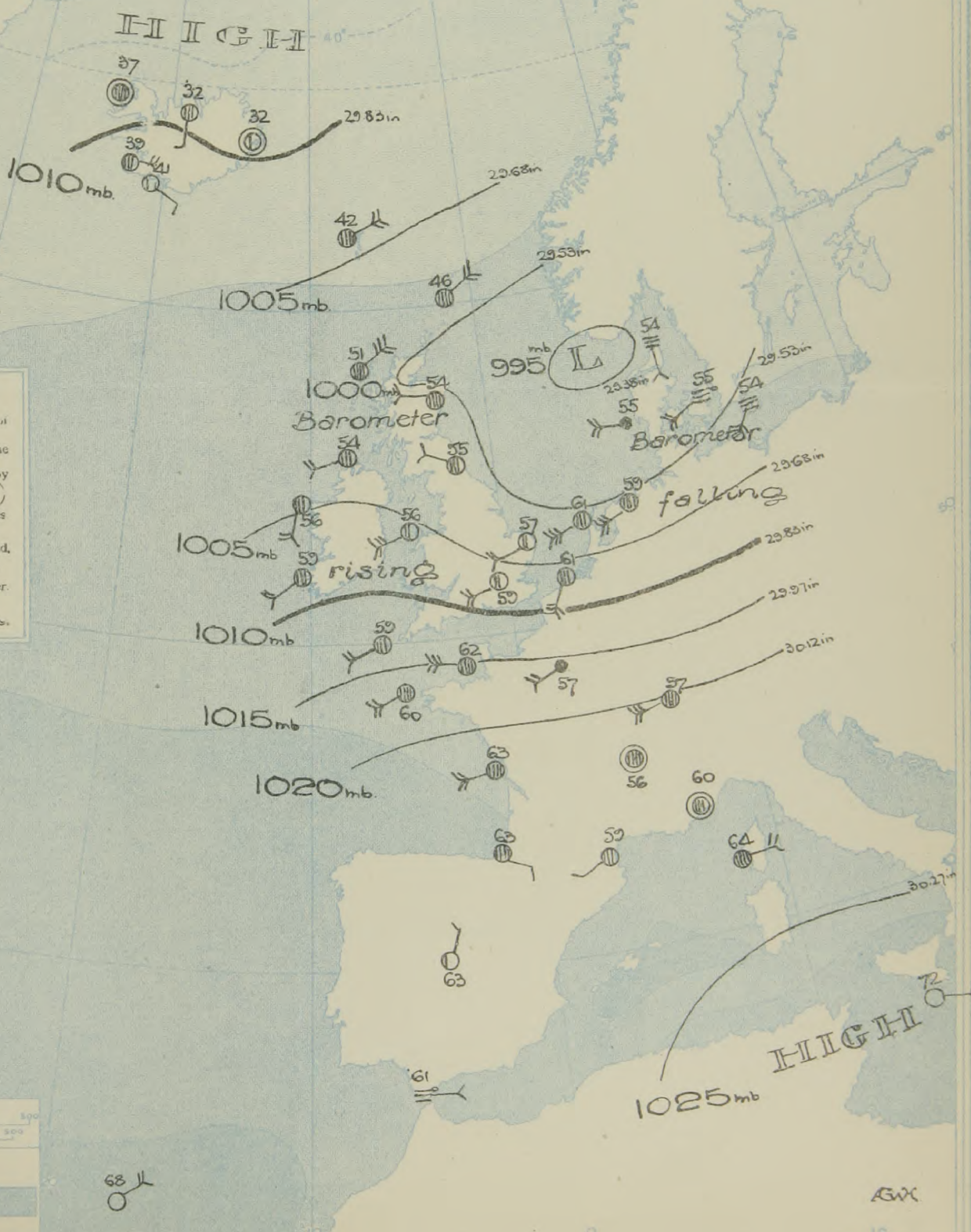
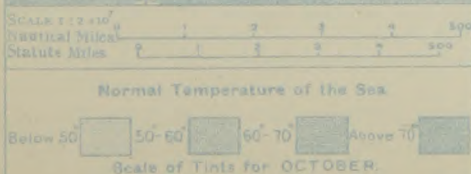
There are indications of the approach of another depression from the Atlantic which will cause a continuance of the unsettled conditions.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

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



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.				PAST 24 HOURS.				MORNING.			
	Barom. Multi-bars at M.S.L.	Temp.	Wind.	Weather.	Barometer.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Wind.	Force 0-12.	Weather.	Rain-fall. Millimetres.	Temp.	Max.	Min.	Temp.
RUSSIA 7 a.m. and 9 p.m. Local Time.		F.				F.	F.							F.	F.	
MEDITERRANEAN.																
SWEDEN.																

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-1h.	Day. 1h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 12h-1h.	Day. 1h-12h.	Max.	Min.	Forenoon.	Afternoon.	
Scotland.								England, E.							
Eng. N.E.								England, S.E.							
Eng. N.W.								England, S.W.							
Midlands.								England, S.W.							
Wales.								England, S.W.							

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 October, 1916.	Sunrise.		Noon.		Sunset.	
	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6.2	11.42	5.31	5.18	5.18	5.18
Greenwich	6.9	11.49	5.29	5.26	5.26	5.26
Wick	6.28	12.1	5.34	5.31	5.31	5.31
Valencia	6.49	12.30	6.10	6.7	6.7	6.7

NOTES ON YESTERDAY'S WEATHER.

Rain again fell generally, heavily in some places. Sunshine was scanty, but temperatures were above the normal.

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, 1916. No. 280

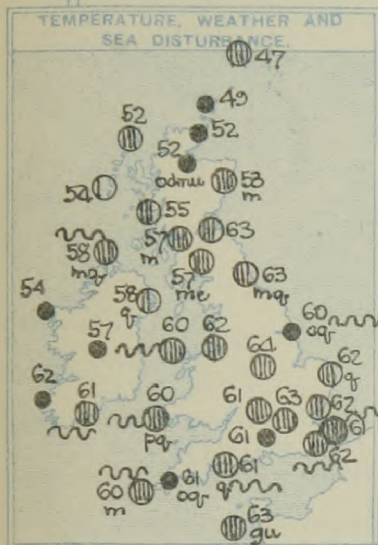
Friday
6th October

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 5 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 ...	10049	47	NE	4	C.	9989	-3	47	+1	ENE	4	0	4	49	46	0	C	C.O.	*		
	Deerness (Orkney) ...	10047	47	E	2	O.	9956	*	49	+2	E	4	0	4	49	47	dm.o	0	or	0.0		
	Stornoway ...	10021	52	S	1	C	9935	-2	52	+1	ENE	3	0	4	55	51	0	opm.c	opc	0.0		
	Castlebay (Barraisd.) ...	?	54	E	3	Op	9917	-1	54	+2	N	4	W	4	56	52	pm.bco	op	op.b	1.7		
	Glasgow ...	10052	55	SW	1	omg	9921	-1	57	+5	SW	5	0	4	60	52	om	omdp	ompro	0.0		
	Eskdalemuir ...	10066	54	SSW	2	C	9937	-3	57	+4	SSW	6	0	4	58	52	c.o	ac	corom	0.9		
	Malin Head ...	10066	58	ESE	3	cg	9913	+2	58	+4	SW	6	0	4	61	55	bc	cp	omd	0.5		
	Blacksod Point ...	9947	56	E	3	omr	9944	-2	54	-2	0	0	0	3	61	53	cm	omr	omrom	*		
	Valencia ...	9992	63	S	6	O	9922	-8	62	+3	S	5	0	4	63	59	c.or	or	or	0.0		
	Roche's Point ...	10037	60	SW	5	rm.	9971	*	61	+3	SW	6	0	4	61	58	ofd	frim	orom	*		
	Birr Castle ...	9985	61	S	3	r	9936	*	57	0	SE	1	0	4	65	56	c	c.or	or	1.4		
	Donaghadee ...	10039	56	S	2	opm	9941	+2	58	+3	SW	6	0	4	64	54	cg	cgm	omrbc	*		
	Liverpool (Bidston) ...	10083	59	S	2	O	10009	-1	62	+6	SSW	3	0	4	64	56	cg	o.c	or	0.5		
	Holyhead ...	10080	58	S	5	Opf	9986	-1	60	+4	SW	7	0	4	62	56	c.obop	bc.op	oradm	3.1		
	Pembroke (St. Ann's) ...	10084	58	SSW	4	r	10025	-2	60	+2	S	7	0	4	60	58	bc.c	ofr	ogp	0.4		
	Scilly (St. Mary's) ...	10122	60	SW	5	om	10064	-3	60	+1	SW	6	SW	6	61	58	omr	op	omomd	0.0		
	Falmouth ...	10126	61	SW	5	omeq	10083	-2	61	+2	SSW	7	0	4	63	59	og	oromg	omgog	0.2		
	Jersey (St. Aubin) ...	10170	62	SW	3	ogp	10153	*	63	+1	SW	4	0	4	64	61	agr	ogp	ogrog	0.0		
	Portland Bill ...	10133	60	SW	4	odm	10106	-1	61	0	SW	7	SW	5	62	59	oc	orm	orc	*		
	Dungeness ...	10137	61	WSW	4	bc	10115	-1	62	+2	SW	6	SW	5	66	59	bc	bc	c.opcg	*		
	Dover ...	10146	59	SW	3	CZ	10125	0	61	+1	SW	7	SW	6	67	58	bc.b	b.b.c	c.zopr	7.3		
Wick ...	10045	48	E	3	O	9952	-5	52	+2	E	3	0	4	52	47	ompcl	ompcl	geomr	*			
Nairn ...	10034	51	E	1	dm	9922	*	52	-2	E	2	0	4	54	49	d.o	ome	drom	0.0			
Aberdeen ...	10043	54	0	0	omp	9914	-7	53	-1	E	2	0	4	59	53	omp	omp	ompr	0.0			
Leith ...	10048	57	WSW	1	O	9919	-1	63	+9	SW	4	SW	3	17	63	53	c.b.c	c.b.c	o.orc	*		
Tynemouth ...	10067	58	0	0	bcm	9954	-1	63	+8	SW	3	W	4	63	53	cm	bcm	omgr	*			
Spurn Head ...	10097	59	WSW	2	cm	10023	-1	60	+3	SW	5	0	4	62	56	cg	cm	or	0.0			
Yarmouth ...	10115	59	SW	2	bc	10070	-3	62	+5	WSW	6	0	4	67	56	bcg	bcg	bcormr	5.0			
Clacton-on-Sea ...	10127	60	WSW	3	C	10099	0	62	+3	SW	5	W	4	67	58	bc	bc.c	corog	0.2			
Nottingham ...	10055	60	WSW	2	C	10034	*	64	+5	SW	6	SW	2	65	57	o.c	c	c.or	2.0			
Benson (Oxon.) ...	10125	60	SSW	1	O	10086	0	61	+3	SW	5	0	4	67	57	bc	bc	or.or	*			
Sth Farnborough ...	10129	61	SSW	4	O	10096	-1	61	+3	SW	6	0	4	68	59	o.c	o.c	ac.or	5.2			
London (Kew Obsy.) ...	10136	62	SW	2	C	10098	-2	63	+4	SW	6	0	4	68	60	bc.cbc	bc.c.o	oodoro	6.0			
NORTHERN EUROPE.	Spitsbergen ...	10050	14	E	2	b	10029	0	21	+11	W	6	0	*	16	5	UPPER AIR. South Farnborough. Pilot Balloon Ascent at					
	Vardø ...	10040	32	NW	4	O	10075	+2	37	+5	SW	3	0	*	32	28						
	Bodø ...	10115	30	E	2	b	10093	-1	30	-6	E	4	0	*	39	27						
	Christiansund ...	10053	41	0	0	b	10067	+1	39	-2	0	0	0	*	46	36						
	Skudenes ...	10043	52	NW	2	m	10027	-3	48	-4	S	5	0	*	54	46						
	Færder (X'aniafjord) ...	10073	45	NW	6	bc	10107	0	41	-4	E	2	0	1	3	45						41
	The Scaw (Skagen) ...	10019	46	NE	5	m	10096	+1	45	-9	E	2	0	2	12	55						45
	Blaavands Huk ...	10039	52	NNW	2	O	10092	-1	52	-3	SE	3	0	1	2	57						46
	Copenhagen ...	9984	55	WSW	4	r	10099	+5	50	-5	NNW	3	0	2	59	50						
	Bornholm ...	10012	55	SW	7	r	10080	+6	50	-4	NNW	3	0	1	57	48						
FRANCE, &c.	The Helder ...	10109	59	W	3	O	10087	-3	61	0	SW	6	0	4	61	57	GALES Duration and Extreme Force in British Islands. Valencia: 6 th Oct. W.S.W. 8 @ 1 h. Eskdalemuir: 6 th Oct. Gusts S.S.W. 19 m.p.s. Blacksod Point: 5 th Oct. S.S.W. 8. 19h-24h.					
	C. Gris Nez ...	10131	59	WSW	5	O	10132	0	61	+1	SW	7	0	7	63	59						
	La Hève ...	10151	61	WSW	5	O	10173	*	61	+2	SSW	5	0	5	66	55						
	Brest (St. Mathieu) ...	10184	59	SW	4	O	10160	0	60	0	SSW	6	0	4	63	59						
	Roche fort (Ile d'Aix) ...	10234	63	W	3	C	10221	0	57	-6	S	4	0	*	70	57						
	Biarritz ...	10239	64	ENE	2	b	10212	0	59	-4	SE	2	0	1	72	55						
	Paris ...	10190	61	SW	2	O	10206	+1	57	0	SSW	2	0	6	66	54						
	Belfort ...	10212	55	WSW	6	r	10253	*	55	-2	WSW	5	0	12	59	54						
	Lyon ...	10184	61	0	0	bc	10229	+3	68	+8	0	0	0	72	57							
	Nice ...	10235	64	NE	1	O	10239	0	57	-2	W	1	0	79	55							
Perpignan ...	10235	64	NE	1	O	10239	0	57	-2	W	1	0	79	55								
Sanguinaire ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*						
SOUTHERN STATIONS.	Corunna ...	10237	66	NW	3	b	10211	+1	66	+5	E	3	0	72	57	Vertical Component of Solar Radiation per square Centimetre during Yesterday. Total. Average Rate. Max. Rate. Joules. Milliwatts. Milliwatts. 691 16.9 53.5 Temperatures at Greenwich and Cam- den Square are from Glaisher screens.						
	Madrid ...	10237	66	NW	3	b	10211	+1	66	+5	E	3	0	72	57							
	Lisbon ...	10237	66	NW	3	b	10211	+1	66	+5	E	3	0	72	57							
	Azores (Horta) ...	10099	*	WSW	9	m	10099	*	*	*	*	*	*	*	*						*	
	Madeira ...	10233	77	NE	3	bc	10227	0	68	0	NE	3	0	77	68							
	Gibraltar ...	10230	68	SE	3	C	10233	*	68	+7	SE	4	0	75	60							
	Malta ...	10230	68	SE	3	C	10233	*	68	+7	SE	4	0	75	60							
	Limassol ...	10237	66	NW	3	b	10211	+1	66	+5	E	3	0	72	57							
	Alexandria ...	10195	70	N	5	b	10199	+3	70	-3	N	3	0	77	66							
	Cairo (Helwan) ...	10181	70	N	4	b	10189	+1	66	-4	N	2	0	82	59							
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.														
GREENWICH (Royal Observatory)	%	%	Hours.	F	F	F	mm.	Morn- ing.	After- noon.	Night.	Vertical Component of Solar Radiation per square Centimetre during Yesterday. Total. Average Rate. Max. Rate. Joules. Milliwatts. Milliwatts. 691 16.9 53.5 Temperatures at Greenwich and Cam- den Square are from Glaisher screens.											
CITY (Bunhill Row) ...	64	89	5.2	69	59	55	1	0.c.	0.c.	0.c.												
WESTMINSTER (St. James's Park) ...	63	82	-	69	60	56	2	bc	b.	bc.oroc												
CAMDEN SQ. (British Rainfall) ...	62	83	5.5	69	60	56	2	bc	b.o	*												
HAMPSTEAD (Reservoir) ...	*	88	4.3	66	57	48	2	bc.	bc.c	ood.c												
S. KENSINGTON (Museum Grounds) ...	*	88	5.9	68	60	57	1	bc	bc.c	o.or.o												
RICHMOND PARK ...	*	*	-	*	*	*	*	*	*	*												

SYNOPTIC CHART FOR THE MORNING OF FRIDAY, 6TH OCTOBER, 1916.

GENERAL INFERENCE.

A further fall of the barometer at Valencia indicates a continuance of strong winds and unsettled weather.



EXPLANATION.

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

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

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

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

SEA DISTURBANCE.—Rough. High.

LOW

990 mb

995 mb

1000 mb

1005 mb

1010 mb

1015 mb

1020 mb

Barometer

falling

Barometer

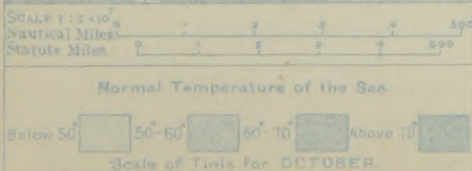
steady

Barometer

steady

HIGH

1025 mb



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.							PAST 24 HOURS.			MORNING.								
	Barom. Milli- bars at M.S.L.	WIND.			Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
		Temp.	Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.			
RUSSIA 7 am. and 9 p.m. Local Time.																								
Archangel ...	987.5	30	S	4	S									° F	° F	Isafjord ...	1010.3	37	-2	-	0	0		
Gorki ...	1017.9	?	NW	3	0	1014.9	*	32		SW	3	bc	-	*	30	Reykjavik	1009.1	39	-6	E	3	c		
Velieki Luki ...	1014.0	39	SE	5	0	1007.9	*	39		SSW	3	0	-	*	39	Vestmanna	1009.5	41	-2	ESE	1	b.		
Hangö ...	1001.3	46	W	1	0	999.5	+3	45		-	0	0	5	*	32	Seydisfjord	1010.6	32	-4	-	0	b.		
Riga ...	1010.7	45	SW	4	0	1003.7	+2	44		SW	4	0	3	*	41	Thorshavn	1006.7	42	-2	ENE	4	0		
Petrograd ...	1001.2	41	SW	4	0	997.7	-1	43	+13	W	3	r	4	43	30									
Moscow ...	1017.3	32	WSW	2	b	1013.2	+1	45	+13	SW	3	bc	-	*	30									
Kiev ...														*										
Kharkov ...														*										
Kishinev ...														*										
Elisabetgrad ...														*										
Nicolaiev ...							*							*										
Odessa ...							*							*										
Tarkhankout...							*							*										
Soukhoun ...							*							*										
MEDITERRANEAN.																								
Venice ...	1024.7	63.	-	0	b	1022.0	*	57	+5	NE	1	0	Trace	66	52									
Pesaro ...	1024.6	61	-	0	b	1022.8	*	63	+2	SW	1	0	-	73	61									
Rome ...	1024.4	61	-	0	b.	1024.9	*	57	0	N	1	c	-	73	54									
Viesti ...	1024.4	61	NW	1	b.	1025.6	*	63	+2	-	0	b	-	69	57									
Brindisi ...	1024.4	64	N	2	b	1024.0	*	57	-7	NW	1	b	-	70	57									
Cagliari ...	1021.6	72.	SE	3	b	1023.1	*	59	-2	NW	3	b	-	75	48									
Palermo ...	1023.1	68	-	0	bc	1025.0	*	68	0	-	0	b	-	77	50									
Tripoli ...							*																	
Algiers ...	1021.5	70	-	0	c	1022.1	+3	66	-2	-	0	bc	-	79	64									
SWEDEN.																								
Hernösand ...	996.7	46	-	0	0	1004.6	*	36	-7	NNW	2	b	*	*	*									
Stockholm ...	1002.0	45	SW	2	r	1001.5	*	45	+4	NNE	2	0	*	*	*									
Wisby ...	1007.0	48	SW	2	r	999.7	*	52	+6	-	0	r	*	*	*									
HOURS OF OBSERVATION G.M.T.																								
																	Morning.		Evening.					
																	h.	h.						
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. 1st-9h.	Day. 9h-1st h.	Max.	Min.	Forenoon.	Afternoon.	
Scotland.	{ Oban	3	-	56	52	o	o	Hc.
	{ Banff	0·3	2	54	48	op	op	0·0
	{ Montrose	2	-	65	54	bc	bc	3·7
	{ Carnoustie	*	*					
	{ St. Andrews... ..	-	-	62	51	bc	c	2·2
Eng. N.E.	{ Harrogate	1	-	60	56	c bc	bc c.	3·1
	{ Skegness	2	-	65	55	r o c	c bc o	4·4
Eng. N.W.	{ Morecambe	2	1	59	56			0·5
	{ Southport	1	-	61	56	o c	o bc o c	1·8
Midlands.	{ Leamington Spa	-	-	66	56	b bc	b bc	5·2
	{ Malvern	-	-	65	56	bc	bc c	4·0
	{ Ross-on-Wye	1	0·1	66	55	c bc	bc c	3·4
Wales.	{ Rhyl	1	-	64	56	c op	bc c	2·6
	{ Colwyn Bay... ..	*	*	64	57	bc	bc	3·4
	{ Llandudno	*	*	63	57	c	c	1·4
	{ Aberystwyth	*	*	62	59	o c b	c o	1·0
	{ Tenby	-	1	63	59	bc c	bc or	0·4
England, E.	{ Lowestoft	-	0·1	67	57	op c	c o c	4·7
	{ Felixstowe	-	-	67	58	bc	bc c	4·8
	{ Walton-on-Naze	-	-	67	58	b	b bc	6·7
	{ Southend-on-Sea	0·3	-	68	58	bc c	bc c o	5·2
England, S.E.	{ Margate	-	-	67	58	b	c bc c	6·1
	{ Ramsgate	-	-	66	56	bc	bc	5·1
	{ Hastings	0·4	-	66	58	op bc	bc o	4·3
	{ Eastbourne	1	-	64	60	bc	bc o	3·9
	{ Seaford	*	*	63	60	bc	bc o	5·4
	{ Brighton	-	-	64	60	c	c b o	5·6
	{ Worthing	-	-	66	59	bc	bc c	5·3
	{ Littlehampton	-	-	65	60	b bc o	bc o	4·5
	{ Bognor	*	*	65	60	bc	bc or	4·6
	{ Bournemouth	0·3	0·3	65	58	c	c or	2·0
England, S.W.	{ Weymouth... ..	*	*	67	59	bc b	bc op	2·6
	{ Torquay	1	0·4	65	60	c	c op	0·9
	{ Paignton	*	*					
	{ Penzance	2	3	64	60	c or	or	0·0
	{ Newquay	-	3	63	59	cd r c	c	0·7
	{ Bude	-	1	63	58	o	o	0·3
	{ Ilfracombe	0·1	1	63	58	c	cr	0·0
	{ Weston-s-Mare	3	-	64	57	bc b	b bc c	3·3

NOTES ON YESTERDAY'S WEATHER.

Heavy rain fell at many stations, 36 mm. at Valencia, 28 mm. at Glasgow. Moderate sunshine was experienced in the East and South-East of England, but in other districts there was little or none. Temperature was very mild in the South-East.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW.						
Sat. & Sun. October, 1916.			Sunrise.	Noon.	Sunset.	
			G. M. T.	G. M. T.	G. M. T.	
Yarmouth	...	... {	6 4 6 6	11 44 11 44	5 18 5 16
Greenwich	...	... {	6 10 6 12	11 48 11 48	5 26 5 24
Wick	...	... {	6 30 6 32	12 0 12 0	5 31 5 28
Valencia	...	... {	6 51 6 53	12 29 12 29	6 7 6 5

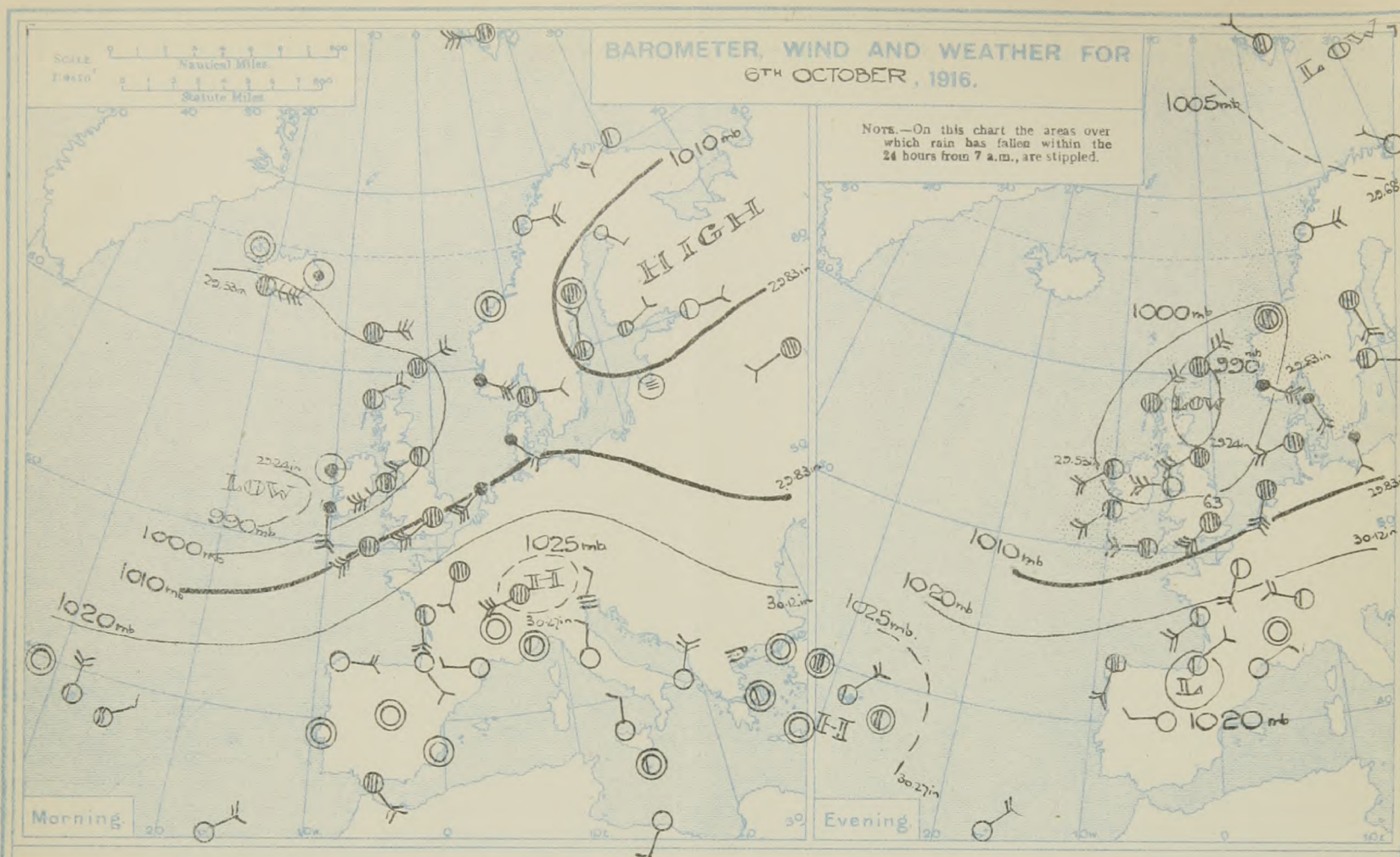
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; 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, 1916. No. 281

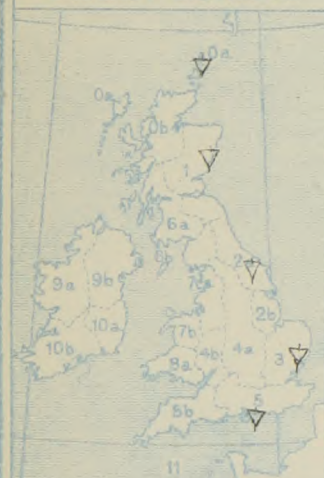
Saturday
7th October

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.			
			Direc.	Force 0-12		Milli- bars at M.S.L.	Change in 2 hours.	Dry Bulb. F.	Change in 24 hours.	Direc.	Force 0-12					Max.	Min.	Morning.	Afternoon.	Night.	
Lerwick ...	989.9	50	NE	5	om.	988.7	0	48	+1	NNE	5	-	om	5	3	50	46	or	om.	om.	*
Deerness (Orkney) ...	989.8	51	N	5	o.	989.5	*	49	0	NNE	2	-	oge	2	1	51	49	rd.f	fmo.	oe	0.0
Stornoway ...	992.6	52	NE	4	o.	991.0	+2	49	-3	NE	1	-	o	1	-	54	49	o	o	o	0.7
Castlebay (Barra Isd.) ...	993.7	53	WNW	2	o.	991.3	0	53	-4	W	2	-	c	1	7	57	50	b.o.	o.bco.	obc.c	2.4
Glasgow ...	992.1	53	W	4	c	993.5	0	50	-7	SW	4	W	og	*	12	57	49	omg.p.	omr.o	coq.p	0.0
Eskdalemuir ...	993.0	53	SW	6	c	995.1	0	49	-8	SW	6	-	org	*	16	58	47	omeor	ormcv	ocorg	0.0
Malin Head ...	994.5	55	W	5	cg	989.5	-3	50	-8	SW	5	SW	cmg.p.	5	13	58	50	omr.p	cg	cmg.p	1.4
Blacksod Point ...	995.1	56	SW	4	bc	994.2	+12	53	-1	WNW	7	NW	omg.p.	6	21	58	50	omr	b.cq.p	orcq.p	*
Valencia ...	1001.1	56	SW	4	bc	1004.5	+2	57	-5	SW	6	W	cg	5	3	63	52	opc	c.bcp	bclep	2.7
Roche's Point ...	1002.4	59	SW	4	o.	1004.8	*	55	-6	WSW	4	NW	b	5	1	64	52	od.bc	b.c.o	b.cpl	*
Birr Castle ...	999.1	58	SW	1	c	998.1	*	55	-2	SW	4	-	c	*	4	67	49	orcp	cp	cq.p	3.6
Donaghadee ...	996.7	56	W	4	cmg	994.9	-2	51	-7	SW	4	SW	cgq	2	16	58	49	ofr	cmg	bcq.l	*
Liverpool (Bldston) ...	997.7	58	WSW	5	b	1000.8	-1	54	-8	SW	4	-	b	4	3	68	51	op	ogbc	cp.b	1.9
Holyhead ...	997.8	58	W	5	b	1000.3	-1	56	-4	SW	6	W	cgq	6	2	62	53	opodm	od.cbc	b.bco	1.0
Pembroke (St. Ann's) ...	1001.0	58	SW	5	b	1005.9	+1	57	-3	WSW	6	W	bcq	6	4	61	54	fer	fr.bc	bcq.p	1.0
Scilly (St. Mary's) ...	1008.2	59	W	4	c	1011.9	+1	57	-3	W	6	W	bcq	6	2	62	56	omd	omrcq	cg.bcg	0.4
Falmouth ...	1008.0	59	W	3	c	1011.5	+1	56	-5	WSW	5	-	b	*	6	62	53	ogdq	dgopq	cp.b	0.0
Jersey (St. Aubin) ...	1012.0	64	SSW	5	ogu	1014.9	*	59	-4	W	5	W	b	3	2	66	58	ogu	ogu.cu	ogu.p	0.2
Portland Bill ...	1006.5	62	SW	7	o.	1010.2	+2	59	-2	WSW	7	W	c	5	1	63	58	o	or	orc.b	*
Dungeness ...	1008.3	63	SW	5	c	1009.7	+2	58	-4	WSW	6	SW	bc	5	3	64	58	cg.p	c.c	bcq.b	*
Dover ...	1008.8	63	SW	7	r	1010.6	+3	54	-7	SW	3	SW	b	3	2	64	55	o	c.c	op.b	0.0
Wick ...	990.4	52	NNE	3	o	990.0	0	50	-2	NNE	1	-	r	4	2	52	48	omr	om.	omd	*
Nairn ...	990.2	52	E	1	mr	989.4	*	50	-2	ENE	1	-	ru	1	25	52	49	dm.o	dm	ord	0.0
Aberdeen ...	988.6	53	WNW	2	r	989.2	-1	51	-2	W	3	-	od	2	6	59	51	omfdo	omr	oro	0.0
Leith ...	990.7	56	SW	4	o	992.5	0	51	-12	SW	4	-	o	4	4	63	50	c.opo	r	obco	1.1
Tynemouth ...	990.9	63	SW	5	omg	996.0	0	52	-11	WSW	3	W	cm	3	1	65	49	omg	omg	cmf	*
Spurn Head ...	999.2	62	SW	6	o	1001.6	0	54	-6	W	6	-	bq	5	-	65	50	og	og	bcq	0.5
Yarmouth ...	1003.9	63	WSW	7	cg	1005.8	+2	55	-7	WSW	4	-	bcq	4	-	65	55	cg	cg	c.bcg	0.0
Clacton-on-Sea ...	1006.7	62	SSW	6	o	1008.6	+2	56	-6	WSW	3	SW	bc	3	-	63	56	og	og	ogbc	0.0
Nottingham ...	999.8	65	SW	5	c	1003.3	*	53	-11	W	4	-	b	*	2	65	52	op	of	c.b	0.0
Benson (Oxon.) ...	1004.4	63	SSW	4	o.	1009.6	+2	52	-9	SW	4	-	b	*	1	63	51	o	d	c.c.b	*
St. Farnborough ...	1005.7	62	SW	6	r	1009.2	+2	52	-9	SW	4	W	bc	*	1	68	52	or	od.or	o.b	0.0
London (Kew Obsy.) ...	1006.2	63	SW	6	odg	1009.4	+2	55	-6	SW	3	-	bc	*	0.3	64	54	odg	odg	odg	0.0
Spitsbergen ...	1003.0	18	NW	2	c	1003.9	0	16	-5	NNW	3	-	b	*	*	21	14	UPPER AIR. South Farnborough. Pilot Balloon Ascent at ... 7h. 1500 metres. W.S. 17 mps 1200 " " W. 17 " 900 " " W. 20 " 600 " " W.S. 21 " 300 " " WSW. 13 " Surface SW. 7 "			
Vardö ...	1004.4	25	NW	2	b	1003.1	-2	34	-3	N	3	-	s	5	*	34	25				
Bodö ...	1008.8	28	E	5	b	1003.3	-2	28	-2	E	4	-	b	2	-	34	25				
Christiansund ...	999.0	45	-	0	c	991.3	-2	46	+7	E	3	-	o	6	Trace	46	39				
Skudenes ...	991.1	52	ESE	6	r	984.2	0	52	+4	SSW	8	-	o	6	47	52	46				
Færder (Kjølshavn) ...	1000.3	45	ESE	6	r	989.3	+1	43	+2	NNW	2	-	m	2	25	45	41				
The Scaw (Skagen) ...	1002.3	50	SE	4	r	991.7	+1	54	+9	N	4	-	r	4	13	57	45				
Blaavands Huk ...	1002.0	57	WSW	4	o	998.4	+2	55	+3	WSW	4	-	b	5	14	59	50				
Copenhagen ...	1004.2	55	WSW	4	r	998.7	+1	59	+9	W	5	-	o	*	10	59	50				
Bornholm ...	1007.7	52	SSE	2	r	999.7	-2	55	+5	WSW	8	-	m	3	5	55	48				
The Helder ...	1005.9	61	SSW	7	o.	1004.8	0	57	-4	SW	7	-	c	4	-	63	57	GALES Duration and Extreme Force in British Islands Eskdalemuir: 6" Oct. Gusts. WNW 23 mps @ 4h. Portland Bill: 6" Oct. S.W. 8. 12h-18h. Kew: 6" Oct. Gust. SW. 19 mps. 14h-10m. Dover: 6" Oct. S.W. 9 @ 2h.			
C. Gris Nez ...	1007.8	60	S	7	r	1009.7	+5	59	-2	W	7	-	bc	7	Trace	63	59				
La Hève ...	1012.0	64	SW	6	o	1013.6	*	59	-2	SW	5	*	c	5	3	66	52				
Brest (St. Mathieu) ...	1013.0	61	SW	5	f	1017.5	+2	59	-1	W	4	*	bc	5	-	64	55				
Rochefort (Ile d'Aix) ...	1021.1	63	SW	4	b	1020.6	+1	63	+6	W	3	*	c	*	-	77	57				
Biarritz ...	1019.8	73	NE	2	b	1022.9	+1	66	+7	SE	2	*	o	2	-	81	64				
Paris ...	1016.8	63	S	2	b	1016.0	+2	61	+4	WSW	2	-	o	*	2	70	57				
Belfort ...	1022.6	61	W	3	b	1021.9	*	58	+3	W	3	*	c	*	-	70	54				
Lyons ...	1022.9	64	-	0	b	1023.0	*	51	-4	-	0	*	b	*	-	73	52				
Nice ...	1022.9	63	NE	1	b	1023.4	0	59	+2	W	1	-	c	*	-	73	57				
Perpignan ...	1022.9	73	S	1	c	1023.4	*	64	-1	E	2	-	bc	2	-	79	54				
Sanguinaire ...	*	73	S	1	c	*	*	64	-1	E	2	-	bc	2	-	79	54				
Corunna ...	1022.1	72	SSW	4	c	1026.6	+3	63	-3	-	0	-	b	1	1	79	57	Notes:- Vertical Component of Solar Radiation per square Centimetre during Yesterday. Total. Average Rate. Max. Rate. Joules. Milliwatts. Milliwatts. 206 5.1 28.0 Temperatures at Greenwich and Cam- den Square are from Glaisher screens.			
Madrid ...	1021.1	81	W	1	b	1025.5	+2	61	0	-	0	-	b	*	-	81	54				
Lisbon ...	1021.1	81	W	1	b	1025.5	+2	61	0	-	0	-	b	*	-	81	54				
Azores (Horta) ...	1025.7	*	NNE	3	b.	1025.7	+1	68	0	NE	3	-	b	3	-	79	68				
Madeira ...	1024.0	79	NE	3	b	1023.7	*	67	-1	E	2	*	c	1	-	73	65				
Gibraltar ...	1024.4	66	E	2	b	1024.0	+1	70	-2	WNW	1	-	b	0	-	77	66				
Malta ...	*	*	*	*	*	1015.0	0	68	-4	WNW	1	-	b	1	-	81	54				
Limassol ...	*	*	*	*	*	1018.3	0	70	0	NNE	4	N	b	3	-	77	66				
Alexandria ...	1019.9	70	NNE	3	bc	1017.0	+1	66	0	N	1	NW	b	*	-	76	66				
Cairo (Helwan) ...	1017.7	75	NE	3	b	1017.0	+1	66	0	N	1	NW	b	*	-	76	66				
LONDON OBSERVATIONS.		Humidity.		Sun- shine for Yester- day.	24 HOURS ENDED 9 h. TO-DAY.							SOUTH KENSINGTON.			Notes:-						
		15 h. Yester- day.	9 h. To- day.		TEMPERATURE.			Rain- fall.	WEATHER.												
GREENWICH (Royal Observatory)	89	73	0.0	0.0	Max.	Min.	Mean.		Morn- ing.	After- noon.	Night.										
CITY (Bunhill Row) ...	*	*	0.0	0.0	64	53	47	0.3	o	o	o.c.o.	Vertical Component of Solar Radiation per square Centimetre during Yesterday. Total. Average Rate. Max. Rate. Joules. Milliwatts. Milliwatts. 206 5.1 28.0 Temperatures at Greenwich and Cam- den Square are from Glaisher screens.									
WESTMINSTER (St. James's Park)	82	66	0.0	0.0	66	55	50	0.2	od	oe.d	bc.										
CAMPDEN SQ. (British Rainfall) ...	81	69	0.0	0.0	64	53	50	2	od	od.	*										
HAMPSTEAD (Reservoir) ...	*	74	0.0	0.0	62	50	39	2	od	bc	c										
S. KENSINGTON (Museum Grounds) ...	*	73																			



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

Signals hoisted yesterday.

Signals hoisted this morning.

South Cone

South Cone

North Cone

North Cone

South Cone hoisted yesterday at 3.15 a.m. in Dists 0, 1, 2, 3, & 5.

Western Channel and Bay 11

Moderate North-Easterly winds; dull, some rain, normal temperature.
Light or moderate winds of indefinite direction; unsettled, rainy; normal temperature.

Strong West or South-West winds, squally, fair generally, but some showers; normal temperature.

Light indefinite winds in north, moderate Westerly in south; unsettled, showery; normal temperature.

Same as Nos. 2 to 5.

Fresh or strong winds between West and South-West, rather rough sea; fair, but some showers.

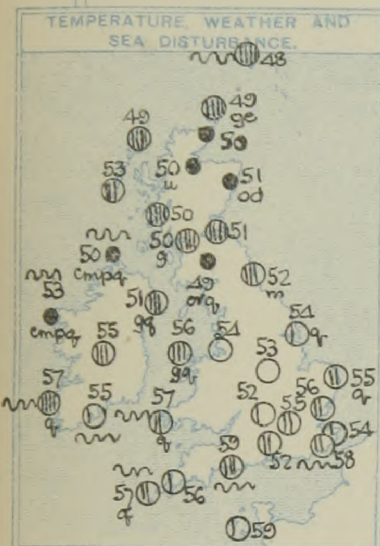
FURTHER OUTLOOK.

Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR THE MORNING OF SATURDAY, 7TH OCTOBER, 1916.

GENERAL INFERENCE.

There is likely to be little change in the conditions during the coming 24 hours.



EXPLANATION.

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

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

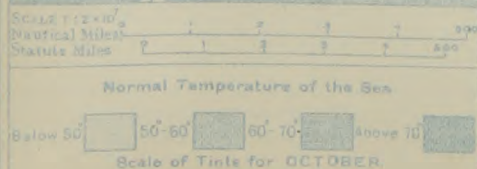
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

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

SEA DISTURBANCE.—Rough ~~~ High ~~~.

HIGH

LOW



3027 in

AWX

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. Milli- metres.	TEMP.		Barom. Millibars at M.S.L.	Temp. °F.
			Dir.	Force 0-12.			Dry Bulb. °F.	Change in 24 hours °F.					Max.	Min.		
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1001.6	32	N	6	c										
	Gorki ...															
	Veliki Luki ...	1006.0	45	S	1	r										
	Hangö ...	1007.0	39	-	0	bc										
	Riga ...	1003.4	48	-	0	r										
	Petrograd ...	1006.3	41	NE	3	bc										
	Moscow ...	1009.5	45	SW	2	o										
	Kiev ...															
	Kharkov ...															
	Kishinev ...															
MEDITERRANEAN.	Elisabetgrad ...															
	Nicolaiev ...															
	Odesa ...															
	Tarkhankout ...															
	Soukhoum ...															
	Venice ...	1020.4	59	-	0	c										
	Pesaro ...	1020.7	66	-	0	o										
	Rome ...	1022.7	66	-	0	o										
	Viesti ...	1021.9	66	-	0	c										
	Brindisi ...	1023.6	63	SE	2	b										
SWEDEN.	Cagliari ...															
	Palermo ...	1024.9	68	-	0	b										
	Tripoli ...	1024.0	73	SSW	1	b										
	Algiers ...															
	Hernösand ...															
ICELAND.	Isafjord ...	1005.2	32	-	0	b										
	Reykjavik ...	1000.8	37	-	0	bc										
	Vestmanna ...	999.4	43	-	0	c										
	Seydisfjord ...	1005.6	36	-	0	r										
	Thorshavn ...	1003.6	45	-	0	o										
Hours of Observation G.M.T.																
													Morning.		Evening.	
													h.		h.	
													7		18	
													7		18	
													7		18	
													7		17	
													7		18	
													7		18	
													7		20	
													6		18	
													7		16	
													8		16	
													7		21	
													8		17	
													7		21	
													8		—	
													6		—	

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

STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	
	Night. 1st-6h.	Day. 6h-18h.	Max.	Min.	Forenoon.	Afternoon.		
Scotland.	Oban	24	2	57	53	r o	o	0.0
	Banff	7	2	53	50	od	od or	0.0
	Montrose	12	3	59	54	"	"	0.0
	Carnoustie	*	*					
	St. Andrews	5	2	64	62	o	p	0.6
Eng. N.E.	Harrogate	17	0.4	65	55	c.bcf	cf. bc	0.5
	Skegness	7	-	64	56	og	ogd	0.0
Eng. N.W.	Morecambe	17	1	64	56	-	-	0.5
	Southport	14	1	67	58	o c	or. c	1.1
Midlands.	Leamington Spa	17	2	65	58	c. cf	cf	0.0
	Malvern	2	2	63	58	o. or	r. d. c	0.0
	Ross-on-Wye	2	5	63	59	r	r	0.2
Wales.	Rhyl	2	1	68	56	cf	cf bc	3.6
	Colwyn Bay	*	*	67	59	c	bc	4.4
	Llandudno	*	*	71	59	c	c. bc	3.5
	Aberystwyth	*	*	64	60	roc	c o	0.0
	Tenby	1	3	61	57	r	r. o	0.0
England, E.	Lowestoft	1	-	65	57	o	o	0.0
	Felixstowe	2	-	64	57	og	og	0.0
	Walton-on-Naze							
	Southend-on-Sea	0.3	-	64	58	o. c	o	0.0
England, S.E.	Margate	0.2	-	65	59	c	o	0.6
	Ramsgate	-	-	65	54	o	o	0.0
	Hastings	1	-	64	60	o. c. o	o	0.0
	Eastbourne	1	-	65	60	or o	og	0.0
	Seaford	*	*	64	60	o	o	0.0
	Brighton	1	-	64	61	o. c	o. c.	0.0
	Worthing	1	-	64	60	o	o	0.0
	Littlehampton	1	0.3	65	62	od	od	0.0
Bognor	*	*	64	60	or	or	0.0	
	Bournemouth	2	0.3	65	60	o	o	0.0
England, S.W.	Weymouth	*	*	63	60	o	of	0.0
	Torquay	2	1	62	61	od	od	0.0
	Paignton	*	*	62	56	od	od	0.0
	Penzance	1	2	63	61	omr	or. c	0.0
	Newquay	1	1	64	59	cd	c	0.0
	Bude	1	2	65	59	p	p	0.0
	Ilfracombe	2	3	65	59	r	r	0.0
	Weston-s-Mare	0.3	1	65	59	cr. c	cr. c	0.0

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

STATION.	7 th 10 th October, 1916.		
	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 6.6	G.M.T. 11.41	G.M.T. 5.16
	6.8	11.41	5.14
Greenwich ...	6.42	11.48	5.24
	6.14	11.48	5.22
Wick ...	6.32	12.0	5.38
	6.35	12.0	5.25
Valencia ...	6.53	12.29	6.5
	6.55	12.29	6.3

NOTES ON YESTERDAY'S WEATHER.

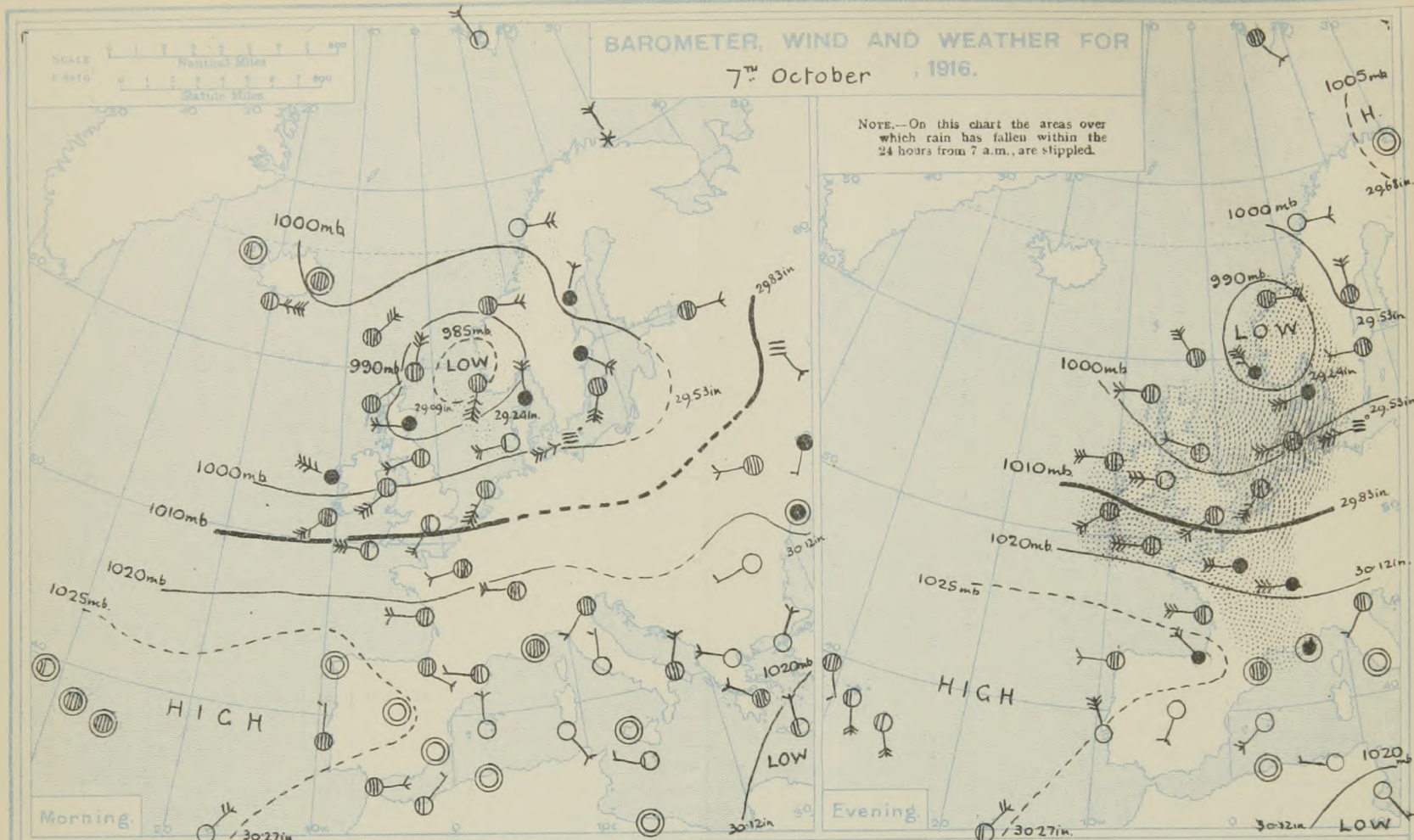
Rain again fell very generally, 25 mm. at Nairn. Some sunshine was measured in north Wales, but elsewhere there was little or none. Lightning was seen at several places in Ireland during the night.

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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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 282. Sunday, 13th October

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.	F.	F.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	992.5	45	NNW	5	om	998.2	+2	44	-4	NW	3	-	0	3	-	48	44	om	om	om	0.0	
	Deerness (Orkney)	995.9	47	HW	5	0	1001.0	-	50	+1	WNW	2	-	ou	1	-	51	44	0	0	0	0.0	
	Stornoway	998.4	51	W	3	c	1000.6	-2	51	+2	W	2	-	0	3	0.4	52	47	0	0.0	c. adp	1.0	
	Castlebay (Barra Isd.)	1001.1	51	WNW	4	0	1003.5	0	55	+2	W	3	W	om	3	2	56	50	b. c. p. c.	c. b. c.	c. c. w.	1.8	
	Glasgow	1000.0	52	W	3	c	1006.0	+2	50	0	SW	2	W	om	3	3	57	49	b. p. c. b. c.	c. b. c. c.	c. c. c. b.	2.9	
	Eskdalemuir	1006.1	51	W	4	c	1007.3	+2	50	+1	SW	2	-	or	3	6	55	48	or. q.	0. c. p.	b. c. c.	1.4	
	Malin Head	1001.5	55	NNW	6	b. c. q.	1005.9	+2	56	+6	WSW	4	W	b. c. m. y.	5	3	57	50	b. c. y. p.	b. c. y.	c. m. y.	4.2	
	Blacksod Point	1006.6	54	W	5	c. m. p.	1010.1	+2	56	+3	WSW	5	W	c. m. g.	5	6	57	51	c. y. p.	c. y. p.	om. c. m.	—	
	Valencia	1011.7	58	SW	4	0	1016.2	+2	59	+2	SW	4	W	0	4	6	60	52	or. q. b. c.	b. c. c. o.	0	3.3	
	Roche's Point	1012.7	57	WSW	3	c	1016.2	—	57	+2	WSW	2	-	0	3	1	64	54	c. y. q.	c	c. o.	—	
	Birr Castle	1009.8	53	WSW	1	c	1012.0	—	58	+3	W	2	-	0	3	7	58	52	c. y. p.	c. y. p. c.	c. o.	1.8	
	Donaghadee	1003.3	55	W	3	c. y. p.	1008.2	+3	56	+5	W	3	-	om	2	4	58	51	c. m. y. p.	b. c. q.	om. p. m.	—	
	Liverpool (Bidston)	1004.6	55	WSW	6	b. c.	1009.5	+1	57	+3	WSW	6	W	o. y.	5	2	60	52	c. y. p.	o. y.	o. y.	4.7	
	Holyhead	1005.6	56	W	6	b. q.	1011.4	+2	58	+2	WSW	5	-	o. y.	5	3	59	54	b. o. p. c. y.	b. c. b. c. y.	c. p. o.	2.4	
	Pembroke (St. Ann's)	1008.3	57	W	6	b. c.	1014.8	+1	58	+1	W	4	W	c. y.	4	2	58	55	b. c. p. q.	b. c. y. q.	b. c. y. q.	4.5	
	Scilly (St. Mary's)	1015.6	58	W	6	c. y. q.	1020.2	+1	58	+1	WNW	5	W	om. y.	6	3	61	54	c. y. p.	b. c. y. p.	c. y. c. om.	0.1	
	Falmouth	1015.7	58	WSW	6	b. c. y.	1019.5	+2	59	+3	W	4	-	0	3	1	61	54	c. y. q. y.	b. c. y. b. p.	c. p. c. o.	8.1	
	Jersey (St. Aubin)	1016.5	54	W	5	c. y. p.	1020.9	—	62	+3	WSW	6	-	c. y. p.	3	3	62	54	b. p. b. o. y.	b. c. o. y. p.	c. o. y. p.	3.8	
	Portland Bill	1011.0	59	W	7	b. c. y.	1016.0	+3	58	+1	WSW	6	W	c. y.	5	1	62	56	b. c. y. p.	b. c. y. p.	b. c. y. p.	—	
	Dungeness	1009.1	58	WSW	8	b. c.	1014.4	+1	59	+1	WSW	5	W	c	5	5	62	55	b. c.	b. c. y.	c. b. y. c.	—	
	Dover	1010.3	55	WSW	5	b.	1015.0	+1	56	+2	SW	4	SW	c	4	1	62	51	b. b. c.	b. c. p. b.	c. p. b. c.	6.5	
NORTHERN EUROPE.	Wick	997.2	49	NNW	1	0	1001.6	+2	45	-5	WSW	1	-	0	3	0.2	51	44	d. o. m.	om. g.	0	—	
	Nairn	997.7	49	NNW	1	ou	1001.8	—	48	-2	W	1	-	b. c.	2	8	54	45	r. d. o.	0. c. q.	c. b. c.	0.4	
	Aberdeen	997.0	52	NNW	2	0	1003.1	+1	48	-3	-	0	NNW	b	2	2	55	46	o. d. r.	o. p. c. o.	o. p. b. c.	0.1	
	Leith	997.6	54	W	3	c	1004.7	+2	53	+2	W	3	W	c	3	—	60	50	o. c. b. c.	b. c. b. c.	c. b. q. c.	—	
	Tynemouth	997.9	53	WNW	2	b. c. m.	1006.5	+2	53	+1	W	3	W	b. c.	3	1	58	51	c. m. p.	om. p.	b. c.	—	
	Spurn Head	1000.6	54	W	7	c. y. q.	1009.2	+1	54	0	SW	5	W	c. y. p.	6	1	62	51	b. c. y.	c. y. q.	c. y.	6.8	
	Yarmouth	1005.0	55	W	3	b. c.	1013.1	+4	51	-3	W	4	-	b. c. y.	3	1	62	50	b. c. y.	b. c. y. p.	b. c. y.	6.0	
	Clacton-on-Sea	1007.7	56	WSW	4	b. c.	1013.9	+2	55	-1	WSW	3	W	c	3	0.2	64	52	b. c.	b. c. p.	b. c. c.	6.8	
	Nottingham	1005.6	55	W	4	b. c.	1011.1	—	53	0	W	2	W	0	3	3	61	51	b. c.	c. p.	c. p. b. c.	6.6	
	Benson (Oxon.)	1008.6	55	SW	4	0	1014.3	0	56	+4	SW	3	-	0	3	0.3	60	51	b. c.	b. c. y.	b. c. o.	—	
FRANCE, &c.	Sth Farnborough	1009.9	54	WSW	4	c	1014.7	+1	57	+5	SW	4	-	0	3	1	64	51	b. b. c.	b. c. o. c.	c. o. b. c.	7.0	
	London (Kew Obsy.)	1009.3	56	WSW	4	c	1015.0	+1	56	+1	SW	3	-	0	3	0.1	62	53	b. b. c.	c. p. o. b. c.	c. p. o. c. o.	5.7	
	Spitsbergen	1003.3	16	SSE	2	0	1001.3	-1	10	-6	-	0	—	c	3	—	16	10	UPPER AIR. South Farnborough. Pilot Balloon Ascent at				
	Vardø	1005.1	28	-	0	b	1004.0	0	30	-4	W	1	—	m	2	—	36	25					
	Bodø	1002.3	30	E	2	b	1002.7	0	30	+2	E	2	-	b	2	—	36	27					
	Christiansund	987.0	46	E	5	0	993.2	+5	45	-1	E	2	-	r	2	5	48	43					
	Skudesnaes	987.3	48	NW	7	r	993.7	+3	48	-4	NNW	6	-	r	5	16	52	46					
	Færder (X'tania Fjord)	988.2	50	SW	5	0	993.7	+3	43	0	NNW	4	-	0	3	5	50	43					
	The Scaw (Skagen)	992.4	52	WSW	6	r	993.6	+1	50	-4	W	4	-	0	4	5	57	46					
	Blaavands Huk	999.1	55	WSW	6	0	1000.7	+5	52	-3	WNW	5	-	0	4	4	57	48					
SOUTHERN STATIONS.	Copenhagen	1001.2	55	WSW	3	c	997.7	0	55	-4	W	3	-	0	3	Trace	63	52					
	Bornholm	1002.4	55	WSW	7	m	998.4	-2	52	-3	WSW	7	-	r	2	Trace	57	48					
	The Helder	1003.5	59	SW	7	c	1009.6	+2	57	0	W	7	-	c	4	1	61	54					
	C. Gris Nez	1010.6	58	WSW	8	b. c.	1015.8	+3	60	+1	W	6	—	c	6	Trace	63	57					
	La Hève	1015.1	59	WSW	6	c	1019.9	—	59	0	WSW	5	—	0	6	1	63	54					
	Brest (St. Mathieu)	1020.7	59	NE	5	b. c.	1023.8	+2	59	0	W	3	—	m	5	—	61	57					
	Roche fort (Ile d'Aix)	1023.9	62	W	5	c	1026.9	0	60	-3	WSW	3	—	b. c.	3	—	75	59					
	Biarritz	1027.0	62	NW	3	r	1028.2	0	59	-7	SSW	2	—	c	2	2	72	59					
	Paris	1017.5	57	W	2	0	1021.5	+2	54	-7	SW	3	-	0	3	Trace	66	52					
	Belfort	1018.3	55	W	6	r	1026.0	—	51	-7	WSW	6	—	c	3	7	62	50					
SOUTH KENSINGTON.	Lyons	1021.3	63	SW	2	0	1028.3	—	50	-1	-	0	—	c	3	2	74	49					
	Nice	1022.1	59	-	0	r	1018.3	+3	61	0	-	0	—	b	0	Trace	64	54					
	Perpignan	1023.0	66	-	0	0	1026.9	+2	61	+2	NW	3	W	b	3	—	73	57					
	Sanguinaire	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
	Corunna	1028.4	64	W	2	c	1028.8	-1	54	-9	-	0	-	b	1	-	68	52					
	Madrid	1020.4	79	SSW	2	b	1022.4	+3	63	+2	NE	3	W	b. c.	3	-	81	59					
	Lisbon	1025.1	68	NNW	5	b	1023.4	0	61	-5	NNW	3	-	b	5	-	73	61					
	Azores (Horta)	1027.7	—	SE	4	b. c.	1026.3	+1	68	+2	WSW	4	—	0	2	4	73	68					
	Madeira	1025.2	77	NE	3	b. c.	1024.7	0	70	+2	NE	3	W	b. c.	3	-	79	70					
	Gibraltar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
LONDON OBSERVATIONS.	Malta	—	—	—	—	—	1021.6	0	68	-2	-	0	-	b	0	-	75	66					
	Limassol	—	—	—	—	—	1012.0	0	72	+4	-	0	-	b	1	-	77	54					
	Alexandria	1017.1	70	NZ	3	b	1015.8	0	70	0	N	4	N	b	3	-	79	68					
	Cairo (Helwan)	1016.3	68	NZ	3	b	1015.8	+2	64	-2	-	0	-	b	3	-	79	59					
	Greenwich (Royal Observatory)	66	89	Hours.	7.2	6.3	6.8	6.5	6.2	6.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4						
SOUTH KENSINGTON.	CITY (Bunhill Row)	63	88	6.8	6.5	5.3	4.8	—	bc. op	bc	oe. o	—	—	—	—	—	—						
	WESTMINSTER (St. James's Park)	52	89	5.9	6.5	5.2	4.9	Trace	c. b	bc. c	—	—	—	—	—	—	—						
	CAMDEN SQ. (British Rainfall)	—	92	6.2	6.2	5.0	3.8	0.3	0	bc. od	0	—	—	—	—	—	—						
	HAMPSTEAD (Reservoir)	—	88	6.5	6.4	5.4	5.0	0.1	c. bc	bc. p. q.	bc. y.	—	—	—	—	—							



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

Moderate Westerly winds; cloudy, some showers; normal temperature.

Fresh Westerly winds; cloudy, some showers; normal temperature.

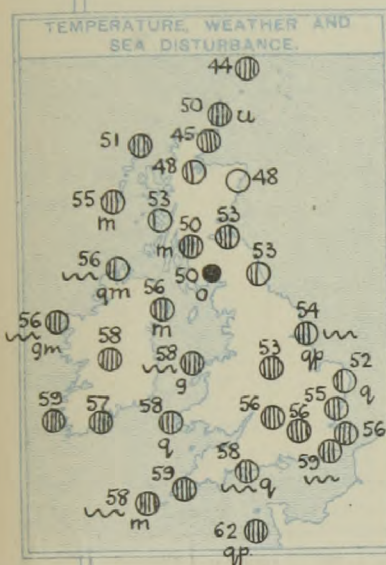
Same as Nos. 0 and 1.

Fresh Westerly or South-Westerly winds, strong at times on coast, cloudy, some mist, showery; normal temperature.


Fresh or strong winds between West and South-West; rather rough sea; cloudy, showery, some mist.

FURTHER OUTLOOK.

Present conditions are likely to continue without change.





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

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

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

WEATHER.—Shown by the following symbols:—
 ○ clear sky. ◐ sky $\frac{1}{2}$ clouded. ◑ sky $\frac{3}{4}$ clouded.
 ◒ sky $\frac{3}{4}$ clouded. ◓ overcast sky. ● rain falling.
 * snow. ▲ hail. ≡ fog. ° 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.	TEMP. ° F.	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. ° F.	Change in 24 hours. ° F.	Dir.	Force 0-12.		Weather.	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 ...	1012.0	30	NW	2	bc																
	Gorki ...	1012.0	50	SW	1	o																
	Veliki Luki ...						*															
	Hangö ...	1010.3	39	ESE	2	c																
	Riga ...	1007.8	52	-	0	o																
	Petrograd ...	1012.7	54	SSE	3	r																
	Moscow ...	1011.6	41	-	0	r																
	Kiev ...	1015.1	52	W	3	o	1015.8	0	52		SW	2	o	1	*	43						
	Kharkov ...	1019.0	54	SW	2	o	1017.7	0	48		SSW	1	r	1	*	48						
	Kishinev ...	1020.2	54	-	0	o	1022.1	+2	50		NW	2	bc	-	*	43						
MEDITERRANEAN.	Elisabetgrad ...	1018.9	55	WSE	2	c	1020.8	*	55		SSE	3	r	-	*	55						
	Nicolaiev ...	1019.8	55	S	2	c	1019.5	*	52		-	0	r	1	*	43						
	Odessa ...	1020.3	59	W	3	o	1019.9	0	54		-	0	o	-	*	52						
	Tarkhankout ...	1021.9	59	SSW	5	b		*					o		*							
	Soukhoun ...	1024.4	54	-	0	c	1022.1	*	52		-	0	bc	2	*	?						
	Venice ...	1023.9	61	-	0	b	1023.7	*	61	+4	-	0	o	-	66	59						
	Pesaro ...	1024.7	63	-	0	b	1024.2	*	62	-2	-	0	f	-	70	55						
	Rome ...	1024.6	66	-	0	b	1024.7	*	59	-6	-	1	b	-	75	57						
	Viesti ...	1023.6	63	-	0	b	1024.6	*	64	0	-	0	b	5	?	59						
	Brindisi ...	1023.1	66	NW	1	b	1023.9	*	69		NNE	3	c	-	69	66						
SWEDEN.	Cagliari ...	1025.0	23	SE	3	b	1024.9	*	60		SE	2	b	2	75	50						
	Palermo ...	1024.4	68	-	0	c	1024.2	*	72	+4	-	0	b	-	77	59						
	Tripoli ...	1023.9	73	ESE	1	b	1023.9	*	76	+4	-	0	b	-	75	59						
	Algiers ...	1023.0	70	NE	3	b	1021.7	+1	68		-	0	b	-	75	64						
	Hernösand ...	1008.0	41	SSE	4	o	1001.0	*	39	+7	NNE	2	r	*	*	*						
	Stockholm ...	1009.3	43	E	2	c	997.2	*	46	+7	SE	4	r	*	*	*						
	Wisby ...	1008.6	48	-	0	c	992.8	*	55	+9	SSW	6	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	-

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.	10h-12h.	F.	F.					1st-9h.	10h-12h.	F.	F.			
Scotland.	Oban	14	0.3	57	51	p	c	3.2	England, E.	Lowestoft					
	Banff	16	4	52	49	or	or	0.0		Felixstowe					
	Montrose	12	0.1	59	51	bc	c	0.8		Walton-on-Naze					
	Carnoustie	*	*							Southend-on-Sea					
	St. Andrews	*	*												
Eng. N.E.	Harrogate	0.4	5	59	49	bc cqp	cqp bc	6.0	England, S.E.	Margate					
	Skegness		0.3	62	52	b bc	p cg	7.5		Ramsgate					
										Hastings					
										Eastbourne					
										Seaford					
Eng. N.W.	Morecambe								England, S.W.	Brighton					
	Southport	3	4	60	50	o cg o	org c	3.3		Worthing					
										Littlehampton					
										Bognor					
										Bournemouth					
Midlands.	Leamington Spa	2	2	61	49	b bc	bcp	6.6	England, S.W.	Weymouth					
	Malvern									Torquay					
	Ross-on-Wye	3	2	60	52			4.6		Paignton					
										Penzance					
										Newquay					
Wales.	Rhyl								England, S.W.	Bude					
	Colwyn Bay									Ilfracombe					
	Llandudno									Weston-s-Mare					
	Aberystwyth														
	Tenby	3	5	63	54	bc op	r	5.3							

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

8th-9th October, 1916.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 6.8 S.H. 6.9	G.M.T. 11.41 S.H. 11.40	G.M.T. 5.14 S.H. 5.11
Greenwich	6.14 6.15	11.48 11.47	5.22 5.19
Wick	6.45 6.47	12.0 11.59	5.25 5.22
Valencia	6.55 6.56	12.29 12.28	6.3 6.0

PILOT BALLOON ASCENTS for the PAST WEEK.

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

STATION.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
Date 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.

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 283

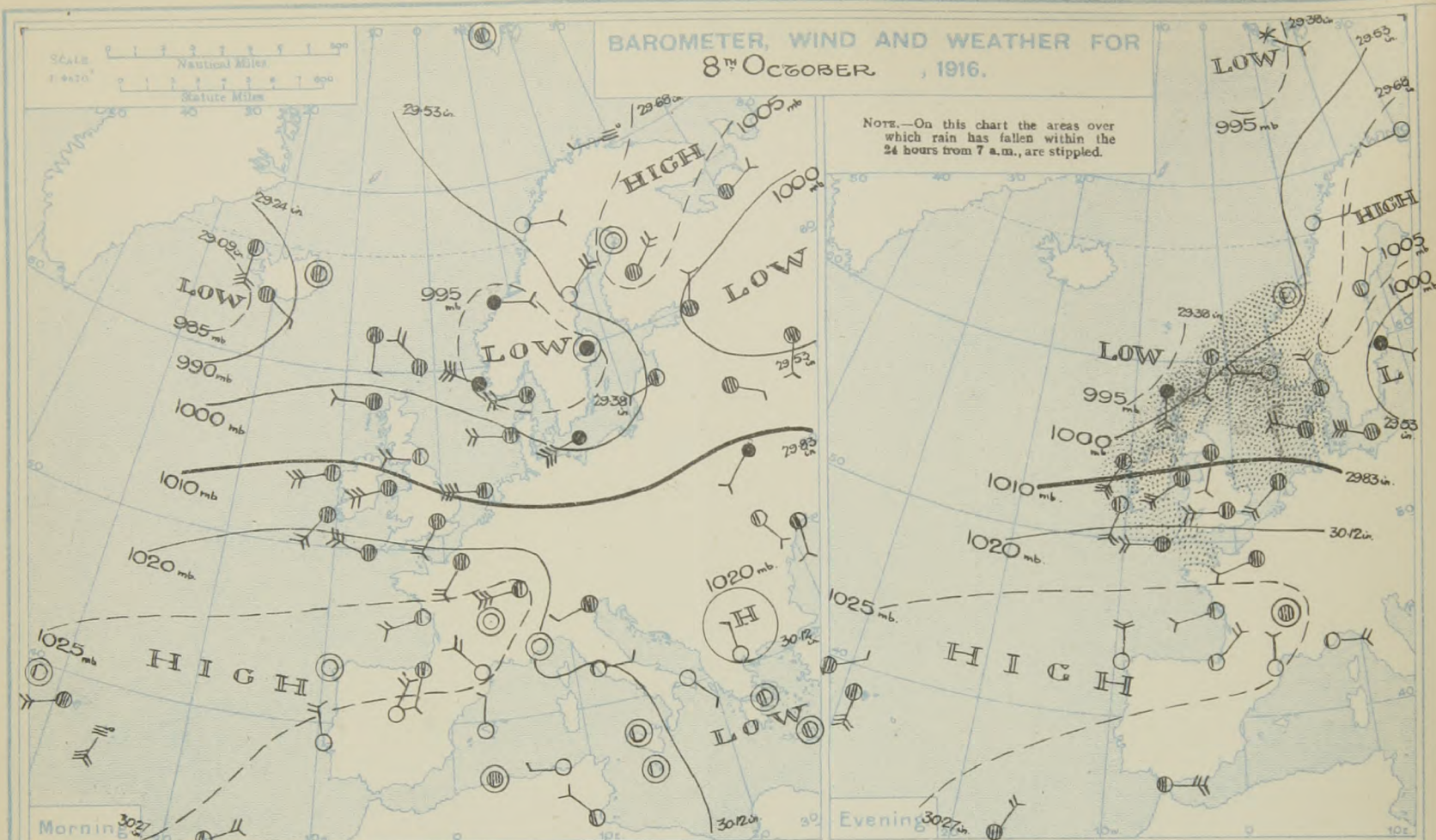
Monday
9th October

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.					
			Dir.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours.						Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	997.9	50	SSW	2	bcm	991.3	0	50	+6	W	4	-	c	4	9	52	44	o bc	bcm	ov. c	*
	Deerness (Orkney)	998.3	52	S	4	ot	994.6	*	50	0	W	4	W	sp.	4	3	54	45	o c	c. br.	sp. c	1-2
	Stornoway	995.4	58	S	6	ot	997.4	+4	50	-1	W	5	-	bcq	4	9	58	49	cdp c	c. otg	or bcq	1-5
	Castlebay (Harris Isd.)	1000.2	57	SSW	5	omp	1003.0	+5	50	-5	W	5	W	op.	5	2	58	51	c. omp	omp	sp. b. sp.	0-2
	Glasgow	1006.5	56	SW	4	omp	1005.1	+6	51	+1	SW	5	W	bc.	*	6	59	50	o c. bcq	cq. op. c	cq. c	3-8
	Esksdalemuir	1007.8	54	WSW	5	o	1007.3	+4	49	-1	SW	6	W	bc.	*	4	58	48	ov. o. c	o. c.	c. or bc	1-3
	Malin Head	1003.7	58	SSW	5	cmg	1005.3	+5	54	-2	WSW	6	SW	bcq	7	5	60	50	cmg	cmg	bcq	0-6
	Blackod Point	1005.2	58	SSW	6	cmg	1009.9	+3	53	-3	WSW	5	SW	cmg	6	2	60	51	cm	cm	cmg	*
	Valencia	1014.3	60	SSW	4	bc.	1015.9	+2	56	-3	SW	3	W	bc	4	1	62	56	o	o c.	c. o c	2
	Roche's Point	1016.3	59	WSW	3	b.	1016.0	*	54	-3	WSW	2	NW	bc.	3	0.2	62	54	o. c. om	om. c. b.	bc	*
	Birr Castle	1011.6	58	SW	2	o	1013.4	*	53	-5	SW	1	-	c.	*	1	61	52	o	o	sp. c	0-0
	Donaghadee	1008.5	58	SW	4	bcm	1009.4	+3	50	-6	WSW	3	W	bcm	2	1	62	50	cmg	cm. bcm	bcmg	*
	Liverpool (Bidston)	1012.8	59	SW	3	o	1011.7	+2	58	*	SW	4	W	bc	3	*	63	56	bc	o. c	bc.	4-5
	Holyhead	1013.0	58	SW	5	omg	1012.4	+2	56	-2	WSW	5	W	b.	5	Trace	62	56	om	o. c. om	o. c. lw	2-4
	Pembroke (St. Ann's)	1017.1	58	WSW	4	cq	1015.8	+1	57	-1	W	5	-	ogr	5	1	60	57	cq. c	cq. c	cq. c	0-6
NORTHERN EUROPE.	Scilly (St. Mary's)	1021.4	59	W	4	om	1020.5	0	58	0	W	4	W	bc.	5	0.2	61	57	cm. om	om	om. bc.	0-0
	Falmouth	1021.2	59	WSW	3	oz	1019.4	0	58	-1	SW	4	-	bc.	*	*	62	58	o. c. o	o. c. o	o. c.	0-2
	Jersey (St. Aubin)	1022.7	61	WSW	4	og	1022.1	*	60	-2	SW	3	-	o	3	Trace	63	60	og. c. og	og. c. og	o.	0-2
	Portland Bill	1019.4	60	WSW	5	og	1018.9	-1	60	+2	WSW	5	W	c	5	2	62	59	og	c	c.	*
	Dungeness	1017.8	60	WSW	4	c	1018.2	0	60	+1	SW	5	SW	cq	5	*	63	59	c. o. c	c.	bc. c	*
	Dover	1018.5	59	SW	4	bc.	1018.9	0	58	+2	SW	4	-	o	4	*	65	56	c. o. c	c. bc. b	bc. b	2-6
	Wick	999.2	53	SSW	3	o	996.3	+1	49	+4	WSW	3	-	c	3	0.1	57	45	og. cp	c. omp	omg. b.	*
	Nairn	999.7	57	W	4	o	998.6	*	49	+1	W	5	-	cq	3	3	59	47	sp. bc.	g. bc. c	g. sp. c	3-8
	Aberdeen	1003.2	55	S	3	b	999.9	+3	51	+3	WSW	4	-	b	2	1	62	47	b. bc	c. bc. b	bc. sp. c	5-1
	Leith	1005.1	58	W	2	c	1003.7	+2	53	0	SW	5	W	c	3	0.4	61	52	c. bc. c	c. sp. c	c. sp. c	*
	Tynemouth	1008.5	60	SW	2	ogm	1007.1	+3	55	+2	WNW	2	W	bc	3	*	62	53	bcmg	om	bc.	*
	Spurn Head	1012.2	59	W	5	bc	1011.2	-1	57	+3	WSW	4	-	bcq	4	Trace	63	52	bcq	bc.	bc.	1-7
	Yarmouth	1015.0	61	W	2	bc	1014.5	0	55	+3	WSW	4	-	bc	3	1	66	52	bcq	c. bc	c. bc	2-8
	Clacton-on-Sea	1016.8	60	WSW	3	c	1017.1	0	57	+2	SW	3	NW	bc	3	*	66	54	c. o.	m. bc. c	c. bc	2-1
	Nottingham	1014.2	60	W	3	c	1012.8	*	57	+4	SW	3	SW	op.	*	0.4	66	53	sp. c. b	bc. c	c. o.	3-1
Benson (Oxon.)	1017.9	57	SW	2	bc	1016.9	0	56	0	SW	4	-	b	*	*	65	55	bc	c.	c. b.	*	
St. Farnborough	1018.6	60	W	4	o	1017.5	0	56	-1	SW	4	SW	b	*	*	66	55	c. bc. c	o	o. bc. o. b	3-7	
London (Kew Obsy.)	1018.4	61	WSW	3	o	1018.1	+1	57	+1	SW	3	W	bc	*	*	65	56	o. c. o	o. c. o	o. c. o. b	3-2	
FRANCE, &c.	Spitsbergen	994.0	16	SSE	2	s	1004.0	0	18	+8	SE	2	*	s	*	18	12					
	Vardö	1006.3	30	W	1	b	1003.0	-3	28	-2	SW	2	-	c	2	*	30	25				
	Bodö	1003.5	34	E	1	b	998.0	-4	34	+4	E	5	-	b	2	*	26	32				
	Christiansund	997.3	48	-	0	b	993.0	-3	46	+1	SE	4	-	r	3	6	50	43				
	Skudesnaes	1004.0	46	W	3	c	995.9	-3	52	+4	S	8	-	f	5	7	50	45				
	Færder (X'ania Fjord)	1005.5	43	NNE	5	o	1004.6	-3	46	+3	SSE	4	-	o	2	1	45	41				
	The Scaw (Skagen)	1002.9	46	NNW	4	c	1005.9	-1	50	0	S	2	-	o	2	1	52	45				
	Blaavands Huk	1008.6	52	NW	3	o	1008.4	0	55	+3	W	3	-	o	3	Trace	57	50				
	Copenhagen	1004.8	52	WNW	4	o	1009.9	0	50	-5	WSW	3	-	m	*	*	54	48				
	Bornholm	1003.4	52	WNW	7	o	1009.9	+3	50	-2	NW	4	-	m	1	2	54	46				
	The Helder	1013.7	59	WSW	4	c	1014.3	0	61	+4	SW	6	-	o	4	Trace	61	57				
	C. Gris Nez	1019.4	60	WSW	7	o	1018.4	+1	60	0	WSW	5	*	c	5	*	63	59				
	La Hève	1021.6	60	WSW	5	o	1023.3	*	58	-1	WSW	4	*	o	5	1	61	54				
	Brest (St. Mathieu)	1025.1	59	SW	2	o	1023.3	0	59	0	WSW	5	*	o	3	*	61	57				
	Roche fort (Ile d'Aix)	1027.3	61	WSW	2	bc	1025.2	0	52	-8	E	2	*	p	3	Trace	58	52				
Biarritz	1025.3	62	NE	3	b	1023.0	-2	52	-7	E	1	*	f	3	*	70	52					
Paris	1023.9	61	WSW	2	o	1024.2	0	57	+3	SSW	1	-	o	*	*	64	54					
Belfort	1027.4	58	-	0	o	1027.3	*	53	+3	-	0	*	b	*	*	66	48					
Lyons	1020.7	62	E	3	b	1023.3	+2	65	+4	E	1	*	b	1	*	73	55					
Nice	1025.5	64	N	2	b	1023.9	0	52	-9	SW	1	-	b	*	*	73	50					
Perpignan	*	65	W	3	b	*	*	64	*	E	3	*	b	4	*	72	52					
Sanguinaire	*	65	W	3	b	*	*	64	*	E	3	*	b	4	*	72	52					
SOUTHERN STATIONS.	Corunna	1025.2	63	N	4	b.	1023.3	-1	54	0	-	-	-	b.	2	-	63	50				
	Madrid	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	Lisbon	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	Azores (Horta)	1026.6	*	SSW	5	c	*	*	*	*	*	*	*	*	*	*	*	*				
	Madeira	1023.1	75	NE	3	o	1023.8	-2	66	-4	NE	3	-	o	3	-	77	66				
	Gibraltar	1022.3	70	E	5	c	1021.3	*	69	*	E	5	*	c	3	-	72	63				
	Malta	*	*	*	*	*	1020.2	+3	68	0	-	0	-	bc	0	-	75	64				
	Limassol	*	*	*	*	*	1015.1	+1	73	+1	-	0	-	b	1	-	81	55				
Alexandria	1016.6	72	N	3	bc	1016.7	0	72	+2	NNE	2	-	b	2	-	77	68					
Cairo (Helwan)	1015.3	72	N	3	b	1015.9	+1	64	0	N	2	-	b	*	*	77	59					
24 HOURS ENDED 9 h. TO-DAY.																						
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.				Rain- fall.	WEATHER.			SOUTH KENSINGTON.									
7.5 h. Yester- day.	9 h. To-day.	Max.	Min.		Min. on Grass.	Morn- ing.	After- noon.	Night.		Vertical Component of Solar Radiation per square Centimetre during Yesterday.												
GREENWICH (Royal Observatory)	% 73	% 78	Hours. 3.2	°F. 66	°F. 57	°F. 50	mm. -	o	o. c	c. bc. b	Total.	Average Rate.	Max. Rate.									
CITY (Bunhill Row)	% 73	% 78	3.0	66	57	50	-	o	o. c	c. bc. b	foules.	Milliwatts.	Milliwatts.									
WESTMINSTER (St. James's Park)	% 72	% 72	3.2	67	58	52	-	od. bc	bc	bc	438	10.9	40									
CAMDEN SQ. (British Rainfall)	% 76	% 76	3.4	68	56	52	Trace	-	-	*												
HAMPSTEAD (Reservoir)	% 82	% 82	?	63	54	41	-	bc	bc	bc												
S. KENSINGTON (Museum Grounds)	% 76	% 76	2.6	65	58	54	-	od. c	c. bc	c. b												
RICHMOND PARK	% 76	% 76	2.6	65	58	54	-	od. c	c. b	c. b												
Temperatures at Greenwich and Cam- den Square are from Glaisher screens.																						

UPPER AIR.
South Farnborough.
Pilot Balloon Ascent at 7.5 a.m. g.h.
1,050 metres W/S 17 metres per sec.
900 " W 17 " "
600 " W/S 17 " "
300 " SW/S 13 " "
Surface SW 6 " "
Aberdeen 8 a.m. g.h.

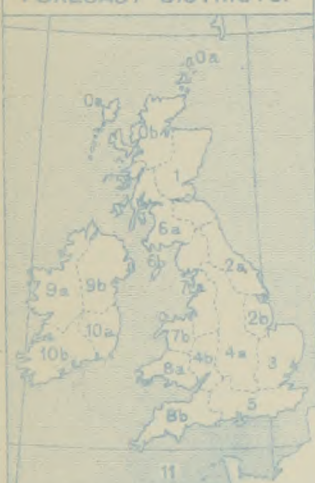
GALES
Duration and Extreme Force
in British Islands.
Glasgow
8th 10 p.m. - 9th early morning SW 8

LONDON OBSERVATIONS.	HUMIDITY.		Sun- shine for Yester- day Hours.	TEMPERATURE.			Rain- fall. mm.	WEATHER.			SOUTH KENSINGTON.		
	25 h. Yester- day.	9 h. To- day.		Max.	Min.	Min. on Grass.		Morn- ing.	After- noon.	Night.	Vertical Component of Solar Radiation per square Centimetre during Yesterday.		
	%	%		°F.	°F.	°F.					Total.	Average Rate.	Max. Rate.
GREENWICH (Royal Observatory)	73	78	3.2	66	57	50	*	o	o. c	c. bc. b.			
CITY (Bunhill Row)	*	*	3.0	66	57	50	*	o	o. c	bc			
WESTMINSTER (St. James's Park)	72	72	3.2	67	58	52	-	od. bc	bc	bc			
CAMDEN SQ. (British Rainfall)	-	76	3.4	68	56	52	Trace	-	-	*			
HAMPSTEAD (Reservoir)	*	82	?	63	54	41	-	bc	bc	bc			
S. KENSINGTON (Museum Grounds)	*	76	2.6	65	58	54	-	od. c	c. bc	c. b.			
RICHMOND PARK	*	*	*	*	*	*	*	*	*	*			
Temperatures at Greenwich and Cam- den Square are from Glaisher screens.													



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay 11

Fresh Westerly or South-Westerly winds, strong at times; fair weather generally, with some showers, especially in the north; temperature about normal.

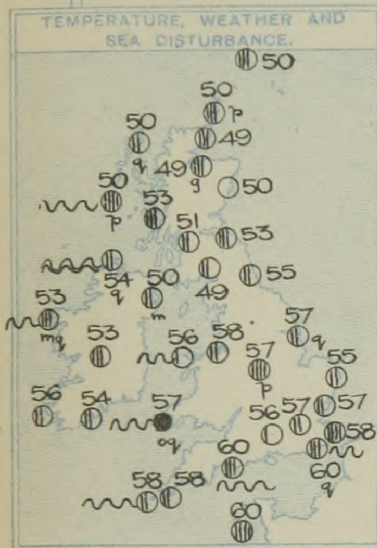
Moderate or fresh Westerly or South-Westerly winds and moderate sea; fair.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF Monday, 9th OCTOBER, 1916.

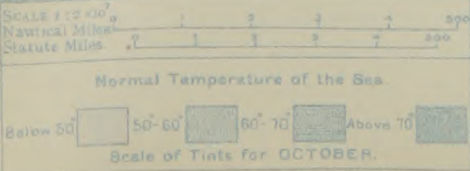
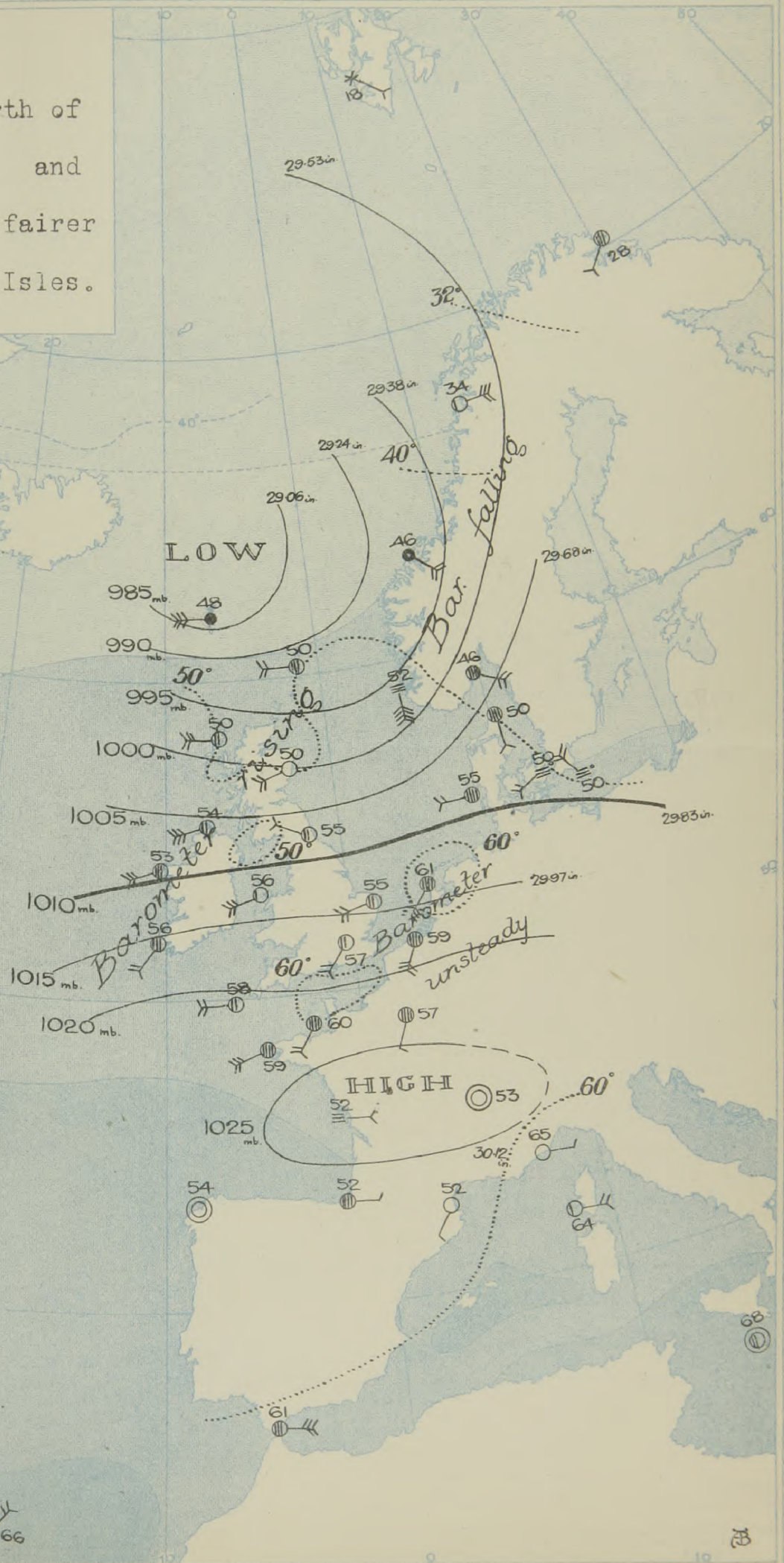
GENERAL INFERENCE.

The depression to the north of Scotland is moving eastward and there are some prospects of fairer 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 & clouded; ○ sky & clouded.
 ○ sky & clouded; ○ overcast sky; ● rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist. T. thunder.
 B, 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.		Weather.	Rain- fall. Milli- metres.	Temp.		ICELAND.	Barom. Milli- bars at M.S.L.	Temp.		Wind.		
			Temp.	Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.	Weather.
		°F.				°F.		°F.					°F.	°F.		°F.							
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1004.8	28	E	1	b	1003.8	+1	19	ENE	2	0	-	*	18	Isafjord ...	989.0	46	+12	S	6	c	
	Gorki ...	1002.6	54	SW	3	r	1003.0	0	52	ESE	1	0	5	*	48	Reykjavik ...	982.4	43	0	E	3	bc	
	Veliki Luki ...						1001.5	*	50	SW	3	0	5	*	50	Vestmanna ...	985.5	46	+3	SE	1	0	
	Hangö ...	993.6	30	SSE	3	r	998.4	+2	37	ESE	3	0	13	*	36	Seydisfjord ...	991.0	37	0	-	0	c	
	Riga ...	999.3	54	WSW	4	0	1000.8	+2	48	WSW	2	0	6	*	48	Thorshavn ...	998.5	41	-1	S	1	0	
	Petrograd ...	992.7	39	NE	4	r	998.9	+5	37	NNE	2	0	10	*	36								
	Moscow ...	1003.8	54	SSW	3	0	999.3	0	54	SW	2	0	4	*	52								
	Kiev ...	1013.3	55	SW	4	0	1010.7	-1	55	SW	2	0	1	*	45								
	Kharkov ...	1021.0	55	SSW	2	0	1013.1	+2	50	S	2	0	2	*	50								
	Kishinev ...	1016.7	59	S	3	b	1016.3	+2	50	S	2	bc	-	*	48								
MEDITERRANEAN.	Elisabetgrad ...	1016.2	54	WSW	1	c	1014.3	-1	57	SSW	2	0	-	*	54								
	Nicolaiev ...	1019.9	54	SW	2	b	1016.8	*	55	SSW	2	0	-	*	52								
	Odessa ...	1019.1	55	WSW	3	b	1017.0	-1	55	SW	3	0	-	*	54								
	Tarkhankout ...	1020.4	57	-	0	b	1019.4	*	59	NW	1	bc	-	*	55								
	Soukhoum ...	1019.4	59	-	0	0	1018.6	?	59	-	0	0	-	*	?								
	Venice ...	1020.7	64	-	0	c	1016.4	*	63	+2	WSW	1	0	-	66	British Isles ...							
	Pesaro ...	1021.0	63	-	0	b	1018.2	*	66	+5	SSE	1	b	-	70	France ...							
	Rome ...	1023.4	66	-	0	b	1020.9	*	61	+2	E	1	b	-	73	Norway ...							
	Viesti ...	1023.6	66	SSE	1	b	1016.9	*	64	0	-	0	b	-	70	Sweden ...							
	Brindisi ...	1019.4	66	-	0	b	1019.0	*	59	0	SSE	1	b	-	66	Denmark ...							
SWEDEN.	Cagliari ...						*									Italy ...							
	Palermo ...	1023.4	68	-	0	b	1021.7	*	70	-2	-	0	b	-	77	Egypt ...							
	Tripoli ...						*									Corunna ...							
	Algiers ...	1022.3	77	-	0	b	1022.7	+1	68	0	-	0	0	-	79	Madrid ...							
	Hernösand ...	1000.6	39	N	4	0	1002.3	*	37	-2	NE	4	b	*	*	Lisbon ...							
	Stockholm ...	998.1	50	W	2	0	994.6	*	48	+2	-	0	r	*	*	Azores ...							
	Wisby ...	996.8	55	SW	4	b	996.3	*	52	-3	SW	4	c	*	*	Madeira ...							
																Malta ...							
															Limassol ...								

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	1	0.3	58	50	b	bcp	2.7	England, E.	Lowestoft	-	-	67	51	bc c	bc	3.6
	Banff	2	-	60	45	bcp	bc.c	3.7		Felixstowe	-	-	67	51	bc c	bc	3.6
	Montrose	-	-	60	52	b	o	4.9		Walton-on-Naze	-	-	67	51	bc c	bc	3.6
	Carnoustie	x	x							Southend-on-Sea	-	-	67	51	bc c	bc	3.6
	St. Andrews																
Eng. N.E.	Harrogate	1	-	62	50	b bc	b.b.c.c	4.7	England, S.E.	Margate	-	-	66	50	o	bc	3.1
	Skegness	0.1	-	66	50	o.bc	bc.og	3.0		Ramsgate	-	-	65	53	bc o	bc o	1.3
Eng. N.W.	Morecambe			62	55	bc.c.o	o	3.3		Hastings	-	-	64	57	bc q	bc q	3.8
	Southport	4	-	62	55	bc.c.o	o	3.3		Eastbourne	-	-	64	57	bc q	bc q	3.8
Midlands.	Leamington Spa	0.2	-	64	50	c. bc	bc.c	1.5		Seaford	*	*					
	Malvern			64	50	c. bc	bc.c	1.5		Brighton	-	-	64	55	bc	c.bc	1.5
	Ross-on-Wye			64	50	c. bc	bc.c	1.5		Worthing	-	-	69	54	bc.o	bc.o	1.5
Wales.	Rhyl	1	-	63	54	bcp.o	v.o	3.4	England, S.W.	Littlehampton	-	-	69	54	bc.o	bc.o	1.5
	Colwyn Bay	*	*	62	54	bc	c	1.4		Bognor	*	*	65	57	bc	bc	2.1
	Llandudno	*	*	62	55	b	c	4.6		Bournemouth	-	-	64	54	bc	bc	4.5
	Aberystwyth	*	*	61	53	r o c	c.o	2.0		Weymouth	*	*					
	Tenby	*	*	61	53	r o c	c.o	2.0		Torquay	0.2	-	64	57	o	c.o	0.3
										Paignton	*	*					
									Penzance	*	*						
									Newquay	0.3	-	66	53	c	c	0.0	
									Bude	0.6	-	61	50	o	o	0.0	
									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.

9 th to 10 th October, 1916.			
	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 6.11	G.M.T. 11.40	G.M.T. 5.9
Greenwich ...	6.15	11.47	5.19
Wick ...	6.37	11.59	5.19
Valencia ...	6.58	12.28	5.58

NOTES ON YESTERDAY'S WEATHER.

Showery weather was experienced in the north-west, but elsewhere there was little precipitation, though sunshine measurements were not large. Temperature was rather above the normal.

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, 1916. No. 284

Tuesday
10th October

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 3 hours.	Dry Bulb. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.																						
Lerwick ...	995.9	50	W	5	bcg	997.8	0	48	-2	SW	4	-	bc	3	5	53	47	c bcg	bcg	bcg	*	
Deerness (Orkney) ...	999.6	49	WSW	7	cyp	998.6	*	50	0	S	4	-	oge	4	4	53	48	cp bc	bcg	ogp	3.5	
Stornoway ...	1003.1	49	WSW	6	bcg	993.6	-11	49	-1	S	6	-	org	5	7	55	47	bcg	bcg	bcg	6.0	
Castlebay (Barra Isd.) ...	1008.2	53	W	6	bc	994.0	-15	56	+6	SW	6	-	omp	6	9	55	50	op bcm	bcm bc	bc omp	7.3	
Glasgow ...	1011.1	50	WSW	3	c	1003.5	-8	49	-2	SSW	3	-	omr	*	4	55	48	bcg	bcg	bcg	2.9	
Eskdalemuir ...	1012.2	48	WSW	5	b	1006.8	-7	50	+1	SSW	6	-	omr	*	1	55	41	bc bc	bc	b bc o	8.6	
Malin Head ...	1010.0	55	W	6	bcg	997.5	-10	55	+1	SW	7	-	omr	6	3	56	50	bcg	d. bc	omr	5.7	
Blackod Point ...	1013.1	53	SSW	4	bc	1000.9	-1	57	+4	SSW	8	-	omr	6	4	58	50	bc	bc	bc omr	*	
Valencia ...	1017.0	55	SSW	2	bc	1011.2	-2	61	+5	SSW	5	-	o	4	0.4	61	51	bc bc	c bc	b bc o	6.1	
Roche's Point ...	1018.0	56	SW	2	c	1014.3	*	59	+5	WSW	4	-	o	4	0.2	64	54	bc c	bc c	bc om	*	
Birr Castle ...	1016.1	52	SW	1	c	1008.5	*	60	+7	SW	3	-	o	*	-	60	45	c	c	c o	6.4	
Donaghadee ...	1013.7	53	W	4	bcm	1005.0	-5	53	+3	S	5	-	omr	4	1	60	47	bcm	bcm	bcm om	*	
Liverpool (Bidston) ...	1016.2	59	SSW	3	b	1012.4	-2	55	-3	SSW	3	SW	bc	2	-	60	51	bc	b	b bc	6.2	
Holyhead ...	1015.9	56	SW	5	bc	1010.9	-3	58	+2	SW	6	SW	ogp	6	-	61	52	b o bc	bc c bc	bc	5.0	
Pembroke (St. Ann's) ...	1018.5	57	SW	3	c	1016.3	0	58	+1	SW	4	SW	ogp	4	1	60	55	og bc	bc	bc bcg	6.5	
Scilly (St. Mary's) ...	1020.9	59	WSW	3	om	1020.5	+1	58	0	WSW	4	W	om	5	2	61	57	omd	omd	omd om	0.9	
Falmouth ...	1020.6	55	WSW	5	omdg	1019.6	0	58	0	SW	5	-	o	*	2	62	58	cp	c o dm	c o	0.5	
Jersey (St. Aubin) ...	1022.4	60	W	3	b	1022.9	*	58	-2	SW	3	SW	bc	2	-	64	57	o c o	g b	bc	3.0	
Portland Bill ...	1019.8	59	WSW	5	c	1019.6	-1	60	0	WSW	5	W	c	4	-	61	59	c	c o	c o	*	
Dungeness ...	1019.4	60	WSW	3	c	1019.6	0	60	0	WSW	4	W	c	4	-	65	59	bc	bc	ogp c	*	
Dover ...	1019.6	59	SW	4	bc	1020.2	0	59	+1	SSW	4	SW	bc	4	-	64	57	bc c bc	bc	bc c bc	0.0	
Wick ...	1002.1	48	SW	3	bc	999.0	-5	51	+2	SW	3	-	r	3	0.2	52	45	og	c bcg	b omr	*	
Nairn ...	1004.1	50	W	4	bcg	998.6	*	49	0	W	2	-	og	2	1	56	46	og bc	bcg	bc cd	7.0	
Aberdeen ...	1007.1	52	WSW	4	bc	1003.4	-4	50	-1	S	4	-	og	3	-	61	47	og	b bcg	bc c o	9.6	
Leith ...	1009.5	52	W	4	b	1004.4	-3	51	-2	SW	3	-	o	3	0.2	57	48	c ogp c	c bc b	b op o	*	
Tynemouth ...	1012.4	50	W	3	om	1008.7	-4	52	-3	SSW	2	-	om	3	Trace	58	48	bcg	bcg	om	*	
Spurn Head ...	1015.5	58	WNW	3	bcm	1014.5	-1	52	-5	W	3	-	c	3	-	62	49	bcg	bc	bc	5.7	
Yarmouth ...	1017.1	59	WSW	3	c	1017.2	-1	55	0	WSW	3	-	bc	3	-	65	50	c bc o	c bc c	c bc	3.8	
Clacton-on-Sea ...	1018.8	61	SW	3	c	1018.7	-1	59	+2	SW	4	W	c	3	0.3	66	55	bc	b bc	c bc op	6.5	
Nottingham ...	1016.4	57	W	2	bc	1015.4	*	52	-5	WSW	2	SW	bc	4	1	65	48	op c	bc	bc b	5.5	
Benson (Oxon.) ...	1018.8	59	SW	1	b	1018.0	0	57	+1	SSW	2	-	o	2	64	48	bc	bc	c o	*		
Sth Farnborough ...	1019.0	56	SW	2	b	1018.6	0	58	+2	SW	4	-	o	2	68	54	b o bc o	c bc b	b op o	3.9		
London (Kew Obs.) ...	1019.0	59	SW	2	b	1019.0	0	59	+2	SW	3	-	o	2	65	54	bc c o	op c bc	b om o	3.4		
NORTHERN EUROPE.																						
Spitsbergen ...												*		*	*			UPPER AIR. South Farnborough. Pilot Balloon Ascent at ...				
Vardö ...																						
Bodö ...																						
Christiansund ...																						
Skudesnaes ...																						
Færder (X'ania Fjord) ...																						
The Scaw (Skagen) ...	1002.9	53	WSW	4	c	1006.6	+2	52	+2	W	3	W	c	3	1	57	48					
Blaavands Huk ...	1010.6	55	W	3	c	1012.8	+1	54	-1	W	3	-	c	4	Trace	57	52					
Copenhagen ...	1009.1	55	W	3	c	1011.7	+1	52	+2	W	4	-	m	4	2	61	50					
Bornholm ...	1007.9	54	WSW	7	r	1011.4	+1	55	+5	W	7	-	m	2	1	54	48					
FRANCE, &c.																						
The Helder ...	1016.3	59	SW	4	c	1017.6	0	59	-2	SSW	3	-	c	2	Trace	61	57					
C. Gris Nez ...	1018.1	60	SW	5	c	1021.0	+1	60	0	SW	5	*	o	4	-	63	59					
La Hève ...	1021.7	58	SW	3	b	1022.6	*	55	-3	WSW	4	*	o	4	-	61	50					
Brest (St. Mathieu) ...	1023.5	61	W	2	b	1024.0	+2	58	-1	SW	2	*	b	3	-	63	57					
Rochefort (Ile d'Aix) ...	1023.5	60	WNW	3	c	1024.6	+1	54	+2	ENE	3	*	b	*	Trace	70	52					
Biarritz ...	1022.0	63	SW	2	bc	1023.0	+1	55		ESE	2	*	m	3	-	66	55					
Paris ...	1023.9	57	-	0	o	1024.6	+1	54	-3	SSW	1	-	o	*	-	64	52	GALES Duration and Extreme Force in British Islands.				
Belfort ...	1024.4	55	W	3	b	1027.4	*	46	-	0	*	*	f	*	-	64	43					
Lyons ...	1024.6	60	-	0	b	1026.9	*	51	-2	-	0	*	b	*	-	68	47					
Nice ...	1025.2	61	-	0	b	1026.7	+2	63	-2	-	0	*	b	0	-	73	55	Eskdalemuir 9th 1pm Squall SW 8 Gust 23 m.p.s.				
Perpignan ...	1023.7	57	-	0	b	1026.1	+3	57	+5	W	1	-	o	*	-	70	48	Blackod Point 10th 7am SSW 8				
Sanguinaire ...	*	69	E	1	b	*	*	65	+1	E	1	*	b	1	-	75	59					
SOUTHERN STATIONS.																						
Corunna ...	1021.5	64	NNW	3	b	1024.3	+3	52	-2	-	0	-	f	6	-	64	52					
Madrid ...																						
Lisbon ...																						
Azores (Horta) ...	1024.7	*	SSW	5	bc							*										
Madeira ...	1023.0	73	NE	3	bc	1023.3	0	68	+2	N	2	-	bc	2	-	77	66					
Gibraltar ...	1022.7	69	E	3	c	1022.3	*	69	0	SE	5	*	c	3	-	71	68					
Malta ...	*	*	*	*	*	1024.6	+3	72	+4	E	3	-	bc	2	-	75	65					
Limassol ...	*	*	*	*	*																	
Alexandria ...	1018.0	70	NNE	2	b	1018.3	+1	72	0	NNE	3	NE	b	2	-	79	70					
Cairo (Helwan) ...	1015.7	73	N	3	b	1017.2	+2	68	+4	NE	3	-	b	2	-	81	63					
24 HOURS ENDED 9 H. TO-DAY.																						
LONDON OBSERVATIONS.																						
Humidity.		Sun- shine for Yester- day.		TEMPERATURE.			Rain- fall.		WEATHER.			SOUTH KENSINGTON.										
7.5 h. Yester- day.	9 h. To- day.	Hours.		°F.	°F.	°F.	mm.	Morn- ing.	After- noon.	Night.	Vertical Component of Solar Radiation per square Centimetre during Yesterday.											
73	91	4.0		68	54	44	1	bc o	o bc	bc b o	Total. Average Rate. Max. Rate.											
74	93	3.4		*	*	*	*	*	*	*	Joules. Milliwatts. Milliwatts.											
74	93	3.6		67	55	50	1	bc	bc	bc o	664 16.7 55											
73	90	4.0		67	54	50	1	bc c	c o	*	Temperatures at Greenwich and Cam- den Square are from Glaisher screens.											
74	94	4.0		63	52	39	1	c	c	od o												
74	90	3.9		66	55	51	1	o c b	bc o	c bc b												
74	90	3.9		*	*	*	*	*	*	*												

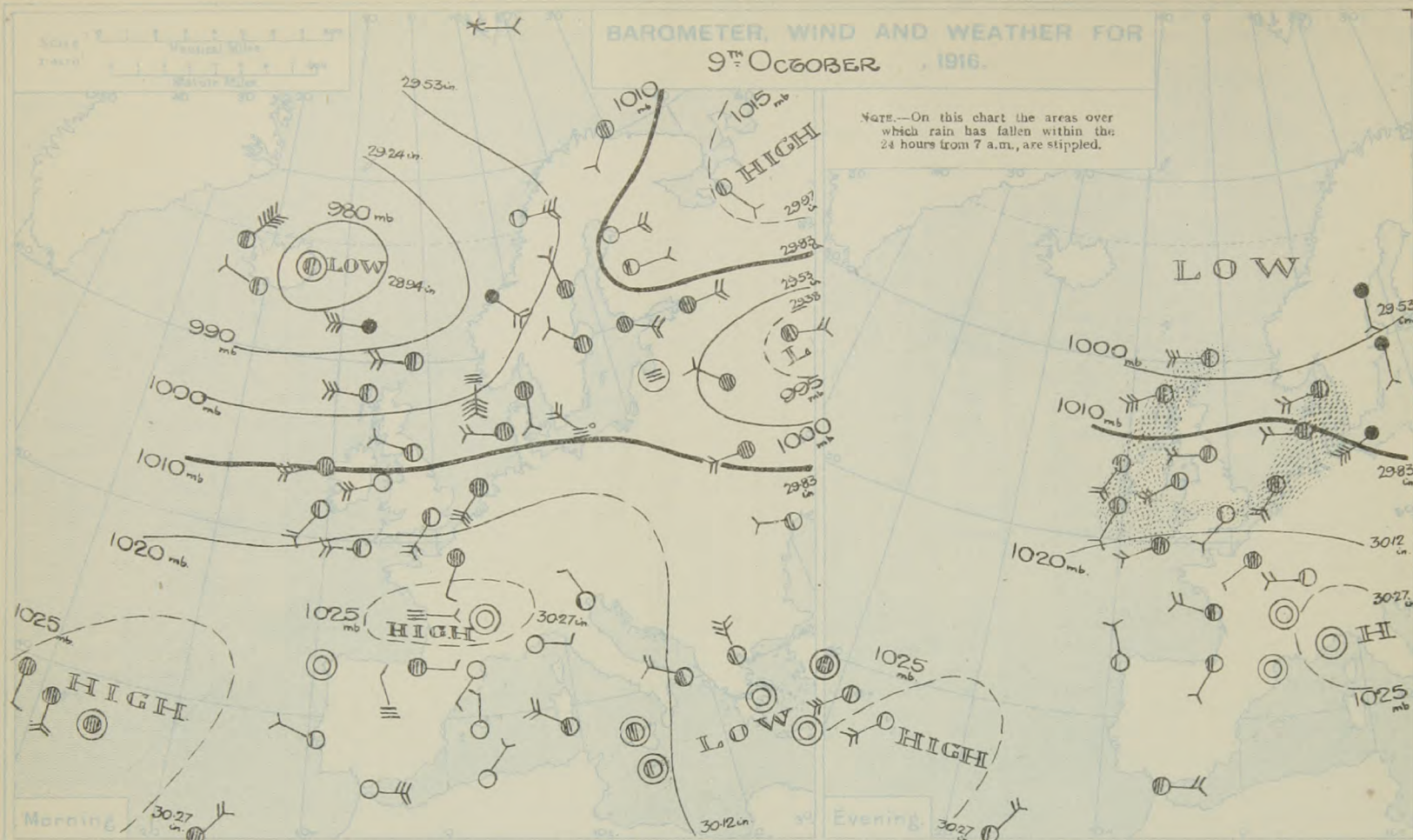
* Information for these columns not usually received.

† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.

BAROMETER, WIND AND WEATHER FOR 9th OCTOBER 1916.

Note.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

Signals hoisted yesterday.

Signals hoisted this morning.

South Cone.

South Cone.

North Cone.

North Cone.

South Cone hoisted to-day

at 8 a.m. in Distts 0, 1, 6, 7, 9 & 10.

Western Channel and Bay 11

Squally South-Westerly winds, strong, a gale in places; dull, some rain; mild.

Freshening South-Westerly wind; dull, some rain; mild.

Same as Nos. 0 and 1.

Same as Nos. 2 to 5.

Same as Nos. 0 and 1.

Northern part, freshening South-Westerly wind, squally; southern part, calm and variable Easterly breeze, sea moderate; fair to fine, local mist or fog; mild.

FURTHER OUTLOOK.

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

NAPIER SHAW, Director.

Millibars Inches

1050

1040

1030

1020

1010

1000

990

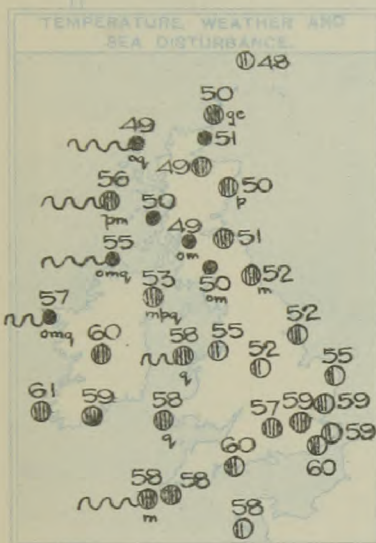
980

970

SYNOPTIC CHART FOR THE MORNING OF TUESDAY, 10TH OCTOBER, 1916.

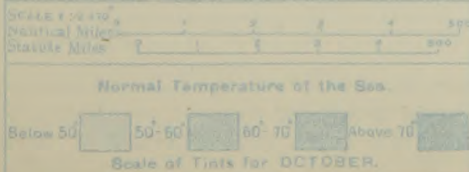
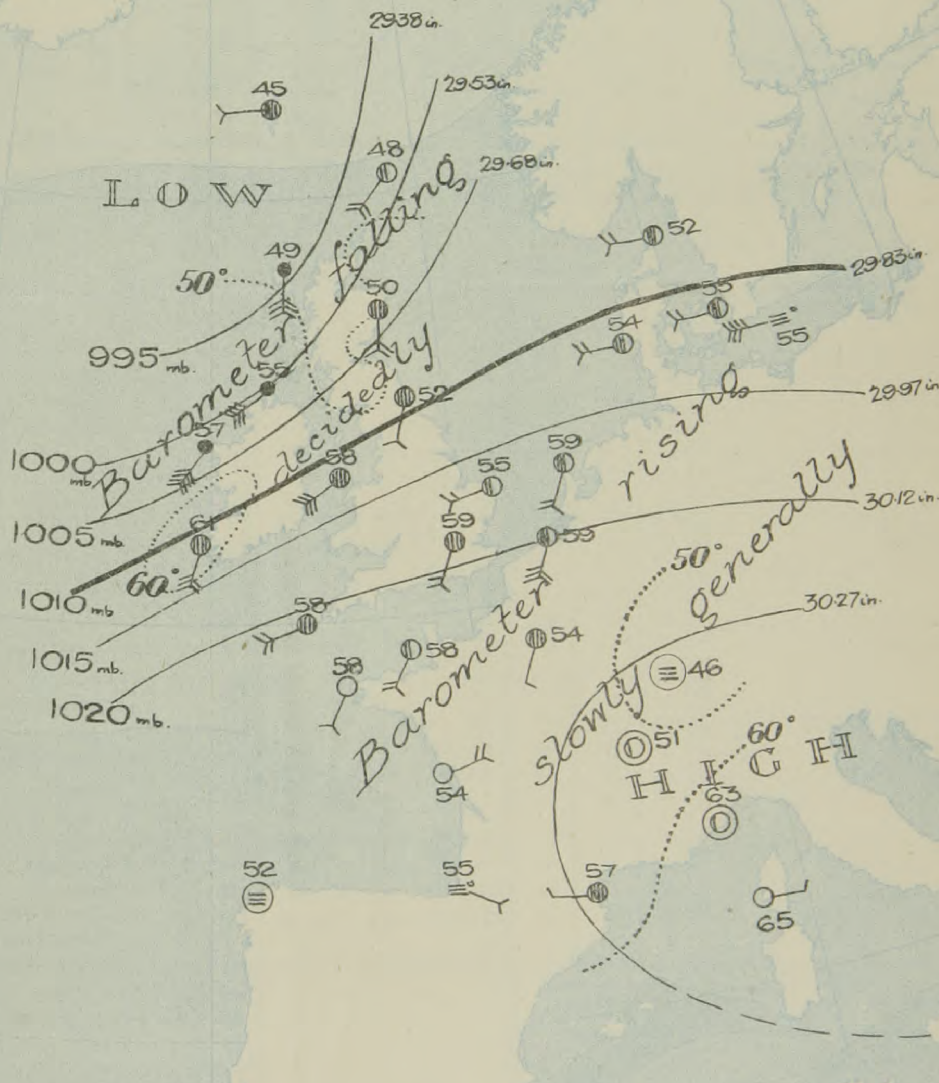
GENERAL INFERENCE.

The changes in progress indicate the general prevalence of unsettled 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 $\frac{1}{2}$ clouded. ○ sky $\frac{3}{4}$ clouded.
 ○ sky $\frac{3}{4}$ 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. Milli- bars at M.S.L.	TEMP.		WIND.	Force 0-12.	Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.				
			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.	Weather.
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1012.3	27	-	0	b	1016.2	+1	21	+2	SSE	2	bc	6	°F	°F	Isafjord ...	988.2	36	-10	NE	9	c
	Gorki ...	997.0	52	SW	5	r	998.9	+	48	-4	NW	2	0	34	°	50	Reykjavik ...	982.3	41	-2	-	0	c
	Velieki Luki ...						+							+			Vestmanna ...	980.2	41	-5	NW	2	bc
	Hangö ...	1002.1	43	ESE	5	r	1004.8	+4	43	+6	ESE	2	0	15	°	36	Seydisfjord ...	979.5	41	+4	-	0	c
	Riga ...	1001.2	48	-	0	c	1002.4	+2	46	-2	-	0	f	2	°	46	Thorshavn ...	983.3	48	+7	W	6	r
	Petrograd ...	1007.0	37	E	3	0	1007.9	0	30	-7	E	4	0	-	41	30							
	Moscow ...	1004.6	30	-	0	0	993.6	-7	53	-1	ESE	4	0	19	°	48							
	Kiev ...	1007.3	54	W	4	r	1009.7	0	48	-7	W	4	0	?	°	48							
	Kharkov ...	1010.4	57	S	2	0									°								
	Kishinev ...														°								
MEDITERRANEAN.	Elisabetgrad ...	1011.7	59	WSW	3	r	1012.4	+3	48	-9	E	1	c	5	°	45							
	Nicolaiev ...	1013.1	50	SSW	5	c	1015.0	+	52	-3	WNW	2	bc	3	°	50							
	Odessa ...	1012.8	61	SW	4	0	1016.6	+3	52	-3	NNW	3	bc	2	°	50							
	Tarkhanput ...														°								
	Soukhoum ...														°								
	Venice ...	1020.0	63	-	0	b	1023.1	+	59	-4	NNW	1	b	-	72	57	British Isles ...			b.		b.	18
	Pesaro ...	1020.3	68	SE	1	b	1023.9	+	59	-7	S	1	b	-	73	55	France ...			7		18	18
	Rome ...	1020.6	66	-	0	c	1022.7	+	55	-6	N	1	f	-	73	55	Norway ...			7		18	18
	Viesti ...	1016.1	68	NW	1	b	1022.6	+	66	+2	WNW	1	b	-	73	61	Sweden ...			7		17	17
	Brindisi ...	1013.1	68	SW	1	b	1019.4	+	68	+9	NW	3	c	-	72	59	Denmark ...			7		18	18
SWEDEN.	Cagliari ...	1023.0	73	NW	3	b	1020.4	+	59	-	NW	4	c	-	77	50	Holland ...			7		18	18
	Palermo ...	1020.6	70	-	0	b	1020.4	+	70	0	-	0	b	-	77	57	Italy ...			7		20	20
	Tripoli ...	1020.6	73	ESE	1	b	1021.2	+	68	-	WSW	1	bc	-	81	59	Egypt ...			6		18	18
	Algiers ...	1023.0	72	E	3	m	1022.0	0	68	0	NE	2	b	5	75	64	Corunna ...			7		16	16
	Hernösand ...	1007.7	57	NNE	2	bc	1006.4	+	34	-3	NNW	2	0	°	°	°	Madrid ...			8		16	16
	Stockholm ...	998.7	50	SE	2	r	1005.2	+	45	-3	NW	2	0	°	°	°	Lisbon ...			7		21	21
	Wisby ...	998.5	50	WSW	2	0	1005.5	+	48	-4	NNW	4	0	°	°	°	Azores ...			8		17	17
																	Madeira ...			7		21	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. 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	9	1	56	52	bcp	bcp	3.3	England, E.	Lowestoft	-	-	65	54	bc c	c. o. bc	4.4
	Banff	1	-	58	49	b	b. bc	8.6		Felixstowe	-	-	66	55	bc	bc	5.5
	Montrose	-	-	60	50	b	bc	8.0		Walton-on-Naze	-	-	-	-	-	-	-
	Carnoustie	°	°	-	-	-	-	-		Southend-on-Sea	-	-	66	56	b. bc	bc. c	5.4
	St. Andrews	-	-	54	50	bc	bcq	9.4									
Eng. N.E.	Harrogate	0.2	-	60	51	bc b	b. bc	7.4	England, S.E.	Margate	-	-	67	56	bc b. bc	c. bc. c. b	5.6
	Skegness	-	-	64	53	o. bc	bc. c. g	2.6		Ramsgate	-	-	66	55	bc	bc	5.9
Eng. N.W.	Morecambe	1	-	60	56	-	-	9.0		Hastings	-	-	64	58	bc	bc o	4.1
	Southport	1	-	61	55	c. bc	bc. b	7.7		Eastbourne	-	-	64	60	bc	bc o	4.6
Midlands.	Leamington Spa	0.1	1	65	55	cp	bc	4.3		Seaford	°	°	62	60	c	c	3.8
	Malvern	-	1	65	56	c. bc	bc	5.0		Brighton	-	-	65	59	c	c	3.5
	Ross-on-Wye	-	1	66	57	c. bc	bc	2.5		Worthing	-	-	68	59	c. b	b. o	4.0
Wales.	Rhyl	-	-	62	54	bc	bc	7.2		England, S.W.	Littlehampton	-	-	68	59	c. b	b. o	4.0
	Colwyn Bay	-	-	61	55	bc	bc	6.7	Bognor		°	°	65	58	bc	c. o	4.4
	Llandudno	°	°	61	56	c	b	5.0	Bournemouth		-	-	65	58	bc	c. o	4.4
	Aberystwyth	°	°	60	57	r. o. c	bc o	7.0	Weymouth		-	-	65	59	c. bc	c. bc. c	2.0
	Tenby	3	-	63	56	bc	bc	5.6	Torquay		-	0.3	63	59	o. c	cp. o	2.4
									Paignton		°	°	-	-	-	-	-
									Penzance		-	1	64	58	bc c	or. c	2.0
									Newquay		-	0.1	61	56	cm	o	0.0
									Bude		-	-	-	-	-	-	-
									Ilfracombe		-	2	62	58	r. bc	bc	4.2
									Weston-s-Mare	-	1	64	56	cp bc b	b	5.5	

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

10th & 11th October, 1916.			
	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.11 6.13	11.40 11.40	5.9 5.6
Greenwich ...	6.7 6.19	11.47 11.47	5.17 5.15
Wick ...	6.39 6.41	11.39 11.39	5.19 5.17
Valencia ...	6.58 7.0	12.28 12.28	5.58 5.56

NOTES ON YESTERDAY'S WEATHER.

Unseasonably high temperature was general. Small quantities of rain fell in most localities. As a rule the sunshine records were good, up to 9½ hours at St. Andrews, but a few stations had little or none.

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.

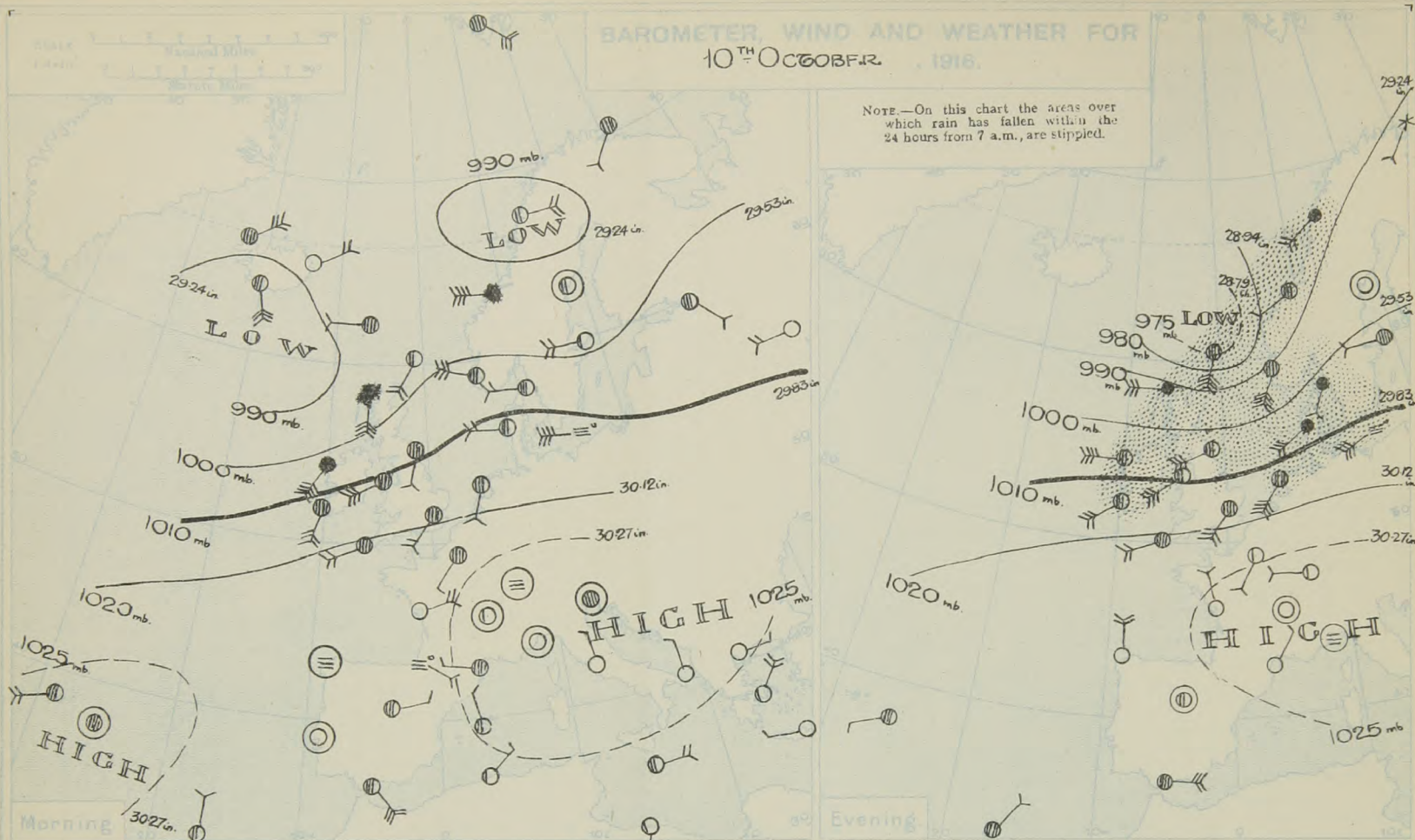
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STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.							Sun- shine for Yester- day Hours.								
	Barom. Milli- bars at M.S.L.	Temp. °F.	Wind.		Weather.	Barometer.		Temp.		Wind.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	Temp.		Weather.													
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 24 hours.	Dry Bulb. °F.	Change in 24 hours. °F.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.											
																				°F.	°F.										
BRITISH ISLANDS.	Lerwick ...	974.1	50	SSW	8	omg	994.5	+4	45	-3	NW	3	NW	c	3	21	52	44	bc. org	omg p	o c	*									
	Deerness (Orkney) ...	986.1	50	W	7	cg	997.9	*	42	-2	W	5	NW	cp	4	11	56	46	om	o c. og	op c	1.4									
	Stornoway ...	991.3	49	W	6	cg p	1002.0	+5	46	-3	WNW	6	W	bcg	5	11	58	45	o c q p	cg p	bc q p	2.5									
	Castlebay (Barra Isd.)																														
	Glasgow ...	1000.3	56	WSW	7	og p	1008.1	+4	50	+1	WSW	3	NW	om	*	9	57	47	omg. og	og f. c. o	og p. cp	0.5									
	Eskdalemuir ...	1002.1	54	SW	5	or	1010.2	+4	46	-4	SW	5	-	or	*	45	57	42	omr	or. o. or	og	0.1									
	Malin Head ...	1000.5	54	SW	8	omg	1008.2	+2	51	-4	W	5	-	omgr	6	4	59	47	bcg	omg p	cg p	2.4									
	Blacksod Point ...	1006.6	55	W	7	cmg	1008.8	-2	57	0	SW	6	-	omg	6	9	59	51	cmg	cmg	cm omr	*									
	Valencia ...	1014.3	60	SW	5	c	1018.4	+4	60	-1	SW	4	-	o	4	3	62	57	op	o c	bc. c. o	0.0									
	Roche's Point ...	1014.4	59	SW	4	o	1018.5	*	58	-1	SW	4	-	o	4	0.4	61	55	omd	omd. o	c. om	*									
	Birr Castle ...	1010.0	59	W	3	o	1014.3	*	59	-1	SW	2	-	o	4	6	61	54	or	c. o	c. o	0.7									
	Donaghadee ...	1004.4	59	W	5	cmg	1011.0	+1	50	-3	WSW	3	-	omr	2	3	63	46	og p	bc mg	bc q. or	*									
	Liverpool (Bidston) ...	1009.2	60	SW	4	c	1013.4	0	57	+2	SW	3	SW	o	3	-	64	55	c. o	cd	o	0.8									
	Holyhead ...	1008.9	58	SW	6	bc	1013.8	0	57	-1	WSW	6	-	omg	5	0.2	60	56	og p	op. o. cg	o c. o	0.0									
	Pembroke (St. Ann's) ...	1014.7	59	SW	6	og	1018.2	0	58	0	SW	5	-	og	5	-	60	56	cg	cg. og p	cg. og	0.2									
	Scilly (St. Mary's) ...	1020.9	59	WSW	4	om	1023.2	+1	59	+1	W	5	W	c	5	-	61	57	o	om	om. c	1.3									
	Falmouth ...	1020.5	60	SW	6	o	1022.5	+1	59	+1	WSW	5	-	bcg	*	-	63	58	cg	cg. og	bc q. cg	1.8									
Jersey (St. Aubin) ...	1023.5	61	WSW	3	c	1025.0	*	61	+3	WSW	5	SW	c	4	Trace	65	58	bc. c. o	b. bc. c.	c. op. c.	4.9										
Portland Bill ...	1019.8	60	WSW	5	o	1021.2	+1	60	0	WSW	5	W	c	5	-	61	59	c. o	o	o c. bc	*										
Dungeness ...	1018.5	62	WSW	5	b	1019.6	+2	60	0	SW	6	-	o	5	0.1	63	60	c. o c	c	bc. op	*										
Dover ...	1019.3	59	SW	6	c	1020.6	+2	59	0	SW	4	SW	bc.	4	-	62	57	bc. q. r	bc. c	c. bc.	2.1										
Wick ...	988.6	50	WSW	4	o	1000.4	+6	44	-7	WSW	4	-	r	4	5	59	42	sup. cm	c. omg p	o bc q p	*										
Nairn ...	992.0	51	W	5	ougr	1003.0	*	45	-4	W	4	-	bcg	3	5	61	43	bcg	cg p	cg p. r	5.3										
Aberdeen ...	993.9	53	WSW	5	bc	1003.8	+6	47	-3	WSW	4	W	bc	2	0.4	64	44	or. cg	bc. bg	bc. b	3.8										
Leith ...	998.6	56	W	4	r	1006.9	+2	49	-2	W	2	-	o	3	19	59	47	org. o	op. cg. o	rg. op. o	*										
Tynemouth ...	1001.7	60	WSW	6	cmg	1009.3	+3	52	0	W	4	-	omg	3	1	63	48	omg p	cmg	omg p	*										
Spurn Head ...	1009.3	61	WSW	6	cg p	1013.3	+2	56	+4	WSW	4	-	o	4	-	63	51	bc	bc.	cg	0.7										
Yarmouth ...	1014.4	61	WSW	6	o	1016.5	+4	57	+2	W	3	-	bcg	3	-	66	54	bcg	bcg. o	o bc q	3.0										
Clacton-on-Sea ...	1017.0	61	SW	5	c	1018.5	+3	59	0	SW	3	W	bc	2	-	64	58	c. bc. c	c	c. bc.	0.8										
Nottingham ...	1011.6	62	SW	5	o	1014.7	*	54	+2	SW	2	W	c	*	4	64	52	c. o	c. o	or	1.4										
Benson (Oxon.) ...	1017.0	60	SW	4	o	?	+2	56	-1	SW	3	W	c	*	1	64	56	o	o	?	*										
Sth Farnborough ...	1018.3	59	SW	5	o	1019.6	+3	56	-2	SW	4	W	c	*	Trace	65	56	op. bc. o	o c. o	o c.	2.0										
London (Kew Obsy.)	1018.1	61	SW	5	o	1019.8	+3	58	-1	SW	3	W	c	*	Trace	64	58	c. o. o. d. o	o c. o	o c.	1.5										
NORTHERN EUROPE.	Spitsbergen ...																	UPPER AIR.													
	Vardö ...	990.3	34	SW	3	S	984.4	-3	36	0	SW	3	-	o	3	*	36	25	South Farnborough.												
	Bodö ...	?	45	SW	4	r	980.0	0	41	+2	S	1	-	r	1	32	41	39	Pilot Balloon Ascent at 7.12 a.m. 11th.												
	Christiansund ...	988.2	46	SW	1	c	986.1	+4	45	-3	NE	3	-	o	4	11	48	43	1,500 metres W/N 16 metres per sec.												
	Skudesnaes ...	990.1	52	SSW	8	o	989.6	+3	50	-2	WNW	10	-	o	7	5	52	46	1,200 - W/N 15 - - -												
	Færder (Xtanta Fjord)	995.8	48	S	6	r	980.4	-5	50	-2	SW	6	-	c	4	3	52	48	900 - W 18 - - -												
	The Scaw (Skagen)	1001.0	52	SSW	2	r	989.1	-3	50	-2	W	8	W	c	8	4	57	50	600 - W 17 - - -												
	Blaavands Huk	1005.7	57	SW	5	r	1001.2	0	55	+1	W	10	-	o	6	Trace	59	52	300 - W/S 11 - - -												
	Copenhagen ...	1009.1	55	WSW	5	o	998.9	-1	56	+3	W	7	-	o	*	10	55	50	Surface SW/W 6 - - -												
	Bornholm ...	1011.3	54	WSW	6	m	1000.0	0	52	-3	W	10	-	r	3	9	55	50													
FRANCE, &c.	The Helder ...	1013.7	59	SW	7	o	1013.7	+2	59	0	W	7	-	c	4	5	61	57	At 10.59 a.m. 10th.												
	C. Gris Nez ...	1019.9	60	SW	5	o	1018.4	+1	60	0	WSW	6	*	c	5	-	61	57	600 metres WSW 16 metres per sec.												
	La Hève ...	1023.0	59	WSW	3	bc	1022.1	*	58	+3	WSW	4	*	c	4	-	61	54	300 - SW/W 15 - - -												
	Brest (St. Mathieu)	1025.5	59	WSW	2	bc	1027.3	+2	60	+2	SW	3	*	o	3	-	63	57	Surface SW/W 7 - - -												
	Rochefort (Ile d'Aix)	1025.5	62	NNW	2	b	1028.8	+2	55	+1	NE	2	*	m	*	-	72	54													
	Biarritz ...																		Aberdeen 3 a.m. 11th.												
	Paris ...	1024.3	55	SW	2	b	1026.7	+2	50	-4	SSW	2	NW	b	*	-	68	46	2,400 metres W/N 20 metres per sec.												
	Belfort ...	1025.7	59	W	2	b	1030.1	*	53	+7	WSW	4	*	o	*	-	68	49	2,100 - WNW 14 - - -												
	Lyons ...	1025.5	63	-	0	b	1020.1	*	53	+2	-	0	*	b	*	-	73	50	1,800 - WNW 13 - - -												
	Nice ...	1027.4	60	-	0	f	1028.2	+1	59	-4	-	0	*	b	2	-	72	54	1,500 - WNW 15 - - -												
Perpignan ...	1026.3	61	NE	1	b	1027.5	+3	57	0	W	1	-	o	*	-	72	55	1,200 - W/N 11 - - -													
Sanguinaire ...																		900 - W/N 23 - - -													
SOUTHERN STATIONS.	Corunna ...	1024.7	64	N	4	b	1029.1	+2	52	0	-	0	-	f	1	-	64	50	600 - W/N 20 - - -												
	Madrid ...	1020.6	79	-	0	bc	1029.0	+4	62	+1	NNE	1	f	b	*	-	81	55	300 - W/N 16 - - -												
	Lisbon ...																	150 - W 12 - - -													
	Azores (Horta) ...	*																Surface W/S 8 - - -													
	Madeira ...																														
	Gibraltar ...	1022.7	73	NE	2	o	1023.7	0	68	0	ENE	2	-	b	2	-	73	66	Lerwick												
	Malta ...	1025.0	69	E	5	o	1026.4	*	69	0	NE	4	*	bc	3	-	71	68	10th 4 p.m. - 11 p.m. SSW - NW 8												
	Limassol ...	*	*	*	*	*	1026.7	+1	70	-2	NNE	2	-	o	2	-	75	68	Deerness												
	Alexandria ...	1018.4	72	NNE	2	bc	1016.8	0	72	+2	-	0	-	b	0	-	82	52	10th 3 p.m. - 4 p.m. W 8												
	Cairo (Helwan) ...	1016.3	72	NE	2	b	1018.7	0	73	+1	NE	2	-	b	1	-	79	68	Eskdalemuir												
																				24 Hours ended 9 h. To-Day.				SOUTH KENSINGTON.							
																				TEMPERATURE.				Rain-fall.		WEATHER.		Vertical Component of Solar Radiation per square Centimetre during Yesterday.			
																				Max. Min. Min. on Grass				Morn-ing After-noon Night		Total. Average Rate. Max. Rate.		Joules. Milliwatts. Milliwatts.			
																				°F. °F. °F. mm. c. o. o				°F. °F. °F. mm. c. o. o		472 119 43.		Temperatures at Greenwich and Camden Square are from Glaisher screens.			
LONDON OBSERVATIONS.																				Humidity.				Sun-shine for Yesterday.							
																				25 h. Yesterday. 9 h. To-day.				Hours.							
																				°F. °F. °F. mm. c. o. o				°F. °F. °F. mm. c. o. o							
GREENWICH (Royal Observatory)																				78 80 1.8 67 57 51 - bc c. o. o				78 80 1.8 67 57 51 - bc c. o. o							
CITY (Bunhill Row) ...																				78 80 1.8 67 57 51 - bc c. o. o				78 80 1.8 67 57 51 - bc c. o. o							
WESTMINSTER (St. James's Park)																				75 78 1.3 66 58 54 - bc bc bc				75 78 1.3 66 58 54 - bc bc bc							
CAMDEN SQ. (British Rainfall) ...																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
HAMPSTEAD (Reservoir) ...																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
S. KENSINGTON (Museum Grounds)																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
RICHMOND PARK ...																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							
																				71 73 1.4 66 57 53 - o. c. o. o				71 73 1.4 66 57 53 - o. c. o. o							

BAROMETER, WIND AND WEATHER FOR

10TH OCTOBER 1916.

NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



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.

Warnings issued

8 a.m., 10th

Western Channel and Bay 11

Squally Westerly to South-Westerly winds, fresh or strong, moderating somewhat; changeable, some rain; mild.

Moderate to fresh South-Westerly winds; sea moderate to rather rough; fair to dull, some showers, local mist or fog; moderate temperature.

FURTHER OUTLOOK.

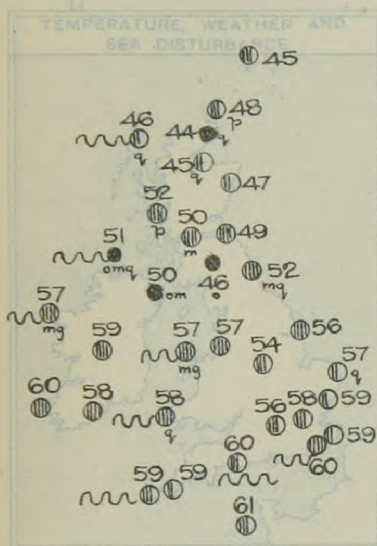
R. G. K. LEMPFERT, Superintendent, Forecast Division.

NAPIER SHAW, Director

SYNOPTIC CHART FOR THE MORNING OF WEDNESDAY, 11TH OCTOBER, 1916.

GENERAL INFERENCE.

Another depression situated beyond Ireland and moving North-Eastward, will serve to maintain the unsettled 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:—

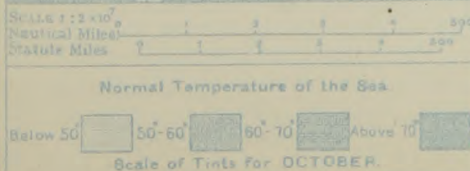
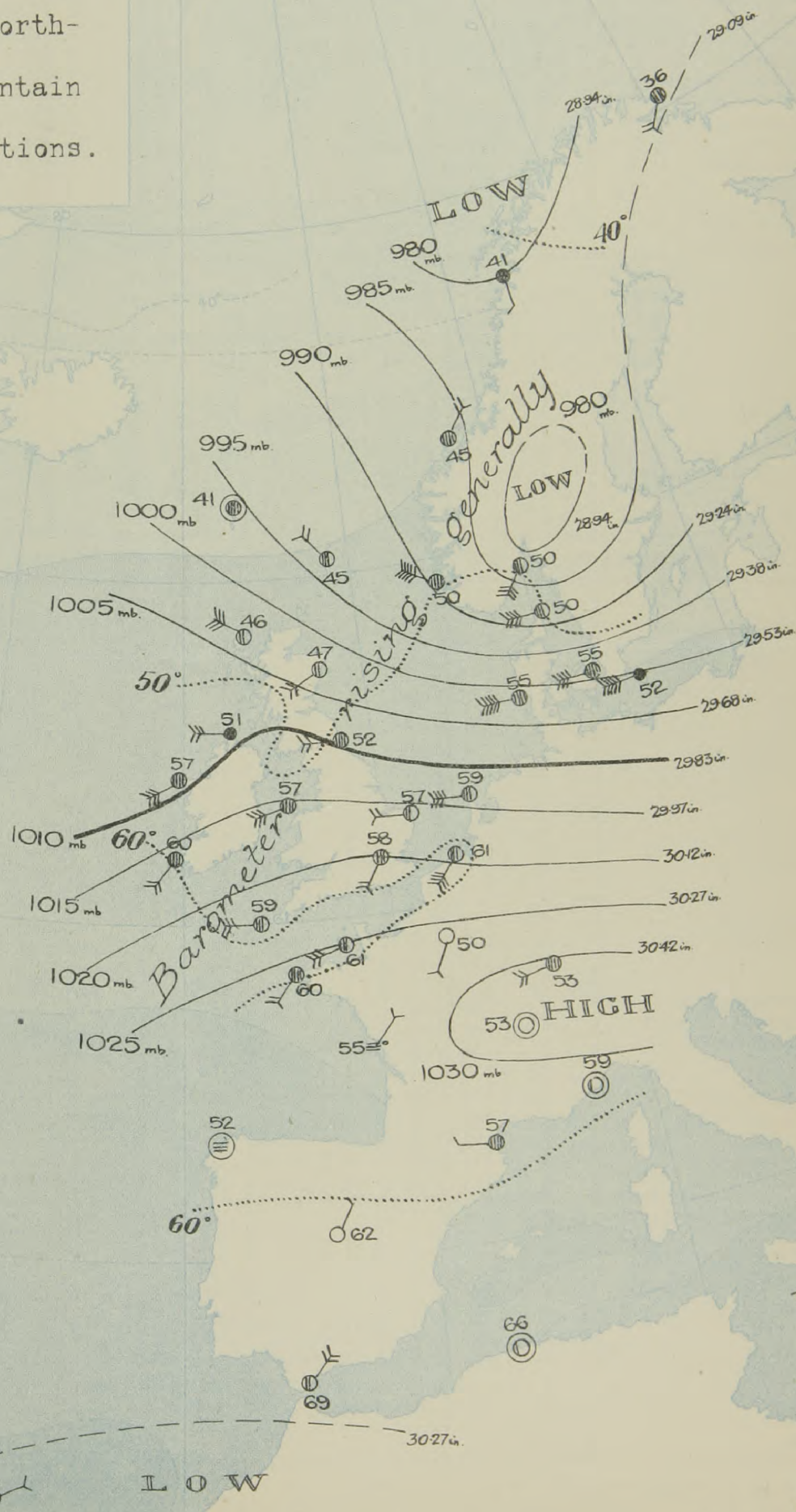
○ clear sky. ○ sky & clouded. ○ sky & clouded.

○ sky & 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.	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 ...	1014.7	21	E	2	bc	1005.1	+6	18	-3	E	2	bc	-	* ° F	16	Isafjord ...	993.6	36	0	NE	3	o
	Gorki ...	1005.1	45	WSW	1	b									* ° F		Reykjavik	987.0	41	0	E	4	o
	Velieki Luki ...	1007.5	36	SW	2	o	1005.7	*	34		SSE	2	o	11	* ° F	28	Vestmanna	987.4	43	+2	SSE	6	c
	Hangö ...	1004.2	46	SE	2	o									* ° F		Seydisfjord	992.3	37	-4	NE	3	o
	Riga ...	1007.4	48	-	0	o									* ° F		Thorshavn	991.4	45	-3	W	2	o
	Petrograd ...	1006.9	34	E	2	o									* ° F								
	Moscow ...	1003.5	34	SW	4	c									* ° F								
	Kiev ...														* ° F								
	Kharkov ...														* ° F								
	Kishinev ...	1017.5	57	NW	2	c	1021.9	+2	48		NW	2	bc	-	* ° F	46							
	Elisabetgrad ...														* ° F								
	Nicolaiev ...							*							* ° F								
Odessa ...														* ° F									
Tarkhankout...														* ° F									
Soukhom ...						1021.2	*	59		NW	4	bc	3	* ° F	59								
MEDITERRANEAN.	Venice ...	1024.9	64	-	0	b	1026.6	*	61	+2	-	0	f	-	70	61	British Isles ...			b.		b.	
	Pesaro ...	1025.4	61	SSE	1	b	1027.6	*	57	-2	-	0	b	-	68	50	France ...			7		18	
	Rome ...	1024.9	64	-	0	b	1027.0	*	57	+2	N	1	b	-	73	54	Norway ...			7		18	
	Yiesti ...	1024.6	64	WNW	2	b	1026.4	*	64	-2	WNW	2	b	-	72	61	Sweden ...			7		17	
	Brindisi ...	1022.6	68	NW	1	b	1025.5	*	70	+2	N	1	b	-	70	68	Denmark ...			7		18	
	Cagliari ...																Holland ...			7		18	
	Palermo ...	1022.7	63	-	0	bc	?	*	72	+2	-	0	f	-	77	59	Italy ...			7		20	
	Tripoli ...						1023.6	*	66	-2	SSW	1	b	-	79	?	Egypt ...			6		18	
	Algiers ...	1022.0	70	NE	2	b	1022.4	+1	66	-2	NE	1	b	-	73	66	Corunna...			7		16	
																	Madrid ...			8		16	
																	Lisbon ...			7		21	
																	Azores ...			8		17	
SWEDEN.	Hernösand ...	996.7	41	S	2	r	992.8	*	39	+5	-	0	bc	*	*	*	Madeira ...			7		21	
	Stockholm ...	1000.3	43	S	2	r	997.1	*	48	+3	W	4	b	*	*	*	Malta ...			8		-	
	Wisby ...	1004.2	46	S	2	c	1003.8	*	52	+4	WSW	6	b	*	*	*	Limassol ...			6		-	

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

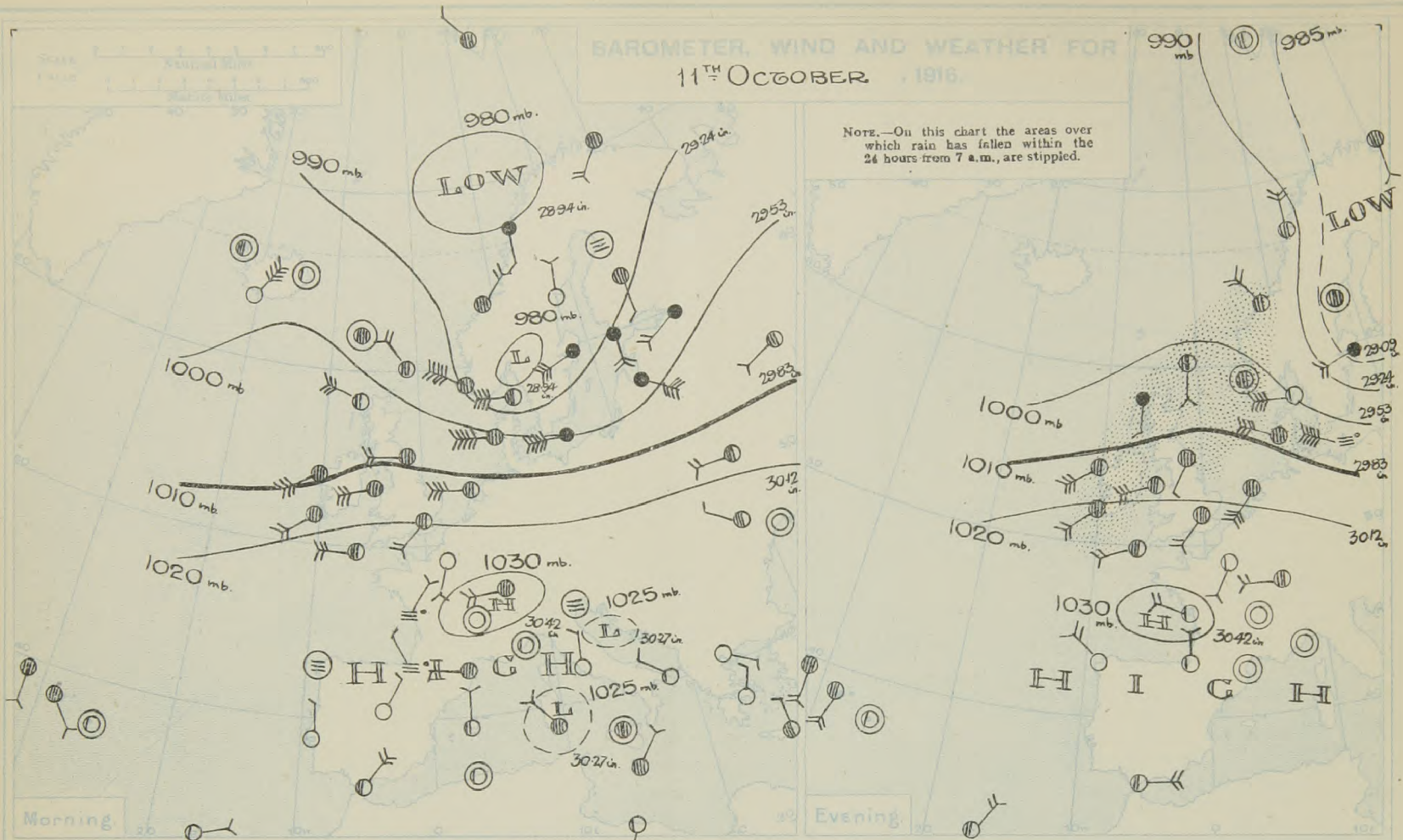
STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine	STATIONS.	Rainfall.		TEMPERATURE.		WEATHER.		Sun- shine		
	Night. 12h-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 12h-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			
Scotland.	Oban	11	5	57	48	r. o	bcp	0.0	England, E.	Lowestoft	0.2	-	66	50	c o c	c o c	0.0
	Banff	2	-	63	47	bcp	q bc	4.0		Felixstowe	1	-	65	54	o bc	bc c	1.3
	Montrose	-	3	62	51	b	o	5.0		Walton-on-Naze	-	-	64	55	o c bc	bc c	2.9
	Carnoustie	*	*							Southend-on-Sea	2	-	64	55	o c bc	bc c	2.9
	St. Andrews	1	1	63	48	o	p	3.7									
Eng. N.E.	Harrogate	-	0.3	61	46	or c	o c bc	0.3	England, S.E.	Margate	-	-	66	56	c	c	1.7
	Skegness	-	-	64	45	c, og	og, bc	1.8		Ramsgate	-	-	64	54	c	c	1.4
Eng. N.W.	Morecambe	-	0.3	61	48	o	dp o	0.0		Hastings	-	-	62	58	o bc	bc o	0.1
	Southport	-	0.3	61	48	o	dp o	0.0		Eastbourne	0.2	-	63	59	o, bc	bc o	1.6
										Seaford	*	*	62	59	o	o	0.5
										Brighton	-	-	62	60	c	c	0.6
										Worthing	-	-	62	59	c	c o	0.4
										Littlehampton	-	-	63	59	o	bc o	5.0
Midlands.	Leamington Spa	-	-	64	48	bc c	c	2.4	Bognor	*	*	61	58	bc	bc	0.7	
	Malvern	-	-	61	51	bc c	c o	0.0	Bournemouth	-	-	62	58	o	o	0.3	
	Ross-on-Wye	-	-	63	51	bc c	bc c	0.6									
Wales.	Rhyl	-	1	64	47	bc og	q	2.1	England, S.W.	Weymouth	-	-	62	59	o c o	o	0.3
	Colwyn Bay	*	*	64	50	bcp	cp	0.5		Torquay	0.1	-	62	59	o	o	0.2
	Llandudno	*	*	62	52	cqp	cqp	0.1		Paignton	*	*	64	58	c	c o	1.2
	Aberystwyth	*	*	62	56	o c	c o	0.0		Penzance	2	-	62	56	c	c	0.0
	Tenby	*	*	62	54	bc	bc c	0.3		Newquay	4	-	62	58	o	o	0.3
										Bude	3	-	63	57	bc	bc	0.0
										Ilfracombe	1	-	63	55	bc c	ca	0.3
								Weston-s-Mare	-	-	63	55	bc c	ca	0.3		

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 286. Thursday 12th October

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.													
			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	1002.5	46	S	2	cm	986.9	-4	54	+9	SW	6	-	rq	5	16	54	44	c.bc	bc.om	omrg	*										
Deerness (Orkney)	1004.0	48	SW	1	or	990.5	*	55	+7	SW	4	-	ouge	4	17	55	47	cp.c	c.o	croge	3.5										
Stornoway	1002.2	48	S	1	or	991.6	-3	58	+12	WSW	7	-	orq	5	13	59	45	c.op	or	orq	0.6										
Castlebay (Barra Isd.)	1004.4	56	WSW	5	r	997.4	-2	57	+6	SW	7	-	omp	7	12	57	50	or	r	romp	0.0										
Glasgow	1008.5	54	WSW	2	mr	1003.3	-2	56	+6	SW	6	-	orq	*	7	57	49	omd	mr	mr.cqr	0.0										
Eskdalemuir	1010.5	56	SW	5	omd	1006.7	-1	55	+9	SW	7	-	or	*	7	57	45	or	c.ond	md.or	0.8										
Malin Head	1008.1	58	WSW	6	omq	999.6	-3	57	+6	SW	8	-	omrg	8	7	61	50	omd	omqp	omrg	0.0										
Blacksod Point	1012.0	57	SW	6	cm	1006.5	+2	59	+2	SW	8	-	ome	6	1	60	56	omp	cmq	om.ome	0.0										
Valencia	1020.3	60	SW	4	o	1016.5	-1	60	0	SSW	4	-	od	4	Trace	62	59	c.og	og	o	*										
Roche's Point	1021.5	59	SW	3	o	1019.0	*	59	+1	SW	4	-	o	4	0.1	64	58	om	c.ong	omg	*										
Birr Castle	1017.5	60	SW	2	o	1013.5	*	59	0	SW	3	-	r	*	1	62	58	or	o	od	0.0										
Donaghadee	1020.0	60	W	5	omgq	1007.5	-3	60	+10	SW	6	SW	omq	4	6	61	50	omr	agmq	cm.ong	*										
Liverpool (Bidston)	1016.2	62	WSW	5	o	1013.7	-1	58	+1	SW	6	S	b	5	-	64	57	o.be	og	o.c.b	1.2										
Holyhead	1017.0	61	WSW	5	eg	1013.9	-3	58	+1	SW	7	SW	beg	6	-	62	56	o.c.o	o.c.o	c.o.b	0.2										
Pembroke (St Ann's)	1021.8	59	SW	5	og	1020.5	0	59	+1	SW	5	-	og	4	-	60	58	og.cq	eg.og	eg.og	1.1										
Scilly (St. Mary's)	1025.7	58	WSW	3	cm	1025.0	-1	60	+1	WSW	4	W	c	5	-	62	57	cm	bcm.cm	cm.c	5.7										
Falmouth	1027.1	59	WSW	3	o	1024.6	0	59	0	SW	4	-	o	*	-	63	57	beg	beg.og	o.c	5.7										
Jersey (St. Aubin)	1027.4	61	W	3	c	1027.6	*	61	0	WSW	4	-	o	3	-	65	59	c	c.b	bc.c.o	3.6										
Portland Bill	1023.4	60	WSW	5	c	?	0	60	0	WSW	5	W	c	4	-	61	59	c	c.o	c.b	*										
Dungeness	1021.5	61	SW	5	o	1022.6	0	60	0	WSW	6	SW	c	5	-	64	59	o.be	bc.o	c.be	*										
Dover	1020.9	59	WSW	5	b	1021.6	+1	59	0	WSW	5	SW	o	6	-	65	57	bc	bc.c.bj	b.be.c	2.1										
Wick	1005.0	48	SSW	2	o	992.4	-3	58	+14	WSW	4	W	o	4	11	59	43	begp.c	c.o	md.op	*										
Nairn	1005.6	49	-	0	ogd	994.4	*	58	+13	W	4	-	ogqp	3	27	58	44	c.og	og	orq	0.1										
Aberdeen	1007.8	51	SW	2	omr	997.3	-3	60	+13	SW	4	W	c	3	6	61	47	bc.c.o	omr	omr.c	1.0										
Leith	1008.3	52	W	1	r	1000.8	-2	59	+10	WSW	6	-	r	5	3	60	49	or.o	od.om	r.ogr	*										
Tynemouth	1010.7	54	SW	1	ogm	1007.6	-2	60	+8	SW	4	W	cmg	3	1	61	51	ogm	ogmd	cmg	*										
Spurn Head	1014.7	58	W	4	c	1016.4	0	56	0	WSW	5	-	eg	4	1	60	54	om	o	beg	0.0										
Yarmouth	1017.5	62	W	3	bc	1017.9	0	58	+1	W	5	-	beg	4	-	65	56	bc.o	o.be	bc.cq	0.5										
Clacton-on-Sea	1020.1	61	WSW	4	bc	1021.1	0	59	0	WSW	4	W	o	3	-	64	58	bc.c.o	o.c.bc	bc.c.og	2.2										
Nottingham	1017.1	62	W	3	c	1016.9	0	59	+5	W	3	W	c	*	-	64	54	c.o	o.c	c.	0.0										
Benson (Oxon.)	1021.5	61	WSW	3	o	1021.4	0	57	+1	SSW	4	-	o	*	-	63	56	c.o	o	?	*										
Sth Farnborough	1022.3	62	W	3	o	1022.3	0	58	+2	SW	3	-	o	*	-	64	56	c.o	o	o	0.2										
London (Kew Obs.)	1022.4	62	WSW	3	o	1022.2	0	59	+1	SW	4	-	o	*	-	64	58	c.o	o.c.o	o	0.2										
NORTHERN EUROPE.																															
Spitsbergen	985.7	12	-	0	bc	986.6	+1	12	+2	-	0	*	o	*	*	18	12	UPPER AIR. South Farnborough. Pilot Balloon Ascent at 7.30 a.m. 12th. 600 metres W/S 13 metres per sec. 300 " WSW 8 " Surface SW/W 8 "													
Vardö	982.6	37	S	2	o	986.9	+3	34	-2	?W	2	-	bc	4	*	37	34														
Bodö	991.0	37	N	4	c	994.7	0	36	-5	NW	2	-	c	2	?	41	32														
Christiansund	999.0	43	NW	4	c	997.7	-6	43	-2	W	1	-	o	3	4	46	41														
Skudesnaes	1003.0	46	-	0	c	995.9	-9	46	-4	S	7	-	r	5	6	50	45														
Færder (X'aniafjord)	998.4	52	W	4	b	1002.0	-1	46	-4	WSW	1	-	o	3	-	54	46														
The Scaw (Skagen)	999.1	52	W	8	b	1003.9	-1	50	0	W	3	-	o	3	-	54	36														
Blaavands Huk	1009.6	54	WNW	7	o	1007.1	-3	55	0	W	4	-	r	4	2	55	50														
Copenhagen	1003.9	52	WNW	8	bc	1009.3	0	50	-5	W	3	-	r	*	Trace	55	46														
Bornholm	1000.4	52	WNW	10	m	1009.5	+1	50	-2	WNW	6	-	m	2	1	54	48														
FRANCE, &c.																															
The Helder	1015.3	61	SW	6	o	1016.7	0	61	+2	SW	6	W	c	4	-	61	59	GALES Duration and Extreme Force in British Islands. Glasgow. 11th Midt - 12th 5 a.m. SW 8 in Squalls Eskdalemuir. 11th Midt. SW 8 Gust SW 24 m.p.s 12th 4 a.m. SW 8 Malin Head. 12th 7 a.m. SW 8 Blacksod Point. 11th 9.30 p - 12th 7 a.m. SW 8.													
C. Gris Nez	1022.4	59	W	6	o	1023.1	0	59	-1	WSW	7	*	o	4	-	63	59														
La Hève	1025.9	61	WSW	4	bc	1026.9	*	59	+1	WSW	4	*	o	4	-	63	54														
Brest (St. Mathieu)	1029.5	61	W	3	o	1029.1	0	60	0	WSW	3	*	o	3	-	63	57														
Rochefort (Ile d'Aix)	1030.6	61	NW	3	b	1030.1	0	54	-1	E	2	*	b	*	Trace	68	52														
Biarritz	1029.1	64	N	2	b	1028.3	0	57	-6	-	0	*	m	2	-	70	55														
Paris	1027.7	57	SW	2	b	1029.0	0	55	+5	SSW	2	-	o	*	-	66	50														
Belfort	1029.6	57	W	3	c	1031.3	*	52	-1	WSW	4	*	c	*	-	65	49														
Lyons	1029.7	61	-	0	b	1031.5	*	53	0	-	0	*	b	*	-	72	49														
Nice	1027.5	58	-	0	b	1028.4	+1	55	-4	E	2	*	bc	2	-	70	54														
Perpignan	1027.7	61	-	0	b	1028.0	0	57	0	SW	1	-	b	*	-	73	55														
Sanguinaire	*	69	N	3	b	*	*	63	-1	E	3	*	b	1	-	77	54														
SOUTHERN STATIONS.																															
Corunna	1027.3	64	NW	3	b	1027.1	+1	59	+7	SE	4	-	b	3	-	66	55	11th Midt. SW 8 Gust SW 24 m.p.s 12th 4 a.m. SW 8 Malin Head. 12th 7 a.m. SW 8 Blacksod Point. 11th 9.30 p - 12th 7 a.m. SW 8.													
Madrid	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*														
Lisbon	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*														
Azores (Horta)	1026.4	*	SSW	4	c	*	*	*	*	*	*	*	*	*	*	*	*														
Madeira	1023.4	73	NE	3	bc	1022.6	0	66	-2	NE	3	-	b	3	-	75	66														
Gibraltar	1027.4	69	E	4	bc	1027.1	*	68	-1	E	5	*	bc	3	-	70	67														
Malta	*	*	*	*	*	1025.9	+1	70	0	NNE	3	-	b	2	-	75	68														
Limassol	*	*	*	*	*	1016.0	0	77	+5	-	0	-	b	1	-	88	55														
Alexandria	1018.7	72	NE	3	b	1018.6	0	73	0	NE	2	NE	b	1	-	81	70														
Cairo (Helwan)	1016.8	72	N	3	b	1017.1	+2	70	+2	N	1	-	b	*	-	84	64														
LONDON OBSERVATIONS.																															
Humidity.		Sun- shine for Yester- day.		24 HOURS ENDED 9 h. To-Day.		TEMPERATURE.		Rain- fall.		WEATHER.		SOUTH KENSINGTON.																			
15 h. Yester- day.		9 h. To- day.		Hours.		°F.		°F.		°F.		mm.		Morn- ing.		After- noon.		Night.		Vertical Component of Solar Radiation per square Centimetre during Yesterday.											
GREENWICH (Royal Observatory)		78		79		0.7		65		58		53		-		o		o		c.c.o		Total. Average Rate. Max. Rate.									
CITY (Bunhill Row)		78		77		0.4		66		59		55		-		bc		bc		o		Joules. Milli-watts. Milli-watts.									
WESTMINSTER (St. James's Park)		78		77		0.4		66		59		55		-		bc		bc		o		490 12.4 34									
CAMDEN SQ. (British Rainfall)		73		73		0.7		65		58		54		-		c.o		o		*		Temperatures at Greenwich and Cam- den Square are from Glaisher screens.									
HAMPSTEAD (Reservoir)		73		73		0.7		65		58		54		-		c.o		o		*											
S. KENSINGTON (Museum Grounds)		73		74		0.1		65		59		56		-		o		o		o											
RICHMOND PARK		73		74		0.1		65		59		56		-		o		o		o											

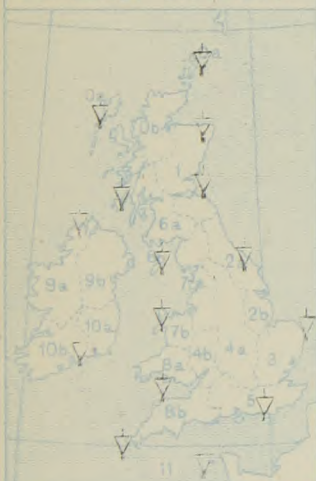
BAROMETER, WIND AND WEATHER FOR 11TH OCTOBER 1916.

Note.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



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 this morning.

Western Channel and Bay

Squally South-Westerly to Westerly wind, strong to a gale; unsettled, some rain; mild.

Northern part, fresh to strong S.W. wind; southern part, moderate Easterly breeze; sea rather rough; changeable, local showers, mist or fog; mild.

FURTHER OUTLOOK.

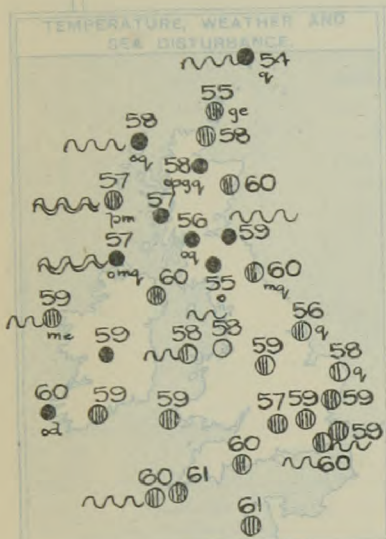
R. G. K. LEMPFFERT, Superintendent, Forecast Division.

NAPIER SHAW, Director

SYNOPTIC CHART FOR THE MORNING OF THURSDAY, 12TH OCTOBER, 1916.

GENERAL INFERENCE.

The indications favour the continuance of the disturbed conditions.



EXPLANATION.

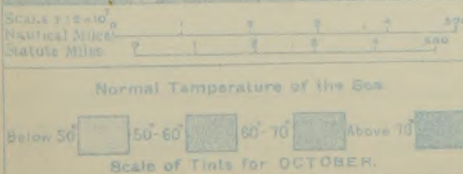
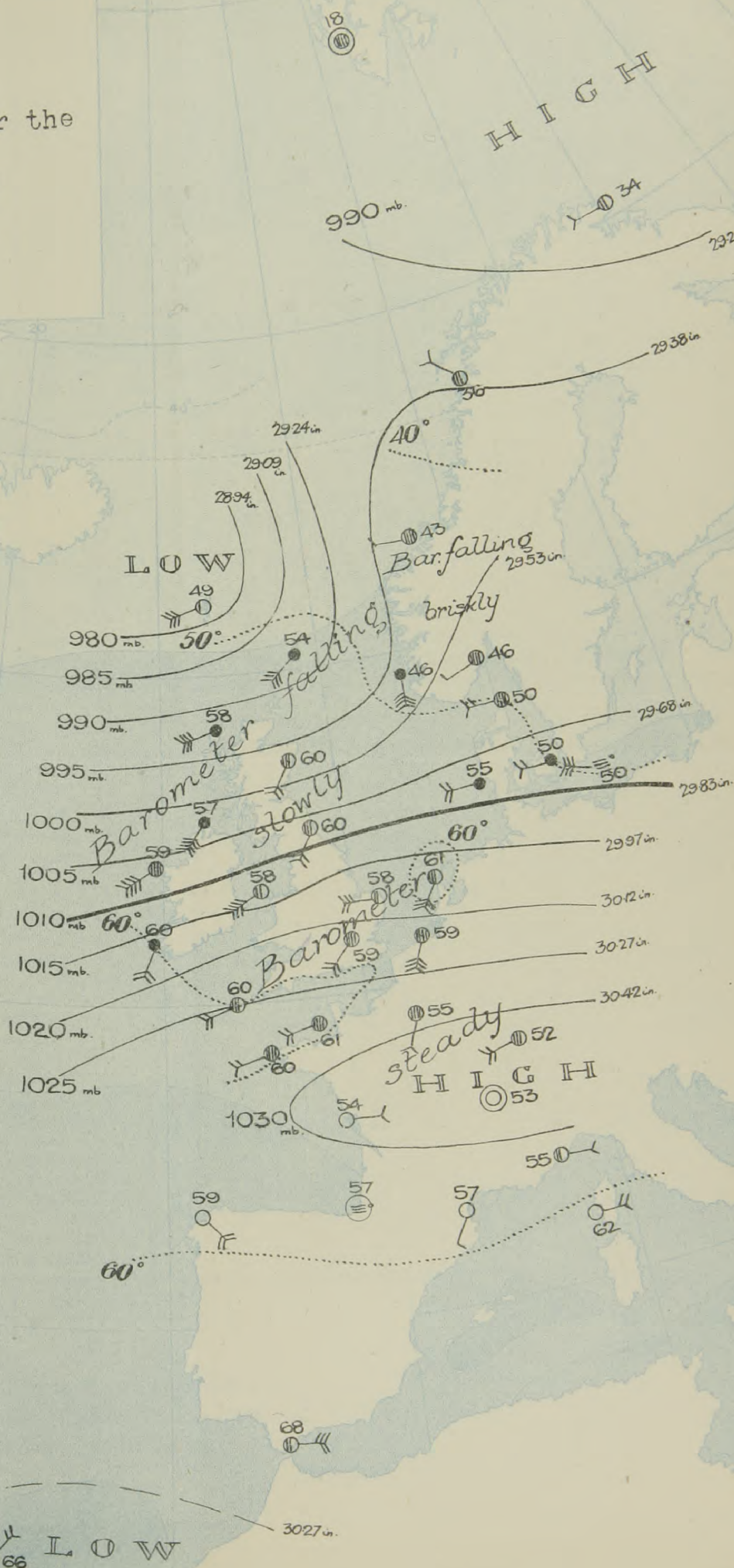
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

SEA DISTURBANCE.—Rough. High.



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.		
			Force 0-12.	Dirac.		Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Force 0-12.	Dirac.	Max.			Min.	Dry Bulb.			Change in 24 hours.	Force 0-12.	Dirac.				
RUSSIA 7 a.m. and 9 p.m. Local Time.																								
Archangel ...	996.6	25	—	0	o										° F	° F			° F	° F				
Gorki ...	1008.8	48	W	3	o	1008.3	0	43		W	1	o	—	*	43		Isafjord ...	993.9	34	-2	—	o	c	
Velieki Luki ...						1005.1	*	46	+12	S	3	o	3	*	43		Reykjavik	992.7	37	-4	E	4	c	
Hangö ...	999.3	45	—	0	bc	991.4	-9	46		S	4	r	—	*	43		Vestmanna	993.5	39	-4	NE	8	o	
Riga ...	1006.9	46	SW	2	c	998.4	-8	48		S	7	r	1	*	45		Seydisfjord	997.2	34	-3	—	o	b	
Petrograd ...	996.6	43	W	5	r	997.1	-10	45		SW	3	r	8	45	21		Thorshavn	995.2	41	-4	—	o	o	
Moscow ...	1004.6	46	SSW	2	o	1006.0	+1	45		WSW	3	c	4	*	45									
Kiev ...	1018.0	54	N	2	o	1019.0	0	50		W	3	c	—	*	46									
Kharkov ...	1017.3	50	WSW	2	o	1017.5	+2	50		W	1	b	—	*	48									
Kishinev ...	1025.1	57	SW	1	b	1025.6	0	43	-5	NW	1	c	—	*	41									
Elisabetgrad ...	1019.8	64	WNW	4	bc	1021.9	+2	52		WSW	3	o	—	*	52									
Nicolaiev ...	1022.7	57	—	0	b	1023.9	*	50		—	0	b	—	*	48									
Odessa ...	1024.4	59	WNW	3	b	1024.3	0	55		WSW	2	b	—	*	54									
Tarkhankout...	1025.5	61	SW	2	b	1025.6	*	55	-4	SW	2	b	—	*	59									
Soukhoum ...	1025.2	54	—	0	b	1027.5	+3	54		ENE	1	o	8	*	48									
MEDITERRANEAN.																								
Venice ...	1027.1	51	—	0	bc	1027.7	*	59	-2	SW	1	f	—	64	57									
Pesaro ...	1027.7	66	—	0	o	1024.4	*	61	+4	—	0	b	—	68	59									
Rome ...	1027.3	66	—	0	b	1028.1	*	57	0	N	1	b	—	75	58									
Viesti ...	1026.9	70	NW	2	b	1028.3	*	64	0	—	0	b	—	73	59									
Brindisi ...	1029.2	66	WSW	1	b	1028.8	*	61	-9	NW	1	b	2	68	59									
Cagliari ...	1025.6	72	SE	3	b	1024.4	*	63		NW	2	o	5	75	50									
Palermo ...	1026.0	70	—	0	c	1027.4	*	66	-6	—	0	e	—	75	57									
Tripoli ...	1023.7	75	ENE	2	c	1024.0	*	75	+9	SSW	2	b	—	79	64									
Algiers ...	1024.6	70	NE	2	b	1025.9	+1	66	0	—	0	b	—	73	64									
SWEDEN.																								
Hernösand ...	994.9	43	—	0	b	984.2	*	41	+2	N	2	b	*	*	*									
Stockholm ...	1001.0	50	W	2	o	982.0	*	45	-3	WSW	6	r	*	*	*									
Wisby ...	1005.2	52	SW	4	r	985.6	*	50	-2	WSW	8	o	*	*	*									
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. 13h-9h.	Day. 9h-18h.	Max.	Min.	Forenoon.	Afternoon.				Night. 13h-9h.	Day. 9h-18h.	Max.	Min.	Forenoon.	Afternoon.							
Scotland.	{	Oban	1	7	54	49	or	o	0.0	England, E.	{	Lowestoft	-	-	66	50.	o.c	c.	1.44				
		Banff	1	-	52	44	b bc	bc c	1.9			Felixstowe	-	-	64	57.	bc	bc.	2.2				
		Montrose	-	-	62	46	c	g	0.3			Walton-on-Naze	0.2	-	64	58.	b.bc.b	b.c.bc	1.8				
		Carnoustie	*	*								Southend-on-Sea	-	-	?	57.	g.c.bc	g.c.bc.	1.4				
		St. Andrews... ..	2	-	59	46	o	c	2.2														
Engl. N.E.	{	Harrogate	0.4	1	60	49	r o	o	0.0	England, S.E.	{	Margate	-	-	67	57.	c	c	1.1				
		Skegness	7	-	62	53	og	og.c.	0.0			Ramsgate	-	-	66	56.	c	bc.c.	1.3				
Engl. N.W.	{	Morecambe	5	4	60	50		-	0.0		{	Hastings	-	-	65	59	op.bc.	bc.o	1.1				
		Southport	0.1	-	62	56	og bc	o	1.3			Eastbourne	0.2	-	63	60.	o.bc.o.	bc.og.	0.3				
Midlands.	{	Leamington Spa	1	-	63	53	c	c	0.2		England, S.W.	{	Seaford	*	*	62	60.	o	o	0.6			
		Malvern	1	-	63	54	c	c	0.0				{	Brighton	-	-							
		Ross-on-Wye	1	-	64	54	c bc	bc og	1.4					Worthing	-	-	64	59	o.c	bc.	0.5		
Wales.	{	Rhyl	1	-	65	50	bc c	bc c	1.5			{		Littlehampton	-	-	62	59	o	o.	0.1		
		Colwyn Bay... ..	*	*	65	56	bc	bc o	0.4				{	Bognor	*	*	63	59	bc	bc.	0.3		
		Llandudno	*	*	62	57	c	c	1.6					{	Bournemouth	-	-	63	57	c	c	0.1	
		Aberystwyth	*	*	62	57	r.o.c	c.o	0.2	{					Weymouth... ..	*	*	65	59.	z.bc.	bc.c	1.3	
		Tenby	1	-	62	51	bc c	o	0.0						{	Torquay	0.3	-	65	59	c	c.	3.3
																{	Paignton	*	*				
								{	Penzance			-					-	64	59	bc.	c.bc.	6.5	
									{		Newquay	-	-				63	58	b.	b.	2.8		
											{	Bude	0.4	-			61	58.	o	o.	0.0		
										{		Ilfracombe	-	-			61	57.	c	c.	0.0		
												{	Weston-s-Mare	-	-		63	57.	c.bc.	b.c.	0.2		

NOTES ON YESTERDAY'S WEATHER.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW.			
12th & 13th October, 1916.			
	Sunrise.	Noon.	Sunset.
	G. M. T.	G. M. T.	G. M. T.
Yarmouth {	6.15 6.17	11.40 11.39	5.4 5.1
Greenwich {	6.21 6.22	11.47 11.46	5.13 5.10
Wick {	6.44 6.46	11.59 11.58	5.14 5.11
Valencia {	7.2 7.4	12.28 12.27	5.53 5.50

Temperature continued above the normal. Rain fell in the north and west, 27 mm at Wick. As a rule there was little or no sunshine, but Penzance had 0½ 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; 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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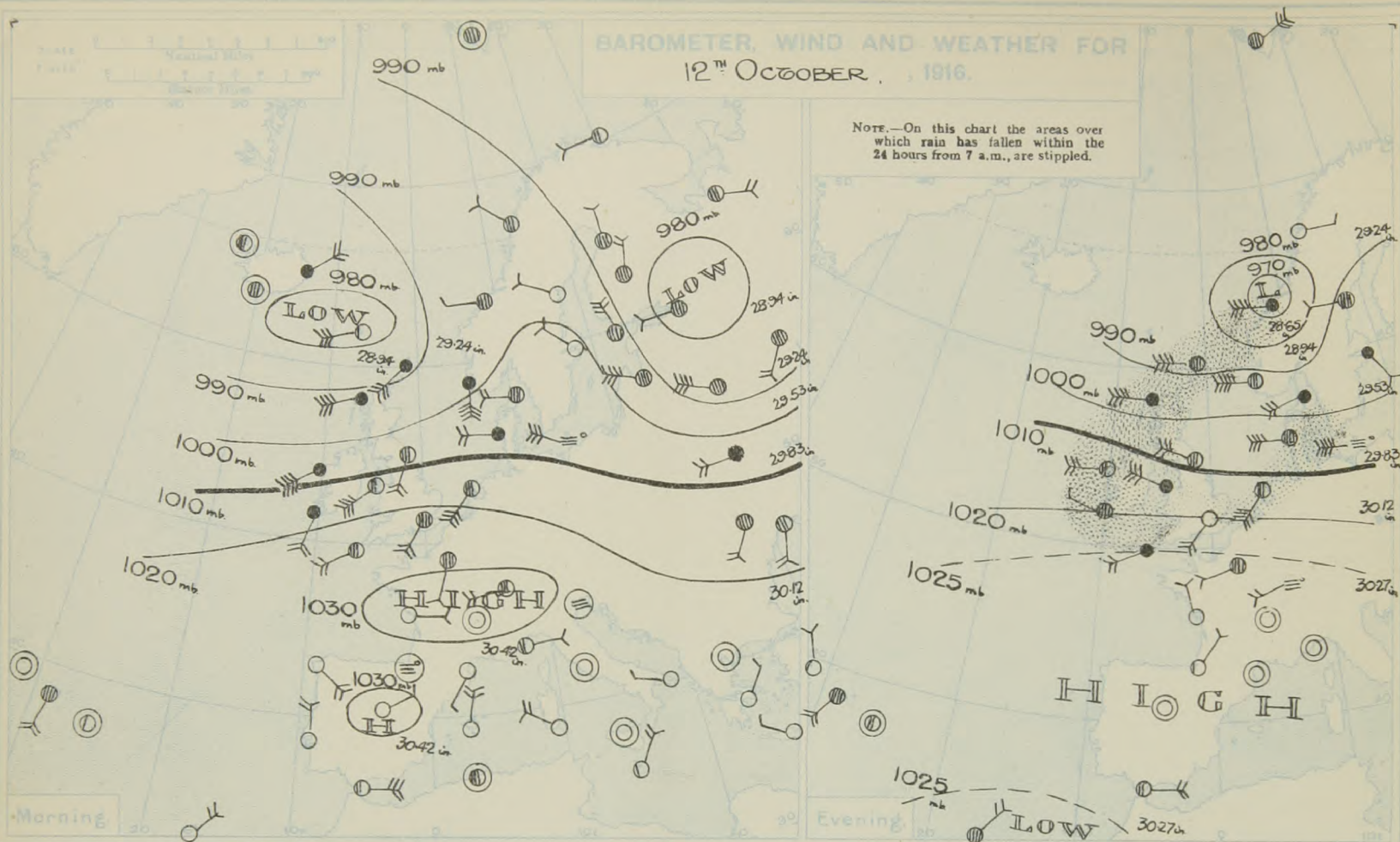
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 287

Friday, 13th October

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.								
			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	988.0	49	W	7	og	1005.6	+5	46	-8	WNW	4	W	bc	4	4	54	45	ogp	o cgp	bcq	*					
Deerness (Orkney)	993.2	47	W	7	ogp	1009.1	*	47	-8	WNW	4	W	b	3	12	57	47	ou c bc	bcq	atp bc	1.5					
Stornoway	998.8	44	W	7	rg	1011.1	+1	46	-12	W	3	-	cp	3	7	58	46	or bcq	bcq	bc cgp	3.2					
Castlebay (Barra Isd.)	1006.5	54	W	8	ep	1013.8	0	51	-6	SW	4	W	bc	4	1	57	50	omp bc	bc op	o bc op	2.9					
Glasgow	1009.5	52	WSW	5	c	1016.5	+1	49	-7	SW	2	W	cm	*	6	59	47	ogp o	ogp bc	c bcm	0.6					
Eskdalemuir	1011.3	50	WSW	6	bc	1018.7	+2	44	-11	SSE	1	-	o	*	9	59	41	orm	or c bc	bc b bc	0.1					
Malin Head	1010.5	55	W	8	cq	1016.0	-1	52	-5	SSW	4	W	cm	6	2	58	49	cmq	bcq	bcq	2.3					
Blacksod Point	1016.1	53	W	5	bcm	1016.7	-2	53	-6	SSW	2	-	cm	3	0.3	58	51	cm	bcm	bc	*					
Valencia	1020.0	57	WNW	1	o	1018.4	-2	59	-1	SSE	3	-	o	4	4	62	52	odp c	odp	c ond	0.0					
ROCHE'S POINT.																										
Roche's Point	1020.7	61	W	2	o	1020.2	*	55	-4	SE	1	-	f	3	2	61	54	ond	md og	od ofe	*					
Birr Castle	1017.5	57	SW	3	o	1018.7	*	51	-8	SE	1	-	r	*	4	62	50	or	or g	c or	0.0					
Donaghadee	1013.0	55	W	4	bcm	1018.6	0	45	-15	WSW	2	W	bcm	1	2	64	44	omgp	og bcm	bm bcm	*					
Liverpool (Bidston)	1014.2	61	SW	4	o	1021.0	0	50	-8	SSW	2	S	c	2	3	63	50	boq	o	p o c	1.8					
Holyhead	1016.0	59	WNW	6	omr	1020.5	0	53	-5	SW	3	W	cg	2	4	61	51	ogp c	o cp o	or c bc	0.0					
Pembroke (St. Ann's)	1020.0	58	SW	4	fe	1021.7	0	57	-2	S	1	-	o	4	4	60	55	og	og d f	c d or	0.2					
SCILLY (St. Mary's).																										
Scilly (St. Mary's)	1025.4	59	WSW	4	md	1024.7	0	59	-1	WSW	4	-	f	5	1	62	58	cpd bc	bc om	ond fe	3.0					
Falmouth	1024.4	59	WSW	5	dq	1023.9	+1	59	0	SW	4	-	mcl	*	4	64	59	og bcq	bcq og	md	3.0					
Jersey (St. Aubin)	1026.6	61	WSW	4	o	1026.7	*	60	-1	SW	3	SW	c	3	-	64	60	o	og c og	og c	0.3					
Portland Bill	1022.9	60	WSW	6	o	1023.2	0	60	0	WSW	6	-	od	5	-	62	59	c o	o	o	*					
Dungeness	1021.2	61	WSW	6	bc	1023.1	0	60	0	WSW	5	-	gr	5	1	64	59	c o c	c	bc op	*					
Dover	1022.0	59	SW	6	c	1023.5	+1	59	0	SW	4	SW	r	4	3	65	58	o c bc	bc c	c or f	5.8					
WICK.																										
Wick	996.2	47	W	5	r	1010.8	+4	43	-15	W	2	-	bc	2	5	62	42	omgp	p c lgr	qpl bc	*					
Nairn	999.9	52	W	7	oug	1011.8	*	45	-13	-	0	-	bc	1	1	63	44	qp eg	g bc c	qp c	5.3					
Aberdeen	1002.0	53	WSW	5	b	1013.8	+3	44	-16	SW	1	-	b	2	-	69	44	bcq b	bcq b	bcq	3.4					
Leith	1007.0	54	WSW	5	b	1015.5	+1	48	-11	SW	1	SW	b	2	1	63	47	r og c	c bc p b	o bc b	*					
Tynemouth	1008.8	58	WNW	5	cmq	1018.4	+3	50	-10	W	2	-	bm	3	-	66	50	cmq p	cmq	bm	*					
Spurn Head	1013.2	62	WSW	6	cg	1021.6	+1	53	-3	WSW	2	-	o	4	-	65	51	bcq	cg	cg	4.6					
YARMOUTH.																										
Yarmouth	1016.7	62	W	5	c	1023.0	+4	52	-6	WNW	2	-	or	2	1	69	52	bcq	bcq	ad	8.5					
Clacton-on-Sea	1019.6	61	SW	4	bc	1022.3	+1	60	+1	SW	2	-	o	2	-	66	58	og c bc	bc	bc c og	5.6					
Nottingham	1015.9	62	W	4	o	1021.7	*	52	-7	SW	1	SW	c	*	2	68	52	c bc	bc op	or	5.3					
Benson (Oxon.)	1020.4	60	SW	4	bc	1021.9	0	60	+3	SW	3	-	ed	*	0.1	66	57	o	bc	bc o	*					
St. Farnborough	1020.9	59	SW	3	bc	1022.0	0	60	+2	SW	3	-	or	*	0.2	67	58	o c o c	bc o b c	bc or	3.0					
London (Kew Obsv.)	1021.2	60	SW	4	b	1022.5	0	61	+2	SW	3	-	or	*	1	66	59	o c o	o c o c bc b	b bc o or	1.9					
NORTHERN EUROPE.																										
Spitsbergen	988.3	14	ENE	6	o	990.6	+2	12	-6	NNW	6	*	bc	*	*	19	12	UPPER AIR. South Farnborough. Pilot Balloon Ascent at 4.25 PM 12th 1,800 metres W/S 23 metres per sec. 1,500 " W/S 20 " 1,200 " W/S 20 " 900 " W/S 21 " 600 " WSW 15 " 300 " SW 13 " Surface SW W 7 " Aberdeen at 8 AM 13th 1,500 metres WNW 13 metres per sec. 1,200 " W/N 14 " 900 " W/N 18 " 600 " W/N 12 " 300 " W/S 9 " 150 " W/S 8 " Surface SW 2 "								
Vardo	985.1	34	E	1	b	962.6	+5	36	0	E	1	-	b	1	-	34	30									
Bodo	985.1	34	E	1	b	962.6	+5	36	0	E	1	-	b	1	-	34	30									
Christiansund	966.9	45	W	7	r	987.9	+16	43	0	NW	6	-	r	5	23	48	41									
Skudesnaes	993.2	52	W	9	c	1002.6	+5	50	+4	NW	11	-	c	8	-	54	48									
Færder (X'aniafjord)	986.7	55	SW	7	b	989.3	0	52	+6	WSW	10	-	m	5	-	54	46									
The Scaw (Skagen)	994.6	55	WSW	5	r	993.1	+2	52	+2	W	9	-	m	9	3	55	43									
Blaavands Huk	1005.5	59	W	7	o	1012.8	+3	54	-1	WNW	8	-	c	5	Trade	57	52									
Copenhagen	1003.5	57	W	5	r	1008.8	+5	54	+4	WNW	8	-	b	*	11	59	48									
Bornholm	1003.1	54	W	9	m	1006.9	+5	52	+2	WNW	10	-	m	3	7	55	52									
FRANCE, &c.																										
The Helder	1015.1	61	SW	7	c	1021.3	+3	59	-2	W	2	-	c	3	1	63	59	GALES. Deerness 12th 5pm W 8 Stornoway 12th 6pm Squalls W 8 Castlebay 12th 3p.m.-7p.m W 8 Ex W 9 at 4pm Eskdalemuir 12th 1pm Gust SW 18 m.p.s. 12th 2pm " W 13 " 12th 10pm " WSW 21 " Malin Head 12th 7am-11pm W 8 Ex W 9 at 7pm Blacksod Point 12th 7am-8am SW 8 Dover 12th 3pm SW 8 Aberdeen 12th 10pm Gust WSW 24 m.p.s. 12th 2pm " WSW 25 " 12th 8pm " WSW 21 "								
C. Gris Nez	1023.3	61	SW	7	o	1024.8	+1	59	0	SW	5	*	r	5	1	61	59									
La Hève	1027.0	59	WSW	4	o	1025.9	*	58	-1	SW	4	*	o	5	-	63	55									
Brest (St. Mathieu)	1028.3	62	WSW	3	o	1027.3	0	60	0	SW	3	*	o	3	-	63	59									
Rochefort (Ile d'Alx)	1028.0	65	NNW	2	b	1028.2	0	55	+1	ESE	2	*	b	*	-	75	52									
Biarritz	1025.5	69	NE	2	b	1027.3	+1	57	0	-	0	*	m	2	-	79	57									
Paris	1028.0	59	SW	2	o	1028.6	+1	55	0	SSW	2	-	o	*	-	61	55									
Belfort	1029.2	56	WSW	3	m	1030.9	*	52	0	WSW	4	*	m	*	-	65	50									
Lyons	1029.2	58	-	0	b	1031.1	*	48	-5	-	0	*	f	*	-	68	46									
Nice	1028.0	60	-	0	o	1027.5	+1	58	+3	-	0	*	o	2	-	68	54									
Perpignan	1027.1	61	-	0	b	1028.4	+2	55	-2	W	1	-	o	*	-	72	50									
Sanguinaire	*	*	-	0	b	*	*	*	*	*	*	-	o	*	-	*	*									
SOUTHERN STATIONS.																										
Corunna	1026.3	63	NNE	1	b	1027.5	+2	57	-2	-	0	-	m	2	-	68	54	GALES. Deerness 12th 5pm W 8 Stornoway 12th 6pm Squalls W 8 Castlebay 12th 3p.m.-7p.m W 8 Ex W 9 at 4pm Eskdalemuir 12th 1pm Gust SW 18 m.p.s. 12th 2pm " W 13 " 12th 10pm " WSW 21 " Malin Head 12th 7am-11pm W 8 Ex W 9 at 7pm Blacksod Point 12th 7am-8am SW 8 Dover 12th 3pm SW 8 Aberdeen 12th 10pm Gust WSW 24 m.p.s. 12th 2pm " WSW 25 " 12th 8pm " WSW 21 "								
Madrid	1025.2	75	-	0	b	1029.1	+2	59	-2	-	0	-	b	*	-	77	54									
Lisbon	*																									
Azores (Horta)	1025.7	*	SSW	4	o	1019.1	0	72	+6	NE	5	E	c	3	-	75	68									
Madeira	1020.8	73	NE	3	o	1025.7	*	68	0	E	5	*	b	3	-	71	67									
Gibraltar	1027.1	69	E	4	bc	1028.7	*	68	0	E	5	*	b	3	-	71	67									
Malta	*	*	*	*	*	1017.3	+3	70	-7	-	0	-	b	1	-	88	55									
Limassol	*	*	*	*	*	1019.5	+3	73	0	NE	2	N	bc	1	-	79	68									
Alexandria	1019.5	72	NNE	3	b	1018.7	+3	68	-2	N	2	-	b	*	-	84	64									
Cairo (Helwan)	1017.5	72	NNE	4	b	1018.7	+3	68	-2	N	2	-	b	*	-	84	64									
24 HOURS ENDED 9 h. To-Day.																										
LONDON OBSERVATIONS.		Humidity.		Sun- shine for Yester- day.	TEMPERATURE.				Rain- fall.	WEATHER.			SOUTH KENSINGTON.													
13 h. Yester- day.		9 h. To-day.			Max.	Min.	Min. on Grass.	Morn- ing.		After- noon.	Night.	Vertical Component of Solar Radiation per square Centimetre during Yesterday.														
GREENWICH (Royal Observatory)		%	%	Hours.	F	F	F.	mm.				Total.														
CITY (Bunhill Row)		74	98	1.5	67	58	53	1	0	o bc	bc o or	Average Rate.														
WESTMINSTER (St. James's Park)		*	*	1.8	*	*	*	*	*	*	*	Max. Rate.														
CAMDEN SQ. (British Rainfall)		67	96	1.9	66	60	56	2	0	c bc	*	Joules.														
HAMPSTEAD (Reservoir)		*	98	1.1	63	52	47	2	c	om b	bc omr	Milliwatts.														
S. KENSINGTON (Museum Grounds)		*	97	1.6	66	60	57	1	bc o	o bc	bc o or	Milliwatts.														
RICHMOND PARK		*	*	*	*	*	*	*	*	*	*	456														
												Temperatures at Greenwich and Cam- den Square are from Glaisher screens.														
												11.6														
												36														
												11.6														
												36														

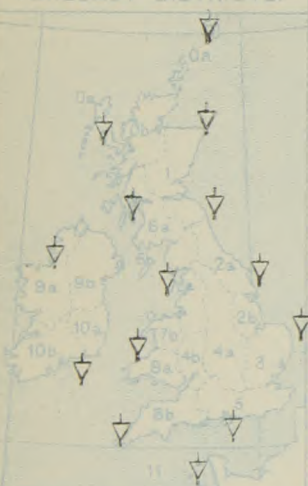
BAROMETER, WIND AND WEATHER FOR 12TH OCTOBER, 1916.

NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



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.

South Cone hoisted 2h30 yesterday.

Western Channel and Bay 1)

Wind between West and South, fresh to strong at times locally; changeable, some rain and mist; mild.

Northern part, moderate to fresh South-Westerly breeze; southern part, variable Easterly breeze; sea moderate to rather rough; fair to dull, local mist or fog; mild.

FURTHER OUTLOOK.

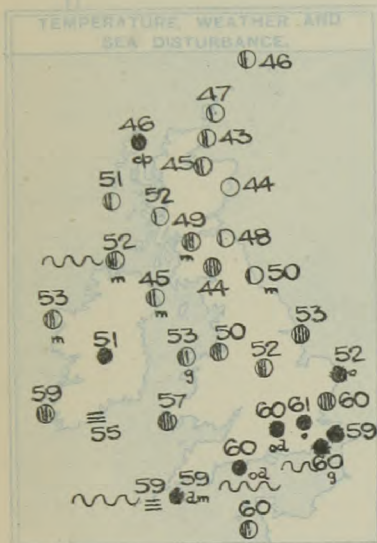
R. G. K. LEMPFRIT, Superintendent, Forecast Division.

NAPIER SHAW, Director.

SYNOPTIC CHART FOR THE MORNING OF FRIDAY, 13TH OCTOBER, 1916.

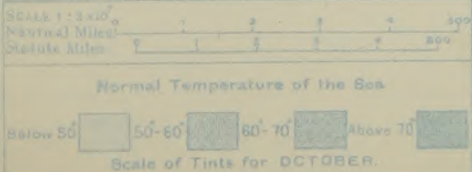
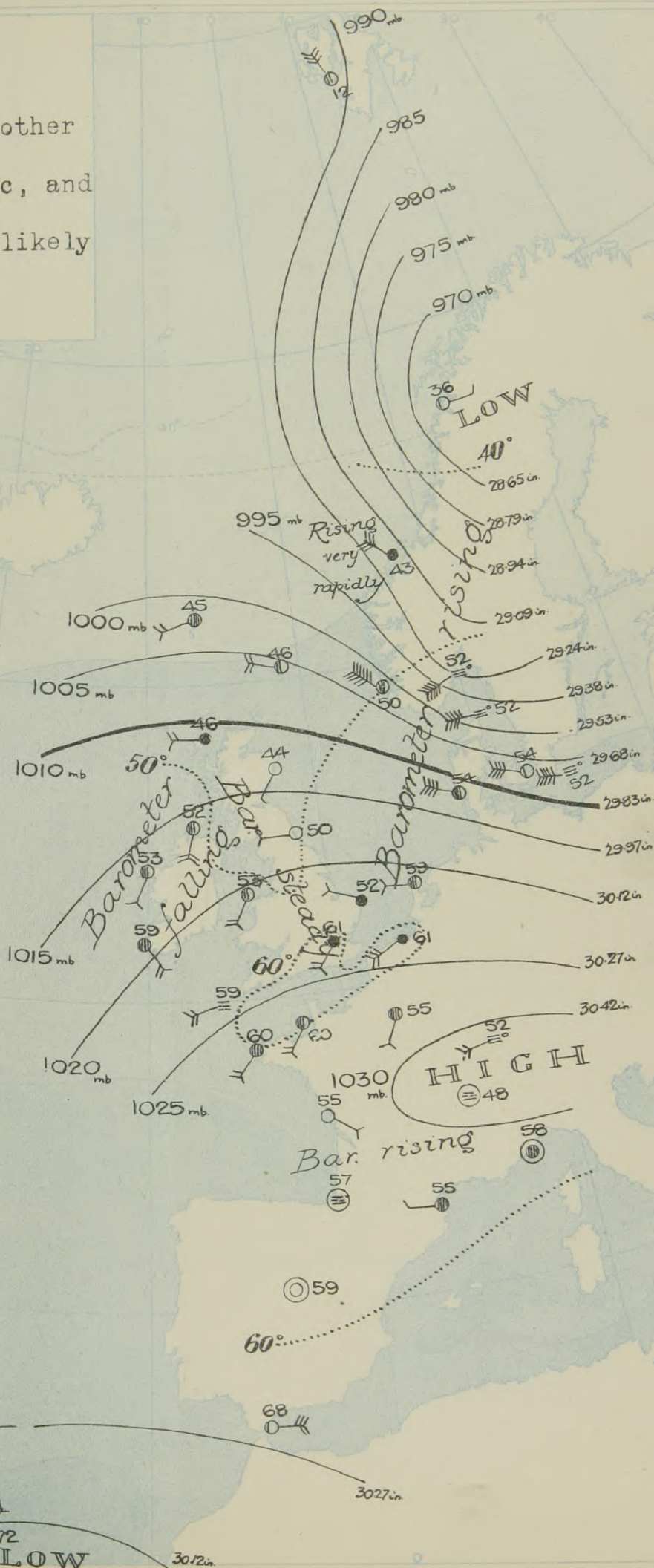
GENERAL INFERENCE.

There are indications of another depression out on the Atlantic, and the conditions therefore are likely to remain unsettled.



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. Milli- bars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	WIND.	Force 0-12.	Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.
			Dir.	Force 0-12.										Max.	Min.	
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	989.9	30	SE	2	0	985.7	-3	30	ESE	3	0	-	28	28	Isafjord ...
	Gorki ...	995.0	54	W	4	r	989.1	?	46	NW	7	0	8	41	41	Reykjavik ...
	Veliki Luki ...	989.7	50	SSW	5	0	982.3	?	45	WSW	5	r	10	45	45	Vestmanna ...
	Hangö ...	974.0	45	WSW	3	0	991.0	?	43	NNW	5	0	7	41	41	Seydisfjord ...
	Riga ...	983.9	48	SW	5	r	994.3	+8	48	WNW	7	0	10	46	46	Thorshavn ...
	Petrograd ...	978.3	46	SSW	4	0	976.8	+3	45	W	2	0	11	48	43	
	Moscow ...	995.8	48	SSW	4	r	987.0	0	45	SW	3	0	12	45	45	
	Kiev ...	1009.7	57	SW	4	0	1006.7	0	46	W	4	r	2	46	46	
	Kharkov ...	1013.7	55	SW	3	0	1005.9	-2	52	WSW	3	r	1	50	50	
	Kishinev ...	1017.7	63	SW	4	0	1014.4	-3	59	SW	3	0	-	43	43	
	Elisabetgrad ...	1016.2	55	SSW	3	b	1009.6	-3	54	WSW	3	r	-	48	48	
	Nicolaiev ...	1019.7	59	S	3	b	1012.8	?	55	SW	3	c	-	50	50	
MEDITERRANEAN.	Odessa ...	1019.0	61	SW	4	b	1013.5	-3	55	WSW	3	0	-	55	55	
	Tarkhankout ...	1022.1	63	SW	4	b	1017.0	?	63	?	?	b	-	61	61	
	Soukhoum ...															
	Venice ...	1026.4	63	-	0	c	1026.8	?	57	-	0	f	-	64	55	
	Pesaro ...	1027.0	51	-	0	b	1027.1	?	55	-	0	f	-	68	52	
	Rome ...	1027.6	64	W	1	c	1027.9	?	57	-	0	b	-	75	54	
	Viesti ...	1027.0	57	NW	1	b	1025.5	?	66	WNW	1	b	-	73	52	
	Brindisi ...	1029.4	63	NW	1	b	1025.2	?	66	WNW	1	b	-	66	61	
SWEDEN.	Cagliari ...	1025.9	72	SE	3	c	1028.3	?	59	NW	3	b	-	73	48	
	Palermo ...	1026.8	68	-	0	0	1027.1	?	68	-	0	b	-	77	57	
	Tripoli ...															
	Algiers ...	1027.0	68	-	0	b	1027.0	-1	68	-	0	c	-	75	64	
SWEDEN.	Hernösand ...	981.1	39	-	0	0	997.5	?	39	WNW	2	b	*	*	*	
	Stockholm ...	981.9	48	WSW	4	r	1002.2	?	41	NW	2	b	*	*	*	
	Wisby ...	988.6	52	WSW	6	0	1003.8	?	48	WNW	6	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-6h.	Day. 6h-12h.	Max.	Min.	Forenoon	Afternoon			Night. 12h-6h.	Day. 6h-12h.	Max.	Min.	Forenoon	Afternoon.				
Scotland.		Mm.	Mm.	F	F		Hr.	England, E.		Mm.	Mm.	F	F		Hr.			
	Oban	16	1	57	48	r.o	bc p.		18.	Lowestoft	-	-	69	50.	bc	bc	9.0	
	Banff	14	-	67	47	bc	b		57.	Felixstowe	-	-	66	57	bc	bc	7.2	
	Montrose	0.3	-	67	50	bc	bc		70.	Walton-on-Naze	-	-	66	57	b	b bc	5.3	
	Carnoustie	*	*							Southend-on-Sea	-	-	65	57	bc	bc	6.1	
St. Andrews	0.4	-	65	50	b.	bc p.	53.											
Engl. N.E.	Harrogate	-	1	63	56	bc	od.	17.	England, S.E.	Margate	-	-	68	56	b	bc	6.6	
	Skegness	-	-	69	56	o.b.	bc	56.		Ramsgate	-	-	66	56	bc	bc	6.2	
Engl. N.W.	Morecambe	-	-	60	53	r.o	o	00.		Hastings	-	-	63	58	o	o	00.	
	Southport	-	1	62	57	r.o	o	07.		Eastbourne	-	-	63	59	o bc	bc o bc	1.0	
Midlands.	Leamington Spa	-	-	66	56	c	c bc	52.		Seaford	-	-	62	59	o	o	0.4	
	Malvern	-	-							Brighton	-	-						
	Ross-on-Wye	-	-	65	58	bc	do	50.		Worthing	-	-	63	59	c	c	0.3	
Wales.	Rhyl	-	-	64	58	bc	c	0.8		England, S.W.	Littlehampton	-	-	63	50	o	o	0.0
	Colwyn Bay	-	-	66	58	bc	bc	2.2			Bognor	-	-	63	59	-	-	0.0
	Llandudno	-	-	63	58	c	c	2.1			Bournemouth	-	-	63	58	o	o	0.5
	Aberystwyth	-	-	61	59	o.c	c.o	0.2	Weymouth		-	-	64	58	c	c	0.2	
	Tenby	-	0.4	61	58	o	o	00.	Torquay		-	-	63	58	o.c	c.o	1.3	
									Paignton		-	-						
									Penzance		-	0.2	65	59	c bc	bc o m	3.2	
								Newquay	-	-	64	58	bc	c	2.2			
								Bude	0.2	-	64	59	o	o.c	2.2			
								Ilfracombe	0.3	1	63	56	bc.c	m r	0.0			
								Weston-s-Mare	-	-	64	58	c.o bc	bc r	1.0			

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

13 th 14 th October 1916.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 6.17 6.19	G.M.T. 11.39 11.39	G.M.T. 5.1 4.59
Greenwich ...	6.32 6.24	11.46 11.46	5.10 5.8
Wick ...	6.46 6.48	11.58 11.58	5.11 5.8
Valencia ...	7.4 7.6	12.27 12.27	5.50 5.48

NOTES ON YESTERDAY'S WEATHER.

High temperatures ruled in all districts. Rain fell at most stations, 12 mm. at Deerness. Sunshine varied considerably, none in several localities, nine hours at Lowestoft.

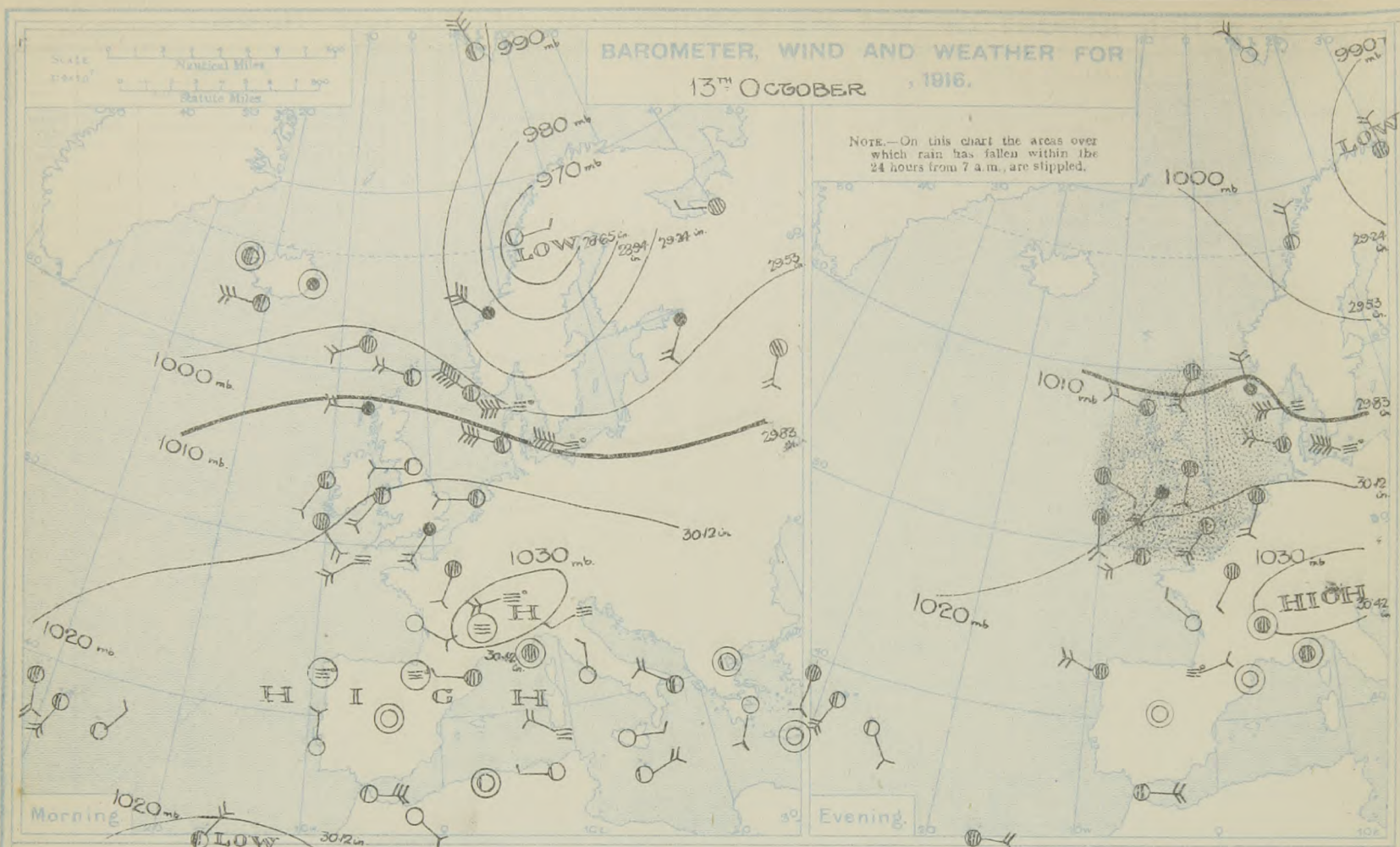
NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; i, lightning; m, mist; n, overcast sky; p, passing showers; q, squalls; r, rain;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

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 288

Saturday
14th October

	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 24 hours.	TEMP. °F.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-3.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
				Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	1006.4	45	SW	3	o	1003.5	-4	45	-1	S	2	-	o	2	4	52	44	bc cp	bc op	bc o	*		
	Deerness (Orkney)	1009.1	46	W	4	bc	1001.7	*	49	+2	SSE	4	-	o	4	3	52	43	bc c op	op c bc	bc c o	0.7		
	Stornoway	1011.8	46	WNW	3	cp	993.6	-18	46	0	SE	6	-	org	5	9	52	43	cp	cp	cgrq	2.2		
	Castlebay (Barra Isd.)	1014.0	51	W	3	bc	989.0	-22	55	+4	SW	6	-	r	6	23	55	50	bc op o	o bc	bc or	0.6		
	Glasgow	1015.1	50	WSW	2	o	999.9	-14	49	0	SE	2	-	omr	*	14	56	46	cp bc o	o c op	ompor	2.3		
	Eskdalemuir	1016.2	49	SW	2	o	1005.7	-10	52	+8	S	4	-	omr	*	12	53	44	bc o c	o bcd o	ood or	1.7		
	Malin Head	1014.8	53	W	3	og	994.2	-14	58	+6	SW	7	-	omgr	6	9	58	50	bc	cg	otrg	0.8		
	Blacksod Point	1015.6	52	ESE	1	og	994.8	-7	61	+8	S	9	-	omr	6	10	61	49	omd	cg	omomr	*		
	Valencia	1016.1	60	S	3	o	1006.8	-5	61	+2	S	5	-	o	5	7	62	59	od	or	o	0.0		
	Roche's Point	1018.7	59	SW	4	r	1011.8	*	59	+4	SSW	5	-	o	5	1	60	54	fd	fd em	od om	*		
	Birr Castle	1015.4	56	SW	1	r	1005.7	*	62	+11	WS	4	-	o	*	17	62	50	or	or	or o	0.0		
	Donaghadee	1015.5	53	-	0	ogmr	1001.5	-10	59	+14	SSW	5	-	o	4	7	59	44	ogm	ogm	omrg	*		
	Liverpool (Bidston)	1016.2	60	SW	3	r	1010.4	-3	61	+11	SSW	5	S	or	4	6	62	50	o	or	o	0.0		
	Holyhead	1015.9	59	SW	5	fr	1007.4	-4	59	+6	SW	7	-	omgp	6	17	59	53	op c f	fe r f	or fom	0.0		
	Pembroke (St. Ann's)	1020.6	59	SW	4	o	1014.7	-2	59	+2	SW	5	-	og	5	1	60	57	ofc	fd f	og dp	0.0		
	Scilly (St. Mary's)	1024.9	59	WSW	4	cm	1021.2	-3	59	0	SW	5	SW	om	5	0.2	60	58	fe om	om cm	cm o	0.0		
	Falmouth	1024.5	60	WSW	4	omd	1019.8	-3	59	0	SW	5	-	0	*	1	61	58	omd	omd	og	0.0		
	Jersey (St. Aubin)	1026.9	62	SW	3	og	1024.4	*	59	-1	W	3	-	og	3	-	63	58	c og	o c og	og cog	0.0		
	Portland Bill	1023.6	60	WSW	5	g	1020.6	-2	60	0	SW	5	SW	c	5	1	61	59	omr	om	o c	*		
	Dungeness	1023.5	60	WSW	3	o	1020.0	-1	60	0	WSW	5	-	o	4	-	61	59	op	o	c om o	*		
	Dover	1023.5	60	SW	4	o	1020.5	-2	59	0	SSW	5	SW	o	6	2	61	58	r pd o	o cnd	ome	0.0		
Wick	1010.5	45	W	2	o	1001.2	-12	50	+7	SSE	5	-	o	4	Trace	53	44	bcg	cp og	bc on	*			
Nairn	1012.7	49	W	1	og	998.8	*	45	0	E	2	-	ogr	2	4	55	43	bc cg	c o	ogp	2.1			
Aberdeen	1012.7	50	SW	3	c	1002.7	-11	49	+5	SSE	4	-	r	3	2	58	44	bz bc	c op c	c or	4.5			
Leith	1014.6	53	W	1	r	1001.0	-17	50	+2	SE	2	-	r	3	8	58	47	bz c o	o	c or	*			
Tynemouth	1016.0	55	SW	2	om	1006.5	-8	52	+2	S	1	-	omgd	2	5	58	49	cm	om	omr	*			
Spurn Head	1016.2	56	SW	2	r	1012.0	-2	58	+5	SW	4	-	o	4	3	59	49	o	or	o	0.2			
Yarmouth	1019.4	61	WSW	3	o	1015.6	-3	60	+8	WSW	6	-	c	5	4	69	50	or	o	c	0.0			
Clacton-on-Sea	1021.4	61	SW	3	u	1018.8	-1	59	-1	SW	4	-	bc	3	5	62	54	ogr	oge	og bce	0.0			
Nottingham	1017.6	64	SW	3	o	1013.2	*	61	+9	SW	4	W	c	1	0.1	64	52	c o	od	o c	0.2			
Benson (Oxon.)	1021.6	59	SSW	3	o	1018.2	-1	59	-1	SSW	4	-	o	*	1	64	58	or	o	o	*			
Sth Farnborough	1022.2	62	SW	4	o	1019.3	-1	59	-1	SW	3	-	o	*	2	67	58	ro	od o	o c o	0.1			
London (Kew Obsy.)	1022.3	63	SW	4	bc	1019.2	-2	60	-1	SW	4	W	o	*	2	66	59	or omr o	o c bc	bc c o	0.0			
NORTHERN EUROPE.	Spitsbergen	995.3	10	NNW	3	b	997.3	+2	3	-9	S	2	*	b	*	*	12	0	UPPER AIR. South Farnborough. Pilot Balloon Ascent at 7.15 a.m. 14th. 300 metres SW W 7 metres per sec. Surface SW 7					
	Vardö	986.1	39	N	3	o	995.3	+5	32		NW	4	-	o	5	*	39	37						
	Bodö	996.5	37	N	3	c	1002.9	+2	37	+1	S	4	-	c	2	-	37	34						
	Christiansund																							
	Skudesnaes	1010.6	46	NNW	4	r	1008.0	0	45	-5	N	1	-	o	4	8	50	43						
	Færder (X'tania Fjord)	1008.3	50	W	2	b	1007.7	0	46	-6	W	1	-	o	3	-	55	46						
	The Scaw (Skagen)	1008.8	54	W	7	m	1009.9	0	50	-2	WSW	2	-	o	2	-	57	45						
	Blaavands Huk	1016.4	54	WNW	4	c	1014.4	-2	50	-4	SW	2	-	r	1	Trace	55	50						
Copenhagen	1014.7	52	WNW	3	b	1014.3	0	50	-4	W	3	-	m	*	-	57	48							
Bornholm	1012.6	54	WNW	10	m	1014.4	+1	52	0	WNW	4	-	m	1	-	54	50							
FRANCE, &c.	The Helder	1020.2	57	SSW	3	o	1016.0	-2	61	+2	SW	7	-	c	5	-	61	57	GALES Duration and Extreme Force in British Islands. Blacksod Point 14th 7 a.m. S 9					
	C. Gris Nez	1023.9	60	WSW	5	o	1021.2	-2	59	0	SSW	6	*	o	5	2	61	59						
	La Hève	1027.1	58	SW	4	o	1024.7	*	56	-2	SSW	4	*	b	4	-	61	55						
	Brest (St. Mathieu)	1028.2	59	SW	3	b	1025.1	0	59	-1	SW	3	*	0	3	-	63	57						
	Roche fort (Ile d'Aix)	1027.7	62	NW	1	b	1026.1	-1	55	0	ESE	2	*	b	*	Trace	73	52						
	Biarritz	1027.3	62	ENE	2	m	1027.1	-2	61	+4	WSW	2	*	m	3	-	64	52						
	Paris	1028.3	59	W	1	o	1026.3	0	52	-3	SW	2	-	o	*	-	61	50						
	Belfort	1030.3	52	W	3	m	1030.1	*	46	-6	WSW	3	*	f	*	-	56	46						
SOUTHERN STATIONS.	Lyons	1030.3	54	-	0	o	1030.0	*	51	+3	-	0	*	f	o	-	56	51	Vertical Component of Solar Radiation per square Centimetre during Yesterday. Total. Average Rate. Max. Rate. Joules. Milliwatts. Milliwatts. 262 6.7 23 Temperatures at Greenwich and Cam- den Square are from Glaisher screens.					
	Nice	1027.7	61	-	0	o	1027.1	0	59	+1	-	0	*	b	0	-	68	54						
	Perpignan	1027.7	59	-	0	b	1027.5	+2	52	-3	-	0	-	f	*	-	72	48						
	Sanguinaire	*	70	E	1	b	*	64	0	E	1	*	b	1	-	77	57							
	Corunna	1027.7	61	WNW	4	o	1027.7	+1	63	+6	-	0	-	o	2	-	70	59						
	Madrid	1024.6	77	-	0	b	1028.7	+2	57	-2	-	0	-	b	*	-	79	54						
	Lisbon																							
	Azores (Horta)	1024.8	*	SW	5	bc	1021.6	0	81	+9	E	3	*	bc	3	-	84	77						
Madeira	1021.6	82	E	3	o	1026.7	*	67	-1	E	4	*	b	3	-	70	67							
Gibraltar	1027.1	68	E	4	bc	1025.0	0	66	-4	WSW	1	-	b	0	-	73	63							
Malta	*	*	*	*	*	1018.1	+1	73	+3	-	0	-	b	0	-	84	55							
Limassol	*	*	*	*	*	1019.9	+2	75	+2	-	0	-	b	0	-	79	66							
Alexandria	1020.2	72	N	2	bc	1017.9	+1	70	+2	NE	3	-	b	0	-	82	63							
Cairo (Helwan)	1018.0	72	NE	3	b	1017.9	+1	70	+2	NE	3	-	b	0	-	82	63							
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.														
	GREENWICH (Royal Observatory)	%	%	Hours.	°F.	°F.	°F.	mm.							Vertical Component of Solar Radiation per square Centimetre during Yesterday. Total. Average Rate. Max. Rate. Joules. Milliwatts. Milliwatts. 262 6.7 23 Temperatures at Greenwich and Cam- den Square are from Glaisher screens.									
	CITY (Bunhill Row)	86	81	0.1	67	58	53	0.3	0.0	0				0										
WESTMINSTER (St. James's Park)	88	88	0.0	67	60	56	0.3	0.0	0	0														
CAMDEN SQ. (British Rainfall)	84	81	0.0	66	58	55	0.3	0.0	0	0														
HAMPSTEAD (Reservoir)	*	85	0.0	63	56	44	1	0	0	0.0														
S. KENSINGTON (Museum Grounds)	*	78	0.0	66	59	56	1	0.0	0	0														
RICHMOND PARK	*	*	*	*	*	*	*	*	*	*														



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

South Cone hoisted at 8h.

Western Channel and Bay 11

FURTHER OUTLOOK.

Squally strong winds between South and West,
a gale at times; some rain and mist; mild.

Northern part, squally strong South-Westerly wind;
rough sea; southern part, calm and variable Easterly
breeze; slight sea; changeable, some rain, mist or fog;
mild.

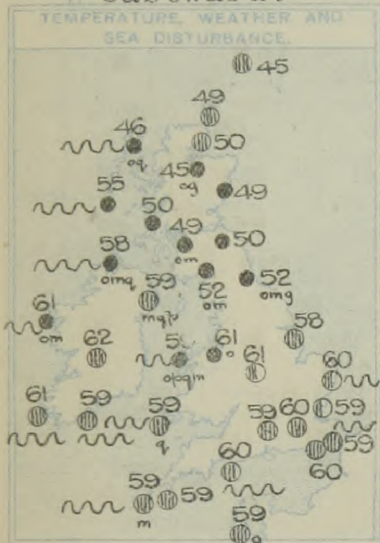
R. G. K. LEMPFEKT Superintendent, Forecast Division.

NAPIER SHAW, Director

SYNOPTIC CHART FOR THE MORNING OF SATURDAY, 14TH OCTOBER, 1916.

GENERAL INFERENCE.

The deep depression in the north-west will maintain unsettled conditions over the British Isles generally as it travels north-eastward.



EXPLANATION.

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

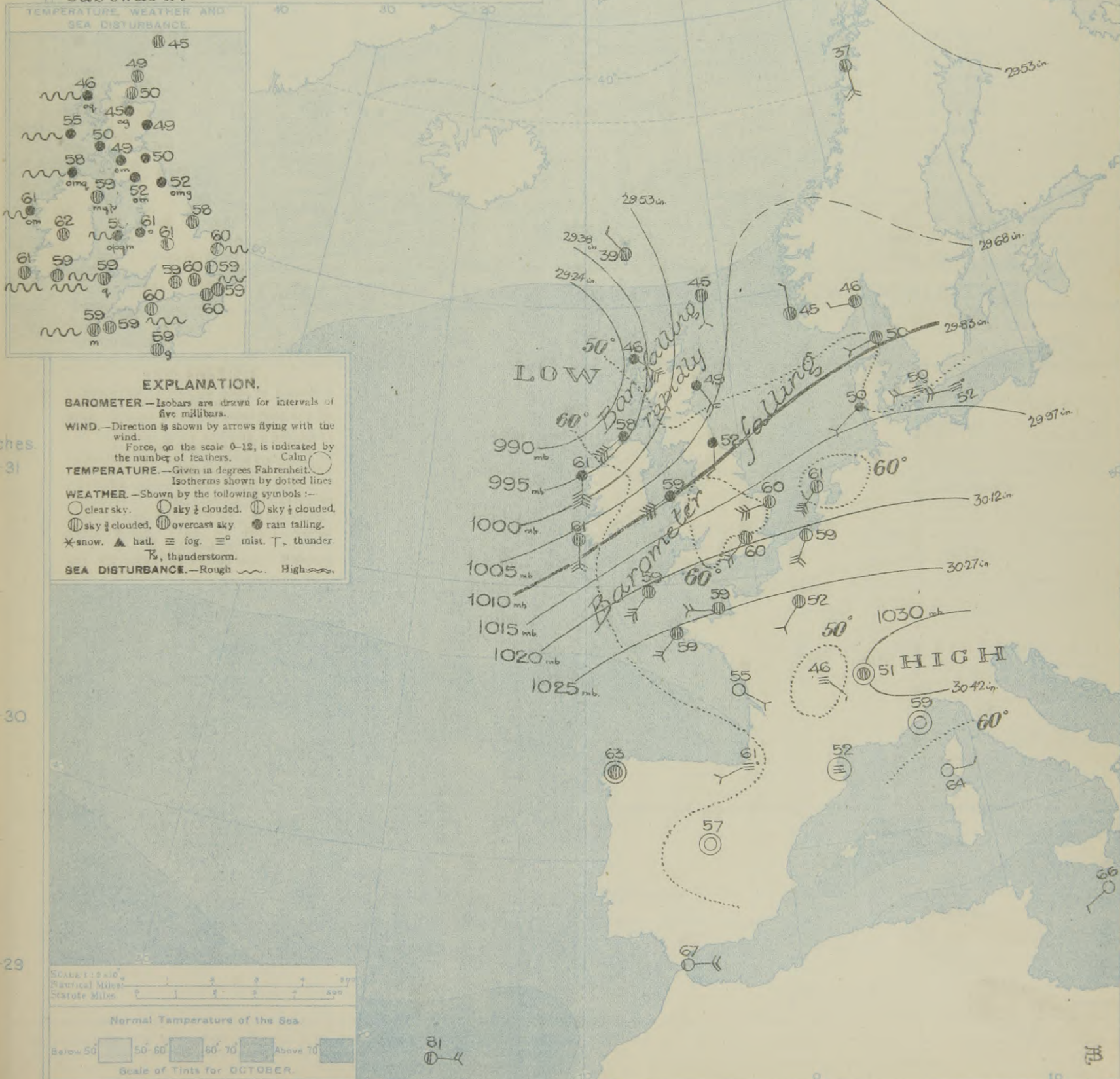
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm.

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

WEATHER.—Shown by the following symbols:—
 ○ clear sky. ○ sky & cloudy. ○ sky & cloudy.
 ○ sky & cloudy. ○ overcast sky. ○ rain falling.

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

SEA DISTURBANCE.—Rough. High.



STATIONS.	PREVIOUS EVENING.				MORNING.							PAST 24 HOURS.			MORNING.							
	BAROM. Milli- bars at M.S.L.	WIND.			Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.
		TEMP. ° F.	Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours.	Direc.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.	
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	983.7	32	N	2	0																
	Gorki ...	1004.2	45	NW	3	c																
	Veliki Luki ...	999.7	45	SW	5	0	993.0	*	43	- 2	SSE	3	r	3	*	37						
	Hangö ...	997.2	37	-	0	0									*							
	Riga ...	1061.2	22	-	0	0									*							
	Petrograd ...	995.0	39	NW	3	0									*							
	Moscow ...	993.6	43	WNW	5	0									*							
	Kiev ...														*							
	Kharkov ...														*							
	Kishinev ...														*							
	Elisabetgrad ...														*							
	Nicolaiev ...														*							
MEDITERRANEAN.	Odessa ...														*							
	Tarkhankout ...														*							
	Soukhom ...	1018.6	54	NNE	2	b	1019.8	+ 1	55	-	ENE	1	r	-	*	52						
	Venice ...	1026.9	59	-	0	b	1027.7	*	59	+ 2	-	0	f	-	63	55						
	Pesaro ...	1027.1	57	-	0	b	1028.2	*	55	0	SW	1	f	-	68	50						
	Rome ...	1027.4	63	-	0	b	1028.2	*	57	0	-	0	f	-	73	54						
	Viesti ...	1026.2	64	NW	1	m	1027.3	*	64	- 2	NW	2	b	-	68	57						
	Brindisi ...	1026.2	66	NW	2	b	1026.0	*	68	+ 2	NW	3	bc	? 5	?	?						
	Cagliari ...	1026.2	72	SE	3	bc	1025.7	*	61	+ 2	NW	3	b	-	75	50						
	Palermo ...	1026.8	68	-	0	bc	1025.0	*	68	0	E	1	b	-	75	57						
	Tripoli ...																					
	Algiers ...	1026.7	70	ENE	2	c	1026.7	+ 1	66	- 2	-	0	b	-	73	64						
SWEDEN.	Hernösand ...	991.4	41	W	2	0		*						*	*	*						
	Stockholm ...	994.1	45	SSE	2	r		*						*	*	*						
	Wisby ...	996.8	46	SSW	2	r		*						*	*	*						

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	-	1	54	51	b	bcp	0.7	England, E.	Lowestoft	4	0.1	60	53	or	o	00.
	Banff	-	-	58	46	bc	bcpbc	3.5		Felixstowe	4	2	62	52	or	om	00.
	Montrose	-	0.1	67	44	c	o	3.6		Walton-on-Naze							
	Carnoustie	*	*							Southend-on-Sea	0.2	-	63	58	o	o.	00.
	St. Andrews	-	-	56	45	bc	bc.o	2.6									
Eng. N.E.	Harrogate	1	3	56	46	c.o	or	0.3	England, S.E.	Margate	4	0.4	64	59	od.	c	00.
	Skegness	0.2	-	61	51	c.o.g	og	1.2		Ramsgate	5	2	64	57	fo	o	00.
Eng. N.W.	Morecambe	-	8	57	52	-	-	0.6		Hastings	2	1	61	59	od.	od.o	00.
	Southport	1	9	57	51	c.o	omr	0.1		Eastbourne	2	1	61	59	o.cd	ow	00.
Midlands.	Leamington Spa	3	0.1	64	52	od.e	c.o.e	00.		Seaford	*	*	61	59	r o	o	0.0
	Malvern	1	-	64	56	c	c	00.		Brighton							
	Ross-on-Wye	1	-	65	57	o	o	0.2		Worthing	0.3	-	61	59	o	o	00.
Wales.	Rhyl	3	3	62	47	dp	dp	0.0		England, S.W.	Littlehampton	-	-	61	59	o	o	0.0
	Colwyn Bay	*	*	62	50	cp	cp.	2.0	Bognor		*	*					
	Llandudno	*	*	61	49	c.	cr	0.1	Bournemouth		1	0.3	61	59	o	o	00.
	Aberystwyth	*	*	61	55	roc	co	00.	Weymouth		*	*	62	59	oe	ome	00.
	Tenby	3	2	60	56	bc cr	r	0.0	Torquay		2	-	62	60	om	om	00.
									Paignton	*	*						
									Penzance	5	1	63	60	om.f	of.o	00.	
									Newquay	5	-	62	58	o	o	00.	
									Bude	6	1	60	59	d	d	0.0	
									Ilfracombe	8	0.3	62	59	or	or	00.	
									Weston-s-Mare								

NOTES ON YESTERDAY'S WEATHER.

Temperature was again above the normal generally. Rain fell nearly everywhere, 23 mm. at Castlebay. As a rule there was little or no sunshine, but Aberdeen had $4\frac{1}{2}$ hours.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW.				
14 th & 15 th October, 1918.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	... ..	6 19	11 39	4 59
		6 21	11 39	4 57
Greenwich	... ..	6 24	11 46	5 8
		6 26	11 46	5 6
Wick	... ..	6 48	11 58	5 8
		6 50	11 58	5 6
Valencia	... ..	7 6	12 27	5 48
		7 8	12 27	5 46

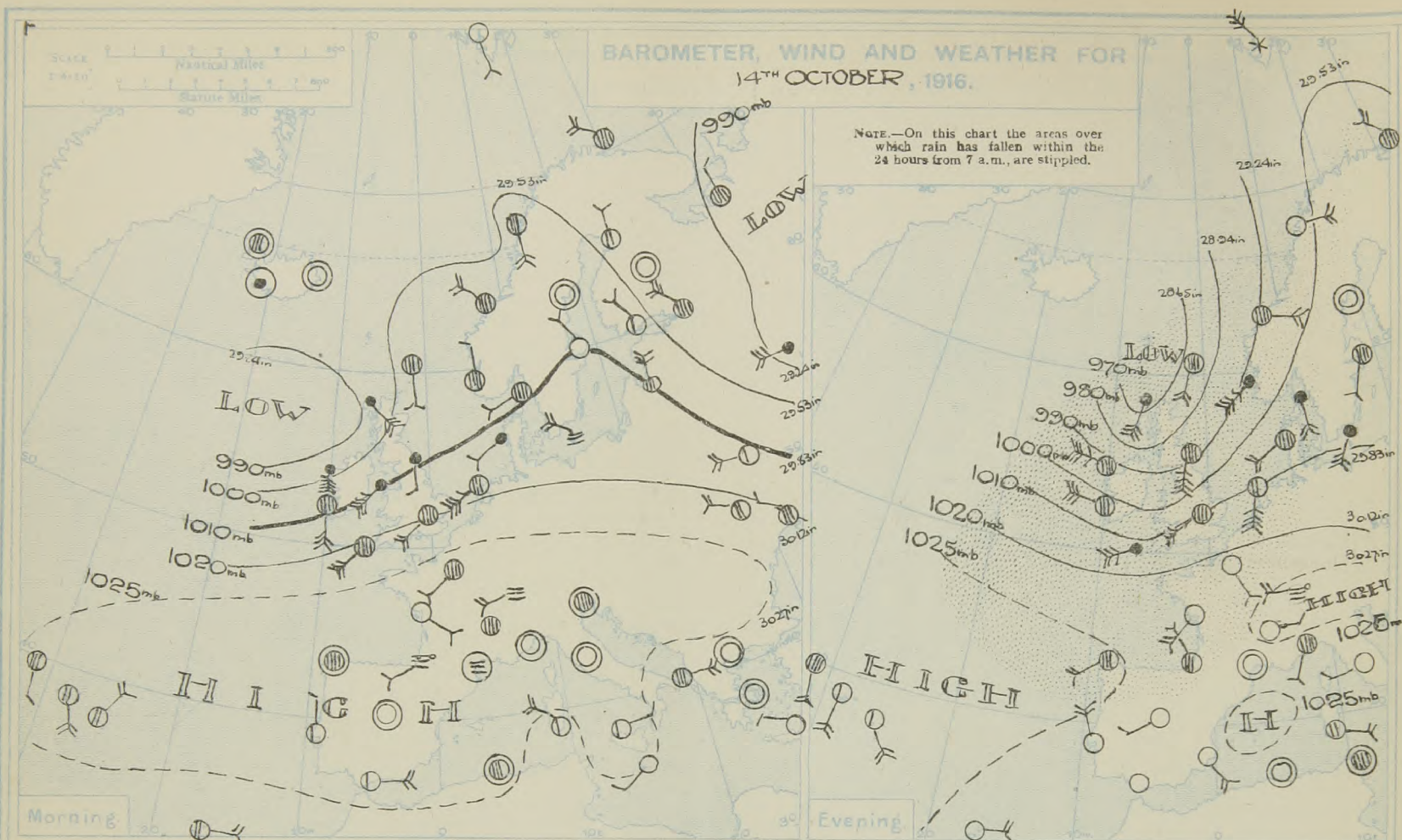
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; 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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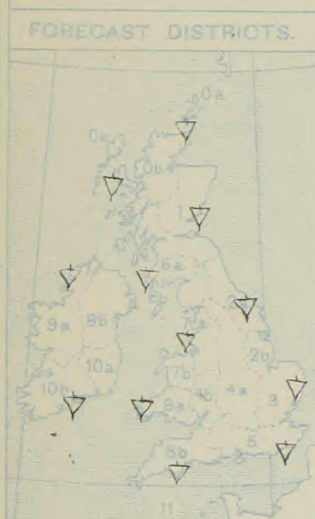
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 289

Sunday
15th October

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.											Max.	Min.	Morning.	Afternoon.	Night.								
BRITISH ISLANDS.																											
Lerwick	972.2	54	SSW	4	om	978.1	+2.3	45	0	NNW	8	-	oq	7	4.3	54	42	omgr	rg	ompr	*						
Deerness (Orkney)	973.2	51	SW	4	cu	985.1	*	45	-4	NW	6	-	op	5	3.4	55	42	or	r.ocu	cuop	0.0						
Stornoway	968.1	53	SSW	6	org	996.2	+1.2	44	-2	N	7	-	opq	6	3.3	60	44	org	org	cpq	0.0						
Castlebay (Barra Isd.)	972.0	53	WSW	6	op	1001.6	+8	44	-11	N	4	N	o	5	6	59	44	r	rop	opco	0.0						
Glasgow	982.5	54	SW	8	o	998.0	+7	44	-5	W	4	NNW	bc	*	2.3	61	42	ogr	ogr	ocbcp	0.0						
Eskdalemuir	988.5	53	SW	7	or	999.7	+5	41	-11	W	6	-	opq	*	3.7	57	40	orm	orm	orm	0.0						
Malin Head	981.2	57	SW	9	omq	1001.1	+5	47	-11	W	8	W	cmq	8	1.3	60	42	omrg	omrg	cmqph	0.0						
Blackod Point	994.3	51	WNW	8	omq	1011.2	+4	45	-16	NNW	8	NNW	cp	7	8	57	42	omgr	omgr	coq	*						
Valencia	1003.6	56	WNW	6	c	1018.4	+4	47	-12	NNW	5	NNW	cpq	6	3	63	47	o	og.o	bccep	0.0						
ROCHE'S POINT.																											
Birr Castle	998.5	52	W	4	o	1015.9	*	48	-11	WNW	3	-	b	4	1	60	48	md	md	coq	0.0						
Donaghadee	997.5	57	W	4	o	1012.9	*	43	-19	W	1	-	c	*	5	65	43	og	og	cp	0.0						
Liverpool (Bidston)	997.0	62	SSW	6	omq	1008.1	+4	45	-14	WNW	6	W	bcq	4	1	66	41	ogm	omq	bcq	0.0						
Holyhead	996.2	57	WSW	7	orgum	1004.7	+1.2	44	-12	WSW	7	SW	bcq	6	1	64	47	og	og	ogrh	0.0						
Pembroke (St. Ann's)	1002.3	60	SW	8	orp	1007.7	+2	48	-11	WNW	7	NW	cq	7	3	60	47	oeqm	oeqm	acpbc	0.0						
Scilly (St. Mary's)	1010.2	60	WSW	6	md	1006.9	+4	53	-6	NW	6	NNW	bcq	6	1	61	53	om	omd	omq	0.0						
Falmouth	1010.6	60	SSW	7	adm	1015.8	+3	49	-10	WNW	2	-	b	*	2	61	49	og	og	odq	0.0						
Jersey (St. Aubin)	1017.9	62	SW	3	og	1015.2	*	56	-3	WNW	3	W	c	3	1	63	55	cog	ogc	og	0.2						
Portland Bill	1012.0	60	SW	7	o	1012.0	+4	54	-6	WNW	6	NW	bc	5	0.2	62	54	c	c	orc	*						
Dungeness	1014.0	60	WSW	7	bc	1009.1	+5	54	-6	WSW	4	W	c	4	1	62	53	o.c	c.bc	gpc	*						
Dover	1013.2	59	SW	7	o	1010.1	+3	52	-7	WSW	3	SW	c	4	1	61	51	ac	c.bc	oprc	1.3						
WICK.																											
Wick	974.0	51	SSW	5	bc	986.3	+1.4	44	-6	NNW	6	-	r	5	2.4	57	42	uomr	orbcq	dqor	*						
Nairn	974.5	53	SW	4	oqu	992.5	*	42	-3	WSW	4	-	oqu	3	3.0	60	41	rgu	ro	cqr	0.0						
Aberdeen	979.1	56	SSW	5	o	990.4	+1.1	44	-5	W	6	-	op	4	6	63	44	org	org	bcq	0.0						
Leith	982.9	55	SW	7	o	994.5	+3	45	-5	W	3	W	b	4	1.5	63	44	r	rg	opq	*						
Tynemouth	989.4	63	SSW	8	omq	997.2	+4	46	-6	W	7	-	bq	4	1	63	43	omqd	omq	bcq	*						
Spurn Head	1001.1	62	SW	7	bcq	1002.9	+3	51	-7	WNW	7	-	bcq	6	-	66	46	bc	og	cq	0.7						
YARMOUTH.																											
Yarmouth	1007.7	61	WSW	6	o	1006.0	+5	50	-10	WNW	4	-	bc	4	1	65	49	c	co	bcq	1.2						
Clacton-on-Sea	1011.1	60	SW	7	o	1008.0	+5	56	-3	W	3	NE	c	2	0.3	63	51	bc.c	bc.c	oprc	4.2						
Nottingham	1002.0	62	SW	7	o	1006.0	*	46	-15	SW	2	-	b	*	3	65	46	c.o	c.o	or	0.2						
Benson (Oxon.)	1001.6	58	SSW	6	o	1010.5	+4	47	-12	WSW	3	-	bc	*	1	63	47	bc	o	bcq	*						
Sth Farnborough	1010.7	59	SW	6	o	1010.3	+4	48	-11	W	4	W	bcv	*	1	64	47	ac	c.ogd	odq	0.6						
London (Kew Obsy.)	1011.0	61	SW	5	o	1010.0	+4	50	-10	WSW	3	SW	bc	*	0.3	60	50	o	c.o	ogrb	0.9						
NORTHERN EUROPE.																											
Spitsbergen	992.2	10	NW	6	s	991.9	0	7	+4	N	1	*	c	*	*	10	1	GALES:-									
Vardö	1002.1	50	NW	3	o	1002.3	-1	30	+2	WSW	1	-	s	2	*	32	28										
Bodö	998.7	32	E	4	b	986.3	-8	37	0	ESE	6	-	o	2	*	32	28										
Christiansund	989.9	45	ESE	4	o	966.4	-1	48	-	-	0	-	r	3	7	48	41	Lerwick: 14 th SEB 15-16h 15 th N.W.B. 8-7h									
Skudesnaes	984.0	54	SSW	10	r	973.9	-1	48	+3	SW	10	-	r	8	2.4	54	43										
Færder (X'ania Fjord)	997.1	46	SE	6	r	978.9	-2	52	+6	SW	9	-	m	5	1.6	48	45										
The Scaw (Skagen)	999.7	50	S	4	r	985.6	+1	52	+2	SW	5	-	o	5	1.3	57	50	Deerness: 15 th W.B. 4h-6h Stornoway: Squall N.E. during night Castlebay: W.B. 19h to early morn. Glasgow: SW-W.B. 12h & 14 th to 3h of 15h. Gusts force 9.									
Blaavands Huk	1002.1	57	SW	4	o	993.9	0	55	+5	W	7	-	o	6	4	59	48										
Copenhagen	1005.9	54	WSW	3	r	996.3	-4	55	+5	SW	6	-	o	*	10	57	48										
Bornholm	1008.4	52	SSW	5	r	999.9	-4	54	+2	SW	8	-	m	3	5	55	48	Eskdalemuir: 14 th S-W.B. 12h-17h SQ 16h W.S.W. 9-12h & 15h S.W.B. 20h-21h SW 9-20h Malin Head: W.B. 11h of 14 th -7h of 15h. SW 9-18h W 9 during night Blackod Point: S-N.W.B. 7h of 14 th to 7h of 15h. S 9-10h 14 th S.W. 9-13h 14 th . Force 10 in squalls.									
FRANCE, &c.																											
The Helder	1009.9	59	SSW	8	bc	1002.9	+3	55	+6	W	6	-	c	3	1	63	55										
C. Gris Nez	1014.6	59	SW	6	o	1008.7	+3	55	+4	W	6	*	c	6	1	59	55										
La Hève	1018.0	59	SW	4	o	1013.7	*	55	-1	NNW	5	*	o	5	1	63	54										
Brest (St. Mathieu)	1017.9	59	SW	4	o	1018.4	+3	55	-4	NNW	5	*	c	4	Trace	61	55										
Rochefort (Ile d'Aix)	1022.4	59	SSW	3	b	1016.6	-4	61	+6	WSW	5	*	o	*	-	66	59	Donaghadee: SW-W.N.W. 8-14h of 14h-4h of 15 th W 9-15h Holyhead: SW.B. during afternoon of 14h. Gusts 27 mps W.N.W. 8-1h Spurn Head: SW during night Gusts mps. St. Ann's Head: SW.B. 15h-22h of 14 th Portland Bill: SW.B. 14h of 14 th to 1h of 15 th Dungeness: 14 th & 15 th SW.B. 2h-3h SW 9-21h Wick: 14 th SEB 10h-12h SE 9-11h 14 th & 15 th W.B. 22h-6h W 10-24h. Nairn: 14 th & 15 th W.S.W. 19h-5h W.S.W. 9-22h. Aberdeen: Gusts. S-W. 26 mps in early morning									
Biarritz	1023.8	63	NW	2	bc	1019.4	-1	61	0	SSE	2	*	o	2	-	70	61										
Paris	1019.8	55	SSE	2	b	1013.1	-2	54	+2	SSW	3	-	r	*	1	61	50										
Belfort	1025.3	46	W	2	m	1019.7	*	39	-7	W	2	*	m	*	-	55	37	Leith: 14 th SSW 8-15h-19h Tynemouth: SSW 8-18h Spurn Head: W.N.W. 8-19h of 14 th to 2h of 15 th W.N.W. 9-1h Nottingham: 14 th SW 8-22h London (Kew Obsy.): Squalls W.S.W. during night of 14 th -15 th									
Lyons	1025.6	52	-	0	b	1019.9	*	45	-6	ESE	1	*	f	*	-	63	46										
Nice	1024.4	59	SSW	2	o	1019.1	-2	59	0	-	0	*	c	2	-	68	55										
Perpignan	1024.3	59	-	0	b	1024.4	-2	54	+2	W	1	-	c	*	-	70	50	Vertical Component of Solar Radiation per square Centimetre during Yesterday. <table><tr><td>Total.</td><td>Average Rate.</td><td>Max. Rate.</td></tr><tr><td>490</td><td>12.7</td><td>49.5</td></tr></table> Temperatures at Greenwich and Cam- den Square are from Glasher screens.				Total.	Average Rate.	Max. Rate.	490	12.7	49.5
Total.	Average Rate.	Max. Rate.																									
490	12.7	49.5																									
Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*										
SOUTHERN STATIONS.																											
Corunna	1027.1	64	WSW	3	c	1024.6	+2	57	-6	SE	1	-	o	2	10	68	57	Greenwich (Royal Observatory) CITY (Bunhill Row) ... WESTMINSTER (St. James's Park) CAMDEN SQ. (British Rainfall) ... HAMPSTEAD (Reservoir) ... S. KENSINGTON (Museum Grounds) ... RICHMOND PARK ...									
Madrid	1022.4	75	-	0	b	1026.2	-1	55	-2	W	2	-	b	*	-	77	50										
Lisbon	1025.5	68	NNW	4	b	1022.7	-1	63	-	NW	2	-	bc	5	-	79	59										
Azores (Horta)	1029.3	*	S	4	b	1032.4	+1	64	-	SW	2	*	b	1	-	77	64	London (Kew Obsy.): Squalls W.S.W. during night of 14 th -15 th									
Madeira	1024.5	82	E	3	b	1025.6	0	75	-6	E	3	-	b	3	-	84	75										
Gibraltar	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*										
Malta	*	*	*	*	*	1026.4	-1	66	0	W	1	-	bc	0	-	73	64	Vertical Component of Solar Radiation per square Centimetre during Yesterday. <table><tr><td>Total.</td><td>Average Rate.</td><td>Max. Rate.</td></tr><tr><td>490</td><td>12.7</td><td>49.5</td></tr></table> Temperatures at Greenwich and Cam- den Square are from Glasher screens.				Total.	Average Rate.	Max. Rate.	490	12.7	49.5
Total.	Average Rate.	Max. Rate.																									
490	12.7	49.5																									
Limassol	*	*	*	*	*	1017.5	+1	72	-1	-	0	-	b	0	-	84	57										
Alexandria	1018.6	73	NNE	2	b	1018.1	0	75	0	NE	2	-	m	1	-	79	68	Vertical Component of Solar Radiation per square Centimetre during Yesterday. <table><tr><td>Total.</td><td>Average Rate.</td><td>Max. Rate.</td></tr><tr><td>490</td><td>12.7</td><td>49.5</td></tr></table> Temperatures at Greenwich and Cam- den Square are from Glasher screens.				Total.	Average Rate.	Max. Rate.	490	12.7	49.5
Total.	Average Rate.	Max. Rate.																									
490	12.7	49.5																									
Cairo (Helwan)	1016.6	73	NE	2	b	1016.2	0	68	+2	NE	2	-	b	*	-	86	63										
24 HOURS ENDED 9 h. To-Day.																											
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for Yester- day Hours.	TEMPERATURE.			Rain- fall.	WEATHER.			SOUTH KENSINGTON.															
		15 h. Yester- day.	9 h. To-day.		Max.	Min.	Min. on Grass.		Morn- ing.	After- noon.	Night.																
GREENWICH (Royal Observatory)	78	72	1.1	66	49	42	0.3	o.	c. p.	o. oc	Vertical Component of Solar Radiation per square Centimetre during Yesterday. <table><tr><td>Total.</td><td>Average Rate.</td><td>Max. Rate.</td></tr><tr><td>490</td><td>12.7</td><td>49.5</td></tr></table> Temperatures at Greenwich and Cam- den Square are from Glasher screens.			Total.	Average Rate.	Max. Rate.	490	12.7	49.5								
Total.	Average Rate.	Max. Rate.																									
490	12.7	49.5																									
CITY (Bunhill Row)	*	*	0.8	66	49	42	0.3	o.	c. p.	o. oc																	



FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.



STORM WARNINGS.

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

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

South Cone hoisted yesterday morning on all coasts.

0
1
2
3
4
5
6
7
8
9
10

Squally wind between West and North, moderating, changeable, some showers; cooler.

Western Channel and Bay 11

Squally, moderating North-Westerly to Northerly wind; rough sea; changeable, some showers; cooler.

FURTHER OUTLOOK.

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

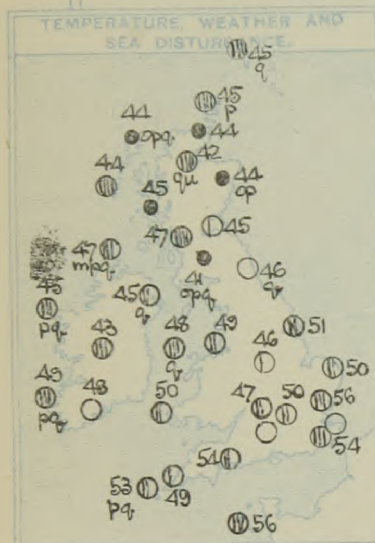
NAPIER SHAW, Director

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

SYNOPTIC CHART FOR THE MORNING OF SUNDAY, 15TH OCTOBER, 1916.

GENERAL INFERENCE.

With the passing away of yesterday's very deep depression, a general improvement is taking place in the weather conditions 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.

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 ~~~~~

HIGH

LOW

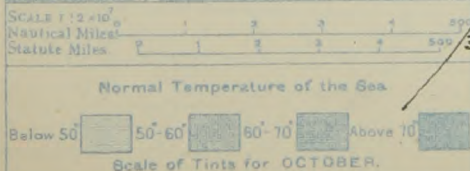
HIGH

HIGH

HIGH

Barometer

falling



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. ° F.	Dir.	Force 0-12.			
RUSSIA 7 a.m. and 9 p.m. Local Time.																								
Archangel ...						989.1	+ 4	30	- 2	N	2	0	-	° F	° F									
Gorki ...	996.4	50	SW	5	0	1000.6	?	45		NW	8	0	8	*	37	Isafjord ...	994.6	37	+ 1	-	0	c		
Velieki Luki ...						998.0	*	41		W	5	0	4	*	41	Reykjavik ...	993.3	36	- 5	-	0	r		
Hangö ...	992.0		NW	4	0	1005.1	+ 6	36		NNW	2	b	-	*	34	Vestmanna ...	993.5	39	- 2	-	0	b		
Riga ...	996.7	48	WNW	7	c	1006.6	+ 5	43		N	5	e	4	*	43	Seydisfjord ...	998.1	32	- 4	-	0	0		
Petrograd ...	977.9	39	W	0	0	992.8	+ 10	34	- 3	NNW	5	0	7	48	34	Thorshavn ...	997.9	39	- 6	NW	1	0		
Moscow ...	989.0	45	W	3	0	991.3	+ 1	43	+ 4	W	5	r	3	*	46									
Kiev ...	1011.3	55	W	4	b	1013.5	+ 1	46	0	W	4	b	2	*	46									
Kharkov ...	1006.6	57	W	4	0	1009.6	+ 2	48	+ 7	WNW	4	b	2	*	48									
Kishinev ...	1018.9	61	NW	3	bc	1020.6	+ 3	55	+ 3	NW	2	b	-	*	52									
Elisabetgrad ...						1016.7	+ 1	50	+ 4	WNW	5	b	-	*	48									
Nicolaiev ...	1017.5	63	WNW	3	0	1019.9	*	54	+ 4	SW	1	b	-	*	48									
Odessa ...	1019.1	66	WSW	2	0	1021.7	+ 2	57	+ 5	WNW	3	b	-	*	57									
Tarkhankout ...	1020.4	63	SW	4	b	1021.7	*	59	0	NW	1	c	-	*	57									
Soukhoun ...	1024.3	57	NNE	1	0	1025.1	0	55	0	NNE	1	0	11	*	55									
MEDITERRANEAN.																								
Venice ...	1026.8	61	-	0	c	1025.9	*	59	0	-	0	0	-	64	57									
Pesaro ...	1027.3	55	-	0	b	1027.1	*	52	- 3	-	0	0	-	66	48									
Rome ...	1026.9	63	-	0	b	1026.4	*	55	- 2	-	0	0	-	73	52									
Viesti ...	1026.4	63	NW	2	b	1024.9	*	64	0	NW	2	b	-	72	61									
Brindisi ...	1024.2	66	NW	2	bc	1024.7	*	68	0	E	4	c	-	68	66									
Cagliari ...	1026.2	72	SE	3	b	1024.4	*	59	- 2	NW	4	b	-	73	48									
Palermo ...	1028.5	66	-	0	b	1025.7	*	76	- 8	E	1	b	-	78	?									
Tripoli ...						*		*																
Algiers ...	1026.6	70	NNE	2	c	1025.6	+ 1	68	+ 2	-	0	c	-	73	66									
SWEDEN.																								
Hernösand ...	995.8	36	NNE	2	r	1007.4	*	32	- 5	-	0	b	*	*	*									
Stockholm ...	997.4	46	W	2	c	1010.0	*	37	- 13	NNW	2	b	*	*	*									
Wisby ...	1001.8	52	WNW	8	bc	1011.4	*	46	- 6	NNW	2	bc	*	*	*									

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-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 12h-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.				
Scotland.	Oban	16	26	60	47	r	0	0.0	England, E.	Lowestoft	-	-	64	52	bc	bc	0	5.9
	Banff	6	6	64	43	or	crq c	0.0		Felixstowe	-	-	63	58	b	b, bc, c	5.7	
	Montrose	7	2	63	45	r	r	0.0		Walton-on-Naze	-	-	63	58	0	0, c, bc	0.3	
	Carnoustie	*	*							Southend-on-Sea	-	-	63	58	0	0, c, bc	0.3	
	St. Andrews	*	*															
Eng. N.E.	Harrogate	16	-	63	50	0	0. c	0.0	England, S.E.	Margate	-	-	63	59	0	0	0.2	
	Skegness	1	-	66	55	og. c	c. og	1.6		Ramsgate	-	-	64	58	0	c	0.2	
Eng. N.W.	Morecambe	-	-							Hastings	0.3	-	62	59	od	0	c	0.0
	Southport	34	-	64	56	0	0	0.0		Eastbourne	-	-	62	60	og	0	og	0.6
Midlands.	Leamington Spa	0.1	-	63	55	0	c. 0	0.0		Seaford	-	-	61	59	0	0	c	0.3
	Malvern	-	-							Brighton	-	-	62	60	c	c	c	0.0
	Ross-on-Wye	-	-	64	58	0	0	0.3		Worthing	-	-	63	59	0. c	bc	c	0.3
Wales.	Rhyl	*	*						England, S.W.	Littlehampton	0.1	-	61	59	0	0	0.3	
	Colwyn Bay	*	*							Bognor	*	*	61	59	0	0	0.3	
	Llandudno	*	*	67	59	q	c. ow	2.0		Bournemouth	-	-	62	59	0	0	0.9	
	Aberystwyth	*	*	63	58	r. 0. c	c. ow	0.0		Weymouth	*	*	62	60	c. 0	om	1.0	
	Tenby	1	1	61	56	c. 0	or	0.0		Torquay	-	-	62	60	c. 0	om	1.0	
									Paignton	*	*	61	60	0. c	om	0.0		
									Penzance	0.2	-	61	60	0. c	om	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.

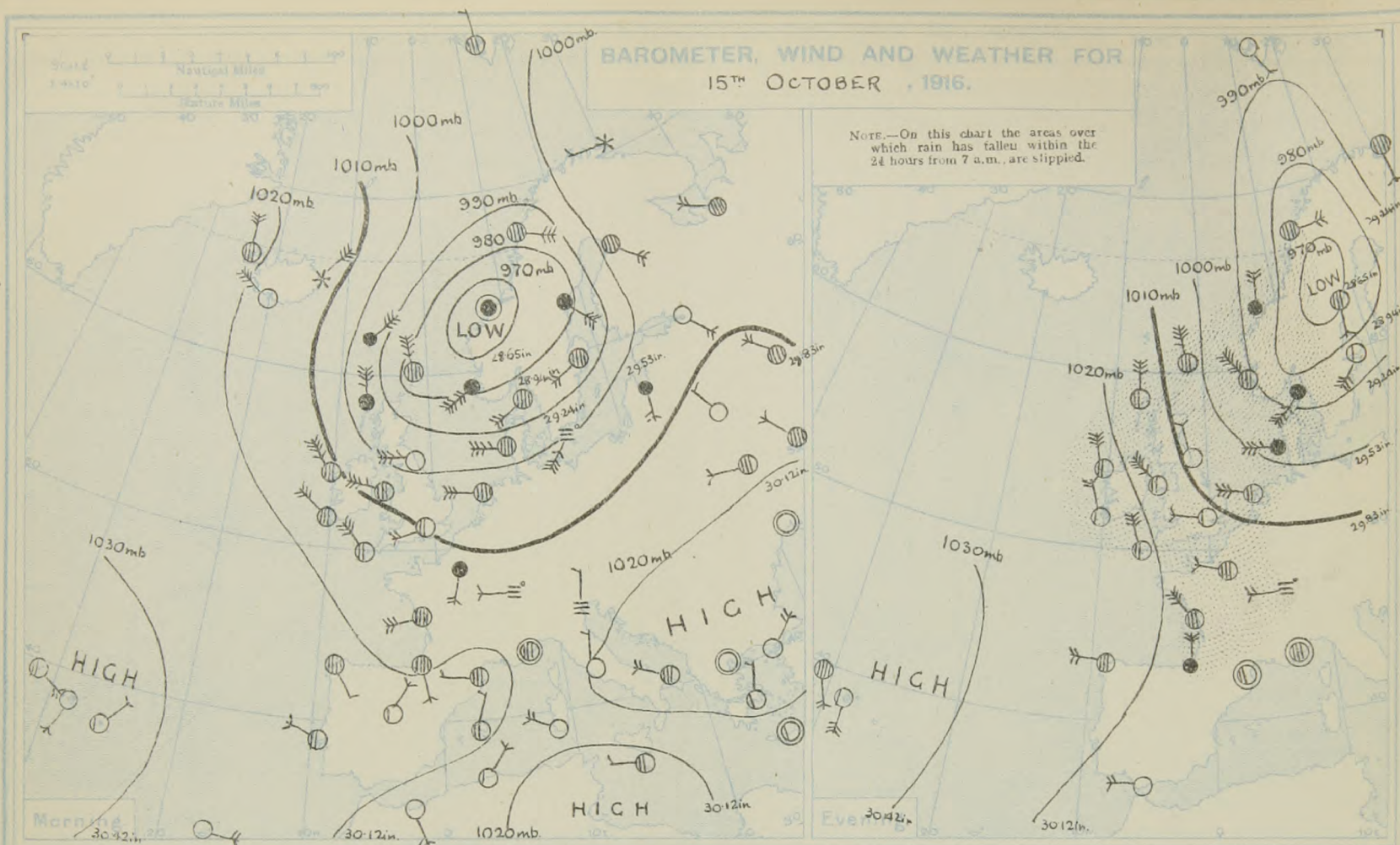
15 th 16 th October, 1916.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 6.21 6.22	G.M.T. 11.39 11.39	G.M.T. 4.57 4.55
Greenwich ...	6.26 6.27	11.46 11.46	5.4 5.4
Wick ...	6.50 6.52	11.58 11.58	5.6 5.3
Valencia ...	7.8 7.9	12.27 12.27	5.46 5.44

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

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay 11

Moderate to light North-Westerly to Northerly breeze; fine generally; cold, night frost locally.

Moderate Northerly breeze; sea rough to moderate; fair generally; cold.

FURTHER OUTLOOK.

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

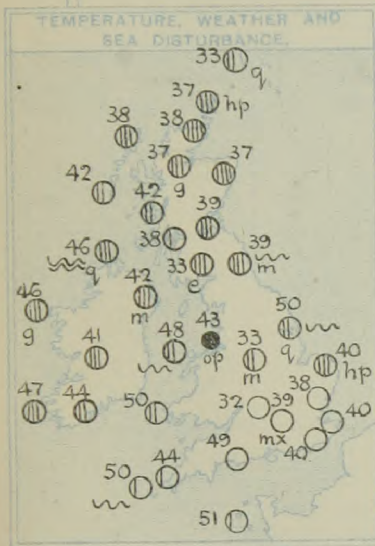
NAPIER SHAW, Director.

SYNOPTIC CHART FOR THE MORNING OF MONDAY, 16TH

OCTOBER, 1916.

GENERAL INFERENCE.

Quiet anticyclonic conditions will prevail generally during the ensuing 24 hours.



EXPLANATION.

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

HIGH

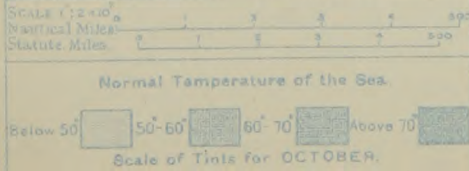
Barometer

rising

generally

LOW

LOW



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.	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 ...	-	-	-	-	10029	+5	30	0	NW	3	b	-	* ° F	28	Isafjord ...	10237	28	-9	N	5	c	
	Gorki ...	-	-	-	-	10133	?	28	-17	NW	1	b	-	* ° F	28	Reykjavik ...	10198	32	-4	NNE	4	c	
	Velieki Luki ...	-	-	-	-	10130	*	32	-	S	2	b	-	* ° F	30	Vestmanna ...	10157	34	-3	NW	7	b	
	Hangö ...	10106	32	-	0	b	-	-	-	-	-	-	-	* ° F	-	Seydisfjord ...	10133	28	-4	NE	6	s	
	Riga ...	10132	37	-	0	b	10031	+7	45	+2	S	3	r	4	* ° F	36	Thorshavn ...	9952	53	-14	NE	6	c
	Petrograd ...	10082	34	NW	3	b	10090	-2	34	0	SE	3	b	-	39	34	Hours of Observation G.M.T.						
	Moscow ...	10011	27	WNW	3	0	10113	+6	34	-9	NW	3	0	2	*	32							
	Kiev ...	10175	48	NW	3	0	10193	0	46	0	W	2	0	-	*	43							
	Kharkov ...	10118	48	W	4	0	10190	+4	36	-8	NW	2	0	-	*	34							
	Kishinev ...	10189	63	N	2	c	10203	0	54	-1	NW	1	c	-	*	52							
MEDITERRANEAN.	Elisabetgrad ...	10180	54	NW	4	0	10216	+2	55	+5	ENE	2	o	-	*	54	Morning.		Evening.				
	Nicolaiev ...	10175	63	W	2	0	10213	*	50	-4	-	0	b	3	*	50							
	Odessa ...	10193	63	WSW	3	0	10216	+2	55	-2	ENE	2	o	-	*	54	British Isles ...	h.	7	h.	18		
	Tarkhankout ...	10211	61	SW	2	b	10204	*	55	+7	N	1	bc	-	*	55	France ...	7	18				
	Soukhoum ...	10233	55	-	0	r	10198	?	54	-	-	0	b	5	*	?	Norway ...	7	18				
	Venice ...	10233	61	-	0	b	10190	*	57	-2	N	1	f	-	66	55	Sweden ...	7	17				
	Pesaro ...	10241	51	-	0	b	10200	*	?	?	-	0	f	-	60	40	Denmark ...	7	18				
	Rome ...	10281	64	-	0	b	10201	*	54	-1	N	1	b	-	73	58	Holland ...	7	18				
	Viesti ...	10237	63	-	0	b	10206	*	64	0	-	0	c	-	72	59	Italy ...	7	20				
	Brindisi ...	10224	66	SSW	3	c	10201	*	66	-2	NW	3	c	-	68	64	Egypt ...	6	18				
SWEDEN.	Cagliari ...	10230	70	SE	3	b	10193	*	57	-2	NW	3	?	-	72	40	Corunna ...	7	16				
	Palermo ...	10239	68	-	0	o	10199	*	66	-10	-	0	b	-	72	?	Madrid ...	8	16				
	Tripoli ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Lisbon ...	7	21				
	Algiers ...	10240	68	-	0	b	10199	+1	64	-4	NE	2	b	9	73	61	Azores ...	8	17				
	Hernösand ...	10071	39	-	0	b	9767	*	43	+11	SE	6	r	*	*	*	Madeira ...	7	21				
	Stockholm ...	10071	43	3	0	o	9857	*	54	+17	SW	4	o	*	*	*	Malta ...	8	-				
	Wisby ...	10083	48	SSW	2	o	9932	*	52	+6	WSW	8	bc	*	*	*	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	2	1	52	43	or	bc p	3.6	England, E.	Lowestoft							
	Banff	6	1	50	44	bc p r q	q p r c	0.4		Felixstowe	0.2	-	56	48	bc	bc	6.8
	Montrose	-	-	49	42	bc	bc	0.4		Walton-on-Naze							
	Carnoustie	*	*							Southend-on-Sea	-	0.2	60	48	bc c	bc p b	6.8
	St. Andrews																
Eng. N.E.	Harrogate	3	-	51	42	bc b	bc bc p	6.1	England, S.E.	Margate	-	-	57	52	bc b	bc bc bc	3.5
	Skegness	0.4	2	53	44	bc	bc c	7.0		Ramsgate	-	-	57	50	bc	bc c	4.2
Eng. N.W.	Morecambe									Hastings	1	-	61	48	or bc b	b	7.0
	Southport	3	1	52	46	or p c b	p bc o h	4.0		Eastbourne	1	-	57	50	b	b	6.7
										Seaford	*	*					
										Brighton							
										Worthing	-	-	58	49	bc	bc	7.0
Midlands.	Leamington Spa	2	1	53	45	bc p b	bc p b	7.2		Littlehampton	-	-	58	48	b	b	7.3
	Malvern								Bognor	*	*						
	Ross-on-Wye								Bournemouth	1	1	56	48	bc b	b	7.4	
Wales.	Rhyl	1	2	52	46	q	q	1.5	England, S.W.	Weymouth	*	*					
	Colwyn Bay	*	*	54	46	cp	cp h	3.0		Torquay	1	0.4	61	50	bc p	bc	7.7
	Llandudno	*	*	63	45	c	cp c	1.7		Paignton	*	*					
	Aberystwyth	*	*	54	49	roc	o b o	1.0		Penzance							
	Tenby									Newquay	2	-	54	51	bq	cq	6.4
									Bude	1	-	60	50	b	b	7.0	
									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.

16 th & 17 th October 1916.			
	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 6.22 6.23	G.M.T. 11.39 11.38	G.M.T. 4.55 4.53
Greenwich ...	6.27 6.28	11.46 11.45	5.4 5.2
Wick ...	6.52 6.54	11.58 11.57	5.3 5.1
Valencia ...	7.9 7.10	12.27 12.26	5.44 5.42

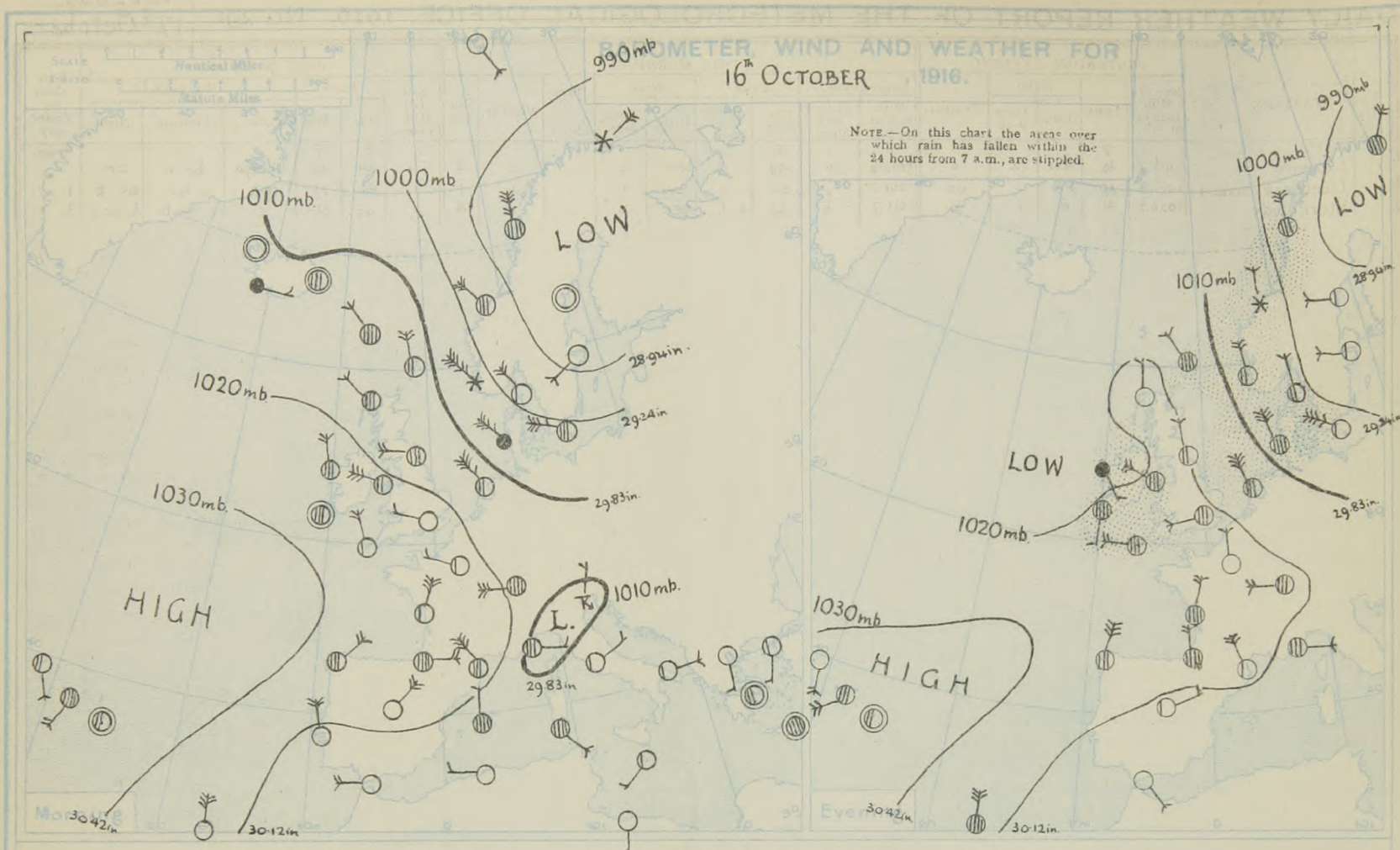
NOTES ON YESTERDAY'S WEATHER.

A sudden and considerable reduction of temperature occurred in all districts. Rain fell in various localities. Bright sunshine was general, and in many places the records were good.

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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[‡] The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

Warnings
Issued at
3 h.

Western Channel and Bay 11

0 } Wind becoming South-Westerly and Southerly, light or moderate; fair, then some rain; milder.

2 }
3 } Wind backing to South-West or South, light or moderate; becoming less fine, some rain; milder.
4 }

6 }
7 } Southerly and South-Westerly winds, moderate, fresh or strong locally; rain at times; moderate temperature.
8 }

9 }
10 } Southerly to Westerly winds, fresh or strong to moderate; sea rather rough; rain at times, some mist.
11 }

FURTHER OUTLOOK.

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

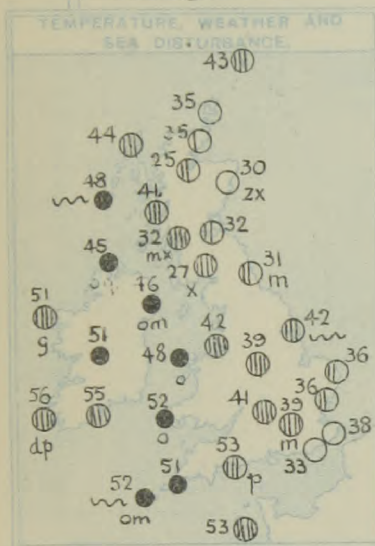
NAPIER SHAW, Director.

SYNOPTIC CHART FOR THE MORNING OF TUESDAY, 17TH

OCTOBER, 1916.

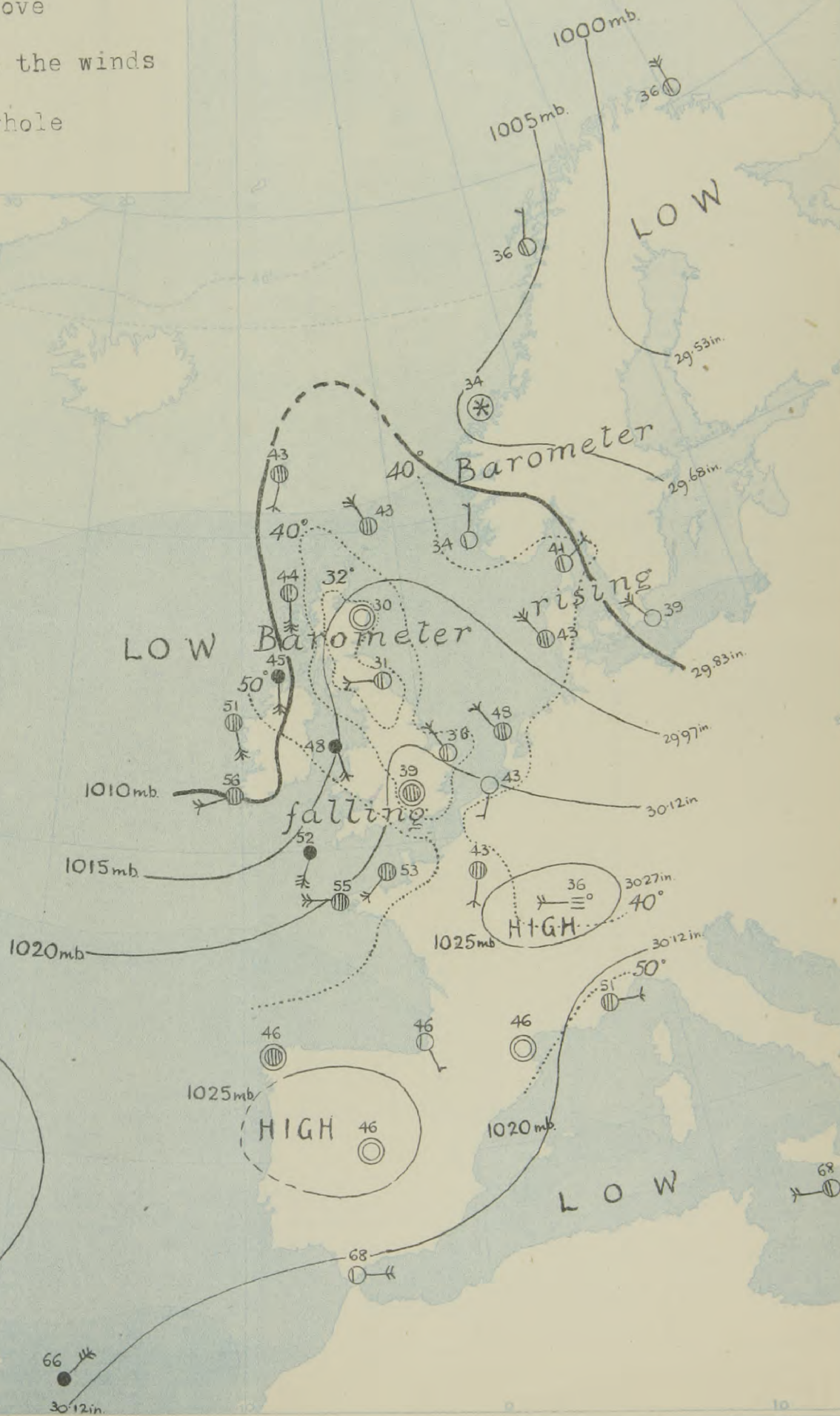
GENERAL INFERENCE.

The depression in the West seems likely to move Eastward and to affect the winds and weather over the whole Kingdom.



EXPLANATION.

BAROMETER.—Isobars are drawn for intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind.
 Force, on the scale 0-12, is indicated by the number of feathers. Calm
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.
WEATHER.—Shown by the following symbols:—
 ○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded.
 ○ sky 3/4 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.	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 ...	1001.6	26	SE	2	0											Isafjord ...	1013.6	39	+11		0	b	
	Gorki ...	1008.2	48	SW	1	0											Reykjavik	1013.3	27	+5	E	1	c	
	Velieki Luki ...	1009.3	50	S	3	0											Vestmanna	1014.7	43	+9		0	0	
	Hango ...	987.4	48	SSW	7	0											Seydisfjord	1011.4	34	+6		0	c	
	Riga ...	998.4	52	SW	5	0											Thorshavn	1015.5	32	-21	NW	2	0	
	Petrograd ...	991.8	48	SSW	4	0																		
	Moscow ...	1012.6	39	SSW	2	0																		
	Kiev ...																							
	Kharkov ...																							
	Kishinev ...																							
	Elisabetgrad ...																							
	Nicolaiev ...																							
MEDITERRANEAN.	Odessa ...																							
	Tarkhankout...																							
	Soukhoum ...																							
	Venice ...	1013.4	61	-	0	0			57	0	-	0	22	-	63	57								
	Pesaro ...	1015.3	57	-	0	0			59	0	SW	1	0	-	64	52								
	Rome ...	1010.2	63	-	0	0			57	+3	-	0	0	-	72	54								
	Viesti ...	1016.9	60	-	0	0			64	0	-	0	0	-	66	61								
	Brindisi ...	1020.2	61	SW	1	0			66	0	E	2	0	-	68	61								
	Cagliari ...	1017.6	70	SE	4	0			61	+4	SE	2	0	-	73	50								
	Palermo ...	1017.7	60	-	0	0			68	0	ESE	1	0	-	75	53								
	Tripoli ...	1017.9	72	NW	1	0			66	-	SSW	2	0	-	75	59								
	Algiers ...	1016.7	66	-	0	0			64	0	W	1	0	-	75	61								
SWEDEN.	Hernösand ...	999.3	48	S	2	0			34	-4	-	0	0	x	x	x								
	Stockholm ...	992.4	52	SW	6	0			43	-11	SW	2	0	x	x	x								
	Wisby ...	990.6	52	SW	6	0			46	-6	N	4	0	x	x	x								

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	1	—	50	37	bc	b	7.5	England, E.	Lowestoft	8	1	52	39	bc	c.or	5.6
	Banff	4	0.1	42	33	cp. sp.	cp.	0.5		Felixstowe	0.2	1	51	23	b.bc	bc.op	6.2
	Montrose	—	—	45	36	bc	bc	4.1		Walton-on-Naze	—	—	55	38	b.b.c.c	c.o	5.2
	Carnoustie	*	*	—	—	—	—	—		Southend-on-Sea	—	—	55	38	b.b.c.c	c.o	5.2
	St. Andrews	—	—	46	34	bc	c	3.3		Margate	—	—	52	45	b	b.b.c.c	5.6
Eng. N.E.	Harrogate	—	0.1	48	33	bc	chp. b.	2.1	England, S.E.	Ramsgate	—	—	52	42	b.bc	bc.o	5.9
	Skegness	0.1	0.2	50	35	b.ou	pg.o.	3.7		Hastings	—	—	54	40	b	b.bc	7.9
Eng. N.W.	Morecambe	3	2	51	38	—	—	2.5		Eastbourne	—	—	54	41	b.c.o	o.b.bc	?
	Southport	0.1	3	51	38	bc.c.or	cp. bc.c	2.2		Seaford	*	*	54	40	bc	bc	7.5
Midlands.	Leamington Spa	0.1	0.2	54	34	b	b.bcp.	5.1		England, S.W.	Brighton	—	—	56	40	b	bc.c.	7.4
	Malvern	0.3	1	52	40	bcp.	p.bc	5.0	Worthing		—	—	58	38	b	b	?
	Ross-on-Wye	—	1	55	36	c.bc	d.cp.	5.9	Littlehampton		—	—	55	38	bc	bc	7.2
Wales.	—	—	—	—	—	—	—	—	Bournemouth		—	1	54	41	b	b.bc	7.0
	Weymouth	*	*	57	41	b.b	bc.og.	5.8	Torquay		—	—	55	41	b.bc	bc.c.	4.8
	Torquay	—	—	55	41	—	—	—	Paignton	*	*	—	—	—	—	—	
	Paignton	—	—	58	46	bc	c.o	6.2	Penzance	—	—	55	49	b	b.p.	4.7	
	Penzance	—	5	55	48	bc	bc	4.6	Newquay	2	0.4	?	48	bc	bc	1.2	
Bude	—	0.4	55	49	b	b.bc	5.0	Bude	—	—	56	43	b	b.bc	5.0		
Hfracombe	—	—	—	—	—	—	—	Hfracombe	—	—	—	—	—	—	—	—	
Weston-s-Mare	—	—	—	—	—	—	—	Weston-s-Mare	—	—	—	—	—	—	—	—	

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

STATIONS.	17th/18th October 1916.		
	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 6.23 L.M.T. 6.23	G.M.T. 11.38 L.M.T. 11.38	G.M.T. 4.53 L.M.T. 4.51
Greenwich ...	G.M.T. 6.28 L.M.T. 6.30	G.M.T. 11.45 L.M.T. 11.45	G.M.T. 5.2 L.M.T. 5.0
Wick ...	G.M.T. 6.54 L.M.T. 6.56	G.M.T. 11.57 L.M.T. 11.57	G.M.T. 5.1 L.M.T. 4.58
Valencia ...	G.M.T. 7.10 L.M.T. 7.12	G.M.T. 12.26 L.M.T. 12.26	G.M.T. 5.42 L.M.T. 5.40

NOTES ON YESTERDAY'S WEATHER.

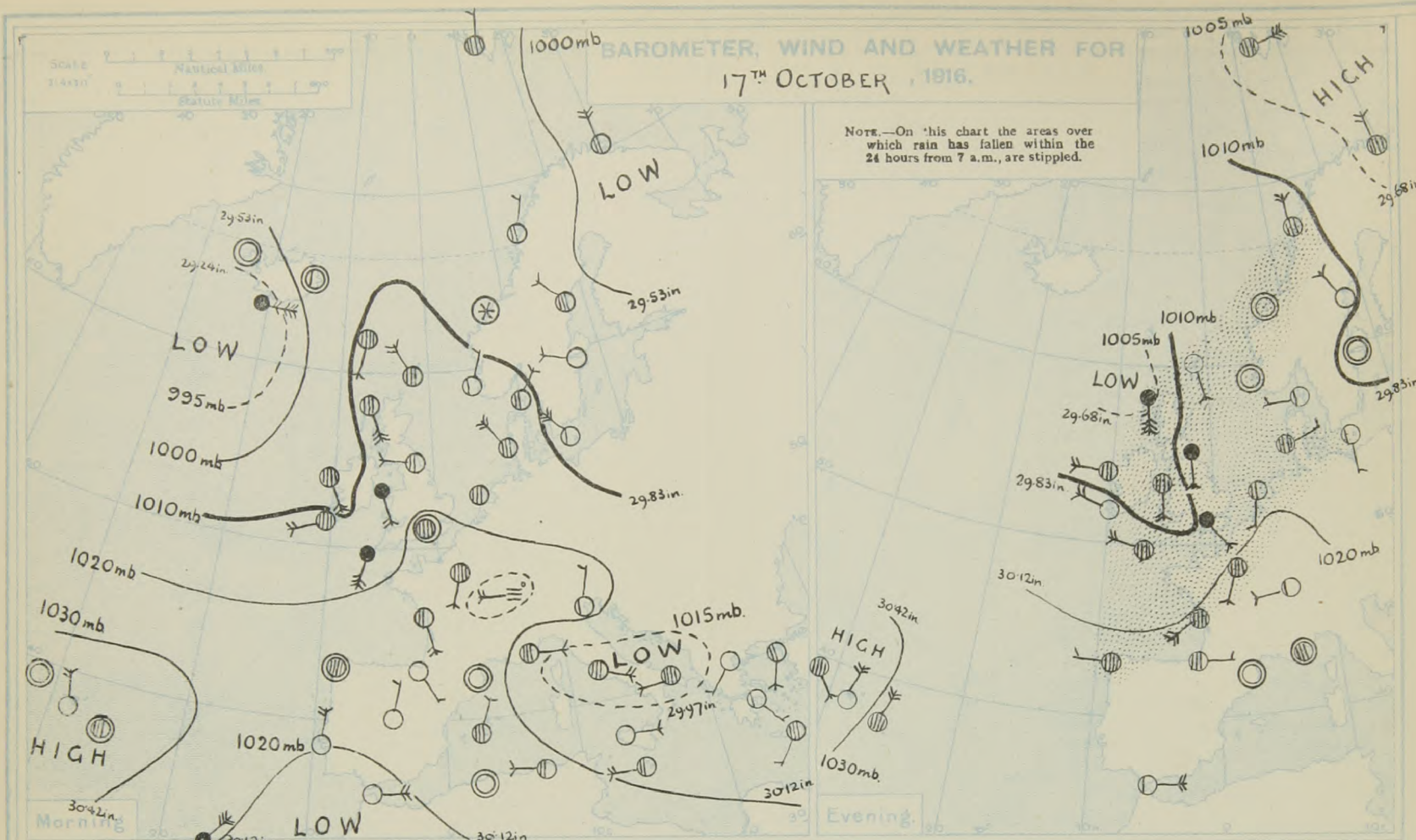
Temperature rose to above 50° in some localities in Southern England, but remained below 45° at some Scottish stations. The minima in the night were low in the North. Rain fell in the West and South-West. Bright sunshine was rather abundant to moderate.

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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Wednesday,
18th October

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 0-2.	Rain- fall. Milli- metres.	Temp.		Weather.																							
			Dir.	Force		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	F.	Wet Bulb.	Change in 24 hours.					Dir.	Force	Max.	Min.	Morning.	Afternoon.	Night.																			
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FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



- | | | |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>0</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10</p> | <p>a</p> <p>b</p> <p>a</p> <p>b</p> <p>a</p> <p>b</p> <p>a</p> <p>b</p> <p>a</p> <p>b</p> <p>a</p> <p>b</p> <p>a</p> <p>b</p> <p>a</p> <p>b</p> | <p>Southerly to South-Westerly or Westerly winds, moderate to fresh, strong at times locally; changeable, showery; mild.</p> <p>Wind between South-West and North-West, light or moderate; some showers, otherwise fair; moderate temperature.</p> <p>Wind mainly between North-West and North, light or moderate; fair generally, some local showers; moderate temperature.</p> <p>Same as Nos. 1 and 2.</p> <p>North-Westerly winds, moderate or fresh to light; fair generally, but some showers; moderate temperature.</p> <p>North-Westerly winds, moderate or light; fair generally; moderate temperature..</p> <p>Wind between South-West and North-West, moderate or light; changeable, some showers; moderately mild.</p> <p>North-Westerly winds, moderate; sea moderate; fair generally.</p> |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

FURTHER OUTLOOK.

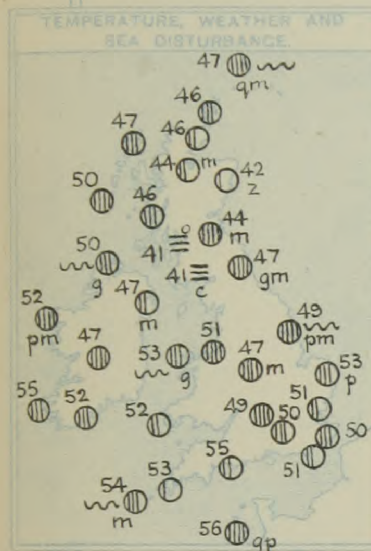
R. G. K. LEMPFFERT, Superintendent, Forecast Division.

NAPIER SHAW, Director

SYNOPTIC CHART FOR THE MORNING OF WEDNESDAY, 18TH OCTOBER, 1916.

GENERAL INFERENCE.

The small depression over Flanders will probably move slowly eastwards, but the general distribution of pressure does not point to any permanent change to stable conditions.



EXPLANATION.

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

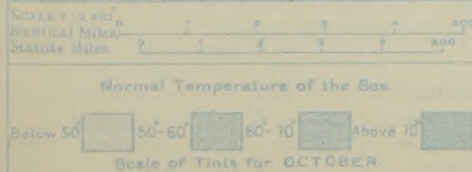
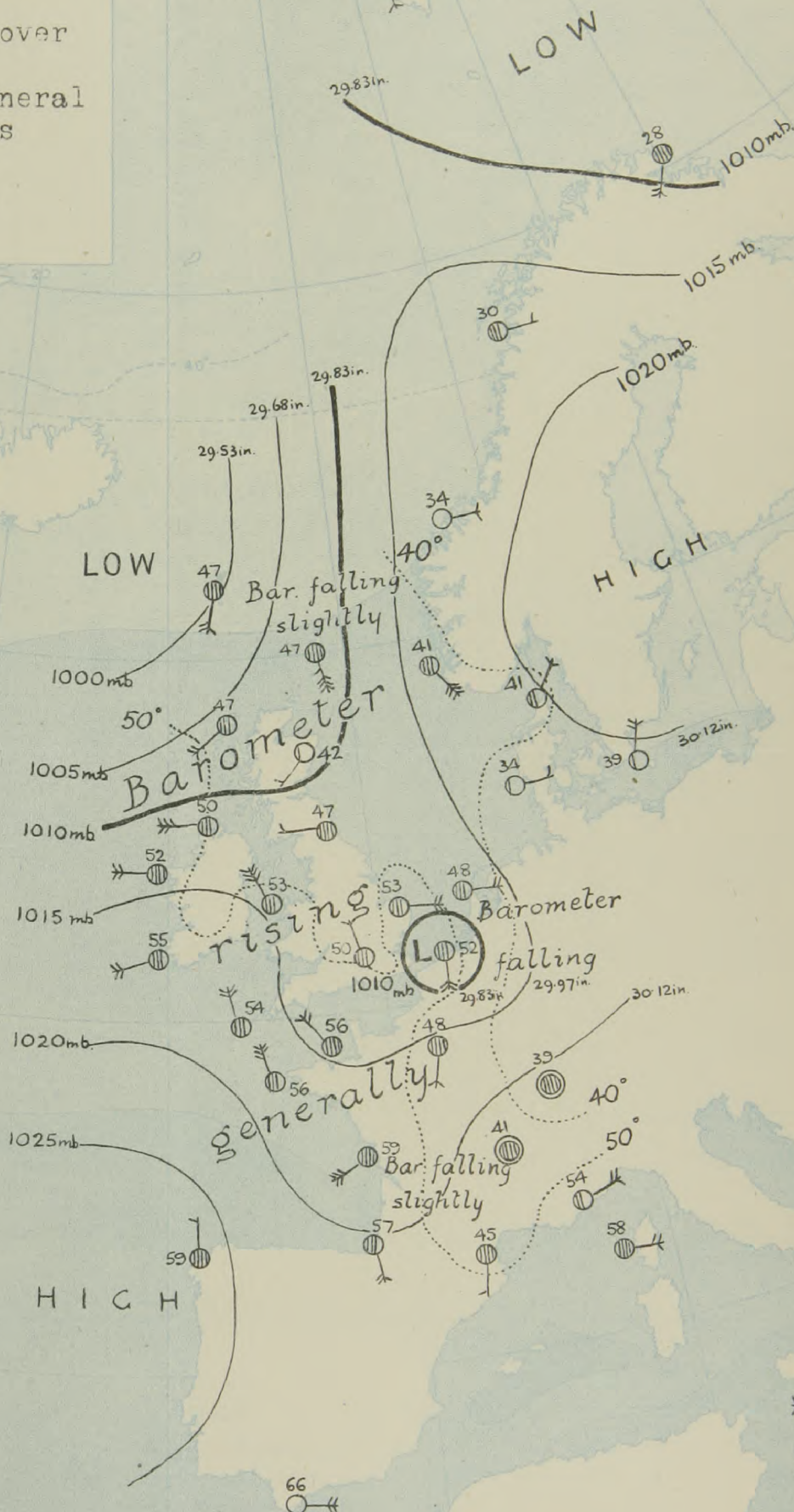
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm.

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

WEATHER.—Shown by the following symbols:—
 ○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded.
 ○ sky 2/3 clouded. ○ overcast sky. ● rain falling.

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

SEA DISTURBANCE.—Rough ~ High ~.



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. Dry Bulb. ° F.	Change in 24 hours. ° F.	Wind. Direc.	Force 0-12.	Weather.	Rain- fall. Milli- metres.	TEMP.		Barom. Milli- bars at M.S.L.	TEMP.		Wind. Direc.	Force 0-12.	Weather.		
			Direc.	Force 0-12.										Max.	Min.		Dry Bulb. ° F.	Change in 24 hours. ° F.					
RUSSIA 7 a.m. and 9 p.m. Local Time.																							
Archangel ...															° F.	° F.							
Gorki ...															*	*							
Vieliki Luki ...							*								*	*							
Hangö ...															*	*							
Riga ...															*	*							
Petrograd ...															*	*							
Moscow ...															*	*							
Kiev ...															*	*							
Kharkov ...															*	*							
Kishinev ...															*	*							
Elisabetgrad ...															*	*							
Nicolaiev ...															*	*							
Odessa ...							*								*	*							
Tarkhankout...							*								*	*							
Soukhoun ...															*	*							
MEDITERRANEAN.																							
Venice ...	10104	54	NE	2	c	10233	*	52	-5	NNE	1	b	6	63	50								
Pesaro ...	10100	59	W	1	r	10154	*	55	-4	N	4	o	10	75	52								
Rome ...	10119	63	-	0	c	10142	*	57	0	SE	3	c	Trace	69	57								
Viesti ...	10096	68	W	4	b	10130	*	63	-1	W	1	o	-	73	59								
Brindisi ...	10146	63	SSE	4	c	10145	*	66	0	W	2	o	-	73	64								
Cagliari ...							*																
Palermo ...	10150	63	-	0	b	10186	*	68	0	E	2	b	11	75	57								
Tripoli ...							*																
Algiers ...	10103	64	N	2	b	10219	+2	63	-1	-	0	b	?	73	59								
SWEDEN.																							
Hernösand ...	9944	36	W	2	b	10031	*	34	0	NW	2	c	*	*	*								
Stockholm ...	9971	41	W	2	b	10063	*	30	-13	WNW	2	b	*	*	*								
Wisby ...	9976	43	SW	4	b	10061	*	39	-7	N	4	bc.	*	*	*								

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	—	

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.	Day.	Max.	Min.	Forenoon.	Afternoon.			Night.	Day.	Max.	Min.	Forenoon.	Afternoon.	
	15h-18h.	9h-12h.	F.	F.					15h-18h.	9h-12h.	F.	F.			
Scotland.								England, N.E.							
Oban ...	-	1	45	35	cr	b.	0.0	England, E.		0.3	51	35	bc.c	c.o	4.0
Banff ...	-	-	46	28	b	b. bc.	7.5			0.3	53	32	f. bc.m	b. c. op	3.4
Montrose ...	-	-	46	28	b	o	4.5			0.5	52	35	b. bc.	b. c. ad	2.8
Carnoustie ...	*	*								1	53	36	oz.	odr	0.4
St. Andrews ...	-	1	46	23	bc	o.	2.3								
Eng. N.E.								England, S.E.							
Harrogate ...	-	1	44	32	or	or	0.0			0.3	52	37	b. bc.	c. or	1.9
Skegness ...	-	-	48	33	o. cg	og. p. r.	0.2			4	53	38	b. bc. o	or	2.0
										7	54	36	b. c. odr	odr	1.1
Eng. N.W.								England, S.W.							
Morecambe ...	-	7	50	37			0.0			8	54	36	c. or	r	1.2
Southport ...	1	0.2	49	39	od	or	0.0			9	55	36	c. or	r	1.2
										6	54	35	c	r	0.6
Midlands.								England, S.W.							
Leamington Spa ...	0.4	4	49	37	op	od.	0.0			8	54	37	o	or	0.0
Malvern ...	-	11	52	40		r.	0.0			8	54	38	o	or	0.4
Ross-on-Wye ...	0.2	5	51	41		o.	0.0			13	55	38	or	or	0.0
Wales.								England, S.W.							
Rhyl ...	1	3			o. cp	o. c.	0.0	England, S.W.							
Colwyn Bay ...	*	*	51	41	r	r	0.0								
Llandudno ...	*	*													
Aberystwyth ...	*	*	53	45	r. o	or. o	0.0								
Tenby ...	8	12	57	44	r	r. bc. o	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 October 1916.	Sunrise.			Sunset.
	G.M.T.	G.M.T.	G.M.T.	
Yarmouth ...	6.25 6.26	11.38 11.38	4.51 4.50	
Greenwich ...	6.30 6.31	11.45 11.45	5.0 4.59	
Wick ...	6.56 6.58	11.57 11.57	4.58 4.56	
Valencia ...	7.12 7.13	12.26 12.26	5.40 5.38	

NOTES ON YESTERDAY'S WEATHER.

Rain fell very generally, rather heavily in the South-East. Temperature rose to above 50° except in some Scottish localities, touching 60° at Roche's Point. Very little bright sunshine was recorded except in parts of Scotland.

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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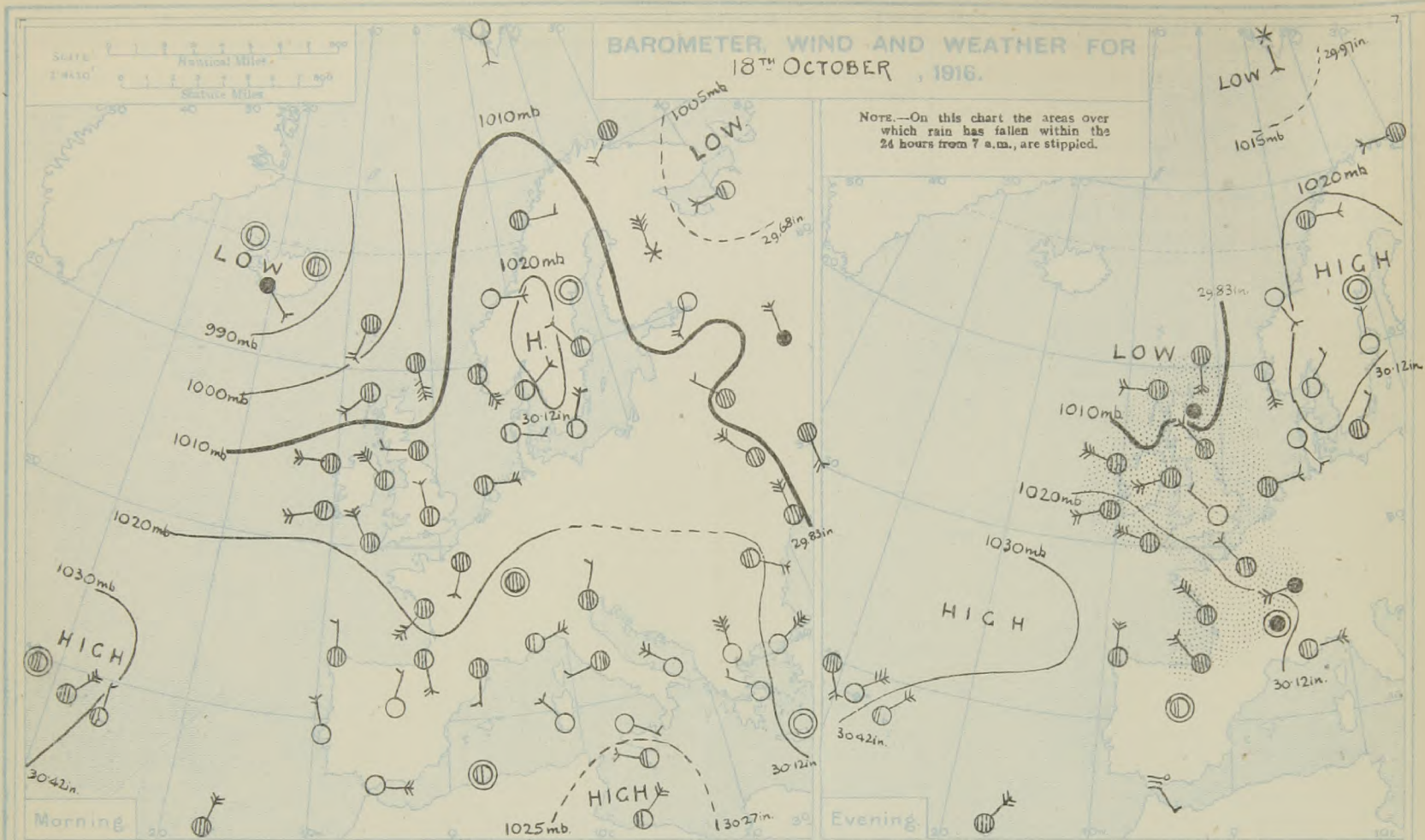
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 293. Thursday, 19th October.

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.										
			Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.								
BRITISH ISLANDS.	Lerwick	1005.5	49	S	A	0	1013.7	+3	47	0	NW	1	-	om	1	2	51	45	omd	om	omd	*						
	Deerness (Orkney)	1005.1	49	S	3	or	1014.9	+	45	-1	SW	1	-	b	1	9	53	43	c	c or	orc bc	2.8						
	Stornoway	1006.8	46	W	3	o	1015.8	+5	42	-5	W	1	-	b	1	12	52	42	c or q	or q c o	cbp	1.4						
	Castlebay (Barra Isd.)	1009.8	51	W	4	b	1018.0	+4	50	0	W	1	-	o	2	5	54	49	or op	op b	bc o	2.1						
	Glasgow	1010.3	50	WSW	2	o	1017.5	+5	43	+2	WNW	1	NW	b	*	2	53	41	m c	cl op	abp b	0.9						
	Eska Dalemuir	1011.2	49	SW	4	or	1016.4	+3	42	+1	NW	4	-	b	*	2	52	39	ome om	omr	or cb	1.7						
	Malin Head	1009.7	50	NW	6	cg	1018.0	+3	52	+2	NNW	4	NW	c	5	5	52	47	cg	cg b	eg	0.0						
	Blackrod Point	1015.5	52	WNW	5	cnp	1019.6	+1	51	-1	W	2	-	ofe	3	2	56	50	cnp	cnp	bc, cne	*						
	Valencia	1020.3	57	WSW	4	o	1023.1	0	56	+1	W	1	-	o	3	1	58	55	c o	c o	c o	0.0						
	Roche's Point	1019.6	56	W	3	o	1022.9	*	53	+1	W	2	-	o	2	1	57	51	c o	om	dp	*						
	Birr Castle	1017.0	53	SW	1	c	1021.5	*	50	+3	WSW	1	-	o	*	1	56	45	or	or c	o	0.0						
	Donaghadee	1011.7	52	WNW	4	o	1018.1	+2	49	+2	NW	4	NW	cm	3	2	54	47	bcm	cnp	omp	*						
	Liverpool (Bldston)	1014.8	52	SW	3	r	1016.8	+1	50	-1	WNW	4	W	bc	3	3	55	47	bcp	c ad	op	4.3						
	Holyhead	1014.5	55	WSW	4	o	1018.4	+2	52	-1	NW	6	N	cg	6	1	56	51	c, bc o	c dp o	dp bcc	2.5						
	Pembroke (St. Ann's)	1018.3	57	WSW	4	c	1020.3	+2	53	+1	NW	4	NW	c	4	2	57	51	bc	c	c bc c	4.6						
	Scilly (St. Mary's)	1022.8	57	WNW	5	og	1022.3	0	56	+2	NNW	5	NW	c	6	1	60	54	c bc	cnp	omp d c	5.5						
	Falmouth	1021.0	56	W	3	og	1021.0	+2	53	0	NW	3	-	b	*	2	60	52	bc q	bc q c	od rcb	6.1						
	Jersey (St. Aubin)	1021.1	56	WNW	3	b	1018.2	*	55	-1	NW	3	-	o	3	4	61	53	p bc b	b	bc dp	7.1						
	Portland Bill	1019.1	57	WNW	5	o	1017.9	+1	54	-1	NW	4	NW	bc	4	-	60	53	bc	bc c	ac bc	*						
	Dungeness	1016.6	52	NW	3	bc	1013.3	-2	51	0	NW	2	NW	c	2	15	55	47	o c	c o c	bc, bc	*						
	Dover	1015.7	51	NW	3	bc	1012.7	-3	50	0	NW	4	NW	o	2	17	51	48	bc	bc c	bc or	2.7						
Wick	1005.2	50	SSW	3	r	1015.8	+4	39	-7	W	2	-	b	2	3	52	37	bc z	bc z or	bomb	*							
Nairn	1006.6	48	W	3	ou	1016.0	*	42	-2	W	1	-	bc	1	3	54	38	bc q	cp r u	dp c	1.8							
Aberdeen	1008.1	51	S	2	omp	1016.1	+6	38	-4	WNW	3	-	bxz	2	2	55	35	b bc z	cz dpm	dpm bx	2.9							
Leith	1009.2	52	W	2	o	1016.8	+2	43	-1	WSW	1	NW	bc	2	1	56	42	omg. o	cep o	o cm bc	*							
Tynemouth	1012.4	53	NW	2	og m	1015.2	+2	42	-5	NW	3	-	bm	3	1	56	40	cm	cm	bmp	*							
Spurn Head	1015.0	52	W	1	om	1013.8	0	46	-3	NW	4	-	bc	4	8	53	46	p om	om	o cm	0.0							
Yarmouth	1016.0	51	-	0	c	1012.7	0	48	-5	NW	2	-	bc	1	5	55	47	cp	cnd	cnp	0.0							
Clacton-on-Sea	1016.4	51	WNW	2	c	1013.5	-2	51	0	WNW	3	NW	o	2	1	56	49	bc cbc	bc c	c bc or	2.5							
Nottingham	1015.9	51	W	2	c	1015.8	*	47	0	NW	2	NW	bcm	*	0.2	57	47	om c	c	dp o	1.6							
Benson (Oxon.)	1017.6	50	NW	1	b	1015.7	0	48	-1	NW	3	NW	c	*	7	58	48	o bc c	b	b or o	*							
Sth Farnborough	1017.7	51	WNW	2	b	1015.4	0	50	-1	NW	3	NW	o	*	3	60	47	o c bc c	bc cbc b	b bc or q	2.5							
London (Kew Obsy.)	1017.8	52	NW	1	bm	1015.2	+1	50	0	NW	2	NW	bc	*	6	57	50	c dp o	o c bc bm	bm or c bc	0.6							
NORTHERN EUROPE.	Spitsbergen	1013.0	5	S	2	g	1006.3	-2	28	+36	S	8	S	*	*	28	-9	UPPER AIR. South Farnborough. Pilot Balloon Ascent at 7.15 a.m. Wind at: 1500 m NW 13 m.p.s 1200 " NW 13 900 " NW 14 600 " NW 16 300 " NW by N 11 Surface NW 7										
	Vardö	1013.9	34	W	2	o	1024.0	+5	34	+6	W	1	o	3	*	34	27											
	Bodö	1021.0	34	E	2	c	1022.8	+2	30	0	E	2	-	S	2	-	36						28					
	Christiansund	1017.7	36	SE	2	b	1022.3	+3	?	-	o	-	b	3	-	37	32											
	Skudesnaes	1017.7	45	SSE	5	bc	1021.7	+3	41	0	SE	5	-	b	4	-	45						39					
	Færder (X'aniafjord)	1021.7	37	SE	1	b	1024.2	+3	36	0	NE	2	-	b	1	-	37						36					
	The Scaw (Skagen)	1020.6	37	NE	1	b	1023.3	+1	37	-4	ENE	2	NE	b	2	-	43						36					
	Blaavands Huk	1019.5	36	SE	2	b	1020.8	+2	28	-6	E	2	-	b	1	-	46						25					
	Copenhagen	1020.2	37	N	2	b	1020.8	+1	37	+3	ESE	3	-	b	*	-	41						34					
	Bornholm	1019.7	39	NE	1	c	1019.3	+1	39	0	NNE	3	NE	b	1	-	41						36					
FRANCE, &c.	The Helder	1015.9	48	ESE	2	o	1014.9	0	46	-2	SE	2	-	r	2	Trace	48	46	GALES Duration and Extreme Force in British Islands.									
	C. Gris Nez	1017.6	55	NW	3	c	1013.0	-4	54	+1	NW	3	*	r	2	6	55	52										
	La Hève	1018.0	55	NNW	5	o	1017.7	*	55	0	NNW	7	*	o	6	6	57	52										
	Brest (St. Mathieu)	1024.7	57	NNW	3	o	1022.4	-1	58	+2	WNW	4	*	o	3	-	61	57										
	Roche fort (Ile d'Aix)	1022.9	59	NW	5	o	1023.7	-2	58	-1	WNW	4	*	o	*	2	61	55										
	Biarritz	1025.0	61	NW	3	o	1026.6	0	57	0	NW	3	*	r	3	6	63	55										
	Paris	1018.0	54	NNW	1	o	1016.6	-4	50	+2	S	2	-	r	*	4	57	48										
SOUTHERN STATIONS.	Belfort	1019.5	41	WSW	4	r	1019.5	*	46	+7	WSW	3	*	o	*	10	47	41	GALES Duration and Extreme Force in British Islands.									
	Lyons	1021.7	45	S	5	b	1021.5	*	50	+9	NNW	3	*	c	*	5	56	46										
	Nice	1018.6	55	E	4	c	1013.0	-1	52	-2	E	3	*	o	3	-	63	46										
	Perpignan	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*						24 HOURS ENDED 9 h. To-Day. TEMPERATURE. Max. Min. Min. on Grass. Rain-fall. Morning. After-noon. Night. WEATHER. Morning. After-noon. Night. SOUTH KENSINGTON. Vertical Component of Solar Radiation per square Centimetre during Yesterday. Total. Average Rate. Max. Rate. Joules. Milliwatts. Milliwatts. Temperatures at Greenwich and Cam- den Square are from Glaisher screens.				
	Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*										
	Corunna	1028.7	64	N	4	c	1031.0	+1	50	-9	S	1	-	c	2	-	64	48										
	Madrid	1021.1	66	-	0	bc	1026.4	+2	52	0	NE	1	-	b	*	-	68	50										
Lisbon	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	GALES Duration and Extreme Force in British Islands.										
Azores (Horta)	1031.3	*	NE	5	b	1030.6	0	62	-5	NNE	4	*	b	1	-	70	61											
Madeira	1022.1	73	NE	4	o	1023.0	0	66	-4	NE	4	*	b	4	-	77	66											
Gibraltar	1021.7	66	SE	1	m	1021.3	*	65	-1	E	2	*	m	1	-	74	62											
Malta	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	GALES Duration and Extreme Force in British Islands.										
Limassol	*	*	*	*	*	1015.7	0	72	0	W	1	-	b	1	-	82	55											
Alexandria	1021.3	72	N	3	b	1020.0	+1	73	+1	NE	3	N	bc	2	-	79	70											
Cairo (Helwan)	1019.8	72	NNE	2	b	1019.7	+1	66	-2	-	0	-	b	*	-	81	64											
LONDON OBSERVATIONS.	HUMIDITY.		Sun- shine for Yester- day.	24 HOURS ENDED 9 h. To-Day.			WEATHER.			SOUTH KENSINGTON.																		
	15 h. Yester- day.	9 h. To- day.		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.																	
GREENWICH (Royal Observatory)	80	75	1.0	56	49	42	2	0	0	b or b	Temperatures at Greenwich and Cam- den Square are from Glaisher screens.																	
CITY (Bunhill Row)	*	*	1.0	*	*	*	*	*	*	*																		
WESTMINSTER (St. James's Park)	75	73	1.1	58	50	45	3	0	0	r bc																		
CAMDEN SQ. (British Rainfall)	74	71	1.9	58	48	45	2	c o	0	*																		
HAMPSTEAD (Reservoir)	*	74	2.2	55	45	33	2	0	0	or bc																		
S. KENSINGTON (Museum Grounds)	*	72	1.3	57	50	48	4	od c o	c	b2 al																		
RICHMOND PARK	*	*	*	*	*	*	*	*	*	*																		

* Information for these columns not usually received.

† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.



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 Westerly light or moderate; some showers, considerable fair intervals; moderate temperature

2 } North-Westerly and Northerly winds, light or moderate; fair generally, some local showers on coast; moderate temperature

6 } North-Westerly to Westerly winds, moderate to light; fair generally, but some showers; moderate temperature.

7 } North-Westerly winds, moderate; fair generally; moderate temperature.

9 } Wind between North-West and South West, light or moderate; mostly fair, some showers; moderate temperature.

10 } North-Westerly winds, fresh to moderate; sea rather rough, fair generally.

FURTHER OUTLOOK.

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

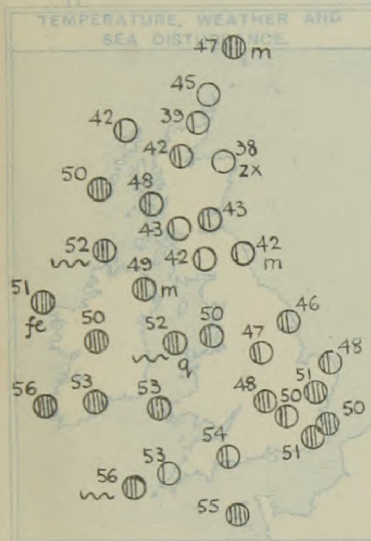
NAPIER SHAW, Director

SYNOPTIC CHART FOR THE MORNING OF THURSDAY, 19TH

OCTOBER, 1916.

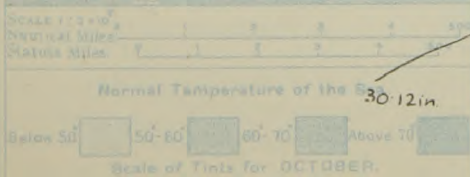
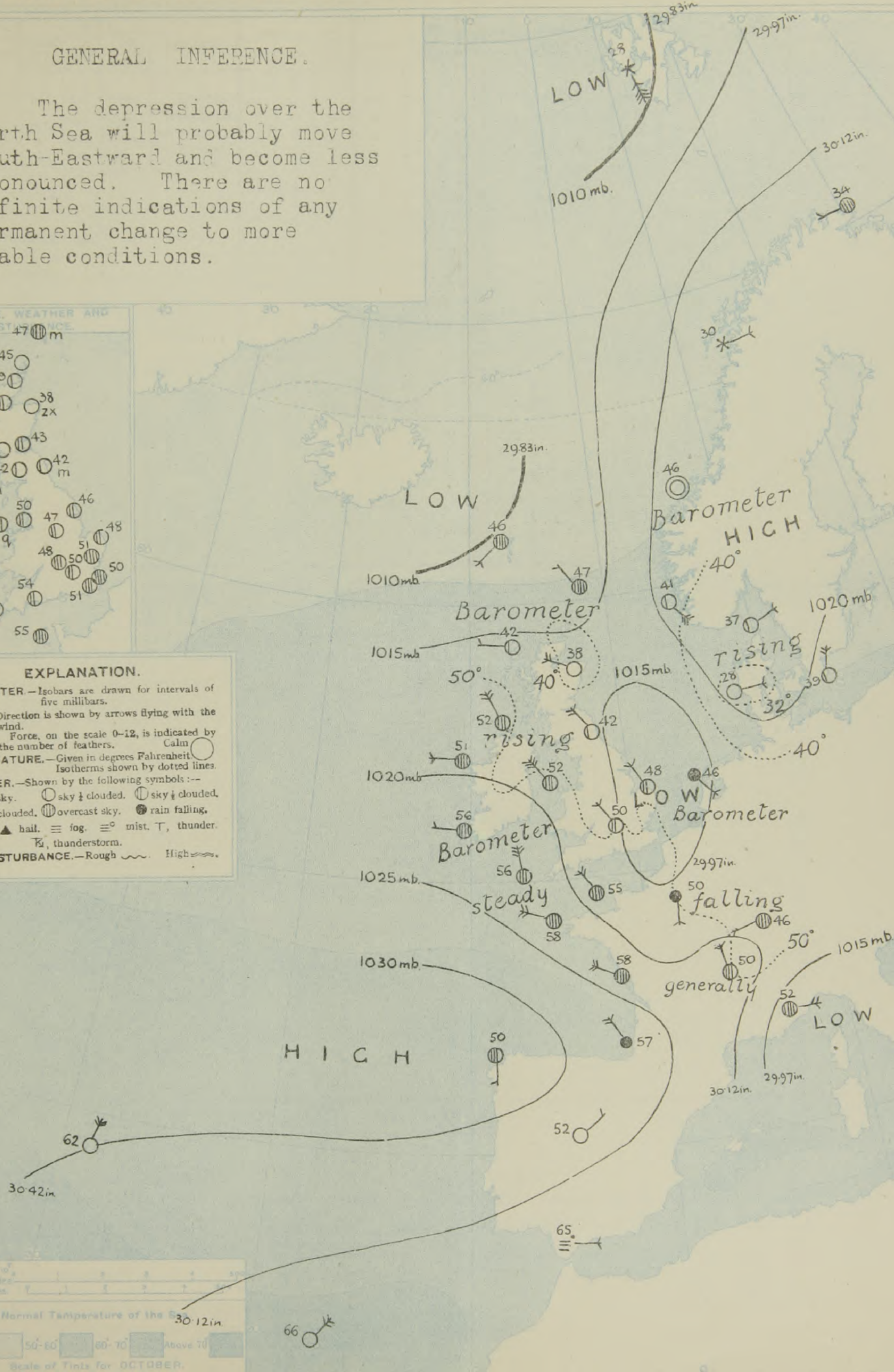
GENERAL INFERENCE.

The depression over the North Sea will probably move South-Eastward and become less pronounced. There are no definite indications of any permanent change to more stable conditions.



EXPLANATION.

BAROMETER.—Isobars are drawn for intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind.
 Force, on the scale 0-12, is indicated by the number of feathers. Calm
TEMPERATURE.—Given in degrees Fahrenheit.
 Isotherms shown by dotted lines.
WEATHER.—Shown by the following symbols:—
 clear sky. sky 1/2 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 ...	9990	32	SW	1	b	10039	+4	27	.	W	2	bc	-	*	23	Isafjord ...	9856	43	+	+	.	0	b
Gorki ...	.	.	.	.	.	10086	?	36	.	NW	1	o	5	*	?	Reykjavik	9869	43	+2	.	0	b
Velieki Luki ...	.	.	.	.	.	10124	*	34	.	WNW	3	o	-	*	34	Vestmanna	9882	43	0	SE	2	r
Hangö ...	.	.	.	.	.	10119	+3	34	.	N	3	o	1	*	32	Seydisfjord	9883	41	+11	.	0	c
Riga ...	.	.	.	.	.	10139	+2	32	.	.	0	b	1	*	30	Thorshavn	9992	47	+4	SWW	3	o
Petrograd ...	10059	37	W	2	b	10097	+3	32	.	SW	3	b	-	43	32								
Moscow ...	10071	50	SW	1	o	10061	+1	50	.	N	3	r	4	*	43								
Kiev ...	10100	45	WNW	3	r	10111	+1	36	.	NW	4	o	7	*	34								
Kharkov ...	10097	54	E	2	b	10057	+3	52	.	S	3	o	-	*	52								
Kishinev ...	10061	35	NW	2	b	10129	+4	29	.	NNW	4	o	2	*	37								
Elisabetgrad ...	.	.	.	.	.	10073	0	36	.	NW	4	o	7	*	34							
Nicolaiev ...	10079	61	S	2	c	10080	*	45	.	NW	7	o	2	*	43								
Odessa ...	10079	61	WSW	3	b	10118	+2	41	.	N	5	o	-	*	41								
Tarkhankout...	10110	63	S	4	b	.	.	.	.	.	.	.	.	.	.
Soukhom ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MEDITERRANEAN.																							
Venice ...	10228	54	ESE	1	bc	10230	*	57	+5	NNE	1	o	1	59	46	British Isles ...			b.		b.		
Pesaro ...	10237	50	.	0	b	10216	*	46	-9	S	1	o	-	61	41	France ...			7		18		
Rome ...	10219	55	N	1	b	10248	*	46	-11	WSW	1	o	-	66	45	Norway ...			7		18		
Viesti ...	10223	59	NW	5	b	10249	*	55	-8	W	1	bc	7	73	52	Sweden ...			7		17		
Brindisi ...	10199	64	NW	6	b	10229	*	61	-5	NW	4	b	-	72	55	Denmark ...			7		18		
Cagliari ...	10220	66	NW	4	c	10213	*	54	.	NW	2	b	-	68	45	Holland ...			7		18		
Palermo ...	10204	63	ESE	1	bc	10244	*	64	-4	SE	1	b	-	72	55	Italy ...			7		20		
Tripoli ...	10226	66	NNE	4	bc	10252	*	72	.	NE	4	bc	-	77	64	Egypt ...			6		18		
Algiers ...	10219	66	NE	1	bc	10206	+1	68	+5	.	0	bc	-	73	63	Corunna...			7		16		
SWEDEN.																							
Hernösand ...	10107	32	NW	2	b	10189	*	27	-7	.	0	b	*	*	*	Madrid ...			8		16		
Stockholm ...	10073	34	.	0	b	10171	*	30	0	NW	2	c	*	*	*	Lisbon ...			7		21		
Wishy ...	10122	39	N	4	b	10163	*	39	0	N	4	c	*	*	*	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-gh.	Day. gh-12h.	Max.	Min.	Forenoon.	Afternoon.				Night. 12h-gh.	Day. gh-12h.	Max.	Min.	Forenoon.	Afternoon.		
		Mm.	Mm.	° F.	° F.			Hrs.			Mm.	Mm.	° F.	° F.			Hrs.	
Scotland.	Oban	2	4	55	40	c.or	p.	0.0	England, E.	Lowestoft	7	0.1	55	46	c.op	or.o	1.4	
	Banff	1	3	55	42	bc	or	1.8		Felixstowe	9	1	55	39	bc.op	op.c	1.8	
	Montrose	3	0.1	55	40	b	o	2.9		Walton-on-Naze	7	-	54	49	b.br.c	c	2.1	
	Carnoustie ... ..	*	*	.	.	.	.	.		Southend-on-Sea	8	-	58	44	o.c.bc	e.bc.	2.1
	St. Andrews	4	1	55	39	bc	bcp	3.0										
Eng. N.E.	Harrogate	4	-	55	43	bc.c	bc.c.	3.2	England, S.E.	Margate	14	-	55	48	o	o.	1.1	
	Skegness	3	-	54	44	og.c	og.om.bc	0.2		Ramsgate	14	-	54	48	bc	bc.	2.3	
Eng. N.W.	Morecambe	3	1	56	47	.	.	3.3		Hastings	9	-	58	50	or.bc	bc.o.	1.6	
	Southport	3	1	56	46	c.bc	bc.c.or	5.6		Eastbourne	14	0.2	?	52	od.bc	o.bc	3.5	
										Seaford	*	*	57	53	bc	c	3.3	
										Brighton								
										Worthing	11	-	58	51	bc.c	bc.	3.4	
Midlands.	Leamington Spa		England, S.W.	Littlehampton	8	-	59	49	o.b	b.o.	3.4
	Malvern	1	-	58	38	b.bc	bc.b	6.0			Bognor	*	*	60	52	bc	bc	3.6
	Ross-on-Wye			Bournemouth	1	-	60	50	c	c	4.8
Wales.	Rhyl	3	-	56	45	r	c.bc.c	2.8	England, S.W.	Weymouth	*	*	60	52	b	b	7.5	
	Colwyn Bay	*	*	55	50	c	c.o	2.7		Torquay	0.2	-	59	52	c.bc.b	b.bc.c.o	5.9	
	Llandudno	*	*	56	50	c	bc.c	3.0		Paignton ... ..	*	*	.	.	.	.	.
	Aberystwyth	0.3	-	56	49	r.o.c	bc.o	3.0		Penzance	1	-	61	54	bc	c.o	5.2	
	Tenby ... ..	.	.	58	49	bc	bc.c	6.0		Newquay	0.2	-	58	50	b	b.	4.4
										Bude	1	Trace	59	51	bc	c.o.	6.0	
										Hilfracombe	-	-	58	50	bc.b.	bc	4.8	
								Weston-s-Mare	-	-	59	44	b	b.bc.c	5.5			

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

19th-20th October 1916.	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 ...	6.26	11.38	4.50	6.28	11.38	4.48	6.31	11.45	4.59
Greenwich ...	6.33	11.45	4.59	6.35	11.52	4.57	6.38	11.57	4.54
Wick ...	6.58	11.57	4.55	7.0	12.07	4.54	7.13	12.26	5.28
Valencia ...	7.15	12.26	5.36						

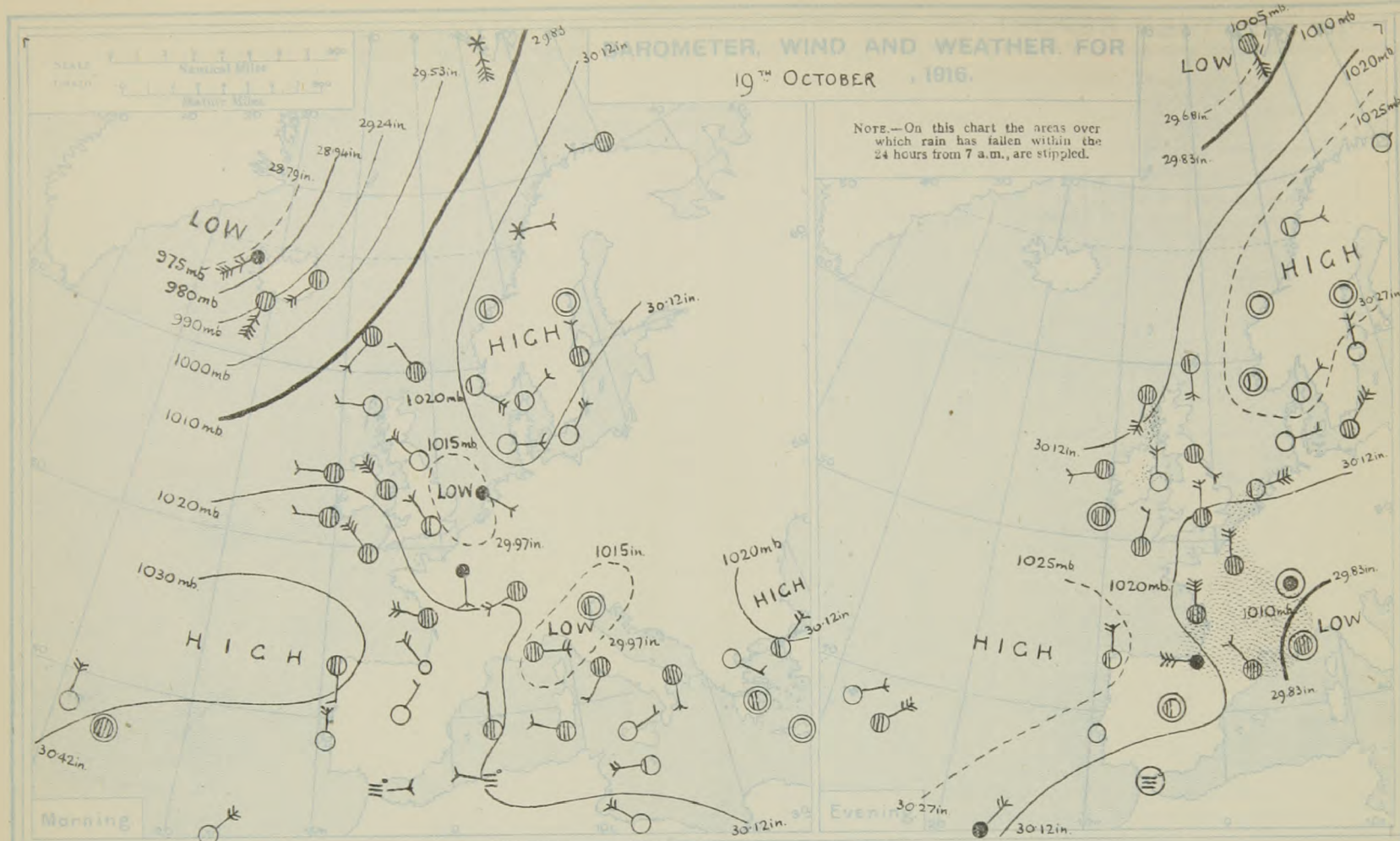
NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 60° in some parts of South England. Rain fell very generally; 15 mm. at Dungeness and 17 mm. at Dover. Bright sunshine was very abundant in the South-West and West of England, and the Channel Islands.

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.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea U-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1021.7	49	S	3	bc	1021.7	0	49	+2	SSW	5	—	o	4	0.2	52	47	bc	bc	bc. o	*
	Deerness (Orkney)	1021.3	48	SI	4	b	1019.6	*	49	+4	S	6	—	o	4	—	53	45	b	bc c	bc c o	8.5
	Stornoway	1019.4	51	SSW	5	oq	1017.5	-1	50	+8	S	6	—	oq	5	1	53	41	b. bc	bc. ag	bc. ag	5.0
	Castlebay (Barrat Isd.)	1021.5	52	S	4	o	1019.3	-1	53	+3	S	5	—	opm	5	3	53	49	o	o	cr opm	0.0
	Glasgow	1024.3	45	E	1	b2	1024.5	-1	42	-1	E	1	W	cm	*	—	54	39	b	b	b2. cm	7.7
	Esksdalemuir	1024.9	41	N	2	b	1024.9	0	32	-10	—	0	—	cmx	*	—	52	30	b bc c	bc b	b of cm	8.8
	Malin Head	1021.3	51	SSW	3	om	1018.8	-2	52	0	S	3	W	cmg	2	—	54	46	om	cm	cmg	0.0
	Blacksod Point	1021.1	54	WSW	2	ome	1018.0	-2	54	+3	SSE	3	S	cg	3	0.3	56	51	ofe	ome	ome. cg	*
	Valencia	1024.4	56	—	0	o	1021.1	-2	54	-2	S	1	S	o	3	0.3	58	54	o	o	o. o	0.0
	Roche's Point	1024.5	55	NW	1	o	1023.0	*	54	+1	SE	3	—	o	3	0.3	59	51	ag	o c ag	o. c. om	*
	Birr Castle	1023.1	52	S	1	o	1021.8	*	51	+1	SE	1	—	c	*	2	53	49	od	o	o. c	0.0
	Donaghadee	1023.2	50	S	1	cz	1023.8	-1	50	+1	SSE	2	—	om	2	—	55	48	cm	bcm	cm om	*
	Liverpool (Bidston)	1023.6	50	NNW	1	b	1025.8	0	45	-5	ESE	2	E	c	2	3	54	45	p bc	b	bm	6.3
	Holyhead	1021.2	52	N	3	b	1024.6	-1	43	-9	S	2	—	b	1	Trace	56	42	c bc c	c bc b	bwm b	3.0
	Pembroke (St. Ann's)	1023.3	49	N	1	bc	1024.6	0	46	-7	ENE	2	E	bc	2	0.2	55	44	bc c	bc c	bc. b. bc	0.0
	Scilly (St. Mary's)	1023.9	54	NNE	1	omq	1024.2	-1	54	-2	E	1	—	bc	3	0.1	57	49	om	omq	o. c. bc	0.3
	Falmouth	1023.3	53	N	3	o	1024.0	-1	42	-11	N	2	—	b	*	—	57	42	bc c ag	ag. co	bw	0.2
	Jersey (St. Aubin)	1019.7	54	NW	3	b	1022.5	*	50	-5	ENE	3	—	o	3	0.2	57	49	op	o c b	b. o	0.0
	Portland Bill	1020.4	53	NNW	3	b	1024.0	0	48	-6	ENE	4	—	b	4	—	56	46	bc c	bc b	bc b	*
	Dungeness	1017.7	50	NNE	3	cp	1024.3	+2	46	-5	E	4	E	c	4	0.4	55	45	bc	bcp	cup. ac	*
	Dover	1018.7	50	N	5	r	1025.4	+2	44	-6	NE	4	NE	o	4	1	54	47	o c bc	bc. cor	o. bc. o	3.3
NORTHERN EUROPE.	Wick	1021.6	50	S	2	bc	1020.5	-1	49	+10	S	5	—	o	4	0.1	52	38	b. bc	bc	bc. ag	*
	Nairn	1021.8	44	—	0	bcm	1020.7	*	47	+5	—	0	—	agm	0	—	52	37	bc	bc	bcm	8.5
	Aberdeen	1024.4	47	S	1	b	1024.3	0	47	+9	S	3	—	bm	2	—	58	37	bz b	b. bm	bcm	8.3
	Leith	1024.5	48	E	1	b	1024.7	0	40	-3	ESE	1	E	bc	2	—	54	39	b	b	b. km bc	*
	Tynemouth	1024.4	51	SE	2	o	1026.7	0	41	-1	SW	2	—	om	3	—	51	40	bm	cmp	bcm	*
	Spurn Head	1022.5	51	E	5	cy	1027.2	0	43	-3	ESE	3	—	bc	4	—	53	42	bc. ag	cy	bc	4.3
	Yarmouth	1021.2	51	ESE	6	c	1027.1	+3	48	0	SE	3	—	bc	3	1	52	45	cp	cy	bcp	2.1
	Clacton-on-Sea	1019.1	51	NNE	3	o	1026.1	+1	48	-3	ENE	4	E	o	4	0.2	52	47	ag. bc	cp. ag	ag. bc o	2.7
	Nottingham	1022.0	51	NNE	3	o	1026.9	*	42	-5	E	1	E	c	*	—	55	42	bc	bc. o	o	6.0
	Benson (Oxon.)	1020.4	50	NNW	3	bc	1026.4	+1	34	-14	NE	1	—	bx	*	—	54	34	c. bc	bc	bc. b. bx	*
FRANCE, &c.	Sth Farnborough	1019.8	49	NW	2	bc	1025.7	+2	36	-14	NE	2	—	c	*	—	55	33	c. bc. bc	bc. bc	bc. bc	5.4
	London (Kew Obsy.)	1019.9	51	N	2	o	1026.4	+1	44	-6	ENE	1	—	om	*	—	55	40	bc. b. bc	c. o	o. c. om	6.9
	Spitsbergen	1022.0	36	S	m	o	984.4	-5	37	+9	S	11	*	r	*	*	36	28	—	—	—	—
	Vardö	1029.5	32	—	0	b	1030.4	0	32	-2	SW	3	—	b	3	*	36	27	—	—	—	—
	Bodö	1028.4	32	E	2	b	1025.5	0	34	+4	E	2	—	b	2	—	36	28	—	—	—	—
	Christiansund	1028.2	37	—	0	b	1028.4	-1	37	—	—	0	—	b	3	—	39	36	—	—	—	—
	Skudesnaes	1028.8	37	—	0	b	1030.9	0	39	-2	E	2	—	c	2	—	46	36	—	—	—	—
	Færder (X'lantia Fjord)	1029.3	39	NE	4	b	1031.5	0	34	-2	N	4	—	b	2	—	39	32	—	—	—	—
	The Scaw (Skagen)	1026.6	39	NE	2	b	1029.6	+1	39	+2	NNE	3	—	b	3	—	43	37	—	—	—	—
	Blaavands Huk	1026.4	34	ENE	1	b	1029.9	+3	28	0	NE	2	—	b	2	—	41	29	—	—	—	—
SOUTHERN STATIONS.	Copenhagen	1024.0	39	NE	5	b	1026.6	+1	37	0	NE	5	—	c	*	—	41	36	—	—	—	—
	Bornholm	1021.7	39	NE	7	c	1024.4	+2	39	0	NNE	4	—	c	1	1	41	34	—	—	—	—
	The Helder	1022.0	46	ENE	6	b	1027.8	+2	41	-5	E	2	—	c	1	1	48	41	—	—	—	—
	C. Gris Nez	1015.4	52	NE	6	o	1025.2	+3	37	-17	E	4	*	b	3	Trace	54	31	—	—	—	—
	La Hève	1012.6	54	N	7	o	?	*	41	-14	NE	3	*	bc	2	—	57	39	—	—	—	—
	Brest (St. Mathieu)	1023.1	55	NNW	5	o	1023.3	-1	48	-10	NE	3	*	bc	2	—	59	48	—	—	—	—
	Rochefort (Ile d'Als)	1017.9	57	NNW	6	o	1019.5	+1	50	-8	N	5	*	o	*	6	61	50	—	—	—	—
	Biarritz	1021.0	61	W	6	r	1019.0	-2	52	-5	SE	3	*	c	3	13	61	50	—	—	—	—
	Paris	1012.7	48	N	3	o	1021.3	+3	37	-13	NNE	3	—	b	*	4	57	37	—	—	—	—
	Belfort	1012.0	46	—	0	r	1015.7	*	39	-7	ENE	4	*	c	*	11	50	37	—	—	—	—
LONDON OBSERVATIONS.	Lyons	1012.3	48	W	1	r	1012.7	*	45	-5	N	4	*	c	*	11	55	43	—	—	—	—
	Nice	1009.5	54	—	0	o	1000.4	-5	51	-1	E	5	*	r	5	12	54	48	—	—	—	—
	Perpignan	1014.9	61	NW	2	o	1011.3	+1	54	—	NW	6	NW	o	*	4	64	45	—	—	—	—
	Sanguinaire	*	59	W	4	o	*	*	55	—	W	4	*	r	4	30	66	52	—	—	—	—
	Corunna	1028.0	61	N	3	bc	1022.0	-2	57	+7	—	0	—	c	3	Trace	61	50	—	—	—	—
	Madrid	1021.1	64	—	0	bc	1019.0	-1	52	0	NNW	1	NW	b	*	—	66	45	—	—	—	—
	Lisbon	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—	—	—	—
	Azores (Horta)	1028.8	*	ENE	2	b	1019.0	0	66	0	NE	3	—	o	3	—	73	66	—	—	—	—
	Madeira	1021.6	70	NE	3	r	1015.6	*	57	-8	NW	2	*	m	3	—	74	56	—	—	—	—
	Gibraltar	1019.6	65	—	0	m	1015.6	*	57	-8	NW	2	*	m	3	—	74	56	—	—	—	—
SOUTH KENSINGTON.	Malta	*	*	*	*	*	1011.8	0	70	-2	—	0	—	c	0	Trace	77	66	—	—	—	—
	Limassol	*	*	*	*	*	1016.7	+1	66	-6	W	1	—	b	0	—	41	59	—	—	—	—
	Alexand																					



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.



- | | | |
|----|---------------------------------|------------------------------------------------------|
| 0 | a | Southerly and South-Westerly winds, fresh to high; |
| b | unsettled, rain at times; mild. | |
| 1 | a | Southerly winds, freshening; some showers; |
| b | milder. | |
| 2 | a | East or South-East winds, light or moderate; fair; |
| b | cool. | |
| 3 | a | Wind mainly Easterly, light or moderate; fair; |
| b | rather low temperature. | |
| 4 | a | Same as No. 0. |
| b | | |
| 5 | a | Same as Nos. 2 and 3. |
| b | | |
| 6 | a | Same as Nos. 4 and 5. |
| b | | |
| 7 | a | Same as No. 0. |
| b | | |
| 8 | a | South-Easterly and Southerly wind, freshening; fair, |
| b | then some rain; mild. | |
| 9 | a | Easterly winds, light or moderate; sea slight; |
| b | fair. | |
| 10 | a | |
| b | | |
| 11 | a | |
| b | | |

STORM WARNINGS.

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

Signals hoisted yesterday.

South Cone.

North Cone.

Signals hoisted this morning.

South Cone.

North Cone.

No Warnings Issued.

Western Channel and Bay

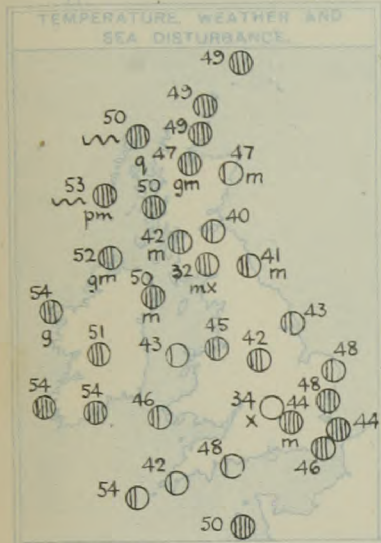
FURTHER OUTLOOK.

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

NAPIER SHAW, Director.

GENERAL INFERENCE.

The anticyclone will extend Southward or South-Eastward, while the Atlantic depression extends somewhat over our western and northern 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:—

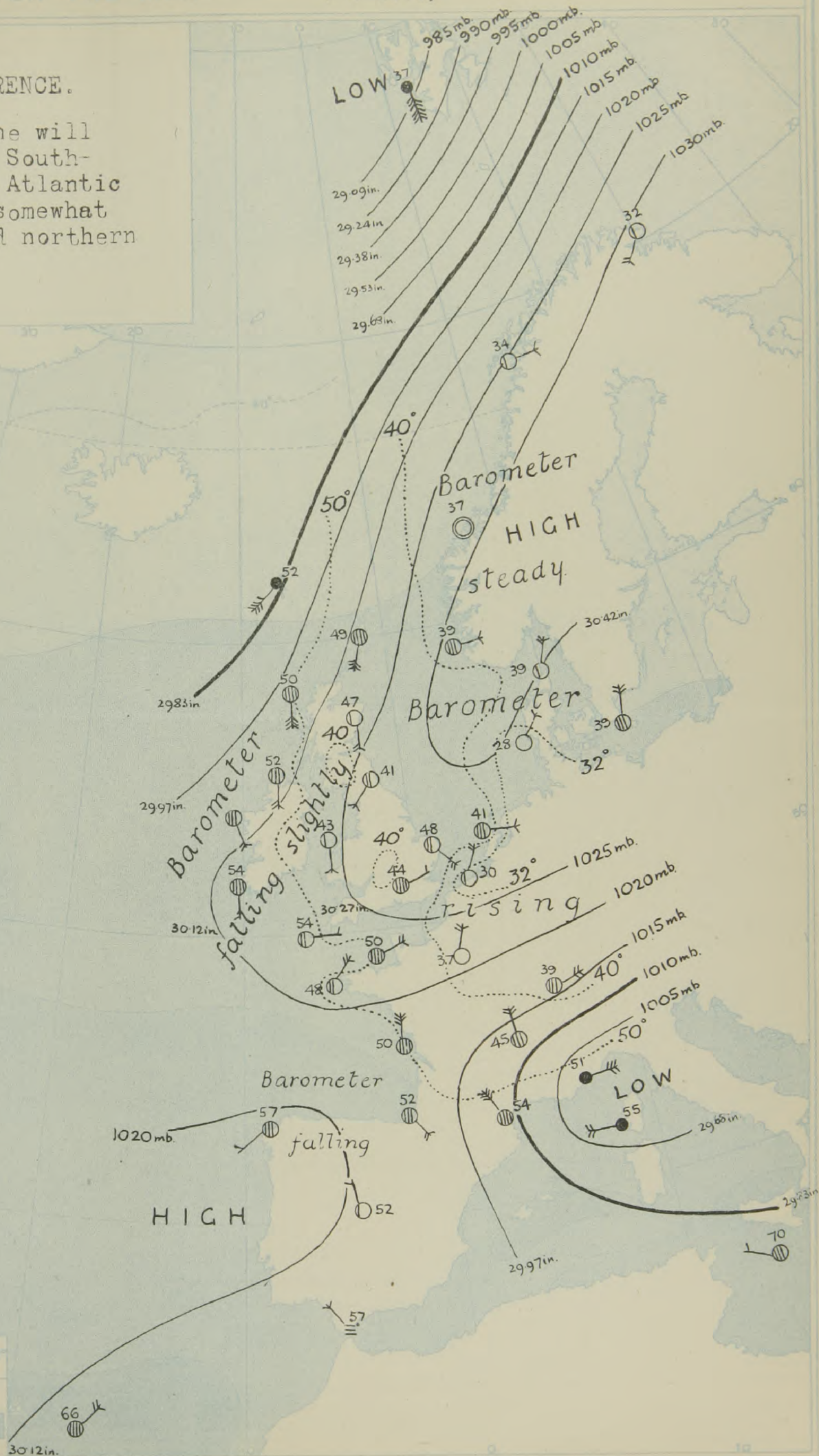
○ clear sky. ○ sky ½ clouded. ○ sky ¾ clouded.

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

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

⚡, thunderstorm.

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



REPORTS FOR YESTERDAY.

REPORT FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.				MORNING.				PAST 24 HOURS.				MORNING									
	Barom. Milli- bars at M.S.L.	TEMP. ° F.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			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.		Weather.	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 ...	10172	30	NE	1	b								° F	° F	Isafjord ...	9753	48	+5	SW	9	r
	Gorki ...	10078	36	W	3	o								*	*	Reykjavik ...	9863	50	+7	S	7	o
	Velicki Luki ...	10130	30	SW	3	b		*						*	*	Vestmanna ...	9896	48	+5	SSW	9	o
	Hangö ...	10171	32	NNE	2	c.								*	*	Seydisfjord ...	9911	46	+5	SW	4	c
	Riga ...	10141	34	-	0	s								*	*	Thorshavn ...	10104	46	-1	SW	2	o
	Petrograd ...	10135	36	ENE	2	o.																
	Moscow ...	9995	36	NNW	3	r								*	*							
	Kiev ...													*	*							
	Kharkov ...													*	*							
	Kishinev ...													*	*							
	Elisabetgrad ...													*	*							
	Nicolaiev ...								*					*	*							
	Odessa ...													*	*							
Tarkhankout...								*					*	*								
Soukhoum ...													*	*								
MEDITERRANEAN.	Venice ...	10162	55	-	0	o	10137	*	50	-7	-	0	bc	-	59	48						
	Pesaro ...	10194	55	-	0	o	10146	*	57	+11	SE	1	o	8	59	46						
	Rome ...	10212	57	-	0	b	10162	*	53	+9	-	0	o	-	64	46						
	Viesti ...	10231	57	ESE	1	b	10162	*	59	+4	NE	2	c	-	63	54						
	Brindisi ...	10216	63	ESE	3	bc	10184	*	57	-4	S	2	o	-	63	57						
	Cagliari ...	10206	64	SE	5	c	10182	*	59	+5	WNW	2	c	-	68	46						
	Palermo ...	10234	66	-	0	b	10260	*	66	+2	ENE	1	b	-	72	50						
	Tripoli ...	10242	66	SSE	1	b	10222	*	66	-6	NW	3	b	-	75	59						
	Algiers ...	10208	70	-	0	b	10199	+1	70	+2	WNW	2	m	-	79	66						
	Hernösand ...	10217	27	-	0	b	10273	*	23	+4	-	0	b	*	*	*						
	Stockholm ...	10203	34	N	2	b	10207	*	32	+2	N	2	c	*	*	*						
	Wisby ...	10183	37	N	4	b	10181	*	37	-2	NNE	6	o	*	*	*						
	SWEDEN.																					
Hours of Observation G.M.T.																			Morning.		Evening.	
																			h.		h.	
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-9h.	9h-12h.							12h-9h.	9h-12h.							
Scotland.	Oban	1	—	56	46	bc.b	o	6.4	England, E.	Lowestoft	4	1	52	48	c.op	c.op.o	2.3
	Banff	1	—	53	35	b	b	8.1		Felixstowe	2	Trace	52	47	bc.op	bc.c	3.1
	Montrose	—	—	52	35	b	c	8.7		Walton-on-Naze	—	—	54	48	bc.c.o	o	2.7
	Carnoustie	*	*							Southend-on-Sea	2	—	54	48	bc.c.o	o	2.7
	St. Andrews	*	*														
Eng. N.E.	Harrogate	2	1	51	41	b	b.bc.op	6.0	England, S.E.	Margate	2	Trace	54	49	bc.b	erg	2.8
	Skegness	4	—	54	44	bc.c	bc.op	6.1		Ramsgate	3	1	53	46	o.bc	or	2.7
Eng. N.W.	Morecambe	3	—	55	48			8.7		Hastings	9	Trace	55	49	or.bc.b	bc.o	5.4
	Southport	3	—	55	48	bc.b	b	8.4		Eastbourne	6	Trace	56	51	or.bc.	bc.b.	6.5
Midlands.	Leamington Spa	Trace	—	56	46	b.bc	bc.c	7.5		Seaford	*	*					
	Malvern	1	—	54	45	bc	bc	5.7		Brighton	*	*					
	Ross-on-Wye	2	—	56	46	c.bc	bc	3.7		Worthing	2	—	55	49	bc	bc	5.5
Wales.	Rhyl	1	—	54	50	op.c	bc.c.bc	5.2	England, S.W.	Littlehampton	3	—	55	50	bc	bc	4.0
	Colwyn Bay	*	*	55	50	bc	bc	4.0		Bognor	*	*	55	50	o.c	b	3.6
	Llandudno	*	*	56	51	c.b	b.	4.7		Bournemouth	1	—	55	50	o.c	b	3.6
	Aberystwyth	*	*	55	50	r.o.c	c.bc	3.0		Weymouth	*	*	57	52	o	o.c.bc.b	0.8
	Tenby	1	—	56	48	bc.c	bc	0.9		Torquay	Trace	*	57	52	o	o.c.bc.b	0.8
								Paignton		*	*	57	54	o.c	o	0.0	
								Penzance		1	—	55	53	c	c	0.0	
								Newquay	6	—	59	53	o	o	0.4		
								Bude	—	—	59	53	o	o	0.4		
								Ilfracombe	1	—	56	55	bc	bc	1.3		
								Weston-s-Mare	—	—	57	50	bc.c	bc.b	2.2		

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

30.12.1. October 1916.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.28 6.30	11.38 11.40	4.49 4.51
Greenwich ...	6.33 6.35	11.45 11.47	4.57 4.59
Wick ...	7.0	11.57	4.54
Valencia ...	7.45 7.17	12.26 12.26	5.30 5.34

NOTES ON YESTERDAY'S WEATHER.

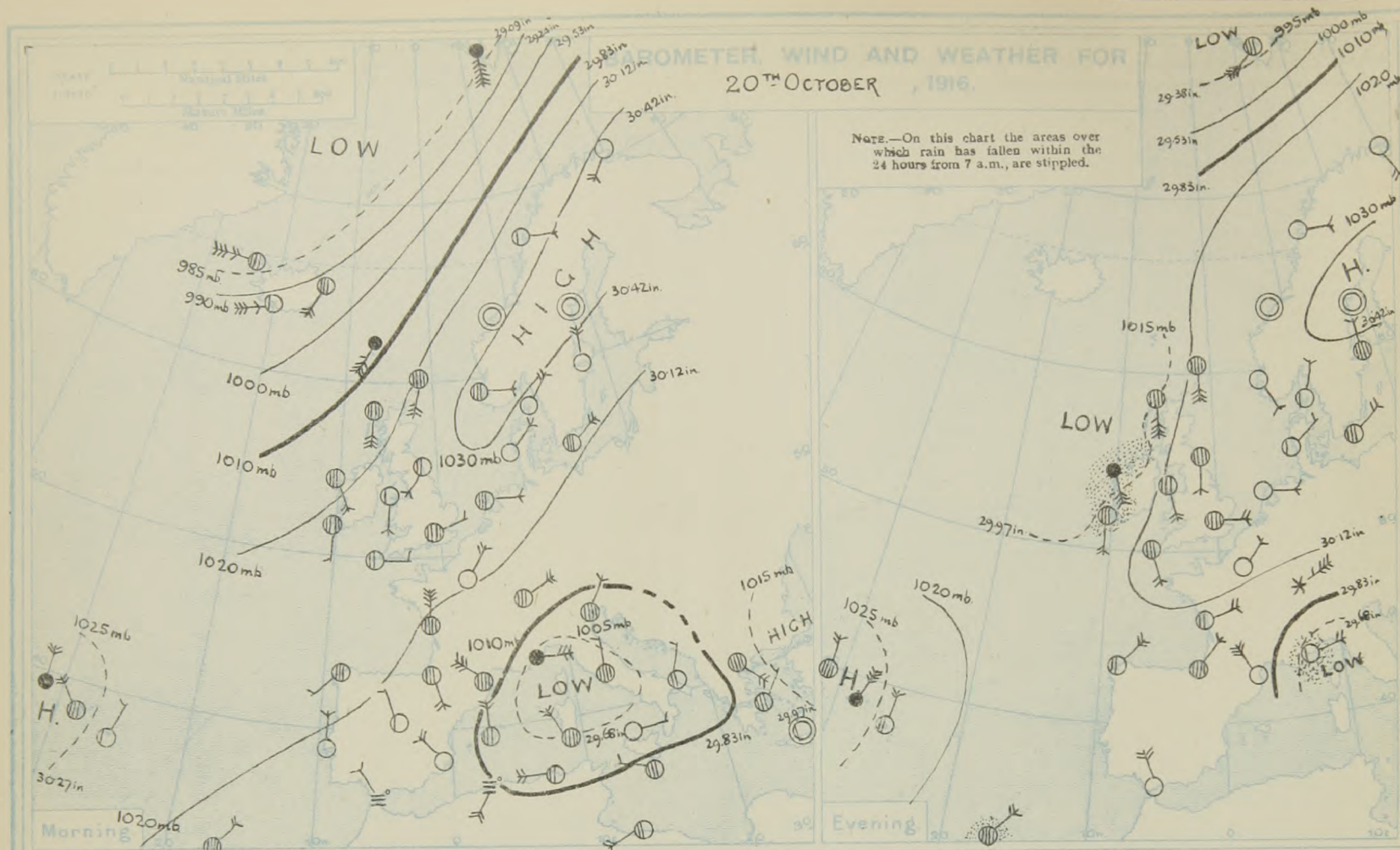
Temperature rose to 55° or above in many parts of the Kingdom. Showers were experienced in places, but various localities in Great Britain recorded several hours of bright sunshine.

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.

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.

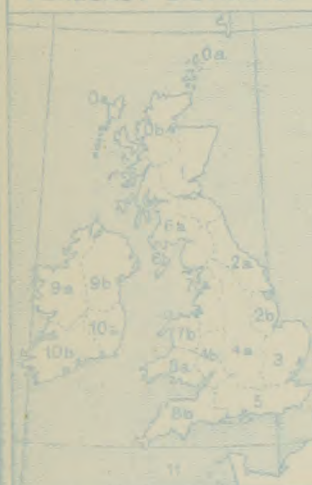
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 295. Saturday 21st October

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	10203	49	S	6	0	1017.4	0	49	0	S	6	-	og	5	-	50	48	0	0	og	*
	Deerness (Orkney)	10179	50	SE	5	og	1013.9	-	47	-2	SSE	6	-	og	5	-	51	47	0	og	og	0.0
	Stornoway	10145	53	S	7	odp	1010.8	-1	51	+1	S	7	-	og	6	0.3	53	50	odp	odp	odp	0.0
	Castlebay (Barra Isd.)	10164	53	SSE	5	0	1011.4	-1	52	-1	SSE	5	-	om	5	-	54	51	opm.c	r.d.c	odp	0.0
	Glasgow	10216	47	ESE	1	omg	1017.4	-1	39	-3	ESE	2	-	omg	*	-	50	39	c om	om	om	0.0
	Esksdalemuir	10234	41	-	0	om	1019.5	-1	31	-1	NW	1	W	bcx	*	0.1	49	29	cmx. om	c. bc	bc-bm	2.5
	Malin Head	10144	52	S	6	cmg	1009.2	-2	50	-2	S	4	SW	cmg	4	0.2	54	49	omg	cmg	omg	0.0
	Blacksod Point	10120	55	SSE	6	cmg	1006.1	+1	51	-3	S	2	-	omr	3	4	56	50	omr	cmg	cmg	0.0
	Valencia	1018.1	55	S	3	c	1007.8	-1	50	-4	WSW	1	-	or	3	11	57	50	o. od	ad. oc	o. or	0.0
	Roche's Point	10183	54	ESE	3	0	1010.4	*	53	-1	SE	5	-	r	6	7	56	52	or. f m	od. om	omd	*
	Birr Castle	10177	52	SE	3	0	1011.0	*	50	-1	SE	3	-	o	*	-	55	49	c. o	o	o	0.4
	Donaghadee	10195	50	S	4	ogm	1013.6	-1	48	-2	S	4	-	ogm	3	-	54	48	om	ogm	ogm	*
	Liverpool (Bidston)	10237	45	SE	2	b	1017.8	-3	34	-11	ESE	3	-	b	2	-	50	34	c. b	b	b	5.4
	Holyhead	10216	49	SSE	4	og	1015.8	-1	46	+3	S	5	SW	c	4	-	54	43	b. bc c	c bc c	c. c	3.7
	Pembroke (St. Ann's)	10212	52	SE	4	c	1015.1	-1	48	+2	SSE	4	S	og	3	-	54	46	bc	bc c	c. bc	0.9
	Scilly (St. Mary's)	10208	54	SSE	3	cmg	1014.3	-2	49	-5	SE	5	SE	bcm	4	-	58	48	bcm	bc. cmg	og. bc	8.5
	Falmouth	10210	51	ESE	4	0	1015.4	-1	46	+4	SE	4	-	bc	*	-	56	41	bc	og	oc bc	1.0
	Jersey (St. Aubin)	10214	47	E	4	b	1018.3	*	43	-7	E	4	E	b	3	-	54	39	bc c b	b	b	7.0
	Portland Bill	10229	50	E	4	c	1018.1	-1	48	0	SE	4	SE	c	4	-	52	45	b. bc c	c. c	c. o	*
	Dungeness	10232	45	E	3	bc	1019.9	-2	43	-3	E	3	E	b	3	-	54	40	o c	c bc	bc	*
	Dover	10247	42	?	3	bc	10205	-2	42	-2	SE	3	NE	bc	3	-	47	40	o. c. bc	bc c	c. bc	5.4
Wick	10174	51	S	5	0	10184	-2	47	-2	S	6	-	o	4	-	52	46	omg	omg	bc omg	0.3	
Nairn	10183	48	-	0	cmg	10138	*	44	-3	S	1	-	bcgm	1	-	55	40	o. cg	m. c	cmg	*	
Aberdeen	10220	50	S	4	c	1018.2	-1	42	-5	SW	3	NW	by	2	-	52	42	bm	b bc c	c bc	5.1	
Leith	10221	45	ESE	1	b	1018.1	-1	37	-3	SE	1	SE	bc	1	-	53	35	bcm bc	b	b bc bc	*	
Tynemouth	10234	47	S	2	om	1019.8	-3	39	-2	SW	2	SW	cm	3	-	49	39	bcm	om	cm	*	
Spurn Head	10256	49	SSE	3	0	1021.1	0	46	-3	SSW	2	-	bc	3	-	54	44	bc	bc. om	o	5.0	
Yarmouth	10259	46	SE	4	bc	1021.2	-2	40	-8	NW	1	-	c	3	-	49	39	bc	bc	bc	1.0	
Clacton-on-Sea	10250	46	ESE	4	bc	1020.6	-1	38	-10	NW	2	E	bc	2	-	48	38	og	o c bc	bc	0.3	
Nottingham	10252	46	SE	2	c	10207	*	28	-14	SE	1	NE	bm	*	-	52	27	c	c. o	c. b	3.6	
Benson (Oxon.)	10247	40	E	3	0	10208	0	34	0	E	3	NW	bcx	*	-	51	30	bc c o	o	o. bc	*	
St. Farnborough	10242	39	ESE	1	c	10203	-2	27	-9	NW	2	N	bcx	*	-	48	27	m c o	om c	o. bc	1.2	
London (Kew Obsy.)	10249	46	E	3	0	10208	-1	32	-12	-	0	N	bm	*	-	48	30	om. bc. c o	o om o	o. bc	1.2	
NORTHERN EUROPE.	Spitsbergen	9943	32	SW	6	c	10060	+5	37	0	SW	4	*	o	*	*	37	34	UPPER AIR. South Farnborough. Pilot Balloon Ascent at 7.45 a.m. Wind at 3000 m NE 5 m.p.s 2700 " NE 5 " 2400 " E by N 8 " 2100 " ESE 9 " 1800 " SE by E 5 " 1500 " SE 6 " 1200 " SE by E 7 " 900 " ESE 6 " 600 " SE 6 " 300 " SE by E 8 " Surface " NW 1 "			
	Vardö	10283	32	SE	8	b	10339	+3	27	-5	SW	2	-	b	2	-	32	24				
	Bodö	10290	37	E	2	b	10275	-1	34	0	E	4	-	b	2	-	37	30				
	Christiansund	10283	37	-	0	b	10256	0	34	-3	-	0	NE	b	2	-	43	32				
	Skudesnaes	10287	39	SE	2	b	1025.2	0	39	0	E	3	-	b	2	-	45	36				
	Færder (Xania Fjord)	10292	41	N	2	b	1027.1	-2	34	0	ESE	4	-	o	2	-	41	32				
	The Scau (Skagen)	10279	41	NNE	2	b	1024.4	-3	36	-3	NNE	2	-	o	2	-	43	36				
	Blaavands Huk	10270	36	NE	1	b	1023.3	-3	30	+2	NE	2	-	c	2	-	41	27				
	Copenhagen	10257	39	NE	3	bc	10217	-2	36	-1	ESE	3	-	b	*	-	39	36				
	Bornholm	10246	41	NE	3	c	10208	-2	41	+2	NNE	3	NE	b	1	-	41	37				
FRANCE, &c.	The Helder	10261	43	E	2	b	1021.5	-1	41	0	E	1	-	c	0	-	45	34	Aberdeen 8h Wind at 1200 m S 20 m.p.s 900 " S 20 " 600 " S by W 18 " 300 " S by W 14 " 150 " S by W 10 " Surface " SSW 5 "			
	C. Gris Nez	10247	37	E	3	b	10202	-2	32	-5	E	3	*	b	2	-	45	32				
	La Hève	?	46	ESE	3	b	?	*	32	-9	ESE	3	*	m	1	-	55	32				
	Brest (St. Mathieu)	10207	55	E	2	c	10158	-1	46	-2	ESE	4	*	b	3	-	57	45				
	Rochefort (Ile d'Als)	10187	48	ESE	3	bc	1017.2	0	34	-16	E	4	*	b	*	-	57	52				
	Biarritz	10170	55	NE	2	o	10140	0	39	-13	E	2	*	c	2	-	59	39				
	Paris	10219	37	NE	2	b	1018.6	-1	28	-9	NNE	2	-	b	*	-	48	28				
	Belfort	10173	32	ESE	7	S	1014.1	*	34	-5	ESE	6	*	c	*	-	46	32				
	Lyons	10155	37	N	3	b	1012.8	*	34	-11	N	4	*	o	*	-	46	33				
	Nice	10007	48	E	3	b	1002.1	+6	38	-13	-	0	*	o	3	39	54	34				
SOUTHERN STATIONS.	Perpignan	10103	54	NW	5	b	1010.3	+1	45	-9	NW	3	-	b	*	-	59	41	Aberdeen 8h Wind at 1200 m S 20 m.p.s 900 " S 20 " 600 " S by W 18 " 300 " S by W 14 " 150 " S by W 10 " Surface " SSW 5 "			
	Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	*	*				
	Corunna	10179	63	NE	4	bc	10107	-2	52	-5	NE	1	-	bc	2	-	64	46				
	Madrid	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	*	*				
	Lisbon	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	*	*				
	Azores (Horta)	10252	*	NNE	6	r	10144	0	64	-2	N	3	*	r	3	3	73	64				
	Madeira	10159	72	NE	3	o	1011.5	*	62	+5	W	3	*	m	3	-	80	56				
	Gibraltar	10125	67	NW	4	b	1011.5	*	62	+5	W	3	*	m	3	-	80	56				
	Malta	*	*	*	*	*	1012.7	+4	66	-4	-	0	-	b	1	-	77	64				
	Limassol	*	*	*	*	*	1021.2	+2	66	0	-	0	-	b	0	-	79	54				
Alexandria	10216	72	NE	2	b	10235	+1	70	-2	-	0	-	b	0	-	82	63					
Cairo (Helwan)	1019.9	72	NNE	3	b	1021.5	+2	68	+2	NE	3	-	b	*	-	81	63					
LONDON OBSERVATIONS.	Humidity.		Sun- shine for Yester- day.	24 HOURS ENDED 9h. TO-DAY.				WEATHER.			SOUTH KENSINGTON.											
	25 h. Yester- day.	9 h. To-day.		Max.	Min.	Min. on Grass.	Rain- fall.	Morn- ing.	After- noon.	Night.	Vertical Component of Solar Radiation per square Centimetre during Yesterday.											
GREENWICH (Royal Observatory)	65	95	0.0	48	29	24	-	0	0	0	b by f	Total. Average Rate. Max. Rate.										
CITY (Bunhill Row)	*	*	0.2	*	*	*	*	*	*	*	*	Joules. Milliwatts. Milliwatts.										
WESTMINSTER (St. James's Park)	67	77	0.1	50	33	32	-	0	0	m	m	318 8.5 20										
CAMDEN SQ. (British Rainfall)	65	96	0.0	50	30	31	-	0	0	*	*	Temperatures at Greenwich and Cam-										
HAMPSTEAD (Reservoir)	*	79	0.6	47	32	19	-	bc bc	bc	bc by f	bc by f	den Square are from Glashier screens.										
S. KENSINGTON (Museum Grounds)	*	72	0.2	49	36	25	-	bc c o	o. c	c. b	c. b											
RICHMOND PARK	*	*	*	*	*	*	*	*	*	*	*											



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay 11

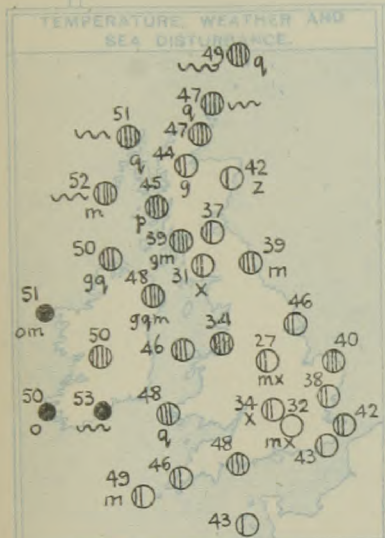
- | | | |
|----|---|------------------------------------------------------------------------------------------------|
| 0 | { | Southerly winds, fresh or strong, moderating later; some showers; mild. |
| 1 | { | Southerly winds, moderate or light; fair generally; moderate temperature. |
| 2 | { | Wind light between South-West and South-East; fair generally; temperature low. |
| 3 | { | |
| 4 | { | East and South-East winds, light; fair generally, mist locally; temperature low. |
| 5 | { | |
| 6 | { | Same as No. 0. |
| 7 | { | Southerly winds, moderate; mostly fair; moderate temperature. |
| 8 | { | South-Easterly and Southerly wind, moderate; fair generally; moderate temperature. |
| 9 | { | Southerly winds, light or moderate; some showers; moderate temperature. |
| 10 | { | |
| 11 | { | South-Easterly and Easterly winds, fresh to moderate; sea moderate or slight; fair, some mist. |

FURTHER OUTLOOK.

SYNOPTIC CHART FOR THE MORNING OF SATURDAY, 21ST OCTOBER, 1916.

GENERAL INFERENCE.

There are no indications of any great 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:—

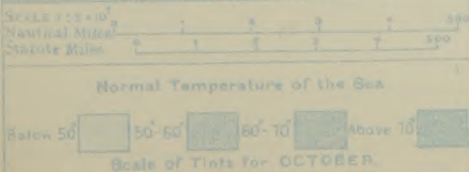
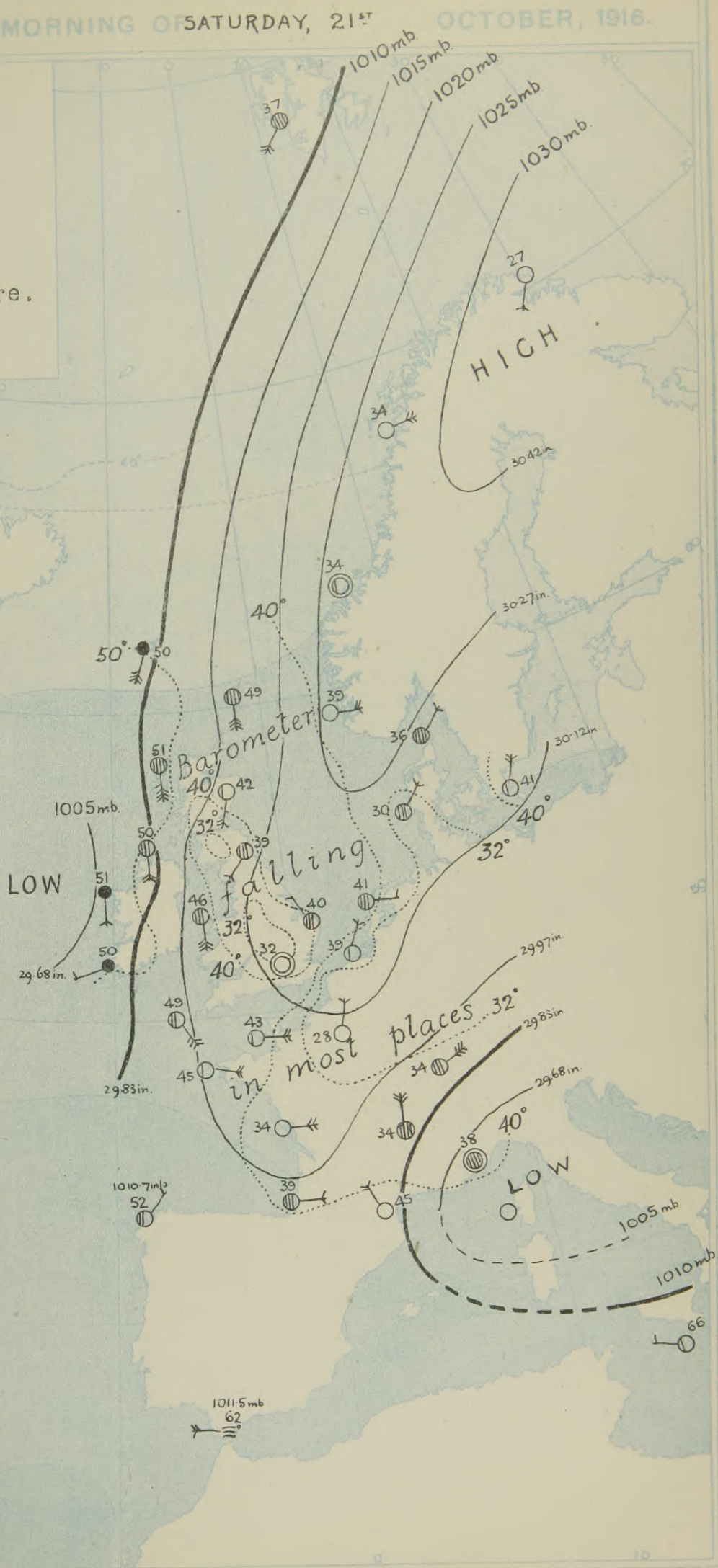
○ clear sky. ○ sky ½ clouded. ○ sky ¾ clouded.

● overcast sky. ● rain falling.

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

⚡, thunderstorm.

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



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.			
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.	Weather.
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1017.2	51	NE	1	b										Isafjord ...	981.2	37	-4	W	9	c
	Gorki ...	1007.8	36	W	3	O.										Reykjavik ...	990.7	37	-13	S	4	bc
	Velieki Luki ...	1013.0	30	SW	3	b		*								Vestmanna ...	996.3	41	-7	WSW	8	b
	Hangö ...	1017.1	32	NNE	2	c										Seydisfjord ...	994.6	45	-1	SW	4	c
	Riga ...	1014.1	34	-	0	S										Thorshavn ...	1008.0	52	+6	SW	7	r
	Petrograd ...	1013.6	36	ENE	2	O.																
	Moscow ...	999.5	36	NNW	3	r																
	Kiev ...																					
	Kharkov ...																					
	Kishinev ...																					
	Elisabetgrad ...																					
	Nicolaiev ...																					
MEDITERRANEAN.	Odessa ...																					
	Tarkhankout...																					
	Soukhoum ...																					
	Venice ...	1010.2	54	-	0	b		1007.1	52	+2	SW	1	b	-	57	50						
	Pesaro ...	1009.9	55	-	0	r		1008.9	52	-5	S	1	O	11	63	48						
	Rome ...	1007.7	59	3	1	bc		1004.7	50	-5	N	1	O	-	64	50						
	Viesti ...	1009.0	57	-	0	b		1006.6	61	+2	-	0	O	-	65	54						
	Brindisi ...	1012.3	59	SEW	1	b		1006.6	64	+7	NE	1	bc	Trace	68	55						
	Cagliari ...	1013.9	63	NW	5	b		1006.2	57	-2	NW	4	O	4	72	48						
	Palermo ...	1014.7	62	ESE	2	b		1008.7	66	0	-	0	b	-	75	59						
	Tripoli ...	1017.5	66	SEE	1	b		1013.7	70	+4	WSW	3	bc	-	74	61						
	Algiers ...	1018.0	66	NE	2	b		1011.5	72	66	SW	4	m	-	73	63						
SWEDEN.	Hernösand ...	1039.9	32	-	0	b		1030.6	27	+4	-	0	b	*	*	*						
	Stockholm ...	1024.4	34	N	3	b		1024.6	34	+2	N	2	b	*	*	*						
	Wisby ...	1021.1	39	NE	6	b		1022.3	37	0	NE	6	O.	*	*	*						

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. 1st-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 1st-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.			
	Mm.	Mm.	F.	F.			Hr.		Mm.	Mm.	° F.	° F.			Hr.		
Scotland.	Oban	-	-	52	47	0	0.	00	England, E.	Lowestoft	-	-	49	45	0 c.	c. b. d.	20
	Banff	-	-	?	42	bc	bc	28		Felixstowe	Trace	-	48	45	c	c bc	08
	Montrose	-	-	51	39	b	b	50		Walton-on-Naze	-	-	47	45	bc	bc	02
	Carnoustie	*	*							Southend-on-Sea	-	-	49	?	0 c	c bc. c. a.	05
	St. Andrews	-	-	52	33	b	bc. c	56									
Eng. N.E.	Harrogate	1	-	52	35	bc. c. bc	bc	38	England, S.E.	Margate	-	-	47	45	c.	b	38
	Skegness	-	-	56	44	bc. og	og	07		Ramsgate	-	-	51	34	0. bc	bc	32
Eng. N.W.	Morecambe	-	-	52	42	bc. c. b	b	67		Hastings	7	-	50	41	op. c	bc. b	20
	Southport	-	-	53	40	bc. c. b	b	57		Eastbourne	-	-	48	42	-	-	07
Midlands.	Leamington Spa	-	-	51	40	b	b bc. c	63		Seaford	*	*	52	39	c	bc	05
	Malvern	-	-	55	43	bc	bc	45		Brighton	-	-	49	43	c	0	34
	Ross-on-Wye	-	-	50	43	b	bc	44		Worthing	-	-	50	42	b	bc	45
Wales.	Rhyl	-	-	55	40	c	bc	68	England, S.W.	Littlehampton	-	-	55	41	b	0	49
	Colwyn Bay	-	-	52	43	bc	bc	40		Bognor	*	*	50	41	bc	bc	51
	Llandudno	-	-	52	41	c. b	bc	44		Bournemouth	-	-	56	38	w. b	b	87
	Aberystwyth	-	-	53	40	0 c	bc. c. 0	36		Weymouth	*	*	58	42	bc. b	b bc. c.	74
	Tenby	-	-	57	44	bc. c	a	00		Torquay	-	-	59	48	b. bc	bc. c	54

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

21 st & 22 nd October 1916.	Sunrise.		Noon.		Sunset.	
	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.20 6.32	11.28 11.38	4.46 4.48			
Greenwich ...	6.35 6.29	11.45 11.45	4.55 4.53			
Wick ...	7.3 7.6	11.67 11.57	4.51 4.48			
Valencia ...	7.17 7.19	4.26 4.26	5.74 5.32			

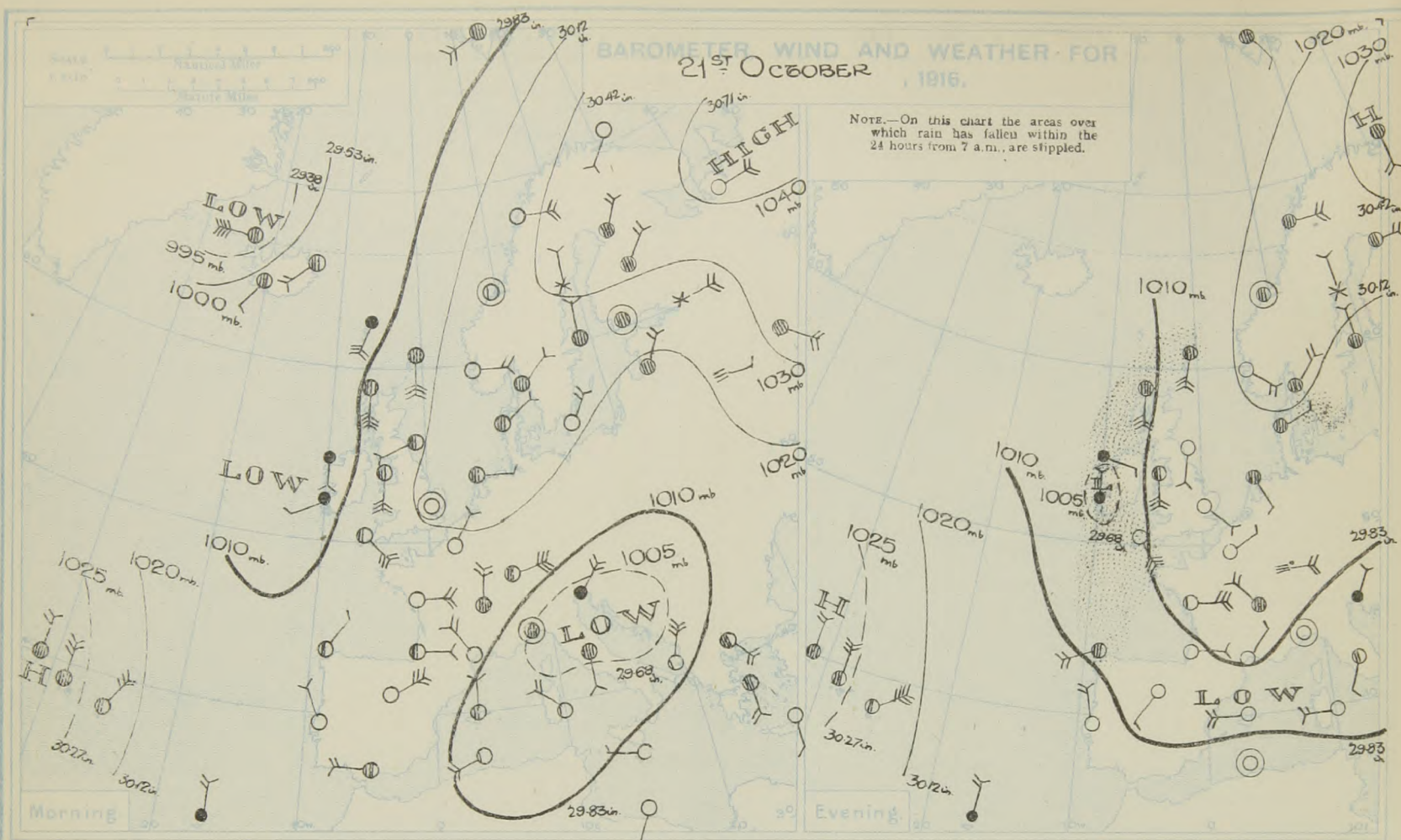
NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 50° in many parts of England, and sharp frost occurred at night in the Midlands and the South-East. Several places in various districts of Great Britain recorded good sunshine records. Rain fell in the West of 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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+ The barometric change is expressed in half millibars



FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

South Cone hoisted at 8h.5m.

Western Channel and Bay 11

FURTHER OUTLOOK.

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

NAPIER SHAW, Director

Wind mainly Southerly, light to moderate; mainly fair; cool.

Wind between South-East and East, increasing in force; fair to-day, then becoming less settled; cold.

Same as Nos. 0 to 2a.

South-Easterly to Easterly winds, fresh or strong; fair to unsettled; rather cold.

South-Easterly to Easterly winds, fresh or strong to a gale; rain at times; temperature rather low.

Wind between East and South, light to fresh or strong, some rain, temperature rather low.

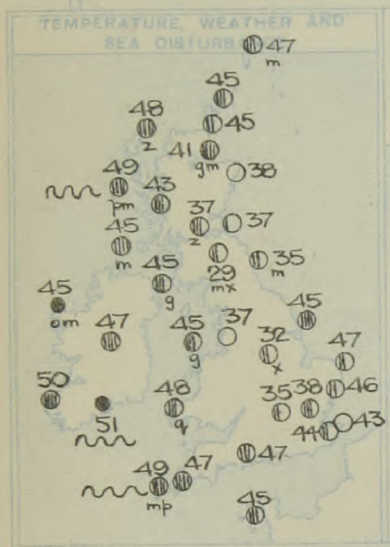
Same as No. 8.

South-Easterly to Easterly winds, strong to a gale; sea rough; rainy.

SYNOPTIC CHART FOR THE MORNING OF *Sunday, 22nd* OCTOBER, 1916.

GENERAL INFERENCE.

The depression in the south-west will probably move in a south-easterly direction, and cause a considerable increase in the wind from the South-East and East in its neighbourhood.



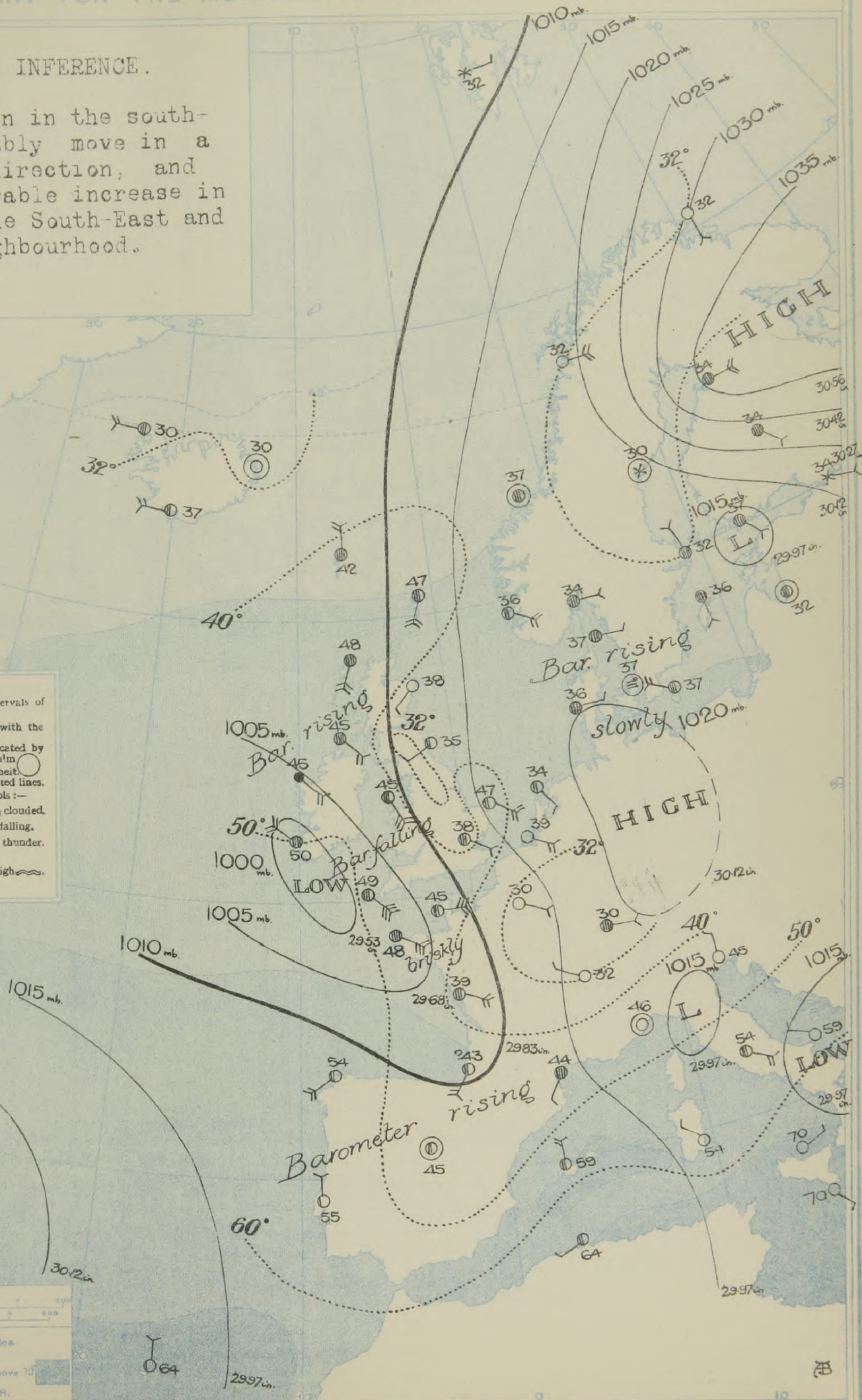
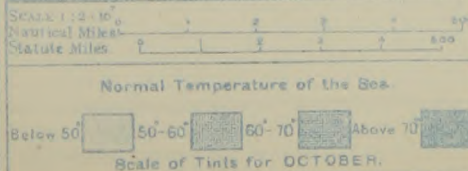
EXPLANATION.

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

Inches
31

30

29



25

28

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.		Barom. Milli- bars at M.S.L.	TEMP.		WIND.	Force 0-12.	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 ...	1031.9	30	ENE	5	0.	.	.	.	.	.	.	.	.	.	.	Isafjord ...	993.0	34	-3	W	8	c
	Gorki ...	1021.1	34	-	0	bc	1021.3	?	39	+7	E	1	f	-	*	28	Reykjavik	1001.2	34	-3	S	2	b
	Velieki Luki ...	1022.0	34	-	0	S	1023.5	*	32	0.	SE	2	o	2	*	32	Vestmanna	1005.2	36	+5	SW	1	c
	Hangö ...						1021.5	-3	34	+6.	NNE	3	o	-	*	28.	Seydisfjord	1002.6	41	-4	SW	3	c
	Riga ...	1021.6	36	-	0	0	1018.9	-3	32	0	-	0	c	-	*	30.	Thorshavn	1007.7	50	-2	SSW	5	r
	Petrograd ...	1021.3	34	E	5	0	1023.3	+1	34	0	E	4	S	4	36	34							
	Moscow ...	1027.8	41	SE	4	r	1031.0	+2	36	+6	SE	4	0	5	*	36.							
	Kiev ...	1022.4	43	NE	2	r	1020.4	+2	41	0.	-	0	0	10	*	36							
	Kharkov ...	1027.1	57	SE	2	m	1026.1	0	37	0	E	2	0	-	*	41							
	Kishinev ...	1015.8	50	NE	3	0	1020.6	?	48	+7	SE	2	c	7	*	41							
	Elisabetgrad ...	1022.0	48	SE	3	0	1021.5	0	43	+6	SE	2	0	-	*	41.							
	Nicolaiev ...	1020.4	54	SSE	3	0	1020.6	*	48	+5	SE	2	c	5	*	41							
	Odessa ...	1019.1	57	SE	4	0	1018.9	0	55	+3	SE	2	0	26	*	54							
	Tarkhankout... Soukhom	1020.4 .	54 .	ESE .	4 .	0 .	1019.8 .	0 .	50 .	0 .	S .	3 .	0 .	* .	* .	46 .							
MEDITERRANEAN.	Venice ...	1004.5	46	NE	4	r	1002.0	*	46	-6	NE	4	r	?	?	43.	British Isles ...				h.	18	
	Pesaro ...	1002.2	46	-	0	r	1004.6	*	46	-6	-	0	r	25	59	31.	France ...				7	18	
	Rome ...	997.3	52	-	0	0	1004.4	*	55	+5	S	2	o	35	63	50.	Norway ...				7	18	
	Viesti ...	999.7	61	SE	4	0	1003.9	*	59	-2	SW	1	b	?	64	57.	Sweden ...				7	17	
	Brindisi ...	1005.3	68	NNE	4	bc	1008.4	*	66	+2	NNE	5	b	48	68	60.	Denmark ...				7	18	
	Cagliari ...	1001.9	68	SW	5	r	1007.6	*	55	-2	NW	3	b	54	68	45.	Holland ...				7	18	
	Palermo ...	1005.4	64	SSE	3	m	1011.3	*	66	0	ENE	1	b	2	75	57.	Italy ...				7	20	
	Tripoli ...	1004.7	68	ESE	2	b	1010.6	*	72	+2	SSW	1	b	-	90	64.	Egypt ...				6	18	
	Algiers ...	1010.9	64	N	2	b	1008.8	0	66	0	WSW	4	b	4	78	61.	Corunna...				7	16	
	SWEDEN.	Hernösand ...	1032.3	30	-	0	b	1030.3	*	30	+3	N	2	S	*	*	*	Madrid ...				8	16
Stockholm ...		1027.7	32	N	2	0	1023.4	*	34	0	N	2	0	*	*	*	Lisbon ...				7	21	
Wisby ...		1024.2	36	NE	4	c	1021.0	*	37	0.	ENE	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	—

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.					Mm.	Mm.	° F.	° F.			
Scotland.	Oban ...	1	47	45	-	-	00	England, E.	Lowestoft ...	-	50	36	bc	bc.c	12
	Banff ...	-	48	40	bc	bc	30		Felixstowe ...	-	-	-	-	-	-
	Montrose ...	-	-	-	-	-	-		Walton-on-Naze ...	-	49	37	bc	bc.b	3.3
	Carnoustie ...	*	*	47	40	b	20		Southend-on-Sea ...	-	52	34	bc.b	b	6.2
	St. Andrews ...	-	-	-	-	-	-								
Eng. N.E.	Harrogate ...	-	45	30	bc.b	bc.b	5.0	England, S.E.	Margate ...	-	49	41	bc.b	b	6.5
	Skegness ...	-	46	27	bc.b	b	6.9		Ramsgate ...	-	50	41	bc	bc	4.6
Eng. N.W.	Morecambe ...	-	-	-	-	-	-		Hastings ...	-	48	37	b	b	8.0
	Southport ...	-	-	-	-	-	-		Eastbourne ...	-	48	37	b	b	6.9
Midlands.	Leamington Spa ...	-	52	29	b	b	8.3		Seaford ...	-	49	33	bc	b	6.6
	Malvern ...	-	-	-	-	-	-		Brighton ...	-	49	35	bc	bc	6.4
	Ross-on-Wye ...	-	48	34	bc	b	6.4		Worthing ...	-	48	35	bc	bc	5.5
Wales.	Rhyl ...	-	-	-	-	-	-	England, S.W.	Littlehampton ...	-	52	34	b	bc	4.9
	Colwyn Bay ...	-	-	-	-	-	-		Bognor ...	-	49	35	bc	bc	5.2
	Llandudno ...	-	-	-	-	-	-		Bournemouth ...	-	51	39	b	b	4.7
	Aberystwyth ...	-	50	39	bc	bc	6.5								
	Tenby ...	-	51	41	b	bc	4.5		Weymouth ...	-	51	46	bc	bc	6.3
									Torquay ...	-	52	42	c	bc	5.1
									Paignton ...	-	52	48	o	bc.c	1.5

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

22 nd 23 rd Oct. 1916.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.32 6.34	11.38 11.37	4.43 4.40
Greenwich ...	6.38 6.39	11.45 11.44	4.52 4.49
Wick ...	7.6 7.8	11.67 11.56	4.49 4.46
Valencia ...	7.19 7.21	12.26 12.25	5.22 5.19

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.	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-baze, or smoke.

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 237

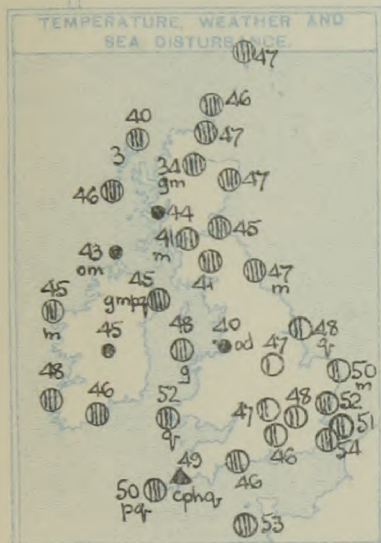
Monday
23rd October

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 0-3.	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	1011.4	47	SSW	4	C	1012.8	0	47	0	SSW	4	-	C	4	1	47	45	bc	bc	op	*
	Deerness (Orkney)	1011.8	47	S	4	O	1011.5	*	46	+1	SSE	4	-	O	4	-	49	44	c.	c.	o	3.0
	Stornoway	1011.5	47	WSW	2	O	1009.1	-2	40	-8	-	0	-	CZ	0	0.2	48	40	op.	o	oc.	0.0
	Castlebay (Barra Isd.)	1011.7	49	SE	3	O	1008.8	-2	46	-3	NW	3	-	O	3	0.3	50	46	opm	om	oc.	0.0
	Glasgow	1012.2	42	NE	2	OZ	1007.4	-5	41	+1	E.NE	3	-	om	*	1	45	35	bc.	bc.	oc.	2.8
	Esksdalemuir	1012.4	40	ENE	3	O	1007.5	-4	41	+12	NE	2	-	O	*	1	45	29	bc.	bc.	oc.	3.8
	Malin Head	1009.4	45	SE	3	om	1005.6	-2	43	-2	NE	3	-	omr	3	2	48	42	om	om	omr	0.0
	Blacksod Point	1007.5	43	ENE	3	omr	1004.9	-2	45	0	ENE	3	E	om	3	7	46	42	omr	omr	omr	*
	Valencia	1002.8	47	NNE	4	Dr	1004.7	0	48	-2	NNW	4	NW	C	3	9	51	44	oc.	oc.	oc.	0.0
	Roche's Point	999.8	45	NE	4	r	1001.1	*	46	-5	NW	5	-	O	4	19	51	44	rm	rm	orom	*
	Birr Castle	1004.9	45	E	1	O	1002.0	*	45	-2	NW	1	-	r	*	3	47	43	od.	o	or	0.0
	Donaghadee	1008.6	47	SE	5	ogm	1004.0	-4	45	0	E	5	-	ogm	4	1	48	44	ogm	ogm	ogm	*
	Liverpool (Bidston)	1008.7	40	E	4	O	1003.9	-3	40	+3	ESE	3	-	od	3	2	45	37	em.	o	or	0.3
	Holyhead	1006.1	46	E	6	om.	1001.8	-1	48	+3	E	5	S	cg	4	1	49	43	ocm.	om.	op.	0.0
	Pembroke (St. Ann's)	999.3	50	E	7	ogp	1001.3	+1	52	+4	SSW	6	SW	cg	6	6	54	45	cg	ogp	cg	0.0
	Scilly (St. Mary's)	1000.2	52	W	6	cg	1005.8	+2	50	+1	W	5	W	cg	7	12	54	48	omr	cg	cg	0.5
	Falmouth	1002.1	51	SW	6	bc	1005.4	+2	49	+2	SW	5	-	cg	4	19	54	47	orog	cg	cg	0.4
	Jersey (St. Aubin)	1007.0	53	SSE	5	O	1013.2	*	53	+8	S	4	S	c	4	2	54	44	c	oc	op.	2.0
	Portland Bill	1005.0	53	SSE	6	cu	1009.4	+2	56	+9	SSW	6	SW	c	6	2	56	51	c	oc	or	*
	Dungeness	1002.9	47	ESE	4	bc	1013.3	+2	54	+10	SW	5	SW	c	5	0.1	47	44	c.	bc	map.	*
	Dover	1010.7	46	SSE	4	b	1014.8	+2	51	+8	S	5	S	bc	6	10	54	43	bc	bc	bc	7.2
NORTHERN EUROPE.	Wick	1011.8	47	WSW	2	O	1011.3	-2	47	+2	SE	3	-	O	3	Trace	49	44	bc	bc	bc	*
	Nairn	1011.6	39	-	0	bc	1009.3	*	34	-7	-	0	-	omg	0	0.1	49	32	cg	em	bc	0.6
	Aberdeen	1014.1	46	S	2	O	1011.0	-1	47	+9	SE	4	-	O	4	3	49	38	bc	bc	or	5.2
	Leith	1012.6	44	SE	1	bc	1008.1	-2	45	+8	ESE	1	-	O	2	0.2	48	36	bc	bc	bc	*
	Tynemouth	1012.8	48	SSW	4	om.	1008.1	-2	47	+12	SSE	3	-	om.	4	1	48	34	f	com	omr	*
	Spurn Head	1012.1	49	S	5	O	1010.1	0	48	+3	SSE	5	-	bc	5	1	50	45	bc	ca	oc	3.3
	Yarmouth	1013.9	48	S	6	bc	1013.5	+2	50	+3	SW	2	-	bc	3	-	51	47	bc	bc	c.	6.3
	Clacton-on-Sea	1012.2	48	SE	5	C	1013.3	0	52	+6	S	3	S	c	3	-	52	45	bc	bc	c.	6.9
	Nottingham	1010.6	43	SE	3	O	1008.6	*	47	+15	S	4	S	c	1	1	47	31	bc	oc	op.	3.0
	Benson (Oxon.)	1008.5	44	ESE	5	O	1010.4	+1	47	+12	SSE	5	SW	bc	*	1	47	36	O	O	or.	*
FRANCE, &c.	Sth Farnborough	1008.9	45	ESE	3	O	1011.0	+1	46	+15	S	3	SW	bc	19	50	31	oc	oc	oc	1.3	
	London (Kew Obsy.)	1010.3	45	ESE	3	om.	1012.0	+1	48	+13	SSW	2	S	bc	0.4	49	35	om.	om.	om.	1.6	
	Spitsbergen	1007.1	30	SSE	1	O	1004.3	-1	25	-7	NNW	2	*	O	*	32	23	UPPER AIR.				
	Vardö	1018.1	36	-	0	O	1010.6	-5	36	+8	W	1	-	O	2	*	36	25	South Farnborough.			
	Bodö	1016.3	36	E	2	b	1004.9	-4	28	-4	E	6	-	r	2	-	34	28	Pilot Balloon Ascent at 7.12h			
	Christiansund	1016.3	41	-	0	O	1016.3	0	45	+8	-	0	-	O	2	-	41	37	1200 metres. SW. 18. mps			
	Skudesnaes	1019.5	43	SE	5	O	1019.7	0	43	+7	ESE	6	-	O	3	-	43	36	900 " " SW. 17. "			
	Færder (Xtania Fjord)	1022.3	36	-	0	b	1025.2	+1	34	0	N	3	W	c	1	-	37	34	500 " " SW. 16. "			
	The Scaw (Skagen)	1022.6	41	S	1	c	1024.7	+1	45	+8	SE	2	-	O	2	-	45	37	300 " " SSW. 16. "			
	Blaavands Huk	1021.5	43	S	2	bc	1020.7	-2	37	+1	SE	3	-	C	3	-	46	34	Surface " " SW. 7. "			
SOUTHERN STATIONS.	Copenhagen	1023.8	39	-	0	O	1026.7	+1	43	+6	SW	3	-	b	*	-	43	37	South Farnborough: @ 7.53h			
	Bornholm	1023.7	41	NW	2	O	1028.7	+2	41	+4	SE	2	-	m	0	Trace	43	37	900 metres. SW. 13. mps			
	The Helder	1017.5	43	SE	3	b	1016.7	+1	36	+2	S	2	SW	b	1	-	46	34	600 " " SW. 16. "			
	C. Gris Nez	?	43	SE	5	bc	?	*	46	+3	SE	3	*	bc	2	-	52	43	300 " " SSW 11. "			
	La Hève	?	43	SE	5	bc	?	*	46	+3	SE	3	*	bc	2	-	52	43	Surface " " SW. 10. "			
	Brest (St. Mathieu)	1013.3	55	WSW	3	C	1015.8	0	51	+12	SSE	3	*	O	*	-	59	39	GALES			
	Roche fort (Ile d'Aix)	1013.3	55	WSW	3	C	1015.8	0	51	+12	SSE	3	*	O	*	-	59	39	Duration and Extreme Force			
	Biarritz	1013.3	55	WSW	3	C	1015.8	0	51	+12	SSE	3	*	O	*	-	59	39	in British Islands.			
	Paris	1019.4	37	E	6	b	1023.4	*	37	+7	E	2	*	C	*	-	46	30	Scilly: 22nd Oct. 1916			
	Belfort	1015.7	54	S	1	b	1019.1	*	45	+13	SSE	1	*	O	*	-	57	32	W. 8. 22h - 24h			
SOUTHERN STATIONS.	Lyons	1021.0	48	E	1	b	1021.1	0	52	+6	E	3	*	C	3	-	57	43	W. 9 @ 23h			
	Nice	1017.7	52	W	2	O	1016.0	-1	52	+8	W	1	SE	r	10	55	44	W. 8. 22h - 24h				
	Perpignan	1017.7	52	W	2	O	1016.0	-1	52	+8	W	1	SE	r	10	55	44	W. 9 @ 23h				
	Sanguinaire	1017.7	56	E	1	b	1016.0	-1	52	+8	W	1	SE	r	10	55	44	W. 8. 22h - 24h				
	Corunna	1015.9	57	W	3	bc	1015.8	+1	52	-2	NE	2	S	C	3	Trace	61	48	W. 8. 22h - 24h			
	Madrid	1012.0	61	SSW	2	O	1017.3	+3	48	+3	-	0	SW	b	*	61	46	W. 9 @ 23h				
	Lisbon	1016.2	61	WNW	2	b	1017.7	0	55	0	-	0	-	bc	6	-	64	55	W. 8. 22h - 24h			
	Azores (Horta)	1017.6	*	W	7	r	1019.8	+2	63	+6	N	4	*	O	2	1	66	57	W. 8. 22h - 24h			
	Madeira	1017.1	72	N	2	O	1019.3	0	63	-1	N	2	-	b	2	6	72	63	W. 8. 22h - 24h			
	Gibraltar	1017.3	61	W	4	b	1018.6	0	61	-2	NW	4	*	bc	3	17	63	60	W. 8. 22h - 24h			
SOUTHERN STATIONS.	Malta	*	*	*	*	*	1020.0	0	72	+2	ESE	2	-	f	1	-	81	70	W. 8. 22h - 24h			
	Limassol	*	*	*	*	*	1017.1	0	72	+2	-	0	-	b	0	-	84	54	W. 8. 22h - 24h			
	Alexandria	1023.1	72	NNW	3	b	1021.0	0	73	+1	N	4	-	b	3	-	79	70	W. 8. 22h - 24h			
	Cairo (Helwan)	1021.1	72	NNE	4	b	1019.2	0	67	-4	N	2	-	f	*	-	86	61	W. 8. 22h - 24h			
LONDON OBSERVATIONS.		HUMIDITY.		Sun- shine for Yester- day.		24 HOURS ENDED 9h. 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.																
GREENWICH (Royal Observatory)		73	79	3.5	53	43	33	0.3	C.	O	or.											
CITY (Bunhill Row)		*	*	1.7	*	*	*	*	*	*	*											
WESTMINSTER (St. James's Park)		73	79	1.5	55	43	39	-	bc	oc	em.											
CAMDEN SQ. (British Rainfall)		-	80	1.3	53	40	39	0.3	-	-	*											
HAMPSTEAD (Reservoir)		*	80	1.5	52	42</																

SYNOPTIC CHART FOR THE MORNING OF MONDAY, 23RD OCTOBER, 1916.

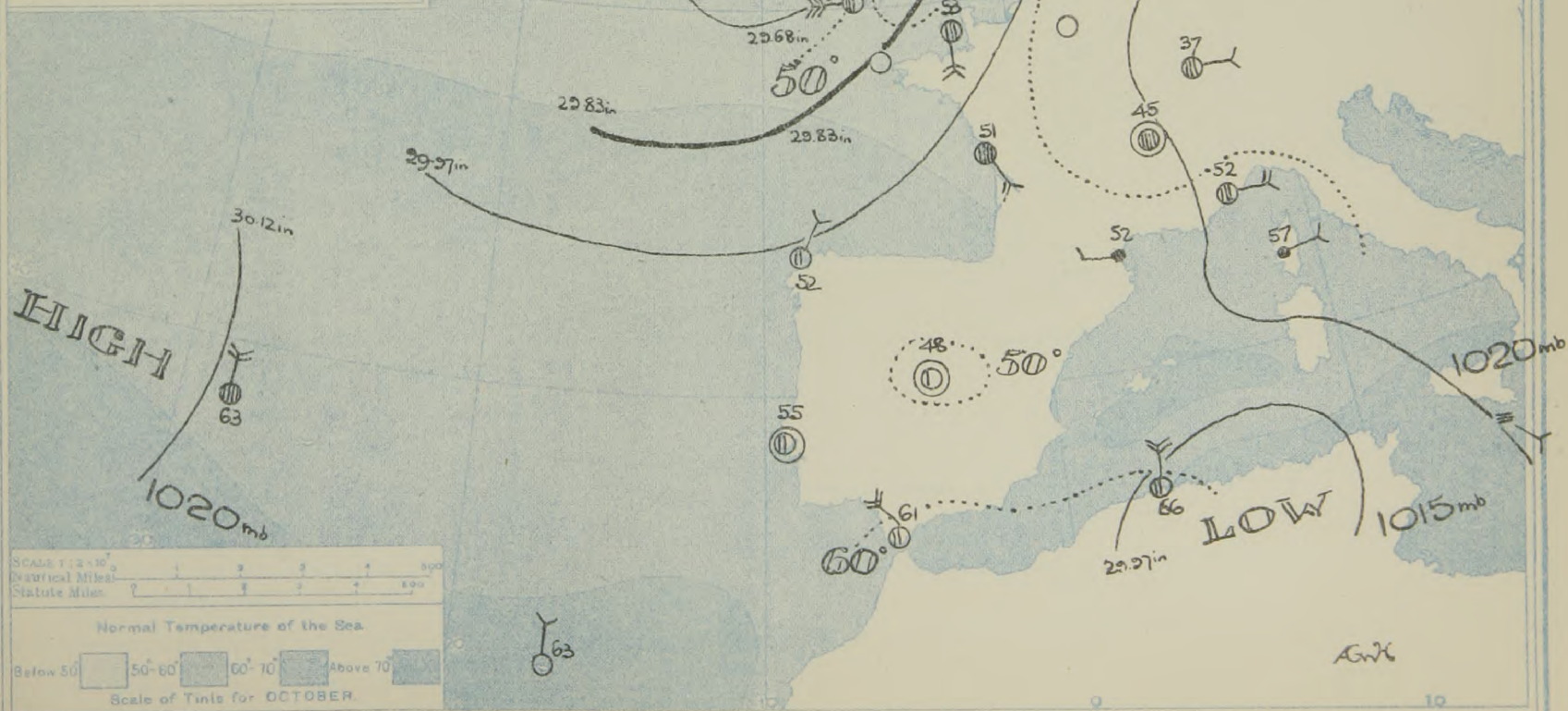
GENERAL INFERENCE.

The present changes in pressure appear to indicate that the depression will move northward.



EXPLANATION.

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



REPORTS FOR YESTERDAY.

RUSSIA 7 a.m. and 9 p.m. Local Time.	STATIONS.	PREVIOUS EVENING.				MORNING.				PAST 24 HOURS.				MORNING.								
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Rain fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours. °F.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb. °F.	Change in 24 hours. °F.	Dirac.	Force 0-12.	Weather.
	Archangel ...	1014.9	30	SE	5	b	1027.3	+3	34	+9	SE	6	o	-	25	Isafjord ...	1005.7	30	-4	W	3	c
	Gorki ...	1019.5	37	E	3	o	-	-	-	-	-	-	-	-	-	Reykjavik ...	1007.5	34	o	-	o	c
	Velieki Luki ...	1022.7	41	SE	2	r	-	-	-	-	-	-	-	-	-	Vestmanna ...	1008.3	37	+11	W	3	bc
	Hangö ...	1017.7	34	-	o	o	1014.0	0	37	+3	SSE	2	o	2	32	Seydisfjord ...	1009.6	30	-11	-	o	b
	Riga ...	1019.4	36	SSW	2	o	1018.4	0	32	o	-	o	c	-	32	Thorshavn ...	1008.7	42	-8	N	3	o
	Petrograd ...	1025.9	30	SE	4	o	1021.3	-4	34	o	ESE	2	3	3	34							
	Moscow ...	1033.2	41	SSE	4	o	1030.9	+3	41	+8	ESE	4	o	-	36							
	Kiev ...	1017.0	48	SE	5	r	1016.2	-2	54	-	SSE	3	o	15	108							
	Kharkov ...	1026.9	28	SE	3	o	1026.3	0	43	-	SE	3	bc	-	43							
	Kishinev ...	1012.8	57	SSE	3	o	1019.4	+2	57	-	SSE	2	o	14	57							
	Elisabetgrad ...	1019.7	55	SE	4	o	1019.7	-1	52	-	SE	3	b	1	50							
	Nicolaiev ...	1019.5	57	SSE	4	b	1019.3	-	54	-	SSE	3	b	3	57							
	Odessa ...	1018.0	59	SSW	4	b	1017.5	0	59	-	SSW	3	bc	2	57							
	Tarkhankout ...	1022.7	61	SSE	5	b	1020.7	-	59	-	SSE	4	b	-	59							
	Soukhom ...																					
MEDITERRANEAN.	Venice ...	1007.3	46	NNE	2	r	1015.9	-	45	-1	NNW	1	b	16	48	43						
	Pesaro ...	1009.4	48	-	o	c	1016.1	-	43	-9	SW	1	b	1	63	43						
	Rome ...	1010.8	55	SW	1	b	1016.7	-	54	-1	-	o	c	1	61	50						
	Viesti ...	1008.9	64	SE	2	o	1012.4	-	59	o	NW	1	b	-	66	57						
	Brindisi ...	1006.6	66	NW	5	c	1014.2	-	57	-9	-	o	b	-	64	50						
	Cagliari ...	1005.7	64	W	3	b	1016.2	-	54	-1	NW	1	b	-	76	45						
	Palermo ...	1012.7	64	-	o	bc	1017.5	-	70	+4	NNE	1	b	-	75	59						
	Tripoli ...	1014.6	68	-	o	o	1018.2	-	73	+1	SSE	0	b	-	7	7						
	Algiers ...	1012.4	58	-	o	b	1013.5	+2	64	-2	WSW	1	bc	-	75	61						
SWEDEN.	Hernösand ...	1022.8	32	N	2	S	1018.9	-	30	o	-	o	S	-	-	-						
	Stockholm ...	1018.0	34	N	2	o	1018.9	-	32	-2	NNW	2	o	-	-	-						
	Wisby ...	1017.9	36	NE	4	bc	1018.4	-	36	-1	3	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.	Day.	Max.	Min.	Forenoon.	Afternoon.			Night.	Day.	Max.	Min.	Forenoon.	Afternoon.			
	10h-11h.	11h-12h.							10h-11h.	11h-12h.							
Scotland.	Oban	-	-	46	43	c	o	0.0	England, E.	Lowestoft	-	-	48	38	bc	bc	6.0
	Banff	-	-	48	34	bc	bc	5.1		Felixstowe	-	-	48	38	bc	bc	6.0
	Montrose	-	-	48	36	b	bc	6.0		Walton-on-Naze	-	-	48	41	b, bc	bc, c	5.2
	Carnoustie	*	*							Southend-on-Sea	-	-	48	41	b, bc	bc, c	5.2
	St. Andrews	-	-														
Eng. N.E.	Harrogate	-	-	45	28	c, bc, c	c, o	1.7	England, S.E.	Margate	-	-	50	41	bc	bc, c	5.9
	Skegness	-	-	50	44	og, bc	bc, r	4.1		Ramsgate	-	-	50	41	bc	bc, c	5.9
Eng. N.W.	Morecambe	-	-							Hastings	-	-	49	43	bc	b, bc	3.9
	Southport	-	-	47	35	o, bc	o	1.3		Eastbourne	-	-	50	44			2.8
										Seaford	-	-					
										Brighton	-	-					
										Worthing	-	-	50	39	bc	c	0.0
								Littlehampton		-	-	51	41	bc	o	1.3	
								Bognor		-	-	51	40	bc, o	or	1.4	
								Bournemouth		-	-	51	42	o	o	0.1	
Midlands.	Leamington Spa	-	0.1	45	30	b, bc	op	0.9	England, S.W.	Weymouth	-	-					
	Malvern	-	-							Torquay	-	3	55	47	op	op	0.0
	Ross-on-Wye	-	-							Paignton	-	-					
Wales.	Rhyl	-	-	45	35	o	o	0.3		Penzance	-	-					
	Colwyn Bay	-	*	45	39	bc	o, c	0.1		Newquay	-	2	54	45	rg	c	0.4
	Llandudno	-	*	46	39	o	o	0.1	Bude	-	2	53	43	o	op	0.5	
	Aberystwyth	-	-						Ilfracombe	-	-						
	Tenby	-	-	47	40	o, c	c, 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.

	Sunrise.	Noon.	Sunset.
22nd Oct. (Wed), 1916.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	5.31 5.26	11.37 11.27	4.40 4.38
Greenwich ...	5.39 5.41	11.44 11.44	4.49 4.47
Wick ...	7.8 7.10	11.56 11.56	4.45 4.42
Valencia ...	7.21 7.23	12.23 12.25	5.26 5.28

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 50° in several places. Rain fell in most parts of the Kingdom. Little bright sunshine was recorded, except locally in the north-east, east and south-east.

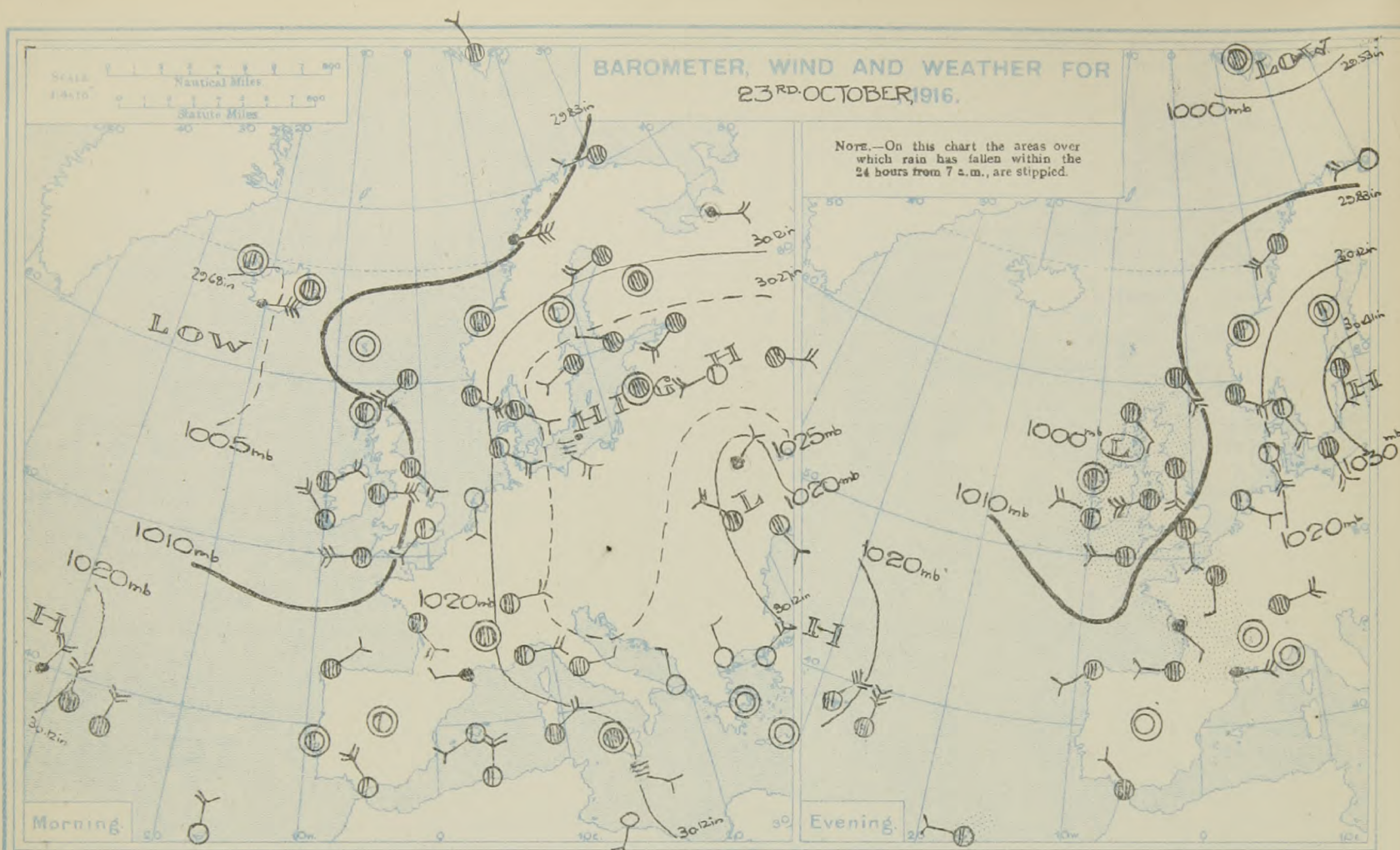
NOTE.—The information relating to weather is indicated by the following letters:—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; i, lightning; m, mist; o, overcast sky; p, passing showers; q, squalls; r, rain; 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, 1916. No. 298

Tuesday
24th October

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. °F.	Change in 24 hours.	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 ...	1009.1	48	SSE	4	999.3	-1	50	+3	S	4	op	4	31	50	46	bc	co	r	0	
	Deerness (Orkney) ...	1003.0	48	SE	6	999.3	*	48	+2	S	4	o	4	9	52	46	ou	oru	ro	0.0	
	Stornoway ...	1002.3	46	SE	1	996.6	-1	46	+6	SSW	4	o	4	1	49	40	c bz	bc oz	bc op	0.2	
	Castlebay (Barralsd.) ...	1002.3	48	E	2	997.2	-1	50	+4	S	6	o	5	2	50	45	op	op dp	dp op	0.0	
	Glasgow ...	1002.1	45	E	1	1002.6	+1	41	0	S	2	sw	bm	2	49	40	omp bc	omdp	op bc p	0.8	
	Eskdalemuir ...	1003.1	45	SSE	2	1004.3	+1	42	+1	S	2	s	o	12	47	40	oromd	orm	oroco	0.0	
	Malin Head ...	1001.7	45	W	2	998.8	0	43	0	SSW	5	s	cmg	4	46	41	orm	orm	cmg	0.0	
	Blacksod Point ...	1003.3	45	.	0	993.9	-6	49	+4	SSE	6	s	cg	5	49	43	cg m	emp	bc op	0	
	Valencia ...	1005.7	50	WNW	3	996.8	-7	51	+3	SSE	4	sw	c	3	52	44	coz	o cp	bc o	0.5	
	Roche's Point ...	1006.3	50	W	1	1001.4	*	51	+5	SW	3	sw	bc	3	51	44	d.co	og	o b bc	0	
	Birr Castle ...	1004.4	45	WSW	1	1000.4	*	40	-5	S	1	s	c	1	46	38	ad	o	c	0.0	
	Donaghadee ...	1001.2	48	SSW	2	1002.2	-1	44	-1	SSW	3	sw	cm	2	54	40	cm	ogmp.	bomp	0	
	Liverpool (Bidston) ...	1004.6	50	SSE	3	1005.6	-1	44	+4	SSE	1	.	b	2	52	40	cp	o.a	bc	0.6	
	Holyhead ...	1002.6	52	WSW	5	1003.8	-2	48	0	SSE	3	sw	cg	2	53	47	op op	op op	op bc	0.0	
	Pembroke (St. Ann's) ...	1006.4	52	SW	4	1004.9	-1	52	0	SSW	3	sw	bc	2	52	49	cg	cg p	op bc	0.3	
	Scilly (St. Mary's) ...	1003.5	52	W	3	1005.8	-3	50	0	SSW	2	sw	bc vp	4	53	48	cg p	cg	c bc vp	0.4	
	Falmouth ...	1009.1	50	SSW	2	1005.9	-2	45	-4	SW	2	.	bw	8	56	44	pg bc	op bc.	c bc bc	2.1	
	Jersey (St. Aubin) ...	1011.4	56	S	3	1008.2	*	51	-2	S	3	s	c	3	Trace	60	49	bc c	bc	bc op c	5.8
	Portland Bill ...	1010.1	56	SW	5	1007.2	-2	54	-2	SW	2	sw	bc	3	.	57	54	bc q	bc	bc b	0
	Dungeness ...	1013.2	54	SW	4	1009.3	-2	52	-2	SSE	1	s	c	1	51	58	51	bc	bc	bc op c	0
	Dover ...	1013.7	52	S	4	1009.0	-4	51	0	.	0	.	m	3	52	56	50	bc b	b bc	bc coe	7.0
NORTHERN EUROPE.	Wick ...	1002.9	48	SE	2	999.4	0	48	+1	S	4	.	o	3	5	49	43	omp g	onc	bom bo	0
	Nairn ...	1002.7	44	.	0	999.3	*	42	+8	.	0	.	cg	1	0.3	47	34	oe	oe	gc gw	0.1
	Aberdeen ...	1003.8	47	S	2	1002.5	+1	48	+1	SSW	3	.	c	4	10	50	45	og p	og mr	onc	0.1
	Leith ...	1002.9	48	E	1	1002.9	+1	45	-2	.	0	sw	c	1	2	50	42	op co	ad mo	umoe	0
	Tynemouth ...	1004.9	52	S	4	1005.4	0	45	-2	S	2	s	bom	3	Trace	53	44	cmp	omq p.	bom	0
	Spurn Head ...	1009.4	54	S	5	1008.3	-1	47	-1	S	3	.	f	1	.	56	43	cg	bc q	bom f	5.8
	Yarmouth ...	1012.7	54	S	5	1009.5	-3	50	0	SW	2	.	cm	2	.	58	48	bc m	bc q c	omtom	5.2
	Clacton-on-Sea ...	1013.3	53	SSE	3	1009.3	?	52	0	S	2	.	c	2	.	57	51	c bc	bc c	c gc c	4.7
	Nottingham ...	1008.7	51	S	3	1008.0	*	40	-7	SSW	1	.	b	0.4	58	40	b	bc p	bc c	6.4	
	Benson (Oxon.) ...	1010.5	49	S	3	1008.6	-1	36	-11	.	0	.	mw	3	56	36	ll q h	yp bc	cf w	0	
FRANCE, &c.	Sth Farnborough ...	1011.3	50	SSE	1	1008.2	-2	42	-4	SE	2	.	cf	4	58	40	c oc	cf b	og cm	5.9	
	London (Kew Obsy.) ...	1011.8	52	S	2	1008.5	-2	45	-3	.	0	s	cf	2	58	45	bc op ab	c bc bc	bc om	4.9	
	Spitsbergen ...	997.9	25	.	0	1003.8	+8	23	-2	.	0	*	o	*	27	21	UPPER AIR. South Farnborough. Pilot Balloon Ascent at 11.15 a.m.				
	Vardö ...	1005.3	27	W	3	1004.3	+3	32	-4	W	4	NE	b	3	*	36	27				
	Bodö ...	1013.7	39	SW	5	1017.3	+2	39	+11	S	1	.	c	1	?	39	27				
	Christiansund ...	1018.3	43	.	0	1015.3	-1	43	-2	ESE	2	.	b	2	.	48	39				
	Skudesnaes ...	1017.0	46	ESE	7	1013.3	-1	46	+3	ESE	6	.	o	4	.	46	43				
	Færder (Xtania Fjord) ...	1024.7	45	SE	6	1022.9	0	41	+7	SE	6	.	o	3	.	45	34	1,800 metres. S. 7 mps.			
	The Scaw (Skagen) ...	1023.0	50	SSE	4	1020.6	-1	45	0	SE	4	.	o	4	.	48	41	1,500 " SW. 4 "			
	Blaavands Huk ...	1019.9	45	SSE	4	1015.5	-2	39	+2	SE	3	.	o	3	.	45	36	1,200 " S 3 "			
SOUTHERN STATIONS.	Copenhagen ...	1025.2	45	SSE	4	1020.8	-2	43	0	SE	6	.	c	*	.	46	41	900 " SE 3 "			
	Bornholm ...	1028.0	43	SSE	3	1023.4	-2	41	0	SE	5	.	bc	2	.	46	36	600 " SE 3 "			
	The Helder ...	1016.3	46	SE	2	1010.4	-3	46	+10	E	2	.	c	1	.	52	36	300 " SE 5 "			
	C. Gris Nez ...	1014.1	50	S	3	1008.4	-2	49	.	.	0	*	o	1	2	59	48	Surface SEE 3 "			
	La Hève ...	?	54	SSE	3	1012.0	*	48	+2	SE	1	*	m	1	.	57	46				
	Brest (St. Mathieu) ...	1011.7	55	SSW	3	1007.9	-2	50	.	ESE	3	*	bc	2	Trace	57	45				
	Rochefort (Ile d'Aix) ...	1012.2	50	SE	1	1010.0	0	52	+1	WSW	1	*	o	*	54	50					
	Biarritz ...	1011.8	57	W	2	1011.0	0	55	.	SSW	3	*	o	3	3	63	54				
	Paris ...	1014.0	52	S	1	1008.6	-2	50	.	SE	2	.	o	*	3	55	43	GALES Duration and Extreme Force in British Islands.			
	Belfort ...	1017.1	45	E	4	1013.9	*	40	+3	E	2	*	m	*	.	50	37				
SOUTHERN STATIONS.	Lyons ...	1016.2	46	.	0	1013.1	*	46	+1	.	0	*	r	*	6	55	45				
	Nice ...	1016.0	51	E	4	1012.8	0	50	-2	.	0	*	r	4	9	57	45				
	Perpignan ...	1012.6	57	E	3	1012.3	+2	54	+2	.	0	.	c	*	41	57	50				
	Sanguinaire ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
	Corunna ...	1013.5	55	WSW	2	1010.3	-3	54	+2	S	3	.	o	4	?	57	48				
	Madrid ...	1014.1	55	WSW	1	1016.6	+2	45	-3	.	0	.	o	*	.	57	41				
	Lisbon ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Azores (Horta) ...	1020.3	*	NNE	5	...	...	...	...	...	...	...	...	...	...	...
	Madeira ...	1018.0	70	W	2	1013.5	-3	66	+3	W	3	.	b	3	7	72	66				
	Gibraltar ...	1017.3	57	NW	2	1015.2	*	58	-3	SW	3	*	o	1	28	66	55				
LONDON OBSERVATIONS.	Malta ...	*	*	*	*	1016.0	0	72	0	E	3	.	o	1	.	73	70				
	Limassol ...	*	*	*	*	1016.4	+3	72	0	.	0	.	b	0	.	86	55				
	Alexandria ...	1019.5	73	NE	3	1019.1	0	72	-1	NNE	3	N	c	2	.	81	70				
	Cairo (Helwan) ...	1017.7	73	N	4	1018.7	+2	68	+4	N	1	.	b	*	.	84	63				
	GREENWICH (Royal Observatory)	74	96	6.2	60	44	30	.	c. bc.	c. o.	o. op.	Vertical Component of Solar Radiation per square Centimetre during Yesterday.									
	CITY (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	*	Total.				Average Rate.					
	WESTMINSTER (St. James's Park)	80	92	5.0	61	47	44	1	bc. o	o	r. m.	Joules.				Milliwatts.					
	CAMDEN SQ. (British Rainfall) ...	60	97	4.7	61	45	41	1	b	bc.	o. of.	696				19.0					
	HAMPSTEAD (Reservoir) ...	*	97	4.1	58	45	30	0.3	bc	bc.	o. of.					41.5					
	S. KENSINGTON (Museum Grounds)	*	90	5.0	59	46	37	1	bc bc p	bc c	o. om.										
	RICHMOND PARK ...	*	*	*	*	*	*	*	*	*	*										



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.

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

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

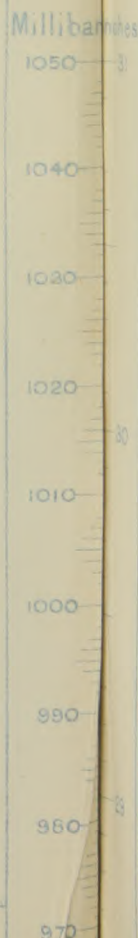
South Cone hoisted today at 10.15 a.m. in Dist. 0, & 6 to 10

Western Channel and Bay 11

FURTHER OUTLOOK.

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

- | | | | |
|----|---|---|-------------------------------------------------------------------------------------------------------|
| 0 | a | } | Southerly winds, increasing to fresh or strong later; unsettled, showery, some rain later; mild. |
| 1 | b | | |
| 2 | a | } | Light or moderate winds from South-East or South, freshening later; changeable, showery; rather mild. |
| 3 | b | | |
| 4 | a | } | Southerly winds, increasing to gale force; fair, showery, then some rain; mild. |
| 5 | b | | |
| 6 | a | } | Moderate South-Westerly winds, freshening decidedly; sea becoming rough; fair at first, rain later. |
| 7 | b | | |
| 8 | a | } | |
| 9 | b | | |
| 10 | a | } | |
| 11 | b | | |

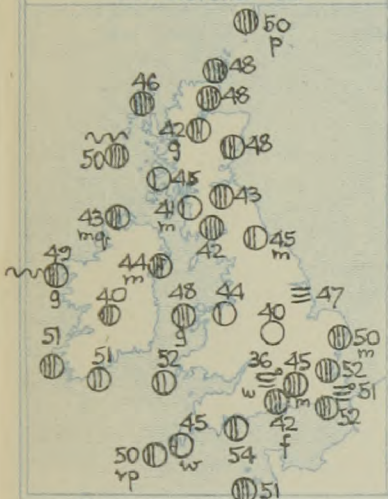


SYNOPTIC CHART FOR THE MORNING OF TUESDAY, 24TH OCTOBER, 1916.

GENERAL INFERENCE.

A new depression, which is approaching Ireland will cause increasing Southerly winds over the country.

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.

⚡, thunderstorm.

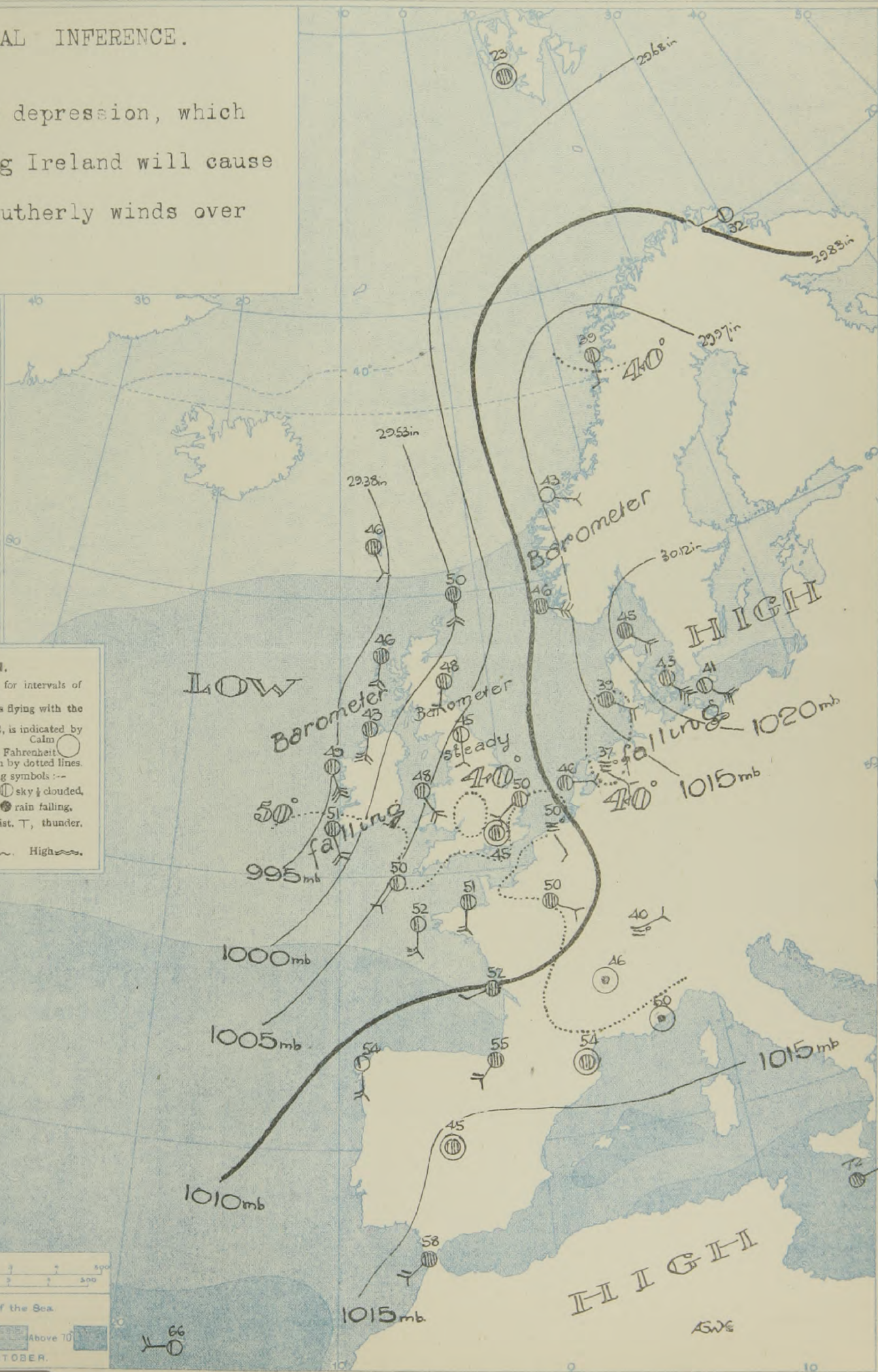
SEA DISTURBANCE.—Rough High

SCALE 1:250,000
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

Below 50 50-60 60-70 Above 70

Scale of Tints for OCTOBER.



REPORTS FOR YESTERDAY.

RUSSIA 7 a.m. and 9 p.m. Local Time.	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.						
	Archangel ...	1024.7	39	SE	5	r		1017.5	-3	43	+9	SE	3	r	20	*	34	Isafjord ...	1008.3	27	-3	-	0	c	
	Gorki ...	1019.8	50	S	1	f		1020.8	*	42	.	N	5	r	16	*	39	Reykjavik ...	1003.1	36	+2	E	5	r	
	Velieki Luki ...	.	.	.	.	.		1027.1	*	32	.	W	3	b	3	*	32	Vestmanna ...	1004.0	39	+2	E	7	r
	Hangö ...	1020.2	36	-	0	o		1025.3	+3	34	-3	-	0	o	9	*	30	Seydisfjord ...	1007.9	30	0	-	0	c	
	Riga ...	1023.9	34	-	0	b		1029.0	*	34	+2	-	0	o	-	*	30	Thorshavn ...	1012.1	33	-9	-	0	b	
	Petrograd ...	1019.7	37	WNW	2	o		1025.1	+3	34	0	SW	3	o	5	39	34								
	Moscow ...	1027.9	50	SSE	4	o		1027.0	-1	46	+5	SE	3	o	3	*	41								
	Kiev ...	1017.5	54	NE	3	r		1019.0	+3	52	-2	NE	2	r	24	*	50								
	Kharkov ...	1026.3	50	SE	3	b		1025.3	-1	43	0	SE	3	c	-	*	43								
	Kishinev ...	1016.4	55	SE	2	o		1019.0	+4	50	-7	NNW	3	o	44	*	48								
	Elisabetgrad ...	1010.3	59	SSE	4	c		1019.4	0	52	0	ESE	3	o	3	*	52								
	Nicolaiev ...	1018.6	61	S	4	o		1019.0	*	55	+1	S	2	c	1	*	52								
	Odessa ...	1018.1	61	SSW	4	o		1019.3	+2	57	-2	SW	2	o	4	*	57								
	Tarkhankout ...	1019.5	61	SSE	4	bc		1019.3	*	59	0	E	4	o	1	*	59								
	Soukhom ...	1021.6	61	NNE	2	b		1020.0	0	57		NNE	1	b	-	*	54								
MEDITERRANEAN.	Venice ...	1022.6	52	-	0	o		1025.5	*	46	+1	N	1	bc	-	55	45								
	Pesaro ...	1022.4	52	-	0	o		1025.3	*	46	+3	-	0	bc	-	59	43								
	Rome ...	1022.8	55	-	0	b		1023.0	*	50	-4	E	1	o	-	63	46								
	Viesti ...	1022.4	59	NE	3	b		1024.9	*	59	0	-	0	c	-	64	55								
	Brindisi ...	1022.5	64	SSW	1	b		1022.6	*	64	+7	N	1	b	-	70	57								
	Cagliari ...	1018.4	64	SSW	4	bc		1015.7	*	63	+9	NE	3	o	-	70	48								
	Palermo ...	1021.7	63	E	4	b		1019.1	*	61	-9	-	0	o	-	81	55								
	Tripoli ...	1018.6	72	SSW	1	b		1018.6	*	70	-3	SSW	2	b	-	91	64								
	Algiers ...	1012.6	70	SW	3	o		1014.6	+3	66	+2	N	4	bc	1	77	64								
	SWEDEN.	Hernösand ...	1019.3	30	-	0	o		1022.4	*	16	-4	-	0	b	*	*	*							
		Stockholm ...	1022.4	30	-	0	b		1027.3	*	36	+4	SW	2	o	*	*	*							
Wisby ...		1023.5	37	NW	2	b		1029.5	*	39	+3	SW	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	-
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.	° F.	° F.					18h-9h.	9h-18h.	° F.	° F.			
Scotland.	Oban ...	1	49	43	or	c	0.2	England, E.	Lowestoft ...	-	58	48	c b	bc	5.0
	Banff ...	Trace	48	34	c or o	or o	0.0		Felixstowe ...	-	58	46	bc	bc	5.2
	Montrose ...	2	50	45	r	o	0.0		Walton-on-Naze ...	-	57	44	bc	b bc.	4.5
	Carnoustie ...	*	*	*	*	*	*		Southend-on-Sea ...	-	61	45	c bc	b bc c	4.9
	St. Andrews ...	1	49	38	o	p	0.2		Margate ...	-	57	43	b	b bc	7.0
Eng. N.E.	Harrogate ...	3	Trace	52	40	o c bc	0.8	England, S.E.	Ramsgate ...	-	57	45	bc	bc	6.7
	Skegness ...	1	-	57	46	bc b	6.7		Hastings ...	1	59	50	o bc b	bc o	6.1
Eng. N.W.	Morecambe ...	2	2	52	43	-	0.2		Eastbourne ...	Trace	59	49	bc b	b bc	4.8
	Southport ...	2	Trace	52	42	or o	0.1		Seaford ...	*	57	48	c	o	3.6
Midlands.	Leamington Spa ...	1	1	58	46	b	6.6		Brighton ...	1	58	49	c	c	4.6
	Malvern ...	4	1	55	40	p bc	5.6	England, S.W.	Worthing ...	1	59	49	bc	bc	5.1
	Ross-on-Wye ...	4	2	57	44	c bc	5.2		Littlehampton ...	Trace	57	45	bc	bc	3.5
Wales.	Rhyl ...	1	2	52	41	p o	0.7		Bognor ...	*	57	50	bc	bc	8.1
	Colwyn Bay ...	*	*	52	41	o	2.0		Bournemouth ...	2	58	47	bc	bc	4.6
	Llandudno ...	*	*	54	42	c or	1.5		Weymouth ...	*	61	51	c b	b bc	7.0
	Aberystwyth ...	*	*	53	38	r o c	0.0		Torquay ...	6	58	49	bc	bc	6.5
	Tenby ...	5	4	54	46	bc or	0.7		Paignton ...	*	59	47	b bc	c bc	6.8

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

Date & 25th October, 1916.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.26	11.27	4.38
Greenwich ...	6.27	11.27	4.36
Wick ...	6.41	11.44	4.47
Valencia ...	7.10	11.56	4.42
	7.12	11.56	4.39
	7.23	12.25	5.28
	7.24	12.25	5.26

NOTES ON YESTERDAY'S WEATHER.

Rain fell at most stations, heavily at Lerwick. A thunderstorm was experienced at Benson yesterday morning. Fair sunshine measurements were recorded in the South and Midland districts.

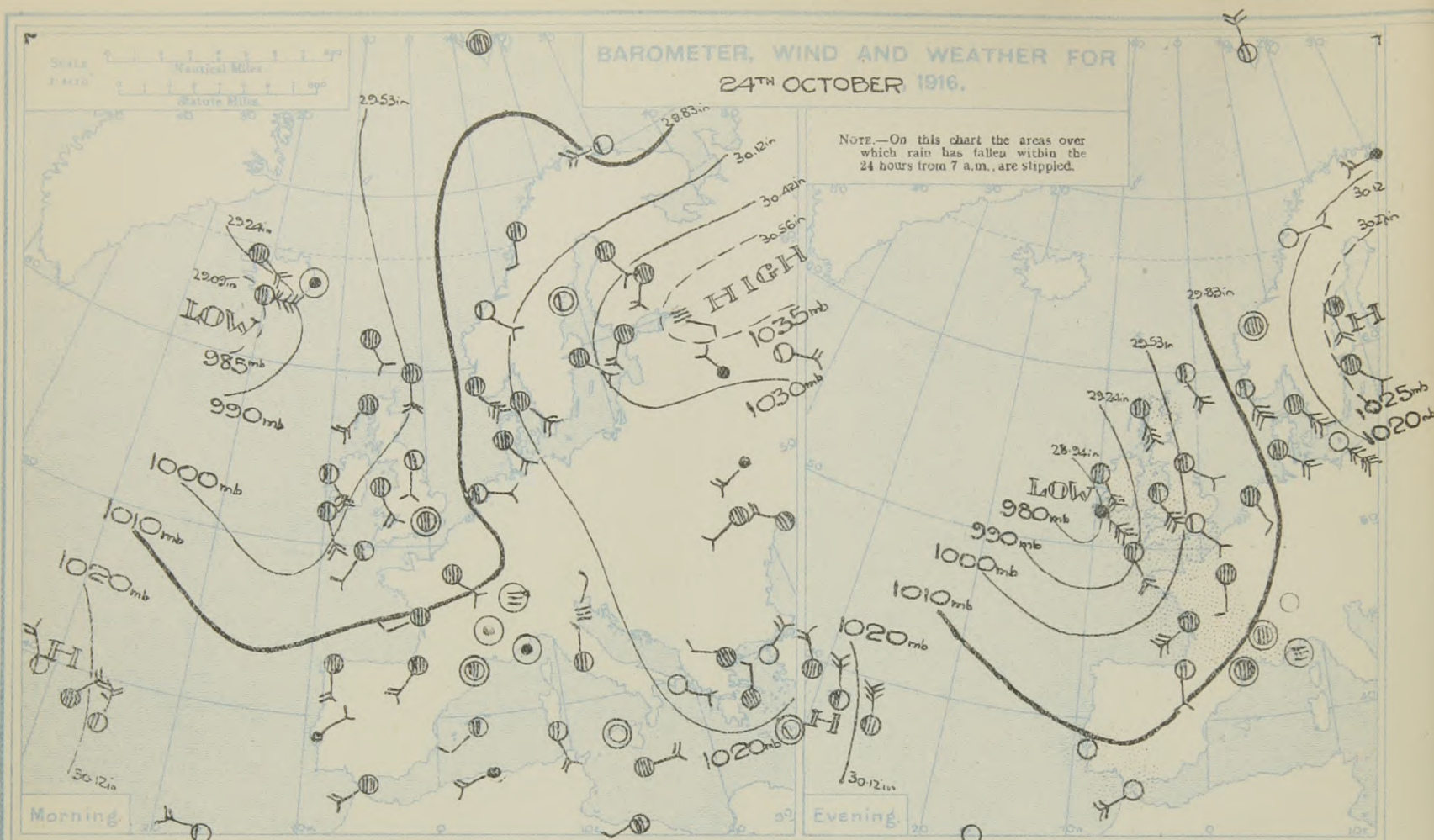
NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; l, lightning; m, mist; o, overcast sky; p, passing showers; q, squalls; r, rain; 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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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 299

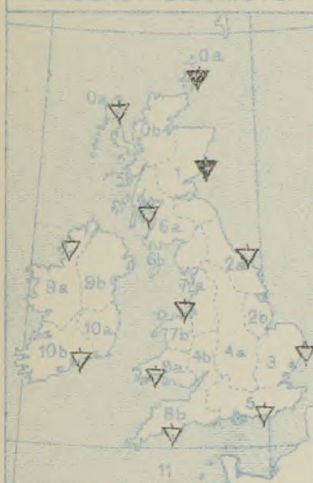
Wednesday
25th October

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.	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	1002.2	50	SSE	5	C	1000.4	-2	48	-2	SE	5	-	51	46	abc	bc	bcq	*			
	Deerness (Orkney)	997.3	49	S	6	b	994.2	*	47	-1	ESE	6	-	50	47	a.c.bc	bc.b	b.b.c	00			
	Stornoway	993.5	51	SE	6	cg	986.8	-3	49	+3	SE	6	-	51	45	op.cq	cq	bcq	35			
	Castlebay (Barra Is.)	991.2	52	E	6	cg	978.0	-6	53	+3	E	6	-	53	49	a.b.c	c.b.cq	o.b.cq	32			
	Glasgow	997.6	45	ESE	1	bc	985.6	-6	47	+6	E	3	SE	50	40	bom.dp	od.p.bc	bod.p	13			
	Eskdalemuir	998.8	43	*	0	bz	986.7	-6	46	+4	SE	6	-	51	40	o.c.bz	bz.bz	b.b.c	63			
	Main Head	988.6	49	S	6	bcq	972.0	-7	49	+6	SE	8	SE	50	40	bcq	bcq	cq.p	48			
	Blacksod Point	980.4	50	SSE	8	cg										cp	cg		*			
	Valencia	975.9	53	ESE	7	r	976.2	+8	50	-1	WSW	8	-	55	?	c.ad	o.cq.r	o.r.o	00			
	Roches Point	983.9	54	S	8	o	977.8	*	49	-2	SW	4	-	55	49	bc.c	o	o.r.c	*			
	Birr Castle	984.4	50	S	4	c	972.1	*	48	+8	S	6	-	53	39	c	c	o.r.o	40			
	Donaghadee	993.3	49	S	4	cpq	978.0	-4	52	+8	SE	7	-	54	44	cpq	cpq	b.m.p	*			
	Liverpool (Bidston)	997.6	49	ESE	3	b	983.2	-4	49	+5	E	5	E	54	44	cpq	b	b	84			
	Holyhead	994.4	53	SSE	6	cpq	979.7	0	50	+2	S	5	-	55	48	b.c.b	bc.cq	o.b.cq	73			
	Pembroke (St. Ann's)	992.7	54	SSE	6	cq	982.5	+2	51	-1	WSW	4	SW	55	50	bcq	bcq	o.r.c	54			
	Scilly (St. Mary's)	989.0	55	SSE	7	cq	985.5	+6	50	0	W	6	W	56	47	b.c.p	cq	cq.p	64			
	Falmouth	993.5	53	SSE	7	cq	985.7	+6	47	+2	SW	3	-	57	44	b	bcq.cq	o.r.c	75			
	Jersey (St. Aubin)	1001.0	55	SSE	4	o	989.5	*	54	+3	SW	5	SW	56	50	c.b.c	o.b.c	o.r.c	48			
	Portland Bill	999.0	54	SSE	5	bc	986.3	+2	55	+1	SW	6	SW	58	51	bc	b.c	b.c.c	*			
	Dungeness	1002.1	49	W	2	r	992.5	-4	52	0	SSE	8	S	58	50	o.c	cr	b.c.p	*			
	Dover	1001.5	50	SW	1	r	995.0	-5	52	+1	SSE	6	S	52	47	op.d.me	o.d.r.me	o.p.r	00			
NORTHERN EUROPE.	Wick	999.2	49	SSE	4	bc	993.0	-3	49	+1	SSE	6	-	51	48	o.b	b.c	o.r.c	*			
	Nairn	997.6	47	SW	1	cg	989.5	*	48	+6	E	1	-	51	40	cg.b	b.c	c.b.c	47			
	Aberdeen	1000.7	49	SSE	4	b	990.6	-6	51	+3	SE	6	-	54	45	c.b.c	b.c	b.c.c	44			
	Leith	998.4	48	ESE	2	b	987.6	-3	48	+5	SE	2	SE	55	42	c.b.c	b	o.b.c	*			
	Tynemouth	1001.1	51	SE	2	cm	990.2	-4	50	+5	SE	5	SE	52	44	b.c	cm	cq.p	*			
	Spurn Head	1002.2	52	SE	3	cp	991.3	-3	51	+4	SE	6	-	54	44	f.b	cp	o.r	26			
	Yarmouth	1001.7	52	SE	3	omr	994.8	-5	53	+3	S	7	-	53	48	omr	omr	omr	00			
	Clacton-on-Sea	1001.6	51	SSE	1	r	993.8	-4	52	0	SE	7	S	53	49	cor	ogr	ogr	00			
	Nottingham	1000.5	50	SE	2	c	988.8	*	50	+10	SE	5	SE	57	39	b.c	c.o	c.b	49			
	Benson (Oxon.)	1000.4	49	SSE	3	b	987.7	-2	50	+14	SE	5	-	55	36	bc	p.b	b.c	*			
FRANCE, &c.	St. Farnborough	1001.6	48	ESE	2	b	988.4	-4	50	+8	SSE	5	-	57	41	f.c.o	o.c.b	o.c.b	11			
	London (Kew Obs.)	1001.2	51	SSE	2	bm	990.1	-3	50	+5	SE	4	-	55	43	cf.o	o.c.b	o.c.b	16			
	Spitsbergen	1015.7	23	N	4	bc	1022.7	+3	25	+2	NW	4	*	25	16							
	Vardö	1017.0	39	W	3	r	1031.9	+5	36	+4	-	0	-	39	25							
	Bodö	1019.3	41	E	2	b	1020.3	0	37	-2	E	4	-	41	36							
	Christiansund	1014.1	48	-	0	o	1011.5	-1	46	+3	SE	4	W	48	41							
	Skudesnaes	1011.8	46	SE	6	bc	1008.3	0	46	0	E	7	-	46	45							
	Færder (Xania Fjerd)	1019.9	45	ESE	4	o	1018.7	?	41	0	ESE	6	-	45	41							
	The Scaw (Skagen)	1016.6	46	SE	6	o	1015.5	0	43	-2	ESE	5	-	46	32							
	Blaavands Huk	1010.4	41	SE	3	o	1009.5	0	41	+2	SE	4	-	43	39							
SOUTHERN STATIONS.	Copenhagen	1016.8	45	SE	10	b	1016.6	+1	39	-2	SE	5	-	45	36							
	Bornholm	1016.8	45	SE	10	b	1016.6	+1	39	-2	SE	5	-	45	36							
	The Helder	1005.1	46	SE	1	o	1001.9	0	45	-1	SSE	2	W	50	43							
	C. Gris Nez	1002.1	50	ESE	1	r	994.3	-4	48	-1	SE	5	*	52	46							
	La Hève	1001.0	50	SSE	3	bc	991.7	*	48	0	SSE	6	*	52	46							
	Brest (St. Mathieu)	996.2	55	S	6	o	989.7	+3	53	+3	WNW	5	*	57	45							
	Rochefort (Ile d'Aix)	1005.3	54	SW	5	o	995.8	0	52	0	S	4	*	59	50							
	Biarritz	1005.5	59	S	2	bc	999.9	+3	55	0	SW	3	*	66	55							
	Paris	1006.3	48	S	1	o	998.0	-3	48	-2	SE	3	-	54	45							
	Belfort	1002.1	50	ESE	1	r	994.3	-4	48	-1	SE	5	*	52	46							
SOUTH KENSINGTON.	Lyons	1011.5	46	-	0	c	1003.7	*	53	+7	S	3	*	54	45							
	Nice	1013.0	50	-	0	f	1011.7	+1	52	+2	-	0	*	55	48							
	Perpignan	1011.3	55	-	0	o	1001.9	-4	48	-6	ESE	1	W	61	43							
	Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*							
	Corunna	*	*	*	*	*	*	*	*	*	*	*	*	*	*							
	Madrid	*	*	*	*	*	*	*	*	*	*	*	*	*	*							
	Lisbon	1007.4	61	SE	2	o	1010.4	+4	59	+5	W	2	-	63	54							
	Azores (Horta)	1021.7	*	NNW	4	bc	1023.8	0	59	-7	NNW	3	*	73	59							
	Madeira	1014.0	75	?	?	b	1016.6	0	66	0	N	3	-	75	66							
	Gibraltar	1013.2	64	SW	4	b	1011.8	*	64	+6	W	5	*	68	57							
	Malta	*	*	*	*	*	*	*	*	*	*	*	*	*	*							
	Limassol	*	*	*	*	*	1019.4	?	70	-2	-	0	-	81	52							
	Alexandria	1018.9	70	NNE	2	b	1020.7	+2	70	-2	NNE	2	N	81	66							
	Cairo (Helwan)	1017.3	72	N	2	b	1019.1	+3	66	-2	NE	1	-	81	63							
LONDON OBSERVATIONS.	24 HOURS ENDED 9 A.M. TO-DAY.										SOUTH KENSINGTON.										Notes	
	HUMIDITY.		Sun- shine for Yester- day.		TEMPERATURE.		WEATHER.		Vertical Component of Solar Radiation per square Centimetre during Yesterday.												Temperatures at Greenwich and Cam- den Square are from Glatisher screens.	
	25 h. Yester- day.	9 h. To- day.	Hours	F.	F.	F.	min.	Morn- ing.	After- noon.	Night.	Total.	Average Rate.	Max. Rate.	Joules.	Milliwatts.	Milliwatts.						
	87	96	0.8	56	45	36	3	c. o	b.c	o.p.	?	?	?	?	?	?						
	88	90	0.5	56	48	?	2	bom	b.c	o.r.	?	?	?	?	?	?						
	75	93	0.3	56	47	42	3	m.c	o.z	*	?	?	?	?	?	?						
	*	95	0.3	54	46	32	3	o.c	a.c	a.b	?	?	?	?	?	?						
	*	90	0.3	56	49	40	3	om.c	o.c	o.m	?	?	?	?	?	?						
	*	*	*	*	*	*	*	*	*	*	?	?	?	?	?	?						
	*	*	*	*	*	*	*	*	*	*	?	?	?	?	?	?						
	*	*	*	*	*	*	*	*	*	*	?	?	?	?	?	?						
	*	*	*	*	*	*	*	*	*	*	?	?	?	?	?	?						



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.

South Coast hoisted yesterday at 10.15 a.m. in Dist. 0 (part of) 9.6-10, at 7 p.m. in Dist. 2, 3, 9.5; 9.6-day at 10 a.m. in Dist. 0 (part of) 9.1.

Western Channel and Bay 11

0 } South-Easterly gales, veering Southerly; dull, rainy, improving to-morrow; rather mild.

2 } South-Easterly or Southerly gales, veering South-Westerly and moderating later; some rain, then becoming fair, showery; rather mild.

6 } South-Easterly gales, veering Southerly or South-Westerly; dull, rainy, improving later; normal temperature.
7 } Strong or high South-Westerly or Westerly winds, moderating; unsettled, showery; normal temperature.

9 } Southerly or South-Westerly gales, veering Westerly and moderating; unsettled, showery; normal temperature.

10 } Fresh South-Westerly or Westerly winds, rough sea, moderating; unsettled, showery.

FURTHER OUTLOOK.

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

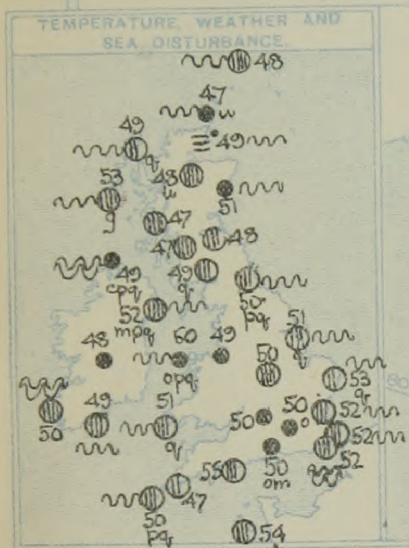
NAPIER SHAW, Director

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

SYNOPTIC CHART FOR THE MORNING OF WEDNESDAY, 25TH OCTOBER, 1916.

GENERAL INFERENCE.

The very deep depression north-west of Ireland is likely to move north or north-east, but high winds will continue over most of the country for the present.



EXPLANATION.

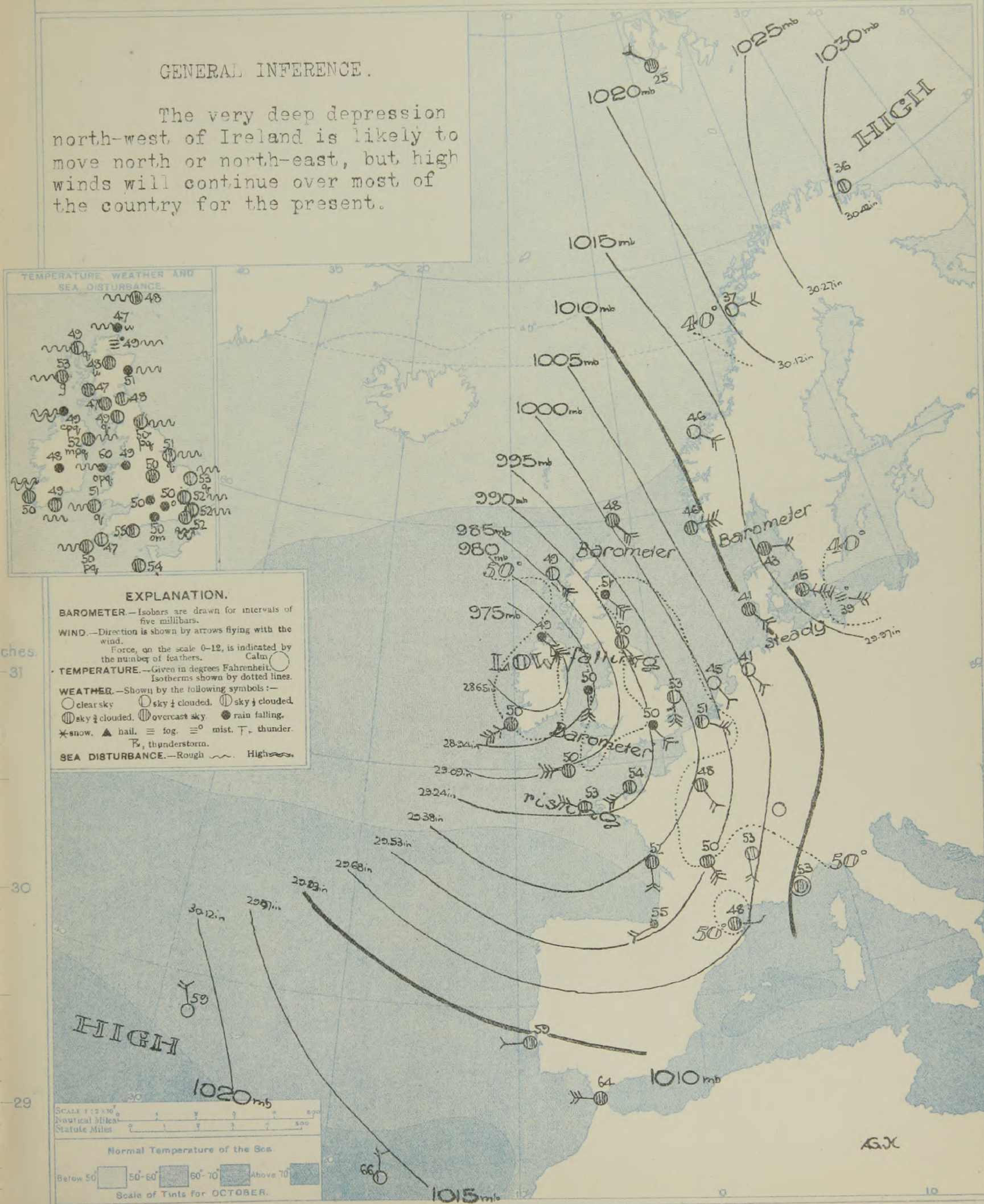
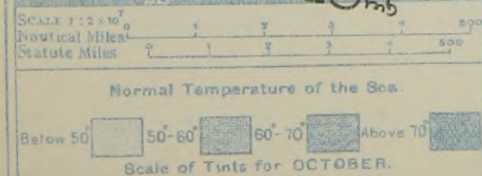
BAROMETER.—Isobars are drawn for intervals of five millibars.

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.
 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.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	TEMP.		WIND.	Force 0-12.	Weather.	Rain- fall. Milli- metres.	TEMP.		Barom. Milli- bars at M.S.L.	TEMP.		WIND.			
		Dir.	Force 0-12.			Change in 3 hours.	Dry Bulb.					Max.	Min.		Dir.	Force 0-12.				
RUSSIA 7 a.m. and 6 p.m. Local Time.																				
Archangel ...	1021.6	34	W	5	0	1027.1	34	-9	SW	4	0	3	32	Isafjord ...	992.8	39	+12	SE	4	0
Gorki ...	1024.8	37	N	4	0	1024.6	37	-6	NE	5	0	4	37	Reykjavik ...	985.2	41	+5	E	4	0
Velieki Luki ...	1032.9	30	NNW	3	0	1031.5	32	0	NNW	2	0	7	30	Vestmanna ...	985.1	43	+4	E	9	0
Hangö ...	1032.0	41	-	0	C	1032.0	41	+7	SSW	3	0	-	30	Seydisfjord ...	976.3	37	+7	-	0	0
Riga ...	1033.3	36	-	0	0	1032.7	36	-2	-	0	0	-	32	Thorshavn ...	994.1	46	+13	SSE	2	0
Petrograd ...	1033.6	34	SW	2	b	1036.0	+1	30	SE	2	0	-	39							
Moscow ...	1031.1	40	ESE	2	b	1034.0	+2	34	SE	3	b	-	32							
Kiev ...	1021.9	45	NNW	3	f	1022.3	0	45	WSW	3	0	5	43							
Kharkov ...	1025.2	48	SE	3	b	1026.7	-2	43	WSW	3	0	-	41							
Kishinev ...	1022.6	41	NW	3	0	1021.0	0	41	WSW	2	0	-	39							
Elisabetgrad ...	1020.7	54	WSW	1	0	1020.8	0	46	W	2	0	2	46							
Nicolaiev ...	1021.5	50	NW	3	b	1021.5	0	44	W	2	0	3	44							
Odessa ...	1022.9	46	N	3	b	1022.6	0	41	NNW	3	0	-	37							
Tarkhankout ...	1019.0	57	NNW	4	0	1021.9	0	54	N	4	bc	2	52							
Soukhoum ...	1020.8	59	NNE	2	b	1020.8	+2	54	NNE	2	b	-	52							
MEDITERRANEAN.																				
Venice ...	1021.9	54	-	0	0	1017.9	0	44	NNE	1	f	-	59	46						
Pesaro ...	1020.6	57	NNW	3	r	1015.7	0	57	-	0	0	5	61	46						
Rome ...	1017.9	55	E	2	0	1014.7	0	55	N	1	c	37	57	50						
Viesti ...	1021.7	61	NNE	2	0	1016.3	0	61	SSW	2	0	Trace	64	57						
Brindisi ...	1020.0	64	SW	1	b	1021.4	0	64	SE	2	b	Trace	66	64						
Cagliari ...	1013.9	68	ESE	4	c	1016.6	0	63	SSE	3	bc	12	72	48						
Palermo ...	1016.2	66	-	0	b	1017.0	0	72	-	0	b	-	70	59						
Tripoli ...	1017.5	73	ESE	2	bc	1017.5	0	73	WSW	1	c	-	87	68						
Algiers ...	1016.3	68	WNW	3	b	1015.5	+2	61	WSW	3	r	1	75	61						
SWEDEN.																				
Hernösand ...	1023.1	34	-	0	bc	1025.7	0	30	-	0	b	0	59	46						
Stockholm ...	1030.3	36	3	2	0	1024.7	0	41	SE	2	0	0	51	50						
Wisby ...	1031.4	41	3	2	0	1029.2	0	39	E	2	0	0	51	50						

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	3	-	53	42	b bc	c op	1.4	England, E.	Lowestoft	Trace	3	52	51	or	or	0.0
	Banff	1	-	51	43	bc	bc c	7.1		Felixstowe	-	9	53	51	op	or	0.0
	Montrose	1	-	52	45	b	b r	6.2		Walton-on-Naze	Trace	8	52	51	bc or	o cr	0.0
	Carnoustie	*	*							Southend-on-Sea	-	5	53	48	o	or	0.0
	St. Andrews																
Eng. N.E.	Harrogate	-	-	51	40	c bc	c o	2.6	England, S.E.	Margate	3	7	53	50	r	r	0.0
	Skegness	-	1	53	46	b bc	c op r	3.5		Ramsgate	4	4	53	49	r	r	0.0
Eng. N.W.	Morecambe	4	1	51	44	-	-	7.5		Hastings	-	4	54	49	c o	or	0.0
	Southport	1	-	55	44	bc	b	8.2		Eastbourne	-	6	55	50	og	odr	0.0
Midlands.	Leamington Spa	Trace	Trace	58	36	b	bcp	2.2		Seaford	*	*	57	50	r	r o	0.0
	Malvern	-	1	55	29	b bc	bc c o	7.4		Brighton	1	8	55	48	o	o	0.0
	Ross-on-Wye	-	-	57	37	bc m	b d o	7.2		Worthing	6	4	54	48	cr	cp	0.1
Wales.	Rhyl	1	-	56	43	op bc	b bc	8.2	England, S.W.	Littlehampton	*	*					
	Colwyn Bay	*	*	57	47	bc	bc	8.8		Bognor	*	*					
	Llandudno	*	*	57	45	b	b	8.3		Bournemouth	1	1	60	42	bc	bc	7.0
	Aberystwyth	*	*	55	45	r oc	b bc	8.7		Weymouth	*	*	61	47	bc	bc c	5.0
	Tenby	3	*	57	45	b	bc	5.5		Torquay	Trace	-	58	43	bc	bc c	6.7

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

STATIONS.	25th, 26th October, 1916.		
	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 6.27 M.T. 6.09	G.M.T. 11.27 M.T. 11.07	G.M.T. 4.26 M.T. 4.06
Greenwich ...	G.M.T. 6.42 M.T. 6.22	G.M.T. 11.44 M.T. 11.24	G.M.T. 4.45 M.T. 4.25
Wick ...	G.M.T. 7.12 M.T. 6.52	G.M.T. 11.56 M.T. 11.36	G.M.T. 4.29 M.T. 4.09
Valencia ...	G.M.T. 7.24 M.T. 7.04	G.M.T. 12.25 M.T. 12.05	G.M.T. 5.26 M.T. 5.06

NOTES ON YESTERDAY'S WEATHER.

Rain again fell generally, 21 mm. at Scilly. Good sunshine records were obtained at several stations. Gales were reported at many places in England and Ireland.

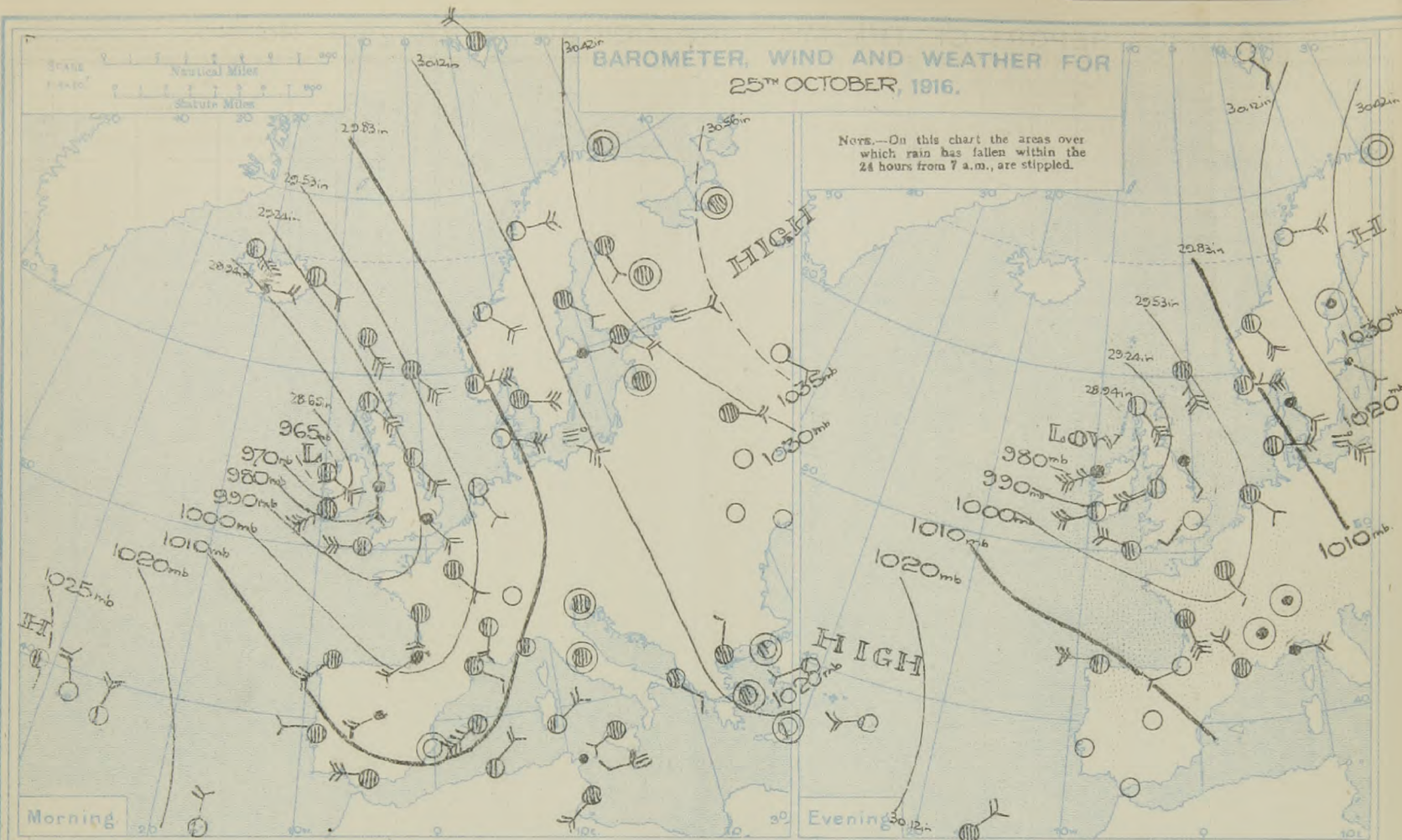
NOTE.—The information relating to weather is indicated by the following letters:—b, blue sky; bc, sky half cloudy; c, sky three parts cloudy; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; i, lightning; m, mist; o, overcast sky; p, passing showers; q, squalls; r, rain;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

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 300

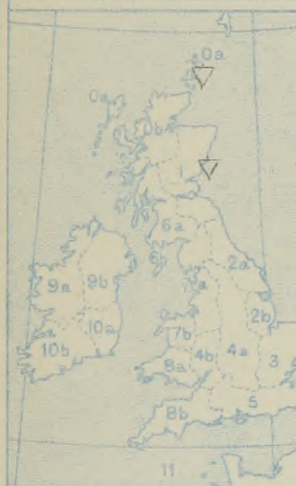
Thursday,
26th October

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 24 hours.	Dry Bulb. °F.	Change in 24 hours. °F.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.																						
Lerwick ...	9993	49	SSE	7	o	10013	+1	49	+1	SE	7	-	o	7	6	49	47	or	r.o	op	*	
Deerness (Orkney) ...	9915	51	SE	7	opq	9976	*	48	+1	SSE	6	SW	b	5	3	52	47	r.p.c.bc	bc.opq	o.c.bcb	0.7	
Stornoway ...	9826	52	SE	6	bcq	9893	+2	49	0	SSE	8	S	bcq	6	-	54	48	cq	bcq	bcq	1.3	
Castlebay (Barra Isd.) ...	9788	50	ESE	9	op	9896	+4	50	-3	SSW	6	-	op	6	1	54	48	og	og.op	op.op	0.6	
Glasgow ...	9838	48	S	2	c	10000	+6	40	-7	SE	1	SW	bz	*	1	53	39	op	ac.b.c.	bzx	1.4	
Eskdalemuir ...	9904	46	SSE	4	bc	10012	+6	36	-10	S	1	SW	b	*	10	48	34	cq.og	o.o.d.o.	bc.opq	0.6	
Malin Head ...	9756	46	SW	8	cmq	9938	+5	43	-6	SSW	5	SW	cqd	6	1	50	36	cmq	bmq	ogp	1.1	
Blackrod Point ...	9767	44	WSW	9	omqr													omr	omr		*	
Valencia ...	9920	43	WSW	5	bc	10038	+4	45	-5	-	0	-	bc	4	7	51	43	ocqph	c.bopq	bc.p	2.4	
ROCHE'S POINT.																						
Roche's Point ...	9927	43	WSW	3	b	10055	*	42	-7	W	1	-	b	4	0.4	53	41	c	c.b.p.b	b	*	
Birr Castle ...	9896	41	S	3	c	10022	*	40	-8	SW	2	-	c	*	4	50	39	or.c.p.	cp	cp.c	0.7	
Donaghadee ...	9865	48	SW	5	bcq	9993	+7	39	-13	WSW	2	-	bcz	2	4	54	39	bcqpm	bcq.m.	bcqbez	*	
Liverpool (Bidston) ...	9923	49	S	1	b	10038	+6	38	-11	SE	2	-	b	1	4	54	38	p.be	bc	b	3.6	
Holyhead ...	9904	50	SW	5	bc	10022	+2	46	-4	WSW	4	SW	b	4	1	56	46	cp.cq	c.bq	ob.bcb	4.4	
Pembroke (St. Ann's) ...	9935	52	WSW	5	bcq	10041	+3	50	-1	W	4	NW	bcq	4	1	54	48	bcq	bcqph	bcq	5.0	
SCILLY (St. Mary's).																						
Scilly ...	9966	50	NNW	5	cqv	10074	+5	48	-3	NNW	5	W	cqv	6	4	54	45	cq.p	cq.p	c.bqz	3.0	
Falmouth ...	9965	46	NNW	2	b	10071	+4	42	-5	W	3	-	b	*	1	55	41	bc.c.p.	cp.cph	bl.bcb	3.6	
Jersey (St. Aubin) ...	9965	53	WSW	4	b	10080	*	48	-6	NNW	3	-	o	2	7	58	46	c.bq	c.b	bc.o.	6.6	
Portland Bill ...	9955	51	WSW	3	cp.	10057	+4	51	-4	NNW	4	NW	b	5	2	57	50	bc.c	bc.c.p.	c.b.c.b	*	
Dungeness ...	9961	54	S	5	cq	10029	+4	45	-7	NNW	2	-	c	2	4	56	44	op.bc	bc.p	cro.p.c	*	
Dover ...	9971	50	SW	2	r	10048	+6	46	-6	NW	4	W	o	2	6	54	45	a.c	cp.zl.r.	rl.o	0.0	
WICK.																						
Wick ...	9902	51	SE	8	o	9974	+5	48	-1	SSE	5	-	bc.	5	1	51	47	range	compq	ogbcm	*	
NAIRN.																						
Nairn ...	9867	51	ESE	2	cu	9966	*	43	-5	-	0	-	bc	1	-	55	39	ogu	ocg	c.bcz	0.5	
ABERDEEN.																						
Aberdeen ...	9917	51	SSE	5	opq	10002	+5	43	-8	SSW	2	-	bm	4	4	52	43	org	org	opq.b	0.0	
LEITH.																						
Leith ...	9897	50	SSW	1	o	9998	+3	41	-7	S	1	S	b	3	1	52	41	c.o.d.o	ogco	ocmb	*	
TYNEMOUTH.																						
Tynemouth ...	9924	48	SSE	1	orm	10014	+4	39	-11	SW	2	SW	bm	5	4	51	38	ogmr	omr	bcm	*	
SPURN HEAD.																						
Spurn Head ...	9940	52	SSE	4	cq	10018	+1	46	-5	NW	3	-	bcm	4	2	52	44	og.r	cq	bcm	0.0	
YARMOUTH.																						
Yarmouth ...	9976	52	S	5	r	10026	+5	44	-9	NW	2	-	o	2	4	54	44	omr	omr	bc.o	0.2	
CLACTON-ON-SEA.																						
Clacton-on-Sea ...	9965	52	SSE	3	bc	10037	+5	43	-9	NNW	2	-	o	1	2	53	42	cogd	agr.bc	bccag	0.5	
NOTTINGHAM.																						
Nottingham ...	9944	46	SW	1	b	10044	*	33	-17	W	1	-	f	*	0.2	56	31	op.c	c.bq	bm	0.7	
BENSON (OXON.).																						
Benson (Oxon.) ...	9954	47	SW	1	b	10057	+5	33	-17	SE	1	SE	bc	*	3	56	33	orbc	pbc	b.bq	*	
Sth FARNBOROUGH.																						
Sth Farnborough ...	9956	49	S	2	b	10052	+5	38	-12	NNW	2	SE	bc	*	4	57	37	ro.ped	op.o.c.b	b.f.q.p.d	2.8	
LONDON (Kew Obsv.).																						
London (Kew Obsv.) ...	9961	50	SSW	1	b	10058	+6	37	-13	-	0	-	fw	*	3	57	36	or.o.d.	o.c.bz	bl.bcmf	1.7	
NORTHERN EUROPE.																						
Spitsbergen ...	10163	19	SSE	1	b	10327	+2	16	-9	SE	1	*	o	*	*	25	16	UPPER AIR.				
Vardö ...	10340	34	-	0	b	10313	0	36	0	-	0	-	o	1	*	37	28	South Farnborough.				
Bodö ...	10204	41	E	4	b	10219	0	39	+2	E	4	-	b	2	-	41	36	Pilot Balloon Ascent at 7.30 a.m.				
Christiansund ...	10123	46	SE	5	c	10135	+1	46	0	SE	2	-	c	3	-	49	43	4,600	metres	W.S.	6 mps	
Skudesnaes ...	10086	48	E	7	o	10086	0	48	+2	E	6	-	c	4	-	48	45	4,300	"	W.S.	7	
Færder (X'ania Fjord) ...	10170	45	E	6	o	10167	+1	46	+5	E	6	-	o	3	-	45	41	4,000	"	"	6	
The Scaw (Skagen) ...	10144	45	SE	4	r	10132	0	46	+3	E	3	-	r	4	-	48	43	3,400	"	W.	7	
Blaavands Huk ...	10073	43	ESE	4	c	10069	-2	43	+2	E	3	-	o	4	-	46	41	3,000	"	W.N.	7	
Copenhagen ...	10133	43	ESE	6	r	10099	-1	46	+3	ESE	6	-	o	*	1	46	43	2,700	"	"	7	
Bornholm ...	10140	43	SE	7	m.	10101	-2	46	+7	ESE	8	-	m.	3	-	46	39	2,400	"	"	5	
FRANCE, &c.																						
The Helder ...	10099	52	SE	2	o.	10016	0	50	+5	-	0	-	r	1	8	55	45	1,500	"	"	7	
C. Gris Nez ...	9973	48	S	3	b	10043	+5	50	+2	NNW	3	*	r	2	13	52	48	1,200	"	"	7	
La Hève ...	9958	51	SSW	4	c	10008	*	46	-2	NW	4	*	o	4	12	57	46	900	"	NNW	9	
Brest (St. Mathieu) ...	9979	50	NNW	3	o	10103	+4	51	-2	NW	5	*	bc	5	1	55	45	600	"	NNW	9	
Rochefort (Ile d'Aix) ...	10021	52	W	4	o	10124	+5	52	0	NNW	4	*	c	5	11	57	48	300	"	NNW	8	
Biarritz ...	10077	55	WSW	5	o	10164	+5	54	-1	WSW	6	*	bc	5	18	59	48	Surface	"	W.N.	4	
GALES																						
Paris ...	9995	50	SSE	1	o	10078	+6	45	-3	SSW	2	-	o	*	2	52	45	Duration and Extreme Force in British Islands.				
Belfort ...	10035	47	-	0	r	10095	*	45	-	WSW	6	*	o	*	14	55	43					
Lyons ...	10012	51	-	0	r	10132	*	46	-7	W	1	*	c	*	27	57	44					
Nice ...	10066	54	E	5	r	10092	+5	52	0	-	0	*	b	4	30	61	46					
Perpignan ...	10052	54	NW	4	o	10168	+6	52	+4	NW	3	SW	b	*	1	68	45					
Sanguinaire ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
SOUTHERN STATIONS.																						
Corunna ...	10113	54	W	5	c	10203	+2	52	0	SW	3	S	bc	4	15	57	48					
Madrid ...																						
Lisbon ...																						
Azores (Horta) ...	10226	*	W	4	b.	10180	51	66	+7	WSW	7	*	o	3	1	70	59					
Madeira ...	10189	72	NE	3	o.	10223	0	64	-2	NE	3	-	b	3	-	73	64					
Gibraltar ...	10179	63	NW	4	b	10217	*	56	-8	NW	4	*	b	3	3	69	55					
Malta ...	*	*	*	*	*																	
Limassol ...	*	*	*	*	*	10197	+2	68	-2	-	0	-	b	0	-	79	54					
Alexandria ...	10210	70	NNE	2	bc	10220	0	72	+2	NE	2	N	bc	1	-	77	68					
Cairo (Helwan) ...	10184	70	NE	4	b	10198	+2	70	+4	NE	2	-	b	*	-	77	66					
LONDON OBSERVATIONS.																						
Humidity.		Sun- shine for Yester- day.		24 Hours ended 9 h. To-Day.		TEMPERATURE.		Rain- fall.		WEATHER.		SOUTH KENSINGTON.										
15 h. Yester- day.	9 h. To- day.	Hours.	F.	F.	F.	Max.	Min.	Min. on Grass.	mm.	Morn- ing.	After- noon.	Night.	Vertical Component of Solar Radiation per square Centimetre during Yesterday.									
73	91	1.7	57	37	32	*	*	*	2	o.o.	o.c.bc	b.m.	Total.									
65	94	1.7	57	38	36	*	*	*	1	bc.b	bc.m.	m.b.	Average Rate.									
67	90	1.6	57	38	36	*	*	*	2	o.o.	bc.b	bc.m.	Max. Rate.									
*	92	1.5	61	37	26	*	*	*	1	o.o.	bc.b	bc.m.	Joules.									
*	87	1.7	55	39	32	*	*	*	1	o.o.	o.b	bc.bz	Milliwatts.									
*	*	2.1	*	*	*	*	*	*	*	*	*	*	Milliwatts.									
Temperatures at Greenwich and Cam- den Squar: 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 Cone.	South Cone.
North Cone.	North Cone.

South Cone hoisted in Dist. 0 at 1 a.m. yesterday.

Western Channel and Bay

FURTHER OUTLOOK.

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

NAPIER SHAW, Director.

- | | | | |
|----|---|---|--------------------------------------------------------------------------------------------------------------------|
| 0 | a | } | Strong Southerly winds; unsettled, fair intervals; normal temperature. |
| | b | | |
| 1 | a | } | Moderate South-Westerly winds; fair, but some showers; normal temperature. |
| | b | | |
| 2 | a | } | Light or moderate winds from between North-West and South-West; fair; normal day temperature, cold at night. |
| | b | | |
| 3 | a | } | Same as No. 0. |
| | b | | |
| 4 | a | } | Moderate or fresh Westerly or South-Westerly winds; fair generally, but some showers in north; normal temperature. |
| | b | | |
| 5 | a | } | Moderate or fresh Westerly winds; rather rough sea; fair. |
| | b | | |
| 6 | a | } | |
| | b | | |
| 7 | a | } | |
| | b | | |
| 8 | a | } | |
| | b | | |
| 9 | a | } | |
| | b | | |
| 10 | a | } | |
| | b | | |
| 11 | a | } | |
| | b | | |

Millibars
1050

1040

1030

1020

1010

1000

990

980

970

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 ...	...	...	...	...	1031.0	+2.	34	0	SW	3	0	—	*	23	Isafjord ...	985.0	50	+11	SE	9	c
	Gorki ...	1026.4	43	SE	2	0	1027.0	*	37	0	SE	3	0	—	*	37	Reykjavik ...	978.6	48	+7	ESE	6	r
	Velieki Luki ...	1030.0	37	—	0	f	1031.5	*	37	+5	SE	2	0	—	*	32	Vestmanna ...	990.6	46	+3	E	3	r
	Hangö ...	1031.9	37	SSE	3	bc	1029.9	-2.	37	-14	SE	3	0	—	*	32	Seydisfjord ...	993.6	46	+9	SE	4	c
	Riga ...	1029.5	32	—	0	0	1027.4	0	37	+6	—	0	0	—	*	32	Thorshavn ...	997.9	48	+2	SSE	6	o
	Petrograd ...	1034.1	28	NE	3	f	1033.3	0	34	+4	E	3	0	—	34	28							
	Moscow ...	1036.2	37	SSE	1	b	1037.0	0	27	-7	SSE	2	—	—	*	27							
	Kiev ...	1022.4	45	E	3	0	1022.9	0	43	-2	E	2	r	15.	*	43							
	Kharkov ...	1026.3	45	E	4	0	1027.1	0	44	-2	E	2	0	?	*	41							
	Kishinev ...	1021.1	41	NW	2	0	1022.4	+2.	41	—	—	0	0	—	*	41							
MEDITERRANEAN.	Elisabetgrad ...	1021.7	43	WNW	1	0	1023.1	+2.	43	-2	SE	2	r	1	*	41							
	Nicolaiev ...	1021.5	46	WNW	2	0	1023.1	*	45	+4	—	0	0	—	*	44							
	Odessa ...	1022.6	45	W	2	b	1023.5	+2.	43	+2	WNW	2	0	—	*	41							
	Tarkhankout... ..	1022.9	54	NW	2	0	1023.4	*	52	-2	—	0	0	1	*	37							
	Soukhom ...	1021.6	61	—	0	bc	1019.3	*	64	+10	—	0	c	—	*	?							
	Venice ...	1014.2	50	NNE	1	r	1012.9	*	52	+8	—	0	0	1	52	44	British Isles ...			b.	7	18	
	Pesaro ...	1015.9	55	WSW	2	bc	1013.2	*	52	-6	—	0	0	1	66	52	France ...			h.	7	18	
	Rome ...	1014.7	63	—	0	bc	1014.2	*	59	+4	—	0	0	—	68	55	Norway ..				7	18	
	Viesti ...	1016.1	66	WSW	2	b	1015.3	*	70	+9	—	0	0	—	66	61	Sweden ...				7	17	
	Brindisi ...	1016.9	64	S	1	c	1016.0	*	64	0	SSE	1	c	5	73	64	Denmark ...				7	18	
SWEDEN.	Cagliari ...	1012.6	68	SE	3	c	1012.2	*	61	-2	NE	3	bc	2	70	48	Holland ...				7	18	
	Palermo ...	1015.9	68	—	0	0	1016.0	*	70	-2	SW	2	0	—	79	57	Italy ...				7	20	
	Tripoli ...	1017.2	72	SSE	1	0	1016.4	*	75	+2	SSE	1	0	—	81	63	Egypt ...				6	18	
	Algiers ...	1013.6	82	—	0	bc	1011.3	*	68	+7	NE	3	bc	—	92	61	Corunna... ..				7	16	
	Hernösand ...	1025.6	39	S	4	0	1028.6	*	39	+9	SE	2	0	*	*	*	Madrid ...				8	16	
	Stockholm ...	1027.4	41	SE	2	0	1025.6	*	39	-2	E	2	r	*	*	*	Lisbon ...				7	21	
	Wisby ...	1026.4	41	ESE	2	0	1023.1	*	43	+4	E	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-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night 12h-9h.	Day. 9h-12h.	Max.	Min.	Forenoon.	Afternoon.			
Scotland.	Oban ...	—	3	53	43	r. o	cp	0.9	England, E.	Lowestoft ...	Trace	3	53	49	o c or	or	0.3
	Banff ...	3	6	52	47	c or o	or	0.2		Felixstowe ...	6	3	54	48	ogp	or. bc	0.2
	Montrose ...	1	4	52	48	o	o	0.0		Walton-on-Naze ...	—	—	—	—	—	—	—
	Carnoustie ...	*	*	—	—	—	—	—		Southend-on-Sea ...	1	Trace	56	48	r	c bc b	1.5
	St. Andrews ...	—	1	51	46	o	op	0.0		—	—	—	—	—	—	—	—
Eng. N.E.	Harrogate ...	1	3	51	44	o c	or. bc b	0.2	England, S.E.	Margate ...	6	1	54	48	or	c	0.0
	Skegness ...	5	1	52	50	rg	roc b	0.0		Ramsgate ...	8	2	54	47	r	r c	0.0
Eng. N.W.	Morecambe ...	3	Trace	56	48	—	—	2.5		Hastings ...	3	1	56	51	or o	bc o	0.9
	Southport ...	5	Trace	56	46	or o c	bc cp b	2.9		Eastbourne ...	4	5	56	50	or	d r bc	0.9
	—	—	—	—	—	—	—	—		Seaford ...	*	*	56	51	or	r o	1.0
	—	—	—	—	—	—	—	—		Brighton ...	3	3	56	52	o	c bc	1.0
	—	—	—	—	—	—	—	—		Worthing ...	5	Trace	57	51	o c	c bc	1.1
Midlands.	Leamington Spa ...	3	Trace	57	42	c	cp	1.6		Littlehampton ...	4	Trace	56	51	o bc	bc	3.5
	Malvern ...	6	2	54	45	op bc	p bc b	3.5	Bognor ...	*	*	56	51	or bc	bc or bc	3.6	
	Ross-on-Wye ...	5	—	56	43	b bc	bc c	3.7	Bournemouth ...	6	1	58	48	r c	c	2.6	
Wales.	Rhyl ...	2	Trace	56	47	r o	c bc c	4.5	England, S.W.	Weymouth ...	*	*	61	51	c bc p	p bc c	4.8
	Colwyn Bay ...	*	*	55	48	bc	bc c	3.0		Torquay ...	12	1	56	49	cp	c	4.0
	Llandudno ...	*	*	55	49	c	c b	2.3		Paignton ...	*	*	—	—	—	—	—
	Aberystwyth ...	*	*	54	49	r o c	c bc	3.5		Penzance ...	12	3	57	46	bc p r	r c	3.7
	Tenby ...	3	Trace	52	45	bc	bc op	—		Newquay ...	7	4	55	40	b	b p b	3.2

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

26th & 27th October 1916.		Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T.	6.39	11.37	4.35
	G.M.T.	6.41	11.37	4.33
Greenwich ...	G.M.T.	6.44	11.44	4.44
	G.M.T.	6.46	11.44	4.42
Wick ...	G.M.T.	7.14	11.56	4.37
	G.M.T.	7.17	11.56	4.35
Valencia ...	G.M.T.	7.26	12.25	5.24
	G.M.T.	7.28	12.25	5.22

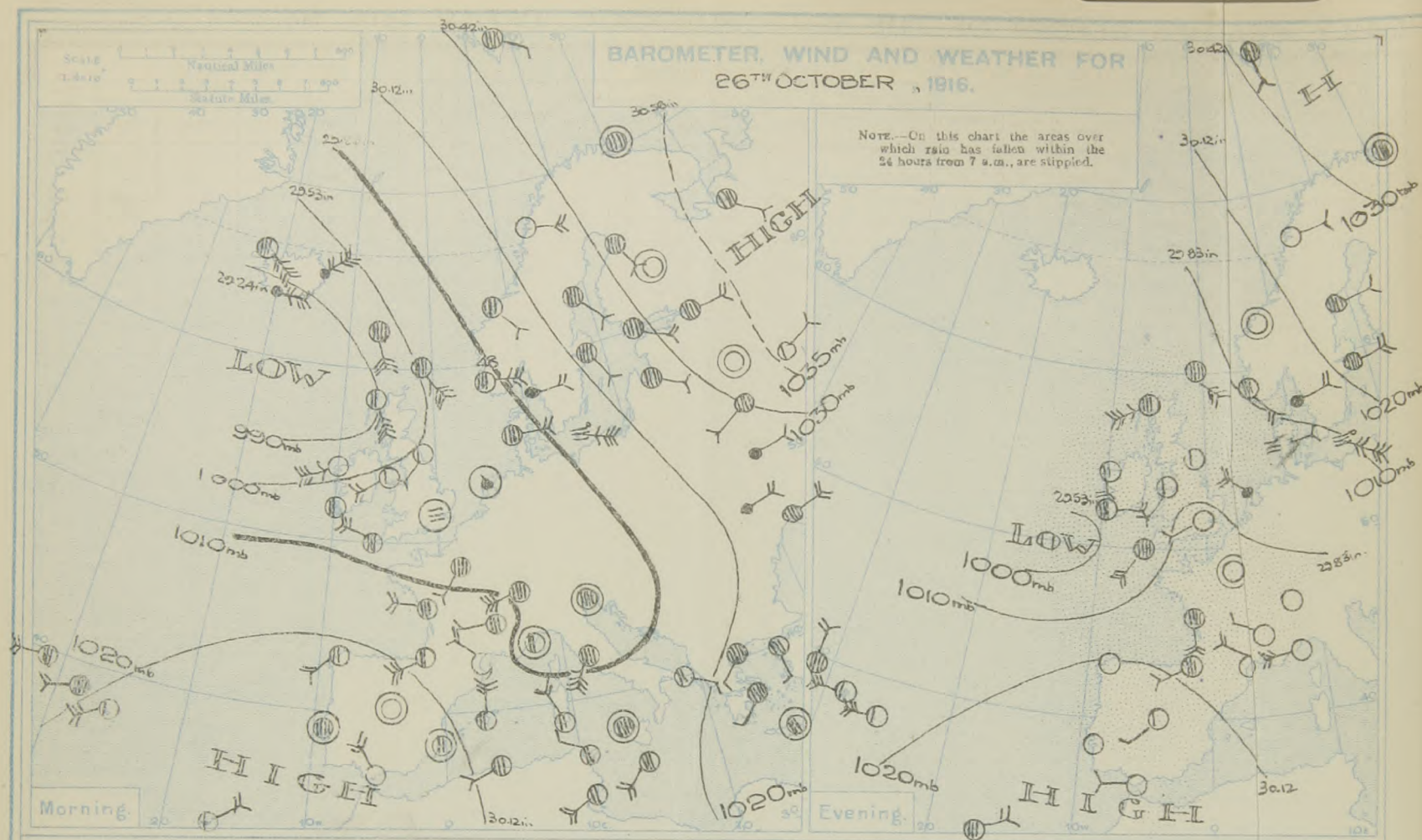
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

Rain again fell generally, but the amounts were for the most part not large. Sunshine was variable, up to 6.6 hours at Jersey. Thunderstorms occurred at Dover, and lightning was seen at Scilly and Falmouth.

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.

* 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 FRIDAY TO NOON SATURDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

South Coast hoisted yesterday at 8.30 p.m. in Dist. 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11.

Western Channel and Bay 11

0 { a } South-Easterly or Easterly winds, increasing to
b } gale force; becoming dull and rainy; temperature
1 } normal.

2 { a } South-Easterly or Southerly gales, veering,
b } some rain, fairer intervals; normal temperature.

3 { a } Easterly gales, backing Northerly; unsettled,
b } some rain; normal temperature.

4 { a } South-Easterly gales, decreasing temporarily,
b } and rising to gale force from North-West later; weather
improving; rather cool.

5 { a } Southerly or South-Westerly gales, veering;
b } some rain, fairer intervals; becoming rather cool.

6 { a } Northerly or North-Westerly gales; some rain,
b } improving; rather cool.

7 { a } Westerly gales, moderating later; high sea;
b } some rain, fairer intervals.

FURTHER OUTLOOK.

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

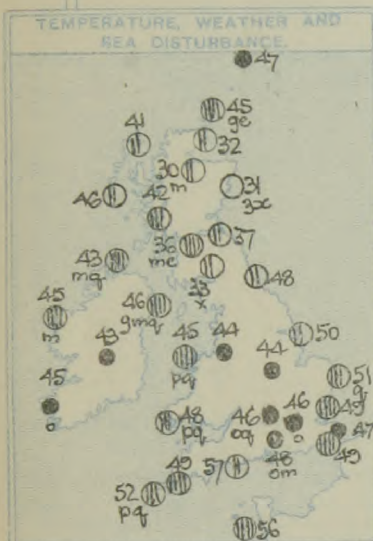
NAPIER SHAW, Director.

Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR THE MORNING OF FRIDAY, 27TH OCTOBER, 1916.

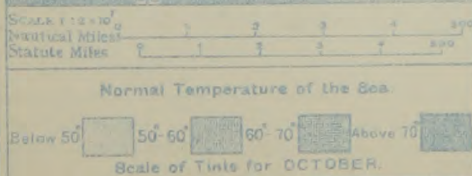
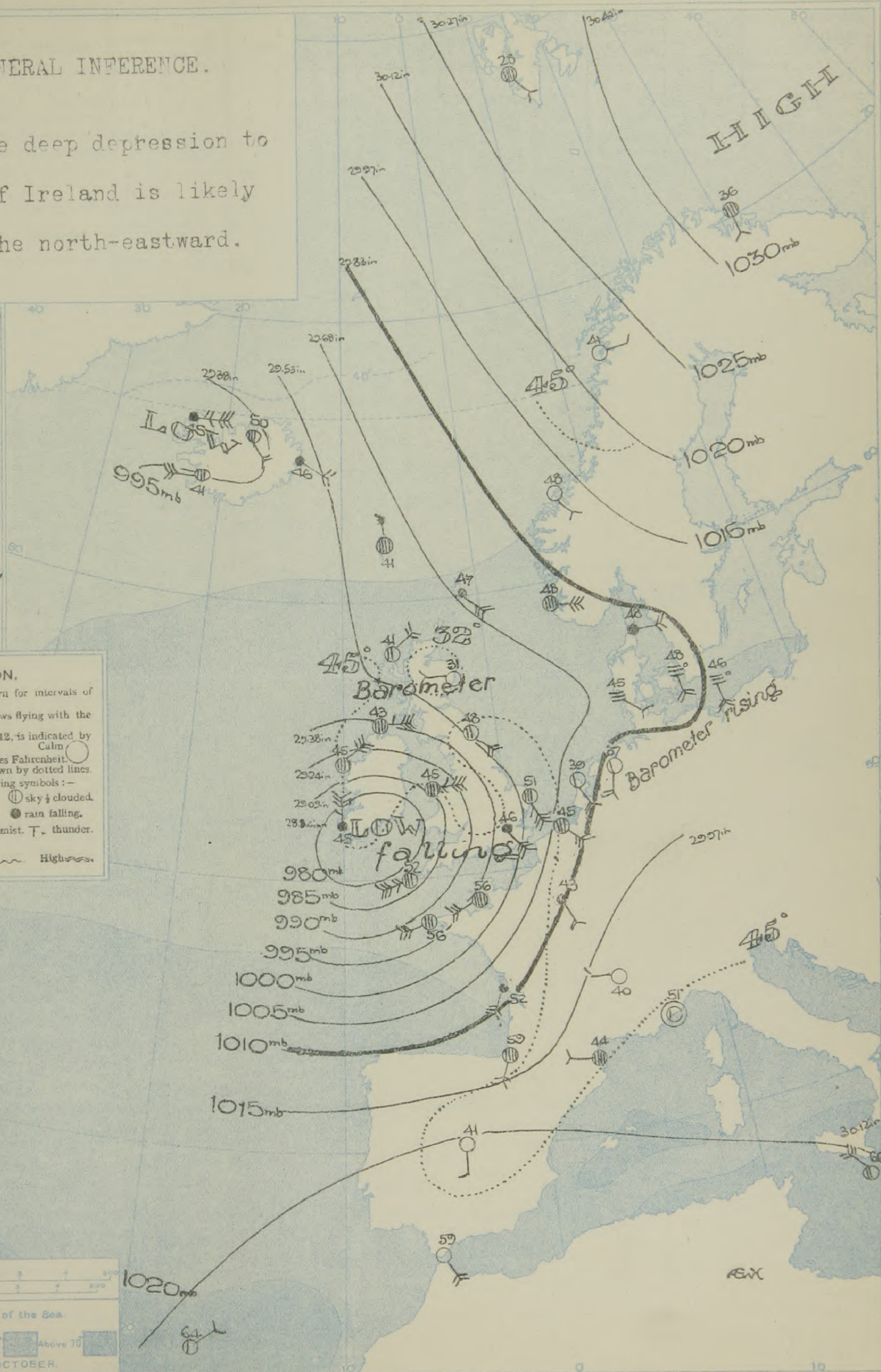
GENERAL INFERENCE.

The deep depression to the south of Ireland is likely to move to the north-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 $\frac{1}{2}$ clouded. sky $\frac{1}{2}$ clouded.
 sky $\frac{1}{2}$ clouded, overcast sky rain falling.
 * snow. Δ hail. \equiv fog. \equiv^o 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.	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.		Weather.	
RUSSIA 7 a.m. and 9 p.m. Local Time.																								
Archangel	1036.8	34	SW	2	0	1037.5	+5	34	0	SSW	2	0	-	F	F	Isafjord	996.3	48	-2	SE	9	c		
Gorki	1027.8	41	SE	2	bc	1026.7	*	34	-3	SW	2	0	-	*	37	Reykjavik	989.0	46	-2	E	4	o		
Velieki Luki	1031.4	37	-	0	0	1031.7	*	28	-9	-	0	b	-	*	28	Vestmanna	987.5	46	0	E	8	r		
Hangö	...	...	...	...	...	1029.2	0	37	0	ESE	3	0	-	*	32	Seydisfjord	997.6	41	-5	NE	8	r
Riga	1027.9	39	SE	4	0	1026.7	0	41	+4	ESE	3	0	-	*	39	Thorshavn	996.5	48	0	SSE	6	o		
Petrograd	1034.1	26	SE	5	0	1033.7	0	36	+2	E	3	0	-	41	34									
Moscow	1036.7	30	ESE	2	b	1026.0	0	27	0	ENE	2	b	-	*	25									
Kiev	1024.8	43	E	3	0	1025.1	0	43	0	E	2	r	3	*	41									
Kharkov	1027.3	41	-	0	0	1025.1	0	43	-2	-	0	o	11	*	41									
Kishinev	1022.6	45	E	1	0	1020.8	0	45	+4	E	3	r	3	*	41									
Elisabetgrad	1024.8	45	-	0	0	1024.7	0	43	0	NNE	1	0	3	*	42									
Nicolaiev	1023.8	46	-	0	e	1023.8	*	45	0	E	2	0	-	*	43									
Odessa	1024.0	48	NNE	2	b	1022.9	-1	50	+7	ESE	3	r	-	*	48									
Tarkhankout	1023.8	64	SSE	2	b	1023.0	*	54	+2	SE	4	0	-	*	52									
Soukhom	...	...	...	...	...	...	...	...	...	...	...	...	-	*	*
MEDITERRANEAN.																								
Venice	1012.1	54	E	1	b	1006.8	*	57	+5	-	0	0	16	61	52									
Pesaro	1011.3	?	-	0	c	1008.2	*	61	+9	S	1	0	11	63	57									
Rome	1013.4	64	SE	3	0	1012.7	*	64	+5	SW	7	0	22	68	64									
Viesti	1014.8	68	SE	6	b	1013.0	*	64	-6	SE	2	bc	-	68	52									
Brindisi	1017.2	64	SE	1	c	1015.4	*	66	+2	SE	1	b	1	70	60									
Cagliari	1009.9	68	SE	3	b	1013.9	*	61	0	NNW	4	bc	-	70	48									
Palermo	1014.2	73	?	?	b	1026.3	*	72	+2	-	0	0	-	75	59									
Tripoli	1017.2	86	SSE	2	0	1017.6	*	72	-3	SSE	1	b	-	91	66									
Algiers	1012.8	70	W	2	b	1018.0	+4	63	-5	WSW	2	c	1	81	63									
SWEDEN.																								
Hernösand	...	...	...	...	...	1028.7	*	39	0	ESE	2	0	*	*	*							
Stockholm	...	...	...	...	...	1024.0	*	34	-5	SE	2	0	*	*	*							
Wisby	...	...	...	...	...	1021.3	*	45	-8	SE	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	—
Linnassol ...	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-1h.	Day. 1h-12h.	Max.	Min.	Forenoon.	Afternoon.				Night. 12h-1h.	Day. 1h-12h.	Max.	Min.	Forenoon.	Afternoon.	
		Mm.	Mm.	F.	F.			Hr.			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	—	1	50	45	bcp	bcp	0.9	England, E.	Lowestoft	Trace	—	51	44	o c bc	bc	1.7
	Banff	—	—	52	38	bc	bc c	5.8		Felixstowe	—	—	54	43	om bc	bem	5.9
	Montrose	—	—	51	37	b	b	6.1		Walton-on-Naze	—	—	—	—	—	—	—
	Carnoustie	*	*	—	—	—	—	—		Southend-on-Sea	—	—	56	40	b	b	6.6
	St. Andrews	—	—	—	—	—	—	—		—	—	—	—	—	—	—	—
Eng. N.E.	Harrogate	3	—	51	35	b	b	7.2	England, S.E.	Margate	2	—	54	47	c bc b	b bc	4.2
	Skegness	—	—	53	38	m o b	b	5.0		Ramsgate	5	—	53	44	o	bc	3.9
Eng. N.W.	Morecambe	—	1	48	38	—	—	7.2		Hastings	3	—	56	45	b	b	7.6
	Southport	?	?	54	?	b bc b	b	?		Eastbourne	4	—	56	46	b	b	8.0
Midlands.	Leamington Spa	—	—	53	30	b	b	7.8		Seaford	*	*	55	45	b	b	7.6
	Malvern	—	—	53	35	b	b	8.7		Brighton	1	—	55	48	b	bc	8.4
	Ross-on-Wye	—	—	55	33	b	b	8.3		Worthing	2	—	56	40	bc	b	8.0
Wales.	Rhyl	—	—	53	34	bc	b bc	7.0	England, S.W.	Littlehampton	2	—	56	40	b	b	7.5
	Colwyn Bay	—	—	51	40	b bc	bc	8.5		Bognor	*	*	56	40	b	b	7.5
	Llandudno	*	*	52	43	b	b	8.5		Bournemouth	—	—	55	37	b	b	8.5
	Aberystwyth	*	*	53	45	m o c	b bc	7.0		Weymouth	*	*	56	42	z b	bc	8.6
	Tenby	2	1	54	43	bcp	p bc	6.5		Torquay	—	Trace	54	40	bp	b bc	7.2
										Paignton	*	*	56	32?	b bc	bc	7.9
									Penzance	1	—	56	44	bc	bc c	6.8	
									Newquay	2	—	55	46	b	b	6.6	
									Bude	1	Trace	56	45	b	b	7.3	
									Ilfracombe	—	—	—	—	—	—	—	
									Weston-s-Mare	1	2	54	40	c bcp b	p b bc	3.0	

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

	Sunrise.	Noon.	Sunset.
27 th 28 th October, 1916.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.41 6.03	11.37 11.37	4.33 4.31
Greenwich ...	6.46 6.08	11.44 11.44	4.42 4.40
Wick ...	7.17 7.20	11.56 11.56	4.28 4.25
Valencia ...	7.28 7.30	12.25 12.25	5.22 5.20

NOTES ON YESTERDAY'S WEATHER.

Heavy rain fell in the night in the west and south-west, but sunshine measurements were generally good; up to 8.7 hours at South Farnborough. Night frosts were experienced in parts of Scotland.

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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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 302

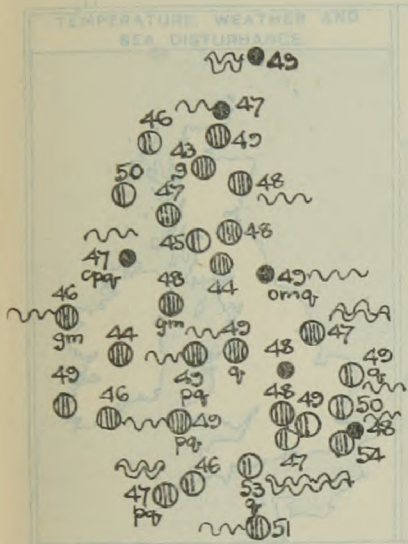
Saturday
28th October

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 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	1000.5	48	ESE	7	r	997.3	0	49	+2	ESE	6	-	r	7	7	49	45	op	r	bc.o	2			
Deerness (Orkney)	997.9	47	SE	4	bc	992.2	-	47	+2	ESE	4	-	or	3	3	48	45	o	o.c bc	bc.or	02			
Stornoway	994.4	45	ESE	3	o.	989.1	-1	46	+5	ESE	3	-	bc	3	1	49	40	bc	d.c.o	o.b.c	24			
Castlebay (Barra Isd.)	991.3	47	NE	4	o	987.6	0	50	+4	NE	3	-	bc	3	1	50	45	c.o	o	op.bc	05			
Glasgow	987.7	45	ENE	4	om.	983.9	-1	45	+9	NE	3	SE	bc	1	47	36	c.omp	omp	o.c.b.c	00				
Esksdalemuir	987.5	44	ESE	4	c	982.5	-3	44	+11	NNE	4	-	o	4	46	33	bc.or	ogc.bc	pg.cq	00				
Malin Head	984.6	45	NE	8	omrg	985.6	+2	47	+4	NNE	5	E	cq	5	7	47	43	omrg	omrg	cq	00			
Blackod Point	987.0	45	NE	8	omrg	990.2	+1	46	+1	N	7	N	omrg	6	8	46	43	omrg	omrg	omrg	00			
Valencia	988.1	49	NW	7	o	996.2	+3	49	+4	W	6	NW	c	5	13	50	45	org	org	o.b.c	00			
NORTHERN EUROPE.																								
Roche's Point						994.4	*	46	-	W	3	-	o	4	1	51	46	org	or	op.o	00			
Birr Castle	978.8	46	NNW	3	r	990.6	*	44	+1	W	3	-	o	*	6	50	41	org	or	or.o	00			
Donaghadee	980.9	49	E	7	omrg	983.5	+2	48	+2	ENE	3	-	ogm	2	11	50	43	omrg	omrg	omrg	00			
Liverpool (Bidston)	980.2	48	ESE	5	o	980.6	+8	49	+5	WSW	6	W	og	5	54	44	44	opq	bcq	og	21			
Holyhead	975.3	48	SE	7	opq	983.7	+7	49	+4	NW	7	NW	opq	6	10	54	45	opq	opq	or.b.c	08			
Pembroke (St. Ann's)	972.7	50	SSW	9	opq	990.4	+5	49	+1	W	6	-	opq	6	16	53	46	opq	opq	opq	00			
SOUTHERN STATIONS.																								
Scilly (St. Mary's)	984.7	50	W	9	omrg	997.2	+4	47	-5	WNW	6	W	cq	8	9	53	47	omrg	omrg	op.cq	00			
Falmouth	984.6	49	WSW	8	opq	996.3	+4	46	-3	SSW	5	-	bc	*	13	53	45	opq	opq	opq	08			
Jersey (St. Aubin)	994.5	53	SW	6	bc	999.8	*	51	-5	WSW	6	SW	c	5	3	59	49	bcq	bc	bcq	37			
Portland Bill	998.7	56	SW	9	cq	993.0	+3	53	-4	WSW	8	SW	bcq	7	8	58	50	bcq	cq	cq	00			
Dungeness	994.5	54	SSW	6	cq	993.9	+4	54	+5	SSW	8	SW	c	7	17	56	47	bcq	grh	grh	00			
Dover	995.2	52	S	7	r	996.3	+4	48	+1	SSW	5	SW	r	6	26	54	45	ogpr	ogpr	ogpr	00			
Wick	997.2	48	SE	5	bc	991.0	-1	49	+17	ESE	5	-	o	5	1	50	32	bcz	z bc	comp	00			
Nairn	994.0	44	E	3	od	988.7	*	43	+13	E	1	-	og	2	1	45	29	bc.m.c	cgd.o	dgop	28			
Aberdeen	993.9	48	E	6	r	988.8	-1	48	+17	ESE	6	-	o	5	5	50	30	bcz.c	c.og	op	18			
Leith	988.4	48	E	2	c	983.7	-1	48	+11	E	2	-	o	3	2	49	36	bc.or	r.o.c	cod.o	00			
Tynemouth	988.9	50	SSE	5	omrg	981.7	-4	49	+1	SE	5	-	omrg	5	3	50	47	omrg	omrg	omrg	00			
Spurn Head	990.2	49	S	7	bc	983.4	-2	47	-3	S	8	-	o	8	3	52	44	og	or.b.c	o.og	04			
Yarmouth	984.9	51	S	7	bcq	992.9	+2	49	-2	SSW	6	-	bcq	6	9	52	46	omr	omr	or.b.c	00			
Clacton-on-Sea	994.6	52	SSE	5	c	993.5	+3	50	+1	SSW	4	SW	bc	4	4	53	49	og	og	cq	00			
Nottingham	987.6	49	SE	4	b	984.2	*	48	+4	SW	5	SW	r	4	4	56	44	r.o.c	bc	b.c	29			
Benson (Oxon.)	988.7	49	S	5	bc	991.0	+5	48	+2	SSW	6	-	o	*	11	57	45	bcq	bc	bc	00			
Sth Farnborough	990.6	50	SSW	6	c	992.5	+5	47	-1	SSW	6	SW	bc	*	8	57	46	or.b.c	c.b.c	or.b.c	33			
London (Kew Obs.)	991.4	50	SSW	3	b	992.9	+5	49	+3	SW	5	SW	bc	*	14	56	46	or.b.c	or.b.c	or.b.c	23			
FRANCE, &c.																								
Spitsbergen	1023.1	25	NE	2	o	1018.4	0	30	+2	SSE	3	-	o	*	*	30	23	UPPER AIR.						
Vardö	1031.9	37	SW	4	o	1027.9	-1	45	+9	WSW	2	-	b	2	*	40	30	South Farnborough.						
Bodö	1022.3	41	E	2	b	1021.0	0	41	0	E	5	-	c	2	-	43	37	Pilot Balloon Ascent at 7.15h.						
Christiansund	1011.0	50	SSE	4	c	1011.3	0	48	0	E	1	W	b	3	-	52	46							
Skudesnaes	1006.6	46	ESE	6	o	1005.2	-1	50	+2	ESE	7	-	o	5	-	50	45	1800 metres. SW's 22 mps						
Færd (X'aniafjord)	1012.8	48	SE	6	o	1015.9	0	45	0	ESE	6	-	c	3	12	48	43	1500 " SW's 22 "						
The Scaw (Skagen)	1011.9	48	SE	3	r	1013.2	0	46	-2	ESE	5	E	bc	5	4	48	45	1200 " WSW 22 "						
Blaavands Huk	1009.6	46	S	3	c	1005.3	0	45	0	SSE	5	-	r	4	4	52	43	900 " WSW 20 "						
Copenhagen	1015.4	46	WSW	2	b	1013.6	-1	46	-2	SE	5	-	m	1	Trace	48	45	600 " SW's 20 "						
Bornholm	1017.9	46	S	3	m	1016.2	-1	45	-1	SE	4	-	m	1	-	50	41	300 " SW 15 "						
SOUTHERN STATIONS.																								
The Helder	1001.5	48	SSE	5	o.	998.3	-2	48	+9	SSE	7	-	c	3	2	50	39	Surface SW. 7. "						
C. Gris Nez	996.7	49	SSE	5	b	996.6	+3	52	+7	SW	8	-	r	8	9	54	45							
La Hève	?	55	SSW	7	c	?	*	50	+2	SW	7	-	c	6	2	57	45							
Brest (St. Mathieu)	993.9	53	WSW	8	o	1002.4	+1	50	-6	W	7	-	o	7	9	59	45							
Rochefort (Ile d'Aix)	1007.0	55	WSW	7	o	1010.6	0	54	+2	W	6	-	o	*	4	59	52							
Biarritz	1011.8	59	WNW	4	o	1015.7	+2	57	-2	WSW	5	-	o	6	8	63	54							
FRANCE, &c.																								
Paris	1003.4	52	S	3	b	1006.3	+2	48	+5	SSW	3	SW	bc	*	1	55	43	GALES						
Belfort	1013.9	45	E	2	r	1015.8	*	45	-	WSW	4	-	o	*	15	50	43	Duration and Extreme Force						
Lyons	1014.1	48	S	2	r	1015.3	*	49	+9	-	0	-	r	*	5	57	40	in British Islands.						
Nice	1018.3	52	E	2	o	1016.4	-1	52	+1	E	2	-	r	4	33	61	46	Malin Head: NE 8. 27h						
Perpignan	1014.0	50	-	0	b	1015.8	+1	50	+6	WSW	1	SW	c	*	-	59	44	Blackod Point: NE 8. 8h-5h						
Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Donaghadee: E 8. 16h-18h. 27h						
SOUTHERN STATIONS.																								
Corunna	1015.3	55	SW	6	o	1020.3	0	54	-5	WSW	8	-	o	4	1	61	48	Holyhead: E-SSE 8. 7h-13h. 27h						
Madrid																		St. Ann's Head: SSW 9. 7h-13h						
Lisbon																		W. 8. 13h-4h						
Azores (Horta)	1027.1	*	NNE	4	o.													Scilly: WSW 8. 7h-13h. 27h						
Madeira	1021.6	70	N	3	c	1023.1	0	64	0	N	3	-	b	3	-	73	64	Falmouth: SW 8. 7h-13h. 27h						
Gibraltar	1018.9	61	W	4	b	1026.6	*	60	+1	NW	4	-	b	2	-	69	57	Jersey: SW 8. early morning of 28th						
Malta	*	*	*	*	*	1023.1	+2	63	-3	-	0	NW	b	0	-	70	61	Portland: SSW-WSW 8. 7h-7h						
Limassol	*	*	*	*	*	1016.7	+1	70	0	-	0	-	b	1	-	84	54	Dungeness: SSW 8. midnight to 7h						
Alexandria	1019.0	72	NNE	2	b	1019.4	0	72	-3	-	0	-	b	0	-	79	66	Dover: S 8. 21h-4h. 5.10 at 22h						
Cairo (Helwan)	1017.1	73	NE	4	b	1017.5	+2	68	-2	N	3	W	bc	*	-	86	66	Aberdeen: gust E 18 mps @ 18h						
LONDON OBSERVATIONS.																								
Humidity.		Sun- shine		24 HOURS ENDED 9 h. To-Day.		TEMPERATURE.		WEATHER.		SOUTH KENSINGTON.														
15h. Yester- day.	9h. To-day.	Hours.	F.	F.	F.	mm.	Morn- ing.	After- noon.	Night.	Vertical Component of Solar Radiation per square Centimetre during Yesterday.														
													Total.	Average Rate.	Max. Rate.									
													Joules. 291	Milliwatts. 8.1	Milliwatts. 36.0									
													Temperatures at Greenwich and Cam- den Square are from Glaisher screens.											
GREENWICH (Royal Observatory)	73	72	0.8	55	45	41	10	o.c	o.b.c	o.c														
CITY (Bomhill Row)	*	*	1.1	56	47	43	15	r.b.	b	r.b.c														
WESTMINSTER (St. James's Park)	69	71	1.4	566																				

SYNOPTIC CHART FOR THE MORNING OF SATURDAY, 28th OCTOBER, 1916.

GENERAL INFERENCE.

The depression over the north of England will move across to the North Sea.



EXPLANATION.

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

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

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

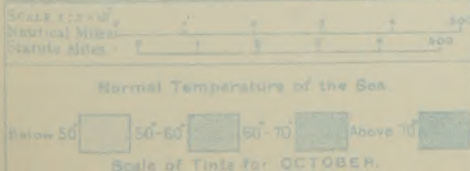
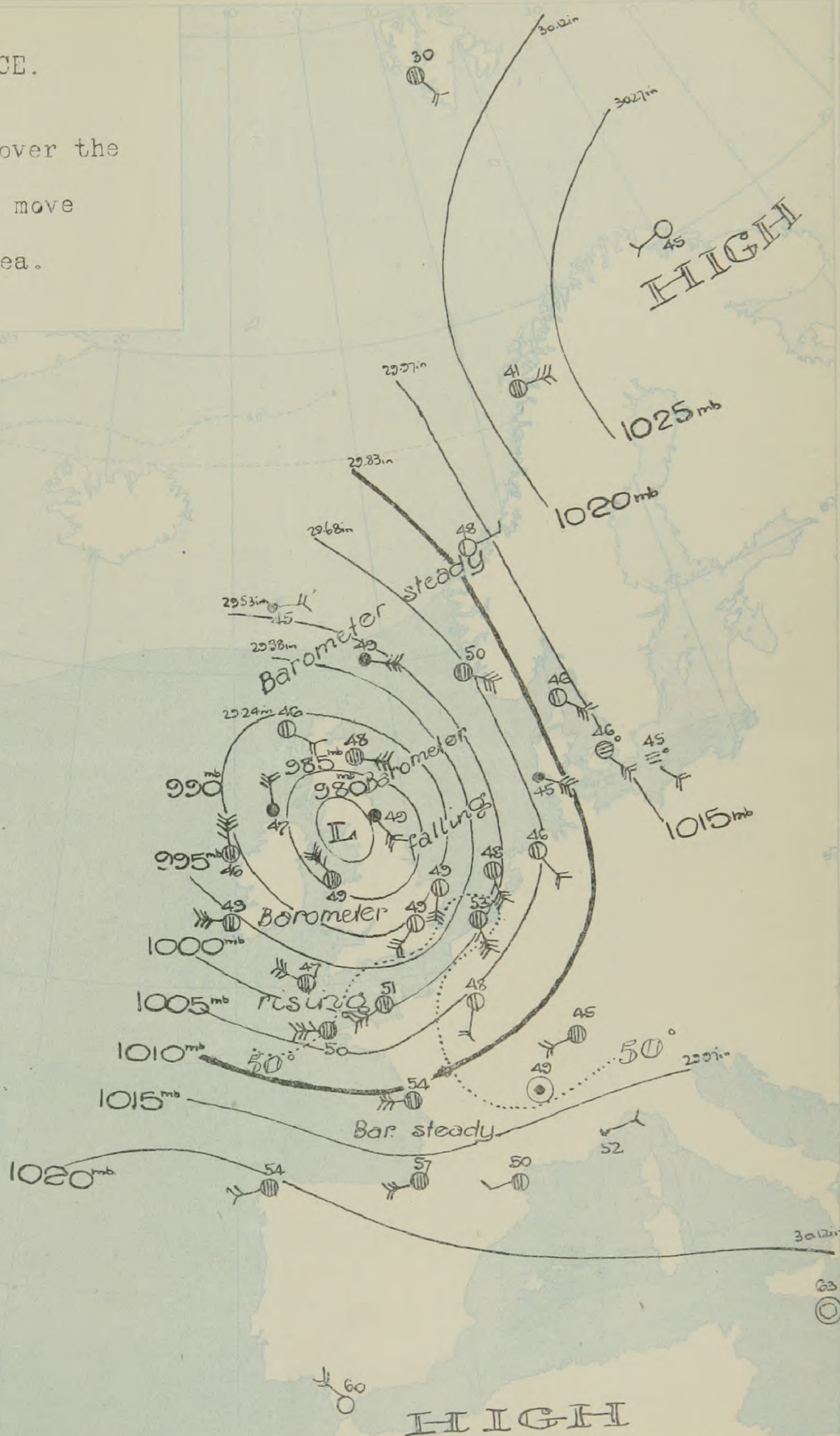
TEMPERATURE.—Given in degrees Fahrenheit.

Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—

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

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



REPORTS FOR YESTERDAY.

STATIONS.	PREVIOUS EVENING.					MORNING.							PAST 24 HOURS.				MORNING.						
	Barom. Millibars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETEE.		TEMP.		WIND.		Weather.	Rain-fall. Millimetres.	TEMP.		ICELAND.	Barom. Millibars at M.S.L.	TEMP.		WIND.		Weather.	
			Force 0-12.			Millibars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1028.2	32	S	2	0	1035.5	0	32	-2	SSE	2	0	-	23	Isafjord ...	991.1	45	-3	E	9	r	
	Gorki ...	1026.7	29	WSW	3	0	1028.4	*	41	+7	SE	2	b	-	30	Reykjavik ...	991.7	43	-3	-	0	r	
	Velieki Luki ...						1033.7	*	27	-1	-	0	b	-	27	Vestmanna ...	995.8	41	-5	W	5	c.	
	Hangö ...	1029.9	41	ESE	3	0	1029.6	0	39	+2	SE	4	0	-	37	Seydisfjord ...	999.0	46	+5	SE	4	r	
	Riga ...	1027.1	26	ESE	4	b	1027.4	0	29	-2	ESE	4	0	-	36	Thorshavn ...	1004.3	41	-7	N	1	0.	
	Petrograd ...	1034.9	32	E	2	b	1036.0	+2	28	-8	E	2	b	-	37								
	Moscow ...	1034.9	32	ENE	2	b	1034.6	0	27	0	NNE	2	b	-	27								
	Kiev ...													*	*								
	Kharkov ...													*	*								
	Kishinev ...													*	*								
	Elisabetgrad ...													*	*								
	Nicolaiev ...							*						*	*								
MEDITERRANEAN.	Venice ...	1012.6	57	SSW	1	bc	1016.0	*	52	-5	N	2	c	-	66	50	British Isles ...			b.	h.		
	Pesaro ...	1013.7	57	-	0	c	1016.7	*	55	-6	W	2	b	-	70	55	France ...			7	18		
	Rome ...	1016.6	57	-	0	c	1018.2	*	52	-2	-	0	b	-	66	50	Norway ...			7	18		
	Viesti ...	1013.0	61	W	1	0	1014.9	*	59	-5	NW	3	0	3	72	55	Sweden ...			7	17		
	Brindisi ...	1014.0	66	SW	2	0	1015.4	*	59	-7	NW	2	r	11	77	59	Denmark ...			7	18		
	Cagliari ...	1016.7	68	SE	2	0	1021.0	*	54	-7	NW	2	b	-	68	46	Holland ...			7	18		
	Palermo ...	1017.6	68	SSE	1	0	1021.2	*	63	-9	S	1	bc	3	79	57	Italy ...			7	20		
	Tripoli ...	1016.1	73	ESE	3	b	1021.6	*	73	+1	NE	4	c	-	84	70	Egypt ...			6	18		
	Algiers ...	1023.4	62	-	0	b	1021.5	+1	61	-2	WSW	1	bc	1	70	59	Corunna... ..			7	16		
SWEDEN.	Hernösand ...	1029.9	39	E	2	0	1029.1	*	39	0	-	0	0	*	*	*	Madrid ...			8	16		
	Stockholm ...	1024.3	45	E	4	0	1023.1	*	43	+9	ESE	4	0	*	*	*	Lisbon ...			7	21		
	Wisby ...	1020.3	48	ESE	4	0	1019.3	*	43	-2	SE	6	0	*	*	*	Azores ...			8	17		

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-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night. 12h-6h.	Day. 6h-12h.	Max.	Min.	Forenoon.	Afternoon.				
Scotland.	Oban ...	-	-	48	40	c	c.or	0.0	England, E.	Lowestoft ...	1	1	52	40	or	cgr.c	0.0	
	Barff ...	-	Trace	49	26	bc	bc.or	4.2		Felixstowe ...	1	3	52	39	oyp	bc	0.0	
	Montrose ...	-	3	49	28	c	r	2.0		Walton-on-Naze ...	-	-	54	42	o	o.c.bc	0.6	
	Carnoustie ...	-	-	-	-	-	-	-		Southend-on-Sea ...	-	-	54	42	o	o.c.bc	0.6	
	St. Andrews ...	-	2	49	29	cp	cp	0.0		Margate ...	1	7	53	43	c	orth	0.0	
Eng. N.E.	Harrogate ...	1	8	48	30	r.o	0.0	England, S.E.	Ramsgate ...	2	5	52	38	r	orth	0.0		
	Skegness ...	1	Trace	53	38	or	o.bc.rl		0.7	Hastings ...	1	4	56	43	or.c	thr.o	0.3	
Eng. N.W.	Morecambe ...	-	-	-	-	-	-		England, S.W.	Eastbourne ...	2	3	56	42	bc.or	oqr.bc	1.1	
	Southport ...	1	Trace	54	37	od.o	o.c.o			1.5	Seaford ...	*	*	56	43	or	o.o	1.1
Midlands.	Leamington Spa ...	2	1	58	34	c.bcp	bc.cp			2.8	Brighton ...	4	-	56	43	o.c	c	1.1
	Malvern ...	2	6	55	40	orth	q			0.1	Worthing ...	6	3	58	40	o.bc	chp.c	2.2
	Ross-on-Wye ...	6	5	55	40	orth	or			1.4	Littlehampton ...	7	Trace	57	?	bcu	pu	1.0
Wales.	Rhyl ...	1	Trace	55	36	or	c.bc			2.3	Bognor ...	*	*	56	45	bc	r	2.9
	Colwyn Bay ...	*	*	54	42	cp	p.c			1.8	Bournemouth ...	11	2	57	42	c.or	or	4.8
	Llandudno ...	*	*	55	40	p-cp	p			1.6	Weymouth ...	*	*	56	47	c.bc	cp.o	2.7
	Aberystwyth ...	*	*	51	43	ac	o.or	1.0		Torquay ...	8	3	56	47	c.bc	cp.o	2.7	
	Tenby ...	12	19	55	47	r	q	0.0		Paignton ...	*	*	57	38	cp	cp	0.0	

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

28 th & 29 th October, 1916.	Sunrise.		Noon.		Sunset.	
	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.43	11.37	12.31	12.31	6.44	11.36
Greenwich ...	6.48	11.44	12.40	12.40	6.49	11.39
Wick ...	7.20	11.56	12.31	12.31	7.22	11.30
Valencia ...	7.30	12.28	5.20	5.20	7.31	12.28

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.

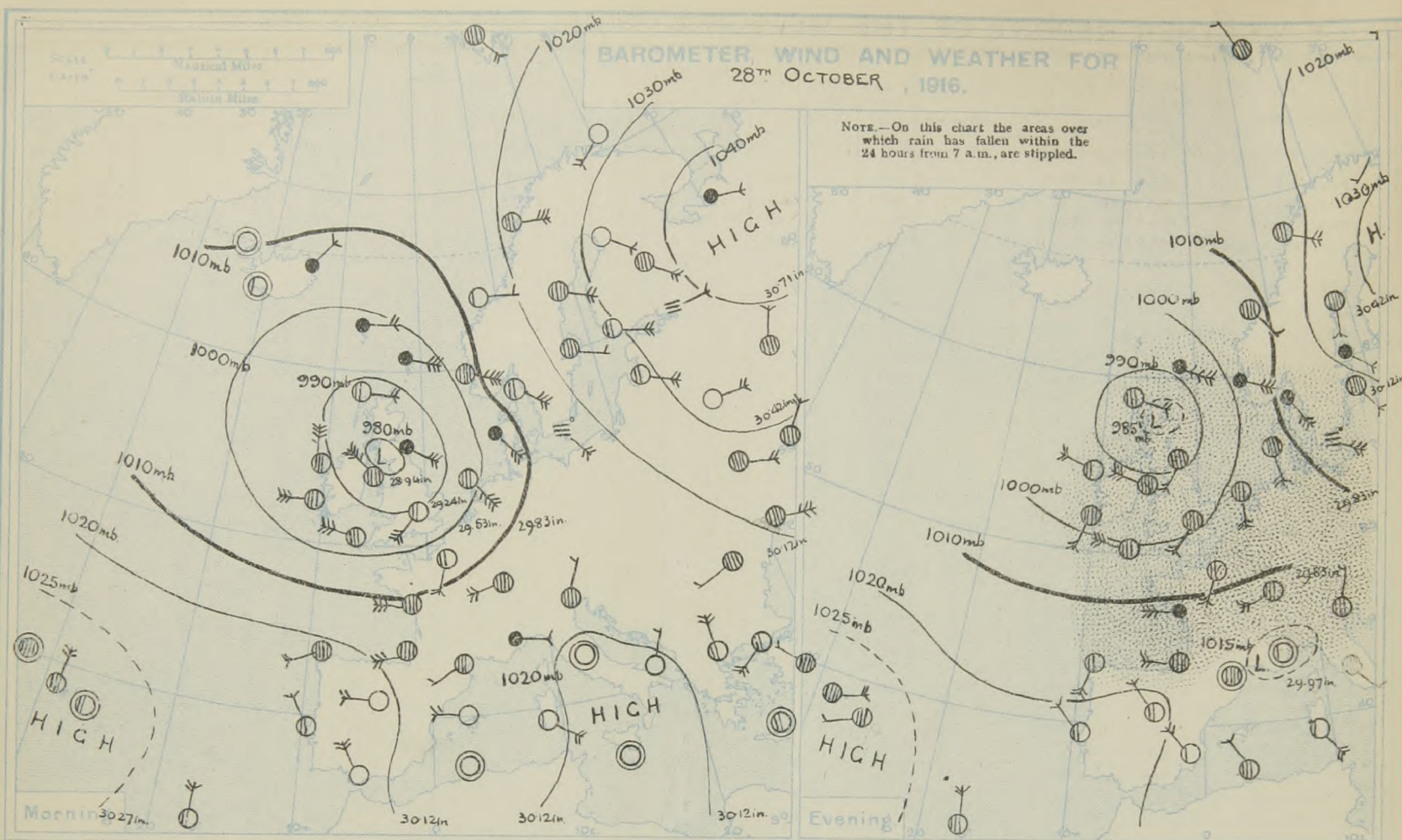
NOTES ON YESTERDAY'S WEATHER.

Rain fell generally, 26 mm. at Dover.
Thunderstorms were experienced at various places in the Midlands and south-east of England yesterday.

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1916. No. 303. Sunday, 29th October.

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 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.			
BRITISH ISLANDS.	Lerwick	991.4	48	ESE	8	r	990.5	+3	49	0	SSE	5	—	dp	6	9	50	46	dp	dp	dp	*	
	Deerness (Orkney)	984.7	49	E	5	r	988.8	*	47	0	S	3	—	b	4	10	50	46	or. bc	or	or. bc. b	0.7	
	Stornoway	986.0	48	ESE	2	c	985.6	+1	47	+1	SSW	4	—	dp	4	4	53	36	bc	bc	b. dp	5.8	
	Castlebay (Barra Isd.)	986.5	47	—	0	b	987.2	+1	50	0	SW	3	—	bc	4	2	55	45	bc. bz	bz. b	bc	7.1	
	Glasgow	986.4	46	WSW	2	c	991.1	+2	38	-7	ESE	1	SW	bc m	*	4	49	38	c. omp	om. c	bc. dp. b	0.0	
	Eskdalemuir	987.6	45	SW	2	ad	992.7	+1	38	-6	—	0	SW	bc	*	1	47	35	dp	dp. d	ad. dp. c	0.0	
	Malin Head	987.3	48	WNW	4	cmp	987.9	+1	41	-6	S	3	SW	bc	4	8	52	39	cq. p	bc. p	bc	3.3	
	Blackod Point	992.0	48	WNW	4	bc	988.1	+1	41	-5	E	1	—	bc	2	0.2	49	40	bc	bc. p	bc	*	
	Valencia	996.1	46	SSW	3	dp	987.3	+10	47	-2	NNW	4	—	o	4	9	52	45	c. dp	c. bc. c. o	or. c. o	4.0	
	Roche's Point	997.7	47	WSW	3	bc	982.2	*	47	+1	NNW	4	—	o	4	11	53	45	c. bc	bc	bc. or. o	*	
	Birr Castle	994.3	45	SW	2	c	983.2	*	43	-1	NW	1	—	r	*	5	52	39	c	c	c. or	5.3	
	Donaghadee	989.2	47	W	4	cgm	986.5	-3	46	-2	SSE	3	—	omr	2	5	50	40	ogmr	cgm	cgm. or	0.0	
	Liverpool (Bidston)	992.4	47	SW	5	o	990.0	-4	43	-6	SE	4	—	or	3	3	50	40	dp	ad	or	0.0	
	Holyhead	992.5	50	WNW	6	cq.	986.8	-5	45	-4	ESE	4	—	orm	3	4	51	45	dp. c. q.	o. dp. q.	c. b. p. r.	0.1	
	Pembroke (St. Ann's)	997.7	52	WSW	4	cq. p	983.1	-5	52	+3	SW	4	—	or	5	17	53	46	ogp	cq. p	cq. q. r.	1.5	
NORTHERN EUROPE.	Scilly (St. Mary's)	1002.0	50	WNW	5	c	988.1	-3	50	+3	WNW	7	W	cq.	7	14	53	45	cq. p	bc. q.	cr. omr	3.9	
	Falmouth	1001.5	47	WSW	3	b	986.9	+1	50	+4	WSW	4	—	c	*	15	54	44	dp. bc. q.	bc. q.	b. q. d. y.	6.9	
	Jersey (St. Aubin)	1003.6	49	WSW	4	b	991.5	*	53	+2	SSW	5	—	or	4	17	53	47	bc. q. p	q. p	b. q. p. r.	1.0	
	Portland Bill	1000.1	52	W	5	b	988.6	-10	53	0	SSE	7	S	or	6	5	55	50	cq. p	cp	bc. c. o	*	
	Dungeness	999.0	52	SW	7	c	998.4	-5	51	-3	S	5	S	bc. q.	5	13	56	47	r. q. r.	cq. r. c	cq. p. bc	*	
	Dover	1001.0	50	SW	5	o	998.6	-3	46	-2	SSE	6	S	o	6	11	53	45	r. o. ch	or. n. c	c. b. r. o	1.2	
	Wick	984.2	50	ESE	3	o	988.4	+3	47	-2	S	3	—	bc	4	11	50	44	m. h. p. q.	omp	or. bc	*	
	Nairn	984.2	46	ESE	1	ou	988.4	*	40	-3	—	0	—	c	1	1	49	38	dp. g	bc. o	ad. c	0.4	
	Aberdeen	983.1	47	W	2	cp	991.3	+2	44	-4	S	4	W	b	4	5	50	42	dp. q.	dp. c	c. bc. b	0.0	
	Leith	985.4	47	W	1	c	991.3	+1	42	-6	SE	1	S	b	1	6	49	40	ad. o	ad. o. c	c. dp. b	*	
	Tynemouth	988.0	49	SW	3	ogm	993.8	+2	42	-7	SSW	2	—	bc. m	4	3	49	41	omr	omr	bc. m	*	
	Spurn Head	993.4	49	WSW	5	cq.	995.6	-1	43	-4	S	4	—	bc	4	0.3	52	43	og.	o. q.	bc	0.2	
	Yarmouth	998.9	48	SSW	4	c	999.6	-3	46	-3	S	3	—	bc	3	1	54	41	bc. q.	bc. q.	bc. p	5.6	
	Clacton-on-Sea	998.8	50	SSW	4	bc	998.6	-2	50	0	SSE	4	S	bc	3	—	54	47	bc	bc	bc	6.4	
	Nottingham	995.1	48	SW	3	c	994.3	*	41	-7	ESE	2	S	c	*	3	52	38	r. o. c	o. c	c. b	0.7	
Benson (Oxon.)	998.5	44	SW	3	c	992.8	-4	45	-3	ESE	4	—	o	*	2	50	39	or	p. bc	bc. o	*		
Sth Farnborough	999.1	47	W	5	c	993.0	-7	49	+2	SSE	4	—	o	*	0.2	55	41	c. o	o. c. dp. o	c. b. o	6.6		
London (Kew Obsy.)	999.4	49	SW	3	o	994.9	-6	47	-2	SE	3	S	o	*	Trace	54	41	bc. bc. o	o. c. dp. o	bc. bc. o	4.7		
FRANCE, &c.	Spitsbergen	1016.2	30	NNW	1	o	1010.7	-2	34	+4	S	5	*	r	*	34	28	UPPER AIR. South Farnborough. Pilot Balloon Ascent at					
	Vardö	1026.1	36	SW	1	r	1023.8	0	32	-13	SW	3	N	b	3	*	45	32	GALES Duration and Extreme Force in British Islands. Lerwick: 28 th - 29 th 9h 28 th - 1h 29 th ESE. 8. Scilly: 28 th and 29 th 9h 28 th Squall WNW. 8. 6h 29 th Squall WNW. 8. Portland: 28 th 7h-8h WSW. 8. Dungeness: 28 th 7h-13h SSW. 8. Dover: 28 th 11h Ext SSW. 8. Yarmouth: 28 th 4h and 8h Squalls S. 8 1h Squall S. 9.				
	Bodö	1018.7	45	ESE	4	c	1015.3	-1	41	0	E	5	—	b	2	—	45	39					
	Christiansund	1007.4	52	SE	1	o	1005.7	0	50	+2	SSE	4	—	c	3	—	52	46					
	Skudesnaes	1001.5	48	ESE	6	r	1003.5	0	48	-2	ESE	5	—	o	5	16	50	46					
	Færder (X'ania Fjord)	1012.2	46	ESE	6	r	1010.9	-1	45	0	SE	6	SW	r	3	7	48	45					
	The Scaw (Skagen)	1010.9	46	SE	5	r	1009.0	0	46	0	SE	5	—	r	5	9	48	46					
	Blaavands Huk	1006.0	46	SSE	3	o	1005.5	0	46	+1	S	3	—	c	4	Trace	50	43					
	Copenhagen	1012.7	46	SSE	3	o	1010.6	0	48	+2	SSE	3	—	o	*	5	48	46					
	Bornholm	1014.9	46	SE	4	m	1013.0	-1	45	0	SE	3	—	r	1	1	48	43					
The Helder	1001.9	48	S	4	c	1003.4	+2	43	-5	S	4	—	o	3	2	55	43						
C. Gris Nez	1001.2	52	SW	7	c	1000.3	-3	41	-11	SSE	4	*	c	3	5	52	39						
La Hève	?	54	SW	7	c	995.1	*	46	-4	SE	5	*	r	6	1	55	45						
Brest (St. Mathieu)	1006.4	51	W	5	c	993.7	0	54	+4	WNW	7	*	c	7	9	54	50						
Roche fort (Ile d'Aix)	1011.1	53	W	6	r	1003.5	-4	56	+1	SW	8	*	r	*	16	57	50						
Biarritz	1016.6	60	W	4	o	1009.9	-4	58	+1	S	5	*	o	6	—	61	54						
SOUTHERN STATIONS.	Paris	1007.5	46	SSW	2	c	1004.2	-6	46	-2	SSE	3	—	o	*	8	55	41					
	Belfort	1014.7	46	WSW	4	c	1014.3	*	45	0	WSW	2	*	o	*	1	49	44					
	Lyons	1015.9	49	—	0	bc	1014.3	*	49	0	S	2	*	c	*	1	55	47					
	Nice	1014.1	55	—	0	b	1015.7	+1	50	-2	—	0	*	c	3	38	57	45					
	Perpignan	1017.6	54	—	0	o	1015.1	-4	43	-7	—	0	—	b	*	—	61	41					
	Sanguinaire	*	—	—	—	—	*	—	—	—	—	—	—	—	—	—	—	—					
	Corunna	1019.1	59	SW	4	bc	1015.4	+6	57	+3	W	4	—	c	4	15	61	57					
	Madrid	1020.8	61	NW	2	bc	1022.3	-0	43	-5	—	0	NW	bc	*	—	84	45					
	Lisbon	1023.9	59	NW	2	bc	1022.9	0	57	+2	SW	1	—	b	6	—	63	55					
	Azores (Horta)	1026.9	*	E	3	o	1024.2	-2	65	+2	WSW	6	*	o	2	—	70	63					
Madeira	1022.7	73	N	3	c	1024.3	0	63	-1	NE	3	—	b	3	—	73	63						
Gibraltar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
Malta	*	*	*	*	*	1020.4	+1	68	+5	SSW	1	SW	c	0	—	72	63						
Limassol	*	*	*	*	*	1015.1	0	70	0	W	5	—	b	2	—	84	59						
Alexandria	1018.6	73	N	3	b	1019.8	0	73	+1	NW	3	NW	b	2	—	82	70						
Cairo (Helwan)	1017.5	73	N	4	b	1018.9	+2	68	0	N	2	—	b	*	—	86	61						



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.

Cones Hoisted at 3h.30m.

Western Channel and Bay 11

Moderate Southerly winds, backing East and freshening; fair at first, less settled later; normal temperature.

Fresh or strong Southerly winds, veering later; becoming rainy then improving again tomorrow; normal temperature.

Southerly gales veering South-West and moderating somewhat; rain at first, some improvement later; normal temperature.

Light winds, becoming East; unsettled; normal temperature.

Fresh or strong winds, becoming North-West and North and moderating; rain at first, then fair, showery; becoming rather cool.

Moderate Northerly or North-Easterly winds, backing later; fair, showery; rather cool.

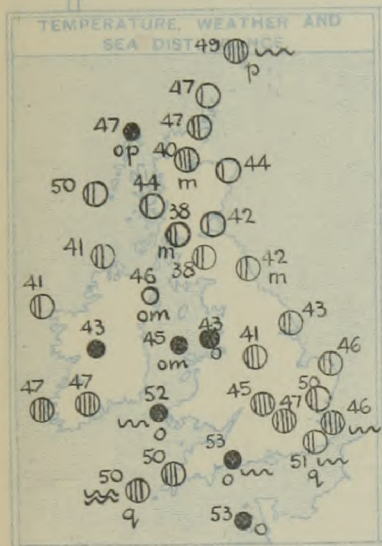
Strong Westerly winds to gales, moderating; rough or high sea; unsettled, showery.

FURTHER OUTLOOK.

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

NAPIER SHAW, Director

The well-marked secondary which has come in to the south of Ireland will move to the east or north-east.



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

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

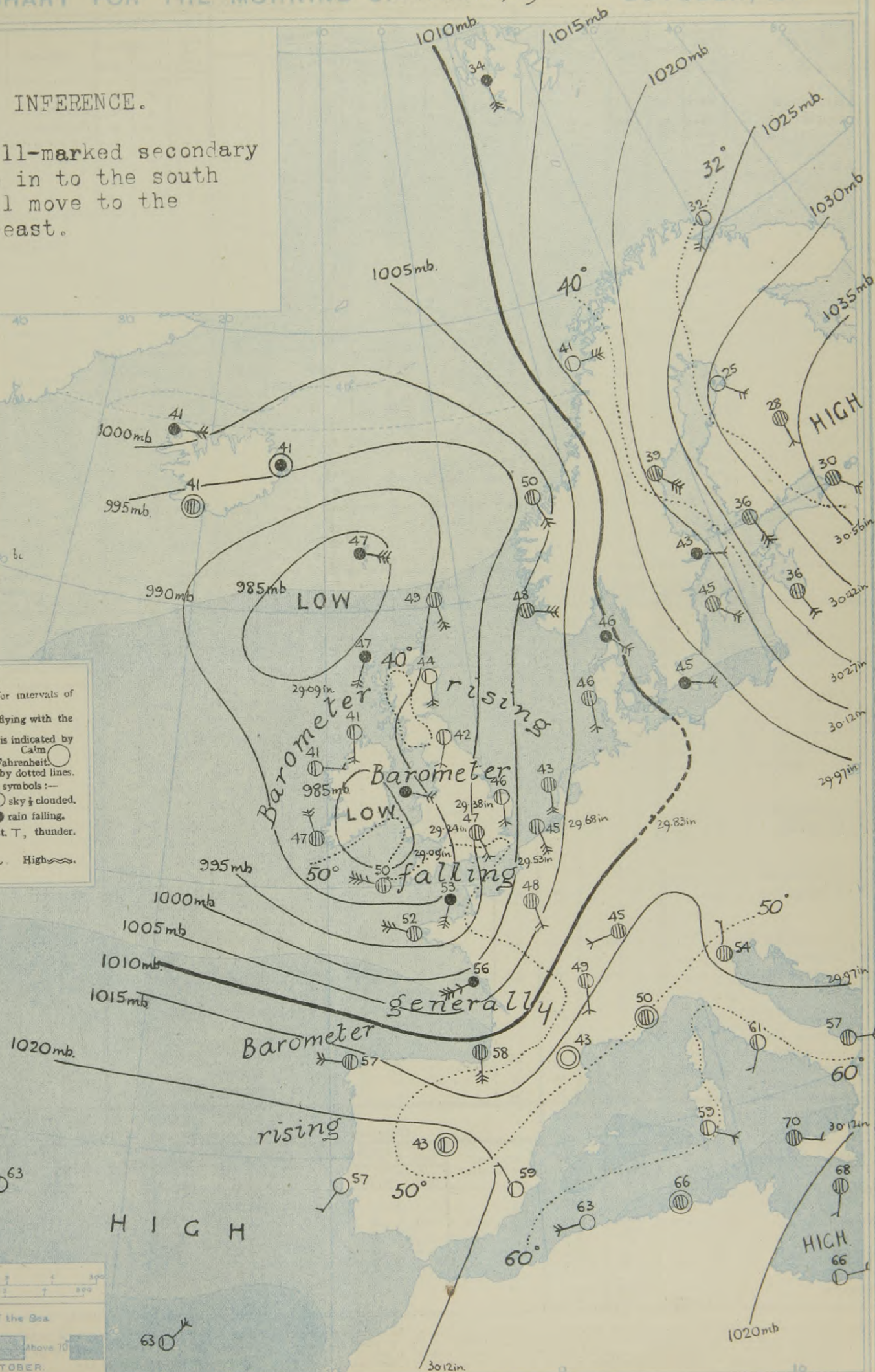
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—

☉ clear sky. ☁ sky $\frac{1}{2}$ clouded. ☁ sky $\frac{3}{4}$ clouded.
☁ sky $\frac{2}{3}$ 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.	WIND.			Weather.	Barometer.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			Temp.	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.				° F.	° F.								
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel ...	1039.5	30	E	2	0	1041.7	0	32	0	ESE	2	r	-	*	30	1010.3	32	-13	-	0	b
	Gorki ...	1030.9	32	ESE	2	b	1031.1	*	28	-13	E	3	b	-	*	28	1004.8	32	-11	-	0	b
	Velieki Luki ...	1034.9	28	-	0	b	1036.6	*	23	-4	-	0	b	-	*	21	1004.0	30	-11	-	0	b
	Hangö ...	1030.9	41	SE	5	bc	1029.9	0	39	0	ESE	4	bc	-	*	37	1005.6	39	-7	NE	2	r
	Riga ...	1029.9	37	ESE	4	b	1028.8	0	34	-5	ESE	4	bc	-	*	34	999.6	45	+4	E	3	r
	Petrograd ...	1038.4	30	E	4	0	1039.4	+1	25	-3	E	2	f	-	*	25						
	Moscow ...	1035.8	30	NNE	2	b	1038.3	+2	30	+3	NNE	2	0	-	*	27						
	Kiev ...	1027.3	41	ENE	4	0	1028.6	+1	36		ESE	3	0	-	*	36						
	Kharkov ...	1028.0	39	NE	2	0	1028.6	+1	36		NE	3	0	-	*	36						
	Kishinev ...	1017.6	54	E	3	0	1017.6	0	50		E	4	0	5	*	?						
	Elisabetgrad ...	1024.6	45	E	4	r	1025.9	+2	39		ENE	4	0	-	*	39						
	Nicolaiev ...	1025.8	54	E	3	c	1021.1	*	48		ENE	6	r	1	*	46						
MEDITERRANEAN.	Odessa ...	1019.8	55	ESE	3	0	1019.3	0	59		ESE	5	0	2	*	50						
	Tarkhankout ...	1019.1	57	E	2	c	1016.8	*	54		E	7	bc	-	*	54						
	Soukhoum ...	1017.6	61	NNE	2	c	1015.9	0	59		NNE	2	b	-	*	57						
	Venice ...	1017.9	54	-	0	b	1018.0	*	50	-2	NNE	1	0	-	61	50						
	Pesaro ...	1019.1	55	WSW	4	b	1018.7	*	52	-3	-	0	b	-	61	46						
	Rome ...	1021.6	55	-	0	b	1021.6	*	48	-4	-	0	c	-	64	45						
	Viesti ...	1020.0	57	W	1	b	1020.0	*	57	-2	-	0	b	1	76	54						
	Brindisi ...	1019.6	54	WSW	1	b	1020.7	*	61	+2	NNE	1	b	-	66	54						
SWEDEN.	Cagliari ...	1019.4	66	SE	3	b	1017.0	*	64	+10	SE	2	b	-	70	48						
	Palermo ...	1022.6	39	SSE	6	b	1021.4	*	54	-9	-	0	b	-	70	46						
	Tripoli ...	1022.6	70	ENE	1	b	1023.1	*	70	-3	ESE	1	b	-	73	57						
	Algiers ...	1016.6	64	-	0	b	1017.9	+1	63	+2	-	0	b	-	70	59						
	Hernösand ...	1029.3	39	-	0	0	1028.8	*	41	+2	SE	4	0	*	*	*						
	Stockholm ...	1023.4	45	SE	2	r	1023.3	*	41	-2	ESE	1	0	*	*	*						
	Wisby ...	1021.3	46	SE	2	0	1021.6	*	43	0	ESE	4	r	*	*	*						

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. 10 h-gh.	Day. gh-10 h.	Max.	Min.	Forenoon.	Afternoon.			Night. 10 h-gh.	Day. gh-10 h.	Max.	Min.	Forenoon.	Afternoon.			
Scotland.	Oban	Trace	-	52	42	o	o	0.0	England, E.	Lowestoft							
	Banff	6	2	50	46	bcp	or. od.	0.1		Felixstowe	2	-	55	47	bcp	bcp	7.2
	Montrose	10	3	50	47	o	o	0.0		Walton-on-Naze	1	Trace	53	48			5.9
	Carnoustie	*	*							Southend-on-Sea	1	-	57	47	b. bc	b. bc.	6.5
	St. Andrews																
Eng. N.E.	Harrogate	5	12	47	42	or. e	or	0.0	England, S.E.	Margate	13	1	55	46	bc. c	cp.	2.1
	Skegness	1	-	52	47	or	bc	0.7		Ramsgate	17	-	53	40	r. bc. o	c. or.	1.3
Eng. N.W.	Morecambe							0.0		Hastings	12	5	54	48	or. c	g.	0.7
	Southport	4	9	51	47	or	or. c	0.0		Eastbourne	13	10	56	48	g	p.	0.9
Midlands.	Leamington Spa	3	Trace	52	46	c	c. op.	0.1		Seaford	*	*	56	41	rg	rg	0.0
	Malvern									Brighton							
	Ross-on-Wye	4	Trace	51	45	c. bc	bc. b	0.0		Worthing	*	*	49	47	p	p	2.7
Wales.	Rhyl							0.1	England, S.W.	Littlehampton							
	Colwyn Bay	*	*					0.4		Bognor	*	*	55	50	bcp	bcp	4.0
	Llandudno	*	*	52	43	p	p	0.4		Bournemouth	7	-	55	47	c. bc	b	6.6
	Aberystwyth	*	*	52	48	r. o. c	c. o.	6.0									
	Tenby	7	1	53	46	bcp	bc. c	1.8		Weymouth	*	*					
								Heights in Kilometres	Torquay	2	2	54	47	bcp	bcp.	5.0	
									Paignton	*	*	56	43	bcp. bc	bc.	6.7	
									Penzance	2	-	54	47	bc	c. bc.	6.5	
									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.

29th & 30th October, 1916.	Sunrise, Noon, Sunset.		
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.44 6.46	11.37 11.37	4.20 4.28
Greenwich ...	6.49 6.51	11.44 11.44	4.29 4.37
Wick ...	7.22 7.25	11.56 11.56	4.30 4.27
Valencia ...	7.34 7.33	12.25 12.25	5.19 5.17

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.
	26 ft.	1 ft. 35 m.										
Heights in Kilometres	15	+10	0									
	10	+9	0									
	05	+6	0									
	00	+4	0									

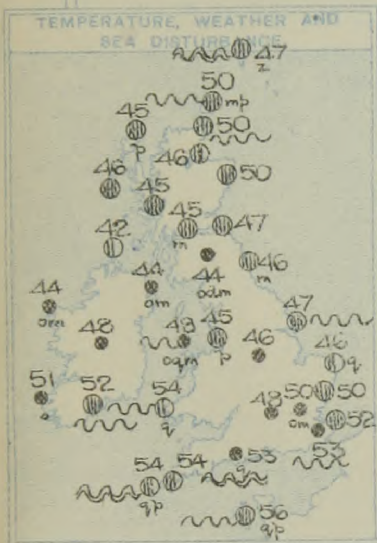
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

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

GENERAL INFERENCE.

The deep depression which is approaching Ireland is likely to cause gales and unsettled weather 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

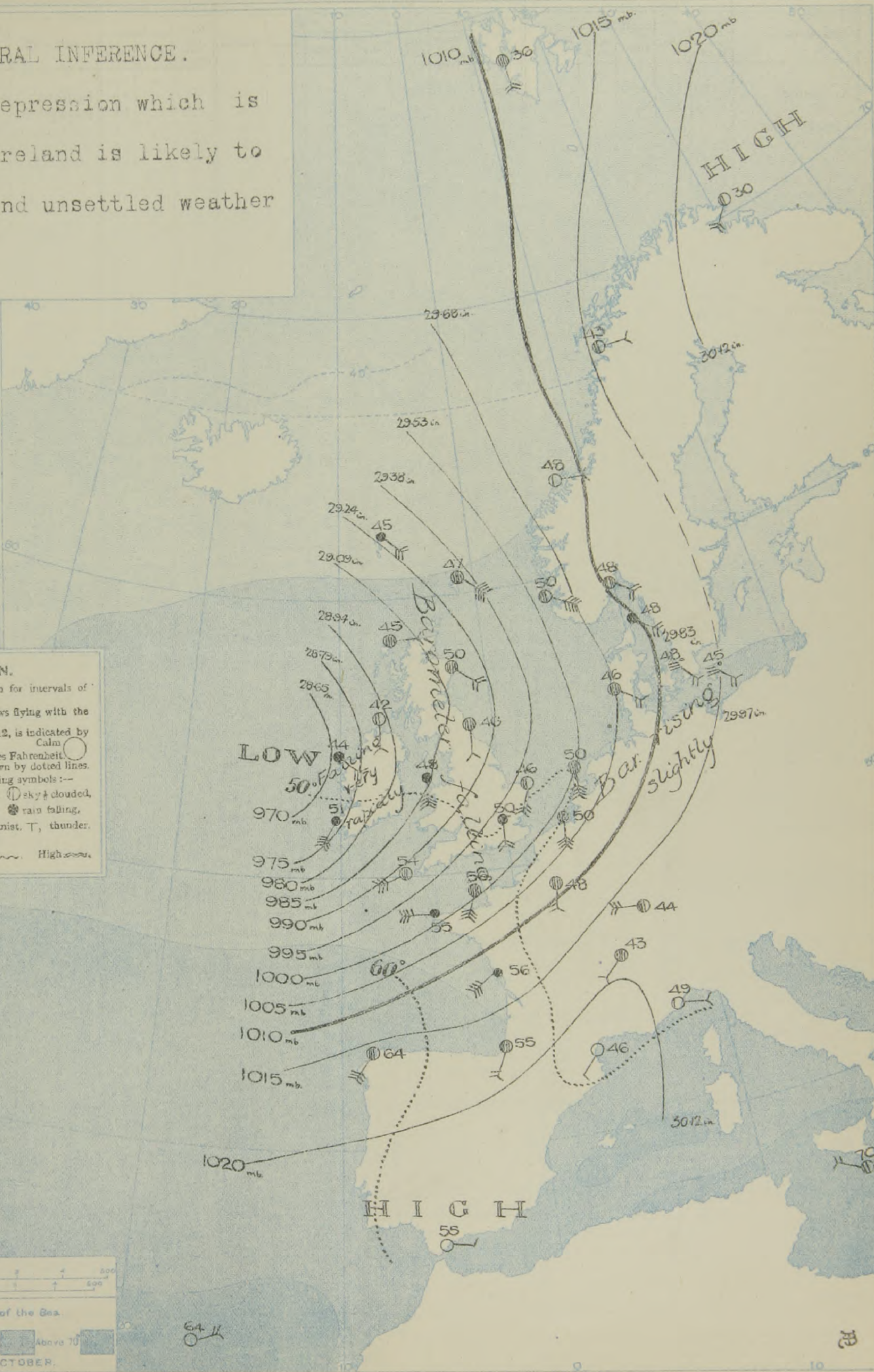
TEMPERATURE.—Given in degrees Fahrenheit.
Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—
 Clear sky. Sky & clouded. Sky & clouded.

☉ clear sky. ☁ sky & cloud. ☁☁ sky & cloud.
☁☁ sky & clouded. ☁☁☁ overcast sky. ☁☁☁☁ rain falling.

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

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.			F	H	Dir.	Force 0-12.			
RUSSIA 7 a.m. and 9 p.m. Local Time.																								
Archangel	1038.1	34	SSW	3	C	1035.7	0	32	0	SW	2	0	—	° F	° F	Isafjord	1000.3	41	+ 9	E	4	r		
Gorki	1032.3	32	E	5	b	1032.6	*	32	+ 4	SE	6	0	—	*	28	Reykjavik	994.7	34	+ 2	—	0	bc		
Velieki Luki	1029.7	41	ESE	6	C	1035.9	*	28	+ 5	SE	3	0	—	*	23	Vestmanna	993.5	41	+ 11	—	0	c		
Hangö	1027.3	36	ESE	4	b	1026.3	0	36	+ 2	SSE	5	C	—	*	36	Seydisfjord	996.3	41	+ 2	—	0	r		
Riga	1037.7	30	E	4	b	1026.3	0	36	+ 2	SSE	4	0	—	*	32	Tborshavn	982.0	47	+ 2	ESE	6	r		
Petrograd	1040.6	28	E	2	0	1036.6	-1	30	+ 5	SE	3	0	—	32	25									
Moscow	1029.6	37	E	3	0	1041.2	0	27	- 3	ESE	2	C	—	*	27									
Kiev	1031.5	37	NW	3	0	1030.1	0	37	+ 1	ESE	4	0	—	*	36									
Kharkov	1022.6	43	ENE	4	0	1033.2	+1	32	- 4	E	3	0	—	*	34									
Kishinev	1017.3	39	ESE	4	0	1024.0	+1	41	- 9	E	4	0	5	*	39									
Elisabetgrad	1019.5	41	ENE	5	0	?	+1	37	- 2	E	3	0	—	*	36									
Nicolaiev	1023.9	46	ESE	5	0	1026.9	*	41	- 7	E	3	0	2	*	39									
Odessa	1020.4	50	E	5	r	1025.6	+3	43	- 9	E	5	0	—	*	41									
Tarkhankout.	1017.5	61	—	0	bc	1021.7	*	46	- 8	NE	3	C	1	*	43									
Soukhoun						1027.5	*	57	- 2	—	0	C	—	*	*									
MEDITERRANEAN.																								
Venice	1016.4	54	NNE	1	C	1014.4	*	54	+ 4	—	0	0	6	59	50	British Isles								
Pesato	1016.9	59	—	0	C	1016.9	*	55	+ 3	—	0	0	12	64	52	France								
Rome	1018.2	59	SE	1	0	1016.6	*	61	+ 13	—	0	bc	—	64	48	Norway								
Viesti	1018.7	59	—	0	b	1015.6	*	61	+ 4	SE	1	C	—	63	57	Sweden								
Brindisi	1018.6	59	SE	1	b	1018.6	*	57	- 4	E	2	C	—	61	57	Denmark								
Cagliari	1016.7	64	SE	4	b	1016.7	*	59	- 5	SE	2	bc	—	68	46	Holland								
Palermo	1019.7	64	ENE	1	b	1019.4	*	70	+ 16	ESE	1	0	—	72	50	Italy								
Tripoli	1020.4	68	ESE	1	b	1021.0	*	66	- 4	E	1	b	—	81	57	Egypt								
Algiers	1018.7	66	NW	2	C	1019.8	0	63	0	WSW	3	b	—	73	61	Corunna								
SWEDEN.																								
Hernösand	1026.0	41	S	2	0	1023.5	*	39	- 2	SE	6	0	*	*	*	Madrid								
Stockholm	1021.3	41	SE	2	r	1018.7	*	43	+ 2	SE	2	r	*	*	*	Lisbon								
Wisby	1019.4	43	SE	2	0	1017.3	*	45	+ 3	SE	4	0	*	*	*	Azores								

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.					mm.	mm.	° F.	° F.			
Scotland.	Oban ...	8	—	52	43	bc	bc	3.2	England, E.	Lowestoft ...	—	—	—	—	—
	Banff ...	Trace	Trace	50	45	bc	bc r c	6.0		Felixstowe ...	—	2	53	45	bc qy
	Montrose ...	—	3	50	40	0	r	1.6		Walton-on-Naze ...	—	—	—	—	—
	Carnoustie ...	*	*	—	—	—	—	—		Southend-on-Sea ...	—	1	53	44	or
	St. Andrews ...	*	*	—	—	—	—	—							
Eng. N.E.	Harrogate ...	5	5	46	36	o. c	o. c	0.0	England, S.E.	Margate ...	—	10	53	42	r. o
	Skegness ...	—	1	50	45	oga	r. o. bc	2.2		Ramsgate ...	—	—	—	—	or
Eng. N.W.	Morecambe ...	—	—	—	—	—	—	—		Hastings ...	7	3	55	46	bc. or
	Southport ...	—	—	—	—	—	—	—		Eastbourne ...	6	5	57	46	cyp
Midlands.	Leamington Spa ...	1	1	54	39	or. d	o. cp	0.5		Seaford ...	—	—	—	—	cyp
	Malvern ...	—	—	—	—	—	—	—		Brighton ...	—	—	—	—	—
	Ross-on-Wye ...	—	—	—	—	—	—	—		Worthing ...	6	2	56	42	cyp
										Littlehampton ...	6	2	56	47	o. bc
Wales.	Rhyl ...	1	Trace	52	41	of o	b. o	0.0	England, S.W.	Bognor ...	—	—	56	46	or
	Colwyn Bay ...	*	*	53	43	cd	d. c. o	0.0		Bournemouth ...	6	1	55	44	r. o
	Llandudno ...	*	*	53	42	r	c	0.0							
	Aberystwyth ...	*	*	55	44	r o c	bc. o	0.4		Weymouth ...	—	—	—	—	—
	Tenby ...	—	—	—	—	—	—	—		Torquay ...	11	1	55	45	cp

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 October, 1916.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.46	11.37	4.28
Greenwich ...	6.48	11.37	4.26
	6.51	11.44	4.37
	6.53	11.44	4.35
Wick ...	7.25	11.56	4.27
	7.28	11.56	4.24
Valencia ...	7.33	12.25	5.17
	7.35	12.25	5.15

NOTES ON YESTERDAY'S WEATHER.

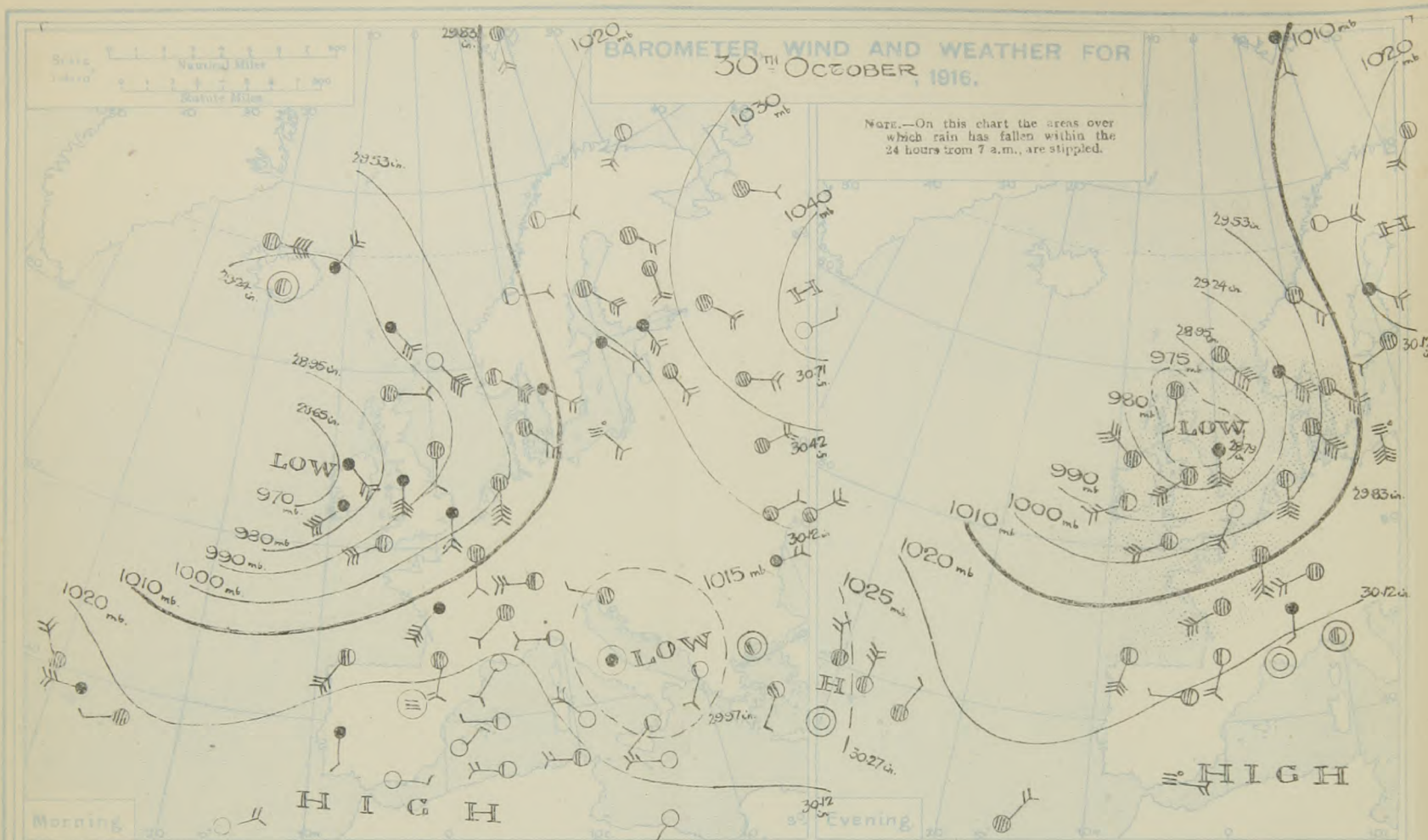
Rain fell in all districts, up to 16 mm. at Jersey.

Nairn recorded 7.7 hours of bright sunshine, Castlebay and Banff 6.0, but generally measurements were very small.

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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‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

South Cone hoisted yesterday at 8^h 30^m.

Western Channel and Bay 11

Wind mainly South-Westerly, moderate or fresh; changeable, showery, squally; moderate temperature.

Wind between West and South-West, moderate, fresh or strong at times; squally, showery, fair intervals, moderately mild.

Wind between West and South, fresh or strong, changeable, showery; moderately mild.

Westerly and South-Westerly winds, fresh or strong; sea high or rough, changeable, showery.

FURTHER OUTLOOK.

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

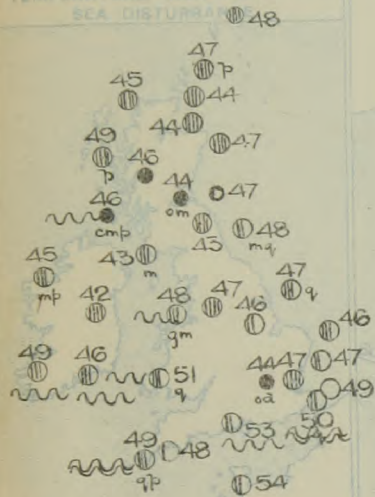
NAPIER SHAW, Director.

SYNOPTIC CHART FOR THE MORNING OF TUESDAY, 31ST OCTOBER, 1916.

GENERAL INFERENCE.

The northern depression seems likely to move away northward, while the secondary over the North Sea will probably move eastward or north-eastward.

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.

R, thunderstorm.

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

HIGH

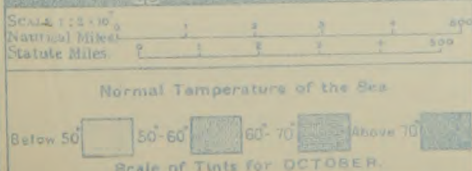
LOW

HIGH

generally rising

falling

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	1037.1	28	SW	2	0	1037.0	?	28	-4	SE	2	0	-	F	27	Isafjord	993.5	F	F	43	+2	E	6	
Gorki	1032.4	32	SE	4	0	1032.8	?	32	0	ESE	4	0	-	*	28	Reykjavik	985.9	34	0	-	0	-	0	b
Veliki Luki	1034.7	25	SE	4	0	1035.8	*	28	0	SE	3	0	-	*	25	Vestmanna	984.7	37	-4	-	0	-	0	c
Hangö	1026.8	36	SSE	5	0	1026.1	0	36	0	SSE	6	r	2	*	32	Seydisfjord	987.9	43	+2	NE	4	-	4	r
Riga	1025.9	36	SSE	4	0	1026.3	+1	34	-2	SSE	4	0	1	*	34	Thorshavn	990.8	45	-2	SE	5	-	5	r
Petrograd	1035.2	28	SE	4	b	1035.0	0	27	-3	SE	4	0	-	30	25									
Moscow	1040.2	25	-	0	b	1041.6	+2	23	-4	SE	1	b	-	*	21									
Kiev	1031.5	34	SE	3	0	1031.9	+1	36	-1	E	4	0	-	*	34									
Kharkov	1034.3	36	E	3	0	1036.4	+3	34	+2	NE	1	0	-	*	32									
Kishinev	1025.7	39	SE	4	0	1026.3	0	37	-4	E	2	0	3	*	37									
Elisabetgrad	1030.7	37	ESE	3	0	1031.8	+2	37	0	ESE	3	0	-	*	36									
Nicolaiev	1028.4	37	E	2	0	1029.0	*	39	-2	E	4	0	-	*	37									
Odessa	1027.3	39	ESE	4	0	1027.5	+1	43	0	ESE	5	0	-	*	39									
Tarkhankout	1025.0	41	NE	4	0	1025.6	*	41	-5	N	4	0	-	*	41									
Soukhoum	1028.3	63	-	0	0	1031.7	+3	61	+4	E	1	r	2	*	57									
MEDITERRANEAN.																								
Venice	1013.4	54	-	0	b	1012.1	*	52	-2	WNW	1	0	-	59	52									
Pesaro	1013.6	55	S	1	0	1012.3	*	55	0	W	1	0	2	59	52									
Rome	1014.9	53	SE	1	0	1013.4	*	55	-6	-	0	0	2	66	55									
Viesti	1014.9	61	SE	1	b	1010.6	*	61	0	SE	1	0	-	68	57									
Brindisi	1015.7	61	E	7	b	1010.8	*	64	+7	SW	2	b	-	72	55									
Cagliari	1015.3	66	ESE	4	b	1018.0	*	58	-1	NW	4	b	-	72	45									
Palermo	1018.6	66	-	0	b	1012.0	*	66	-4	WSW	1	b	1	75	43									
Tripoli	1019.9	70	SSE	1	(cl)	1020.2	*	66	0	WSW	1	b	-	82	61									
Algiers	1020.3	66	WSW	2	b	1022.9	+2	64	+1	W	3	b	-	73	63									
SWEDEN.																								
Hernösand	1023.1	37	SE	4	r	1023.3	*	37	-2	SE	6	0	-	*	*									
Stockholm	1017.9	41	SE	4	r	1019.3	*	43	0	SE	2	r	-	*	*									
Wisby	1016.8	43	SE	2	0	1018.4	*	45	0	SSE	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-6h.	Day, 6h-12h.	Max.	Min.	Forenoon.	Afternoon.			Night, 12h-6h.	Day, 6h-12h.	Max.	Min.	Forenoon.	Afternoon.			
	Mm.	Mm.	°F.	°F.					Mm.	Mm.	°F.	°F.					
Scotland.	Oban	—	—	49	42	0	c	0.3	England, E.	Lowestoft	5	Trace	59	46	org.	a.c. bc	2.8
	Banff	3	1	51	44	bc	or.cd.	1.7		Felixstowe	2	4	59	47	org.bc	bc.org	3.8
	Montrose	2	3	49	47	0.	0	0.0		Walton-on-Naze	—	—	—	—	—	—	—
	Carnoustie	*	*	—	—	—	—	—		Southend-on-Sea	1	3	58	47	or.bc	b.orh	3.0
	St. Andrews	13	4	49	45	cp	op	0.0		Margate	2	5	60	46	odc.bc	bcp.cr	1.8
Eng. N.E.	Harrogate	2	7	50	42	or	c.or.o	0.1	England, S.E.	Ramsgate	2	3	63	43	r.o.c	c.or	1.4
	Skegness	1	2	57	45	r.o.bc.	b.c.b	3.2		Hastings	12	1	60	49	or.c	bc.o	2.6
Eng. N.W.	Morecambe	8	8	53	45	—	—	0.3		Eastbourne	12	Trace	61	49	o.bc	bc.odc	2.7
	Southport	3	7	52	44	o.c.or	org	0.5		Seaford	*	*	58	48	r.c	bc	2.1
Midlands.	Leamington Spa	4	1	57	40	bcp.	bc.cp.	3.3		Brighton	—	—	—	—	—	—	—
	Malvern	4	2	55	44	bcp.	p.c	2.7		Worthing	5	3	59	50	c.bc	cr	3.2
	Ross-on-Wye	4	1	57	44	cpd	cpd	1.7		Littlehampton	3	7	57	42	o.bc	bcp	2.4
Wales.	Rhyl	—	—	—	—	—	—	—	England, S.W.	Bognor	*	*	58	50	bcp	bcp	3.6
	Colwyn Bay	*	*	53	45	cp.	or	0.0		Bournemouth	5	1	59	43	r.bc	c.b	4.0
	Llandudno	*	*	55	45	r	r	0.2		Weymouth	*	*	60	50	p.b.bc.b	b.cgr.b	3.7
	Aberystwyth	*	*	57	45	r.o.c	c.o	0.7		Torquay	1	5	58	50	bc	c.bcp	4.5
	Tenby	5	—	54	43	—	—	0.6		Paignton	*	*	—	—	—	—	—
									Penzance	3	4	59	50	bcp.r	c.bc	3.4	
									Newquay	2	—	58	44	bc	c.bc	2.2	
									Bude	—	—	—	—	—	—	—	
									Ilfracombe	4	Trace	54	45	bc	bc.c	3.4	
									Weston-s-Mare	3	—	58	46	bc.b	b.bc	3.3	

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

Oct. 31 st & Nov. 1 st 1916.	Sunrise, Noon, Sunset.		
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6.48	11.37	4.26
Greenwich	6.53	11.44	4.35
Wick	7.28	11.56	4.24
Valencia	7.35	12.15	5.15

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.

NOTES ON YESTERDAY'S WEATHER.

Rain fell in all places, 24 mm. at Dover. The duration of bright sunshine varied considerably, in several places the record was moderate, but generally it was slight. Temperature reached 60° at some southern stations.

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ADDITIONS AND CORRECTIONS
TO THE
DAILY WEATHER REPORT.

OCTOBER, 1916.

CORRECTIONS AND ADDITIONS TO THE

DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING 7 A.M. G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day. Hours.	
		Barom. Milli- bars at M.S.L.	TEMP. F.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 8 hours.	Dry Bulb. °F.	Change in 24 hours. °F.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.		
1	Valencia	.	F.	.	.	.	.	.	F.	F.	.	.	.	.	.	.	F.	F.	.	.	.	.	0.3
.	Yarmouth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	Blacksod Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	43	.	.	.	.	.
.	Pembroke	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	48	.	.	.	.	.
.	Benson	.	.	.	.	.	.	.	.	.	.	.	.	.	.	26	.	.	.	.	.	.	.
3	Tynemouth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	45	.	.	.	.	.
4	Holyhead	.	.	.	.	.	1002.8	.	.	.	.	.	.	.	.	0.4	.	38	.	.	.	.	.
6	Castlebay	1000.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
.	Malin Head	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	54	.	.	.	.	.
.	Holyhead	1007.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
.	Scilly	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.	.	.	.	.
7	Dover	.	.	.	.	.	.	.	56	-5	.	.	.	.	.	.	14	.	.	.	.	.	.
.	Leith	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	63	.	.	.	.	.	.
.	Stn Farnboro'	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	Deerness	.	.	.	.	.	.	.	45	-4	.	.	.	.	.	.	.	.	.	.	.	.	.
.	Dungeness	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.
.	Shurn Head	.	.	.	.	.	.	.	.	.	W	.	.	.	.	.	.	.	.	.	.	.	.
9	Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	50	.	.	.	.	.
.	Blacksod Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	59	.	.	.	.	.	.
.	Portland Bill	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	58	.	.	.	.	.	.
10	Falmouth	.	60	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
.	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5.1
.	Benson	.	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1.6
.	Leith	.	.	.	.	.	.	.	.	.	.	.	.	.	.	10	.	.	.	.	.	.	.
.	Benson	.	.	.	.	.	1018.8	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0	.	.
.	Bodo	982.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	45	.	.	.	.	.	.
12	Glasgow	1008.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13	Blacksod Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	59	.	.	.	.	.	.
15	Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	on. bcp	0.0	.
16	Liverpool	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2.4
.	Wick	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	44	.	.	.	.	.	.
.	Tynemouth	.	.	.	.	.	1017.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	32	.	.	.	.	.	.	.
19	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	55	.	.	.	.	.	.
20	Glasgow	.	.	.	.	.	1024.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
.	Eskdalemuir	.	.	.	.	.	1026.9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
.	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	42	.	.	.	.	.
.	Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	8.2
21	Castlebay	.	54	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
.	London	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.6m. bmt	0.5	.
22	Lerwick	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	49	.	.	.	.	.	.
.	Glasgow	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.6m	.	.	.	.
.	Leith	.	.	.	.	.	1013.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23	Castlebay	.	.	.	.	.	.	.	.	.	NE	.	.	.	.	.	.	.	.	.	.	.	.
.	Portland Bill	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	47	.	.	.	.	.
.	Dungeness	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	54	.	.	.	.	.	.
.	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.
.	Benson	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	35	.	.	.	.	.
.	Stn Farnboro'	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.
24	Glasgow	1002.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
25	Dungeness	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	48	.	.	.	.	.
26	Roche's Point	.	46	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
27	Scilly	.	.	.	.	.	.	.	.	.	.	.	.	.	.

ADDITIONS

DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day. Hours.
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.		
		° F.							° F.	° F.							° F.	° F.					
26	Madrid	1011.1	55	NW	2	b	1022.0	+5	46	-	-	0	-	b	*	1	61	43	.	.	.	.
.	Lisbon	1018.0	57	NNW	2	bc	1023.5	+2	55	-4	-	0	-	o	2	-	64	54	.	.	.	.
.	Malta	*	*	*	*	*	1017.2	0	75	+2	SW	4	-	o	1	-	81	70	.	.	.	.
27	Roche's Point	*	*	*	*	*	965.0	*	48	+6	NNE	4	-	o	7	30	54	41	.	.	07.0	*	
.	Belfort	1017.5	43	W	4	c	1018.7	*	38	-7	E	2	*	o	*	3	50	36	.	.	.	.
.	Sanguinaire	1016.7	55	NW	4	bc	*	*	55	-3	WNW	4	*	o	4	-	59	46	.	.	.	.
.	Corunna	1016.7	59	SW	5	o	1011.9	+3	59	+7	SW	3	W	o	5	10	61	52	.	.	.	.
.	Lisbon	1025.0	61	SSW	3	6	1020.6	0	57	+2	-	0	-	bc	6	-	66	55	.	.	.	.
.	Azores	*	*	*	*	*	1025.5	+2	63	-3	NNE	5	*	c	2	2	72	63	.	.	.	.
28	Roche's Point	981.1	48	NW	7	o	.	.	.	.	.	.	.	.	.	.	.	.	op.	op.	0	.
.	Madrid	1016.8	57	SW	1	b	1021.6	+5	48	+7	W	3	-	b	*	2	57	44	.	.	.	.
.	Lisbon	1019.0	59	NNW	4	T	1023.4	+2	55	-2	NW	2	-	bc	6	3	66	54	.	.	.	.
.	Azores	*	*	*	*	*	1027.9	0	63	0	N	4	*	o	1	-	66	61	.	.	.	.
30	C. Gris Nez	995.8	53	SSW	7	o	1000.0	-1	51	+10	SSW	8	*	o	8	8	55	41	.	.	.	.
.	Sanguinaire	*	63	W	2	o	*	*	57	-	NW	5	*	o	6	2	64	48	.	.	.	.
.	Madrid	1020.6	52	W	4	o	1026.1	+4	48	+5	-	0	-	o	*	2	57	43	.	.	.	.
.	Lisbon	1024.6	63	W	3	o	1023.4	0	61	+3	S	1	-	o	6	1	66	58	.	.	.	.
.	Azores	*	*	*	*	*	1020.3	0	63	-2	W	5	*	o	2	1	70	63	.	.	.	.
31	Sanguinaire	*	58	NW	3	b	*	*	57	0	E	2	*	o	3	-	63	54	.	.	.	.

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day. Hr.	TEMPERATURE.			Rain- fall. mm.§	WEATHER.		
	3 p.m. Yester- day.	9 a.m To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.										
1 City	%	%	3.3	* F.	* F.	* F.				
2 City	.	.	2.7	.	.	.	.	.	.	.
. Westminster	.	.	2.8	.	.	.	.	.	.	.
. Richmond Park	.	.	2.5	.	.	.	.	.	.	.
3 City	.	.	0.0	.	.	.	.	.	.	.
. Richmond Park	.	.	0.0	.	.	.	.	.	.	.
4 Richmond Park	.	.	0.4	.	.	.	.	.	.	.
5 City	.	.	2.2	.	.	.	.	.	.	.
. S. Kensington	.	.	2.6	.	.	.	.	.	.	.
. Richmond Park	.	.	2.3	.	.	.	.	.	.	.
6 City	.	.	5.7	.	.	.	.	.	.	.
. Westminster	.	.	5.6	.	.	.	.	.	.	.
. Richmond Park	.	.	5.6	.	.	.	.	.	.	.
9 Hampstead	.	.	3.8	.	.	.	.	.	.	.
10 Westminster	.	.	3.5	.	.	.	.	.	.	.
13 City	.	.	1.8	.	.	.	.	.	.	.
. Westminster	.	.	1.5	.	.	.	.	.	.	.
16 City	.	.	6.2	.	.	.	.	.	.	.
. Greenwich	57	.	.	.	.	.
. Westminster	.	.	6.7	.	.	.	.	.	.	.
24 City	.	.	5.1	.	.	.	.	.	.	.
. Camden Sq.
25 Hampstead	Trace	.	.	.
28 Hampstead	33	.	.	.	.
. S. Kensington	aov. h. h. h.	.
30 City	.	.	0.3	.	.	.	.	.	c. h. r. o	bq. o. o. r.
. Richmond Park	.	.	1.2	.	.	.	.	.	.	.
31 Westminster	69	81	.	61	47	42	6	b. bc	ov. r	o. bcp

GALES

Duration and Extreme Force
in British Islands

Date.	ADDITIONS.	Date.	CORRECTIONS.
15	Clacton S.W. 8 20h (14h)	10	Blacksod Point 10h 2am-7am SSW 8. Ex. SSW 9 @ 4 a.m.
27	Roche's Point 26h 10pm-midnight SE 8. " midnight-early morn NE 8	15	Lerwick 14h SE 8 13-16h. 15h NNW 8 7-17h
		.	Glasgow SSW-W. 8 12h of 14h-3h of 15h. Gusts force 9 at 15h.
		.	Malin Head gale ceased during afternoon (14h)
		26	Castlebay. 25h-26h ESE 8 & early morning SE 9 18h (25h).
		.	Blacksod Point WSW 8 25h forenoon @ 7h (26h). Ex. WSW 9 18h (25h).
		28	Malin Head 27h 9h-20h E-NE 8. Donaghadee E 8 forenoon-6h. 27h