

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER 1914.

METEOR
South

DAILY WEATHER REPORT. APPENDIX I.

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

FOURTH QUARTER, OCTOBER TO DECEMBER.

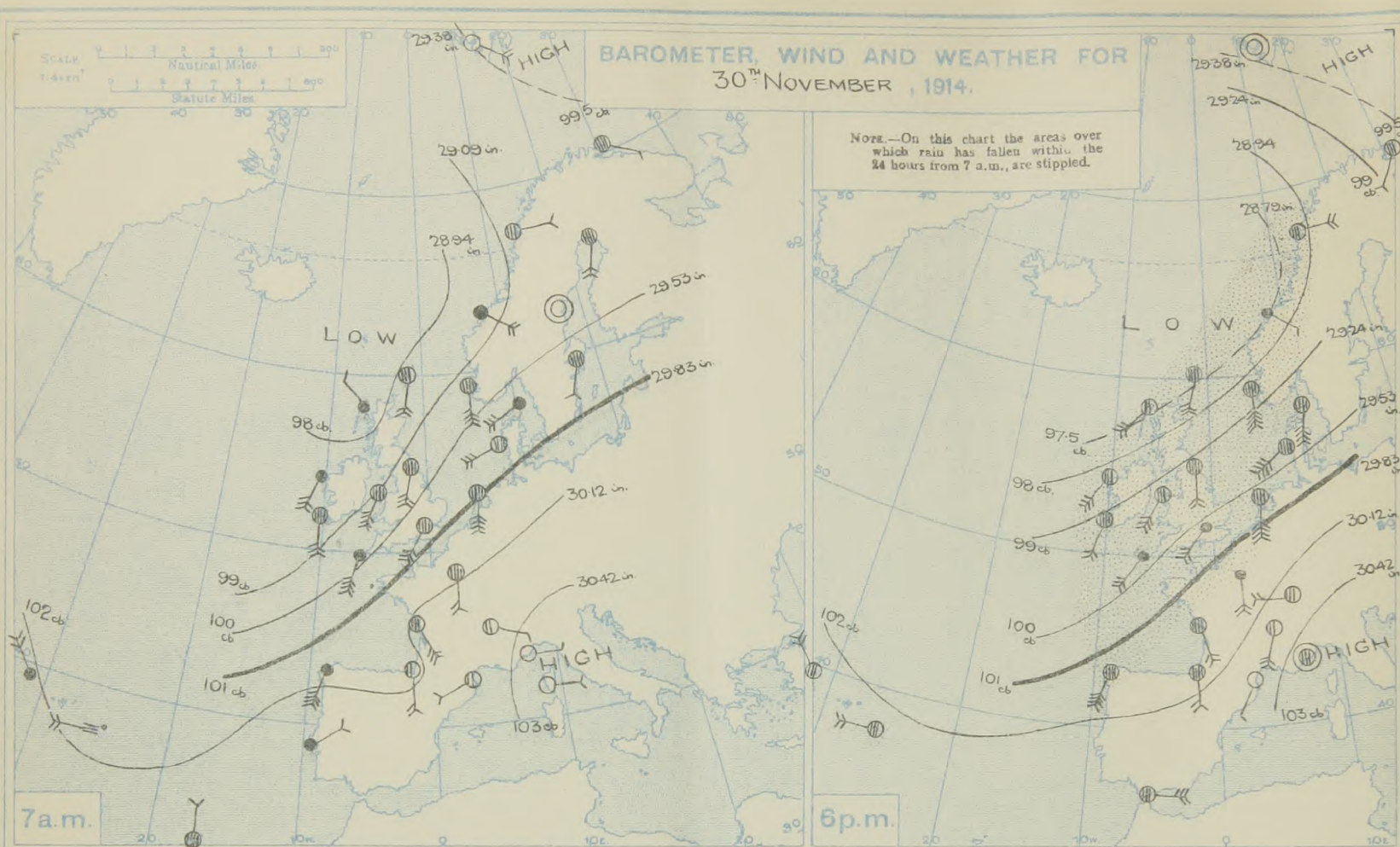
(Issued as a Supplement to the Daily Weather Report of December 1st.)

OCTOBER.	STATIONS.	PRESSURE. 1906-1910.	AIR TEMPERATURE.								RAINFALL. 1876-1910.		BRIGHT SUNSHINE. 1881-1910.	
			Means of				Absolute Extremes.							
			1806-1910.		1876-1910.		1876-1910.							
			Dry Bulb 7 a.m.	Wet Bulb 7 a.m.	Daily Maxi- mum.	Daily Mini- mum.	Maximum.		Minimum.					
							Temp.	Year.	Temp.	Year.				
		In.												
	Sumburgh Head	29.798	47.3	45.8	50.1	42.0	63	1908	28	1887	25	4.12	—	—
	Stornoway	29.772	47.6	46.2	51.9	40.9	70	1898	26	1880	24	5.36	85	27
	Castlebary (Barra Isd.) ..	[29.881]†	[51.0]†	[49.2]†	[54.1]†	[48.3]†	[63]†	[1908]†	[34]†	[1909]†	[19]†	[3.11]†	[80]†	[25]†
	Malin Head	29.755	49.8	48.8	53.0	45.6	73	1908	32	1882	21	3.11	—	—
	Blackod Point	29.765	51.5	49.4	54.5	45.9	71	1908	29	1895	23	5.10	—	—
	Valencia	29.786	52.1	49.7	56.5	46.5	71	1908	28	1892	22	5.23	101	31
	Roche's Point	29.817	51.5	50.5	56.1	46.4	65	1880, 4, 6	32	1881	18	4.05	—	—
	Birr Castle	29.810	47.8	46.7	54.9	40.9	74	1908	22	1880, 1905	18	2.87	96	30
	Donaghadee	29.828	49.5	48.2	54.1	44.1	66	1898	21	1892	18	2.97	—	—
	Liverpool (Observatory) ..	29.863	48.9	47.2	54.1	44.8	73	1908	27	1895	19	3.36	[96]†	[30]†
	Holyhead	29.831	51.7	50.4	54.9	47.0	75	1908	32	1892	19	4.08	—	—
	Pembroke (St. Ann's Hd.) ..	29.825	52.0	50.5	55.3	48.2	67	1908	33	1895	19	4.18	103	32
	Scilly (St. Mary's)	29.944	53.5	51.8	57.3	50.3	69	1895	38	1895, 96	21	3.70	117	36
	Jersey (St. Aubin's)	29.900	54.6	52.5	59.0	49.4	76	1908	33	1887	21	4.53	126	38
	Portland Bill	29.882	54.6	53.2	56.9	48.6	[67]†	[1908]†	[35]†	[1905, 08]†	17	3.86	—	—
	Dungeness	29.897	53.6	52.0	57.2	46.3	70	1886, 1908	23	1890	17	3.23	—	—
	Dover	[30.017]†	[52.6]†	[51.3]†	[58.8]†	[48.4]†	[74]†	[1908]†	[30]†	[1909]†	[18]†	[4.39]†	[120]†	[37]†
	Wick	29.796	47.3	45.5	52.2	40.6	73	1898	22	1885	21	3.09	—	—
	Nairn	29.796	45.4	43.7	52.9	39.5	76	1908	19	1896	19	2.50	[108]**	[35]**
	Aberdeen	29.840	47.7	46.4	52.8	41.5	74	1883	25	1880	20	2.95	87	31
	Leith	29.828	48.8	46.8	54.9	42.0	75	1908	25	1894	17	2.40	—	—
	North Shields	29.859	48.9	47.6	54.0	42.4	77	1908	27	1890, 92, 95, 1909	18	2.97	—	—
	Spurn Head	29.873	51.5	50.1	54.4	46.0	[70]*	[1900]*	[33]*	[1887, 95]*	17	2.40	—	—
	Yarmouth	29.905	51.9	50.3	54.9	45.2	74	1900, 08	27	1895	18	2.88	[107]†	[33]†
	Clacton-on-Sea	29.912	52.7	51.3	55.6	45.7	[71]†	[1908]†	[29]†	[1905]†	14	2.00	[108]†	[33]†
	Nottingham	29.887	48.1	47.4	55.3	41.9	78	1908	20	1890	20	2.57	[85]†	[26]†
	Bath	29.893	49.9	48.5	57.1	42.8	[77]†	[1908]†	[24]†	[1905]†	15	3.18	97	30
	Oxford	29.917	49.7	48.5	56.0	42.6	76	1886, 1908	23	1890	16	2.78	99	31
	LONDON { Westminster	29.900	51.4	50.1	[58.8]†	[46.7]†	[79]†	[1908]†	[29]†	[1905, 09]†	[17]†	[2.33]†	71	22
	LONDON { Kew	29.912	50.2	49.0	56.0	43.4	77	1886	25	1881, 95	17	2.70	93	29
	Sumburgh Head	29.729	42.1	40.5	46.1	38.7	58	1901	25	1880, 98, 04	24	4.00	—	—
	Stornoway	29.782	42.6	41.4	47.3	37.8	58	1897, 01, 02	20	1880	24	5.61	42	18
	Castlebary (Barra Isd.) ..	[29.811]†	[45.2]†	[43.3]†	[48.5]†	[41.3]†	[56]†	[1908, 09]†	[32]†	[1909, 10]†	[21]†	[4.00]†	[81]†	[26]†
	Malin Head	29.811	44.9	43.8	48.6	41.8	[59]†	[1894, 9, 06]†	[30]†	[1909]†	[21]†	[3.20]†	—	—
	Blackod Point	29.868	46.2	44.3	50.3	42.1	[60]†	[1897, 99]†	[26]†	[1890]†	[23]†	[5.06]†	—	—
	Valencia	29.819	46.2	43.9	52.2	42.7	63	1881	27	1890, 96, 01	22	5.46	66	26
	Roche's Point	29.850	45.3	44.3	51.3	42.3	61	1908, 09	27	1890	19	4.32	—	—
	Birr Castle	29.913	39.9	38.9	49.2	36.8	62	1899	17	1909	18	3.06	64	25
	Donaghadee	29.880	43.6	42.6	49.1	39.8	60	1894, 99	27	1878, 83	19	3.07	—	—
	Liverpool (Observatory) ..	29.902	42.2	40.7	48.3	40.0	61	1894, 95, 99	22	1880	18	2.60	[75]†	[30]†
	Holyhead	29.887	46.2	44.6	50.1	42.8	62	1881	29	1880	19	4.19	—	—
	Pembroke (St. Ann's Hd.) ..	29.903	46.6	44.5	50.9	43.8	58	1884, 95, 97, 99, 01	23	1890	19	3.76	65	25
	Scilly (St. Mary's)	30.043	48.6	46.6	53.2	46.4	61	1898	29	1890	20	3.48	75	28
	Jersey (St. Aubin's)	29.953	47.9	45.8	52.8	44.3	66	1899	16	1890	21	4.18	77	29
	Portland Bill	29.915	48.0	46.3	51.6	43.7	[61]†	[1900]†	[30]†	[1902]†	15	2.48	—	—
	Dungeness	29.900	44.4	42.8	50.4	40.7	63	1899	17	1890	17	2.60	—	—
	Dover	[29.824]†	[44.2]†	[39.7]†	[48.0]†	[37.5]†	[59]†	[1908]†	[27]†	[1910]†	[10]†	[2.50]†	[106]†	[40]†
	Wick	29.780	41.5	40.0	46.9	36.8	62	1900	12	1909	20	3.02	—	—
	Nairn	29.788	40.1	38.6	46.8	35.5	62	1906	12	1904	18	2.24	[63]**	[27]**
	Aberdeen	29.815	40.4	39.1	46.8	37.2	62	1889	14	1909	19	3.05	55	23
	Leith	29.832	41.7	39.7	48.5	37.7	63	1885	18	1885	15	1.98	—	—
	North Shields	29.855	41.2	40.0	48.2	37.9	62	1894	20	1880	17	2.24	—	—
	Spurn Head	29.861	43.8	42.2	48.0	40.7	[61]*	[1894, 95]*	[28]*	[1884]*	15	1.80	—	—
	Yarmouth	29.887	43.3	41.8	48.1	39.4	60	1895, 8, 9, 04	23	1890	18	2.53	[83]†	[32]†
	Clacton-on-Sea	29.913	42.8	41.7	48.2	39.3	[60]†	[1908]†	[25]†	[1904]†	15	1.88	[75]†	[29]†
	Nottingham	29.904	40.5	39.5	48.2	36.9	63	1895	13	1904	19	1.89	40	16
	Bath	29.938	41.6	40.5	50.2	37.5	[64]†	[1879]†	[18]†	[1901]†	13	2.89	59	23
	Oxford	29.951	41.0	39.8	48.9	37.7	63	1899	17	1904	15	2.31	69	23
	LONDON { Westminster	29.919	42.6	41.4	[49.7]†	[38.6]†	[62]†	[1907]†	[25]†	[1905, 10]†	[15]†	[2.14]†	28	11
	LONDON { Kew	29.936	41.6	40.2	48.8	38.5	63	1876	21	1901	16	2.19	51	20
	Sumburgh Head	29.694	40.0	38.8	43.3	36.2	53	1890, 05	19	1877, 09	27	4.44	—	—
	Stornoway	29.698	40.1	39.2	44.1	35.0	55	1888	15	1880	26	5.94	24	12
	Castlebary (Barra Isd.) ..	[29.597]†	[44.0]†	[42.1]†	[47.0]†	[40.2]†	[53]†	[1908]†	[27]†	[1909]†	[26]†	[5.13]†	[36]†	[18]†
	Malin Head	29.631	42.4	41.7	45.6	38.6	[55]†	[1900, 04]†	[28]†	[1908, 09]†	[23]†	[3.15]†	—	—
	Blackod Point	29.683	44.6	42.8	47.5	39.8	[59]†	[1899]†	[25]†	[1908]†	[26]†	[5.83]†	—	—
	Valencia	29.752	45.5	43.3	49.9	40.8	57	1884, 88, 99, 1900	24	1886	25	6.32	41	17
	Roche's Point	29.767	44.2	43.3	48.6	40.2	57	1906	25	1882	22	5.19	—	—
	Birr Castle	29.735	40.3	39.3	45.7	34.4	58	1877, 1900	8	1878	20	3.10	43	19
	Donaghadee	29.712	41.8	41.0	45.6	36.8	56	1885, 88, 94, 09	20	1879	21	3.08	—	—
	Liverpool (Observatory) ..	29.760	40.4	38.8	44.4	36.3	59	1891, 98, 1900	13	1878	18	2.63	[48]†	[21]†
	Holyhead	29.729	43.8	42.6	46.6	39.5	56	1888	26	1878, 90, 02	20	3.95	—	—
	Pembroke (St. Ann's Hd.) ..	29.750	44.7	42.9	47.8	40.9	57	1899, 02	19	1890	22	4.18	42	18
	Scilly (St. Mary's)	29.916	47.1	45.0	50.6	44.1	58	1899, 00	30	1890	22	4.28	56	23
	Jersey (St. Aubin's)	29.858	45.1	43.2	48.4	40.7	61	1876	22	1890	21	3.85	60	24
	Portland Bill	29.795	45.											

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday,
1st December 1914.

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.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.																						
Lerwick ...	972.5	45	SSW	5	opq	978.7	0	45	-2	SSW	6	3	bcq	5	5	48	42	r	opq	bcq	*	
Deerness ...	976.3	41	SW	4	opq	978.3	0	41	-4	SSW	5	SW	bcq	6	2	49	33	opq	opq	o.c.b.bc	0.0	
Stornoway ...	974.4	41	SW	5	bcq	976.4	+2	43	+1	SW	7	SW	opq	6	9	46	39	opq	op.bcq	phq.thr	0.1	
Castlebay (Barra Isd.)	977.0	46	SW	6	o	978.9	+1	46	-4	SW	7	SW	bcpl	6	3	50	40	op.c	chp.o	tlh.be	0.0	
Glasgow ...	985.1	43	SW	4	bc	987.4	+1	41	-11	SSW	4	-	o	*	12	52	39	rq.opq	pq.dhp	bchp.o	0.2	
Eskdalemuir ...	987.9	42	SW	6	o	990.4	+2	40	-9	SW	6	SW	opq	*	14	51	35	orq.c	o	o.c.b.c.s	0.0	
Malin Head ...	982.3	40	SW	6	bc	982.2	-2	40	-7	SSW	9	-	ogl	8	8	47	37	crq	bcq	agl	0.6	
Markree Castle ...	986.4	38	S	3	b	989.1	*	40	-7	SSW	4	-	c	*	17	*	*	oprh	opt	o.cpl	0.6	
Blacksod Point ...	985.6	43	SSW	6	cfp	985.7	+2	45	-3	SSW	6	SW	cpl	6	8	50	39	cp	cp	cp	*	
Valencia ...	991.4	46	SSW	4	bc	993.6	0	45	-6	S	6	-	cgu	6	11	51	38	cphq	bcq	cpqt	3.0	
Roche's Point ...	994.2	46	WSW	3	b	997.2	*	48	-6	S	5	-	o	6	3	54	42	cpq	cp.b	cp.ci	*	
Birr Castle ...	990.7	39	SW	2	b	994.1	*	42	-12	S	6	-	o	*	7	54	38	c.opq	o.cpq.b	c.opq	3.2	
Donaghadee ...	987.7	41	WSW	5	bcq	987.4	+4	38	-13	WSW	6	W	bcq	4	6	52	37	cpq	bcq	bcq	*	
Liverpool (Bidston) ...	993.5	50	SW	4	o	995.9	+3	42	-13	SW	5	-	b	4	3	58	42	o.bcp	opq	p.b	1.8	
Holyhead ...	992.4	50	SW	6	cpq	995.0	+5	45	-9	SW	6	SW	bcq	6	1	56	44	o.cpq	cpq	bcq	0.6	
Pembroke (St Ann's) ...	997.3	50	SW	6	c	999.6	+5	43	-4	SW	7	SW	bcq	6	6	54	45	omq	omq	cpq	0.1	
Newquay ...	997.3	50	SW	6	c	999.6	+5	43	-4	SW	7	SW	bcq	6	6	54	45	omq	omq	cpq	0.1	
Scilly (St. Mary's) ...	998.9	52	SW	5	orm	1002.7	+5	49	-6	WSW	6	SW	bcq	7	14	55	47	orm	orm	orm	0.0	
Falmouth ...	993.4	51	SSW	6	o	1004.7	+5	48	-7	SE	4	-	o	5	8	56	47	r.dp	opq	rq.c	0.0	
Jersey (St. Aubin) ...	1006.8	55	SSW	4	oppm	1009.8	*	52	-1	SE	4	SW	or	4	14	56	50	orm	orm	orm	0.0	
Portland Bill ...	1002.0	53	SW	6	or	1004.9	+4	52	-1	WSW	8	W	bcq	6	27	55	50	orm	orm	orm	0.0	
Dungeness ...	1003.2	53	SW	9	orq	1006.5	+4	52	0	SW	6	SW	c	5	12	53	48	orm	orm	orm	0.0	
Dover ...	1004.9	53	SW	8	or	1008.2	+5	51	0	SW	5	SW	o	6	6	55	43	orm	orm	orm	0.0	
Wick ...	978.3	40	WSW	4	o	980.8	+2	40	-4	WSW	3	-	c	5	6	48	34	orm	orm	orm	*	
Nairn ...	979.9	39	SW	4	rq	982.0	*	38	-9	WSW	2	-	bc	2	15	47	35	r.cp	d.bc	pq.w	0.0	
Aberdeen ...	982.5	42	SSW	5	bc	985.0	+1	40	-12	SSW	5	-	b	3	11	53	40	bc.or	c.bc	bcq	0.7	
Leith ...	986.7	45	SW	3	b	987.1	+1	43	-12	SSW	2	-	c	*	10	55	41	orm	orm	orm	*	
Tynemouth ...	990.1	50	S	4	omq	991.8	0	44	-9	SW	4	-	c	4	1	58	41	orm	orm	orm	*	
Spurn Head ...	996.1	53	WSW	5	o	998.1	+1	47	-8	SW	6	-	bcq	5	3	55	43	orm	orm	orm	0.0	
Yarmouth ...	1001.1	55	SSW	5	opq	1002.9	+3	50	-1	WSW	4	SW	o	2	5	55	47	orm	orm	orm	0.0	
Clacton-on-Sea ...	1002.4	51	SSW	4	agd	1004.6	+3	48	0	SW	3	SW	opq	3	8	51	48	agd	agd	orm	0.0	
Nottingham ...	997.1	53	SW	4	o	999.1	*	44	-11	SW	5	SW	b	*	7	53	43	op	op	op	0.0	
Bath ...	1000.7	52	WSW	3	o	1004.7	*	46	-9	SW	4	-	b	*	12	58	46	g.or	g.or	g.or	0.0	
London (Kew Obsy.) ...	1002.3	55	SW	5	or	1005.3	+6	50	-3	SW	4	SW	o	*	17	55	49	orm	orm	orm	0.0	
ICELAND, FAEROE, &c.																						
Spitsbergen ...	996.8	-22	-	0	b	990.6	+12	-20	-5	-	0	*	b	*	-	1	-22	GALES.				
Isafjord ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Duration and Extreme Force				
Reykjavik ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	in British Islands.				
Vestmanna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Stornoway				
Seydisfjord ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30th night - 1st morning Squalls 8				
Thorshavn ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Castellau				
Vardö ...	981.1	30	SW	2	c	975.5	-12	34	0	WNW	1	-	m	3	*	34	30	30th 10pm - 1st 7am. SW 8				
Bodö ...	976.7	49	E	4	c	973.0	+5	37	+1	SSW	4	-	m	3	18	48	39	Glasgow				
Christiansund ...	972.6	43	SE	1	r	969.5	+2	43	+2	W	3	-	b	4	21	48	39	30th 3pm - 1st 7am. SW 8				
Skudesnaes ...	982.6	50	S	10	o	986.6	0	46	0	SSW	6	-	o	6	6	50	45	Hollyhead				
Færder (X'ianta fjord) ...	990.6	46	SSW	9	m	993.6	0	45	-1	SSW	6	-	m	4	1	46	45	30th 1pm. SW 8				
The Scaw (Skagen) ...	996.7	43	SSW	7	c	996.3	-2	48	-2	SW	3	-	r	4	6	50	43	Pembroke				
Blaavands Huk ...	1001.1	48	SW	8	o	993.5	-1	48	+2	SW	6	-	o	5	9	48	45	30th 7am - 8am. SW 8				
Haparanda ...	993.9	36	SE	4	o	976.0	-11	41	+7	SW	8	-	o	*	5	41	34	30th 4pm - 1st 7am. SW 9				
Hernösand ...	991.1	39	-	0	s	967.7	+7	46	+14	S	4	-	bc	*	3	46	28	Portland Bill				
Stockholm ...	1001.3	46	SSW	2	o	999.3	0	46	+10	SW	2	-	o	*	Trace	48	36	30th 7am - 1st 1pm. SW 9				
Wisby ...	1007.5	45	SSW	4	o	1005.1	0	46	0	SSW	6	-	o	*	1	50	43	Dungeness				
Karlstad ...	997.1	43	S	6	o	996.3	+3	45	+4	SW	4	-	o	*	2	46	41	30th 7am - 8pm. SW 10 at Noon				
St. Petersburg ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Dover				
The Helder ...	1004.8	50	S	8	o	1004.7	+2	50	+4	SSW	8	-	o	5	4	52	46	30th 2pm. SW 9				
Brussels ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6pm. SW 8				
C. Gris Nez ...	1006.1	50	SSW	7	r	1007.4	+3	48	-1	WSW	7	*	r	6	4	54	48	Aberdeen				
La Hève ...	1008.2	51	SSW	6	o	1011.4	*	50	0	SW	4	*	r	4	2	54	46	1st. 4am. gust SW 13mps (S)				
Ushant ...	1004.2	54	SW	6	r	1008.4	*	54	0	W	6	*	c	7	-	55	48	Nottingham				
Brest (St. Mathieu) ...	1006.9	54	SSW	5	r	1010.4	+2	53	+3	W	4	*	o	5	7	55	50	Noon - 3pm 30th. SW 8 at 2pm.				
Rochefort (Ile d'Aix) ...	1013.0	50	S	4	o	1017.0	+3	50	+7	S	5	*	o	*	-	54	43	London (Kew Obsy.)				
Biarritz ...	1019.1	61	S	3	o	1017.7	0	59	+4	SSW	5	*	c	3	-	63	59	Gusts force 8 at. 30th 11.15am, 1.10pm, 1.42pm, 2.14pm. 1st, 2.30am, 4.15am				
Paris ...	1015.9	52	SSW	4	o	1015.0	+1	52	+4	S	4	-	o	*	1	54	48					
Belfort ...	1024.0	45	W	3	c	1023.0	*	41	0	W	3	*	c	*	-	52	36					
Lyons ...	1025.7	49	SSW	5	bc	1025.7	*	49	+16	S	3	*	c	*	-	53	47					
Nice ...	1031.3	47	-	0	c	1033.1	0	44	+3	-	0	*	b	2	-	55	41					
Perpignan ...	1025.1	45	SW	1	b	1023.9	+3	39	+2	WSW	1	-	bc	*	-	57	36					
Sanguinaire ...	...	52	W	2	b	...	*	51	-1	E	2	*	b	2	-	63	45					
SOUTHERN EUROPE.																						
Corunna (7 a.m.)	1014.6	59	SSW	8	o	1017.5	+3	52	-3	SSW	2	-	r	5	35	67	50					
Madrid (8 a.m.)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lisbon (9 a.m.)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gibraltar ...	1027.7	59	E	5	c	1026.7	*	58	0	E	5	-	bc	2	-	61	57					
Rome ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Azores (Horta, 8 a.m.)	1021.7	*	NW	4	c	...	...	...	...	...	...					



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.

South Coast.

North Coast.

Signals hoisted this morning.

South Coast.

North Coast.

Cones hoisted
8.35 a.m. &
2.50 p.m.

Western Channel and Bay

Increasing Southerly and South-Westerly winds;
cold, changeable, some showers.

Moderate South-Westerly to Strong Southerly winds;
fair at first, becoming showery or rainy by to-night or
to-morrow; temperature above the normal.

Strong South-Westerly to Southerly winds, a gale
in places; fair at first, rain later; temperature above
the normal.

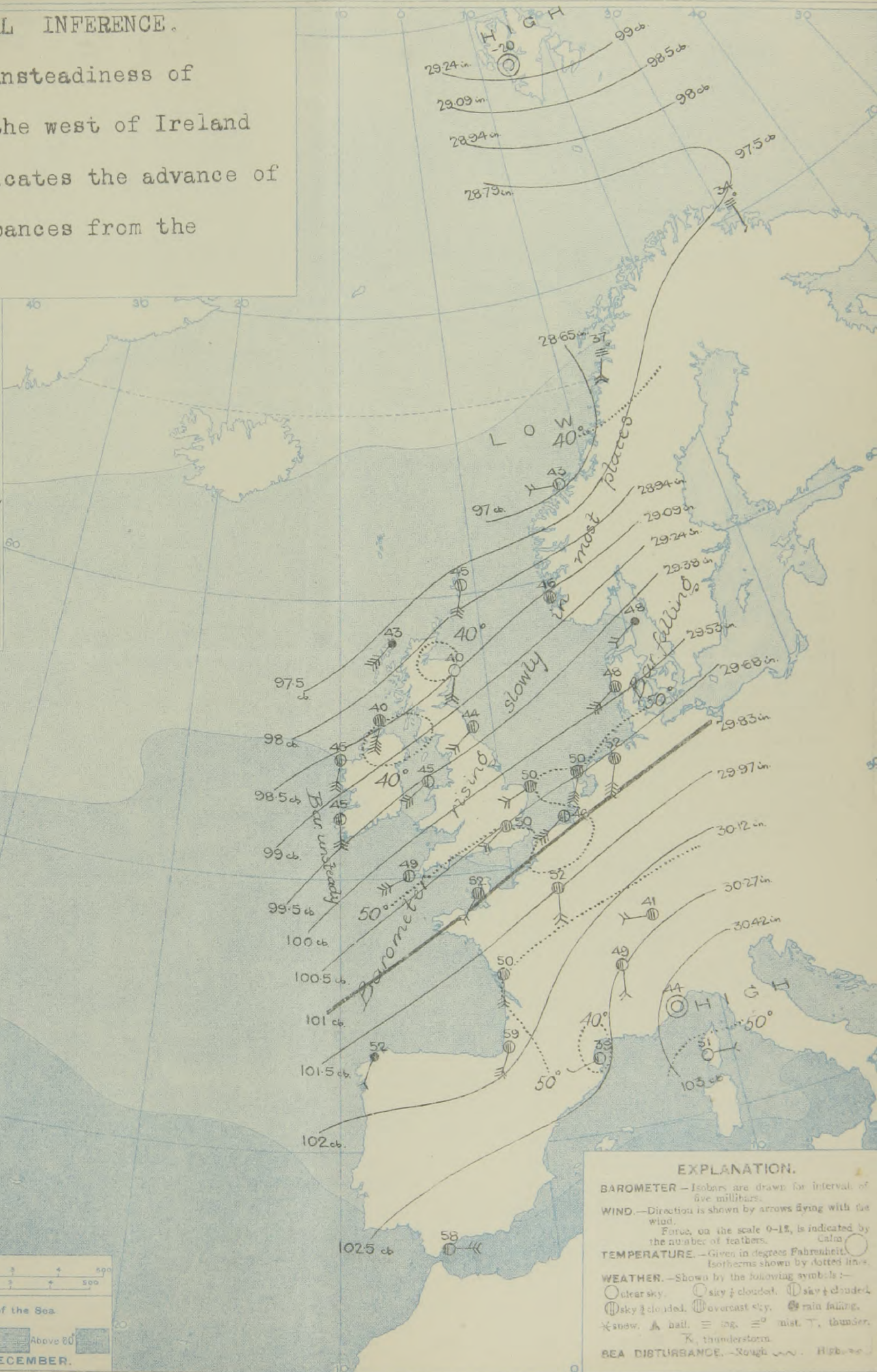
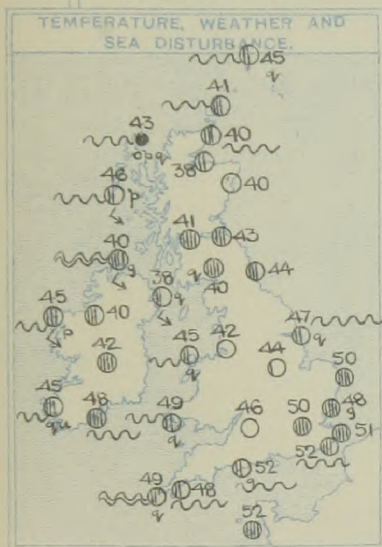
Strong Southerly and South-Westerly winds, a gale
in places; cloudy, squally, some rain; temperature above
the normal.

Strong South-Westerly winds and a rough sea;
squally, showery; temperature above the normal.

FURTHER OUTLOOK.

GENERAL INFERENCE.

An unsteadiness of pressure in the west of Ireland probably indicates the advance of fresh disturbances from the Atlantic.



EXPLANATION.

BAROMETER.—Isobars are drawn for interval 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.

ISOOTHERMS.—Shown by dotted lines.

WEATHER.—Shown by the following symbols:—

Clear sky, sky & clouded, overcast sky, rain falling, snow, hail, fog, mist, thunder, thunderstorm.

SEA DISTURBANCE.—Rough, High.

DAILY WEATHER REPORT.

Tuesday, 1st December, 1914.

REPORTS FOR YESTERDAY. 30th November	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.												Rain- fall. Milli- metres.		TEMP.	
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Max.					Min.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 8 hours	Dry Bulb	Change in 24 hours.	Direc.	Force 0-12.										
Haparanda	986.1	41	WSW	4	bc	992.0	+1	34	SW	4	-	-	0	*	-	41	34					
Hermesand	991.8	39	S	2	c	998.9	+1	32	-	0	-	-	0	*	-	41	28					
Stockholm	1002.3	39	SW	2	o	1004.3	+3	36	SSW	2	-	-	0	*	-	43	10					
Wistby	1007.9	45	SW	4	o	1007.6	0	46	SW	2	-	-	0	+	19	50	37					
Karlstad.	999.9	39	SW	4	r	1000.2	-3	41	S	4	-	-	0	+	4	45	36					
Rome	1027.7	48	-	0	L	1030.4	+1	36	7	1	-	-	0	+	-	52	36					
Funchal	1027.4	63	N	2	c	1026.0	-1	57	2	2	7	-	0	2	-	66	57					

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.							Tunbridge Wells ...	27	54	50	or	or	0.0
Banff ...	10	55	40	r.u.	n.c.bc	0.0	Margate ...	1	55	50	cdg	cdg	0.0
Carnoustie ...				*	*		Ramsgate ...	2	53	42	q	q	0.0
St. Andrews ...	7	53	42	*	*	0.4	Folkestone ...	4	52	50	or	or	0.0
England, N.E.							Littlestone ...	*	*	*	*	*	
Harrogate ...	3	57	43	op	r.o	0.0	Hastings ...	5	53	51	op.co	or	0.0
Scarborough ...	*	59	50	o	o	0.2	Bexhill-on-Sea ...	9	54	51	or	or	0.0
Skegness ...	1	56	48	o	or	0.0	Eastbourne ...	4	54	43	org	org	0.0
England, N.W.							Seaford ...	14	58	52	c.r	r	0.0
Douglas (I. of M.) ...							Brighton ...	13	54	52	or	r	0.0
Morecambe ...	5	57	50	o	bc.o	1.0	Worthing ...	14	58	51	rq	rq	0.0
Blackpool ...	4	56	50	or.c	org	1.0	Littlehampton ...	17	54	43	od.o	or	0.0
Southport ...	4	57	49	o.c	o.c.o	1.3	Bognor ...	17	54	51	r	r	0.0
Midlands.							Southsea ...	9	55	52	or	or	0.0
Buxton ...	7	53	47	or	or	0.0	Bournemouth ...	8	55	51	r.or	or	0.0
Leamington Spa ...	4	58	40	o	or	0.0	Weymouth ...	20	55	52	or	r.o	0.0
Maivern ...	1	56	49	c	c	0.0	Exmouth ...						
Ross-on-Wye ...							Teignmouth to 9 p.m. ...	24	57	51	r	r	0.0
Wales.							Torquay ...	28	56	52	or	r.o	0.0
Rhyl ...	2	58	52	c.bc	bc	1.5	Paignton ...	26	57	51	or	op	0.0
Colwyn Bay ...	5	56	51	bcg	bc	0.8	Plymouth ...						
Llandudno ...	4	60	47	c	or	1.0	Falmouth ...	16	57	51	rdp	org	0.0
Bettws-y-Coed ...							Penzance ...	9	56	53	or	om	0.0
Aberystwyth ...	7	55	50	r.oe	o.or	0.3	Bude ...						
Tenby ...	22	58	49	r	r	0.0	Ilfracombe ...	13	57	51	or	o	0.0
Swansea ...	15	54	50	rq	r	0.0	Weston-super-Mare ...	5	58	50	or	r.c	0.0
England, E.							Norwich ...	10	56	51	od.spm	om	0.0
Cromer ...	2	58	51	o.c	o.c.r	0.0							
Lowestoft ...	1	53	49	op	o	0.0							
Felixstowe ...	1	51	46	org	org	0.0							
Walton-on-Naze ...	2	51	46	or.org	org	0.0							
Southend-on-Sea ...	1	54	47	r.op	org	0.0							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	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.										
	%	%	Hr.	° F.	° F.	F.	mm. §			
Greenwich (Royal Obs.) ...	83	73	0.0	56	49	43	10	or	or. bc	b
City (Bunhill Row) ...	*	*	0.0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	86	72	0.0	57	50	43	13	or	or. p	p. bc
Camden Sq. (Brit. Rainfall)	89	75	0.0	56	48	42	18	or	o. or	*
Hampstead (Reservoir) ...	*	76	0.0	54	43	34	19	or	or	bc
Richmond Park ...	*	*	0.0							
Kew. (See front page.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Total.		Average Rate.		Max. Rate.		
S. Kensington (Roof of M.O.)	88	70	0.0	46 Joules		1.6 Milliwatts.		5 Milliwatts.		

Additional Observations for Yesterday.

STATIONS.	RAIN FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
Dublin to 4 p.m.	mm. §	° F.	° F.	° F.				Hr.
Darwen to 9 p.m.								"
Manchester "				"				"
Birmingham "					"			"
Oxford to 8 p.m.	"							"
S. Kensington (Museum Grounds to 6 p.m.)	7	56	52	49	o. or	or	or q.	"

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

Dec. 1st 1914.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.42	11.42	3.43
Greenwich ...	7.43	11.42	3.42
Wick ...	7.45	11.49	3.54
Valencia ...	8.39	12.1	3.25
	8.39	12.1	3.24
	8.28	12.30	4.32
	8.29	12.30	4.32

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 55° and upwards in several parts of the United Kingdom, and touched 60° at Llandudno. Heavy rain fell in many places, and a gale from the South-Westward was experienced on several portions of our coast. Thunder and lightning occurred at night in Ireland and the Hebrides.

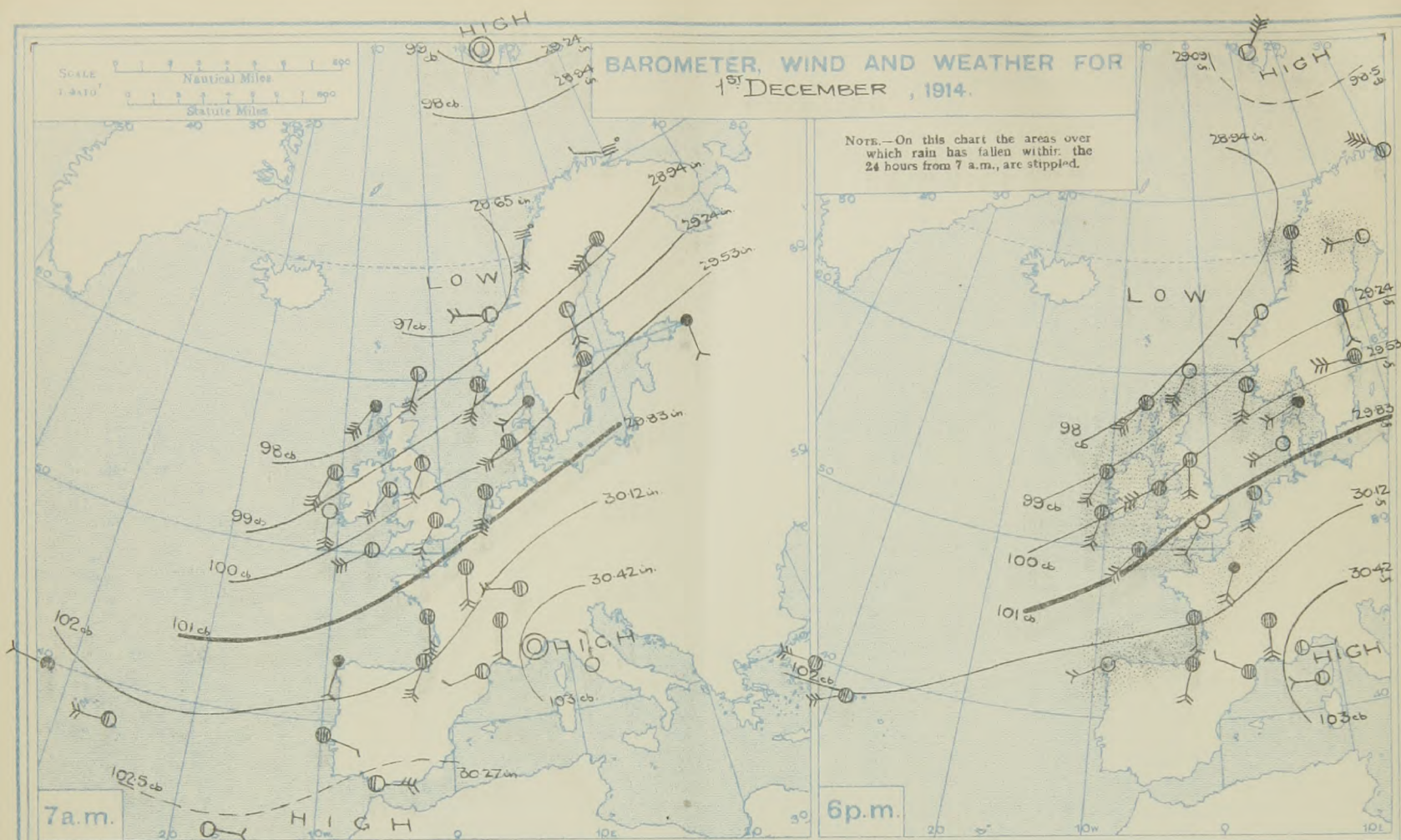
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded;
c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail;
l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No.

Wednesday,
2nd December, 1914.

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.		Dirac. of Upper Cloud.	Weather.	Sea 9-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick ...	981.5	45	SW	6	oqp	993.1	+12	42	-3	WNW	4	-	c	4	3	45	40	c	oqp	cpq	*
	Deerness ...	983.7	41	SSW	6	c	997.3	*	40	-1	W	2	-	b	3	2	42	39	bc.c	oqp	cp.bc.b	0.0
	Stornoway ...	979.4	44	SW	7	cpq	996.4	+4	40	-3	SW	3	SW	c	3	5	45	37	opq.	cpq	c.bc.pq	0.0
	Castlebay (Barra Isd.)																					
	Glasgow ...	994.2	43	SW	5	c	1002.2	+2	41	0	SE	2	-	ogd	*	1	43	39	c.ogp	p.c.og	hpq.co	0.2
	Esksdalemuir ...	997.4	42	SSW	5	og	1003.9	-2	40	0	SE	3	-	op	*	3	42	34	og.og	og.og	og.og	1.2
	Malin Head ...	989.3	40	SW	9	omc	993.2	-5	39	-1	S	7	-	omr	7	1	42	38	bcq	ogq	bcq	2.5
	Markree Castle ...	994.2	37	S	5	o	989.1	*	47	+7	SSE	5	-	r	*	13			c.og	c.og	c.og	0.8
	Blacksod Point ...	991.3	43	SSW	5	cp	984.4	-3	46	+1	SSE	5	SE	or	5	7	46	43	op.oph	oph	op.bc	*
	Valencia ...	999.9	44	SSW	5	c	988.0	-4	49	+4	SSE	4	-	opq	6	31	53	41	opqht	bcqph	cmr	0.4
	Roche's Point ...	1002.7	46	SW	4	b	994.3	*	52	+4	SW	8	-	o	7	2	52	43	cpqph	cpqph.b	b.or	*
	Birr Castle ...	998.4	38	S	5	o	991.8	*	51	+9	S	6	-	o	*	12	51	47	opq	opq	opq	1.5
	Donaghadee ...	995.3	41	SW	6	o	998.1	-7	46	+8	SSW	3	-	omr	2	4	46	37	bcq	omq	bcq	2.5
	Liverpool (Bidston)	1003.1	42	S	4	r	1006.1	-3	45	+3	SE	4	-	op	4	5	48	40	b.op	bcpl	bc	2.5
	Holyhead ...	1000.3	44	WSW	7	ogpht	1001.1	-5	52	+7	SSW	7	-	opq	6	4	52	43	opq.bc	cpqph	cp.dp	2.6
	Pembroke (St. Ann's)	1005.3	50	SSW	8	o	1004.7	-4	52	+3	SSW	7	-	cpq	7	4	52	43	bcq	cpq	cpq	2.1
	Scilly (St. Mary's)	1008.4	50	SW	6	cpq	1004.9	-5	52	+3	S	7	S	cpq	7	2	52	47	bch	cpq	bcq	5.9
	Falmouth ...	1010.4	49	WSW	7	r	1008.2	-4	52	+4	SSW	6	-	c	5	1	52	45	bcq	bchq	og	4.6
	Jersey (St. Aubin)	1014.9	50	SW	3	bc	1017.8	*	50	-2	S	4	S	o	4	-	54	49	o.c.o	bc.b	bc.o	2.0
	Portland Bill ...	1010.6	51	SW	6	bcq	1014.1	-1	52	0	SSW	7	SW	bc	6	2	53	50	bcq	bcq	bcq	*
	Dungeness ...	1012.8	51	SW	5	cp	1013.1	+2	50	-2	SSW	6	SW	bcq	5	2	54	49	cp	cp	cp	1.4
	Dover ...	1013.5	50	SW	5	c	1019.3	+3	49	-2	SW	6	SW	c	5	0.4	52	48	o.c.b.or	o.c.b.c	c.b.c.c	1.4
Wick ...	985.3	41	SW	3	o	993.3	+10	37	-3	SW	1	-	bc	3	0.3	42	37	cpq	cp.omp	o.omp	0.5	
Nairn ...	987.8	38	SSW	5	cpq	999.5	*	37	-1	SW	1	-	bc	1	8	42	36	bcq	p.bcq	qr.c	4.1	
Aberdeen ...	990.6	41	SSW	6	b	1001.3	+8	41	+1	SW	1	-	c	2	-	44	40	bcq	bcq	bc.c	4.1	
Leith ...	995.9	44	WSW	4	bc	1002.0	+1	45	+2	SW	2	-	o	*	0.2	46	41	c.o	cpq.bc	o	*	
Tynemouth ...	1000.0	44	S	4	cmq	1005.6	0	44	0	SW	4	-	bcm	3	2	45	42	cm	cm	bcmp	*	
Spurn Head ...	1006.4	46	SSW	5	b	1012.0	+2	43	-4	SW	4	-	b	4	-	47	42	bcq	bcq	bc	4.8	
Yarmouth ...	1011.4	48	S	1	o	?	+2	45	-5	SSW	3	-	bc	2	0.1	52	42	c.b	b.o	bc	3.8	
Clacton-on-Sea ...	1011.4	47	SW	3	c	1017.3	0	47	-1	S	4	-	bc	3	-	50	46	og.c.bc	bc.c	b.bc.e	2.7	
Nottingham ...	1007.2	45	S	4	b	1011.2	*	45	+1	SW	4	SW	bc	*	2	49	41	cp.bc	bc.b	bc.b	4.6	
Bath ...	1010.5	47	SW	3	b	1012.8	-1	50	+4	SSW	3	SW	bc	*	1	53	39	b	b	b.bep.o	6.3	
London (Kew Obs.)	1011.8	48	SW	3	b	1016.1	-1	49	-1	SSW	5	-	c	*	2	52	45	o.b.bc	bc.b	b.b.c.c	2.1	
ICELAND, FAEROE, &c.	Spitsbergen ...	987.1	-6	NE	7	b	990.1	+8	-15	+5	*	0	*	b	*	*	-6	-20	GALES.			
	Isafjord ...																	Duration and Extreme Force in British Islands.				
	Reykjavik ...																	Lerwick.				
	Vestmanna ...																	1st. 7pm-5am. Sw. 8.				
	Seydisfjord ...																	Stornoway.				
NORTHERN EUROPE.	Thorshavn ...																	1st. 6pm. squalls SSW. 8.				
	Vardö ...	983.4	28	NW	9	bc	991.0	0	27	-7	W	1	-	bc	2	*	36	27	Malin Head.			
	Bodö ...	980.6	41	SSW	6	o	981.6	0	39	+2	SSW	5	-	o	3	14	41	37	2nd. 3am. SSW 8			
	Christiansund ...	985.9	45	SW	2	b	986.0	+1	43	0	W	2	-	c	4	-	45	43	1st. 6pm Sw 9			
	Skudenes ...	994.6	46	SSW	6	c	997.9	+2	45	-1	WSW	9	-	o	7	11	46	39	Scilly			
	Færder (X'ianiafjord)	998.9	45	WSW	7	b	1000.2	-4	45	0	WSW	9	-	o	4	4	45	43	1st. 5pm gust. 23mps (9)			
	The Scaw (Skagen)	1001.7	43	WSW	4	r	1005.7	0	43	-5	SW	5	-	o	4	8	48	41	Nairn			
	Blaavands Huk	1008.3	46	WSW	5	b	1012.0	+3	48	0	WSW	7	-	c	5	Trace	48	45	1st. 4pm-5pm SSW. 8			
	Haparanda ...	986.9	36	W	4	b	990.3	+1	34	-7	SW	4	-	o	*	1	41	30	Aberdeen			
	Hernösand ...	989.3	39	S	2	o	995.8	+7	36	-10	*	0	-	b	*	-	46	32	Noon 1st gusts SSW. 21mps (9)			
FRANCE, &c.	Stockholm ...	998.0	46	W	6	o	1006.7	+1	41	-5	SW	4	-	b	*	-	52	39	1st. 3pm. gusts SSW 22mps (9)			
	Wisby ...	1005.7	48	SW	6	o	1013.5	+3	43	-3	SW	4	-	b	*	-	48	41	Nottingham.			
	Karlstad ...	998.6	41	SW	2	o	1004.6	+1	43	-2	S	4	-	o	*	13	48	41	Roos 1st. SW. 8			
	Petrograd (G.M.T.)																	Esksdalemuir				
	The Helder ...	1013.2	48	SSW	5	c	1019.4	+3	46	-4	SSW	5	-	c	3	-	50	46	1st. 2pm. squalls SSW. 8.			
	Brussels ...	*	*	*	*	*																
	C. Gris Nez ...	1013.7	48	SSW	6	o	1020.3	+2	46	-2	SSW	6	*	c	5	3	54	45				
	La Hève ...	1017.1	47	SW	5	o	1021.3	*	46	-4	S	5	*	o	4	3	54	45				
	Ushant ...																					
	Brest (St. Mathieu)	1015.4	54	SW	5	bc	1014.0	+4	53	0	S	6	*	o	4	-	57	50				
SOUTHERN EUROPE.	Rochefort (Ile d'Aix)	1019.3	50	S	3	o	1023.1	-2	48	-2	SSE	4	*	c	*	10	52	48				
	Biarritz ...	1022.4	61	SSW	4	o	1023.5	0	55	-4	SSE	3	*	b	5	-	63	50				
	Paris ...																					
	Belfort ...																					
	Lyons ...	1026.6	51	S	5	o	1030.9	*	47	-2	SSW	1	*	b	*	-	52	46				
	Nice ...	1033.1	47	E	1	bc	1033.3	0	45	+1	E	1	*	bc	2	-	55	43				
	Perpignan ...	1024.8	46	WNW	1	o	1028.6	+2	37	-2	W	1	-	b	*	-	55	37				
	Sanguinaire ...	*	52	W	2	b	*	*	50	-1	E	2	*	b	2	-	63	45				
	Corunna (7 a.m.)	1022.6	55	WSW	3	b	1018.7	-4	54	+2	SSW	7	-	c	6	1	57	50				
	Madrid (8 a.m.)																					
Lisbon (9 a.m.)																						
Gibraltar ...																						
Rome ...																						
Azores (Horta, 8 a.m.)	1020.0	*	WSW	5	c																	
Madeira (Funchal)																						



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.

Cones hoisted
at
8.30 a.m.

Western Channel and Bay 11

- | | | | |
|----|---|---|--|
| 0 | a | } | Southerly and South-Easterly winds, increasing in force; fair at first, squally and rainy later; becoming temporarily milder. |
| 1 | b | | |
| 2 | a | } | Southerly winds, increasing in force; weather becoming squally and showery or rainy; temperature remaining above the normal. |
| 3 | b | | |
| 4 | a | } | Southerly and South-Westerly winds, increasing to a gale; weather becoming squally and showery or rainy; temperature above the normal. |
| 5 | b | | |
| 6 | a | } | Southerly to South-Westerly gales and strong winds; squally and rainy at first, improving temporarily later; temperature remaining above the normal. |
| 7 | b | | |
| 8 | a | } | Strong to high Southerly and South-Westerly winds; squally and showery, with a rough or high sea; temperature above the normal. |
| 9 | b | | |
| 10 | a | } | |
| 11 | b | | |

FURTHER OUTLOOK.

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

W. N. SHAW, Director.

Millibars
1050—31

1040

1030

1020

1010

1000

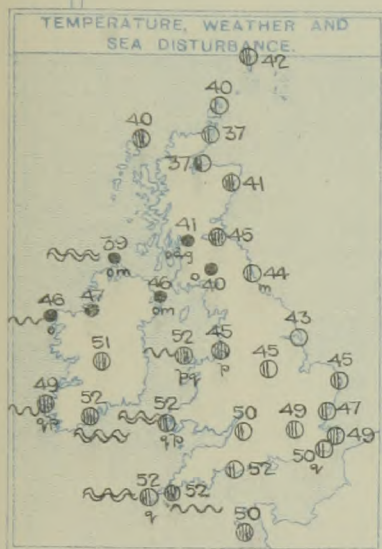
990

980

970

GENERAL INFERENCE.

A new depression which is approaching Ireland will move north-eastward and occasion rough, unsettled weather over the United Kingdom generally.

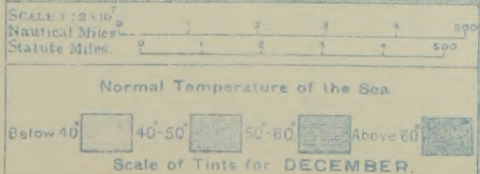


Inches.

31

30

29



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 ~~~~~

DAILY WEATHER REPORT.

Wednesday, 2nd December 1914.

REPORTS FOR YESTERDAY. 1st. December	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain- fall. Milli- metres.		TEMP.	
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-3.					
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.								
Petrograd.	1013.1	28	S	1	0	1003.3	-4	37		S	2	-	r	*	1	37	25			
Lisbon	1024.7	59	SSE	3	0	1024.2	0	52	-3	ESE	1	-	0	6	-	61	54			
Rome	1033.0	43	-	0	6	1033.3	0	34	-2	-	0	-	b	+	-	54	34			
Horta	-	-	-	-	-	1023.7	-2	55		W	4	-	bc	2	-	64	52			
Funchal	1024.2	63	ESE	2	c	1025.1	+1	59	+2	E	2	-	b	2	-	66	57			

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. & .	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall. mm. & .	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.						° F.	° F.			
Scot- land.	Oban ...	8	43	41	rq	0.0	Tanbridge Wells ...	16	52	48	m. bc	bc	1.4
	Banff ...	1	45	38	bc. r. bc	3.9	Margate ...	9	55	50	p	p	0.5
	St. Andrews ...				*		Ramsgate ...	12	52	46	o	q	0.8
Eng. N.E.	Harrogate ...	2	44	39	c. bc. or	2.0	Folkestone ...	5	52	49	bc. c	cv	1.1
	Scarborough ...	*	47	42	o. c	5.0	Hastings ...	13	54	49	or. c	o. c	1.0
	Skewess ...	5	49	43	b. o	5.5	Bexhill-on-Sea ...	20	53	49	c	c. or	1.0
Eng. N.W.	Morecambe ...	2	47	43	bc	2.5	Eastbourne ...	17	53	50	bc. q	o. q	0.2
	Blackpool ...	4	50	42	hp. c	2.2	Seaford ...						
	Southport ...	8	48	41	b. bc. c	3.2	Brighton ...	18	53	50	cp. c	o. c. o	1.0
Midlands.	Buxton ...	8	49	38	bc. r	2.5	Worthing ...	12	57	50	bc	c	1.2
	Leamington Spa ...	10	49	43	bc. or. b	4.8	Littlehampton ...	8	54	50	b. bc	bc. r. bc	1.7
	Malvern ...	11	49	43	bc	3.9	Bognor ...	8	52	50	b. bc	c	1.9
	Ross-on-Wye ...						Southsea ...	1	54	50	bc. c	or. o	1.9
Wales.	Rhyl ...	6	49	42	bc. r	1.0	Bournemouth ...	13	53	48	bc. c	c. bc	3.6
	Colwyn Bay ...	11	49	41	cr. thr	1.0							
	Llandudno ...	13	50	42	o. r	0.7	Weymouth ...	5	55	50	bc. p	p. bc	2.9
	Aberystwyth ...	7	50	42	o. c	2.5	Exmouth ...	3	53	49	bc	b. bc	3.2
	Tenby ...	5	52	38	b	0.0	Torquay ...	6	53	48	or. bc	p. bc	5.4
	Swansea ...	13	50	44	bc	2.9	Paignton ...	5	52	46	bc. q	bc. q	4.6
England, S.W.	Cromer ...	3	58	44	bc	5.1	Falmouth ...	10	53	47	bc	bc	5.2
	Lowestoft ...	4	52	48	bc	3.7	Penzance ...	10	53	47	bc	bc	5.2
	Felixstowe ...	7	52	47	b. gm	3.3	Newquay ...	10	51	46	bc	bc	5.5
	Walton-on-Naze ...	6	50	46	bc. c	2.7	Ilfracombe ...	17	51	44	pg. th. c	cp. q. c	2.6
	Southend-on-Sea ...	4	53	47	bc. b. bc	2.8	Weston-super-Mare ...	6	52	45	b	b	6.5

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Mip. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
				24 HOURS ENDED 9 A.M. TO-DAY.						
				° F.	° F.						° F.	mm. &
Greenwich (Royal Obsy.) ...	71	80	3.0	53	46	38	-	bc	bc	bc
City (Bunhill Row) ...	*	*	1.5	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	68	79	2.8	55	47	39	0.3	bc	bc.	b. or. o
Camden Sq. (Brit. Rainfall)	71	79	2.2	53	45	39	1	bc	bcc	*
Hampstead (Reservoir) ...	*	84	3.0	51	41	32	1	bc	bcc or o	o
Richmond Park ...	*	*	0.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	66	71	2.9	Total. 249 Joules		Average Rate. 8.5 Milliwatts.		Max. Rate. 24 Milliwatts.		

Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.		Sun- shine for Yester- day.
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
		Max.	Min.		After- noon.	
		° F.	° F.	° F.		
Dublin to 4 p.m.	1001.8					*
Darwen to 9 p.m.	17	44	37	33	or. bc	1.2
Manchester "	6	49	41	*	or. bc	3.1
Birmingham "	9	49	41	38	c	*
Oxford to 8 p.m.	*					*
Teignmouth to 9 p.m.	9	55	45	43	r. b	6.5
Plymouth "					b	*
S. Kensington (Museum Grounds to 6 p.m.)	11	56	49	40	o. c	*

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

2nd & 3rd Dec. 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.43	11.42	3.42
Greenwich ...	7.45	11.43	3.41
Wick ...	7.46	11.43	3.33
Valencia ...	7.48	11.50	3.52
	8.29	12.1	3.24
	8.41	12.2	3.23
	8.25	12.30	4.32
	8.31	12.21	4.21

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 50° and upwards at most of the English and Welsh stations, and touched 58° at Cromer. Rain fell in nearly all districts and thunderstorms occurred in Lancashire and North Wales. A gale from the South-West was experienced on many parts of our western and northern coasts.

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. and at the bookstalls at certain Railway Termini in London.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No.

Thursday,
3rd December 1914.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										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 5 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 6-9.	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.			
			° F.					° F.	° F.								° F.	° F.				Hours.		
BRITISH ISLANDS.	Lerwick	991.3	42	SE	10	org	964.7	-16	47	+5	S	8	3	cq	7	22	49	39	og	org	epq	*		
	Deerness	984.1	43	SE	7	org	963.4	*	45	+5	SSW	7	-	o	7	5	56	39	bc or	r.o	opq	0.0		
	Stornoway	976.9	49	SE	7	or	960.7	-3	45	+5	SSW	7	-	og	6	24	49	37	c.org	oig	c.opq	0.0		
	Castletay (Barra Isd.)																							
	Glasgow	982.7	49	S	7	org	979.7	+9	42	+1	SW	8	-	org	*	36	49	38	r	org	orth.gr	0.0		
	Eskdalemuir	987.6	47	SSE	7	or	986.2	+6	40	0	SSW	8	-	o	*	24	47	39	or	or	or	0.0		
	Malin Head	973.5	48	S	8	cgr	978.2	+18	42	+3	WSW	8	W	cpqm	8	11	49	39	ogq	cq	cmpq	0.0		
	Markree Castle	977.0	44	S	4	o	991.9	*	40	-7	WSW	4	-	c	*	14	*	*	op	ogp	ep.cq	0.0		
	Blacksod Point		45	S	5	cqp													cp	cqp	cp	0.0		
	Valencia	983.3	47	SW	6	bc	1001.6	+5	44	-5	SW	6	-	c	6	6	52	42	op	cqp	cpq	0.1		
	Roche's Point	986.5	48	WSW	5	c	1003.5	*	41	-11	WSW	4	-	bc	5	24	52	41	r.o	r.o.c.bc	bc	*		
	Birr Castle	981.1	46	S	5	c	997.1	*	39	-12	SW	5	-	o	*	14	52	38	q.or	o.cqp	org.oq	0.0		
	Donaghadee	982.1	48	SSW	5	omqr	983.9	+8	41	-5	SW	8	-	bcq	6	8	51	40	omqr	omqr	bcmpq	*		
	Liverpool (Bidston)	990.9	51	SSE	5	o	996.3	+5	43	-2	WSW	6	-	b	5	9	54	42	opq	op	bcq	0.0		
	Holyhead	987.3	49	S	7	omrg	996.4	+6	45	-7	W	8	W	bcq	7	18	53	44	sp.cq	omrg	op.cq.bc	0.0		
	Pembroke (St. Ann's)	989.9	50	SSW	8	c	1006.1	+7	46	-6	W	8	-	bcq	8	16	53	41	cpq	ow.pq	cu.q	0.0		
	Scilly (St. Mary's)	993.9	51	SSW	7	og													omqp	omqp				
	Falmouth	996.7	48	SSW	8	o	1009.2	+9	44	-8	W	4	-	b	5	12	53	42	og	opq	rgl.p.b	0.0		
	Jersey (St. Aubin)	1008.8	54	S	5	o	1012.2	*	48	-2	WSW	6	-	cpq	4	5	54	45	c.o	c	opq.c	0.7		
	Portland Bill	1001.6	55	S	8	o	1006.3	+5	48	-4	W	8	W	bcq	6	5	55	47	bc.cq	cq	or.cpq	*		
	Dungeness	1010.2	51	SSW	6	bq	1006.2	+5	47	-3	SSW	8	SW	rg	7	2	51	46	bcq	bcq	bcq	*		
	Dover	1010.3	50	SSW	7	bc	1008.1	+4	45	-4	SW	6	SW	or	6	3	54	45	c	bcq	bc.cq	0.0		
Wick	983.1	47	S	5	o	963.2	-5	46	+9	S	6	-	o	6	7	43	36	bcorm	ormw	o.c.omp	*			
Nairn	982.0	48	S	5	odq	966.0	*	43	+6	WSW	7	-	dqm	4	5	48	36	c.o	cdq	qp.c	0.0			
Aberdeen	987.0	50	SSE	7	o	972.6	0	43	+2	SSW	7	-	opq	6	6	51	40	org	ogp	opq	0.0			
Leith	985.1	51	SSW	4	o	979.4	+2	45	0	SW	7	-	r	*	3	53	43	or.o	og	cpq	*			
Tynemouth	994.2	51	S	7	omq	986.6	+3	45	+1	S	7	S	bq	5	4	51	41	cmq	omq	ompq	*			
Spurn Head	999.0	46	S	8	o	997.4	+2	45	+2	WSW	6	-	bcqp	5	1	50	42	og	og	cpq	0.0			
Yarmouth	1008.9	50	S	6	c	1002.9	+2	47	+2	SW	3	-	bc	3	1	53	42	bc.o	o.c	o.bc	0.6			
Clacton-on-Sea	1009.3	49	S	7	bc	1004.4	+3	47	0	S	3	-	c	3	0.4	52	46	bc.c.bc	bc.c.bc	bc.cq	0.6			
Nottingham	999.7	52	S	6	o	999.7	*	45	0	SW	6	SW	cp	*	3	54	44	c.o	c.o	op	0.5			
Bath	999.6	55	S	7	o	1005.7	+7	43	-7	SW	3	SW	c	*	9	56	43	c.oq	og	org.c	0.0			
London (Kew Obs.)	1005.8	54	SSW	7	og	1005.4	+5	45	-4	SW	4	SW	c	*	4	55	45	c.cq.og	og.cq.og	org.c	0.3			
ICELAND, FAEROE, &c.	Spitsbergen	992.2	-10	S	4	o	990.3	+11	-9	+6	-	0	*	b	*	-8	-18	GALES.						
	Isafjord												*	*	*	*	*	Duration and Extreme Force						
	Reykjavik												*	*	*	*	*	in British Islands.						
	Vestmanna												*	*	*	*	*	Lerwick 2nd 6pm-7am SE 10a 5pm						
	Seydisfjord												*	*	*	*	*	Deerness 2nd 11pm SE 8.						
	Thorshavn												*	*	*	*	*	Glasgow 2nd 1pm-6pm gusts S. 8.						
NORTHERN EUROPE.	Vardö	986.4	28	WSW	2	bc	985.1	0	30	+3	-	0	-	c	2	*	28	23	2nd 9pm-Midst 3.8 gusts 3					
	Bodö	984.0	41	SSW	6	r	989.1	0	37	-2	W	2	-	c	2	6	41	34	Eskdalemuir 2nd 9pm S. 8.					
	Christiansund	1004.0	41	NW	2	o	982.6	-11	46	+3	SE	4	-	o	4	4	46	37	" 9.12pm gusts 3.28mps (10)					
	Skudesnaes	1003.9	46	S	9	o	985.6	-3	48	+3	S	10	-	o	8	10	48	43	3rd 2am-7am SSW 9.					
	Færder (X'aniafjord)	1011.7	45	SSW	6	o	998.7	-8	45	0	SSE	7	-	o	4	-	46	43	Malin Head 2nd 7am-4pm S. 8.					
	The Scaw (Skagen)	1014.3	43	WSW	4	o	1001.3	-8	46	+3	S	7	-	o	5	1	48	41	Roche's Point 2nd 7am-3rd 4am S. 8.					
	Blaavands Huk	1016.4	45	SW	5	m	1003.1	-4	48	0	S	7	-	o	5	-	48	41	Birr Castle 2nd 7am-3rd 4am S. 8.					
	Haparanda	991.5	34	N	2	b	992.9	+8	36	+2	SW	6	-	b	*	-	34	30	Donaghadee 2nd 7am-4pm SSW 10a 2pm					
	Hernösand	996.3	39	SW	2	bc	1005.3	-5	37	+1	SW	4	-	o	*	-	43	36	" 10pm-2nd 7am SW 10 gusts					
	Stockholm	1009.2	45	W	4	c	1011.8	-5	41	0	S	4	-	c	*	-	45	37	Holyhead 2nd 7am-6pm S. 9					
	Wisby	1016.7	45	SW	6	b	1016.0	-6	48	0	S	2	-	b	*	1	48	39	gusts 28mps (10)					
	Karlstad	1011.5	43	SW	4	bc	1005.3	-8	43	0	S	4	-	o	*	1	48	41	Pembroke 2nd 3am-3rd 2am S. 10 2pm					
	Petrograd (5 a.m. G.M.T.)																		3rd 3am-7am W. 8					
	FRANCE, &c.	The Helder	1014.9	45	SSE	5	b	1004.7	-2	50	+4	S	7	-	o	4	1	52	45	Menquay Gale afternoon.				
Brussels		*	*	*	*	*													Scilly 2nd 11am-3pm S. 9.					
C. Gris Nez		1011.5	50	S	7	bc	1006.6	+1	50	+4	SSW	7	*	o	6	1	52	48	" Noon gust 28mps (10)					
La Hève		1011.7	52	SSE	5	c	1010.6	*	48	+2	SW	6	*	o	5	-	54	46	Jersey Night squalls force 8					
Ushant		1001.5	55	ESE	8	o	1014.0	*	52	-3	WNW	5	*	bc	7	3	57	46	Portland Bill 2nd 10am-3rd 7am S-SW 8.					
Brest (St. Mathieu)		1004.4	55	SW	7	c	1015.3	+10	50	-3	WNW	5	*	c	5	5	57	48	Dungeness 2nd 7pm-3rd 7am SSW 8					
Rochefort (Ile d'Aix)		1016.8	52	SSE	5	o	1021.3	+7	50	+2	SW	6	*	o	3	55	46	3rd 0-2am SSW 9						
Biarritz		1020.4	59	S	4	b	1027.0	+7	54	-1	WSW	4	*	r	5	10	64	50	Aberdeen 2nd 1pm gust SSE 20mps (8)					
Paris		1017.5	52	SSE	3	b	1016.3	+6	48		SSW	4	-	o	*	1	57	46	" 6pm " SSE 25mps (9)					
Belfort																			" 7pm " SSE 28mps (10)					
SOUTHERN EUROPE.	Lyons	1026.7	51	S	4	b	1025.1	*	52	+5	S	7	*	c	*	-	55	47	3rd 3am " S 27mps (10)					
	Nice	1034.0	48	-	0	c	1033.5	0	48	+3	-	0	*	o	2	-	57	45	Leith Gale night.					
	Perpignan	1025.6	48	-	0	b	1025.0	+4	43	+6	W	3	-	bc	*	-	57	36	Spurn Head 2nd 6pm-Midst SW 10 at 10pm					
	Sanguinaire	*	55	E	2	bc		*	51	+1	E	3	*	bc	2	-	63	46	Yarmouth 2nd 8pm-between Midst 7am					
	Corunna (7 a.m.)																		3rd S. 9 at 8pm.					
	Madrid (8 a.m.)																		Clacton-on-Sea 2nd 5pm S. 8					

* Information for these columns not usually received.

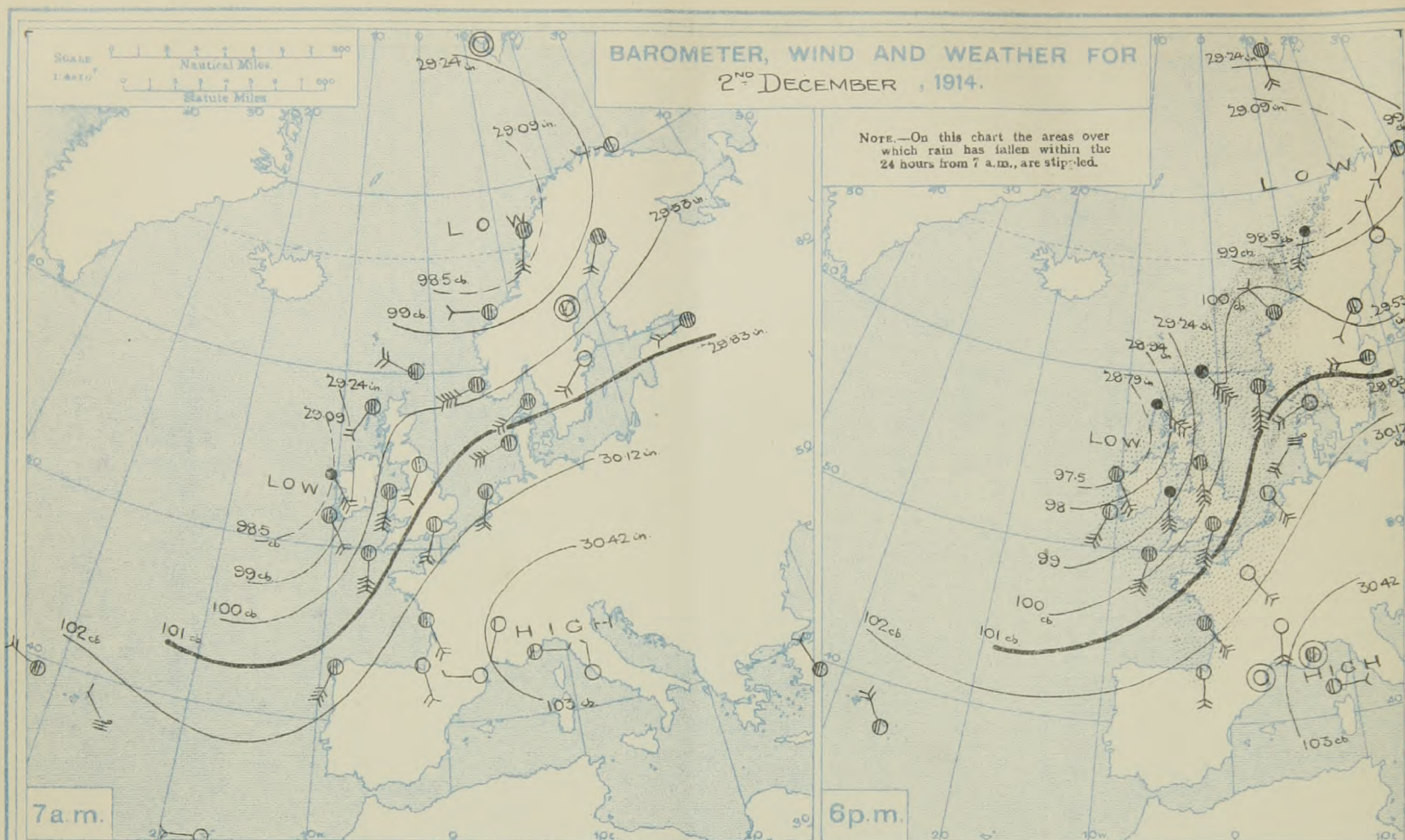
† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.

GALES.

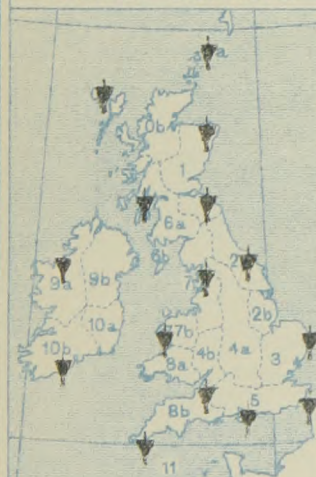
Duration and Extreme Force in British Islands.

Lerwick. 2nd 6pm-7am. SE 100.5pm.
Deerness. 2nd. 11pm. SE 8.
Glasgow. 2nd. 1pm-6pm gusts S. 8.
2nd 3pm-Mid. S. 8 gusts 3.
Eskdalemuir. 2nd 2pm. S. 8.
" 3.12pm gusts S. 28mps (11).
3rd 2am-7am. SSW 9.
Malin Head. 2nd 3am-3rd 7am. SW 9.
" 3pm-Mid. squalls WSW 10.
Roche's Point. 2nd 7am-4pm. S. 8.
Birr Castle. 2nd 7am-3rd 4am. S. 8.
Donaghadee. 2nd 3am-4pm. SSW 10 at 2pm.
" 10pm-2nd 7am. SW 10 gusts.
Holyhead. 2nd 7am-6pm. S. 9.
gusts 28mps (10).
Pembroke. 2nd 3am-3rd 3am. S. 10 2pm.
3rd 3am-7am. W. 8.
Newquay. Gale afternoon.
Scilly. 2nd 11am-3pm. S. 9.
" Noon gust 28mps (10).
" 1pm-3pm gusts 27mps (10).
Jersey. Night squalls force 8.
Portland Bill. 2nd



FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

Signals hoisted yesterday.

South Cone.

North Cone.

Signals hoisted this morning.

South Cone.

North Cone.

Cones hoisted at 8.30 a.m. & Noon.

Western Channel and Bay

- 0 { a }
 { b }
- 1 { }
- 2 { a }
 { b }
- 3 { }
- 4 { a }
 { b }
- 5 { }
- 6 { a }
 { b }
- 7 { a }
 { b }
- 8 { a }
 { b }
- 9 { a }
 { b }
- 10 { a }
 { b }
- 11 { }

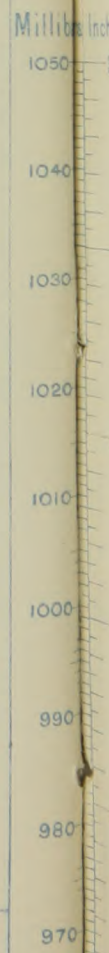
South-Westerly winds, decreasing in force, but remaining strong and squally; changeable, some showers, hail or sleet locally; becoming temporarily colder.

Westerly and South-Westerly winds, strong and squally in places; fair at first, some showers later; becoming temporarily colder.

Westerly and South-Westerly winds, strong, a gale in places; squally, some showers, hail locally; rather cold.

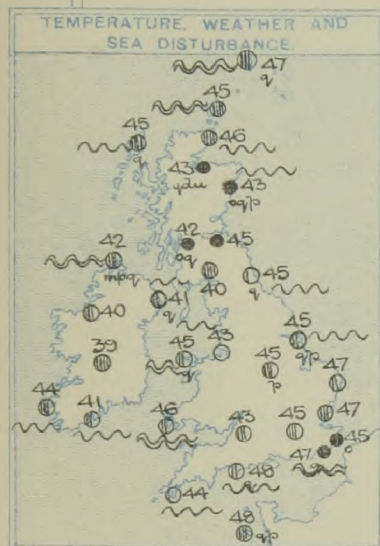
Strong Westerly to South-Westerly winds and a rather rough sea; mostly fair, but some local showers; colder.

FURTHER OUTLOOK.



GENERAL INFERENCE.

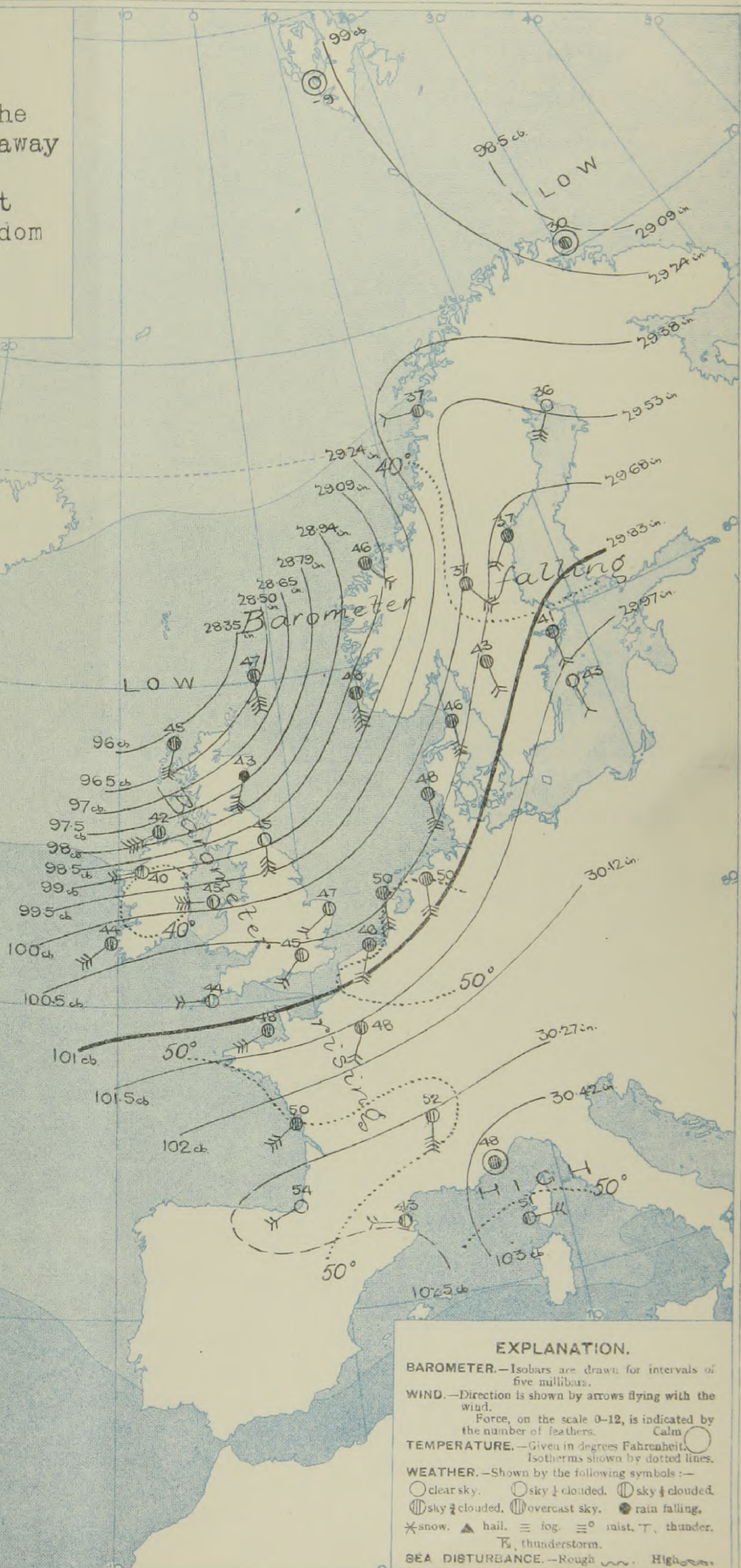
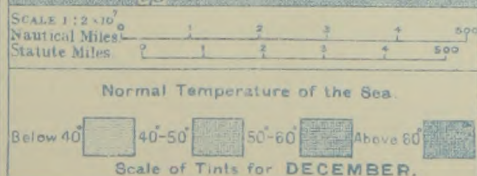
The depression off the north of Scotland will travel away to the northward, but small secondaries will pass from west to east across the United Kingdom and occasion a continuance of squally, changeable weather.



Inches.
31

30

29



DAILY WEATHER REPORT.

Thursday, 3rd December 1914.

REPORTS FOR YESTERDAY. <u>2nd December.</u>	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.													
		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.			
				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.		
	Castlebay.	984.2	46	SW	8	ol	984.7	0	46	0	SE.	4	-	o	5	2	48	41		
	Petrograd.	1005.2	39	SSW	2	o	1006.1	+4	43		WSW	3	-	o	2	2	48	37		
	Ushant.	1014.9	54	SW	6	c	1009.5	+	54		SSW	9	-	o	7	-	55	50		
	Lisbon.	1025.1	57	S	4	r	1024.8	0	57		SSW	4	-	o	6	23	59	57		
	Rome.	1033.7	43	-	0	b	1034.0	0	34		-	6	-	b	*	-	54	34		
	Horta.	-	-	-	-	-	1022.1	+5	55		WNW	2	-	c	2	2	63	54		
	Funchal	1025.6	63	NE	2	bc	1026.9	+2	59		W	2	-	b	2	-	66	57		

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.		
		mm. & .	° F.	° F.			Hr.			mm. & .	° F.	° F.			Hr.	
Scot- land.	Oban ...	7	53	37	lq.	op.o	0.0	England, S.E.	Tunbridge Wells ...	2	52	46	bc.c	c.bc	0.3	
	Banff ...	2	49	39	grd	dq.	0.0		Margate ...	-	52	47	c	c.bc	1.2	
	St. Andrews ...	3	51	38	*	*	0.0		Ramsgate ...	-	50	47	u	u	0.0	
Eng. N.E.	Harrogate ...	6	50	38	c.bc.o	o	0.0		Folkestone ...	-	52	49	c.bc	c.b.bc	1.3	
	Scarborough ...	*	50	40	o.c	o.c	0.0		Hastings ...	-	53	48	o.bc	bc.c	2.7	
	Skegness ...	-	49	42	o	o	0.0		Bexhill-on-Sea ...	-	53	49	b	b	3.1	
Eng. N.W.	Morecambe ...	1	52	42	o	o	0.0		Eastbourne ...	0.3	54	50	o.be	bc.b.o	3.0	
	Blackpool ...	5	53	42	o	or	0.0		Seaford ...	-	56	50	bcq	bcq	2.1	
	Southport ...	4	53	40	o.c	o	0.0		Brighton ...	-	54	50	c.o.bc	bc.c	0.6	
Midlands.	Buxton ...	12	47	35	er.o	er.o	0.0		Worthing ...	2	55	48	bc	bc	2.0	
	Leamington Spa ...	0.3	53	42	o.cd	o.c	0.0		Littlehampton ...	1	52	47	o.be	bc.c	0.9	
	Malvern ...	2	52	42	c	c	0.0		Bognor ...	2	54	49	c.bc	c	1.9	
	Ross-on-Wye ...	3	53	43	e	op	0.0		Southsea ...	-	53	47	o	o	0.1	
Wales.	Rhyl ...	6	56	40	q	q	1.1		England, S.W.	Bournemouth ...	-	53	47	o	o	0.1
	Colwyn Bay ...	6	56	42	c	cp.c	0.5			Weymouth ...	1	55	47	c	c	0.1
	Llandudno ...	9	56	42	o	r.o	0.1	Exmouth ...		-	55	46	o	o	0.0	
	Aberystwyth ...	4	54	45	r.o	c.or	0.7	Torquay ...		4	55	46	o	o	0.0	
	Tenby ...	8	55	39	r	r	0.0	Paignton ...		-	53	46	oq	opq	0.0	
	Swansea ...	5	50	45	u	r	0.0	Falmouth ...		8	53	46	o	or	0.0	
England, E.	Cromer ...	0.3	50	43	o	c.	0.8	Penzance ...		8	55	47	oq	opq	0.0	
	Lowestoft ...	-	50	44	o.bc.c	c.o.c	0.8	Newquay ...		11	53	45	cpq	opq	0.0	
	Felixstowe ...	-	50	45	bc	bc.c	1.2	Ilfracombe ...		11	55	43	op.o	op.or	0.0	
	Walton-on-Naze ...	-	50	45	bc.c	c.bc.b	0.9	Weston-super-Mare ...		0.3	54	44	c.o	o	0.0	
	Southend-on-Sea ...	-	53	46	o.bc	b.bc	2.5									

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.			
				Max.	Min.								Max.	Min.							
24 HOURS ENDED 9 A.M. TO-DAY.																					
%	%	Hr.	° F.	° F.	° F.	mm.‡				mm.‡	° F.	° F.	° F.				Hr.				
Greenwich (Royal Obs.) ...	78	80	1.7	55	43	38	6	bc	c	o.o.c	Dublin to 4 p.m.	14	53	41	40	bc.oq	rq.u	rq.u	*		
City (Bunhill Row) ...	*	*	0.4	*	*	*	*	*	*	*	Darwen to 9 p.m.	2	50	38	34	on	on.b	p.c	0.0		
Westminster (St. James's Pk.)	78	85	0.2	57	44	40	4	bc	bc	ad.r.b	Manchester "		51	41	37	c.o	o	or	0.0		
Camden Sq. (Brit. Rainfall)	82	84	0.3	56	44	39	2	o.bc	bc.o	o.r.b	Birmingham "	2	51	41	37	c.o	o	or	0.0		
Hampstead (Reservoir) ...	*	79	0.2	54	39	33	4	c	c	o.r.b	Oxford to 8 p.m.	*	55	45	42	r.o	opq	opq	0.0		
Richmond Park	*	*		VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										5	55	45	42	r.o	opq	opq	0.0
Kew. (See front page.)				Total.			Average Rate.		Max. Rate.		"										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				226 Joules			77 Milliwatts.		21 Milliwatts.		S. Kensington (Museum Grounds to 6 p.m.)	1	54	47	39	b.co	o	o.bc	oq		
S. Kensington (Roof of M.O.)	70	77	0.3																		

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

3rd & 4th Dec. 1914.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 7.45 7.46	G.M.T. 11.43 11.43	G.M.T. 3.41 3.40
Greenwich ...	7.49 7.49	11.50 11.50	3.52 3.52
Wick ...	8.41 8.43	12.2 12.2	3.23 3.22
Valencia ...	8.31 8.32	12.31 12.31	4.31 4.30

NOTE - The information relating to weather is indicated by the fol.

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.

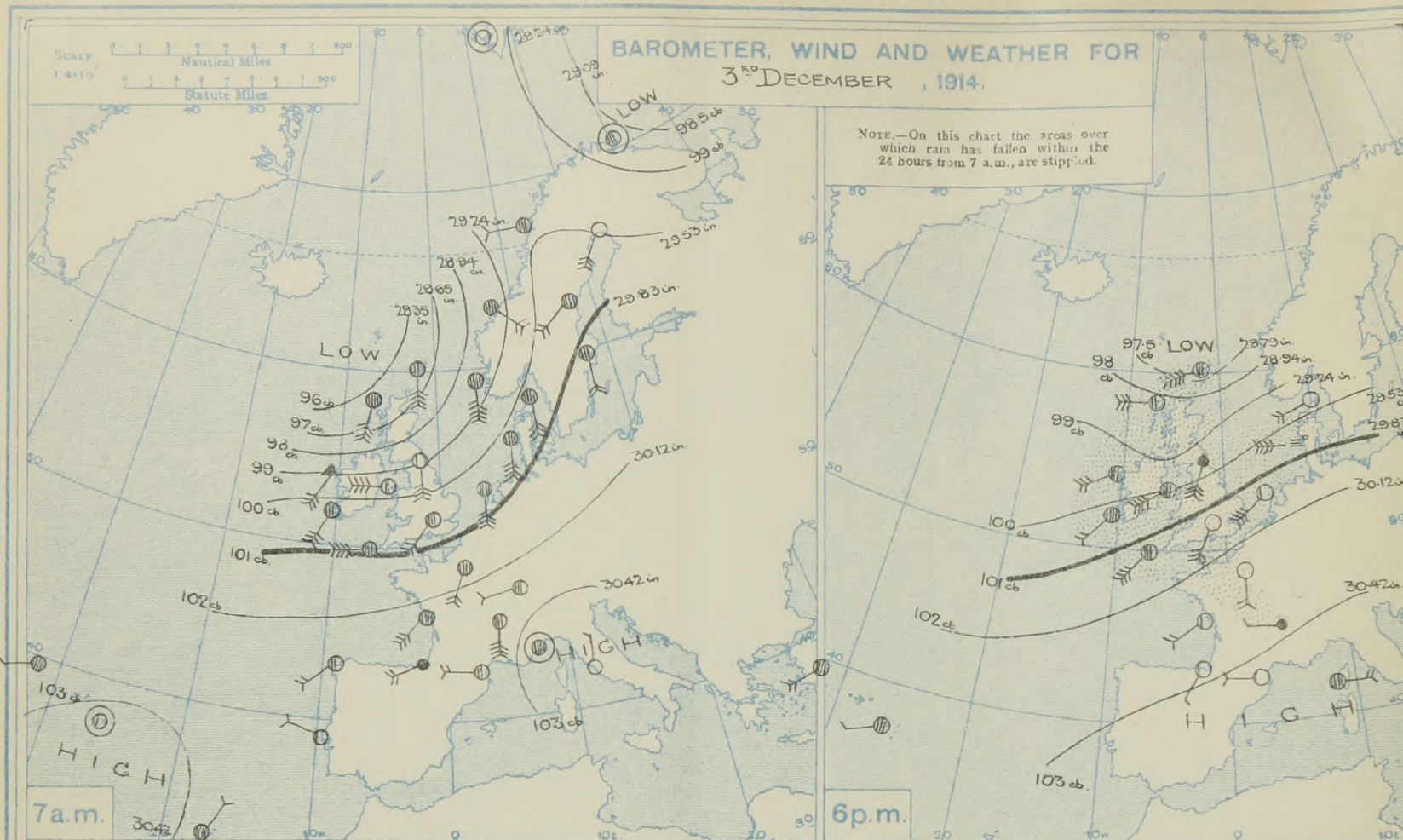
The thermometer rose to between 50° and 55° over the United Kingdom generally, and touched 56° at a few places in the west and south. Rain fell generally, heavily in Ireland and the west and north of Scotland, and lightning was seen at Stornoway and Falmouth. A strong gale from South and South-West prevailed generally.

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. and at the bookstalls at certain Railway Termini in London.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No.

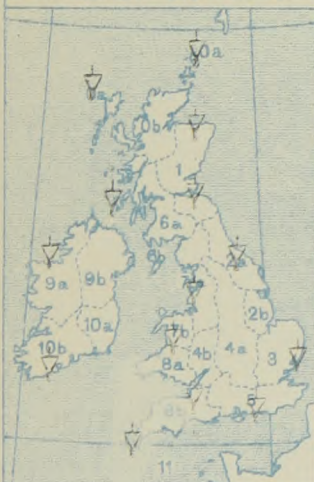
Friday,
4th December, 1914.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										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.
		° F.	° F.																			Hour.	
BRITISH ISLANDS.	Lerwick ...	971.3	45	WSW	10	ca	981.2	+2	42	-5	WSW	8	W	cpa	6	7	47	39	ca/p	ca/p	cpa	*	
	Deerness ...	978.6	42	WSW	7	ca	986.4	*	41	-4	SW	5	W	bc	5	5	49	36	ca/p	ca/p	ca/p	0.0	
	Stornoway ...	982.3	40	W	6	bc/pa	988.9	-1	34	-11	W	2	-	ca	2	8	45	34	cpa	ca/pa	ca/pa	0.2	
	Castlebay (Barra Isd.)																						
	Glasgow ...	986.6	43	SW	6	orhp	991.3	-7	35	-7	E	2	-	o	*	23	44	34	rh/pa	orhp	clhr.	0.0	
	Eskdalemuir ...	989.6	43	SW	8	ca	991.9	-6	33	-7	NNE	2	-	os	*	6	44	33	b. ca	ca	ca	0.0	
	Malin Head ...	988.9	35	WNW	5	orm/rs	984.9	-15	39	-3	SSW	7	-	orm	7	13	43	34	ca/pa	orm	ca, o. bp	0.0	
	Markree Castle ...	996.9	38	W	1	r	982.0	*	42	+2	SE	4	-	r	*	10	*	*	c	oph	optl	0.7	
	Blacksod Point ...	993.5	39	WSW	5	ca/pa	976.7	-21	42	+1	SE	4	SE	orm	5	10	46	36	or	clp	cpa, or	*	
	Valencia ...	1000.3	47	SW	3	o	978.1	-10	46	+2	S	7	-	c	6	22	50	40	qptlh	c. o	bc/pa	0.0	
	Roche's Point ...	1002.1	46	SW	5	r	987.5	*	48	+7	SW	6	-	o	6	39	50	41	c. o	or. c. OT	r. om	*	
	Birr Castle ...	992.4	41	W	4	bc	982.7	*	46	+7	S	3	-	o	*	12	46	37	opa	opa, bc	op. c. op	0.0	
	Donaghadee ...	988.7	44	SW	9	bc/p	985.6	-7	43	+2	SE	5	-	orm	4	6	44	36	ca/p	bc/p	ca, orm	*	
	Liverpool (Bidston) ...	1000.8	43	SW	6	r	993.6	-6	40	+5	SSE	4	-	ca	4	13	50	40	bc	op	or	3.1	
	Holyhead ...	999.3	48	WSW	8	cl/pa	989.1	-8	51	+6	S	6	-	orm	7	26	51	43	bc, c. ca/p	o. otlr	cl. orm	2.1	
	Pembroke (St. Ann's) ...	1005.3	50	SSW	9	o	995.3	-12	52	+6	SSW	9	S	orm	8	3	52	44	bc/p	ca/p	ouq	2.3	
	Scilly (St. Mary's) ...	1011.4	51	SW	7	ca/p	993.5	-12	51	+3	SSW	8	SW	orm	8	1	53	42	bc/p	bc/p	bc, or	3.9	
	Falmouth ...	1013.0	50	SW	8	c	997.8	-10	52	+8	SSW	8	-	o	7	-	52	43	bc/p	ca/p	bc/p	4.9	
	Jersey (St. Aubin) ...	1020.5	50	SW	3	b	1010.2	*	51	+3	SW	5	SW	agu	4	0.2	53	47	c. b	b	b. opa, o	?	
	Portland Bill ...	1014.7	49	WSW	8	bc	1004.6	-5	50	+2	SSW	8	SW	c	6	1	51	47	cpa	bc/p	bc/pa	*	
	Dunegness ...	1016.8	50	WSW	7	bc/p	1008.7	-4	50	+3	SSW	8	SW	c	7	2	51	46	ca/p, bc/p	b. bc/p	ca, opa	*	
Dover ...	1017.8	48	SW	6	b	1009.4	-6	49	+4	SSW	8	SW	c	7	1	49	44	or. c. b	b	bc, bc	5.7		
Wick ...	982.2	39	W	4	bc	989.1	+2	36	-10	W	2	-	bc	3	0.2	47	35	omp. u	m. bc	bc	*		
Nairn ...	984.5	39	WSW	4	orm	990.6	*	36	-8	-	0	-	c	1	1	45	33	bc/p	qpu	ca, x	0.5		
Aberdeen ...	987.8	41	SSW	5	o	992.8	-1	37	-6	SSW	3	-	o	3	4	46	35	b. ca	bc, o	or. b. o	4.7		
Leith ...	988.0	42	SW	3	o	991.5	-3	38	-7	ESE	1	-	o	*	12	46	36	orm	o. or	orm	*		
Tynemouth ...	995.9	44	SSW	6	orm	993.8	-8	44	-1	SSE	2	-	orm	3	6	46	38	bc	bc	orm	*		
Spurn Head ...	1004.6	45	WSW	7	bc	1000.0	-3	48	+3	S	7	-	ca	7	-	48	43	bc/p	bc/p	ca/p	5.1		
Yarmouth ...	1012.7	46	SW	5	bc	1007.2	-6	47	0	S	4	-	o	2	0.1	48	46	bc, b	b. bc	bc, o	5.5		
Clacton-on-Sea ...	1014.5	46	WSW	4	b	1008.3	-4	47	0	SSW	5	-	ca	4	1	49	43	cp. bc	bc, b	b. ca	6.4		
Nottingham ...	1006.8	46	SW	7	c	995.6	*	50	+5	SW	5	-	o	*	0.1	50	43	cp. b	bc	c. op	4.2		
Bath ...	1012.6	48	WSW	5	b	1002.0	-7	50	+7	SW	4	SW	r	*	2	52	43	cp. bc, b	c. bc, b	b. opa	4.7		
London (Kew Obsy.)	1014.5	47	SW	5	bc	1006.7	-6	49	+4	SSW	6	-	ca	*	Trace	50	45	c. bc, bc	bc/p	ca, opa	5.3		
ICELAND, FAEROE, &c.	Spitsbergen ...	990.7	-3	-	o	c	989.3	+7	-22	-13	S	1	*	b	*	*	-3	-22	GALES. Duration and Extreme Force in British Islands. Lerwick. 3rd 7am-4th 7am WSW 10 at 6pm Deerness 3rd 1pm WSW 9 Stornoway 3rd 6pm W 8, squalls 9 Glasgow 3rd 7am-5pm SW 9 at 8am Eskdalemuir 3rd 5pm-8pm SW 9 at 7pm gusto 28mps (1) at 5pm; 33mps (1) at 7pm Malin Head 3rd 7am-2pm WSW 8 Roche's Point 3rd Noon-3pm SW 9 at 2pm 3rd-4th night SW 8 Donaghadee 3rd 7am-10am SW 8 3rd 4pm-7pm SW 9 at 5pm Holyhead 3rd 4pm-5pm SW 10 at 4pm 4th 3am-7am SW 8 Pembroke 3rd 7am-10am W 8 3rd 2pm-4th 7am SSW 10 at 5pm Scilly 3rd 4pm-5pm WSW 8 4th 3am-7am SSW 8 gusto 28mps (1) at 5am Falmouth SW 9 at 2pm since 2pm 3rd Portland Bill 3rd 7am-4th 7am SW 9 at 4am Dunegness 3rd 7am-3pm SW 9 at 2pm 3rd 7pm-4th 7am SW 9 at 11pm Dover 3rd 8pm-4th 7am SW 9 at 5am Nairn 3rd 8am-10am WSW 9 at 10am Aberdeen 3rd 8am SSW 8 gust 28mps (1) Nottingham 3rd Noon SW 8 New 4th 1-3am 3-30am squalls SW 8 Marine Castle - Gale morning (3rd) Southport 3rd 7am-2pm; 6pm-8pm SSW 8 gusto 31mps (1).				
	Isafjord ...																						
	Reykjavik ...																						
	Vestmanna ...																						
	Seydisfjord ...																						
	Thorshavn ...																						
NORTHERN EUROPE.	Vardö ...	992.6	28	W	2	b	973.0	-4	36	+6	SW	5	-	o	3	*	36	25					
	Bodö ...	976.2	36	E	4	r	972.8	0	41	+4	E	4	-	c	2	4	41	30					
	Christiansund ...	972.4	48	SW	3	c	975.5	+1	45	-1	SW	3	-	c	4	1	48	45					
	Skudesnaes ...	989.2	46	SW	10	c	992.8	+4	45	-3	WSW	10	-	c	3	4	48	41					
	Færder (Xlantia Fjord) ...	993.2	45	SW	6	b	994.4	+11	43	-2	SW	7	-	b	5	6	46	43					
	The Scaw (Skagen) ...	999.1	45	WSW	4	b	1001.0	+8	45	-1	WSW	5	-	c	6	2	48	41					
	Blaavands Huk ...	1006.0	46	W	8	m	1006.7	0	46	-2	SW	8	-	o	7	Trace	48	41					
	Haparanda ...																						
	Hernösand ...																						
	Stockholm ...																						
FRANCE, &c.	Wisby ...																						
	Karlstad ...																						
	Petrograd (5 a.m. G.M.T.)																						
	The Helder ...	1014.4	48	SW	7	b	1011.8	-3	46	-4	SSW	7	-	c	5	1	50	45					
	Brussels ...	*	*	*	*	*																	
	C. Gris Nez ...	1017.3	48	SW	7	c	1011.9	0	47	-3	SSW	7	*	c	7	5	57	46					
	La Hève ...	1020.4	49	SW	5	b	1014.4	*	46	-2	SSW	6	*	o	5	-	50	45					
	Ushant ...	1016.8	52	SW	7	c	1002.6	*	54	+2	SW	9	*	o	8	-	54	50					
	Brest (St. Mathieu) ...	1019.4	50	WSW	5	bc	1005.6	-8	52	+2	SSW	8	*	o	7	1	55	50					
	Roche fort (Ile d'Aix) ...	1027.4	50	SW	3	b	1021.9	-3	44	-6	S	5	*	bc	*	-	55	43					
Biarritz ...	1029.7	50	SW	1	b	1021.9	-3	54	0	SW	3	*	c	5	-	57	48						
Paris ...	1025.1	45	S	3	b	1020.6	-3	45	-3	SSW	3	-	o	*	-	54	41						
Belfort ...																							
Lyons ...	1032.6	46	W	1	r	1028.6	*	31	-21	W	1	*	f	*	4	55	31						
Nice ...																							
Perpignan ...	1031.1	50	W	3	b	1025.2	-6	41	-2	W	1	-	o	*	-	59	32						
Sanguinaire ...	*	52	E	3	o	*	*	55	+4	E	2	*	o	3	-	63	48						
SOUTHERN EUROPE.	Corunna (7 a.m.)	1020.2	54	SW	3	i	1020.2	-5	52	+6	SSW	6	-	c	5	?	55	50					
	Madrid (8 a.m.)																						
	Lisbon (9 a.m.)																						
	Gibraltar ...																						
Azores (Horta, 8 a.m.)	1027.1	*	SW	4	bc																		
Madeira (Funchal)																							



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.

Cones re-hoisted at 4.20 p.m.

Western Channel and Bay 11

0 } Wind shifting to the South-East and increasing in force; fair at first, squally later, with rain or sleet remaining cold.

1 } Wind shifting to the South-East and increasing to a gale; cold, squally, some rain or sleet.

2 }
3 } Southerly to South-Westerly winds, increasing to a strong gale; dull, squally, occasional rain; temperature remaining above the normal.

4 }
5 }
6 } Wind shifting to the South-East and increasing to a gale; cold, squally, some rain or sleet.

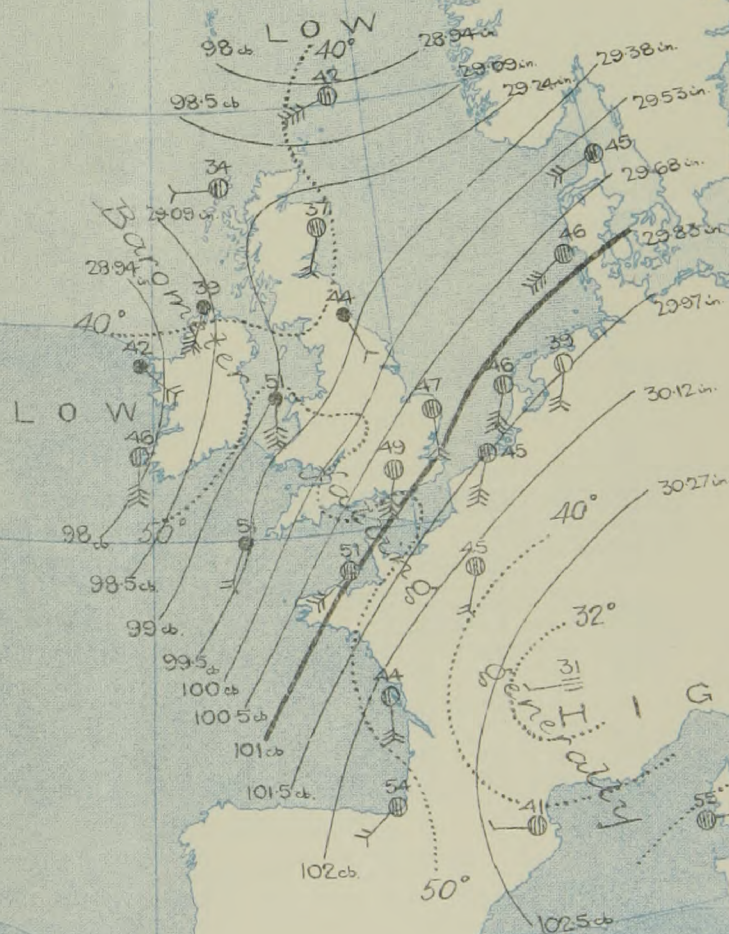
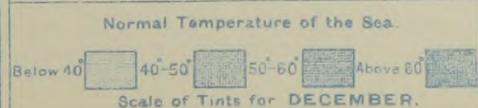
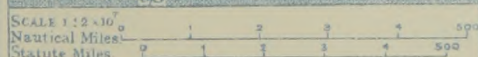
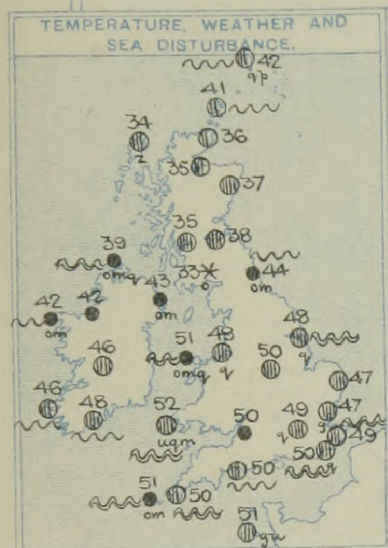
7 }
8 } Southerly to South-Westerly strong gales; dull, squally and rainy at first, some improvement later; becoming temporarily cooler

9 }
10 }
11 } Southerly and South-Westerly gales and strong winds and a high sea; dull, squally, occasional rain; temperature remaining above the normal.

FURTHER OUTLOOK.


DECEMBER, 1914.

The deep depression which is approaching Ireland will move northwards or north-eastwards and will occasion Southerly gales and squally, rainy weather over the United Kingdom generally.



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

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

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



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

WEATHER.—Shown by the following symbols:—

○ clear sky. ◐ sky $\frac{1}{2}$ clouded. ◑ sky $\frac{3}{4}$ clouded.
 ◒ sky $\frac{2}{3}$ clouded. ◓ overcast sky. ☔ rain falling.

☁ sky & clouded. ☁ overcast sky. ☔ rain falling.
❄ snow. ⚡ hail. ≡ fog. ≡^o mist. ⚡, thunder.

⚡, thunderstorm.

SEA DISTURBANCE.—Rough , High .

DAILY WEATHER REPORT.

Friday, 4th December, 1914.

REPORTS FOR YESTERDAY. 3rd December.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain-fall. Milli- metres.	Sea 0-9.	TEMP.	
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Rain-fall. Milli- metres.	Sea 0-9.			Max.	Min.
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.								
	Blacksod Point	-	-	-	-	-	989.4	+8	41	-5	SSW	6	SW	cph	6	6	49	40		
	Scilly	-	-	-	-	-	1009.5	+9	48	-4	W	8	W	cphq	7	7	54	43		
	Belfort	1026.9	46	-	0	b	1023.9	+	41	-	WSW	2	-	c	5	5	59	34		
	Corunna	1012.4	59	SSW	8	r	1027.9	+6	46	-8	SW	3	-	bc	5	5	61	46		
	Lisbon	1024.3	61	SW	4	r	1023.3	+4	55	-2	WNW	2	SW	o	6	40	63	54		
	Rome	1031.8	45	SW	1	b	1034.0	0	36	+2	N	1	-	o	3	-	52	?34		
	Funchal	1023.7	45	SW	1	b	1029.6	+1	61	+2	NE	2	N	o	3	-	68	59		

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.						° F.	° F.			
Scot- land.	Oban ...	19	52	41	hq. r. c	0.0	Tunbridge Wells ...	6	50	43	mt	b. bcp. b	5.4
	Banff ...	2	48	41	bc	5.0	Margate ...	3	51	45	l	b	5.8
	St. Andrews ...				*		Ramsgate ...	4	49	43	bc	bc	6.0
Eng. N.E.	Harrogate ...	4	45	40	o. c. bc. b	3.2	Folkestone ...	5	51	45	bc	b. bc. v	5.2
	Scarborough ...	*	47	40	o. c	3.6	Hastings ...	5	54	45	or. bc. b	b	5.2
	Skegness ...	1	47	43	bc. b	5.3	Bexhill-on-Sea ...	5	54	46	b	bc. or	4.0
Eng. N.W.	Morecambe ...	6	46	43	pq	0.0	Eastbourne ...	4	53	47	bpy	bpy	5.2
	Blackpool ...						Seaford ...	6	55	35	bc	bc. r	4.7
	Southport ...	7	47	44	bc. c	2.2	Brighton ...	5	51	47	b. bc. c	e. c. bc. b	5.6
Midlands.	Buxton ...	6	48	38	bc	2.5	Worthing ...	4	58	45	b. bc	bc	5.4
	Leamington Spa ...	13	47	42	bc	5.5	Littlehampton ...	5	54	45	bc. b	b. bc. c	5.5
	Malvern ...	11	47	42	b. bc	4.6	Bognor ...	4	52	45	bc. p	bc. p	5.4
	Ross-on-Wye ...						Southsea ...	3	51	44	b	b. w	5.5
Wales.	Rhyl ...	12	48	43	q	2.5	Bournemouth ...	10	50	43	b	bc. b	5.6
	Colwyn Bay ...	11	48	44	bc	2.0	Weymouth ...	6	51	46	bc. p	p. bc	4.5
	Llandudno ...	?	52	44	bc	?	Exmouth ...						
	Aberystwyth ...	8	50	45	or. o	0.3	Torquay ...	14	51	43	b	b. bc	4.3
	Tenby ...	3	56	38	bc	2.0	Paignton ...	12	51	42	r. o	bc. b	4.9
	Swansea ...	14	50	42	u. bc	3.4	Falmouth ...	4	50	42	bc. q	cq	4.9
England, E.	Cromer ...	1	53	44	bc	6.2	Penzance ...	5	51	44	bc	bc	4.7
	Lowestoft ...	1	52	44	b. bc.	5.0	Newquay ...	5	50	42	bc. q	b. bc. q	4.3
	Felixstowe ...	4	45	43	bc	4.9	Ilfracombe ...	5	53	43	c. bc. c	c. o	2.0
	Walton-on-Naze ...						Weston-super-Mare ...	11	50	43	bc. p. b	b	5.0
	Southend-on-Sea ...	1	50	45	bc. b	6.0							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
	[°] / _F	[°] / _F	Hr.	[°] / _F	[°] / _F	[°] / _F	mm. §			
Greenwich (Royal Obs.) ...	63	74	6.2	50	45	39	-	b	b. c	o
City (Bunhill Row) ...	*	*	2.6	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	64	76		52	46	39	-	b	b	bc. op
Camden Sq. (Brit. Rainfall)	62	74	4.5	51	44	40	-	b	b	*
Hampstead (Reservoir) ...	*	75	5.5	49	40	31	-	bc	bc	brod.
Richmond Park ...	*	*	6.0							
Kew. (See front page.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Total.		Average Rate.		Max. Rate.		
S. Kensington (Roof of M.O.)	59	71	5.7	316 Joules		11 Milliwatts.		2.1 Milliwatts.		

Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day. Hr.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
		° F.	° F.						F.
Dublin to 4 p.m.								*
Darwen to 9 p.m.	5	47	41	35	or.u.c	c.b.u	b.c.or	2.3
Manchester „	8	49	43	*	or.c.b	b.c.o	or.o	3.1
Birmingham „	8	49	47	38	r	c	c	3.7
Oxford to 8 p.m.	*							*
Teignmouth to 9pm.	6	51	43	39	or.bc	bc.cp	bc.q	5.6
Plymouth „								
S. Kensington (Museum Grounds to 6 p.m.)	3	55	44	39	c.b.or	bc.b	b	*

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

4th, 5th Dec. 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.46	11.43	3.40
Greenwich ...	7.47	11.44	3.40
Wick ...	7.49	11.50	3.32
Valencia ...	7.50	11.51	3.52
	8.43	12.2	3.22
	8.45	12.3	3.21
	8.32	12.31	4.30
	8.33	12.32	4.30

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to between 50° and 55° in most parts of England and Wales. Rain fell generally and thunderstorms occurred locally in Ireland and the west of Scotland. A strong gale from the South-West blew on many parts of our coasts.

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.

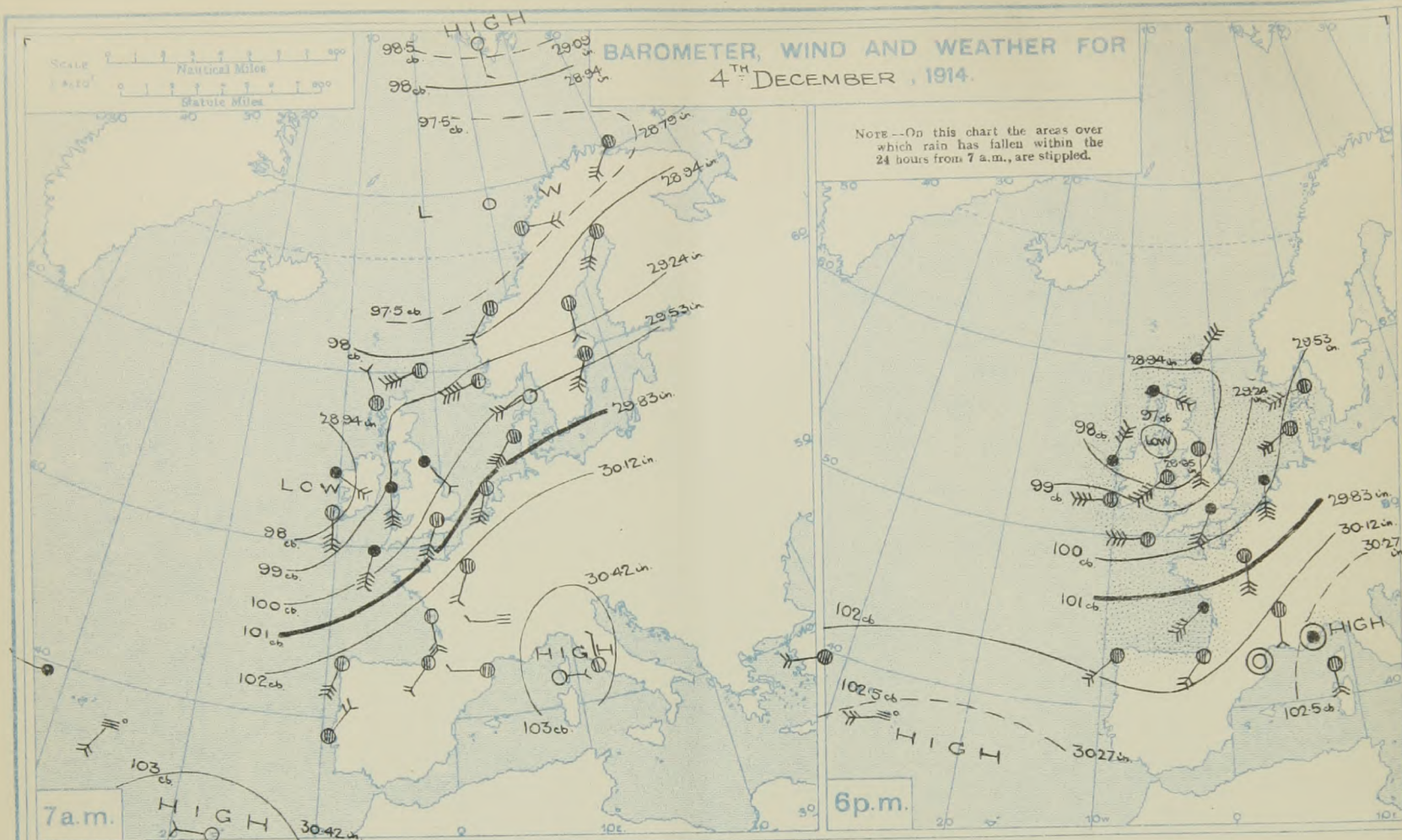
The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

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. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-10.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.																						
	Lerwick ...	981.3	43	NE	7	r	968.7	0	43	+1	ESE	5	-	c	4	28	46	38	c	op	org. cp	*
	Deerness ...																					
	Stornoway ...	976.8	38	ESE	6	org	976.5	+6	39	+5	N	8	-	org	6	16	41	34	org	org	org	0.0
	Castlebay (Barra Isd.) ...	971.1	40	NE	4	op	981.6	+6	39	-2	NW	5	-	op	5	18	42	37	op	org. op	rs. op	0.0
	Glasgow ...	971.7	41	SSE	2	bc	974.3	+5	39	+4	W	5	-	o	4	14	43	32	omisp	ro. cp. c	op. cp.	0.0
	Esksdalemuir ...	973.7	40	SSE	5	r	976.0	+3	36	+3	WSW	6	-	os	4	45	45	33	org	op	or. org	0.0
	Malin Head ...	968.6	39	S	2	omd	982.0	+6	40	+1	NW	9	NW	cpmq	9	12	44	38	omr	om	omr	1.2
	Markree Castle ...	976.3	38	NW	9	r	930.5	*	40	-2	NW	4	-	o	16	*	*	*	op	c. op	opq. h	0.5
	Blacksod Point ...	979.2	38	NNE	6	omr	933.4	+4	40	-2	WNW	5	NW	cp	5	11	48	35	cp	omr	cp	0.0
	Valencia ...	991.5	43	W	7	c	997.6	+2	42	-4	WSW	5	-	c	6	46	34	cgph	cgph	cgph	0.8	
	Roche's Point ...	990.3	42	WNW	5	c	998.2	*	38	-10	NW	3	-	bc	5	2	48	37	ro. cgp	cgph	cp. bc	*
	Birr Castle ...	991.0	40	WNW	8	o	993.3	*	37	-9	WSW	4	-	o	2	48	35	opq	opq	ep	0.7	
	Donaghadee ...	967.6	40	SSW	5	omq	983.5	+8	38	-5	WNW	7	NW	cpmq	6	9	47	36	cmg	omq	cmq. th	*
	Liverpool (Bidston) ...	980.6	40	SSW	6	o	986.0	+2	42	-6	WSW	7	W	aq	7	4	50	35	or	or	oq	0.0
	Holyhead ...	976.0	46	SW	9	ompl	990.0	+4	44	-7	W	8	W	omq	8	7	51	40	omq	op. o. cl	opmq	0.0
	Pembroke (St. Ann's) ...	987.1	47	WSW	9	c	996.2	+2	43	-9	W	7	W	cpmq	7	11	52	35	omq. m	cmq.	cmq.	0.0
	Scilly (St. Mary's) ...	996.2	44	W	8	cpq	1001.5	0	46	-5	W	7	W	cp	3	13	52	41	cpq. h	cpq. h	cpq. h	0.8
	Falmouth ...	997.1	42	WSW	8	c	1001.3	+2	42	-10	WSW	6	-	thp	5	26	52	38	rhq	cp	phq	0.8
	Jersey (St. Aubin) ...	1002.4	49	SW	7	bgl	1004.9	*	45	-6	SW	6	SW	bcq	4	10	53	40	egq. o	qrh. bc	cg. cl	0.6
	Portland Bill ...	995.1	48	WSW	9	c	996.0	0	43	-7	W	7	W	cpq	6	9	53	40	crq	r. cgp	cpq	*
	Dungeness ...	996.0	49	SSW	9	cp	998.8	-1	45	-5	WSW	9	SW	clq	7	15	51	41	o. cq	cp	ph. q	*
	Dover ...	997.0	48	WSW	5	c	1000.2	0	43	-6	SW	5	W	o	6	14	50	38	op	q	ph. o	0.0
	Wick ...	975.1	41	ESE	6	r	964.5	-2	39	+3	SSE	1	-	o	5	4	44	34	bcq. om	omr	omr	*
	Nairn ...	974.5	34	E	1	og	968.0	*	39	+4	W	6	-	odq	4	4	39	32	bcq. s	pr. o	aq	0.0
	Aberdeen ...	975.3	44	S	2	o	967.1	0	38	+1	SW	2	-	b	2	9	48	35	og. or	og. op	op. bc. b	0.0
	Leith ...	973.4	45	SSE	3	c	972.1	+1	41	+3	W	3	-	o	*	8	48	36	og. r	og. o	cp. c	*
	Tynemouth ...	973.0	44	S	5	omq	975.5	+1	41	-3	W	5	W	bcq	4	3	50	39	om	om	bcq	*
	Spurn Head ...	986.9	45	WSW	6	bc	986.1	+1	41	-7	WSW	8	-	bcq	7	3	49	39	org	bc	bcq	0.0
	Yarmouth ...	993.0	46	SW	4	og	994.0	-1	40	-7	SW	4	-	bc	3	1	50	35	o	org	bc	0.0
	Clacton-on-Sea ...	994.7	45	SSW	7	cl	997.5	+1	39	-8	WSW	5	W	bc	4	4	49	39	og	org. cl	c. bc. l	0.0
	Nottingham ...	987.1	42	SW	6	c	990.4	*	39	-11	SW	6	SW	b	*	8	52	38	o. cp	oph. c	cp	0.0
	Bath ...	993.5	41	SW	4	o	990.0	0	38	-12	SW	4	SW	o	*	15	53	37	ogrh	o. c. q	og. b. ep	0.2
	London (Kew Obsy.) ...	994.8	46	SW	6	odq	998.6	+1	38	-11	SW	3	W	b	*	6	51	38	og. org. odq	odq. bc. bc. q	og. bc. q	0.0
	Spitsbergen ...												*		*	*	*		GALES.			
	Isafjord ...												*		*	*	*		Duration and Extreme Force in British Islands.			
	Reykjavik ...												*		*	*	*		Lerwick 4th 7am-8am. WSW. 8.			
	Vestmanna ...												*		*	*	*		4th 1pm-5th 2am. NE. 8 at 10pm			
	Seydisfjord ...												*		*	*	*		Stornoway 5th 0-7am. N. 8, squalls 3			
	Thorshavn ...												*		*	*	*		Malin Head 4th between 6pm & 9pm-7am SW.			
																			Markree Castle 4th 6pm. NW. 3			
																			Valencia 4th 3am-1pm. SW 3 at 3am			
																			Birr Castle 4th 1pm-6pm. WNW 8			
																			Donaghadee 4th 3pm-5th 5am. WNW 8 at 11pm			
																			4th in afternoon. Violent S-SW gale			
																			Dublin 4th 3pm-5th 3am. W. 9, gusts			
																			Southport 38mps (12)			
																			Liverpool 4th 10pm-5th 4am. WSW 8			
																			Holyhead 4th 7am-5th 7am. SW 10 at 5pm			
																			Squall force 33mps (11) and			
																			W. 11 at 9am. Squall 38mps (12)			
																			Pembroke 4th 7am-5th 3am. WSW 3 at 6pm			
																			Falmouth 7am 4th-6pm. SW 3 at 3am			
																			Newquay 4th 6pm. W. 8			
																			Scilly 4th 7am-6pm. W 10 at 5pm			
																			2pm Squall 32mps at 2pm.			
																			4th 3pm-10pm. W. 3 at 8pm			
																			Squall force 11, gusts 38mps (12)			
																			Jersey 4th 3am-10am. S. 8			
																			5th between 0-7h. SW. 8			
																			Portland Bill 4th 7am-5th 6am. Squalls SW 8			
																			Dungeness 4th 7am-5th 3am. SW 9			
																			Folkestone 4th during day. SW. 10			
																			Dover 4th 3am-2pm. SW 10 at 4pm			
																			Aberdeen 4th 2pm. SSE 19mps (9)			
																			Spurn 4th 3pm. S. 9			
																			" 5pm-7am 5th. WSW 8			
																			Yarmouth 4th 11am-5pm. S 10 at 2pm			
																			Clacton-on-Sea 4th 10am-4pm. SSE 3 at 4pm			
																			Nottingham 4th 3pm. SW. 9			
																			London (Kew) 4th SW 8 at 11.50am; SW			
																			8 between 7-10am & 10-4am			
																			SSW 9 between 10-5am &			
																			2-2pm; SW 10 at 2.25pm			
																			SW 8 at 6pm.			
																			South Kensington 4th 3-5 am. & 3-30 am.			
																			gusts force 8			

* Information for these columns not usually received.

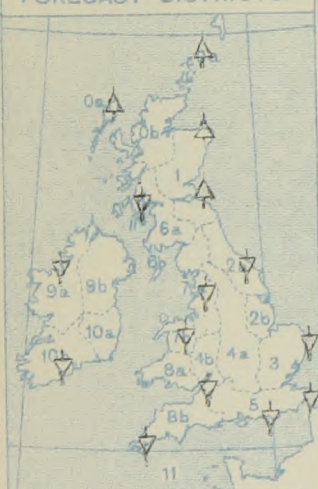
† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON 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.

Cones

re-hoisted

7.15 p.m.

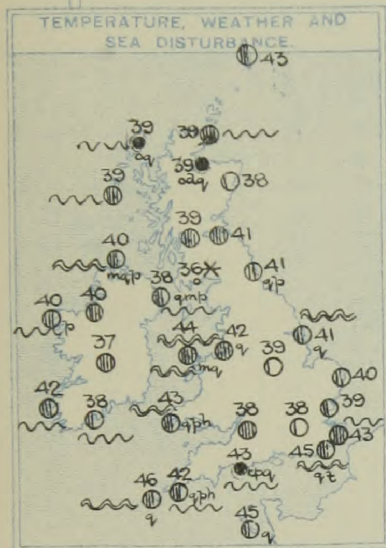
Western Channel and Bay 11

- | | |
|--|---|
| 0 {
a
b
1
2 {
a
b
3
4 {
a
b
5
6 {
a
b
7 {
a
b
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a
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a
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10 {
a
b | <p>Strong and squally North-Westerly winds, a gale in places; showery, hail or sleet locally; remaining cold.</p> <p>Strong and squally Westerly and South-Westerly winds, a gale in places; changeable, some showers, but considerable fair intervals; rather cold.</p> <p>North-Westerly gales, moderating later; squally, showery, hail or sleet in places; remaining cold.</p> <p>Strong and squally Westerly to South-Westerly winds, changeable, showery, hail in places; cold at first; milder later.</p> <p>North-Westerly gales, moderating later; squally, showery hail or sleet in places; remaining cold.</p> <p>Same as Nos. 7 and 8.</p> <p>Strong and squally Westerly and South-Westerly winds; changeable, some showers; temperature below the normal.</p> |
|--|---|

FURTHER OUTLOOK.

GENERAL INFERENCE.

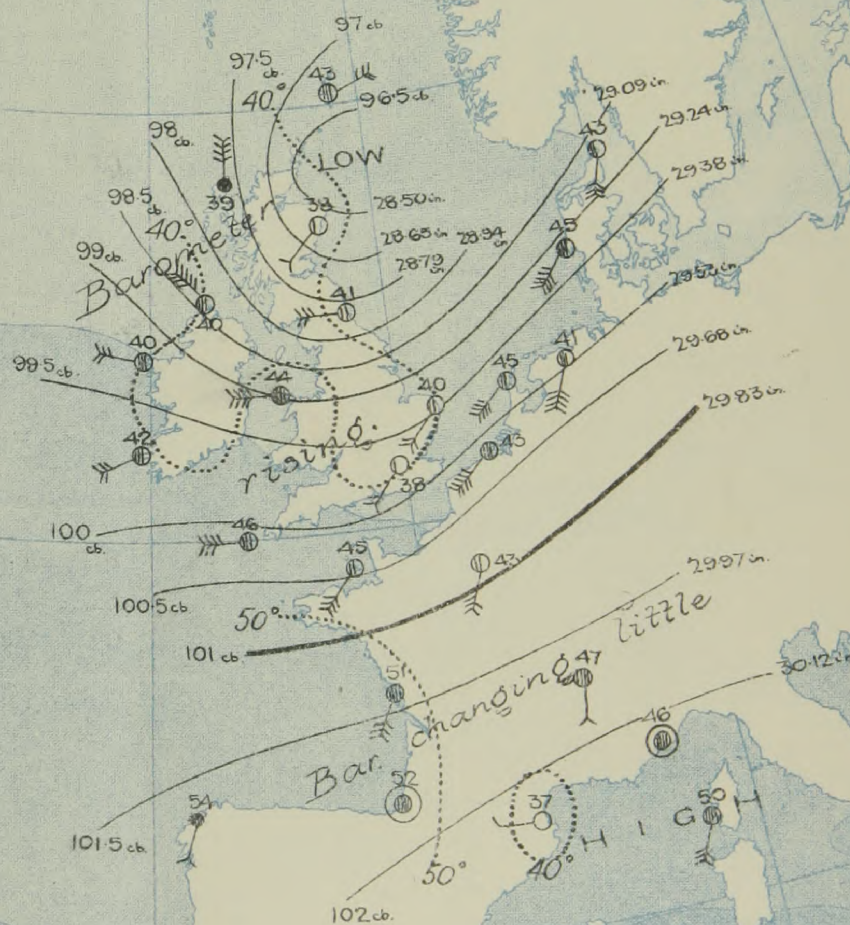
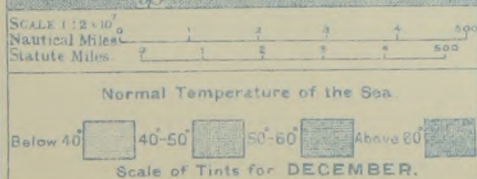
The depression off the north-east of Scotland will travel away to the eastward. Fresh disturbances will shortly approach our western coasts.



Inches.
31

30

29



EXPLANATION.

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

DAILY WEATHER REPORT.

Saturday, 5th December, 1914.

REPORTS
FOR
YESTERDAY.

4th December

STATIONS.	EVENING OBSERVATIONS.						OBSERVATIONS AT 7 A.M., G.M.T.									
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.		Barometer.		Temp.		WIND.		Dir.	Force 0-12.	Weather.	Sea 0-9.
			Dir.	Force 0-12.			Milli- bars at M.S.L.	Change in 3 hours	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.				
Castellbay.	986.2	43	W	5	o		988.0	-5	41	-6	N	2	-	o	2	o.1
Haparanda	989.7	36	S	6	r		980.4	-5	37	+1	SW	6	-	o	2	6
Härnösand	990.4	39	S	6	r		984.8	-3	41	+4	S	2	-	o	2	6
Stockholm.	1000.4	41	S	6	r		995.5	-8	41	o	SSW	6	-	o	2	3
Wistky	1005.6	45	SW	4	r		1006.3	-5	45	+2	SW	8	-	bc	2	3
Karlstad	996.2	43	SW	6	r		993.0	-3	45	+2	W	9	-	bc	2	5
Lisbon	1020.0	57	SW	2	bc		1027.5	o	52	-3	NNE	3	-	o	2	4
Rome	1033.2	43	-	o	b		1030.3	o	36	o	N	1	-	bc	2	4
Horta	-	-	-	-	-		1025.3	o	62	-	W	4	-	o	2	4
Funchal	1029.0	64	NE	2	o		1031.5	+1	57	-4	W	2	-	o	2	4

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.						° F.	° F.			
Scotland.							Tunbridge Wells ...		51	39	o	ph. th. o	o.0
Oban ...	12	44	32	ro. du. 3	3. cr. h. c	o.0	Margate ...	2	51	45	o	op	o.0
Banff ...	2	48	34	o	rs. rgy	o.0	Ramsgate ...	1	49	?	oq	oq	o.0
St. Andrews ...	16	46	35	*	*	o.0	Folkestone ...	4	51	45	c. o	cl. cu	1.5
England, N.E.							Hastings ...	4	51	47	o	th. h.	o.0
Harrogate ...	24	48	37	or	o. c	o.0	Bexhill-on-Sea ...	2	51	45	c	c. or. o	o.0
Scarborough ...	*	49	40	o	o	o.0	Eastbourne ...	4	53	45	oq	o. h. l.	o.0
Skegness ...	1	50	42	o	or. bc	o.0	Seaford ...	3	51	45	c	r	o.0
England, N.W.							Brighton ...	6	52	48	o	rel. o. c	o.0
Morecambe ...	21	43	39	o	o	o.0	Worthing ...	8	?	43	-	-	o.0
Blackpool ...	16	51	40	or	cp	o.0	Littlehampton ...	8	54	41	r	r	o.0
Southport ...	25	50	39	or. g. c.	o. cr. o. c	o.0	Bognor ...	8	51	54	q	rq	o.0
Midlands.							Southsea ...						
Buxton ...	40	47	37	cr	c. b	o.0	Bournemouth ...	4	52	44	o	o	o.1
Leamington Spa ...	7	51	40	o	or	o.0	Weymouth ...	8	53	45	or	p. o. c	o.0
Malvern ...	12	49	39	c	p. bc	o.1	Exmouth ...						
Ross-on-Wye ...							Torquay ...	11	52	40	od	gh. o. c	o.5
Wales.							Paignton ...	10	52	43	op	q. ch	o.5
Rhyl ...	26	52	40	c. or	or. cr	o.2	Falmouth ...	21	52	40	rh. q.	cp. q.	o.8
Colwyn Bay ...	30	52	40	p	p	o.0	Penzance ...	15	48	42	cph	cp	o.6
Llandudno ...	30	52	42	c	c	o.0	Newquay ...	21	50	41	cph. q.	op. q.	o.6
Aberystwyth ...	28	47	39	r. o	r. or	o.0	Ilfracombe ...	22	52	39	omo	o. q. h. c	o.5
Tenby ...	10	49	38	r	r	o.0	Weston-super-Mare ...	7	52	44	or	c. b. c	o.3
Swansea ...	23	48	42	r	r. u	o.2							
England, S.													
Cromer ...	1	50	42	o. c	o. cr. u	o.1							
Lowestoft ...	1	50	43	o. c. o	or. q.	o.0							
Felixstowe ...	4	50	43	cp	cp. q.	o.1							
Walton-on-Naze ...													
Southend-on-Sea ...	2	50	45	o	or. o	o.0							

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
				Max.	Min.								Max.	Min.					
Greenwich (Royal Obs.) ...	90	74	0.0	51	36	31	7	orh	orh	bc	Dublin to 4 p.m.	12	47	39	40	6. or	bc	or	*
City (Bunhill Row) ...	*	*	0.0	*	*	*	*	*	*	*	Darwen to 9 p.m.	25	47	36	35	or	or	or	0.0
Westminster (St. James's Pk.)	92	76	0.0	53	?	33	5	d. or	or	bc	Manchester "				*				
Camden Sq. (Brit. Rainfall)	87	78	0.0	51	37	33	5	0. or	or	*	Birmingham "	11	49	37	42	10	r	or	0.0
Hampstead (Reservoir) ...	*	71	0.0	49	32	27	5	or	or	ck. bc	Oxford to 8 p.m.	*							*
Richmond Park ...	*	*	0.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.							Teignmouth to 9 p.m.								
Kew. (See front page.)											Plymouth "								
(Greenwich and Camden Square air temperatures are in Glaisher screens.)											S. Kensington								
S. Kensington (Roof of M.O.)	87	73	0.0	Total. Joules		Average Rate. Milliwatts.		Max. Rate. Milliwatts.			(Museum Grounds to 6 p.m.)	5	51	44	39	bc	or	or	*

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

5th & 6th Dec. 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.47	11.44	3.40
Greenwich ...	7.49	11.44	3.39
Wick ...	7.50	11.51	3.52
Valencia ...	8.46	12.3	3.20
	8.47	12.3	4.30
	8.33	12.32	4.23
	8.35	12.32	4.23

NOTES ON YESTERDAY'S WEATHER.

Rain, hail or sleet fell generally. Thunderstorms occurred in our south-east counties and locally in Ireland and the south-west of England. A strong to a whole gale from South-West or West was experienced on all coasts.

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.

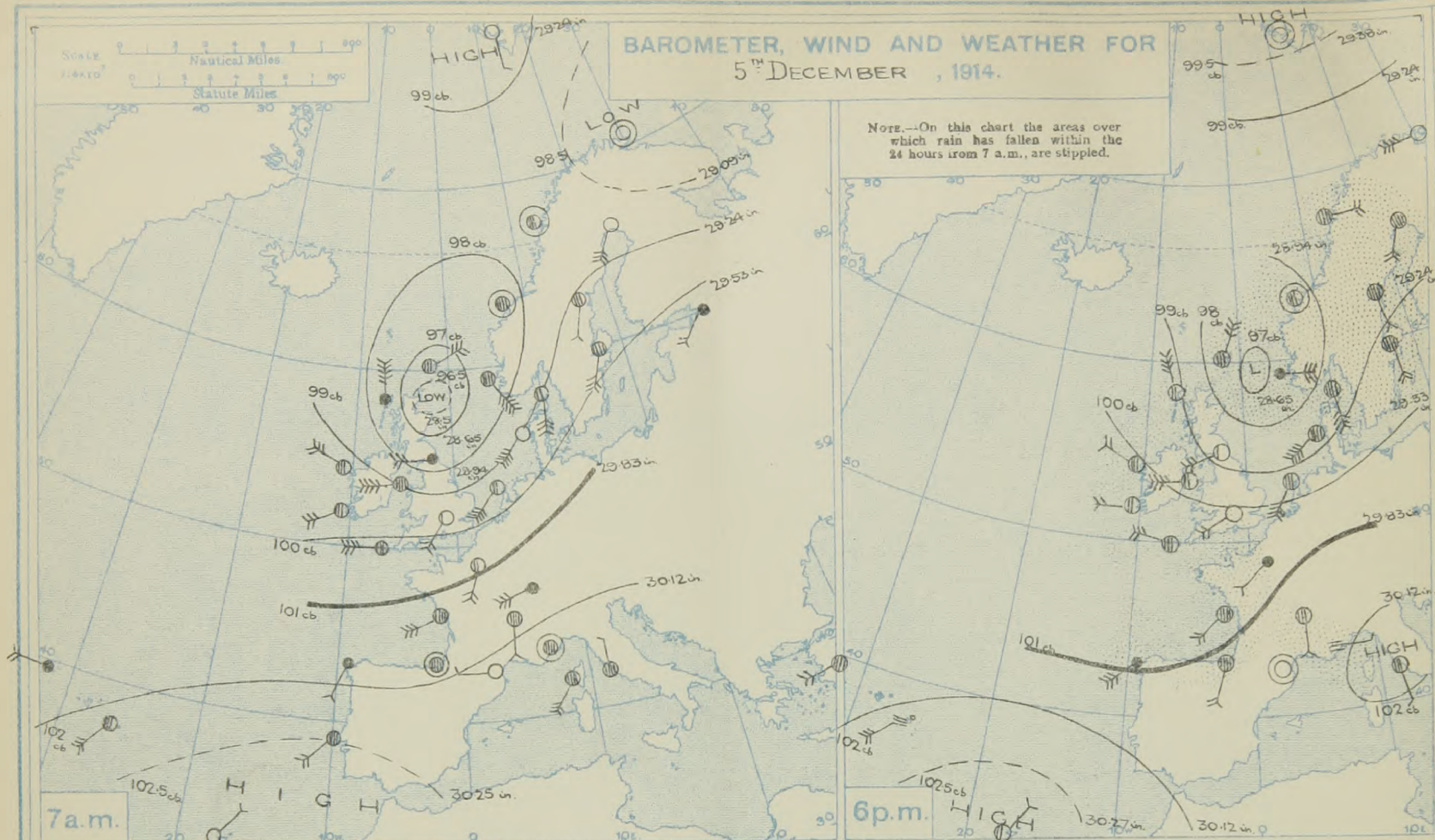
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DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		BAROM. Milli- bars at M.S.L.	WIND.		Weather.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.	Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea (0-9).	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Dir.	Force 0-12.			° F.	° C.							Max.	Min.	Morning.	Afternoon.	Night.			
																				Hours.		
BRITISH ISLANDS.	Lerwick	974.9	44	NNE	6	cg	994.1	+4	37	-6	N	4	-	0	4	10	44	36	clph	clph	cgp	*
	Deerness	977.0	42	N	7	ogp	997.3	*	35	-4	NW	3	NW	b	4	5	44	35	o.c. bc	bc c. of	cgp c. b	0.0
	Stornoway	991.6	36	NW	7	bcg	999.7	0	33	-6	NW	3	-	0	3	3	40	33	ogp	ep. bcg	bc. cp. o	0.0
	Castletown (Barra Isd.)	994.3	41	NW	5	cw	998.4	-1	40	+1	E	3	-	0	3	0.4	42	37	oph	hp. cp	cp. o	0.0
	Glasgow	990.4	39	W	5	ogp	1002.5	+1	33	-6	SW	1	-	b	*	Trace	40	33	og	og	o.c. bc. b	0.0
	Esksdalemuir	990.3	36	WNW	6	bc	1004.1	+2	26	-10	-	0	-	bc	*	0.1	39	26	og	o. c	c. bc. bc	0.1
	Malin Head	995.0	44	NW	8	cg	1000.2	-1	35	-5	SSE	3	W	c	4	3	45	35	cmg	cgp	bc	0.3
	Markree Castle	996.3	38	WNW	1	bc	999.6	*	34	-6	SE	3	-	0	*	5	*	*	ophl	chp	c. bc. o	0.7
	Blacksod Point	1000.6	41	WNW	3	cp	995.4	-9	41	+1	SSW	3	SW	omp	3	2	49	40	cp	cp	cp	*
	Valencia	1004.2	44	W	3	bc	993.2	-24	45	+3	SE	6	-	r	5	1	46	33	evp	cdp	bc. or	4.1
	Roche's Point	1004.6	40	WNW	3	b	1000.1	*	47	+9	SSW	6	-	0	6	1	47	33	bc	bcgp. b	b. o	*
	Birr Castle	1002.1	34	W	1	c	999.7	*	37	0	SE	2	-	0	*	1	40	31	cp	cp	bc. o	1.6
	Donaghadee	995.0	39	WNW	6	cmgph	1002.6	0	33	-5	SSW	2	-	cm	3	9	43	32	omgp	cmgph	bc. m. c	*
	Liverpool (Bidston)	995.8	41	WSW	6	r	1004.7	+2	37	-5	SW	3	SW	0	3	5	44	35	cgp	ogp	op	1.2
	Holyhead	998.0	43	W	7	bcgq	1004.3	-2	44	0	SW	4	SW	og	3	-	44	41	o. c. o. cg	o. c. o. cg	c. bc. c. o	0.1
	Pembroke (St. Ann's)	1003.0	44	NW	4	bc	1005.2	-6	45	+2	S	4	S	c	4	-	46	42	cgph	bcg	bc	3.0
	Scilly (St. Mary's)	1005.1	45	WNW	5	cg	1005.0	-4	47	+1	SSE	5	S	bc	5	1	47	40	cgp	cgp	bc	0.9
	Falmouth	1004.9	38	W	1	b	1007.2	-3	43	+1	S	4	-	0	4	6	46	34	cph	d. cp	bc. o	3.4
	Jersey (St. Aubin)	1004.9	47	W	3	ogp	1010.6	*	35	-10	NW	2	NW	b	3	3	51	33	c. ogp. c	ogp. o	c. b	0.0
	Portland Bill	1001.0	45	W	5	bcg	1008.8	+1	46	+3	W	2	-	b	3	1	47	43	bc	bcg	bc. b	*
	Dungeness	1001.0	43	WSW	4	b	1009.9	+5	33	-12	WNW	2	W	bc	3	1	48	32	cg	cg. bc	bc. bc	*
	Dover	1002.7	40	SW	2	b	1010.8	+3	35	-8	W	1	-	b	3	-	46	32	bc	bc. b	bc	5.2
Wick	979.2	40	NW	8	r	998.5	+5	34	-5	NW	1	-	b	4	5	41	33	om. omr	omr	omgp. b	*	
Nairn	986.4	40	NW	6	ogp	1000.8	*	32	-7	-	0	-	bc. m	1	3	40	31	odg	og	og. c	0.0	
Aberdeen	980.1	39	WNW	8	r	999.5	+4	36	-2	WNW	5	-	b	4	8	41	34	bc. or	og. c. b	og. c. b	0.0	
Leith	989.0	41	W	3	0	1001.9	+3	34	-7	WSW	2	-	b	*	-	42	34	og	o	o. c. bc	*	
Tynemouth	987.4	40	WSW	5	bmj	1003.0	+4	35	-6	NW	2	-	b	3	-	43	33	cg	cg	bc	*	
Spurn Head	992.2	41	W	8	b	1005.0	+4	40	-1	W	4	-	bc	5	-	43	38	bcg	bcgp	bcg	2.6	
Yarmouth	996.8	40	WSW	5	bc	1007.1	+6	34	-6	W	3	-	bc	1	-	44	31	bc	bc	bc	6.8	
Clacton-on-Sea	999.3	40	WSW	4	b	1008.7	+5	35	-4	WSW	2	-	bc	2	-	44	34	bc	bc. b	bc	4.0	
Nottingham	996.4	39	W	4	b	1006.1	*	34	-5	SSW	2	-	b	*	0.3	45	34	bc. c	cp. b	bc	2.5	
Bath	1002.4	36	WSW	1	bc	1009.5	?	30	-3	S	0	-	0	*	3	41	28	c. ors	op. c. bc	bc. b. o	1.5	
London (Kew Obsy.)	1001.3	38	WSW	4	b	1009.9	+3	33	-5	SW	2	-	bc	*	Trace	44	33	b	b	b. bc	5.2	
ICELAND, &c.	Spitsbergen	995.5	-13	-	0	b	999.0	?	-16	+2	SE	2	*	b	*	*	-13	-19	GALES.			
	Isafjord...												*	*	*	*	*	Duration and Extreme Force in British Islands.				
	Reykjavik												*	*	*	*	*	Stornoway.				
	Vestmanna												*	*	*	*	*	5th 7 a.m. - 1 p.m. NNW 8				
	Seydisfjord												*	*	*	*	*	Malin Head				
NORTHERN EUROPE.	Vardö	985.7	32	W	7	b	988.8	-5	32	-2	ENE	5	-	0	4	*	34	27	5th 7 a.m. - evening NW 8			
	Bodö	989.9	32	E	4	0	981.6	+3	36	+2	N	4	-	0	2	?	36	27	Ex. NW 9 during morning.			
	Christiansund	977.9	41	-	0	c	988.7	+5	37	-6	-	0	-	c	4	3	43	37	Dungeness.			
	Skudesnaes	970.6	41	ESE	6	r	982.9	+7	41	-2	N	6	-	c	5	6	45	37	5th 7 a.m. - 2 p.m. WSW 8			
	Færder (X'iania Fjord)	980.0	43	S	8	0	979.4	0	41	-4	N	2	-	r	4	7	45	39	Ex. WSW 9 @ 7 a.m.			
	The Scaw (Skagen)	983.1	43	S	7	0	979.5	0	43	0	SW	4	-	0	4	1	45	41	Wick			
	Blaavands Huk	985.3	45	SW	9	0	987.3	-3	45	0	WNW	7	-	m	7	3	48	39	5th 5 p.m. - 6th 2 a.m. NW 8			
	Haparanda	989.5	36	SW	4	0	985.3	0	37	+3	SW	6	-	0	*	2	37	32	Nairn			
	Hernösand	987.1	39	SSW	2	0	986.3	0	36	-3	SSE	6	-	r	*	-	43	34	5th 8 a.m. - 4 p.m. NNW 8			
	Stockholm	993.5	41	S	4	0	989.1	0	36	-5	S	2	-	bc	*	1	43	34	Ex. NNW 9 @ 9 a.m.			
Wisby	997.9	41	SW	4	b	992.4	-2	39	-4	SW	4	-	c	*	4	46	36	Aberdeen.				
Karlstad	987.9	39	SSW	4	0	982.9	0	29	-2	SSW	6	-	r	*	4	43	37	5th Forenoon. Gusts WNW 21 mps.				
FRANCE, &c.	The Helder	995.1	45	SW	7	c	1003.9	+5	45	0	W	6	-	bc	5	-	46	45	5th 5 p.m. - 9 p.m. WNW 8			
	Brussels	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Gusts WNW 30 mps.			
	C. Gris Nez	1001.7	46	W	7	b	1010.3	+3	42	-3	W	5	*	b	4	4	50	41	Spurn Head			
	La Hève	1004.3	45	WSW	4	0	1012.2	*	41	-2	SW	3	*	bc	5	4	50	39	5th 7 a.m. - 9 p.m. W 8			
	Ushant																	Nottingham				
	Brest (St. Mathieu)	1006.6	50	NW	2	0	1009.1	0	46	-4	SE	4	*	0	4	3	57	43	5th 11 a.m. SSW 8			
	Rochefort (Ile d'Aix)	1008.7	50	SW	4	r	1013.3	+3	46	-5	ESE	3	*	f	*	14	54	45	Deerness			
	Biarritz	1010.6	56	SSW	3	0	1014.9	+2	56	+4	SW	3	*	c	5	19	57	52	5th 10 p.m. N 8			
	Paris	1007.3	45	SW	2	r	1013.6	+6	34	-9	SSW	2	NW	b	*	4	50	34	Southport			
	Belfort																	5th 7 a.m. - 5 p.m. W 8				
Lyons	1016.7	48	S	2	r	1015.7	*	46	-1	S	2	*	0	*	2	53	46	Gusts 74 mph.				
Nice	1017.7	46	E	1	f	1011.5	-3	47	+1	-	0	*	b	3	4	54	45					
Perpignan	1014.7	50	-	0	0	1016.2	+5	45	+8	-	0	NW	0	*	-	55	41					
Sanguinaire	*	55	SW	5	r	*	*	55	+5	SW	6	*	r	4	4	61	50					
SOUTHERN EUROPE.	Corunna (7 a.m.)	1009.9	61	SW	6	r	1015.1	+2	61	+7	SW	4	-	0	4	1	61	54				
	Madrid (8 a.m.)																					
SOUTHERN EUROPE.	Lisbon (9 a.m.)																					
	Gibraltar																					
Rome	1022.0	52	S	1	c	1017.7	+5	55	+14	S	1	-	0	*	3	54	41					
Azores (Horta, 8 a.m.)	1018.9	*	SW	5	0																	
Madeira (Funchal)	1028.2	63	NE	2	bc	1027.7	0	57	-2	W	2	-	b	2	-	66	57					

* Information for these columns not usually received.

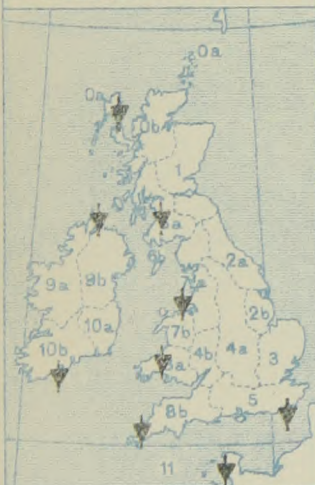
† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.



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

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. North Cone. South Cone. North Cone.

Cones hoisted at 8.55 a.m. to-day.

Western Channel and Bay 11

FURTHER OUTLOOK.

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

W. N. SHAW, Director.

Station	Date & 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.
		S. Farnborough 1st	S. Farnborough 7h.30m	S. Farnborough 1st	S. Farnborough 15h	S. Farnborough 3rd	S. Farnborough 7h.30m	S. Farnborough 3rd	S. Farnborough 14h.30m	S. Farnborough 5th	S. Farnborough 9h.30m				
Heights in Kilometres.	0														
	1														
	2														
	3														
	4														
	5														
Heights in Kilometres.	6														
	7														
	8														
	9														
	10														
	11														

Millibars

1050

1040

1030

1020

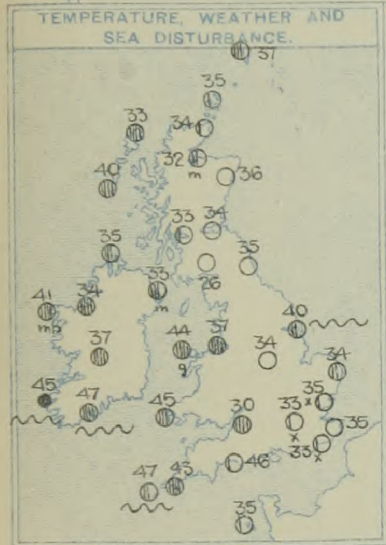
1010

1000

990

980

970



Miles.

31

30

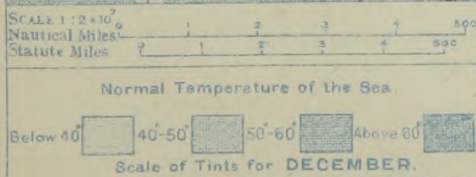
29

30

29

30

29



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.

DAILY WEATHER REPORT.

Sunday, December 6th, 1914.

REPORTS
FOR
YESTERDAY.

December 5th 1914.

REPORTS FOR YESTERDAY.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.											
		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.	
				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.
Belfast	1018.6	45	WSW	4	0	1016.7	2	45		WSW	6						48	42
Spitzbergen	998.6	-13	S	2	0	991.1	2	-18		S	1						-8	-20
Vardø	978.7	30	-	0	0	980.7	0	34		-	0			2			34	27
Bodo	971.5	41	E	2	0	988.4	+3	34		-	0			1			41	40
Christiansund	989.5	37	SW	1	0	979.1	-3	43		-	0			4		12	45	37
Skudesnes	987.8	46	SSE	8	0	976.4	-5	43		SSE	9			8		12	46	41
Faerder	995.9	46	SSW	7	0	986.6	-3	45		S	7			4		3	46	43
Haparanda	981.3	36	SW	4	0	989.1	-11	34		SW	6			4		1	37	34
Hernösand	987.9	43	SSW	4	0	982.2	-3	39		SSW	2			4		-	43	34
Stockholm	1002.0	47	SW	4	0	998.8	-4	41		SSW	6			4		1	45	39
Wiskoy	1009.1	47	SW	6	0	1001.2	-5	42		SSW	6			4		-	47	39
Marshall	999.0	43	SW	4	0	991.7	-8	41		S	6			4		-	43	39
Petrograd	1015.4	36	SSW	2	0	1006.3	-4	36		SW	3			4		-	36	36
Daneri	998.1	48	NW	9	0	1006.3	4	50		W	7			8		11	54	43
Rome	1028.3	45	-	0	0	1025.9	0	41		-	0			8		-	54	37

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.						° F.	° F.			
Scotland.							Tunbridge Wells ...	1	46	37	b.c.b	b.c.b	5.0
Banff ...	2	43	31	odg	ogr	0.0	Margate ...	1	47	40	b.c.b	b.c.b	4.1
St. Andrews ...				*	*		Ramsgate ...	5	47	33	b.c	b.c	4.7
England, N.E.							Folkestone ...	14	48	40	b.c.b	b.c	4.7
Harrogate ...	18	41	34	r.c.c	or	2.0	Hastings ...	16	46	38	b.c.b	b	4.6
Scarborough ...							Bexhill-on-Sea ...	2	50	41	b	c.b	4.6
Skegness ...	-	43	37	b.b	b.c.b	1.6	Eastbourne ...	10	44	41	b.c.b	b.c.b	4.0
England, N.W.							Seaford ...	4	57	52	b.c	b.c	4.5
Morecambe ...	5	45	33	og	og	0.3	Brighton ...	7	52	41	otc	b.c	5.5
Blackpool ...							Worthing ...	5	47	40	b	b	4.8
Southport ...	5	44	40	o.c.g.0	c.o.h.g.	1.5	Littlehampton ...	6	49	38	b.c	b.c	2
Midlands.							Bognor ...	4	46	39	b	b.c	4.7
Buxton ...	1	50	35	c	or.b	0.4	Southsea ...						
Leamington Spa ...	1	44	37	b.c	b.c	5.7	Bournemouth ...	6	46	37	b.c	b.c	4.4
Malvern ...	1	43	38	b.c	b.c	3.3							
Ross-on-Wye ...	3	43	37	b.c.c	b.c.c.b	3.5							
Wales.							Weymouth ...	1	46	38	b.c	b.c	2.2
Rhyl ...	2	46	42	c.o.c	c	1.0	Exmouth ...						
Colwyn Bay ...							Torquay ...	4	46	39	b	b.c.b	5.2
Llandudno ...							Paignton ...	6	48	37	b.c	b.c.b.c	4.6
Aberystwyth ...	2	45	40	r.c.c	c.o.0	0.5	Falmouth ...	11	46	37	clp	d.c.p	3.4
Tenby ...	2	47	36	b.c	b	3.3	Penzance ...	14	46	39	b.c.b	b.c.b	3.0
Swansea ...	8	45	35	b.c	b	2.3	Newquay ...	6	46	38	b.c	b.c	4.3
England, E.							Ilfracombe ...	12	51	45	clp	c	1.7
Cromer ...	-	45	37	b	b.c	4.8	Weston-super-Mare ...						
Lowestoft ...	-	44	39	b.c	b.c	5.0							
Felixstowe ...	-	44	39	b.c	b.c	5.0							
Walton-on-Naze ...	-	45	38	b.c.b	b.c.b	5.0							
Southend-on-Sea ...	-	45	38	b.c.b	b.c.b	5.0							

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN FALL.	TEMPERATURE.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To-day.		In Screen.	Min. on Grass.	Max.		Fore- noon.	After- noon.	Night.			In Screen.	Night Min. on Grass.	Max.	
	%	%		° F.	° F.	° F.		mm. §					° F.	° F.	° F.	
Greenwich (Royal Obs.) ...	71	84	5.4	43	33	27	-	b.c	b	b	Dublin to 4 p.m.	1	41	37	36	0.5
City (Bunhill Row) ...	*	*	2.1	*	*	*	*	*	*	*	Darwen to 9 p.m.	6	41	36	32	0.5
Westminster (St. James's Pk.)	74	86	4.6	41	31	27	-	b.c	b.c	m	Manchester "					
Camden Sq. (Brit. Rainfall)	71	87	3.3	44	31	28	-	b.c	b	*	Birmingham "	2	42	36	34	4.0
Hampstead (Reservoir) ...	*	77	3.6	42	32	19	-	b.c	b.c	rm	Oxford to 8 p.m.	*	41	36	31	*
Richmond Park ...	*	*	4.9								Teignmouth to 9 p.m.	5	47	37	34	4.0
Kew. (See front page.)											Plymouth "					
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.							S. Kensington (Museum Grounds to 6 p.m.)	0.4	46	37	30	*
S. Kensington (Roof of M.O.)	67	61	4.8	Total.	Average Rate.	Max. Rate.										
				325 Joules	11.2 Milliwatts.	29 Milliwatts.										

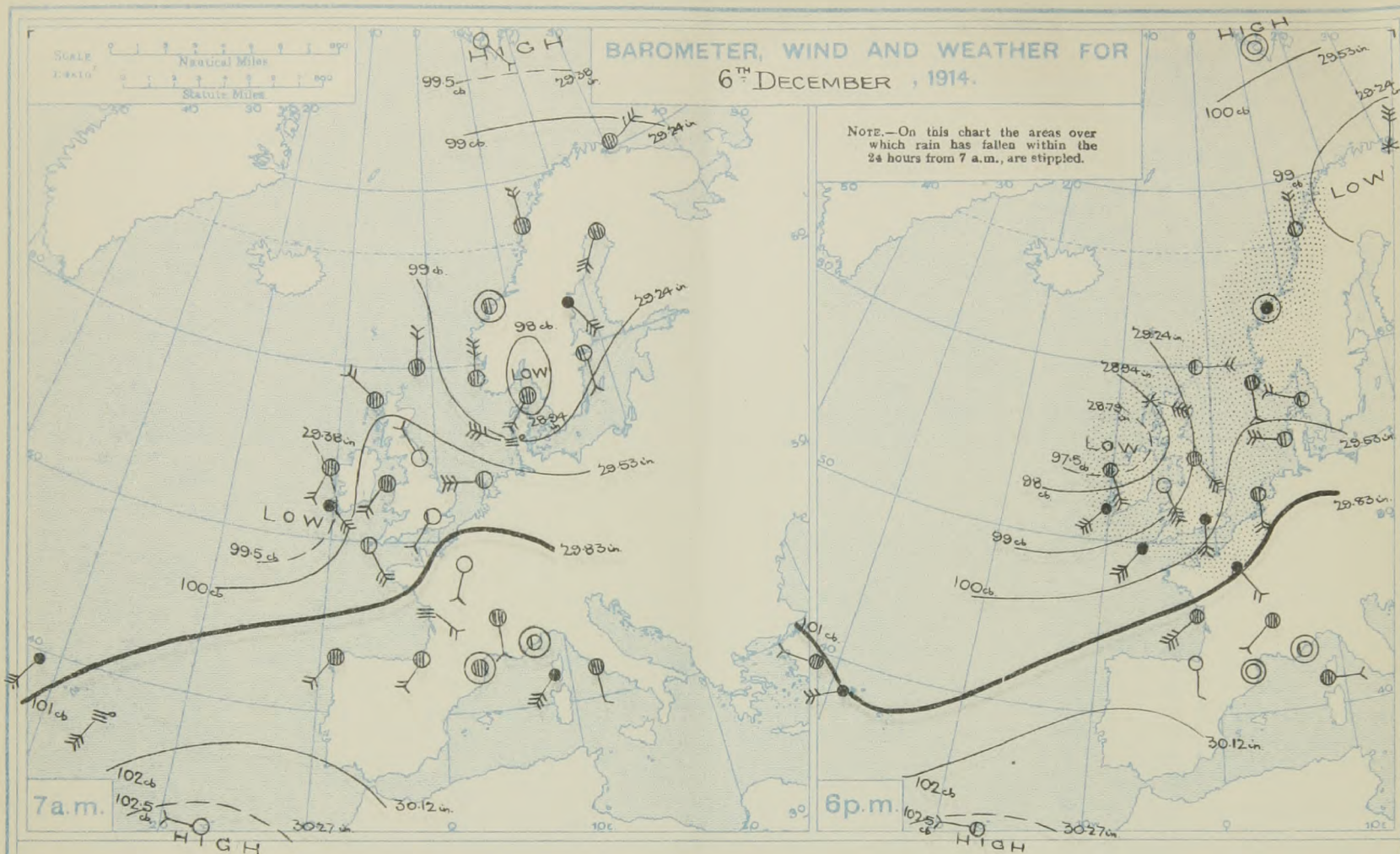
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON
AND SUNSET FOR STATIONS IN THE UNITED KINGDOM
TO-DAY AND TO-MORROW.

6th & 7th Dec. 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.49	11.44	3.39
Greenwich ...	7.51	11.51	3.51
Wick ...	8.47	12.3	3.26
Valencia ...	8.35	12.32	4.29

NOTES ON YESTERDAY'S WEATHER.
Temperature rose to about 50° at a few
stations, but generally it remained below 45°. Rain
fell in many places, hail locally and snow showers in
the north. Here and there thunderstorms occurred. There
was little or no bright sunshine in the far north and
west, but in most parts of England the records were good

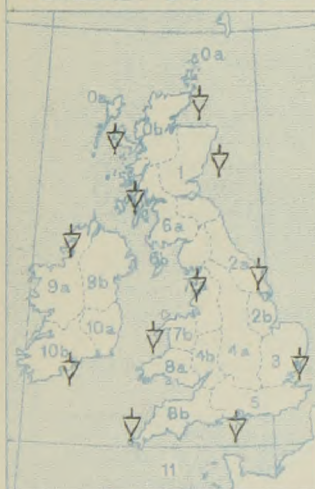
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded;
c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail;
l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain;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

South Cone hoisted yesterday at 8.25 a.m. in Districts 0b & 5b; at 1.56 p.m. in Districts 0a & 3.

Western Channel and Bay 11

0 } South-Westerly to Southerly winds, strong in places; cloudy, changeable, some showers; becoming temporarily milder.

2 } South-Westerly winds, strong and squally at times; mild, changeable, some showers, fine intervals.

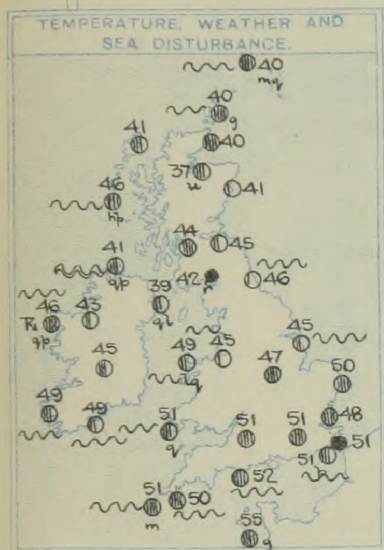
6 } Strong South-Westerly to Southerly winds, a gale in places; fair at first, some rain later; temperature remaining above the normal.

11 } Strong and squally South-Westerly winds and a rough sea; mild, cloudy, some showers, misty in places.

FURTHER OUTLOOK.

GENERAL INFERENCE.

The conditions are
favourable for the advance of
fresh disturbances from the
Atlantic.



inches
31

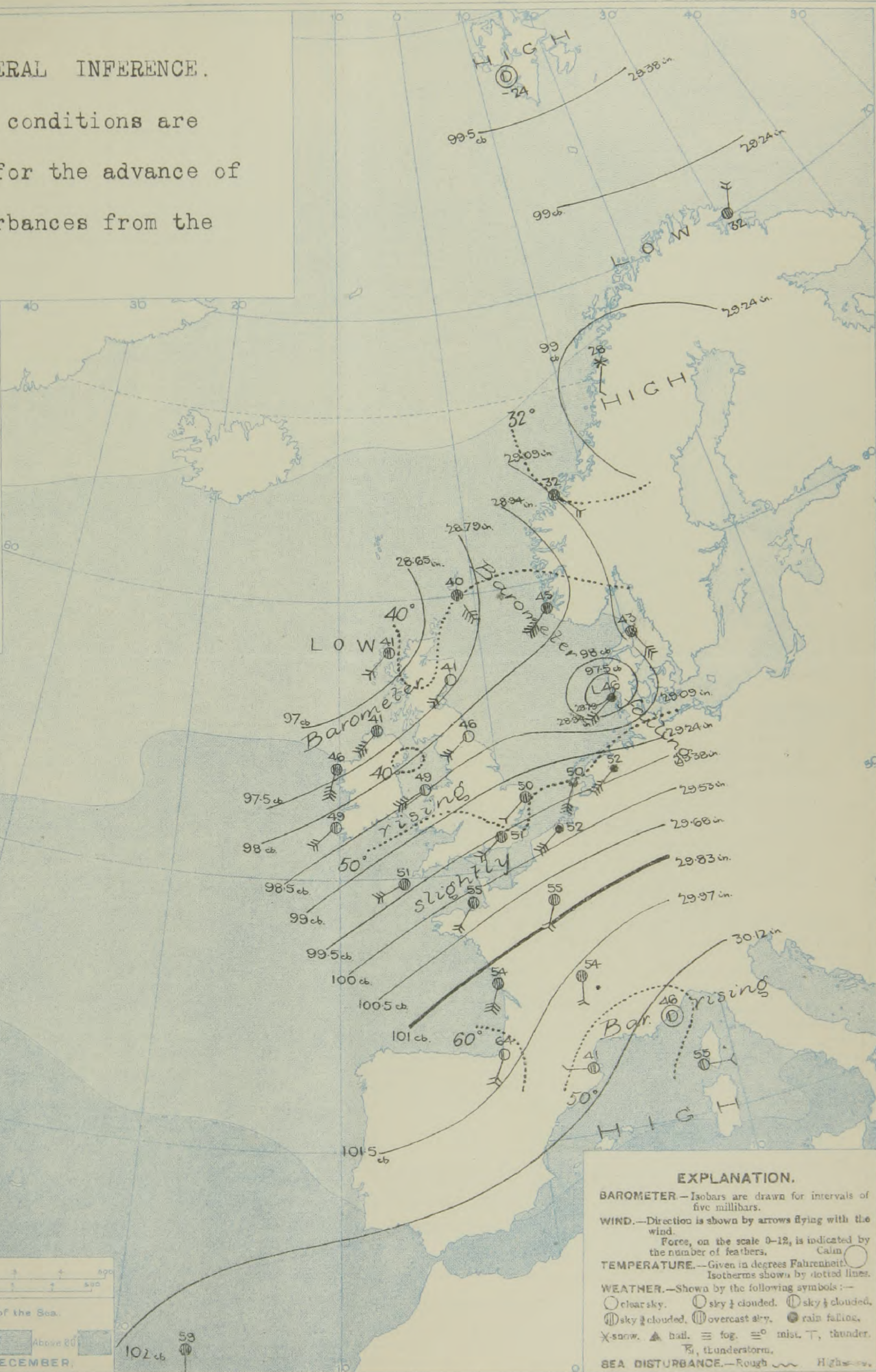
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29

SCALE 1:250,000
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

Below 40 40-50 50-60 Above 60
Scale of Tints for DECEMBER.



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.
X snow. ▲ hail. ☁ fog. ☁ mist. T, thunder.
☁ thunderstorm.

SEA DISTURBANCE.—Rough wavy High-sea.

DAILY WEATHER REPORT.

Monday, December 7th, 1914.

REPORTS
FOR
YESTERDAY.

DECEMBER 6th 1914.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.						° F.	° F.			
Scot- land.							Tunbridge Wells ...	1	45	30	om	od	0.0
Oban ...							Margate ...	-	47	34	o	o	0.0
Banff ...	2	43	34	bc	o	1.0	Ramsgate ...	-	47	31	o	o	0.0
St. Andrews ...				*	*		Folkestone ...	1	46	33	o.c	b. bc. or	0.0
Eng. N.E.							Hastings ...	1	47	33	b. bc. o	or	0.2
Harrogate ...	0.3	37	34	o	o	0.0	Bexhill-on-Sea ...	2	48	36	o	or	0.0
Scarborough ...	*	39	35	o	o	0.0	Eastbourne ...	0.3	40	36	o. o	or	0.0
Skegness ...	-	42	32	o	o	0.0	Seaford ...						
Eng. N.W.							Brighton ...	3	48	33	om. o	or	0.0
Morecambe ...							Worthing ...	2	53	31	c. o	or	0.6
Blackpool ...	1	45	38	o	or	0.0	Littlehampton ...	3	49	31	o	bc	1.0
Southport ...	1	40	37	o	or. or	0.0	Bognor ...	4	49	31	o	or	0.0
Midlands.							Southsea ...						
Buxton ...							Bournemouth ...	3	47	29	for	or	0.0
Leamington Spa ...	0.3	41	30	om	ow	0.0							
Malvern ...	1	42	33	c	c	0.0							
Ross-on-Wye ...	2	46	33	o	or. or	0.0							
Wales.							Weymouth ...	4	53	23	o	r	0.0
Rhyl ...	1	44	34	or	or	0.0	Exmouth ...						
Colwyn Bay ...	1	45	38	c	or	0.0	Torquay ...	9	52	33	o	or	0.0
Llandudno ...	1	47	36	c	b	0.0	Paignton ...						
Aberystwyth ...	1	44	39	o. c. o	o. or	0.0	Falmouth ...	13	55	34	or	or	0.0
Tenby ...							Penzance ...						
Swansea ...	7	49	34	bc. r.	m	0.0	Newquay ...	5	55	33	om. or	or	0.0
England, E.							Ilfracombe ...	3	55	38	or	or	0.0
Cromer ...	-	45	34	o	or	0.0	Weston-super-Mare ...	4	47	34	o. a	or	0.0
Lowestoft ...	0.3	45	34	c	or. or	0.0							
Felixstowe ...													
Walton-on-Naze ...													
Southend-on-Sea ...	0.3	45	32	o	o	0.0							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.									
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.										
				Max.	Min.								Max.	Min.														
24 HOURS ENDED 9 A.M. TO-DAY.																												
	%	%	Hr.	° F.	° F.	° F.	mm. §						° F.	° F.	F.				Hr.									
Greenwich (Royal Obsy.) ...	72	74	0.0	56	35	31	2	0	0	0.0r.	Dublin to 4 p.m.	mm. § 3	49	33	30	bc	c. or	q. b.	*									
City (Bunhill Row) ...	*	*	0.0	*	*	*	*	*	*	*	Darwen to 9 p.m.																	
Westminster (St. James's Pk.)	?	72		57	?	31	2	bc	bc.	bc. or	Manchester "				*													
Camden Sq. (Brit. Rainfall)		73	0.0	55	35	32	3				Birmingham "				*													
Hampstead (Reservoir) ...	*	77	0.0	54	33	26	4	07f	c. or	0	Oxford to 8 p.m.	*				*												
Richmond Park	*	*	0.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.															Teignmouth to 9 p.m.	12	56	33	31	bc	0. or	or	0.0	
Kew. (See front page.)																			Plymouth	"								
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Total.		Average Rate.		Max. Rate.												S. Kensington	Trace	45	34	24	b	bc. or	or.	*
S. Kensington (Roof of M.O.)	*	71	0.0	140 Joules		4.9 Milliwatts.		10 Milliwatts.												(Museum Grounds to 6 p.m.)								

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

7th & 8th Dec. 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.51	11.45	3.39
Greenwich ...	7.52	11.45	3.38
Wick ...	7.53	11.52	3.51
Valencia ...	8.49	12.4	3.19
	8.50	12.4	3.18
	8.57	12.33	4.29
	8.58	12.33	4.28

NOTES ON YESTERDAY'S WEATHER.

Over the north and east of Great Britain the thermometer failed to exceed 45°. Rain fell generally, and thunder and lightning occurred at some of the Irish stations. A Southerly gale was experienced on many parts of our coasts.

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; q. passing showers; 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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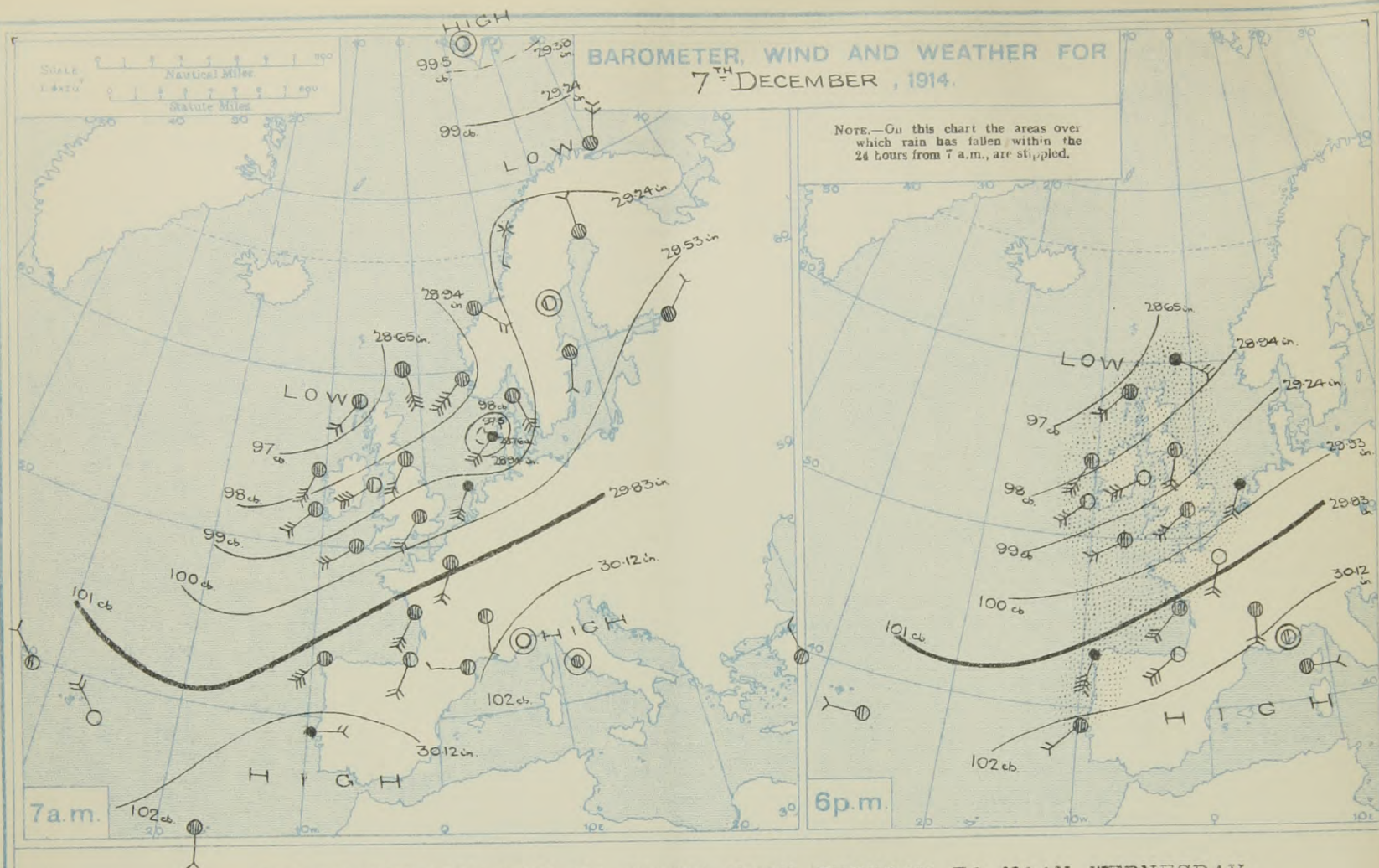
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 342. Tuesday, 8th December 1914.

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.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.																				
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.						Max.	Min.	Morning.	Afternoon.	Night.																		
																						° F.	° F.															
BRITISH ISLANDS.	Lerwick ...	974.2	41	ESE	3	r	977.6	+1	43	+3	S	2	-	0	2	19	44	39	od	op.	op	*																
	Deerness ...	973.6	41	SSW	5	bcp	976.6	*	41	+1	SSW	4	-	op	4	1	44	36	op	op. bc	bc. op	0.0																
	Stornoway ...	970.9	42	SW	4	opq	974.0	+1	43	+2	SSW	5	-	op	4	10	44	39	o. opq	opq.	bc. opq	0.2																
	Castletown (Barra Isd.)	970.6	?	?	7	op	970.1	-5	45	-1	W	4	-	op	5	5	49	42	op	op	o. bc. op	0.1																
	Glasgow ...	980.2	44	SSW	4	c	982.3	-2	43	-1	SSW	5	-	0	*	4	45	41	op. c.	c. dhp. c	o. dhp. c	0.0																
	Esksdalemuir ...	983.3	41	SSW	3	c	985.6	-1	43	+1	S	6	-	0	*	0.2	45	40	o. o	oph. c	c. o	0.1																
	Malin Head ...	973.6	43	SW	7	bcp	976.7	+5	44	+3	SSW	7	SW	bcp	7	6	46	40	bcp. opq	bcp.	bcp.	3.0																
	Markree Castle ...	978.6	42	SSW	5	opq	982.7	*	43	0	SSW	4	-	0	*	11	*	*	c. o. h	o. cp	o. cp	0.5																
	Blacksod Point ...	976.0	45	SSW	6	opq	980.6	+5	45	-1	SSW	5	SW	op	5	4	?	44	opq	opq	opq	*																
	Valencia ...	985.4	46	SW	5	b	988.6	+1	47	-2	SSE	5	-	bcp	6	2	50	44	op	bcp	c. op	2.2																
	Roche's Point ...	989.1	46	WSW	5	bc	992.1	*	47	-2	WSW	5	W	bc	6	9	50	43	bcp. opq	bcp. opq	bcp. opq	*																
	Birr Castle ...	983.7	44	S	5	c	986.8	*	44	-1	S	6	S	c	*	1	48	42	c	op	op	4.7																
	Donaghadee ...	980.5	44	SW	5	bcp	983.5	+1	43	+4	SW	5	SW	bcp	4	4	47	39	bcp. opq	bcp.	bcp.	*																
	Liverpool (Bidston) ...	988.0	42	SSW	3	bc	992.1	0	45	0	SW	4	S	c	4	4	50	41	om	op	op	1.1																
	Holyhead ...	986.3	48	WSW	6	bcp	990.1	0	49	0	WSW	8	W	bcp	7	-	51	46	o. c. opq	op. bc	bc. bc. c	1.1																
	Pembroke (St. Ann's) ...	990.6	48	WSW	6	b	994.3	+1	49	-2	SSW	6	SW	op	6	2	52	45	op	op	op	0.0																
	Scilly (St. Mary's) ...	995.0	50	WSW	4	c	999.1	+2	50	-1	SW	7	W	bc	6	4	52	42	om	opq	op	0.9																
	Falmouth ...	994.9	49	SW	4	o	1000.4	+2	48	-2	SW	7	-	b	6	7	52	43	op. opq	op.	op.	0.3																
	Jersey (St. Aubin) ...	993.4	52	WSW	4	op	1006.0	*	51	-4	SW	4	-	b	4	13	55	49	op. om	op. om	op. om	0.0																
	Portland Bill ...	994.6	50	WSW	7	bc	1000.6	+2	49	-3	SW	6	SW	bcp	6	1	53	48	op	op	op	*																
	Dunnet Head ...	996.2	51	SW	7	r	1002.8	+2	51	0	SW	6	SW	op	5	10	54	48	opq	opq	opq	*																
	Dover ...	996.5	50	SW	6	op	1003.4	+1	50	-1	SSW	5	W	bc	4	4	51	47	op	op	op	0.0																
Wick ...	974.6	40	WSW	2	o	977.3	+2	42	+2	SSW	2	-	bc	3	-	45	38	om	om	om	*																	
Nairn ...	975.1	41	WSW	2	bc	977.5	*	40	+3	-	0	-	cu	1	3	43	36	op	op	op	0.6																	
Aberdeen ...	978.8	43	SSW	4	b	981.7	+3	43	+2	SSW	3	-	o	3	-	45	41	bcp	bcp	bc. o	2.4																	
Leith ...	981.7	46	SW	3	bc	982.4	+2	45	0	SSW	5	-	op	*	0.1	48	44	bc. c	c. bc	bc.	*																	
Tynemouth ...	985.0	46	SSW	4	om	986.6	+2	45	-1	SW	6	-	op	5	-	48	43	bcp	bcp	bc.	*																	
Spurn Head ...	990.1	44	WSW	4	c	995.0	+2	44	-1	W	5	-	bc	5	2	48	42	c	c. b	bc.	0.0																	
Yarmouth ...	993.5	50	SW	1	om	1000.4	+2	44	-6	SW	2	SW	bc	1	1	52	40	o. om	om	bc.	0.0																	
Clacton-on-Sea ...	993.9	48	SSW	4	op	1001.1	+2	47	-1	SSW	4	SW	bc	3	2	49	45	op	op	op. bc	0.0																	
Nottingham ...	989.9	46	SW	3	r	995.9	*	44	-3	SW	3	SW	bc	*	2	54	42	bc	op	r. o. c. b	0.3																	
Bath ...	993.2	49	SW	2	r	1000.0	+1	46	-5	WSW	3	SW	b	*	2	54	45	o	op	o. op. bc	0.0																	
London (Kew Obsy.) ...	993.6	51	SW	5	c	1001.4	+2	48	-3	SW	5	SW	o	*	1	53	45	od. o	o. op. bc	op. bc. b	0.0																	
ICELAND, FAEROE, &c.	Spitsbergen ...												*	*	*	*	*	GALES. Duration and Extreme Force in British Islands. Malin Head 8th 3am SSW 8 Holyhead 8th 3am - 7am WSW 8 Scilly 7th 2pm. Squall 19 mps (8) Dunnet Head 7th 8am - 2pm SW 6 7th 2pm SW 9 Aberdeen 8th 1am gust. 19 mps (8)																				
	Isafjord ...												*	*	*	*																						
	Reykjavik ...												*	*	*	*																						
	Vestmanna ...												*	*	*	*																						
	Seydisfjord ...												*	*	*	*																						
	Thorshavn ...												*	*	*	*																						
NORTHERN EUROPE.	Vardö ...																																					
	Bodö ...																																					
	Christiansund ...																																					
	Skudesnaes ...																																					
	Færder (Xania Fjord) ...																																					
	The ScaW (Skagen) ...																																					
	Blaavands Huk ...																																					
	Haparanda ...													*	*	*	*																					
FRANCE, &c.	Hernösand ...													*	*	*	*																					
	Stockholm ...													*	*	*	*																					
	Wisby ...													*	*	*	*																					
	Karlstad ...													*	*	*	*																					
	Petrograd (3 a.m. G.M.T.) ...													*	*	*	*																					
	The Helder ...	926.0	48	SSW	5	r	1002.0	+2	48	-2	SSW	5	-	b	3	7	50	46																				
	Brussels ...	*	*	*	*	*								*	*	*	*																					
	C. Gris Nez ...	946.7	50	SW	7	r	1003.5	+3	50	-2	SW	7	*	c	5	13	55	48																				
	La Hève ...	999.9	54	SW	6	o	1007.5	*	46	-7	SW	5	*	o	5	5	55	45																				
	Ushant ...	1000.7	54	SW	7	c	1004.7	*	54	-4	SW	6	*	c	7	4	55	48																				
SOUTHERN EUROPE.	Brest (St. Mathieu) ...	1001.5	54	SW	5	r	1006.4	+1	50	-4	SW	5	*	c	5	4	55	45																				
	Rochefort (Ile d'Aix) ...	1010.6	55	SW	5	o	1014.1	+1	52	-2	SW	2	*	r	*	4	57	52																				
	Biarritz ...	1013.0	63	SW	6	b	1014.0	+2	59	-5	SSE	4	*	c	5	-	66	57																				
	Paris ...	1007.3	57	S	5	c	1010.7	+5	54	-1	SSW	3	-	o	*	1	61	52																				
	Belfort ...													*	*	*	*																					
	Lyons ...	1015.3	61	S	6	c	1017.5	*	56	+5	S	3	*	b	*	-	63	51																				
	Nice ...	1023.9	61	-	0	bc	1024.3	0	48	+2	-	0	*	b	2	-	57	46																				
	Perpignan ...													*	*	*	*																					
	Sanguinaire ...	*	57	E	2	o	*	*	55	0	E	2	*	o	3	-	63	48																				
	Corunna (7 a.m.) ...	1011.0	61	SSW	7	r	1013.5	0	62	-9	SSW	1	-	r	5	30	63	50																				
Madrid (8 a.m.) ...	1023.7	50	SW	1	c	1022.7	0	43		S	1	SW	c	*	-	52	43																					
Lisbon (9 a.m.) ...	1021.1	57	SW	3	o	1017.5	-1	57	0	SSW	4	-	o	?	1	63	57																					
Gibraltar ...													*	*	*	*																						
Rome ...													*	*	*	*																						
SOUTHERN EUROPE.	Azores (Horta, 8 a.m.) ...	1017.7	*	W	4	bc																																
	Madeira (Funchal) ...																																					

* Information for these columns not usually received.

† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

South Cone hoisted to-day at 3.35 a.m. in Districts 5 & 10.

Western Channel and Bay 11

FURTHER OUTLOOK.

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

W. N. SHAW, Director

South-Westerly to Southerly winds, increasing in strength; changeable, showery; temperature differing but little from the normal.

South-Westerly to Southerly winds, increasing in strength; fair at first, squally and showery later; temperature remaining above the normal.

South-Westerly winds, strong to a gale on coast; fair at first, squally and showery later; temperature remaining above the normal.

South-Westerly to Southerly winds, increasing to a gale; squally, changeable, some rain; temperature remaining above the normal

South-Westerly winds, strong to a gale in force; squally, showery; temperature remaining above the normal.

Millibars
1050

1040

1030

1020

1010

1000

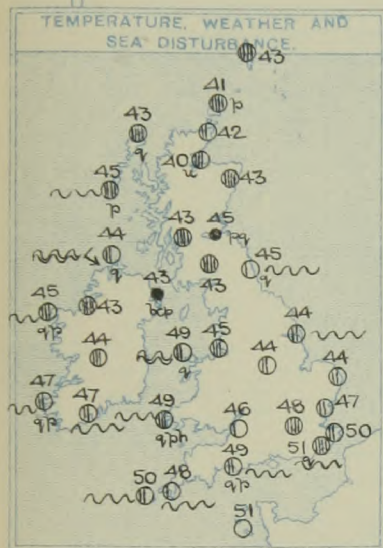
990

980

970

GENERAL INFERENCE.

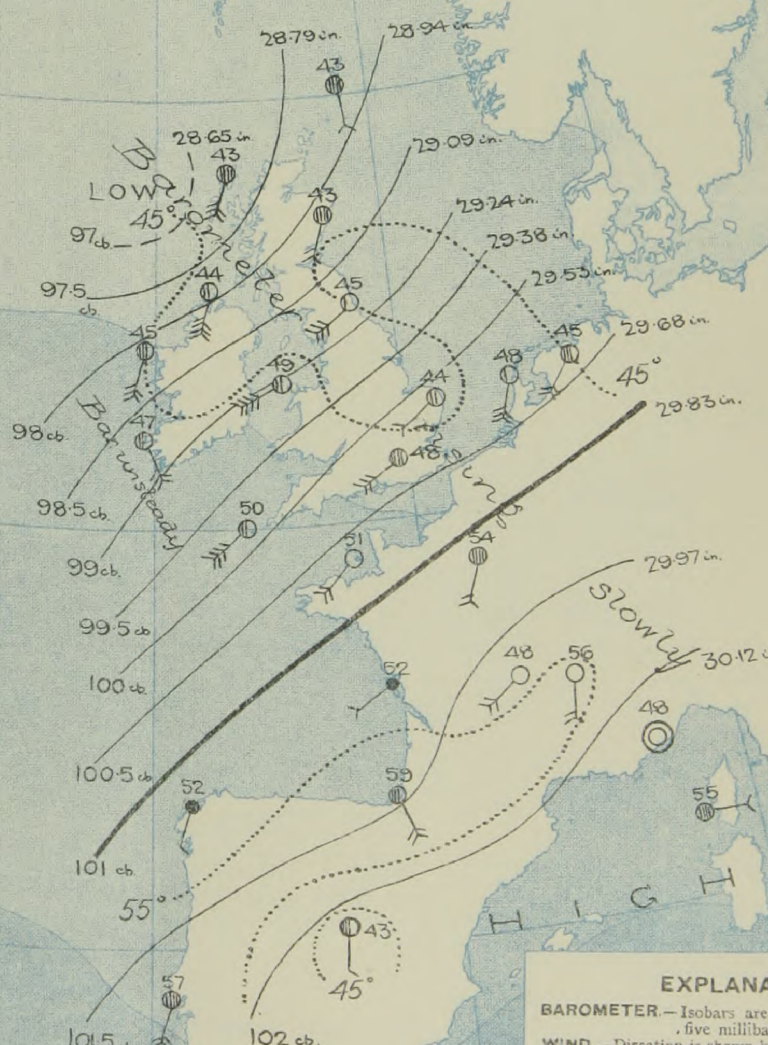
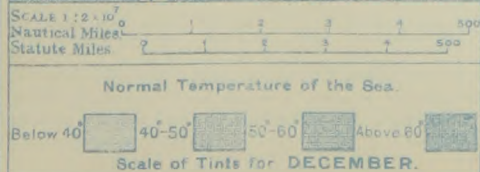
The backing winds in Ireland appear to indicate the approach of another depression from the Atlantic, and rough, changeable weather will therefore continue to prevail generally.



Inches.
31

30

29



EXPLANATION.

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

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

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

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

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

DAILY WEATHER REPORT.

Tuesday, December 8, 1914.

REPORTS FOR YESTERDAY. 7th December 1914.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										TEMP. Max. Min.		
		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.				
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.		Dry Bulb.	Change in 24 hours.					Direc.			Force 0-12.
Haparanda	987.9	36	SW	6	T	992.2	+1	27	-10	N	2	-	0	4	4	37	27		
Hernösand	989.9	34	-	0	bc	993.0	0	28	-8	-	0	-	0	4	4	27	27		
Stockholm	990.0	39	S	2	0	995.1	-2	37	+1	SSW	2	-	0	4	41	27	27		
Wisby	991.3	43	SW	4	0	998.6	-3	41	+2	SW	4	-	0	4	46	37	37		
Karlstad	992.2	36	-	0	0	991.7	-5	36	-3	SE	2	-	0	4	41	28	28		
Petrograd	1003.0	36	S	2	0	1003.0	+3	34		ENE	2	-	0	4	36	34	34		
Lyons	1017.1	51	S	1	0	1019.0		51	+5	S	1	-	0	4	55	46	46		
Corunna	1015.9	36.3	SW	6	bc	1012.3	-2	61	0	SW	7	-	0	5	63	59	59		
Rome	1019.8	52	SW	1	f	1022.9	+1	45	-10	N	1	-	0	4	67	48	48		
Horta	1010.1	4	W	2	0	1016.8	-2	51		NW	4	-	0	4	64	50	50		

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		°F.	°F.						°F.	°F.			
Scot. land.	Oban ...	13	46	34	eghqb	0.0	Tunbridge Wells ...	15	51	44	od	or	0.0
	Banff ...	7	45	35	bc.c.bc	2.4	Margate ...	4	53	40	or	or	0.0
	St. Andrews ...	12	46	35	*	0.8	Ramsgate ...	4	52	41	d	d	0.0
Eng. N.E.	Harrogate ...	6	46	35	c	0.4	Folkestone ...	4	51	44	or	or	0.0
	Scarborough ...	4	47	37	0	0.5	Hastings ...	14	53	48	or	or	0.0
	Skegness ...	3	49	34	0	0.1	Bexhill-on-Sea ...	17	52	46	or.o	or	0.0
Eng. N.W.	Morecambe ...	1	49	39	bc.b	2.5	Eastbourne ...	20	53	45	or	or	0.0
	Blackpool ...	2	50	39	c	0.6	Seaford ...	29	54	46	r	r	0.0
	Southport ...	2	50	39	bc.c.o	1.2	Brighton ...	17	50	42	ogt	or	0.0
Midlands.	Buxton ...	8	46	34	er	0.0	Worthing ...	16	51	46	r	r	0.0
	Leamington Spa ...	1	51	34	0.c	0.0	Littlehampton ...	12	53	48	r.or	r.or	0.0
	Malvern ...	7	50	35	c	0.0	Bognor ...	15	51	48	or	or	0.0
	Ross-on-Wye ...	5	54	46	bc	0.0	Southsea ...	6	52	43	or	or	0.0
Wales.	Rhyl ...	4	51	35		1.1	Bournemouth ...	13	52	47	0	0	0.0
	Colwyn Bay ...	3	52	45	bc	0.6	Weymouth ...	9	53	41	or	bc	0.0
	Llandudno ...	2	56	46	c	0.0	Exmouth ...						
	Aberystwyth ...	6	54	39	r.o.c	0.3	Torquay ...	16	53	49	0	r.or	0.4
	Tenby ...	11	52	46	or	0.3	Paignton ...	16	65	44	or	0	0.4
	Swansea ...	24	50	45	u.r	0.0	Falmouth ...	3	52	48	ogt	or	0.3
England, E.	Cromer ...	3	54	45	0.c	0.0	Penzance ...	9	53	49	0	0	0.5
	Lowestoft ...	3	54	43	0.c.o	0.0	Newquay ...	6	55	47	0	0	0.3
	Felixstowe ...	3	50	36	cd	0.0	Ilfracombe ...	4	56	46	0	0	0.3
	Walton-on-Naze ...	2	48	46	og	0.0	Weston-super-Mare ...						
	Southend-on-Sea ...	2	51	43	r.o	0.0							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	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.										
Greenwich (Royal Obsy.) ...	%	%	Hr.	° F.	° F.	° F.	mm.			
City (Bunhill Row) ...	91	74	0.0	52	44	37	1	0	0.0	b.c.b
Westminster (St. James's Pk.)	86	75	0.0	54	46	38	2	7	or	bc
Camden Sq. (Brit. Rainfall)	91	75	0.0	53	45	39	2	0	0.0	*
Hampstead (Reservoir) ...	*	76	0.0	51	43	32	2	0.0	b.c.p	b
Richmond Park	*	*	0.0							
Kew. (See front page.)										
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										
				Total.		Average Rate.		Max. Rate.		
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				127 Joules		14.4 Milliwatts.		14 Milliwatts.		
S. Kensington (Roof of M.O.)	90	72	0.0							

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

Site & Date.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.51	11.45	3.38
Greenwich ...	7.54	11.52	3.50
Wick ...	8.50	12.4	3.18
Valencia ...	8.52	12.33	4.28

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.

Additional Observations for Yesterday.

STATIONS.	RAIN FALL.	TEMPERATURE.		WEATHER.	
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.
		Max.	Min.		After- noon.
		°F.	°F.		
Dublin to 4 p.m.	3	49	44	42	bc.c
Darwen to 9 p.m.	5	46	39	35	bc.c
Manchester "					bc.b
Birmingham "	4	48	43	40	or
Oxford to 8 p.m.					or.b
Teignmouth to 9 p.m.	12	54	49	46	or
Plymouth "					c
S. Kensington (Museum Grounds to 6 p.m.)	3	56	43	42	or

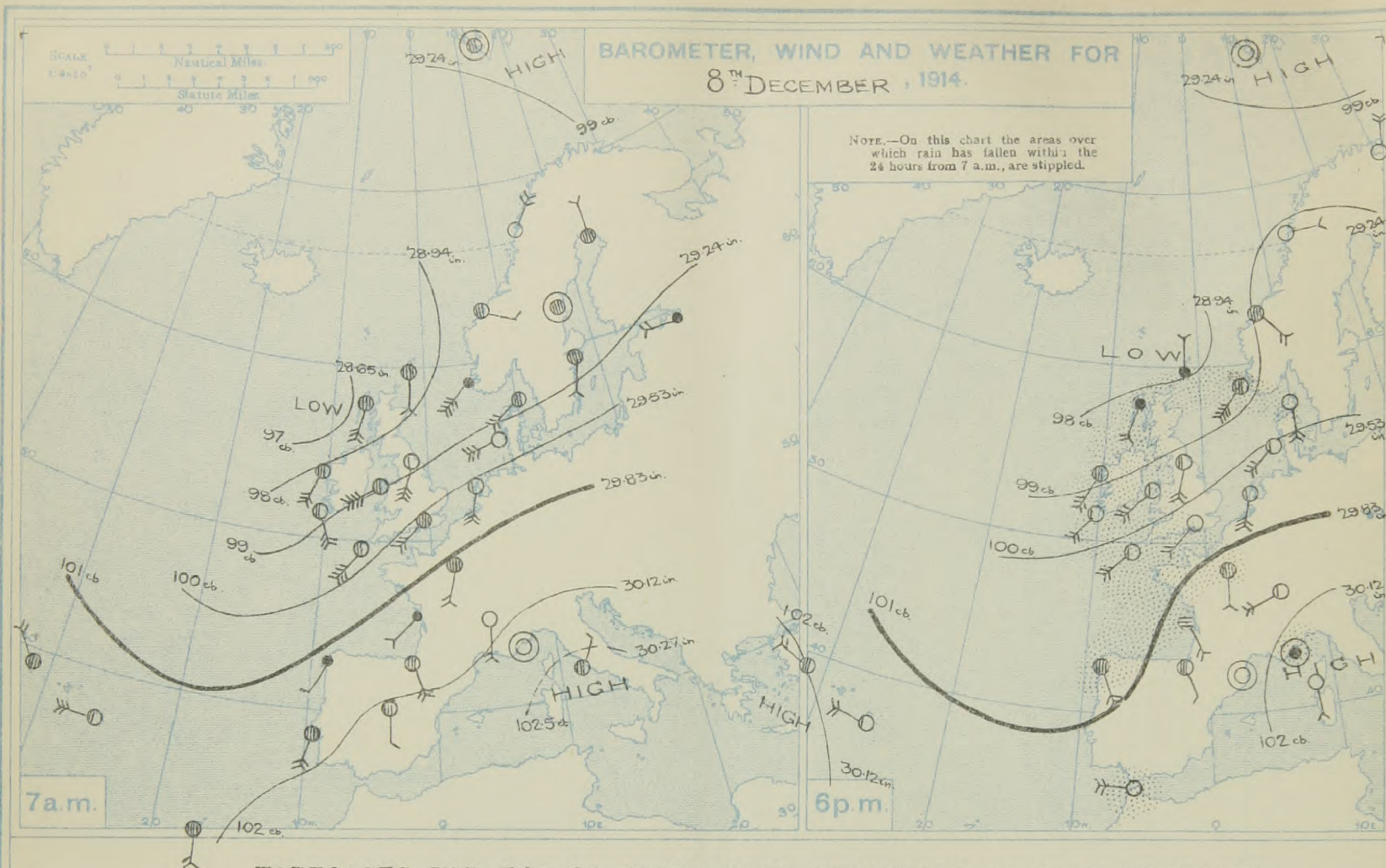
NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to between 50° and 55°
in most parts of England and Wales. Thunder was heard
at Weymouth, and lightning occurred locally in Ireland.
A fresh to strong South-Westerly gale was experienced
on several of the more exposed parts of our coasts.

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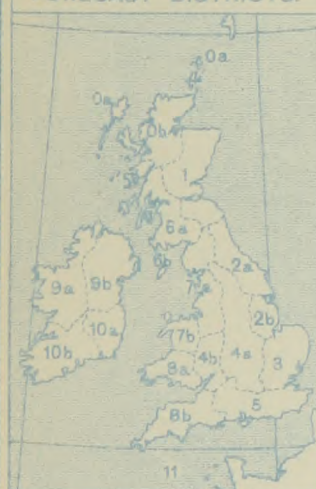
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 343. Wednesday
9th December 1914.

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.	Milli- bars at M.S.L.	Change in 8 hours.	Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 9-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.																							
	Lerwick	980.0	43	N	2	r	994.3	+3	41	-2	NE	6	-	0	5	2	45	38	op	op	opa	*	
	Deerness	981.4	41	SSW	3	cp	993.6	*	39	-2	N	4	N	r	4	8	45	39	or	r. op e	c. or	0.0	
	Stornoway	982.4	39	SSW	3	cp	996.4	+8	40	-3	NE	5	NE	ca	5	5	43	40	orm	orm. cp	cpa	0.0	
	Castlebay (Barra Isd.)	981.6	46	WSW	3	cp	995.0	+6	42	-3	NNW	4	-	op	4	9	47	41	c. c. op	c. ep.	c. op	0.9	
	Glasgow	988.8	44	SW	4	bc	995.1	+3	43	0	SSW	3	-	0	*	2	45	42	c. c. op	c. bc	c. op	0.0	
	Eskdalemuir	991.8	41	SW	4	c	996.8	+1	42	-1	SW	5	W	bc	*	18	43	40	c. op	op. c	c	0.0	
	Malin Head	985.0	44	SW	6	cpa	993.0	+3	44	0	SSW	4	SW	bc	5	7	46	42	bc p	cpa	bc	2.1	
	Markree Castle	992.9	42	SSW	3	bc	996.6	*	35	-8	-	0	-	b	*	11	*	*	c. op	c. op	bc	1.5	
	Blacksod Point	987.9	46	SSW	5	cpa	993.7	+2	44	-1	SSW	3	SW	bc	3	2	54	43	bc p	cpa	cpa. bc p	*	
	Valencia	996.2	47	SW	4	b	997.2	0	39	-8	E	1	-	bc	4	1	50	38	chq. cp	b. p	bc	3.2	
	Roche's Point	998.3	46	WSW	3	b	999.5	*	39	-8	E	1	W	c	4	2	50	39	bc p	bc. b	b. bc e	*	
	Birr Castle	994.2	44	SW	2	0	997.7	*	35	-9	SSE	1	-	b	*	4	48	34	cpa. or	cpa	bc	2.0	
	Donaghadee	991.2	42	SW	3	b	996.4	+3	37	-6	SW	3	-	b	2	0.2	47	37	bc p	bc p	bc. b	*	
	Liverpool (Bidston)	997.1	46	SW	4	b	1000.2	0	40	-5	S	2	-	b	2	1	48	39	bc p	bc p	bc	3.3	
	Holyhead	996.3	50	SW	6	bc p	999.0	0	47	-2	SW	3	-	b	3	Trace	51	46	c. bc. c p	op. c. bc	b. bc b	1.6	
	Pembroke (St. Ann's)	1000.3	50	SW	5	c	1000.2	-2	48	-1	SW	2	SW	bc	2	2	51	45	cpa. bc	cpa	cpa	0.4	
	Scilly (St. Mary's)	1002.6	50	SW	5	b	1000.1	-2	47	-3	W	1	-	0	4	0.3	52	45	bc p	bc. b	b. op p	4.8	
	Falmouth	1003.4	49	SW	5	b	1001.1	-2	42	-6	SW	1	-	0	6	Trace	52	41	bc p	bc p	bc p	3.6	
	Jersey (St. Aubin)	1007.9	51	SW	3	b	1000.8	*	46	-5	ESE	4	-	op. md.	3	0.4	53	46	b. c. c. o	c. b	b. op. md.	0.3	
	Portland Bill	1004.7	51	WSW	6	b	1001.7	-3	48	-1	NE	1	-	ou	4	7	53	45	bc p	bc. cp p	bc. c. o	*	
	Dungeness	1005.8	50	SW	5	b	1002.9	-3	48	-3	SW	3	-	0	4	4	52	48	bc p	cpa. bc	c. c. o	*	
	Dover	1007.1	50	SW	6	b	1004.3	-3	46	-4	ESE	3	SE	0	4	1	51	46	bc p	bc. cp. b	b. bc. op	2.1	
	Wick	981.9	39	WSW	2	bc	992.1	+5	42	0	ENE	3	-	r	4	10	45	36	bc. or	orm. bc	bc. op. r	*	
	Nairn	983.7	41	W	2	bc	993.4	*	40	0	-	0	-	od	1	1	46	37	c. bc	bc p	bc p	3.2	
	Aberdeen	985.8	44	SSW	5	b	993.8	+5	39	-4	-	0	-	0	2	-	47	38	c. c	bc	bc. b	3.2	
	Leith	988.6	45	SW	3	b	994.8	+3	44	-1	WSW	3	-	b	*	0.1	48	44	c. c. bc	bc b	bc	*	
	Tynemouth	991.3	46	SSW	4	bc m	996.6	+1	44	-1	SW	3	-	bc m	4	1	49	42	bc m	bc m	bc m	*	
	Spuin Head	998.3	46	WSW	5	bc	1001.5	0	41	-3	SW	5	-	bc	4	-	48	39	bc	bc	bc	4.6	
	Yarmouth	1002.8	47	SSW	4	bc	1003.2	-2	45	+1	SSW	2	SW	c	1	-	51	40	bc	bc	bc	6.0	
	Clacton-on-Sea	1003.8	45	SW	4	b	1003.1	-2	47	0	S	1	-	og	2	-	50	44	bc	bc p	b. og	3.4	
	Nottingham	1000.7	45	SW	3	b	1001.6	*	38	-6	SW	1	-	bm	*	-	49	37	c. o	c. b	b	2.5	
	Bath	1003.7	46	W	1	b	1002.0	-1	39	-7	E	1	-	m	*	-	53	38	bc	bc b	b. bc. or m	5.3	
	London (Kew Obs.)	1005.3	46	SW	3	b	1002.8	-3	43	-5	-	0	-	om	*	0.2	52	42	c. bc. c p	c. bc. p q	b. bc. or m	4.5	
	Spitsbergen	991.6	-15	-	0	b	990.7	*	-4	+5	NE	4	*	bc	*	*	-4	-20	GALES.				Kew 8th 2.55 p.m. Squall SW 8
	Isafford...												*		*	*	*	*	Duration and Extreme Force in British Islands.				
	Reykjavik												*		*	*	*	*					
	Vestmanna												*		*	*	*	*					
	Seydisfjord												*		*	*	*	*					
	Thörshavn												*		*	*	*	*					
	Vardö	987.0	23	NNE	4	b	989.3	+1	25		W	4	-	bc	3	*	30	2					Kew 8th 2.55 p.m. Squall SW 8
	Bodö	990.1	19	E	2	b	992.8	+1	23	+2	E	4	-	c	2	-	23	16					
	Christiansund	990.0	34	SE	3	0	992.6	+5	32	-2	NE	2	-	r	4	-	34	30					
	Skudesnaes	998.3	45	SW	8	c	992.7	+3	46	+3	SSW	7	-	c	5	8	46	41					
	Færder (Xianta Fjord)	992.4	45	SW	6	bc	995.1	+1	45	+2	SW	6	-	b	4	-	45	41					
	The Scaw (Skagen)	996.0	45	S	4	b	999.5	+1	43	0	WSW	4	-	b	3	1	46	41					
	Blaavands Huk	1000.6	46	SW	5	b	1004.4	+3	45	-1	SW	3	-	c	5	-	46	43					
	Haparanda													*	*	*	*	*					
	Hernösand													*	*	*	*	*					
	Stockholm													*	*	*	*	*					
	Wisby													*	*	*	*	*					
	Karlstad													*	*	*	*	*					
	Petrograd (3 a.m. G.M.T.)													*	*	*	*	*					
	The Helder	1005.6	46	SSW	5	b	1005.6	0	43	-5	S	2	-	0	2	-	48	43					
	Brussels	*	*	*	*	*								*	*	*	*	*					
	C. Gris Nez	1007.3	51	SW	6	c	1003.7	-2	45	-5	SE	3	*	r	3	1	55	45					
	La Hève	1009.5	48	SW	4	bc	1003.0	*	43	-3	NE	3	*	r	3	6	54	41					
	Ushant	*	*	*	*	*								*	*	*	*	*					
	Brest (St. Mathieu)	1007.9	52	SW	5	0	1000.8	-3	46	-4	SSE	2	*	0	5	-	55	45					
	Rochefort (Ile d'Aix)	1010.9	51	S	3	f	999.9	-3	51	-1	S	5	*	0	*	6	55	50					
	Biarritz	1010.9	61	SSE	1	c	1000.4	-5	59	0	S	5	*	c	5	-	63	59					
	Paris	1012.4	48	S	2	r	1002.9	-4	48	-6	SSE	1	-	0	*	4	55	48					
	Belfort	1015.9	54	WSW	4	b	1011.0	*	45		ENE	3	*	c	*	-	61	44					
	Lyons	1016.3	56	S	3	b	1009.5	*	56		S	3	*	0	*	-	61	54					
	Nice	1023.1	52	-	0	r	1018.7	-3	48	0	-	0	*	c	2	6	59	48					
	Perpignan	1015.8	50	-	0	b	1007.5	-5	55		S	4	-	bc	*	-	57	43					
	Sanguinaire	*	55	S	2	0	*	*	54	-1	E	2	*	b	2	-	61	48					
	Corunna (7 a.m.)	1008.8	50	SSE	4	0	1002.0	0	45	-7	SSW	2	-	0	4	8	52	45					
	Madrid (8 a.m.)													*	*	*	*	*					
	Lisbon (9 a.m.)													*	*	*	*	*					
	Gibraltar	1017.6	58	W	4	b	1014.5	*	55		W	4	-	r	3	5	65	54					
	Rome													*	*	*	*	*					
	Azores (Horta, 8 a.m.)																						
	Madeira (Funchal)																						



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.

Signals lowered this morning.

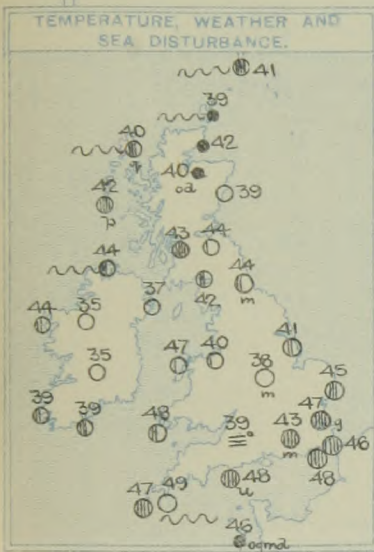
Western Channel and Bay 11

- | | | |
|----|---|--|
| 0 | a | } North-Easterly to variable breezes; misty and rainy at first, improving gradually later; rather cold. |
| 1 | b | |
| 2 | a | } Light variable breezes; fair generally, but misty or foggy in places; becoming colder. |
| 3 | b | |
| 4 | a | } Variable breezes, finally Easterly; fair at first, but misty or foggy in places, rain later; becoming cooler. |
| 5 | b | |
| 6 | a | } Easterly winds, light to fresh; dull, misty, some rain; becoming cooler. |
| 7 | b | |
| 8 | a | } Light variable breezes; fair generally, but misty or foggy in places; becoming colder. |
| 9 | b | |
| 10 | a | } Easterly and North-Easterly winds, light to fresh; dull, misty, some rain; becoming cooler. Light variable breezes; fair generally, but misty or foggy in places; frost inland to-night. |
| 11 | b | |
| | | } Freshening South-Easterly to South-Westerly winds, and a rather rough sea; dull, misty, some rain; becoming cooler. |

FURTHER OUTLOOK.

GENERAL INFERENCE.

The depression which is forming over the Bay of Biscay will spread northwards and occasion freshening Easterly winds and rain in all our more southern districts.



inches.
31

34

101

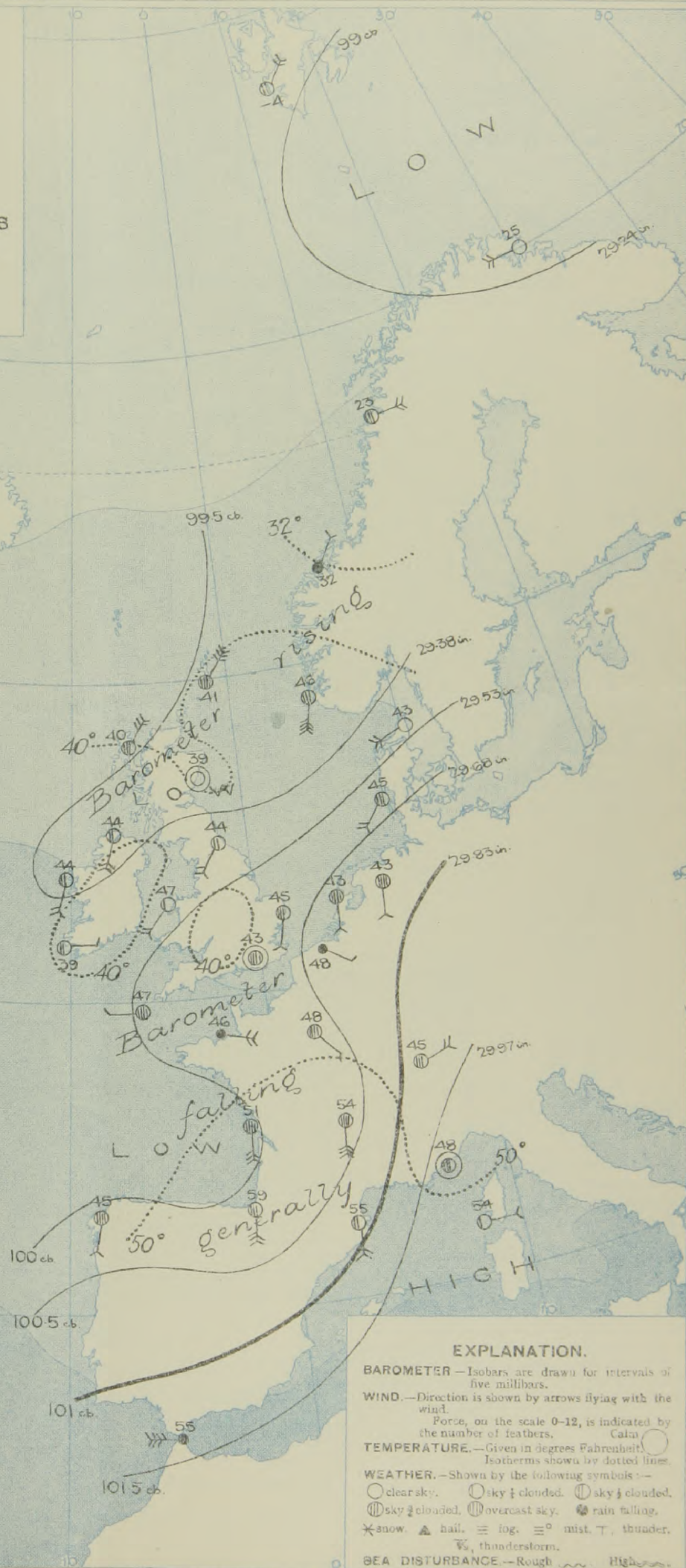
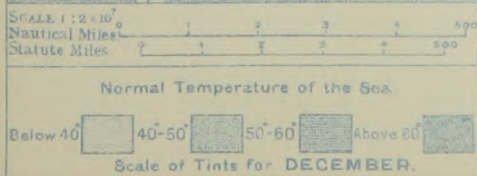
30

100

98

29

96



EXPLANATION.

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

WIND.—Direction is shown by arrows lying 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.

W, thunderstorm.

SEA DISTURBANCE.—Rough High.

DAILY WEATHER REPORT.

Wednesday, December 9th, 1914.

REPORTS
FOR
YESTERDAY.

December 8th, 1914.

REPORTS FOR YESTERDAY.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.											
		Barom. Milli- bars at M.S.L.	Temp.	Wind.		Weather.	Barometer.		Temp.		Wind.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall Milli- metres.	TEMP.	
				Force 0-12.	Dir.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Force 0-12.	Dir.					Max.	Min.
	Spiisbergen	998.9	-17	SE	4	0	991.3		-9	+15	-	0		0			-9	-24
	Bodo	987.1	21	E	4	0	984.5	0	21	-7	NE	4		0	2		28	16
	Christiansund	975.3	36	ESE	1	0	982.4	+3	24	+2	ESE	1		0	4		36	32
	Skudenes	980.6	46	WSW	6	0	983.1	0	43	-2	SW	8		0	6		46	41
	Faerøer	982.2	45	SW	8	0	984.3	0	43	+6	WSW	6		0	6		46	39
	Skagen	987.4	45	SW	5	0	988.2	0	43	0	WSW	6		0	6		46	34
	Blaavands	974.6	46	WSW	4	0	995.4	+8	46	0	WSW	4		0	6	Trace	46	45
	Hobartanda	986.1	23	N	2	0	985.2	0	14	-13	N	2		0		1	27	14
	Hernösand	986.6	27	-	0	0	982.1	0	34	-6	-	0		0		4	34	25
	Stockholm	986.9	27	SSW	2	0	987.8	0	39	+2	SSW	2		0		5	39	34
	Marstrand	984.2	43	SW	4	0	985.0	-1	41	+5	SW	4		0		9	45	34
	Petrograd	997.1	37	S	3	0	991.8	+1	39	+5	W	3		0		3	39	34
	Rome	1025.6	54	SE	1	0	1025.5	0	46	+1	NE	1		0		1	59	46
	Horta						1016.7	+2	57	+6	WNW	4		0	4		59	50

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		°F.	°F.						°F.	°F.			

Scot- land.	Oban ...	...	...	...	...	...	England, S.E.	Tunbridge Wells ...	...	...	...	...	...
	Banff ...	...	...	...	...	...		Margate ...	...	...	...	...	...
	St. Andrews ...	...	...	...	...	...		Ramsgate ...	...	...	...	...	...
Eng., N.E.	Harrogate ...	...	...	...	...	...	England, S.W.	Folkestone ...	...	...	...	...	...
	Scarborough ...	...	...	...	...	...		Hastings ...	...	...	...	...	...
	Skegness ...	...	...	...	...	...		Bexhill-on-Sea ...	...	...	...	...	...
Eng., N.W.	Morecambe ...	...	...	...	...	...	England, S.W.	Eastbourne ...	...	...	...	...	...
	Blackpool ...	...	...	...	...	...		Seaford ...	...	...	...	...	...
	Southport ...	...	...	...	...	...		Brighton ...	...	...	...	...	...
Midlands.	Buxton ...	...	...	...	...	...	England, S.W.	Worthing ...	...	...	...	...	...
	Leamington Spa ...	...	...	...	...	...		Littlehampton ...	...	...	...	...	...
	Malvern ...	...	...	...	...	...		Bognor ...	...	...	...	...	...
Wales.	Ross-on-Wye ...	...	...	...	...	...	England, S.W.	Southsea ...	...	...	...	...	...
	Rhyl ...	...	...	...	...	...		Bournemouth ...	...	...	...	...	...
	Colwyn Bay ...	...	...	...	...	...		Weymouth ...	...	...	...	...	...
England, E.	Llandudno ...	...	...	...	...	...	England, S.W.	Exmouth ...	...	...	...	...	...
	Aberystwyth ...	...	...	...	...	...		Torquay ...	...	...	...	...	...
	Tenby ...	...	...	...	...	...		Paignton ...	...	...	...	...	...
England, E.	Swansea ...	...	...	...	...	...	England, S.W.	Falmouth ...	...	...	...	...	...
	Cromer ...	...	...	...	...	...		Penzance ...	...	...	...	...	...
	Lowestoft ...	...	...	...	...	...		Newquay ...	...	...	...	...	...
England, E.	Felixstowe ...	...	...	...	...	...	England, S.W.	Ilfracombe ...	...	...	...	...	...
	Walton-on-Naze ...	...	...	...	...	...		Weston-super-Mare ...	...	...	...	...	...
	Southend-on-Sea ...	...	...	...	...	...			...	...	...	...	...

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	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.										
Greenwich (Royal Obs.) ...	%	%	Hr.	* F.	* F.	* F.	mm. §			
City (Bunhill Row) ...	74	97	3.0	51	42	35	0.3	b	b, bc	bc, of
Westminster (St. James's Pk.)	*	*	0.8	*	*	*	*	*	*	*
Camden Sq. (Brit. Rainfall)	74	95	3.5	53	44	38	-	bc	bc	f
Hampstead (Reservoir) ...	72	100	3.2	52	43	37	-	b, bc	bc	*
Richmond Park	*	94	4.1	51	42	31	0.3	bm	bc	of
Kew. (See front page.)	*	*		VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Total.		Average Rate.		Max. Rate.		
S. Kensington (Roof of M.O.)	71	92	3.5	269 Joules		9.4 Milliwatts.		24 Milliwatts.		

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

9th & 10th Dec. 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.53	11.45	3.36
Greenwich ...	7.54	11.46	3.37
Wick ...	7.55	11.52	3.50
Valencia ...	7.56	11.53	3.50
	8.52	12.44	3.17
	8.53	12.5	3.17
	8.54	12.33	4.28
	8.55	12.34	4.28

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.

Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
	mm. §	° F.	° F.	F.				Hr.
Dublin to 4 p.m.								
Darwen to 9 p.m.	4	43	38	33	c, of	wp, b	bc, wp	* 0.4
Manchester "				*				
Birmingham "	4	46	38	38	*	r, c	c	3.0
Oxford to 8 p.m.	*							*
Teignmouth to 9 p.m.	4	53	46	42	cp	cp, r	bc, p	* 3.2
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	1	52	46	37	o, b, bc	bc	c, o, wd	*

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 50° and upwards at the English and Irish stations, and touched 56° at Seaford. Lightning was seen in a few isolated localities, and thunder was heard at Ross-on-Wye. Rain fell in most of the western and northern districts, and locally in the south-east also.

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 344.

Thursday,
10th December 1914.

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. Milli- bars at M.S.L.	Change in 3 hours.	Temp.		Wind.		Direc. of Upper Cloud.	Weather.	Sea °-10.	Rain- fall. Milli- metres.	Temp.		Weather.			
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1005.6	35	NE	6	c	1010.8	+2	36	-5	NE	3	NE	c	3	3	41	31	cpsg	cg	bcbp	
	Deerness	1005.4	35	NNE	5	o	1004.8		36	-3	E	3	E	c	4	1	42	33	r.op	op.o	cbhe	0.0
	Stornoway	1005.0	40	NE	7	bpg	1007.1	0	36	-4	SE	7	SE	bq	5	0.2	41	35	bpg	bpg	bc.bq	0.8
	Castlebay (Barra Isd.)	1000.4	42	NE	5	bc	1002.9	+1	43	+1	ESE	5		o	5	3	44	39	op.c	c.bc	bc.o	1.5
	Glasgow	1000.9	40	E	2	od	1006.2	+3	35	-8	ENE	3	E	b		1	44	34	o.c.og	odp	cb.b.bc	0.0
	Esksdalemuir	1001.6	32		0	b	1005.8	+3	36	-6	N	3	SE	bc		0.1	44	29	c	c.bc.b	or.c.bc	1.5
	Malin Head	998.4	44	SW	2	bc	1001.3	+1	42	-2	SE	5	S	bc	4		47	39	bc	bc	bc	3.0
	Markree Castle	998.6	34		0	b	1000.7		38	+3	SSE	2		m		1			bc	bc	bm.ord	4.0
	Blacksod Point	997.6	43	SE	2	om	998.7	+2	40	-4	SSW	2	SW	cm	3	1	48	40	bep	bcn	bm.cm	
	Valencia	997.8	41		0	r	994.5	+1	43	+4	SE	3		omp	4	7	46	39	cv	or	cmp	0.0
	Roche's Point	998.8	45	SW	2	r	1001.6		39	0	SW	1	SW	bc	3	4	49	36	bc	bc.cop	or.bc	
	Birr Castle	998.9	36	SE	1	c	1001.4		34	-1		0		b			45	33	b	bc.c	bc	5.1
	Donaghadee	999.4	38	SSW	2	bq	1002.5	+2	43	+6	SE	5	SE	cg	4		47	36	bq	bq	bc.cm.c	
	Liverpool (Bidston)	1000.2	40	ESE	1	m	1003.9	+3	38	-2		0		o	1		45	37	om	om	o.c	0.0
	Holyhead	999.5	44	SE	3	b	1002.3	+1	42	-5	E	5		bcwm	4	Trace	48	40	b.bc.co	c.op.c	b.bcwm	0.0
	Pembroke (St. Ann's)	999.6	43	E	2	m	1003.2	+2	42	-6	NW	1		or	2	3	48	39	c	cg	cmp.f	0.0
	Scilly (St. Mary's)	998.6	47		0	bc	1003.1	+3	45	-2	WNW	3	W	bc	3	1	50	43	c	bc	bc.lp	0.1
	Falmouth	999.0	44	W	1	m	1003.6	+4	43	+1	NW	1		o	2	1	47	40	o	o	o	0.0
	Jersey (St. Aubin)	994.0	45	N	6	omrg	1003.7		45	-1	W	3	W	ogm	3	45	46	43	omr	omr	omr.gm	0.0
	Portland Bill	997.4	45	NE	2	o	1001.5	+4	44	-4	NW	3		c	3	1	49	43	c.o	o	or.bc	
	Dungeness	995.8	46	ENE	4	r	994.6	+4	45	-3	NNW	4		o	3	21	48	45	or	or	or.c.o	
	Dover	997.6	45	NE	4	r	994.7	+3	45	-1	SW	1	NW	o	2	24	49	43	or	or	or.o	0.0
Wick	1004.0	39	NE	3	o	1004.6	+1	37	-5	E	2		c	5	5	42	36	omr	q.ogp	ca		
Nairn	1003.8	39	NNE	5	ogu	1008.7		35	-5	NE	1		ou	2	5	41	33	p.o	pq.c	op.o	0.0	
Aberdeen	1002.9	40	NNW	3	c	1008.5	+2	38	-1	ENE	5		bc	3	4	42	36	op	op.c	bc.cp	0.9	
Leith	1002.4	43	NE	2	o	1006.4	+3	40	-4	NE	3		p		3	47	39	bc.c	bc.or	o		
Tynemouth	1000.5	40	SW	1	bm	1004.0	+3	45	+1	ESB	4		ompa	4	1	45	38	bcn	bm	ompa		
Spurn Head	1001.5	40		0	bc	994.9	0	44	+3	NNE	3		o	4		45	39	om	om	om	0.0	
Yarmouth	1000.2	45	S	1	o	996.6	+2	43	-2	NE	6	NE	ogp	4	17	47	41	o	o	ogp	0.0	
Clacton-on-Sea	998.7	45	E	3	ogr	993.9	+3	44	-3	N	4	N	og	3	38	47	43	oge	ogd.r	ogp.r	0.0	
Nottingham	1000.2	35		0	f	1001.6		40	+2	N	3	N	o			40	33	c.om	omf	feo	0.0	
Bath	999.0	41	E	1	o	1003.0	+2	40	+1	NNW	1	N	o			43	37	om	om	om	0.0	
London (Kew Obsy.)	999.2	46	ENE	2	or	999.2	+7	43	0	NW	4		or		34	48	41	om.f.om	om.or	or	0.0	
ICELAND, FAEROE, &c.	Spitsbergen												*	*	*	*	*	*	*	*	*	
	Isafjord...												*	*	*	*	*	*	*	*	*	
	Reykjavik												*	*	*	*	*	*	*	*	*	
	Vestmanna												*	*	*	*	*	*	*	*	*	
	Seydisfjord												*	*	*	*	*	*	*	*	*	
	Thorshavn												*	*	*	*	*	*	*	*	*	
NORTHERN EUROPE.	Vardö																					
	Bodö																					
	Christiansund																					
	Skudesnaes																					
	Færder (Xaniafjord)																					
	The Scaw (Shagen)	1001.2	45	SSW	3	o	1001.7	0	39	-4	WSW	1		f	0	Trace	45	39				
	Blaavands Huk	1002.6	45	S	1	f	1001.1	-1	41	-4	NE	1		r	1	8	46	41				
	Haparanda														*	*	*	*	*	*	*	
	Hernösand														*	*	*	*	*	*	*	
	Stockholm														*	*	*	*	*	*	*	
FRANCE, &c.	Wisby														*	*	*	*	*	*	*	
	Karlstad														*	*	*	*	*	*	*	
	Petrograd (6 a.m. G.M.T.)														*	*	*	*	*	*	*	
	The Helder	1001.0	43	ENE	3	r	996.7	0	45	+2	E	1		o	1	26	45	43				
	Brussels		*	*	*	*	*							*	*	*	*	*	*	*	*	
	C. Gris Nez	996.0	41	E	4	f	993.6	+2	45	0	W	5	*	o	3	17	48	43				
	La Hève	993.1	52	ENE	4	o	1001.6		45	+2	NNW	5	*	o	6	1	55	43				
	Ushant	1000.7	54	W	2	c	1006.0		51	+1	NW	5	*	c	4	7	57	46				
	Brest (St. Mathieu)	1000.7	51	E	1	o	1005.7	+3	50	+4	N	4	*	c	3		54	45				
	Roche fort (Ile d'Aix)	999.8	50	W	5	r	1004.0	+4	50	-1	WNW	5	*	o	5	5	52	48				
SOUTHERN EUROPE.	Biarritz	1003.7	50	WSW	4	r	1011.9	+3	51	-8	SW	5	*	r	6	17	59	46				
	Paris	997.6	52	SSE	2	r	1003.1	+4	45	-3	SSW	4		o	*	1	55	45				
	Belfort													*	*	*	*	*	*	*	*	
	Lyon	1003.0	56	S	5	b	1008.2		42	-14	WSW	2	*	r	*	15	60	41				
	Nice	1012.3	54	E	4	c	1004.2	-1	47	-1		0	*	r	4	37	55	45				
	Perpignan	1002.3	57	S	3	o	1009.0	+5	48	-7	NW	5	W	o	*		63	46				
	Sanguinaire		61	E	2	bc	*	*	53	-1	SW	3	*	r	3	4	63	48				
	Corunna (7 a.m.)	1007.1	52	W	3	c	1014.7	+2	46	+1	W	3		r	4	4	52	45				
	Madrid (8 a.m.)	1008.6	43	WSW	2	c	1020.8	+2	39		W	3		c	*	1	46	36				
	Lisbon (9 a.m.)																					
Gibraltar																						
Rome																						
Azores (Horta, 8 a.m.)	1016.4	*	SW	5	r																	
Madeira (Funchal)																						

RAINFALL.

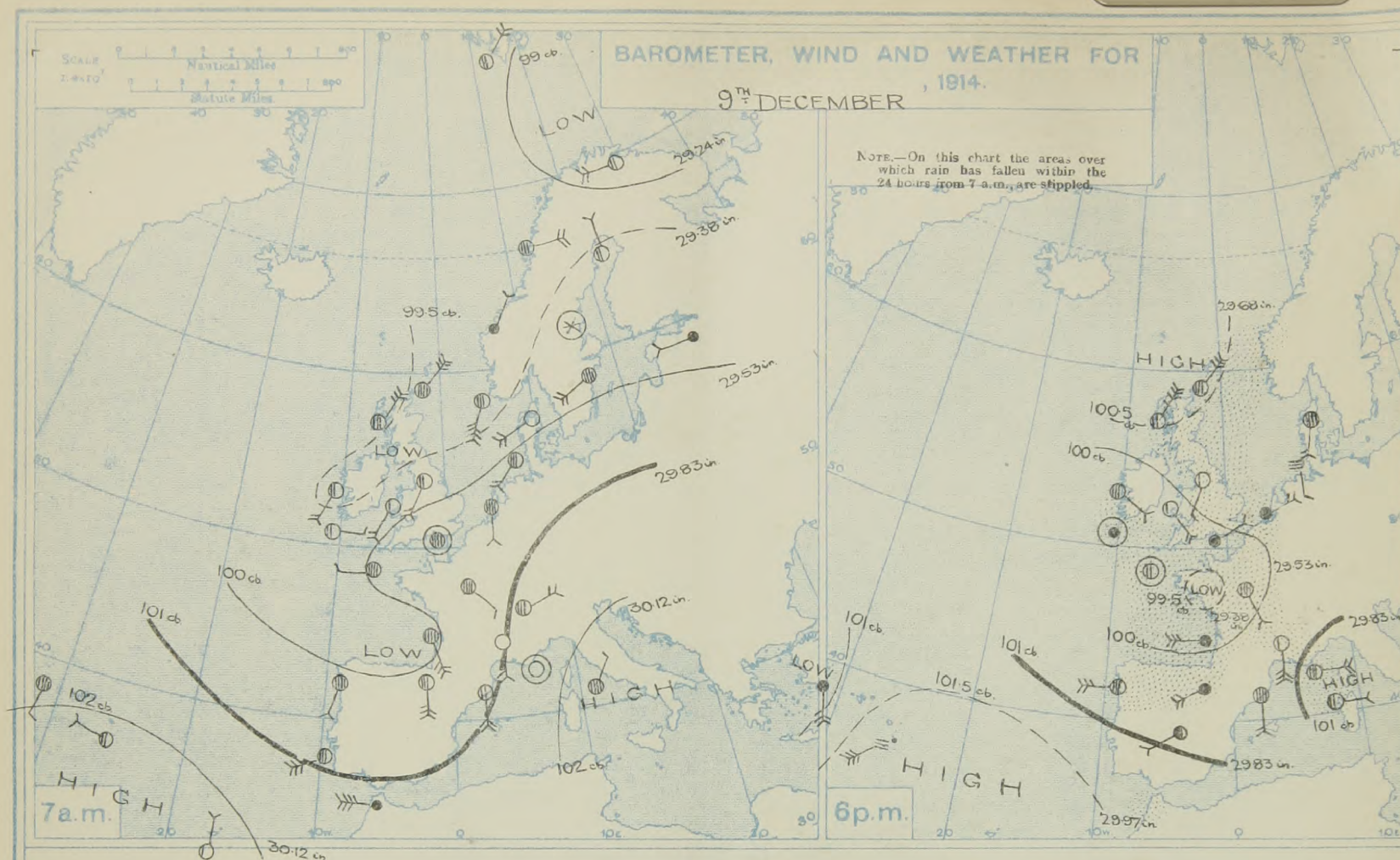
Equivalents of Millimetres.
in Inches.

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	0.58	40	1.58
16			

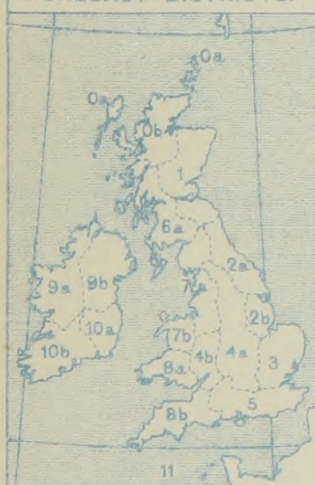
RAINFALL.

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



FORECAST DISTRICTS.



STORM WARNINGS.

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

Signals hoisted yesterday.

South Cone.

North Cone.

Signals hoisted this morning.

South Cone.

North Cone.

NO WARNINGS

ISSUED

Western Channel and Bay. 11

FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

Easterly and North-Easterly winds, strong in places; fair at first, snow or sleet showers later; remaining cold.

Northerly and North-Easterly winds, moderate or fresh; cold, changeable, some showers.

Light North-Westerly to variable breezes; showery at first, improving later, but mist or fog locally; temperature below the normal.

Easterly winds, freshening; fair at first, some rain or sleet later; remaining cold.

Light winds, shifting to Southward or South-Eastward; fair at first, some rain later; temperature below the normal.

Easterly winds, freshening; fair at first, some rain or sleet later; remaining cold.

Southerly and South-Easterly winds, freshening; dull, unsettled, some rain; temperature below the normal.

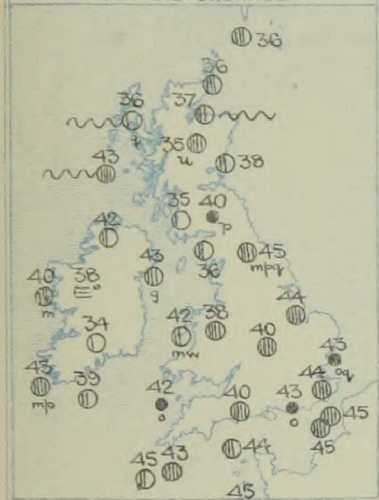
Fresh or strong Westerly to South-Westerly winds, and a rather rough sea; fair at first, some rain later, misty in places; normal temperature.

FURTHER OUTLOOK.

GENERAL INFERENCE.

The depression off our south-east coasts will pass away to the eastward, and a temporary improvement in the weather will take place over England. There are some indications of the approach of another disturbance towards the Irish coasts.

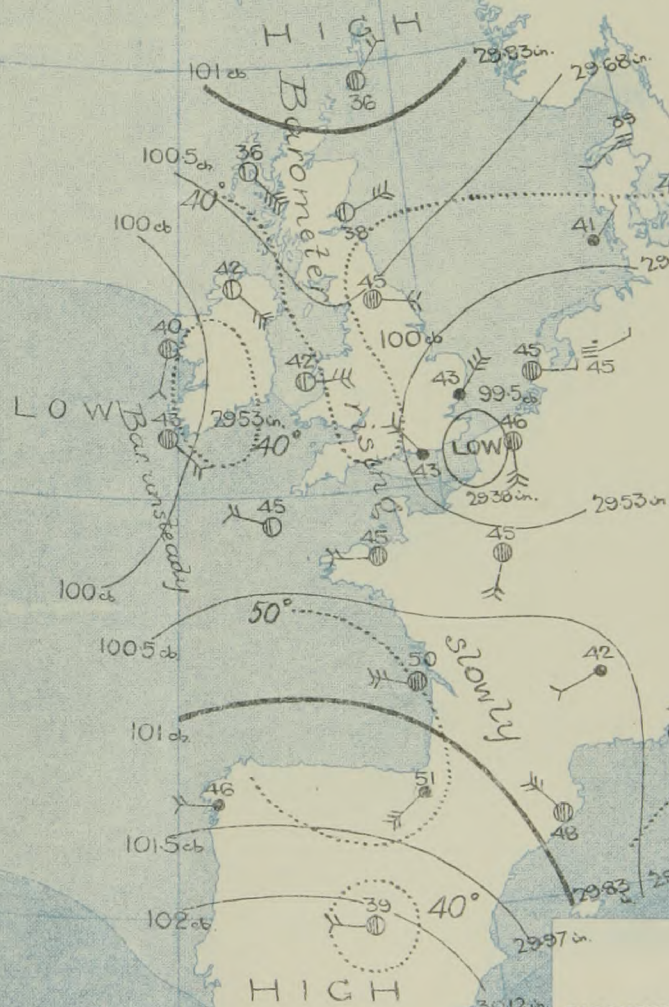
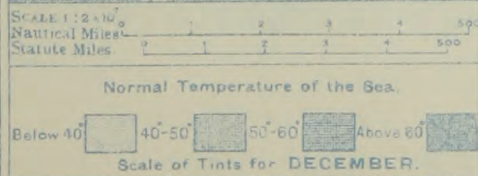
TEMPERATURE, WEATHER AND SEA DISTURBANCE.



Inches
31

30

29



EXPLANATION.

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

DAILY WEATHER REPORT.

Thursday, December 10th 1914.

REPORTS
FOR
YESTERDAY.

December 9th, 1914.

STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.													
	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.			
			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.		
Haparanda	989.3	14	N	2	0	996.4	+3	12	-2	N	2	-	0	*	-	16	10		
Hernösand	989.0	30	-	0	bc	997.3	0	23	-11	-	0	-	5	*	Trace	34	21		
Stockholm	992.8	41	SW	2	0	999.9	+2	41	+2	WSW	4	-	0	*	2	43	37		
Wisby	999.9	45	W	6	0	1005.6	+3	42	+2	SW	4	-	0	*	4	46	41		
Karlstad	993.2	43	SW	2	c	997.6	+3	43	+2	SW	6	-	c	*	5	45	37		
Petrograd	989.2	39	S	2	T	999.5	+4	41	+2	W	2	-	T	*	2	43	36		
Ushant	1004.7	54	SW	5	bc	999.4	*	50	-4	S	3	-	0	*	5	55	48		
Lisbon	1009.9	59	S	5	0	1009.0	+2	50	-7	WSW	6	-	c	0	22	61	50		
Horra	1018.0	*	NW	4	c	1021.0	+2	55	-2	W	4	-	0	*	2	66	56		
Funchal	1016.8	62	N	2	0	1022.1	+2	57	-2	N	2	-	0	*	2	66	56		

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.		
Scot- land.	Oban ...	6	47	36	alm. o	or	0.0	England, S.E.	Tunbridge Wells ...	10	46	42	0	or	0.0	
	Banff ...	4	43	37	ogg. ke	cyp. ke	0.0		Margate ...	9	48	46	cr	or	0.0	
	St. Andrews ...	1	45	40	*	*	1.4		Ramsgate ...	9	46	43	r	0	0.0	
Engl. N.E.	Harrogate ...	-	40	35	bc. cm	cm	0.0	England, S.E.	Folkestone ...	14	45	44	or	or	0.0	
	Scarborough ...	*	44	38	0	0.0	0.0		Hastings ...	10	50	42	bc. or	or	0.0	
	Skegness ...	-	44	39	0	0	0.0		Bexhill-on-Sea ...	6	51	47	or	or	0.0	
Engl. N.W.	Morecambe ...	-	44	37	bc	0	0.0	England, S.E.	Eastbourne ...	12	46	43	or	or	0.0	
	Blackpool ...	1	45	37	om	cm	0.0		Seaford ...	19	51	43	r	r	0.0	
	Southport ...	0.3	43	37	bc. c	ogg	0.0		Brighton ...	14	47	43	0. or	r	0.0	
Midlands.	Buxton ...	-	43	34	bc	bc. m	0.0	England, S.W.	Worthing ...	11	46	43	or	r	0.0	
	Leamington Spa ...	-	42	35	of	of	0.0		Littlehampton ...	8	48	43	od	or	0.0	
	Malvern ...	-	43	38	m	m	0.0		Bognor ...	1	48	45	of	of	0.0	
Wales.	Ross-on-Wye ...	Trace	46	32	omg	gse	0.0	England, S.W.	Bournemouth ...	6	46	43	or	or	0.0	
	Rhyl ...	-	49	28	og	og	0.0		Weymouth ...	-	46	40	0	c	0.0	
	Colwyn Bay ...	-	47	40	bc	bc	0.0		Exmouth ...	0.3	45	40	0	0	0.0	
England, E.	Llandudno ...	0.3	49	40	c	c	0.0	England, S.W.	Torquay ...	0.3	45	40	0	0	0.0	
	Aberystwyth ...	1	46	40	or. c	c. 0.0	0.0		Paignton ...	0.3	47	42	03	03	0.0	
	Tenby ...	2	49	40	bc.	bc. 0	0.0		Falmouth ...	0.3	49	41	05	0	0.0	
England, E.	Swansea ...	5	48	43	0	f	0.0	England, S.W.	Penzance ...	-	47	41	om	om	0.0	
	Cromer ...	-	45	40	0. c	0. c	0.0		Newquay ...	1	48	44	0	0	0.0	
	Lowestoft ...	-	47	43	c. 0	0. 0	0.0		Ilfracombe ...	-	46	42	m	m. f	0.0	
England, E.	Felixstowe ...	1	47	40	om	or	0.0	England, S.W.	Weston-super-Mare ...	-	46	42	m	m. f	0.0	
	Walton-on-Naze ...	2	46	44	ogd.	or	0.0									
	Southend-on-Sea ...	5	48	44	c. od.	r	0.0									

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	6 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
	° F.	° F.	Hr.	° F.	° F.	° F.	mm. §			
Greenwich (Royal Obs.) ...	90	91	0.0	46	41	40	2.6	0	or	or
City (Rushill Row) ...	*	*	0.0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	82	89	0.0	48	43	41	3.7	r	or	mr
Camden Sq. (Brit. Rainfall)	87	95	0.0	47	40	40	3.5	f	0. or	*
Hampstead (Reservoir) ...	*	94	0.0	45	38	34	3.4	conf	or	or
Richmond Park	*	*	0.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Total.		Average Rate.		Max. Rate.		
S. Kensington (Roof of M.O.)	80	88	0.0	66 Joules		2.3 Milliwatts.		5 Milliwatts.		

Additional Observations for Yesterday.

STATIONS.	Rain- fall.	TEMPERATURE.		WEATHER.		Sun- shine for Yester- day.
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
		Max.	Min.		After- noon.	
Dublin to 4 p.m.		° F.	° F.	F.		Hr.
Darwen to 9 p.m.	1	43	36	31	c. or. h.	0.0
Manchester "	-	45	37	*	cf	0.0
Birmingham "	-	44	43	33	*	0.0
Oxford to 8 p.m.	*				of	0.0
Teignmouth to 9 p.m.	-	46	41	38	c. om	0.0
Plymouth "					c	0.0
S. Kensington (Museum Grounds to 6 p.m.)	0.2	48	45	36	b. om	0.0

NOTES ON YESTERDAY'S WEATHER.

At many of our northern and central stations the thermometer failed to reach 45°, but on the Sussex coast it touched 50°. Heavy rain has fallen in the east and south-east of England, more than 30 mm. in several places, and as much as 45 mm. at Jersey. Lightning was seen last night at Scilly.

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. No. 345.

Friday,

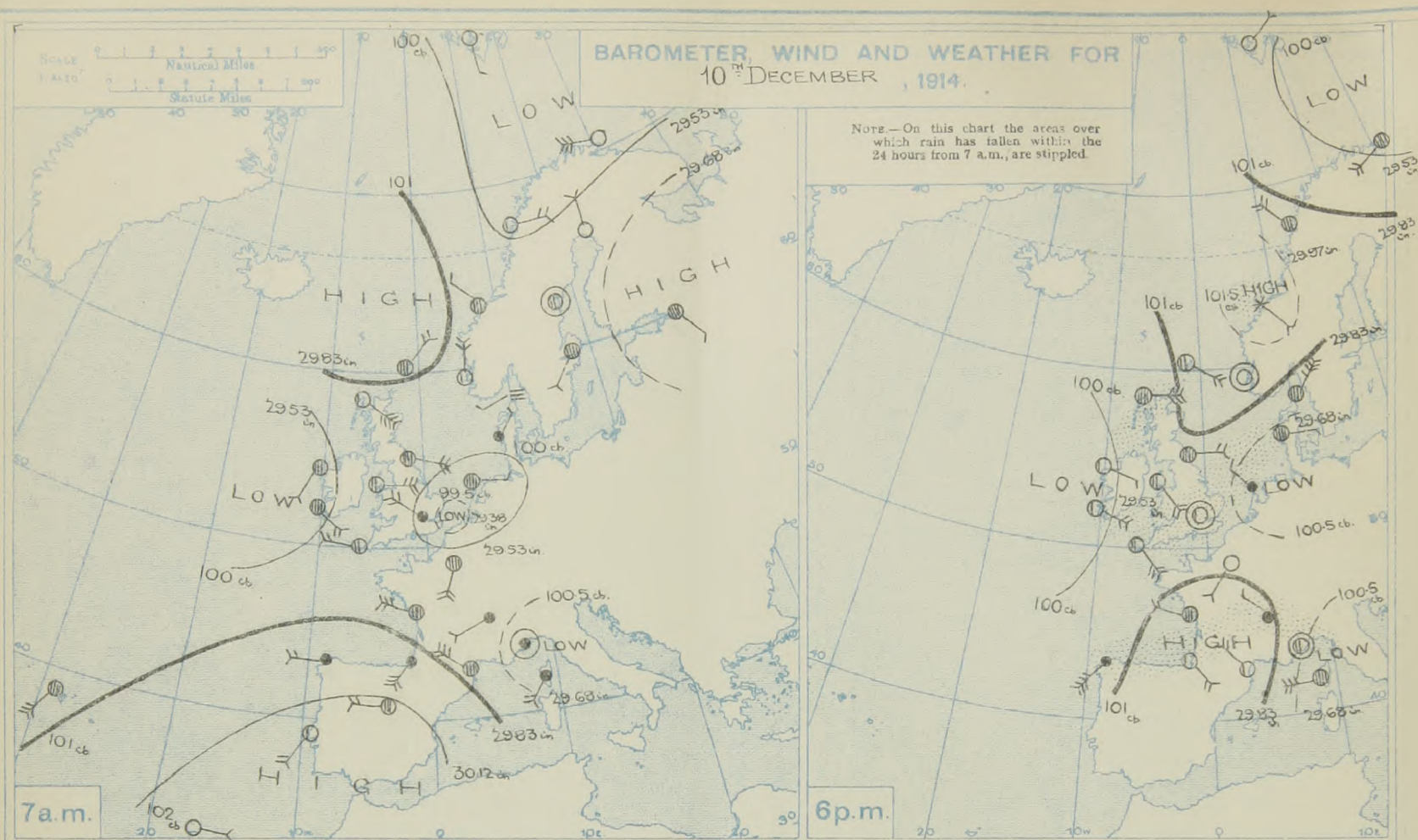
11th December 1914.

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. Milli- bars at M.S.L.	Change in 24 hours.	Dry Bulb. ° F.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 6-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1013.6	38	ESE	4	bc	1014.6	0	40	+4	SE	4	-	b	3	-	40	35	c	bc	bc	
	Deerness	1011.8	38	ESE	4	o	1010.5	*	40	+4	ESE	5	SE	bcq	5	Trace	41	33	chpq	c.o	o.c.bc	0.0
	Stornoway	1006.6	41	E	6	og	1004.8	-2	39	+3	ESE	6	-	bc	5	-	41	36	b.og	og	o.bc.bq	0.0
	Castlebay (Barra Isd.)	44	SE	6	o	1001.2	-3	41	-2	E	7	E	bc	6	0.4	44	40	op.o	op.o	o.bc	0.0	
	Glasgow	1008.9	37	E	3	c	1005.9	-3	34	-1	ENE	3	E	b	*	-	38	31	bc.c.o	o	c.bc.b	0.0
	Eskdalemuir	1003.7	35	NE	2	o	1006.9	-1	33	-3	NNE	2	-	bc	*	-	38	31	bc.c	c.o	o.c	0.0
	Malin Head	1003.3	39	S	2	bcn	996.2	-4	40	-2	ESE	7	SE	cmq	6	4	43	38	bcn	bcn	cm	1.9
	Markree Castle	1001.7	41	SE	2	o	991.5	*	42	+4	ESE	7	-	o	*	-	*	*	mq	c.o	l.b.o	2.5
	Blacksod Point	998.9	41	ESE	3	bm	985.8	-6	43	+3	ESE	5	SE	o	5	-	43	40	bcv	bcn	bcn.bc	*
	Valencia	996.9	46	ESE	4	b	978.9	-9	48	+5	E	8	-	r	6	8	49	42	bv	bv	cmr	4.6
	Roche's Point	1000.9	47	SE	3	bc	985.2	*	47	+8	SE	8	-	r	6	12	49	37	bc.c	bc.	bc.b.or	*
	Birr Castle	1001.5	34	SE	1	b	989.0	*	44	+10	E	6	-	o	*	-	44	34	c	b	c.o	3.7
	Donaghadee	1004.0	45	SE	5	opq	999.6	-4	42	-1	SE	6	SE	cm	5	1	46	41	cmp	opq	ogm.qp.	*
	Liverpool (Bidston)	1007.7	40	E	2	o	1001.9	-4	37	-1	E	5	-	b	4	-	42	36	cm	cm	bcx	0.0
	Holyhead	1005.1	43	SE	4	bcn	998.0	-5	41	-1	E	6	-	cm	5	-	46	38	o.c.bc	bc.c.bc	b.bc.cw	1.3
	Pembroke (St Ann's)	1004.6	48	SE	3	c	991.8	-7	45	+3	ESE	6	-	cmq	4	0.3	48	41	or	c	c	3.3
	Scilly (St. Mary's)	1001.7	49	SSE	5	bc	984.9	-9	47	+2	SE	8	SE	cmr	7	5	51	45	bcp	cp	bc. cmr	4.9
	Falmouth	1004.7	47	S	1	b	989.8	-8	46	+3	SE	6	-	r	6	7	52	41	b	bc	bc	5.3
	Jersey (St. Aubin)	1007.8	41	WNW	2	bm	996.4	*	45	0	ESE	6	SE	og	5	1	52	39	cp.c	bc.bm	b.op.og	2.1
	Portland Bill	1007.1	47	E	1	b	997.5	-6	48	+4	SE	6	SE	cu	5	3	49	41	c	c.bc	b.bc.cp	*
	Dungeness	1006.5	45	N	2	b	1004.7	-3	45	0	SE	4	-	o	4	-	45	45	or.c	c.bc	bc.c.o	*
	Dover	1008.3	42	WNW	3	b	1005.8	-1	44	-1	SE	4	SE	bc	3	3	45	38	opd	di.c.bc	bc.bc	0.0
Wick	1011.2	40	SE	4	bc	1009.9	-1	42	+5	SE	4	-	c	5	1	42	35	cp	cp.bc	c	*	
Nairn	1010.0	35	ESE	2	cg	1008.3	*	36	+1	E	1	-	cu	1	Trace	36	31	mg.o	cg	bc.c	0.0	
Aberdeen	1011.4	40	E	5	o	1010.5	0	40	+2	SE	6	-	o	4	-	41	36	c.o	c.o	c.o	0.3	
Leith	1010.4	40	ESE	1	o	1006.9	-1	39	-1	SE	3	SE	c	*	Trace	43	35	o.c	c.o	o.c	*	
Tynemouth	1008.7	42	E	3	og	1007.7	-2	44	-1	SE	4	E	bc	5	-	48	40	cg	cg	bc	*	
Spurn Head	1007.0	41	NNE	3	bc	1006.7	-1	43	-1	ENE	5	-	bcp	5	0.4	45	38	bc	bc	bc	0.0	
Yarmouth	1005.6	45	N	3	b	1006.5	-1	38	-5	E	1	E	or	1	10	45	32	or	or.b	b.or	0.0	
Clacton-on Sea	1005.3	43	NW	2	cg	1005.5	-2	42	-2	NE	2	S	bc	2	1	44	35	og.d	og.c	og.bx	0.0	
Nottingham	1008.2	43	NE	2	o	1005.1	*	31	-9	E	2	E	b	*	Trace	44	30	o.cpm	bm.o	b.bc	0.0	
Bath	1008.1	35	ENE	1	m	999.6	-7	42	+2	E	4	E	o	*	0.1	44	30	om.b.bc	bc.bm	bm.opq	2.6	
London (New Obs.)	1007.9	42	-	0	bm	1004.3	-6	38	-5	ESE	3	-	og	*	2	45	32	or. om	cm.bm	bm.opq	0.0	
ICELAND, FAEROE, &c.	Spitsbergen	1003.9	-9	NE	2	b	1010.3	*	-9	+15	-	0	*	b	*	*	-9	-24	GALES.			
	Isafjord...												*	*	*	*	*	*	Duration and Extreme Force in British Islands.			
	Reykjavik												*	*	*	*	*	*	Valencia			
	Vestmanna												*	*	*	*	*	*	11th 2am-7am. E. 8			
	Seydisfjord												*	*	*	*	*	*	Roche's Point			
NORTHERN EUROPE.	Thorshavn												*	*	*	*	*	*	10th 11pm-11th 7am. SE. 8			
	Vardö	999.8	25	WSW	4	o	1004.9	+3	23	+5	WNW	6	-	o	3	*	25	16	Scilly			
	Bodö	1012.0	30	WNW	4	c	1017.5	+5	30	+3	NW	4	-	bc	3	?	34	27	10th 10am-11th 7am. SE. 8			
	Christiansund	1017.3	32	SE	2	s	1021.7	+3	30	-2	SE	1	-	b	4	4	32	30	gust 27mps (q) at 4am 11th			
	Skudesnaes	1013.3	32	-	0	b	1017.7	+1	32	0	E	4	-	b	2	-	32	30				
	Færder (X'ania Fjord)	1012.6	32	NNE	6	bc	1019.3	+4	30	-4	NNE	6	-	b	2	-	36	30				
	The Scaw (Skagen)	1008.2	37	NE	7	o	1015.0	+5	32	-7	ENE	6	-	c	5	-	41	32				
	Blaavands Huk	1004.2	41	ENE	1	o	1008.6	+1	37	-4	NE	4	-	o	4	9	41	34				
	Haparanda													*	*	*	*	*				
	Hernösand													*	*	*	*	*				
FRANCE, &c.	Stockholm												*	*	*	*	*	*				
	Wisby												*	*	*	*	*	*				
	Karlstad												*	*	*	*	*	*				
	Petrograd (5 a.m. G.M.T.)												*	*	*	*	*	*				
	The Helder	1001.6	45	WNW	1	r	1009.5	+1	43	-2	NE	1	-	o	1	2	46	41				
	Brussels	*	*	*	*	*							*	*	*	*	*	*				
	C. Gris Nez	1006.7	46	NW	6	o	1005.5	-2	41	-4	SSE	3	*	bc	2	1	46	32				
	La Hève	1009.1	46	NW	3	c	1002.9	*	37	-8	SE	4	*	o	3	-	54	36				
	Ushant												*	*	*	*	*	*				
	Brest (St. Mathieu)	1004.7	49	S	3	o	989.5	0	48	-2	SE	5	*	r	4	6	54	45				
Roche fort (Ned d'Aix)	1011.3	48	WNW	3	c	999.5	-3	47	-3	S	7	*	r	*	24	54	45					
Biarritz	1013.5	50	SE	3	b	1002.9	-2	57	+6	SSW	4	*	o	3	3	57	48					
Paris	1009.6	41	SSW	2	b	1007.0	-3	37	-8	SE	2	-	o	*	-	50	34					
Belfort												*	*	*	*	*	*					
Lyons	1014.3	43	NW	1	r	1011.8	*	35	-7	NNW	1	*	f	*	2	46	32					
Nice	1005.0	47	-	0	bc	1009.3	+1	43	-4	-	0	*	b	2	2	54	41					
Perpignan	1011.4	50	NW	3	b	1010.4	-1	43	-5	-	0	NW	o	*	-	54	37					
Sanguinaire	*	54	W	5	o	*	*	54	+1	W	3	*	c	6	-	61	46					
SOUTHERN EUROPE.	Corunna (7 a.m.)	1007.5	57	SW	7	r	997.2	-7	59	+13	SW	6	-	r	3	31	63	46				
	Madrid (8 a.m.) †	1020.2	45	WSW	2	c	1016.6	0	46	+7	SW	1	-	o	*	-	43	39				
	Lisbon (9 a.m.)												*	*	*	*	*	*				
	Gibraltar												*	*	*	*	*	*				
AZORES &c.	Rome												*	*	*</							

GALES.
Duration and Extreme Force
in British Islands.

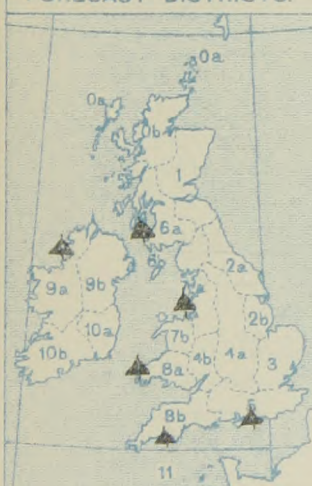
Valencia

11th 2 a.m. - 7 a.m. E. 8



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.

North Cone hoisted to-day

at 8.30 a.m. in Districts 5 to 9.

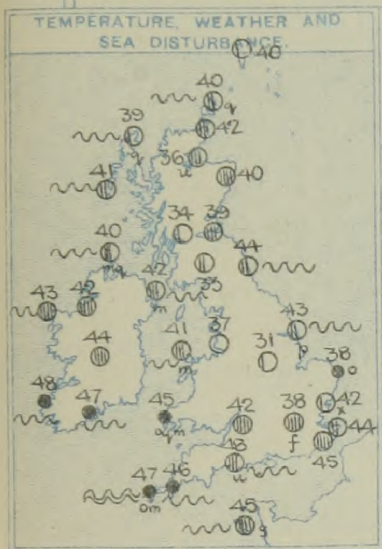
Western Channel and Bay 11

- | | |
|----------------|--|
| 0 {
a
b | Easterly and South-Easterly winds, strong in places; fair generally, but sleet showers locally; remaining cold. |
| 1 {
a
b | Easterly and South-Easterly winds, increasing in force; fair at first, some rain or sleet later; temperature below the normal. |
| 2 {
a
b | Easterly winds, increasing in force; weather becoming dull and rainy; temperature remaining below the normal. |
| 3 {
a
b | Easterly winds, increasing to a gale; weather becoming dull and rainy; temperature remaining below the normal. |
| 4 {
a
b | Easterly winds, increasing to a gale; fair at first, some rain or sleet later; temperature below the normal. |
| 5 {
a
b | South-Easterly to Easterly gales; dull and rainy at first; some improvement later; temperature falling. |
| 6 {
a
b | Easterly and South-Easterly winds, increasing in force; fair at first, some rain or sleet later; temperature below the normal. |
| 7 {
a
b | South-Easterly to Easterly gales, moderating later; dull and rainy at first; some improvement later; temperature falling. |
| 8 {
a
b | Southerly and South-Easterly gales and strong winds and a rough sea; dull, misty and rainy; normal temperature. |
| 9 {
a
b | |
| 10 {
a
b | |
| 11 {
a
b | |

FURTHER OUTLOOK.

GENERAL INFERENCE.

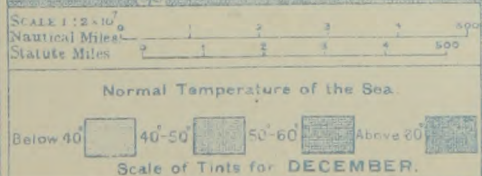
The depression off our south-west coasts will spread eastward, and occasion rough, unsettled weather in most districts.



inches
31

30

29



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 ~~~~~

DAILY WEATHER REPORT.

Friday, December 11th, 1914.

REPORTS
FOR
YESTERDAY.

December 10th 1914.

STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Sea 0-9.	Rain- fall Milli- metres.	TEMP.	
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Dirco. of Upper Cloud.	Weather.	Max.	Min.				
			Dirce.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirce.	Force 0-12.								
Spitzbergen	995.1	-17	-	0	b	999.3	-1	-24	-20	S	1	-	b	4	0	-11	-24		
Vardø	997.1	21	NNE	5	S	998.4	-1	18	-7	WNW	6	-	b	4	0	27	18		
Bodo	997.7	27	E	4	0	999.0	0	27	+4	E	3	-	b	2	0	27	23		
Christiansund	1001.3	34	NW	1	0	1000.0	+3	32	0	NW	1	-	b	2	0	34	28		
Skudesnaes	998.7	34	NNW	2	0	1000.7	+2	32	-14	NN	4	-	b	2	0	46	32		
Faerder	998.4	46	SW	6	0	1003.1	+5	34	-11	NN	6	-	b	2	0	46	34		
Haparanda	1001.1	25	N	2	0	1004.0	0	34	-3	-	0	-	b	2	0	12	5		
Härnösand	998.6	25	NNE	2	0	1003.9	+3	23	0	-	0	-	b	2	0	28	21		
Sockholm	1001.9	41	SSW	2	0	1001.2	0	41	0	SW	2	-	b	2	0	43	37		
Wibby	1006.4	43	SW	4	0	1001.1	-3	43	+1	S	2	-	b	2	0	48	41		
Karlstad	1000.2	43	SW	4	0	1002.3	+5	34	-9	NE	4	-	b	2	0	45	30		
Petrograd	1006.3	41	SW	2	0	1007.7	+2	41	0	S	1	-	b	2	0	43	41		
Lisbon	1017.0	55	W	3	0	1020.2	+1	54	+4	SW	3	-	b	2	0	55	52		
Horra						1008.2	-2	63	+8	SW	5	-	b	2	0	64	63		
Funchal	1023.46	63	N	2	0	1024.0	0	55	-2	E	2	-	b	2	0	66	55		

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.						° F.	° F.			
Scot- land.	Oban	15	43	25	0	0.0	Tunbridge Wells ...	34	45	40	or	om. b	0.0
	Banff	2	37	31	bc	0.0	Margate	4	48	44	or	od	0.0
	St. Andrews				*		Ramsgate	19	45	42	r	r	0.0
Eng. N.E.	Harrogate	1	41	33	0	0.0	Folkestone	9	44	42	or	or. c	0.0
	Scarborough		46	39	0	0.0	Hastings	15	49	41	or. 0	0. b	0.0
	Skegness		45	36	0	0. bc	Bexhill-on-Sea ...	9	51	46	0	om	0.0
Eng. N.W.	Morecambe		44	35	bc	0.0	Eastbourne	20	49	40	or	0. bc	0.0
	Blackpool		43	33	0. c	0.0	Seaford	18	48	39	r	c	0.1
	Southport		41	33	bc. f	0.0	Brighton	29	46	40	0. r. 0	c. bc. b	0.0
Midlands.	Buxton	0.3	40	31	bc. m	0.0	Worthing	26	46	39	0	0	0.0
	Leamington Spa ...		44	35	f. c	0.0	Littlehampton ...	19	47	40	0	bc. b. bc. m	2.0
	Malvern		44	36	bc	3.0	Bognor	26	47	39	0. bc	b	2.8
	Ross-on-Wye				bc		Southsea						
Wales.	Rhyl		44	31	og	0	Bournemouth	25	47	38	cd	c. b	5.3
	Colwyn Bay		44	34	c. bc	2.5	Weymouth	1	47	38	bc	bc. m	1.5
	Llandudno		45	34	c	2.6	Exmouth						
	Aberystwyth		46	35	0. c. b	4.3	Torquay		50	38	c. 0	c. bc. m	3.5
	Tenby	0.3	47	39	bc	3.2	Paignton		51	36	bc	bc	4.2
	Swansea		47	37	bc	1.7	Falmouth	1	52	41	b	bc	5.3
England, E.	Cromer	11	45	40	r	0.0	Penzance	1	52	40	bc	bc	5.7
	Lowestoft	29	48	43	0	0.0	Newquay	2	51	37	b. 0	b. bc. m	5.9
	Felixstowe	38	45	42	cp	0.0	Ilfracombe	0.3	48	39	0. cp. c	bc	3.4
	Walton-on-Naze ...	28	44	42	or	0.0	Weston-super-Mare		46	37	bc. m	b. bc	2.2
	Southend-on-Sea ...	31	45	42	or	0.0							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.		Rain- fall. mm. §	WEATHER.			STATIONS.	Rain- fall. mm. §	TEMPERATURE.		WEATHER.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
	%	%		Max.	Min.							Max.	Min.				
Greenwich (Royal Obs.) ...	58	43	0.0	45	35	17	0.0	0. c	bc	Dublin to 4 p.m.	0.3	41	35	29	om	ogu	0.0
City (Banhill Row) ...	*	*	0.0	*	*	*	r. bc	bc	bc. m	Darwen to 9 p.m.				*	0	0	0.0
Westminster (St. James's Pk.)	77	44	0.0	47	36	32	0.3	0. do	c. bc	Manchester "		42	35	34	*	0	0.0
Camden Sq. (Brit. Rainfall)	87	60	0.0	46	23	28	0.0	0.0	*	Birmingham "		45	36	28	0	0. cm	0.0
Hampstead (Reservoir) ...	*	96	0.0	43	34	24	0.0	c. 0	c	Oxford to 8 p.m.							
Richmond Park ...	*	*	0.0							Teignmouth to 9 p.m.							
Kew. (See front page.)										Plymouth "							
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										S. Kensington	39	46	41	36	or. r	or. c	bc. m
S. Kensington (Roof of M.O.)	85	88	0.0	144 Joules	5.0 Milli-watts.	13 Milli-watts.				(Museum Grounds to 6 p.m.)							

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

11th & 12th Dec. 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.56	11.46	3.37
Greenwich	7.57	11.47	3.36
Wick	7.58	11.54	3.49
Valencia	8.54	12.6	3.16
	8.55	12.6	3.16
	8.41	12.34	4.27
	8.42	12.35	4.27

NOTES ON YESTERDAY'S WEATHER.

Over a considerable portion of Great Britain the thermometer failed to reach 45°, but on our extreme south-west coasts it exceeded 50°. Showers fell in many districts, and lightning was seen at night at Markree Castle.

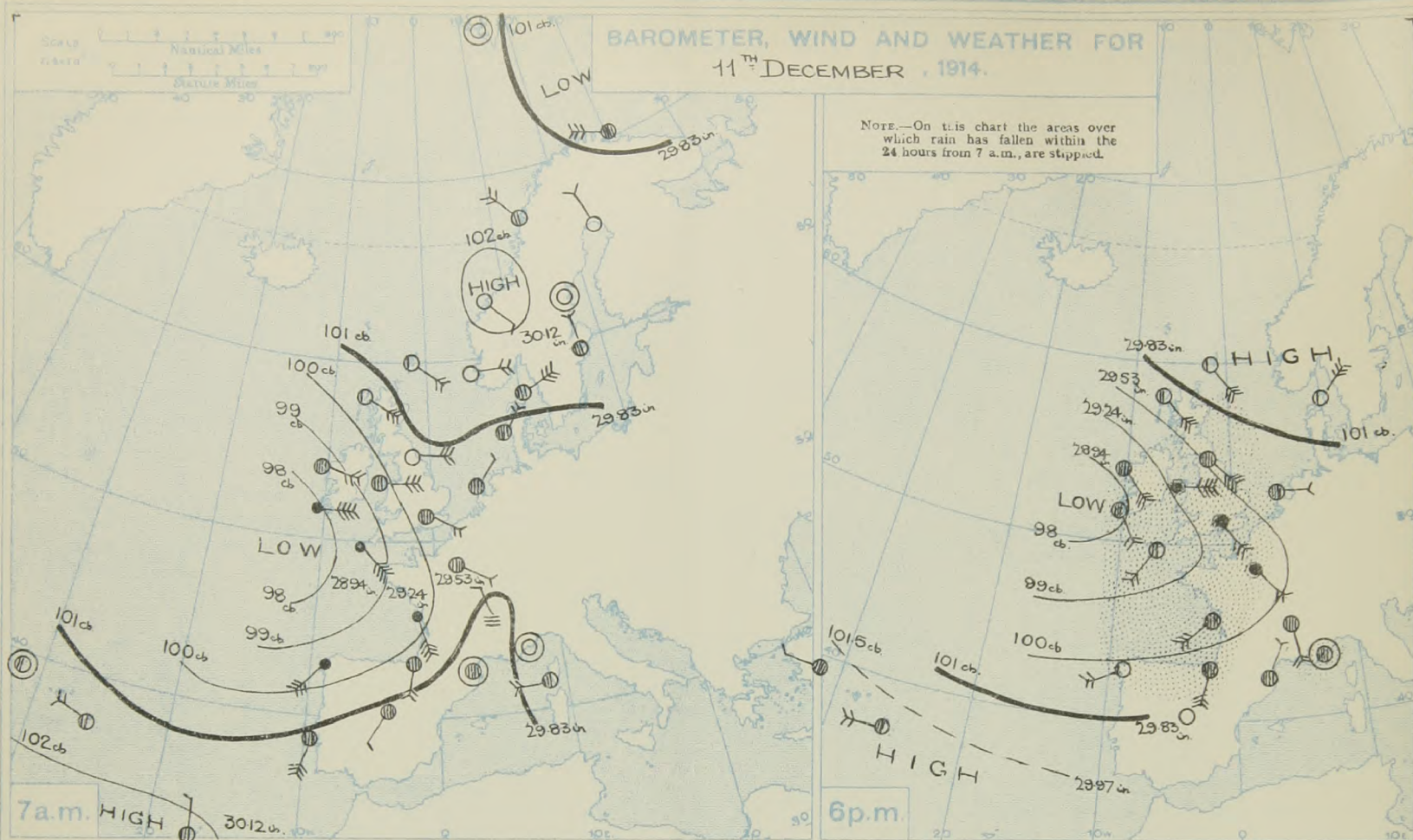
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; n. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; 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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1999

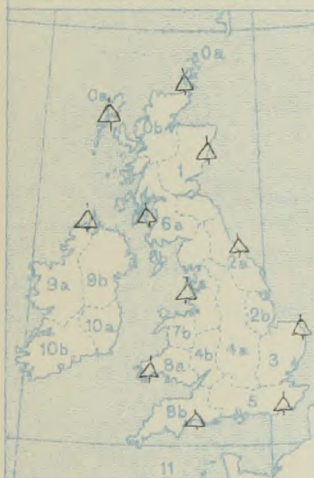
1999

‡ The barometric change is expressed in half-millibars.



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.

North Cone hoisted yesterday at 8.30 a.m. in Districts 5 to 9; & at Noon in Districts 0 to 3.

Western Channel and Bay 11

FURTHER OUTLOOK.

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

W. N. SHAW, Director

Easterly and South-Easterly winds, strong, a gale in places; cloudy, squally, occasional rain; temperature below the normal.

Southerly and South-Easterly winds, light to fresh; changeable, some showers, mist or fog locally; normal temperature.

Easterly winds, fresh or strong; cloudy, squally, occasional rain; temperature below the normal.

Southerly and South-Easterly winds, moderate to fresh; changeable, some showers, mist or fog locally; normal temperature.

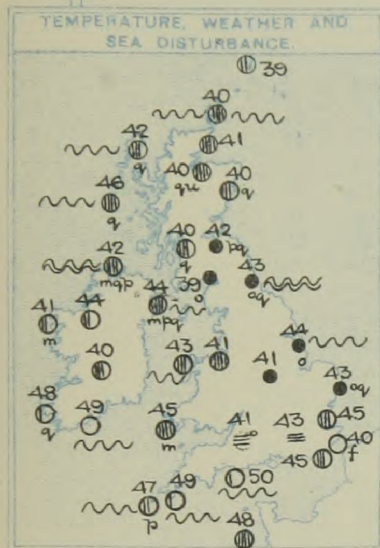
Easterly and South-Easterly winds, strong, a gale in places; cloudy, squally, occasional rain; temperature below the normal.

Easterly winds, moderate or fresh; mostly fair, but some local showers; normal temperature.

Fresh or strong Southerly winds, and a rough sea; cloudy, misty, occasional rain; normal temperature.

GENERAL INFERENCE.

The depression off the south-west of Ireland will probably move slowly in a southerly or south-easterly direction. Changeable weather will continue to prevail for the present.

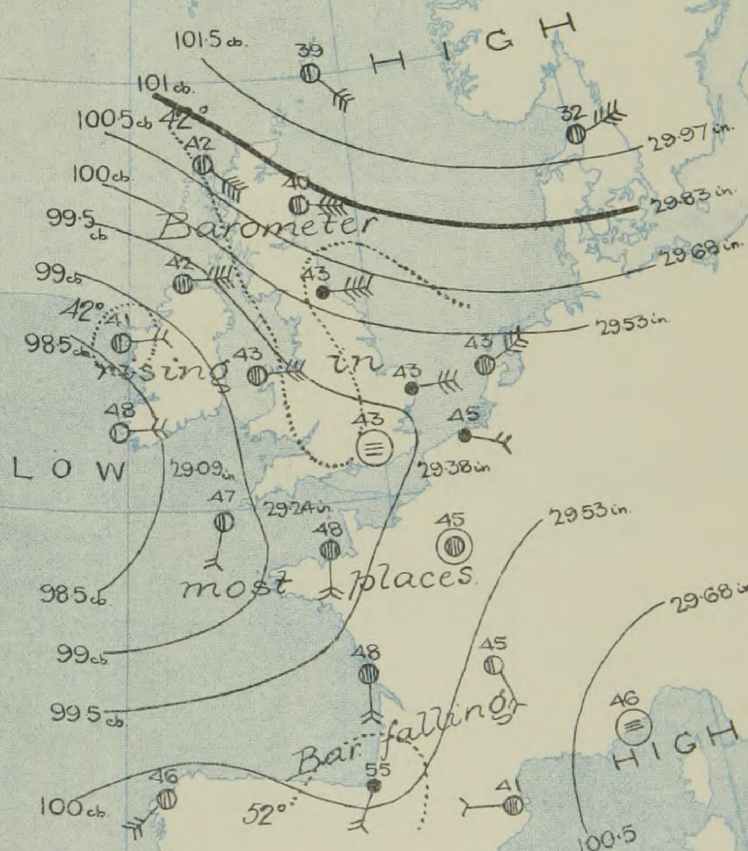
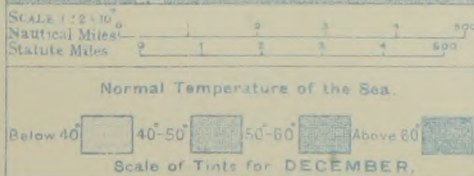


Inches

31

30

29



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 ~~~.

DAILY WEATHER REPORT.

Saturday, December 12th 1914.

REPORTS
FOR
YESTERDAY.

December 11th, 1914.

STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.	
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Max.	Min.						
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.									
Haparanda	1008.0	7	N	2	b	1014.7	+2	1	-8	NNW	2	-	b	-	-	10	0			
Hernösand	1010.3	-14	-	0	b	1019.0	+5	14	-9	-	0	-	b	-	-	23	14			
Srockholm	1009.1	3	N	4	o	1016.6	+4	23	-18	N	2	-	c	-	-	41	23			
Wisby	1005.0	41	NE	4	r	1012.8	+5	36	-17	NE	4	-	o	-	6	43	34			
Karlstad	1012.0	28	ENE	4	bc	1019.5	+4	21	-13	NNE	2	-	o	-	-	59	55			
Lisbon	1019.0	57	SSW	4	c	1012.7	-4	59	+5	SSW	5	-	o	6	-	64	54			
Horta	1011.5	54	WNW	5	c	1015.3	+1	55		r	0	-	o	3	3	66	59			
Funchal	1020.7	61	WNW	1	bc	1021.6	0	63		N	1	-	c	1	-					

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.		
	mm. §	° F.	° F.			Hr.		mm. §	° F.	° F.			Hr.	
Scot. land.	Oban	0.3	45	38	b. bc	cd. 0	0.2	Tunbridge Wells ...	6	44	30	om	or	0.0
	Banff	-	41	35	o	o	0.0	Margate	2	46	43	c	or	0.0
	St. Andrews ...	1	43	37	*	*	0.0	Ramsgate	1	45	38	r	r	0.0
Eng. N.E.	Harrogate ...	2	41	30	c. bc	0.0	0.0	Folkestone	5	46	40	bc. o	or	1.1
	Scarborough ...	*	45	40	o	0	1.0	Hastings	5	46	39	bc. o	or	0.0
	Skegness	-	44	33	o	0	0.2	Bexhill-on-Sea ...	4	49	39	c. o	or	0.0
Eng. N.W.	Morecambe ...	-	45	36	bc. o	0	0.1	Eastbourne	9	50	36	og	or	0.0
	Blackpool	1	43	33	c. o	or	0.0	Seaford	20	46	36	r	r	0.0
	Southport	-	43	33	c. o	or	0.0	Brighton	10	47	36	o	or	0.0
Midlands.	Buxton	1	39	31	c	0	0.0	Worthing	12	47	34	or	r	0.0
	Leamington Spa ...	5	42	32	o	or	0.0	Littlehampton ...	14	47	35	o	om	0.0
	Malvern	7	40	35	o	or	0.0	Bognor	8	47	36	or	r	0.0
	Ross-on-Wye	14	42	31	c	or	0.0	Southsea	11	48	36	oor	or	0.0
Wales.	Rhyl	3	43	32	og	or	0.0	Bournemouth	13	48	36	r	r	0.0
	Colwyn Bay	2	42	36	bc	p	0.0	Weymouth... ..	12	51	38	or	r. bc	0.0
	Llandudno	1	43	37	c	cp	0.0	Exmouth	21	51	39	or	r. o. bc	1.0
	Aberystwyth	-	44	38	o. c. o	0. or	0.0	Torquay	22	52	35	r	bc	0.7
	Tenby	9	46	40	r	r	0.0	Paignton	8	53	46	rac	bc	0.8
	Swansea	12	46	41	r	r	0.0	Falmouth	23	54	47	ro	bc	1.3
England, E.	Cromer	-	46	39	bc	o. c	2.1	Penzance	12	52	40	or	o. bc. b	0.5
	Lowestoft	-	46	34	bc. c	c. o	0.4	Newquay	13	48	43	or	or. c	0.0
	Felixstowe	1	46	33	bc	or	1.0	Ilfracombe	13	48	43	or	or. c	0.0
	Walton-on-Naze ...	1	46	36	bc. c	c. or	0.9	Weston-super-Mare ...	?	46	34			
	Southend-on-Sea ...	3	44	37	c. o	or	0.0							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	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.										
Greenwich (Royal Obsy.) ...	%	%	Hr.	° F.	° F.	° F.	mm. †			
City (Bunhill Row) ...	86	100	0.0	43	40	36	11	o	or	or
Westminster (St. James's Pk.)	*	*	0.0	*	*	*	*	*	*	*
Camden Sq. (Brit. Rainfall)	84	94	0.0	46	39	37	7	r	r	om. f
Hampstead (Reservoir) ...	88	100	0.0	44	39	39	9	bc. o	o. or	*
Richmond Park ...	*	93	0.0	42	37	31	8	c. or	or	f. or
Kew. (See front page.)	*	*	0.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Total.		Average Rate.		Max. Rate.		
S. Kensington (Roof of M.O.)	80	93	0.0	90 joules		3.2 Milliwatts.		10. Milliwatts.		

Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.		Sun- shine for Yester- day.
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
		Max.	Min.			
Dublin to 4 p.m.	14	46	42	42	c. or	3.9
Darwen to 9 p.m.	1	41	33	27	c. u.	0.0
Manchester "						
Birmingham "	11	40	33	29	*	0.0
Oxford to 8 p.m.						
Teignmouth to 9 p.m.	22	53	45	34	bc. or	0.7
Plymouth						
S. Kensington (Museum Grounds to 6 p.m.)	4	46	39	32	3.6 m	0.0

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

12th & 13th Dec. 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.57	11.47	3.36
Greenwich ...	7.58	11.54	3.49
Wick ...	8.55	12.6	3.16
Valencia ...	8.42	12.35	4.27

NOTES ON YESTERDAY'S WEATHER.

At a number of the northern and eastern stations the thermometer failed to exceed 45°. Heavy rain fell in many districts and a fresh to strong gale from the Eastward or South-Eastward was experienced on nearly all parts of our coasts.

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.

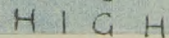
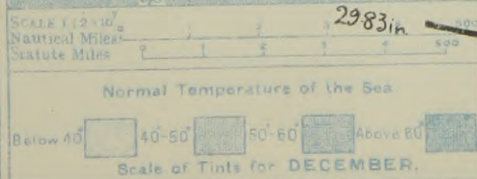
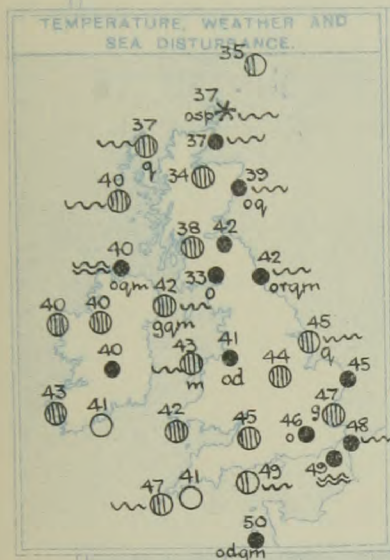
The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										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.		WIND.	Force 0-12.	Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Dirac.	Force 0-12.				Dry Bulb.	Change in 24 hours.							Max.	Min.	Morning.	Afternoon.	Night.		
																						Hours.	
BRITISH ISLANDS.	Lerwick	1017.6	36	SE	5	c	1018.6	-5	35	-4	SE	5	-	bc	4	1	39	28	bc	bc	c.besp	*	
	Deerness	1012.5	35	E	6	bc	1002.4	*	37	-3	E	5	-	ops	6	9	37	30	c.e	c.b	bc.ops	0.0	
	Stornoway	1008.7	37	E	7	ca	997.3	-8	37	-5	E	8	-	ca	6	-	43	35	ca	ca	bc.ca	0.5	
	Castlebay (Barra Isd.)	1002.3	40	E	5	b	994.2	-6	40	-6	NNE	9	-	ca	5	-	46	36	c.bca	bcq.b	bc.ca	3.2	
	Glasgow	1001.1	35	ENE	5	orsq	990.0	-5	38	-2	ENE	4	-	o	6	6	40	32	c.adpq	orspq	orsq.o	0.0	
	Esksdalemuir	999.5	33	NE	6	os	988.4	-6	33	-6	NE	5	-	or	8	8	39	33	or	or.c	crf.or	0.0	
	Malin Head	995.1	41	E	9	cmcdq	986.2	-4	40	-2	E	9	-	ormq	9	2	43	36	cmpq	cmpq	ormq	0.0	
	Markree Castle	992.5	42	ENE	4	o	985.1	*	40	-4	ENE	3	-	o	8	-	*	*	c.o	c.o	o	0.3	
	Blacksod Point	993.6	42	ESE	4	c	986.6	-5	40	-1	ESE	4	SE	o	4	2	45	37	bcn	bcn	bcn.bc	*	
	Valencia	984.2	46	NE	4	ca	981.4	-3	43	-5	N	2	-	o	4	1	50	41	bcq	bcq	ca	0.6	
	Roche's Point	986.3	47	E	4	bc	980.7	*	41	-8	NE	1	-	b	4	2	51	41	bc.c	cp.bc	or.b	*	
	Birr Castle	989.6	43	E	2	c	981.5	*	40	0	NE	2	-	r	5	5	47	39	c	c	o.or	2.6	
	Donaghadee	994.2	41	E	8	opmq	985.0	-4	42	-2	ESE	6	-	ogmq	5	0.3	45	39	omr	ompg	ompgq	*	
	Liverpool (Bidston)	992.7	41	E	4	o	981.6	-4	41	0	ENE	4	-	od	3	1	43	40	ome	o	op	0.0	
	Holyhead	991.2	44	E	7	bmqr	980.9	-5	43	0	E	6	-	om	6	2	45	41	c.bcdm	bc.bdm	b.bcp.o	4.0	
	Pembroke (St. Ann's)	985.9	44	E	4	c	978.2	-4	42	-3	NE	3	-	o	3	1	46	41	om	epm	em	0.0	
	Scilly (St. Mary's)	980.9	48	SE	6	or	976.9	-1	47	0	WNW	3	-	c	5	6	50	45	bc	cp.or	cpn.bc	3.6	
	Falmouth	983.6	49	SE	4	o	976.9	0	41	-5	NE	1	-	o	3	1	49	41	c.c	bc	op.b	0.6	
	Jersey (St. Aubin)	989.6	48	S	4	c	980.4	*	50	+2	SW	5	-	ogdm	4	20	50	46	c.c.p.o	c.bc	or.bq.r	0.5	
	Portland Bill	988.4	49	SSE	3	c	976.6	-5	49	-1	S	4	-	bc	5	8	51	45	bc.c.op	c.cp	c.or	*	
Dungeness	993.2	48	S	3	bc	982.6	-5	49	+4	SW	8	SW	cpq	7	6	52	48	bcp	bc	op.opq	*		
Dover	993.5	46	SW	3	b	983.7	-5	48	+8	S	6	S	or	6	7	48	37	af.bc	p.bc	b.bc.or	1.4		
Wick	1011.1	37	SE	6	c	999.9	-5	37	-4	E	6	-	r	6	8	43	33	ompg	c.csq	s.omrq	*		
Nairn	1008.0	32	E	4	bc	996.7	*	34	-6	E	2	-	ca	2	1	40	30	ps.c	ps.c	ps.e	1.0		
Aberdeen	1007.8	34	E	7	ca	995.9	-4	39	-1	E	7	-	orq	6	9	40	34	c.shpq	cshpq	ashrq	0.0		
Leith	1002.5	38	ENE	4	r	990.2	-3	42	0	ENE	3	-	r	8	11	43	37	orq	orq	orq	*		
Tynemouth	998.5	41	ENE	7	orq	988.2	-5	42	-1	ESE	6	-	ogrm	6	13	44	40	orq	orq	ormq	*		
Spurn Head	995.0	44	E	6	bc	998.6	-4	45	+1	ESE	6	-	ca	6	9	45	41	ca	bcq	orq	0.0		
Yarmouth	994.6	43	E	4	c	986.2	-8	45	+2	SE	6	-	r	4	3	46	40	om	om.c	cr	0.0		
Clacton on Sea	994.0	45	NNE	2	o	983.3	-8	47	+2	SE	6	-	ca	5	4	47	43	em	em.o	agrq	0.6		
Nottingham	993.8	41	E	4	c	981.6	*	44	+3	ESE	4	-	o	6	6	44	39	r.o.c	c.o	c.o	0.0		
Bath	993.5	45	E	3	r	978.6	*	45	+4	E	1	-	o	4	4	46	39	m.o	om.r	p.bcp.o	0.0		
London (Kew Obs.)	992.1	45	E	3	ogrm	980.4	-3	46	+3	SSE	3	-	or	8	9	47	43	f.m	m.bmgm	ongrm.or	0.0		
ISLAND, FAEROE, &c.	Spitsbergen												*	*	*	*	*	GALES.					
	Isafjord												*	*	*	*	*	Duration and Exposed Force					
	Reykjavik												*	*	*	*	*	in British Islands.					
	Vestmanna												*	*	*	*	*	Stornoway.					
	Seydisfjord												*	*	*	*	*	12th Jan-1pm SE 8, then E 8 in squalls					
	Thorshavn												*	*	*	*	*	13th Jan E 8, squalls force 9 in morning					
NORTHERN EUROPE.	Vardö	1012.2	30	WSW	7	o	1015.7	+1	34	+11	SW	6	-	o	5	*	34	10					
	Bodö	1031.3	19	E	2	b	1026.7	-4	21	+2	E	4	-	b	2	-	21	16					
	Christiansund	1025.7	27	SE	3	b	1017.2	-6	27	0	SE	3	-	b	4	-	27	27					
	Skudesnaes	1016.8	27	E	7	b	1007.5	-3	32	+5	E	6	-	c	3	-	32	27					
	Færder (X'tania Fjord)	1019.4	28	SSE	7	c	1012.4	-3	30	+5	NNE	7	-	o	3	-	30	25					
	The Scaw (Skagen)																						
	Blaavands Huk	1005.5	32	ENE	7	r	1001.5	-2	34	+7	E	4	-	s	3	1	34	30					
	Haparanda	1034.6	0	-	0	b	1032.4	-1	7	+4	S	2	-	f	*	-	7	-2					
	Hernösand	1031.9	13	NW	4	b	1025.9	-4	21	+7	NW	6	-	bc	*	-	25	14					
	Stockholm	1019.3	28	ENE	6	o	1012.2	-3	30	+3	ENE	6	-	s	1	1	30	27					
Wisby	1013.2	32	NE	6	o	1005.7	-5	34	+2	ENE	4	-	s	4	4	34	30						
Karlstad	1020.8	27	NE	4	c	1012.8	-5	28	+5	NE	6	-	o	*	-	28	23						
Petrograd (G.M.T.)																							
FRANCE, &c.	The Helder	996.7	39	E	4	o	992.7	-2	39	-4	ESE	4	-	o	3	1	43	39					
	Brussels	*	*	*	*	*	984.6	-3	46	+1	SSW	6	*	r	4	3	48	41					
	C. Gris Nez	993.2	43	SSE	4	c	984.0	*	48	+3	S	6	*	c	4	1	52	45					
	La Hève	994.0	43	SE	4	bc	984.0	*	48	+3	S	6	*	c	4	1	52	45					
	Ushant						980.8	+1	51	+6	SW	6	*	r	6	8	55	46					
	Brest (St. Mathieu)	984.4	50	SW	4	r	993.3	-3	?	?	SW	8	*	b	15	55	46						
	Roche fort (Ile d'Aix)	996.8	52	WSW	7	r	997.7	+3	53	-2	S	3	*	o	7	6	55	48					
	Biarritz	1001.9	50	S	3	bc	992.0	0	46	+1	SSW	4	-	o	4	52	43						
	Paris	995.1	46	SSW	3	r	1002.1	*	39		WNW	2	*	c	7	45	36						
	Belfort	999.7	41	ENE	3	o	1003.8	*	37		E	1	*	o	*	54	35						
Lyons	999.1	48	W	5	r	1003.5	+1	43	-3	-	0	*	b	4	1	?	44						
Nice	1001.5	48	-	0	bc	1003.4	-3	34	-7	SW	1	-	bc	*	-	54	34						
Perpignan	1003.0	46	NW	2	o	*	*	*	*	*	*	*	*	*	*	*	*						
Sanguinaire	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*						
SOUTHERN EUROPE.	Corunna (7 a.m.)	1002.7	50	SW	5	r	985.9	0	59	-13	SW	7	-	r	6	1	59	48					
	Madrid (8 a.m.)	1008.7	45	W	3	b	1005.1	-5	43		S	2	-	r	4	59	39						
	Lisbon (9 a.m.)	1011.3	55	SW	3	c	1000.2	-5	61	+6	SSW	7	-	r	7	7	61	57					
	Gibraltar						1005.2	0	54	+6	SE	1	-	o	*	24	57	54					
	Rome	1006.3	61	SE	2	o	*	*	*	*	*	*	*	*	*	*	*	*					
Azores (Horta																							

* Information for these columns not usually received.

† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.



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

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

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

DAILY WEATHER REPORT.

Sunday, 13th December, 1914.

REPORTS

FOR
YESTERDAY.

12th December 1914.

STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.													
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.			
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours.	Dirac.	Force 0-12.					Max. °F.	Min. °F.		
Faerder	1022.7	30	NE	6	b	1022.9	+1	25	-5	NE	6	-	b	2	-	30	25		
Blaavands Huk	1011.1	34	E	5	b	1009.2	+1	34	-3	ENE	5	-	b	5	2	41	30		
Haparanda	1024.6	19	NE	2	b	1032.7	+8	3	+2	N	2	-	b	2	-	7	0		
Hernösand	1025.6	19	-	0	b	1030.7	+1	14	0	NW	2	NW	bc	-	-	15	12		
Stockholm	1019.0	27	NNE	2	o	1019.0	0	27	+4	NNE	6	-	o	-	-	28	23		
Wisby	1015.1	36	NE	4	o	1013.9	0	32	-4	NE	6	-	o	-	-	36	26		
Karlskrona	1022.9	23	NNE	2	b	1022.7	?	23	-2	NNE	4	-	b	2	-	30	27		
Petrograd	1016.8	28	NE	2	o	1017.2	0	27	-	ENE	3	-	o	-	-	30	27		
Ushant	991.4	55	SW	5	b	991.3	+	55	-	S	1	-	o	5	2	55	43		
Lisbon	1010.7	57	SW	4	c	1011.0	+1	55	-4	WSW	5	-	c	3	1	59	55		
Rome	1013.5	50	NW	1	o	1011.7	0	48	-	NE	1	-	o	3	Trace	57	45		
Horta	1016.7	4	W	3	o	1009.9	-1	63	+8	WSW	4	-	r	3	12	63	55		
Funchal.	1019.8	64	N	2	r	1019.7	0	61	-2	NW	2	-	b	2	3	68	59		

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.†	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm.†	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		°F.	°F.						°F.	°F.			
Scot- land.							Tunbridge Wells ...	4	47	40	om.c.o	m.or	0.4
Banff ...	1	39	32	csp	csp	0.8	Margate ...	4	48	42	f.o	bc	0.8
St. Andrews ...				*	*		Ramsgate ...	8	48	40	m	m	1.8
Eng. N.E.							Folkestone ...	3	51	41	o.c	c.bc.b.o	2.7
Harrogate ...	16	39	28	or	or	0.0	Hastings ...	4	50	42	or.bc.o	op.bc	2.1
Scarborough ...	*						Bexhill-on-Sea ...	5	49	42	bc	bc.or	2.6
Skegness ...	8	43	42	d	d	0.0	Eastbourne ...	5	53	42	afe	oe	0.0
Eng. N.W.							Seaford ...	6	52	42	or	c	1.0
Morecambe ...	-	46	43	o	o	0.0	Brighton ...	9	50	44	bc.m.c.o	op	2.3
Blackpool ...							Worthing ...	9	48	41	bc	r.o	1.9
Southport ...	6	43	40	o.c	o.c.o	0.0	Littlehampton ...	6	48	39	bc.b.o	or.o	1.9
Midlands.							Bognor ...	7	49	40	b.bc	or	1.8
Buxton ...	14	39	36	cr	cr	0.0	Southsea ...						
Leamington Spa ...	8	42	36	or	or	0.0	Bournemouth ...	15	47	35	r	r	0.0
Malvern ...	8	48	38	om	om	0.0							
Ross-on-Wye ...	2	43	39	om.e	om.ogr	0.0							
Wales.							Weymouth ...	2	48	40	cp	p.or	0.0
Rhyl ...	3	48	36	og	og	0.0	Exmouth ...						
Colwyn Bay ...							Torquay ...	3	49	40	o	cp.o	0.1
Llandudno ...	3	47	39	a.	op.c	0.0	Paignton ...	10	49	36	bc.or	or.c	0.1
Aberystwyth ...	1	45	40	r.o.c	c.o	1.0	Falmouth ...	1	49	41	o.c	bc	0.6
Tenby ...	6	46	42	bc.o	bc.or	0.0	Penzance ...	-	50	47	o.bc	bc	1.6
Swansea ...							Newquay ...	1	48	39	op.cm	bc	1.0
England, E.							Ilfracombe ...	2	47	42	o	op.c	0.0
Cromer ...	12	43	42	o.cr	o.cr	0.0	Weston-super-Mare ...						
Lowestoft ...													
Felixstowe ...	7	47	43	c	bc.c	1.3							
Walton-on-Naze ...	2	48	42	bc	bc.o	2.5							
Southend-on-Sea ...	4	47	41	r.o.bc	c.bc.or	0.6							

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.	
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.		Night Min. on Grass	Night.	Fore- noon.	After- noon.		
				Max.	Min.								Max.	Min.						
24 HOURS ENDED 9 A.M. TO-DAY.																				
	%	%	Hr.	° F.	° F.	° F.	mm. §					mm §	° F.	° F.	F.				Hr.	
Greenwich (Royal Obs.) ...	94	97	0.3	47	43	37	11	o	o	o.or		Dublin to 4 p.m.	15	46	44	44	ogr	o.c	bc.o	*
City (Bunhill Row) ...	*	*	0.0	*	*	*	*	*	*	*		Darwen to 9 p.m.	5	40	38	37	our	oe	our	0.0
Westminster (St. James's Pk.)	90	95	0.0	48	43	41	9	r	or	r		Manchester "	2	43	40	*	or	o	o.c	0.0
Camden Sq. (Brit. Rain-fall)	94	100	0.0	46	43	40	10	or.o	o	*		Birmingham "	6	41	38	37	r.o	o	or	0.0
Hampstead (Reservoir) ...	*	99	0.0	45	42	36	11	c.or	or	om		Oxford to 8 p.m.	*	44	41	39	o.ogr	ogr.og	og.oor	*
Richmond Park ...	*	*	0.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																
Kew. (See front page.)																				
(Greenwich and Camden Square air temperatures are in Glaisher screens.)																				
S. Kensington (Roof of M.O.)	90	92	0.0	Total.		Average Rate.		Max. Rate.			S. Kensington (Museum Grounds to 6 p.m.)	4	47	41	40	o.or.o	f.og	m.o	*	
				93	Joules	3.3	Milliwatts.	15	Milliwatts.											

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

13th & 14th December 1914.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.58	11.47	3.36
Greenwich ...	7.59	11.48	3.36
Wick ...	7.59	11.54	3.49
Valencia ...	8.56	12.6	3.16
	8.57	12.7	3.16
	8.43	12.35	3.27
	8.44	12.36	3.27

NOTES ON YESTERDAY'S WEATHER.

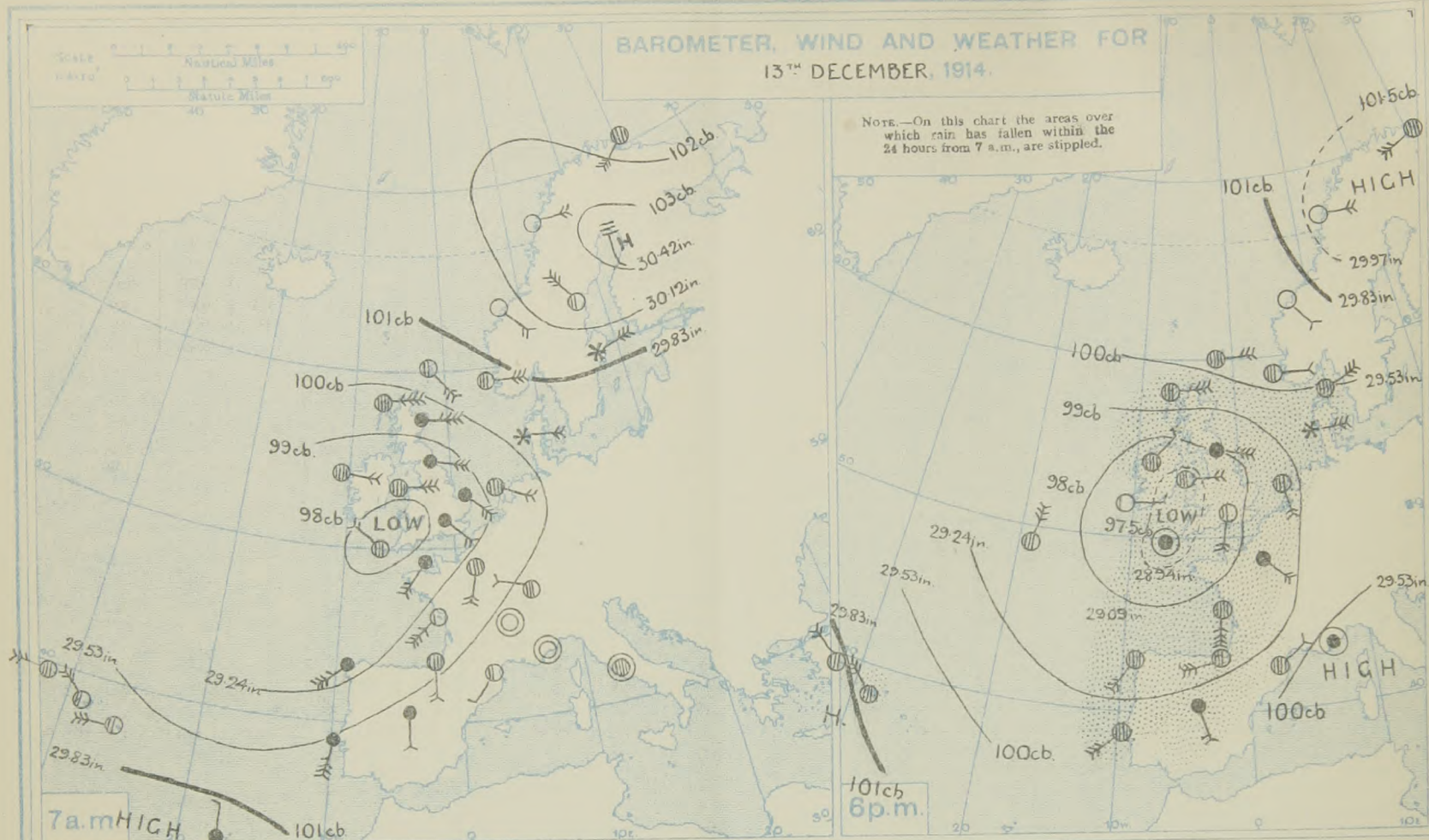
Temperature exceeded 50° at a few southern stations, but remained below 40° locally in the North. Rainfall was very variable, ranging up to 20 mm. at Jersey. Some parts of Scotland had sleet or snow. Over about one half of the Kingdom there was no bright sunshine, but Holyhead had 4 hours.

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. haze; y. 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. and at the bookstalls at certain Railway Termini in London.

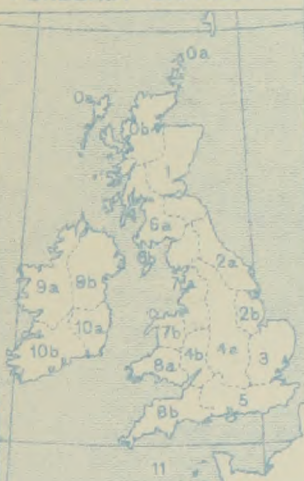
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 348. Monday 14th December, 1914.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.	
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
		° F.					° F.	° F.								° F.	° F.				Hours.		
BRITISH ISLANDS.	Lerwick ...	1002.3	38	E	5	cg	994.7	-3	38	+3	NE	5	-	cg	5	-	38	34	c	cg	cg	*	
	Deerness ...	996.6	36	E	6	crsp	988.8	*	37	0	E	5	-	cg	6	5	39	30	ops.o	oprsq.	or	0.0	
	Stornoway ...	992.9	40	E	7	cg	986.5	-4	40	+3	E	8	-	odgp	6	2	40	26	odpq.	c.cq.	c.odqp	0.0	
	Castlebay (Barra Isd.)	985.8	43	NE	5	opqr	980.1	-2	41	+1	NNE	6	-	og	6	7	43	39	opq.c	c.opq.	op.c.cq.	0.8	
	Glasgow ...	981.8	41	ENE	4	o	977.6	+1	42	+4	ENE	3	-	r	3	3	43	27	adp	edp	odq.or	0.0	
	Eskdalemuir ...	980.2	40	ENE	6	or	977.7	0	42	+9	ENE	3	-	or	5	5	42	33	or	or	or	0.0	
	Malin Head ...	977.0	40	ENE	8	ormq.	975.3	0	43	+3	ENE	5	-	o	6	10	44	25	opq.	ormq.	omq.	0.0	
	Markree Castle	978.0	41	NE	1	o	975.3	*	41	+1	-	0	-	r	*	6	*	*	op	op	or	0.0	
	Blacksod Point	978.0	41	NE	1	o	975.3	*	41	+1	-	0	-	r	*	6	*	*	op	op	or	0.0	
	Valencia ...	976.1	41	E	1	b	975.1	0	37	-6	-	0	-	c	3	-	44	32	c.b	bcn	bcn	2.8	
	Roches Point	975.6	42	NNW	2	b	975.6	*	38	-3	N	1	-	b	2	0.2	46	37	bc.c	bc.b	bw	*	
	Birr Castle ...	975.5	41	NE	2	o	974.9	*	36	-4	S	1	-	f	*	4	43	35	od	or.og	af	0.0	
	Donaghadee ...	976.2	45	E	6	ormq.	975.3	0	45	+3	SE	3	-	ofr	3	2	46	41	ogp	ormq.	ompfr	*	
	Liverpool (Bidston)	975.8	44	ENE	1	o	974.4	-1	42	+1	E	1	E	od	2	3	46	41	ad	o	or	0.0	
	Holyhead ...	974.9	45	E	4	cmpd	973.8	0	44	+1	E	2	-	omd	1	2	45	39	o.cm	o.opdm	o.umd	0.2	
	Pembroke (St. Ann's)	973.1	45	ESE	2	r	974.0	+1	45	+3	WSW	3	SW	c	2	3	46	42	opd	ogpd	or	0.0	
	Scilly (St. Mary's)	972.5	47	-	0	cpd	975.9	+1	44	-3	WNW	4	W	c	4	3	50	43	cr	cpd	bc.cpr	1.8	
	Falmouth ...	972.8	45	SSW	1	o	975.6	+1	41	0	WSW	1	-	o	2	5	51	41	c.b	ad.c	od.bc	1.3	
	Jersey (St. Aubin)	974.2	46	S	6	opd	977.3	*	50	0	SSW	4	S	o	4	9	52	47	ogp.o	agr.pd	ogp.o	0.1	
	Portland Bill ...	975.3	49	S	5	cu	974.8	+1	49	0	W	4	SW	bc	5	12	51	47	cp	cp	cr.bc	*	
	Dungeness ...	981.6	48	SW	8	opqr	976.8	+5	50	+1	SW	8	SW	cg	7	3	50	50	opq.	opq.	org.c	*	
	Dover ...	982.1	47	S	6	r	977.5	+3	49	+1	SSW	6	S	r	6	8	49	43	op	op	op.r	0.0	
Wick ...	995.0	40	E	6	o	986.6	-4	39	+2	ENE	6	-	r	7	12	41	35	orthp	h.omp	omqph	*		
Nairn ...	990.5	37	ENE	3	o	982.5	*	41	+7	ENE	8	-	ouq	6	7	41	33	u.ode	ag	ogr	0.0		
Aberdeen ...	989.7	40	E	8	omq.	981.7	-1	46	+7	ESE	4	-	o	6	21	46	39	org.	org.	org.o	0.0		
Leith ...	984.6	43	ENE	3	r	978.4	-1	45	+3	E	1	-	o	*	11	46	40	org.	org.	org	*		
Tynemouth ...	979.8	44	ESE	7	ormq.	977.7	0	45	+3	SE	3	-	om	6	8	45	41	ormq.	ormq.	om	*		
Spurn Head ...	978.3	45	ESE	5	o	975.0	-4	45	0	E	5	-	ag	5	4	45	40	agr.o	or	or	0.0		
Yarmouth ...	981.7	47	S	6	or	975.4	-4	45	0	S	1	SE	o	1	14	48	41	or	br	or	0.0		
Clacton-on-Sea	980.9	48	SSE	6	c	974.6	+1	46	-1	S	4	S	cr	4	8	48	44	ogrg.c	erg	c.ogrg	0.0		
Nottingham ...	977.2	45	S	2	bc	973.7	*	44	0	E	2	E	r	*	6	46	41	or	r.o.c	bcp.o	0.0		
Bath ...	977.3	47	SW	1	o	975.3	+2	43	-2	W	1	S	o	*	13	49	43	od	c.or	omr	0.9		
London (Kew Obsy.)	978.4	48	SSE	4	bc	975.8	+6	45	-1	SW	3	-	o	*	13	50	44	or.p.c.w	op.ur.bc	bc.org.o	0.2		
ICELAND, FAEROE, &c.	Spitsbergen ...												*	*	*	*	*	GALES.					
	Isafjord ...												*	*	*	*	*	Duration and Extreme Force in British Islands.					
	Reykjavik ...												*	*	*	*	*	Stornoway.					
	Vestmanna ...												*	*	*	*	*	13th 7 a.m. - 14th 7 a.m. E 8 in Squalls.					
	Seydisfjord ...												*	*	*	*	*	Malin Head					
	Thorsbavn ...												*	*	*	*	*	13th 7 a.m. - 14th 5 a.m. E 8 Ex E 9 @ 7 a.m. (13th)					
NORTHERN EUROPE.	Vardö ...	1017.0	28	WSW	5	o	1008.4	-4	25	-9	SW	8	-	o	4	*	34	19					
	Bodö ...	1016.7	25	E	4	b	1004.6	-3	23	+2	E	4	-	o	2	-	27	19					
	Christiansund	1005.6	30	SE	2	b	999.0	-4	28	+1	E	1	-	b	4	-	30	27					
	Skudesnaes ..	1001.0	30	E	2	c	992.2	-3	37	+5	E	4	-	c	2	-	37	28					
	Færder (X'ianta Fjord)	1003.5	28	N	6	o	999.3	0	28	-2	MNE	4	-	S	2	?	30	27					
	The Scaw (Skagen)	999.9	32	NE	6	o	995.9	-2	37	+	E	5	-	o	4	2	37	28					
	Blaavands Huk	995.7	34	E	4	S	991.0	-6	39	+5	ESE	3	-	o	3	2	39	34					
	Haparanda ...													*	*	*	*	*	Dungeness				
	Hernösand ...													*	*	*	*	*	13th 7 a.m. - 14th 3 a.m. SW 8				
	Stockholm ...													*	*	*	*	*	14th 5 a.m. - 14th 7 a.m. SW 8				
FRANCE, &c.	Wisby ...													*	*	*	*	*	Dover				
	Karlstad ...													*	*	*	*	*	13th 11 a.m. - Noon SE 8				
	Petrograd (G.M.T.)													*	*	*	*	*	S 9 @ Noon.				
	The Helder ...	988.2	45	SSE	4	c	978.9	-5	45	+6	SSE	5	-	r	3	4	46	39	Wick				
	Brussels ...	*	*	*	*	*								*	*	*	*	*	13th 7 a.m. - 14th 7 a.m. ENE 8 in Squalls				
	C. Gris Nez ...	983.5	45	S	6	r	977.9	+5	46	0	SW	7	*	c	5	12	50	43	Nairn				
	La Hève ...	?	46	SSW	6	o	?	*	48	0	SSW	5	*	o	6	2	50	45	13th 11 p.m. - 14th 7 a.m. ENE 8 in Squalls				
	Ushant ...	973.0	50	NE	6	r	978.3	*	50	0	SW	3	*	c	3	13	52	45					
	Brest (St. Mathieu)	969.6	51	?	6	r	978.9	+2	50	-1	WNW	3	*	c	5	15	55	45	Aberdeen.				
	Rochefort (Ile d'Aix)	983.5	53	S	8	o	985.3	0	50	?	S	4	*	c	*	8	54	46	13th Noon - 14th 3 a.m. E 8				
SOUTHERN EUROPE.	Biarritz ...	983.4	59	WSW	6	c	987.3	0	55	+2	S	3	*	c	5	2	59	53	Gusts 26 mps.				
	Paris ...	986.0	46	SSE	5	r	984.7	0	50	+4	SSW	4	-	o	*	2	53	45					
	Belfort ...												*	*	*	*	*						
	Lyons ...	993.9	50	SSE	5	o	991.4	*	51	+14	S	1	*	r	*	15	54	37					
	Nice ...	1006.4	44	-	0	r	998.0	-3	47	+4	-	0	*	r	4	22	52	43					
	Perpignan ...	994.7	48	NE	2	o	990.6	+2	45	+11	W	1	-	b	*	-	54	34					
	Sanguinaire ...	*	55	SW	4	o	*	*	54	*	SW	6	*	f	6	16	59	48					
	Corunna (7 a.m.)	987.5	57	SW	5	o	986.4	+3	50	-9	SW	3	-	c	4	4	61	50					
	Madrid (8 a.m.)	998.0	48	SSE	3	r	995.8	+2	46	+3	W	6	SW	c	*	19	50	43					
	Lisbon (9 a.m.)	998.6	57	SW	5	o	998.3	+1	57	-4	WSW	6	-	bc	?	6	61	52					
AZORES, MADEIRA	Gibraltar ...													*	*	*	*	*					
	Rome ...													*	*	*	*	*					
	Azores (Horta, 8 a.m.)	1006.7	*	WNW	6	c	1018.4	+1	53	-4	NNW	3	-	bc	4	6	61	52					
	Madeira (Funchal)													*	*	*	*	*					



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay 11

- | | | | |
|----|---|---|---|
| 0 | a | } | Easterly and North-Easterly winds, high or strong to moderate; overcast generally, occasional rain; no important change of temperature. |
| 1 | b | | |
| 2 | a | } | Easterly winds, strong or fresh to moderate; overcast generally, occasional rain; moderate temperature. Variable to South-Westerly or Westerly winds, strong to moderate; much cloud, occasional rain; moderate or rather mild temperature. |
| | b | | |
| 3 | a | } | Same as No. 2. |
| | b | | |
| 4 | a | } | South-Westerly to Westerly winds, fresh or strong to moderate; weather rather variable, mostly dull, occasional rain; temperature above normal. |
| | b | | |
| 5 | a | } | Same as No. 2. |
| | b | | |
| 6 | a | } | Westerly winds, fresh or moderate; cloudy, some rain or passing showers; temperature falling somewhat. |
| | b | | |
| 7 | a | } | Wind varying both in direction and force; weather rather variable, mostly overcast, some rain; moderate or rather low temperature. |
| | b | | |
| 8 | a | } | Westerly winds, fresh or moderate; sea rather rough; much cloud, occasional rain. |
| | b | | |
| 9 | a | } | |
| | b | | |
| 10 | a | } | |
| | b | | |
| 11 | | | |

FURTHER OUTLOOK.

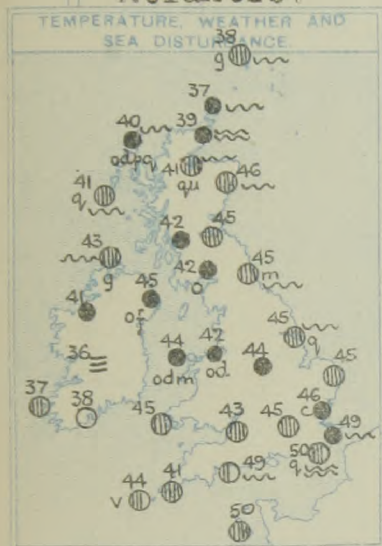
R. G. K. LEMPFFERT, Superintendent, Forecast Division.

W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., MONDAY, 14TH DECEMBER, 1914.

GENERAL INFERENCE.

The depression will probably move on eastward to the Continent and be followed by another disturbance from the Atlantic.

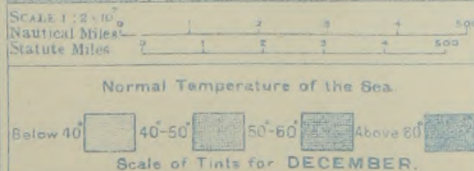


Inches.

31

30

29



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.

DAILY WEATHER REPORT.

Monday, 14th December, 1914.REPORTS
FOR
YESTERDAY.13th December 1914.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. & .	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.			
Scot- land.						
Oban
Banff
St. Andrews
Eng. N.W.						
Harrogate
Scarborough
Skegness
Eng. N.E.						
Morecambe
Blackpool
Southport
Midlands.						
Buxton
Leamington Spa
Malvern
Ross-on-Wye
Wales.						
Rhyl
Colwyn Bay
Llandudno
Aberystwyth
Tenby
Swansea
England.						
Cromer
Lowestoft
Felixstowe
Walton-on-Naze
Southend-on-Sea
England, S.E.						
Tunbridge Wells
Margate
Ramsgate
Folkestone
Hastings
Bexhill-on-Sea
Eastbourne
Seaford
Brighton
Worthing
Littlehampton
Bognor
Southsea
Bournemouth
England, S.W.						
Weymouth
Exmouth
Torquay
Paignton
Falmouth
Penzance
Newquay
Ilfracombe
Weston-super-Mare

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day. Hr.	TEMPERATURE.			Rain- fall. mm. & .	WEATHER.		
	7 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min.	Min. on Grass.		Fore- noon.	After- noon.	Night.
	%	%		° F.	° F.	° F.				
Greenwich (Royal Obs.) ...	93	94	0.0	49	43	41	15	or	or	or o
City (Bunhill Row) ...	93	94	0.0	49	43	41	15	or	or	or o
Westminster (St. James's Pk.)	91	87	0.1	51	43	42	7	r	r	or bm
Camden Sq. (Brit. Rainfall)	91	91	0.0	50	44	41	9	r	r	c
Hampstead (Reservoir) ...	92	92	0.0	48	41	35	10	or	or	c
Richmond Park ...	92	92	0.3	48	41	35	10	or	or	c
Kew. (See front page.)	92	92	0.3	48	41	35	10	or	or	c
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	87	87	0.1	44	37	35	10	or	or	c
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										
Total.				Average Rate.		Max. Rate.				
14.0 Joules				5.0 Milliwatts.		19 Milliwatts.				

Additional Observations for Yesterday.

STATIONS.	Rain- fall. mm. & .	TEMPERATURE.		WEATHER.		Sun- shine for Yester- day. Hr.
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
		° F.	° F.			
Dublin to 4 p.m.	2	45	42	op	og	c op c
Darwen to 9 p.m.						
Manchester "						
Birmingham "	7	45	40	39	r	or or
Oxford to 8 p.m.						
Teignmouth to 9 p.m.		49	43	41	or	or c. bc
Plymouth "						
S. Kensington (Museum Grounds to 6 p.m.)	15	50	45	41	o. or	orod ory c

NOTES ON YESTERDAY'S WEATHER.

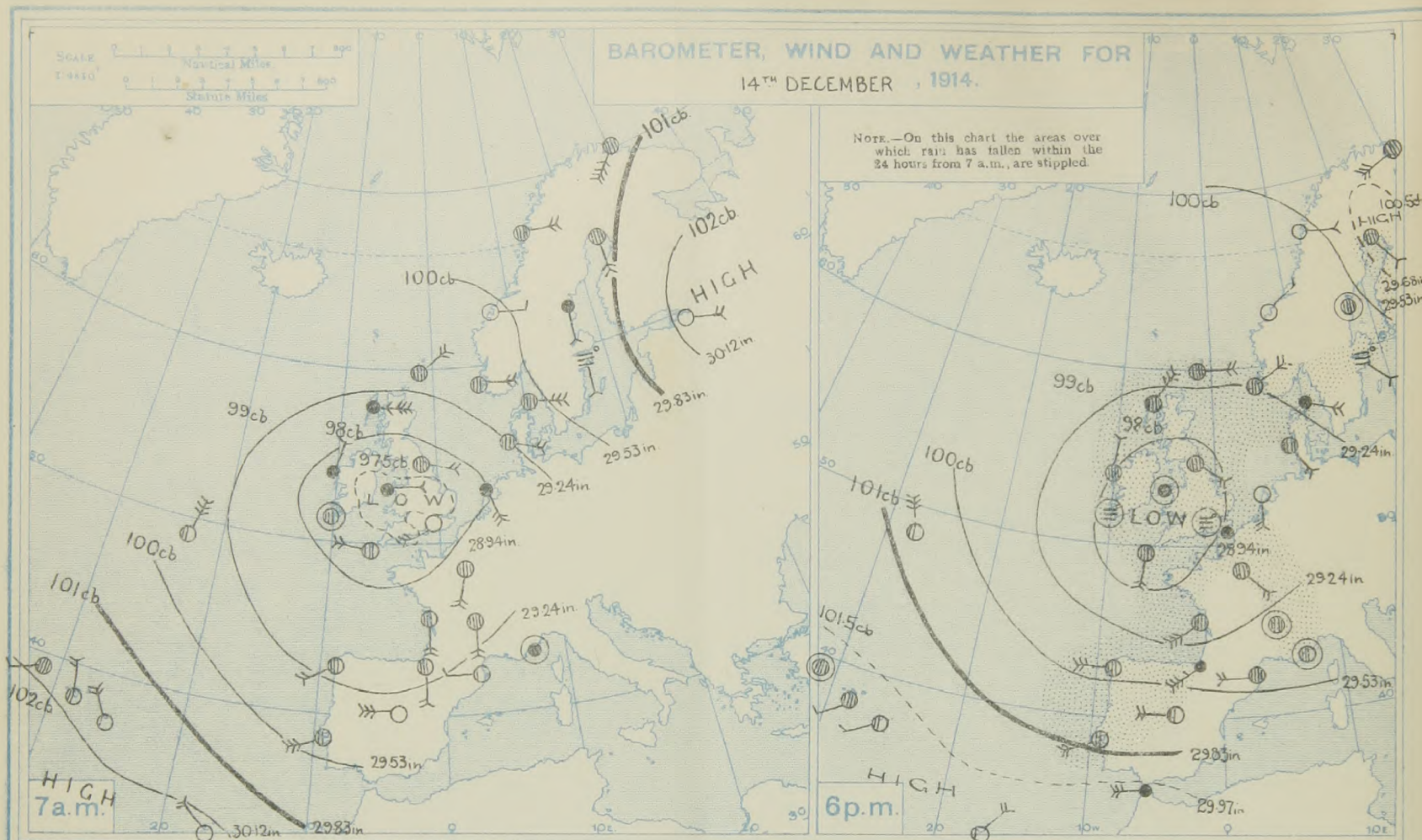
Temperature rose to about 50° in the south of England, but only to about 40° in some Scottish localities. Strong winds or gales were very general from the Southward in the southern, and from the Eastward in the northern districts. Rain fell very generally—heavily in places.

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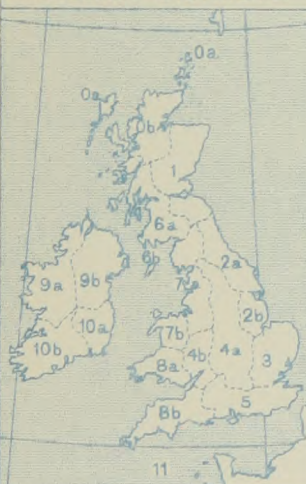
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 349. Tuesday, 15th December, 1914.

DATE	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.	
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Dir.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
		° F.						° F.	° F.							° F.	° F.				Hours.		
BRITISH ISLANDS.	Lerwick	991.5	41	SSW	4	omg	990.0	-1	42	+4	ENE	4	-	0	3	42	36	omg	omg	0	*		
	Deerness	988.1	42	E	5	og	987.8	*	42	+5	NNE	3	-	0	4	43	36	r	o	0	0.0		
	Stornoway	985.2	44	NE	5	ogq	989.3	+2	42	+2	ENE	5	-	og	4	44	38	ogq	ogq	o.c.dg	0.0		
	Castlebay (Barra Isd.)	982.3	45	NNE	4	b	987.4	+2	44	+3	NE	4	-	b	4	46	40	ogq	r.o.b	b.c.b	0.0		
	Glasgow	979.4	43	ENE	3	0	984.9	+2	40	-2	NNE	1	NE	c	3	44	29	od.p	o.c.o	o.r.b.c	0.0		
	Esksdalemuir	978.8	42	NE	4	OT	984.0	+2	39	-3	NNE	3	-	o	5	42	39	or	OT	od.o	0.0		
	Malin Head	976.5	44	E	5	omr	985.0	+5	44	+1	ENE	4	-	ogq	5	44	43	omr	omr	od.g	0.0		
	Markree Castle	978.3	42	-	0	r	985.8	*	42	+1	N	1	-	r	4	*	*	ogq	omg	sp	0.0		
	Blacksod Point	980.3	44	NNE	2	om	986.9	+5	45	+3	NNW	3	N	op	3	45	42	omr	om	op.omr	*		
	Valencia	979.0	42	-	0	m	989.1	*	46	+9	NW	4	-	r	4	47	36	cs	mp	cmr	0.2		
	Roche's Point	979.4	38	N	2	f	986.8	*	44	+6	NNW	3	-	o	2	46	35	cs	fe	fe.b.o	*		
	Birr Castle	978.2	37	S	1	f	984.8	*	41	+5	WSW	2	-	r	1	41	33	f.o	f.o	o.or	0.0		
	Donaghadee	977.2	44	SE	3	ogmr	983.4	+6	44	-1	ESE	3	-	ogp	3	45	43	ogmr	ogmr	omr.op	*		
	Liverpool (Bidston)	977.1	43	SE	1	0	982.7	+2	40	-2	SW	2	-	bcn	1	44	27	od	og	om	0.0		
	Holyhead	976.3	45	-	0	ogt	982.8	+4	45	+1	SW	3	-	og	2	46	43	ogd	c.ogd	bc.ogd	0.0		
	Pembroke (St. Ann's)	978.1	43	ESE	1	b	984.8	+4	43	-2	W	3	SW	og	3	47	37	c	bc	bc	1.7		
	Scilly (St. Mary's)	976.7	46	SSW	4	cp	987.3	+7	48	+4	NW	6	NW	cgp	6	48	40	bc	bc	cp.b.c	2.6		
	Falmouth	978.9	40	W	1	b	986.6	+6	40	-1	WNW	2	-	bc	3	48	40	od.b.c	bc	fe.b.c	1.7		
	Jersey (St. Aubin)	979.8	46	S	3	opd.	986.5	*	46	-4	WSW	5	SW	ogp	4	51	44	o	ompd	bl.ogp	0.0		
	Portland Bill	978.8	48	WSW	1	op	983.9	+7	44	-5	NW	5	NW	c	6	52	43	b.p	bc.c.p	o.cr	*		
	Dungeness	980.1	49	SW	3	OT	982.9	0	48	-2	SSW	5	SW	crg	4	51	42	crg	c.or	l.crg	*		
	Dover	980.8	49	SW	4	T	983.4	0	46	-3	SSW	5	SW	o	6	50	41	rc.b.p	or.b.c	op.r	0.3		
Wick	986.5	45	ENE	5	r	986.9	0	43	+4	NE	4	-	c	6	45	39	omrg	omrg	r.o.cm	*			
Nairn	983.1	43	E	1	omr	986.7	*	41	0	ENE	3	-	ogu	4	45	40	or.c.p	om	op.o	0.0			
Aberdeen	983.2	44	ENE	5	0	983.8	0	41	-5	NNW	3	-	od	4	46	41	or.c.p	op	odp	0.0			
Leith	980.4	45	ENE	2	r	983.7	+1	43	-2	ENE	2	-	o	2	46	42	og	op	r	*			
Lynemouth	977.9	45	SE	3	omp	981.5	+2	44	-1	NNW	3	-	om	4	46	43	omp	omp	om	*			
Spurn Head	979.7	45	SW	3	bc	981.7	0	40	-5	W	3	-	cm	4	47	39	or	bc	bc	0.0			
Yarmouth	980.6	46	SSW	1	bc	982.5	+2	41	-4	WSW	2	-	or	1	50	38	o.b.c	bc.b.c	or	2.7			
Clacton-on-Sea	979.9	47	S	2	og	982.6	+2	42	-4	S	1	S	eg	2	49	41	c.b.c	bc.c.g	ogr.c.g	4.8			
Nottingham	978.9	40	W	1	b	982.5	*	37	-7	W	1	W	o	7	45	35	r.o.c	o.c.bm	bm.f	0.0			
Bath	979.3	44	SW	1	m	984.4	*	37	-6	W	1	SW	o	7	50	35	m.o.c.b	bc.cm	om.d	4.6			
London (New Obs.)	979.8	46	-	0	m	982.3	-1	43	-2	NE	2	-	om	10	49	41	om.b.c	bc.bm	om.f.cm	3.2			
ICELAND, FAEROE, &c.	Spitsbergen												*	*	*	*	GALES.						
	Isafjord												*	*	*	*	Duration and Extreme Force						
	Reykjavik												*	*	*	*	in British Islands.						
	Vestmanna												*	*	*	*							
	Seydisfjord												*	*	*	*							
	Thorshavn												*	*	*	*							
NORTHERN EUROPE.	Vardö	1000.6	21	SW	5	0	999.7	0	28	+3	W	2	-	o	3	28	19						
	Bodö	1001.9	23	E	2	b	1001.2	0	21	-2	E	2	-	b	2	23	19						
	Christiansund	995.5	27	NE	1	b	992.7	-2	30	+2	ENE	2	-	b	4	30	27						
	Skudesnaes	988.4	41	ENE	5	0	987.0	0	41	+4	E	4	-	o	3	41	36						
	Færder (Xantia Fjord)	993.9	34	NNE	4	S	993.5	0	37	+9	NNE	2	-	o	2	37	28						
	The Scaw (Skagen)	991.1	42	ESE	4	r	991.3	0	41	+4	ESE	3	-	r	2	42	36						
	Blaavands Huk	985.7	43	SE	3	0	987.8	0	41	+2	SE	2	-	m	2	44	37						
	Haparanda	1006.0	30	SE	2	0	1003.5	0	23	-2	S	2	-	f	2	30	25						
	Hernösand	999.5	34	-	0	0	1001.2	0	28	-6	-	0	-	f	2	36	27						
	Stockholm	999.0	37	SE	2	m	997.6	0	37	0	ENE	1	-	m	1	39	36						
Wisby	998.4	39	E	2	0	995.7	-3	39	0	E	2	-	o	2	41	37							
Karlstad	997.0	34	-	0	r	995.3	-3	36	+8	E	2	-	o	5	37	28							
Petrograd (5 p.m. G.M.T.)													*	*	*	*							
FRANCE, &c.	The Helder	983.5	45	S	3	b	984.7	0	45	0	S	5	-	o	4	50	43						
	Brussels	*	*	*	*	*								*	*	50	43						
	C. Gris Nez	981.0	49	S	5	r	983.7	0	46	0	SSW	7	*	o	5	50	43						
	La Hève	981.2	47	S	3	r	985.7	*	46	-2	SW	6	*	r	6	52	43						
	Ushant												*	*	55	45							
	Brest (St. Mathieu)	983.4	50	W	4	0	991.1	+5	48	-2	NW	6	*	r	6	55	45						
	Roche fort (Ile d'Aix)	987.5	50	SW	6	0	998.7	+3	50	0	WSW	7	*	c	1	55	48						
	Biarritz	995.1	53	SW	7	r	1005.7	+3	53	-2	SSW	5	*	c	4	59	50						
	Paris	984.0	50	SSE	3	0	992.2	+1	45	-5	SSW	4	-	o	*	Trace	55	41					
	Belfort												*	*	52	41							
Lyons	991.9	46	-	0	0	1005.2	*	43	-8	-	0	*	c	*	52	41							
Nice	995.4	50	-	0	c	1001.5	+4	49	+2	-	0	*	bc	4	52	46							
Perpignan	992.0	61	W	3	0	1007.3	+6	48	+3	WSW	1	W	r	4	54	45							
Sanguinaire	999.4	54	E	3	m	1002.4	*	57	+3	W	4	*	bc	6	61	52							
SOUTHERN EUROPE.	Corunna (7 a.m.)	997.5	52	W	5	c	1009.2	+3	48	-2	SW	4	-	c	5	54	46						
	Madrid (8 a.m.)	1000.0	48	W	4	bc	1017.5	+5	41	-5	SSW	1	W	c	*	50	39						
	Lisbon (9 a.m.)	1009.1	54	WSW	4	bc	1016.7	+2	54	-3	WSW	3	SW	c	7	59	52						
	Gibraltar	1016.2	58	W	5	r	1019.3	*	56		WNW	4	-	c	1	65	55						
	Rome													*	*								
Azores (Horta, 8 a.m.)	1017.9	*	SW	1	0																		
Madeira (Funchal)	1019.0	64	NW	3	b	1020.2	0	59	0	SW	2	N	0	3	70	59							



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 | a | } | North-Easterly to Northerly winds, light to fresh; cloudy or overcast generally, rainy or showery, then improving somewhat; temperature lower than of late |
| 1 | b | | |
| 2 | a | } | Northerly or North-Westerly winds, light to moderate or fresh; cloudy or overcast generally, rainy or showery, then improving somewhat; temperature rather lower |
| 3 | b | | |
| 4 | a | } | Westerly to North-Westerly winds, light to moderate or fresh; cloudy or overcast generally, rainy or showery, then improving somewhat; temperature lower than of late. |
| 5 | b | | |
| 6 | a | } | Same as Nos. 0 and 1. |
| 7 | b | | |
| 8 | a | } | Same as No. 2. |
| 9 | b | | |
| 10 | a | } | Northerly and North-Westerly winds, light to fresh; cloudy or overcast generally, rainy or showery, then improving somewhat; temperature lower than of late |
| 11 | b | | |
| 11 | a | } | North-Westerly winds, moderate to strong sea rather rough; some showers. |
| | b | | |

FURTHER OUTLOOK.

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

W. N. SHAW, Director.

Millibars
1050—3

1040

1030

1020

1010

1000

990

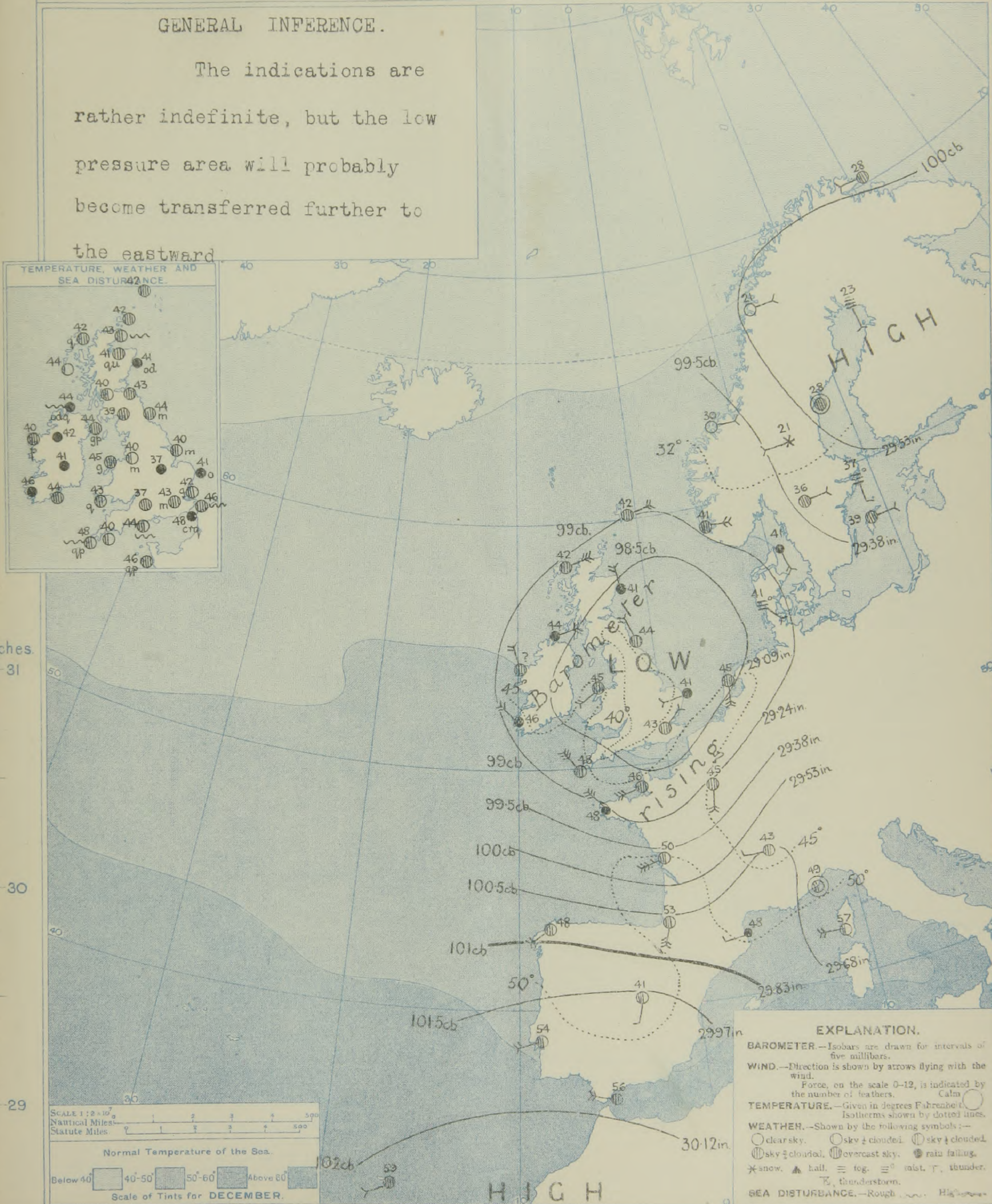
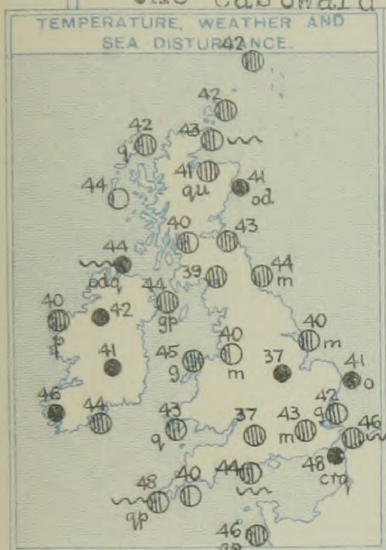
980

970

SYNOPTIC CHART FOR 7 a.m., TUESDAY, 15TH DECEMBER, 1914.

GENERAL INFERENCE.

The indications are rather indefinite, but the low pressure area will probably become transferred further to the eastward.



EXPLANATION.

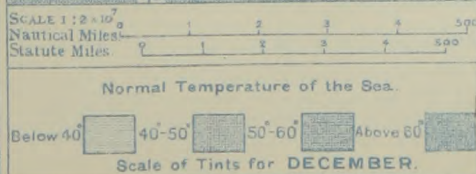
BAROMETER.—Isobars are drawn for intervals of five millibars.

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 & cloud. ○ sky & clouded.
 ○ sky & clouded. ○ overcast sky. ● rain falling.
 * snow. ▲ hail. ☼ fog. ☼ mist. ☼ thunder.
 ☼ thunderstorm.

SEA DISTURBANCE.—Rough. High.



DAILY WEATHER REPORT.

Tuesday, 15th December, 1914.

REPORTS
FOR
YESTERDAY.

14th December 1914.

STATIONS.

EVENING OBSERVATIONS.

OBSERVATIONS AT 7 A.M., G.M.T.

Haparanda
Hernösand
Stockholm
Karlbad
Petrograd
Funchal
Wisby
Blackhead Point

1026.3
1013.6
1002.4
1003.5
1025.9
1011.7
1002.9
979.5

5
28
34
28
25
66
39
41

-
NE
E
NE
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W
SE
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4
2
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4
6
2
3

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1007.9
1002.7
1001.1
1000.3
1021.1
1021.3
1001.3
976.7

-5
-4
0
0
-5
+2
-1
+1

25
34
37
28
16
59
39
42

+18
+13
+7
0
-7
-7
+5
+2

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25
34
27
28
25
68
41
42

3
19
30
27
18
59
32
39

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot- land.	mm. §	° F.	° F.			Hr.	Tunbridge Wells ...	mm. §	° F.	° F.			Hr.
Olvan ...	1	46	40	or	o.c.o	8.0	Margate ...	8	53	44	c	bc	1.3
Banff ...	30	46	38	r.o.c	od	0.0	Ramsgate ...	10	50	43	r	o	1.6
St. Andrews ...	12	46	41	*	*	0.0	Folkestone ...	9	50	40	r.o.c	c.or	1.0
Eng. N.E.							Hastings ...	13	52	45	or.bc.b	bc.o	2.3
Harrogate ...	16	43	41	r	r	0.0	Bexhill-on-Sea ...	16	50	45	or	or.c	2.8
Scarborough ...	8	47	42	o	o	0.0	Eastbourne ...	18	52	45	bc.b	bc	2.2
Skegness ...	2	47	43	o.bc	bc.o.bc	1.1	Seaford ...	8	51	45	bc	bc	1.2
Eng. N.W.							Brighton ...	13	50	46	bc.c.op	op.o	0.1
Morecambe ...							Worthing ...	9	50	45	bc.c	nc	0.4
Blackpool ...							Littlehampton ...	6	49	46	b.bc.b	b.bc.c	2.0
Southport ...	8	43	41	or	or.o	0.0	Bognor ...	11	50	46	o.bc	ep	2.4
Midlands.							Southsea ...						
Buxton ...	10	42	38	cr	rc.b	0.0	Bournemouth ...	10	48	41	b	rc	3.2
Leamington Spa ...	7	47	42	c.bc	bc	1.8							
Malvern ...	7	46	41	c.bc	bc.b	0.0							
Ross-on-Wye ...	10	43	40	bc	b	3.3							
Wales.													
Rhyl ...	4	45	41	og	ogr	0.0	Weymouth ...	11	52	45	b.p	p.bc	3.6
Colwyn Bay ...	3	44	40	p	c	0.0	Exmouth ...						
Llandudno ...	3	45	41	o	o	0.0	Torquay ...	3	47	40	c	bc.c	0.7
Aberystwyth ...	3	46	43	rac	c.om	0.1	Paignton ...						
Tenby ...	1	46	40	bc	bc.o	2.3	Falmouth ...	3	48	40	od.bc	bc	1.7
Swansea ...	7	47	42	c	bc	3.1	Penzance ...	2	48	41	c	bc	2.8
England. E.							Newquay ...	1	48	38	opd.b.o	bc.c.br	2.6
Cromer ...	3	47	42	r.o.c	bc.b	2.5	Ilfracombe ...	2	47	40	c.bc.c	op.c	1.5
Lowestoft ...	4	51	45	c.bc	bc.b	3.1	Weston-super-Mare ...	4	48	42	bc.b	b.bc	2.2
Felixstowe ...	5	50	44	bc	bc.p	4.2							
Camden-on-Naze ...	5	49	45	bc	bc.p	4.6							
Southend-on-Sea ...	2	52	44	c.bc.b	b.bc.c	4.5							

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.		Rain- fall.	WEATHER.		STATIONS.	RAIN FALL.	TEMPERATURE.		WEATHER.		Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.		Fore- noon.	After- noon.			In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
Greenwich (Royal Obs.) ...	84	93	4.3	51	40	35	10	bc	bc	bc.or					
City (Bunhill Row) ...	8	8	0.2	5	5	3	8	*	*	*					
Westminster (St. James's Pk.)	83	86	3.2	52	42	38	11	bc	bc	mm					
Camden Sq. (Brit. Rainfall)	96	93	1.2	50	40	37	12	o.c	c.bc	*					
Hampstead (Reservoir) ...	*	96	2.1	48	38	29	9	bc	c.or	o					
Richmond Park ...	*	*	4.4												
Kew. (See front page.)															
(Greenwich and Camden Square air temperatures are in Glaisher screens.)															
S. Kensington (Roof of M.O.)	79	87	3.4	251	Joules	8.9	Milliwatts.	27	Milliwatts.	3	51	44	40	c.ad.or	ad.c
														bc.com	*

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

15th & 16th December 1914.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.0	11.48	3.36
Greenwich ...	8.1	11.49	3.36
Wick ...	8.2	11.50	3.36
Valencia ...	8.3	11.51	3.36

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 50° in most parts of these islands. Rain fell very generally, heavily in several places; 15 mm. at Dungeness, 17 mm. at Dover. Scarcely any bright sunshine was recorded except in some southern and eastern localities

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

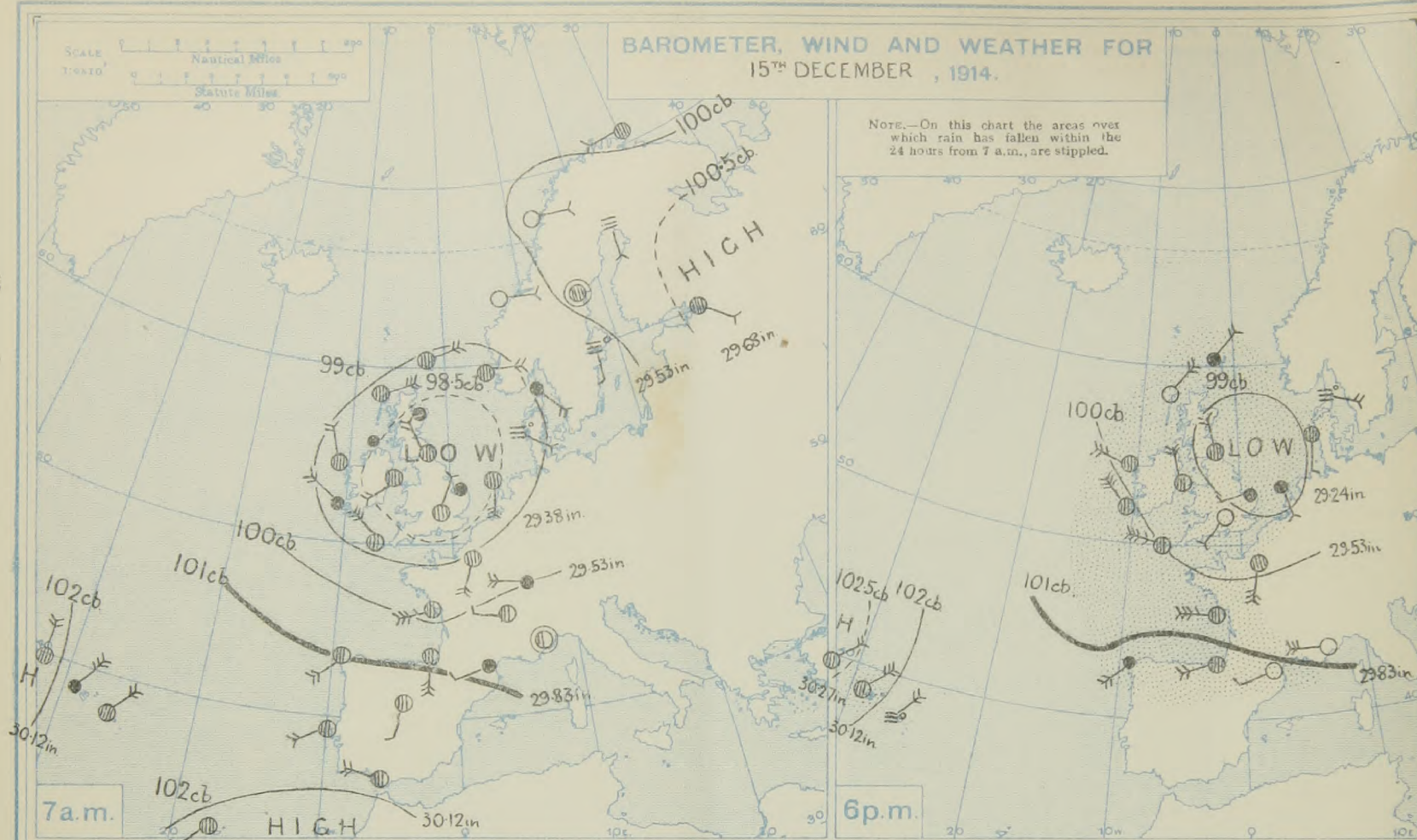
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DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day. Hours.	
		Barom. Milli- bars at M.S.L.	Temp. ° F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	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 ...	991.4	41	NE	3	omd	997.3	+2	40	-2	NNW	3	-	bc	3	2	42	39	omd	om	cm	*	
	Deerness ...	991.5	41	NNE	4	bc	1000.0	*	37	-5	WNW	3	-	bc	3	1	43	37	o	o.c.bc	bc.c.bc	0.0	
	Stornoway ...	995.6	38	NE	4	b	1003.8	+3	36	-6	NW	3	-	c	3	1	43	36	cdp	c.bc.b	b.o.c.p	0.2	
	Castlebay (Barra Isd.)	994.9	41	N	2	b	1005.1	+4	41	-3	WNW	2	-	b	2	2	46	38	bc	bc.b	bc	4.5	
	Glasgow ...	991.5	40	WNW	2	c	1004.0	+6	35	-5	WSW	1	-	b	*	-	43	34	o	o.c	c.bc.bx	0.0	
	Eskdalemuir ...	990.5	39	NW	4	c	1003.8	+7	35	-4	NW	1	-	b	*	-	40	33	o	o	o.c.bc	0.0	
	Malin Head ...	993.8	44	N	3	c	1006.6	+8	42	-2	NNW	6	NW	bcg	6	1	47	41	or	c	bcg	0.0	
	Markree Castle	996.3	44	WNW	2	o	1010.5	*	42	0	NW	3	-	b	*	10	*	42	38	op	op	or.bc	0.0
	Blacksod Point	997.3	45	WNW	5	op	1011.1	+6	43	-2	WNW	4	NW	c	4	12	45	40	omr	op	omr	*	
	Valencia ...	1001.3	47	NW	6	c	1016.2	?	45	-1	WNW	4	-	bcg	4	3	48	42	cdp	bcg/p	bcg	1.2	
	Roche's Point	998.4	45	NW	4	o	1015.1	*	40	-4	NW	2	-	b	2	2	47	39	cd.o	ofag	c.b	*	
	Birr Castle ...	995.7	42	W	1	o	1012.8	*	36	-5	W	2	-	bc	*	4	44	36	or	o	o	0.0	
	Donaghadee ...	992.1	44	NW	4	bc	1005.8	+6	42	-2	NW	4	NW	bcg	3	1	47	40	c	bc	bc.bcp	*	
	Liverpool (Bidston)	991.3	43	WNW	3	bc	1004.5	+7	43	+3	WNW	4	-	b	3	-	45	40	om	cm	bc	0.0	
	Holyhead ...	992.2	46	NNW	4	cm	1006.9	+5	46	+1	N	7	N	og	6	3	47	44	o.c.op	ofag	op.op.o	0.0	
	Pembroke (St. Ann's)	994.2	47	NW	3	c	1009.1	+8	45	+2	NW	6	NW	cg	5	-	47	43	cg	c	cg	1.0	
	Scilly (St. Mary's)	998.7	48	WNW	8	cg	1012.1	+7	45	-3	NW	7	NW	bcg/p	6	6	49	43	cdp	cdp	cg.bcp	0.9	
	Falmouth ...	997.0	46	WNW	5	b	1010.1	+7	45	+5	NNW	4	-	o	4	6	48	40	p.b.o	bcp	gp	1.4	
	Jersey (St. Aubin)	995.4	49	W	4	cdp	1008.6	*	48	+2	WNW	4	NW	c	4	13	50	45	bc.ogp	ogp.c	ogp.c	1.0	
	Portland Bill ...	993.2	48	WNW	5	bc	1006.3	+7	45	+1	NW	4	-	b	4	-	49	44	bc	bc.c	bc.b	*	
	Dungeness ...	992.1	45	W	3	b	1002.7	+5	40	-8	WNW	4	SW	bc	3	2	48	35	bcg	o.c.b	b.b	*	
	Dover ...	992.3	42	WSW	4	b	1002.8	+5	40	-6	WNW	5	-	b	2	1	46	37	rtb	c.op.b	b	0.5	
ICELAND, FAEROE, &c.	Wick ...	991.9	42	N	5	c	1001.3	+4	36	-7	W	4	-	bc	4	1	44	35	om.op	op.cm	bcm	*	
	Nairn ...	993.1	41	NNW	2	og	1002.8	*	36	-5	W	1	-	c	2	1	41	35	cd	or	og	0.0	
	Aberdeen ...	993.1	44	NNW	4	T	1001.1	+6	37	-4	WNW	4	-	b	3	2	44	37	cd	or	od.c.b	0.0	
	Leith ...	990.9	44	NW	2	o	1002.9	+4	36	-7	W	1	-	b	0	-	44	35	og	o	o	*	
	Tynemouth ...	988.0	43	NNW	3	om	1000.9	+6	40	-4	NW	3	-	om	4	1	44	39	ogmp	omp	om	*	
	Spurn Head ...	997.5	43	WNW	5	o	998.0	+4	43	+3	WNW	7	-	og	6	8	43	37	og	fr.o	og	0.0	
	Yarmouth ...	988.3	41	WSW	1	omr	998.1	+5	42	+1	WSW	3	-	cd	1	4	43	36	or.bcm	bc.omr	c.cd	3.1	
	Clacton-on-Sea	990.1	42	W	3	cm	1000.4	+5	40	-2	W	3	W	c	2	3	43	39	c.ogt	ogt.cm	c.bcm.c	0.2	
	Nottingham ...	990.1	42	W	2	c	1001.9	*	43	+6	WNW	3	W	o	3	3	45	37	r.om	om.c	c.o	0.0	
	Bath ...	992.9	41	W	1	b	1006.8	?	42	+5	W	2	NW	o	*	-	48	37	om.bc	o.bcb	b.p.c.o	2.7	
	London (Kew Obsy.)	992.3	42	SW	2	b	1004.0	+6	39	-4	WSW	2	-	om	*	1	44	37	om.ogt	ogt.bcm.b	b.bcm	0.0	
NORTHERN EUROPE.	Spitsbergen												*	*	*	*	*	*	GALES.				
	Isafjord...												*	*	*	*	*	*	Duration and Extreme Force in British Islands.				
	Reykjavik												*	*	*	*	*	*					
	Vestmanna												*	*	*	*	*	*					
	Seydisfjord												*	*	*	*	*	*					
	Thorshavn												*	*	*	*	*	*					
FRANCE, &c.	Vardö ...															*							
	Bodö ...																						
	Christiansund																						
	Skudesnaes ..																						
	Færder (X'ania Fjord)																						
	The Scaw (Skagen)	994.0	41	ESE	3	m	997.9	+3	37	-2	E	4	-	r	2	2	41	39					
	Blaavands Huk	990.7	43	S	1	o	994.7	+3	39	-2	E	1	-	m	1	6	43	37					
	Haparanda ...														*								
	Hernösand ...														*								
	Stockholm ...														*								
SOUTHERN EUROPE.	Wisby ...														*								
	Karlstad ...														*								
	Petrograd (5 a.m. G.M.T.)														*								
	The Helder ...	987.5	43	SSE	2	T	995.1	+3	46	+1	W	4	-	r	5	7	46	41					
	Brussels ...	*	*	*	*	*									*								
	C. Gris Nez ...	991.4	47	W	6	o	1002.0	+4	48	-1	W	6	*	bc	5	4	48	45					
	La Hève ...	994.7	46	WSW	6	o	1008.4	*	46	0	WNW	6	*	o	7	3	54	45					
	Ushant ...														*								
	Brest (St. Mathieu)	1002.0	51	WNW	5	o	1013.1	+5	50	+2	NW	5	*	c	5	1	55	48					
	Rochefort (Île d'Aix)	1010.1	49	W	7	c	1014.4	+3	49	-1	WNW	5	*	o	*	2	54	46					
AZORES &c.	Biarritz ...	1013.2	54	WSW	4	o	1017.7	+3	50	-3	W	4	*	r	5	1	55	48					
	Paris ...	998.3	46	SSW	4	c	1008.0	+4	43	-2	SW	3	-	o	*	2	50	41					
	Belfort ...														*								
	Lyons ...	1009.9	46	SW	2	o	1017.0	*	39	-4	SSW	1	*	o	*	-	53	38					
	Nice ...	1008.2	49	W	5	b	1014.0	+2	47	-2	W	4	*	b	3	-	55	45					
	Perpignan ...	1013.7	46	WSW	1	b	1017.9	+2	39	-9	W	1	W	o	*	1	61	37					
	Sanguinaire ...	1013.0	52	W	6	c	1014.6	*	52	-5	E	2	*	c	5	-	63	46					
	Corunna (7 a.m.)	1014.6	50	SW	5	r	1023.0	+6	48	0	WNW	2	-	o	4	12	54	45					
	Madrid (8 a.m.)														*								
	Lisbon (9 a.m.)														*								
AZORES &c.	Gibraltar ...													*									
	Rome ...													*									
AZORES &c.	Azores (Horta, 8 a.m.)	1021.0	*	NE	5	c	1027.4	0	53	-2	SW	1	-	bc	3	1	57	52					
	Madeira (Funchal)														*								

* Information for these columns not usually received.

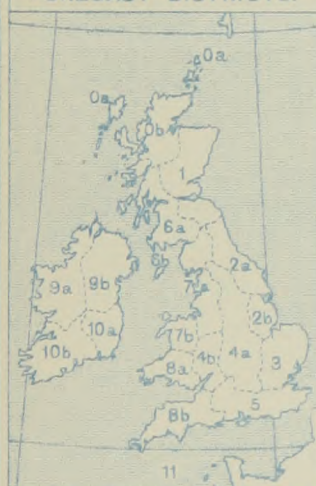
† Received too late for insertion in Charts.

‡ The barometric change is expressed in half millibars.



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings
Issued.

Western Channel and Bay 11

North-Westerly to Westerly winds, moderate or light, fresh at times; mostly fair to-day, less so to-morrow; temperature not far from the normal.

Wind between West and North-West, moderate, stronger locally occasionally; a good deal of cloud generally, some showers, air rather misty at times; temperature about normal.

Same as Nos. 0 and 1.

North-Westerly winds, fresh or strong to moderate; a good deal of cloud generally, some showers, air rather misty at times; temperature about normal.

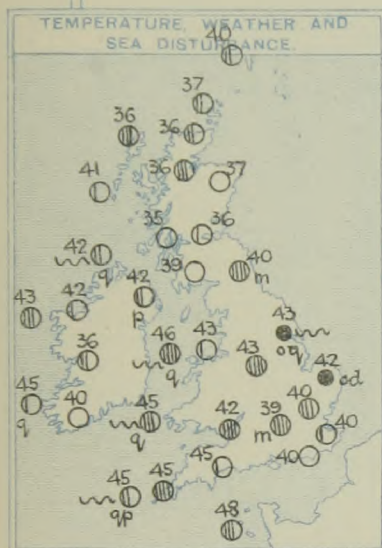
North-Westerly winds, strong or fresh to light; sea rather rough; some local showers.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 16TH DECEMBER, 1914.

GENERAL INFERENCE.

The depression over the North Sea region will continue to travel away in an easterly direction. There are at present no indications of the immediate approach of any other disturbance.

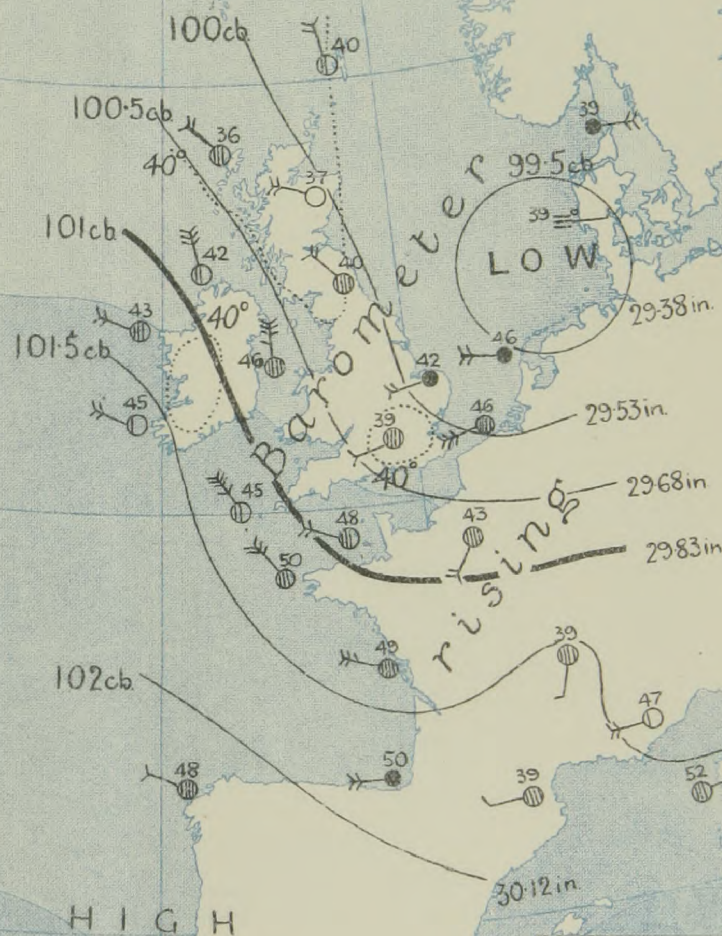
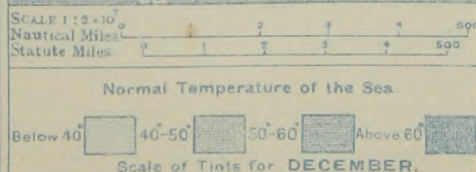


Inches.

31

30

29



EXPLANATION.

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

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

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

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

SEA DISTURBANCE.—Rough. High.

DAILY WEATHER REPORT.

Wednesday, 16th December, 1914.

REPORTS
FOR
YESTERDAY.

15th December 1914.

STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.											
	Barom.	Temp.	Wind.	Force	Weather.	Barometer.	Temp.	Wind.	Force	Dir.	Force	Dir.	Force	Dir.	Force	Dir.	Force
	Millibars at M.S.L.	°F.	Dir.	0-12.		Millibars at M.S.L.	°F.	Dir.	0-12.		°F.	Dir.	0-12.		°F.	Dir.	0-12.
Petrograd	1010.7	25	SE	2	s	1006.3	-2	32	+16	SE	2	-	0	*	3	41	16
Ushant	982.7	48	W	6	c	991.7	*	50	0	W	6	*	c	7	11	52	45
Belfort	991.5	41	ENE	3	b	999.7	*	41		W	4	*	r	*	12	43	39
Horta						1016.8	0	55	+2	NE	5	-	r	6	10	59	52

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot- land.	mm. & in.	° F.	° F.			Hr.	Tonbridge Wells ...	mm. & in.	° F.	° F.			Hr.
Banff ...	8	44	42	r	r	0.0	Margate ...	10	45	41	or	or	0.0
St. Andrews ...				*	*		Ramsgate ...	10	44	40	r	o	0.0
Engl. N.W.							Folkestone ...	15	45	42	or	r	1.2
Harrogate ...	0.3	43	37	o.c	o	0.0	Hastings ...	6	47	41	or	o	1.6
Scarborough ...	6	46	41	o.c	o	0.0	Bexhill-on-Sea ...	7	49	40	bc	bc	4.7
Skegness ...	12	43	37	r	r	0.0	Eastbourne ...	10	46	43	bc	bc	2.5
Engl. N.E.							Seaford ...	12	57	43	bc	bc	2.7
Morecambe ...	-	44	41	g	bc	0.1	Brighton ...	9	46	43	o.c	o.c	2.4
Blackpool ...	-	45	36	o.c	c	0.0	Worthing ...	11	45	41	bc	c	3.0
Southport ...	0.3	45	35	o.bc	c.o.bc.o	0.0	Littlehampton ...	11	49	42	c.bc.o	b.bc	2.5
Midlands.							Bognor ...	15	48	42	c.bc	b	2.7
Buxton ...	-	41	31	c.o	c.o	0.0	Southsea ...	-	47	42	c	bc.c	3.5
Leamington Spa ...	5	42	32	o.bc	bc	0.4	Bournemouth ...	-	48	40	c	bc.c	3.4
Malvern ...	0.3	42	37	c	c	0.1	Weymouth ...	10	48	40	cp.bc	c.bc	2.5
Ross-on-Wye ...	-	46	32	bc	b	2.9	Exmouth ...						
Wales.							Torquay ...	4	47	40	b	p.bc.c.o	1.5
Rhyl ...	0.3	45	35	o	c.o	0.0	Paignton ...	5	48	37	bm	cp.c	1.4
Colwyn Bay ...	-	45	36	bc	bc	0.0	Falmouth ...	5	48	40	p.bc.o	bc.p	1.4
Llandudno ...	0.3	45	37	o	o	0.0	Penzance ...	10	50	42	cr.bc	bc.p	2.2
Aberystwyth ...	1	46	34	no.c	c.om	0.3	Newquay ...	13	48	38	ogp	ogp	0.1
Tenby ...	0.3	44	30	bc	bc.o	4.3	Ilfracombe ...	1	48	35	c	c.or	0.5
Swansea ...	1	45	35	b	b.o	3.7	Weston-super-Mare ...	-	47	36	bc.b	bc.c	3.2
England, E.													
Cromer ...	15	43	39	o.c	o.cr	0.0							
Lowestoft ...	11	47	38	bc.c.o	or	0.3							
Felixstowe ...	7	42	38	cpf	or	0.0							
Walton-on-Naze ...	10	42	39	bc.mr	ogr.bc	0.0							
Southend-on-Sea ...	7	48	42	r.bc.r	r.o.bc	0.5							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	7 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.										
Greenwich (Royal Obs.) ...	86	83	0.0	44	37	32	1	or	or	o.b.c
City (Bunhill Row) ...	86	83	0.0	44	37	31	1	or	or	o.m
Westminster (St. James's Pk.)	84	87	0.0	44	37	31	1	or	o	o.m
Camden Sq. (Brit. Rainfall)	90	83	0.0	44	37	33	2	or	or	o
Hampstead (Reservoir) ...	89	89	0.0	44	35	24	2	or	or	o
Richmond Park	*	*								
Kew. (See front page.)										
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										
				Total.		Average Rate.		Max. Rate.		
				102 Joules		3.6 Milli-watts.		11 Milli-watts.		
(Greenwich and Camden Square air temperatures are in Galsier screens.)										
S. Kensington (Roof of M.O.)	84	78	0.0							

Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.		Sun- shine for Yester- day.
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
		Max.	Min.		After- noon.	
Dublin to 4 p.m.	mm. & in.	° F.	° F.			Hr.
Darwen to 9 p.m.	Trace	44	39	og	og	*
Manchester "	0.3	42	37	o.c.m	o.c.b	0.0
Birmingham "	2	41	26	r	o	0.0
Oxford to 8 p.m.	0					
Teignmouth to 9 p.m.	6	47	40	b.fr	f.b.bc	2.2
Plymouth "						
S. Kensington (Museum Grounds to 6 p.m.)	11	49	41	o.m.r.c	o.d.m	*

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

16th/17th December, 1914.	Sunrise.		Noon.		Sunset.	
	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.1	11.49	3.26			
Greenwich ...	8.2	11.49	3.26			
Wick ...	8.3	11.56	3.49			
Valencia ...	9.0	12.8	3.45			
	9.1	12.8	3.45			
	9.46	12.27	4.27			
	8.47	12.27	4.27			

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 45° over a large portion of the Kingdom, and very little bright sunshine was recorded except at a few stations in the south and at Castlebay. Rain fell very generally; 12 mm. at Blacksod Point and 13 mm. at Jersey.

NOTE.—The information relating to weather is indicated by the following letters—h. 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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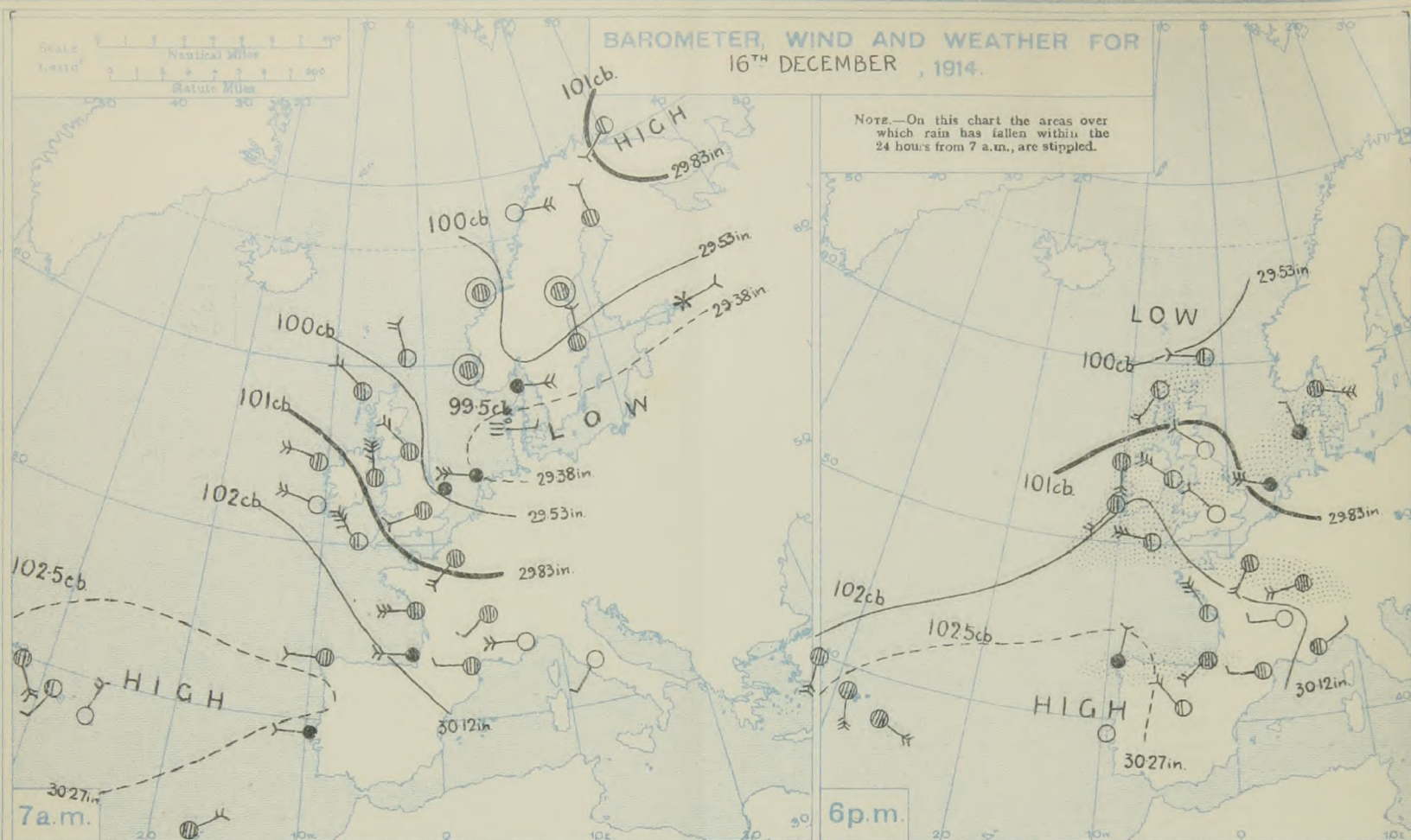
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 351.

Thursday
17th December 1914.

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 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick ...	1001.2	41	W	2	bom	996.9	-5	45	+5	S	4	-	r	4	4	45	35	bc	bc	o. cp	*
	Deerness ...	1004.0	36	W	3	cp	996.3	*	44	+7	SEW	4	S	b	5	7	45	35	bc. b	b. bc. cp	cp. bc. b	1.7
	Stornoway ...	1004.6	39	SW	3	bc	994.4	-1	48	+12	SW	6	-	adg	5	6	48	34	c. bcp	bcp	bc. adg	2.0
	Castlebay (Barra Isd.)	1005.8	47	SW	5	op	997.2	-2	49	+8	SW	6	-	r	6	5	49	40	b. op	op	op	1.0
	Glasgow ...	1010.4	41	SW	2	c	1005.5	-2	44	+9	SSW	4	-	org	*	4	44	34	b. bcp	uf. c	cp. op	2.9
	Eskdalemuir ...	1012.1	37	SW	2	o	1009.0	-2	42	+7	SSW	5	-	org	*	5	42	31	bc	bc	c. bc. or	4.2
	Malin Head ...	1010.9	44	W	5	bc	1001.2	-2	45	+3	SW	6	-	ond	7	2	46	40	bcp	bc	ond	2.0
	Markree Castle	1013.9	42	SE	1	o	1004.7	*	47	+5	S	6	-	o	*	3	*	*	bc	c. op	op	3.3
	Blacksod Point	1012.2	47	S	4	omp	?	-5	49	+6	SE	7	SW	op	6	1	50	43	bcp	omp	omp. om	*
	Valencia ...	1018.6	46	SW	3	c	1009.1	-20	49	+4	S	5	-	r	4	1	51	44	bc	cp	org	2.0
	Roche's Point	1020.2	44	NW	2	b	1014.3	*	50	+10	SW	4	-	o	4	0.2	50	39	b. bc	bc. b	b. bc. op	*
	Birr Castle ...	1016.9	43	W	1	r	1009.6	*	47	+11	S	5	-	o	*	1	47	35	bc	c. ad	ad. o	3.7
	Donaghadee	1012.2	42	WSW	4	bcg	1007.9	-2	45	+3	SW	4	-	ond	3	-	45	39	bcg	bcg	bc. omg	*
	Liverpool (Bidston)	1015.2	42	W	3	c	1014.4	-1	46	+3	SSW	3	W	o	3	1	46	40	bc	cm	o	1.4
	Holyhead ...	1015.5	46	NW	5	bc	1012.9	-2	48	+2	SW	6	-	adg	5	Trace	49	44	o. c. bc. o	c. bc	b. bc. c. o	4.1
	Pembroke (St. Ann's)	1019.1	47	W	5	b	1017.3	-1	49	+4	WSW	5	SW	cg	4	1	49	43	cg	bc	bc	4.5
	Scilly (St. Mar)'s)	1021.7	46	WNW	4	bc	1020.8	-2	50	+5	WSW	5	SW	bcg	6	0.2	50	44	bcp	bc	bcg. op	4.3
	Falmouth ...	1021.8	43	NW	3	b	1021.5	-2	47	+2	SW	3	-	bc	4	1	48	41	bc	bcp	bcp	4.5
	Jersey (St. Aubin)	1019.6	45	NW	3	b	1025.0	*	48	0	SW	3	-	b	3	1	51	40	op. c	c. bc	b	2.4
	Portland Bill ...	1019.0	45	NW	5	b	1022.5	+1	50	+5	WSW	5	SW	c	4	-	50	44	bc	bc	bc. c	*
	Dungeness ...	1015.1	40	WNW	2	bom	1021.8	+1	43	+3	W	3	W	c	3	-	45	36	bc	bom	b. bc. c	*
	Dover ...	1014.9	42	2	5	b	1022.1	0	40	0	W	3	-	o	3	-	44	35	b. bc	bc. b	bc. bc. o	1.5
	Wick ...	1005.3	35	WSW	3	b	997.7	-4	45	+9	SSW	4	-	bc	4	0.2	45	34	bc	bc. bom	bom. bcp	*
	Nairn ...	1006.5	35	-	0	bc	997.9	*	47	+11	W	4	-	cg	3	0.1	47	34	bc	d. c	bcg	3.4
	Aberdeen ...	1007.6	37	SW	3	b	1002.5	-2	45	+8	SSW	4	-	d	2	-	45	35	b. bc	bc. b	b. bc. o	3.9
	Leith ...	1010.6	40	WSW	2	b	1005.0	-1	47	+11	SW	3	-	c	*	-	48	36	bz. bc	bcg	bz	*
	Tynemouth ...	1011.3	38	NW	2	bom	1009.7	0	39	-1	SSW	4	-	cm	4	-	41	37	bom	bom	bom	*
	Spurn Head	1014.4	43	WNW	6	bc	1016.1	0	41	-2	WNW	5	-	cg	5	0.2	44	36	bcg	bcg	bom	2.4
	Yarmouth ...	1012.2	40	WNW	3	bom	1018.8	+1	38	-4	W	2	-	bc	1	1	44	32	or	o. bom	bc	0.0
	Clacton-on-Sea	1013.5	39	W	2	bom	1020.4	+1	39	-1	WSW	2	-	c	1	-	44	36	cm	c. bom	bc. bom. c	0.2
	Nottingham ...	1015.1	42	WNW	4	b	1017.4	*	41	-2	SW	2	SW	o	*	-	46	35	o. c. bom	bom	b	1.4
	Bath ...	1018.6	41	W	1	b	1020.6	?	44	+2	W	3	W	o	*	-	48	36	om. c. bc	bc. b	b. p. o. c	4.2
	London (Kew Obsy.)	1017.0	42	NW	2	b	1021.5	+1	39	0	SW	2	-	om	*	0.1	46	34	om. c. bc	bc. b	b. bc. om	2.6
ICELAND, FAEROE, &c.	Spitsbergen												*		*	*	*	*				
	Isafjord...												*		*	*	*	*				
	Reykjavik												*		*	*	*	*				
	Vestmanna												*		*	*	*	*				
	Seydisfjord												*		*	*	*	*				
	Thorshavn												*		*	*	*	*				
NORTHERN EUROPE.	Vardö ...															*						
	Bodö ...															*						
	Christiansund															*						
	Skudesnaes ..															*						
	Færder (Xiania Fjord)	1005.0	37	NE	2	o	1009.0	+2	37		SSW	1	-	o	1	-	37	28				
	The Scaw (Skagen)	1003.0	27	ESE	4	o	1010.0	+5	37	-2	-	0	-	c	3	Trace	41	36				
	Blaavands Huk	1002.9	41	NNW	1	r	1011.8	+5	41	+2	NNW	3	-	o	3	2	43	37				
	Haparanda ...															*						
	Hernösand ...															*						
	Stockholm ...															*						
FRANCE, &c.	Wisby ...															*						
	Karlstad ...															*						
	Petrograd (5 a.m. G.M.T.)															*						
	The Helder ...	1006.4	45	WNW	5	r	1019.1	+2	45	-1	W	3	-	c	4	3	46	45				
	Brussels ...	*	*	*	*	*										*						
	C. Gris Nez ...	1015.0	45	WNW	6	bc	1021.6	+1	46	+1	WNW	6	*	c	5	-	46	41				
	La Hève ...	1018.9	46	NW	4	r	1025.5	*	43	-3	SW	4	*	o	5	-	48	39				
	Ushant ...	1022.0	48	WNW	5	b	1024.7	*	50		W	5	*	o	4	-	50	43				
	Brest (St. Mathieu)	1023.4	46	NNW	4	o	1026.4	0	50	0	SW	4	*	o	3	-	50	45				
	Rochefort (Ile d'Aix)	1022.4	48	NW	5	bc	1029.5	+3	41	-8	E	1	*	bc	*	-	52	39				
SOUTHERN EUROPE.	Biarritz ...	1024.3	47	SW	3	o	1030.0	+2	45	-5	SSW	3	*	c	4	17	50	43				
	Paris ...	1016.6	45	WNW	2	c	1027.0	+3	32	-11	S	2	NW	b	*	Trace	48	32				
	Belfort ...	1017.6	40	WSW	4	o	1026.7	*	37		WSW	4	*	o	*	2	46	36				
	Lyons ...	1020.6	42	W	1	b	1028.7	*	40	+1	NW	1	*	o	*	-	50	38				
	Nice ...	1013.3	50	ENE	1	c	1020.8	+2	43	-4	-	0	*	b	3	-	55	39				
	Perpignan ...	1020.7	46	W	1	c	1028.2	+8	46	+7	NW	2	NW	c	*	-	52	39				
	Sanguinaire ...	*					*	*								*						
	Corunna (7 a.m.)	1028.4	50	NNE	2	r	1031.7	-1	45	-3	ENE	2	-	o	3	4	52	41				
	Madrid (8 a.m.)	1022.6	45	NW	3	bc	1034.4	+2	32		-	0	NW	b	*	?	48	30				
	Lisbon (9 a.m.)																					
Gibraltar ...																						
Rome ...																						
Azores (Horta, 8 a.m.)		1025.9	*	SSE	5	o																
	Madeira (Funchal)																					

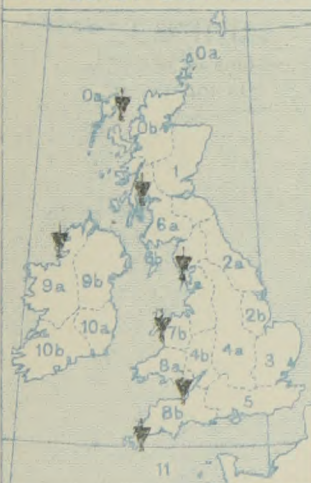
RAINFALL. Equivalents of Millimetres. in Inches.

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 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.

Cones Hoisted
at 8.5 a.m.

Western Channel and Bay 11

Southerly and South-Westerly winds, increasing considerably in force; very cloudy or overcast generally, showery or rainy; mild.

South-Westerly and Southerly winds, increasing in force; cloudy or overcast, some rain later; temperature rising.

Southerly and South-Westerly strong winds or gales; very cloudy or overcast generally, showery or rainy, some mist; mild.

Southerly and South-Westerly strong winds or gales, sea rough; rain at times, some mist.

FURTHER OUTLOOK.

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

W. N. SHAW, Director.

Millibars

1050

1040

1030

1020

1010

1000

990

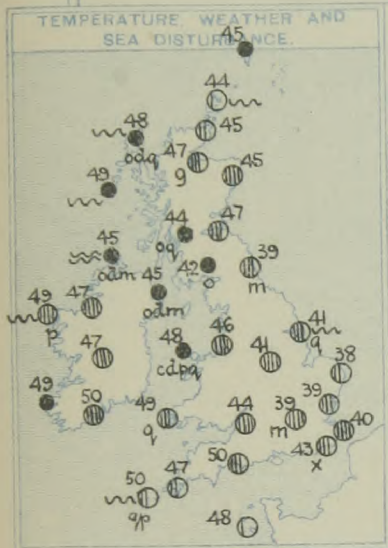
980

970

SYNOPTIC CHART FOR 7 a.m., THURSDAY, 17TH DECEMBER, 1914.

GENERAL INFERENCE.

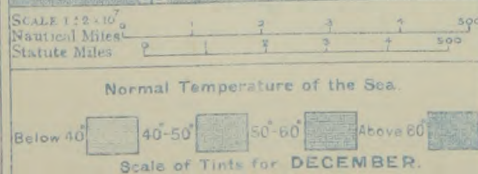
The depression in the west will extend over the whole Kingdom, and cause an increase in the force of the wind, and further rains.



Inches.
31

30

29



LOW

HIGH

EXPLANATION.

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

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

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

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

SEA DISTURBANCE.—Rough wavy line. High

DAILY WEATHER REPORT.

Thursday, 17th December, 1914.

REPORTS FOR YESTERDAY.

16th December 1914

STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.											
	Barom. Milli- bars at M.S.L.	Temp.	Wind.		Weather.	Barometer.		Temp.		Wind.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Multi metres.	Temp.	
			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.
Vardö	1003.5	27	W	5	g	1010.1	+2	25	-3	SW	2	-	bc	3	-	28	23
Bodö	1002.8	25	W	2	b	1004.2	0	28	+7	EW	4	-	b	2	-	28	21
Christiansund	994.1	27	W	0	b	997.6	+1	34	+4	-	0	-	b	4	-	27	20
Skudenesnes	991.5	46	W	4	o	997.3	+3	39	-2	-	0	-	o	2	-	46	29
Færder	996.6	37	ENE	11	o	1000.4	+5	37	0	WE	2	-	o	1	-	37	30
Häpörenda	1005.7	21	E	2	o	1009.5	+2	16	-7	WE	2	-	o	0	-	25	14
Härnösand	1002.7	30	-	0	o	1004.0	0	30	+2	-	0	-	o	0	-	30	28
Stockholm	997.2	37	ENE	2	m	997.6	0	36	-1	W	2	-	o	0	-	37	34
Wigby	993.6	39	NE	2	o	996.3	+1	37	-2	WNE	4	-	r	0	-	39	36
Karlstad	997.9	36	-	0	o	1001.0	+3	34	-2	-	0	-	o	0	-	36	34
Petrograd	1001.2	24	SE	2	f	995.8	+4	34	+2	E	2	-	s	0	-	24	32
Lisbon	1020.3	55	W	2	c	1024.3	+2	48	-6	W	2	-	r	2	-	55	46
Rome	1011.8	55	W	3	o	1017.1	+1	46	-	SW	1	-	b	0	-	55	46
Funchal	1019.1	61	SE	3	o	1022.6	+2	63	+4	ENE	3	NE	o	3	3	66	57

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. &	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. &	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.						° F.	° F.			
Scot- land.							(Tunbridge Wells ...	...	45	35	o.c.	c.b.c.b	1.1
Banff ...	2	38	37	bc	bc	2.3	Margate ...	...	46	40	o	o	0.0
St. Andrews ...	-	41	35	*	*	3.0	Ramsgate ...	...	43	37	bc	bc	0.6
Eng. N.E.							Folkestone ...	...	44	37	bc.f	bc.b	1.4
Harrogate ...	-	41	37	bc.b	b	4.4	Hastings ...	...	46	37	o	o.b.c.b	0.5
Scarborough ...	0.3	43	37	o	b	2.9	Bexhill-on-Sea ...	...	48	42	c	bc	2.9
Skegness ...	-	44	37	o	b	2.9	Eastbourne ...	...	47	40	c.b.c	bc.b	2.1
Eng. N.W.							Seaford ...	...	52	40	bc	bc	2
Morecambe ...	1	44	40	bc.b	b.b.c	4.2	Brighton ...	...	46	39	c.b.c	bc.c.b.c	1.6
Blackpool ...	-	45	42	c	c	2.9	Worthing ...	...	48	36	c	b	3.9
Southport ...	-	44	41	bc.c	bc.c.p.b	2.2	Littlehampton ...	...	48	36	b	b.b.c	5.1
Midlands.							Bognor ...	...	47	40	b.b.c	b	5.5
Buxton ...	-	40	34	bc	bc	2.9	Southsea ...	...	47	40	b.b.c	b	5.5
Leamington Spa ...	-	44	36	bc	c	0.1	Bournemouth ...	...	47	40	b.b.c	b	5.5
Malvern ...	-	45	40	c.b.c	bc.b	3.0	Weymouth ...	...	48	41	b	bc.b	5.4
Ross-on-Wye ...	-	47	38	bc	bc	2.7	Exmouth ...	...	47	40	bc	bc.b	5.6
Wales.							Torquay ...	...	47	40	bc	bc.b	5.6
Rhyl ...	3	40	35	c	c	0.2	Paignton ...	...	48	43	bc	bc.p	4.5
Colwyn Bay ...	3	44	42	r.o	c	0.8	Falmouth ...	...	48	44	bc	bc	5.5
Llandudno ...	2	46	42	c	c	1.6	Penzance ...	...	48	44	bc	bc	4.0
Aberystwyth ...	2	45	42	r.o.c	c.b.o	2.5	Newquay ...	...	46	44	c.p.b.g	bc.p	4.0
Tenby ...	4	45	31	bc	bc.o	5.9	Ilfracombe ...	...	49	45	o.c.b.c	bc.c	2.1
Swansea ...	4	47	37	c.b	b	3.9	Weston-super-Mare ...	...	47	41	bc.b	b.b.c	2.7
England, E.													
Cromer ...	1	45	41	o.c	o.c.b.c	0.0							
Lowestoft ...	4	45	39	o.c	c.b.c.b	0.0							
Felixstowe ...	0.3	45	38	emp	cm	0.3							
Walton-on-Naze ...	-	44	38	bc.m.c	c.b.c	0.0							
Southend-on-Sea ...	-	45	36	o	c.b.c.b	1.0							

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.	Rain- fall.		Fore- noon.	After- noon.	Night.			In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.				
24 HOURS ENDED 9 A.M. TO-DAY.																					
° F.	° F.	° F.	mm. §																		
Greenwich (Royal Obs.) ...	76	81	1.0	45	35	29	—	o bc	bc b	b c	Dublin to 4 p.m.	mm §	° F.	° F.	F.				Hr.		
City (Bunhill Row) ...	*	*	0.6	*	*	*	*	*	*	*	Darwen to 9 p.m.	0.3	43	36	35	p.a.c.b	bc	bc	*		
Westminster (St. James's Pk.)	77	98	1.5	46	34	29	—	cme	om b	b. o	Manchester "	1	41	34	30	bcr	bc	bc.p	3.2		
Camden Sq. (Brit. Rainfall)	77	87	2.5	45	34	30	—	o. bc	bc. b	*	Birmingham "	Trace	45	39	*	c	c	c. od	0.9		
Hampstead (Reservoir) ...	*	90	3.1	44	33	21	—	bc. o	bc	c	Oxford to 8 p.m.	—	43	27	33	o	c	c. b	0.8		
Richmond Park	...		2.1	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										*	*	*	*	*	*	*	
Kew. (See front page.)														2	47	39	36	or. bc	b	b. bc. b	5.5
(Greenwich and Camden Square air temperatures are in Glaisher screens.)														"							
S. Kensington (Roof of M.O.)	75	81	2.7	Total.		Average Rate.		Max. Rate.													
				179 Joules		6.4 Milliwatts.		16 Milliwatts.													

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

17th December 1914.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.2	11.49	2.36
Greenwich ...	8.3	11.50	2.37
Wick ...	9.1	12.9	3.16
Valencia ...	8.47	12.37	4.27

NOTES ON YESTERDAY'S WEATHER.

Slight rain fell in some western and northern districts, but over the greater part of the Kingdom the weather was fair. Temperature rose to 45° or above in many English and Irish localities.

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

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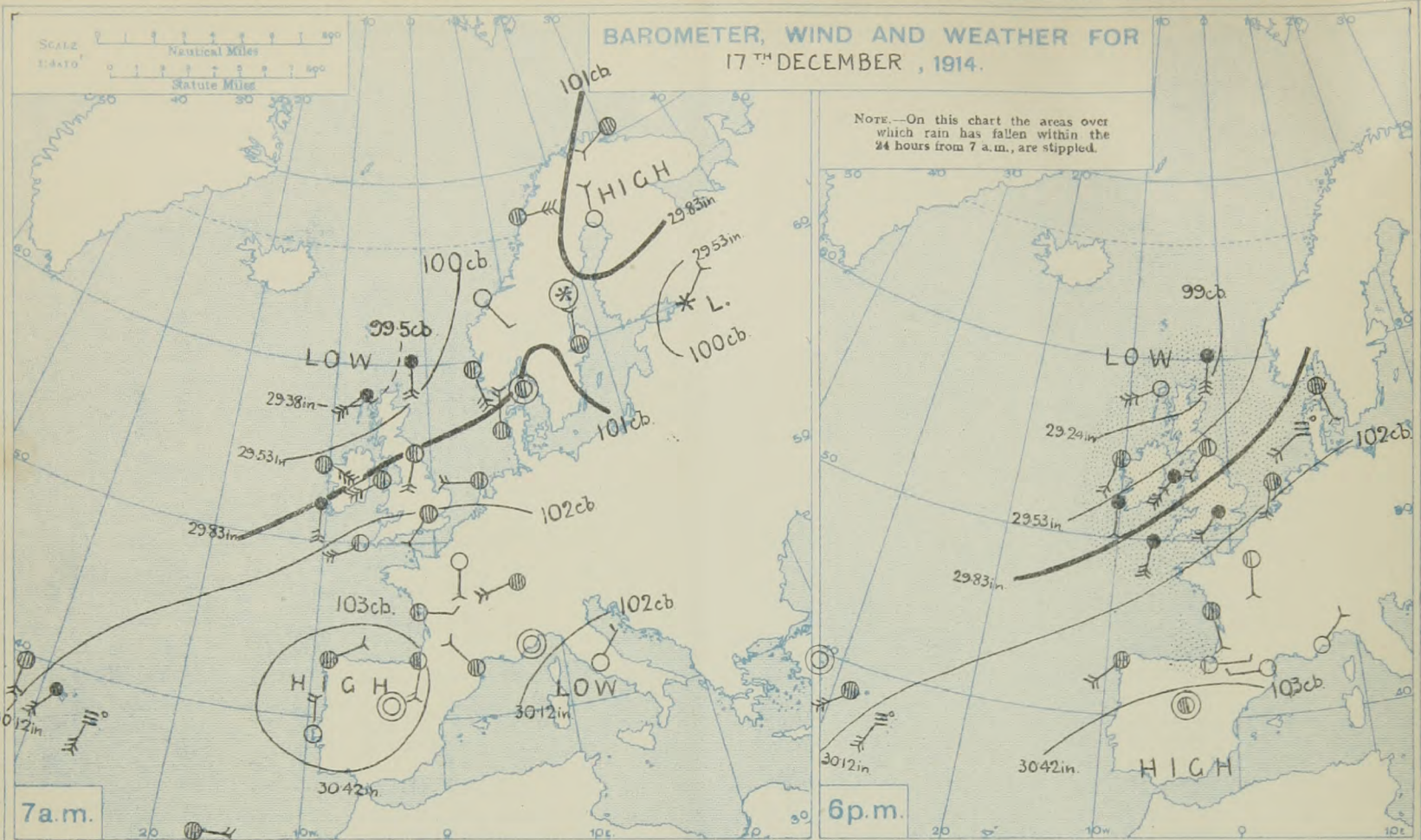
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 352.

Friday,
18th December, 1914

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP. ° F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea U-V.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
			° F.				° F.	° F.								° F.	° F.				Hours.	
BRITISH ISLANDS.	Lerwick ...	989.7	47	SSW	4	omp	990.0	0	44	-1	S	3	-	b	3	4	47	42	omp	omd	bcp	*
	Deerness ...	988.1	45	S	6	b	989.8	*	43	-1	S	4	S	bce	4	4	46	37	bc, or	r. c. b	b. p. c. bc	0.0
	Stornoway ...	986.7	45	WSW	6	b	988.2	-2	39	-9	SW	3	-	bc	3	10	49	39	o. drq	o. drq, b	bcq, p	0.0
	Castlebay (Barra Isd.)	990.6	47	SW	6	op	989.6	0	45	-4	SW	4	-	b	5	5	51	42	rq	rq, op	op, bcp	0.0
	Glasgow ...	995.7	47	SSW	6	r	994.4	-1	43	-1	SSW	4	SW	b	*	6	48	42	o. drq	oq	oq, b	0.0
	Eskdalemuir ...	999.7	44	SSW	7	or	996.0	-1	40	-2	SW	4	-	b	*	32	47	40	or	or	or, c. bc	0.0
	Malin Head ...	994.0	46	W	6	cmq	992.6	+1	43	-2	WSW	4	SW	bcq, p	5	2	47	42	ca	cmq, p	bcq, p	0.0
	Markree Castle ...	997.9	47	S	1	b	994.9	*	41	-6	S	1	-	bc	*	6	*	*	oq	or, c	op, c	0.0
	Blacksod Point ...	997.9	47	SSW	4	cm	994.0	+2	43	-6	W	4	W	omr	4	10	50	41	or	bc, m	bc, m, r	*
	Valencia ...	1001.3	49	S	2	r	997.6	-1	47	-2	SW	3	-	chp	4	17	51	46	omd	omr	cp	0.0
	Roche's Point ...	1004.8	50	SSW	8	r	1000.2	*	45	-5	WSW	3	W	b	5	14	50	43	r	r	r, b	*
	Birr Castle ...	1000.8	48	SW	2	r	997.3	*	40	-7	SW	2	-	bc	*	7	50	39	or	or	ad, bc	0.0
	Donaghadee ...	997.2	49	SW	4	ogmpq	995.3	0	41	-4	SW	3	-	bc	3	1	49	40	ogmpq	ogmpq	c. bc, l	*
	Liverpool (Bldston)	1006.9	49	SSW	4	o	998.8	-1	48	+2	WSW	3	-	r	3	7	50	46	o. cq	oq	or	0.0
	Holyhead ...	1003.8	50	SW	8	orq, m	998.2	0	46	-2	WSW	3	-	b	3	17	51	45	op, o. drq	op, or, m	or, c. bc	0.0
	Pembroke (St. Ann's)	1008.6	48	SSW	8	r	1000.9	0	49	0	WSW	4	SW	bcq	6	17	51	45	cq	cq, p	ogmr	0.0
	Scilly (St. Mary's)	1013.4	50	SSW	6	omd	1002.4	0	49	-1	W	4	W	op	6	10	51	48	om	omd	omr, cp	0.0
	Falmouth ...	1015.1	48	SW	6	r	1002.7	-2	49	+2	SW	4	-	or	6	29	51	46	oq	oq	rq	0.0
	Jersey (St. Aubin)	1024.8	49	SW	3	c	1010.8	*	49	+1	SSW	4	-	gr	4	4	50	47	c. o.	c. o. bc	o. b. oq	0.7
	Portland Bill ...	1017.1	48	SW	6	cd	1005.1	-5	47	-3	SSW	8	-	or	6	6	50	46	cp	cd, b	c. or	*
	Dungeness ...	1019.4	49	W	4	c	1009.8	-3	48	+5	SE	7	SW	orq	6	1	50	39	bcp	bc	bc, or	*
	Dover ...	1019.9	47	SW	5	b	1010.0	-3	46	+6	SW	8	SW	or	6	1	49	39	c	bc	bc, or	0.7
Wick ...	989.7	46	S	4	o	991.1	-2	43	-2	SSW	3	-	bc	3	1	46	38	om	omq	omp, bc	*	
Nairn ...	989.8	48	WSW	5	bcq	990.9	*	36	-11	-	0	-	bc	1	2	48	34	ca	caq	cp	0.2	
Aberdeen ...	994.6	47	SSW	5	od	993.1	-3	43	-2	S	3	-	c	2	Trace	49	39	o	od	ad, bc	0.0	
Leith ...	997.6	50	SW	3	r	994.3	-1	45	-2	SW	2	-	b	*	1	51	43	c. o.	op	d	*	
Tynemouth ...	1003.6	47	SW	3	cm	996.1	-3	48	+9	SSE	3	-	omr	3	1	49	45	bc, m	bc, m	om	*	
Spurn Head ...	1010.7	44	S	5	o	1000.2	-3	45	+4	S	6	-	orq	5	0.4	45	40	c	c, oq	or	0.0	
Yarmouth ...	1016.1	45	S	3	c	1007.3	-5	46	+8	S	4	S	or	2	1	47	38	bc, c	c	c, or	0.0	
Clacton-on-Sea ...	1017.6	46	SSW	3	c	1008.7	-4	46	+7	S	4	-	ogd	3	0.3	47	38	c	c	c, ogd	0.2	
Nottingham ...	1011.1	48	SW	5	r	1000.5	*	49	+8	S	5	S	r	*	3	49	40	o	op	op	0.0	
Bath ...	1015.6	49	SW	5	r	1003.4	*	51	+7	SW	6	S	r	*	4	52	43	c. c	ogq	ogq	0.0	
London (Kew Obsy)	1017.5	47	SW	3	od	1006.8	-5	48	+9	SSW	6	SW	ogq	*	2	49	39	om, o. c. d	o. od	od, orq	0.6	
ICELAND, FAEROE, &c.	Spitsbergen ...												*	*	*	*	*	GALES.				
	Isafjord ...												*	*	*	*	*	Duration and Extreme Force in British Islands.				
	Reykjavik ...												*	*	*	*	*	Stornoway				
	Vestmanna ...												*	*	*	*	*	17th 11pm S 8				
	Seydisfjord ...												*	*	*	*	*	Glasgow				
	Thorshavn ...												*	*	*	*	*	17th 5pm gust SSW 8				
NORTHERN EUROPE.	Vardö ...												*	*	*	*	*	Blackrod Point				
	Bodö ...												*	*	*	*	*	17th 10am-2pm SSW 8				
	Christiansund ...												*	*	*	*	*	Roche's Point				
	Skudesnaes ...												*	*	*	*	*	17th 11am-7pm SSW 8				
	Færder (X'ania Fjord)												*	*	*	*	*	Holyhead				
	The Scaw (Skagen)	1011.4	39	SSE	2	o	1006.3	-2	41	+4	SSW	5	-	r	4	Trace	43	36	17th during afternoon SW 8			
	Blaavands Huk	1013.9	45	SW	4	m	1009.3	-3	45	+4	WSW	4	-	r	5	Trace	45	39	gust SW 25mps			
	Haparanda ...												*	*	*	*	*	Pembroke				
	Hernösand ...												*	*	*	*	*	17th 3pm-18th 4am SSW 8				
	Stockholm ...												*	*	*	*	*	Portland Bill				
Wisby ...												*	*	*	*	*	18th 11am-7am SSW 8					
Karlstad ...												*	*	*	*	*	Dover					
Petrograd (5 a.m. G.M.T.)												*	*	*	*	*	18th 7am SW 8					
FRANCE, &c.	The Helder ...	1018.3	46	SSW	4	o	1011.8	-5	43	-2	S	7	-	o	4	-	46	43	Eskdalemuir			
	Brussels ...	*	*	*	*	*							*	*	*	*	*	17th 5pm SSW 8				
	C. Gris Nez ...	1019.8	47	SW	6	o	1012.2	-4	44	-2	SSW	7	*	r	6	1	50	43				
	La Hève ...	1024.0	44	SSW	5	o	1014.1	*	45	+2	SSW	6	*	o	6	-	48	43				
	Ushant ...	1016.7	51	SW	6	o	1005.9	*	52	+2	SSW	6	*	f	7	2	52	48				
	Brest (St. Mathieu)	1021.1	50	SW	4	o	1007.8	-6	52	+2	S	6	*	f	5	2	55	50				
	Rochefort (Île d'Aix)	1027.8	46	SSE	2	o	1019.7	-2	46	+5	S	3	*	o	*	-	50	39				
	Biarritz ...	1028.7	47	E	1	b	1022.0	-3	47	+2	SE	3	*	c	3	4	50	43				
	Paris ...	1026.9	39	S	2	b	1020.4	-2	37	+5	S	2	-	o	*	-	46	32				
	Belfort ...												*	*	*	*	*					
Lyons † ...	1030.0	39	W	3	c	1026.0	*	32	-8	NW	1	*	f	*	-	44	31					
Nice ...	1022.6	46	NE	2	b	1023.7	0	43	0	E	2	*	c	3	-	55	39					
Perpignan ...	1028.2	46	W	1	b	1023.9	-3	37	-9	SW	1	SW	o	*	-	52	34					
Sanguinaire ...	1019.9	54	N	2	b	1020.4	*	50	+2	E	3	*	b	4	-	63	40					
SOUTHERN EUROPE.	Corunna (7 a.m.)	1028.4	50	SW	4	o	1019.8	-5	52	+7	SSW	6	-	o	4	-	52	46				
	Madrid (8 a.m.)	1031.9	43	-	0	c	1031.0	+4	32	0	-	0	-	b	*	-	43	30				
	Lisbon (9 a.m.)																					
	Gibraltar ...																					
Rome ...																						
AZORES &c.	Azores (Horta, 8 a.m.)	1020.3	*	SW	5	o																
	Madeira (Funchal)																					

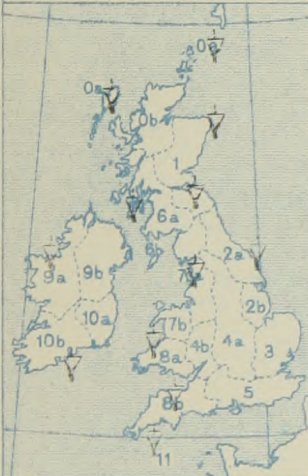
* Information for these columns not usually received.

† Received too late for insertion in Charts.



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.

Cones Hoisted at 8.5 a.m. and 2.20 p.m.

Western Channel and Bay

0 { a } Wind between South and West, moderate or light, fresh
b } at times; weather variable, some showers or rainy periods;
1 { moderately mild.

2 { a } Wind veering to the South-Westward and decreasing in
b } force; rainy, then fairer, some showers; rather mild.
3 {

4 { a } South-Westerly to Westerly winds, moderate or light,
b } stronger at times; weather variable, some showers or rainy
5 { periods; moderately mild.
6 {
7 { a }
b }
8 { a }
b }

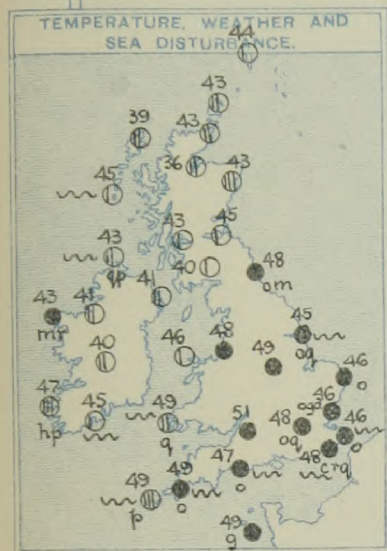
9 { a } Wind between South and West, force variable;
b } changeable, some rain, fair intervals; moderate temperature
10 { a } Westerly and South-Westerly winds, moderate to fresh
b } or strong; sea rough or rather so, changeable, some
11 { showers.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., FRIDAY, 18TH DECEMBER, 1914.

GENERAL INFERENCE.

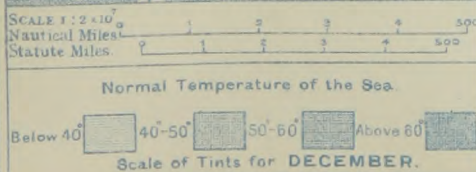
Local irregularities of pressure are likely to pass across the United Kingdom from the westward.



Inches
31

30

29



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. ⚡ thunder.
⚡ thunderstorm.

SEA DISTURBANCE.—Rough. High.

DAILY WEATHER REPORT.

Friday, 18th December, 1914.

REPORTS

FOR
YESTERDAY.

17th December 1914.

STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.												Rain-fall.		TEMP.	
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer.		Temp. Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.					
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.			Direc.	Force 0-12.					Max.	Min.				
Vardö	1014.0	23	WSE	2	bc	1014.1	-1	21	-4	SW	2	-	o	3	*	25	21				
Bodo	1003.9	30	E	4	bc	1001.6	-2	34	+6	E	1	-	o	2	*	34	27				
Christiansund	1003.9	30	SE	4	bc	1002.4	-0	37	+3	SE	1	-	o	2	*	34	27				
Skudesnes	1003.8	30	S	4	bc	1003.9	+0	37	+2	SSE	5	-	o	3	*	43	37				
Hopland	1003.7	16	S	4	bc	1013.9	+2	37	-7	N	2	-	b	4	*	18	3				
Hornøya	1003.6	28	NE	4	bc	1009.2	+2	37	-3	N	0	-	bc	3	*	32	25				
Stockholm	1003.6	32	NNW	4	bc	1007.1	+4	32	-4	NNW	2	-	o	3	*	37	30				
Widby	999.3	34	NNE	4	bc	1006.7	+5	37	0	N	4	-	o	4	*	37	34				
Karlstad	1004.0	34	-	0	o	1010.4	+6	32	-2	-	0	-	o	*	1	36	30				
Petrograd	993.2	34	E	1	S	996.3	+2	30	-4	NE	2	-	S	*	10	34	30				
Sanguinire	*	54	S	2	o	*	*	48	-4	E	3	*	bc	4	*	61	43				
Lisbon	1028.3	50	NNW	4	bc	1031.1	+2	43	-5	N	3	-	b	5	*	55	43				
Rome	1018.0	52	S	1	r	1017.7	0	48	+2	NE	1	-	b	*	11	57	46				
Horta	*	*	*	*	*	1023.3	+2	60	+7	SW	5	-	r	4	*	60	53				
Funchal	1025.9	63	E	3	o	1027.4	0	59	-4	E	3	E	o	3	*	68	59				

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot- land.													
Oban ...	...	47	35	o	o	0.0	Tunbridge Wells ...	...	49	32	m.c.bc	c.o	0.7
Banff ...	...	47	35	o	o	0.0	Margate ...	...	50	37	c	c	0.7
St. Andrews ...	...	47	35	o	o	0.0	Ramsgate ...	...	47	38	bc	c	0.5
Eng. N.E.							Folkestone ...	...	50	35	of.bc.o	o.c.o	1.6
Harrogate ...	1	47	35	c.o	or	0.0	Hastings ...	...	49	34	o.bc	op	1.1
Scarborough ...	4	46	36	o	o	0.0	Bexhill-on-Sea ...	...	49	37	c	c.o	2.1
Skegness ...	1	46	34	o	o	0.0	Eastbourne ...	...	50	38	o.c	bc	1.0
Eng. N.W.							Seaford ...	...	50	37	bc	c	1.2
Morecambe ...	6	48	42	od	r	0.0	Brighton ...	...	50	34	cm.c.bc	c.bc.c.o	1.2
Blackpool ...	...	48	43	o.c.o	or	0.0	Worthing ...	...	49	33	c	ce	0.3
Southport ...	1	48	43	o.c.o	or	0.0	Littlehampton ...	...	49	34	c.bc	o	0.6
Midlands.							Bognor ...	...	50	35	c	op	0.6
Buxton ...	0.3	44	36	c.b	cr	0.0	Southsea ...	...	50	38	bc.c	c	0.6
Leamington Spa ...	...	48	34	c	c	0.0	Bournemouth ...	...	50	37	c.o	cr.o	0.5
Malvern ...	...	47	37	bc	bc	0.0	Weymouth ...	...	51	39	c	cp	0.0
Ross-on-Wye ...	1	49	37	bc.o	oe	0.0	Exmouth ...	...	50	38	c	p.o	0.0
Wales.							Torquay ...	...	50	38	c	p.o	0.0
Rhyl ...	2	50	39	bc	cr	0.0	Paignton ...	...	50	41	og	og	0.0
Colwyn Bay ...	4	49	41	bc	cr	0.0	Falmouth ...	...	51	42	c	or	0.0
Llandudno ...	4	51	43	or	or	0.0	Penzance ...	...	51	44	o	op	0.0
Aberystwyth ...	1	50	45	r.o.c	c.or	0.0	Newquay ...	...	50	44	o	op	0.0
Tenby ...	2	50	39	bc.o	or	0.0	Ilfracombe ...	...	50	45	o	oe.r	0.0
Swansea ...	4	50	40	u	cp.r	0.0	Weston-super-Mare ...	...	50	45	o	oe.r	0.0
England, E.													
Cromer ...	...	45	37	bc	o.c	0.5							
Lowestoft ...	...	46	35	bc.c.o	o	0.2							
Felixstowe ...	...	46	35	cm	c	0.1							
Walton-on-Naze ...	...	47	35	c.bc.c	c	0.3							
Southend-on-Sea ...	...	48	35	o.c.bc	bc.o	0.3							

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.	
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.		
				Max.	Min.								Max.	Min.						
24 HOURS ENDED 9 A.M. TO-DAY.																				
	%	%	Hr.	° F.	° F.	° F.	mm. §						mm. §	° F.	° F.	F.				Hr.
Greenwich (Royal Obs.) ...	81	97	1.0	51	44	40	3	c	c.o.p	op.r			1	50	44	43	c.o.g	og	og	*
City (Bunhill Row) ...	*	*	0.2	*	*	*	*	*	*	*			5	47	38	35	aur	on	on	0.0
Westminster (St. James's Pk.)	77	88	0.7	51	43	38	4	o	o.gr	r			2	49	39	*	op	o	or	0.0
Camden Sq. (Brit. Rainfall)	79	92	0.4	49	43	44	4	o.bc	o	*			-	46	36	33	o	o	o	0.0
Hampstead (Reservoir) ...	*	91	0.6	47	40	33	4	op	c	c.or			*	48	25	28	b.c.bc	c.o	o	*
Richmond Park	*	*	1.1																	
Kew. (See front page.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																
				Total.		Average Rate.		Max. Rate.												
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				237	Joules	3.5	Milliwatts.	22	Milliwatts.											
S. Kensington (Roof of M.O.)	75	87	1.0										Trace.	50	36	27	b.g.b	bc.o	o.g.o	*

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

18th & 19th December, 1914.	Sunrise.		Noon.		Sunset.	
	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.3	11.50	3.37	8.3	11.50	3.37
Greenwich ...	8.4	11.57	3.50	8.4	11.57	3.50
Wick ...	9.2	12.9	3.16	9.2	12.9	3.16
Valencia ...	8.48	12.28	4.28	8.48	12.28	4.28

NOTES ON YESTERDAY'S WEATHER.

Rain fell very generally - heavily in several western and north-western districts; 32 mm. at Eskdalemuir. Southerly or South-Westerly gales were experienced on many parts of our western, south-western and southern coasts

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.

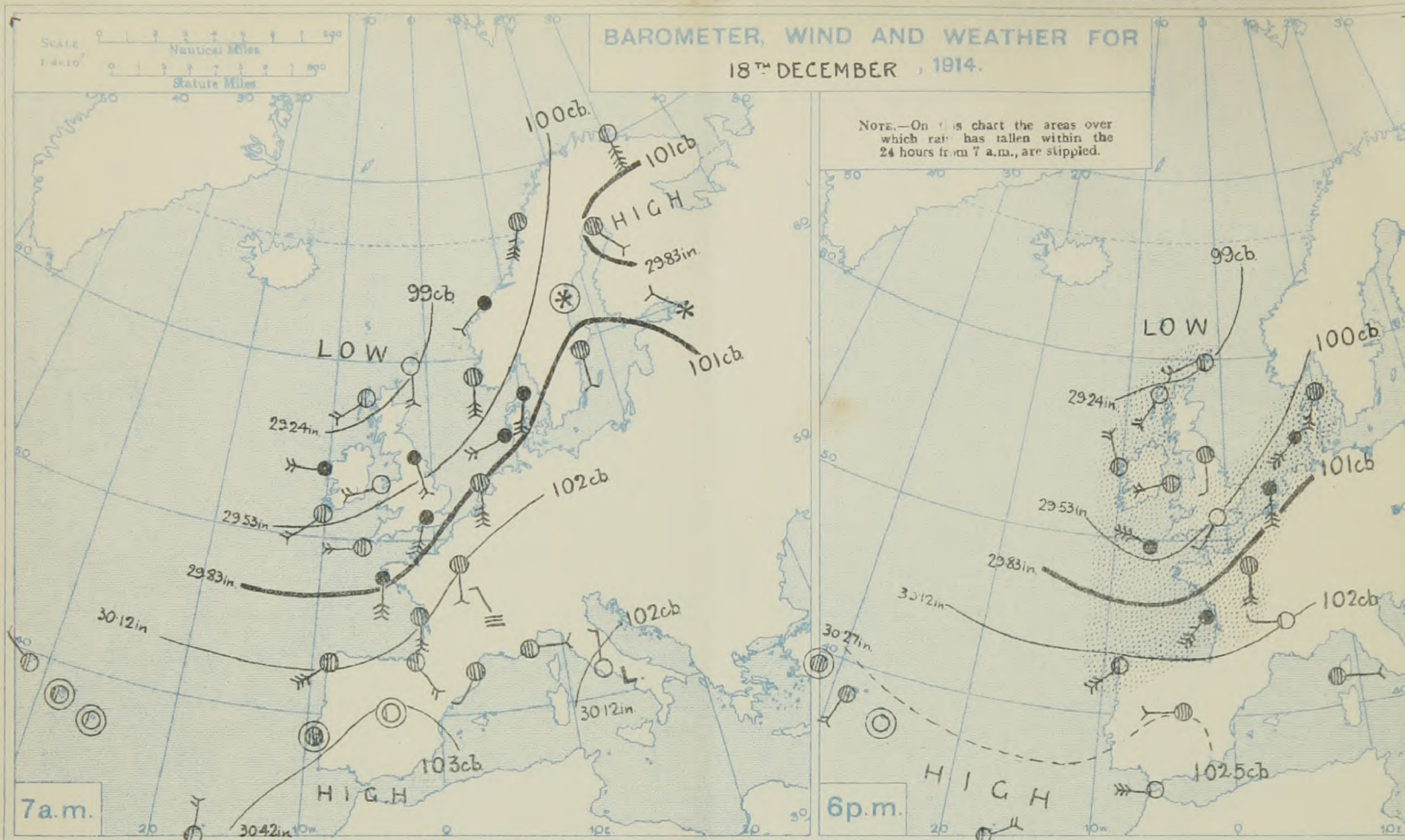
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DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yes- ter- day.
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.							Max.	Min.	Morning.	Afternoon.	Night.	
			° F.				°	° F.	° F.							° F.	° F.				Hours.	
BRITISH ISLANDS.	Lerwick	989.5	42	WSW	3	bc	992.0	+1	38	-6	SW	2	-	b	2	1	45	37	bc	bc	bcp	*
	Deerness	990.8	39	SSW	3	b	992.5	*	36	-7	SSW	1	-	bx	3	-	45	35	bc.b	b.bc.b	b	1.5
	Stornoway	990.4	38	SW	3	b	991.3	0	32	-7	-	0	-	b	0	1	42	32	bc.b	b.p	b.p.b	2.3
	Castletay (Barra Isd.)	991.4	43	WSW	3	b	991.3	0	44	-1	SW	4	SW	bc	4	2	46	40	bc	b.c.p.b	bc	2.6
	Glasgow	994.4	40	W	2	o	995.4	0	32	-11	SSE	1	-	b	*	0.4	44	31	b.c.p	c.o	c.b.c.bf	0.6
	Eskdalemuir	995.2	39	S	2	omd	996.6	0	25	-15	-	0	-	b	*	1	43	24	b.c.p.c	cp	bc.bcl	0.0
	Malin Head	994.6	38	SSW	4	bcg/p	993.2	-1	35	-8	S	2	-	bc	3	4	45	34	b.c.p	b.c.p	bc	2.0
	Markree Castle	996.6	35	SSW	3	T	993.9	*	31	-10	SSE	2	-	c	*	3	*	*	c.o.p	bc	b.c.c.o	0.8
	Blacksod Point	995.8	44	WNW	3	bcp	991.6	-3	38	-5	SSE	3	S	op	3	2	44	37	bcp	bcp	bcp	*
	Valencia	999.3	43	W	3	c	993.5	-5	42	-5	SW	3	-	r	4	7	47	39	b.c.p	c.p.h	cp	2.8
	Roche's Point	1000.1	42	WNW	2	b	995.8	*	41	-4	WNW	3	W	b	4	3	48	38	cp	c.b.c.b	b.bcp	*
	Birr Castle	997.9	36	SSW	2	m	994.0	*	34	-6	S	1	-	o	*	2	43	31	d.o.or	or.c.p.f	ex.o	0.8
	Donaghadee	994.9	41	W	3	cm.	994.1	-1	31	-10	W	3	-	bmx	2	0.1	43	30	omf	cmf	bmx.bmx	*
	Liverpool (Bidston)	996.5	44	SSW	1	o	997.6	0	37	-11	SW	2	-	b	2	2	48	36	b	op	or.b	4.4
	Holyhead	995.4	46	WSW	3	cmg	996.1	-2	40	-6	W	3	-	bc	2	5	50	40	b.b.c.p	cp.c.p.c	cp.b.c	2.1
	Pembroke (St. Ann's)	997.6	47	W	4	c	996.7	-5	49	0	SW	5	SW	ogp	5	5	50	43	b.c.p	cp	cp	1.6
	Scilly (St. Mary's)	999.3	43	WNW	6	or	999.1	-5	49	0	WSW	7	W	b.c.p	6	7	52	42	c.p.p	pa	c.p.p.g.l	2.9
	Falmouth	999.7	44	W	3	bc	999.6	-5	47	-2	SW	6	-	o	6	8	52	40	bc	c.or	ogp	3.5
	Jersey (St. Aubin)	1003.8	50	WSW	3	b	1006.5	*	48	-1	SSW	4	S	o	4	12	51	44	ogm.r	ogm.c.b	ogp.op	0.1
	Portland Bill	999.9	50	SSW	4	op	1001.9	-1	49	+2	WSW	5	SW	cu	5	27	52	45	or.b.c	bc.c	or.c.p	*
Dungeness	1000.7	49	SSW	9	og	1003.1	+5	43	-5	W	4	W	b	3	13	50	40	ogp	og	og.b.c.b	*	
Dover	1002.0	48	SSW	8	o	1003.9	+6	40	-6	WSW	5	W	bc	4	7	49	39	or	op.r.c	or.o.b.c	0.0	
ICELAND, FAEROE, &c.	Wick	991.5	37	SW	3	bc	993.1	+1	35	-8	SW	1	-	b	2	-	44	31	bc	b.c.m	b.c.x.b.m	*
	Nairn	992.8	36	WSW	1	bc	993.5	*	30	-6	-	0	-	b	1	-	41	29	b.c.c	cu	b.c.c	1.7
	Aberdeen	993.2	40	SSW	2	cg	993.9	0	32	-11	WSW	1	-	b	2	-	44	30	c.b.g	b.b.g	c.b.g	2.9
	Leith	994.9	43	WSW	1	o	994.7	0	36	-9	W	1	-	b	*	-	46	35	Bbc	c	b.c	*
	Tynemouth	995.4	43	S	1	om	995.0	0	36	-12	WNW	3	-	b.m	2	-	48	36	b.m	b.m	b.c.m	*
	Spurn Head	999.0	44	SSW	3	bc	995.9	+1	41	-4	WSW	6	-	og	5	7	46	38	og	bc	bc.or	1.4
	Yarmouth	999.8	48	SW	3	om	997.3	+3	41	-5	W	4	W	c	3	12	48	?	omr	om	or.c	0.0
	Clacton-on Sea	1000.6	47	S	3	og	1000.9	+6	40	-6	WNW	3	-	b	2	8	47	39	ogp	ogp.og	bc.or.b	0.0
	Nottingham	998.4	44	SW	1	c	998.5	*	36	-13	W	2	-	b	*	17	50	35	r.o.c.b.m	b.m.c	c.or	2.6
	Bath	999.3	45	SW	2	b	1001.0	*	40	-11	SW	2	SW	c	*	16	52	36	ogp.c	o.c.b.c	r.c.o	3.2
London (Kew Obsy.)	1000.9	44	SW	1	bwm	1002.5	+4	39	-9	SW	3	-	b	*	7	50	39	ogp.or	or.c.m.b.fur	b.fur.b.c.m.b	0.0	
NORTHERN EUROPE.	Spitsbergen												*	*	*				GALES.			
	Isafjord...												*	*	*				Duration and Extreme Force			
	Reykjavik												*	*	*				in British Islands.			
	Vestmanna												*	*	*				Portland Bill.			
	Seydisfjord												*	*	*				18th 7 a.m.-10 a.m. SSW 8.			
	Thorshavn												*	*	*				Dungeness			
	Vardö												*						18th 8 a.m.-Midf. SW 8			
	Bodö												*						Ex. SW 9 @ 6 p.m.			
	Christiansund												*						Dover			
	Skudesnaes												*						18th 7 a.m.-6 p.m. SW 8			
FRANCE, &c.	Færder (Xlaola Fjord)												*						Ex. SW 9 @ 3 p.m.			
	The Scaw (Skagen)	1002.3	41	SSW	5	o	999.3	-1	39	-2	SSW	5	-	r	4	9	43	39				
	Blaavands Huk	1004.0	43	SW	6	r	997.2	-4	41	-4	S	5	-	r	?	6	45	39				
	Haparanda												*									
	Hernösand												*									
	Stockholm												*									
	Wisby												*									
	Karlstad												*									
	Petrograd (5 a.m. G.M.T.)												*									
	The Helder	1003.9	41	S	7	r	993.1	-5	43	0	SSW	7	-	o	5	7	45	41				
SOUTHERN EUROPE.	Brussels	*	*	*	*	*							*									
	C. Gris Nez	1002.9	46	SSW	7	r	1002.9	+6	45	+1	W	7	*	b	6	9	48	44				
	La Hève	1004.6	46	S	6	r	1006.9	*	45	0	SW	5	*	bc	5	2	48	41				
	Ushant												*									
	Brest (St. Mathieu)	1004.8	51	WSW	5	r	1007.3	-1	50	-2	W	5	*	o	5	2	54	48				
	Rochefort (Ile d'Aix)	1012.8	48	SW	7	r	1016.2	+2	50	+4	WSW	5	*	o	*	6	54	39				
	Biarritz												*									
	Paris	1010.9	45	SSW	5	o	1010.7	+5	41	+4	SSW	2	-	b	*	4	45	37				
	Belfort												*									
	Lyons	1020.0	36	W	1	b	1020.7	*	39	+7	S	1	*	b	*	1	43	32				
Nice												*										
Perpignan												*										
Sanguinaire	1021.7	53	E	2	o	1017.7	*	50	0	E	2	*	c	3	-	61	46					
SOUTHERN EUROPE.	Corunna (7 a.m.)	1021.2	55	SW	5	bc	1019.4	-4	50	-2	SW	3	-	o	5	1	57	50				
	Madrid (8 a.m.)	1026.6	43	W	2	o	1028.2	0	37	+5	-	0	-	f	*	-	45	34				
	Lisbon (9 a.m.)																					
	Gibraltar	1027.1	52	W	6	b	1025.0	*	52		W	5	-	b	1	-	62	51				
	Rome																					
	Azores (Horta, 8 a.m.)	1026.3	*	SSW	3	c	1024.4	0	61	+4	SW	4	-	o	3	-	61	57				
	Madeira (Funchal)	1029.1	61	ENE	3	bc	1029.0	0	55	-2	NNE	2	N	bc	2	-	64	55				

* Information for these columns not usually received.

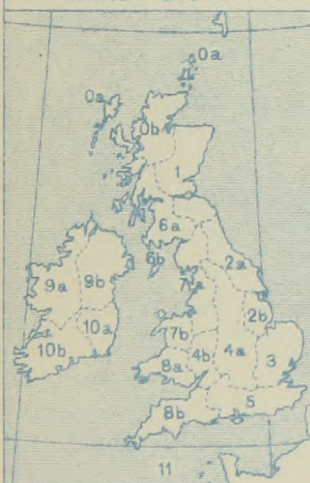
† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings
Issued

Western Channel and Bay 11

Wind between West and South, light at first, squally and fresh to strong at times later; changeable, some rain, fair to fine periods; cold to moderate temperature.

Wind varying between West and South, squally, fresh to strong or high at times; changeable, some rain, fair to fine periods; moderate to mild temperature.

Same as Nos. 0 to 2.

Same as Nos. 3 to 5.

Same as Nos. 0 to 2.

FURTHER OUTLOOK.

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

W. N. SHAW, Director

Millibars
1050

1040

1030

1020

1010

1000

990

980

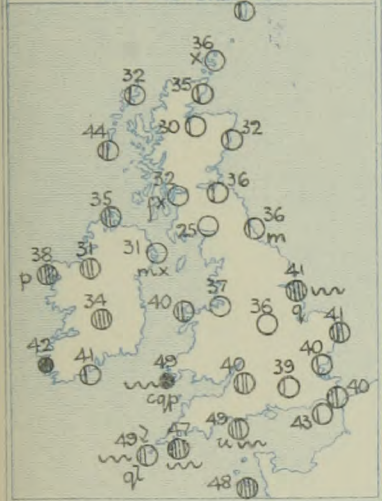
970

SYNOPTIC CHART FOR 7 a.m., SATURDAY, 19TH DECEMBER, 1914.

GENERAL INFERENCE.

The changes in progress indicate the continuance of the very changeable type of conditions.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



Inches.
31

30

29

SCALE 1:250,000
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

Below 40 40°-50° 50°-60° Above 60°

Scale of Tints for DECEMBER.

H I G H

EXPLANATION.

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

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

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

TEMPERATURE.—Given in degrees Fahrenheit.

Isotherms shown by dotted lines.

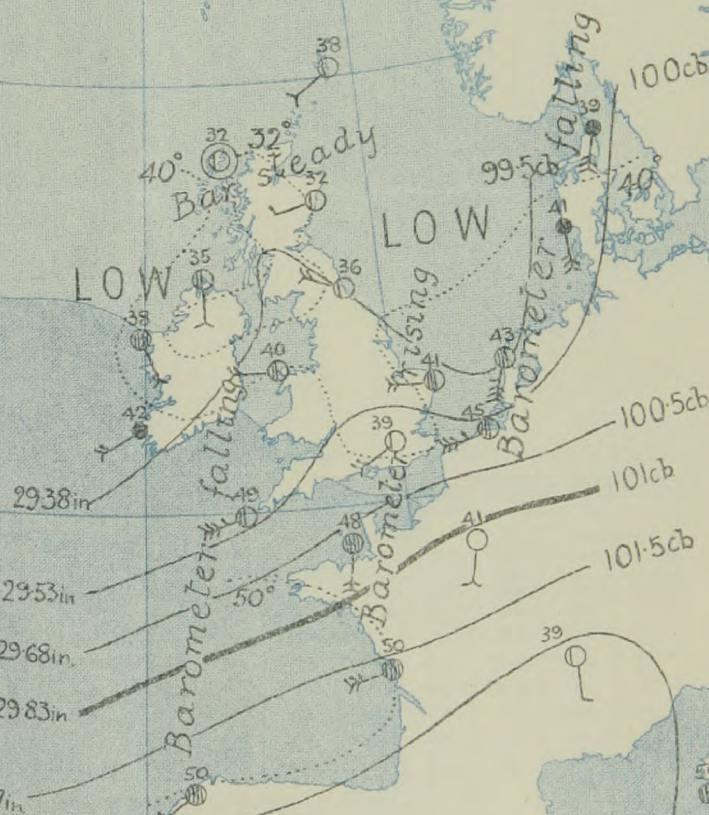
WEATHER.—Shown by the following symbols:—

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

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

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

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



37

52

102.5cb

102.5cb

102.5cb

102.5cb

DAILY WEATHER REPORT.

Saturday, 19th December, 1914.

REPORTS
FOR
YESTERDAY.

18th December 1914.

STATIONS.	EVENING OBSERVATIONS.				OBSERVATIONS AT 7 A.M., G.M.T.									
	Barom. Milli- bars at M.S.L.	Temp.	Wind.		Weather.	Barometer		Temp.		Wind.		Direc. of Upper Cloud.	Weather.	Sea 0-9.
			Direc.	Force		Milli- bars at M.S.L.	Change in 24 hours	Dry Bulb.	Change in 24 hours	Direc.	Force			
Vardö	1012.7	19	SW	9	bc	1005.0	-13	19	-2	S	10	-	bc	1
Bodo	1000.6	28	E	4		992.4	-4	32	-2	E	7	-		3
Christiansund	995.4	43	SE	2		992.8	+3	43	+4	SW	2	-		4
Skudenes	1002.6	45	SSE	7		997.3	+1	45	+4	S	6	-		4
Færder	1009.6	39	S	1		1003.1	-3	43	+6	SE	4	-		4
Haparanda	1014.6	0	-	0		1010.6	-4	9		SE	2	-		4
Härnösand	1010.4	28	-	0		1008.2	-4	34	+7	SE	2	-		4
Stockholm	1011.9	32	MMW	2		1011.0	-1	34	+2	SE	2	-		4
Wisby	1013.2	34	N	4		1014.1	-1	37	0	S	2	-		4
Karlstad	1011.7	34	-	0		1007.1	-3	39	+7	SW	2	-		4
Petrograd	1004.2	27	W	2		1009.5	+3	25	-5	W	2	-		4
Lisbon	1030.0	50	-	0		1028.2	+1	41	-2	N	0	SE	bc	2
Rome	1019.5	48	N	1		1019.9	0	43	-5	-	0	-	bc	2
Horta						1025.9	+1	57	-3	-	0	-	bc	3
Funchal	1026.3	63	E	3		1029.0	+1	57	-2	N	3	-	bc	3

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot- land.							Tunbridge Wells ...	17	50	46	or	or. o. bc	0.0
Oban ...	15	49	41	r. op	c	0.1	Margate ...	2	50	41	od	od	0.0
Banff ...	-	45	36	b	bc	4.6	Ramsgate ...	4	47	43	d	d	0.0
St. Andrews ...	1	44	36	*	*	1.8	Folkestone ...	8	48	43	or. f	or	0.0
Eng. N.E.							Hastings ...	6	49	47	or	or	0.0
Harrogate ...	4	48	42	r. c. bc. b	b. bc. c. d	3.0	Bexhill-on-Sea ...	6	49	47	or	r	0.0
Scarborough ...	8	49	42	o. c	o. c	2.6	Eastbourne ...	6	49	48	or. g	or. g	0.0
Skegness ...	8	48	41	r	r. bc. b	0.3	Seaford ...	9	53	47	or	or	0.0
Eng. N.W.							Brighton ...	10	50	47	or	r. o. op. o	0.0
Morecambe ...	30	46	44	bc. b	b. bc. o	4.3	Worthing ...	8	50	47	r	c	0.0
Blackpool ...	24	48	39	ore	o. oe	4.7	Littlehampton ...	6	50	48	or	o. bc. o	0.1
Southport ...	15	49	44	o. b	b. bc. or	4.5	Bognor ...	9	51	47	cd	bc	0.2
Midlands.							Southsea ...	4	52	47	or	o. c. b	1.3
Buxton ...	24	46	41	r. c. b	bc	2.1	Bournemouth ...	15	52	47	r. o	cr. o	1.8
Leamington Spa ...	9	50	43	o. bc. r	bc	2.5	England, S.E.						
Malvern ...	6	50	45	bc	bc	3.4	Weymouth ...	18	53	49	or. c	b. bc	3.2
Ross-on-Wye ...	8	51	46	bc	bc. c. or	3.4	Exmouth ...						
Wales.							Torquay ...	19	52	49	o	c. bc. c	3.7
Rhyl ...	5	51	43	c. bc	or. c	1.7	Paignton ...	22	53	48	or. bc	bc. cp	3.1
Colwyn Bay ...	10	49	44	bc	r	2.6	Falmouth ...	24	52	44	bc	c. or	3.5
Llandudno ...	11	52	44	b	c. o	2.4	Penzance ...	26	52	45	c. b	or. c	0.3
Aberystwyth ...	22	50	46	or. c	bc. o	2.0	Newquay ...	22	51	44	bc	or	2.9
Tenby ...	23	50	45	bc. o	r	2.1	Ilfracombe ...	21	52	44	bc. b	b. bc. or	3.6
Swansea ...	16	51	38	bc	b. g	3.5	Weston-super-Mare ...	7	52	44	o. bc. b	b. bc	3.2
England, E.													
Cromer ...	4	47	40	o. c	r. o. c	0.0							
Lowestoft ...	5	48	45	or	or	0.0							
Felixstowe ...	4	47	46	or	or	0.0							
Walton-on-Naze ...	4	47	40	or	or. o. c	0.0							
Southend-on-Sea ...	1	49	41	r	r. o. bc	0.0							

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Mip. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
				Max.	Min.								Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.																			
Greenwich (Royal Obs.) ...	%	%	Hr.	° F.	° F.	° F.	mm. §				Dublin to 4 p.m.	mm. §	° F.	° F.	F.				Hr.
City (Bunhill Row) ...	93	87	0.0	51	38	31	7	or	or. o. bc	b. or b	Darwen to 9 p.m.	1	51	42	39	r. o. c. b	c	cp	*
Westminster (St. James's Pk.)	*	*	0.0	*	*	*	*	*	*	*	Manchester "	29	46	41	40	or	ou. bc	bc. or	2.7
Camden Sq. (Brit. Rainfall)	94	86	0.0	52	39	34	6	cr	oe. r	bm. bc	Birmingham "	8	49	40	43	r	r. o	bc. r	2.3
Hampstead (Reservoir) ...	95	86	0.0	50	38	34	7	or	or. c	*	Oxford to 8 p.m.	*							*
Richmond Park ...	*	89	0.0	48	33	26	9	or	bc. c	c	Teignmouth to 9 p.m.								*
Richmond Park ...	*	*		VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.							Plymouth "								*
Kew. (See front page.)				Total.		Average Rate.		Max. Rate.			S. Kensington	6	50	47	38	ag. bc. p	or	ag. bc. m	*
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				79	Joules	2.8	Milliwatts.	9	Milliwatts.		(Museum Grounds to 6 p.m.)								*
S. Kensington (Roof of M.O.)	86	96	0.0																*

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

19th & 20th December, 1914.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.3	11.50	3.37
Greenwich ...	8.4	11.51	3.28
Wick ...	8.5	11.52	3.21
Valencia ...	9.2	12.9	3.16
	9.3	12.10	3.17
	8.48	12.38	4.24

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.

Temperature exceeded 50° in many localities, but in the night frost occurred in the northern districts. Rain fell nearly everywhere, 22 mm. at Portland Bill. Bright sunshine was very variable, none in several places, 4.7 hours at Blackpool.

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No.

Sunday

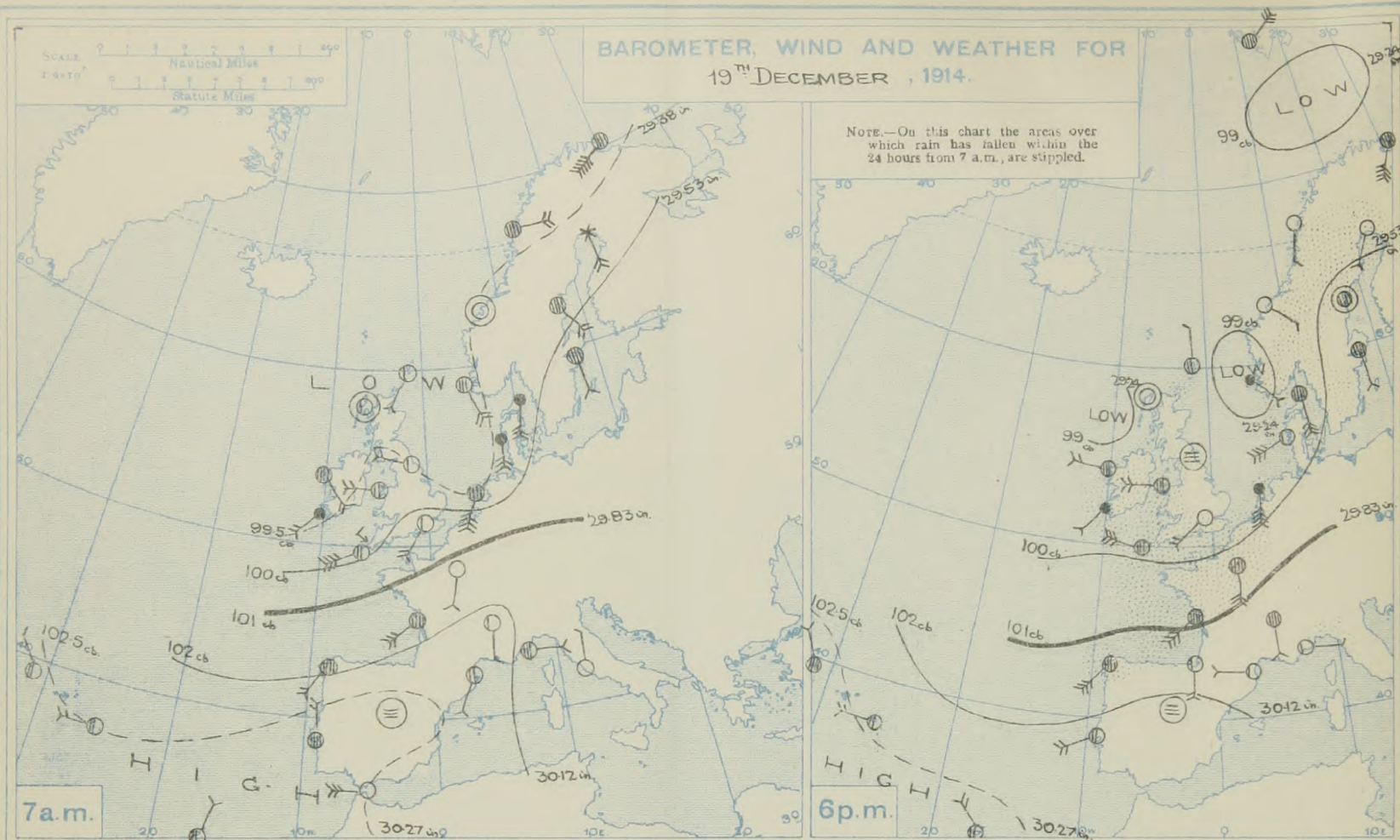
20th December, 1914.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	Temp.	Wind.	Force 0-12.	Weather.	Barometer.	Temp.	Wind.	Force 0-12.	Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	Temp.	Weather.	Night.						

Information for these columns not usually received.

† Received too late for insertion in Charts.

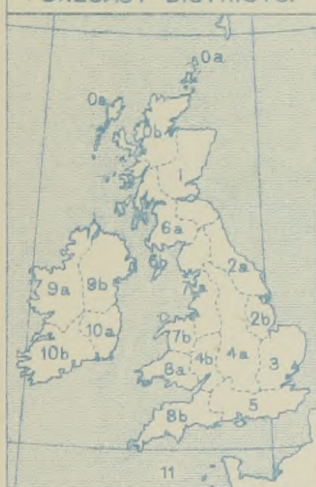
‡ The barometric change is expressed in half-millibars.



PILOT BALLOON ASCENTS for the PAST WEEK.

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

FORECAST DISTRICTS.



STORM WARNINGS.

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

Signals hoisted yesterday.

South Cone.

North Cone.

Signals hoisted this morning.

South Cone.

North Cone.

NO WARNINGS
ISSUED.

Western Channel and Bay 11

FURTHER OUTLOOK.

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

W. N. SHAW, Director

0	a	Station	Date & 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.		
b	S. Farnborough.			Falmouth.	S. Farnborough.	Eskdalemuir	S. Farnborough	S. Farnborough									
1				14h	14h.20m	16h	11h.	16h	13h.	17h	7h.40m	18h	15h.				
2	a	Heights in Kilometres.															
b																	
3																	
4	a			3	+10	+9		+12	-11	+7	0	+18	-1	+17	+5		
b	2			+9	+10	+7	-11	+7	-12	+11	-8	+10	+2	+15	+7		
5	1			+8	+5	+7	-12	+7	-17	+12	-11	+13	+3	+10	+4		
6	a			0.5	+5	+4	+7	-13	+10	-10	+4	-14	+14	+4	+9	+4	
b	0			+2	+2	+6	-8	+7	-4	+2	-2	+4	+3	+3	+2		
7	a			Station	Date & Hour.												
b																	
8	a	Heights in Kilometres.															
b																	
9	a																
b																	
10	a																
11	b																
OK.																	
Printed by the Superintendent, Forecast Division				W. N. SHAW, Director													

Millim. inches

1050—31

1040

1030

1020

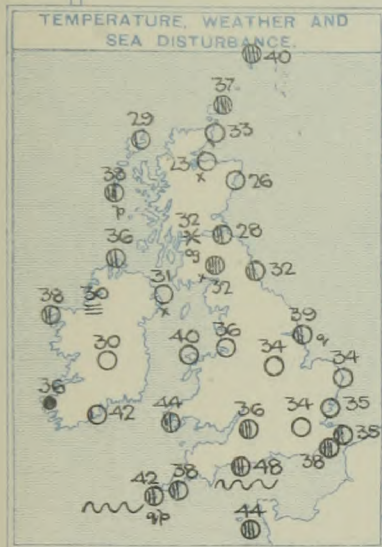
1010

1000

990

980

970



Inches.

31

30

29

SCALE 1:250,000
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

Below 40° 40°-50° 50°-60° Above 60°
Scale of Tints for DECEMBER.

EXPLANATION.

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

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

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

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

WEATHER.—Shown by the following symbols:—

○ clear sky, ○ sky & clouded, ○ sky & clouded,

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

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

SEA DISTURBANCE.—Rough wavy High

DAILY WEATHER REPORT.

Sunday, December 20th, 1914.

REPORTS

FOR
YESTERDAY.

December 19th, 1914.

REPORTS FOR YESTERDAY.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.											
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Dirce. or Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.	
				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.
	Vardö	998.3	21	SSW	10	0	994.4	-3	21	+2	SW	10	-	0	6	-	21	18
	Bodo	993.2	34	ESE	4	0	990.4	-1	34	+2	E	4	-	0	2	-	34	27
	Christiansund	991.0	41	SE	1	0	995.1	+3	39	-4	-	0	-	0	4	-	43	39
	Skudesnaes	992.3	46	S	4	0	994.6	0	45	0	SSE	4	-	0	4	10	46	41
	Faerder	998.6	43	S	7	0	997.9	+1	43	0	SSW	3	-	0	4	7	43	41
	Haparanda	1003.9	18	SE	6	0	996.8	-3	32	+23	S	4	-	0	0	2	34	3
	Hernösand	1001.1	36	SSE	2	0	997.8	0	37	+3	SSE	4	-	0	0	8	37	32
	Stockholm	1007.0	39	SSW	2	0	1006.8	+1	37	+3	S	2	-	0	0	trace	41	34
	Wibby	1011.3	41	SW	4	0	1009.2	-1	41	+4	S	4	-	0	0	-	46	36
	Karlstad	1003.0	41	SW	4	0	1011.0	+1	39	0	S	6	-	0	0	2	43	37
	Nice	1021.5	46	-	0	0	1018.0	-3	40	-3	ESE	2	-	0	1	-	52	37
	Perpignan	1020.3	43	-	0	0	1021.2	0	36	-1	SW	2	W	0	1	-	52	36
	Lisbon	1026.4	54	SSW	4	0	1024.8	-1	50	+9	N	3	-	0	0	6	55	41
	Rome	1020.4	46	N	1	0	1019.8	0	43	0	N	1	-	0	0	-	55	41
December 19th, 1914.																		

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. \$	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. \$	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.						° F.	° F.			
Scot- land.	Oban ...	...	...	...	...	...	Tunbridge Wells ...	10	47	38	mb. or	o. c. or o	0.5
	Banff ...	...	32	27	b. or	1.1	Margate ...	4	48	39	b. or	c. or	1.4
	St. Andrews ...	...	...	...	...	...	Ramsgate ...	3	43	37	b. or	r	1.2
Eng. N.E.	Harrogate ...	2	37	33	b. or	1.5	Folkestone ...	11	47	43	or o	b. or	1.1
	Scarborough ...	...	...	...	...	...	Hastings ...	11	49	40	b. or	or	0.2
	Skegness ...	4	43	36	b. or	2.9	Bexhill-on-Sea ...	21	49	40	or	r	0.0
Eng. N.W.	Morecambe ...	...	...	...	...	...	Eastbourne ...	13	49	42	or	or	0.0
	Blackpool ...	...	...	...	...	...	Seaford ...	11	50	40	r	or	0.0
	Southport ...	4	38	35	0	0.0	Brighton ...	11	49	41	c. or or	or c. or	0.1
Midlands.	Buxton ...	8	41	32	c. or	0.0	Worthing ...	4	48	37	r	or	0.0
	Leamington Spa ...	9	46	35	or	1.8	Littlehampton ...	6	49	40	ch. or	r. or	0.0
	Malvern ...	...	...	...	...	...	Bognor ...	5	50	42	or	or	0.0
	Ross-on-Wye ...	10	45	36	r. c. or	2.6	Southsea ...	...	...	...	or	or	0.0
Wales.	Rhyl ...	5	40	34	or	0.0	Bournemouth ...	14	49	38	or	or	0.1
	Colwyn Bay ...	...	...	...	...	...	Weymouth ...	9	50	43	or	up. or	0.0
	Llandudno ...	...	...	...	...	...	Exmouth ...	...	...	...	...	...	...
	Aberystwyth ...	4	44	38	r. or	0.5	Torquay ...	5	50	41	0	p. c. or	1.3
	Tenby ...	12	45	38	b. or	2.2	Paignton ...	7	50	38	or	c	0.9
	Swansea ...	17	47	37	b. or	4.0	Falmouth ...	2	48	40	or	b. or	2.1
England, E.	Cromer ...	6	44	37	b. or	3.7	Penzance ...	5	48	43	or	or	1.3
	Lowestoft ...	...	...	...	...	...	Newquay ...	6	50	41	or	or	2.0
	Felixstowe ...	5	46	38	b. or	2.1	Ilfracombe ...	...	...	...	...	...	...
	Walton-on-Naze ...	8	46	38	b. or	1.5	Weston-super-Mare ...	...	...	...	...	...	...
	Southend-on-Sea ...	7	47	39	b. or	1.3							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	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.						
	%	%	Hr.	° F.	° F.	° F.	mm. §			
Greenwich (Royal Obsy.) ...	79	91	0.9	46	32	25	8	b. or	or. o	b. or
City (Bunhill Row) ...	*	*	0.0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	78	90	0.1	46	32	28	9	or. b.	or	or. b.
Camden Sq. (Brit. Rainfall)	94	93	0.0	45	31	28	8	b. or	or. b.	*
Hampstead (Reservoir) ...	*	90	0.2	43	28	18	7	or. b.	b. or	b. or
Richmond Park	*	*								
Kew. (See front page.)	*	*								
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
				Total.		Average Rate.		Max. Rate.		
				74 Joules		2.6 Milli-watts.		7 Milli-watts.		
S. Kensington (Roof of M.O.)	78	87	0.4							

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

Dec. 20 & 21, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.4	11.51	3.38
Greenwich ...	8.5	11.58	3.51
Wick ...	9.3	12.10	3.17
Valencia ...	9.49	12.34	4.29

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.

Additional Observations for Yesterday.

STATIONS.	RAIN FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Night Min. on Grass.	Night	Fore- noon.	After- noon.	
		Max.	Min.					
	mm. §	° F.	° F.	F.				Hr.
Dublin to 4 p.m.	1	40	33	30	b. c	c. op	r. bc.	*
Darwen to 9 p.m.								
Manchester "	6	44	34	*	cr	c. br	c. m.	0.0
Birmingham "					*			
Oxford to 8 p.m.	*							
Teignmouth to 9 p.m.	1	49	41	35	or	c. bc	bc	1.9
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	14	48	39	33	b. br	bc or	q. m.	*

NOTES ON YESTERDAY'S WEATHER.

On a few scattered parts of our south and south-west coasts, the thermometer touched 50°; at Banff and Eskdalemuir it did not exceed 32°. Rain again fell in the English and Irish districts, and a brief but sharp thunderstorm passed over London at about 1 p.m.

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. and at the bookstalls at certain Railway Terminals in London.

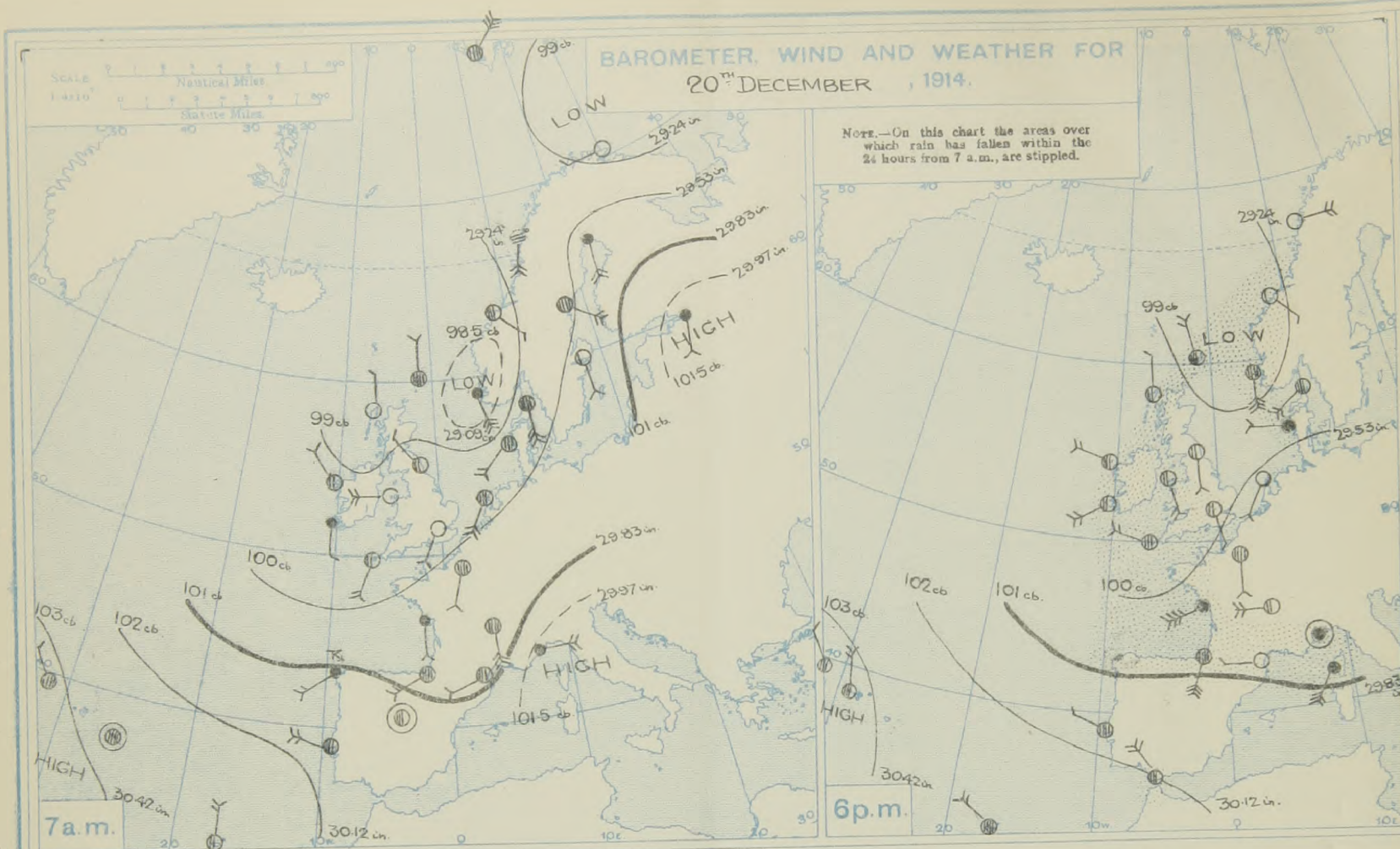
Monday,
21st December, 1914.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 355.

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. Milli- bars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	WIND. Direc.	Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea (0-9).	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.												Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.																						
	Lerwick ...	989.5	39	NNW	3	c	998.5	+4	37	-3	-	0	-	bm	0	1	42	36	cp	c	bm	*
	Deerness ...	991.2	38	W	1	b	999.0	*	37	0	NE	1	-	b	1	5	39	36	or.o	oc.b.c.b	b	0.0
	Stornoway ...	990.8	35	N	1	bc	997.9	+3	34	+5	-	0	-	b	0	-	35	28	by	by bc	bc.b	1.8
	Castlebay (Barra Isd.)	990.6	39	-	0	bc	996.3	+4	41	+3	E	3	-	o	3	1	43	36	c.b.c.b	bc.b	bc.c.b	0.3
	Glasgow ...	994.5	33	SW	1	b	997.7	+2	29	-3	ENE	3	-	bf	*	Trace	35	25	c.b.c.f	bc.b	b.b.c.b	1.6
	Eskdalemuir ...	995.3	31	-	0	ox	998.5	+2	29	-3	N	2	S	ox	*	-	33	27	b.c.f	ox	bc.c	2.2
	Main Head ...	991.8	32	SW	3	bc																
	Markree Castle	992.9	32	SE	1	s	995.6	*	22	-8	-	0	-	f	*	-	*	*	f	ss	bc	0.0
	Blacksod Point	990.9	33	WNW	3	c	?	+2	37	-1	WNW	2	NW	o	2	3	40	36	os	bc	bc	*
	Valencia ...	993.9	42	WSW	4	bc	997.6	+3	38	+2	ENE	1	-	o	4	14	45	33	m.p.s	c.b.p	c.b.c.g	0.2
	Roche's Point	993.8	38	NW	3	c	997.9	*	37	-5	NW	3	-	b	3	8	45	33	or	om.c	b	*
	Birr Castle ...	992.3	32	-	0	c	996.6	*	25	-5	SE	1	-	f	*	2	34	23	c.o	op.s.c	x.f	0.0
	Donaghadee ...	993.2	30	WSW	1	f	992.8	+1	40	+9	SE	4	SE	orm	4	3	41	27	ogm	ogf	f.orm	*
	Liverpool (Bidston)	995.3	35	SE	2	b	994.3	+1	37	+1	E	3	-	r	2	2	41	34	b	b	b.or	6.2
	Holyhead ...	993.2	38	SSE	3	bc	993.6	+2	38	-2	SE	3	-	odm	2	2	45	36	b.c.b	bc.c.o.c	bc.odm	3.6
	Pembroke (St. Ann's)	991.8	41	WSW	4	o	994.4	+1	38	-6	N	2	-	ogp	3	17	45	38	bc	cp	ophq	0.9
	Scilly (St. Mary's)	992.0	41	WNW	3	cp/b	998.9	+4	41	-1	WNW	6	W	ophq	7	5	46	39	cp/b	cp/b	cphq	0.5
	Falmouth ...	992.4	40	SW	1	c	997.6	+1	41	+3	W	4	-	bc	4	10	45	36	bc	cp/b	r.ph	1.3
	Jersey (St. Aubin)	996.1	44	S	4	ogp	1000.0	*	45	+1	W	5	W	c	4	2	47	42	cp.c	c.op.o	o.bq.th	0.2
	Portland Bill ...	994.2	46	SSE	5	cp	996.7	+5	48	-3	W	5	W	bc	4	12	48	41	c	ogr	c.ogr.p	*
	Dungeness ...	998.3	45	SSW	4	c	994.7	+2	42	+4	SW	3	-	or	2	6	47	37	bc	bc	bc.or	*
	Dover ...	999.2	45	SW	4	o	995.4	0	39	+4	S	3	-	r	2	11	45	37	bc.b	b.b.p	bc.or	5.3
	Wick ...	991.7	32	W	1	bc	998.8	+4	25	-8	W	1	-	b	2	-	37	25	bm.g	bm.g.bc	bm.bmx	*
	Nairn ...	992.5	31	-	0	bc	998.9	*	20	-3	-	0	-	bc	0	0.1	31	19	bc	bc	bc	2.3
	Aberdeen ...	992.8	30	W	1	b	999.8	+3	23	-3	-	0	-	by	2	-	32	23	by	by	by.z	3.7
	Leith ...	993.6	35	WSW	1	b	998.0	+3	28	0	-	0	-	bc	*	-	38	25	by	by	by	*
	Tynemouth ...	994.2	36	S	2	bm	997.1	+2	30	-2	-	0	-	of	1	-	39	28	bc	om	bc	*
	Spurn Head ...	997.0	29	S	4	bc	996.6	0	43	+4	ESE	5	-	bc	4	0.1	43	34	bc	bc	bc	5.0
	Yarmouth ...	998.9	37	S	2	bm	996.4	0	43	+9	SE	3	-	or	2	-	46	37	b.b	bm	bc.b	5.8
	Clacton-on-Sea	998.1	43	SSW	3	c	994.1	-4	42	+7	SE	4	-	ag	3	1	44	34	b.b	bc.c	bc.ogr	6.3
	Nottingham ...	996.6	34	SSW	1	b	995.0	*	35	+1	E	3	E	o	*	-	41	31	by	b	bc.o	4.9
	Bath ...	996.6	40	E	1	c	995.9	*	34	-2	W	1	W	b	*	8	44	33	o.c.b.c.b	bc.cop	or.bc.b	2.2
	London (Kew Obs.)	997.4	39	SSE	1	bm	994.3	+2	39	+5	WSW	2	-	om	*	1	43	34	bc.m.b	bc.bm	bc.b.m	3.5
	Spitsbergen												*		*	*	*	*	GALES.			
	Isafjord ...												*		*	*	*	*	Duration and Extreme Force in British Islands.			
	Reykjavik ...												*		*	*	*	*	Scilly.			
	Vestmanna ...												*		*	*	*	*	20th 7pm-10pm. WNW 8			
	Seydisfjord ...												*		*	*	*	*	7pm. Squall force 3. gust 26mps.			
	Thorshavn ...												*		*	*	*	*				
	Vardö ...																					
	Bodö ...	994.7	37	E	4	b	993.0	0	39	+5	E	4	-	o	2	-	39	32				
	Christiansund	995.3	39	SE	1	b	989.9	+3	39	0	SW	3	-	r	4	2	39	36				
	Skudesnaes ...	995.6	41	S	6	o	997.5	+8	39	-2	-	0	-	o	4	7	41	37				
	Færder (Xania Fjord)	994.3	41	S	6	o	1000.2	+3	41	0	S	6	-	o	4	-	43	39				
	The Scaw (Skagen)	995.3	39	SW	4	c	1003.1	+4	41	-2	SW	3	-	b	3	-	45	37				
	Blaavands Huk	996.7	41	WNW	2	r	1004.2	+4	39	-4	SE	1	-	c	2	1	43	32				
	Haparanda ...														*	*	*	*				
	Hernösand ...														*	*	*	*				
	Stockholm ...														*	*	*	*				
	Wisby ...														*	*	*	*				
	Karlstad ...														*	*	*	*				
	Petrograd (6 a.m. G.M.T.)														*	*	*	*				
	The Helder ...	1000.7	43	SW	2	b	1000.4	-1	39	-6	ESE	3	-	o	1	-	45	34				
	Brussels ...	*	*	*	*	*									*	*	*	*				
	C. Gris Nez ...	999.5	41	SE	4	o	996.2	0	42	+1	S	5	*	o	4	2	46	37				
	La Hève ...	998.7	41	SSE	3	c	997.9	*	45	+4	W	6	*	r	7	2	48	39				
	Ushant ...	999.0	45	WNW	6	c	1000.0	*	45	+2	NW	6	*	c	7	3	46	41				
	Brest (St. Mathieu)	995.3	46	WSW	5	o	1002.0	+2	45	-3	NW	5	*	c	5	3	52	41				
	Rochefort (Ile d'Aix)	1002.1	48	WSW	7	r	1007.4	+2	45	-1	WNW	6	*	c	*	10	54	41				
	Biarritz ...	1009.6	52	SW	6	o	1012.2	0	45	-3	SW	3	*	bc	6	5	55	43				
	Paris ...	1001.5	41	SE	2	r	1001.5	+2	39	-4	SSW	5	*	o	*	2	48	37				
	Belfort ...														*	*	*	*				
	Lyons ...	1007.1	44	W	1	o	1011.1	*	37	-11	SSW	2	*	o	*	4	49	37				
	Nice ...	1006.1	41	-	0	r	1009.6	+3	41	-2	-	0	*	b	3	41	46	37				
	Perpignan ...	1009.3	46	W	1	b	1013.2	0	45	+6	SW	1	-	o	*	Trace	55	36				
	Sanguinaire ...	*	51	SW	5	r	*	*	50		W	4	*	c	5	4	57	46				
	Corunna (7 a.m.)														*	*	*	*				
	Madrid (8 a.m.)														*	*	*	*				
	Lisbon (9 a.m.)	1016.7	52	WNW	1	bc	1020.4	0	46	-8	SE	3	-	b	?	-	57	46				
	Gibraltar ...	1020.0	56	NW	4	c	1018.9	*	53		W	4	-	o	2	10	60	52				
	Rome ...														*	*	*	*				
	Azores (Horta, 8 a.m.)	*																				
	Madeira (Funchal)																					

GALES.
Duration and Extreme Force
in British Islands.

Scilly.
20th. 7pm-10pm. WNW 8
7pm. Squall force 3. gust 26mps.



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings
Issued.

Western Channel and Bay 11

- | | | |
|----|---|--|
| 0 | a | Light variable to light or moderate Easterly winds; fair or fine, then some snow, fog locally; temperature low. |
| 1 | b | |
| 2 | a | Light or moderate winds, mainly Easterly; much cloud generally, some rain or sleet, fog or mist locally, then fairer and colder. |
| 3 | b | |
| 4 | a | Wind mainly Westerly, fresh to light; much cloud generally, some rain or sleet, fog or mist locally, then fairer and colder. |
| 5 | b | |
| 6 | a | Same as Nos. 0 and 1. |
| 7 | b | |
| 7 | a | Wind between East and North, light or moderate; changeable, some rain or snow, mist or fog locally; cold. |
| 8 | b | |
| 8 | a | Same as No. 5. |
| 9 | b | |
| 9 | a | Wind light or moderate from some Northerly point; variable weather, some rain or snow; fair intervals; rather cold. |
| 10 | b | |
| 10 | a | Westerly and North-Westerly winds, fresh or strong to moderate; sea rough, some rain, then fairer. |
| 11 | b | |

FURTHER OUTLOOK.

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

W. N. SHAW, Director.

Millibars

1050—31

1040

1030

1020

1010

1000

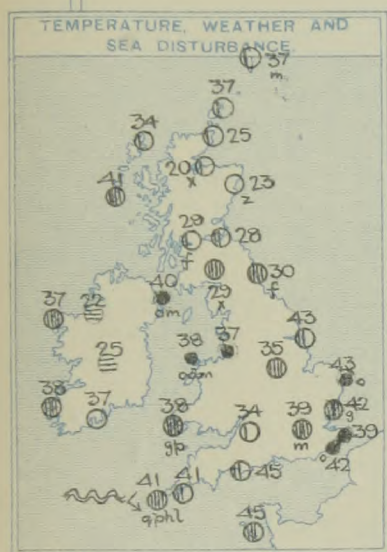
990

980

970

GENERAL INFERENCE.

The depression is likely to disperse slowly as it moves further to the eastward.

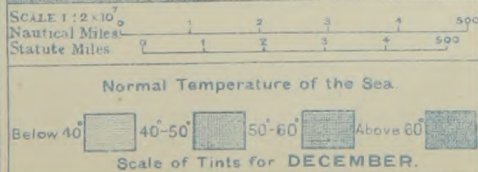


Inches.

31

30

29



EXPLANATION.

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

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

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

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

SEA DISTURBANCE.—Rough sea. High sea.

DAILY WEATHER REPORT.

Monday, 21st December 1914.

REPORTS
FOR
YESTERDAY.

20th December.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. & g.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. & g.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.						° F.	° F.			
Scot- land.							Tunbridge Wells ...	1	46	31	b	bc.p.c	4.7
Banff ...	-	37	23	bc	bc	5.2	Margate ...	0.3	47	34	bc, b	b	5.8
St. Andrews ...	-			*	*		Ramsgate ...	2	44	32	b	c	?
Engl. N.E.							Folkestone ...	2	48	35	bc, b, bc	b, o	4.7
Harrogate ...	-	39	34	bc	bc	4.5	Hastings ...	1	48	35	or, b	b, bc	5.0
Scarborough ...	0.3	39	32	b	b	6.0	Bexhill-on-Sea ...	2	43	37	b	c	6.1
Skegness ...	-						Eastbourne ...	4	46	36	m, b	oph	3.6
Engl. N.W.							Seaford ...	-	-	-	-	-	-
Morecambe ...	-						Brighton ...	4	48	33	bm, bc	cp, c, o, c	2.5
Blackpool ...	-						Worthing ...	4	49	23	o, bc	bc, r, c	3.6
Southport ...	4	42	34	c, bc, b	b	4.7	Littlehampton ...	0.3	47	?	bc, b	b, bc, c	4.0
Midlands.							Bognor ...	2	47	32	b	bc	4.1
Buxton ...	-	36	30	bc	bc	3.6	Southsea ...	-	-	-	-	-	-
Leamington Spa ...	-	43	31	bc	bc	4.2	Bournemouth ...	5	45	31	or	c, o	1.0
Malvern ...	-	40	34	bc	bc	2.5							
Ross-on-Wye ...	1	43	33	bc, b, bc	ce, b	2.4							
Wales.							Weymouth ...	4	45	34	cr, c	p, c	0.0
Rhyl ...	1	42	34	b	b	5.5	Exmouth ...	-	-	-	-	-	-
Colwyn Bay ...	-	42	36	bc	bc	5.6	Torquay ...	2	45	35	o	p, c, o	0.3
Llandudno ...	1	43	32	b	b	5.1	Paignton ...	-	-	-	-	-	-
Aberystwyth ...	-	42	36	o, c, b	bc, o	5.5	Palmouth ...	5	45	36	bc	cp	1.3
Tenby ...	-						Penzance ...	-	-	-	-	-	-
Swansea ...	7	45	34	th	bc, c	2.7	Newquay ...	5	45	35	b	or	2.3
England, E.							Lifracombe ...	2	43	36	bc	bc	3.7
Cromer ...	-	44	34	bc, m	bc	6.5	Weston-super-Mare ...	0.3	45	35	bc, b	b, bc, r	3.3
Lowestoft ...	-	44	33	b, bm	b, bc	6.5							
Felixstowe ...	-	44	33	b	b, bc	5.1							
Walton-on-Naze ...	-	47	33	b	b, bc								
Southend-on-Sea ...	-												

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	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.				
Greenwich (Royal Obs.) ...	86	93	5.0	44	35	30	1	b. bc	bc. o	o. or
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	75	94	0.8	45	34	28	2	bc. om	om	om. om
Camden Sq. (Brit. Rainfall)	-	94	0.5	43	34	30	2	-	-	-
Hampstead (Reservoir) ...	*	98	1.2	42	32	25	3	bc	bc	f. om
Richmond Park ...	*	*	*							
Kew. (See front page.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Total.			Average Rate.		Max. Rate.	
S. Kensington (Roof of M.O.)	-	89	1.6	253 Joules			9.0 Milliwatts.		20 Milliwatts.	

Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shin- for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
	mm & g.	° F.	° F.	F.				Hr.
Dublin to 4 p.m.	-	38	31	29	bce	bce, c	c-on	*
Darwen to 9 p.m.								
Manchester "				*				
Birmingham "	-	39	32	29	*	c	c	4.9
Oxford to 8 p.m.	*	42	33	24	bc, b	bm	b, c	*
Teignmouth to 9 p.m.	5	45	35	29	cp	c, op	op	0.4
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	Trace	44	34	26	b, bx, b	b, bc	b, bm	*

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

21st & 22nd Dec. 1914.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.4	11.51	3.28
Greenwich ...	8.5	11.52	3.29
Wick ...	8.5	11.53	3.31
Valencia ...	8.4	11.59	3.52
	9.3	12.10	3.17
	9.4	12.11	3.18
	8.49	12.35	4.26
	8.59	12.46	4.36

NOTES ON YESTERDAY'S WEATHER.

The weather was fair to fine over a large area and many stations recorded some hours of bright sunshine. Rain was experienced - mostly in the night - in most places, 17 mm. at St. Ann's Head, 12 mm. at Portland Bill, and 11 mm. at Dover.

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.

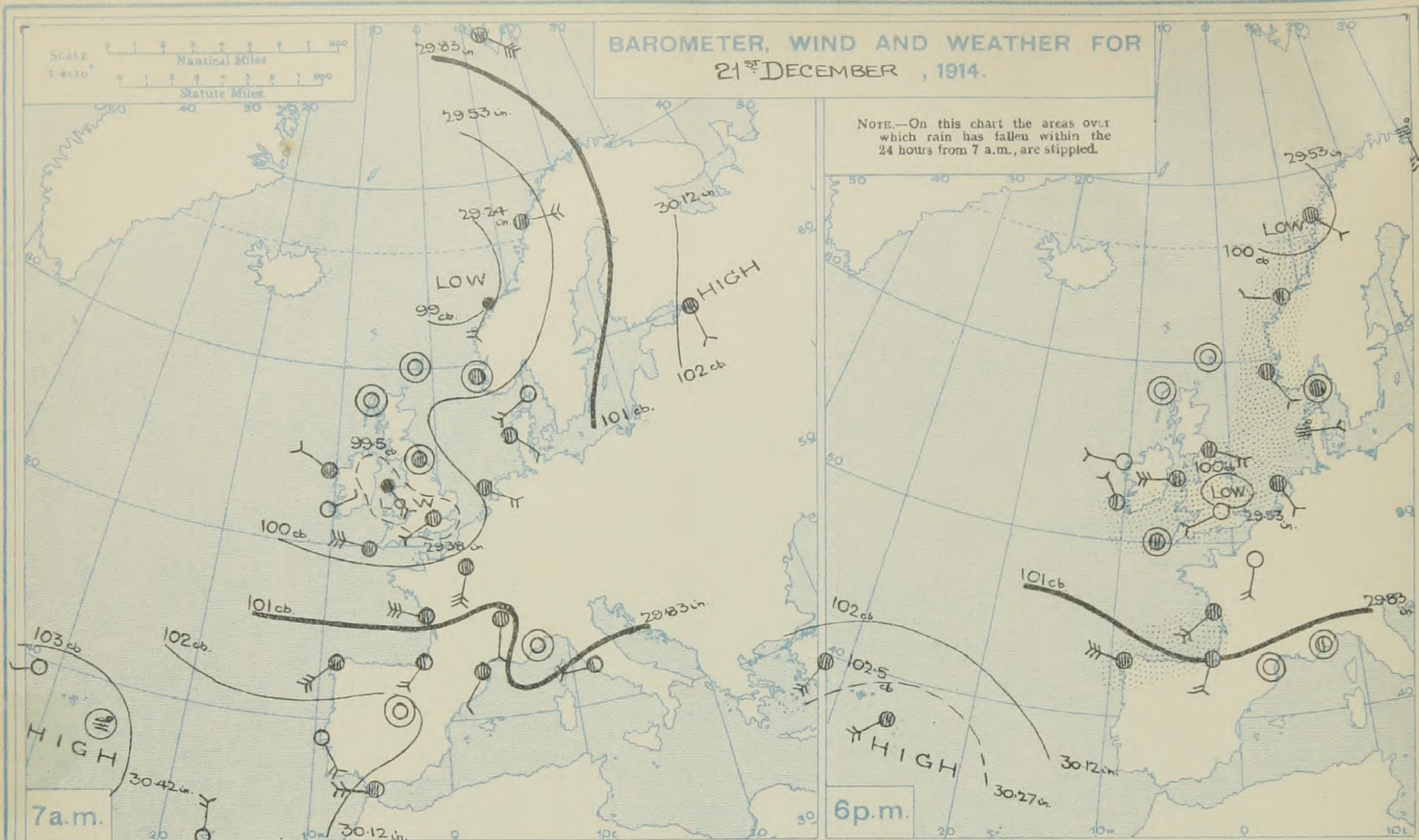
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 356. Tuesday, 22nd December, 1914.

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.	Barometers.		TEMP.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.																							
	Lerwick ...	1006.6	36	-	0	b	1012.0	+2	38	-1	-	0	-	b	0	Trace	38	32	bc	bc	b	*	
	Deerness ...	1006.8	36	W	1	o	1011.2	*	35	-2	NE	1	-	b	0	-	41	34	b	b	b	2.9	
	Stornoway ...	1005.8	33	-	0	b	1009.1	0	27	-7	-	0	-	b	0	-	36	26	bc, c	c, b	b	0.0	
	Castlebay (Barra Isd.)	1004.3	40	E	2	b	1007.6	0	44	+3	SE	5	SE	bc	5	-	44	38	o, c	c, b	bc	0.0	
	Glasgow ...	1005.3	35	NE	3	c	1011.3	0	31	+2	-	0	-	max	*	0.1	36	28	bc, c, of	o	c, bc, bn	0.0	
	Eskdalemuir ...	1004.6	34	NE	4	bc	1011.0	+1	29	0	NW	2	-	bc	*	0.1	35	27	c	cm, c	b, bc, b	2.3	
	Malin Head ...	1003.4	34	-	0	b	1008.4	*	24	+2	SE	1	-	f	*	-	*	*	fx, l	bm, x	bf, x	1.8	
	Markree Castle ...	1003.4	39	WNW	2	bc	1005.8	-3	36	-1	SSE	3	-	bc	3	-	41	23	bc	bc	bc	*	
	Blacksod Point ...	1003.7	41	NW	2	bc	1006.1	-2	32	-6	NE	1	-	bc	3	-	44	31	chp	chp	bc	1.4	
	Valencia ...	1003.7	41	NW	2	bc	1006.1	-2	32	-6	NE	1	-	bc	3	-	44	31	chp	chp	bc	1.4	
	Roche's Point ...	1004.3	37	NW	1	b	1008.0	*	41	+4	W	1	S	c	2	0.4	43	33	b, bc	cg, b	bm, c	*	
	Birr Castle ...	1004.3	37	NW	1	b	1008.0	*	41	+4	W	1	S	c	2	0.4	43	33	b, bc	cg, b	bm, c	*	
	Donaghadee ...	1000.7	44	ESE	4	ogm	1008.2	+1	42	+2	ESE	4	E	bc, m	3	11	43	37	ogm, r	ogm, p	om, p, bm	*	
	Liverpool (Bidston) ...	1002.4	37	NNW	1	r	1009.7	+2	36	-1	NNE	1	-	b	1	10	39	33	ors	org	bc, e	0.0	
	Holyhead ...	1002.1	41	W	5	c	1009.1	+1	35	-3	-	0	-	bc	0	Trace	41	33	ad, om	o	bc, bc	0.0	
	Pembroke (St. Ann's) ...	1003.3	39	MNE	2	bc	1009.4	+1	25	-3	ENE	2	-	bm, c	2	0.4	43	34	ogp	c	bc	2.9	
	Scilly (St. Mary's) ...	1004.0	40	-	0	c	1007.8	+1	41	0	S	1	-	bc, v	5	10	45	37	cg, hp	cg, hp	bc, v	2.6	
	Falmouth ...	1004.6	37	W	1	b	1008.7	0	34	-7	NW	2	-	bc	3	-	44	34	cg, hp	bc	bc	2.4	
	Jersey (St. Aubin) ...	1004.6	45	SW	3	o	1009.0	*	34	-11	E	3	-	b	3	8	47	33	og, rh	op, o	op, bm, w	0.1	
	Portland Bill ...	1002.8	42	WNW	4	b	1008.2	+1	37	-8	NW	1	-	b	3	-	46	36	bc, g	bc	b, bc	*	
	Dungeness ...	1001.3	40	W	4	b	1006.2	+2	36	-6	WSW	3	-	o	3	4	45	34	or, c	c, bc	bc, c	*	
	Dover ...	1002.1	38	SW	4	b	1006.1	+2	35	-4	W	3	-	c	2	4	43	34	r, o, bc	b, op, bc	b, p, r, c	1.1	
	Wick ...	1007.0	31	-	0	m	1011.4	+1	24	-1	-	0	-	b	2	-	33	22	bm, c, bc	bc, x	bm, x, y	*	
	Nairn ...	1007.4	21	-	0	bm	1011.6	*	18	-2	-	0	-	bm, c	0	-	25	17	bm	bm	bm, c	0.0	
	Aberdeen ...	1007.3	26	WNW	3	bg	1011.5	+1	24	+1	WNW	3	-	bg, c	2	-	27	23	bc, g	bc, g	bc, g	0.0	
	Leith ...	1005.5	38	NW	1	r	1010.7	+1	33	+5	WNW	1	-	m	*	-	41	26	od, g	org	op	*	
	Tynemouth ...	1002.6	43	ESE	3	c	1008.4	0	43	+13	NW	3	NW	bc	4	5	44	30	bc, mp	bc	bc	*	
	Spurn Head ...	999.9	41	E	5	bc	?	+4	42	-1	NE	3	-	bc	4	3	44	35	bc, p	bc, p	bc, p	0.1	
	Yarmouth ...	999.5	27	SW	2	o	1004.6	+3	37	-6	MNE	2	-	c	1	4	43	34	or	or	o, c	0.0	
	Clacton-on-Sea ...	999.7	39	WSW	2	b	1004.7	+4	39	-3	W	2	-	ogm	2	2	42	35	ogr	o, bc, b	bc, m, a	0.9	
	Nottingham ...	999.8	39	NE	2	r	1007.3	*	37	+2	N	3	-	b	*	5	39	34	om	om, r	r, o, c, bc	0.0	
	Bath ...	1003.0	36	W	1	b	1008.8	*	33	-1	W	1	-	b	*	-	42	31	b, bc, c	b, bc, c	b, o, bc, m	2.3	
	London (Kew Obsy.) ...	1001.6	37	WSW	2	b	1007.1	+1	37	-2	WSW	2	-	om	*	1	42	35	om, bm	bm, bc, b	b, bc, c, om	3.3	
ICELAND, FAEROE, &c.	Spitsbergen ...													*	*	*	*	*					
	Isafjord ...													*	*	*	*	*					
	Reykjavik ...													*	*	*	*	*					
	Vestmanna ...													*	*	*	*	*					
	Seydisfjord ...													*	*	*	*	*					
Thorshavn ...														*	*	*	*	*					
NORTHERN EUROPE.	Vardö ...	1006.4	34	S	5	m	1005.3	0	36		SSW	4	-	o	2	*	34	23					
	Bong ...	999.1	39	SE	2	o	1009.3	+6	39	0	SW	6	-	r	4	?	39	36					
	Christiansund ...	1008.4	39	W	1	c	1014.0	+1	36	-3	SE	1	-	b	4	2	41	36					
	Skudesnaes ...	1007.1	39	SE	2	o	1009.3	0	45	+6	-	0	-	c	2	1	45	39					
	Færder (X'anta Fjord) ...	1008.6	39	SSE	4	b	1011.1	0	34	-7	NE	5	-	r	2	-	43	34					
	The Scaw (Skagen) ...	1008.0	39	-	0	o	1008.8	+1	37	-4	E	3	-	r	4	1	41	37					
	Blaavands Huk ...	1005.2	36	E	2	m	1006.7	+1	37	-2	E	3	-	o	0	Trace	39	34					
	Haparanda ...														*	*	*	*					
	Hernösand ...														*	*	*	*					
	Stockholm ...														*	*	*	*					
FRANCE, &c.	Wisby ...														*	*	*	*					
	Karlstad ...														*	*	*	*					
	Petrograd (9 a.m. G.M.T.) ...														*	*	*	*					
	The Helder ...	1001.5	39	SSE	2	o	1006.4	+2	34	-5	S	3	-	c	2	7	41	34					
	Brussels ...	*	*	*	*	*									*	*	*	*					
	C. Gris Nez ...	1001.1	43	W	6	c	1006.4	+1	41	-1	W	7	*	r	6	8	46	41					
	La Hève ...	1006.1	41	W	5	c	1010.1	*	37	-8	S	3	*	bc	3	-	46	36					
	Ushant ...	?	43	NW	5	c	?	*	43	0	NW	2	*	c	3	3	45	37					
	Brest (St. Mathieu) ...	1006.4	46	WNW	3	bc	1009.6	+1	41	-4	E	2	*	b	5	-	50	39					
	Rochefort (Ile d'Aix) ...	1006.0	41	SW	4	o	1006.3	0	38	-7	WSW	2	*	bc	*	25	52	37					
Biarritz ...	1010.0	46	SW	3	c	1011.3	0	45	0	SW	4	*	o	7	13	52	41						
SOUTHERN EUROPE.	Paris ...	1007.9	37	S	3	b	1010.9	0	34	-9	S	1	-	o	*	-	45	34					
	Belfort ...														*	*	*	*					
	Lyons ...														*	*	*	*					
	Nice ...	1010.1	43	-	0	bc	1012.0	0	36	-5	E	1	*	b	2	-	50	36					
	Perpignan ...	1012.1	39	-	0	b	1011.0	0	36	-9	WSW	2	-	o	*	-	52	30					
	Sanguinaire ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
	Corunna (7 a.m.) ...	1012.8	45	WNW	6	o	1015.8	-2	43	0	ESE	4	-	c	5	7	50	41					
	Madrid (8 a.m.) ...														*	*	*	*					
	Lisbon (9 a.m.) ...														*	*	*	*					
	Gibraltar ...														*	*	*	*					
Rome ...														*	*	*	*						
SOUTHERN EUROPE.	Azores (Horta, 8 a.m.) ...	1026.9	*	SW	5	o																	
	Madeira (Funchal) ...																						

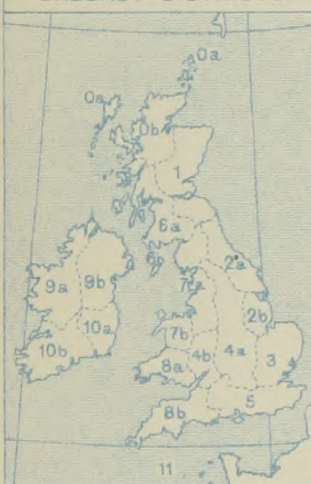
RAINFALL. Equivalents of Millimetres. in Inches.

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.



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings

Issued

Western Channel and Bay 11

- 0 { a }
b
- 1 { a }
b
- 2 { a }
b
- 3 { a }
b
- 4 { a }
b
- 5 { a }
b
- 6 { a }
b
- 7 { a }
b
- 8 { a }
b
- 9 { a }
b
- 10 { a }
b

Wind becoming South-Easterly or Easterly, light to moderate or fresh; fair or bright, then cloudy or overcast, some sleet or snow; temperature increasing by to-morrow.

Wind variable, then between South and East, light to moderate; mostly fair to bright, but mist locally, then cloudy or overcast, with some rain, sleet or snow; temperature continuing rather low.

Same as Nos. 0 to 2.

Wind between South-West and South-East, light to fresh; fine, then cloudy to overcast, with some rain or sleet; temperature rather low.

Wind Easterly or South-Easterly, increasing in force; weather becoming less fine, some rain, sleet or snow; temperature rather low.

Wind between South-West and South-East, increasing in force; sea rather rough; fine to rainy.

FURTHER OUTLOOK.

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

W. N. SHAW, Director

Millibars
1050—31

1040

1030

1020

1010

1000

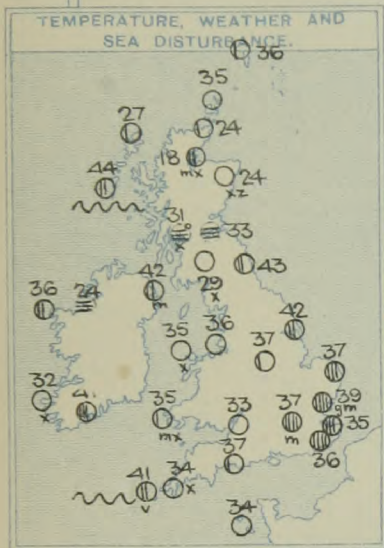
990

980

970

GENERAL INFERENCE.

The new depression which is approaching Ireland will probably move eastward across the United Kingdom.



Inches.

31

30

29

SCALE 1:12,500
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

Below 40° 40°-50° 50°-60° Above 60°
Scale of Tints for DECEMBER.

Barometer falling

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.
☼, then Jerstorm.

SEA DISTURBANCE.—Rough ~~~. High ~~~.

DAILY WEATHER REPORT.

Tuesday 22nd December 1914.

REPORTS
FOR
YESTERDAY.

21st December

STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain-fall. Milli- metres.		Temp. Max. Min.	
	BAROM. Multi- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.					
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.								
Spitzbergen.	106.2	-8	SE	2	S	1014.9	-4	9	+16	SE	6	-	o	4	-	3	-23		
Petrograd	1018.6	32	S	2	bc	1021.6	+2	34	0	S	2	-	o	*	-	34	30		
Cornwall	1013.6	50	W	6	c	1013.5	-2	43	-3	SW	5	-	c	5	14	50	41		
Madrid	1015.0	46	W	3	c	1020.2	+1	34	-9	-	0	-	b	*	Trace	50	32		
Rome	1012.0	54	SW	2	r	1010.4	+2	54		W	2	-	bc	*		55	32		
Horta	1030.9	*	NNW	2	bc	1021.4	+1	54	-1	WNW	1	-	o	2	-	53	21		
Funchal	1023.8	64	NW	3	o	1026.1	+1	57	0	N	3	-	b	3	?	66	57		

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.						° F.	° F.			
Scot- land.							Tunbridge Wells ...	7	46	35	o.c.b	b.bcp.b	3.0
Banff ...	-	30	21	bc	bc	2.3	Margate ...	3	45	36	p.	bc	1.0
St. Andrews ...	-	35	24	*	*	0.0	Ramsgate ...	3	43	37	r	bc.r	1.0
Eng. N.E.							Folkestone ...	14	44	39	r.o	o.bc.or	1.0
Harrogate ...	2	36	25	cm.cp	ep.bc	0.0	Hastings ...	11	45	37	or.c	cor.b	0.8
Scarborough ...	*	45	32	o.c.o	c	0.3	Bexhill-on-Sea ...	11	43	37	c	r.o.c	4.1
Skegness ...	2	43	37	o	p.o	0.0	Eastbourne ...	16	48	39	pq	pq.b	1.2
Eng. N.W.							Seaford ...	8	47	40	bc	c	1.8
Morecambe ...	-	42	32	o	o	0.0	Brighton ...	10	46	34	c.bc	cp.c.bc	2.0
Blackpool ...	-	42	32	o	o	0.0	Worthing ...	3	45	37	bc	bc	1.7
Southport ...	2	38	32	org	org	0.0	Littlehampton ...	13	46	?	c.bc	b.bc	3.0
Midlands.							Bognor ...	5	47	38	b	b	3.2
Buxton ...	2	36	31	p	cr	0.0	Southsea ...	5	48	37	bc	bc.c	2.9
Leamington Spa ...	9	40	31	rs.fg	cr	0.5	Bournemouth ...	1	44	34	b	bc.b	5.0
Malvern ...	7	41	33	bc	bc	5.5							
Ross-on-Wye ...	-	42	32	o	o	0.0							
Wales.							Weymouth ...	5	45	38	bc	bc.b	2.7
Rhyl ...	6	40	32			0.0	Exmouth ...						
Colwyn Bay ...	6	39	33	p	p	0.0	Torquay ...	4	43	36	bc	p.c.bc.b	3.3
Llandudno ...	7	41	36	or	o	0.0	Paignton ...						
Aberystwyth ...	4	43	36	r.o.c	c.bc	4.0	Falmouth ...	7	44	37	b	bc	2.4
Tenby ...	3	42	33	bc	bc	2.5	Penzance ...	8	46	37	aph	bc	2.5
Swansea ...	12	42	35	rs.bc	bc.b	2.0	Newquay ...	5	44	37	org	c	0.6
England, E.							Ilfracombe ...	5	45	38	o	c.bc	2.0
Cromer ...	1	43	34	o.c	o.cr	0.2	Weston-super-Mare ...	5	44	36	bc.c	bc.c	1.0
Lowestoft ...	5	43	37	or	or.c	0.0							
Felixstowe ...	4	41	34	or	bc	0.0							
Walton-on-Naze ...	5	41	31	org	bc.b	1.0							
Southend-on-Sea ...	7	44	38	r.o.b	b.bc.b	2.1							

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
				Max.	Min.								Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.																			
	%	%	Hr.	° F.	° F.	° F.	mm. §					mm §	° F.	° F.	F.				Hr.
Greenwich (Royal Obs.) ...	79	92	3.0	43	34	30	1	b	b	b.c.		Dublin to 4 p.m.							*
City (Bunhill Row) ...	*	*	0.6	*	*	*	*	*	*	*		Darwen to 9 p.m.							*
Westminster (St. James's Pk.)	82	90	3.1	45	35	29	1	om	o	om, f, m		Manchester "			*				
Camden Sq. (Brit. Rainfall)	79	93	2.8	42	34	31	1	o. bc	bc	*		Birmingham "			*				
Hampstead (Reservoir) ...	*	95	3.5	42	28	21	1	bc	bc	c. of o		Oxford to 8 p.m.	*		*				
Richmond Park ...	*	*	3.6	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.															
Kew. (See front page.)				Total.		Average Rate.		Max. Rate.											
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Joules		Milliwatts.		Milliwatts.											
S. Kensington (Roof of M.O.)	78	87	3.3	230		82		22				S. Kensington (Museum Grounds to 6 p.m.)	2	43	39	31	or, om	bc, bc	*

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

22nd & 23rd Dec. 1914.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.5	11.52	3.29
Greenwich ...	8.6	11.53	3.32
Wick ...	9.4	12.11	3.18
Valencia ...	8.50	12.40	4.30

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.

Temperature continued below 32° in many parts of Scotland, and below 40° in some English and Irish localities. Rain fell in various districts; about 10 mm. at some western stations; a few stations in England recorded several hours of bright sunshine.

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. and at the bookstalls at certain Railway Terminals in London.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 357

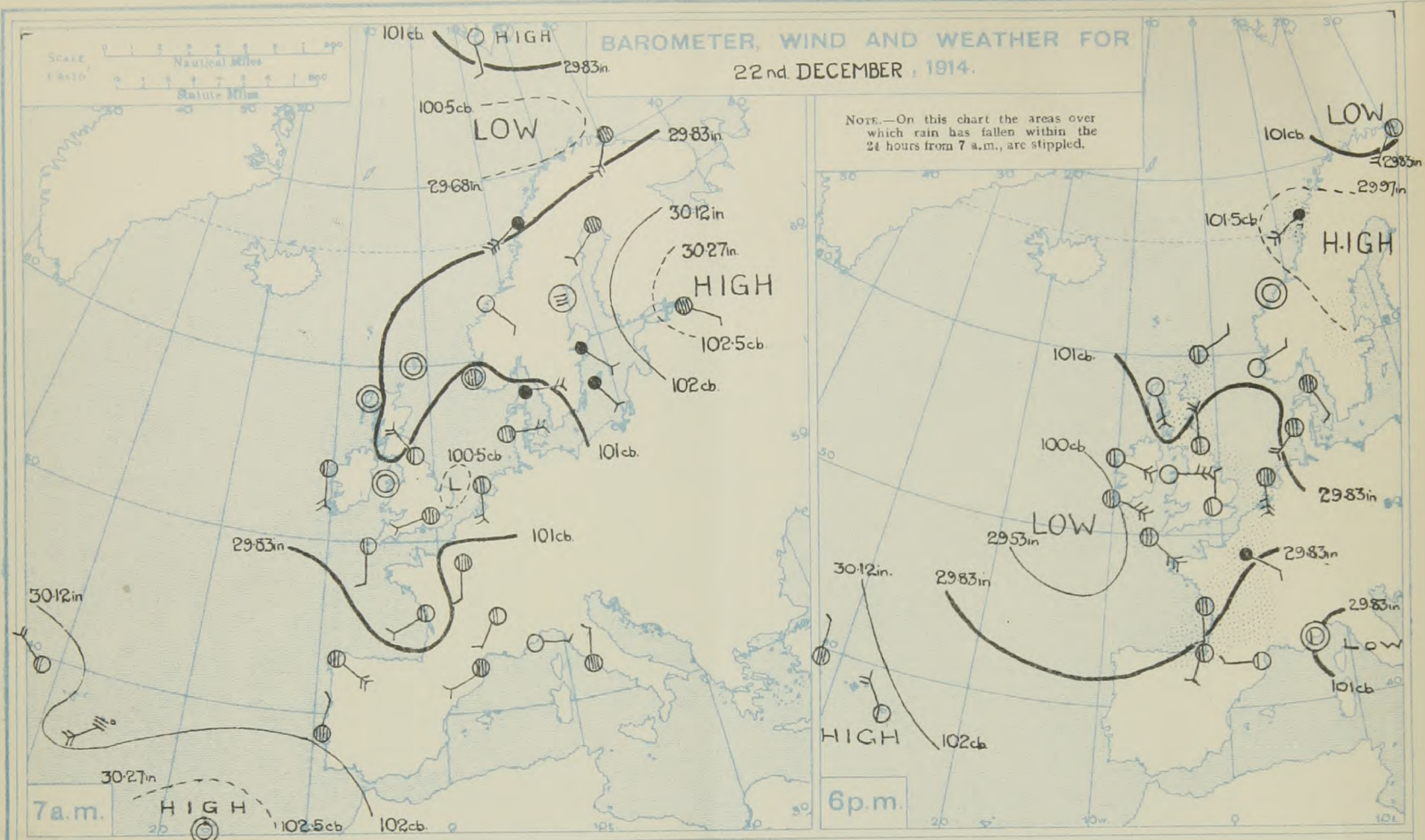
Wednesday,
23rd December 1914.

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. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Force 0-12.	Dirct. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Dirct.	Force 0-12.				Dry Bulb.	Change in 24 hours.							Dirct.	° F.	° F.	Max.	Min.	Morning.		Afternoon.	Night.
BRITISH ISLANDS.	Lerwick	1013.8	40	ENE	1	bc	1017.1	+3	41	+5	ENE	3	-	bc	3	0.3	42	36	b	bc	b	*	
	Deerness	1013.2	39	E	1	bc	1016.2	*	37	+2	N	2	-	bc	1	-	41	34	b	b bc	bc	2.2	
	Stornoway	1010.9	38	SSE	3	b	1016.3	+3	36	+3	L	0	-	b	0	-	42	26	br	b	b	3.6	
	Castletown (Barra Isd.)	1008.5	43	SE	5	bc	1014.5	+4	40	-4	ENE	1	-	b	2	-	44	38	bc	bc	b	1.5	
	Glasgow	1012.1	30	ENE	1	m	1013.9	+2	36	+5	NE	2	-	c	*	0.2	36	27	bf	bc bf	f bc c	0.0	
	Esksdalemuir	1011.5	33	N	1	o	1012.1	+1	34	+5	NNE	5	-	bx	*	0.3	34	26	bc b	bc	bc p	3.6	
	Malin Head	1005.7	?	ESE	3	?	1012.2	*	23	-1	-	0	-	b	*	-	*	*	fa bc	bc m	bc	0.0	
	Markree Castle	1003.1	35	ESE	4	bc m	1010.4	+5	36	0	SSE	2	-	b	2	-	36	33	bc	bc	bc m bc	*	
	Blacksod Point	1003.1	35	ESE	4	bc m	1010.4	+5	36	0	SSE	2	-	b	2	-	36	33	bc	bc	bc m bc	*	
	Valencia	1008.6	45	ESE	5	c	1007.4	+8	41	+9	ENE	1	-	b	3	1	46	31	bc	bc	bc	1.4	
	Roche's Point	1003.7	46	SSE	6	b	1009.0	*	41	0	ENE	3	-	b	5	0.3	46	41	c	cp b	bc m	*	
	Birr Castle	1009.4	30	SE	1	c	1010.4	*	20	+10	-	0	-	b	*	-	37	20	c	c	bc	0.0	
	Donaghadee	1008.1	41	SSE	4	bc m	1012.2	+3	39	-3	E	2	-	bc	2	-	45	37	bc m	bc m	bc e	*	
	Liverpool (Bidston)	1009.5	35	E	1	m	1008.6	+1	33	-3	NNE	2	-	c	1	-	39	29	bm f	f	bc	0.4	
	Holyhead	1008.1	39	E	5	bc	1010.0	+2	41	+6	E	4	-	b	3	Trace	45	34	b	b	bc bc b	6.1	
	Pembroke (St. Ann's)	1006.3	42	SE	3	bc	1008.8	+3	34	-1	E	3	-	bm	3	0.3	42	33	bm	bc	bc m	4.6	
	Scilly (St. Mary's)	1003.7	45	SE	5	cxp	1003.7	+3	43	+2	ESE	5	-	c	6	0.1	48	40	bc	bc cp	c o c	4.7	
	Falmouth	1006.2	44	SSE	1	b	1005.4	+4	39	+5	NE	3	-	b	4	2	46	33	bc b	bc	bc p	3.0	
	Jersey (St. Aubin)	1008.2	40	SE	3	c	1005.3	*	37	+3	ESE	4	-	og	3	-	46	32	b bc	c og o	c og	2.3	
	Portland Bill	1008.2	41	ENE	2	bc	1006.3	+1	34	-3	NE	2	-	b	3	-	43	33	bc	bc	bc	*	
	Dungeness	1007.4	36	NNW	2	bm	1005.7	0	31	-5	NNW	1	-	bc	1	-	40	28	o c	c bc m	bc f	*	
Dover	1008.0	36	W	1	om	1006.7	0	31	-4	NW	2	-	bc	0	0.2	40	30	c o c	c bc c o	m bc f	0.8		
ICELAND, FAEROE, &c.	Wick	1012.3	35	-	0	om	1016.0	+2	40	+16	NE	1	-	bc	2	1	43	22	bc	bc	bc m	*	
	Nairn	1013.1	21	-	0	cf	1016.0	+	26	+8	-	0	-	cm	0	-	26	16	bc	bc	bc m	0.0	
	Aberdeen	1012.1	33	NNW	4	bc	1014.3	+1	32	+8	NW	3	-	b	2	2	37	24	bc	bc	bc p b	1.5	
	Leith	1011.8	36	NW	1	o	1012.3	+2	33	+6	N	2	-	cp	1	1	40	31	o c	c og	odg og	*	
	Tynemouth	1003.8	35	N	3	bc m	1003.4	0	41	-2	NNE	3	-	cp	4	3	43	35	bc	bc	bc	*	
	Spurn Head	1008.7	38	NNE	2	bc	1006.2	0	40	-2	NNE	5	-	bc	5	5	43	37	bc	bc	bc p	4.0	
	Yarmouth	1006.9	39	NNW	2	bc	1004.3	+1	36	-1	W	2	-	o	1	2	42	36	c	c bc p	or	0.6	
	Clacton-on-Sea	1006.9	39	NW	2	cm	1005.4	0	34	-5	NNW	1	-	omg	0	-	39	31	og cm	cm	c bc of	0.2	
	Nottingham	1008.5	38	N	2	c	1007.0	+	36	-1	N	4	-	c	*	-	40	33	b bc m	bc c	c b	2.8	
	Bath	1008.8	30	W	1	b	1008.4	+	29	-4	-	0	-	m	*	-	40	26	bm o b	b bc m	bm	1.8	
London (Kew Obsy.)	1008.2	39	N	1	bc m	1007.0	0	32	-5	-	0	-	omx	*	0.3	41	30	om o m	om bc m	bc m m m	0.0		
NORTHERN EUROPE.	Spitsbergen												*	*	*	*	*	*	*	*	*	*	
	Isafjord												*	*	*	*	*	*	*	*	*	*	
	Reykjavik												*	*	*	*	*	*	*	*	*	*	
	Vestmanna												*	*	*	*	*	*	*	*	*	*	
	Seydisfjord												*	*	*	*	*	*	*	*	*	*	
	Thorshavn												*	*	*	*	*	*	*	*	*	*	
	Vardö	1009.5	32	SW	2	bc	1013.2	+1	27	-9	SW	3	-	b	3	*	36	27					
	Bodö	1013.4	37	SW	4	r	1021.6	+1	34	-5	ENE	2	-	c	2	3	39	32					
	Christiansund	1013.3	34	-	0	b	2	+2	32	-4	?	1	-	b	4	-	36	32					
	Skudesnaes	1012.3	34	ENE	2	b	1015.0	0	36	-9	-	0	-	b	1	-	45	34					
Færder (Xlaan Fjord)	1013.1	36	NE	2	r	1016.2	+3	37	+3	ESE	1	-	o	1	6	?	?						
The Scaw (Skagen)	1011.7	39	SSE	1	o	1015.5	+2	39	+2	S	1	-	c	3	2	41	36						
Blaavands Huk	1010.7	37	SW	3	c	1013.2	+3	32	-5	ESE	2	-	c	2	-	39	30						
FRANCE, &c.	Haparanda												*	*	*	*	*	*	*	*	*	*	
	Hernösand												*	*	*	*	*	*	*	*	*	*	
	Stockholm												*	*	*	*	*	*	*	*	*	*	
	Wisby												*	*	*	*	*	*	*	*	*	*	
	Karlstad												*	*	*	*	*	*	*	*	*	*	
	Petrograd (5 a.m. G.M.T.)												*	*	*	*	*	*	*	*	*	*	
	The Helder	1006.1	39	S	5	o	1008.3	+2	36	+2	SE	2	-	b	1	3	39	32					
	Brussels	*	*	*	*	*								*	*	*	*	*	*	*	*	*	*
	C. Gris Nez	1007.5	39	SE	3	o	1005.3	0	33	-8	SSE	3	-	f	0	-	43	32					
	La Hève	1007.8	38	SW	3	o	1005.6	*	37	0	SSE	2	-	o	2	-	46	34					
Ushant	1003.9	43	S	5	o	1001.3	*	40	-3	E	3	-	c	5	-	46	36						
Brest (St. Mathieu)	1006.0	45	ESE	3	bc								*	*	*	*	*	*	*	*	*	*	
Roche fort (Ile d'Aix)	1008.8	43	S	1	c	1001.9	-3	38	0	ESE	5	-	o	*	1	45	34						
Biarritz	1010.6	43	SSW	2	bc	1000.8	-1	43	-2	WSW	3	-	r	4	3	46	41						
SOUTHERN EUROPE.	Paris	1009.1	36	SE	1	r	1005.5	0	36	+2	N	1	-	o	*	3	39	34					
	Belfort												*	*	*	*	*	*	*	*	*	*	
	Lyons	1011.9	37	SSW	1	o	1007.0	*	30	-1	-	0	-	b	*	-	40	30					
	Nice	1010.0	40	-	0	b	1004.6	-2	38	+2	-	0	-	b	2	-	52	34					
	Perpignan	1011.7	38	W	1	b	1009.3	-5	34	-2	WSW	1	-	o	*	-	50	41					
	Sanguinaire	*	49	N	2	bc	*	*	46	-2	E	2	-	r	3	-	59	41					
	Corunna (7 a.m.)																						
	Madrid (8 a.m.)	1017.6	39	SW	1	c	1006.0	+2	36		WSW	3	-	c	*	6	41	32					
	Lisbon (9 a.m.)																						
	Gibraltar																						
Rome																							
AZORES, &c.	Azores (Horta, 8 a.m.)	1023.5	*	NW	4	o																	
	Madeira (Funchal)																						

RAINFALL.

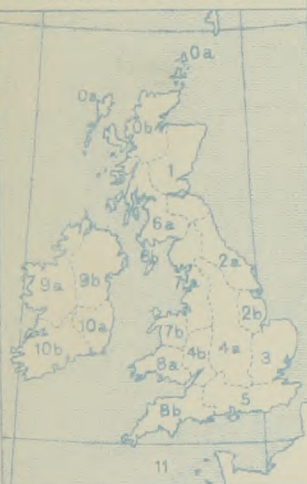
Equivalents of Millimetres.
in Inches.

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 WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings

Issued.

Western Channel and Bay 11

0 {
a) Northerly winds, light or moderate; fair to bright
b) generally, some mist locally; rather cold.

2 {
a) Northerly winds, light to moderate or fresh; some
b) local showers and mist or fog, otherwise fair; moderately
3 low temperature.

4 {
a) Light winds, mainly Northerly, gloom, mist or fog
b) locally, otherwise fair generally; temperature low.

6 {
a) Same as Nos. 0 and 1.
b) Northerly or North-easterly winds, light or
7 moderate; mist or fog locally, otherwise fair;
temperature low.

8 {
a) Wind between East and North-east, light to fresh;
b) fair generally; rather cold.

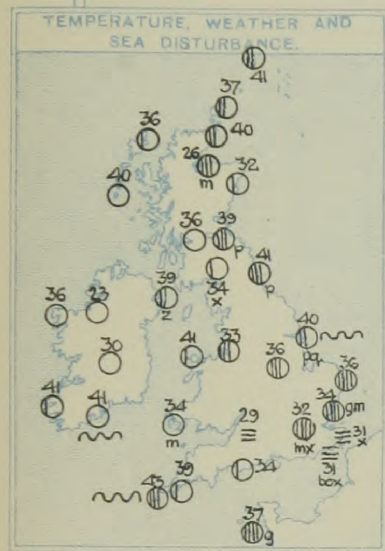
9 {
a) Wind light or moderate from some Easterly point;
b) fair to bright generally, some mist or fog locally; rather
10 cold. Easterly or North-easterly winds, moderate or fresh;
11 sea rather rough; cloudy to fair.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 23RD DECEMBER, 1914.

GENERAL INFERENCE.

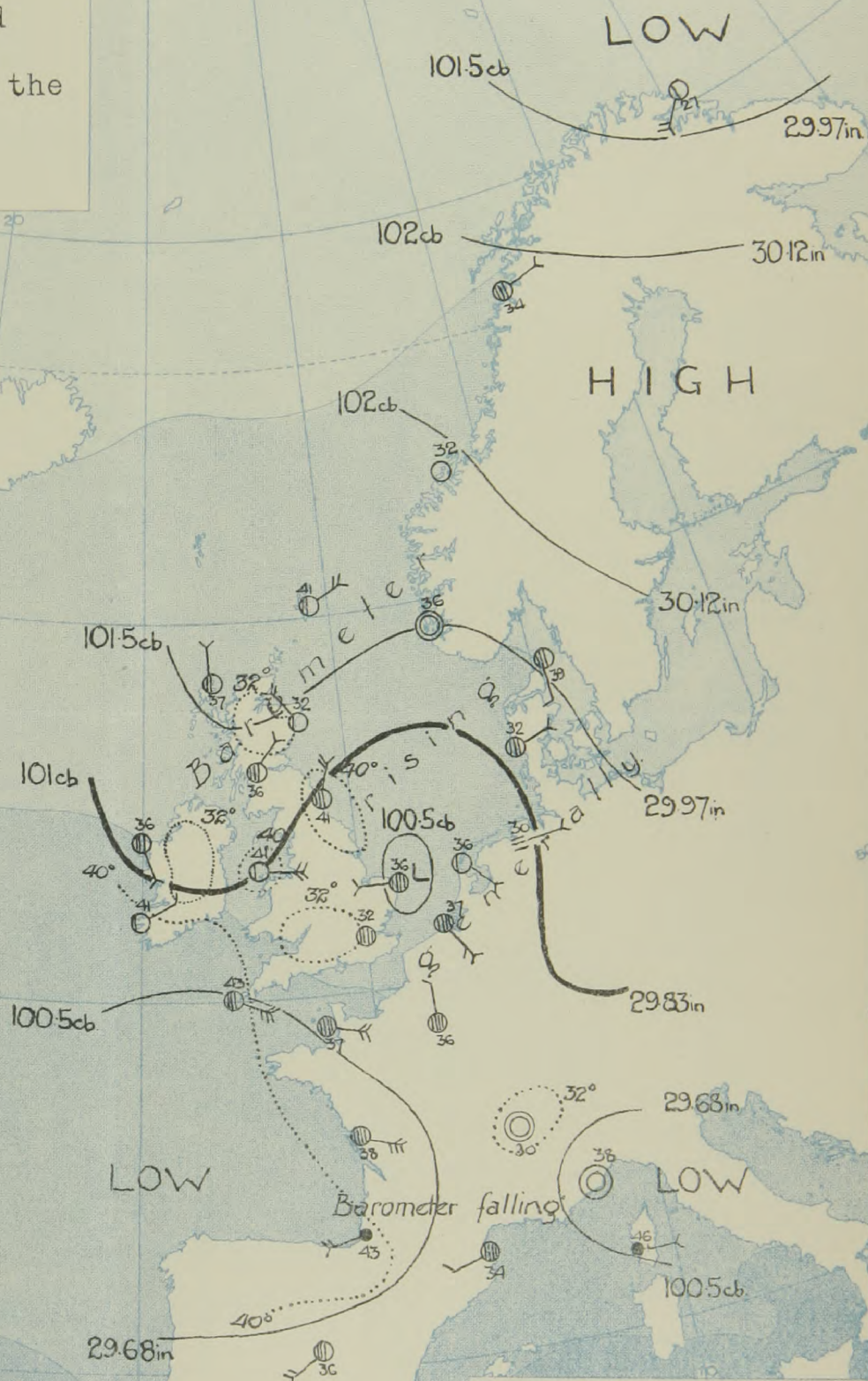
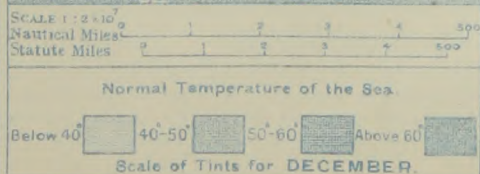
The Northern anti-cyclone seems likely to extend further to the southward over the United Kingdom.



Inches
31

30

29



EXPLANATION.

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

DAILY WEATHER REPORT.

Wednesday, 23rd December, 1914.

REPORTS
FOR
YESTERDAY.

22nd December 1914

STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.	
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	WIND.		Dirce. of Upper Cloud.	Max.	Min.						
			Dirce.	Force 0-12.						Dirce.	Force 0-12.									
Haparanda	1011.0	34	S	4	o	1015.7	+3	34	-5	SW	2	1	o	0	6	25	34			
Herrnstadt	1010.0	36	SE	4	bc	1017.2	+1	32	-16	SE	1	1	o	0	1	27	30			
Stockholm	1011.9	37	SSE	4	o	1017.7	+1	37	-1	SE	1	1	o	0	1	27	30			
Västerås	1012.0	39	3	0	o	1012.8	+1	37	-1	SE	1	1	o	0	1	27	30			
Karlsbad	1010.9	37	1	0	o	1012.3	+1	34	-1	SE	1	1	o	0	1	27	30			
Birr Castle.	1003.4	25	-	0	bc	1008.4	-	20	-5	-	0	0	bc	0	1	35	20			
Spitsbergen	1013.7	-9	-	0	b	1011.3	-	-16	-25	3	1	1	bc	0	1	9	-17			
Petrograd	1026.4	28	SE	2	o	1027.8	+1	28	-6	SSE	1	1	o	0	1	34	28			
Lyons	1012.8	39	-	0	b	1013.7	-	31	-6	SSW	1	1	bc	0	1	47	30			
Sanguinaire	1010.6	52	E	1	o	1007.9	-	48	-2	M	1	1	o	0	1	59	43			
Lisbon	1018.3	50	WSW	2	b	1019.8	0	48	+2	NNE	1	1	o	0	1	55	46			
Horta	1027.0	61	-	0	bc	1020.3	+4	57	+3	E	1	1	o	0	1	61	54			
Funchal	1013.7	52	-	0	o	1026.0	-2	55	-2	-	0	1	o	0	1	66	55			
Rome	1013.7	52	-	0	0	1011.4	0	48	-6	N	1	1	o	0	1	57	46			

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. & g.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. & g.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.						° F.	° F.			
Scot. land.													
Oban ...	-	40	28	bc	b	4.2	Tunbridge Wells ...	-	37	33	o	om	0.0
Banff ...	-	29	19	b. bc	bc	0.0	Margate ...	0.3	41	34	em	om	0.0
St. Andrews ...	-	-	-	*	*	-	Ramsgate ...	2	39	33	bc	bc	0.6
Eng. N.E.							Folkestone ...	-	41	35	o. bc	bc of	1.6
Harrogate ...	-	38	32	bc	c. bc	1.6	Hastings ...	-	40	34	o. c	o. b	0.0
Scarborough ...	-	45	38	o. c	o. c	3.6	Bexhill-on-Sea ...	2	48	37	c	o	1.7
Skegness ...	5	44	36	-	-	4.6	Eastbourne ...	0.3	40	35	bc. o	om	0.7
Eng. N.W.							Seaford ...	Trace	42	35	b	m	0.8
Morecambe ...	-	39	31	bc	b. bc	5.3	Brighton ...	-	40	36	c. bc. c	b. o. c. bm	0.2
Blackpool ...	-	38	29	m.	bc	5.5	Worthing ...	-	40	33	bc	bc	0.7
Southport ...	1	35	28	bc. bc	bc	2.5	Littlehampton ...	0.3	39	37	b. bc. c	om	0.6
Midlands.							Bognor ...	1	40	34	o	bc. c	0.8
Buxton ...	-	38	32	b	b	3.5	Southsea ...	-	39	36	om. o	o	0.0
Leamington Spa ...	3	40	31	bc	bc. bc	2.0	Bournemouth ...	-	42	29	o. cd.	b	4.8
Malvern ...	3	39	34	bc	bc	3.5	Wales.						
Ross-on-Wye ...	-	-	-	-	-	-	Rhyl ...	-	36	30	bc	bc	5.0
Wales.							Colwyn Bay ...	-	41	32	b	b	4.7
Llandudno ...	-	41	32	b	b	4.7	Aberystwyth ...	-	42	30	o. c. b	bc. o	6.0
Tenby ...	-	41	24	bc	bc	4.2	Swansea ...	-	44	30	m. b	bm	3.9
Swansea ...	-	44	30	m. b	bm	3.9	England, S.W.						
England, E.							Weymouth ...	-	43	28	bc. b	bm	6.4
Cromer ...	1	42	35	bc	bc. bc	0.9	Exmouth ...	-	42	30	o	b	5.7
Lowestoft ...	1	43	36	bc. c	c. op. bc	1.5	Torquay ...	-	42	30	o	b	5.7
Felixstowe ...	-	40	34	em	em	0.4	Paignton ...	-	46	34	bc. b	bc	3.0
Walton-on-Naze ...	1	40	34	bc. m	bc. m. c	0.9	Falmouth ...	-	48	32	c	bc	4.5
Southend-on-Sea ...	3	40	34	op. bc	o. c	0.4	Penzance ...	1	44	30	bc. b	bc	6.2
							Newquay ...	-	43	31	b	bm	5.1
							Ilfracombe ...	-	43	31	b	bm	5.1
							Weston-super-Mare ...	-	43	31	b	bm	5.1

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.							Fore- noon.	After- noon.	Night.	In Screen.		Night Min. on Grass.		Night.	Fore- noon.	After- noon.
				Max.	Min.			Max.	Min.										
				24 HOURS ENDED 9 A.M. TO-DAY.															
Greenwich (Royal Obs.) ...	91	93	0.0	40	30	26	-	0	0	b.c. of	Dublin to 4 p.m.	mm. §	° F.	° F.	F.			*	
City (Bunhill Row) ...	*	*	0.0	*	*	*	-	*	*	*	Darwen to 9 p.m.							*	
Westminster (St. James's Pk.)	64	92	0.0	42	31	29	-	0	0	0. cm	Manchester "							*	
Camden Sq. (Brit. Rainfall)	68	95	0.0	40	29	27	-	0	0. c	*	Birmingham "				*			*	
Hampstead (Reservoir) ...	*	68	0.0	38	26	18	-	c.0	b.c. of	of	Oxford to 8 p.m.	*				*		*	
Richmond Park ...	*	*		VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										Teignmouth to 9 p.m.	*				*
Kew. (See front page.)				Total.										Plymouth "					*
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				65 Joules		Average Rate.		Max. Rate.			S. Kensington	1	41	35	30	b.c. or c	om	cm. om	*
S. Kensington (Roof of M.O.)	80	64	0.0	65 Joules		2.3 Milliwatts.		7 Milliwatts.			(Museum Grounds to 6 p.m.)								*

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

	22nd Dec.	23rd Dec.	24th Dec.
Yarmouth ...	8.5	11.52	3.39
Greenwich ...	8.6	11.53	3.40
Wick ...	8.7	12.0	3.5
Valencia ...	9.50	12.40	4.30

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 32° in some
Scottish localities and below 40° in some parts of
England and Ireland. Slight rain fell in various
districts, and except in South-Western England, Wales
and Lancashire there was little 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;
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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Termini in London.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 358

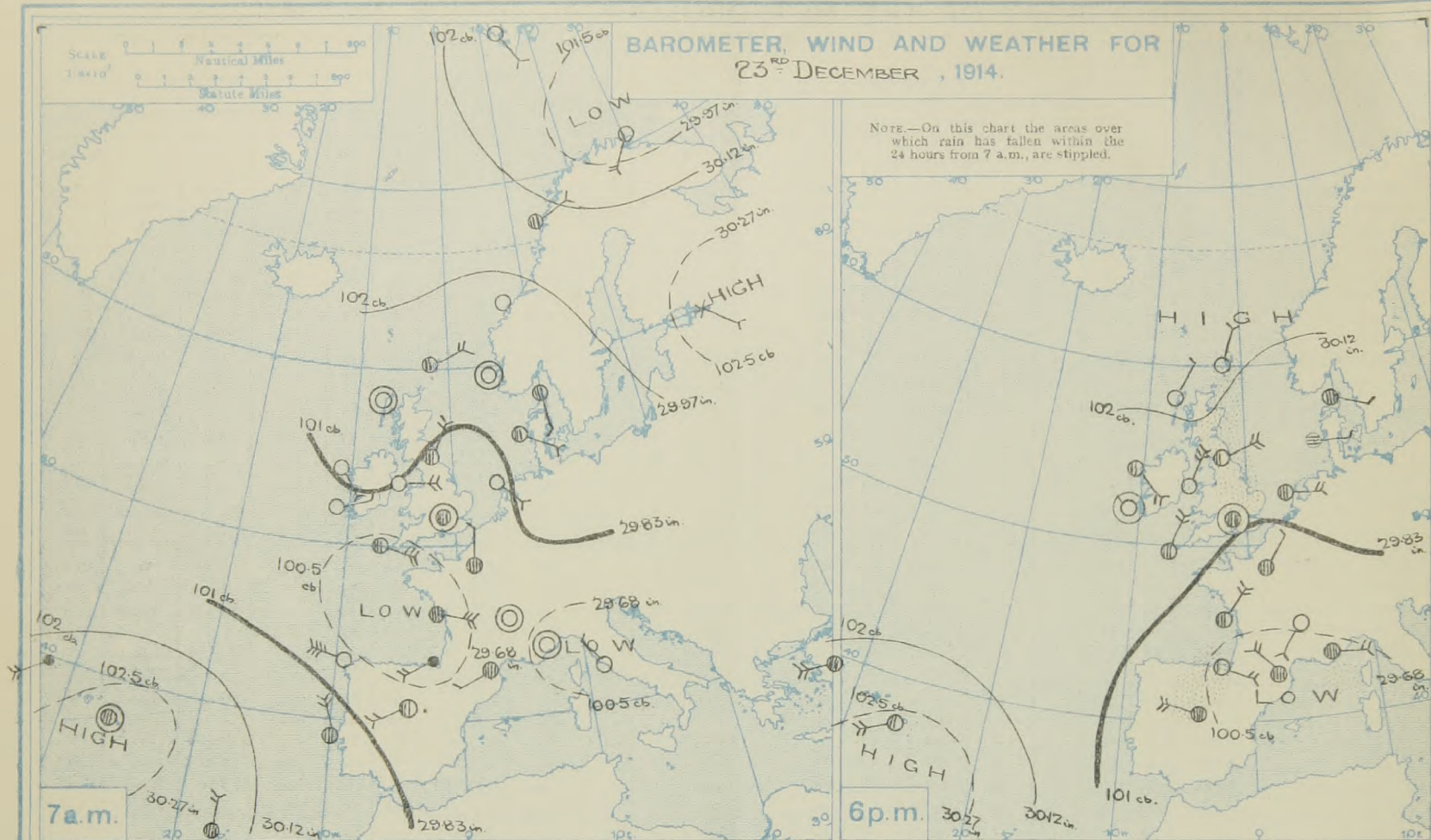
Thursday, 24th December, 1914.

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.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-3.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours °F.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick ...	1020.2	39	NNE	2	b	1021.9	+2	40	-1	NNE	2	N	bc	2	2	42	36	bcp	bcp	bc	*
	Deerness ...	1020.3	37	NE	1	bc	1021.3	*	35	-2	N	1	N	c	1	-	49	35	bc	bc	bc, b	1.3
	Stornoway ...	1020.8	32	NE	1	bz	1022.3	+1	28	-8	-	0	-	b	0	-	37	26	bz	bz	b	3.1
	Castlebay (Barra Isd.)	1019.3	41	E	2	c	1021.0	0	41	+1	S	3	-	bc	4	-	44	37	b	b	c, bc	5.7
	Glasgow ...	1018.5	36	NE	2	b	1023.1	+2	28	-8	-	0	-	b	*	Trace	41	28	c, bc, b	bc, c, bc	b, bc, bf	4.2
	Eskdalemuir ...	1016.9	35	N	3	bc	1022.5	+2	33	-1	N	1	-	ox	*	1	37	30	bc, c, op	c, cp, bc	bc, c	0.0
	Malin Head ...	1017.8	40	NE	2	bc	1021.5	0	34	-2	SW	2	-	bm, x	3	-	42	34	bc	bc	bm, x	4.0
	Markree Castle ...	1016.9	26	-	0	b	1022.3	*	16	-7	-	0	-	b	*	-	*	*	bc	bm, x	bc	3.3
	Blacksod Point ...	1017.1	35	SSE	3	b, c, y	1020.5	+2	34	-2	SSE	2	-	bc	2	-	39	32	bc	bc, y	bc, bc	*
	Valencia ...	1016.6	36	-	0	b	1022.0	+3	32	-9	NE	1	-	b	3	-	44	28	b	b	bc	5.7
	Roche's Point ...	1017.1	38	ENE	2	b	1021.8	*	33	-8	N	2	-	b	3	0.2	44	33	bc, b	bz	bc	*
	Birr Castle ...	1019.0	26	-	0	b	1022.4	*	25	-5	-	0	-	f	*	-	35	25	bc	bz	fx	4.2
	Donaghadee ...	1016.4	40	NE	4	bz	1021.6	+2	40	+1	NE	2	-	bc, m	2	-	42	37	bc, y	bz	bc, c	*
	Liverpool (Bidston) ...	1013.6	39	N	3	o	1021.8	+3	34	+1	-	0	-	b	1	-	40	33	bc, m	bc	bc, x	3.6
	Holyhead ...	1015.0	44	NE	5	b	1021.0	+3	36	-5	SE	2	-	bc	1	Trace	45	35	bc, c	c, o, bc, b	bc, c, x	2.2
	Pembroke (St. Ann's) ...	1013.9	40	ENE	3	bc	1021.1	+4	38	+4	ENE	2	-	b	2	-	42	33	bc, m	cg	bc, m	5.6
	Scilly (St. Mary's) ...	1012.9	44	NNE	4	c	1019.3	+3	43	0	NNE	3	-	bc	4	-	45	40	cm	b, c	bc	5.8
	Falmouth ...	1013.0	39	N	1	bc	1020.3	+5	35	-4	N	1	-	bc	3	-	43	34	b	b	bc	6.1
	Jersey (St. Aubin) ...	1009.0	38	W	1	o	1017.2	*	41	+4	NE	2	-	c	2	1	42	35	o, bc, m	bc, c, f, e	bc, c	1.3
	Portland Bill ...	1010.2	34	N	3	cm	1017.8	+4	34	0	NE	3	-	bz	3	-	38	33	bc, c	cm	em	*
	Dungeness ...	1009.2	35	NNW	2	bc	1016.5	+4	39	+8	NNW	2	-	op	1	3	39	31	f, c, bc	f, c, bc	mp, op	*
	Dover ...	1009.7	35	N	1	o	1017.4	+4	38	+7	NE	3	NE	bc	3	2	40	30	f, c	c, od	or, o, c	0.0
	Wick ...	1019.9	37	NNW	1	bc	1021.6	+1	31	-9	NW	1	-	bc	2	-	43	30	bc, m	bc, m	o, bc, m, x	*
	Nairn ...	1020.1	33	-	0	c	1022.6	*	30	+4	-	0	-	bc	1	3	33	24	cp	bc, cd	p, cg	0.6
	Aberdeen ...	1019.2	34	NW	3	b	1021.7	+1	31	-1	WNW	3	-	bc	2	0.3	38	30	bcp	c, bc, b	bc	0.5
Leith ...	1018.1	40	NNE	2	o	1020.5	+3	33	-6	W	2	-	b	*	0.3	40	32	cp	c, o	o	*	
Tynemouth ...	1014.4	41	ENE	4	bc	1021.0	+2	35	-6	NW	2	-	bm	3	4	44	35	bcp	bcp	bc, m	*	
Spurn Head ...	1011.5	44	E	5	c	1019.8	+2	40	0	E	2	-	bc, y	4	1	44	38	bcp, y	cp, y	bc	1.1	
Yarmouth ...	1011.9	40	E	2	o	1019.0	+5	40	+4	NE	3	-	o	2	0.2	43	35	om	om, r	o, bc, o	0.0	
Clacton-on-Sea ...	1009.6	37	NNW	1	em	1017.7	+5	38	+4	NW	2	-	og	2	3	38	33	og, f, m	og, cm	og, p, r, s	0.0	
Nottingham ...	1011.6	38	NE	3	b	1020.3	*	35	-1	NE	1	-	c	*	0.4	39	32	c, bc, m	cm, b	c, b	0.0	
Bath ...	1011.8	36	NNW	1	o	1020.6	*	30	+1	N	1	-	b	*	-	39	29	m, o, c	om	od, o, bc, m	0.0	
London (Kew Obsy.) ...	1011.1	37	-	0	om	1019.1	+4	34	+2	NE	1	-	bm	*	0.1	37	31	om, x, om	om	om, o, cm	0.0	
ICELAND, FAEROE, &c.	Spitsbergen ...	1027.1	0	SE	1	c	1024.7	*	1	-	-	0	*	3	*	*	10	-6	*	*	*	*
	Isafjord ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Reykjavik ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Vestmanna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Seydisfjord ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Thorshavn ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NORTHERN EUROPE.	Vardö ...	1023.1	20	N	3	o	1027.4	+1	25	-	W	2	-	o	3	*	32	27	*	*	*	*
	Bodö ...	1020.7	32	E	2	b	1028.3	+3	25	-	F	4	-	b	2	-	30	23	*	*	*	*
	Christiansund ...	1021.7	34	-	0	c	1024.3	+1	30	-	-	0	-	b	3	-	34	28	*	*	*	*
	Skudesnaes ...	1019.1	37	-	0	b	1020.3	0	36	-	-	0	-	c	1	-	37	32	*	*	*	*
	Færder (X'iania Fjord) ...	37	2	o	o	o	1019.3	0	36	-1	E	2	-	o	2	-	37	34	*	*	*	*
	The Scau (Skagen) ...	1018.6	37	SE	1	o	1017.9	0	36	-3	NE	5	-	c	4	-	39	34	*	*	*	*
	Blaavands Huk ...	1016.6	32	E	1	f	1018.1	0	28	-4	F	2	-	f	2	-	36	27	*	*	*	*
	Haparanda ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Hernösand ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Stockholm ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FRANCE, &c.	Wisby ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Karlstad ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Petrograd (5 a.m. G.M.T.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Helder ...	1012.6	36	E	3	c	1018.4	+4	37	+1	N	2	-	c	1	-	37	34	*	*	*	*
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	C. Gris Nez ...	1009.2	33	E	2	f	1016.7	+4	36	+3	ENE	3	*	m	2	-	37	32	*	*	*	*
	La Hève ...	1010.1	37	ENE	1	m	1015.3	*	37	0	NE	2	*	m	1	-	41	36	*	*	*	*
	Ushant ...	1012.0	41	E	5	b	1018.7	*	41	+1	NE	5	*	b	4	-	45	36	*	*	*	*
	Brest (St. Mathieu) ...	1011.7	41	E	3	o	?	+3	41	+3	N	2	*	b	5	-	45	37	*	*	*	*
	Rochefort (Ile d'Aix) ...	1006.4	39	NE	4	c	1014.9	+2	37	-1	NNE	4	*	c	*	-	45	36	*	*	*	*
	Biarritz ...	1003.0	42	ESE	3	b	1014.3	+4	37	-6	ESE	3	*	o	6	16	45	37	*	*	*	*
SOUTHERN EUROPE.	Paris ...	1008.2	37	NNE	1	o	1014.6	+4	36	0	NE	1	-	o	*	-	30	36	*	*	*	*
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lyons ...	1006.9	32	SW	3	b	1011.9	*	30	0	N	2	*	o	*	-	39	30	*	*	*	*
	Nice ...	1004.0	38	E	3	o	1001.2	-2	42	+4	E	4	*	o	4	-	48	36	*	*	*	*
	Perpignan ...	1002.0	45	NW	3	o	1006.7	+3	43	+9	NW	5	-	o	*	-	46	32	*	*	*	*
	Sanguinaire ...	1001.2	49	E	3	o	996.2	*	50	+4	E	3	*	o	3	3	59	41	*	*	*	*
	Corunna (7 a.m.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Madrid (8 a.m.) ...	1006.6	41	WNW	4	o	1014.9	+4	41	+5	NW	2	-	c	*	2	43	36	*	*	*	*
	Lisbon (9 a.m.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AZORES, &c.	Gibraltar ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Rome ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AZORES,																						

RAINFALL.

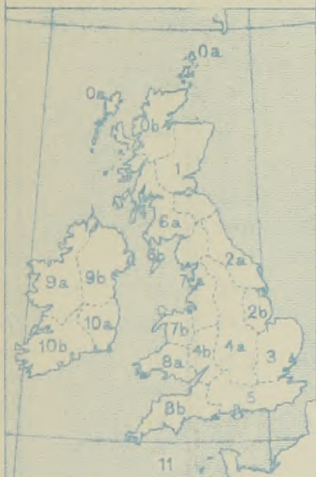
Equivalents of Millimetres, in Inches.

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 THURSDAY TO NOON FRIDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

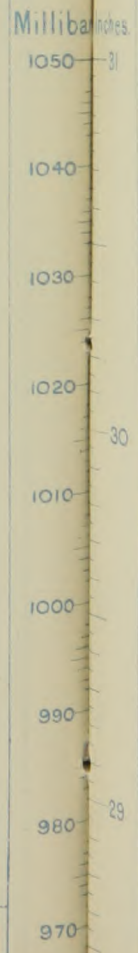
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

Western Channel and Bay 11

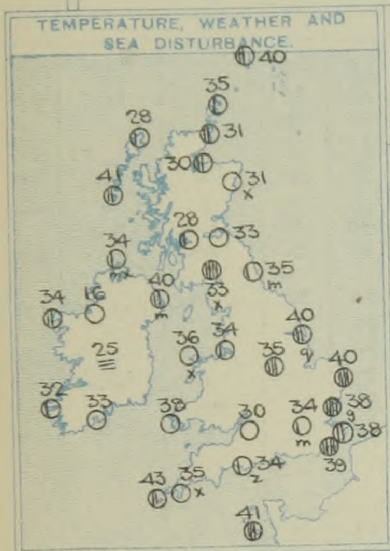
- 0 { a } Wind light, mainly between North-West and North-East; fair to bright generally, but mist or fog locally; temperature low.
- 1 { b }
- 2 { a }
- 2 { b }
- 3 { a }
- 3 { b } Light winds, mainly North-Easterly; cloudy to brighter, some mist locally; temperature rather low.
- 4 { a }
- 4 { b }
- 5 { a }
- 5 { b }
- 6 { a }
- 6 { b } Wind light variable to Southerly; fair to bright generally, but mist or fog locally; cold.
- 7 { a }
- 7 { b } Light variable winds; fair to bright generally, but mist or fog locally; cold.
- 8 { a }
- 8 { b } Northerly or North-Easterly winds, light; fair or bright generally; temperature rather low.
- 9 { a }
- 9 { b } Light variable winds; some mist or fog, but mostly fair or bright; cold.
- 10 { a }
- 10 { b } North-Easterly winds, light or moderate; sea moderate; fair generally.
- 11 { a }
- 11 { b }

FURTHER OUTLOOK.



GENERAL INFERENCE.

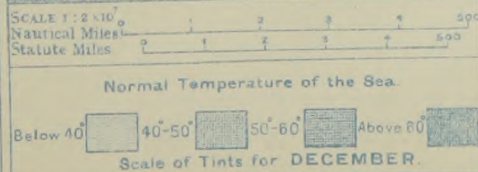
The general condition
is likely to continue anticyclonic.



Inches.
31

30

29



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 ~~~~~.

DAILY WEATHER REPORT.

Thursday, 24th December 1914.

REPORTS
FOR
YESTERDAY.

23rd December.

STATIONS.

EVENING OBSERVATIONS.

OBSERVATIONS AT 7 A.M., G.M.T.

Malin Head.
Spitzbergen
Petrograd
Corunna
Lisbon
Rome
Horta
Funchal1006.3
1013.6
1029.6
1006.7
1015.4
1003.5
1024.335
3
27
48
54
43
59SE
N.E.
S
S.W.
S.W.
N
N.N.E.3
4
1
6
4
3
2bc
o
o
o
o
r
bc1012.9
1019.1
1027.9
1005.2
1003.1
1003.7
1025.1
1023.0+4
+2
+8
+4
+1
+2
-1
+130
0
28
50
48
43
58
61+16
2
7
0
-5
-1
+6SE
SSE
SSE
W.N.W.
N.N.W.
N.W.
S.W.
N3
2
2
7
4
1
4
3-
-
-
-
-
-
-
-bc
b
s
b
c
b
bc
o3
3
3
5
7
35
4
2-
-
-
19
9
35
-
-39
30
27
50
56
54
61
6234
-10
27
45
43
48
50
55

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot. land.	mm. §	° F.	° F.			Hr.	(Tunbridge Wells ...	mm. §	° F.	° F.			Hr.
Oban ...	-	41	27	bc. g	b	5.0	Margate ...	-	37	30	om	om	0.0
Banff ...	1	40	22	bep. bc	bep. bx	3.7	Ramsgate ...	3	40	35	g	r	0.0
St. Andrews ...	3	?	38	*	*	0.7	Folkestone ...	3	36	30	g	g.r	0.0
Eng. N.E.							Hastings ...	3	36	30	f	or	0.0
Harrogate ...	3	38	32	bc. cp	cp	0.7	Bexhill-on-Sea ...	-	37	30	f	o	0.0
Scarborough ...	*	44	37	o.c	o.c	0.2	Eastbourne ...	-	44	35	cm	om	0.3
Skegness ...	2	41	34	orh	bc. o	0.9	Seaford ...	-	37	31	om	om	0.0
Eng. N.W.							Brighton ...	-	37	32	o.c. bc	com. ac	0.3
Morecambe ...	-	39	28	bc. c	c. o	4.0	Worthing ...	-	37	32	c	e	0.1
Blackpool ...	-	39	28	bc. c	c. o	4.0	Littlehampton ...	-	39	*	cg	cg	0.5
Southport ...	-	39	28	bc. c	c. o	4.0	Bognor ...	1	37	33	o	bc. o	0.9
Midlands.							Southsea ...	-	37	32	om. o	o	0.0
Buxton ...	1	35	28	c	c. o	1.9	Bournemouth ...	-	35	28	o	o	0.0
Leamington Spa ...	0.3	36	26	u. c	cd	0.0	Weymouth ...	-	37	29	m. b	bc. m	1.0
Malvern ...	-	37	26	c. bc	bc. b	1.0	Exmouth ...	-	39	31	b	bc. c. b	0.0
Ross-on-Wye ...	-	37	26	c. bc	bc. b	1.0	Torquay ...	-	39	31	b	bc. c. b	0.0
Wales.							Paignton ...	-	40	36	b	b	6.1
Rhyl ...	-	42	25	b	b	2.1	Falmouth ...	2	40	36	b	b	6.4
Colwyn Bay ...	-	42	28	c. bc	c. o	0.1	Penzance ...	1	43	38	b	b	6.5
Llandudno ...	-	43	30	o	o	0.0	Newquay ...	-	42	34	bc. bz	bz	6.5
Aberystwyth ...	-	40	29	o. c. b	c. o	4.0	Ilfracombe ...	-	44	33	ac. bc	bc. c	3.0
Tenby ...	-	40	33	bc	b	6.2	Weston-super-Mare ...	-	43	29	f. o. bc	bc. b. bc	3.2
Swansea ...	-	40	33	bm	bc. b	1.5							
England, E.													
Cromer ...	2	41	38	bc	bc	1.0							
Lowestoft ...	1	40	34	m. c. o. c	c	0.1							
Felixstowe ...	-	38	31	cf.	om	0.0							
Walton-on-Naze ...	-	39	30	o. cf. c	cf. bc	0.0							
Southend-on-Sea ...	-	38	32	m. o	o	0.0							

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.		Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
Greenwich (Royal Obs.) ...	91	95	0.0	38	33	27	0.3	0.95	0	o. r. c.	Dublin to 4 p.m.	mm §	° F.	° F.	F.		Hr.
City (Bunhill Row) ...	*	*	0.0	*	*	*	*	*	*	*	Darwen to 9 p.m.						*
Westminster (St. James's Pl.)	84	89		39	34	28	-	0.05	0	bc. m	Manchester "						*
Camden Sq. (Brit. Rainfall)	87	96	0.0	38	32	28	0.3	om. o	0	*	Birmingham "						*
Hampstead (Reservoir) ...	*	96	0.0	37	28	22	-	c. o	0	bc. c	Oxford to 8 p.m.	*					*
Richmond Park ...	*	*									Teignmouth to 9 p.m.						*
Kew. (See front page.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.							Plymouth "						*
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Total.	Average Rate.	Max. Rate.					S. Kensington	-	40	32	24	bc. m	om. g. g. o
S. Kensington (Roof of M.O.)	86	88	0.0	56 Joules	2.0 Milli-watts.	9 Milli-watts.					(Museum Grounds to 6 p.m.)						*

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

24th & 25th Dec. 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.6	11.53	3.40
Greenwich ...	8.6	11.53	3.41
Wick ...	8.7	12.0	3.53
Valencia ...	8.5	12.2	3.19
	8.51	12.41	4.31
	8.51	12.41	4.32

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.

Temperature remained below 40° in most parts of the Kingdom, and below 35° in some Scottish localities. Slight rain or sleet fell locally in the east and south-east, but in several western districts there was much bright sunshine.

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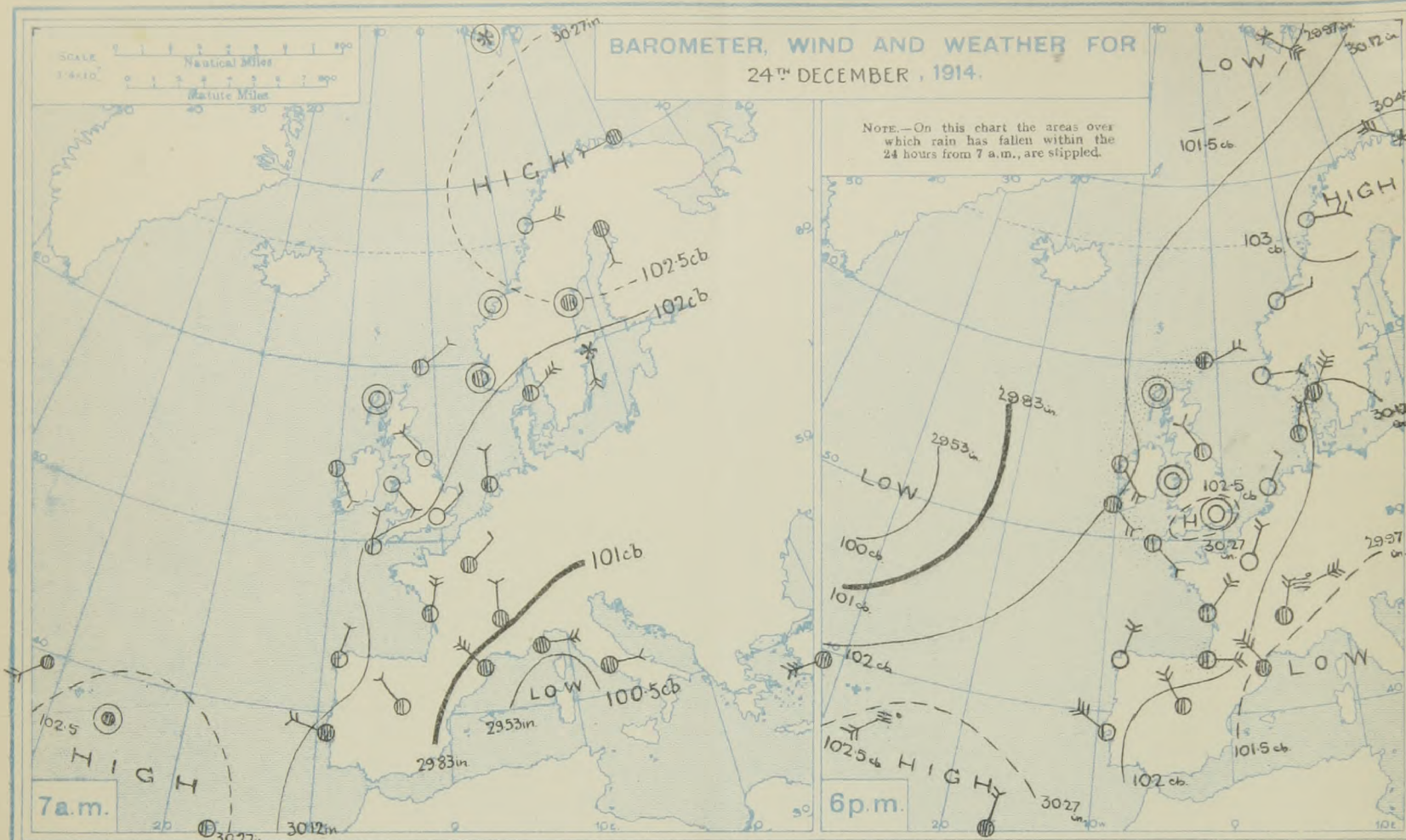
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 359.

Friday,
25th December, 1914.

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.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
			° F.				° F.	° F.								° F.	° F.						
BRITISH ISLANDS.	Lerwick	1022.0	40	ENE	3	C	1018.5	-4	41	+1	SE	3	SE	bc	3	1	41	36	bcp	bc	bc	*	
	Deerness	1022.3	37	W	1	C	1016.3	*	38	+3	SSE	3	SW	bc	3	-	39	35	b bc	bc	c bc	2.3	
	Stornoway	1022.2	28	-	0	b	1011.7	-6	42	+14	SW	6	-	cg	5	1	42	26	bz	bz	cdp	2.7	
	Castlebay (Barra Isd.)	1020.5	43	SE	3	C	1010.3	-4	45	+4	SE	6	-	o	6	1	45	40	bcdp	dp.c	dp.c	0.0	
	Glasgow	1024.2	29	-	0	f	1018.9	-3	35	+7	SE	2	-	og	*	-	35	25	f	f	f.b.c	0.0	
	Eskdalemuir	1024.8	28	-	0	o	1021.2	-2	31	-2	SW	1	-	o	*	0.2	38	27	ac.c.b	b.b.c	f.c.c	4.3	
	Malin Head	1020.4	34	SSW	2	bm	1011.0	-4	38	+4	S	5	-	ogm	4	-	38	32	bcmx	bcmx	omf	4.5	
	Maikree Castle	1021.0	25	SE	2	m	1011.5	*	38	+22	SSE	4	-	o	*	-	*	*	bfx	fx	o	0.0	
	Blacksod Point	1017.9	36	NE	3	bcz	1007.0	-4	44	+10	SSW	5	SW	or	5	1	-	39	bz	bz	omr.cm	*	
	Valencia	1020.0	44	SE	3	o	1010.5	-5	47	+15	SE	4	-	r	4	5	47	29	bc	c	mr	2.4	
	Roche's Point	1023.0	45	S	2	o	1016.8	*	45	+12	SSW	6	-	r	6	3	46	33	b.bcm	bc	or.d	*	
	Birr Castle	1022.6	30	E	1	m	1013.6	*	40	+15	SE	4	-	o	*	-	40	24	fx	fx	o	0.0	
	Donaghadee	1022.5	37	S	1	m	1015.1	-2	42	+2	S	3	-	ogm	2	-	45	36	bcm	bz	bcm.og	*	
	Liverpool (Bidston)	1024.7	35	W	1	m	1022.0	-2	30	-4	SE	3	-	o	2	-	38	28	bm	bm	ox	0.2	
	Holyhead	1023.3	37	-	0	bm	1019.1	-1	42	+6	S	5	-	omeg	4	-	44	33	bm	bm	b.b.c	8.6	
	Pembroke (St. Ann's)	1024.1	41	SSE	3	bc	1019.7	-2	47	+9	S	4	-	bq	4	-	47	35	bm	bm	bcm	5.5	
	Scilly (St. Mary's)	1023.5	41	SE	2	bcm	1019.4	-3	42	+1	SSE	5	-	op	4	1	46	39	bcm	bcm	bc.op	5.9	
	Falmouth	1025.1	37	NE	1	bc	1021.2	-2	45	+10	S	3	-	o	4	-	45	34	b	b	bc.o	6.0	
	Jersey (St. Aubin)	1023.8	41	NNE	2	bm	1024.6	*	40	-1	E	3	E	bm	3	Trace	45	36	ogp.bc	bm	bm	1.7	
	Portland Bill	1024.5	38	NE	2	b	1024.2	-1	44	+10	SSE	4	S	bc	4	-	45	33	b	b	b.b.c	*	
	Dungeness	1024.1	39	ENE	2	bc	1025.4	+1	30	-3	-	0	-	bz	1	-	46	26	c.bc	bc	b.bz	*	
	Dover	1025.8	31	-	0		1026.8	+1	32	-6	-	0	-	b	2	Trace	42	31	bc	bc	bc	0.0	
	Wick	1022.7	31	W	2	bc	1017.1	-5	37	+6	SSW	2	-	bc	2	0.2	38	26	bcmx	bcmx	bcm	*	
	Nairn	1024.1	23	-	0	b	1016.8	*	23	-2	-	0	-	og	0	-	30	18	bc	bc	b.c	4.7	
	Aberdeen	1023.4	33	W	1	c	1020.0	-2	27	-4	WSW	2	-	c	2	-	36	21	bz.bc	bz.c	b.b.c	2.3	
	Leith	1024.4	32	W	1	bc	1018.3	-3	37	+4	N	1	-	o	*	-	38	26	b	bz	bz	*	
	Tynemouth	1024.0	35	NW	2	bcm	1022.5	-1	33	-2	S	2	-	bc	3	-	38	30	bcm	bcm	bc	*	
	Spurn Head	1024.3	40	WNW	2	bc	1024.7	0	32	-8	-	0	-	mx	3	0.1	41	30	bcm	bcm	b.c.m	2.7	
	Yarmouth	1024.5	37	W	2	bcm	1025.6	0	26	-14	-	0	-	bcmx	0	-	41	25	o	o.bcm	bcm	0.1	
	Clacton-on-Sea	1023.9	38	N	1	bcm	1026.0	+1	30	-8	NNW	1	-	f	1	1	42	27	ogmp.c	c.bcm	bcm.f	0.1	
	Nottingham	1024.7	30	-	0	f	1024.5	*	25	-10	-	0	-	fx	*	-	38	23	c.bm	bcm.f	fx	0.3	
	Bath	1025.4	30	W	1	m	1024.7	*	31	+1	E	2	-	m	*	-	37	26	bm.o	bm	bm.f	1.7	
	London (Kew Obs.)	1025.5	37	-	0	bm	1026.4	+1	30	-4	-	0	-	fx	*	-	41	29	bcmx	bm	bm.f	2.2	
ICELAND, FAEROE, &c.	Spitsbergen	1011.3	32	SE	6	S	1010.4	*	34	+33	W	6	*	S	*	*	34	-	*	*	*	*	
	Isafjord												*	*	*	*	*	*	*	*	*	*	
	Reykjavik												*	*	*	*	*	*	*	*	*	*	
	Vestmanna												*	*	*	*	*	*	*	*	*	*	
	Seydisfjord												*	*	*	*	*	*	*	*	*	*	
	Thorshavn												*	*	*	*	*	*	*	*	*	*	*
NORTHERN EUROPE.	Vardö	1022.4	27	NW	5	S	1035.8	-1	21	-4	SW	2	-	b	3	*	27	21	*	*	*	*	
	Bodö	1024.4	28	E	4	b	1032.0	-2	30	+5	E	6	-	b	2	-	32	25	*	*	*	*	
	Christiansund	1025.5	30	ENE	1	b	1023.4	-1	32	+2	-	0	-	b	3	-	32	30	*	*	*	*	
	Skudesnaes	1022.9	36	E	2	b	1022.7	-1	36	0	NE	4	-	o	2	-	36	32	*	*	*	*	
	Færder (Xania Fjord)	1022.1	34	N	3	o	1022.3	0	32	-4	NNW	5	-	o	5	Trace	36	30	*	*	*	*	
	The Scaw (Skagen)	1019.8	37	NNE	6	o	1021.0	0	34	-2	NE	4	-	o	3	Trace	37	32	*	*	*	*	
	Blaavands Huk	1021.9	36	NNE	2	bc	1025.3	+2	34	+6	NE	1	-	C	0	Trace	37	25	*	*	*	*	
	Haparanda												*	*	*	*	*	*	*	*	*	*	*
	Hernösand												*	*	*	*	*	*	*	*	*	*	*
	Stockholm												*	*	*	*	*	*	*	*	*	*	*
FRANCE, &c.	Wisby												*	*	*	*	*	*	*	*	*	*	
	Karlstad												*	*	*	*	*	*	*	*	*	*	
	Petrograd (8 a.m. G.M.T.)	1029.0	28	SE	2	S	1031.7	+2	28		SE	1	-	o	*	2	30	27	*	*	*	*	
	The Helder	1024.6	37	NE	1	b	1026.3	+2	37	0	W	3	-	C	1	-	43	28	*	*	*	*	
	Brussels		*	*	*	*							*	*	*	*	*	*	*	*	*	*	
	C. Gris Nez	1024.3	34	E	3	b	1025.6	+1	34	-2	SE	2	*	b	1	-	39	32	*	*	*	*	
	La Hève	1023.7	36	NE	2	m	1025.5	*	30	-7	NE	2	*	m	2	-	41	30	*	*	*	*	
	Ushant	1022.7	45	E	3	bc	1022.7	*	45	+4	S	5	*	o	3	-	46	37	*	*	*	*	
	Brest (St. Mathieu)	1023.3	43	ENE	2	bc	1024.0	-1	43	+2	E	3	*	b	5	-	45	37	*	*	*	*	
	Roche fort (le d'Aix)	1021.2	37	NE	4	bc	1024.8	0	32	-5	NE	3	*	b	*	-	39	32	*	*	*	*	
	Biarritz	1023.9	39	E	4	bc	1023.4	+1	37	0	ENE	1	*	o	5	1	41	34	*	*	*	*	
SOUTHERN EUROPE.	Paris	1022.7	34	NNE	3	b	1025.6	+3	27	-3	NNE	2	-	b	*	-	37	27	*	*	*	*	
	Belfort	1017.5	34	ENE	6	m	1021.3	*	31		ENE	7	*	m	*	-	34	32	*	*	*	*	
	Lyons	1015.4	33	NNW	4	C	1019.1	*	34	+4	NNW	4	*	o	*	-	34	30	*	*	*	*	
	Nice											*	*	*	*	*	*	*	*	*	*	*	
	Perpignan	1011.1	39	NW	6	o	1015.8	+1	39	-4	NW	5	-	m	*	-	45	32	*	*	*	*	
	Sanguinaire												*	*	*	*	*	*	*	*	*	*	*
	Corunna (7 a.m.)	1023.7	50	NNE	4	b	1025.1	0	39	-9	S	3	-	o	3	?	52	37	*	*	*	*	
	Madrid (8 a.m.)	1017.5	39	NNW	4	C	1023.1	+4	34	-7	-	0	-	bc	*	-	45	32	*	*	*	*	
	Lisbon (9 a.m.)	1021.6	52	NW	5	b	1023.8	-1	45	-5	NNW	4	-	b	*	-	55	45	*	*	*	*	
	Gibraltar												*	*	*	*	*	*	*	*	*	*	*
Rome												*	*	*	*	*	*	*	*	*	*	*	
Azores (Horta, 8 a.m.)	1024.0	*	SW	4	f	1021.2	+1	62		SW	4	-	o	3	-	63	61	*	*	*	*		
Madeira (Funchal)	1026.0	63	N	3	o	1025.9	0	59	+2	N	3	N	o	3	-	66	59	*	*	*	*		

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 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.

South Cone.

North Cone.

Signals hoisted this morning.

South Cone.

North Cone.

South Cone hoisted this morning at 8.45 in Districts 0, 8, 6 to 11.

Western Channel and Bay 11

- 0 { a }
b
- 1 { }
- 2 { a }
b
- 3 { }
- 4 { a }
b
- 5 { }
- 6 { a }
b
- 7 { a }
b
- 8 { a }
b
- 9 { a }
b
- 10 { a }
b

Freshening Southerly winds; fair to-day,
some rain to-morrow; becoming milder.

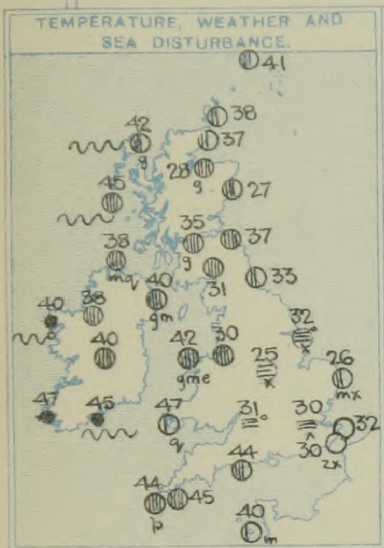
Calm or light variable airs and foggy or misty
weather, followed by moderate Southerly breezes, and
fair weather

Increasing Southerly winds, a gale in places,
dull, unsettled, some rain, becoming milder

FURTHER OUTLOOK.

GENERAL INFERENCE.

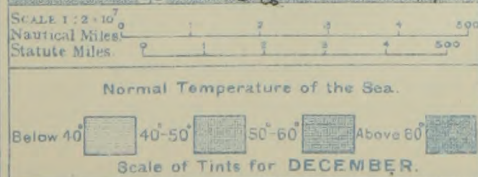
The depression which is approaching our western coasts will cause increasing Southerly winds in the west and north generally. A mild Southerly current will extend gradually over the eastern and southern parts of the Kingdom.



Inches
31

30

29



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.
 T, thunderstorm.

SEA DISTURBANCE.—Rough ~~~ High ~~~~

DAILY WEATHER REPORT.

Friday, 25th December, 1914.

REPORTS
FOR
YESTERDAY.

24th December 1914.

STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.													
	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.			
			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.		
Corunna	1008.0	50	W	6	r	1021.9	+6	48	-2	NNE	2	-	bc	3	8	54	46		
Lisbon	1016.8	48	NW	3	bc	1019.3	0	50	+2	WNW	3	-	o	1	52	48			
Rome	1006.4	46	-	0	o	1003.5	0	46	+3	E	2	-	o	3	50	43			
Funchal	1024.3	63	N	3	bc	1026.1	0	57	-4	?	?	N	bc	?	1	68	57		

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		°F.	°F.						°F.	°F.			
Scot- land.													
Oban ...	...	36	25	b, c	b	4.2	Tunbridge Wells ...	1	41	32	m, c, c	bc, cm, b	1.1
Banff ...	2	37	27	os, c	bc, c	0.5	Margate ...	2	43	35	b	c	3.6
St. Andrews ...	...	...	...	...	...	...	Ramsgate ...	4	41	34	bc	c	3.7
Eng- land.							Folkestone ...	2	44	35	f, b, bc	b, bc	4.4
Harrogate ...	...	37	31	b	b	4.3	Hastings ...	...	42	35	o, bc, b	c, b	4.1
Scarborough ...	...	...	...	...	...	...	Bexhill-on-Sea ...	...	42	36	b	bc	6.1
Skegness ...	...	41	34	bc	bc	3.2	Eastbourne ...	...	43	34	bm	bm	3.5
East- Wales.							Seaford ...	...	43	34	b	b	5.6
Morecambe ...	...	35	30	bc, b	b, bc	5.0	Brighton ...	...	43	35	c, o, c, bc	bc, c, bc	2.5
Blackpool ...	...	...	...	...	...	...	Worthing ...	...	41	34	bc	bc, b	1.1
Southport ...	...	38	29	bc	b, m	4.0	Littlehampton ...	...	37	?	c, bc	b, bc	3.9
Midlands.							Bognor ...	...	43	38	bc	b	4.6
Buxton ...	...	36	27	b	b	...	Southsea ...	...	43	32	c	bc	4.3
Leamington Spa ...	1	31	26	f	f	0.0	Bournemouth ...	...	41	31	b	b	6.3
Malvern ...	...	...	...	...	...	...	Weymouth ...	...	40	33	bc	bm	6.6
Ross-on-Wye ...	...	36	28	bc	b, f	1.0	Exmouth ...	...	41	32	bc	c, bc, b	3.1
Wales.							Torquay ...	...	41	32	bc	c, bc, b	3.1
Rhyl ...	...	34	27	m	c, bc	0.3	Paignton ...	...	43	34	b	b	6.0
Colwyn Bay ...	...	38	31	bc	bc	5.3	Falmouth ...	...	41	35	b	b	6.2
Llandudno ...	...	44	33	o, b	b	4.2	Penzance ...	...	42	33	bc, bc	bc	6.7
Aberystwyth ...	...	43	31	o, c	c, o	6.0	Newquay ...	...	44	33	c, bc, b	b	5.9
Tenby ...	...	40	31	bc	b	6.0	Ilfracombe ...	...	...	...	...	...	...
Swansea ...	...	42	32	bm	bm, b	3.2	Weston-super-Mare ...	...	...	...	...	...	...
England, E.													
Cromer ...	...	46	36	bc	bc, b	2.3							
Lowestoft ...	...	...	...	...	...	...	
Felixstowe ...	6	41	37	cp	c	0.0							
Walton-on-Naze ...	6	42	33	nc	c, bc	0.0							
Southend-on-Sea ...	2	40	34	o, c	c, bc	0.7							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	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.										
Greenwich (Royal Obs.) ...	% 92	% 100	Hr. 0.0	° F. 39	° F. 27	° F. 26	mm. § —	c *	f *	f. f. c *
City (Rushhill Row) ...	* *	* *	0.3	↓ *	↓ *	* *	* *	* *	* *	* *
Westminster (St. James's Pk.)			0.1							
Camden Sq. (Brit. Rainfall)	84	100	2.6	41	30	26	—	b. bc	bc. c	* f. c
Hampstead (Reservoir) ...	*	?	0.0	40	25	15	—	bc	f	* f. c
Richmond Park ...	*	*	0.5							
Kew. (See front page.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Total. Joules		Average Rate. Milliwatts.		Max. Rate. Milliwatts.		
S. Kensington (Roof of M.O.)	79	98	0.9							

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

25th/26th December 1914.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.6	11.53	3.41
Greenwich ...	8.6	11.54	3.42
Wick ...	8.7	12.0	3.53
Valencia ...	8.7	12.1	3.54
	9.5	12.12	3.19
	9.5	12.13	3.20
	9.51	12.14	4.32
	9.51	12.14	4.33

NOTES ON YESTERDAY'S WEATHER.

Over the major part of our northern, eastern and central districts the thermometer failed to reach 40°, and at Nairn it did not exceed 30°. At many of the coast stations the duration of bright sunshine was large, more than 6 hours at Bexhill-on-Sea, Bournemouth and Weymouth.

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

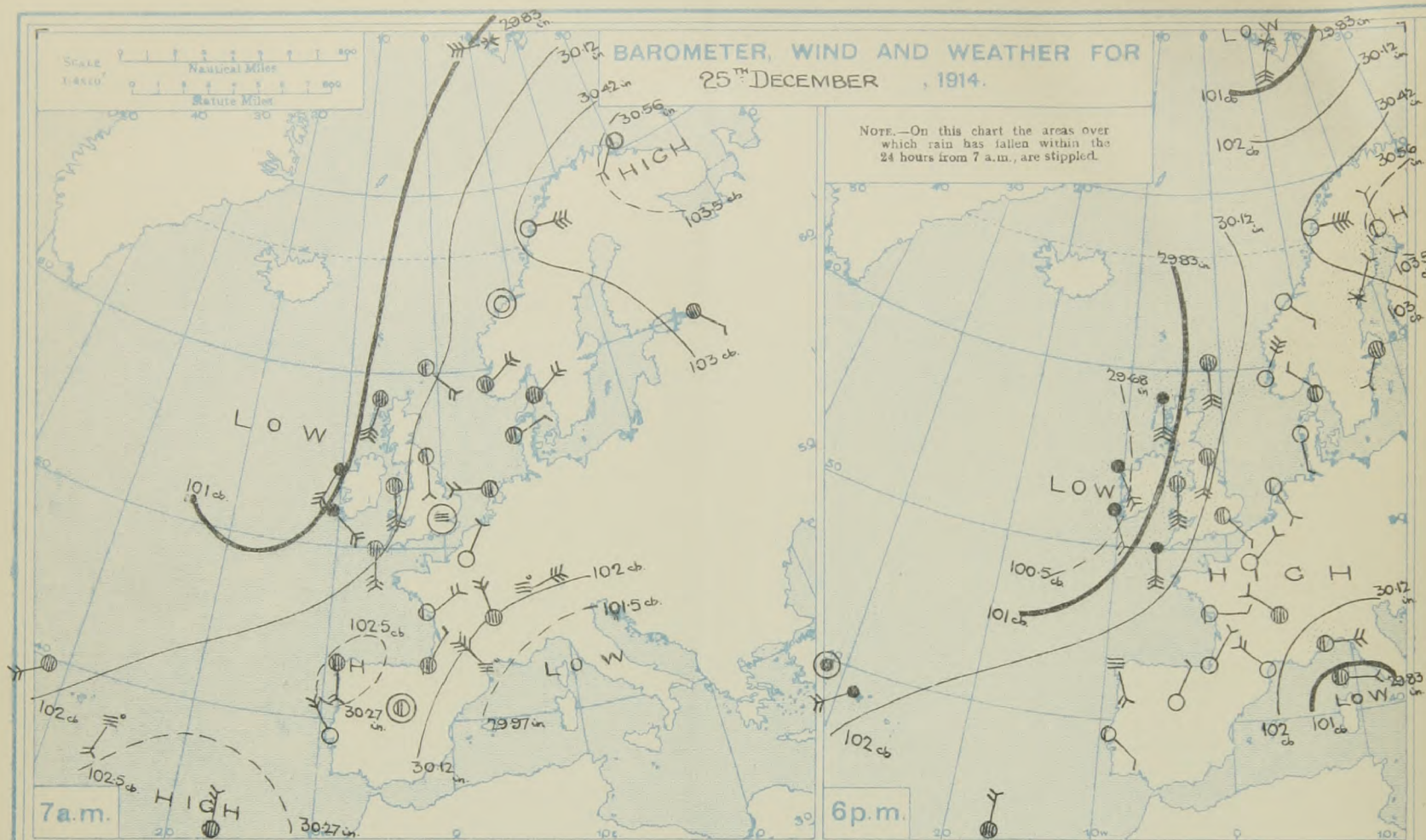
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 360

Saturday

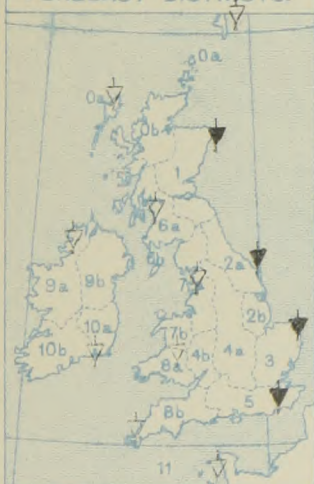
26th December, 1914.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										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.	Change in 24 hours.	WIND.	Force 0-12.	Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Dir.	Force 0-12.												Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.																						
	Lerwick	1012.4	44	S	6	0	1003.2	-7	45	+4	S	8	-	o	7	0.3	45	41	bcp	bc o	o	*
	Deerness	1003.8	41	SSE	5	omw	996.4	-7	42	+4	SSE	7	-	omw	6	3	43	36	bc.c.o	su	omg	0.0
	Stornoway	1006.1	45	S	6	odq	983.9	-6	47	+5	S	8	-	odq	6	9	47	41	d.kp	odq	omg	0.0
	Castlebay (Barra Isd.)	1005.9	47	SSE	5	op	991.0	-2	49	+4	SW	6	-	r	6	9	49	43	od	d.dp	opd.r	0.0
	Glasgow	1013.7	39	SSE	3	ogd	1001.1	-8	40	+5	SSE	3	-	r	8	8	42	34	odp	odp	odp.or	0.0
	Esksdalemuir	1016.9	34	S	2	o	1005.2	-5	35	+4	SSE	4	-	or	8	8	36	30	o.om	om o	or.s.or	0.0
	Malin Head	1005.9	46	SE	6	cg	995.5	+5	48	+10	SW	5	-	om	5	1	48	38	cg	cg	omg	0.0
	Markree Castle	1006.1	45	SSE	5	o	1002.4	+	45	+7	WNW	5	-	o	10	?	39	omd	omr	md.op	0.0	
	Blacksod Point	1004.4	46	SSE	4	omr	1002.7	+7	46	+2	WSW	6	-	cp	6	8	?	39	omd	omr	md.op	0.0
	Valencia	1004.4	51	SSE	3	r	1010.1	+13	48	+1	SW	1	-	r	5	20	54	47	mr	mr	mr.bc	0.0
	Roche's Point	1009.8	49	SSW	7	r	1008.6	+	48	+3	WNW	5	-	o	6	36	52	46	d	d	of.r.b	*
	Birr Castle	1006.5	49	SE	4	o	1004.7	+	47	+7	SW	4	-	o	11	52	39	o	o	or.o	0.0	
	Donaghadee	1010.9	46	SSW	4	ym	998.9	-6	48	+6	SSW	5	-	omrg	4	12	48	41	omr	omr	omrg	*
	Liverpool (Bidston)	1013.2	37	SE	3	o	1006.6	-5	41	+11	SE	5	-	rg	4	3	41	30	og	og	or	0.0
	Holyhead	1015.5	45	S	7	omg	1003.6	-3	47	+5	S	8	-	omrg	7	12	47	41	o.dp.od	omg	o.omrg	0.0
	Pembroke (St. Ann's)	1016.3	46	S	7	o	1007.8	+1	50	+3	SSW	6	-	omrg	6	20	50	43	rg	omrg	rg	0.0
	Scilly (St. Mary's)	1016.1	47	S	6	fd	1012.0	+3	51	+7	WSW	6	-	om	6	10	52	40	omp	omd	omp.om	0.0
	Falmouth	1013.3	45	S	4	o	1011.8	+	50	+5	SSW	7	-	r	5	13	50	44	c	og	rg	0.0
	Jersey (St. Aubin)	1024.3	39	S	4	bm	1020.7	+	40	+	SSE	5	-	ogmpd	4	0.1	41	38	bc	c.bm	b.omgd	0.0
	Portland Bill	1022.8	43	S	4	c	1016.8	-3	42	-2	S	7	-	or	6	1	46	42	c	c.bc	bc	*
	Dungeness	1026.3	36	SW	3	bc	1022.0	-4	38	+8	SSE	5	S	c	5	-	42	29	bc	bc	bc.c	*
	Dover	1027.6	35	SSW	2	b	1022.1	-4	35	+3	S	5	S	c	5	-	41	30	bc	bc	b.bc.o	5.7
	Wick	1010.8	42	SSE	4	m	997.0	-12	41	+4	SSE	5	-	r	5	1	44	37	bc.omg	omg	omrg	*
	Nairn	1010.7	38	SSE	2	cg	996.9	+	43	+15	SSE	3	-	ou	3	1	44	26	omg	lgo	cg.dar	0.0
	Aberdeen	1014.7	39	SSW	3	od	1004.3	-7	41	+14	SSE	7	-	org	5	14	42	25	c.o3	ogd	edrg	0.0
	Leith	1014.2	41	SSE	2	o	1002.5	-7	41	+4	SW	3	-	r	6	6	42	35	o	o	o	*
	Tynemouth	1018.5	35	SSW	4	om	1008.1	-5	37	+1	S	6	-	orgm	4	3	38	30	om	om	om	*
	Spurn Head	1023.5	34	S	4	m	1014.3	-2	34	+2	S	7	-	rg	6	-	37	30	f.bcm	cm	cm	0.1
	Yarmouth	1026.3	26	S	2	o	1021.7	+	38	+12	S	4	S	o	2	-	39	24	f	bc.o	bc.o	1.7
	Clacton-on-Sea	1026.0	39	SSE	3	b	1021.6	-3	38	+8	SSE	5	S	c	4	-	39	28	of	of.bm	b.bm.c	0.0
	Nottingham	1022.7	36	SW	3	o	1015.2	+	36	+11	S	3	S	r	3	3	37	24	fm.o	om	o.c	0.0
	Bath	1023.0	36	E	1	c	1015.9	+	42	+11	S	5	S	r	4	4	45	30	mrgo	m.o.c	c.org	?
	London (Kew Obsy.)	1025.9	33	SE	1	omx	1019.4	-4	38	+8	SSE	4	-	o	0.1	33	30	gx.ofs.of	of.cam	cam.bc.o	0.1	
ICELAND, FAEROE, &c.	Spitsbergen	1005.5	34	SSW	8	s	1025.3	+	36	+2	SSW	8	+	bc	*	*	34	28	GALES.			
	Isafjord...														*	*	*	*	Duration and Extreme Force in British Islands.			
	Reykjavik														*	*	*	*	Lennick 7am 26th S.B.			
	Vestmanna														*	*	*	*				
	Seydisfjord														*	*	*	*				
NORTHERN EUROPE.	Thorshavn														*	*	*	*				
	Vardö	1032.7	19	SW	7	b	1032.0	0	16	-5	WSW	5	-	b	2	*	23	19	Stornoway 25th 1pm. S.B.			
	Bodö	1030.3	28	E	8	b	1024.6	+2	28	-2	E	6	-	c	2	-	30	25	26th 3am squalls S.B.			
	Christiansund	1023.5	32	SE	1	b	1020.2	-1	34	+2	NNE	2	-	b	3	-	34	30	" 7am S.B.			
	Skudesnaes	1024.2	37	SE	6	b	1020.3	-1	41	+5	?	9	-	o	2	2	41	30	Roche's Point 25th 8pm-during night S.B.			
	Færder (Xania Fjord)	1027.8	32	WSW	2	o	1028.2	0	39	+7	WSW	5	-	o	3	-	39	30	" 8			
	The Scaw (Skagen)																	Holyhead 26th 3am 7am S.B.				
	Blaavands Huk	1028.6	36	S	2	b	1030.3	-1	32	-2	SSE	3	-	o	3	-	37	28				
	Haparanda	1037.7	10	N	2	b	1036.8	-2	21		E	2	-	o	*	1	21	5				
	Hernösand	1026.7	32	NE	2	s	1026.0	0	32		-	0	-	s	*	8	34	30	Aberdeen 26th 7am squalls 23mp.s			
FRANCE, &c.	Stockholm	1023.7	34	SW	2	o	1030.6	+2	28		SW	2	-	c	*	2	37	27				
	Wisby	1023.7	36	SW	6	c	1033.6	+2	30		SSE	2	-	b	*	10	36	28				
	Karlstad	1024.0	30	-	0	o	?1030.3	+3	30		-	-	-	o	*	2	32	25				
	Petrograd (5 a.m. G.M.T.)														*	*	*	*				
	The Helder	1028.6	30	SSE	2	b	1026.7	-1	27	-10	SSE	3	-	bc	1	-	41	27				
	Brussels	*	*	*	*	*									*	*	*	*				
	C. Gris Nez	1026.7	28	ESE	3	b	1024.4	-2	30	-4	SSE	5	*	c	3	-	37	27				
	La Hève	1026.3	59	SE	2	m	1023.3	*	32	+2	SE	2	*	bc	2	-	43	28				
	Ushant	1018.7	46	S	6	o	1015.5	*	50	+5	S	6	*	r	7	2	50	41				
	Brest (St. Mathieu)	1021.2	46	S	4	o	1017.6	0	48	+5	S	5	*	r	4	4	48	43				
SOUTHERN EUROPE.	Roche fort (Ile d'Aix)	1026.0	32	E	1	b	1025.6	0	32	0	SE	3	*	c	*	-	37	30				
	Biarritz	1025.0	37	ESE	2	b	1025.1	0	34	-3	E	2	*	o	2	-	45	32				
	Paris	1027.1	28	NNE	2	o	1027.7	-1	21	-6	-	0	-	b	*	-	36	21				
	Belfort	*	*	*	*	*									*	*	*	*				
	Lyons	1024.7	34	NW	2	o	1029.9	*	30	-4	NW	1	*	b	*	-	35	30				
	Nice	1017.1	45	E	4	bc	1026.0	+5	41		E	1	*	b	3	2	54	39				
	Perpignan	1020.7	39	NW	3	b	1026.9	+4	32	-7	W	1	-	o	*	-	43	41				
	Sanguinaire	1009.2	52	E	2	o	1013.7	*	50		E	2	*	b	4	-	61	48				
	Corunna (7 a.m.)	1023.1	46	SSE	3	f	1024.6	-2	52	+13	SSW	2	-	o	3	?	52	38				
	Madrid (8 a.m.)	1022.6	41	NE	1	b	1030.6	+4	28	-6	NE	1	-	b	*	-	43	27				
SOUTHERN EUROPE.	Lisbon (9 a.m.)	1023.9	50	SE	1	b	1025.5	0	48		-	0	-	o	*	-	52	48				
	Gibraltar	*	*	*	*	*									*	*	*	*				
	Rome	*	*	*	*	*								*	*	*	*					
SOUTHERN EUROPE.	Azores (Horta, 8 a.m.)	1019.5	*	WSW	4	r	1016.7	-1	63		SW	5	-									



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

Dist. 0 at 2.35 p.m. yesterday
Dists 1, 2, 3 & 5 at 8.10 a.m. today
Dists 6-10 at 8.45 a.m. yesterday.

Western Channel and Bay 11

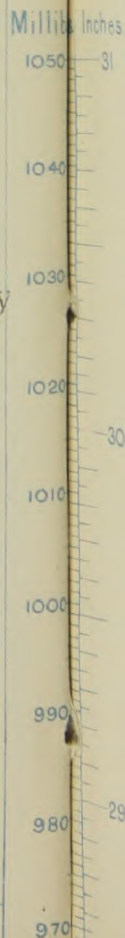
0 { a
b
1
2 { a
b
3
4 { a
b
5
6 { a
b
7 { a
b
8 { a
b
9 { a
b
10 { a
b

Southerly strong winds or gales, veering towards West and moderating later; squally, rainy to showery; moderately mild.

Wind between West and South force variable; rain at times; rather mild.

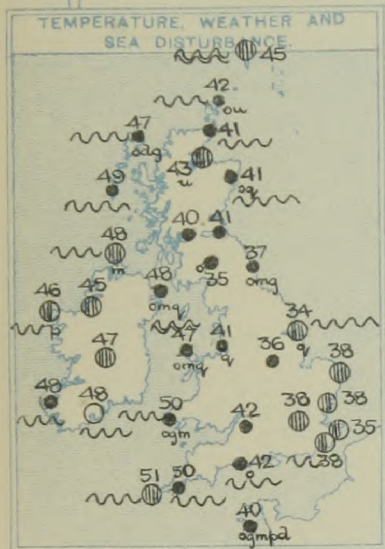
South-Westerly to Westerly winds, high to fresh; sea rough; rainy or showery.

FURTHER OUTLOOK.



GENERAL INFERENCE.

The depression will move eastward across the Kingdom



Inches.

31

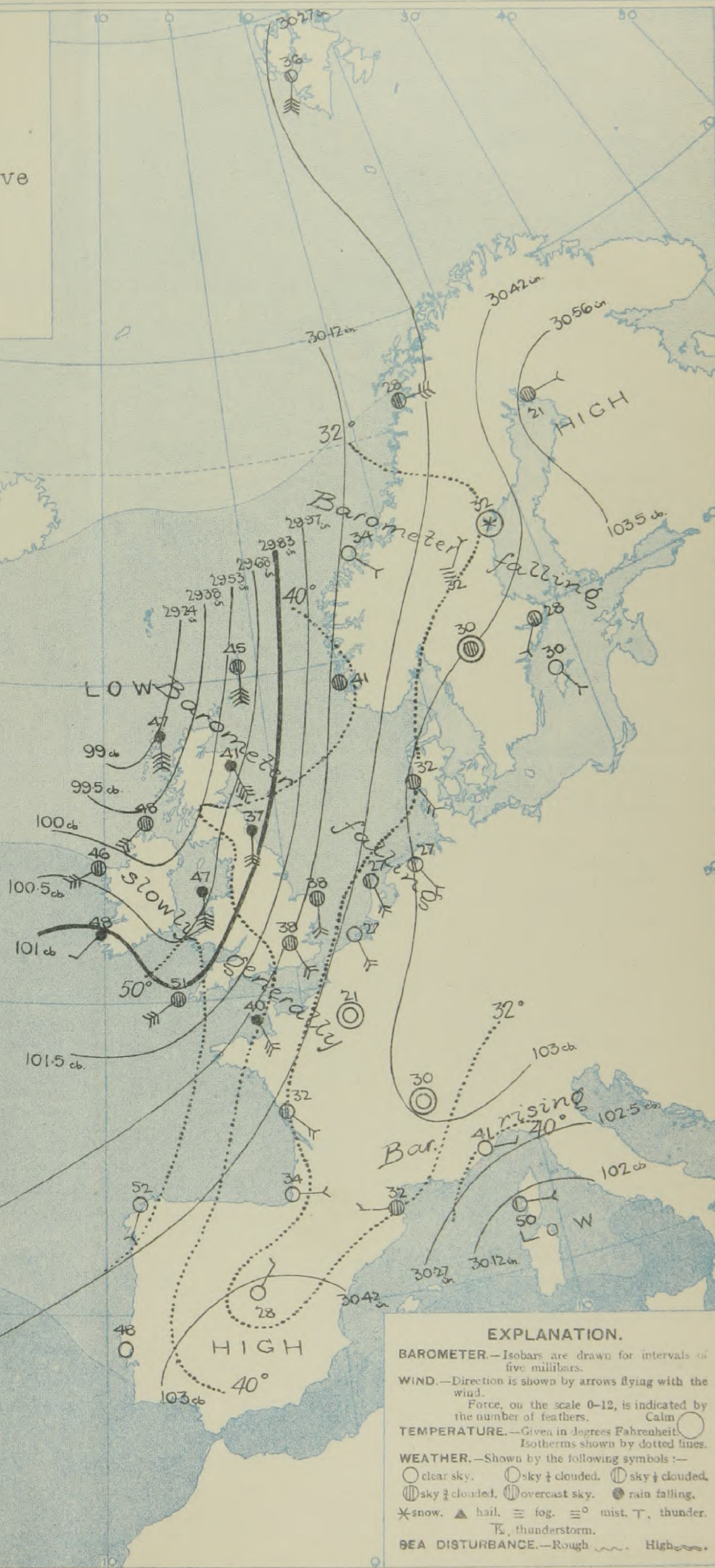
30

29

SCALE 1:200,000
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

Below 40° 40°-50° 50°-60° Above 60°
Scale of Tints for DECEMBER.



EXPLANATION.

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

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

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

TEMPERATURE.—Given in Degrees Fahrenheit.

Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—

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

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

SEA DISTURBANCE.—Rough. High.

DAILY WEATHER REPORT.

Saturday, 20th December, 1914.

REPORTS FOR YESTERDAY.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.		
	mm. §	° F.	° F.			Hr.		mm. §	° F.	° F.			Hr.	
Scot. land.	Oban	—	—	—	—	—	Tunbridge Wells	—	39	25	m.c.bc.b	c.b	1.2	
	Banff	—	37	25	bc	c	0.0	Margate	—	43	35	bc.b	b	4.7
	St. Andrews	—	?	38	*	*	0.0	Ramsgate	—	41	29	bc	bc	4.5
Eng. N.E.	Harrogate	—	35	22	om.c	o	0.0	Folkestone	—	42	33	b.bc	b.bc	4.3
	Scarborough	—	—	—	—	—	Hastings	—	42	39	b.bc	c.b	2.9	
	Skegness	—	36	26	o	o	0.1	Bexhill-on-Sea	—	—	—	—	—	—
Eng. N.W.	Morecambe	—	—	—	—	—	Eastbourne	—	41	26	m.bc.b	bc.om	1.7	
	Blackpool	—	—	—	—	—	Seaford	—	—	—	—	—	—	
	Southport	0.3	37	27	o	op.o	0.0	Brighton	—	43	29	o.c.bc	bc.c.bc	1.0
Midlands.	Buxton	—	35	22	o	o	0.0	Worthing	—	42	38	bc	bc.c	0.0
	Leamington Spa	—	36	26	c	c	0.0	Littlehampton	—	—	—	—	—	—
	Malvern	—	37	27	c	c	0.0	Bognor	—	42	30	bc	bc	0.2
Wales.	Ross-on-Wye	—	40	24	bcx.f	oe	0.0	Southsea	—	43	30	o	o	0.0
	Rhyl	—	42	27	b	b	0.0	Bournemouth	—	42	26	o	o	0.1
	Colwyn Bay	—	43	30	bc	bc	0.0	Weymouth	—	44	31	o.bc	bc.c	0.4
England, E.	Llandudno	—	—	—	—	—	Exmouth	—	—	—	—	—	—	
	Aberystwyth	—	44	35	o.c	c.om	0.0	Torquay	—	45	32	c.o	c	0.0
	Tenby	—	45	30	c.o	o	0.0	Paignton	—	46	37	c	og	0.0
England, E.	Swansea	—	—	—	—	—	Falmouth	—	46	37	c	og	0.0	
	Cromer	—	37	26	m	bemus	0.0	Penzance	—	—	—	—	—	
	Lowestoft	—	30	27	f	f	0.0	Newquay	—	44	30	o	opd	0.0
England, E.	Felixstowe	—	39	26	cfx.bc	cf.bc	0.0	Ilfracombe	—	44	33	o	o	0.0
	Walton-on-Naze	—	39	26	f.b	b.bc	0.0	Weston-super-Mare	—	—	—	—	—	
	Southend-on-Sea	0.3	42	32	f.b	b.bc	2.3							

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.				Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min on Grass.	Fore- noon.		After- noon.	Night.	In Screen.			Night Min. on Grass	Night.	Fore- noon.	After- noon.			
				Max.	Min.													Max.	Min.	
24 HOURS ENDED 9 A.M. TO-DAY.																				
Greenwich (Royal Obs.) ...	80	93	1.4	° F.	° F.	° F.	mm. §					Dublin to 4 p.m.	mm. §	° F.	° F.	° F.				Hr.
City (Beehill Row) ...	*	*	0.0	*	27	23	1					Darwen to 9 p.m.	-	47	31	30	bc.o	o.c	c.o	*
Westminster (St. James's Pk.)	77	90	0.2	41	30	30	2	fm.bc	bc	bc.orth		Manchester "		*	*	*	*	*	*	*
Camden Sq. (Brit. Rainfall)	-	34	0.0	39	31	29	2	-	-	-		Birmingham "	1	35	25	17	*	o	o	0.0
Hampstead (Reservoir) ...	*	92	0.0	38	30	21	2	of	bc. of f. or f.	*		Oxford to 8 p.m.	*	35	26	22	bfc.o	of. of f. or f.	*	*
Richmond Park ...	*	*	0.0	* VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																
Kew. (See front page.)				Total.			Average Rate.		Max. Rate.											
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Joules			Milliwatts.		Milliwatts.											
S. Kensington (Roof of M.O.)	-	89	0.2																	

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

26th-27th Dec. 1914.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	
Yarmouth ...	8.4	11.54	3.42
Greenwich ...	8.4	11.54	3.43
Wick ...	8.5	12.1	3.54
Valencia ...	8.5	12.13	3.20
	8.5	12.13	3.21
	8.5	12.42	4.33
	8.5	12.42	4.34

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 40° over a large part of the Kingdom. Rain fell in most districts, heavily in the west and south-west; at Roche's Point the measurement was 36 millimetres. Hardly any bright sunshine was recorded except in the south-east of England.

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. and at the bookstalls at certain Railway Termini in London.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No.361.

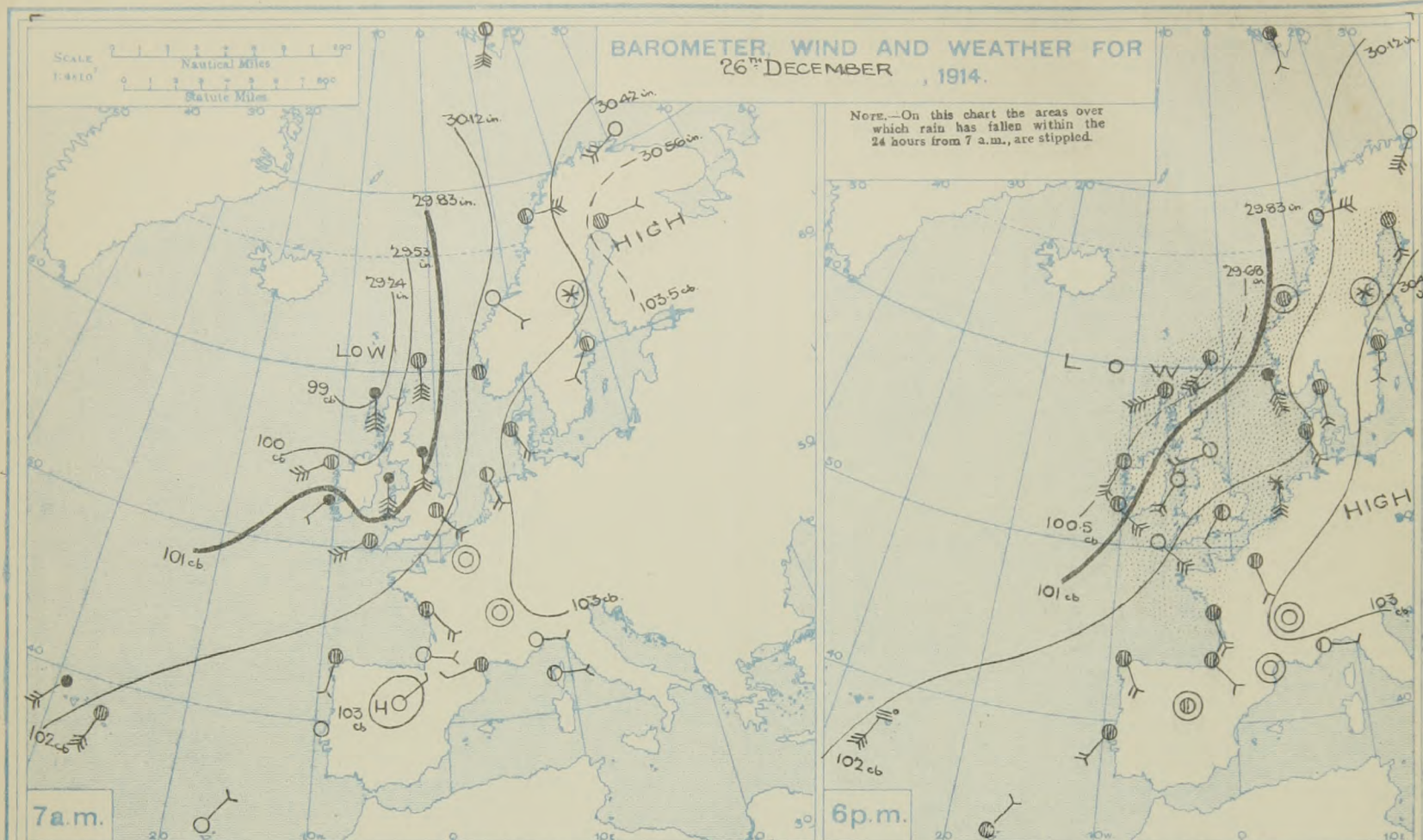
Sunday
27th December 1914.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										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 8 hours.	TEMP.		WIND.		Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.						Max.	Min.	Morning.	Afternoon.		Night.
			° F.					° F.	° F.									° F.	° F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1001.1	44	SW	7	bc	997.7	-9	45	0	S	7	-	o	8	12	45	40	or	r.bc	bc.o	*	
	Deerness ...	1005.1	40	WSW	6	b	998.1	*	44	+2	SE	8	-	ogu	6	4	45	41	or.o.c	cp.bc.b	btc.ogu	0.0	
	Stornoway ...	1002.8	44	WSW	8	cgp	976.1	-16	45	-2	SSE	9	-	org	7	3	51	38	or.cgp	cgp	bc.org	1.1	
	Castlebay (Barra Isd.)	1005.1	48	SW	5	bc	978.2	-5	44	-8	WSW	5	-	bchp	6	7	50	35	r.o.bc	bc.o.bc	otlep	1.1	
	Glasgow ...	1012.2	40	SSW	4	b	988.9	-16	42	+2	SE	7	-	odg	5	45	37	r.o.bc.b	bg.b	bodgcp	1.4		
	Eskdalemuir ...	1014.8	35	SSW	3	b	989.9	-22	41	+3	SSE	7	-	or	8	10	43	34	or.c	or.c.b	cx.or	1.8	
	Malin Head ...	1008.3	46	SSW	4	bcg	981.9	+10	44	-7	SSE	8	S	bcgp	9	3	47	34	bcg	bcg	crq	4.2	
	Markree Castle ...	1009.8	43	SSE	3	o	984.1	*	37	-8	WSW	3	-	r	8	*	*	c.b	c.o	cgp	4.5		
	Blacksod Point ...	1005.0	46	SSW	5	cp	983.8	+7	40	-6	SSW	9	SW	opl	9	10	*	40	cp	cp	cp opl	*	
	Valencia ...	1007.4	48	SE	5	c	992.5	+8	44	-7	SW	6	-	r	6	18	53	40	bcv	bcv	omr	3.3	
	Roche's Point ...	1014.6	48	S	4	o	1000.7	*	44	-4	W	4	-	b	6	12	50	42	b	b.bc.b	or.b	*	
	Birr Castle ...	1017.8	40	S	1	bc	994.7	*	48	-7	SW	3	-	c	5	51	39	b	bc	org.c	4.8		
	Donaghadee ...	1012.4	40	SSW	3	bcg	991.7	+7	42	-6	SW	4	-	cm	4	7	48	39	bcv	bcg	omrg	*	
	Liverpool (Bidston) ...	1017.5	39	SSE	3	b	994.1	-10	45	+4	SE	5	-	p	4	4	48	36	or	b	c.op	3.1	
	Holyhead ...	1016.0	46	SW	4	b	993.1	+5	47	0	SW	5	-	grg	5	11	50	43	or.c.bc	b.bc.b	b.bc.or	4.0	
	Pembroke (St. Ann's) ...	1017.9	47	S	3	b	997.9	+6	50	0	WSW	7	-	omg	7	9	52	44	omgr	bcv	bm	3.7	
	Scilly (St. Mary's) ...	1018.2	47	SE	5	b	1003.0	+6	50	-1	W	7	-	omg	7	12	53	46	bcv	bc	cm omr	5.3	
	Falmouth ...	1019.6	44	SE	3	b	1004.1	+7	50	0	WSW	5	-	bc	5	18	52	43	o.c.b	b	rg	3.8	
	Jersey (St. Aubin) ...	1021.8	45	S	4	ome	1009.1	*	47	+7	S	6	-	ogmr	4	15	48	39	ogmr	ed.ome	re.mgr	0.0	
	Portland Bill ...	1020.1	45	NNE	1	bc	1003.3	-10	51	+9	S	8	-	or	6	22	51	42	r.o	o.c	bc.c.or	*	
	Dungeness ...	1020.8	46	SW	4	o	1010.2	-8	45	+7	S	7	SE	c	6	8	46	38	c.or	or.o	o.c.bc	*	
	Dover ...	1021.6	44	SW	5	r	1010.4	-5	43	+8	S	6	S	o	6	4	45	35	c.bc.or	or	p.or.o	0.0	
Wick ...	1006.4	37	SSW	3	o	988.5	-18	44	+3	SSE	8	-	o	6	2	44	36	ogmp	omp	bm.ogm	*		
Nairn ...	1007.2	40	SW	2	bc	984.4	*	46	+3	SSW	6	-	og	4	-	46	37	cq	bc	cq	1.0		
Aberdeen ...	1010.9	37	SSW	2	b	992.5	-18	45	+4	SSE	8	-	o	5	6	45	34	org.o	c.b	b.cq	0.0		
Leith ...	1012.7	42	SW	2	b	986.8	-10	42	+1	SE	4	-	rg	5	2	48	38	or.c	bc.b	b	*		
Tynemouth ...	1014.5	40	WSW	3	bm	990.3	-17	42	+5	SSE	5	-	omgr	5	3	44	37	omp	omp	om	*		
Spurn Head ...	1018.2	34	WSW	3	bc	1001.0	-9	42	+8	SSW	8	-	or	7	7	42	34	qrs	bc	bc	0.0		
Yarmouth ...	1020.1	39	WSW	3	o	1009.9	-10	42	+4	SSE	6	-	o	3	6	43	30	omr	omr	of	0.0		
Clacton-on-Sea ...	1020.2	41	SSW	4	o	1009.1	-9	42	+4	S	6	S	cq	5	5	43	37	c.or	or.o	bm.og.c	0.0		
Nottingham ...	1018.6	38	SW	1	b	1000.1	*	46	+10	S	6	S	r	8	4	46	28	r.om	d.om.bc	bm.f	0.0		
Bath ...	1020.0	38	W	1	m	1003.0	?	51	+9	SSW	5	S	r	14	52	33	org	o.c.bc	m.ogr	0.6			
London (Kew Obsy.) ...	1021.0	43	SW	1	bcv	1006.4	-9	46	+8	SSE	5	-	or	12	46	37	o.omr	omr	omr	0.0			
ICELAND, FAEROE, &c.	Spitsbergen ...	1012.8	34	S	2	o	1010.6	*	34	-2	SE	5	*	o	*	46	30	*	*	*	*		
	Isafjord ...												*	*	*	*	*	*	*	*	*		
	Reykjavik ...												*	*	*	*	*	*	*	*	*		
	Vestmanna ...												*	*	*	*	*	*	*	*	*		
	Seydisfjord ...												*	*	*	*	*	*	*	*	*		
	Thorshavn ...												*	*	*	*	*	*	*	*	*		
NORTHERN EUROPE.	Vardö ...	1029.2	18	SW	7	b	1022.7	0	23	27	SSW	3	-	b	3	*	23	14	*	*	*		
	Bodö ...	1017.6	41	E	5	b	1011.5	0	28	0	E	5	-	o	2	-	41	25	*	*	*		
	Christiansund ...	1012.4	37	-	0	o	1010.4	0	37	+3	-	0	-	b	3	1	41	30	*	*	*		
	Skudesnaes ...	1015.1	39	SSE	10	r	1012.6	?	41	0	SE	9	-	o	7	10	41	36	*	*	*		
	Færder (X'ania Fjord) ...	1025.7	36	S	6	o	1022.0	-2	36	-3	SSW	4	-	bc	3	-	39	34	*	*	*		
	The Scaw (Skagen) ...	1026.4	34	S	4	o	1021.7	-2	37	?	S	4	-	o	4	-	37	32	*	*	*		
	Blaavands Huk ...	1021.1	30	SSE	4	o	1020.0	-3	34	+2	SSE	4	-	o	4	1	36	28	*	*	*		
	Haparanda ...	1027.7	28	S	4	o	1021.7	+1	30	+9	SW	4	-	o	*	4	32	19	*	*	*		
	Hernösand ...	1025.7	30	-	0	s	1021.1	-1	30	-2	NE	2	-	o	*	3	32	28	*	*	*		
	Stockholm ...	1031.1	28	SSW	2	o	1026.9	0	34	+6	S	2	-	o	*	3	34	27	*	*	*		
FRANCE, &c.	Wisby ...	1031.5	32	SSE	2	b	1027.9	-1	34	+4	SSE	2	-	o	*	3	34	28	*	*	*		
	Karlstad ...	1028.8	30	-	0	c	1024.0	-3	34	+4	-	0	-	o	*	3	34	27	*	*	*		
	Petrograd (G.M.T.) ...	1036.8	28	SSE	1	s	1034.1	+2	27	?	SSE	1	-	o	*	2	28	27	*	*	*		
	The Helder ...	1022.7	32	S	6	s	1015.4	-5	34	+7	SSE	5	-	o	2	1	34	27	*	*	*		
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	C. Gris Nez ...	1021.9	37	SSW	7	r	1011.7	-8	38	+8	S	7	*	o	5	2	39	30	*	*	*		
	La Hève ...	1023.8	40	SSW	3	r	1012.2	*	41	+9	S	4	*	o	4	3	43	32	*	*	*		
	Ushant ...	1011.5	50	SW	6	m	1007.4	*	53	+3	WSW	3	*	o	5	11	55	46	*	*	*		
	Brest (St. Mathieu) ...	1020.8	50	E	1	m	1009.3	+4	52	+4	WSW	4	*	o	5	15	54	48	*	*	*		
	Rochefort (Ile d'Aix) ...	1026.0	37	SSE	4	o	1019.5	-3	37	+5	S	4	*	o	*	1	39	32	*	*	*		
SOUTHERN EUROPE.	Biarritz ...	1025.9	45	SE	2	o	1020.4	0	48	+14	S	2	*	b	2	-	48	34	*	*	*		
	Paris ...	1026.9	36	SSE	2	o	1020.2	-2	34	+13	S	2	-	o	*	-	37	19	*	*	*		
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Lyons ...	1030.3	35	-	0	b	1026.9	*	30	0	-	0	*	bc	*	-	41	30	*	*	*		
	Nice ...	1027.3	44	E	1	b	1022.7	-3	41	0	-	0	*	b	2	-	55	39	*	*	*		
	Perpignan ...	1028.2	37	-	0	b	1024.2	-5	37	+5	WSW												

* Information for these columns not usually received.

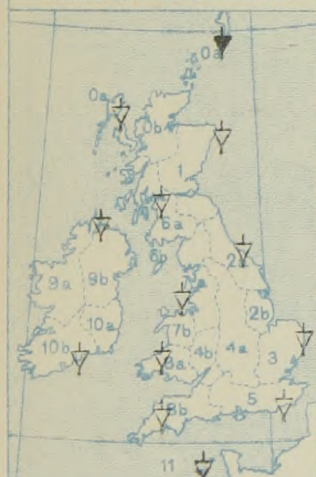
† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.



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

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.

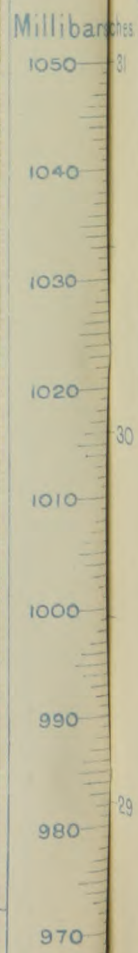
SOUTH CONE HOISTED.

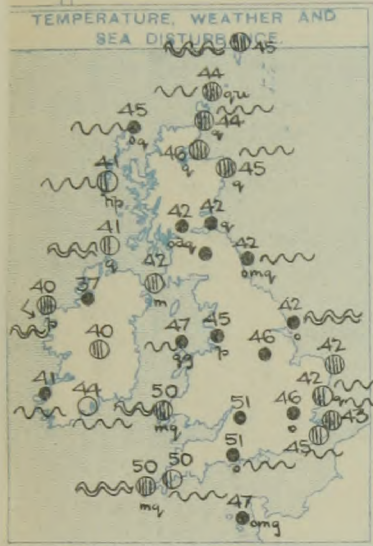
DISTRICT 06 at 4.15 a.m. today.
 1, 2, 3, 4, 5 at 8.10 a.m. yesterday.
 06, 6, 7, 8, 9, 10 at 7.0 p.m.

Western Channel and Bay

FURTHER OUTLOOK.

		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.
Station		S. Farnborough		Eskdalemuir		S. Farnborough		Eskdalemuir							
Date & Hour.		21st	10h.20m.	22nd	13h.	24th	11h.	24th	13h.						
Heights in Kilometres.	4			-7	-1										
	3			-7	-1										
	2	+15	-1	-3	0	-4	-3	+3	0						
	1	+15	-1	-5	0	-6	-3	+1	+1						
	0.5	+13	+2	-5	-2	-6	-4	0	0						
	0	+6	+3	0	0	0	-2	0	0						
Station															
Date & Hour.															
Heights in Kilometres.	4														
	3														
	2														
	1														
	0.5														
	0														





Whes.
31

04

03

02

01

30

29

28

27

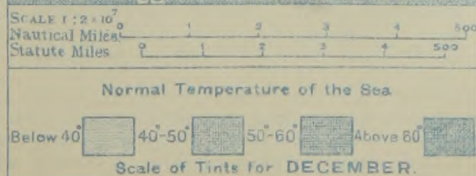
26

25

24

23

22



EXPLANATION.

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

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

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

TEMPERATURE.—Given in degrees Fahrenheit.

Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—

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

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

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

SEA DISTURBANCE.—Rough wavy. High wavy.

DAILY WEATHER REPORT.

Sunday, December 27th 1914

REPORTS FOR YESTERDAY.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain- fall. Milli- metres.	Temp. Max.	Min.
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. or Upper Cloud.	Weather.	Sea 0-9.				
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.							
December 26th, 1914.																			

December 26th, 1914.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.						° F.	° F.			
Scotland.							Tunbridge Wells ...	6	45	31	or	or om	0.0
Banff ...	4	44	37	reg. c	c. bc. b	0.1	Margate ...	5	42	33	or	or	0.0
St. Andrews ...				*	*		Ramsgate ...	1	41	37	r	r	0.0
England, N.E.							Folkestone ...	1	44	32	bc. or	or	0.0
Harrogate ...	14	43	32	or c	c. bc. b	0.3	Hastings ...	-	46	37	bc. o	or	0.0
Scarborough ...	*						Bexhill-on-Sea ...	5	41	34	or	o	0.0
Skegness ...	8	37	34	s	o. b	0.0	Eastbourne ...	8	46	38	or	or q	0.0
England, N.W.							Seaford ...						
Morecambe ...							Brighton ...	8	46	40	o. or	or	0.0
Blackpool ...							Worthing ...	9	46	40	r	or	0.0
Southport ...	16	46	36	or. b	b	2.1	Littlehampton ...						
Midlands.							Bognor ...	13	46	40	r	o	0.0
Buxton ...	10	41	32	or.	b	0.2	Southsea ...	7	43	39	or	or. o	0.0
Leamington Spa ...	7	44	28	or	c. bc.	0.5	Bournemouth ...	9	50	38	r. or	c. b	0.0
Malvern ...													
Ross-on-Wye ...	3	50	35	or	bc. bc.	0.6							
Wales.							Weymouth ...	19	51	41	or. o	bc	1.0
Rhyl ...	2	50	37	or. bc	c	3.3	Exmouth ...						
Colwyn Bay ...							Torquay ...	16	52	44	or	cp. bc. b	2.4
Llandudno ...							Paignton ...	17	53	42	bc. b	bc. m	2.0
Aberystwyth ...	7	46	42	or. c	c. bc.	3.5	Falmouth ...	15	51	44	o. c. b	b	3.8
Tenby ...	14	50	44	bc	b	4.1	Penzance ...						
Swansea ...							Newquay ...	7	51	40	odt. b	bc	4.1
England, E.							Ilfracombe ...						
Cromer ...	5	42	33	or	or	0.0	Weston-super-Mare ...						
Lowestoft ...													
Felixstowe ...	6	41	37	cp	or	0.0							
Walton-on-Naze ...	5	40	24	ou. r. 3	or q. o	0.0							
Southend-on-Sea ...	5	41	32	r	or	0.0							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	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.										
Greenwich (Royal Obs.) ...	%	%	Hr.	° F.	° F.	° F.	mm. §			
City (Bunhill Row) ...	94	94	0.0	48	36	20	11	or	o. or	or. a. f.
Westminster (St. James's Pk.)	*	*	0.0	*	*	*	*	*	*	*
Camden Sq. (Brit. Rainfall)	92	92	0.0	53	47	40	3	o. bc	ord	o
Hampstead (Reservoir) ...	-	97	0.0	48	37	30	13	-	-	*
Richmond Park	*	95	0.0	47	31	24	19	or	c. or	bc. or
Kew. (See front page.)	*	*	0.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	91	90	0.0	Total. Joules		Average Rate. Milliwatts.		Max. Rate. Milliwatts.		

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

Dec. 26th, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.4	11.54	3.43
Greenwich ...	8.6	12.1	3.44
Wick ...	8.8	12.2	3.56
Valencia ...	8.5	12.13	3.21
	8.6	12.14	3.22
	8.51	12.42	4.26
	8.51	12.43	4.36

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to between 50° and 53° at some western stations. Rain was very general, and in some districts heavy, 22 millimetres at Portland Bill. Eastern England had no bright sunshine, but in the west the records ranged up to more than 5 hours at Scilly.

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. No. 362

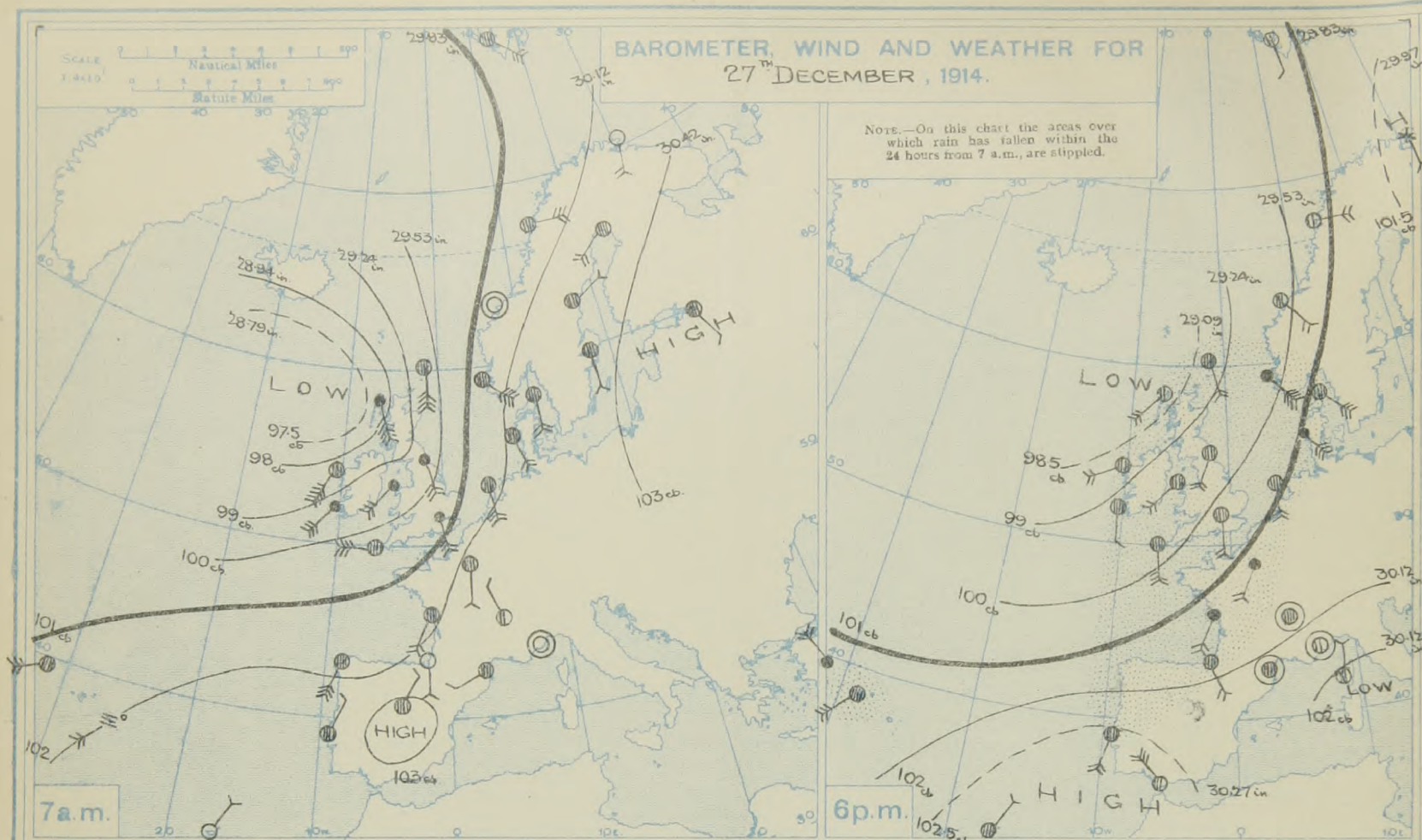
Monday, 28th December 1914.

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. Milli- bars at M.S.L.	Change in 24 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea (0-3).	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick ...	985.4	44	SSE	4	o	987.5	0	40	-5	SW	3	SW	bc	3	6	45	38	or	or	bc	*
	Deerness ...	985.4	38	SSW	4	b	986.8	*	37	-7	SSW	3	SW	b	4	7	45	36	ou.c	bc.b	b	0.0
	Stornoway ...	982.8	38	SW	5	bcq	984.2	0	36	-9	SW	4	SW	bcq	4	10	45	34	cp.rh	bcq	bh.h	0.9
	Castletown (Barra Isd.)																					
	Glasgow ...	991.9	36	SSW	2	b	988.5	-1	31	-11	SW	1	-	s	*	5	44	28	og.th	dh.b	chp.o	0.4
	Eskdalemuir ...	994.5	33	SSW	2	m	988.6	-1	32	-9	-	0	-	om	*	2	44	27	org.o	orh.f.m	bc.om	0.0
	Malin Head ...	988.5	25	SW	6	bcq	986.2	-2	32	-9	S	4	-	bc	3	3	45	32	bcq	omg.s	bc	1.7
	Markree Castle ...	990.8	34	S	3	b	989.5	*	33	-4	SSE	2	-	o	*	2	*	*	op.c	cp.s	o.c.o	2.8
	Blacksod Point ...	988.0	38	WSW	4	cp	986.8	-2	36	-4	ESE	3	S	cp.h	4	4	34	cp.h	cp.h	cp.h	cp.h	*
	Valencia ...	991.5	40	S	1	o	986.4	-6	37	-4	RNE	1	-	r	4	7	45	37	c.o	or	or	0.0
	Roches Point ...	994.7	42	SW	4	o	988.5	*	42	0	SE	3	-	o	4	1	45	35	o	op	op.o	*
	Birr Castle ...	992.7	34	S	2	bc	987.8	*	32	-8	SE	2	-	c	*	5	41	29	op.c	bc	cp.x	2.1
	Donaghadee ...	992.0	35	SW	4	bm	989.2	0	32	-10	SW	2	-	bc	1	1	42	31	cm.s	bc.m	bc.m	*
	Liverpool (Bidston)	997.1	38	S	4	r	989.7	-2	32	-13	SSW	1	-	o	2	15	47	31	o.bc.b	or	or	3.4
	Holyhead ...	995.3	44	SW	4	og	989.1	-1	41	-6	WNW	4	-	b	3	3	49	37	bc.c	op.o	op.b	0.9
	Pembroke (St. Ann's)	996.6	40	NE	2	r	989.9	-1	40	-10	E	1	-	br	1	28	50	38	og.m	mr	or.m	0.0
	Scilly (St. Mary's)	995.7	50	S	5	om	989.6	-1	46	-4	SE	3	-	or	6	6	52	43	cm	omr	omr	2.1
	Falmouth ...	997.2	49	SSW	5	r	990.4	-2	44	-6	HNW	1	-	o	4	5	52	44	bc	org	or	3.0
	Jersey (St. Aubin)	1006.8	50	SSW	3	or	993.5	*	51	+4	SW	3	-	or	3	12	55	47	og.m	bc	or	2.9
	Portland Bill ...	1002.2	49	SSW	6	or	990.3	+2	49	-2	W	3	-	o	5	6	51	46	c	or	or	*
	Dungeness ...	1006.6	47	SSW	4	o	992.1	+3	50	+5	SW	6	-	or	5	12	50	43	or.c	c.o	or	*
	Dover ...	1006.4	46	S	6	o	992.3	0	50	+7	SSW	5	S	r	6	10	50	43	or.o	p.r.o	or.d	0.0
ICELAND, FAEROE, &c.	Wick ...	986.4	37	SW	4	bc	987.6	-1	36	-8	S	3	-	b	4	1	45	36	omg.b	bc.m	bc.b	*
	Nairn ...	988.6	36	SSW	3	o	986.9	-3	30	-16	-	0	-	b	1	2	46	29	bc.c	cp.b	bc	1.0
	Aberdeen ...	990.9	37	SSW	4	b	987.9	-3	31	-14	W	2	-	b	3	5	46	30	og.r	op.b	b	0.7
	Leith ...	991.9	39	SSW	2	b	987.5	-1	38	-4	W	1	-	c	*	2	48	29	or.c	cp.c	bc.b	*
	Tynemouth ...	995.3	40	SW	4	om	987.6	-5	36	-6	WNW	1	NW	bc.m	3	3	46	35	bm	om	bc.m	*
	Spurn Head ...	996.0	43	SSW	5	c	986.0	-4	40	-2	SE	4	-	og.r	5	9	43	36	or.b	bc	og.r	2.1
	Yarmouth ...	1004.4	45	SSW	4	om	988.0	0	49	+7	SW	3	SW	o	2	6	49	40	omr	om	o	0.6
	Clacton-on-Sea ...	1005.5	45	S	4	bc	989.4	0	47	+5	S	3	SW	og	3	5	47	41	c.or.b	bc.c	og	0.3
	Nottingham ...	999.0	46	SW	3	o	989.4	*	38	-8	W	2	W	o	6	49	38	roc.b	bc.o	or	2.9	
	Bath ...	1001.7	48	SSW	4	r	990.5	*	43	-8	SW	1	SW	o	3	53	43	bc.r	bc.b	or	4.4	
London (Kew Obs.)	1005.4	48	S	3	o	990.5	+4	51	+5	SW	4	S	o	8	51	46	or.d	bc.b	or.o	2.8		
NORTHERN EUROPE.	Spitsbergen ...	1009.9	29	S	1	bc	1009.1	*	20	-14	-	0	*	bc	*	34	1					
	Isafjord ...												*	*	*	*	*					
	Reykjavik ...												*	*	*	*	*					
	Vestmanna ...												*	*	*	*	*					
	Seydisfjord ...												*	*	*	*	*					
	Thorshavn ...												*	*	*	*	*					
	Vardö ...	1015.9	30	S	2	s	1014.6	-1	29		S	3	-	c	3	*	32	10				
	Bodö ...	1008.0	28	E	4	bc	1000.2	-3	30	+2	E	5	-	b	2	-	30	28				
	Christiansund ...	999.7	41	SE	3	c	995.3	-2	43	+6	SE	3	-	o	3	-	43	37				
	Skudesnaes ...	999.7	37	SE	9	r	993.7	-5	41	0	ESE	9	-	r	7	17	41	36				
Færder (Xianla Fjord)	1011.2	37	SSE	6	o	1004.3	-5	36	0	SE	6	-	r	4	4	37	32					
The Scaw (Skagen)	1011.9	36	SE	6	o	1003.5	-5	37	0	S	7	-	r	4	3	37	34					
Blaavands Huk	1010.6	36	SSE	6	r	998.0	-9	36	+2	S	6	-	r	5	2	39	32					
FRANCE, &c.	Haparanda ...												*	*	*	*	*					
	Hernösand ...												*	*	*	*	*					
	Stockholm ...												*	*	*	*	*					
	Wisby ...												*	*	*	*	*					
	Karlstad ...												*	*	*	*	*					
	Petrograd (G.M.T.)												*	*	*	*	*					
	The Helder ...	1008.4	36	S	4	o	992.2	-13	43	+9	SSE	7	-	r	4	4	43	32				
	Brussels ...	*	*	*	*	*								*	*	*	*	*				
	C. Gris Nez ...	1008.2	41	S	6	o	992.7	-3	50	+12	SW	7	*	r	6	10	50	38				
	La Hève ...	1008.3	46	SSW	5	o	995.7	*	48	+7	SSW	4	*	r	5	5	48	41				
Ushant ...													*	*	*	*	*					
Brest (St. Mathieu)	998.1	50	SSW	5	r	994.4	-2	50	-2	SW	4	*	r	5	12	55	50					
Rochefort (Ile d'Aix)	1014.1	44	SSW	4	r	1003.4	-3	53	+16	SSW	6	*	o	19	53	37						
Biarritz ...	1015.9	55	SSE	3	o	1007.7	+4	60	+12	SSW	3	*	o	4	1	60	48					
Paris ...	1013.3	39	S	3	o	999.9	-3	48	+14	S	4	-	o	*	7	48	34					
Belfort ...													*	*	*	*	*					
Lyons ...	1020.7	37	NW	1	o	1013.7	*	41	+11	S	3	*	r	*	8	41	30					
Nice ...	1020.3	42	-	0	bc	1016.7	-2	43	+2	-	0	*	o	0	-	50	41					
Perpignan ...	1020.2	43	-	0	o	1015.3	-3	43	+6	-	0	*	o	0	-	52	37					
Sanguinaire ...	*	54	N	2	c	*	*	50		E	3	*	o	4	-	59	43					
SOUTHERN EUROPE.	Corunna (7 a.m.)												*	*	*	*	*					
	Madrid (8 a.m.)	1028.6	37	S	1	o	1024.2	-2	37		-	0	-	s	*	-	37	36				
	Lisbon (9 a.m.)	1025.3	57	SSW	4	o	1024.7	-2	57		SSW	5	-	r	1	59	57					
	Gibraltar ...	1027.4	48	NW	5	c	1025.4	*	51		W	4	-	bc	2	-	57	49				
Rome ...													*	*	*	*	*					
AZORES &c.	Azores (Horta, 8 a.m.)	1014.3	*	SW	5	o	1027.8	+5	51		-	0	-	c	3	1	66	52				
	Madeira (Funchal)	1028.0	64	NE	2	o	1027.5	0	57	0	W	2	N	b	2	-	66	57				

* Information for these columns not usually received.

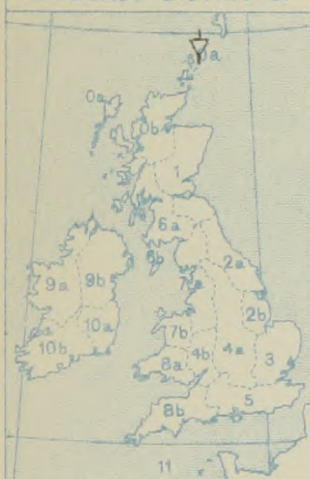
† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON 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.

Cones hoisted
4 a.m.
yesterday.

Western Channel and Bay 11

- | | |
|--|--|
| 0 {
1 {
2 {
3 {
4 {
5 {
6 {
7 {
8 {
9 {
10 { | <p>a) Calms and light variable breezes, becoming South-</p> <p>b) Easterly later, and freshening; fine to changeable, some cold rain, sleet or snow; rather cold.</p> <p>a) Wind between South and West, force variable, becoming</p> <p>b) South-Easterly later and freshening; dull, unsettled, some rain; mild to colder.</p> <p>a) Same as Nos. 0 to 2.</p> <p>b) Freshening breezes between South and East; unsettled,</p> <p>a) some rain; temperature below the normal.</p> <p>b)</p> |
|--|--|

Millibars

1050

1040

1030

1020

1010

1000

990

980

970

FURTHER OUTLOOK.

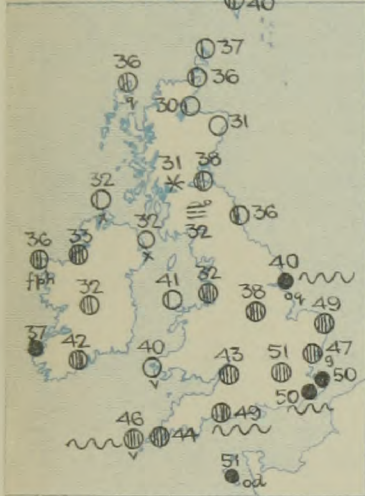
R. G. K. LEMPFT, Superintendent, Forecast Division.

W. N. SHAW, Director.

GENERAL INFERENCE.

The pressure changes favour
a continuance of the unsettled type.

TEMPERATURE, WEATHER AND
SEA DISTURBANCE.



Miles.

1031

104

1035

1030

1016

1000

99

SCALE 1:250,000
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

Below 40° 40°-50° 50°-60° Above 60°

Scale of Tints for DECEMBER.

H I G H

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.

R, thunderstorm.

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

DAILY WEATHER REPORT.

Monday, December 28th, 1914

REPORTS
FOR
YESTERDAY.

27th December 1914.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		° F.	° F.						° F.	° F.			
Scot- land.							Tunbridge Wells ...	10	50	47	or. brn	b. br. o	
Banff ...	5	55	35	rac	c. br. b	0.0	Margate ...	2	50	35	r	br	0.0
St. Andrews ...				*	*		Ramsgate ...	6	47	35	r	o	0.0
Eng., N.E.							Folkestone ...	5	47	35	or	or. o	0.0
Harrogate ...	12	45	34	or. b. br	c. or	2.4	Hastings ...	5	49	43	or. c	o	0.0
Scarborough ...	*	46	36	o. c	c. b	2.7	Bexhill-on-Sea ...	6	42	37	r. o. c	c. o	0.0
Skegness ...	3	47	33	r	c	0.0	Eastbourne ...	6	51	45	or. q	o. br. or	0.0
Eng., N.W.							Seaford ...						
Morecambe ...							Brighton ...	5	50	40	or. o. c	b. br. c. o	2.0
Blackpool ...							Worthing ...	9	50	44	or	br. o	2.0
Southport ...	5	48	36	c. br	or. o	2.3	Littlehampton ...	5	49	?	r. br	b. br. or	2.0
Midlands.							Bognor ...	5	49	44	r	b	2.0
Buxton ...							Southsea ...						
Leamington Spa ...	6	50	30	c. br	br. c	3.7	Bournemouth ...	10	52	38	or.	c. br. o	3.0
Malvern ...	9	50	38	b	br.	4.1							
Ross-on-Wye ...	12	50	31	c. br	c. or	4.0							
Wales.							Weymouth ...	12	53	38	b	c. or	3.0
Rhyl ...	6	47	37	LT	c. r	2.1	Exmouth ...						
Colwyn Bay ...	11	47	41	cd	r	0.0	Torquay ...	14	53	39	br	br. c. c. o	3.0
Llandudno ...	14	49	41	r	r	1.5	Paignton ...	16	53	36	b	or	3.0
Aberystwyth ...	12	44	41	r. o. c	or	0.0	Falmouth ...	20	52	44	br	or	3.0
Tenby ...							Penzance ...						
Swansea ...	14	51	42	b. br	r	3.2	Newquay ...	13	51	49	br. br	or. or	2.0
England, E.							Ilfracombe ...	12	52	41	br. b	b. br. or	4.0
Cromer ...							Weston-super-Mare ...		52	37	br. b	b. br. c	3.0
Lowestoft ...													
Felixstowe ...	3	47	36	or. b	br	1.9							
Walton-on-Naze ...	2	46	40	r. or	br. o. c	0.6							
Southend-on-Sea ...	3	50	36	or	br	2.1							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
				%	%	Hr.	° F.			
24 HOURS ENDED 9 A.M. TO-DAY.										
Greenwich (Royal Obs.) ...	82	92	2.5	53	47	41	2	o. c	bc. o	o. or. o
City (Bunhill Row) ...	*	*		*	*	*	*	*	*	*
Westminster (St. James's Pk.)	76	93		53	47	40	3	o. bc	bc	c. or. d.
Camden Sq. (Brit. Rainfall)	-	93	1.9	52	47	42	4	-	-	*
Hampstead (Reservoir) ...	*	94	2.0	50	41	33	4	or	bc	c. or
Richmond Park ...	*	*	2.9	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	-	87	2.2	Total. Joules		Average Rate. Milliwatts.		Max. Rate. Milliwatts.		

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

Dec. 28th 1914.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.6	11.55	3.44
Greenwich ...	8.8	12.2	3.56
Wick ...	9.5	12.14	3.22
Valencia ...	8.51	12.43	4.35

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; br. 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.

Additional Observations for Yesterday.

STATIONS.	RAIN FALL. mm. §	TEMPERATURE.		WEATHER.	
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.
		Max.	Min.		After- noon.
Dublin to 4 p.m.		° F.	° F.	F.	
Darwen to 9 p.m.					
Manchester "			*		
Birmingham "					
Oxford to 8 p.m.					
Teignmouth to 9 p.m.	20	53	38	35	c. or
Plymouth "					o. br
S. Kensington (Museum Grounds to 6 p.m.)	7	52	42	31	un. or. o

NOTES ON YESTERDAY'S WEATHER.

Temperature passed 50° at various stations and touched 55° at Jersey. In the night frost occurred in many localities. Rain fell everywhere, as much as 28 mm at Pembroke. Sunshine was general, and ranged up to 4.7 hours at Ilfracombe.

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 363

Tuesday,

29th December, 1914.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer.		Temp.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
		° F.					° F.	° F.								° F.	° F.				Hours.	
BRITISH ISLANDS.	Lerwick ...	953.7	38	WNW	2	c	990.4	+2	36	-4	-	0	-	bc	0	0.3	41	34	bc	bc	bc	*
	Deerness ...	985.1	35	WNW	1	bc	991.9	7	36	-1	W	1	-	dp	2	1	38	34	b	b bc	bc.c.dp	4.1
	Stornoway ...	985.2	35	SSW	2	bc	994.3	+6	35	-1	NW	3	NW	o	3	9	38	31	bcpas	o.bc	bc.c.adp	0.5
	Castlebay (Barra Isd.)	985.3	38	-	0	bc	996.3	+5	40	+1	NNW	3	-	o	3	3	42	35	h.opl.o	op.bc	bc.op.o	0.6
	Glasgow ...	986.8	32	ESE	1	o	996.5	+4	32	+1	WSW	2	-	b	*	1	35	26	spfo	of	o.cf.bx	0.0
	Eskdalemuir ...	986.5	30	NE	2	om	996.8	+8	30	-2	-	0	S	g	*	Trace	34	29	om.bc	bc.om	b.o.om	0.0
	Malin Head ...	986.1	35	S	2	cmr	997.6	+5	42	+10	WNW	6	W	cm	5	Trace	44	33	bcx	cmx	cmr	0.0
	Markree Castle						1002.7	*	36	+3	NW	2	-	bc	*	3	*	*			cmr	0.0
	Blacksod Point	987.9	38	WNW	3	cm													cph	cm		*
	Valencia ...	990.5	41	WNW	6	c	1008.4	+7	39	+2	W	2	-	r	4	9	43	36	cph	cph	or	0.0
	Roche's Point	987.5	39	W	5	o	1007.6	*	37	-5	WNW	4	-	br	4	9	45	35	r.op	bcpa.o	dp.b	*
	Birr Castle ...	985.9	33	N	1	S	1004.5	*	34	+2	NW	1	-	o	*	15	34	30	or.s	os	os.o.o	0.0
	Donaghadee ...	984.9	39	NE	2	ogm	998.1	+7	35	+3	WNW	4	-	bc	3	-	40	29	ogm.f	ogm	om.bx	*
	Liverpool (Bidston)	983.5	35	E	1	r	998.6	+7	42	+10	WNW	6	W	o	4	5	42	31	bc	or	or	0.6
	Holyhead ...	982.3	41	ESE	3	og	1000.3	+9	41	0	W	5	-	ca	4	7	43	36	cg	og	ogr.ca	0.0
	Pembroke (St. Ann's)	982.7	44	WNW	6	c	1003.7	+7	42	+2	NW	5	NW	ca	5	12	44	37	br	cg	qgr	0.0
	Scilly (St. Mary's)	989.4	44	W	9	cpq	1009.0	+10	41	-5	W	5	W	ca/p	7	18	48	38	omr	omq	ca/p	0.0
	Falmouth ...	988.3	42	W	6	br	1008.0	+8	41	-3	NW	6	-	bc	5	29	48	38	cr	r.beq	hltg	0.2
	Jersey (St. Aubin)	986.0	47	WSW	8	opq	1007.3	*	44	-7	W	6	W	ca/p	5	6	54	41	or	op.opq	bcg/hp	0.0
	Portland Bill ...	978.0	43	W	9	r	1004.0	+10	43	-6	NW	5	W	br	6	19	51	38	o	or	or	*
	Dungeness ...	980.5	51	SW	5	opq	998.0	+15	37	-13	NW	5	-	op	5	6	50	36	or	orq	bel.op	*
	Dover ...	980.3	?	SSW	5	r	998.1	+11	37	-13	WNW	6	S	r	3	7	52	35	ef.or	op	or	0.0
Wick ...	985.7	34	W	1	b	992.1	+3	31	-5	NNW	2	-	bc	3	-	37	28	bm.bq	by	bm.bx	*	
Nairn ...	986.3	30	-	0	b	994.2	*	32	+2	W	1	-	bc	1	-	34	27	bc	b	bx.bc	5.4	
Aberdeen ...	986.3	30	-	0	b	993.4	+2	29	-2	WNW	1	-	br	2	-	34	28	by	by	b	4.2	
Leith ...	987.0	33	WNW	1	m	995.4	+3	33	-5	W	1	-	b	*	-	39	30	cg.bx	by	m	*	
Tynemouth ...	986.9	37	NW	1	om	994.6	+6	35	-1	WNW	3	-	om	3	-	40	33	bc.m	bc.m	om	*	
Spurn Head ...	984.9	40	SE	5	o	993.4	+7	36	-5	WNW	7	-	or	7	20	41	34	cm	ca/r	ca/r	0.6	
Yarmouth ...	982.2	43	ENE	3	om													om	omr			
Clacton-on-Sea	981.3	45	NW	1	og													og	og			
Nottingham ...	981.1	36	NE	4	r	997.1	*	38	0	W	3	W	o	*	18	40	33	om	om	om	0.0	
Bath ...	977.3	44	NE	4	r	1000.7	?	38	-5	WNW	2	W	c	*	32	50	33	o.c.be	c.orq	or	0.3	
London (Kew Obsy.)	976.4	48	NE	2	or	1000.6	+14	37	-14	WSW	3	-	o	*	26	51	33	om.d.r	or	or	0.0	
ICELAND, FAEROE, &c.	Spitsbergen ...	1008.2	19	SE	2	o	1007.8	?	19	-1	S	1	*	o	*	*	20	9				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
Thorshavn ...												*		*	*	*	*					
NORTHERN EUROPE.	Vardö ...	1003.3	30	WSW	1	a	1004.2	+1	28	-1	SW	1	-	c	3	*	30	21				
	Bodö ...	995.7	37	E	5	o	988.8	0	37	+7	E	7	-	c	3	-	37	28				
	Christiansund	981.7	39	-	0	c	987.5	+4	39	-4	SW	2	-	b	4	-	43	37				
	Skudesnaes ...	981.5	41	SW	9	c	985.0	+3	37	-4	NNW	2	-	o	4	3	41	34				
	Færder (X'aniafjord)																					
	The Scaw (Skagen)	990.4	39	S	7	r	983.1	-6	39	+2	SSE	5	-	r	4	16	39	36				
	Blaavands Huk	990.1	41	SW	1	m	978.7	-3	41	+5	S	6	-	o	4	8	41	34				
	Haparanda ...																					
	Hernösand ...																					
	Stockholm ...																					
FRANCE, &c.	Wisby ...																					
	Karlstad ...																					
	Petrograd (5 a.m. G.M.T.)																					
	The Helder ...	986.9	45	SE	1	r	979.0	+13	43	0	WNW	4	-	o	5	26	46	37				
	Brussels ...	*	*	*	*	*																
	C. Gris Nez ...	980.4	50	SSW	7	c	997.5	+13	39	-11	NW	7	*	r	8	5	54	37				
	La Hève ...												*									
	Ushant ...												*									
	Brest (St. Mathieu)												*									
	Rochefort (Ile d'Aix)												*									
SOUTHERN EUROPE.	Biarritz ...	1011.5	52	WSW	4	r	1020.4	+3	47	-13	WSW	7	*	r	7	14	64	45				
	Paris ...	991.7	54	SSW	6	o																
	Belfort ...												*									
	Lyons ...												*									
	Nice ...												*									
	Perpignan ...												*									
	Sanguinaire ...	*											*									
	Corunna (7 a.m.)	1013.9	48	W	6	r	1027.5	+4	45	-18	SW	3	-	c	5	17	63	43				
Madrid (8 a.m.)																						
Lisbon (9 a.m.)																						
Gibraltar ...																						
Rome ...																						
SOUTHERN EUROPE.	Azores (Horta, 8 a.m.)	1031.3	*	-	0	o																
	Madeira (Funchal)																					

* Information for these columns not usually received.

† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.

GALES.

Duration and Extreme Force
in British Islands.

Scilly

28th noon-1pm. WNW 8
29th. 3pm-29th. 4am. WNW. 8
squalls force 10

Jersey

28th aft. WSW 9.
From 28th 4pm during
night WSW 8

Portland

28th 5pm-29th 5am.
W. 8
squalls force 9

Dungeness

28th 7pm-4am.
SW. 8
squalls force 9.

Dover

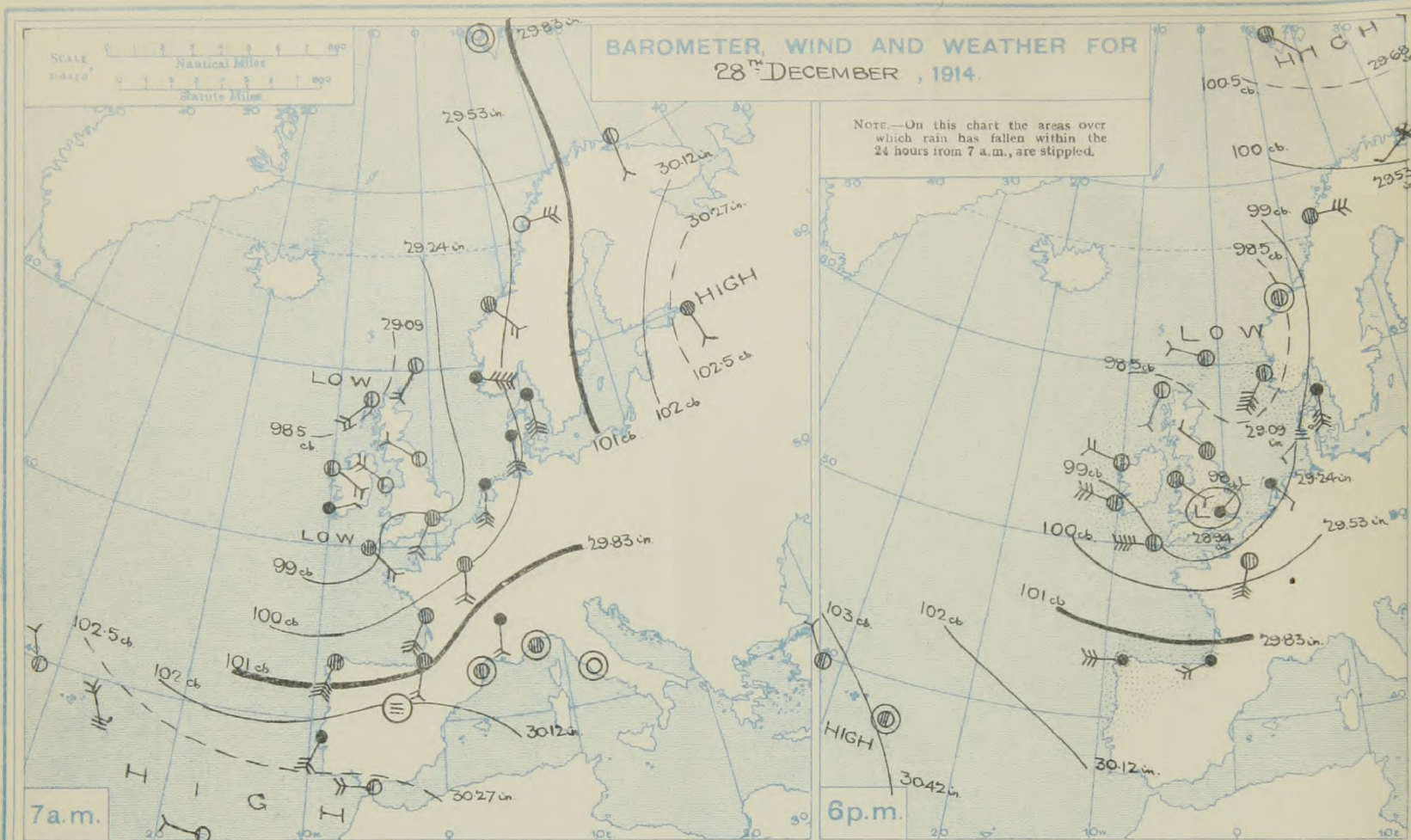
28th 7am-midnight.
SW. 8
qust 35 mps (12)

Spurn Head

28th 10pm-29th 4am.
N. 8

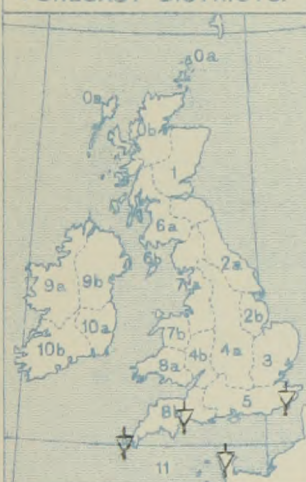
Kew

28th 8pm-10pm WSW 8
extreme WSW 10
40 8.25pm 8.30pm



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.

Cones hoisted
3.35 p.m.
yesterday.

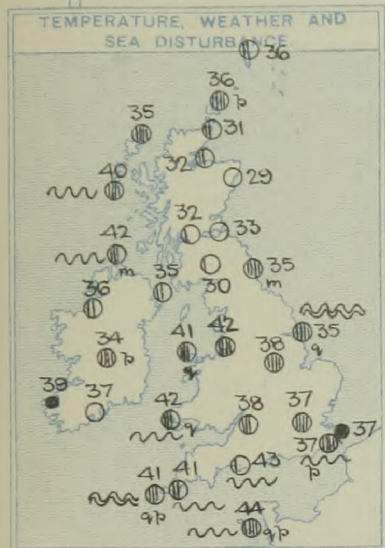
Western Channel and Bay 11

- | | | |
|----------------------|---|---|
| 0 {
a
b
1 | } | Light variable North-Westerly breezes; local showers, but generally fair to fine; moderate cold. |
| 2 {
a
b
3 | } | Fresh to strong squally North-Westerly winds, moderating; local showers, but generally fair to fine; moderate cold. |
| 4 {
a
b
5 | } | Same as Nos. 0 and 1. |
| 6 {
a
b
7 | } | Same as Nos. 2 to 5. |
| 8 {
a
b
9 | } | Moderate to light North-Westerly breezes; local |
| 10 {
a
b
11 | } | showers, but generally fair to fine; moderate cold. |

FURTHER OUTLOOK.

GENERAL INFERENCE.

The barometer continues to rise all round, and a general improvement in the conditions is probable during the coming 24 hours.

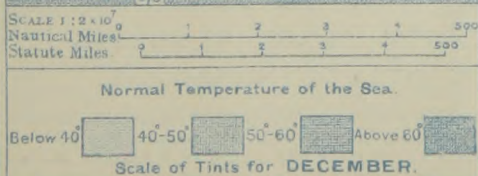


Inches.

31

30

29



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 wavy. High wavy.

DAILY WEATHER REPORT.

Tuesday, December 29th, 1914.

REPORTS FOR YESTERDAY.

December 28th, 1914.

STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										TEMP.	
	Barom. Millibars at M.S.L.	TEMP.	Wind. Direc.	Force 0-12.	Weather.	Barometer. Millibars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Wind. Direc.	Force 0-12.	Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain-fall. Millimetres.	Max.	Min.
Castlebay						984.3		39		S	3	-	op	4	4	46	34
Corunna	1011.9	59	SSW	7	0	1003.5	+6	63	+6	SSW	8	-	0	7	4	63	57

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun-shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun-shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot. land.	mm. §	° F.	° F.			Hr.	Tunbridge Wells ...	23	52	46	om. or	om. or	0.0
Oban ...	2	46	30	bc	bc	2.5	Margate ...	10	52	41	or	or	0.0
Banff ...	-	37	25	bc	bc	5.4	Ramsgate ...	7	50	43	r	r	0.0
St. Andrews ...	-	36	30	*	*	2.2	Folkestone ...	13	50	31	f. or	or	0.0
Eng. N.E.							Hastings ...						
Harrogate ...	15	35	32	bc. bc	bc. com	1.5	Bexhill-on-Sea ...	11	41	35	or	or	0.0
Scarborough ...	*	43	26	of	c. b	3.4	Eastbourne ...	14	51	47	or	or	0.0
Skegness ...	4	41	37	0	or	0.0	Seaford ...						
Eng. N.W.							Brighton ...	19	50	48	0. or	or. or	0.0
Morecambe ...	6	37	34	od	0	0.0	Worthing ...	15	50	47	r	r	0.0
Blackpool ...							Littlehampton ...	16	51	3	r. c. r	rt	0.0
Southport ...	11	35	32	oc. fo	0	0.0	Bognor ...	19	50	45	gr	gr	0.0
Midlands.							Southsea ...	4	50	47	0	or	0.0
Buxton ...	11	34	32	c. so	om	0.0	Bournemouth ...	11	50	44	or	or	0.0
Leamington Spa ...	5	38	37	om	omr	0.0							
Malvern ...	6	39	34	m	mtr	0.0							
Ross-on-Wye ...	8	40	32	bc. c	ors	0.5							
Wales.							Weymouth ...	14	51	45	om. bc	c. or	0.1
Rhyl ...	10	37	31	.	.	0.8	Exmouth ...						
Colwyn Bay ...	11	39	33	bc. o	0	2.6	Torquay ...	21	48	42	0	r. or	0.1
Llandudno ...	9	45	35	0	or	0.1	Paignton ...						
Aberystwyth ...	Trace	42	34	orc	or. r	0.5	Falmouth ...	25	48	41	or	bc. or	0.2
Tenby ...	Trace	45	26	bc. or	r	0.0	Penzance ...	24	48	42	ogr	gr. bc	0.0
Swansea ...							Newquay ...	16	47	41	0. or	or. or	0.1
England, E.							Ilfracombe ...	20	46	40	c. o	or	0.0
Cromer ...	10	48	39	0. c	0. or	0.0	Weston-super-Mare ...	2	44	41	0. bc. bc	or	0.2
Lowestoft ...	2	50	41	or	or	0.0							
Felixstowe ...	9	49	42	cb	or	0.0							
Walton-on-Naze ...	11	47	38	og	r	0.0							
Southend-on-Sea ...	12	43	42	0	r	0.0							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun-shine for Yesterday.	TEMPERATURE.		Rain-fall.	WEATHER.		
	3 p.m. Yesterday.	9 a.m. To-day.		In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.
Greenwich (Royal Obs.) ...	99	88	0.0	51	33	26	0. or	or	or
City (Bunhill Row) ...	*	*	0.0	*	*	*	*	*	*
Westminster (St. James's Pk.)	92	89	0.0	53	33	32	or	or	or
Camden Sq. (Brit. Rainfall)	100	93	0.0	51	32	31	0	or	or
Hampstead (Reservoir) ...	*	90	0.0	49	28	26	c. or	or	or
Richmond Park ...	*	*							
Kew. (See front page.)									
(Greenwich and Camden Square air temperatures are in Glatisher screens.)									
S. Kensington (Roof of M.O.)	95	84	0.0	43	Joules	1.5 Milli-watts.	5 Milli-watts.		

Additional Observations for Yesterday.

STATIONS.	RAIN-FALL.	TEMPERATURE.		Night Min. on Grass.	WEATHER.		Sun-shine for Yesterday.
		Max.	Min.		Forenoon.	Afternoon.	
Dublin to 4 p.m.	mm §	° F.	° F.	° F.			Hr.
Darwen to 9 p.m.							*
Manchester "							*
Birmingham "							*
Oxford to 8 p.m.	*						*
Teignmouth to 9 p.m.	23	52	40	41	or. c	c. or	0.0
Plymouth "							*
S. Kensington (Museum Grounds to 6 p.m.)	14	52	48	43	or. or	or. or	*

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

Dec. 29th 30th, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.6	11.55	3.45
Greenwich ...	8.6	11.56	3.46
Wick ...	8.8	12.2	3.57
Valencia ...	8.5	12.14	3.23
	8.5	12.15	3.24
	8.51	12.43	4.36
	8.51	12.44	4.37

NOTES ON YESTERDAY'S WEATHER.

Temperature rose a little above 50° at a few southern stations, but in several localities the maxima were below 35°. Rainfall ranged up to 32 mm at Bath. Snow fell in London and at various other stations. Banff and Nairn had 5½ 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; 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.

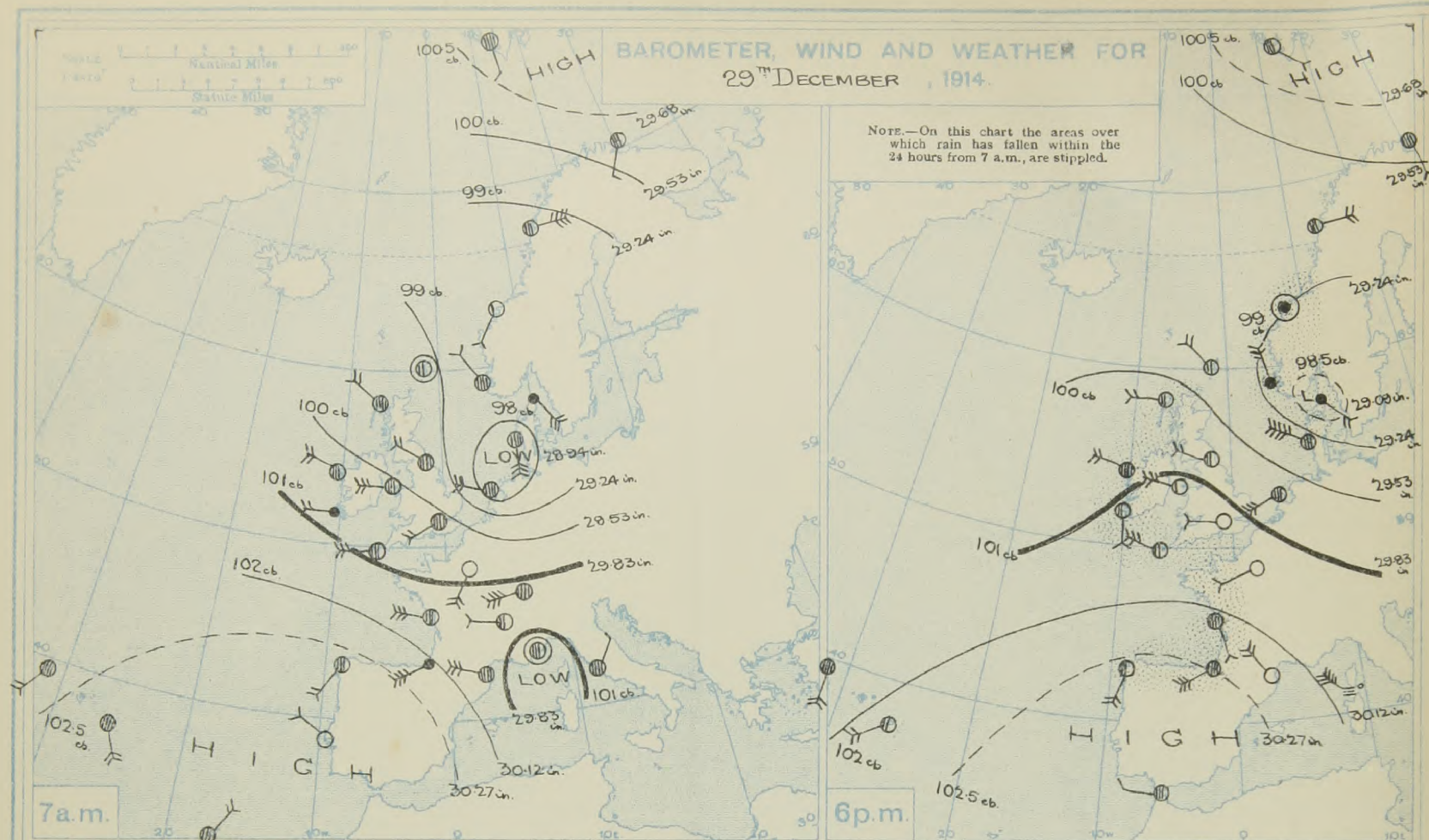
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DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	TEMP. ° F.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea by- eye.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Force 0-12.	Dir.		Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.	Max.					Min.	Morning.	Afternoon.	Night.		
																						Hours.
BRITISH ISLANDS.	Lerwick ...	996.2	38	NW	3	bc	1002.5	+1	36	0	W	1	W	bc	1	-	39	34	bc	bc	bc	*
	Deerness ...	999.3	35	WNW	3	pg.	1002.7	*	36	0	S	3	-	b	3	2	37	33	op. bc	bc. c. op	o. c. bc. b	0.1
	Stornoway ...	1002.3	34	W	3	bc	996.8	-6	41	+6	S	7	-	og	6	2	41	31	ord. v. c	c. bc	b. og	0.5
	Castlebay (Barra Isd.)	1003.5	41	W	4	bc	995.2	-7	46	+6	SE	8	-	og	7	2	45	36	dh. bc	hp. bc	bc. og	1.4
	Glasgow ...	1006.0	33	W	3	b	1005.2	-4	31	-1	ESE	2	-	ce	*	1	38	29	bf. bc	bcsp. b	bf. bc. o	1.8
	Eskdalemuir ...	1006.9	33	W	4	b	1008.1	-3	29	-1	W	2	-	o	*	1	37	27	bc. o	prsq. c	bc. om. o	1.5
	Malin Head ...	1005.8	40	W	5	bcg.	993.8	-9	38	-4	SSE	6	S	og	6	2	42	34	bc. p. r	bc. p. r	bc. og	1.9
	Markree Castle	1009.8	32	S	1	b	991.9	*	40	+4	SSE	8	-	r	*	3	*	*	c. bx	bc. og	*	5.4
	Blacksod Point																					
	Valencia ...	1010.5	42	S	2	bc	992.5	-2	48	+9	SE	2	-	o	5	19	48	38	eph. v.	bc. v.	or	3.6
	Roche's Point	1013.6	38	W	1	b	997.8	*	48	+11	S	8	-	o	6	1	49	35	b. bc	bc. b	b. or. o	*
	Birr Castle ...	1011.2	33	-	0	bc	996.0	*	44	+10	S	4	-	r	*	1	44	30	bc	bc. c	bc. or	5.9
	Donaghadee ...	1008.3	39	W	4	bm	1001.2	-8	43	+8	S	4	S	ogm	3	-	43	30	bc	bm	bc. m. o	*
	Liverpool (Bidston)	1010.6	39	W	5	bc	1009.0	-4	34	-8	SE	3	-	o	3	1	42	32	bc	eph. s	b. ox	2.5
	Holyhead ...	1010.6	41	WNW	5	b	1004.7	-5	43	+2	S	6	-	og	5	-	44	39	c. bc	bc	b. bc. c. o	4.0
	Pembroke (St. Ann's)	1013.7	43	W	3	bc	1005.4	-7	47	+5	S	7	-	og	6	2	47	42	bc	bc	bc	3.5
	Scilly (St. Mary's)	1016.1	42	WNW	5	bcpg.	1005.5	-7	49	+8	S	6	S	cmp	6	4	50	38	eph. r	eph. r	eph. op	3.3
	Falmouth ...	1016.3	39	WSW	3	b	1008.9	-8	48	+7	SSW	6	-	o	5	1	48	36	bcsp	bc	b. o	4.1
	Jersey (St. Aubin)	1016.6	43	W	4	bc	1016.6	*	45	+1	SSW	4	-	b	3	2	48	40	bcsp	bc	bc. bc	2.3
	Portland Bill ...	1014.0	42	WNW	5	b	1013.4	-3	42	-1	SW	5	SW	c	5	1	45	40	bc	bc	bc. b. p.	*
Dungeness ...	1011.7	40	NW	4	b	1016.7	0	42	+5	SW	4	SW	c	3	0.2	44	32	bc	bc. b	bc. cp	*	
Dover ...	1012.3	37	WSW	2	b	1017.3	0	36	-1	SW	1	SW	bc	2	-	43	32	c. c. bc	c. bc. b	bc	2.0	
Wick ...	1000.4	30	W	2	o	1003.3	-2	37	+6	SW	3	-	bc	3	2	37	29	bcsp	bc	op. bc	*	
Nairn ...	1002.8	33	WSW	2	bc	1002.5	*	30	-2	-	0	-	og	1	0.2	37	25	bc. g. bc	b. bc	bc. og	4.4	
Aberdeen ...	1002.7	35	WSW	2	b	1006.2	-1	33	+4	S	3	-	og	2	-	38	28	bc. b	bc	b. bc. o	4.0	
Leith ...	1005.6	36	WSW	2	b	1005.7	-1	34	+1	ESE	1	-	o	*	-	40	28	b	b	b	*	
Tynemouth ...	1004.8	37	WNW	3	bc	1009.8	0	33	-2	S	2	-	bc	3	-	40	32	b	b	bc	*	
Spurn Head ...	1006.9	39	WNW	5	bc	1012.9	+2	34	-1	WSW	3	SW	bc	5	-	39	31	cmg	bcmg	bc	0.0	
Yarmouth ...	1008.7	37	W	3	b	1016.2	+3	32	-4	SW	1	-	b	1	-	40	30	cm	cm. b	b	0.0	
Clacton-on-Sea	1010.4	37	W	2	b								b	*	0.3	41	30	og. o	c. c. bc	b	0.1	
Nettingham ...	1010.1	37	W	3	b	1012.8	*	31	-7	WSW	2	*	b	*	-	44	29	om	omp. bc	b. o. c	5.5	
Bath ...	1013.5	38	W	1	b	1013.9	*	32	-6	SW	2	W	c	*	-	44	29	c. c. bc	bc. b	b. o. c	5.5	
London (Rev. Obs.)	1012.9	38	W	2	b	1016.0	-2	31	-6	SW	1	W	bm	*	0.1	43	30	od. c	c. bc. b	b. bm	2.2	
ICELAND, FAEROE, &c.	Spitsbergen ...	1008.2	14	SE	2	c	1007.3	*	0	-19	-	0	*	b	*	*	19	0	GALES.			
	Isafjord ...												*	*	*	*	*	*	Duration and Extreme Force in British Islands.			
	Reykjavik ...												*	*	*	*	*	*				
	Vestmanna ...												*	*	*	*	*	*				
	Seydisfjord ...												*	*	*	*	*	*				
NORTHERN EUROPE.	Thorshavn ...												*	*	*	*	*	*				
	Vardö ...	1002.9	30	S	2	o	1001.2	-1	28	0	S	2	-	o	3	*	34	23				
	Bodö ...	991.9	39	E	4	c	992.6	0	34	-3	E	4	-	c	2	-	39	32				
	Christiansund	990.0	39	-	0	r	997.7	+4	39	0	W	3	-	c	4	7	39	37				
	Skudesnaes ...	989.9	39	MNW	5	r	1002.7	+3	37	0	M	2	-	b	2	2	39	24				
	Færder (Xpandafjord)	986.0	39	SE	2	o	996.7	+7	36		W	3	-	b	2	5	39	34				
	The Scaw (Skagen)	983.4	44	SSE	3	r	997.2	+6	37	-2	MW	4	-	b	4	4	37					
	Blaavands Huk	991.3	41	NW	9	c	1007.1	+7	41	0	WNW	6	-	c	5	5	43	36				
	Haparanda ...													*	*	*	*	*				
	Hernösand ...													*	*	*	*	*				
FRANCE, &c.	Stockholm ...													*	*	*	*	*				
	Wisby ...													*	*	*	*	*				
	Karlstad ...													*	*	*	*	*				
	Petrograd (5 a.m. G.M.T.)													*	*	*	*	*				
	The Helder ...	1007.0	43	WSW	5	c	1014.9	+3	41	-2	WSW	4	-	c	4	-	48	41				
	Brussels ...	*	*	*	*	*								*	*	*	*	*				
	C. Gris Nez ...	1012.3	42	W	5	bc	1017.2	0	38	-1	S	4	*	r	3	1	45	37				
	La Hève ...	1016.8	41	MW	5	o	1019.7	*	37	-6	SSW	4	*	o	5	5	54	36				
	Ushant ...	1018.6	51	MW	5	c	1006.1	*	50	+7	SW	6	*	o	7	-	51	41				
	Brest (St. Mathieu)													*	*	*	*	*				
Rochefort (le d'Atix)	?	44	WNW	2	o	1016.0	-1	40	-5	S	3	*	o	*	1	50	39					
Biarritz ...	1025.0	48	WSW	6	o	1023.9	-3	44	-3	SSE	3	*	bc	5	9	50	43					
Paris ...													*	*	*	*	*					
Belfort ...													*	*	*	*	*					
Lyons ...													*	*	*	*	*					
Nice ...													*	*	*	*	*					
Perpignan ...	1024.0	45	MW	4	b	1027.0	0	39	-9	-	0	MW	b	*	-	52	36					
Sanguinaire ...	1013.0	55	MW	7	m	1017.2	*	49	-6	MW	7	*	m	6	-	61	48					
SOUTHERN EUROPE.	Corunna (7 a.m.)	1028.0	50	WSW	3	bc	1017.9	-8	48	+3	S	7	-	o	5	2	52	45				
	Madrid (8 a.m.)													*	*	*	*	*				
	Lisbon (9 a.m.)													*	*	*	*	*				
	Gibraltar ...	1028.1	49	W	1	c	1025.4	*	55		E	6	-	c	3	-	57	45				
	Rome ...													*	*	*	*	*				
	Azores (Horta, 8 a.m.)	1017.2	*	WNW	5	r																
	Madeira (Funchal)																					

* Information for these columns not usually received.

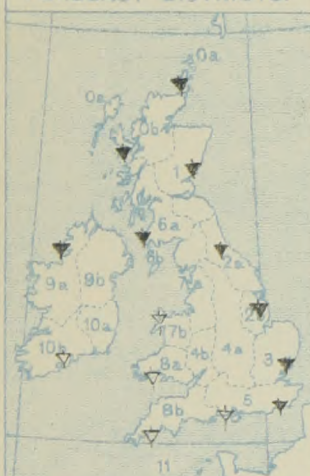
† Received too late for insertion in Charts.

‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

South Cones hoisted yesterday at 7.5 p.m. in Districts 5 (part of it), 6, 7, 8, 9, 10, and 11; day at 8.5 a.m. on all other coasts.

Western Channel and Bay 1)

Light Southerly and Southwesterly breezes; increasing, squally, strong to a gale at times; fair to fine, local mist, then less settled, some rain sleet or snow; cold to rather milder.

Squally Southerly and Southwesterly strong winds and gales; generally unsettled, some rain sleet or snow; milder.

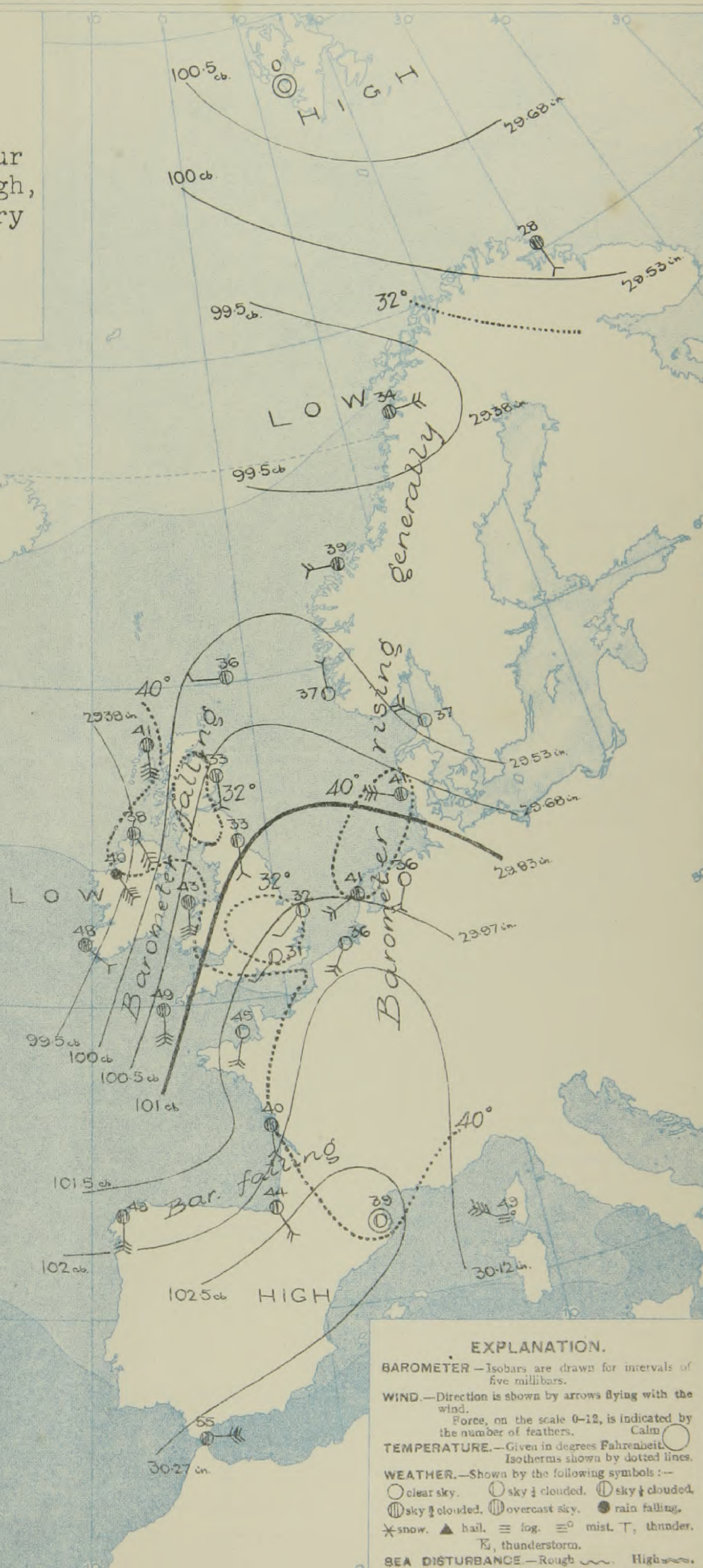
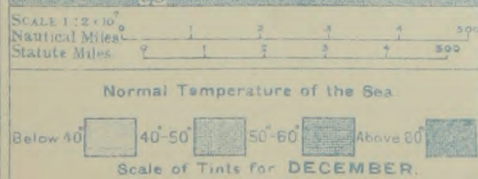
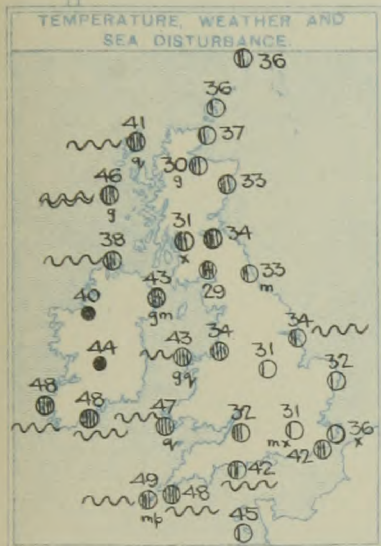
FURTHER OUTLOOK.

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

W. N. SHAW, Director

GENERAL INFERENCE


The large disturbance off our western coasts will occasion rough, unsettled weather over the Country generally.






EXPLANATION.



BAROMETER—Isobars are drawn for intervals of five millibars.

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

Force, on the scale 0-12, is indicated by the number of feathers. Calm 
TEMPERATURE.—Given in degrees Fahrenheit.
Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols :—
 clear sky.  sky $\frac{1}{2}$ clouded.  sky $\frac{1}{2}$ clouded.
 sky $\frac{3}{4}$ clouded. overcast sky. rain falling.

*snow. ▲ hail. ≡ fog. ≡⁰ mist. T, thunder.
E, thunderstorm.

SEA DISTURBANCE.—Rough . High .

DAILY WEATHER REPORT.

Wednesday, December 30th, 1914.

REPORTS FOR YESTERDAY.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Rain-fall.		TEMP.	
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	Max.	Min.		
				Direc.	Force 0-12.						Direc.	Force 0-12.								
Blackrod	987.9	38	WNW	3	cm	1003.9	+6	38	+2	WNW	4	N	cph	4	3	40	34			
Yarmouth	982.2	43	ENE	3	cm	996.4	+17	36	-13	W	3	-	om	4	4	49	32			
Ushant	996.8	48	NW	8	c	1010.7	+24	43	-	NW	7	-	c	2	5	54	39			
Brest	982.7	48	WNW	7	bc	1012.4	+7	43	-7	WNW	6	-	c	5	6	57	41			
Rochefort	1002.1	50	WSW	7	c	1016.6	+7	45	-8	WNW	6	-	c	5	6	57	43			
Paris	991.1	55	SSW	7	c	1006.0	+4	39	-9	SW	4	-	c	0	2	50	36			
Belfort	1002.7	48	WSW	4	c	1011.5	+	39	-	WSW	7	-	bc	0	12	49	41			
Nice	1012.1	45	SSW	4	c	1016.4	+9	43	+2	W	2	-	bc	0	10	50	43			
Algiers	1010.6	46	SW	1	c	1009.6	-2	46	+3	NW	9	SW	c	0	10	50	46			
Barcelona	1011.9	54	NW	4	c	1007.3	+7	48	+5	WNW	3	-	bc	0	10	51	48			
Lisbon	1021.5	56	WNW	3	c	1024.5	+2	55	+4	SW	2	-	bc	0	4	59	48			
Horta						1026.3	-5	55	+	SW	2	-	bc	0	4	59	48			
Funchal	1027.1	64	W	2	c	1028.3	0	61	+4	NE	3	-	bc	0	3	66	57			

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. mm.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		°F.	°F.						°F.	°F.			
Scot- land.	Oban ...	45	29	bc	ps. bc	0.2	Tunbridge Wells ...	3	44	34	bc	bc	2.7
	Banff ...						Margate ...	1	43	37	bc	bc	0.0
	St. Andrews ...						Ramsgate ...	6	41	33	g	g	0.0
Eng. N.W.	Harrogate ...	38	32	c. bc	bc	3.8	Folkestone ...	1	44	38	bc	bc	1.9
	Scarborough ...	41	36	c. bc	bc	4.0	Hastings ...	1	44	36	c. bc	bc	?
	Skegness ...	33	40	bc	bc	0.0	Bexhill-on-Sea ...	5	46	41	bc	bc	6.4
Eng. N.W.	Morecambe ...	40	36	bc	bc	2.3	Eastbourne ...	2	44	36	bc	bc	4.0
	Blackpool ...	43	35	c	c	2.4	Seaford ...	2	44	37	c. bc	bc	5.0
	Southport ...	42	34	c. bc	c. bc	1.2	Brighton ...	5	44	36	bc	bc	5.1
Midlands.	Buxton ...	40	32	bc	bc	3.4	Worthing ...	0.3	40	?	bc	bc	6.0
	Leamington Spa ...	40	32	bc	bc	3.0	Littlehampton ...	1	44	36	bc	bc	5.4
	Malvern ...	40	32	bc	bc	3.0	Bognor ...	11	44	37	bc	bc	5.7
	Ross-on-Wye ...	42	32	bc	bc	3.7	Southsea ...	11	44	35	bc	bc	5.4
Wales.	Rhyl ...	42	31	bc	bc	2.8	Bournemouth ...	11	44	35	bc	bc	5.4
	Colwyn Bay ...	40	35	bc	bc	0.8	Weymouth ...	8	44	35	bc	bc	0.0
	Llandudno ...	43	37	bc	bc	3.2	Exmouth ...	8	46	39	bc	bc	4.6
	Aberystwyth ...	43	35	bc	bc	1.5	Torquay ...	8	46	39	bc	bc	4.6
	Tenby ...	43	33	bc	bc	5.3	Paignton ...	9	46	38	bc	bc	4.1
	Swansea ...	44	34	bc	bc	5.5	Falmouth ...	11	46	38	bc	bc	4.0
England, E.	Cromer ...	40	31	c. bc	c. bc	0.0	Penzance ...	1	45	41	bc	bc	4.0
	Lowestoft ...	44	33	c. bc	c. bc	0.0	Newquay ...	6	46	41	bc	bc	2.0
	Felixstowe ...	41	33	c	c	0.3	Ilfracombe ...	21	44	37	bc	bc	5.0
	Walton-on-Naze ...	41	31	bc	bc	0.6	Weston-super-Mare ...						
	Southend-on-Sea ...	43	35	bc	bc	1.7							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	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.						
				°F.	°F.						°F.	mm.
Greenwich (Royal Obs.) ...	75	92	1.5	44	30	22	-	c. c	b. b	b. bc
City (Bunhill Row) ...	*	*	0.6	4	*	*	-	*	*	*
Westminster (St. James's Pk.)	77	86	1.5	46	30	28	-	c. bc	bc	b
Camden Sq. (Brit. Rainfall)	77	87	1.5	42	29	25	-	c	bc. b	*
Hampstead (Reservoir) ...	*	88	1.9	41	27	19	-	c. c	bc	bc
Richmond Park ...	*	*								
Kew. (See front page.)										
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										
			Total.	Average Rate.			Max. Rate.			
			258 Joules	9.2 Milliwatts.			19 Milliwatts.			
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	74	89	1.8							

Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
	mm. §	° F.	° F.	F.				Br.
Dublin to 4 p.m.	17	36	31	32	so c b		b	•
Darwen to 9 p.m.	4	38	32	29	oo w	o w	o u s	o o
Manchester „	4	40	35	*	or s	o. c. o	o p	o. 1
Birmingham „	16	* 38	32	31	*	o. c	c	2-7
Oxford to 8 p.m.	*							*
Teignmouth to 9 p.m.	3	46	36	33	c q p	c p b	b	u. 3
Plymouth „	„							
S. Kensington (Museum Grounds to 6 p.m.)	13	43	38	30	or s. o	o. c. b	b	*

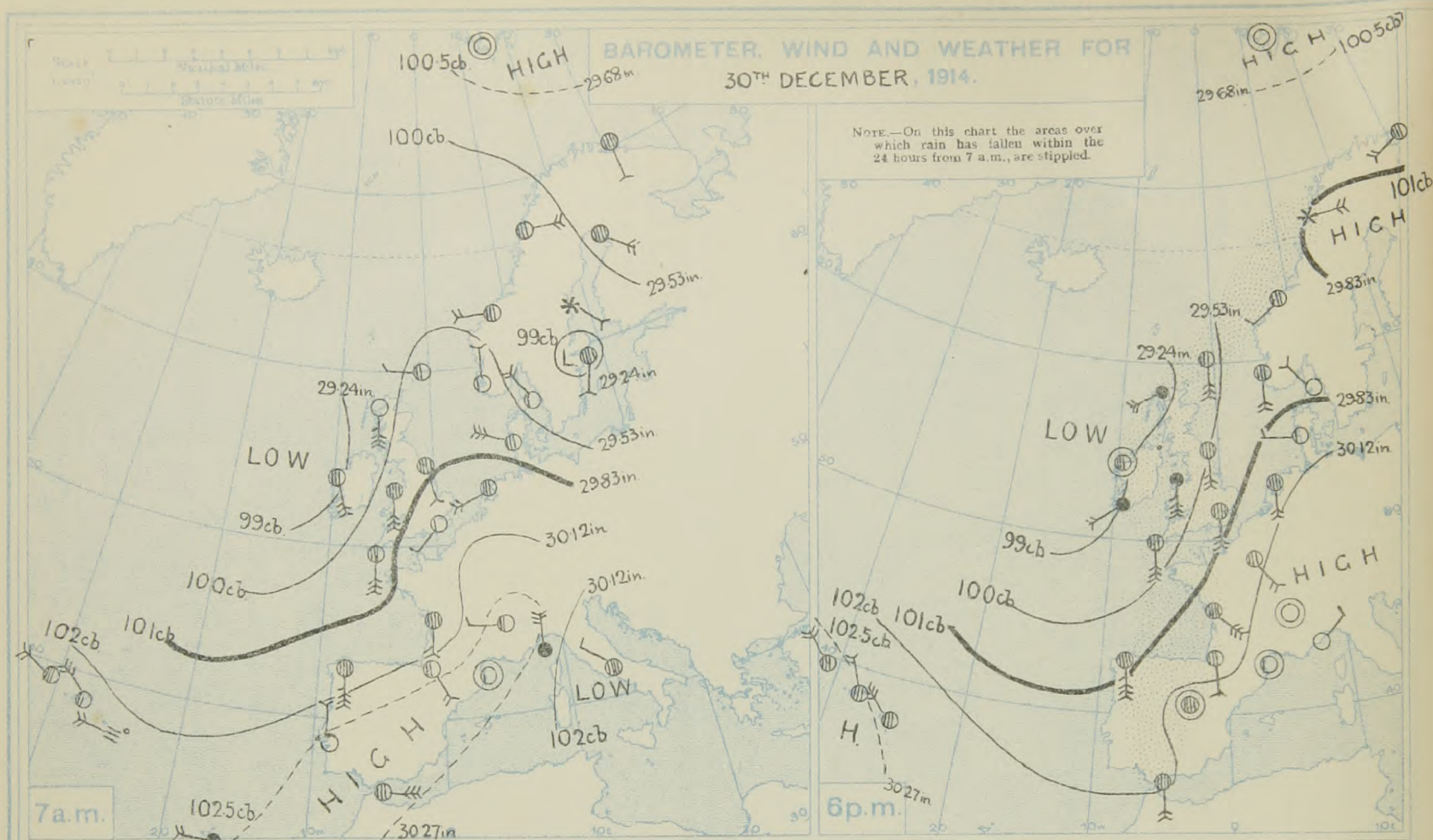
NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 40° in many northern localities, followed by frost in most places in the night. Valencia had 19 mm. of rain, other districts little or none. As a rule there was much sunshine, up to 6½ hours at Bexhill.

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.

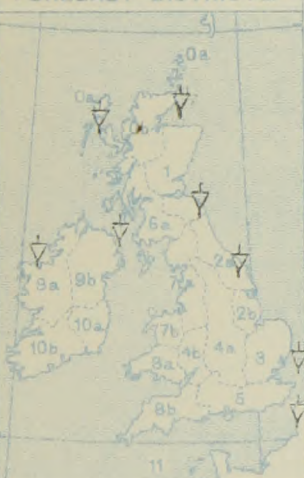
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DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		Barom. Milli- bars at M.S.L.	Temp. ° F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea (0-9).	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
																						Hours.
BRITISH ISLANDS.	Lerwick	996.4	43	S	6	cm	986.3	-4	46	+10	S	6	-	omg	6	17	46	35	bc	bc	omgr	*
	Deerness	991.9	42	SE	6	rgu	984.4	*	40	+4	SSW	3	-	o	5	19	43	33	b. bc. c. o	our	r. o	0.0
	Stornoway	987.4	42	SW	4	od	984.1	-2	38	-6	SSW	3	-	omrtp	3	2	45	33	cdpa	od	omprh	0.0
	Castlebay (Barra Isd.)	987.6	42	W	4	o	984.6	-1	39	-7	ESE	1	-	o	2	8	47	36	og. op	op. o	a. bc. op	0.0
	Glasgow	991.7	39	SSW	3	or	982.0	0	38	+7	SSW	3	-	o	*	10	41	20	c. op. o	od	omr. o	0.1
	Esldalemuir	994.0	39	SSE	5	orm	989.3	0	38	+9	SW	6	-	og	*	18	42	28	op. o	a. orm	or. o	0.0
	Malin Head	990.8	40	S	3	cg	986.3	-1	37	-1	SSW	6	S	bcg	4	Trace	45	36	c. o	cg	bcg	0.0
	Markree Castle	990.2	38	S	1	m	989.5	*	34	-6	S	3	-	bc	*	6	*	*	or.	o	ops. c	0.0
	Blacksod Point	989.4	40	-	0	cm	988.1	-1	39	-3	SW	4	SW	oph	4	5	44	34	ep	cm	oph.	0.0
	Valencia	989.5	39	SW	3	r	942.2	+1	37	-11	S	3	-	bc	4	10	47	37	mph	omr	mr	0.0
	Roche's Point	991.4	42	N	2	o	994.6	*	37	-11	W	1	-	b	4	14	48	36	r. o. c	op. o	op. b	*
	Birr Castle	990.2	38	-	0	r	991.8	*	31	-13	-	0	-	bc	*	10	45	31	or. o	o. or	or. bcc	0.0
	Donaghadee	990.6	38	S	2	ogm	989.8	+3	33	-10	SW	3	SW	bc	2	25	46	32	omr	omr. og	r. om. bc	*
	Liverpool (Bidston)	995.6	40	SE	4	r	992.6	+2	40	+6	WSW	3	S	o	3	2	46	33	og	or	ogp	0.0
	Holyhead	990.9	47	S	7	ormgr	993.5	+4	40	-3	WSW	3	W	b	3	23	47	39	c. oggr	ormgr	or. c. bc	0.0
	Pembroke (St. Ann's)	991.8	44	SSW	7	o	995.1	+3	44	-3	W	3	W	bc	4	13	44	42	og	ogmr	ogmr	0.0
	Silly (St. Mary's)	993.9	49	S	6	cm	997.7	+1	44	-5	WtW	4	W	bcg	6	7	50	41	omr	omr	c. cglp	0.0
	Falmouth	995.8	48	S	9	r	996.9	+2	41	-7	NW	2	-	o	3	8	50	41	omg	rg	rg. o	0.0
	Jersey (St. Aubin)	1008.2	48	S	7	o	997.4	*	45	0	WSW	4	SW	og	3	3	49	43	c. o	ogp. o	or. og	0.3
	Portland Bill	1003.3	49	S	8	o	996.5	0	46	+4	WSW	3	-	or	6	12	49	42	c. o	ep	org	*
	Dungeness	1010.6	45	SW	7	cg	1000.0	-3	43	+1	SSW	8	-	og	7	0.4	45	41	cp	cg	og	*
	Dover	1011.7	43	SSW	6	o	1000.6	-2	41	+5	S	6	S	o	6	-	44	40	x. of. c	c. o	bc. c. o	0.1
Wick	991.5	42	SSE	8	r	985.4	+1	35	-2	SW	2	-	m	4	8	43	34	bc. on	ep. omr	omp	*	
Nairn	991.4	40	-	0	cd	985.7	*	34	+4	-	0	-	ou	1	3	43	29	cg. u	og. u	cpj	0.0	
Aberdeen	994.5	43	SSE	6	r	988.0	+2	40	+7	SSW	3	-	o	5	25	45	32	c. o	or	ong. o	0.0	
Leith	993.2	43	SSE	3	r	987.6	0	43	+9	SW	2	-	o	*	2	46	33	a. c	c. o	ep. or	*	
Tynemouth	1000.1	41	S	5	o	991.4	0	42	+9	S	3	-	om	4	-	45	32	cm	cm	omg	*	
Spurn Head	1003.3	36	S	6	o	995.2	-1	41	+7	S	7	-	org	7	3	41	34	bc	og	org.	0.7	
Yarmouth	1009.8	43	S	4	c	999.9	0	42	+10	S	6	S	o	4	-	43	30	bc	c	o. og	0.3	
Clacton-on-Sea	1010.0	43	SSE	5	og													bc	bc. c. og			
Nottingham	1002.5	44	S	5	o	995.3	*	41	+10	S	4	S	o	*	3	46	30	bc. o	o	or	0.0	
Bath	1003.4	48	S	3	r	996.3	*	41	+9	S	1	S	o	*	16	49	32	c. or	or	rg. o	0.0	
London (Kew Obs.)	1007.3	46	S	5	og	997.9	-3	42	+11	S	4	-	or	*	3	46	30	bm. bc. o	o. od. og	og. og. or	0.0	
ICELAND, FAEROE, &c.	Spitsbergen	1007.0	9	-	0	b	1006.7	*	14	+14	NE	7	*	o	*	*	14	-4	GALES.			
	Isafjord...																		Duration and Extreme Force in British Islands.			
	Reykjavik																					
	Vestmanna																					
	Seydisfjord																					
	Thorshavn																					
NORTHERN EUROPE.	Vardö	1001.7	23	SW	3	c	1001.5	0	23	-5	SW	2	-	o	2	*	28	23	Castlebay			
	Bodö	1010.7	30	E	4	s	1004.6	+2	34	0	S	2	-	b	2	4	34	28	30th 7 a.m. - 10 a.m. SE 8			
	Christiansund	1005.3	37	SW	1	c	1002.1	-2	36	-3	SE	4	-	c	4	3	39	34	Esldalemuir			
	Skudesnaes	1008.0	41	S	4	c	1002.4	-3	41	+4	SE	10	-	o	5	-	41	34	30th 10 p.m. gust SSE 21 mps			
	Færder (N. of Oslofjord)	1009.1	36	W	2	b	1012.3	+1	37	+1	SSE	1	-	c	2	-	37	32	Roche's Point			
	The Scaw (Skagen)	1009.2	36	W	2	b	1013.2	+1	36	-1	SSW	3	-	b	3	-	43	36	30th 7 a.m. - 8 a.m. S 8			
	Blaavands Huk	1015.4	41	W	1	b	1012.2	-1	36	-5	S	4	-	m	4	Trace	41	34	Holyhead			
	Haparanda																		30th Forenoon gusts S 22 mps.			
	Hernösand																		30th Afternoon Ex. S 8			
	Stockholm																					
Wisby																						
Karlstad																						
Petrograd (S. a.m. G.M.T.)																		Silly				
FRANCE, &c.	The Helder	1015.9	36	S	4	o	1006.7	-4	34	-7	SSE	5	-	o	4	-	43	34	30th 2 p.m. - 4 p.m. SSW 8			
	Brussels																		Falmouth			
	C. Gris Nez	1011.8	37	S	7	c	999.4	-3	37	-1	S	6	*	o	5	-	45	37	30th 3 p.m. - 7 p.m. S 8			
	La Hève	1011.1	45	S	5	o	1000.0	*	41	+4	SSE	5	*	c	5	-	45	37	Ex. S 9 @ 6 p.m.			
	Ushant	997.0	48	SW	8	r	997.2	*	50	0	W	4	*	o	6	6	50	46	Portland Bill			
	Brest (St. Mathieu)	1001.7	46	SSW	7	o	1000.0	+2	45	-3	W	3	*	o	6	16	50	45	30th 6 p.m. - 31st 4 a.m. S 8			
	Rocheport (Ile d'Aix)	1014.1	43	SE	6	o	1003.3	-3	43	+3	S	5	*	o	*	1	46	39	Ex S 9 @ 3 a.m.			
	Biarritz	1014.9	50	S	2	c	1005.9	+3	48	+4	WSW	3	*	r	5	3	52	44	Dungeness			
	Paris	1017.1	39	SSE	3	bc	1005.9	-4	37		SSE	3	-	o	*	-	39	39	31st 4 a.m. - 7 a.m. S 8			
	Belfort																					
Lyons	1023.9	34	-	0	b	1018.9	*	43	+11	S	4	*	o	*	-	44	32	Wick				
Nice	1023.4	39	NE	1	b	1022.0	0	39	-3	-	0	*	c	3	-	52	34	30th 4 p.m. - 11 p.m. SSE 8				
Perpignan	1020.3	43	-	0	b	1009.5	-3	50	+11	S	6	S	c	*	-	50	32					
Sanguinaire	1022.6	55	E	3	bc	1019.9	*	46	-3	E	3	*	bc	4	-	59	43					
SOUTHERN EUROPE.	Corunna (7 a.m.)	1008.4	50	S	7	o	1009.1	+3	46	-2	NW	6	-	o	5	2	50	45	Aberdeen			
	Madrid (8 a.m.)	1024.3	39	-	0	o	1010.3	-4	37	+7	-	0	-	r	*	12	41	36	30th 6 p.m. gust SSE 21 mps			
	Lisbon (9 a.m.)																		31st 2 a.m. gust SSE 22 mps			
	Gibraltar	1019.3	55	S	4	o	1015.2	*	55	0	SW	6	-	o	3	8	58	53	Spurn Head			
	Rome																		30th 10 p.m. - 31st 5 a.m. S 8			
Azores (Horta, 8 a.m.)	1025.2	*	NW	3	c																	
Madeira (Funchal)																						



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 yesterday at 8.15 a.m. in Districts 9, 1, 2, 3, 5, 6 & 9.

Western Channel and Bay 11

Wind between South and West, fresh and gusty
at times locally; changeable, some rain, hail in
places; moderate temperature.

FURTHER OUTLOOK.

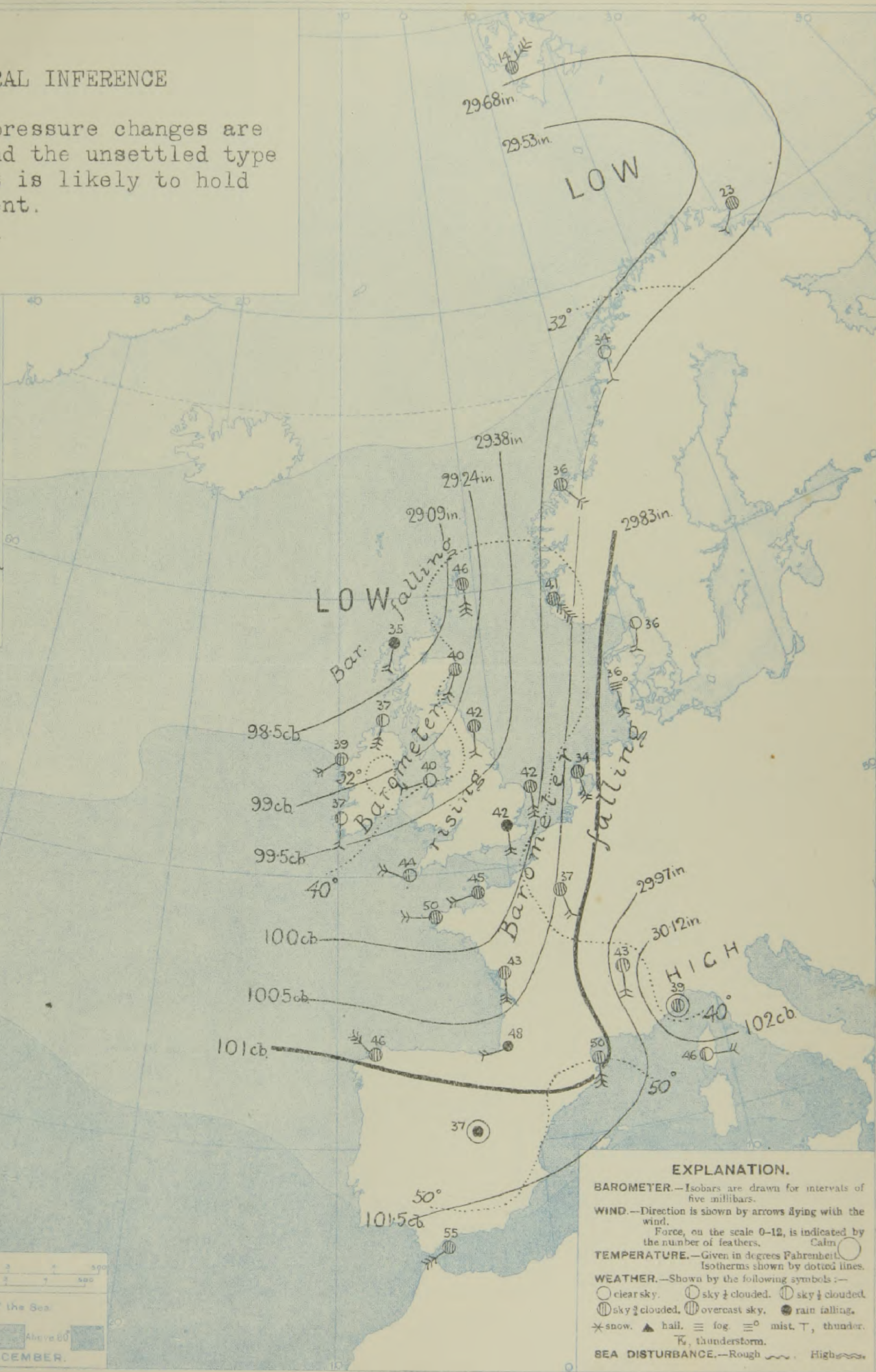
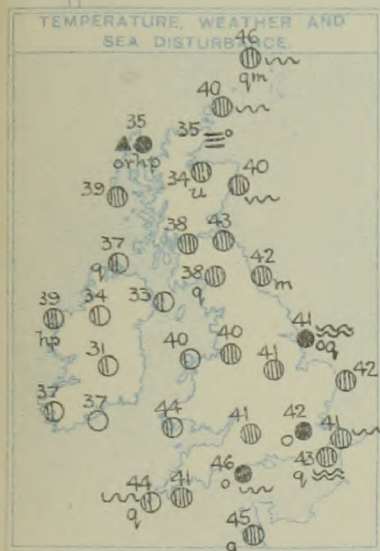
R. G. K. LEMPFFERT, Superintendent, Forecast Division.

W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., THURSDAY, 31ST DECEMBER, 1914.

GENERAL INFERENCE

The pressure changes are irregular, and the unsettled type of conditions is likely to hold for the present.



EXPLANATION.

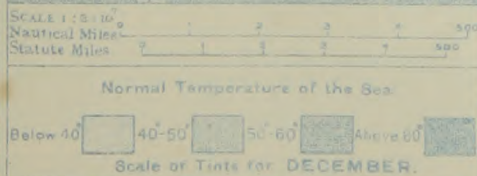
BAROMETER.—Isobars are drawn for intervals of five millibars.

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 ½ clouded. ○ sky ¾ clouded.
⊙ sky ¾ clouded. ⊙ overcast sky. ⊙ rain falling.
✱ snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.
T, thunderstorm.

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



DAILY WEATHER REPORT.

Thursday, Dec 31 1914

REPORTS FOR YESTERDAY.	STATIONS.	EVENING OBSERVATIONS.					OBSERVATIONS AT 7 A.M., G.M.T.										Sea 0-9.	Rain- fall. Milli- metres.	TEMP.	
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Dirce. of Upper Cloud.	Weather.	Max.	Min.				
				Dirce.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirce.	Force 0-12.								
December 30th 1914.	Blackod Point	1006.9	41	SW	4	bcy	989.4	0	42	+4	SEE	5	-	cpq	6	6	4	23		
	Haparanda	1005.1	25	S	4	0	1002.1	-2	21	-	SE	4	-	0	-	-	30	21		
	Hernösand	996.0	34	SE	4	0	994.0	0	34	-	SE	2	-	0	-	11	36	20		
	Stockholm	993.5	37	SE	4	0	987.1	+2	37	-	WSW	2	-	0	-	11	39	38		
	Wibby	994.1	39	S	4	0	994.3	+6	39	-	WSW	8	-	0	-	3	41	34		
	Karlsbad	998.0	36	ESE	2	0														
	Brest	1020.0	45	WNW	4	bc	1013.6	-4	48	+8	SW	3	0	0	4	2	54	47		
	Lyons	1021.6	41	NW	3	bc	1027.4	-	32	-11	W	1	0	bc	4	-	48	31		
	Nice	1013.1	46	N	6	bc	1021.2	+5	42	-4	N	5	0	T	4	-	58	37		
	Madrid	1030.6	43	NW	1	bc	1030.7	0	39	-9	N	1	-	bc	4	-	43	28		
	Lisbon	1030.4	50	N	2	bc	1028.2	-3	39	-9	NW	2	-	bc	4	-	54	36		
	Rome	1012.6	54	SW	1	0	1016.6	+2	46	-2	NW	1	-	0	4	-	54	43		
	Horta					0	1021.7	+2	55	0	WNW	5	NW	bc	4	28	59	54		
	Funchal	1027.8	62	SE	3	0	1024.7	0	62	+1	W	3	W	T	3	2	64	50		

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall. mm. §	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
		°F.	°F.						°F.	°F.			
Scot- land.	Oban ...	4	41	3	bc. 0	0.0	Tunbridge Wells ...	1	45	29	omp. 0	0.0	0.0
	Banff ...	-	41	40	*	0.0		-	44	33	c	c	0.0
	St. Andrews ...	-	41	40	*	0.0		-	43	30	c	c	0.0
Eng. N.E.	Harrogate ...	-	40	28	0	0.0	Folkestone ...	-	45	32	ox. b	0. b. c	1.2
	Scarborough ...	-	38	31	c. b	0.0		-	46	32	b. 0. c	0	0.0
	Skegness ...	-	42	30	0. bc	0.8		-	46	34	bc	0	0.0
Eng. N.W.	Morecambe ...	-	46	33	0	0.0	Eastbourne ...	2	46	32	bc. 0	0.0	0.0
	Blackpool ...	-	44	3	c. 0	0.0		1	47	32	c. 0	c. r	0.0
	Southport ...	-	44	3	c. 0	0.0		-	46	31	c	bc	0.0
Midlands	Buxton ...	2	37	28	c	0.0	Brighton ...	1	47	32	bc. c	c	0.0
	Leamington Spa ...	-	44	27	c	0.0		-	46	31	c	bc	0.0
	Malvern ...	3	44	32	c	0.0		1	47	29	bc. c	c	0.0
Wales.	Ross-on-Wye ...	4	47	32	c. or	0.0	Littlehampton ...	0.3	47	3	or. c	0	0.0
	Rhyl ...	1	45	30	c	0.6		1	48	32	ogq	ogq	0.0
	Colwyn Bay ...	5	45	37	b	0.5		0.3	48	32	ogq	ogq	0.0
England, E.	Llandudno ...	9	45	38	0	0.0	Bournemouth ...	0.3	48	32	ogq	ogq	0.0
	Aberystwyth ...	4	49	36	0. c. 0	0.0	Weymouth ...	1	49	35	0. c.	0.0	0.0
	Tenby ...	6	46	32	bc. 0	0.0		2	50	35	0	r. or	0.0
England, E.	Swansea ...	2	47	34	mp	0.0		6	50	36	orq	orq	0.0
	Cromer ...	-	40	31	20. c	0.0	Penzance ...	9	51	37	0	or	0.0
	Lowestoft ...	-	43	31	bc. c	0.4		7	49	34	or	or	0.0
England, E.	Felixstowe ...	-	43	37	c	0.5		8	50	36	od	od	0.0
	Walton-on-Naze ...	-	43	31	bc. c	0.2	Weston-super-Mare ...	2	49	34	or	r	0.0
	Southend-on-Sea ...	-	44	32	bc. 0. c	0.2							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.			Fore- noon.	After- noon.	Night.
	%	%		Max.	Min.	Min. on Grass.				
Greenwich (Royal Obey.) ...	85	95	0.0	46	37	32	2	0	0.02	0.02
City (Bunhill Row) ...	*	*	0.0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	60	95	0.0	45	40	31	3	0.02	0.02	0.02
Camden Sq. (Brit. Rainfall)	63	92	0.0	46	38	29	3	0.02	0	*
Hampstead (Reservoir) ...	*	94	0.0	45	32	28	4	0	c. or	or
Richmond Park ...	*	*	0.1							
Kew. (See front page)										
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)				Total.		Average Rate.		Max. Rate.		
S. Kensington (Roof of M.O.)				94		90		0.0		
				228 Joules		8.1 Milliwatts.		16 Milliwatts.		

Additional Observations for Yesterday.

STATIONS.	RAIN FALL.	TEMPERATURE.		WEATHER.		Sun- shine for Yester- day.
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
		Max.	Min.			
Dublin to 4 p.m.	9	48	32	30	bc. or	or
Darwin to 9 p.m.						
Manchester "						
Birmingham "	1	43	29	27	*	0.0
Oxford to 8 p.m.	*				0	or
Teignmouth to 9 p.m.	8	50	34	29	b. 0	or
Plymouth "						
S. Kensington (Museum Grounds to 6 p.m.)	0.3	47	38	40	b. bc	bc. 0

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to about 50° in the southwest of England. Rain was general, heavy in several localities, 23 mm. at Holyhead, 25 mm. at Donaghadee and Aberdeen. The day was practically sunless.

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

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

§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

ADDITIONS AND CORRECTIONS
TO THE
DAILY WEATHER REPORT.

DECEMBER, 1914.

Corrections and additions for the month of December are given on this sheet for stations in the British Isles, Scandinavia, Holland, France and "Southern Europe." The data for stations in Iceland, and Germany will be published separately in due course. Completed maps will eventually be published in the Weekly Weather Report of the Meteorological Office.

Reports which arrived within 24 hours of the date to which they referred were inserted on Page 4 of the Daily Weather Report of the following day.

REPORTS FOR DECEMBER, 1914.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.							PAST 24 HOURS.							Sun- shine for Yester- day.		
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 6-0.	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.	
25	Kriststad	1016.7	34	S	3	o	1008.7	-	37	+3	SSE	4	-	o	+	1	27	32	Hours.
	Petrograd	1031.3	25	S	2	c	1027.8	-	27	o	SSE	2	-	o	+	1	27	23
	Ushant	997.5	53	SW	6	r	994.0	+	51	-2	WSW	5	+	7	8	55	46	.	.	.	.	.
	Belfort	1013.3	38	-	o	o	1011.3	+	36	+3	-	o	-	r	2	43	34	.	.	.	.	.
	Rome	1018.4	45	N	2	b	1016.8	-1	41	-9	-	o	-	b	+	54	37	.	.	.	.	.
26	Clacon-on-Sea	999.0	30	S	9	a	996.7	+8	36	-11	WNW	4	-	ggg	25	48	34	.	.	.	.	0.0
	Faerder	1002.6	34	SSW	4	o	998.6	o	34	-2	S	4	-	o	4	.	.	.	.	.	.	.
	Haparanda	1002.6	34	SSW	4	o	1005.7	.	28	-6	SSW	8	-	o	+	36	27	.	.	.	.	.
	Hernösand	1006.3	34	SW	4	o	999.1	-2	34	-2	SE	4	-	o	3	36	32	.	.	.	.	.
	Stockholm	1004.6	34	SSW	4	o	999.6	.	37	o	SE	6	-	r	+	37	32	.	.	.	.	.
	Visby	1006.9	34	SSW	6	o	996.6	-	37	-1	S	4	-	o	+	37	32	.	.	.	.	.
	Petrograd	1025.3	19	SSE	2	b	1020.2	.	16	-11	SE	2	-	b	.	46	37	.	.	.	.	.
	Madrid	1017.9	48	-	o	o	1028.8	+7	37	o	NW	3	-	b	+	.	.	.	.	.	.	.
30	Kriststad.	.	.	.	.	.	991.7	-	34	o	WNW	1	-	c	+	.	.	.	.	.	.	.
	Petrograd	1017.0	18	SSE	2	b	1012.4	.	27	+11	SE	3	-	b	+	45	28	.	.	.	.	.
	Paris	1017.5	37	WSW	2	c	1022.0	+1	30	-9	S	2	-	b	+	50	32	.	.	.	.	.
	Belfort	1019.5	32	WSW	5	o	1025.5	+	34	-5	N	6	-	o	+	.	.	.	.	.	.	.
31	Petrograd	1009.2	25	S	3	o	1008.4	.	34	+7	SSW	2	-	c	+	41	27	.	.	.	.	.
	Belfort	1026.1	32	WSW	2	b	1015.9	+	28	-6	ENE	5	-	bc	+	.	.	.	.	.	.	.
30	Clacon-on-Sea	.	.	.	.	.	1015.9	o	25	-1	W	2	-	bex	2	41	32	.	.	.	.	b. bex 1.0

Corrections.

[illegible]

—CORRECTIONS.

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 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
27	Eskdalemuir Roches Point Birr Castle	1012.0	.	.	.	.	995.7 989.7	.	.	.	.	.	.	.	.	.	33	.	.	.	.	.
28	Eskdalemuir Holyhead Pembroke	.	.	.	.	.	.	.	.	WSW	.	.	.	.	.	.	.	.	0.3 m	.	.	.
29	Malin Head	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.1	.	.	.
30	Donaghadee Spurn Head	.	34	.	.	.	1012.0	.	.	.	.	.	.	.	.	.	.	.	11	.	.	.
31	Deerness. Malin Head Pembroke Wick	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.1 9	48	.	.	.	.	.