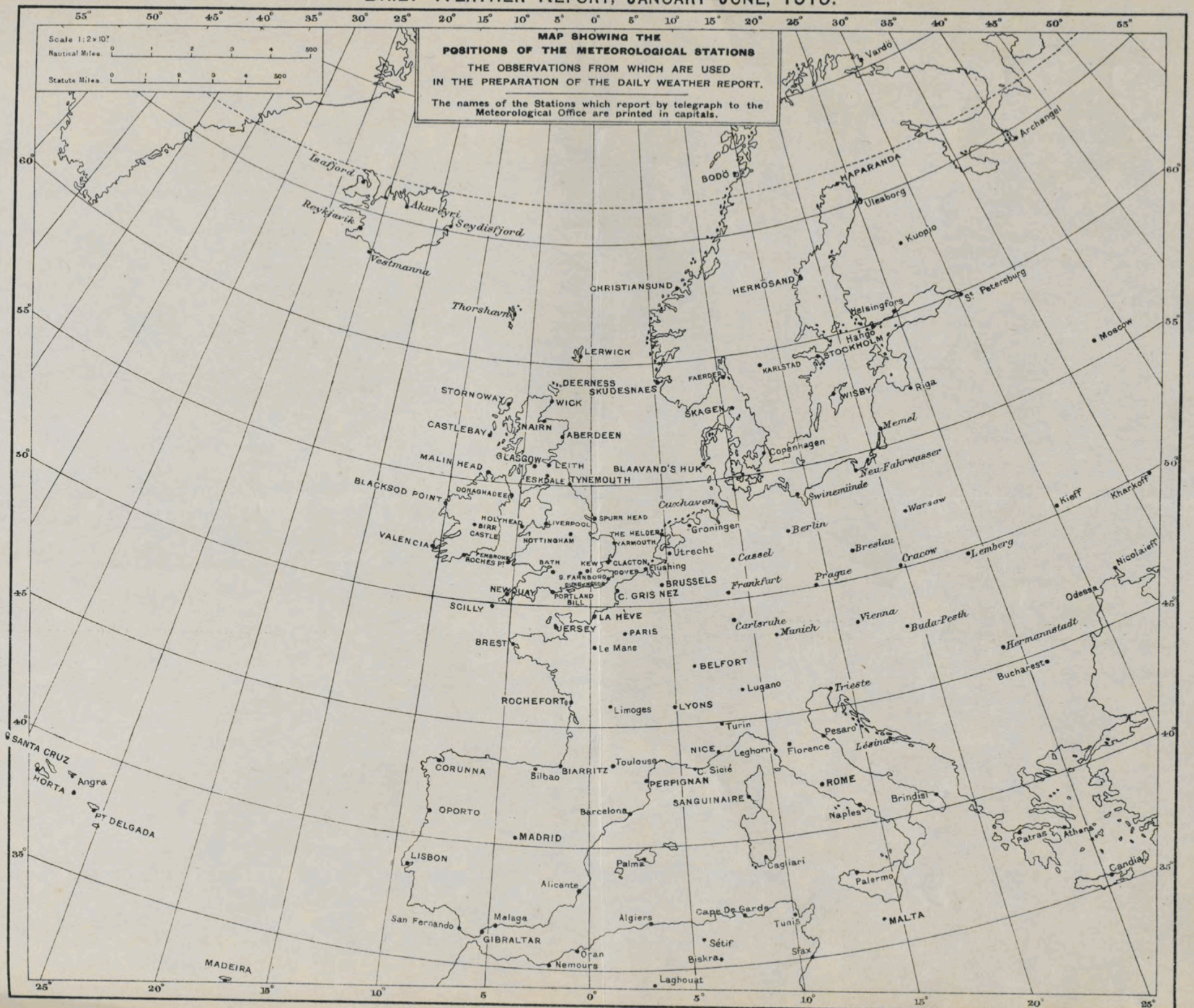
METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE 1915.

DAILY WEATHER REPORT, JANUARY–JUNE, 1915.



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

WYMAN & SONS LTD M.O. PRESS, LONDON S.W.

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

SECOND QUARTER, APRIL TO JUNE.

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

	STATIONS.	PRESSURE. 1906-1910.	AIR TEMPERATURE.								RAINFALL. 1876-1910.		BRIGHT SUNSHINE. 1881-1910.	
			Means of				Absolute Extremes.							
			1906-1910.		1876-1910.		1876-1910.							
							Maximum.		Minimum.					
		7 a.m. Observations (reduced to M.S. Level and to Lat. 45°).	Dry Bulb 7 a.m.	Wet Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Temp.	Year.	Temp.	Year.	Days with Rain.	Total Fall.	Average Duration.	Per Centage of Possible Duration.
		In.	°	°	°	°	°		°			In.	Hr.	%
APRIL.	Sumburgh Head	29·844	39·8	38·2	45·9	36·9	59	1901	21	1899	19	2·02	—	—
	Stornoway	29·865	40·6	39·2	49·1	37·2	67	1893	20	1881	18	2·77	159	37
	Castlebay (Barra Isd.)	[29·876]††	[42·3]††	[40·5]††	[47·2]††	[39·7]††	[54]††	[1908]††	[27]††	[1908]††	[21]††	[3·26]††	[177]††	[42]††
	Malin Head	29·867	42·3	40·9	[49·4]‡	[40·7]‡	[67]‡	[1900]‡	[26]‡	[1908]‡	[19]‡	[1·90]‡	—	—
	Blacksod Point	29·914	45·0	43·0	[51·4]‡	[41·9]‡	[71]‡	[1893]‡	[29]‡	[1897]‡	[20]‡	[2·95]‡	—	—
	Valencia	29·955	44·9	43·0	53·4	42·5	70	1892	30	1879, 92, 97, 98, 06	20	3·93	159	39
	Roche's Point	29·957	44·2	43·1	52·9	42·2	72	1893	29	1908	16	3·14	—	—
	Birr Castle	29·940	42·7	41·3	54·0	38·1	73	1893	21	1892	16	2·21	153	37
	Donaghadee	29·933	41·5	40·1	50·7	40·1	67	1909	28	1908	16	2·07	—	—
	Liverpool (Observatory)	29·936	42·3	40·2	52·3	40·1	75	1893	28	1908	14	1·69	[175]††	[42]††
	Holyhead	29·926	44·1	42·4	51·0	41·4	75	1893	30	1908	15	2·14	—	—
	Pembroke (St. Ann's Hd.)	29·929	43·2	42·0	50·3	41·9	70	1893	29	1908	15	2·11	178	43
	Scilly (St. Mary's)	30·066	45·9	44·0	52·6	44·7	66	1893	32	1876	16	2·13	181	44
	Jersey (St. Aubin's)	29·961	46·2	43·9	54·3	43·6	77	1893	32	1876, 92, 00, 03, 08, 10.	15	2·13	193	47
	Portland Bill	29·938	44·1	42·3	51·7	42·3	[65]†	[1901, 04]†	[30]†	[1908]†	13	1·65	—	—
	Dungeness	29·922	43·8	42·2	51·5	40·7	67	1901	24	1903	13	[1·34]‡	—	—
	Dover	[29·944]††	[43·9]††	[42·3]††	[52·0]††	[39·6]††	[65]††	[1909]††	[29]††	[1908]††	[15]††	[1·94]††	[200]††	[49]††
	Wick	29·859	40·3	38·5	49·1	36·7	69	1900	20	1905	18	1·96	—	—
	Nairn	29·872	39·7	37·5	51·4	36·0	71	1900	18	1908	16	1·45	[144]**	[34]**
	Aberdeen	29·899	41·3	39·5	49·5	37·6	74	1900	22	1908	18	2·09	157	37
	Leith	29·904	42·2	40·0	52·2	37·8	73	1900	17	1908	14	1·46	—	—
	North Shields	29·915	41·0	39·4	49·9	37·7	71	1892	23	1908	15	1·63	—	—
	Spurn Head	29·909	42·4	41·0	49·2	40·0	[67]*	[1885]*	[30]*	[1881, 89, 03, 05]*	14	1·19	—	—
	Yarmouth	29·921	42·8	40·7	49·4	39·7	72	1885	25	1878	15	1·61	[206]††	[50]††
	Clacton-on-Sea	29·936	43·4	41·5	50·7	40·1	[69]§	[1907, 09]§	[29]§	[1903]§	12	1·50	[188]¶	[46]¶
	Nottingham	29·937	42·5	39·8	54·1	37·9	79	1876	23	1888	16	1·63	[152]‖	[37]‖
	Bath	29·960	42·7	40·9	54·6	38·7	[74]†	[1901]†	[26]†	[1906, 08]†	13	2·17	149	36
	Oxford	29·965	43·7	41·1	54·9	38·6	80	1893	23	1892	14	1·73	153	37
	LONDON { Westminster	29·941	43·0	41·2	[54·9]¶	[40·2]¶	[72]¶	[1907]¶	[29]¶	[1910]¶	[16]¶	[1·80]¶	121	29
	LONDON { Kew	29·957	42·5	40·3	54·7	39·5	~~80~~	~~1900, 01~~ 1893	27	1887, 91	13	1·66	153	37
MAY.	Sumburgh Head	29·904	43·8	42·1	49·9	40·2	63	1895	27	1877	18	1·91	—	—
	Stornoway	29·893	46·4	44·5	53·3	41·2	75	1908	26	1906	19	2·53	192	37
	Castlebay (Barra Isd.)	[29·940]††	[48·2]††	[46·1]††	[53·7]††	[45·3]††	[70]††	[1908, 10]††	[32]††	[1909]††	[21]††	[2·45]††	[220]††	[44]††
	Malin Head	29·868	46·9	46·0	[54·1]‡	[44·9]‡	[73]‡	[1908]‡	[35]‡	1886, 91, 97, 04, 06, 10	[18]‡	[2·10]‡	—	—
	Blacksod Point	29·890	49·3	47·5	[55·9]‡	[45·9]‡	[75]‡	[1890]‡	[34]‡	[1910]‡	[19]‡	[2·87]‡	—	—
	Valencia	29·915	50·1	48·1	57·6	46·0	74	1884, 95, 97	34	1877, 85, 96	18	3·15	207	43
	Roche's Point	29·938	49·7	48·2	57·7	46·3	73	1896	35	1909	15	2·59	—	—
	Birr Castle	29·925	50·1	48·0	59·6	42·5	77	1881, 95	28	1877	15	2·29	185	38
	Donaghadee	29·929	46·8	45·3	55·8	44·0	70	1896	33	1909	16	2·35	—	—
	Liverpool (Observatory)	29·946	49·1	46·7	58·0	45·0	80	1895	30	1883	15	1·99	[239]††	[49]††
	Holyhead	29·927	49·7	48·0	55·8	45·6	74	1895	37	1894, 03, 07, 09	14	1·97	—	—
	Pembroke (St. Ann's Hd.)	29·926	48·5	47·3	55·0	45·9	72	1890, 1910	34	1879	14	1·94	219	46
	Scilly (St. Mary's)	30·054	50·2	48·6	56·4	48·2	67	1896	38	1883	13	1·74	231	49
	Jersey (St. Aubin's)	29·976	52·4	49·9	59·5	47·6	78	1908	35	1905, 06	13	1·90	244	52
	Portland Bill	29·951	49·7	48·1	56·8	46·5	[72]†	[1910]†	[36]†	[1902]†	12	1·47	—	—
	Dungeness	29·951	50·3	48·7	57·3	46·0	76	1892	30	1892, 02	12	[1·34]‡	—	—
	Dover	[30·034]††	[51·5]††	[49·1]††	[58·9]††	[45·7]††	[77]††	[1909]††	[35]††	[1909, 10]††	[12]††	[1·76]††	[250]††	[52]††
	Wick	29·897	45·8	43·6	53·8	40·6	71	1891	24	1876	18	2·05	—	—
	Nairn	29·897	46·4	44·1	56·6	40·9	78	1888	26	1894	16	1·75	[177]**	[35]**
	Aberdeen	29·923	47·5	45·3	54·6	41·7	75	1902	29	1884, 91	17	2·27	187	37
	Leith	29·914	48·0	45·6	57·4	42·5	81	1881	27	1883	15	1·83	—	—
	North Shields	29·932	48·1	46·1	54·5	42·3	73	1903	29	1891, 09	14	1·91	—	—
	Spurn Head	29·935	49·2	47·2	54·6	45·0	[75]*	[1883]*	[34]*	[1891]*	13	1·51	—	—
	Yarmouth	29·950	50·2	47·6	55·3	44·9	75	1909	32	1891, 92	14	1·80	[261]††	[54]††
	Clacton-on-Sea	29·961	50·7	48·4	56·7	45·1	[75]§	[1909]§	[31]§	[1902]§	10	1·38	[231]¶	[48]¶
	Nottingham	29·953	49·7	48·0	60·2	42·8	82	1895	25	1879	16	1·95	[174]‖	[36]‖
	Bath	29·973	50·9	48·6	61·2	43·8	[79]†	[1884, 1909]†	[29]†	[1902]†	13	2·03	211	44
	Oxford	29·976	51·9	48·6	60·9	43·7	83	1895	28	1877	13	1·85	195	41
	LONDON { Westminster	29·958	51·2	48·6	[62·3]¶	[46·7]¶	[81]¶	[1909]¶	[33]¶	[1906]¶	[12]¶	[1·51]¶	171	36
	LONDON { Kew	29·973	50·7	48·0	61·1	44·5	84	1895	30	1877	13	1·76	201	42
JUNE.	Sumburgh Head	29·924	48·0	46·7	54·0	44·9	70	1891	33	1888	15	1·71	—	—
	Stornoway	29·951	51·0	48·9	58·4	46·3	76	1893, 02, 05	31	1888	16	2·42	179	34
	Castlebay (Barra Isd.)	[30·010]††	[51·9]††	[49·6]††	[57·2]††	[49·1]††	[71]††	[1908, 10]††	[44]††	[1908, 10]††	[14]††	[1·94]††	[209]††	[40]††
	Malin Head	29·947	51·5	50·3	[58·8]‡	[49·8]‡	[78]‡	[1905]‡	[40]‡	[1902, 07]‡	[16]‡	[2·16]‡	—	—
	Blacksod Point	29·982	53·6	51·7	[60·8]‡	[51·0]‡	[82]‡	[1887]‡	[40]‡	[1894, 07]‡	[17]‡	[2·78]‡	—	—
	Valencia	30·014	54·2	52·2	62·2	51·0	81	1887, 02	38	1903	17	3·37	190	39
	Roche's Point	30·016	54·3	52·5	63·0	51·4	80	1876, 87	41	1881	13	3·05	—	—
	Birr Castle	29·999	54·4	52·3	64·9	48·7	85	1887	32	1881	15	2·45	165	33
	Donaghadee	29·985	51·4	49·8	60·9	49·2	77	1887	36	1880	15	2·34	—	—
	Liverpool (Observatory)	29·994	53·5	51·1	63·7	51·1	85	1878, 93	40	1903, 07	14	2·25	[198]††	[40]††
	Holyhead	29·986	53·8	52·3	61·2	50·8	83	1878	42	1882	14	2·25	—	—
	Pembroke (St. Ann's Hd.)	29·992	52·7	51·4	60·1	51·4	79	1893	38	1888	13	2·04	223	46
	Scilly (St. Mary's)	30·135	54·4	52·6	61·3	53·2	75	1893	41	1888	14	1·76	238	49
	Jersey (St. Aubin's)	30·059	56·7	54·3	64·8	52·9	84	1878, 93	39	1890	12	2·09	239	50
	Portland Bill	30·004	54·1	52·4	61·9	52·1	[78]†	[1903]†	[43]†	[1903]†	10	1·51	—	—
	Dungeness	29·987	55·3	53·1	62·8	52·0	77	1878	37	1890, 1, 2, 3, 09	12	[1·56]‡	—	—
	Dover	[29·990]††	[55·8]††	[53·4]††	[63·1]††	[50·4]††	[80]††	[1908]††	[39]††	[1909]††	[14]††	[2·53]††	[207]††	[42]††
	Wick	29·939	50·3	48·2	58·5	45·4	79	1878	30	1881, 1903	15	1·82	—	—
	Nairn	29·948	51·5	48·9	62·2	46·5	86	1876	30	1888, 1903	15	1·82	[163]**	[31]**
	Aberdeen	29·964	52·8	49·9	60·2	47·0	80	1881, 87	30	1888	15	1·82	184	35
	Leith	29·962	53·4	50·2	63·1	48·2	86	1887	34	1886	14	1·82	—	—
	North Shields	29·973	52·9	50·6	60·5	47·9	80	1897	36	1907, 09	13	1·81	—	—
	Spurn Head	29·967	53·5	51·4	60·5	50·7	[80]*	[1885]*	[34]*	[1881]*	12	1·50	—	—
	Yarmouth	29·974	54·7	52·1	61·8	51·1	81	1877, 88	37	1898	12	1·78	[212]††	[43]††
	Clacton-on-Sea	29·990	55·4	53·0	63·5	50·7	[78]§	[1903]§	[38]§	[1902]§	11	1·62	[204]¶	[42]¶
	Nottingham	29·989	54·1	51·8	67·1	48·7	89	1878	33	1906	14	2·11	[174]‖	[35]‖
	Bath	30·024	55·2	52·4	66·6	49·9	[87]†	[1878]†	[37]†	[1903]†	11	2·42	193	39
	Oxford	30·019	55·7	52·5	66·9	50·0	86	1876, 93	35	1892, 93	12	2·33	191	39
	LONDON { Westminster	29·994	55·4	52·5	[66·5]¶	[51·8]¶	[81]¶	[1908]¶	[43]¶	[1906, 09]¶	[14]¶	[2·75]¶	168	34
	LONDON { Kew	30·010	55·1	52·0	67·5	50·8	87	1900	37	1880	13	2·25	194	40

* Results for 30 years, 1881-1910.
† " 26 " 1876-1884 and 1899-1910.
‡ " 25 " 1886-1910.
At Birr Castle and Oxford the averages are for 8 a.m.

†† Results for 11 years, 1900-1910.
§ " 10 " 1901-1910.
‖ " 7 " 1904-1910.

¶ Results for 6 years, 1905-1910.
** " 4 years, 1907-1910.
†† " 3 " 1908-1910.

METEOROLOGICAL OFFICE,
South Kensington, London, S.W.
May, 1911.

(20066—24.) Wt 40665—7402. 4000. 5/11. D & S.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 121

Saturday, 1st May, 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1014.4	39	NNW	3	o	1010.9	o	38	−1	NE	2	–	c	1	–	41	34	c	c	o.c	*
	Deerness ...	1013.9	39	NE	3	o	1010.1	+	38	−3	NNW	1	–	o	2	1	44	36	or	o	od.o	0.4
	Stornoway ...	1013.4	41	NE	5	drq	1010.8	−1	40	−4	NNE	4	–	dqr	4	2	50	38	bcq	bc.drq	drqq	2.8
	Castlebay (Barra Isd.)	1010.8	45	N	4	dp	1010.2	o	41	−5	N	4	–	c	4	1	51	37	drn	drn.dp	dp.bc.b	0.0
	Glasgow ...	1011.2	54	WSW	2	o	1007.0	−1	48	+4	SW	1	–	o	*	0.4	53	44	beg.b.o	eg.o	dfg.e	4.0
	Eskdalemuir ...	1012.9	45	SSW	3	dfe	1007.5	−1	46	+8	SW	3	–	drn	*	5	51	36	bem.drn	drn.dfe	dfe	2.4
	Malin Head ...	1011.6	50	W	4	drn	1009.0	o	44	−6	NNE	3	N	eq	3	–	54	43	drn	drn	eq	1.7
	Blacksod Point	1012.0	50	NW	3	bem	1008.8	−2	47	−2	NNE	3	NE	drn	2	1	52	46	bem	bem	drn.dr	*
	Valencia ...	1009.8	53	SSE	4	r	1008.8	o	49	−3	WSW	2	–	o	3	5	56	48	o	drn	o	0.1
	Roche's Point	1012.5	50	SSE	4	fr	1009.8	*	50	+2	SW	4	–	f	4	11	51	48	drn	m.f	d.fe	*
	Birr Castle ...	1012.9	51	SSE	1	r	1007.2	*	55	+5	S	1	–	o	*	3	55	48	o	or	or.dp	0.0
	Donaghadee ...	1011.8	52	SW	3	drn	1007.4	−1	48	−2	N	2	–	drn	1	7	60	47	drn	drn	drn	*
	Liverpool (Bidston)	1014.3	50	NW	1	o	1009.0	−1	51	+5	SSW	1	3	od	1	3	54	46	drn	o	or	1.5
	Holyhead ...	1014.2	49	SSW	5	drng	1008.5	−3	48	+1	SW	5	–	fe	4	7	51	46	fe.drn.o	o.drn	or.fe.c	0.0
	Pembroke (St. Ann's)	1015.2	47	SSW	3	o	1011.3	o	48	+2	SW	4	SW	dqr	4	4	51	46	dqm	drn	drn.r	2.6
	Scilly (St. Mary's)	1015.7	50	S	4	rnd	1012.7	−1	49	+1	S	4	–	fr	4	5	51	48	drn	drn.d	fri.fr	0.0
	Falmouth ...	1016.0	49	S	3	o	1013.2	o	49	+1	SSW	2	–	dfe	2	trace	51	47	dq	dq	de.fe	0.0
	Jersey (St. Aubin)	1017.3	52	S	2	bm	1015.7	*	45	+1	S	2	–	fe	0	trace	54	40	fe.bf	f.bf.brn	bfe	6.2
	Portland Bill ...	1017.3	48	WSW	2	f	1014.8	−1	47	−6	WSW	3	–	f	3	–	54	43	bf	f	drn.f	*
	Dungeness ...	1016.8	49	SSW	2	f	1014.2	o	44	−2	S	2	–	f	2	0.2	50	44	f	f.bef	f	*
	Dover	1016.2	49	S	1	b	1012.1	o	47	+1	S	2	–	m	2	0.1	55	41	drn.c.bc	bq	gb.bcf	8.7
	Wick	1013.6	38	ENE	2	r	1010.6	o	38	−6	NE	3	–	o	3	6	50	36	pdrn.drn	drnp.r	drnr	*
	Nairn	1011.4	45	E	3	cmqd	1009.8	*	37	−6	–	0	–	cd	1	4	51	37	dqm	fp.c	qfr.w	0.1
	Aberdeen ...	1012.7	43	SE	2	dqmp	1008.7	o	40	−2	NE	3	–	od	3	6	45	40	odqmp	drqdf3	dprnd	0.0
	Leith	1011.2	45	ENE	1	o	1007.0	−1	44	+3	NE	2	–	drn	*	3	48	40	drq.c.o	o	dr.o	*
	Tynemouth ...	1012.2	46	WNW	1	drn	1008.3	−3	48	+2	WSW	2	–	drn	2	2	48	45	brn	drn	drn	*
	Spurn Head ...	1013.0	44	WSW	4	bc	1010.8	−4	42	+6	W	3	–	dp	4	1	50	45	bc	bc	bdc	11.7
	Yarmouth ...	1016.0	47	SSE	3	c	1012.1	o	45	+4	W	2	–	c	1	–	46	40	f	fe	e	8.3
	Clacton-on-Sea	1016.0	48	ESE	2	bc	1013.5	o	41	+9	SSW	2	–	c	1	–	51	41	d.drn	drn.bc	bcre	3.4
	Nottingham ...	1013.0	44	WSW	2	c	1010.9	*	43	+7	SW	3	SW	o	*	1	50	46	b	bdrn	e.bc	10.6
	Bath	1015.4	44	W	3	b	1013.7	*	42	+8	SW	1	SW	o	*	–	50	44	m.b	b	b.bc.o	11.9
	London (Kew Obsy.)	1015.1	45	SW	2	bq	1013.6	o	45	+10	SW	3	–	o	*	–	50	44	drn.bq.b	b.bq	eq.b.o	8.3
ICELAND, FAEROE, &c.	Spitsbergen ...	1013.5	7	NW	4	b	1013.0	−1	12		N	2	*	o	*	*	14	0				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1005.7	27	NW	3	r	1005.9	o	28		NE	3	–	c	3	*	30	23				
	Bodö	999.4	34	ENE	2	bc	1005.1	+2	34		N	1	–	c	1	–	36	25				
	Christiansund	1007.5	36	W	5	c	1009.6	+1	37		NW	2	–	o	4	3	37	34				
	Skudesnaes ..	1011.0	39	NNW	5	o	1008.6	−1	43		NE	2	–	b	1	–	45	37				
	Færder (X'tiania Fjord)																					
	The Scaw (Skagen)	1009.3	45	WSW	5	bc	1008.3	o	41	−4	NNW	2	–	o	2	–	48	41				
	Blaavands Huk	1014.4	45	W	3	o	1008.4	−2	46	+5	WSW	2	–	m	2	2 trace	46	41				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (5 a.m. G.M.T.)	1003.0	43	S	3	s	1000.7	o	37		–	o	–	o	*	3	45	34				
FRANCE, &c.	The Helder ...	1016.4	43	SW	1	f	1012.0	o	52	+9	SW	3	–	bc	2	–	52	39				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1015.8	49	S	3	m	1015.0	o	49	+2	SSW	4	*	bc	2	trace	63	43				
	La Hève	1016.2	55	NNW	2	b	1014.7	*	52	+9	SW	2	*	m	1	–	70	43				
	Ushant							*					*									
	Brest (St. Mathieu)	1018.4	50	S	2	m	1015.8	o	49	+1	S	3	*	o	3	–	54	48				
	Rochefort (Ile d'Aix)	1017.7	50	WNW	3	m	1015.9	+1	55	+3	SSE	3	*	bc	*	–	68	50				
	Biarritz	1015.9	62	NE	2	b	1014.9	o	57	+5	SE	2	*	c	o	–	64	52				
	Paris	1016.4	68	–	o	bc	1016.6	+1	59	+5	SSE	1	–	b	*	–	75	48				
	Belfort							*					*		*							
	Lyons							*					*		*							
	Nice	1020.6	53	SW	1	o	1020.7	+1	55	−2	SW	1	*	b	2	–	66	46				
	Perpignan ..	1018.6	63	E	1	b	1019.5	+1	57	−2	W	1	–	o	*	–	70	52				
	Sanguinaire ...	1016.2	59	NW	3	m	1017.5	*	64	+6	E	2	*	b	2	–	70	54				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1015.4	63	NW	2	o	1015.0	+1	57	+2	S	1	–	b	1	1	64	54				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)	1013.1	72	SSW	3	b	1012.4	o	61	+2	–	0	–	b	5	–	75	61				
	Gibraltar	1016.2	61	E	6	c	1013.9	*	60		E	5	*	c	2	–	64	59				
	Rome														*							
	Azores (Horta, 8 a.m.)	1001.1	*	S	5	o							*									
	Madeira (Funchal)	1015.3	64	S	2	o	1014.0	o	63	+4	S	2	–	o	2	–	66	61				

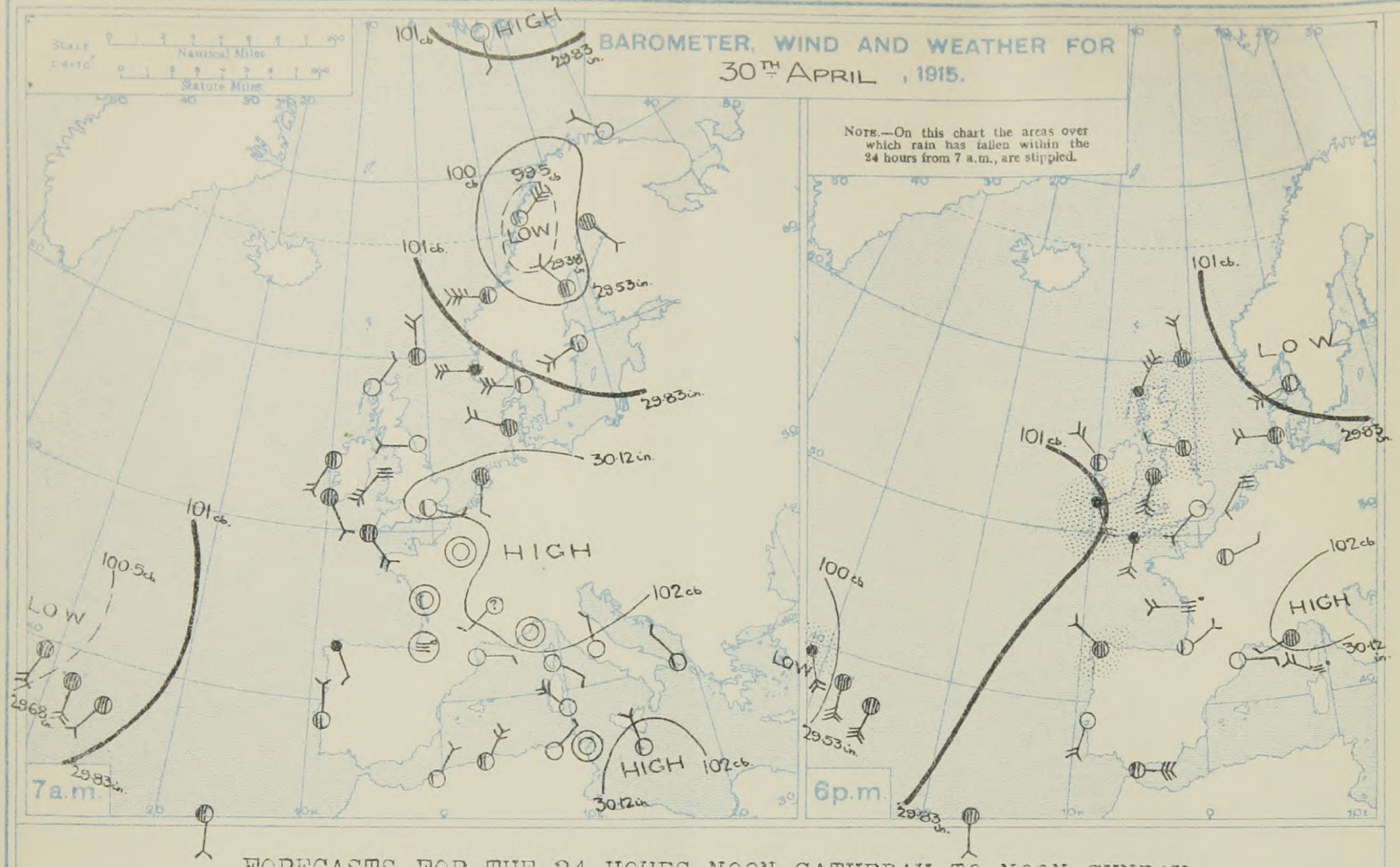
RAINFALL.

Equivalents of Millimetres in Inches.

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

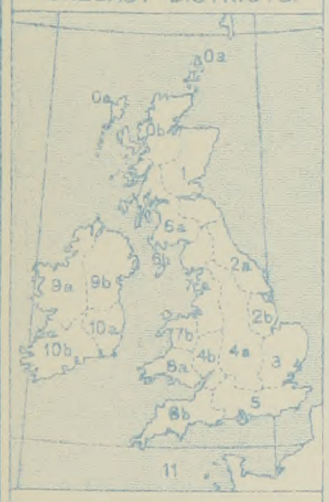
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

BAROMETER, WIND AND WEATHER FOR 30TH APRIL, 1915.



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

0 a, b; 1	Wind mainly between North-East and North, light or moderate; rainy or misty; cold.
2 a, b; 3; 4 a, b; 5	Wind mainly South-Westerly, light or moderate; much cloud, becoming rainy. A good deal of fog and mist locally on coast; moderate temperature.
6 a, b	Same as Nos. 0 and 1.
7 a, b; 8 a, b	Same as Nos. 2 to 5.
9 a, b	Wind light or moderate, between North-East and North-West; dull, rain occasionally; cold.
10 a, b	Wind variable or South-Westerly to Westerly, light or moderate; changeable, some rain; moderate temperature.
Western Channel and Bay 11	Southerly to Westerly winds, light or moderate; sea moderate or slight; some fog and rain.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

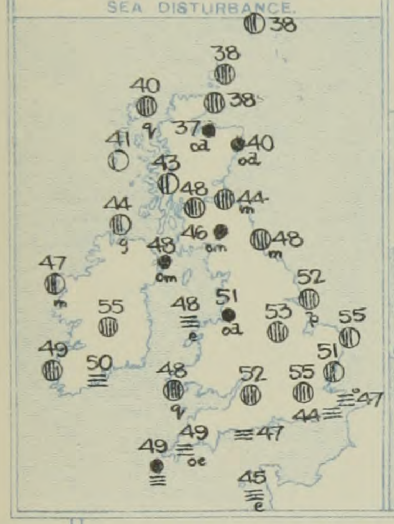
Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., SATURDAY, 1ST MAY, 1915.

GENERAL INFERENCE.

The shallow depression will probably move eastward very slowly, and there are some indications that another disturbance is approaching Scilly.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols:—
◯ clear sky. ◐ sky ½ clouded. ◔ sky ¼ clouded.
◍ sky ¾ clouded. ● overcast sky. ⦿ rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊼, thunderstorm.

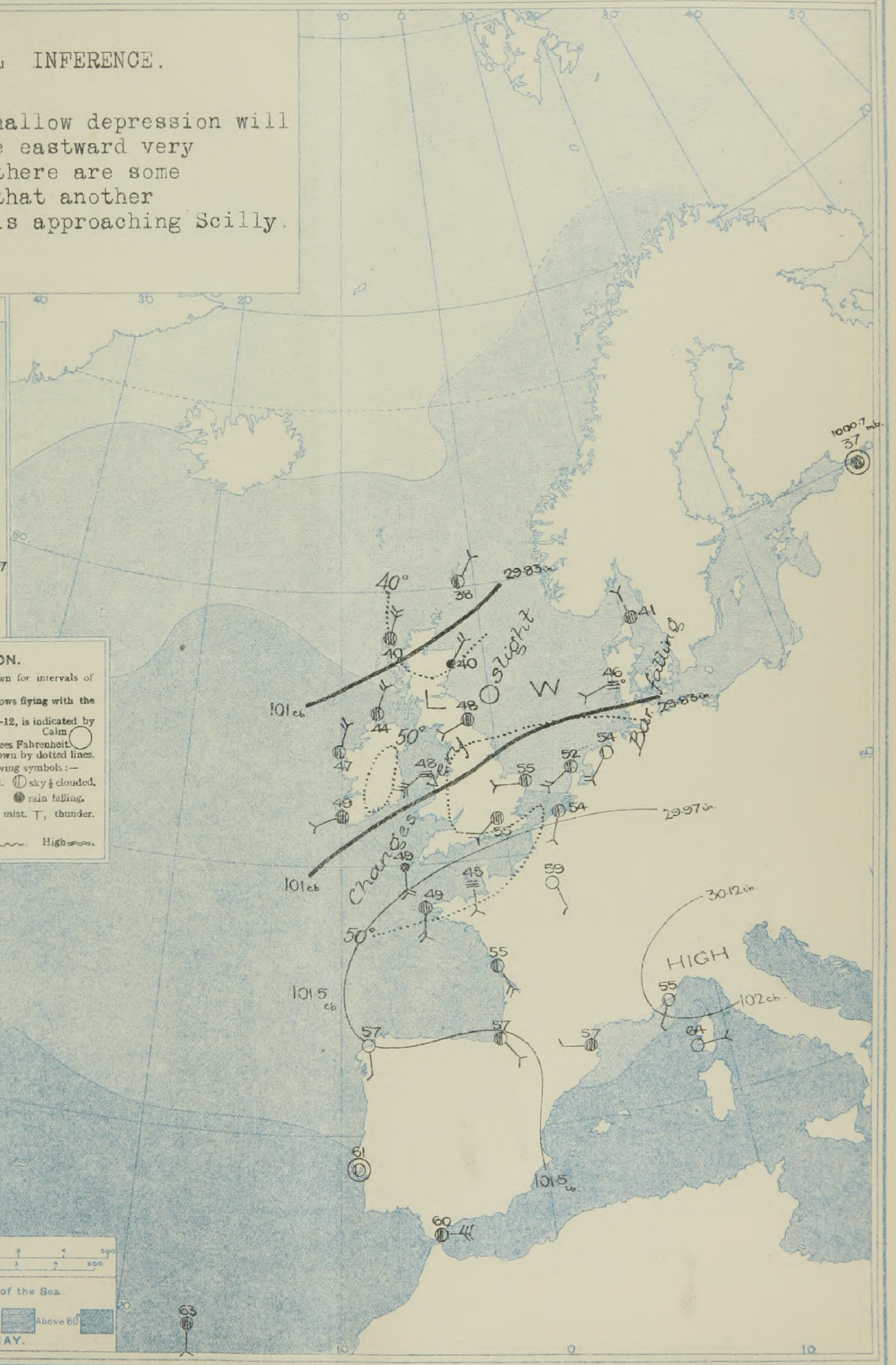
SEA DISTURBANCE.—Rough ∿∿. High ≈≈.

SCALE 1 : 2 x 10⁷
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 ½ 2 3 4 500

Normal Temperature of the Sea.

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.



DAILY WEATHER REPORT. Saturday, 1st May, 1915.

REPORTS FOR YESTERDAY.

30th April

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Spitsbergen	1009.9	1	N	4	6	1012.6	+2	3		S	1	–	10	*	*	44	-6
Vardö	1005.7	29	N	6	0	1004.6	0	28	-8	NW	2	–	c	2	*	36	27
Bodö	1002.9	32	SSW	2	c	999.0	0	34	0	ENE	6	–	bc	2	*	37	27
Christiansund	1006.6	45	SW	1	0	1003.7	0	36	-3	W	1	–	c	5	7	45	34
Shudenaes	1018.6	43	NE	2	0	1012.7	-2	45	0	W	5	–	*	2	*	46	43
Rorne	1019.8	56	N	1	0	1019.8	0	50	-2	N	1	–	*	2	19	68	46
Nice	1018.3	57	E	1	0	1020.3	+2	57		I	0	–	b	2	–	68	48

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	1	53	39	0	0	2.4
Scotland.	Banff	1	48	42	q.c	q.r	0.1
Scotland.	St. Andrews	–	44	40	*	*	0.0
Engl. N.E.	Harrogate	–	66	43	b	b.bc.c	9.3
Engl. N.E.	Scarborough	*					
Engl. N.E.	Skegness	–	66	40	b	b.bc	11.9
Engl. N.W.	Morecambe	–	53	43	0	0	1.2
Engl. N.W.	Blackpool	–	55	42	om	o.bc	1.9
Engl. N.W.	Southport	–	52	43	0	o.c	0.9
Midlands.	Buxton	–	66	39	b	b	8.1
Midlands.	Leamington Spa	–	69	39	b	b	12.4
Midlands.	Malvern	–	68	46	b	b	9.6
Midlands.	Ross-on-Wye	–	68	42	w.bq	b.bcq	11.4
Wales.	Rhyl	–	59	44	bc	bc.c	6.5
Wales.	Colwyn Bay	–	60	45	bc	bc	7.7
Wales.	Llandudno	–	59	40	b	b	8.7
Wales.	Aberystwyth	–	53	42	o.c.o	c.b.o	3.5
Wales.	Tenby	–	56	45	bc.o	bc.c.o	2.4
Wales.	Swansea						
England. E.	Cromer	0.3	71	37	c	b.bc.c	12.9
England. E.	Lowestoft						
England. E.	Felixstowe	0.3	47	40	bcm	bcm	3.0
England. E.	Walton-on-Naze	–	48	40	cm	bcm	3.8
England. E.	Southend-on-Sea	–	58	41	o.c.bc.b	b	8.8
England. S.E.	Tunbridge Wells	–	66	40	b	bc.b	10.7
England. S.E.	Margate	–	55	41	c	b	5.7
England. S.E.	Ramsgate	–	49	42	q	q	0.7
England. S.E.	Folkestone	–	53	42	m.bc	bcm	11.2
England. S.E.	Hastings	–	56	43	b.bc	b	9.9
England. S.E.	Bexhill-on-Sea	–	55	43	f.bc	b.bc.c	8.6
England. S.E.	Eastbourne	–	54	44	om	m.bm	11.9
England. S.E.	Seaford	–	61	43	b	f	9.6
England. S.E.	Brighton	–	51	46	bb.c	bc.cmq	7.3
England. S.E.	Worthing	–	57	45	bc	bc	6.0
England. S.E.	Littlehampton	–	63	43	b	bm	5.0
England. S.E.	Bognor	–	55	43	b.od	m.b	5.5
England. S.E.	Southsea	–	63	44	b	b	10.9
England. S.E.	Bournemouth	–	68	40	c.bc	b	11.0
England. S.W.	Weymouth	–	63	42	b	bf	9.4
England. S.W.	Torquay	–	62	42	b	b	11.3
England. S.W.	Paignton	–	66	38	b	b	11.5
England. S.W.	Falmouth	–	51	49	oq	oq	0.0
England. S.W.	Penzance	–	49	47	o	q.r	0.0
England. S.W.	Newquay	–	59	49	o.b	b.o	5.7
England. S.W.	Ilfracombe	–	55	47	o.c.bc.b	b.bc.c	6.2
England. S.W.	Weston-super-Mare	–	56	45	c.b	b.bcm	6.5

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	48	75	9.0	72	48	33	–	b	b	c
City (Bunhill Row)	*	*	7.5	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	49	77	7.9	71	50	42	–	b	b	b,bc
Camden Sq. (Brit. Rainfall)	50	77	8.5	73	51	45	–	bm.b	b	*
Hampstead (Reservoir)	*	76	7.1	70	48	33	–	bc	bc	o
Richmond Park	*	*								
Kew. (See front page.)										

(Greenwich and Camden Square air temperatures are in Glaisher screens.)

S. Kensington (Roof of M.O.)	44	73	7.8

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1426 Joules	24.0 Milliwatts.	61 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.								*
Manchester ,,				*				
Birmingham ,,	–	70	47	41	b	c.b	b	11.5
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.	–	57	43	40	b	b	b	10.9
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	–	72	43	37	bcm	bm	bq,bc,b	*

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

1st & 2nd May, 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.24	11.50	7.16
	4.22	11.50	7.18
Greenwich	4.34	11.57	7.20
	4.32	11.57	7.22
Wick	4.20	12.9	7.58
	4.18	12.9	8.0
Valencia	5.13	11.38	6.2
	5.11	12.38	8.4

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 70° over a considerable portion of England, but remained low in some parts of the south-east, south and south-west coasts owing to a persistent sea fog. Rain fell at many stations in the west and north. Bright sunshine varied greatly, but as a whole the records were high over 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; 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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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 122 (Sunday, 2nd May, 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars 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.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday.
			°F.					‡	F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1008·9	40	NE	3	c	1008·3	+1	35	-3	NNE	2	–	c	2	5	45	33	bc	bc	bc.c6p	-
	Deerness ...	1008·1	40	N	3	c	1010·1	*	40	+2	N	5	NW	bc	3	1	45	36	o.c	c	c.bc	2·9
	Stornoway ...	1010·3	42	NE	5	bcq	1013·8	+5	36	-4	NNE	4	–	oqp	4	2	46	35	o.bc.c	c.bcqph	bc.oqp	7·6
	Castlebay (Barra Isd.)	1010·5	45	NNW	3	c	1013·4	+2	40	-1	NNW	2	NW	bc	2	1	47	35	bc	c.bc	b.op.bc	12·6
	Glasgow ...	1007·2	44	ESE	1	c	1011·9	+4	38	-10	WNW	1	–	b	*	0·3	50	34	o	o.cq	9p.c.bc	0·0
	Eskdalemuir ...	1007·5	42	NE	3	o	1011·0	+4	39	-7	NNW	3	–	b	*	3	50	34	or.o.or	or.o	c.c.bc	0·0
	Malin Head ...	1010·2	44	NNE	4	bc	1013·0	+4	42	-2	NNW	3	NW	bcp	3	Trace	46	39	bcq	bc	bcp	6·4
	Blacksod Point	1010·5	45	NNE	4	bc	1013·5	+4	44	-3	NNE	2	NE	bc	2	–	51	38	bc	bc	bc	*
	Valencia ...	1007·4	57	NNE	1	bc	1011·9	+3	50	+1	SSW	1	SW	bc	2	–	58	48	o.r	bc	bc.c	7·1
	Roche's Point	1008·7	52	SW	2	r	1012·1	*	47	-3	E	2	E	bc	2	3	52	46	fe	fe.d	nr.o.bc	*
	Birr Castle ...	1008·7	52	N	1	o	1014·7	*	40	-15	N	1	N	c	*	5	55	35	9p	o	c	0·0
	Donaghadee ...	1008·6	45	NNE	4	cm	1012·1	+4	43	-5	NNE	4	N	bv	4	2	49	40	bc	cm	cm.bcm	*
	Liverpool (Bidston)	1007·9	52	W	3	r	1010·5	+3	43	-8	WNW	4	W	bc	3	9	56	40	o	or	or.c	0·6
	Holyhead ...	1008·4	47	N	3	om	1011·8	+3	44	-4	N	4	N	bc	3	6	50	42	fp.of	fr.om	or.o.c	0·0
	Pembroke (St. Ann's)	1009·2	48	SW	3	f	1011·3	+3	45	-3	NNE	4	N	bq	4	6	49	43	oq	omqp	fe	0·0
	Scilly (St. Mary's)	1010·0	50	SSW	4	fe	1010·3	+2	50	+1	WNW	3	–	fe	4	3	53	49	fe	fe	fe.om.f	0·1
	Falmouth ...	1011·3	50	SW	3	o	1009·8	+2	51	+2	WNW	3	–	o	3	2	55	49	fe.o	ofe	fed.o	0·7
	Jersey (St. Aubin)	1013·2	59	S	2	c	1012·4	*	48	+3	WSW	3	–	omd	1	Trace	64	44	f.b	bc	bf.omd	4·7
	Portland Bill ...	1012·4	48	SW	2	o	1010·0	+1	49	+2	SW	4	–	o	3	–	50	46	om.f	om.f	of	*
	Dungeness ...	1012·0	49	WSW	2	c	1009·0	-1	49	+5	W	4	–	o	3	–	52	43	f.bc	bc	bc.cf.o	*
	Dover	1011·6	54	SW	4	bc	1009·8	+1	51	+4	WSW	4	W	o	2	–	57	46	bcm.bc	bc.b.bc	bc.c.o	7·3
	Wick	1009·0	40	NW	3	c	1010·4	+2	39	+1	NNW	4	–	bc	3	2	42	33	om	om.cph	cph.bc	*
	Nairn	1008·6	43	–	0	bc	1011·5	*	38	+1	NNE	1	–	cq	2	0·2	45	34	d.bc	bc	bc.c	3·3
	Aberdeen ...	1007·8	41	N	3	c	1010·0	+3	38	-2	WNW	4	–	b	2	2	41	32	omd	o.c	bc.rsp	0·0
	Leith	1007·9	42	E	2	o	1011·2	+3	41	-3	NNW	2	–	b	*	2	45	37	r	r.o	or.o	*
	Tynemouth ...	1006·1	44	NE	3	omd	1009·2	+3	41	-7	NW	2	NW	bc	3	4	51	37	omr	omr	om	*
	Spurn Head ...	1007·9	51	WNW	4	o	1010·6	+2	44	-8	N	5	–	c	4	17	59	41	op	oq	or	0·7
	Yarmouth ...	1008·9	63	WSW	2	bc	1008·7	+4	45	-10	N	2	–	or	1	1	67	45	c.o	o.bcp	c.or	1·3
	Clacton-on-Sea	1010·3	58	SSW	3	c	1009·0	+1	50	-1	WSW	2	–	ogd	1	0·2	59	48	c.bc.c	c.bc.c	c.ogd	3·6
	Nottingham ...	1008·0	55	WSW	3	r	1009·6	*	44	-9	W	1	W	c	*	12	60	43	omp	o.cmp	r	0·1
	Bath	1010·8	56	SW	1	bc	1010·8	*	46	-6	ENE	2	NE	r	*	2	62	46	sp.r	o.c.bc	bc.c.or	2·8
	London (Kew Obsy.)	1010·8	61	SW	3	c	1009·9	+4	47	-8	NNE	4	–	omr	*	Trace	65	46	o c	e.o c	c.bc.om	1·9
ICELAND, FAEROE, &c.	Spitsbergen ...	1007·9	5	S	2	bc	1009·1	+4	10	+5	–	0	*	b	*	*	14	0				
	Isafjord												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*				*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1006·9	28	NNE	5	c	1006·9	o	30	+2	N	1	–	b	2	*	30	21				
	Bodö	1009·8	34	NNE	2	bc	1008·7	o	32	-2	E	2	NW	c	2	–	34	25				
	Christiansund	1009·0	39	S	2	c	1006·6	+2	36	-1	–	0	*	b	3	–	39	36				
	Skudesnaes ..	1014·7	41	N	3	o	1000·4	-1	43	0	–	0	*	b	1	–	43	37				
	Færder (X'tania Fjord)	1005·1	43	SW	2	o	1001·1	-1	36	-5	NE	6	–	r	2	Trace	46	36				
	The Scaw (Skagen)	1005·9	41	–	0	o	999·0	-3	41	0	ENE	1	–	o	1	3	45	39				
	Blaavands Huk	1007·0	46	SW	1	f	1000·8	-2	45	-1	WNW	2	–	r	3	3	48	43				
	Haparanda ...	1014·4	34	N	2	o	1008·0	+1	30	-2	NW	2	–	bc	*	–	41	27				
	Hernösand ...	1006·3	34	S	2	bc	1007·7	o	34	-3	N	2	NE	bc	*	2	43	27				
	Stockholm ...	1005·2	45	W	2	o	1003·3	o	41	0	E	2	–	o	*	–	50	36				
	Wisby	1006·7	43	SW	2	f	1000·0	-5	46	+5	SW	2	–	m	*	5	46	41				
	Karlstad	1005·6	45	SSW	2	bc	1002·0	-1	41	0	NE	4	–	o	*	–	50	36				
	Petrograd (8 a.m. G.M.T.)	1004·8	39	W	2	c	1007·7	+2	36	-1	NNW	2	–	b	*	–	46	36				
FRANCE, &c.	The Helder ...	1009·5	52	SSW	3	c	1005·7	o	50	-2	WSW	5	–	r	4	2	55	50				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1011·7	53	SSW	4	bc	1009·3	+1	47	-2	SW	5	*	f	3	*	63	46				
	La Hève	1013·0	59	NW	1	c	1010·1	*	49	-3	W	1	*	f	2	-	70	46				
	Ushant	1012·4	52	SW	5	c	1011·9	*	50		SW	4	*	m	3	–	54	46				
	Brest (St. Mathieu)	1014·3	52	S	3	m	1012·4	o	50	+1	WNW	1	*	m	5	–	57	48				
	Rochefort (Ile d'Aix)												*		*							
	Biarritz	1013·3	64	NE	2	c	1011·5	o	64	+7	SE	2	*	b	o	2	75	57				
	Paris	1013·2	70	SW	2	bc	1012·0	+1	57	-2	SSW	2	–	o	*	Trace	77	50				
	Belfort							*					*		*							
	Lyons	1016·2	67	SSE	2	b	1017·8	*	55		S	3	*	b	*	–	73	47				
	Nice	1020·2	55	–	0	b	1020·2	o	55	o	–	0	*	b	2	–	68	46				
	Perpignan ..	1017·5	59	E	1	b	1016·7	+1	57	o	NE	1	SW	c	*	–	64	48				
	Sanguinaire ...							*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1013·2	57	NNW	4	b	1008·4	o	63	+6	–	o	–	c	1	–	63	54				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)	1010·3	70	W	4	bc	1010·6	o	59	-2	SSE	4	–	o	5	–	73	59				
	Gibraltar							*					*									
	Rome	1021·1	55	–	0	b	1021·1	+1	50	-2	N	1	–	b	*	15	64	46				
	Azores (Horta, 8 a.m.)	995·3	*	SW	5	bc	1001·0	+2	60	+7	WNW	4	*	bc	3	5	63	53				
	Madeira (Funchal)	1013·2	66	S	2	o	1012·6	+1	63	o	SSW	3	w	r	3	6	68	61				

RAINFALL.

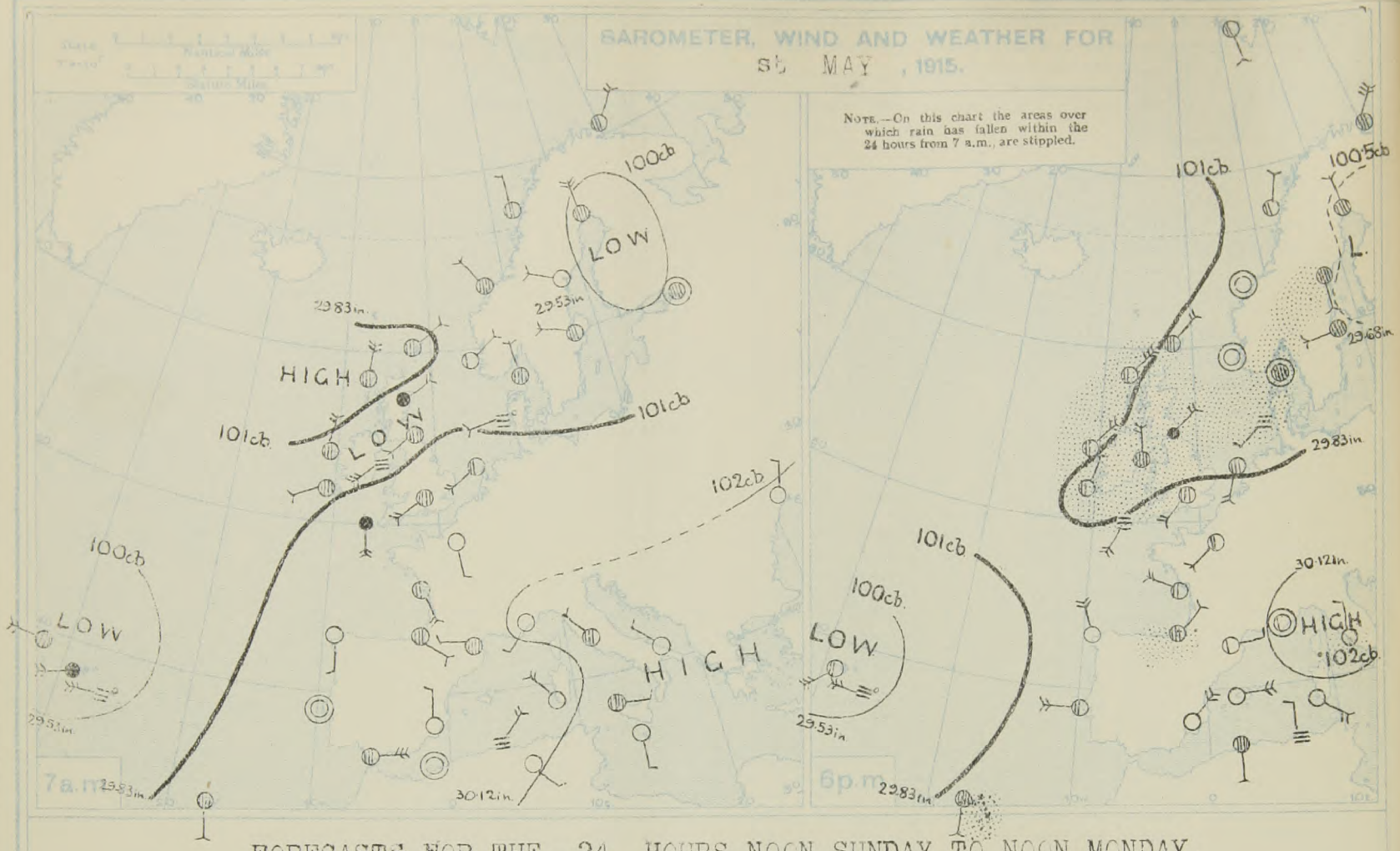
Equivalents of Millimetres in Inches.

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

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

BAROMETER, WIND AND WEATHER FOR
5th MAY, 1915.

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



FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.

FORECAST DISTRICTS.

STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay

0 1 Northerly winds, light or moderate; fair or bright, cold.

2a 2b

3 4a 4b Wind mainly Northerly, light or moderate, some rain or passing showers, then finer; temperature rather low.

5 Wind veering to North-West or North, light or moderate; becoming finer; temperature rather low.

6a 6b Same as Nos. 0 - 2.

7a 8b Wind mainly Northerly, light or moderate; fair or bright, temperature rather low.

9a 10a Northerly to variable winds, light; fair or bright generally; rather low temperature.

9b 10b North-Westerly or Northerly winds, light or moderate; sea moderate or slight; fair.

FURTHER OUTLOOK.

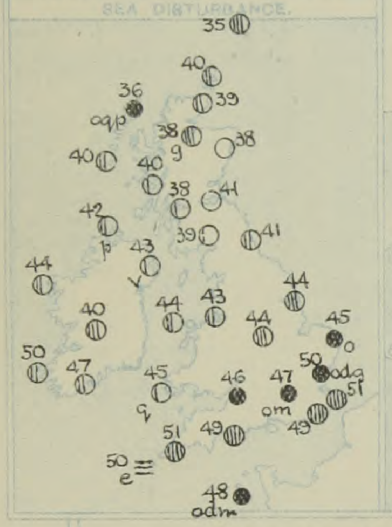
R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., SUNDAY. 2nd MAY, 1915.

GENERAL INFERENCE.

As the shal ow depression travels away the wind will shift to the North-Westward and Northward over the south and south-east of England, with fine weather.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊼, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈≈.

Barometer steady

Barometer falling slightly

Barometer rising slightly

LOW

HIGH

101cb

100·5cb

100cb

102cb

101·5cb

29·53in.

29·68in.

29·83in.

29·97in.

30·12in.

32°

40°

50°

60°

Scale of Tints for MAY.

Normal Temperature of the Sea.

Below 40° 40°-50° 50°-60° Above 60°

DAILY WEATHER REPORT. Sunday, 2nd May, 1915.

REPORTS FOR YESTERDAY.

1st. May.

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Faerder	1006.0	48	NE	1	bc	1007.7	0	41	−4	NNE	2	W	b	1	–	48	41
Haparanda	998.4	30	E	4	3	999.3	+3	32	+2	N	4	–	0	M	–	?	?
Herrösand	997.3	41	S	6	6	1003.5	+3	37	−4	WNW	2	–	b	*	–	50	32
Stockholm	1005.7	54	W	4	c	1005.6	+3	41	−4	WNW	2	–	c	*	–	57	36
Wisby	1005.2	45	WSW	4	b	1007.9	?	41	−2	SW	3	–	0	*	?	?	?
Karlstad	1003.7	52	WNW	6	8	1007.8	?	41	−2	SW	3	NE	0	*	?	?	?
Rome	1020.6	59	SW	1	b	1021.0	0	52	+2	–	0	–	c	*	–	68	52
Horta	–	–	–	–	–	1007.1	0	53	−7	WSW	4	–	r	2	17	63	52

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	51	41	bc	bc	8.5
Scotland.	Banff	11	42	37	rg.s	c.o.bc	1.1
Scotland.	St. Andrews				*	*	
Scotland.	Carnoustie	2	44	38	p	c	0.0
Eng. N.E.	Harrogate	.5	53	44	or	op	0.0
Eng. N.E.	Scarborough	*					
Eng. N.E.	Skegness	1	62	48	or	o	1.9
Eng. N.W.	Morecambe	11	53	43	or	r	0.0
Eng. N.W.	Blackpool	16	57	45	or	or	0.0
Eng. N.W.	Southport	11	53	43	or	r	0.0
Midlands.	Buxton	4	59	45	r.c.b	bc.r	0.2
Midlands.	Leamington Spa	1	60	50	of.p	o.c	0.3
Midlands.	Malvern	6	57	50	or	c	0.0
Midlands.	Ross-on-Wye	0.3	59	49	op	om.c	0.2
Wales.	Rhyl	7	58	48	or.bc	b.r	0.8
Wales.	Colwyn Bay						
Wales.	Llandudno						
Wales.	Aberystwyth	7	53	47	r.o.c	or	0.0
Wales.	Tenby	9	53	48	bc.om	o	0.0
Wales.	Swansea						
England, E.	Cromer	2	65	50	cp	cp	2.0
England, E.	Lowestoft						
England, E.	Felixstowe	–	65	42	bcm	bc	3.2
England, E.	Walton-on-Naze	–	60	42	cm.bc	bc.c	4.2
England, E.	Southend-on-Sea	–	63	47	c.o.bc	bc	3.5
England, S.E.	Tunbridge Wells	–	63	44	o.c.bc	bc.b.bc	4.6
England, S.E.	Margate	–	66	44	b	b	5.6
England, S.E.	Ramsgate	–	61	44	bc	bc	6.4
England, S.E.	Folkestone	–	53	42	m.bc	b	4.6
England, S.E.	Hastings	–	54	43	f.bc	bc	3.5
England, S.E.	Bexhill-on-Sea	–	52	44	f.bc	c	6.0
England, S.E.	Eastbourne	–	57	43	b.o.bc	bc.o	7.2
England, S.E.	Seaford	–	50	42	f	f	0.0
England, S.E.	Brighton	–	50	43	om.o	om	0.0
England, S.E.	Worthing	–	52	45	bc	c	2.4
England, S.E.	Littlehampton	–	51	42	bc	bc.b	1.0
England, S.E.	Bognor	–	51	42	o.bc	bc	0.6
England, S.E.	Southsea						
England, S.E.	Bournemouth	–	57	44	o	o	0.3
England, S.E.	Weymouth	–	55	48	o	c.o	0.3
England, S.E.	Torquay	–	55	48	o	c.o	0.3
England, S.E.	Paignton	–	57	47	o	c.o	1.1
England, S.W.	Falmouth	1	55	47	fe.o	ofe	0.0
England, S.W.	Penzance	4	53	47	or	om.f	0.0
England, S.W.	Newquay	3	58	48	r.om.bm	bm.ogm	4.6
England, S.W.	Ilfracombe	2	61	49	o.c.bc	bc.c.o	4.2
England, S.W.	Weston-super-Mare						

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	55	90	3.6	58	46	40	1	c.bc	bc	c.or
City (Bunhill Row)	*	*	1.5	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	58	87	1.7	66	47	44	1	bc.o	o	bc.or
Camden Sq. (Brit. Rainfall)	54	89	2.0	69	47	44	1	o.c	c.bc	*
Hampstead (Reservoir)	*	88	2.5	64	43	38	1	c	od	o
Richmond Park	*	*								
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	54	85	3.3							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total. Joules	Average Rate. Milliwatts.	Max. Rate. Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain fall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	7	57	48	47	or.c	c.or	gd	*
Darwen to 9 p.m.	8	58	44	43	ow.r	or.b	or	0.1
Manchester ,,	5	58	47	*	od	c.od	od	0.0
Birmingham ,,	2	57	49	39	o	o	or	0.2
Oxford to 9 p.m.	*	65	51	43	b.bc.o	o.c	c.bc.c	*
Teignmouth to 9pm.	–	61	43	47	b.c	bc	bc.c	1.3
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	–	65	52	52	b.bc.c	c.o	o.c.o	*

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

2nd-3rd May, 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.22 / 4.20	11.50 / 11.50	7.18 / 7.19
Greenwich	4.32 / 4.31	11.57 / 11.57	7.22 / 7.23
Wick	4.18 / 4.16	12.9 / 12.9	8.0 / 8.2
Valencia	5.11 / 5.10	12.38 / 12.38	8.4 / 8.6

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 60° or above in many parts of south and southeast England, but remained below 45° at some Scottish stations. Rain fell very generally – as much as 17mm. at Spurn Head. Bright sunshine was considerable on our south-east coasts and also in the extreme weatern districts.

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

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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 123.

Monday
3rd May 1915.

DATE.	STATIONS	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 8 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea (0-9).	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1016·5	40	N	4	c	1021·1	+2	42	+7	NW	3	-	0	2	3	43	34	c.shp	csp	bc. 0	*
	Deerness ...	1017·6	41	N	5	bc	1023·7	*	41	+1	SW	3	NW	bc	3	Trace	44	35	bcph	bcph	bc.b.bc	10·4
	Stornoway ...	1020·3	42	NE	4	c	1022·9	+1	39	+3	NE	1	-	bc	1	0·2	45	31	bc	bc.c	bc	6·2
	Castlebay (Barra Isd.)	1019·1	45	N	3	bc	1021·8	0	45	+5	S	3	S	bc	3	1	46	37	bcp.bc	bc.b	bc	10·8
	Glasgow ...	1017·3	49	E	1	bc	1024·9	+3	38	0	NE	2	SW	o	*	-	54	34	b.bc	bc.e	c.bc.c.o	11·3
	Eskdalemuir ...	1017·6	43	ENE	3	cq									*				bc.cq	cq		
	Malin Head ...	1019·2	45	ENE	2	b	1021·1	+1	41	+1	SSE	2	-	b	2	-	48	37	bcv	bc	b	12·7
	Blacksod Point	1017·2	46	NNE	3	bc	1017·9	0	43	-1	SE	4	SE	bcv	3	-	49	40	bc	bc	bc.bc	*
	Valencia ...	1015·2	52	NW	1	o	1018·0	0	48	-2	ENE	4	SE	r	3	Trace	55	46	c.o	o.o3	o.c.o	? 2·1
	Roche's Point	1017·1	48	SE	4	b	1017·9	*	49	+2	E	4	-	o	4	-	52	42	bc	bc.b	b.om	*
	Birr Castle ...	1016·6	54	E	1	bc	1018·8	*	42	+2	NE	2	-	o	*	-	55	34	c	bc	c.o	11·8
	Donaghadee ...	1017·8	46	NNE	3	b	1021·4	+1	45	+2	SE	4	-	b3	3	-	48	40		bv	bm.bcq	*
	Liverpool (Bidston)	1017·4	47	NW	2	b	1023·5	+2	42	-1	ESE	4	-	b	3	-	50	40	b	b	b	13·2
	Holyhead ...	1018·1	49	NE	4	bv	1020·8	+2	45	+1	NE	2	-	03	1	-	51	41	bc bq	b.bc.b	b.bc.c.o	13·5
	Pembroke (St. Ann's)	1015·6	48	NNE	4	b	1018·5	+1	47	+2	SE	5	SE	cq	4	-	53	44	bq	b	bq	13·0
	Scilly (St. Mary's)	1013·3	50	NE	4	c	1013·9	-1	48	-2	ESE	6	E	m	5	0·1	53	47	bm.cm	bc	bc.omf	8·9
	Falmouth ...	1018·4	56	NNW	2	c	1016·3	+1	48	-3	ENE	3	-	c	4	-	61	47	o.bc.b	b.bc.o	c.b.o.c	7·5
	Jersey (St. Aubin)	1014·1	55	NNE	3	o	1015·7	*	50	+2	E	5	-	o	4	Trace	57	48	cmd.oc	o.c.o	bc.o.c.o	1·3
	Portland Bill ...	1013·7	50	E	1	b	1018·3	+2	46	+3	E	6	E	b	4	-	53	45	om.f	b.bc	bc	*
	Dungeness ...	1015·5	48	E	3	c	1021·3	+2	46	-3	NE	4	NE	bc	4	2	52	44	o.c.od.r	od.c	bc	*
	Dover	1016·9	45	NNE	4	b	1022·7	+1	48	-3	NE	5	E	b	4	1	53	40	op.r.c	c.bc.b	z.bc.b	1·0
	Wick	1018·2	45	N	3	bc	1024·2	+3	38	-1	SW	1	-	bc	2	-	44	29	bcps	bcq.ph	bcmx	*
	Nairn	1019·6	43	NNE	3	bc	1023·5	*	35	-3	-	0	-	bc	2	0·2	48	27	ph.bc	qph	cqx	6·0
	Aberdeen ...	1018·2	45	NW	5	b	1025·5	+3	39	+1	W	1	W	b	2	0·4	47	31	bc.chp	bcq	b	11·7
	Leith	1016·7	47	ENE	2	bc	1023·9	+3	42	+1	ESE	2	-	bc	*	*	50	38	b.bc	bc	bc.c	*
	Tynemouth ...	1017·6	44	ENE	2	b	1025·5	+3	44	+3	WNW	1	-	b	2	-	47	35	bc	bc	bc	*
	Spurn Head ...	1018·7	46	ENE	5	bc	1025·2	+4	45	+1	E	3	-	bcv	4	-	50	36	bcqr	bcv	bcv	8·1
	Yarmouth ...	1017·7	47	NNE	3	bcv	1025·5	+2	46	+1	ENE	3	E	bc	2	1	51	42	or.c	c.bcv	bc	6·0
	Clacton-on-Sea	1016·8	47	ENE	3	o	1023·6	+4	46	+4	ENE	3	E	bc	2	0·2	51	41	ogp.bc	bc.c.o	o.c.bc	1·5
	Nottingham ...	1017·7	46	ESE	3	b	1024·4	*	42	-2	E	2	-	bmx	*	-	53	31	c.o	c.b	b	4·8
	Bath	1016·2	60	ENE	1	b	1021·3	*	44	-2	E	4	W	bc	*	-	61	41	rso c.bc	b.bc	b.bc.c.o	8·1
	London (Kew Obsy.)	1015·6	56	E	2	cu	1023·0	+2	48	-2	ENE	5	E	cq	*	0·4	60	40	omr.c.bc	bc.b.cu	cu.bc.b.bq	5·2
ICELAND, FAEROE, &c.	Spitsbergen ...	1010·4	9	NNE	2	o	1009·6	-1	10	0	-	0	*	b-	*	*	14	7				
	Isafjord ...														*	*	*	*				
	Reykjavik ...														*	*	*	*				
	Vestmanna ...														*	*	*	*				
	Seydisfjord ...														*	*	*	*				
	Thorshavn ...														*	*	*	*				
NORTHERN EUROPE.	Vardö	1005·7	28	NNW	6	c	1008·4	0	30	0	W	5	-	b	2	*	32	19				
	Bodö	1003·4	34	-	0	b	1013·1	+2	28	-4	E	2	-	b	2	-	36	25				
	Christiansund	1009·0	39	N	2	b	1017·2	+3	37	+1	NNW	2	-	c	4	Trace	41	34				
	Skudesnaes ..	1008·4	41	NW	6	b	1020·6	+5	41	-2	NNW	5	-	b	2	-	46	36				
	Færder (Xtania Fjord)	1002·3	41	NE	5	o	1017·2	+7	41	+5	NNW	4	-	b	2	6	41	34				
	The Scaw (Skagen)	999·0	39	N	5	r	1017·7	+8	43	+2	NE	1	-	bc	2	9	45	36				
	Blaavands Huk	?1006·7	43	NW	7	bc	1021·1	+5	45	0	NW	4	-	bc	4	1	45	39				
	Haparanda ...	1009·0	34	NNE	2	b	1010·0	0	32	+2	NNE	4	-	b	*	-	41	24				
	Hernösand ...	1007·1	32	N	2	b	1011·8	+3	36	+2	N	4	-	b	*	-	37	27				
	Stockholm ...	997·0	32	NE	6	s	1009·0	+12	32	-9	NNW	6	-	o	*	17	41	28				
	Wisby	991·8	46	SW	2	o	1009·2	+15	34	-12	NNW	8	-	o	*	7	48	34				
	Karlstad	1000·0	36	NNE	6	r	1015·4	+8	37	-4	NW	4	-	b	*	3	41	32				
	Petrograd (5 a.m. G.M.T.)	1004·7	32	ENE	4	s	990·7	-6	34	-2	NE	2	-	r	*	15	45	32				
FRANCE, &c.	The Helder ...	1016·0	46	NNW	4	bc	1025·0	+4	45	-5	NNW	1	-	bc	2	Trace	46	43				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1015·3	47	ENE	6	bc	1021·5	+2	43	-4	ENE	5	*	bc	3	2	48	39				
	La Hève	1010·7	48	NNE	4	bc	1017·5	*	45	-4	E	3	*	b	2	-	59	41				
	Ushant							*					*									
	Brest (St. Mathieu)	1013·9	57	N	2	b	1012·8	0	52	+2	ENE	3	*	o	3	-	63	48				
	Rochefort (Ile d'Aix)												*		*							
	Biarritz	1009·6	72	ENE	2	bc	1011·7	0	68	+4	S	3	*	c	0	-	81	64				
	Paris	1012·4	66	NNE	3	c	1018·0	+2	50	-7	NE	3	-	o	*	-	75	48				
	Belfort							*					*		*							
	Lyons							*					*		*							
	Nice	1019·7	54	-	0	bc	1020·3	+2	55	0	-	0	*	b	2	-	68	48				
	Perpignan ..	1015·5	59	SE	2	b	1016·3	+2	55	-1	-	0	-	f	*	-	66	48				
	Sanguinaire ...	1014·6	66	N	3	m	1015·9	*	61		E	1	*	b	2	-	75	54				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1010·1	63	NNE	3	r	1009·6	0	63	0	SSW	4	-	b	1	2	75	57				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)	1011·7	61	SE	4	o	1013·1	+1	61	+2	SSE	4	-	o	5	8	64	59				
	Gibraltar	1016·9	61	W	2	b	1017·3	*	57		-	0	*	b	2	3	69	56				
	Rome														*							
	Azores (Horta, 8 a.m.)		*										*									
	Madeira (Funchal)	1013·7	66	SSW	3	o	1017·5	+2	68	0	SSW	3	NW	o	3	2	68	61				

RAINFALL.

Equivalents of Millimetres in Inches.

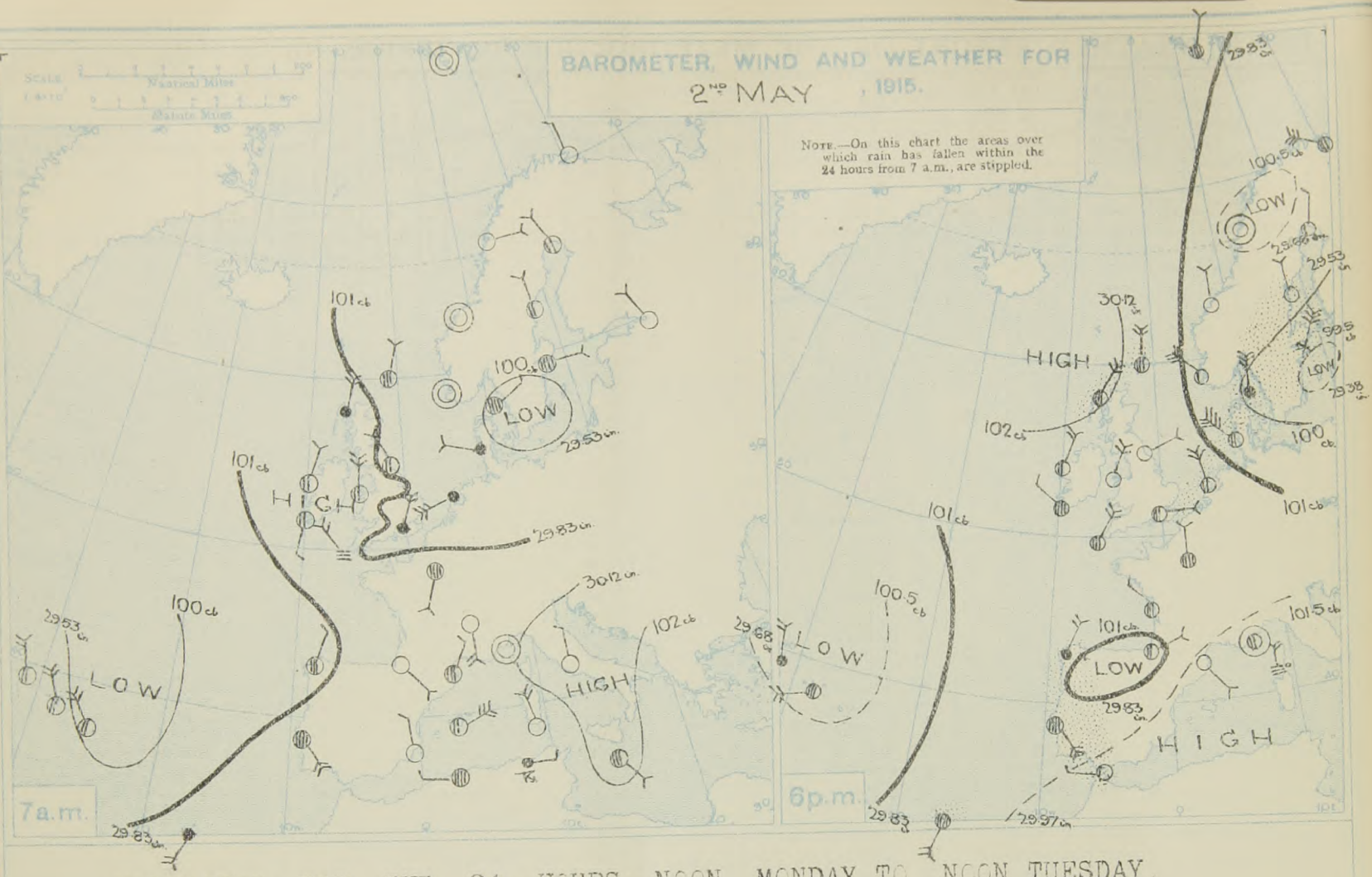
mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69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

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

BAROMETER, WIND AND WEATHER FOR 2ND MAY, 1915.

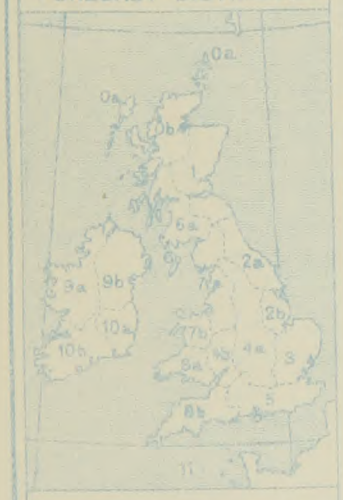
Scale for Nautical Miles and Statute Miles

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



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.



0 {a, b} 1 — Light variable breezes; fair to fine; cool.

2 {a, b} 3 — Light to moderate Easterly breezes; fair to fine; cool.

4 {a, b} 5 — North-Easterly to Easterly breezes, fresh and gusty at times; fair to fine; cool.

6 {a, b} — Same as Nos. 0 and 1.

7 {a, b} — Light to moderate South-Easterly breezes; fair to fine; cool.

8 {a, b} — Easterly and South-Easterly breezes, fresh or strong at times on coast; fair to fine; cool.

9 {a, b} — Same as No. 7.

10 {a, b} — Moderate or fresh Easterly breezes; fair to dull, some rain locally; cool.

STORM WARNINGS.

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

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

No Warnings issued.

Western Channel and Bay 11

FURTHER OUTLOOK.

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

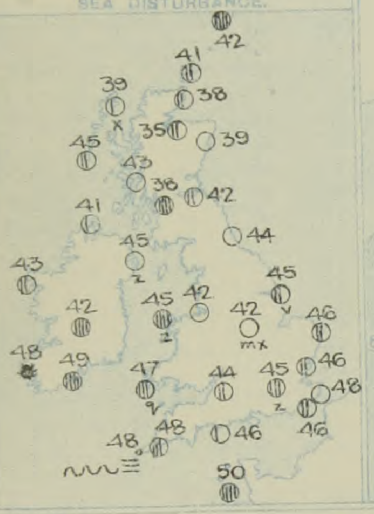
W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., MONDAY, 3RD MAY, 1915.

GENERAL INFERENCE.

No important change is indicated.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

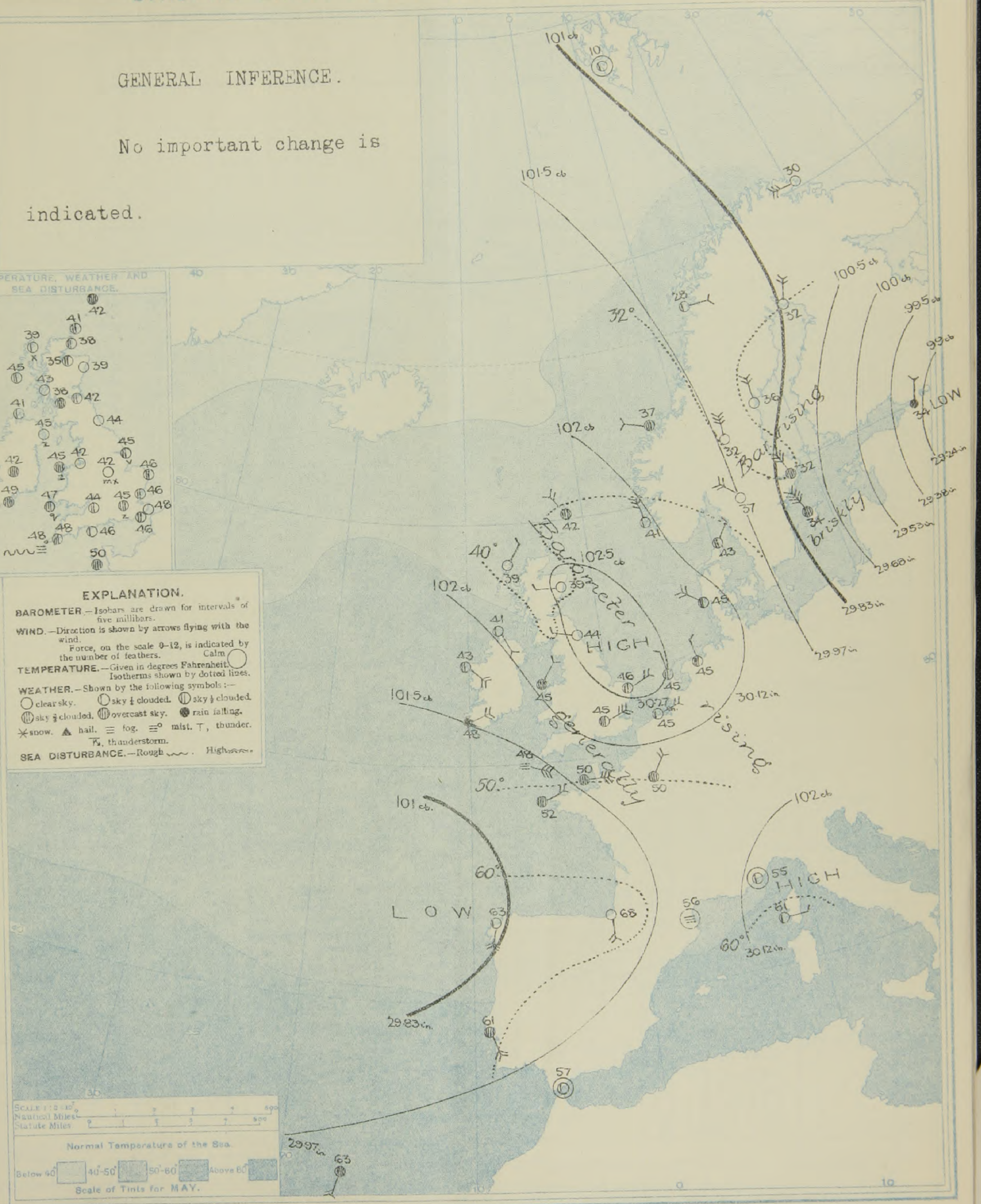
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

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

WEATHER.—Shown by the following symbols:—
◯ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ⊛ rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. T, thunder.
$\overline{K}$, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈≈≈.



DAILY WEATHER REPORT. Monday, 3rd May, 1915.

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

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.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
		Benson 27th 14h 43m		Benson 28th 12h 18m		Eskdalemuir 28th 13h.		Eskdalemuir 29th 7h.		S. Farnborough 29th 8h. 45m		S. Farnborough 30th 8h. 45m		Benson 30th 13h. 55m							
Heights in Kilometres.	4					-4	+3	-1	+2	-4	+3	+3	+5								
	3					-9	+1	-3	+2	-4	+2	+5	+2	+5	+7						
	2					-6	0	0	+1	-3	+2	+5	+4	+4	+6						
	1·5			-10	+2																
	1			-18	-2	-5	0	-4	+3	-10	+2	-1	+3	+3	+5						
	0·5	-7	-8	-4	-1	-4	-2	-2	-1	-10	0	-1	+1	+1	+2						
	0	-7	-7	-6	-5	-4	0	-1	0	-3	-2	0	0	0	+2						

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	51	34	b	b	9·0
	Banff	2	45	35	b.bc	bc	10·1
	St. Andrews				*	*	
	Cornoustie	1	49	33	p	p	7·4
Eng. N.E.	Harrogate	1	51	39	c bc.b	b.bc.b	8·1
	Scarborough	*					
	Skegness	10	48	43	o.c.bc	b	7·4
Eng. N.W.	Morecambe						
	Blackpool	–	50	43	bc.b	b	11·6
	Southport	2	50	43	bc.b	b	12·7
Midlands.	Buxton	20	50	38	bc	bc	8·5
	Leamington Spa	5	58	43	bc	bc	9·1
	Malvern	14	55	41	b.bc	bc.b	10·5
	Ross-on-Wye	5	59	42	b	bc.b	10·1
Wales.	Rhyl	8	49	42	b	b	11·5
	Colwyn Bay	7	50	39	bc	b	12·0
	Llandudno	6	51	40	–	–	11·0
	Aberystwyth	23	54	44	r.c b	b.bc	12·7
	Tenby						
	Swansea						
England. E.	Cromer	4	55	43	c.bc	bc b	7·0
	Lowestoft	1	48	44	o.c	c.bc	5·1
	Felixstowe	0·3	52	47	c	c	0·7
	Walton-on-Naze	1	53	45	o.c	c.bc.c	2·1
	Southend-on-Sea	–	55	46	d.o.c	bc.b bc	3·0

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	0·3	54	46	opm.c	c.bc	1·5
	Margate	–	51	47	c	b	3·0
	Ramsgate	–	53	46	r.c	bc	3·5
	Folkestone	0·3	50	45	d.o	bc	0·9
	Hastings	1	52	46	od	o.bc	0·0
	Bexhill-on-Sea	1	52	47	c.o r	r.o.c	0·7
	Eastbourne	1	52	46	o	o.bc	0·0
	Seaford						
	Brighton	0·3	56	46	o.r.o	o.c	1·5
	Worthing	–	55	47	o	o.bcb	1·0
	Littlehampton	0·3	56	*	c.r	c.bc.b	1·2
	Bognor	1	55	47	od	o.bc	0·7
	Southsea						
	Bournemouth	0·3	57	47	o.c	c.bc	3·0
England, S.W.	Weymouth	1	58	48	o.c	bc b3	3·5
	Torquay	–	62	50	o.c.bc	b	7·1
	Paignton	*					
	Falmouth	1	62	49	o.bc.b	b bc.o	7·5
	Penzance						
	Newquay	1	52	48	ov. bv	bv	7·0
	Ilfracombe	5	57	48	o.c.bc.b	b	9·0
	Weston-super-Mare	–	60	45	b	b	10·0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
	24 Hours ended 9 a.m. To-Day.									
Greenwich (Royal Obsy.)	53	62	5·0	60	37	26	–	c	c	c. b
City (Bunhill Row)	*	*	2·6	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	58	66	2·9	60	41	37	–	bc. o	bc. bc	bc
Camden Sq. (Brit. Rainfall)	–	66	2·9	64	38	34	–	–	–	*
Hampstead (Reservoir)	*	60	4·3	58	36	28	–	o.bc	bcc	bc
Richmond Park	*	*	5·0							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	–	59	3·3							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1088 Joules	204 Milliwatts.	70 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain-fall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	1	52	38	34	o.c.b	bc	b	*
Darwen to 9 p.m.								
Manchester ,,				*				
Birmingham ,,					*			
Oxford to 9 p.m.	*	60	45	44	c.or	o.cb	b	*
Teignmouth to 9pm.	–	58	50	49	–	c.	b	7·0
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	–	62	48	44	b.p	c.o	o. c	*

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

3rd. and 4th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·20 / 4·19	11·50 / 11·50	7·19 / 7·20
Greenwich	4·31 / 4·29	11·57 / 11·57	7·23 / 7·25
Wick	4·16 / 4·14	12·9 / 12·9	8·2 / 8·4
Valencia	8·10 / 8·8	12·28 / 12·28	8·6 / 8·8

NOTES ON YESTERDAY'S WEATHER.

Temperature varied greatly, the mamima ranging from 43° at Lerwick to 62° at Torquay and Falmouth. There was very little or no bright sunshine over south-eastern England, elsewhere there were good records, up to 13½ hours at Holyhead.

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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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No.

4th May, 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1023.2	45	SSW	3	bc	1023.3	0	44	+2	S	4	-	bm	3	2	48	40	bc	bc	bmc	*
	Deerness ...	1023.3	45	S	3	b	1022.7	*	44	+3	SSE	5	-	b	4	-	48	40	bc.b	b	b	13.0
	Stornoway ...	1021.6	51	SW	4	b	1021.4	+1	45	+6	SW	2	-	bcg	2	-	52	38	b	b.	bcgb	12.9
	Castlebay (Barra Isd.)	1020.8	49	SSE	3	cm	1020.4	0	46	+1	SE	4	-	b3	4	-	49	45	bcm	bcm	c.m.b	10.6
	Glasgow ...	1022.4	51	ESE	2	b	1023.8	-1	37	+1	E	2	-	b	*	-	54	31	c.b.c.c	c.bc	bc	6.3
	Eskdalemuir ...	10231	46	ESE	3	b	1023.2	-1	40		ESE	4	-	b	*	-	50	30	b.bc.cg	cg.bc	bc.b	7.1
	Malin Head ...	1019.1	50	SSE	4	cgm	1018.9	0	43	+2	SE	4	E	bcm	4	-	52	40	cm	cgm	bcm	5.4
	Blacksod Point	1016.1	53	ESE	3	bcg	1015.2	-4	46	+3	ESE	3	SE	bc	3	-	55	42	bc	bcg	bcg.bc	*
	Valencia ...	1014.2	54	E	3	c	1011.7	-1	50	+2	E	4	E	0	2	1	53	48	cmp	c	cg.c	0.0
	Roche's Point	1016.7	50	E	4	c	1014.7	*	46	-3	E	4	-	0	4	0.1	54	45	bc.c	cm	c.b.c	*
	Birr Castle ...	10175	56	SE	3	c	1016.4	*	43	+1	ENE	2	-	c	*	-	58	40	c	c.c	c	3.8
	Donaghadee ...	1020.7	47	ESE	3	bm	1019.6	-1	44	-1	SE	4	-	bm	3	-	52	41	cm	bm	bmc	*
	Liverpool (Bidston)	1020.4	51	E	4	bc	1019.3	-2	43	+1	E	4	S	0	5	.	55	39	b	b	b.c	12.8
	Holyhead ...	1018.3	54	E	4	b	1017.8	-3	45	0	E	4	-	c	3	-	58	42	b	b	b.bc	10.1
	Pembroke (St. Ann's)	1016.6	51	SE	4	c	1014.5	-2	44	-3	ESE	3	SE	cfg	3	1	54	43	cg	bcg	cg	7.8
	Scilly (St. Mary's)	1012.9	47	E	6	cm	1011.0	0	49	+1	ESE	4	-	fc	6	2	52	47	cmp	cmp		0.0
	Falmouth ...	1014.6	46	E	6	c	1012.3	+1	47	-1	E	4	-	cfc	5	7	51	45	c.c	c.c.cg	cgc.fc	11
	Jersey (St. Aubin)	1014.3	48	ENE	3	cpm	1013.8	*	52	+2	E	1	-	fc	0	6	52	47	cg	cm.p	cf cfc	0.0
	Portland Bill ...	1016.9	49	E	6	r	1014.0	+1	47	+1	E	5	-	0	5	4	50	45	bc	bc.c	cf	*
	Dungeness ...	1017.3	48	NE	7	c	1016.3	cu	45	-1	ENE	4	-	c	4	5	52	44	bc	bc.c	c.c.cm.c	*
	Dover	1019.4	46	NNE	6	c	1018.1	0	45	-3	NE	4	-	cf	4	3	51	43	b.bc	bc.c.c	cf	9.7
	Wick	10232	45	S	3	c	10226	0	43	+5	S	4	-	b	4	-	47	38	bc	bcm	bm	*
	Nairn	1022.1	51	NE	1	cu	1022.3	*	45	+10	-	0	-	bm	0	-	53	30	bc.c	cg	bcmc	6.8
	Aberdeen ...	1025.1	44	SSE	3	b	1025.4	0	44	+5	SSE	3	-	0	2	-	49	37	b	b	b.bc.c	13.5
	Leith	1022.8	51	E	2	c	1022.9	0	42	0	ESE	3	SE	c	*	-	52	33	bc.c.c	c	c.bc.b	*
	Tynemouth ...	10247	45	SE	3	bc	1024.5	-2	44	0	SE	4	SE	0	4	-	49	42	b	b	c	*
	Spurn Head ...	1025.9	47	E	4	bc	1022.8	-1	46	+1	ESE	7	-	bcg	6	-	50	43	bcr	bcr	bcr	13.4
	Yarmouth ...	10240	46	E	5	b	1021.1	0	47	+1	E	9	E	cg	4	-	51	44	bc.b	b	bg.cg	13.0
	Clacton-on-Sea	1021.6	46	ENE	5	c	1018.6	0	47	+1	ENE	5	E	cg	4	0.2	49	45	bc	bc.c	bc.cgp	10.5
	Nottingham ...	1022.3	48	E	5	bc	1019.9	*	45	+3	E	5	E	c	*	-	54	37	b.bc	bc.b	b	13.2
	Bath	1018.7	52	E	4	c	1016.2	*	45	+1	E	3	E	fc	*	2	58	43	c bc.b	c.c	cgc	9.5
	London (Kew Obsy.)	1020.0	49	ENE	5	cg	1017.6	+1	46	+1	E	4	-	cm	*	0.1	53	44	cg.bc.bc.c	bcg.c.cg	c.cg.cfcm	7.6
ICELAND, FAEROE, &c.	Spitsbergen ...	1010.6	9	SE	2	c	1011.0	0	10	0	NE	2	*	c	*	*	12	5				
	Isafjord												*		*	*	2	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1011.9	28	NW	4	fc	1011.1	-2	30	0	W	6	-	c	3	*	30	19				
	Bodö	1017.7	34	SSW	1	c	1013.5	-3	34	+6	SE	4	-	m	2	5	36	28				
	Christiansund	1022.0	39	SW	5	c	10232	0	41	+4	SW	5	-	m	4	1	39	37				
	Skudesnaes ..	10295	41	NW	2	b	1027.8	+1	45	+4	NE	2	-	b	1	1	45	34				
	Færder (Xtania Fjord)	10224	45	W	2	bc	1032.0	+3	41	0	NNE	2	N	bc	1	-	46	32				
	The Scaw (Skagen)	1023.8	43	W	2	bc	1027.7	+4	46	+3	N	1	-	b	1	-	48	34				
	Blaavands Huk	1026.4	45	NNW	2	bc	1027.5	+2	43	+2	E	1	-	c	1	-	46	32				
	Haparanda ...	1013.6	36	N	2	b	10202	+2	32	0	NE	2	-	b	*	-	43	23				
	Hernösand ...	1016.8	39	N	2	b	1022.7	8	39	+3	NW	2	N	b	*	-	43	30				
	Stockholm ...	1016.8	43	W	2	b	1025.6	+4	41	+9	W	2	-	bc	*	-	43	30				
	Wisby	1022.0	37	WSW	4	b	1027.5	+4	39	+5	W	2	-	b	*	-	45	34				
	Karlstad	10208	46	N	7	bc	1027.7	+4	43	+6	SE	2	-	bc	*	-	50	28				
	Petrograd (5 a.m. G.M.T.)	10030	30	N	3	c	1017.1	+7	30	-4	NW	2	-	b	*	4	43	28				
FRANCE, &c.	The Helder ...	1024.6	48	NE	5	b	1023.3	0	46	+1	ENE	5	W	b	4	-	50	43				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1017.6	45	NE	6	c	1016.7	+1	44	+1	E	4	*	fc	2	4	54	43				
	La Hève	1014.3	54	ESE	3	fc	1013.3	*	55	+10	E	3	*	m	2	28	59	43				
	Ushant	1011.1	52	E	3	m	1011.3	*	52		SE	3	*	m	3	23	55	46				
	Brest (St. Mathieu)	1010.6	54	-	0	fc	1012.8	0	52	0	SE	2	*	m	3	6	63	50				
	Rochefort (Ile d'Aix)	1011.8	61	SW	2	bc	1013.5	+3	58		ESE	2	*	c	*	2	70	54				
	Biarritz	1012.2	64	SW	3	fc	1012.7	+1	66	-2	-	0	*	0	0	1	77	61				
	Paris	1014.5	61	NE	2	c	1015.4	+2	57	+7	ESE	2	SW	b	*	Trace	66	50				
	Belfort							*					*		*							
	Lyons							*					*		*							
	Nice	1020.0	54	-	0	c	10207	+2	57	+2	-	0	*	c	2	4	68	50				
	Perpignan ..	1014.9	59	E	2	c	1017.1	+2	59	+4	E	1	E	fc	*	1	68	65				
	Sanguinaire ...	1015.9	66	NW	1	m	1015.9	*	63	+2	E	3	*	c	3	-	75	55				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1010.7	63	SSW	5	c	1013.5	+2	61	-2	SSW	3	SW	c	1	4	68	57				
	Madrid (8 a.m.)	1014.6	64	SW	1	c	1017.1	+1	58		-	0	W	bc	*	?	66	?				
	Lisbon (9 a.m.)																					
	Gibraltar	1017.3	64	W	3	bc	1016.6	*	63	+6	W	4	*	c	1	-	72	56				
	Rome														*							
	Azores (Horta, 8 a.m.)		*										*									
	Madeira (Funchal)	1016.3	66	SSW	3	fc	1015.3	0	64	+1	SSW	4	W	fc	4	18	70	63				

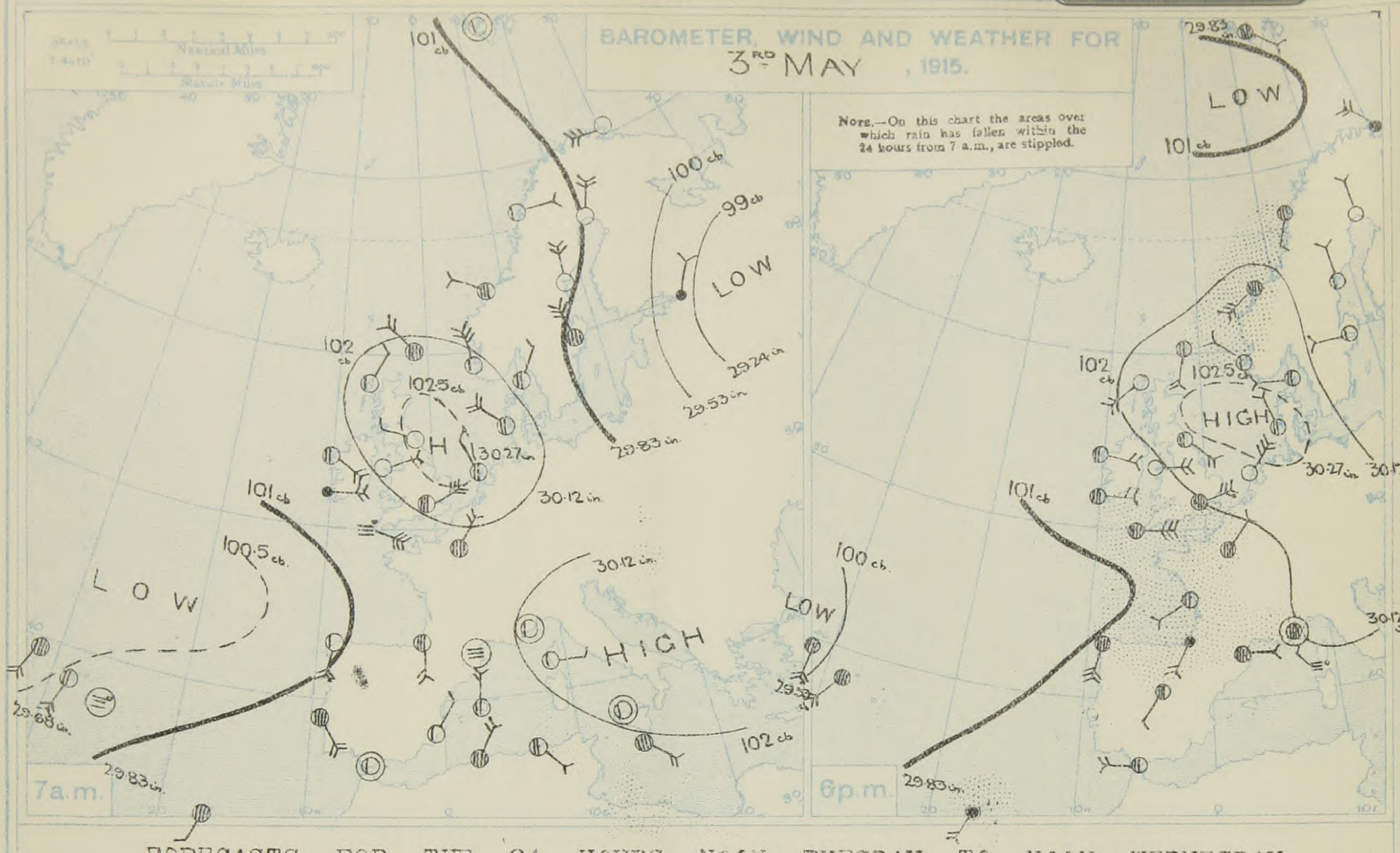
RAINFALL.

Equivalents of Millimetres in Inches.

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

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

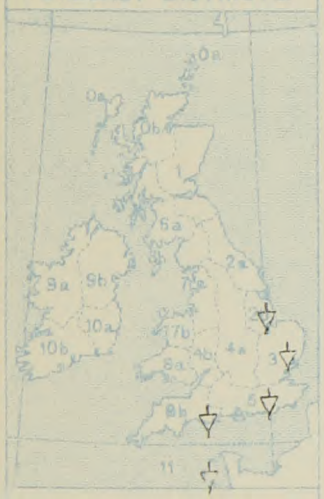
BAROMETER, WIND AND WEATHER FOR 3RD MAY, 1915.



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

FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

Cones hoisted at 4.10 a m

Western Channel and Bay

0 (a, b), 1 — Moderate South-Easterly and Southerly breezes; fine to cloudy; cool.

2 (a, b), 3 — Squally fresh Easterly winds, strong to a gale on coast; fair to dull, slight local showers; cool.

4 (a, b), 5 — Moderate to fresh and gusty Easterly breeze; fair to dull, slight local showers; cool.

6 (a, b) — Light to moderate South-Easterly breeze; fair to fine; cool.

7 (a, b), 8 (a, b), 9 (a, b), 10 (a, b) — Moderate Easterly and South-Easterly breezes; cloudy to fair or fine, local coast mist or fog; cool.

11 — Light to moderate Easterly to SouthEasterly breezes; sea slight or moderate; fair to dull, some mist or fog and passing showers; moderate temperature.

FURTHER OUTLOOK.

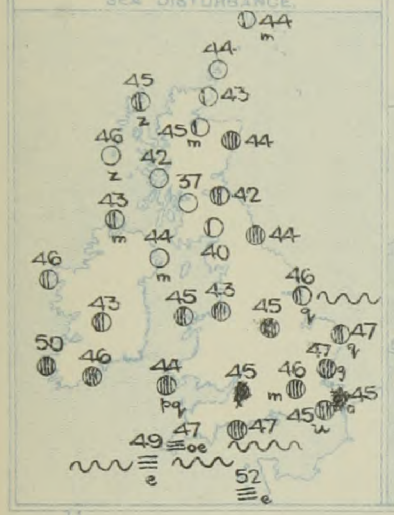
R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., TUESDAY, 4TH MAY, 1915.

GENERAL INFERENCE.

A cool South-Easterly to Easterly type of conditions is indicated.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

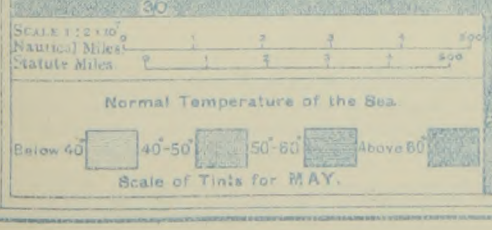
BAROMETER.—Isobars are drawn for intervals of five millibars.

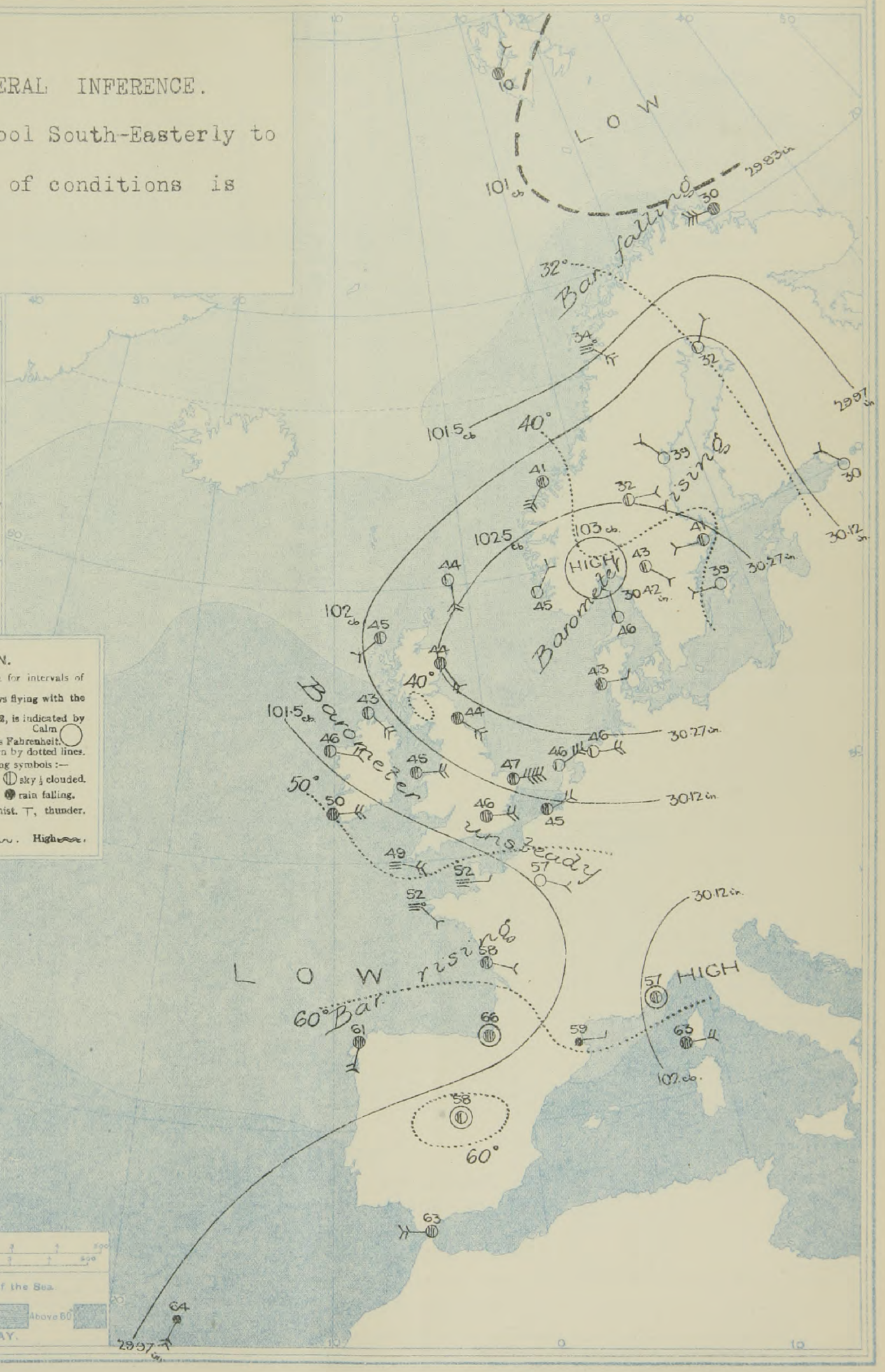
WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers. Calm ◯

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

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊤ₛ, thunderstorm.

SEA DISTURBANCE.—Rough ∿∿. High ≈≈.





DAILY WEATHER REPORT. Tuesday, 4th May 1915.

REPORTS FOR YESTERDAY.

3rd May

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
		F.						°F.	°F.								
Horta.	993·3	*	WSW	3	bc	1005·3	0	60		SSW	4	*	bc	3	–	66	55

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	56	34	bc	bc	1·0
Scotland.	Banff	–	51	28	b	b	10·9
Scotland.	St. Andrews	–	50	28	*	*	11·5
Scotland.	Carnoustie	0·3	47	30	b	bc	12·4
Eng. N.E.	Harrogate	–	60	29	b	bc. b	8·0
Eng. N.E.	Scarborough	*					
Eng. N.E.	Skegness	–	49	42	bc. b	b	12·8
Eng. N.W.	Morecambe	–	56	40	b	b	12·3
Eng. N.W.	Blackpool	–	55	36	bm. b	b. bm	11·7
Eng. N.W.	Southport	–	57	36	b	bc. b	12·0
Midlands.	Buxton	–	50	30	bc	bc	10·2
Midlands.	Leamington Spa	–	57	36	bc	bc	11·9
Midlands.	Malvern	–	56	36	b. bc	bc. c	10·5
Midlands.	Ross-on-Wye	–	55	36	bcq	bc. c. b	11·3
Wales.	Rhyl	–	55	36	b	b	10·8
Wales.	Colwyn Bay	–	57	38	bc	b	12·5
Wales.	Llandudno	–	56	49	–	–	11·2
Wales.	Aberystwyth	–	58	44	o. c. b	c. bc	10·0
Wales.	Tenby	–	56	45	bc	bc. o	7·0
Wales.	Swansea						
England.	Cromer	–	51	40	b	b	12·8
England.	Lowestoft	–	51	42	bc. b	b. bc. c	11·3
England.	Felixstowe	–	50	37	bc	bc	10·6
England.	Walton-on-Naze	–	49	43	bc	bc. c.	10·8
England.	Southend-on-Sea	–	52	41	bc	bc. c	9·4
England. S.E.	Tunbridge Wells	–	53	38	b	bc. c. o	7·7
England. S.E.	Margate	–	51	48	b	b. bc. c	10·9
England. S.E.	Ramsgate	–	48	42	b	bc	9·4
England. S.E.	Folkestone	–	51	43	o. bc	bc	7·7
England. S.E.	Hastings	–	51	40	b. bc	bc	7·2
England. S.E.	Bexhill-on-Sea	–	53	40	c	c	5·0
England. S.E.	Eastbourne	–	51	40	b	b. bc. o	7·0
England. S.E.	Seaford	–	54	38	b	b. c	7·1
England. S.E.	Brighton	–	56	41	bc. c	c. bc. c	7·1
England. S.E.	Worthing	–	55	40	bc	o	7·6
England. S.E.	Littlehampton	–	51	*	b	b. bc. c. o	7·5
England. S.E.	Bognor	–	53	40	b	b. c. o	7·2
England. S.E.	Southsea	–	57	42	b. c	b. c	7·5
England. S.E.	Bournemouth	–	55	41	c	c. r	6·5
England. S.W.	Weymouth	–	55	43	b. bc	bc. c. o	6·3
England. S.W.	Torquay	–	53	46	o. c	c. o	1·6
England. S.W.	Paignton	–	51	46	c	o	1·1
England. S.W.	Falmouth	–	51	46	c. o	o. c. oq	1·1
England. S.W.	Penzance	–	53	47	b. bc	c. o	2·0
England. S.W.	Newquay	–	56	46	bv	bv. o	8·5
England. S.W.	Ilfracombe	–	56	47	c. bc. b	o	6·6
England. S.W.	Weston-super-Mare	–	57	44	b	b. bcm	7·0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	24 Hours ended 9 a.m. To-Day. °F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	59	82	8·2	53	44	41	0·3	b	c. o	o. rc
City (Bunhill Row)	*	*		*	*	*	*	*	*	*
Westminster (St. James's Pk.)	59	80	8·6	54	46	44	0·6	bc	b	bc. d ug
Camden Sq. (Brit. Rainfall)	59	78	7·7	57	45	43	0·3	b	bc. c	*
Hampstead (Reservoir)	*	85	8·4	51	41	35	–	bc	od	o
Richmond Park	*	*								
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	735	77	8·6							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
2010 Joules	37·6 Milliwatts.	77 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	–	55	39	34	b. o	o. c	c. b	*
Darwen to 9 p.m.								
Manchester ,,	–	56	33	*	c. bo. b	b	b. c. b	11·7
Birmingham ,,					*			
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.	–	52	48	45	o	o. c	bc. c. o	0·8
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	–	50	42	37	c. o. c	bc	cq	*

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

4th and 5th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·19 / 4·18	11·50 / 11·50	7·20 / 7·22
Greenwich	4·29 / 4·28	11·57 / 11·57	7·25 / 7·26
Wick	4·14 / 4·12	12·0 / 12·0	8·4 / 8·6
Valencia	5·8 / 5·6	12·28 / 12·36	8·8 / 8·9

NOTES ON YESTERDAY'S WEATHER.

Temperature was low in all districts, many maxima as low as 47° to 50°. A little rain fell in the south, Valencia, Scilly and Jersey had no sunshine, but generally the records were large, up to 13½ hours at Aberdeen and Spurn Head.

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

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. Wednesday 5th May 1915

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					†	°F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1022.1	43	S	5	bc	1016.6	-1	44	0	S	4	-	bc	3	-	46	41	bc	bc	c. bc	*
	Deerness ...	1019.6	43	SSE	6	b	1015.9	*	46	+2	S	4	SW	bc	4	-	46	41	b	b	b bc	13.8
	Stornoway ...	1018.0	52	S	2	bq	1015.1	0	43	-2	-	0	-	bq	0	-	54	35	bc. bq	bq	b. bq	11.0
	Castlebay (Barra Isd.)	1016.7	51	E	2	b	1014.4	0	47	+1	SE	3	-	0	3	-	51	44	bq. bm	bm. b	bc. cmo	13.6
	Glasgow ...	1018.1	49	E	4	c	1015.7	-1	44	+7	ENE	1	SW	0	*	-	55	37	b. bc. c	bc. c	c. og o	10.9
	Eskdalemuir ...	1018.7	47	SE	4	o	1015.1	-1	44	+4	N	2	W	c	*	-	52	39	bc. c	c. og	og. ofc	8.7
	Malin Head ...	1014.4	49	ESE	4	cm	1013.4	0	47	+4	E	1	-	cm	1	1	50	43	bq	cm	cm	9.0
	Blacksod Point	1011.4	55	E	4	cm	1011.5	0	48	+2	SSE	2	S	c	2	Trace	58	45	bcm	cm	cm	*
	Valencia ...	1008.8	52	ENE	3	o	1009.1	+1	52	+2	-	0	-	o	2	1	56	49	oq	oq. p	oq. c. o	0.2
	Roche's Point	1011.7	50	E	3	f	1011.0	*	50	+4	SE	3	-	f	3	4	50	45	dm	dm. fe	fd. fe	*
	Birr Castle ...	1012.9	50	SE	1	c	1011.2	*	52	+9	SE	1	-	c	*	-	52	49	c. o	o. c	c	2.3
	Donaghadee ...	1015.5	47	SE	4	ogpm	1014.4	-1	45	+1	SE	3	-	omr	2	1	51	43	bcm	ogm	om. omr	*
	Liverpool (Bidston)	1016.1	60	E	3	o	1014.0	-1	46	+3	ESE	3	S	r	2	2	54	39	o	o	or	0.1
	Holyhead ...	1014.9	51	E	2	ogm	1013.4	0	50	+5	E	1	-	opdm	0	4	51	45	bc. opd	opd. om	or. b. op	0.5
	Pembroke (St. Ann's)	1013.3	50	SE	3	o	1012.8	0	49	+5	SE	2	-	opm	2	20	50	43	ogp	ogp	om	0.2
	Scilly (St. Mary's)	1011.0	52	SE	4	opm	1011.2	+1	51	+2	S	3	SW	cm	4	1	54	49	f	f. opm	om. f om	0.2
	Falmouth ...	1012.4	50	SE	2	f	1011.9	+1	51	+4	-	0	-	o	3	17	52	47	fe	fe. r. fe	fe. d. co	0.0
	Jersey (St. Aubin)	1013.9	61	E	2	bc	1013.8	*	52	0	WSW	1	-	o	0	1	63	49	fe. bcm	cp. bc	b. op o	5.8
	Portland Bill ...	1014.4	49	E	3	o	1013.3	-1	49	+2	E	3	-	f	4	-	49	44	om	om	om. f	*
	Dungeness ...	1014.7	51	NE	2	o	1014.0	0	49	+4	NE	2	NE	o	2	-	53	43	o. bc	bc. o	bc. og	*
	Dover	1016.2	50	N	3	bc	1014.5	0	47	+12	-	0	-	bm	2	-	57	44	o. c. bc. c	c. bc. c	bc. bm	6.0
	Wick	1019.4	45	S	4	b	1016.1	-1	44	+1	S	3	-	c	3	-	47	41	bm	bm	bc. c	*
	Nairn	1018.2	53	S	2	bcm	1015.6	*	45	0	-	0	-	cm	0	-	59	35	bc	bcm	bcm	12.2
	Aberdeen ...	1022.1	44	SSE	4	c	1019.5	-2	46	+2	-	0	-	o	2	-	49	41	o c	bc. c	c. o	6.1
	Leith	1018.7	49	ESE	2	bc	1015.3	-1	45	+3	ENE	1	-	o	*	-	52	41	bc. c	bc	bc. b	*
	Tynemouth ...	1021.0	44	SE	4	og	1015.6	-3	46	+1	N SW	2	N	emp	3	-	49	43	bc	bc	cm	*
	Spurn Head ...	1019.9	47	E	5	o	1015.9	-2	47	+1	N	2	-	c	4	-	50	44	cg	c. og	og	5.7
	Yarmouth ...	1017.4	48	E	4	o	1015.4	+1	49	+2	-	0	-	c	0	0.2	50	42	o	o	bc. c	1.8
	Clacton-on-Sea	1016.6	51	E	2	c	1014.9	0	52	+5	N	2	NE	c	1	-	53	45	o. c. bc	bc. c	c. bc. c	5.0
	Nottingham ...	1017.5	50	E	3	o	1015.2	*	46	+1	-	0	SW	om	*	Trace	53	43	op	o	o. c	0.0
	Bath	1015.0	56	E	4	o	1014.6	*	53	+8	E	2	E	o	*	1	57	44	r. og	og	og pm	0.0
	London (Kew Obsy.)	1015.8	54	ENE	3	cm	1014.9	+1	52	+6	N	1	-	cm	*	-	59	44	om. cmor	om cm	om. cmbmc	1.5
ICELAND, FAEROE, &c.	Spitsbergen ...												*		*	*						
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												c		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö															*						
	Bodö																					
	Christiansund																					
	Skudesnaes ..																					
	Færder (X'tiania Fjord)	1028.3	43	SSW	2	b	1027.9	0	46	+5	SSW	2	-	bc	1	-	46	39				
	The Scaw (Skagen)	1029.0	46	SE	1	b	1028.4	-1	46	0	S	3	-	b	2	-	50	43				
	Blaavands Huk	1025.9	54	SE	2	b	1023.8	-2	48	+5	SW	4	W	b	3	-	54	37				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (5 a.m. G.M.T.)	1025.7	34	WNW	4	c	1026.9	0	36	+6	WSW	2	-	o	*	-	41	30				
FRANCE, &c.	The Helder ...	1018.4	59	E	3	c	1016.4	0	52	+6	SE	2	-	c	1	-	63	46				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1015.0	49	NE	4	c	?1014.3	0	59	+15	SW	1	*	c	2	Trace	?	43				
	La Hève	1013.6	59	NNW	2	r	1013.5	*	54	-1	E	1	*	m	1	5	66	50				
	Ushant	1012.3	53	S	3	c	1012.3	*	53	+1	SW	2	*	c	3	-	57	48				
	Brest (St. Mathieu)	1013.9	61	S	3	b	1014.0	+1	54	+2	WSW	1	*	o	5	-	61	50				
	Rochefort (Ile d'Aix)	1013.5	60	NW	3	c	1013.2	0	59	+1	SSE	3	*	o	*	-	70	54				
	Biarritz	1012.7	66	E	1	c	1011.0	0	61	+5	ESE	2	*	c	c	7	70	57				
	Paris	1014.4	66	SSW	2	b	1014.7	+1	57	0	SE	1	-	o	c	2	73	52				
	Belfort							*					*		*							
	Lyons	1016.6	65	SSE	2	o	1017.0	-	58	-1	-	0	*	o	-	2	74	55				
	Nice																					
	Perpignan ..	1016.7	59	NE	1	o	1015.4	0	57	-2	E	2	E	r	*	2	64	34				
	Sanguinaire ...	1015.7	67	E	3	c	1015.4	*	62	-1	SE	1	*	c	2	-	75	54				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1013.9	63	S	4	o	1011.7	c	57	+4	S	2	-	r	1	4	68	55				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar	1016.2	63	SW	3	b	1014.9	*	61	-2	SW	2	*	m	1	-	76	58				
	Rome														*							
	Azores (Horta, 8 a.m.)		*										*									
	Madeira (Funchal)	1015.1	68	SSW	4	bc	1013.9	0	64	0	N	2	W	r	2	2	70	64				
	Malta	*	*	*	*	*	1021.3	0	64	+1	E	3	*	bc	2	-	66	59				

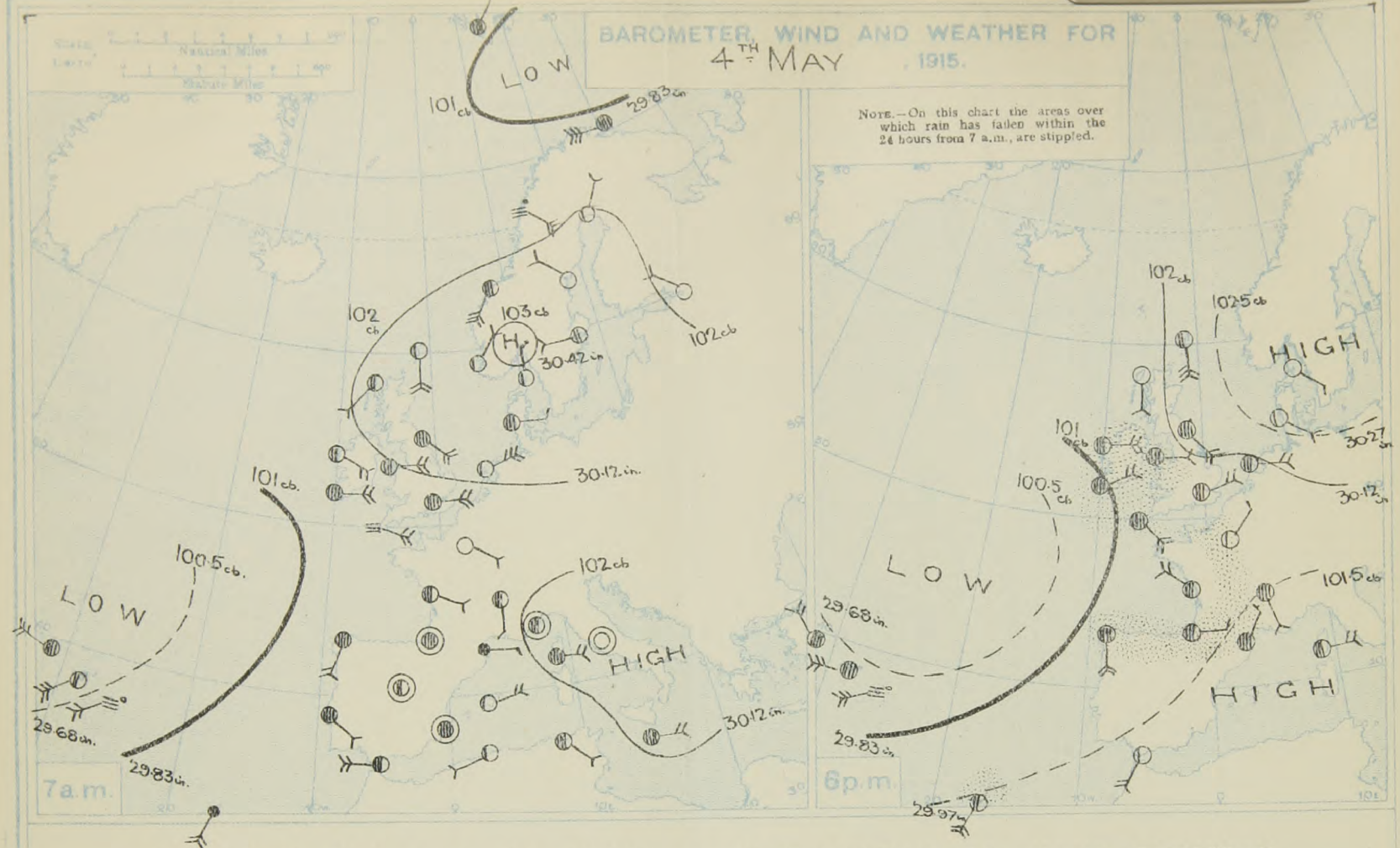
RAINFALL.

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

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

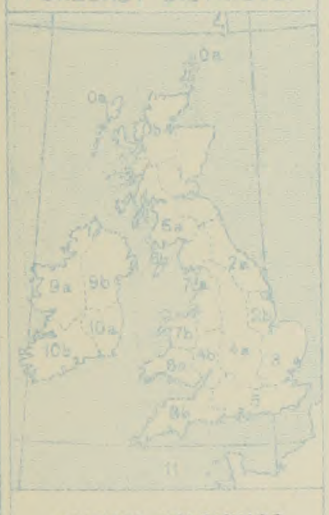
BAROMETER, WIND AND WEATHER FOR 4TH MAY 1915.



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

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No warnings issued.

0 a, b	Light breezes, mainly between South and East; fine
1	
2 a, b	
3	
4 a, b	to cloudy and misty, slight local passing showers;
5	
6 a, b	temperature increasing.
7 a, b	
8 a, b	
9 a, b	
10 a, b	
Western Channel and Bay 11	Light Southerly and South-Easterly breezes; sea slight; fair to overcast, some rain, mist or fog, moderate temperature.

FURTHER OUTLOOK.

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

W. N. SHAW, Director.

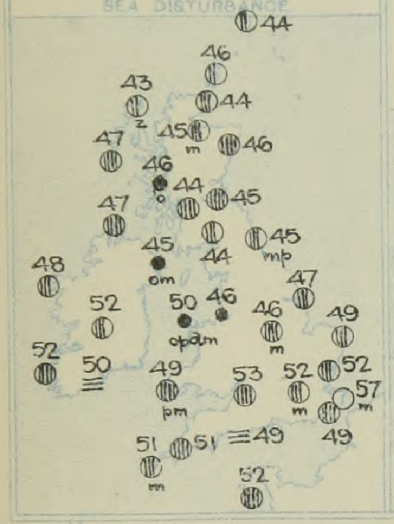
Millibars: 1050, 1040, 1030, 1020, 1010, 1000, 990, 980, 970

SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 5TH MAY, 1915.

GENERAL INFERENCE.

The variations of pressure are very slight, and afford no indication of a material change in the distribution.

TEMPERATURE, WEATHER AND SEA DISTURBANCE



EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◐ sky ½ clouded. ◐ sky ⅝ clouded.
◍ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊼, thunderstorm.

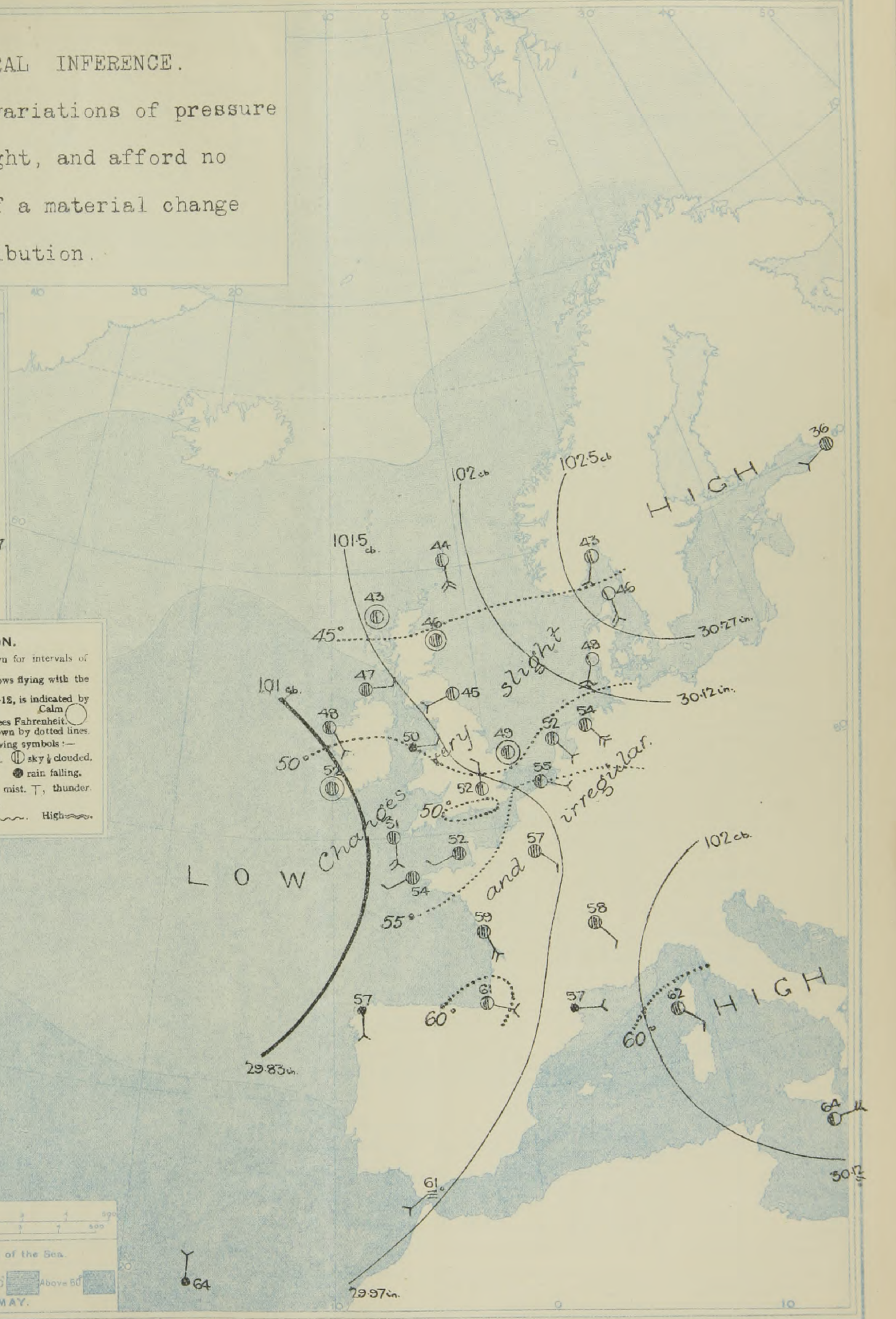
SEA DISTURBANCE.—Rough ∿∿. High ≈≈.

SCALE 1 : 2 x 10⁶
Nautical Miles 0 100 200 300 400 500
Statute Miles 0 100 200 300 400 500

Normal Temperature of the Sea.

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.



DAILY WEATHER REPORT. Wednesday 5th May 1915.

REPORTS FOR YESTERDAY. 4th May

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Lyons	1015.7	64	S	2	0	1017.2	*	59		S	1	*	C	*	-	73	55
Lisbon	1014.6	63	SSW	4	0	1015.0	+1	59	-2	SE	2	..	0	5	-	64	50
Rome	1020.4	61	SW	3	C	1021.0	+1	55		N	1	-	7	*	-	72	52
Horta	1002.7	*	SSW	5	0	1002.4	+2	59	-1	SW	5	*	7c	4c	4	64	57

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm §	°F.	°F.			Hr.
Scotland.	Oban	-	57	40	7c	7	12.2
	Banff	-	49	35	7c	7c	11.0
	St. Andrews	-	51	29	*	*	4.2
	Camoustie	-	47	39	c	c	4.4
England N.E.	Harrogate	-	52	33	7c.c	c.or	9.1
	Scarborough	0					
	Skegness	Trace	50	44	0.7c	or.c.o	4.5
England N.W.	Morecambe	2.3	49	40	6o.od	d.od	2.0
	Blackpool	1.2	54	37	c.go	or.o	0.7
	Southport	2.3	58	36	c.or	or.o	1.0
Midlands.	Buxton	-	49	34	7c	7c	0.2
	Leamington Spa	3.1	54	41	or	op.c	0.0
	Malvern	13.5	53	40	c	c	0.0
	Ross-on-Wye	3.8	51	41	orm	orm	0.0
Wales.	Rhyl	-	52	38	o	o	0.0
	Colwyn Bay	2.0	52	40	cp	7c.o	0.0
	Llandudno	1.8	52	38	-	-	0.1
	Aberystwyth	1.5	52	44	ooo	c.no	0.2
	Tenby	3.3	50	43	7c.c.op	o	0.0
	Swansea	0.3	51	43	c	r.oc	1.4
England E.	Cromer	0.3	51	43	c	or.c	1.1
	Lowestoft						
	Felixstowe	-	52	45	c	c	1.9
	Walton-on-Naze	-	50	45	oc	6o	1.4
	Southend-on-Sea	-	55	45	c.6c.6	2.3c	5.5
England S.E.	Tunbridge Wells	3.5	60	43	c.7c	7c3	4.9
	Margate	0.8	51	45	c.7	c.7	3.7
	Ramsgate	1.0	51	44	c	c	3.9
	Folkestone	1.5	57	43	or.7c	7c	6.4
	Hastings	3.8	59	43	or.7c	7.3c	6.3
	Bexhill-on-Sea	4.6	55	44	c.7c.or	or.c.7c	6.1
	Eastbourne	6.1	53	45	o.7	7c.o.7c	4.3
	Seaford	4.1	62	44	o	c	3.8
	Brighton	1.5	63	47	c.7c.c	c.7c.c	2.1
	Worthing	6.1	58	45	o	7c	2.8
	Littlehampton	3.6	55	45	o.c	7c.7	2.0
	Bognor	2.3	54	*	o	o.7c	1.8
	Southsea						
	Bournemouth	2.5	54	43	o	o	1.0
England S.W.	Weymouth	5.6	50	44	oc	orm	0.0
	Torquay	18.3	50	45	o.d	op	0.0
	Paignton	15.5	49	45	od	o	0.0
	Falmouth	22.6	51	45	fc	fc.r.fc	0.0
	Penzance	5.3	53	46	f.m	fr.m	0.0
	Newquay	11.4	52	44	orm	o.or	0.0
	Ilfracombe	4.1	56	44	o	o.c.o	0.0
	Weston-super-Mare						

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday. %	Humidity. 9 a.m. To-day. %	Sunshine for Yesterday. Hr.	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.§	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
Greenwich (Royal Obsy.)	64	65	4.2	60	43	33	-	7c	7c.c	7c.c
City (Bunhill Row)	*	*	4.1	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	66	70	3.4	59	48	42	-	7.	3 3	7
Camden Sq. (Brit. Rainfall)	63	69	4.0	63	45	40	-	o.7c	7c.c	*
Hampstead (Reservoir)	*	65	3.4	60	44	35	-	o.7c	7c	7c
Richmond Park	*	*	2.8							
Kew. (See front page.)										

(Greenwich and Camden Square air temperatures are in Glaisher screens.)

Vertical Component of Solar Radiation per square centimetre during Yesterday.

STATIONS.	Total.	Average Rate.	Max. Rate.
S. Kensington (Roof of M.O.)	1121 Joules	20.8 Milliwatts.	75 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall. mm §	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Night Min. on Grass. °F.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday. Hr.
Dublin to 4 p.m.	0.3	61	44	41	7.o.c	c.o	or	0.0
Darwen to 9 p.m.	0.5	50	36	32	7.c	c.o.r	o.r	*
Manchester ,,				*				
Birmingham ,,					*			
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.	16	49	47	43	or	mor.f	o	0.0
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	Trace	58	46	44	o	o	c.7c	*

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

5th & 6th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.18 / 4.16	11.60	7.22 / 7.24
Greenwich	4.28 / 4.26	11.57	7.26 / 7.28
Wick	4.12 / 4.10	12.9	8.6 / 8.8
Valencia	5.6 / 5.5	12.38	8.9 / 8.10

NOTES ON YESTERDAY'S WEATHER.

The distribution of temperature was very irregular 46° at Lerwick to 59° at Nairn, 49° at Paignton and Portland Bill to 63° at Brighton and Jersey. Heavy rain fell in the south-west, 20 mm at Pembroke. Many western stations had no sunshine, Scotland large records, 13·8 hours at Deerness.

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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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 126

Thursday, 6th May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Yesterday.
			°F.					‡	F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1015·4	46	S	2	cm	1015·1	−1	42	−2	S	2	r	f	1	-	49	41	bm	bcm	om. f	*
	Deerness ...	1014·2	46	SE	3	bg	1013·5	*	43	−3	SE	1	-	f	0	-	48	41	bc	b	b bc. of	15·0
	Stornoway ...	1014·0	53	S	2	bg	1014·1	+1	49	+6	-	0	-	bg	0	-	56	41	bcg. b	bg	bc. c. bg	10·0
	Castlebay (Barra Isd.)	1014·1	49	E	2	cm	1013·8	0	49	+2	-	0	SW	bcm	1	-	50	42	om	o. cm	c. bcm	0·0
	Glasgow ...	1013·4	58	E	1	o	1014·6	0	46	+2	-	0	-	m	*	-	62	44	o cg	c. og	og. cm	2·2
	Eskdalemuir ...	1013·5	57	-	0	c	1014·5	0	47	+3	-	0	w	b	*	2	59	39	od. or. c	c	c. bcm	1·9
	Malin Head ...	1013·5	56	E	1	bcm	1013·9	0	48	+1	S	2	E	bcm	1	-	53	46	cm	bcm	bcm	1·0
	Blacksod Point	1011·5	58	NNW	2	bcm	1012·3	0	52	+4	E	1	SE	cm	1	-	60	47	bc	bcm	bc. cm	*
	Valencia ...	1010·8	52	-	0	m	1013·5	+1	50	+2	NE	1	SW	o	3	3	58	50	c	ocd	dmo	1·0
	Roche's Point	1013·0	51	SE	2	o	1014·9	*	50	0	SE	1	-	f	1	1	53	49	fe	fe. om	ofe	*
	Birr Castle ...	1011·9	57	SE	1	c	1014·1	*	52	0	SSE	1	-	o	*	1	61	50	c o	c/o	o	2·8
	Donaghadee ...	1013·4	50	SE	2	bcm	1014·0	+1	46	+1	SW	1	-	cf	1	0·2	53	43	om	bcm	bcm. f	*
	Liverpool (Bidston)	1013·0	54	NW	1	bc	1014·9	+1	51	+5	WNW	1	-	c	1	-	64	46	o. bc	bc	o	6·1
	Holyhead ...	1013·3	55	N	2	cgm	1014·9	+1	49	−1	SW	3	-	fe	1	1	60	48	o. c. o. cm	c. op. o. c	op. b fe	4·0
	Pembroke (St. Ann's)	1013·6	50	SE	1	c	1015·4	+1	48	−1	SE	1	-	f	1	1	53	46	opm	bcm	cm	0·5
	Scilly (St. Mary's)	1012·8	52	S	2	f bc	1014·4	+1	51	0	-	0	-	fe	3	0·1	57	50	om. cm	om. f	fe	3·6
	Falmouth ...	1013·2	54	S	2	b	1014·5	+2	51	0	SSE	2	-	f	3	-	58	50	o. c	c. oc. bc	cf. of. c	1·6
	Jersey (St. Aubin)	1013·5	58	NW	3	b	1014·6	*	53	+1	NE	1	NE	bm	0	-	64	47	o. c. bc	bc	bw. m	8·8
	Portland Bill ...	1013·9	52	W	2	c	1014·4	+2	52	+3	NW	1	-	c	1	-	54	48	f	f. bc	bc. c	*
	Dungeness ...	1012·8	54	NE	2	c	1012·8	0	52	+3	-	0	-	cm	0	-	61	52	o. bcg	bcg	cm. bcm	*
	Dover	1014·0	57	E	1	b	1013·9	+1	59	+2	-	0	-	bg	1	-	66	52	b	b	bc. o. c. b	9·1
	Wick	1014·4	46	-	0	b	1014·0	0	43	+1	-	0	-	fe	2	0·2	48	36	cm	e. bcm	bfe bm	*
	Nairn	1013·1	56	-	0	cgm	1013·6	*	47	+2	-	0	-	bm	0	-	57	39	c. bcm	bc. cg	cwm	3·8
	Aberdeen ...	1014·2	50	SE	2	b	1014·5	+1	50	+4	-	0	-	o	2	-	55	46	c. bc. b	b	bc. c. o	6·7
	Leith	1010·2	50	ENE	1	o	1014·0	0	49	+4	ESE	1	-	b	*	-	54	44	o. c.	c. o	bc. b	*
	Tynemouth ...	1014·5	48	NNE	2	cm	1014·5	0	48	+3	NE	1	-	f	3	1	53	45	cm	cm	ogm	*
	Spurn Head ...	1015·9	50	ESE	3	o	1015·4	0	51	+4	E	2	-	o	4	3	55	51	e	o	oc. tbc	0·0
	Yarmouth ...	1014·6	52	SE	1	bc	1014·8	0	53	+4	N	1	-	bcm	0	-	61	47	c. bc	c. bc	c. bcm	9·1
	Clacton-on-Sea	1013·6	54	E	2	bc	1014·6	0	52	0	-	0	-	f	0	-	59	50	c. bc. c	c. bc	bcwf	10·4
	Nottingham ...	1012·7	64	E	1	bc	1014·4	*	52	+6	-	0	S	om	*	5	68	46	om. c	cc. bc	c. tbc o	1·7
	Bath	1013·2	63	W	3	c	1015·1	*	51	−2	w	1	SW	o	*	0·1	67	48	m. o. c	o. c. bc	c bc b. o	2·6
	London (Kew Obsy.)	1012·6	71	SSW	1	bc	1014·5	+2	56	+4	SW	1	SW	bcm	*	-	71	49	cm bg cg	og. c. bc	bc bml bcm	3·9
ICELAND, FAEROE, &c.	Spitsbergen ...	1011·3	3	S	1	b	1005·4	−2	−2	−9	SE	2	*	b	*	*	9	−13				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1007·0	30	SE	4	r	1001·1	r 3	36	+2	SW	2	-	r	2	*	34	21				
	Bodö	1009·5	48	SW	6	o	1008·7	0	41	−2	SW	5	-	o	4	2	43	39				
	Christiansund	1017·1	52	S	2	b	1015·5	−2	46	+3		0	-	o	4	-	55	43				
	Skudesnaes ..	1018·7	50	E	3	o	1016·3	−1	48	0	E	2	-	r	3	-	54	48				
	Færder (X'iania Fjord)	1024·6	46	SSE	2	c	1022·3	−1	45	−1	SE	2	-	o	1	-	48	45				
	The Scaw (Skagen)	1024·2	48	SSE	3	bc	1021·0	0	46	0	SE	3	-	c	3	r	50	45				
	Blaavands Huk	1019·1	54	SE	5	c	1016·6	0	50	+2	ESE	3	-	o	3	-	61	45				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (5 a.m. G.M.T.)	1022·9	43	WNW	1	bc	1026·3	+2	37	+1	NW	1	-	b	*	-	48	36				
FRANCE, &c.	The Helder ...	1014·3	57	NE	2	o	1014·0	0	55	+3	N	1	-	c	0	-	66	52				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1011·9	55	NE	3	c	1013·5	+1	59	0	NE	1	*	c	0	-	61	50				
	La Hève	1010·9	57	N	2	o	1014·1	*	50	+4	-	0	*	m	1	-	61	48				
	Ushant	1013·6	53	S	2	o	1013·5	*	52	−1	NE	3	*	o	3	-	63	48				
	Brest (St. Mathieu)												*									
	Rochefort (Ile d'Aix)												*		*							
	Biarritz	1010·0	70	SE	2	c	1011·5	+2	62	+1	ESE	2	*	o	0	3	77	59				
	Paris														*							
	Belfort							*					*		*							
	Lyons	1016·4	58	-	0	r	1017·7	*	60	+2	S	2	*	bc	*	3	64	56				
	Nice	1020·4	55	-	0	r	1021·3	+1	58	−3	-	0	*	o	2	4	63	52				
	Perpignan ..	1012·8	64	N	2	o	1016·0	+3	63	+6	-	0	S	o	*	*	72	54				
	Sanguinaire ...	1015·7	62	N	4	o	1016·4	*	65	+3	NW	2	*	bc	2	3	72	57				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1010·7	59	NNW	3	bc	1009·9	0	57	0	ESE	3	S	bc	1	8	63	54				
	Madrid (8 a.m.)	1011·5	64	SW	2	c	1013·9	+2	55		SSE	1	-	r	*	14	70	54				
	Lisbon (9 a.m.)	1010·7	61	SSW	3	r	1008·8	−1	59	0	E	1	-	o	5	3	68	59				
	Gibraltar	1013·9	64	SE	2	o	1012·5	*	68	+2	E	4	*	o	1	5	71	60				
	Rome														*							
	Azores (Horta, 8 a.m.)		*										*									
	Madeira (Funchal)	1013·6	66	N	2	bc	1014·6	0	59	−5	N	2	-	b	2	-	70	59				
	Malta	*	*	*	*	*	1021·9	+1	63	−1	E	2	-	b	2	-	66	61				

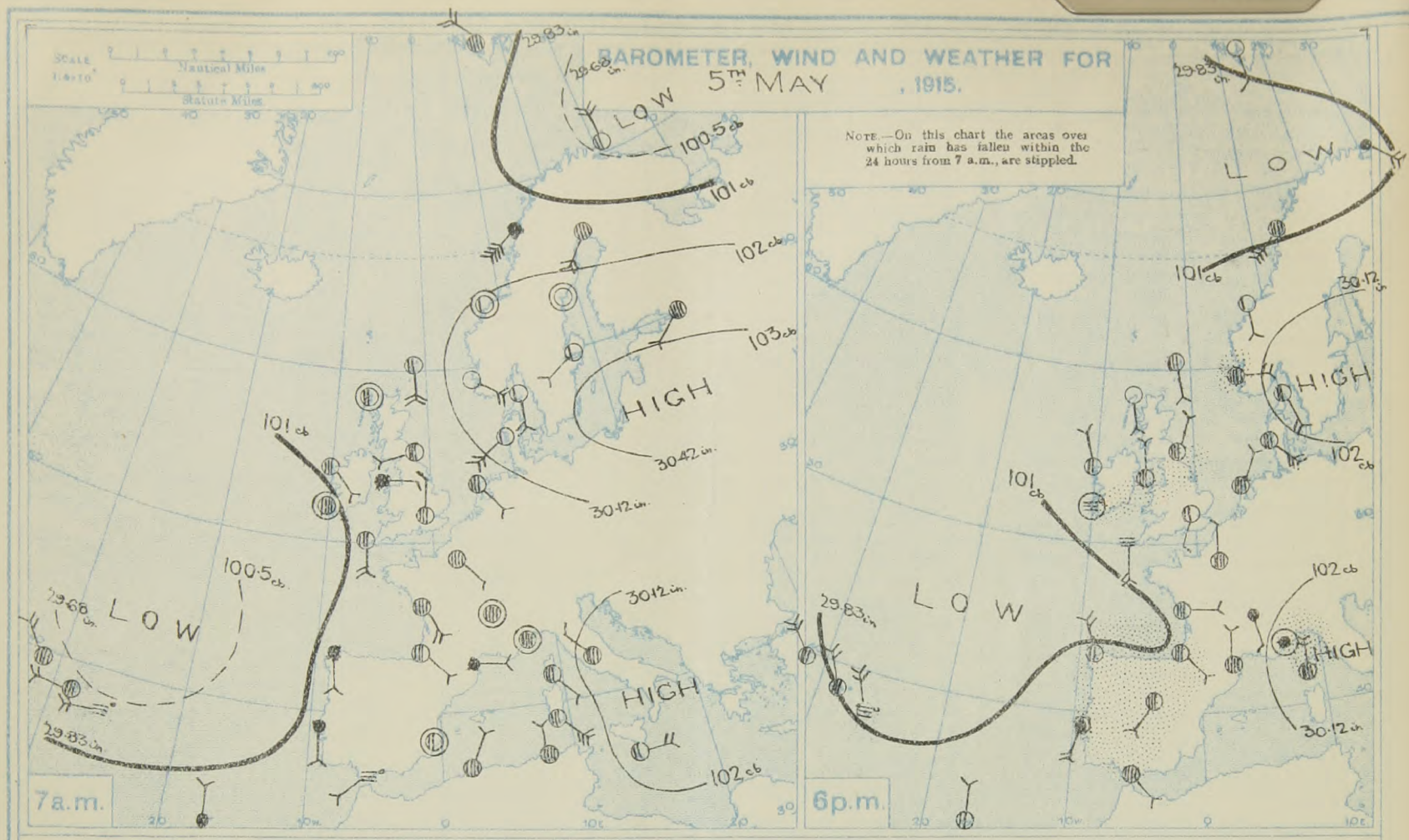
RAINFALL.

Equivalents of Millimetres in Inches.

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

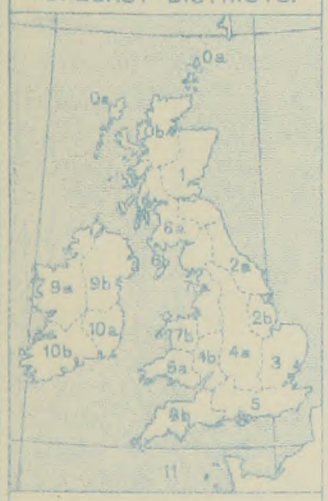
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

BAROMETER, WIND AND WEATHER FOR 5TH MAY, 1915.



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.

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	Calms and variable airs; fine to cloudy, local mist or fog; moderate warmth.
Western Channel and Bay 11	Light breezes between North-East and South-East; slight sea; fine to dull, some mist or fog; moderate temperature.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

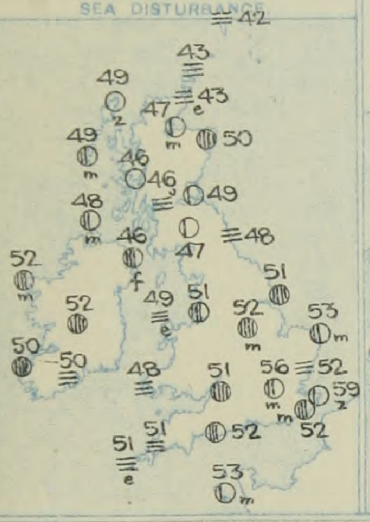
Millibars: 1050 1040 1030 1020 1010 1000 990 980 970

SYNOPTIC CHART FOR 7 a.m., THURSDAY, 6TH MAY, 1915.

GENERAL INFERENCE.

The conditions are likely to remain of the same quiet type.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. =° mist. T, thunder.
K, thunderstorm.

SEA DISTURBANCE.—Rough ~~. High ≈≈.

Inches.
31
30
29

LOW
100.5 cb
29.68 cm.
40°
29.83 cm.
29.97 cm.
30.12 cm.
101 cb
101.5 cb
Bar. falling
slowly
HIGH
102.5 cb
102 cb
50°
Barometer
HIGH
Circulating
Little
Bar. rising
HIGH
LOW
29.83 cm.
60°
29.97 cm.
30.12 cm.

SCALE 1 : 0 10 20 30 40 500
Nautical Miles
Statute Miles 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500

Normal Temperature of the Sea.
Below 40° 40°-50° 50°-60° Above 60°
Scale of Tints for MAY.

DAILY WEATHER REPORT. Thursday 6th May 1915.

REPORTS FOR YESTERDAY.

5th May.

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Evening Observations: Temp. °F.	Evening Observations: Wind. Direc.	Evening Observations: Wind. Force 0–12.	Evening Observations: Weather.	7 a.m., G.M.T.: Barometer. Millibars at M.S.L.	7 a.m., G.M.T.: Barometer. Change in 3 hours.	7 a.m., G.M.T.: Temp. Dry Bulb. °F.	7 a.m., G.M.T.: Temp. Change in 24 hours. °F.	7 a.m., G.M.T.: Wind. Direc.	7 a.m., G.M.T.: Wind. Force 0–12.	7 a.m., G.M.T.: Direc. of Upper Cloud.	7 a.m., G.M.T.: Weather.	7 a.m., G.M.T.: Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Spitzbergen	1011·1	37	E	2	0	1012·0	-2	7	-3	NW	4	*	0	*	*	14	5
Vardö	1006·6	28	WSW	5	b	1005·0	?	34	+4	N	4	-	bc	2	*	34	19
Bodö	1011·7	39	SSW	9	r	1011·8	0	43	+9	SW	8	-	r	6	7	41	32
Christiansund	1023·5	43	W	3	b	1026·2	-2	43	+2	0		W	b	4	-	49	36
Skudesnaes	1026·9	46	SSE	3	b	1022·7	-1	48	+3	ESE	4	-	b	2	-	48	41
Haparanda	1014·7	34	S	4	0	1011·4	0	39	+7	SW	4	-	0	*	-	41	30
Hernosand	1022·4	48	-	0	b	1022·0	0	48	+9	-	0	-	b	*	-	52	30
Stockholm	1026·6	48	WSW	2	b	1026·9	0	48	+7	WSW	2	-	b	*	-	52	36
Wisby	1030·1	41	SW	2	b	1032·0	+1	46	+7	WSW	4	-	b	*	-	48	37
Karlstad	1027·3	48	SSW	2	b	1028·7	0	43	0	SW	2	-	b	*	-	52	32
Lisbon	1010·0	59	ESE	3	r	1010·4	+2	59	0	S	2	-	b	5	14	66	59
Rome	1024·0	63	-	0	bc	1021·2	0	57	+2	NW	1	-	0	*	-	73	57
Horta						1007·0	+2	60	+1	WNW	3	*	c	2	2	66	57

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	-	58	40	b	bc	1·1
Scotland.	Barff	-	59	41	o.c	b	6·4
Scotland.	St. Andrews	-	54	42	*	*	2·4
Scotland.	Carnoustie	-	50	40	-	-	3·8
Eng., N.E.	Harrogate	2	61	40	o.c.bc	c. o	2·0
Eng., N.E.	Scarborough	*					
Eng., N.E.	Skegness	.	55	41	o.c. bc	bc	8·6
Eng., N.W.	Morecambe	2	57	46	o.bc	bc	4·2
Eng., N.W.	Blackpool	2	61	45	oc.c	c.bc	5·2
Eng., N.W.	Southport	3	63	44	c.bc	c	6·0
Midlands.	Buxton	2	62	42	bc.r	bc	2·9
Midlands.	Leamington Spa	1	67	46	op.c	o.c	1·6
Midlands.	Malvern	1	63	47	c	c	2·3
Midlands.	Ross-on-Wye	3	65	47	om	bc.c.b.oc	1·1
Wales.	Rhyl	4	61	46	bc	r	5·4
Wales.	Colwyn Bay	5	58	45	o	bc.o	4·7
Wales.	Llandudno	4	59	47	-	-	3·4
Wales.	Aberystwyth	3	59	46	po.c	c.b.o	2·3
Wales.	Tenby	2	59	45	b.bc.o	b	2·8
Wales.	Swansea						
England, E.	Cromer	.	57	43	o.cm.b	b.o.cm	8·4
England, E.	Lowestoft	.	62	43	c.bc	bc.c	10·0
England, E.	Felixstowe	-	59	42	bc	bc	9·1
England, E.	Walton-on-Naze	-	58	43	bc	bc	8·9
England, E.	Southend-on-Sea	-	67	45	bc	bc.b.bc	4·9
England, S.E.	Tunbridge Wells	-	70	42	o3.bc	bc.c.bc	5·3
England, S.E.	Margate	-	58	45	p. 3.bc	bc. c	5·5
England, S.E.	Ramsgate	-	65	45	3	bc3	6·8
England, S.E.	Folkestone						
England, S.E.	Hastings	-	67	49	bc	b	8·2
England, S.E.	Bexhill-on-Sea	-	57	43	c.b.	bc.b	8·6
England, S.E.	Eastbourne	-	65	46	ofbc.b	bc.b.o	6·4
England, S.E.	Seaford	-	63	45	bc	b	5·0
England, S.E.	Brighton	-	60	47	c.bc	bc.o	3·3
England, S.E.	Worthing	0·3	63	44	bc	bc	4·0
England, S.E.	Littlehampton	-	59	*	o.bc	bc.b	4·6
England, S.E.	Bognor	-	59	46	o	bc	5·5
England, S.E.	Southsea						
England, S.E.	Bournemouth	-	65	48	c.bc	bc	9·0
England, S.W.	Weymouth	0·3	61	48	om.bc	bc3	3·7
England, S.W.	Torquay	0·3	58	48	o	c. bc	3·1
England, S.W.	Paignton						
England, S.W.	Falmouth	1	58	48	o.o	c.oc.bc	1·6
England, S.W.	Penzance	3	56	50	c. of	ocm.f	0·0
England, S.W.	Newquay	1	58	48	om.c.oc	oc.c	1·2
England, S.W.	Ilfracombe	1	61	49	o.c.o	o.c.o	2·6
England, S.W.	Weston-super-Mare	1	64	45	o.c.bc	b.bc.b	3·5

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday. %	Humidity. 9 a.m. To-day. %	Sunshine for Yesterday. Hr.	Temperature. In Screen. Max. °F. (24 hours ended 9 a.m. To-day.)	Temperature. In Screen. Min. °F. (24 hours ended 9 a.m. To-day.)	Temperature. Min. on Grass. °F. (24 hours ended 9 a.m. To-day.)	Rainfall. mm.§ (24 hours ended 9 a.m. To-day.)	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
Greenwich (Royal Obsy.)	53	69	4·3	73	48	37	-	c	bc. ct	c.l
City (Bunhill Row)	*	*	4·7	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	54	73	3·0	70	49	43	-	bc.	bc.uclm	bm
Camden Sq. (Brit. Rainfall)	51	77	4·9	73	51	46	trace	bg.c	c	*
Hampstead (Reservoir)	*	67	5·9	68	50	34	-	bc	bm	bm
Richmond Park	*	*	5·3							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	51	61	2·6							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1101 Joules	20·5 Milliwatts.	58 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain fall. mm.§	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Night Min. on Grass. F.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday. Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.	5	62	44	42	c.o.r	bc	bcapll	3·2
Manchester ,,	4	65	51	*	c3	oc.c	oc.c	2·1
Birmingham ,,	-	65	45	44	*	o.b.c	c.o	2·0
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.	-	53	49	47	fe	f	f. bc	
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	-	71	49	40	bc.o	bm.c	c.ou	*

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

6th & 7th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·16 / 4·14	11·50 / 11·49	7·24 / 7·25
Greenwich	4·26 / 4·24	11·57 / 11·56	7·28 / 7·29
Wick	4·10 / 4·7	12·9 / 12·8	8·8 / 8·10
Valencia	5·5 / 5·3	12·38 / 12·37	8·10 / 8·11

NOTES ON YESTERDAY'S WEATHER.

Temperature exceeded 60° in many districts and touched 72° in London. Slight rain fell locally, and thunderstorms occurred in various parts of England. Sunshine varied greatly, from none at Castlebay, Penzance and Spurn Head to 10⅛ hours at Clacton-on-Sea.

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.

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

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 127. {Friday, 7th May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1014·6	48	S	1	bcm	1016·0	+1	46	+4	SSW	2	-	fbz	1	-	48	41	of	f.bm	f	*
	Deerness ...	1014·5	49	SE	1	b	1017·9	*	49	+6	W	3	W	bz	1	-	52	44	f.bc.b	b	bm b	8·1
	Stornoway ...	1014·9	56	NW	3	bcz	1019·1	+3	50	+1	NW	2	-	cz	2	-	57	45	oz.c	c.bcz	bc.oz	5·4
	Castlebay (Barra Isd.)	1014·8	54	-	0	bm	1019·2	+2	49	0	NW	3	NW	cm	3	-	56	46	bc.cm	o.bm	bcm	7·2
	Glasgow ...	1014·4	61	SW	2	c	1018·7	+2	49	+3	-	0	SW	o	*	-	65	46	b.bc.cz	bc.bz	c-o	8·9
	Eskdalemuir ...	1014·8	57	SW	3	bm	1019·2	+2	43	-4	SE	1	-	cm	*	-	64	40	bcm.cm	cm.bcm	bcm.cm	10·0
	Malin Head ...	1015·0	54	NE	1	cz	1019·0	+2	50	+2	NNE	2	-	cm	2	-	59	48	bz	bcz	cm	10·5
	Blacksod Point	1016·6	52	SSW	1	bcz	1018·7	+3	50	-2	NNW	2	N	cm	2	-	58	46	bcz	bcz	bc.cm	*
	Valencia ...	1015·6	55	SW	1	c	1018·4	+2	52	+2	ENE	1	E	o	2	-	58	50	o	o.c	c.o	0·3
	Roche's Point	1016·5	53	SE	1	o	1018·7	*	48	-2	NNE	1	-	f	1	1	54	46	fc.o	f.o	fc	*
	Birr Castle ...	1015·3	56	SSE	1	o	1019·1	*	50	-2	SSE	1	-	o	*	-	57	49	o	o	c.o	0·0
	Donaghadee ...	1014·7	58	NW	1	bcm	1018·5	+3	48	+2	NW	2	NW	bcm	1	-	62	46	bcm	bcm	ombcm	*
	Liverpool (Bidston)	1016·3	52	NW	1	b	1018·5	+2	50	-1	-	0	-	c	1	-	57	48	bc	bc	o. bc	5·2
	Holyhead ...	1016·2	53	SSW	3	ov	1018·5	+2	48	+1	N	1	-	bf	0	-	59	44	f.opd.o	c.o.bc.c	a.bcfc	1·1
	Pembroke (St. Ann's)	1016·2	50	NW	1	bc	1017·1	+1	55	+7	NE	1	-	bc	2	-	55	46	f	f	bcf	2·5
	Scilly (St. Mary's)	1014·5	53	NE	2	cm	1014·5	0	51	0	NE	3	SE	bc	3	1	57	50	f	f.cm	cm c	1·2
	Falmouth ...	1014·0	61	N	3	b	1015·9	+1	58	+7	N	3	N	b	2	-	64	51	f.c	a.b	b	5·6
	Jersey (St. Aubin)	1013·7	64	N	3	b	1013·8	*	59	+6	E	3	-	bm	2	-	69	52	bc.c	b	obmw	11·4
	Portland Bill ...	1014·3	58	WSW	2	b	1015·0	+1	57	+5	NE	3	-	b	2	-	62	51	bc	bc.	b. bc	*
	Dungeness ...	1014·3	53	ESE	1	o	1015·1	+1	54	+2	ENE	3	E	cz	3	-	60	50	cm.bc	bc.o	b.bz	*
	Dover	1015·8	56	-	0	b	1016·8	+2	59	0	NNE	1	-	bz	1	-	66	52	zbl.c	c.bc.b	b	6·6
	Wick	1014·7	50	E	0	m	1018·6	+2	47	+4	SW	1	-	m	2	0·1	52	42	fc.bm	bmbcm	bcm cm	*
	Nairn	1014·0	60	E	2	bz	1018·7	*	49	+2	-	0	-	bcm	0	-	64	41	bz	bz	bcmw	11·8
	Aberdeen ...	1014·4	55	-	0	c	1018·9	+2	49	+1	NW	3	-	b	2	1	59	43	o.c.o	ep.cm	bcm.bw	0·9
	Leith	1013·7	53	ENE	1	o	1018·3	+2	52	-3	W	1	SW	cz	*	3	63	47	bc. c	ocz.oc	o	*
	Tynemouth ...	1014·6	51	SW	1	om	1018·1	+3	50	+2	NW	2	N	cm	2	-	54	47	om	om	cm	*
	Spurn Head ...	1016·7	51	SSE	1	r	1019·9	+4	52	+1	-	0	-	bcfw	2	3	55	47	o tbr	bc tbr	o	4·4
	Yarmouth ...	1015·5	52	E	1	c	1018·5	+3	48	+5	-	0	-	fc	0	0·4	58	46	bcm	bm.cp	fc	7·7
	Clacton-on-Sea	1015·0	53	ENE	2	cm	1017·4	+1	50	-2	NE	1	-	f	1	-	54	49	f.bcm	bc.cm	cmf	4·5
	Nottingham ...	1014·8	66	W	1	bc	1018·2	*	51	-1	SE	1	SE	cm	*	-	70	43	o. cm	c. bcm	c.bm	8·5
	Bath	1014·7	67	NW	2	bc	1016·8	*	55	+4	-	0	-	m	*	-	70	47	m.o.c.bc	b.bc.	bc.c.om	9·1
	London (Kew Obsy.)	1013·6	69	E	1	o	1017·1	+3	55	-1	NE	1	-	bm	*	1	73	52	bcm.bz.bc	bc.o	opltr.bm	10·2
ICELAND, FAEROE, &c.	Spitsbergen ...	1004·4	5	SE	2	b	?1006·7		0	+2	SE	2	*	b	*	*	7	-9				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1003·2	37	N	5	o	1007·5	+3	39	+3	SW	1	-	b	2	*	39	28				
	Bodö	1010·1	41	SW	7	r	1013·1	+3	39	-2	SW	3	-	c	2	26	41	36				
	Christiansund	1015·0	46	W	2	o	1014·7	0	45	-1	-	0	-	o	4	1	54	45				
	Skudesnaes ..	1015·5	46	E	2	r	1017·1	+2	48	0	-	0	-	m	2	7	48	46				
	Færder (X'ianiaFjord)	1018·0	45	SSE	1	o	1016·7	0	48	+3	ENE	1	-	o	1	Trace	50	45				
	The Scaw (Skagen)	1017·9	48	SSE	1	o	1015·8	0	50	+4	SE	1	-	o	0	-	52	46				
	Blaavands Huk	1015·7	50	SE	1	r	1016·8	+2	48	+2	NNW	1	-	f	0	1	59	46				
	Haparanda ...						1014·4	+1	37	-8	SSW	2	SW	bc	*	-	46	30				
	Hernösand ...	1015·4	52	S	2	b	1015·4	0	48	-4	-	0	W	bc	*	-	54	37				
	Stockholm ...	1021·5	48	SSW	4	b	1017·7	-2	50	0	SSW	2	-	o	*	-	57	36				
	Wisby	1022·9	48	S	2	b	1017·3	-3	52	-2	SE	4	SW	bc	*	-	55	39				
	Karlstad	1018·1	57	-	0	b	1016·4	?	46	+1	-	0	-	o	*	-	64	41				
	Petrograd (5 a.m. G.M.T.)	1025·1	45	WNW	2	b	1027·5	0	46	+9	S	2	W	b	*	-	50	36				
FRANCE, &c.	The Helder ...	1015·1	57	NE	1	b	1018·3	+2	55	0	ENE	1	-	b	0	-	63	50				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1014·1	60	NE	1	m	1015·5	+1	58	-1	ENE	3	*	c	2	-	64	50				
	La Hève	1015·3	59	-	0	b	1015·5	*	57	+7	E	1	*	m	1	-	63	54				
	Ushant							*					*									
	Brest (St. Mathieu)	1013·5	64	NE	2	bc	1013·1	0	55		E	2	*	b	2	-	68	52				
	Rochefort (Ile d'Aix)	1011·9	65	NE	1	c	1012·8	0	62		ESE	3	*	o	*	1	75	59				
	Biarritz	1011·0	64	-	0	o	1010·9	0	66	+4	SE	1	*	bc	1	8	78	59				
	Paris	1013·7	64	NE	2	b	1014·9	0	61		NE	2	-	o	*	2	73	55				
	Belfort							*					*		*							
	Lyons							*					*		*							
	Nice	1021·0	58	SW	2	c	1019·7	0	62		-	0	*	o	2	Trace	68	55				
	Perpignan ..	1015·8	59	S	3	o	1016·6	0	63	0	E	2	E	o	*	Trace	72	57				
	Sanguinaire ...	1014·6	64	N	4	o	1014·6	*	70	+8	E	1	*	b	2	-	79	57				
SOUTHERN EUROPE.	Corunna (7 a.m.)																					
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar	1012·2	62	E	2	o	1013·2	*	60		W	5	*	b	2	7	64	59				
	Rome														*							
	Azores (Horta, 8 a.m.)	1014·7	*	NW	4	b							*									
	Madeira (Funchal)	1013·7	66	N	4	bc	1017·1	+2	59	0	NW	3	-	b	3	-	65	59				

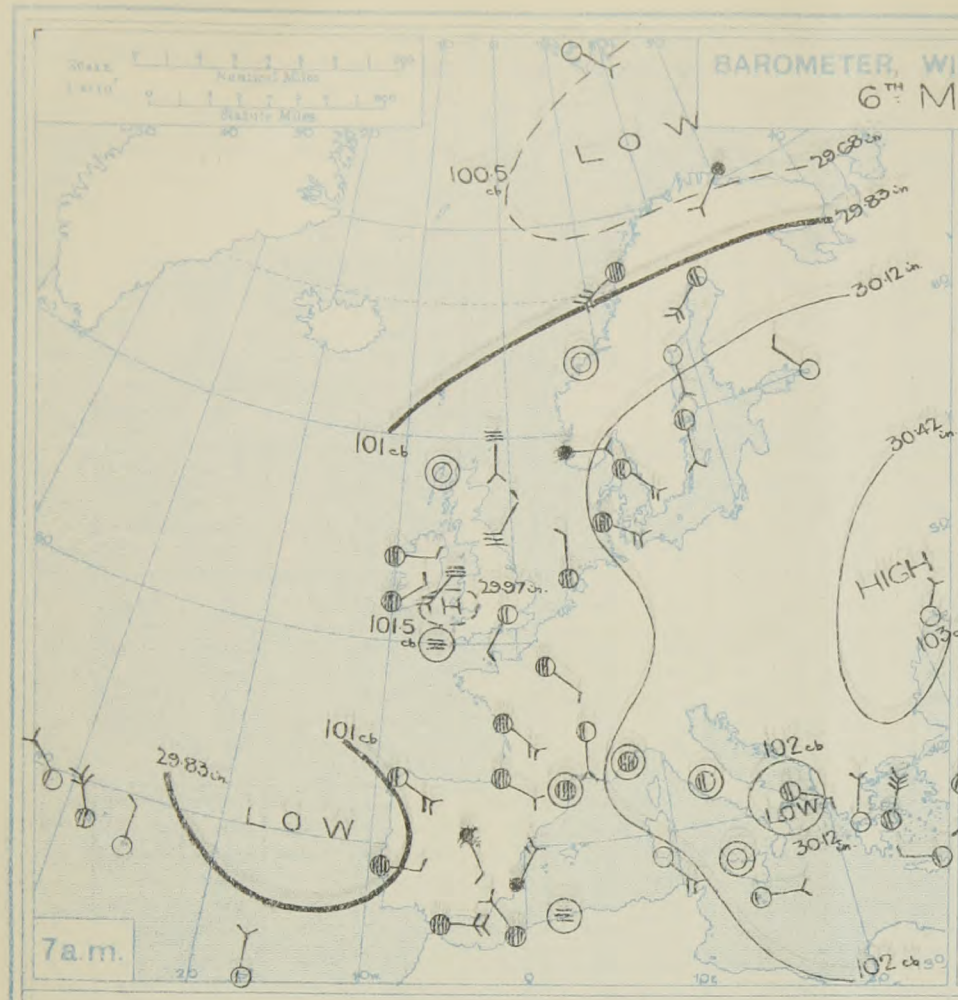
RAINFALL.

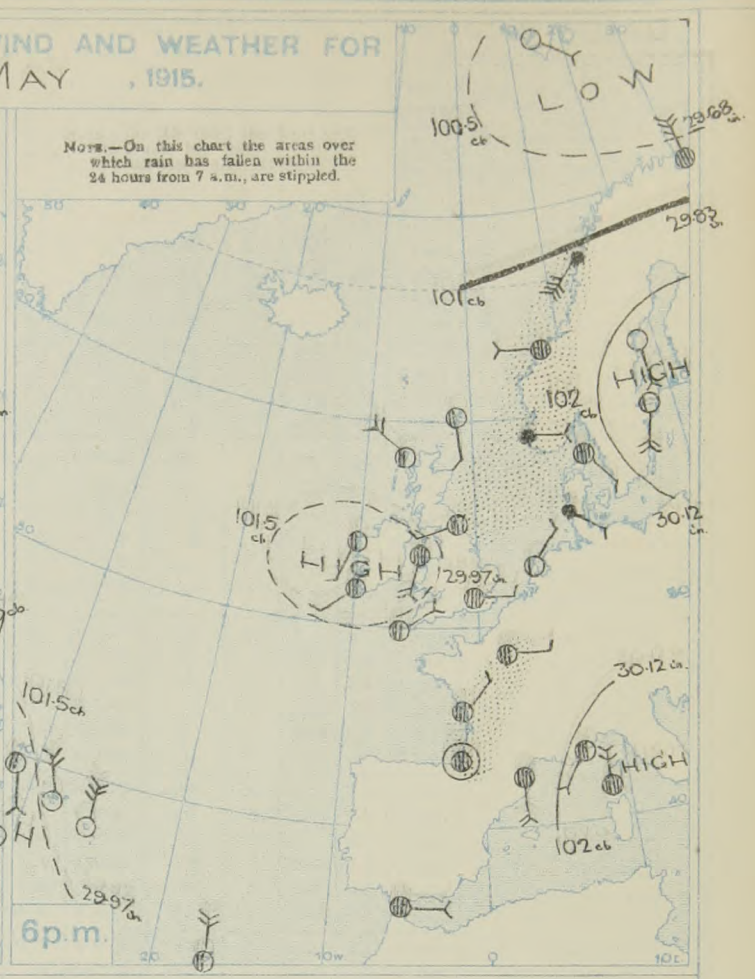
Equivalents of Millimetres in Inches.

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

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

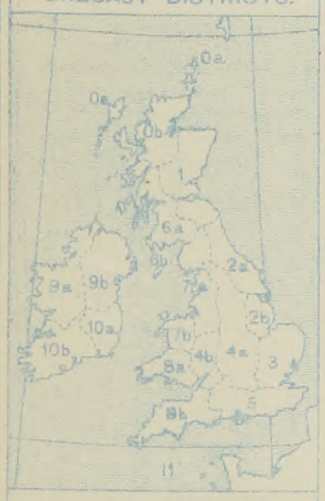
BAROMETER, WIND AND WEATHER FOR 6TH MAY, 1915.





FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

FORECAST DISTRICTS.



0	a	Calms and light variable airs; fine to cloudy, mist
	b	
1		
2	a	
	b	
3		
4	a	
	b	
5		or fog in places; temperature above the normal
6	a	
	b	
7	a	
	b	
8	a	
	b	
9	a	
	b	
10	a	
	b	
Western Channel and Bay	11	Light South-Easterly to Easterly breezes; slight sea; fine to cloudy, some mist or fog; moderate warmth

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.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

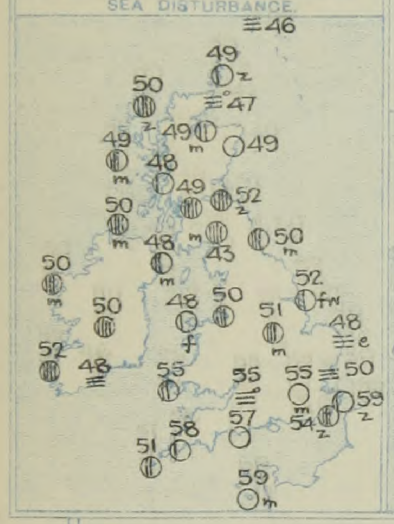
Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., FRIDAY, 7TH MAY, 1915.

GENERAL INFERENCE.

The conditions are likely to remain of the same quiet character.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

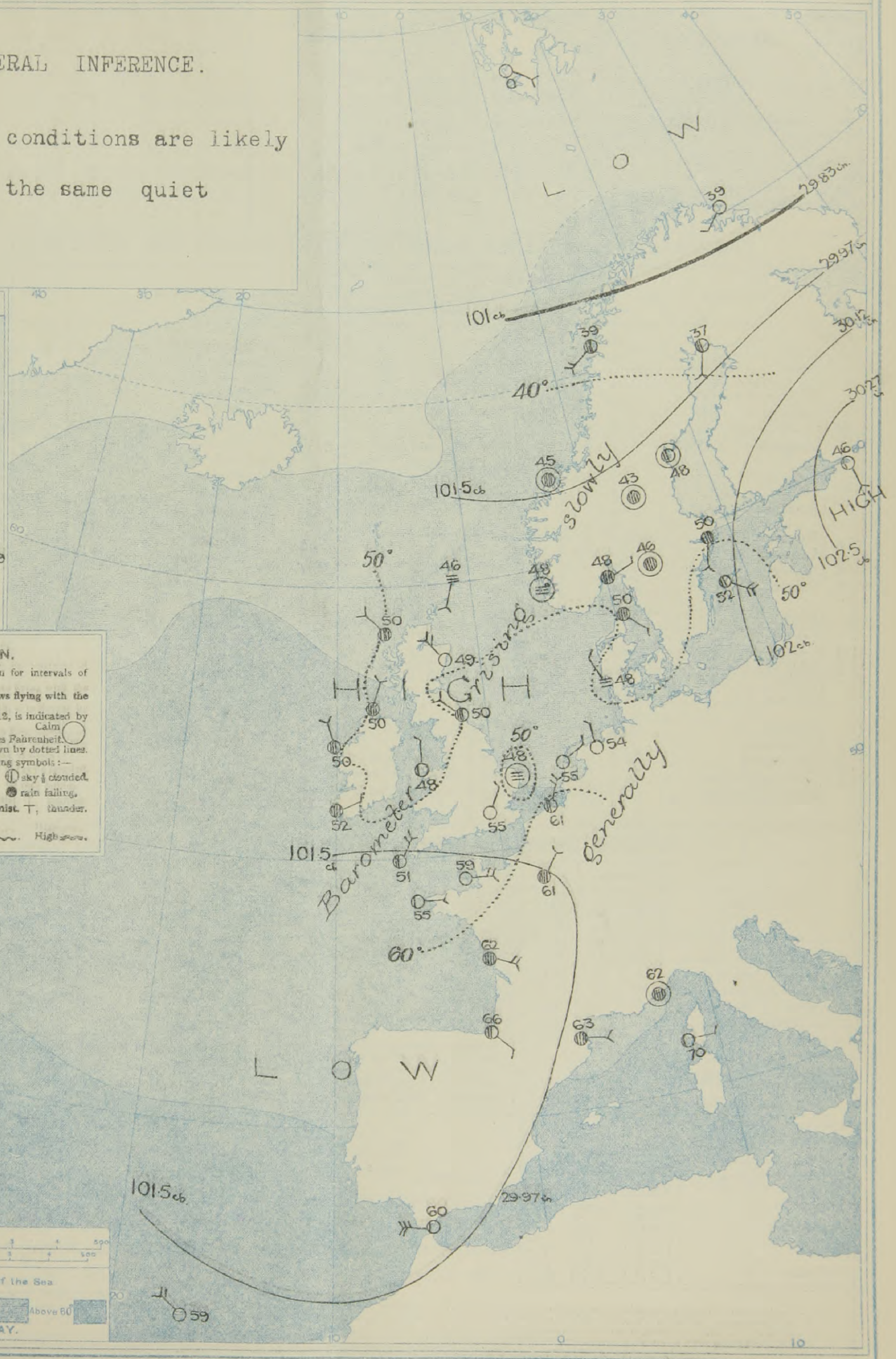
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

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

WEATHER.—Shown by the following symbols:—
○ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ⦶ rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder. ⊤ϟ thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈≈.



Scale 1 : 2×10⁶
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.

DAILY WEATHER REPORT. Friday, 7th May 1915.

REPORTS FOR YESTERDAY.

6th May

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Haparanda	1013·3	43	SW	4	b	1013·9	0	45	+6	SW	4	SW	bc	*	-	54	37
Hernosand	1019·3	45	SW	2	b	1019·0	0	52	+4	S	2	-	b	*	-	57	37
Stockholm	1024·8	48	SW	2	bc	1025·1	+1	50	+2	S	2	W	bc	*	-	57	37
Wisby	1029·0	45	SSW	4	b	1027·7	-1	54	+8	SW	4	SW	b	*	-	55	39
Karlstad	1024·8	50	W	2	bc	1023·8	-1	45	+2	SE	2	-	bc	*	-	55	34
Rome	1021·0	64	-	0	0	1021·5	+1	57	0	-	0	-	bc	*	-	73	57

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	-	61	40	b	b	12·0
Scotland.	Banff	-	61	45	bc3	bc3	6·9
Scotland.	St. Andrews	-	54	44	*	*	7·2
Scotland.	Carnoustie	-	56	44	-	-	4·0
Eng. N.E.	Harrogate	-	64	43	c.bc	bc.b	6·0
Eng. N.E.	Scarborough	*					
Eng. N.E.	Skegness	4	55	49	o.bcm	bc.b.o	7·9
Eng. N.W.	Morecambe	1	55	47	bc.b	b.bc	8·3
Eng. N.W.	Blackpool	-	56	47	c	c.bc	4·1
Eng. N.W.	Southport	-	57	48	o.c.bc	bc	5·4
Midlands.	Buxton	-	63	45	b	b	9·3
Midlands.	Leamington Spa	0·3	70	51	c.bc	bc	9·2
Midlands.	Malvern	-	68	51	bc	bc	8·0
Midlands.	Ross-on-Wye	-	71	46	bcm	bc3	9·0
Wales.	Rhyl	-	61	46			3·8
Wales.	Colwyn Bay	-	54	46	bc	bc	1·0
Wales.	Llandudno	-	53	44	-	-	1·4
Wales.	Aberystwyth	-	55	45	c.bc	c.o	5·7
Wales.	Tenby	-	63	47	b	bc	7·6
Wales.	Swansea						
England. E.	Cromer	-	64	47	o.cm	c.bm	5·0
England. E.	Lowestoft						
England. E.	Felixstowe	-	57	48	bcf	cm	7·0
England. E.	Walton-on-Naze	-	57	48	bc3	bc.cm	3·2
England. E.	Southend-on-Sea	-	68	49	mb	b.bc.c	5·7
England, S.E.	Tunbridge Wells	-	73	48	b	b.b.bc	8·6
England, S.E.	Margate	-	64	48	b.bc	c.b.c	6·2
England, S.E.	Ramsgate	1	65	46	3	o.bc	7·0
England, S.E.	Folkestone						
England, S.E.	Hastings	-	64	54	bc.b	b	11·4
England, S.E.	Bexhill-on-Sea	-	62	48	b	b	12·4
England, S.E.	Eastbourne	-	70	52	b	b3	12·3
England, S.E.	Seaford	-	66	50	b	b	12·0
England, S.E.	Brighton	-	65	50	bc.b	bc.c.bc	11·9
England, S.E.	Worthing	-	67	47	b	bc	11·0
England, S.E.	Littlehampton	-	62	*	b	b	11·0
England, S.E.	Bognor	-	63	46	b	b	11·0
England, S.E.	Southsea	-	71	48	b	b	10·7
England, S.E.	Bournemouth	-	72	48	bc.b	bc	10·8
England, S.W.	Weymouth	-	70	49	bc.b	b.bc	8·1
England, S.W.	Torquay	-	65	49	b.bc	bc.c	7·0
England, S.W.	Paignton	0·3	66	48	bc	p.bc	6·9
England, S.W.	Falmouth	-	65	50	fc	c.b	4·7
England, S.W.	Penzance	-	63	51	c.b	bc.b	3·8
England, S.W.	Newquay	-	56	50	ov.cm	of.bcf	1·5
England, S.W.	Ilfracombe	-	60	50	fc	c.bc.b	6·8
England, S.W.	Weston-super-Mare	-	62	48	b.bc	b	8·5

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	24 Hours ended 9 a.m. To-Day. °F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	64	71	5·7	74	50	38	-	bc. c	bc. c	bl. p
City (Bunhill Row)	*	*	4·9	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	51	71	7·3	74	52	49	21	bc. bc	bc c.	c.br.b
Camden Sq. (Brit. Rainfall)	51	74	5·4	78	52	48	18	b3 b	bc. c	*
Hampstead (Reservoir)	*	74	9·9	74	49	42	20	bc	oc th	bc
Richmond Park	*	*	9·7							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	41	63	8·9							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1694 joules	356 Milliwatts.	72 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	-	58	49	47	c.f.o	o	o	*
Darwen to 9 p.m.	-	62	45	41	o.bc	bc	bc	7·8
Manchester ,,	Trace	64	48	*	c	c.b	b.c	7·0
Birmingham ,,	-	70	51	47	*	c	c	6·8
Oxford to 9 p.m.	*							
Teignmouth to 9pm.	0·3	66	49	45	bc	bc	bc.p.bc	6·5
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	-	76	52	43	c.bc	bc.	bc.c.o	*

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

7th and 8th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·14 / 4·12	11·49 / 11·49	7·25 / 7·26
Greenwich	4·24 / 4·22	11·56 / 11·56	7·29 / 7·30
Wick	4·7 / 4·4	12·8 / 12·8	8·10 / 8·12
Valencia	5·3 / 5·1	12·37 / 12·37	8·11 / 8·12

NOTES ON YESTERDAY'S WEATHER.

Temperature exceeded 60° in many localities, and touched 76° in central London, where a heavy thunderstorm occurred early in the night, 21 mm of rain falling at Westminster, none or only a slight shower in some suburbs. Sunshine ranged from none at Birr Castle to 12½ hours at Bexhill and Eastbourne.

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

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 128

Saturday, 8th May, 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1023·3	47	NNW	2	bc	1028·6	+1	44	-2	NNW	1	-	bc	1	-	50	36	f.om	bc	b.bc	*
	Deerness ...	1024·4	46	N	4	b	1030·1	*	47	-2	NW	2	NW	bc	1	-	50	38	b.bc.c.o	oc.bc.b	b.bc	3·8
	Stornoway ...	1025·1	48	ENE	4	bg	1030·6	+2	47	-3	ENE	2	.	b	2	1	52	38	odp.c	bc.bg	b	6·0
	Castlebay (Barra Isd.)	1024·1	52	NNW	3	b	1028·4	+1	47	-2	N	4	.	b	4	-	57	42	c.bom.o	o.c.b	b	12·0
	Glasgow ...	1020·6	59	ENE	3	o	1027·8	+4	45	-4	ENE	3	-	o	*	-	66	44	a.c.bc.c	o	c.o	3·3
	Eskdalemuir ...	1020·7	56	NNE	3	om	1027·0	+3	44	+1	NNE	5	-	om	*	0·3	65	43	ome.ou	ugmdp	om.bm	3·3
	Malin Head ...	1022·9	51	N	3	bcm	1026·*	+2	47	-3	N	4	-	b	3	-	53	45	om	bcm	bc	3·2
	Blacksod Point	1021·3	58	NNE	4	bc	1025·5	+2	49	-1	NNE	5	NE	bc	3	-	58	47	bcm	bc	bc	*
	Valencia ...	1018·9	61	N	2	bc	1022·2	+2	58	+6	ENE	4	SW	bg	3	-	63	51	o.c	bc	c.bc	5·3
	Roche's Point	1019·3	58	SE	1	b	1022·1	*	52	+4	NW	1	-	b	1	0·2	61	43	f.bc.b	b	b	*
	Birr Castle ...	1019·8	64	NE	1	c	?1025·2	*	47	-3	N	1	.	b	*	-	67	40	c	c	b	6·8
	Donaghadee ...	1019·8	52	N	4	cm	1025·2	+4	47	-1	NNE	4	N	bcm	4	-	55	46	bcm	cm	cm.bcm	*
	Liverpool (Bidston)	1019·6	53	NNW	1	b	1023·2	+3	52	+2	ENE	2	-	b	2	-	58	49	bc	b	bm	10·8
	Holyhead ...	1020·3	55	N	3	bg	1022·1	+1	50	-2	N	2	-	bm	0	-	61	47	bf.bc.b	bg	bl.bcm	13·7
	Pembroke (St. Ann's)	1017·3	56	N	4	bc	1021·0	+2	58	+3	NE	2	-	bm	2	-	66	54	bc	b	bc	11·2
	Scilly (St. Mary's)	1015·6	56	ENE	3	bcm	1016·9	+1	55	+4	ENE	3	-	om	3	-	61	52	cm	bcm	bcm.cm	7·8
	Falmouth ...	1015·2	63	NE	3	b	1016·9	+2	58	0	N	2	N	c	2	-	67	55	b	b	b.b.bc.c	12·5
	Jersey (St. Aubin)	1014·4	69	NE	3	c	1015·4	*	59	0	E	3	-	om	3	1	?69	57	bc.c	c	c.o.b.om	7·9
	Portland Bill ...	1016·2	57	ENE	3	bc	1017·5	+2	58	+1	NE	5	-	b	3	-	62	53	b.bc	bc	bc	*
	Dungeness ...	1017·1	56	NE	3	c	1018·7	+2	52	-2	ENE	4	E	c	3	-	62	50	c	c	c.o.c	*
	Dover	1017·6	56	NE	5	bc	1020·2	+2	56	-3	NNE	4	NE	b	4	-	66	50	b.bc	c.bc.c	c.bc.b	8·8
	Wick	1024·4	47	NNW	2	c	1030·7	+2	43	-4	WNW	2	-	bc	2	-	51	35	cm.om	om.om	om.bc	*
	Nairn	1023·5	49	E	3	cmg	1030·1	*	43	-6	..	0	-	cg	2	Trace	61	42	bcm	cg	ad	6·5
	Aberdeen ...	1023·5	49	NNE	1	o	1030·0	+3	45	-4	N	2	-	o	2	1	60	43	b.bc	c.o	oc	6·3
	Leith	1020·3	52	ENE	2	o	1029·0	+3	46	-6	ENE	3	-	cg	*	-	57	45	c	c.o	o	*
	Tynemouth ...	1020·9	47	NE	2	f	1026·2	+4	46	-4	NNE	2	.	cmd	2	.	57	46	m	cm	cmd	*
	Spurn Head ...	1020·9	53	ESE	2	bc	1025·4	+2	46	-6	E	4	.	f	3	-	59	44	bcm	bc	clt	10·7
	Yarmouth ...	1019·5	52	ENE	2	bm	1023·7	+3	45	+3	NE	4	.	f	2	-	57	45	fc.bm	bm	bcf	10·8
	Clacton-on-Sea	1018·4	58	ENE	3	bg	1021·8	+3	54	+4	NE	3	W	bc	3	-	60	49	f.c.bcg	bc.bg	bg.bc	10·8
	Nottingham ...	1018·0	64	E	2	b	1023·9	*	51	0	NE	2	-	bm	*	-	70	48	cm	c.b	bc	7·5
	Bath	1017·3	60	ENE	1	r	1020·2	*	57	+2	E	4	SW	bc	*	8	73	52	m.bc.b	bc.tbr	xo.c.bc	7·7
	London (Kew Obsy.)	1017·5	65	E	3	b	1021·3	+3	57	+2	ENE	3	E	bg	*	-	72	55	bg.b.bc	b.bc.b	b.bg	11·1
ICELAND, FAEROE, &c.	Spitsbergen ...	1010·7	3	N	1	o	1013·2		9		-	0	*	o	*	*	9	-2				
	Isafjord												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1012·8	36	W	4	b	1011·1	-2	39		NW	1	-	bc	2	*	43	28				
	Bodö	1011·0	37	W	4	x	1015·4	-1	36		SE	1	-	b	1	R	47	32				
	Christiansund	1019·3	43	W	2	o	1025·6	+3	39		WNW	5	-	c	4	8	45	37				
	Skudesnaes ..	1021·1	43	NW	2	o	1024·7	+3	45		NNW	6	-	b	2	-	48	43				
	Færder (X'tania Fjord)	1016·7	48	WSW	2	b	1019·1	+2	52		NNW	2	-	b	1	-	54	46				
	The Scaw (Skagen)	1018·1	52	WNW	2	b	1019·7	+3	50	0	W	2	-	b	1	-	57	43				
	Blaavands Huk	1020·4	45	NNW	1	f	1023·4	+1	43	-3	NNW	2	-	m	3	-	52	41				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1019·8	55	NE	3	b	1024·0	+3	50	-5	NE	4	-	o	3	-	59	48				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1016·4	58	ENE	5	o	1018·7	+1	56	-2	ENE	4	*	c	2	-	59	52				
	La Hève	1016·0	66	-	0	b	1014·9	*	59	+2	ENE	3	*	r	2	1	70	52				
	Ushant	1014·9	55	NE	3	m	1013·3	*	54		NE	3	*	o	3	t	68	48				
	Brest (St. Mathieu)	1014·7	68	NNW	1	o	1014·6	0	59	+4	NE	1	*	m	1	1	73	54				
	Rochefort (Ile d'Aix)	1012·3	64	SW	1	tbr	1012·2	0	59	+3	ESE	2	*	o	*	10	84	57				
	Biarritz	1011·4	63	ENE	2	r	1013·7	+3	59	-7	W	2	*	f	1	28	72	57				
	Paris	1014·7	68	NE	2	bc	1016·2	+1	64	+3	NE	1	-	o	*	4	73	59				
	Belfort							*					*		*							
	Lyons	1016·8	67	SSW	2	r	1017·1	*	61		-	0	*	c	*	1	74	56				
	Nice	1017·7	63	-	0	bc	1017·0	+1	64	+2	E	5	*	b	7	-	73	57				
	Perpignan ..	1015·9	61	E	2	o	1015·1	+2	59	-4	-	0	-	o	*	Trace	68	55				
	Sanguinaire ...	1013·2	66	N	1	c	1013·0	*	66	-4	E	2	*	m	3	-	77	56				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1012·6	61	NNE	4	o	1016·2	+3	57	0	NNE	3	-	o	1	1	66	55				
	Madrid (8 a.m.)	1011·8	61	SE	1	c	1013·6	+2	54	.	-	0	-	o	*	4	63	50				
	Lisbon (9 a.m.)																					
	Gibraltar							*					*									
	Rome														*							
	Azores (Horta, 8 a.m.)		*										*									
	Madeira (Funchal)																					

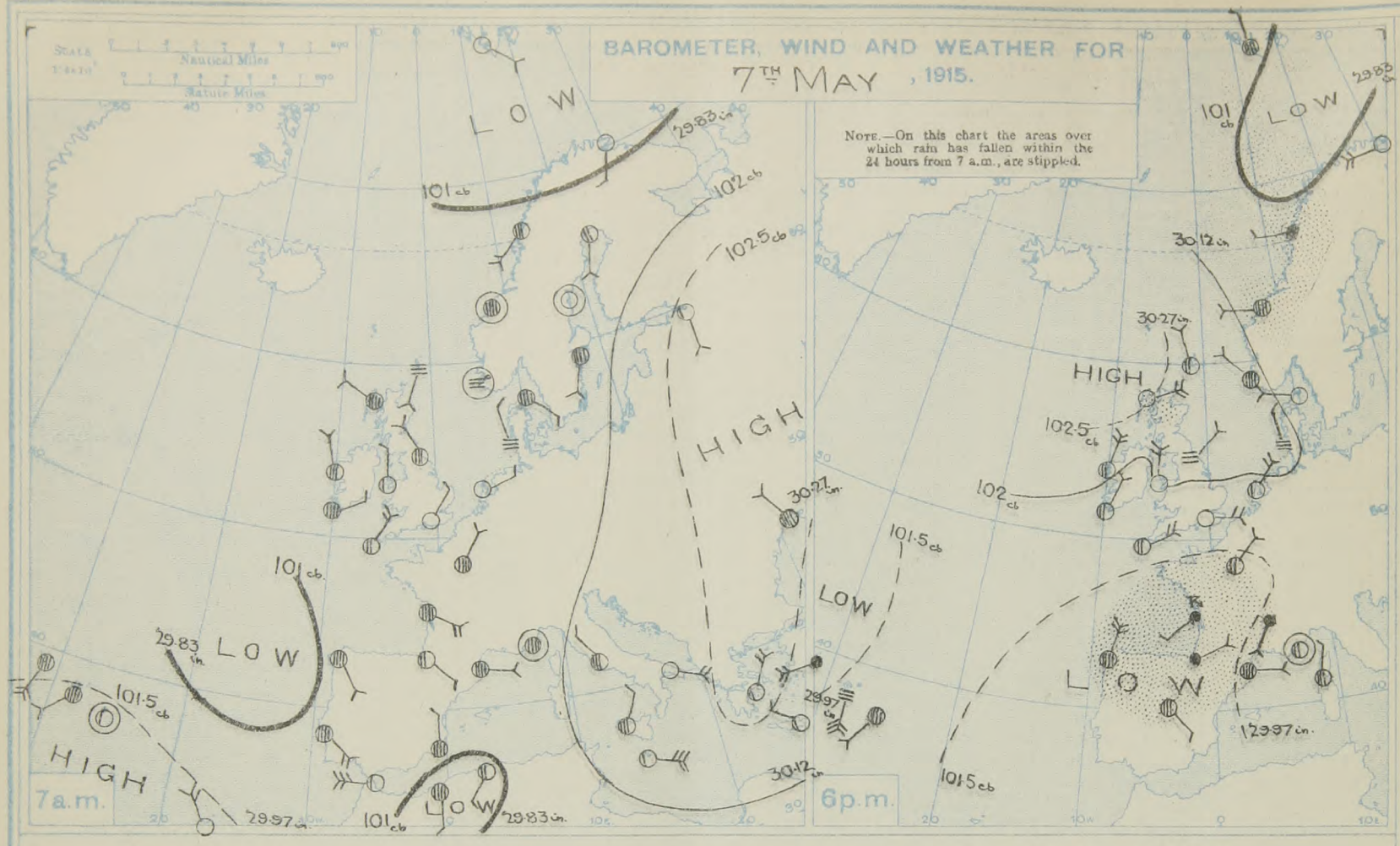
RAINFALL.

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

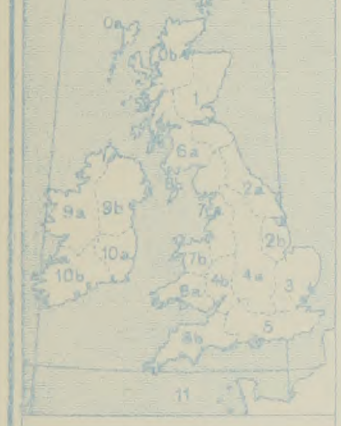
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

BAROMETER, WIND AND WEATHER FOR 7TH MAY, 1915.



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

No warnings issued.

0 (a, b) { Variable breezes; generally fair to fine; moderate temperature.

1, 2 (a, b) } Easterly and North-Easterly breezes, moderate or fresh at times locally; generally fair to fine, local mist; temperature moderate to warm.

3 { Easterly and North-Easterly breezes, fresh at times locally; generally fair to fine, with local mist or fog, doubtful later, perhaps some showers; temperature moderate

4 (a, b) } Same as Nos. 1 and 2 (to warm.

5 Same as No. 3.

6 (a, b), 7 (a, b) } Same as Nos. 1 and 2.

8 (a, b) } Same as No. 3.

9 (a, b), 10 (a, b) } Light North-Easterly and Northerly breezes; generally fair to fine; temperature moderate to warm.

Western Channel and Bay 11 { Light to moderate North-Easterly and Northerly breezes; sea slight to moderate; fair to fine, local mist or fog; moderate temperature.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., SATURDAY, 8TH MAY, 1915.

GENERAL INFERENCE.

Outlook rather more doubtful in the south, otherwise no change of importance is expected.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

EXPLANATION.

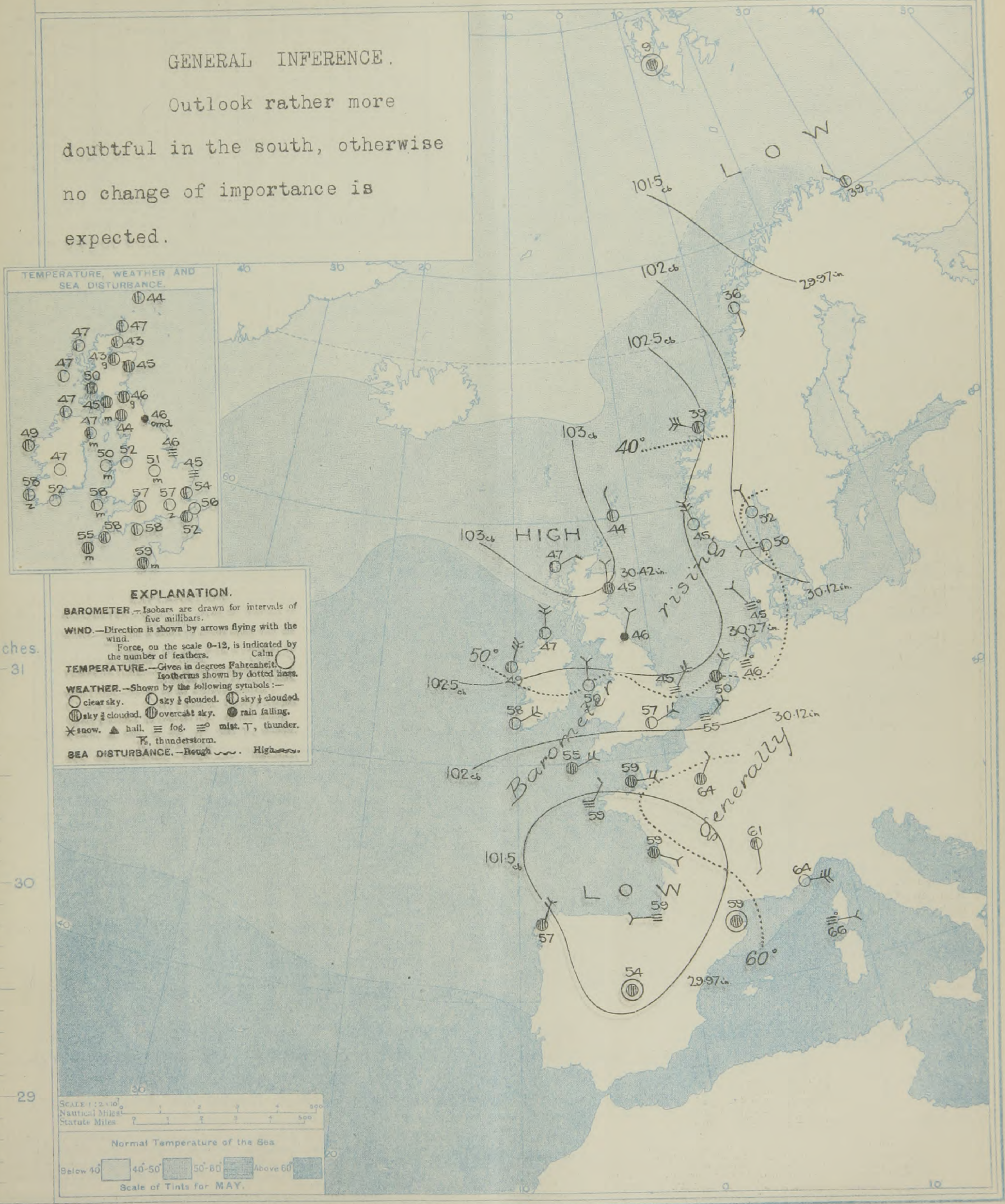
BAROMETER.—Isobars are drawn for intervals of five millibars.

WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers. Calm ○
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols :—
○ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. T, thunder.
Ts, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ~~~.

Mlls. Inches.
31
30
29



DAILY WEATHER REPORT. Saturday 8th May 1915.

REPORTS FOR YESTERDAY. 7th May

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Corunna	1007.5	57	NNW	4	r	1010.4	+2	37	0	SSE	2	-	0	1	5	64	54
Lisbon	1008.6	61	SW	5	0	1010.7	+1	59	0	SE	3	SE	0	6	1	68	59
Malta	*	*	*	*	*	1021.1	0	64	+1	ESE	5	-	b		-	66	61
Rome	1021.5	64	-	0	bc	1021.5	0	55	-2	NW	1	-	c	*	-	74	54
Horta						1015.8	0	60	-1	SW	2	*	0	2	-	68	55

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	-	59	40	b	bc.b	6.2
Scotland.	Banff	-	55	38	cg.bc	cg	3.0
Scotland.	St. Andrews	-	56	29	*	*	4.3
Scotland.	Carnoustie	0.3	55	41	-	-	6.2
Eng. N.E.	Harrogate	-	67	45	b.bc	b.bc.c.o	8.3
Eng. N.E.	Scarborough	*					
Eng. N.E.	Skegness	-	56	44	o.bc	bc.b	11.5
Eng. N.W.	Morecambe	-	62	48	bc.b	b	8.4
Eng. N.W.	Blackpool	-	58	40	bc	b	9.1
Eng. N.W.	Southport	-		42	c.o.bc	b	8.6
Midlands.	Buxton	-	67	41			3.6
Midlands.	Leamington Spa	3	72	47	c.bc	c.bc tlp	4.3
Midlands.	Malvern	-	71	51	bc	bc	7.7
Midlands.	Ross-on-Wye	-	71	46	bc	bc.cl	8.1
Wales.	Rhyl	-	57	43	bc.c	b	9.0
Wales.	Colwyn Bay	-	56	41	bc	b	8.6
Wales.	Llandudno	-	58	42	-	-	9.0
Wales.	Aberystwyth	-	55	43	o.cb	b.bc	11.5
Wales.	Tenby	-	71	53	b	b	11.5
Wales.	Swansea						
England. E.	Cromer	-	62	48	c.b.f	bm	12.0
England. E.	Lowestoft	-	56	46	c.bc	bc.b	8.5
England. E.	Felixstowe	-	58	47	bm	bm	10.6
England. E.	Walton-on-Naze	-	57	47	bg	bc.b	10.2
England. E.	Southend-on-Sea	-	69	49	b	b	13.0

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England. S.E.	Tunbridge Wells	-	72	50	bc.b	b	12.8
England. S.E.	Margate	-	56	48	bc	c.b	10.6
England. S.E.	Ramsgate	-	62	52	bc	bc	10.2
England. S.E.	Folkestone						
England. S.E.	Hastings	-	69	54	bc.b	b	9.7
England. S.E.	Bexhill-on-Sea	-	69	52	cg.b	b	8.6
England. S.E.	Eastbourne	-	65	51	b.bg	bg	10.2
England. S.E.	Seaford						
England. S.E.	Brighton	-	74	50	cl.c.b	blc	11.1
England. S.E.	Worthing	-	70	46	bc	bc	10.8
England. S.E.	Littlehampton	-	65	*	b	b	11.5
England. S.E.	Bognor		65	*	b	b	10.6
England. S.E.	Southsea	-	70	50	b	b	11.1
England. S.E.	Bournemouth	-	71	50	b	b.bc	11.5
England. S.W.	Weymouth	-	69	55	b.bc	bg	11.5
England. S.W.	Torquay	-	68	52	b	b	12.3
England. S.W.	Paignton	-	67	52	b	b	12.8
England. S.W.	Falmouth	-	67	50	b	b	12.2
England. S.W.	Penzance	-	70	53	b	b	12.8
England. S.W.	Newquay	-	62	48	bg	bg	12.0
England. S.W.	Ilfracombe	1	65	50	bcp.c	c.bcg	5.5
England. S.W.	Weston-super-Mare	-	72	49	b.bc.b	b.bc.b	9.0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
				Hours ended 9 a.m. To-day.						
Greenwich (Royal Obsy.)	63	68	10.6	71	61	43	-	b	b	b
City (Bunhill Row)	*	*	11.2	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	62	64	11.2	71	53	48	-	b	b.bc	b
Camden Sq. (Brit. Rainfall)	62	65	10.7	76	51	45	-	b	b	
Hampstead (Reservoir)	*	60	12.0	70	50	40	-	bc	bc	bc
Richmond Park	*	*	11.0							
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.
1844 Joules	340 Milliwatts.	67 Milliwatts.

S. Kensington (Roof of M.O.)	50	75	10.9

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	-	66	43	39	bc.w	bc	bc.o	10.2
Darwen to 9 p.m.	Trace	69	48	*	c.b.w.m	o.c.o	o.p.rt	2.4
Manchester ,,					*			
Birmingham ,,								
Oxford to 9 p.m.	*							
Teignmouth to 9pm.	-	69	52	48	b.b	b	b	12.6
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	20	72	53	47	tbr.	bg.b	b	*

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

8th and 9th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.12 / 4.10	11.49 / 11.49	7.26 / 7.28
Greenwich	4.22 / 4.21	11.56 / 11.56	7.30 / 7.31
Wick	4.4 / 4.2	12.8 / 12.8	8.12 / 8.14
Valencia	5.1 / 5.0	12.37 / 12.37	8.12 / 8.14

NOTES ON YESTERDAY'S WEATHER.

Temperature reached 70° and upwards at several English stations, 74° at Brighton. Thunderstorms with a little rain occurred in various parts of England. Bright sunshine ranged up to 13.7 hours at Holyhead.

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.

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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 129. Sunday 9th May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1034·5	42	ENE	3	o	1036·3	o	42	-2	–	o	–	bc	o	1	45	36	bap	o	c.bc	*
	Deerness ...	1033·8	45	ENE	2	bc	1036·9	*	45	-2	ESE	3	E	bc	2	–	50	39	bc.c	c.bc	bc	3·9
	Stornoway ...	1034·3	48	NE	5	bzg	1035·4	o	47	o	NE	1	–	b	1	–	51	36	bg	bzg	b.	13·4
	Castlebay (Barra Isd.)	1031·4	49	NNE	5	b	1033·8	o	48	+1	E	3	–	b	3	–	53	44	b	b	1.	14·1
	Glasgow ...	1031·9	45	ENE	4	o	1035·2	+1	43	-2	ENE	4	3	c	*	–	47	41	o	o	o.c	0·0
	Eskdalemuir ...	1031·7	42	NE	5	omeq	1035·5	+1	42	-2	NE	3	N	o	*	–	46	40	ome	omeq	omeq.o	0·0
	Malin Head ...	1029·3	52	NNE	1	bz	1032·0	o	46	-1	E	3	E	om	4	–	54	44	bcm	bz	c.m	13·7
	Blacksod Point	1027·3	52	NNE	4	b	1029·0	o	52	+3	SE	3	SE	bc	3	–	54	47	bc	bq	bc.bcm	*
	Valencia ...	1023·7	66	NE	3	b	1027·5	+2	53	-5	NE	1	SW	bcz	2	–	68	50	bz	bz	bz.beq	13·5
	Roche's Point	1024·7	66	ESE	2	b	1029·2	*	53	+1	ENE	3	–	b	2	–	69	51	bz	bz	bz	*
	Birr Castle ...	1026·2	59	NE	2	m	1030·4	*	48	+1	NE	2	–	m	*	–	64	46	c.o	3	f	7·2
	Donaghadee ...	1029·0	49	ENE	3	ogm	1032·6	o	46	-1	E	3	–	om	3	–	51	46	cm	ogm	om	*
	Liverpool (Bidston)	1026·6	58	E	4	b	1032·5	+2	47	-5	E	2	E	bc	2	–	64	44	bm	bm	bc.	9·5
	Holyhead ...	1024·2	59	E	6	bmq	1030·1	+2	49	-1	E	6	–	cm	5	–	65	47	b.bc.cm	bc.bm	b.bc.c.o	11·5
	Pembroke (St. Ann's)	1023·1	63	N	2	bc	1028·7	+3	50	-8	ENE	2	E	bc	2	–	71	47	bm	bcm	bcm	11·3
	Scilly (St. Mary's)	1019·5	59	E	4	cm	1024·2	+2	53	-2	E	5	E	cm	4	–	62	51	cm	cm	cmq.bc	2·7
	Falmouth ...	1019·9	61	ENE	3	bc	1024·2	+2	53	-5	E	4	–	bc	4	–	66	52	oz	o.c.bc	bc	0·8
	Jersey (St. Aubin)	1017·2	58	ENE	5	ogm	1022·3	*	51	-8	NE	6	–	o	4	3	61	50	omr	or.c.og	o.o	0·6
	Portland Bill ...	1019·8	58	ENE	4	bc	1025·6	+3	50	-8	NE	6	–	b	4	–	61	48	bc	bc	b.	*
	Dungeness ...	1022·0	52	ENE	5	c	1027·3	+3	50	-2	NE	5	NE	beq	5	–	57	47	c.bc	bc	b.bcq	*
	Dover	1023·1	48	NNE	6	om	1028·3	+3	50	-6	NNE	6	–	b	6	–	58	45	b.bc	bc.b.bc	o.c.bc.b	8·4
	Wick	1034·4	46	NE	1	c	1037·2	+1	45	+2	SE	2	–	bc	2	–	49	42	bcm	cm	cm.bc	*
	Nairn	1033·5	48	E	3	cg	1036·1	*	45	+2	–	o	–	bc	o	–	51	28	c.bc.c	cq	bcac	1·2
	Aberdeen ...	1034·1	46	NE	2	c	1037·0	+1	43	-2	NW	1	–	bc	2	–	49	33	o	o.c	c.bc.b	1·3
	Leith	1032·0	46	ENE	2	o	1035·6	+2	46	o	E	3	E	c	*	–	47	43	cg	cg	o.c.	*
	Tynemouth ...	1031·4	46	ENE	2	o	1035·2	+3	45	-1	E	2	E	c	3	–	47	45	ogm	om.f	c	*
	Spurn Head ...	1029·9	46	E	5	o	1034·9	+4	46	o	E	4	–	ov	4	–	49	42	f.om	om	om.	o·o
	Yarmouth ...	1027·8	47	NE	6	om	1033·0	+4	48	+3	NE	4	–	b	2	–	49	40	f.om	om	b.bc	o·o
	Clacton-on-Sea	1025·1	49	NNE	5	bcm	1030·4	+3	49	-5	NE	5	–	b	4	–	55	46	bc	bcm	bcm.c.b	12·6
	Nottingham ...	1028·5	47	NE	4	o	1033·2	*	45	-6	NE	4	NE	c	*	–	59	42	bc	c.o	o	8·7
	Bath	1022·4	64	ENE	4	c	1029·4	*	49	-8	E	5	E	b	*	–	72	44	bc.b.	bc.cz	c.bc.bq	8·3
	London (Kew Obsy.)	1023·5	64	ENE	3	bc	1030·6	+3	48	-9	ENE	4	–	b	*	–	68	44	bz.bc	bc	bc.b	12·0
ICELAND, FAEROE, &c.	Spitsbergen ...	1015·0	14	N	4	o	1016·3	-2	14	+5	–	o	*	o	*	*	16	7				
	Isafjord												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1007·5	34	N	4	s	1008·3	o	36	-3	NW	2	–	o	3	*	39	32				
	Bodö	1017·2	32	NW	4	s	1023·9	+3	32	-4	NW	5	–	s	2	4	39	30				
	Christiansund	1031·0	36	WNW	4	c	1032·3	+1	37	-2	WNW	4	–	o	4	1	39	32				
	Skudesnaes ..	1028·4	41	NNW	7	b	1032·6	+1	41	-4	NNW	7	–	b	2	–	46	36				
	Færder (X'ianiaFjord)	1023·4	52	NNE	4	bc	1031·1	+2	41	-11	NNE	4	NW	b	1	–	55	36				
	The Scaw (Skagen)	1021·2	52	NNW	1	b	1029·2	+4	45	-5	NE	4	NE	bc	4	–	57	41				
	Blaavands Huk	1024·7	46	NNW	4	b	1026·6	+2	50	+5	NE	2	–	b	4	–	50	43				
	Haparanda ...	1013·2	34	NNW	6	b	1018·7	+2	39	-4	NNW	4	–	b	*	–	50	30				
	Hernösand ...	1021·0	45	N	4	b	1023·3	o	41	-4	N	2	–	b	*	–	54	34				
	Stockholm ...	1020·7	43	NE	2	o	1025·1	+2	41	-13	N	2	W	b	*	–	57	36				
	Wisby	1019·0	46	N	2	o	1024·4	+3	39	-4	N	6	N	bc	*	–	54	37				
	Karlstad	1022·1	52	ENE	4	bc	1029·1	+4	39	-11	NW	4	–	b	*	–	57	30				
	Petrograd (5 a.m. G.M.T.)	1015·9	50	–	o	o	1016·1	+2	43		NW	1	–	o	*	2	63	39				
FRANCE, &c.	The Helder ...	1026·6	48	NE	5	c	1029·6	+1	46	-4	N	5	–	c	4	–	55	45				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1021·7	50	NE	6	m	1027·0	+2	50	-6	ENE	7	*	bc	6	–	57	48				
	La Hève	1017·5	54	NE	3	r	1022·6	*	52	-7	NE	3	*	c	3	4	?	?48				
	Ushant							*					*									
	Brest (St. Mathieu)	1017·9	61	NE	3	o	1018·7	o	55	-4	NE	4	*	o	1	–	70	54				
	Rochefort (Ile d'Aix)	1014·7	63	SW	1	o	1015·9	o	60	+1	E	4	*	r	*	1	70	57				
	Biarritz	1014·6	59	NNW	3	o	1013·9	o	57	-2	ENE	2	*	o	2	6	63	55				
	Paris	1017·2	66	ENE	2	o	1018·1	+2	57	-7	NNE	4	–	b	*	2	73	55				
	Belfort							*					*		*							
	Lyons	1014·4	70	NW	1	thr	1015·9	*	61	o	NNW	2	*	o	*	1	73	59				
	Nice	1014·1	68	E	6	c	1016·0	+2	63	-1	–	o	*	r	7	Trace	72	61				
	Perpignan ..	1015·1	57	W	1	r	1013·7	o	57	-2	NE	1	–	r	*	87	63	54				
	Sanguinaire ...							*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1017·1	59	NNE	5	o	1017·7	o	55	-2	NNW	2	–	f	1	?	61	56				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)	1014·3	64	NNW	4	c	1015·4	+1	57	o	NNW	5	–	o	5	–	66	56				
	Gibraltar							*					*									
	Rome	1015·9	70	W	1	o	1016·0	o	63	+2	–	o	–	o	*	–	72	59				
	Azores (Horta, 8 a.m.)	1017·6	*	S	4	o	1021·5	o	63	o	S	4	*	m	2	–	64	63				
	Madeira (Funchal)	1022·7	66	NW	3	c	1023·5	o	61	o	NE	3	N	c	3	–	68	61				
	Malta	*	*	*	*	*	1014·6	+1	63		ENE	5	–	b	5	–	64	61				

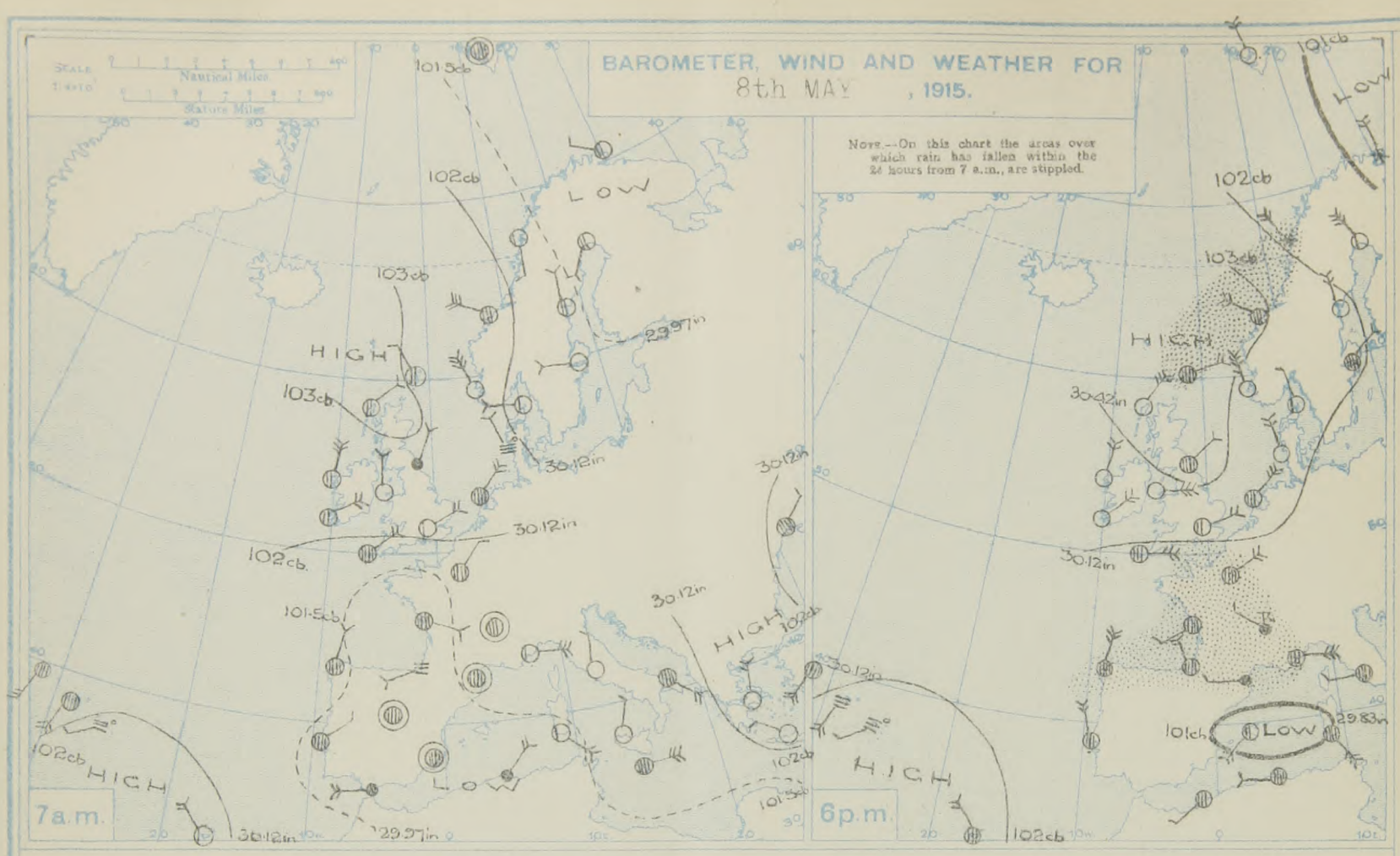
RAINFALL.

Equivalents of Millimetres in Inches.

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

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

BAROMETER, WIND AND WEATHER FOR 8th MAY , 1915.



FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.

FORECAST DISTRICTS.

STORM WARNINGS.

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

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

No Warnings Issued.

0	a	Wind mainly Easterly, fresh at times in places;
	b	
1		fair to fine; moderate temperature.
2	a	
	b	
3		Squally, fresh to strong North-Easterly winds;
4	a	
	b	fine generally; moderate temperature.
5		
6	a	Same as Nos. 0 to 2.
	b	
7	a	
	b	
8	a	
	b	
9	a	Light to moderate breezes between North-East
	b	
10	a	and South-East; fair to fine; moderate temperature.
	b	
Western Channel and Bay 11		Easterly to Northerly breezes, fresh at times; sea moderate; fair to dull, some rain and fog; moderate temperature.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

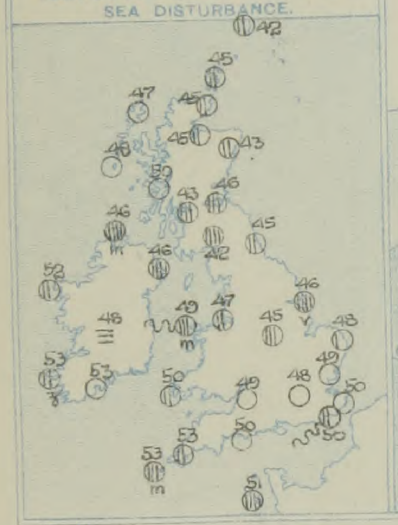
Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., SUNDAY, 9th MAY, 1915.

GENERAL INFERENCE.

No important change is anticipated.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

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

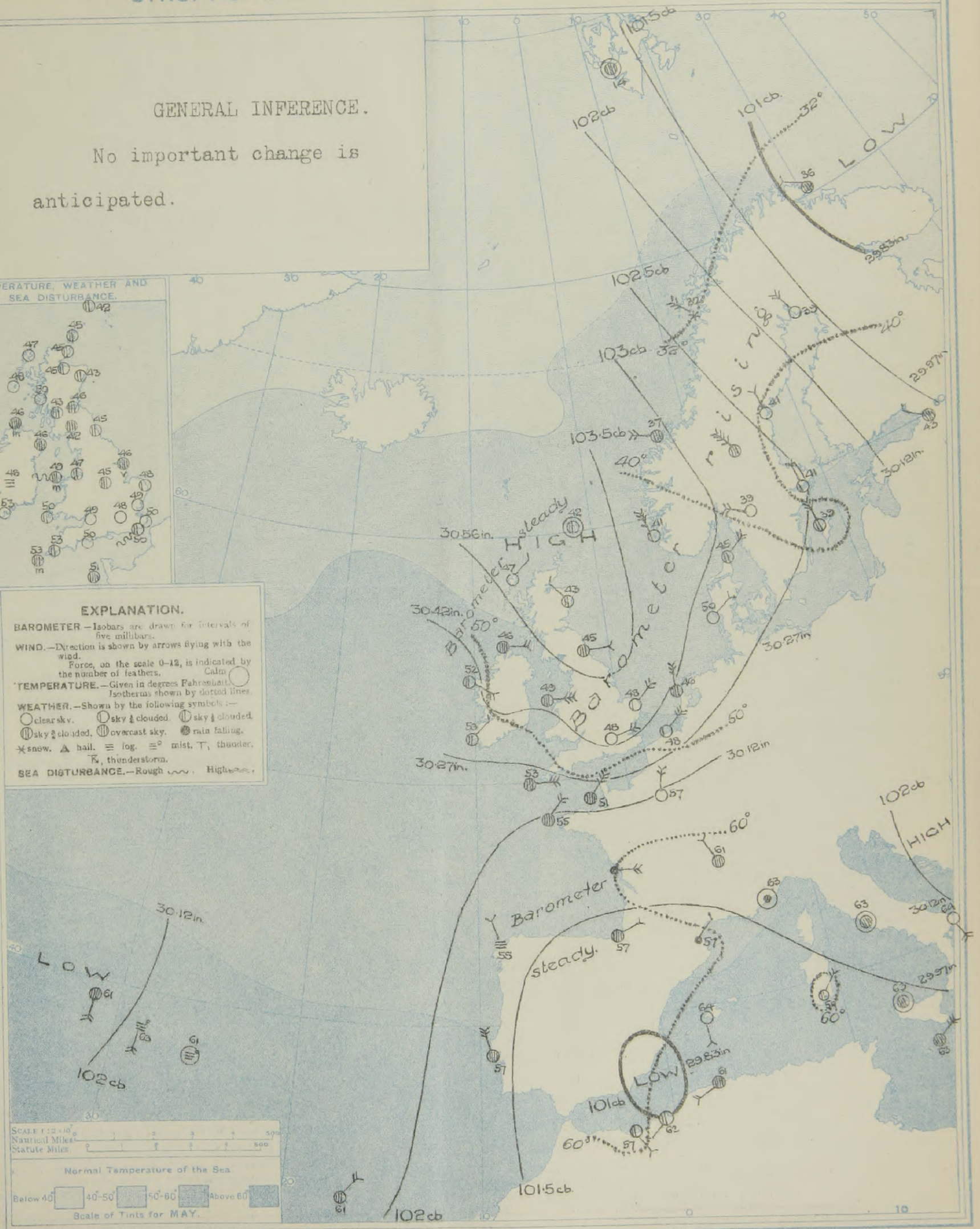
WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers. Calm ◯

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

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊼, thunderstorm.

SEA DISTURBANCE.—Rough ∿∿. High

Mrs. Inches.
31
30
29



SCALE 1 : 2·10
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.

DAILY WEATHER REPORT. Sunday 9th May 1915.

REPORTS FOR YESTERDAY.

8th May

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. F.	Temp. Change in 24 hours. F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Haparanda	1014·0	37	SSE	2	0	1011·1	0	43	+6	SSW	2	SW	bc	*	3	43	34
Hernosand	1014·3	45	SSW	2	bc	1017·7	+3	45	−3	N	2	SW	bc	*	1	52	43
Stockholm	1016·7	48	S	2	0	1015·5	0	54	+4	W	2	-	b	*	-	59	41
Visby	1016·3	45	SSE	2	r	1017·9	0	43	−9	W	2	-	b	*	10	54	36
Karlstad	1016·0	54	-	0	bc	1017·2	0	50	+4	-	0	-	b	*	-	57	36
Lisbon	1011·0	64	SSW	4	c	1012·0	+1	57	−2	NE	1	-	0	6	3	66	57
Rome	1019·8	64	SW	1	b	1017·7	−2	61	+6	N	1	-	b	*	-	77	54
Horta	1016·0	*	5	5	f	1016·1	+2	63	+3	SSW	4	*	0	2	-	64	63
Funchal	1017·6	68	?	3	c	1021·1	+1	61	−3	NW	3	N	b	3	-	68	61

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban						
Scotland.	Banff	-	49	44	bc	bc. b	4·2
Scotland.	St. Andrews				*	*	
Scotland.	Carnoustie	-	47	41	-	-	0·0
Eng., N.E.	Harrogate	-	50	46	cmo	o	0·0
Eng., N.E.	Scarborough	*					
Eng., N.E.	Skegness	-	48	46	om	oc	0·0
Eng., N.W.	Morecambe						
Eng., N.W.	Blackpool	-	62	45	b.bc	b	9·9
Eng., N.W.	Southport	-	65	47	b	b	11·4
Midlands.	Buxton	-	59	45	bc	bc	0·1
Midlands.	Leamington Spa	0·3	66	52	b	b	12·5
Midlands.	Malvern						
Midlands.	Ross-on-Wye	-	69	46	bcw	beg	11·2
Wales.	Rhyl	-	69	44	b	b bc	10·9
Wales.	Colwyn Bay						
Wales.	Llandudno						
Wales.	Aberystwyth	-	72	52	ocr	bcc	9·5
Wales.	Tenby	-	70	56	b	b	10·9
Wales.	Swansea						
England, E.	Cromer	-	51	45	f.o	o	0·0
England, E.	Lowestoft						
England, E.	Felixstowe	-	54	48	bcm	bcm	11·8
England, E.	Walton-on-Naze	-	49	46	ome.bc	c bc.om	3·7
England, E.	Southend-on-Sea	-	59	50	b	b.bc	12·0
England, S.E.	Tunbridge Wells	-	66	50	b.bc	c	10·5
England, S.E.	Margate	-	50	47	b.c	c	2·4
England, S.E.	Ramsgate	-	55	48	bc.o	c.o	4·7
England, S.E.	Folkestone						
England, S.E.	Hastings	-	66	52	bc.b	b	8·7
England, S.E.	Bexhill-on-Sea	-	68	55	b	b	8·6
England, S.E.	Eastbourne	-	64	55	bc b. bc	b. beq	7·1
England, S.E.	Seaford						
England, S.E.	Brighton	-	72	56	bc.b	c. b.bcb	10·2
England, S.E.	Worthing	-	72	55	bc	bc	6·1
England, S.E.	Littlehampton	-	72	*	b	b	7·0
England, S.E.	Bognor	-	72	55	bc b	b	6·5
England, S.E.	Southsea						
England, S.E.	Bournemouth	-	75	52	c	c	5·4
England, S.W.	Weymouth	-	72	55	b	bm	8·0
England, S.W.	Torquay	-	69	56	b. bc	c. bc	7·0
England, S.W.	Paignton	-	66	55	bc. c	bc	5·4
England, S.W.	Falmouth	-	66	55	cg	o.c.bc	0·7
England, S.W.	Penzance	-	67	57	bc	bc	0·3
England, S.W.	Newquay	-	70	54	bc.o.cg	cg. beg	3·5
England, S.W.	Ilfracombe	-	67	54	3bc	beg	5·5
England, S.W.	Weston-super-Mare						

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday. %	Humidity. 9 a.m. To-day. %	Sunshine for Yesterday. Hr.	Temperature. In Screen. Max. °F. (24 hours ended 9 a.m. To-Day.)	Temperature. In Screen. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.§	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
Greenwich (Royal Obsy.)	50	58	12·4	68	43	36	-	b	b	b
City (Bunhill Row)	*	*	11·8	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	42		11·8	70	45	41	-	bc	bc bc	bcm
Camden Sq. (Brit. Rainfall)	43	51	10·9	74	43	38	-	b	b	*
Hampstead (Reservoir)	*	58	12·3	68	40	32	-	c	c	c
Richmond Park	*	*	12·2							
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.
1936 Joules	35·5 Milliwatts.	71 Milliwatts.

S. Kensington (Roof of M.O.)	46	55	11·6

Additional Observations for Yesterday.

STATIONS.	Rainfall. mm §	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Night Min. on Grass. F.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday. Hr.
Dublin to 4 p.m.	-	58	47	43	b. cuc	o.c.ue	cue.b	
Darwen to 9 p.m.	-	59	43	42	o.u.cl	b. c	b.co u	8·6
Manchester ,,	-	62	48	*	bc	b	b. bc	9·1
Birmingham ,,	1	64	48	49	c	c	c	9·7
Oxford to 9 p.m.	*	70	49	41	cg bg	bg	bg beg	
Teignmouth to 9pm.	-	65	57	54	b	b bc	bc. b	6·4
Plymouth ,,	-	71	57	49	bg	eb	e.bg	3·1
S. Kensington (Museum Grounds to 6 p.m.)	-	70	54	47	b	b	bc. c	*

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

9th & 10th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·10 / 4·8	11·49	7·28 / 7·30
Greenwich	4·21 / 4·19	11·56	7·31 / 7·33
Wick	3·42 / 3·40	12·8	8·44 / 8·16
Valencia	5·9 / 4·38	12·37	8·14 / 8·16

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to about 70° in several parts of of southern England and Wales, but remained below 50° on the north-east coast. Bright sunshine was very prevalent except in the south-west and east of Scotland, and at some stations on the south-west and east coasts 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; 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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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 130

Monday 10th May 1915.

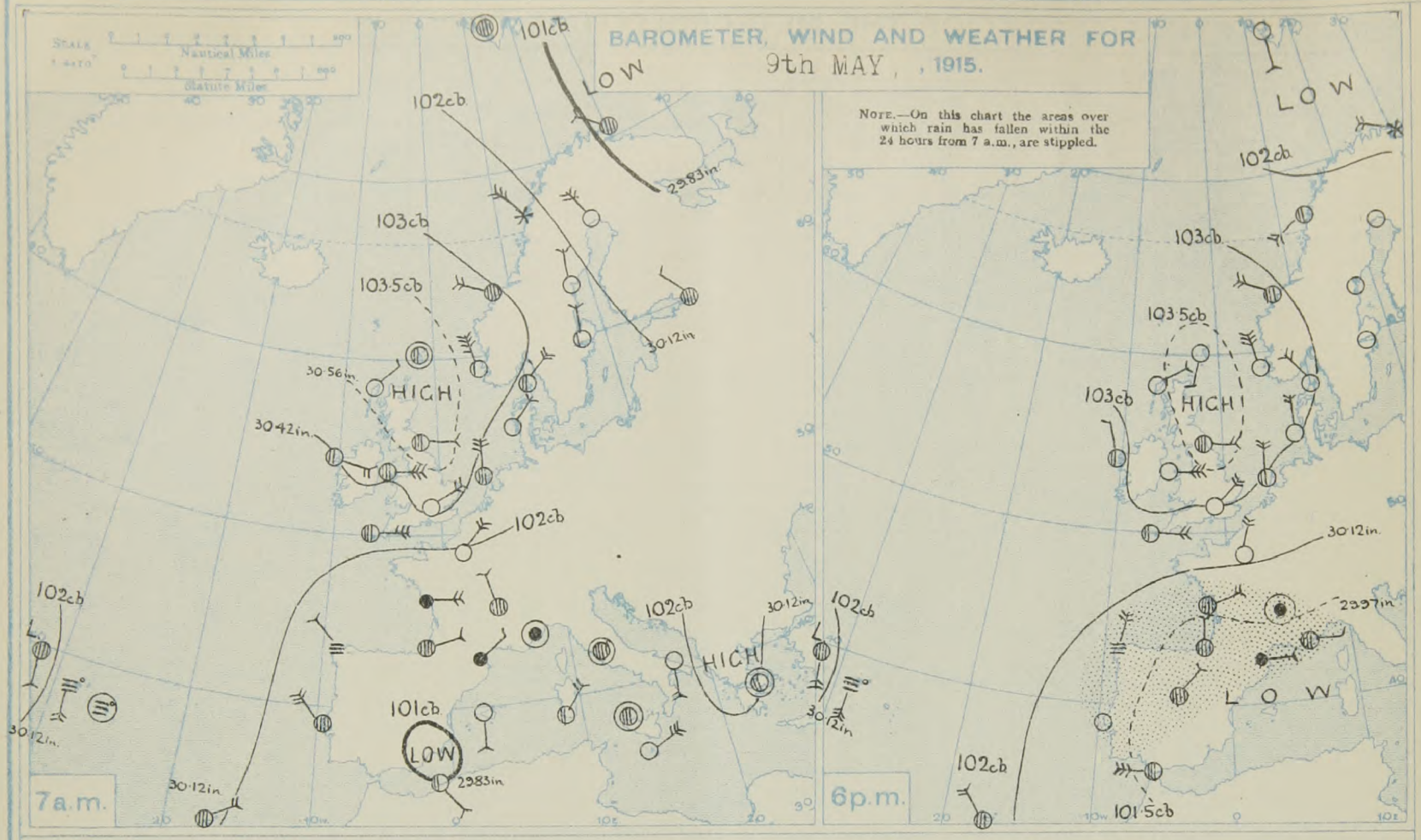
DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1036·4	45	SSW	1	b	1024·8	−6	44	+2	SSW	4	SW	bcm	3	−	47	37	b	b	b.bcm	*
	Deerness ...	1035·5	44	SSE	3	b	1027·7	*	47	+2	SSW	4	SW	b	4	−	47	41	bc	bc.b	b	13·8
	Stornoway ...	1033·5	52	ENE	2	b	1028·3	−3	49	+2	SW	4	−	oq	4	−	54	41	b	b	b.oq	13·8
	Castlebay (Barra Isd.)	1032·9	52	NE	3	b	1028·9	−1	47	−1	SSE	4	−	om	4	−	53	46	b	b	b.om	14·0
	Glasgow ...	1034·9	49	ENE	4	b	1032·7	−2	47	+4	E	1	W	o	*	−	54	32	c.bc.c	bc.b	bc.c.b.o	9·6
	Eskdalemuir ...	1036·4	45	ENE	3	ov	1032·2	−2	39	−3	SE	1	W	c	*	−	53	27	o.c.o	o	ov.bc.b	1·9
	Malin Head ...	1031·3	51	SE	3	cg	1028·2	−1	49	+3	SSW	3	SW	c	3	−	52	45	bg	beg	cm	7·0
	Blacksod Point	1029·6	59	NNW	1	bcm	1029·6	0	52	0	WSW	3	W	cm	2	−	60	48	bcm	bcm	bcm.cm	*
	Valencia ...	1029·3	60	SW	1	cg	1029·4	−1	51	−2	—	0	SW	bg	1	−	66	44	beg.cg	cg	bg	11·2
	Roche's Point	1030·8	58	SE	3	b	1030·7	*	51	−2	E	1	−	b	1	−	59	46	bg	bg	bg	*
	Birr Castle ...	1031·0	59	NE	1	m	1030·4	*	47	−1	E	1	−	m	*	−	60	45	g	g	g	10·3
	Donaghadee ...	1032·6	49	SE	3	bcm	1030·9	−2	45	−1	SSE	2	3	cm	2	−	51	42		bcm	cm.bcm	*
	Liverpool (Bidston)	1032·5	52	E	4	bc	1032·0	−1	40	−7	ESE	1	E	b	2	−	58	38	bm	bc	b	7·1
	Holyhead ...	1030·9	55	E	6	bm	1030·4	−2	44	−5	ENE	3	−	bm	2	−	58	42	c.bcm	c.bc.bm	b.bcm	5·5
	Pembroke (St. Ann's)	1030·4	54	ENE	2	bc	1030·3	−1	43	−7	ESE	3	−	bcm	3	−	60	40	bc	bc	bcm	12·5
	Scilly (St. Mary's)	1026·2	56	E	5	bcm	1027·8	0	49	−4	E	3	−	b	5	−	58	47	bcm	bcm	bm.b	8·9
	Falmouth ...	1026·9	56	E	1	b	1028·0	0	44	−9	NE	2	E	b	4	−	62	42	bc	b	b	12·5
	Jersey (St. Aubin)	1024·6	54	NE	6	b	1024·9	*	48	−3	ENE	5	—	o	4	−	58	46	o.b	b	b.o	8·5
	Portland Bill ...	1027·9	52	E	3	bc	1027·3	−1	45	−5	NE	5	−	b	4	−	56	42	b	b.bc	b	*
	Dungeness ...	1028·0	47	NE	5	bc	1026·4	−2	51	+1	NE	3	−	b	3	−	53	44	bc	bc	bc.c.o.b	*
	Dover	1028·3	44	NNE	7	c	1027·4	−1	51	+1	NNE	5	−	b	4	−	58	42	b	b.bc.c	b.bc.b	11·3
	Wick	1036·0	44	SSE	3	bc	1028·2	−4	45	0	SW	3	—	bc	0	−	47	41	bc	bc	bcm	*
	Nairn	1033·3	59	−	0	bc	1029·1	*	47	+2	W	1	−	bc	1	−	61	31	bcg	bg	bcw	14·6
	Aberdeen ...	1037·4	45	ESE	2	b	1031·0	−3	43	0	SSW	4	W	b	2	−	52	36	bc.b	b	b	11·9
	Leith	1036·1	50	ENE	3	bc	1032·0	−3	40	−6	WNW	1	−	bg	*	−	51	31	b.bc	c.bc	b	*
	Tynemouth ...	1036·4	45	E	4	c	1032·5	−3	43	−2	SSE	2	S	bcm	3	−	50	41	c	c	bcm	*
	Spurn Head ...	1035·9	45	ENE	5	o	1033·3	0	44	−2	E	4	−	o	6	−	52	40	ov	ov	o.c	5·6
	Yarmouth ...	1032·4	46	NNE	4	bc	1030·3	−1	50	+2	NE	3	−	bm	2	−	51	45	b.bf	bc	o.bm	11·7
	Clacton-on-Sea	1030·5	49	ENE	6	b	1028·6	−1	49	0	NE	4	NE	bc	3	−	53	43	b	b	b.bc	13·7
	Nottingham ...	1033·6	46	NE	5	b	1031·6	*	44	−1	NE	3	NE	c	*	−	54	41	c.bc	bc.b	bc.o	11·1
	Bath	1029·4	55	E	4	b	1030·1	*	44	−5	NE	4	E	c	*	−	62	35	bg	bgg	bg c.o	11·0
	London (Kew Obsy.)	1030·0	54	NE	4	b	1029·2	−2	45	−3	NE	3	−	o	*	−	60	38	b bg	bg.bc.b	b.bo.cm	14·0
ICELAND, FAEROE, &c.	Spitsbergen ...	1019·3	9	S	2	b	1015·4	+1	9	−5	−	0	*	b	*	*	18	−1				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1016·2	32	WNW	4	9	1019·0	?	32	−4	WSW	3	−	b	3	*	36	32				
	Bodö	1024·4	36	SW	4	bc	1014·4	−5	37	+5	SSE	2	−	bc	2	?	37	30				
	Christiansund	1033·1	37	WNW	4	c	1025·3	−3	37	0	W	5	−	r	4	4	41	36				
	Skudesnaes ..	1034·3	43	NNW	6	b	1031·4	−3	45	+4	SSE	2	−	b	1	−	45	36				
	Færder (X'tania Fjord)	?1032·0	45	WSW	3	b	?1032·0	−2	46	+8	S	1	−	bc	1	−	46	39				
	The Scaw (Skagen)	1031·4	45	NW	3	b	1033·0	0	46	+1	SSE	2	−	b	2	−	50	41				
	Blaavands Huk	1030·6	50	N	3	b	1033·2	0	45	−5	E	1	−	b	2	−	55	30				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1029·7	48	N	4	bc	1030·0	0	50	+4	E	2	−	b	1	−	50	46				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1027·4	46	NE	7	bc	1025·9	−1	51	+1	NE	6	*	bc	5	−	52	45				
	La Hêve	1025·7	46	NE	4	b	1023·7	*	45	−7	ENE	3	*	bc	4	−	61	45				
	Ushant							*					*									
	Brest (St. Mathieu)	1023·0	64	NE	6	o	1025·0	0	46	−9	NE	6	*	o	2	−	70	45				
	Rochefort (Ile d'Aix)	1015·9	64	ENE	3	o	1016·8	9	53	−7	NE	5	*	o	*	5	64	52				
	Biarritz	1014·3	59	N	2	o	1014·4	0	60	+3	−	0	*	o	1	4	60	57				
	Paris	1022·0	61	NNE	4	b	1021·3	−1	54	−3	NNE	3	−	b	*	−	72	50				
	Belfort							*					*		*							
	Lyons	1016·6	64	−	0	r	1015·8	*	56	−5	N	1	*	o	*	−	67	55				
	Nice	1014·7	63	E	1	c	1012·3	0	64	+1	E	4	*	c	4	2	68	56				
	Perpignan ..	1014·0	57	E	2	r	1013·2	0	55	−2	−	0	NE	r	*	44	61	54				
	Sanguinaire ...	1010·6	73	N	3	o	1008·2	*	62		N	3	*	o	3	−	75	54				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1018·1	59	NNE	4	f	1019·7	+1	57	+2	NNE	3	−	f	1	1	59	55				
	Madrid (8 a.m.)	1010·7	57	NE	2	o	1013·1	+2	57		−	0	−	o	*	7	63	52				
	Lisbon (9 a.m.) †	1015·8	63	NW	4	0	1014·7	+1	59	+2	NW	3	−	o	5	−	64	57				
	Gibraltar	1014·9	62	W	6	c	1013·9	*	62		W	4	*	c	4	2	67	58				
	Rome														*							
	Azores (Horta, 7 a.m.)	1022·6	*	S	5	m	1023·9	+2	63	0	S	4	*	m	3	−	64	63				
	Madeira (Funchal)	1023·0	66	NW	3	c	1023·5	0	69	−2	N	3	N	bc	3	−	75	59				
	Malta	*	*	*	*	*	1010·3	−2	63	0	E	6	−	o	6	−	66	61				

RAINFALL.

Equivalents of Millimetres in Inches.

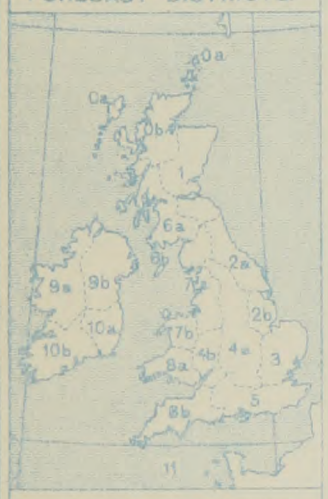
mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69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

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



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NO WARNINGS ISSUED.

0 a, b 1 2 a, b	Freshening South-Westerly and Southerly breezes; fine to dull. some rain and mist; cooler.
3 4 a, b 5	Moderating North-Easterly breeze, becoming variable; fine to cloudy, local mist; cooler.
6 a, b 7 a, b	Same as Nos. 0 - 2.
8 a, b	Same as Nos. 3 - 5.
9 a, b 10 a, b	Same as Nos. 0 - 2.
Western Channal and Bay 11	Fresh to moderate North-Easterly to Northerly breeze; sea rather rough to moderate; cloudy to dull, some mist or fog; cool.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

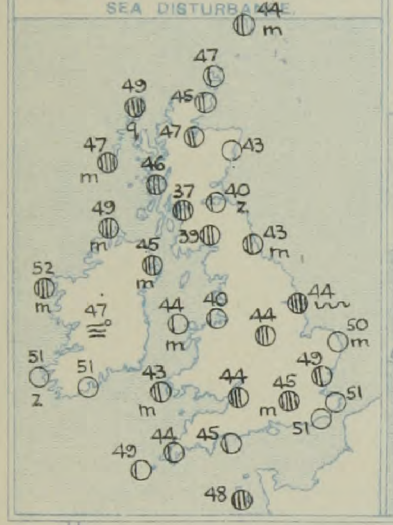
Millibs. Inches.
1050 31
1040
1030
1020 30
1010
1000
990
980 29
970

SYNOPTIC CHART FOR 7 a.m., MONDAY, 10th MAY, 1915.

GENERAL INFERENCE.

A disturbance indicated beyond our north-western coasts will probably bring about a change to a less settled type.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

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

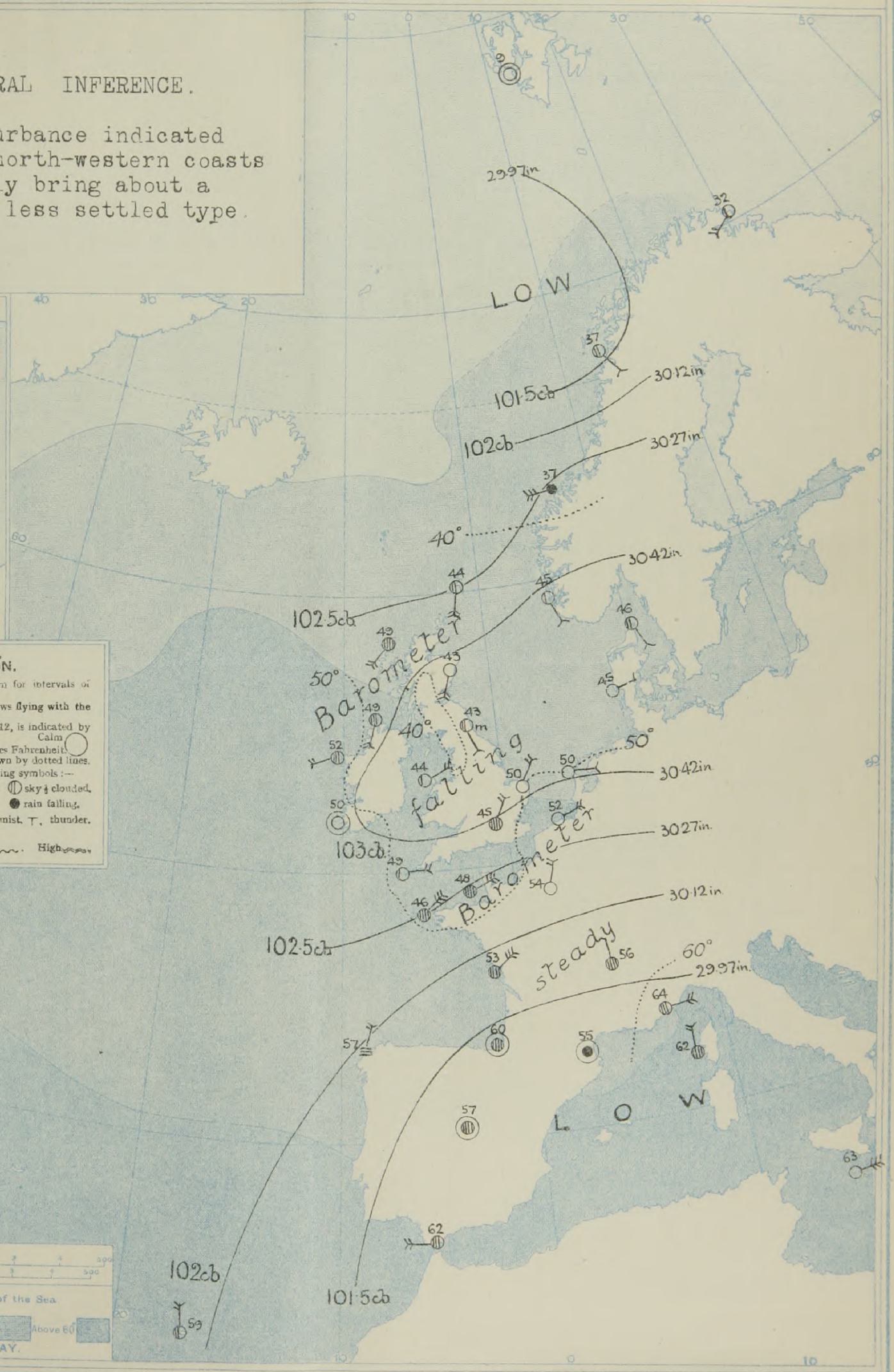
WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers. Calm ◯

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

WEATHER.—Shown by the following symbols:—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ◍ overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊤ₖ, thunderstorm.

SEA DISTURBANCE.—Rough ~~. High ~~~.

Inches. 31 30 29



SCALE 1 : 2·10°
Nautical Miles 0 1 2 3 4 200
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.

PILOT BALLOON ASCENTS for the PAST WEEK.

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

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.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
		Eskdalemuir 3rd May 8a.m.		Eskdalemuir 4th May 7am.		South Farnborough 5th May 5.40am		S. Farnborough 6th May 7.15am		Eskdalemuir 6th May 8am.		Aberdeen 6th May 8am.		Aberdeen 7th May 8am		S. Farnborough 7th May 8.53am		S. Farnborough 8th May 6.55am			
Heights in Kilometres.	6	+6	+1															+2	0		
	5	+5	+2															−2	+1		
	4	+2	+3															−5	0		
	3	+2	+3					+5	+4	+3	+4	+6	−2					−4	−1		
	2	−1	0	−7	+11	+5	+11	+3	+3	+3	+3	+5	+3	+6	0	−6	0	−10	0		
	1	−3	+6	−7	+7	+3	+4	+1	−2	0	+1	+3	+1	+1	−1	−5	+1	−13	−2		
	.5	−3	+2	−6	+2	−1	+1	+1	−1	0	+1	+1	−0	−2	−4	−5	0	−14	−1		
	0	−3	+2	−6	+3	−1	0	+2	−½	0	0	0	0	+1	−1	−2	−1	−5	−3		

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	~	61	46	b	b	12·8
	Banff	~	51	30	c	b	9·8
	St. Andrews		*		*	*	
	Carnoustie.	~	50	37			10·3
Eng., N.E.	Harrogate	~	52	42	o.c	bc.c.bc	3·3
	Scarborough ...	*					
	Skegness	~	50	45	o.c	o.c	8·0
Eng., N.W.	Morecambe						
	Blackpool	~	58	46	c	c.b	3·7
	Southport	~	68	45	o.c	c.bc.b	4·2
Midlands.	Buxton						
	Leamington Spa	~	57	43	b	b	12·4
	Malvern	~	59	43	b	b	12·6
	Ross-on-Wye	~	59	43	b	b	12·6
Wales.	Rhyl	~	60	46	bc	bc	7·4
	Colwyn Bay	~	58	45	bc	bc	9·7
	Llandudno	~	62	45			8·0
	Aberystwyth	~	65	46	bc.b	bc.c	12·4
	Tenby						
	Swansea						
England, E.	Cromer						
	Lowestoft	~	49	44	c.bc.c	c	11·8
	Felixstowe	~	52	48	bc	bc	12·6
	Walton-on-Naze	~	49	45	b	b	12·4
	Southend-on-Sea	~	54	44	b	b	13·0
England, S.E.	Tunbridge Wells	~	56	44	b	b	12·6
	Margate	~	47	46	b	b	11·5
	Ramsgate	~	52	48	bc	bc	12·0
	Folkestone						
	Hastings	~	56	45	b	b	13·0
	Bexhill-on-Sea	~	62	53	b	b	12·3
	Eastbourne	~	58	46	b	b	12·8
	Seaford						
	Brighton	~	61	47	b	bc.b	12·8
	Worthing	~	?62	46	b	b	?13·0
	Littlehampton	~	62	*	b	b	12·9
	Bognor	~	62	45	b	b	12·6
	Southsea						
	Bournemouth	~	65	44	b	b	13·0
England, S.W.	Weymouth	~	66	46	b	bz	10·0
	Torquay	~	61	49	b	b	12·4
	Paignton						
	Falmouth	~	62	52	bc	b	9·9
	Penzance						
	Newquay	~	67	49	bv	b	11·7
	Ilfracombe	~	60	48	b	bz	12·0
	Weston-super-Mare ...	~	63	44	b	b	12·5

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.) ...	63	72	13·6	60	39	30	–	b	b	b.bc.c
City (Bunhill Row)	*	*	13·2	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	62	78	13·6	61	41	37	~	bc	bc	bc
Camden Sq. (Brit. Rainfall)	~	68	12·3	66	39	38	–	–	–	*
Hampstead (Reservoir) ...	*	75	13·4	59	37	28	–	b	bc	bc
Richmond Park ...	*	*	12·5							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	–	74	13·6							

Vertical Component of Solar Radiation per Square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
2274 Joules	41·7 Milliwatts.	73 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	~	56	48	46	cm	cm.b.	bm.c	*
Darwen to 9 p.m.								
Manchester ,,				*				
Birmingham ,,	~	57	43	40	*	b	b	12·1
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.	~	60	48	46	bc.b	b	b	12·1
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	~	62	45	39	b	b	b	*

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

10th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.8 / 4.6	11.49 / 11.49	7.30 / 7.32
Greenwich	4.19 / 4.17	11.56 / 11.56	7.33 / 7.35
Wick	4.0 / 3.57	12.8 / 12.8	8.16 / 8.19
Valencia	4.58 / 4.36	12.37 / 12.37	8.16 / 8.18

NOTES ON YESTERDAY'S WEATHER.

Temperature decreased in all districts, most of the maxima being below 60°, in some places below 50°. As a rule large sunshine records were reported, up to 14⅛ hours at Nairn.

Note.—The information relating to weather is indicated by the following letters—b. Blue sky: bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; 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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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. { Tuesday 11th May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1020·0	45	NW	4	om	1020·5	−1	36	−8	N	5	N	bc	5	1	51	35	bc	c	bcp	*
	Deerness ...	?	46	NW	4	o	1020·6	*	39	−8	N	4	W	c	3	1	54	37	b.bc.c.o	opd	opd.c	3·8
	Stornoway ...	1024·0	51	N	3	o	1021·3	o	40	−9	NE	5	–	ogp	5	3	56	40	og	ogp.mo	ogp	8·3
	Castlebay (Barra Isd.)	1023·7	50	NNE	3	om	1018·3	−2	45	−2	NE	3	–	r	3	5	53	44	om	o.c.om	om.c.or	0·4
	Glasgow ...	1024·0	53	W	1	og	1018·6	−2	48	+1	WSW	1	–	og	*	–	56	37	o.cg.bz	b.bc.c.o	oz.o	5·2
	Eskdalemuir ...	1023·5	54	SW	3	bz	1019·1	−3	44	+5	SSW	1	–	om	*	–	57	37	c.b	bz	cz.cm	12·2
	Malin Head ...	1024·6	50	W	3	om	1018·8	−5	49	0	SE	1	–	fe	1	–	56	47	om	om	fe	0·5
	Blacksod Point	1025·4	55	WSW	3	bcm	1014·6	−7	51	−1	S	4	–	om	3	1	58	49	cm	cm	bcm.cm	*
	Valencia ...	1025·7	56	WSW	2	b	1020·6	−2	49	−2	NE	1	–	oz	2	–	64	46	bz	bz	bc.oz	13·3
	Roche's Point	?	54	S	1	bc	1021·4	*	52	+1	NW	1	–	o	1	–	55	48	bz	b.bc	bz.oz	*
	Birr Castle ...	1025·5	61	NW	1	c	1019·9	*	49	+2	S	1	–	m	*	–	66	42	z	z.c	f	4·3
	Donaghadee ...	1024·3	53	SW	3	bcm	1019·1	−2	50	+5	SW	1	–	of	o	–	55	44	bcm	bcm	bcm.of	*
	Liverpool (Bidston)	1024·8	49	NW	1	b	1019·6	−2	49	+9	WNW	1	–	b	1	–	57	40	bm	b	b	11·8
	Holyhead ...	1025·0	52	NE	2	bm	1019·9	−3	50	+6	SW	3	–	bcm	2	–	50	44	b.bc.bm	bm	b.o.bc.b	12·2
	Pembroke (St. Ann's)	1025·8	47	N	1	bc	1020·7	−3	51	+8	NE	1	–	bm	1	–	57	42	bcm	bcm	bcm	10·4
	Scilly (St. Mary's)	1024·1	51	NE	3	b	1020·2	−3	51	+2	N	3	–	bm	3	–	53	47	b	b	b.bm	11·8
	Falmouth ...	1022·8	58	N	3	b	1019·0	−2	50	+6	NW	2	–	b	2	–	61	44	b	b	b	12·7
	Jersey (St. Aubin)	1020·4	59	NE	3	b	1017·8	*	53	+5	NNE	3	–	b	2	–	60	47	o.c	c.b	b	7·6
	Portland Bill ...	1022·0	62	NE	3	bc	1019·6	−2	54	+9	NNE	3	–	b	2	–	63	50	b	b	b	
	Dungeness ...	1021·1	55	NE	3	b	1018·2	0	51	0	NNE	3	NE	b	3	–	58	51	b	b	b.bc	*
	Dover	1022·1	52	NNE	6	b	1017·9	−1	55	+4	NNE	4	–	b	4	–	59	43	b	b	b	12·3
	Wick	1022·3	48	WNW	3	o	1020·8	−1	40	−5	N	4	–	o	3	Trace	54	39	bc.om	om	op.og	*
	Nairn	1022·3	55	–	0	cmg	1020·8	*	39	−8	E	2	–	orm	2	5	61	38	bc.cg	cmg	omgd	5·9
	Aberdeen ...	1021·6	48	S	3	c	1020·1	o	42	−1	N	2	–	or	2	0·3	54	42	b	bc.c	c.or	11·3
	Leith	1022·4	56	W	3	c	1018·6	−3	48	+8	NE	1	–	o	*	–	62	39	bcg.c	c	c.bc	*
	Tynemouth ...	1024·2	48	SSE	3	bc	1019·1	−3	47	+4	NW	1	–	cm	2	–	49	43	bc	bc	cm	*
	Spurn Head ...	1025·6	48	E	4	bc	1019·2	−1	48	+4	W	2	–	bcm	3	–	52	43	o.bc	bc	bc	7·2
	Yarmouth ...	1024·8	51	NE	3	b	1019·2	−2	51	+1	N	1	–	b	0	–	56	42	bm	b	b	13·0
	Clacton-on-Sea	1023·7	54	NE	3	bc	1019·1	−1	53	+4	NE	2	–	b	1	–	58	42	bc.b	b.bc	bc.b	12·8
	Nottingham ...	1024·2	60	ESE	1	b	1019·4	*	43	−1	WSW	1	–	bm	*	–	63	38	c.b	b	b	11·7
	Bath	1023·4	62	E	2	b	1020·3	*	46	+2	W	1	–	b	*	–	64	37	c.bc	bc	bc.c.bm	11·9
	London (Kew Obsy.)	1022·8	60	ESE	4	bz	1019·7	−1	49	+4	NNE	1	–	b	*	–	65	39	om.o.c.bc	bc.c.bz	bz	8·7
ICELAND, FAEROE, &c.	Spitsbergen ...	1020·8	9	SE	2	b	1023·4	+3	10	+1	–	0	*	b	*	*	14	0				
	Isafjord												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1016·0	32	SE	1	b	1011·9	−1	34	+2	SE	4	–	S	3	*	34	27				
	Bodö	1002·1	37	SSE	1	c	998·7	0	34	−3	NW	4	–	m	2	11	37	32				
	Christiansund	1009·3	41	WSW	6	r	1012·3	0	36	−1	SW	1	NW	b	4	5	41	34				
	Skudesnaes ..	1021·5	45	S	6	c	1013·7	0	43	−2	NNW	4	–	c	2	5	48	39				
	Færder (X'iania Fjord)	1019·9	46	SW	6	o	1011·3	−4	43	−3	WSW	6	–	o	3	–	46	37				
	The Scaw (Skagen)	1025·3	52	WSW	2	b	1014·9	−5	45	−1	WSW	3	SW	o	3	–	54	41				
	Blaavands Huk	1026·5	50	NW	1	b	1016·8	−2	48	+3	WNW	2	W	b	1	–	52	37				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1024·2	54	NE	6	b	1018·3	−1	52	+2	NE	2	W	b	1	–	59	46				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1020·3	52	NE	6	b	1017·6	−1	51	0	NE	5	*	b	3	–	57	45				
	La Hève	1017·5	57	NE	3	m	1016·6	*	52	+7	NE	1	*	m	2	–	63	48				
	Ushant	1019·4	50	NE	2	bc	1017·5	*	50		ENE	3	*	b	2	–	57	48				
	Brest (St. Mathieu)	1021·5	55	NNE	5	b	1018·7	−1	50	+4	NE	2	*	b	2	–	68	46				
	Rochefort (Ile d'Aix)	1014·0	68	NE	4	bc	1013·5	o	57	+4	NNE	4	*	bc	*	–	73	53				
	Biarritz												*									
	Paris														*							
	Belfort							*					*		*							
	Lyons							*					*		*							
	Nice												*									
	Perpignan ..														*							
	Sanguinaire ...	1006·9	66	N	5	r	1006·6	*	62	o	E	2	*	o	2	–	79	56				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1019·9	59	NNE	5	m	1019·4	o	54	−3	NE	3	–	o	2	–	63	54				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)	1013·6	70	NW	4	b	1013·2	o	59	o	NW	2	–	b	5	–	70	59				
	Gibraltar	1014·2	63	W	5	c	1012·5	*	61	−1	W	5	*	b	3	–	71	59				
	Rome														*							
	Azores (Horta, 8 a.m.)	1024·4	*	SSE	4	o	1024·3	o	63	o	SSW	1	*	c	2	–	66	61				
	Madeira (Funchal)	1020·4	67	N	3	c	1020·7	o	61	+2	NNE	3	N	c	2	–	66	61				

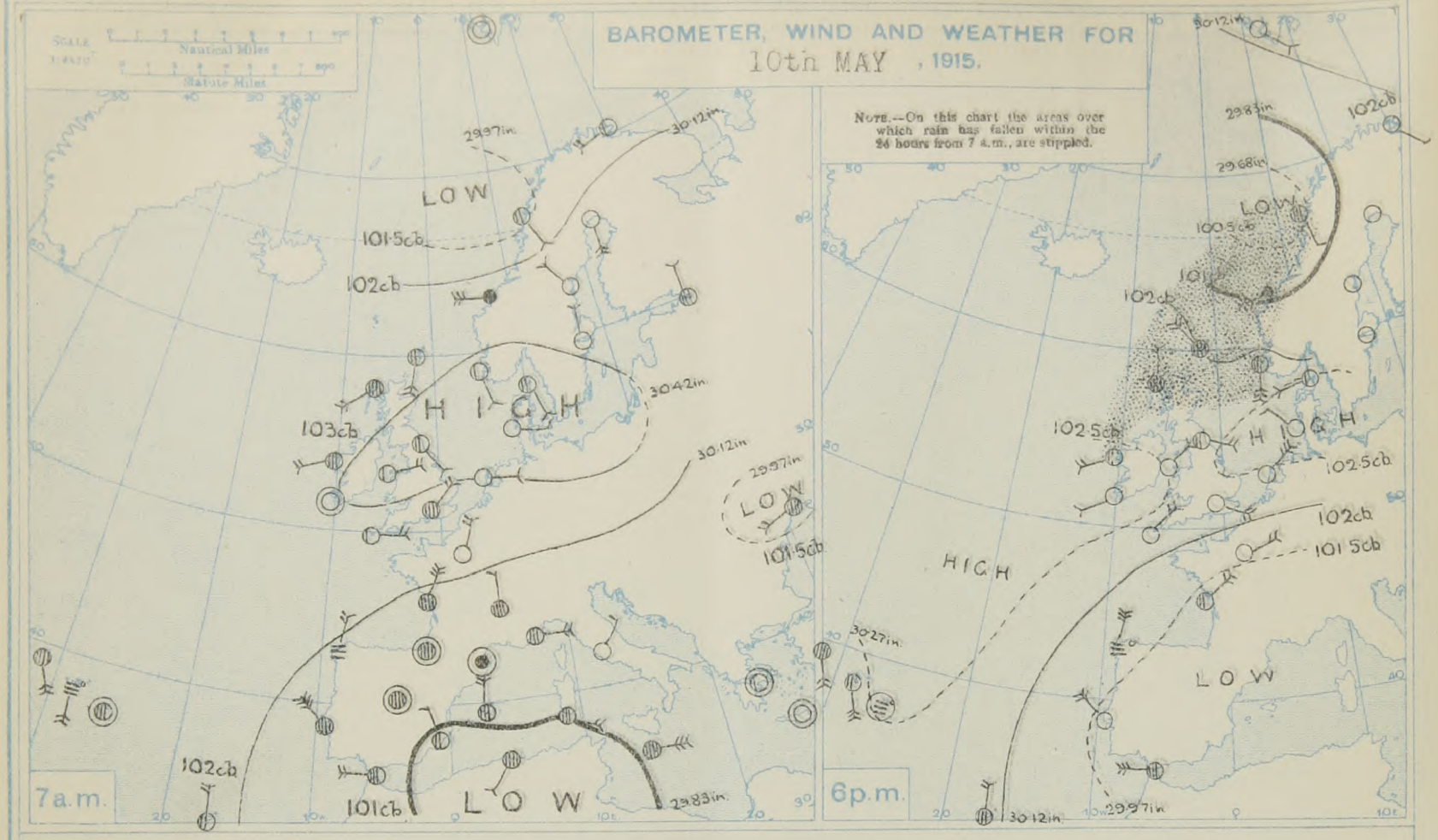
RAINFALL.

Equivalents of Millimetres. in Inches.

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

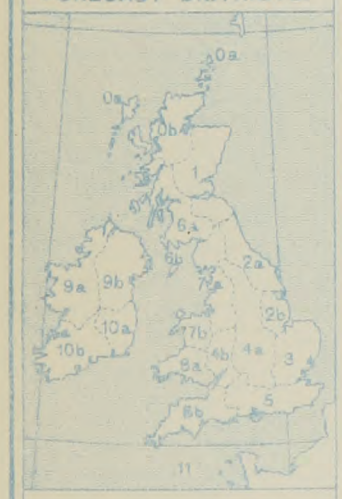
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

BAROMETER, WIND AND WEATHER FOR 10th MAY , 1915.



FORECAST 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

0 a, b; 1	Moderate to fresh North-Easterly to Northerly winds, moderating later; changeable, some rain or sleet; colder.
2 a, b	Variable breezes; fine to dull, local mist, some showers later; becoming colder.
3	Light North-Easterly to Northerly breezes, backing Westerly, fine, local mist or haze; temperature moderate to cool.
4 a, b	Same as No. 2.
5	Same as No. 3.
6 a, b; 7 a, b	Same as No. 2.
8 a, b	Same as No. 3.
9 a, b; 10 a, b	Variable breezes; cloudy to dull, some mist or fog; rather colder.
Western Channel and Bay 11	Light to moderate North-Easterly to Northerly breezes; sea moderate; fair to fine, local fog; cool.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

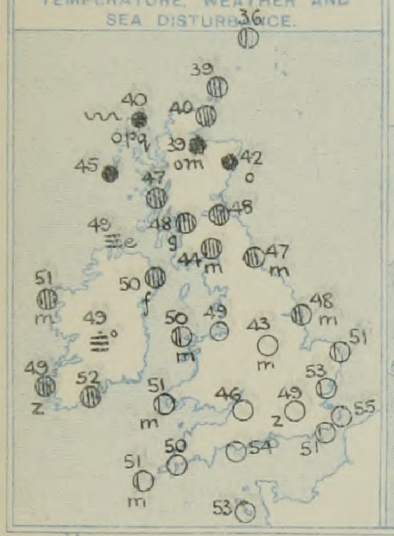
Millibars 1050 1040 1030 1020 1010 1000 990 980 970
Inches 31 30 29

SYNOPTIC CHART FOR 7 a.m., TUESDAY, 11th MAY, 1915.

GENERAL INFERENCE.

Apparently a colder type of conditions is about to spread down from the north.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◑ sky ¼ clouded. ◑ sky ½ clouded.
◍ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊼, thunderstorm.

SEA DISTURBANCE.—Rough ∿∿. High ≈≈.

Inches.
31
30
29

SCALE 1 : 2 × 10⁷
Nautical Miles 0 100 200 300 400 500
Statute Miles 0 100 200 300 400 500

Normal Temperature of the Sea.
Below 40° | 40°-50° | 50°-60° | Above 60°
Scale of Tints for MAY.

HIGH
102cb
1015cb
3012in.
101cb
100·5cb.
100cb.
LOW
29·53in.
29·68in.
40°
29·83in.
3012in.
HIGH
Barometer
Falling
102cb
101·5cb
29·97in.
29·97in.
LOW
HIGH
3012in.

DAILY WEATHER REPORT. Tuesday, 11th May 1915.

REPORTS FOR YESTERDAY.

10th May 1915.

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Evening Observations: Temp. °F.	Evening Observations: Wind Direc.	Evening Observations: Wind Force 0–12.	Evening Observations: Weather.	Observations at 7 A.M., G.M.T.: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Haparanda	1021·5	37	N	2	b	1022·9	−1	32	−7	S	4	–	b	*	–	43	25
Hernosand	1026·0	43	NW	4	b	1027·7	−1	39	−2	NW	2	NW	b	*	–	45	30
Stockholm	1024·7	41	NW	2	c	1028·7	0	41	0	N	2	–	b	*	–	46	32
Wisby	1026·4	39	WNW	2	b	1030·4	+2	39	0	N	4	–	b	*	–	41	36
Karlstad	1029·3	43	SE	4	b	1031·2	0	43	+3	WNW	2	–	b	*	–	48	28
Petrograd	1015·3	46	ENE	3	c	1016·3	+2	40	−3	N	2	*	c	*	1	57	37
Rome	1014·7	68	NE	1	0	1013·5	0	64	+1	NE	1	–	b	*	–	79	63

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	52	38	0	c	2·7
Scotland.	Banff	–	57	33	b	c.0	8·6
Scotland.	St. Andrews	–	64	33	*	*	10·8
Scotland.	Carnoustie	–	53	37			9·5
Eng., N.E.	Harrogate	–	59	38	b	b.bc	10·1
Eng., N.E.	Scarborough	*					
Eng., N.E.	Skegness	–	51	44	0.bc	bc.b	8·1
Eng., N.W.	Morecambe	–	58	37	b	b	11·3
Eng., N.W.	Blackpool	–	53	34	b	b	11·5
Eng., N.W.	Southport	–	55	33	b	b	12·2
Midlands.	Buxton	–	62	35	b	b	10·8
Midlands.	Leamington Spa	–	62	39	bc	b	12·1
Midlands.	Malvern	–	62	38	b	b	10·0
Midlands.	Ross-on-Wye	–	62	37	bc	bc	10·8
Wales.	Rhyl	–	55	35	b	b	12·7
Wales.	Colwyn Bay	–	55	35	bc	b	12·6
Wales.	Llandudno	–	60	38			11·2
Wales.	Aberystwyth	–	55	38	c.b	bc.c	11·5
Wales.	Tenby	–	65	40	b	b	?11·0
Wales.	Swansea						
England, E.	Cromer	–	53	43	0.c	c.b	4·6
England, E.	Lowestoft	–	54	44	b	b.bc	11·9
England, E.	Felixstowe	–	55	43	bc	bc	12·0
England, E.	Walton-on-Naze	–	53	43	b	b.bc	12·1
England, E.	Southend-on-Sea	–	60	40	b	b	12·0

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	–	63	41	b	b	9·5
England, S.E.	Margate	–	53	44	b	b	11·9
England, S.E.	Ramsgate	–	56	43	b	b	12·0
England, S.E.	Folkestone						
England, S.E.	Hastings	–	64	42	b	b	11·6
England, S.E.	Bexhill-on-Sea	–	69	43	bc	c.b	11·8
England, S.E.	Eastbourne	–	64	42	0.b	b	11·3
England, S.E.	Seaford						
England, S.E.	Brighton	–	67	42	b.bc	b	11·9
England, S.E.	Worthing	–	66	41	b	b	10·6
England, S.E.	Littlehampton	–	66	*	b	b	10·9
England, S.E.	Bognor	–	65	40	b	b	12·0
England, S.E.	Southsea	–	68	40	b	b	12·7
England, S.E.	Bournemouth	–	66	36	b	b	13·0
England, S.W.	Weymouth	–	67	38	b	bz	12·7
England, S.W.	Torquay	–	64	40	b.bc	b.bc	11·2
England, S.W.	Paignton	–	63	39	b	b	11·9
England, S.W.	Falmouth	–	61	42	b	b	11·8
England, S.W.	Penzance	–	64	44	b	bc.b	12·0
England, S.W.	Newquay	–	53	38	b	b.	10·3
England, S.W.	Ilfracombe	–	55	43	b	bz	9·5
England, S.W.	Weston-super-Mare	–	63	38	b	b	12·0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-Day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	49	52	9·6	68	38	22	–	bc	bc	bz
City (Bunhill Row)	*	*	9·8	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	42	51	9·5	66	44	36	–	bc	bc	b
Camden Sq. (Brit. Rainfall)	44	49	10·0	70	42	34	–	bc.b	b	*
Hampstead (Reservoir)	*	50	9·8	63	40	27	–	bc	bc	bz.b
Richmond Park	*	*								
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	39	49	9·1							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1806 Joules	32·9 Milliwatts.	78 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain fall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.	–	60	33	30	bc	bc	bc	10·9
Manchester ,,				*				
Birmingham ,,	–	60	39	33	b.c	c.b	b.bc.b.	10·5
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	–	67	41	34	bc.0	0.c.bc	bc.b	*

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

11th & 12th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.6 / 4.4	11.49 / 11.49	7.32 / 7.34
Greenwich	4.17 / 4.15	11.56 / 11.56	7.35 / 7.37
Wick	3.57 / 3.54	12.8 / 12.8	8.19 / 8.22
Valencia	4.56 / 4.54	12.37 / 12.37	8.18 / 8.20

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 60° in many districts, but exceeded 65° at some south coast stations The day was dull in the Hebrides and Donegal, but generally it was very bright, with sunshine ranging up to more than 13 hours.

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

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

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. (Wednesday 12th May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1017·6	35	NNE	4	bc	1014·3	-1	37	+1	N	5	N	bc	5	1	40	37	bc ps	bc p q	bc q sp	*
	Deerness ...	1017·9	38	N	5	csp	1015·6	*	35	-4	N	4	-	o shp	3	1	43	31	c	c sh p. c	c sh p. o	4·8
	Stornoway ...	1019·2	40	NE	5	c q	1018·5	-1	37	-3	NNE	5	N	bc	5	1	44	33	o p c q	c q	bc sq p	1·7
	Castlebay (Barra Isd.)	1015·7	42	NNE	5	bc	1017·5	0	38	-7	E	5	N	c	5	.7	46	35	r o p	o p. b c	bc	2·7
	Glasgow ...	1014·5	37	NE	4	bc	1015·0	+1	36	-12	NE	4	W	c	*	13	60	35	o q r	r	r. o p. o	0·0
	Eskdalemuir ...	1013·4	39	NE	4	o c	1013·2	+1	34	-10	NNE	5	-	o	*	20	53	33	o f o c	o c	o r. o m 3	0·4
	Malin Head ...	1010·3	46	NE	6	o m q r c	1013·5	+1	39	-10	NNE	5	N	c q	5	15	55	39	o m r t	o m q r	c q p	0·0
	Blacksod Point	1009·7	51	WSW	4	o f c	1013·3	0	42	-9	NNE	6	N	bc q p	4	1	56	40	o f d	o f c	c m b q p	*
	Valencia ...	1014·2	53	WSW	1	o	1011·6	0	49	0	NE	3	-	o	3	1	60	49	o 3	m d	o	0·1
	Roche's Point	1014·7	55	SW	3	o	1010·8	*	50	-2	NW	4	-	o	3	1	60	50	o m p	o m r o	o g	*
	Birr Castle ...	1011·8	55	W	2	o	1011·5	*	43	-6	N	1	-	o	*	1	60	42	o d	o m	c. o	0·0
	Donaghadee ...	1010·1	50	SSW	3	o m r	1011·7	+2	40	-10	ENE	4	NE	o m p	4	19	56	40	f c	o m r	o m r. o p	*
	Liverpool (Bidston)	1012·8	50	NW	1	o	1007·1	-1	46	-3	ENE	3	-	r	2	8	60	45	bc	bc. o	or	4·7
	Holyhead ...	1012·9	51	-	0	o r m	1006·9	-1	48	-2	NNE	4	-	f d	3	6	58	46	b c. b o c	o. o d	r o d o f	1·5
	Pembroke (St. Ann's)	1015·6	52	SW	1	bc	1008·9	-2	50	-1	W	3	W	c	3	-	58	49	b m	c m	b c m	9·1
	Scilly (St. Mary's)	1014·0	54	WNW	3	bc	1011·0	-1	51	0	WNW	4	NW	o	3	-	60	51	c	b m	c m. o m q	11·8
	Falmouth ...	1014·4	61	NW	2	b	1009·9	-2	53	+3	W	3	-	o	3	-	64	50	b	b	b. o	12·7
	Jersey (St. Aubin)	1014·3	63	NW	3	c	1010·8	*	52	-1	W	3	-	b m	2	-	68	43	c	c	b m. f	13·5
	Portland Bill ...	1014·0	54	WSW	2	bc	1009·5	-1	52	-2	W	2	W	o	1	-	62	50	c.	c. b c	b c. c. o	*
	Dungeness ...	1012·9	52	ENE	2	c	1008·7	0	51	0	SW	3	-	o	3	-	59	47	c	c. b c	b. b c. o	*
	Dover	1013·2	52	-	0	bc	1007·8	?	56	+1	W	1	-	o 3	3	-	63	43	c	b. b c	b c. c. o 3	11·9
	Wick	1018·2	38	NE	4	o	1015·9	0	37	-3	NW	3	NW	c	3	0·2	41	30	o g	o s p	o m. b m q	*
	Nairn	1017·5	38	ENE	2	c u	1016·7	*	38	-1	NE	2	-	bc	2	7	40	33	r s c l	d. c	c q. h p	0·0
	Aberdeen ...	1017·2	38	NNE	3	r	1015·4	0	39	-3	N	4	-	b	3	5	42	32	o r	o r	o r s p. b	0·0
	Leith	1018·2	39	ENE	4	r	1014·9	+2	38	-10	NNE	3	NE	o	*	15	49	37	o g. o r	r	r	*
	Tynemouth ...	1013·3	46	NE	2	o m	1012·5	0	40	-7	ENE	4	-	o g	5	13	49	36	o m g	o m g d	o g r	*
	Spurn Head ...	1012·9	48	ENE	3	o	1007·9	-1	43	-5	E	6	-	o r q	5	4	56	42	b c m	b c. o m	o m r	7·8
	Yarmouth ...	1013·3	52	SSE	3	c	1007·1	0	50	-1	W	2	-	o m r	1	1	56	48	b r	b r. c	o m r	11·4
	Clacton-on-Sea	1013·3	53	SSE	2	b c	1007·5	-2	52	-1	W N W	2	N W	o g m	1	-	56	49	c. b c	b c	b c. c. o g	11·8
	Nottingham ...	1011·1	64	N	1	o	1007·2	*	48	+5	NNE	2	NE	r	*	7	67	43	b m. c. o	o m g p	o m r	8·1
	Bath	1013·2	64	W	2	m	1008·0	*	53	+7	W	4	W	o	*	0·1	69	46	r n b 3	b. b o 3	3. b c. o r	12·5
	London (Kew Obsy.)	1012·2	64	ESE	1	c	1008·1	-1	54	+5	SW	2	-	o m r	*	-	64	50	b 3 c 3	c 3 b 3	b 3. b o m r	12·6
ICELAND, FAEROE, &c.	Spitsbergen ...	1027·0	12.	S	2	b	1028·4	+1	7	-3	-	0	*	b	*	*	18	-6				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		0	*	*	*				
NORTHERN EUROPE.	Vardö	1012·3	37	ESE	6	r	1012·3	0	34	0	ESE	7	-	o	4	*	39	30				
	Bodö	1002·5	36	W	2	r	1004·3	0	36	+2	SW	4	-	o	2	2	37	32				
	Christiansund	1010·9	37	W	3	c	1010·6	0	36	0	-	0	-	c	4	3	43	34				
	Skudesnaes ..	1011·9	37	NNW	4	c	1009·0	-1	37	-6	-	0	-	c	2	-	43	34				
	Færder (X'tianja Fjord)	1007·3	46	N	4	b c	1006·7	0	39	-4	NE	4	SW	b	2	-	46	37				
	The Scaw (Skagen)	1009·6	45	WSW	3	o	1006·4	0	43	-2	SSE	2	W	c	2	-	50	34				
	Blaavands Huk	1012·4	48	NNW	1	c	1009·3	0	39	-9	NE	2	-	r	3	1	50	36				
	Haparanda ...	1004·4	36	SSW	4	c	1003·9	0	36	+4	SSE	2	-	o	*	2	37	30				
	Hernösand ...	1005·3	41	SSE	4	b c	1006·3	0	39	-6	NW	4	-	b	*	-	50	34				
	Stockholm ...	1004·9	48	WSW	2	o	1006·6	0	41	-7	W	2	-	r	*	2	55	39				
	Wisby	1010·1	45	SSW	6	b c	1007·7	-2	46	+1	WSW	2	-	o	*	-	50	43				
	Karlstad	1006·7	41	NW	6	r	1006·6	0	39	-6	ENE	4	-	b c	*	-	48	30				
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1012·7	54	N	1	b	1007·5	-2	50	-2	SSW	1	-	o	0	-	59	43				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1012·4	51	NE	4	b c	1008·2	0	51	0	SSW	4	*	c	2	-	57	45				
	La Hève	1013·0	58	NE	2	b	1009·1	*	46	-6	SW	2	*	c	2	-	64	45				
	Ushant	1014·9	52	NE	2	b	1012·4	*	54	+4	NW	2	*	c	2	-	61	48				
	Brest (St. Mathieu)	1015·7	55	SW	3	b	1013·2	0	53	+3	NW	2	*	b c	2	-	70	48				
	Rochefort (Ile d'Aix)	1011·1	63	NW	4	b	1011·5	0	58	+1	WNW	4	*	c	*	-	77	55				
	Biarritz	1014·6	55	W	4	o	1014·3	0	55		WSW	4	*	o	3	5	57	55				
	Paris	1010·9	66	NNE	3	b	1010·0	0	64		-	0	W	b	*	-	70	43				
	Belfort							*					*		*							
	Lyons	1009·2	63	W	1	o	1009·5	*	57		-	0	*	c	*	-	68	56				
	Nice	1009·0	59	-	0	c	1007·4	0	60	+3	-	0	*	o	2	-	70	55				
	Perpignan ..	1009·5	64	WNW	2	o	1010·9	+2	57	-4	NW	4	-	o	*	1	78	54				
	Sanguinaire ...	1002·6	65	N	2	o	1003·9	*	55	-7	N	3	*	o	3	-	?	?				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1017·7	55	NNE	4	o	1017·2	0	52	-2	NE	1	-	m	2	-	57	46				
	Madrid (8 a.m.)	1011·5	61	N	1	o	1013·1	+1	55		-	0	N W	b	*	Trace	66	48				
	Lisbon (9 a.m.)	1011·5	64	WNW	5	b	1012·6	+1	59	0	NW	3	-	b	5	-	73	55				
	Gibraltar	1011·8	63	NW	5	b	1011·8	*	60	-1	-	0	*	b	1	-	71	58				
	Rome														*							
	Azores (Horta, 8 a.m.)	1023·0	*	SSW	3	bc	1019·1	-1	61	-2	SSW	4	*	o	3	-	70	61				
	Madeira (Funchal)	1016·4	66	N	3	bc	1019·3	+1	63	+2	N	3	N	o	2	-	68	61				
	Malta	*	*	*	*	*	1006·7	+3	64		NW	5	-	b	3	-	66	61				

RAINFALL.

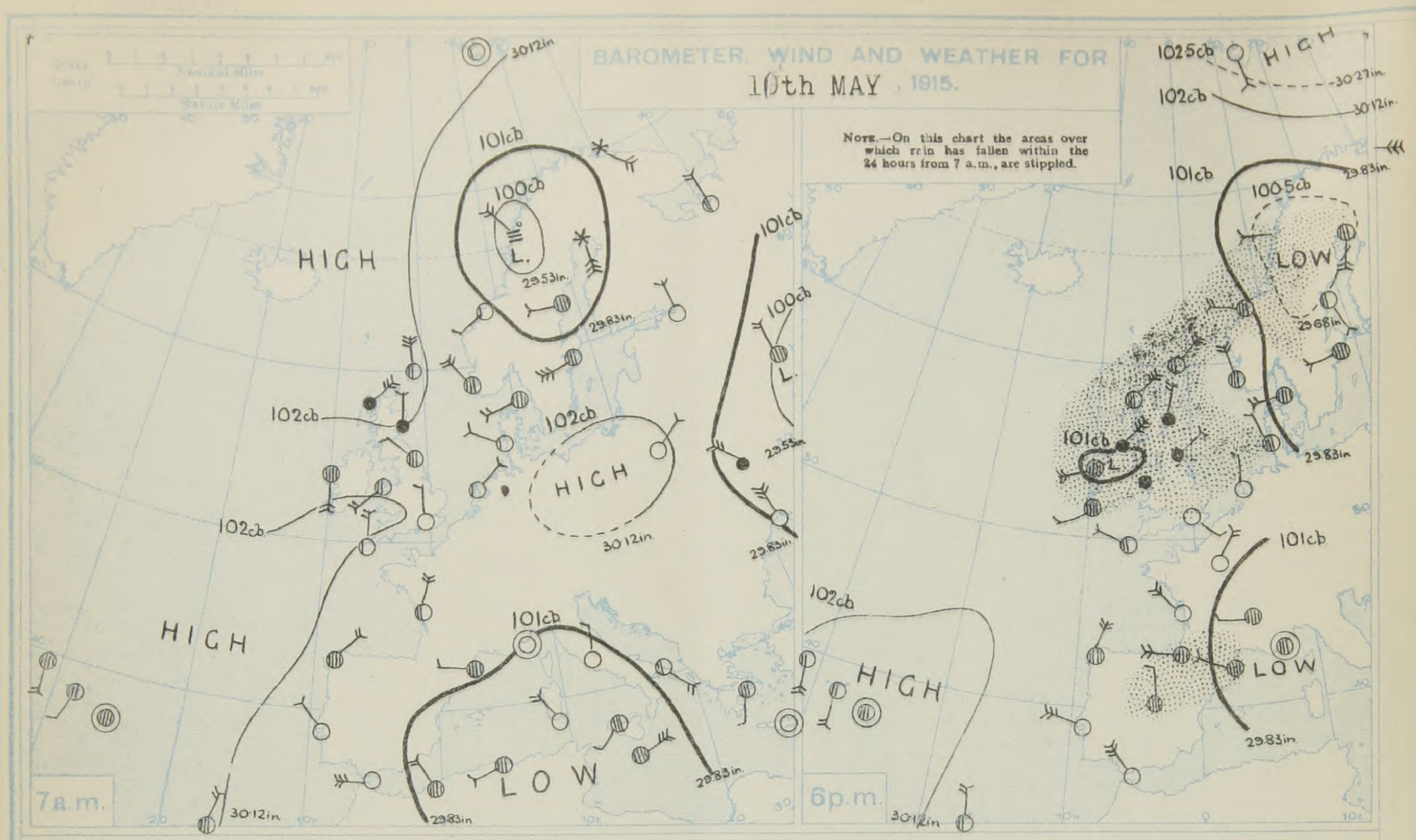
Equivalents of Millimetres in Inches.

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

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

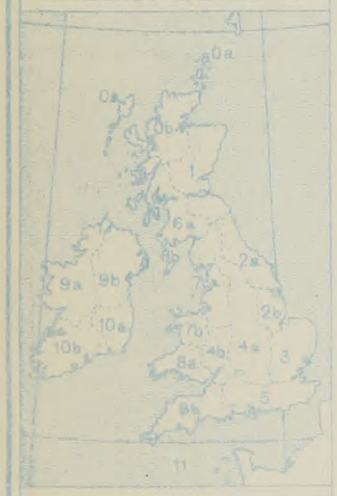
BAROMETER, WIND AND WEATHER FOR 10th MAY, 1915.

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



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

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 Western Channel and Bay

Wind between North and East, fresh at times; variable weather, fine to dull, some rain, hail or sleet; cold, night frost in places.

Light Westerly breezes, veering Northerly and North-Easterly, and freshening at times; weather variable, fine to dull, some rain, hail or sleet; temperature falling, ground frost at night.

Same as Nos. 0 to 2.

Same as Nos. 3 to 5.

Same as Nos. 0 to 2.

Light to moderate breezes between North and West, sea moderate; fair to some cold showers, local mist.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

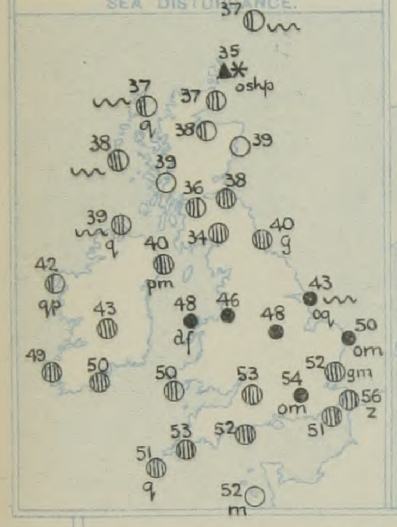
Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 11th MAY, 1915.

GENERAL INFERENCE.

A colder Northerly type of conditions is likely to become general.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols :—
○ clear sky. ◐ sky ½ clouded. ◑ sky ¼ clouded. ◍ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. =° mist. ⊤, thunder. ⊤≋, thunderstorm.

SEA DISTURBANCE.—Rough ∿∿. High ≈≈.

HIGH 7

102·5cb

102cb

101·5cb

34

101cb

100·5cb

LOW almost stationary

36 36 39 29·68in 36 32 40° 41 39 46 37 43 39

Barometer stationary

29·97in 40° 39 40 42 48 50 50° 49 50° 54 52 L O W 51 52 53 54

Barometer falling

101·5cb

Barometer almost stationary

58 52 55 57 59 60° 60 55 29·83in 55 59 60

H I G H

61 63 64

29·97in

SCALE 1:12×10⁷
Nautical Miles 0 100 200 300
Statute Miles 0 100 200 300

Normal Temperature of the Sea.

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.

DAILY WEATHER REPORT. Wednesday 12th May 1915.

REPORTS FOR YESTERDAY.

11th May, 1915

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Evening Observations: Temp. °F.	Evening Observations: Wind. Direc.	Evening Observations: Wind. Force 0–12.	Evening Observations: Weather.	7 a.m., G.M.T.: Barometer. Millibars at M.S.L.	7 a.m., G.M.T.: Barometer. Change in 3 hours.	7 a.m., G.M.T.: Temp. Dry Bulb. °F.	7 a.m., G.M.T.: Temp. Change in 24 hours. °F.	7 a.m., G.M.T.: Wind. Direc.	7 a.m., G.M.T.: Wind. Force 0–12.	7 a.m., G.M.T.: Direc. of Upper Cloud.	7 a.m., G.M.T.: Weather.	7 a.m., G.M.T.: Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Haparanda	1015·9	34	SW	4	0	1007·1	−4	32	0	S	6	–	S	*	1	37	30
Hernosand	1016·8	37	WSW	4	c	1007·1	−2	45	+6	W	2	–	0	*	–	45	36
Stockholm	1022·3	48	WSW	2	c	1013·0	−3	48	+7	WSW	6	W	C	*	–	52	37
Wisby	1026·3	41	WSW	2	b	1018·4	−4	46	+6	WSW	4	SW	b	*	–	46	37
Karlstad	1022·0	48	SW	4	c	1012·2	−5	45	+2	SSW	4	–	0	*	–	52	39
Nice	1011·4	63	–	0	r	1010·0	0	57	−7	–	0	*	0	2	7	72	54
Perpignan	1012·0	59	NE	1	0	1011·1	0	61	+6	W	1	–	0	*	15	63	54

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	49	45	r	o	0·0
Scotland.	Banff	8	39	37	r	r̀o	0·0
Scotland.	St. Andrews	9	43	38	*	*	0·0
Scotland.	Carnoustie	8	42	40	*	*	0·0
Eng. N.E.	Harrogate	–	63	40	bc.c	o	2·5
Eng. N.E.	Scarborough	*					
Eng. N.E.	Skegness	–	58	40	ogu	og	7·4
Eng. N.W.	Morecambe	2	52	43	o	od	0·1
Eng. N.W.	Blackpool	1	56	45	o	or	0·6
Eng. N.W.	Southport	–	58	42	o.bc.o	or	2·2
Midlands.	Buxton	–	63	38	bc	bc	4·4
Midlands.	Leamington Spa	–	67	36	b	b.o	8·0
Midlands.	Malvern	–	68	45	b	bc.c	10·6
Midlands.	Ross-on-Wye	–	69	35	bzw	b.bc.c	9·0
Wales.	Rhyl	–	58	39	bc.c	cp	3·8
Wales.	Colwyn Bay	–	57	42	c	bc.o	6·8
Wales.	Llandudno	–	64	42			3·5
Wales.	Aberystwyth	–	56	42	c.bc	c.o	8·0
Wales.	Tenby	–	64	46	b	bc	9·8
Wales.	Swansea						
England. E.	Cromer	–	59	42	b	bc.o	11·0
England. E.	Lowestoft	–	57	?	b	b.bc	13·0
England. E.	Felixstowe	–	55	40	b	bv	12·7
England. E.	Walton-on-Naze	–	57	41	b	b.bc.c	11·3
England. E.	Southend-on-Sea	–	63	42	b	b.bc	11·8
England, S.E.	Tunbridge Wells	–	68	40	b	b.bc	11·4
England, S.E.	Margate	–	56	47	b	b	11·6
England, S.E.	Ramsgate	–	58	45	b	b	11·2
England, S.E.	Folkestone						
England, S.E.	Hastings	–	64	45	b	b	12·5
England, S.E.	Bexhill-on-Sea	–	68	42	b	b	?
England, S.E.	Eastbourne	–	61	44	b	bz	12·0
England, S.E.	Seaford						
England, S.E.	Brighton	–	67	45	b	b.bc	11·9
England, S.E.	Worthing	–	65	45	b	bc	11·6
England, S.E.	Littlehampton	–	63	*	b	b	12·8
England, S.E.	Bognor	–	62	45	b	b	12·3
England, S.E.	Southsea	–	65	46	b	b	12·6
England, S.E.	Bournemouth	–	66	40	b	b.bcz	11·0
England, S.W.	Weymouth	–	67	44	b	bz	11·7
England, S.W.	Torquay	–	64	46	b	b	12·7
England, S.W.	Paignton	–	63	48	b	b	12·3
England, S.W.	Falmouth	–	64	46	b	b	12·4
England, S.W.	Penzance	–	66	46	b	b.bc	12·5
England, S.W.	Newquay	–	58	43	bz	bz	11·5
England, S.W.	Ilfracombe	–	57	44	b	b	11·5
England, S.W.	Weston-super-Mare	–	64	41	b	b.bc.b	11·5

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday. %	Humidity. 9 a.m. To-day. %	Sunshine for Yesterday. Hr.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-day.) °F.	Temperature. In Screen. Min. (24 hours ended 9 a.m. To-day.) °F.	Temperature. Min. on Grass. (24 hours ended 9 a.m. To-day.) °F.	Rainfall. (24 hours ended 9 a.m. To-day.) mm.§	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
Greenwich (Royal Obsy.)	43	81	10·3	69	49	38	–	b	b.cz	cz.b.od
City (Bunhill Row)	*	*	9·5	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	45	80	9·6	67	49	44	–	c	c	bcmp
Camden Sq. (Brit. Rainfall)	41	72	8·7	72	51	46	–	b	b.c	*
Hampstead (Reservoir)	*	77	10·6	66	48	38	–	bc	bc	od
Richmond Park	*	*								
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	40	75	10·1							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1694 Joules	30·8 Milliwatts.	59 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall. mm §	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Night Min. on Grass. F.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday. Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.	1	63	41	37	baw	bc	bc.or	1·9
Manchester ,,	1	66	41	*	or	o	or	0·6
Birmingham ,,	2	67	42	27	b	bz	c.or	4·2
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	–	68	44	33	b	b	b.bc.cz	*

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

12th & 13th May, 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.4	11.49	7.34
	4.2	11.49	7.36
Greenwich	4.15	11.56	7.37
	4.13	11.56	7.39
Wick	3.54	12.8	8.22
	3.52	12.8	8.25
Valencia	4.54	12.31	8.26
	4.52	12.31	8.22

NOTES ON YESTERDAY'S WEATHER.

Temperature was low in Scotland, not passing 40° in places. At many southern stations the maxima exceeded 60°, Bath and Ross touching 69°. Rain, hail and snow fell in the north, up to 20 mm. at Eskdalemuir. Scotland and Ireland had little or no sunshine, England generally large records, up to 13½ hours at Jersey.

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

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No.

Thursday 13th May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars 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.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday.
			°F.					‡	F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1010.4	39	WNW	3	c	1010.9	0	38	+1	NE	2	N	b	2	2	42	32	bc	bcp	bcps	*
	Deerness ...	1013.2	40	NW	5	bc	1011.8	*	38	+3	NNW	4	N	cph	3	3	44	34	ops c.bc	bcsp	bc.cphs	9.6
	Stornoway ...	1017.0	39	NNE	5	bcpsq	1014.7	0	37	0	N	4	–	c	4	1	43	30	bcpsq	bcpsq	bc.c	9.0
	Castlebay (Barra Isd.)	1016.2	39	N	3	c	1013.8	0	38	0	N	2	N	chp	2	3	44	35	chp.bc	chspc	hp.o.bc	6.5
	Glasgow ...	1014.0	44	ESE	2	bc	1013.1	-1	35	-1	E	1	N	b	*	Trace	46	32	c bc.c	c	bc.bc	7.1
	Eskdalemuir ...	1013.6	38	ESE	3	bc	1012.9	0	35	+1	NE	3	–	c	*	–	43	25	opso.c	c	bc.bc	3.8
	Malin Head ...	1013.9	42	NNE	4	bcq	1011.7	-1	40	+1	NNE	4	N	bc	4	–	46	38	bcq	bcq	bc	12.0
	Blacksod Point	1013.2	43	NNE	5	bc	1009.6	-3	41	-1	ENE	4	E	bc	3	–	53	36	bcqp	bcq	bc	*
	Valencia ...	1008.4	48	NE	3	r	1004.3	-3	42	-7	NE	5	–	o	3	1	51	41	o	or	o.c.o	0.0
	Roche's Point	1010.9	47	NE	2	r	1005.7	*	43	-7	NE	2	–	o	2	2	53	42	og	ogr	r.og	*
	Birr Castle ...	1011.5	45	NE	3	o	1008.3	*	41	-2	NE	3	–	o	*	–	47	37	c.o	o	o	0.2
	Donaghadee ...	1012.3	44	NE	4	cm	1010.4	-2	41	+1	ESE	4	E	bc	3	0.1	45	37	c	cmp	cgm.bc	*
	Liverpool (Bidston)	1010.7	40	ENE	3	o	1009.2	-2	40	-6	ENE	3	E	o	3	4	52	38	or	od	o	0.0
	Holyhead ...	?	44	E	6	om	1008.1	-1	42	-6	E	5	E	cm	5	–	48	40	opdom	om	om	0.0
	Pembroke (St. Ann's)	1008.3	46	NNE	3	o	1004.2	-2	43	-7	ESE	4	SE	or	3	5	51	42	c	og	og	0.6
	Scilly (St. Mary's)	1009.2	51	WSW	2	omr	1001.5	-1	52	+1	W	3	–	omr	4	16	59	50	c	omr	omr	2.8
	Falmouth ...	1009.2	54	W	3	r	1001.1	0	53	0	SW	3	–	o	4	14	59	50	o.bc.o	o	r.o	1.4
	Jersey (St. Aubin)	1010.1	54	W	4	b	1005.5	*	53	+1	SSW	3	–	omr	3	4	58	48	f.c.bc	bcb	omr	8.3
	Portland Bill ...	1007.7	51	WSW	3	bc	1002.8	-4	49	-3	E	3	–	or	3	3	54	49	c	bc	omr	*
	Dungeness ...	1006.7	52	WSW	3	cg	1006.7	-1	49	-2	NE	1	–	omr	2	2	56	47	cg	bcg	c.omr	*
	Dover	1007.5	50	N	3	m	1006.9	0	48	-8	NNE	1	–	or	2	3	59	46	3c	cc30	or	0.2
	Wick	1014.4	40	NW	3	c	1012.2	0	39	+2	NW	4	N	c	3	1	42	31	cgsp	cmg	cm.ohp	*
	Nairn	1015.6	35	E	1	os	?1012.9	*	35	-3	–	0	–	bc	2	2	44	28	rh.pbc	bchsp	prs.bc	9.0
	Aberdeen ...	1014.2	42	NNW	3	bc	1012.2	-1	38	-1	WNW	4	–	b	3	0.1	44	31	bcsup	bc	bc.b	9.7
	Leith	1014.1	42	ENE	3	o	1012.8	-1	36	-2	WSW	1	–	bc	*	6	46	33	o.c.bc	bc	c.bc.s	*
	Tynemouth ...	1012.7	42	NE	3	bc	1011.9	-1	41	+1	N	1	N	bc	3	1	44	35	cm	c	bc	*
	Spurn Head ...	1011.4	42	ENE	6	o	1011.1	0	42	-1	E	5	–	cv	5	6	43	38	ovq	orv	orv.c	0.0
	Yarmouth ...	1009.3	45	NE	5	o	1008.8	0	44	-6	NE	5	–	or	3	2	51	42	om	o	o	0.0
	Clacton-on-Sea	1007.7	49	NNE	3	og	1007.7	0	45	-7	NE	4	NE	ogr	3	2	49	46	opcgm	cmog	ogr	0.5
	Nottingham ...	1010.6	40	ENE	4	r	1009.5	*	40	-8	NE	4	NE	r	*	4	48	38	or	r	r.d.o	0.0
	Bath	1007.3	58	W	2	c	1005.4	*	43	-10	E	4	E	r	*	7	63	42	o.c.bc	bc.c.o	or	6.2
	London (Kew Obsy.)	1007.7	52	NNE	3	o	1006.7	-2	46	-8	ENE	3	–	omr	*	7	65	44	opm.o.	o	o.omr	1.8
ICELAND, FAEROE, &c.	Spitsbergen ...	1027.0	14	S	1	b	1025.0	-3	12	+5	SE	2	*	b	*	*	19	-2				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*									
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1009.9	32	SE	6	o	1005.6	+1	39	+5	S	2	–	b	3	*	34	28				
	Bodö	1005.6	39	SW	2	bc	1005.2	0	37	+1	E	4	–	b	2	–	39	28				
	Christiansund	1009.3	39	W	1	b	1004.8	-1	36	0	SW	3	–	s	3	Trace	43	36				
	Skudesnaes ..	1008.0	41	NNW	4	b	1008.0	0	43	+6	NNW	3	–	b	2	–	44	32				
	Færder (X'ianiaFjord)	1005.7	39	N	3	o	1006.6	0	39	0	N	2	–	o	1	1	39	37				
	The Scaw (Skagen)	1005.6	43	W	3	b	1006.7	0	39	-4	WSW	2	–	c	2	–	48	34				
	Blaavands Huk	1009.3	43	N	2	c	1009.5	0	43	+4	NW	2	SW	c	2	Trace	45	37				
	Haparanda ...	1005.5	30	S	2	bc	1007.3	+1	34	-2	S	2	–	b	*	–	41	27				
	Hernösand ...	1007.0	39	S	2	b	1007.3	0	41	+2	E	4	–	b	*	–	48	27				
	Stockholm ...	1006.3	41	E	2	o	1004.8	0	41	0	E	2	–	o	*	2	46	37				
	Wisby	1005.6	46	SSE	2	o	1006.7	+2	41	-5	NW	2	–	o	*	Trace	46	39				
	Karlstad	1003.9	45	E	2	c	1005.3	?	39	0	?	4	–	r	*	12	39	32				
	Petrograd (6 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1007.8	46	NE	5	r	1009.0	0	45	-5	NE	5	–	r	1	1	54	45				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1007.5	52	SW	5	c	1006.3	0	50	-1	SSW	3	*	r	2	1	55	48				
	La Hève	1007.5	52	NW	2	m	1005.3	*	50	+4	SSE	3	*	r	3	1	57	46				
	Ushant	1011.1	52	SW	3	o	1005.7	*	54	0	WSW	5	*	r	3	2	59	50				
	Brest (St. Mathieu)	1011.9	54	SSW	1	o	1006.6	-1	54	+1	SW	4	*	m	3	2	68	53				
	Rochefort (Ile d'Aix)	1011.9	59	W	3	c	1012.2	0	57	-1	WSW	4	*	o	*	–	68	54				
	Biarritz	1014.4	58	WNW	3	bc	1014.6	0	57	+2	ESE	2	*	b	2	–	61	50				
	Paris	1007.9	66	WNW	2	b	1009.5	0	55	+1	S	1	–	o	*	–	73	46				
	Belfort							*					*		*							
	Lyons	1009.0	67	–	0	b	1011.7	*	59	0	–	0	*	b	*	–	71	49				
	Nice												*									
	Perpignan ..	1011.0	64	NW	2	b	1012.7	+2	61	+4	W	2	–	b	*	–	72	54				
	Sanguinaire ...							*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1016.4	59	NW	3	b	1015.1	+2	59	+7	S	3	–	o	2	–	59	52				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar	1012.8	63	NW	2	b	1013.5	*	58	-2	E	2	*	f	1	–	70	57				
	Rome														*							
	Azores (Horta, 8 a.m.)	1017.1	*	SW	4	o	1012.4	0	64	+3	SSW	5	*	o	3	–	68	61				
	Madeira (Funchal)	1013.9	66	N	3	bc	1016.8	+1	61	-2	NNE	2	–	b	2	–	68	59				

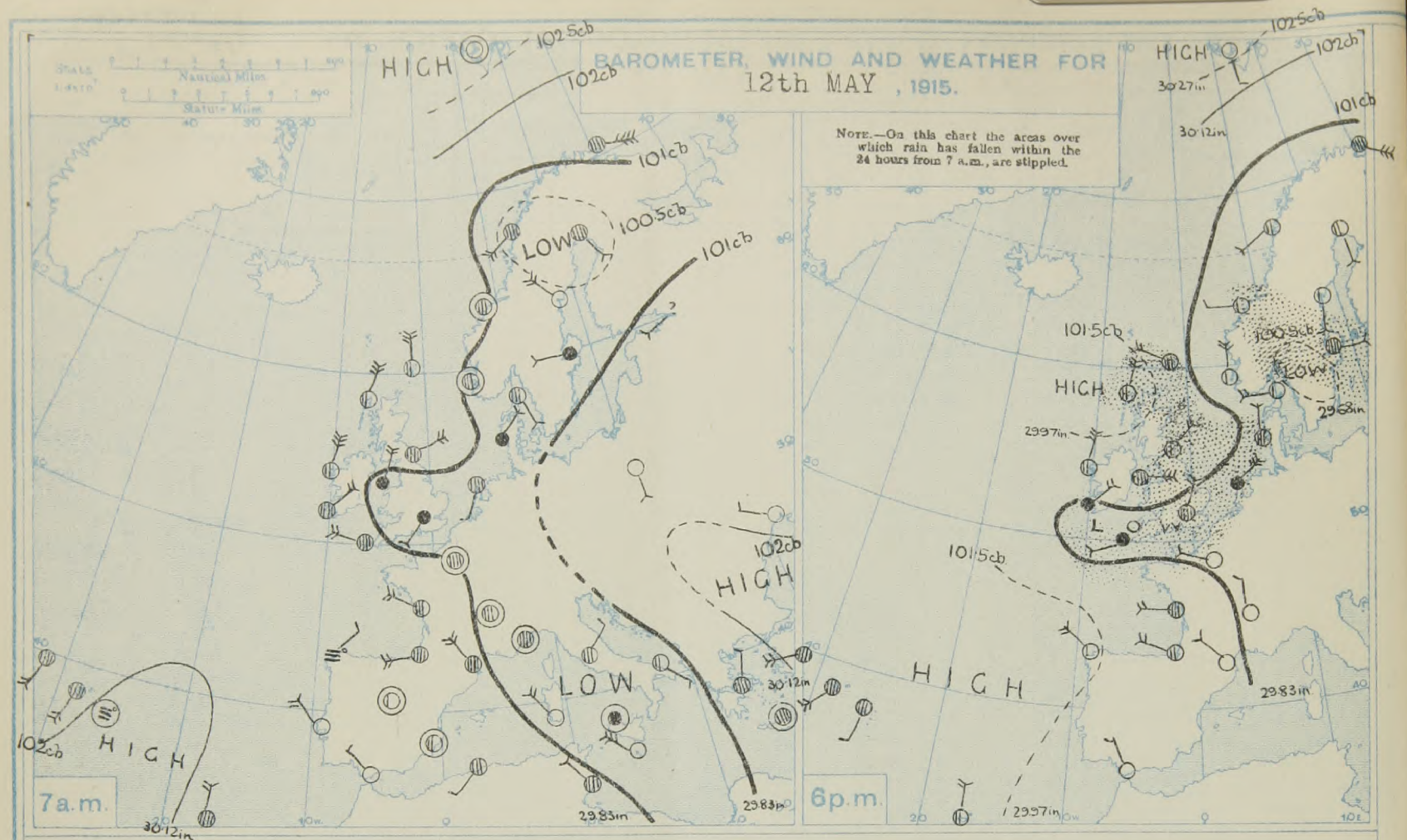
RAINFALL.

Equivalents of Millimetees. in Inches.

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

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

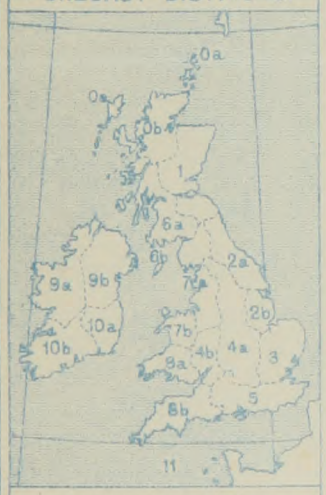
BAROMETER, WIND AND WEATHER FOR 12th MAY, 1915.



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

FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NO WARNINGS ISSUED.

0 {a b} 1 — Light breezes, mainly Northerly; fine to dull, some rain, hail or sleet showers; cold.

2 {a b} — Moderate to light Easterly breezes; fair periods, rain or sleet showers, cold.

3 4 {a b} 5 — Moderate to light Easterly breezes; rainy, misty, some fairer periods later; cold.

6 {a b} — Same as Nos. 0 & 1.

7 {a b} — Same as No. 2.

8 {a b} — Same as Nos. 3 - 5.

9 {a b} 10 — Light to moderate North-Easterly and Easterly breezes; fair to dull, some rain later, cold.

Western Channel and Bay 11 — Moderate to fresh South-Westerly breezes; sea moderate; dull, some rain, mist or fog; cool.

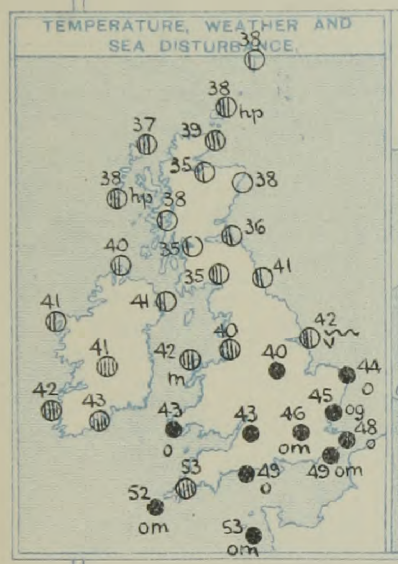
FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendant, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., THURSDAY, 13th MAY, 1915.

GENERAL INFERENCE.

Conditions remaining of an unsettled type 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 ½ clouded. ◑ sky ½ clouded.
◍ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊤≈, thunderstorm.

SEA DISTURBANCE.—Rough ∿∿. High ∿∿.

HIGH
30·27in
1025cb
1020cb
30·12in
1015cb
29·97in
1010cb
LOW
1005cb
40°
HIGH
101·5cb
29·97in
Barometer
Stationary
29·83in
29·68in
Barometer falling
50°
LOW
100·5cb
101cb
60°
101·5cb
HIGH
29·97in

Scale 1:12×10⁶
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea.
Below 40° | 40°-50° | 50°-60° | Above 60°
Scale of Tints for MAY.

Inches.
31
30
29

DAILY WEATHER REPORT. Thursday, 13th May 1915.

REPORTS FOR YESTERDAY.

12th May 1915

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Rome	1008·0	66	SW	1	b	1005·6	0	63	0	NE	1	–	c	4	–	79	61

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	7	49	34	bc	bc	12·3
Scotland.	Banff	2	43	33	bshp.bc	bcsp.b	10·3
Scotland.	St. Andrews	2	45	36	*	*	8·6
Scotland.	Carnoustie	·3	46	33	*	*	9·4
Eng., N.E.	Harrogate	24	42	35	op	op	0·0
Eng., N.E.	Scarborough	*					
Eng., N.E.	Skegness	6	45	42	r.o	or	0·0
Eng., N.W.	Morecambe	16	44	39	r.o	o	0·0
Eng., N.W.	Blackpool	9	43	39	or.o	o	0·0
Eng., N.W.	Southport	11	42	38	or	o	0·0
Midlands.	Buxton	11	45	35	or	or	0·0
Midlands.	Leamington Spa	2	55	47	c	opd	0·4
Midlands.	Malvern	6	49	42	c	c	1·1
Midlands.	Ross-on-Wye	1	61	43	o.c	cd.omr	6·3
Wales.	Rhyl	10	43	39	r	r	0·0
Wales.	Colwyn Bay	9	47	38	r	r	0·0
Wales.	Llandudno	7	61	43			0·0
Wales.	Aberystwyth	–	50	48	m.o.c	c.o	0·0
Wales.	Tenby	–	56	50	bc.o	bc.o	1·0
Wales.	Swansea						
England, E.	Cromer	5	53	42	or	od	0·0
England, E.	Lowestoft	1	49	45	or	or	0·0
England, E.	Felixstowe	–	59	49	om	o	0·5
England, E.	Walton-on-Naze	–	58	46	omd	og	0·4
England, E.	Southend-on-Sea	–	64	49	o.c	c.o	0·8
England, S.E.	Tunbridge Wells	–	64	45	o.bc	o.bc.o	0·8
England, S.E.	Margate	–	64	48	o	o	0·4
England, S.E.	Ramsgate	1	61	46	c	cp	0·2
England, S.E.	Folkestone						
England, S.E.	Hastings	–	60	47	o	o.bc	1·9
England, S.E.	Bexhill-on-Sea	1	65	48	bc.b	bc.o	2·6
England, S.E.	Eastbourne	–	60	48	o.bc.o	bc.b.bc	3·0
England, S.E.	Seaford						
England, S.E.	Brighton	–	58	45	o.c.bc	bc.c.o.c	1·5
England, S.E.	Worthing	–	65	43	o	bc	1·1
England, S.E.	Littlehampton	–	59	*	o	o3	1·2
England, S.E.	Bognor	–	60	45	c	c	1·6
England, S.E.	Southsea						
England, S.E.	Bournemouth	–	61	45	o	o	0·8
England, S.W.	Weymouth	–	62	48	bc3	bc3	1·3
England, S.W.	Torquay	–	62	52	o	c.o	1·2
England, S.W.	Paignton						
England, S.W.	Falmouth	–	59	50	o.bc.o	o	1·4
England, S.W.	Penzance	0·3	60	51	c	c.or	0·6
England, S.W.	Newquay	0·3	54	51	o	o	0·0
England, S.W.	Ilfracombe	1	57	49	o	o	1·2
England, S.W.	Weston-super-Mare	–	59	50	c.bc.b	b.bc.c	4·5

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	24 Hours ended 9 A.M. To-Day. °F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	76	97	2·1	69	44	48	10	c.o	o	o.or
City (Bunhill Row)	*	*	2·3	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	72	94	2·3	66	50	45	12	bc.o	bc	bc.or
Camden Sq. (Brit. Rainfall)	66	95	2·3	69	44	45	12	c	bc.c	*
Hampstead (Reservoir)	*	93	1·9	63	41	35	12	c.o	o	or
Richmond Park	*	*	2·9							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	69	93	2·2							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1128 Joules	20·4 Milliwatts.	85 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.	13	51	35	34	or	ows	our	0·0
Manchester ,,	13	54	38	*	o	or	r.o	0·0
Birmingham ,,	6	54	39	49	r	c.or	r	0·4
Oxford to 9 p.m.	*	61	44	44	bcg.op	c.o.c	c.o	*
Teignmouth to 9pm.								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	Trace	67	51	42	o.bc.o.c	c.o	o	*

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

13th 14th May, 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.2 / 4.0	11.49 / 11.49	7.36 / 7.38
Greenwich	4.13 / 4.12	11.56 / 11.56	7.39 / 7.40
Wick	3.52 / 3.50	12.8 / 12.8	8.25 / 8.27
Valencia	4.52 / 4.50	12.37 / 12.37	8.22 / 8.24

NOTES ON YESTERDAY'S WEATHER.

In many districts the day was cold, with numerous afternoon temperatures from 42° to 45°. Rain fell generally, hail or snow in the north. Over England there was little or no sunshine, Scotland and the north of Ireland good records, 12 hours at Malin Head, 12·3 hours at Oban.

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

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No.

Friday 14th May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours. ‡	Temp. Dry Bulb. °F	Change in 24 hours. °F	Wind. Direc.	Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Min. °F.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1013·6	42	N	4	bc	1013·8	0	40	+2	NNW	3	N	bc	3	1	44	34	bcpsh	bcpsh	bc	*
	Deerness ...	1013·5	42	N	4	bc	1015·2	*	41	+3	N	3	NW	b	2	2	46	32	cphs	cphc.bc	ph.bc.b	8·8
	Stornoway ...	1014·5	41	E	4	c	1016·7	+2	39	+2	NE	3	–	bc	3	3	46	32	chcps	bc.c	b.bc	7·3
	Castlebay (Barra Is.)	1013·8	43	NNE	3	bq	1016·8	+2	42	+4	N	3	–	b	3	0·1	47	36	chpbc	bc.bq	bq.b	12·8
	Glasgow ...	1011·4	43	NE	3	b	1016·2	+4	38	+3	N	1	NW	bc	*	–	50	33	bcc.bc	bc.b	bc.o.bc	10·3
	Eskdalemuir ...	1010·9	42	NE	4	bq	1015·5	+3	38	+3	NE	2	W	b	*	–	46	29	c	cq	bcq.bq	9·2
	Malin Head ...	1011·5	44	NNE	4	bc	1015·8	+2	41	+1	E	3	NE	c	2	1	49	36	bc	bc	csp	9·9
	Blacksod Point	1010·9	45	NNE	5	bc	1017·3	+5	36	–5	WNW	2	N	bchp	3	1	50	36	bc	bc	bc.chp	*
	Valencia ...	1007·8	49	N	5	c	1017·8	+5	44	+2	–	0	NW	o	3	–	61	40	cq	bcq	c.bc.d.c	4·1
	Roche's Point	1006·2	48	NNE	3	o	1017·9	*	46	+3	N	1	–	b	2	1	49	43	op	om	o.b	*
	Birr Castle ...	1008·3	47	NE	3	c	1017·8	*	41	0	N	1	N	c	*	–	47	39	c.o	o.c	c	2·4
	Donaghadee ...	1009·4	46	ENE	3	cq	1015·8	+2	42	+1	ENE	1	E	cw	1	–	48	39	bc	bc	cq.cw	*
	Liverpool (Bidston)	1007·4	43	ENE	4	o	1014·4	+5	38	–2	NE	2	–	b	2	–	45	34	om	o	c.b	0·0
	Holyhead ...	1006·6	46	E	7	om	1015·2	+5	43	+1	NE	4	NE	bc	3	–	48	40	c.om	o.c.om	o.b.bc.c	0·9
	Pembroke (St. Ann's)	1002·2	43	ESE	4	r	1014·7	+5	42	–1	NNE	3	N	cp	3	12	45	39	or	or	or	0·0
	Scilly (St. Mary's)	997·1	49	NNE	6	omr	1014·9	+8	46	–6	N	3	N	c	5	10	54	44	mfr	fr	omd.o.c	0·0
	Falmouth ...	996·8	54	SW	4	r	1014·8	+9	44	–9	N	3	–	o	3	13	55	43	or	or	o	0·0
	Jersey (St. Aubin)	1002·3	56	SSW	4	op	1012·2	*	44	–9	NW	3	–	o	3	5	60	43	ocp	opd	op.o	0·0
	Portland Bill ...	999·2	51	SSW	4	omr	1011·2	+10	42	–7	NNW	5	N	o	3	37	52	38	om.fr	omfr	or.c.bc	*
	Dungeness ...	1001·7	52	SW	4	orq	1005·1	+10	43	–6	N	5	–	om	3	32	52	42	orq	orq	or.o	*†
	Dover	1002·1	52	SW	4	r	1005·6	+8	43	–5	NNW	7	N	o	5	44	62	41	o.r	o.r	r.o	0·0
	Wick	1013·7	40	NE	4	c	1015·7	+2	37	–2	W	2	–	bc	2	Trace	43	28	cph.c	c	c.bcx	*
	Nairn	1013·5	42	E	2	cq	1016·2	*	36	+1	–	0	–	bc	2	5	47	32	bc	bcqq	hsp.cp	9·2
	Aberdeen ...	1012·5	44	NE	3	b	1015·6	+3	38	0	NW	3	–	b	3	Trace	48	31	bcp	bcp	b.bc.b	12·2
	Leith	1012·9	42	ENE	2	bc	1015·3	+4	41	+5	NNW	3	–	b	*	–	49	36	bc.b	b.bc	bc.c.o	*
	Tynemouth ...	1011·5	43	ENE	2	b	1013·1	+2	41	0	ENE	4	N	cp	4	–	47	39	bc	b	bc	*
	Spurn Head ...	1008·9	45	E	6	r	1010·3	+2	44	+2	N	7	–	bcq	6	1	46	39	cqpv	cqpor	o.c.q	0·0
	Yarmouth ...	1006·2	42	ENE	7	r	1007·3	+5	41	–3	NNE	6	N	o	4	30	44	39	omr	omr	orq	0·0
	Clacton-on-Sea	1003·4	46	NE	5	ogr	1006·5	+6	41	–4	NNW	4	N	og	3	27	47	38	ogr	ogr	ogr.og	0·0
	Nottingham ...	1007·4	38	NE	4	r	1011·1	*	41	+1	N	4	NE	bc	*	13	42	36	r	r	r	0·0
	Bath	1001·6	43	E	3	r	1013·3	*	41	–2	N	3	N	o	*	23	47	36	r	ro	rq.o	0·0
	London (Kew Obsy.)	1002·6	46	ENE	4	omr	1009·1	+8	41	–5	NNE	4	–	o	*	39	48	37	oms	omr	or.o	0·0
ICELAND, FAEROE, &c.	Spitsbergen ...	1022·0	19	–	0	b	1018·4	–4	27	+15	–	0	*	o	*	*	27	10				
	Isafjord												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1008·0	37	S	4	c	1005·9	–1	41	+2	N	4	–	o	2	*	41	32				
	Bodö	1006·4	39	–	0	b	1005·5	0	37	0	E	2	–	b	2	–	43	30				
	Christiansund	1007·3	39	W	2	s	1007·7	+1	37	+1	W	5	–	c	4	7	41	36				
	Skudesnaes ...	1009·9	39	WNW	4	c	1009·9	0	41	–2	NNW	3	–	b	2	4	45	34				
	Færder (Xiania Fjord)	1007·0	41	W	2	b	1008·7	0	41	+2	NNE	4	W	b	1	–	45	37				
	The Scaw (Skagen)	1009·1	45	W	2	b	1007·9	0	45	+6	ENE	1	–	c	0	–	48	34				
	Blaavands Huk	1010·1	43	N	2	o	1006·1	+1	39	–4	ENE	2	–	o	3	–	46	36				
	Haparanda ...	1007·7	43	=	0	b	1005·0	–2	43	+9	N	2	–	b	*	–	46	27				
	Hernösand ...	1006·7	43	–	0	bc	1008·0	+2	46	+5	SSE	2	–	b	*	–	48	34				
	Stockholm ...	1005·6	46	SW	2	bc	1007·9	+2	46	+5	E	2	W	c	*	–	52	37				
	Wisby	1008·3	46	SSW	2	bc	1008·7	0	43	+2	NW	2	N	o	*	1	48	41				
	Karlstad	1006·9	41	W	2	c	1009·1	+1	41	+2	NW	2	–	b	*	Trace	48	30				
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1006·4	43	NE	6	r	1001·2	0	41	–4	NNE	7	–	r	7	25	45	41				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1001·3	53	SW	7	r	1003·3	+9	43	–7	N	7	*	o	6	23	55	43				
	La Hève	1001·6	55	SW	5	o	?	*	44	–6	N	4	*	r	5	3	63	41				
	Ushant							*					*									
	Brest (St. Mathieu)	1002·6	54	SW	5	m	1014·9	+8	49	–5	NNW	5	*	o	6	1	57	48				
	Rochefort (Ile d'Aix)	1011·4	59	SW	6	r	1013·5	+7	54	–3	WNW	7	*	o	*	6	61	54				
	Biarritz												*									
	Paris	1007·8	61	SSW	4	o	1003·1	+2	57	+2	SW	4	–	o	*	1	66	55				
	Belfort							*					*		*							
	Lyons	1010·9	67	–	0	c	1013·9	*	57	–2	S	1	*	c	*	3	73	55				
	Nice	1008·8	61	–	0	b	1013·1	+1	59	–3	S	1	*	c	1	–	72	55				
	Perpignan ...	1012·4	68	–	0	b	1016·3	+5	64	+3	–	0	–	c	*	–	77	55				
	Sanguinaire ...	*	57	SW	2	f	*	*	63		SE	2	*	f	3	–	?	?				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1015·4	66	SW	5	o	1020·7	+4	55	–4	NE	2	–	f	2	3	68	55				
	Madrid (8 a.m.)	1011·3	75	W	2	bc	1017·7	+4	63		–	0	–	b	*	–	79	54				
	Lisbon (9 a.m.)																					
	Gibraltar	1015·2	66	E	2	f	1015·6	*	59	+1	E	4	*	f	3	–	71	57				
	Rome														*							
	Azores (Horta, 8 a.m.)	1011·1	*	SW	5	o	1015·1	+2	59	–5	WSW	3	*	b	3	3	66	54				
	Madeira (Funchal)	1017·1	68	NE	3	bc	1021·1	0	59	–2	NE	3	N	b	3	–	68	59				
	Malta	*	*	*	*	*	1016·6	+2	64	+1	NW	5	–	b	2	–	68	61				

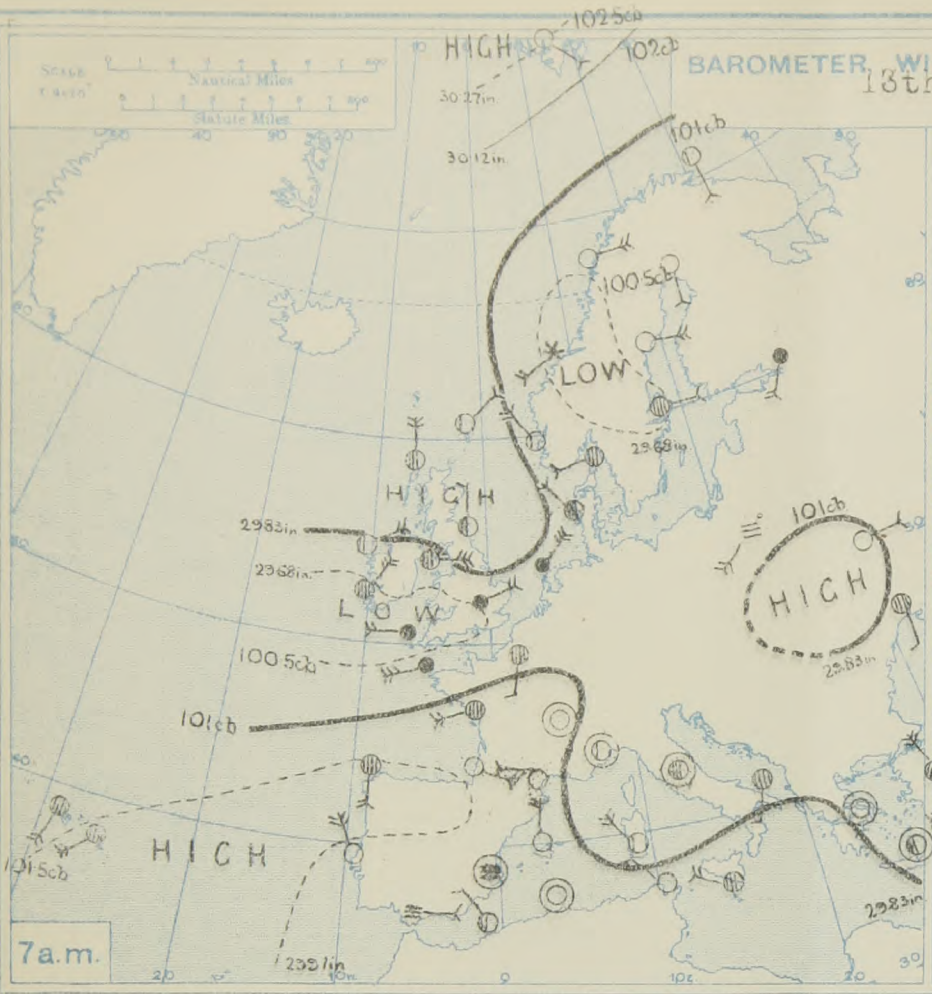
RAINFALL.

Equivalents of Millimetees in Inches.

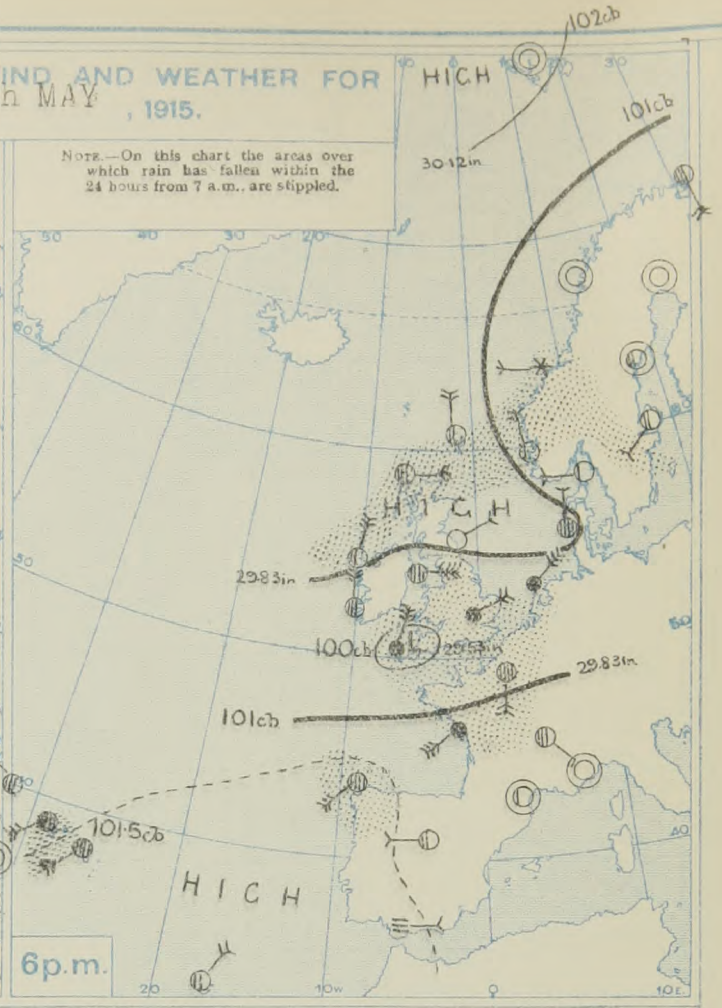
mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69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

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

BAROMETER, WIND AND WEATHER FOR 18th MAY, 1915.

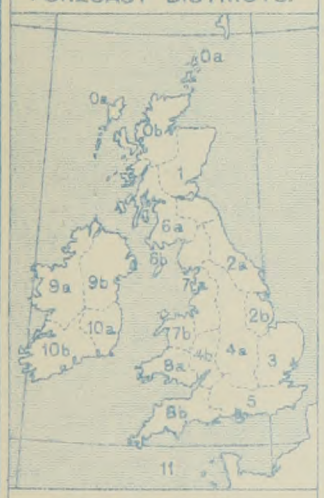


Note.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NO WARNINGS ISSUED.

0	a	Moderate to light Northerly to variable breezes;
	b	
1		
2	a	
	b	
3		
4	a	mostly fair to fine, but some cold precipitation locally;
	b	
5		
6	a	night frost in places.
	b	
7	a	
	b	
8	a	
	b	
9	a	
	b	
10	a	
	b	
Western Channel and Bay	11	Moderating winds between North-West and North; sea rough to moderate; dull to fair or fine, local fog and some cold showers.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

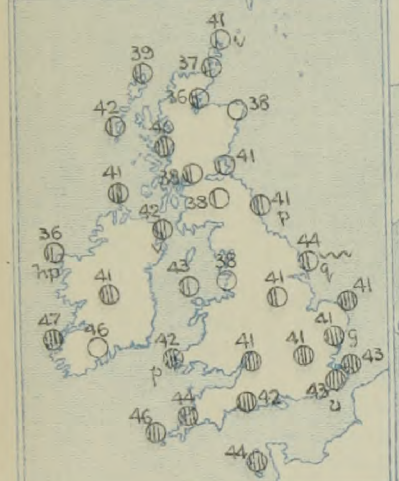
Millibars Inches
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., FRIDAY, 14th MAY, 1915.

GENERAL INFERENCE.

Under the influence of the Atlantic anticyclone quieter and fairer cold weather is indicated.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

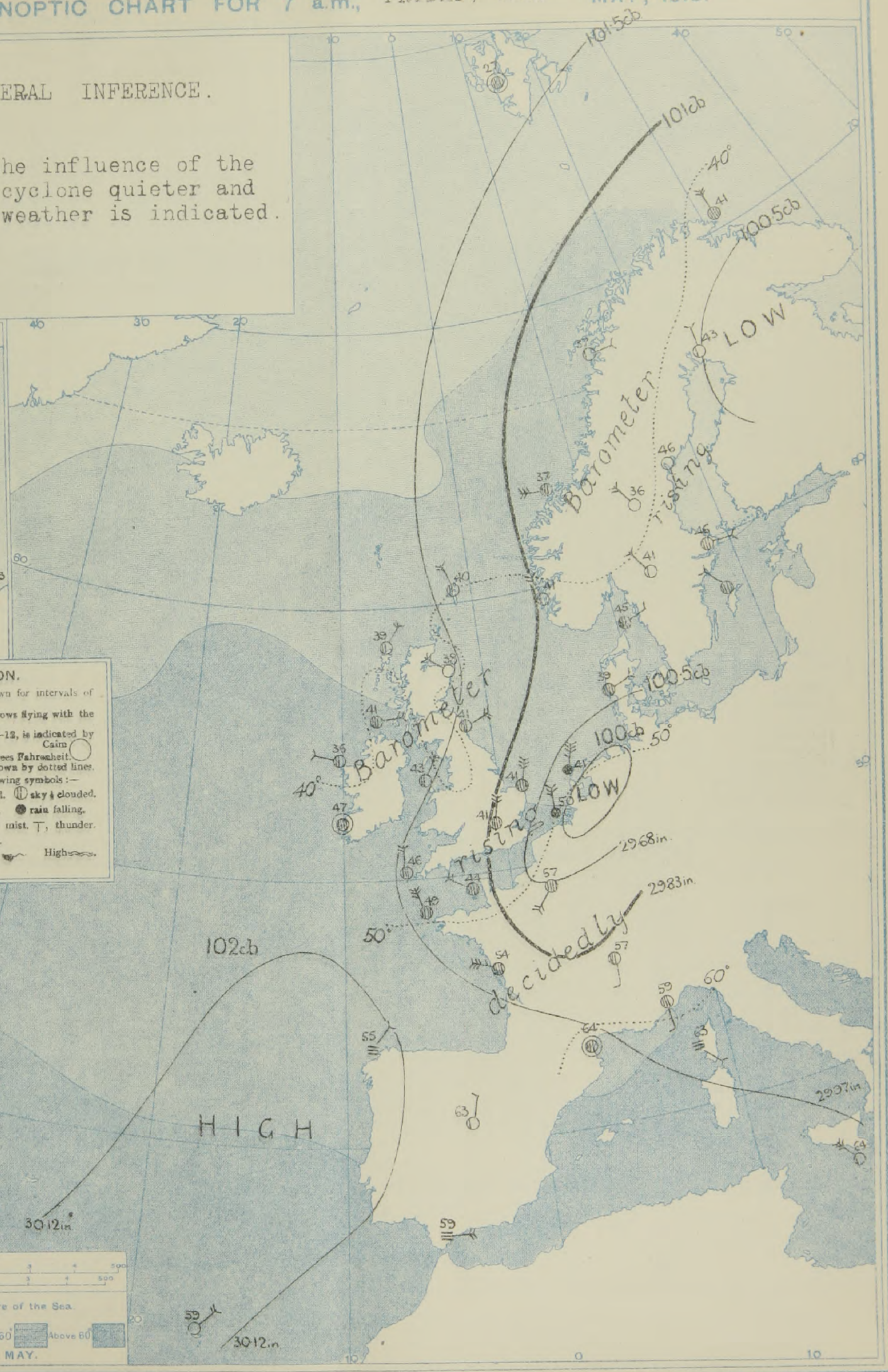
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

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

WEATHER.—Shown by the following symbols:—
◯ clear sky. ◑ sky ½ clouded. ◐ sky ¼ clouded.
◔ sky ¾ clouded. ◍ overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊼, thunderstorm.

SEA DISTURBANCE.—Rough ~ High ≈



Scale 1 : 2×10⁶
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea.
Below 40° | 40°-50° | 50°-60° | Above 60°
Scale of Tints for MAY.

DAILY WEATHER REPORT. Friday, 14th May 1915.

REPORTS FOR YESTERDAY.

13th May 1915.

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Nice	1007·0	58	SW	1	c	1007·9	+2	62	+2	–	0	*	b	1	–	72	54
Lisbon	1012·6	66	NW	5	b	1014·6	+1	59	0	NNW	4	–	b	5	–	72	57
Rome	1005·9	61	N	1	bc	1006·7	+2	63	0	–	0	–	c	*	31	73	61
Malta.	*	*	*	*	*	1012·8	+2	63	-1	WNW	3	–	c	3	–	70	59

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	52	32	bc	bc	12·0
Scotland.	Banff	1	44	34	bc	bc	10·0
Scotland.	St. Andrews	1	43	31	*	*	10·4
Scotland.	Carnoustie	1	47	30			8·2
Eng., N.E.	Harrogate	–	44	33	c.o	o.c	0·6
Eng., N.E.	Scarborough	*					
Eng., N.E.	Skegness	4	43	40	or	r	0·0
Eng., N.W.	Morecambe	–	50	37	bc	bc	4·3
Eng., N.W.	Blackpool	–	50	38	o.bc	bc.c.o	1·9
Eng., N.W.	Southport	–	48	38	o	o.c	0·0
Midlands.	Buxton	0·3	40	34	or	or	0·0
Midlands.	Leamington Spa	21	43	39	or	or	0·0
Midlands.	Malvern						
Midlands.	Ross-on-Wye	24	42	38	r	r	0·0
Wales.	Rhyl	2	45	38	o	o	0·0
Wales.	Colwyn Bay	2	46	36	c	c	0·4
Wales.	Llandudno	0·3	53	36			0·1
Wales.	Aberystwyth	1	44	40	o.c.o	or	0·0
Wales.	Tenby	12	45	42	r	r	0·0
Wales.	Swansea						
England, E.	Cromer	5	42	39	or	or	0·0
England, E.	Lowestoft	9	45	42	r	r	0·0
England, E.	Felixstowe	20	46	43	qr	qr	0·0
England, E.	Walton-on-Naze	22	47	44	or	or	0·0
England, E.	Southend-on-Sea	23	48	45	r	r	0·0
England, S.E.	Tunbridge Wells	25	54	46	or	or	0·0
England, S.E.	Margate	17	55	46	r	r	0·0
England, S.E.	Ramsgate	17	53	45	r	r	0·0
England, S.E.	Folkestone						
England, S.E.	Hastings	26	53	47	or	or	0·0
England, S.E.	Bexhill-on-Sea	29	57	48	r	r	0·0
England, S.E.	Eastbourne	34	54	48	or	or	0·0
England, S.E.	Seaford	29	52	48	r	r	0·0
England, S.E.	Brighton	30	52	49	or	or	0·0
England, S.E.	Worthing	31	53	43	r	r	0·0
England, S.E.	Littlehampton	31	53	*	r	r	0·0
England, S.E.	Bognor	33	55	49	r	r	0·0
England, S.E.	Southsea	31	54	49	or	or	0·0
England, S.E.	Bournemouth	29	53	48	r	r	0·0
England, S.W.	Weymouth	28	54	49	m.or	or	0·0
England, S.W.	Torquay	39	53	49	d.or	or	0·0
England, S.W.	Paignton	46	58	49	or	or	0·0
England, S.W.	Falmouth	26	55	50	or	or	0·0
England, S.W.	Penzance	28	55	51	or	or	0·0
England, S.W.	Newquay	49	56	48	omr	omr	0·0
England, S.W.	Ilfracombe	13	45	43	r	r	0·0
England, S.W.	Weston-super-Mare						

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday. %	Humidity. 9 a.m. Today. %	Sunshine for Yesterday. Hr.	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. 24 hours ended 9 a.m. To-day. mm.§	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
Greenwich (Royal Obsy.)	99	77	0·0	48	37	36	37	or	or	or.o
City (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	96	74	0·0	54	37	38	31	r	r	ok.r
Camden Sq. (Brit. Rainfall)	94	74	0·0	48	37	37	35	or	or	*
Hampstead (Reservoir)	*	77	0·0	54	33	27	31	or	or	or.o
Richmond Park	*	*	0·0							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	94	68	0·0							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
226 Joules	4·1 Milliwatts.	13 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall. mm §	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Night Min. on Grass. F.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday. Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.	–	45	35	35	ow	ow.b	bc.o	1·2
Manchester ,,				*				
Birmingham ,,	17	40	36	35	r	r	r	0·0
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	25	48	45	45	0.or	or	or	*

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

14th 15th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.0 / 3.59	11.49 / 11.49	7.38 / 7.39
Greenwich	4.12 / 4.10	11.56 / 11.56	7.40 / 7.42
Wick	3.50 / 3.48	12.8 / 12.8	8.27 / 8.29
Valencia	4.50 / 4.48	12.37 / 12.37	8.24 / 8.25

NOTES ON YESTERDAY'S WEATHER.

Low temperatures were general, most of the maxima below 50°, only 40° at Buxton. Very heavy rain fell over southern England, up to 41 millimetres at Dover. Over England generally the day was sunless, while Ireland and Scotland had good records, Glasgow 13·3 hours.

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

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

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 135. {Saturday 15th May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1015.4	41	NNW	3	bc	1016.1	0	38	−2	NNW	4	N	c	4	5	45	33	bcpsh	bcpsh	bcsp	*
	Deerness ...	1017.6	42	NNW	4	b	1018.3	*	42	+1	NW	5	W	op	3	1	45	35	bc	bc.b	p.o	10.1
	Stornoway ...	1021.0	42	N	4	bc	1023.2	−1	41	+2	NW	3	N	bc	3	24	45	34	bcph	bc	bcp	8.7
	Castlebay (Barra Isd.)	1021.2	45	NW	4	bc	1024.3	0	43	+1	NW	3	NW	bc	3	–	46	28	bc	bc	bc	14.5
	Glasgow ...	1019.3	42	NNW	2	c	1023.4	+1	37	−1	WNW	1	–	bz	*	1	48	31	c.osp	c	bcg.bc	7.5
	Eskdalemuir ...	1020.3	35	SW	3	oc	1022.2	+2	39	+1	E	2	–	b	*	1	46	22	bc.c	cgpt	bc.b	6.5
	Malin Head ...	1021.4	43	N	3	bcv	1024.6	+1	44	+3	NNE	3	N	bc	2	–	52	38	bcv	bcv	bc	10.7
	Blacksod Point	1021.8	46	NNE	2	bc	1022.0	−1	40	+4	NNE	3	NE	bc	3	1	48	35	bc	bc	bc	*
	Valencia ...	1020.9	49	WNW	1	0	1018.9	−2	42	−2	E	4	–	r	3	1	52	42	c.bc	b.bc	or	6.4
	Roche's Point	1022.4	50	SW	4	0	1022.2	*	49	+3	SE	4	–	o	4	–	54	40	b.bc.c	bc og	o	*
	Bitr Castle ...	1020.9	53	NW	2	c	1023.2	*	42	+1	NE	1	–	c	*	–	54	32	c	c	c	7.2
	Donaghadee ...	1020.5	46	–	0	b	1023.7	+1	43	+1	NNE	3	N	bc	3	2	48	36	cmp	bcmp	bcm.bc	*
	Liverpool (Bidston)	1021.1	45	WNW	3	b	1023.7	+1	45	+7	WNW	1	–	b	1	c	49	38	b	b	b	13.5
	Holyhead ...	1021.3	47	SW	3	cg	1024.0	+1	46	+3	NE	3	NE	bc	2	2	51	39	b.bc.b	b.bc.c	op.bc.c	12.0
	Pembroke (St. Ann's)	1020.9	47	NE	1	bc	1023.3	0	44	+2	E	1	–	c	2	–	50	38	op	bc	bc	11.2
	Scilly (St. Mary's)	1022.2	50	ENE	2	b	1021.4	−1	46	0	ESE	3	E	cmd	4	0.1	51	41	bc	b.bc	bc.c	10.9
	Falmouth ...	1021.8	50	NNW	2	b	1022.3	−1	46	+2	E	2	–	o	4	–	54	39	o.bc	b	b.bc.o	10.0
	Jersey (St. Aubin)	1022.2	49	NW	3	b	1023.1	*	49	+5	E	3	–	o	3	–	50	37	o.c	bc.b	bmoc.o	6.4
	Portland Bill ...	1020.5	48	WNW	3	bc	1023.2	0	48	+6	W	1	NW	c	2	–	50	42	o.c	bc	b.bc	*
	Dungeness ...	1020.6	50	NW	3	bc	1023.5	+2	47	+4	W	2	W	bc	2	–	51	40	og	o.c.bc	bc	*
	Dover	1021.2	49	NW	2	b	1023.6	0	51	+8	W	1	–	b	3	Trace	52	38	o.c	c.bc	b	4.7
	Wick	1018.6	41	WNW	3	bc	1020.0	+1	37	0	WNW	3	NW	c	2	4	44	35	bc.osh	bcpsh	bcpsh	*
	Nairn	1019.6	39	–	0	bcg	1021.8	*	40	+4	NNW	2	–	bc	2	2	49	32	bc	c.rs.bc	ug.bc	8.0
	Aberdeen ...	1019.0	39	SSW	3	c	1020.7	+1	40	+2	WNW	4	NW	b	2	3	49	33	bc.c	cuph	op.bcp	6.8
	Leith	1019.0	43	WNW	1	0	1022.6	+3	40	−1	W	2	–	b	*	–	50	34	b.bc.c	c.o.c	o	*
	Tynemouth ...	1018.9	44	NNE	2	c	1021.9	+2	40	−1	WNW	3	–	bm	3	2	48	34	bc	bc	bm	*
	Spurn Head ...	1020.1	46	N	4	bc	1022.1	+1	43	−1	NW	5	–	bcm	5	–	49	40	bcqv	bcv	bcv	9.8
	Yarmouth ...	1020.0	46	N	3	bc	1023.1	+1	42	+1	W	2	–	b	1	–	50	37	o.bc	bc	b	7.8
	Clacton-on-Sea	1020.1	50	NW	3	bcv	1023.1	0	46	+5	NW	2	–	b	0	–	51	38	og.c	c.bcv	bcm.b	4.6
	Nottingham ...	1020.3	45	N	1	c	1023.4	*	41	0	WSW	1	–	b	*	0.3	50	32	bc.c	op	bcm	7.8
	Bath	1020.6	52	W	1	b	1023.8	*	42	+1	NE	1	–	m	*	–	54	32	og.bc.b	bc.b	bc.c.bm	8.9
	London (Kew Obsy.)	1020.7	51	–	0	bc	1024.3	+1	42	+1	WSW	1	–	bm	*	–	52	38	o.c.op	b.c	c.o.c.bg	bc.om.bm	6.1
ICELAND, FAERÖE, &c.	Spitsbergen ...	1016.2	28	–	0	bc	1014.3	−2	21	−6	–	0	*	b	*	*	28	18				
	Isafjord ...												*		*	0	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*		*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1003.7	32	W	5	c	1009.9	+4	37	−4	SW	5	–	b	3	*	46	32				
	Bodö	1006.9	41	SSE	1	b	1008.3	+2	43	+6	ESE	1	–	c	1	–	43	34				
	Christiansund	1008.2	41	W	3	c	1008.6	0	39	+2	W	3	–	s	4	1	43	37				
	Skudesnaes ..	1011.0	43	NNW	6	b	1009.9	+1	41	0	WNW	4	–	c	2	1	45	37				
	Færder (X'tania Fjord)	1004.6	48	N	1	c	1003.1	0	43	+2	NNW	6	–	o	2	–	48	36				
	The Scaw (Skagen)	1004.4	43	E	2	o	1003.4	+2	45	0	NNW	5	–	bc	4	1	46	36				
	Blaavands Huk	1006.9	45	NNW	6	o	1018.0	+3	43	+4	NW	7	–	c	5	3	45	37				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1016.2	45	NW	4	c	1021.2	+1	46	+5	W	3	–	c	3	4	46	41				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1020.7	49	N	2	b	1023.3	+1	49	+6	WSW	4	*	bc	2	Trace	50	43				
	La Hève	1022.4	46	NNW	3	bc	1024.3	*	44	0	ENE	3	*	m	2	3	57	41				
	Ushant							*					*									
	Brest (St. Mathieu)	1023.5	50	N	2	c	1022.7	0	44	−8	ESE	3	*	o	0	–	57	37				
	Rochefort (Ile d'Aix)	1022.0	54	NW	3	o	1022.1	0	52	−2	E	3	*	bc	*	–	59	48				
	Biarritz	1022.4	60	W	3	o	1019.9	+3	59	0	ENE	2	*	b	3	–	61	54				
	Paris														*							
	Belfort							*					*		*							
	Lyons							*					*		*							
	Nice												*									
	Perpignan ..	1021.9	46	N	3	o	1024.8	0	43	−21	NE	1	–	b	*	1	64	36				
	Sanguinaire ...	1011.9	66	S	3	m	1011.9	*	64	+1	SE	3	*	m	3	–	?	?				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1021.6	61	N	4	0	1020.4	+1	57	+2	ENE	2	–	f	3	–	63	54				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar	1016.6	66	E	4	b	1016.9	*	60	+1	E	4	*	b	1	?	75	58				
	Rome														*							
	Azores (Horta, 8 a.m.)	1016.7	*	SW	5	0	†1020.7	+2	63	+4	WSW	4	*	c	3	1	66	61				
	Madeira (Funchal)	1020.6	66	NE	2	bc	1023.3	+1	64	+5	NE	2	–	o	2	–	68	59				
	Malta	*	*	*	*	*	1017.1	+1	63	−1	WNW	4	–	b	3	–	72	59				

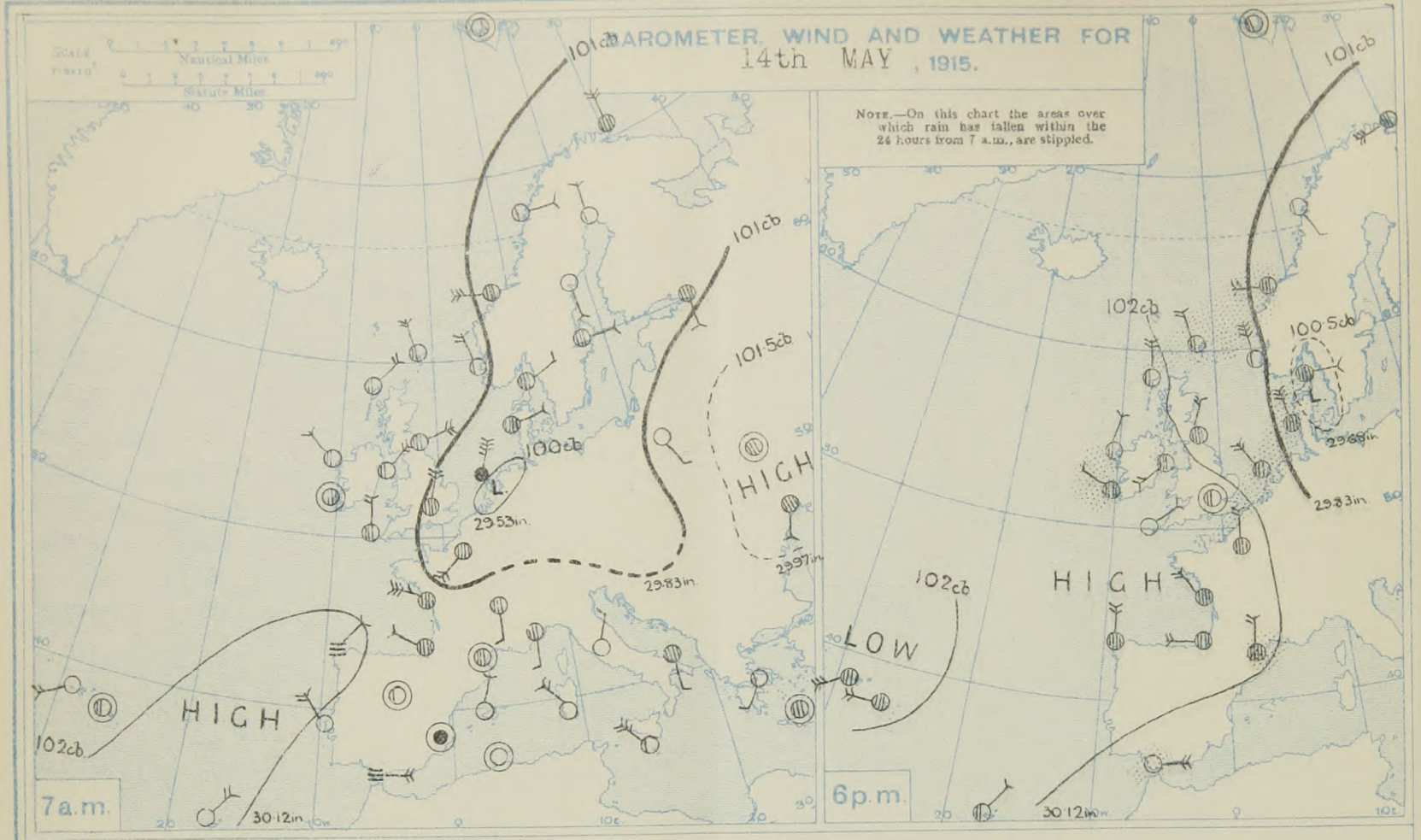
RAINFALL.

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

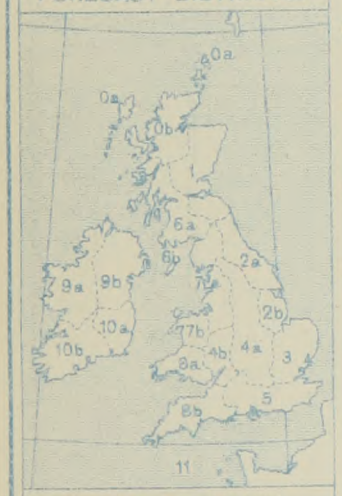
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

BAROMETER, WIND AND WEATHER FOR 14th MAY, 1915.



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NO WARNINGS ISSUED.

0 a, 0 b, 1, 2 a, 2 b	Moderate to light North-Westerly to variable breezes; fair to fine; some rise of temperature.
3, 4 a, 4 b, 5	Light variable Westerly breezes, fine; later South-Easterly to Easterly breezes, freshening; cloudy to dull, some rain; temperature rising.
6 a, 6 b	Same as Nos. 0 - 2.
7 a, 7 b, 8 a, 8 b, 9 a, 9 b, 10 a, 10 b	Easterly or South-easterly breezes, freshening; cloudy to dull, some rain; cold to moderate temperature.
Western Channel and Bay 11	Freshening Easterly and South-Easterly breezes; sea moderate to rather rough; cloudy to dull, some rain and fog; cool.

FURTHER OUTLOOK.

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

W. N. SHAW, Director.

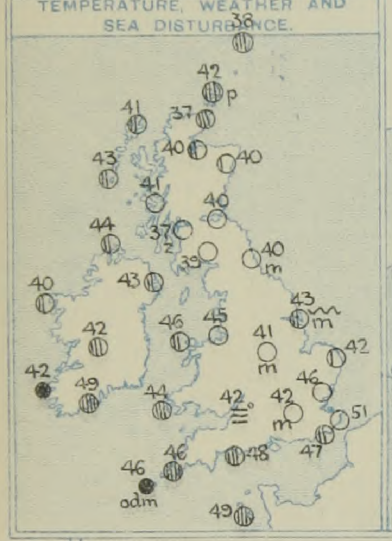
Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., SATURDAY, 15th MAY, 1915.

GENERAL INFERENCE.

Conditions becoming less settled over all the southern districts.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ◍ overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊼, thunderstorm.

SEA DISTURBANCE.—Rough ∿∿. High ≈≈.

Scale 1:22·10°
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea.
Below 40° | 40°-50° | 50°-60° | Above 60°
Scale of Tints for MAY.

101cb
101·5cb
100·5cb
102cb
102cb
LOW
LOW
HIGH
HIGH
Barometer rising
Barometer falling slightly
Barometer rising
29·68in.
29·83in.
29·97in.
30·12in.
30·12in.
40°
50°
50°
60°
Inches.
31
30
29

DAILY WEATHER REPORT. Saturday, 15th May, 1915.

REPORTS FOR YESTERDAY.

14th May 1915

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Biarritz	1014·7	60	NW	2	c	1018·4	+5	59	+2	WNW	6	*	0	1	–	66	59
Lisbon	1015·8	68	NW	5	b	1017·9	+1	61	+2	NNW	3	–	b	5	–	73	57
Rome	1012·3	64	–	0	bc	1013·3	+2	59	–4	NE	1	–	b	*	–	72	57

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	52	32	b.ph	bc	7·2
Scotland.	Banff	–	45	32	bc	b	9·8
Scotland.	St. Andrews	1	47	31	*	*	8·4
Scotland.	Carnoustie	2	48	31	*	*	9·1
Eng. N.E.	Harrogate	–	47	30	o.c.bc	b.bc.c	8·4
Eng. N.E.	Scarborough	*					
Eng. N.E.	Skegness	5	48	39	o.c.b	bc	8·4
Eng. N.W.	Morecambe	–	49	36	b	b	13·0
Eng. N.W.	Blackpool	–	49	31	b	b	13·5
Eng. N.W.	Southport	–	49	33	b.bc.b	b	13·6
Midlands.	Buxton	1	47	32	bc	bc	7·6
Midlands.	Leamington Spa	12	51	34	c.bc	bc.c	5·2
Midlands.	Malvern						
Midlands.	Ross-on-Wye	13	55	32	c.bc	bc.b	9·2
Wales.	Rhyl	–	48	38	b	b	12·0
Wales.	Colwyn Bay	–	49	38	bc	bc	11·8
Wales.	Llandudno	–	52	39			11·4
Wales.	Aberystwyth	1	49	39	r.c.b	b.bc	11·7
Wales.	Tenby	3	54	38	bc	bc	9·5
Wales.	Swansea						
England. N.E.	Cromer	10	49	39	o.c.bc	bc	7·9
England. N.E.	Lowestoft						
England. N.E.	Felixstowe	27	51	38	cp	bc.v	4·0
England. N.E.	Walton-on-Naze	20	50	38	o.c	c.bc	3·9
England. N.E.	Southend-on-Sea	12	53	38	r.o.c	c.bc.b	4·6
England. S.E.	Tunbridge Wells	24	52	37	o.bc	bc.b	3·0
England. S.E.	Margate	12	51	43	p	bc	4·3
England. S.E.	Ramsgate	15	49	40	cp	bc	4·1
England. S.E.	Folkestone						
England. S.E.	Hastings	11	50	39	sr.c	bc	1·8
England. S.E.	Bexhill-on-Sea	12	54	39	c	c	2·6
England. S.E.	Eastbourne	16	50	40	sd	bc.bm	1·4
England. S.E.	Seaford						
England. S.E.	Brighton	21	54	39	o.c.bc	bc.c.bc	4·0
England. S.E.	Worthing	22	52	39	o	bc	2·0
England. S.E.	Littlehampton	22	55	39	r.o.bc	bc.b	2·5
England. S.E.	Bognor	24	52	39	o	o	2·2
England. S.E.	Southsea	21	52	39	o.c	bc	4·0
England. S.E.	Bournemouth	16	54	37	o.c	bc	5·5
England. S.W.	Weymouth	13	53	37	c.bc	bc	3·7
England. S.W.	Torquay	8	51	39	c.bc	c	4·3
England. S.W.	Paignton	14	52	38	c	bc	6·1
England. S.W.	Falmouth	1	54	43	o.bc	bc	9·5
England. S.W.	Penzance	0·3	54	45	b	b	12·5
England. S.W.	Newquay	1	49	43	b.o.bv	bv	9·0
England. S.W.	Ilfracombe	3	51	40	c.bc.b	b	8·0
England. S.W.	Weston-super-Mare	7	52	37	bc.b	b	9·0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-Day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	54	66	3·2	62	35	25	–	o	o.c	c.o.bc
City (Bunhill Row)	*	*	4·7	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	61	66	4·9	53	37	32	–	r.bc	bc	om
Camden Sq. (Brit. Rainfall)	52	62	3·8	55	36	32	–	o.c	bc	*
Hampstead (Reservoir)	*	61	5·7	52	36	27	–	o.bc	bc	bc.b
Richmond Park	*	*	6·1							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	52	58	5·1							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total. Joules	Average Rate. Milliwatts.	Max. Rate. Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	1	52	38	34	q.cp.bc	bc	cp	*
Darwen to 9 p.m.	–	52	30	26	bc	bc	bc	11·7
Manchester ,,	–	52	35	*	cg	v.c	c	8·5
Birmingham ,,	7	50	33	31	r	o.c	c.b	8·0
Oxford to 9 p.m.	*	53	33	32	or.ssr.o	o.c	c	*
Teignmouth to 9pm.								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	16	53	37	37	or	o.cg.o	o.bc.o	*

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

15th & 16th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.59 / 3.58	11.49 / 11.49	7.39 / 7.40
Greenwich	4.10 / 4.09	11.56 / 11.56	7.42 / 7.43
Wick	3.48 / 3.46	12.8 / 12.8	8.29 / 8.31
Valencia	4.48 / 4.47	12.37 / 12.37	8.25 / 8.26

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 55° practically everywhere, below 50° in many places. Showers fell locally. Sunshine varied greatly, from 1·4 hour at Eastbourne to 14·5 hours at Castlebay.

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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Printed at the Meteorological Office, South Kensington, London, S.W. By 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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 136. Sunday May 16th 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F	Temp. Min. °F	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1016·6	41	NNW	5	bc c	1018·5	‡-1	38	0	NNW	4	-	0	3	3	43	35	bcpsh	bcps	0	
	Deerness ...	1018·6	40	NW	4	0	1015·2	*	41	-1	WNW	4	-	0	3	1	45	38	ophsbc	bc c. 0	0	6·1
	Stornoway ...	1021·0	46	N	4	bc	1018·2	-1	43	+2	NE	3	-	c	3	-	48	40	bc	bc	c. o. c	11·5
	Castlebay (Barra Isd.)	1021·3	46	N	3	c	1017·2	-1	42	-1	NE	4	W	bc	4	0·4	49	40	bc b	bc	op. bc	11·2
	Glasgow ...	1019·5	50	W	1	c	1017·3	-1	41	+4	E	1	NW	c	*	-	54	34	bbc. w	c. bc. c	c. bc. bx	11·1
	Eskdalemuir ...	1019·7	45	WSW	4	bc	1017·6	-1	39	0	N	2	W	bc	*	-	52	29	bc	c. 93. c	9 bcx	8·9
	Malin Head ...	1020·7	45	NNE	3	bcv	1015·5	-1	45	+1	E	3	-	bc	2	-	48	42	bc	bcv	bc	10·2
	Blacksod Point	1016·2	51	ESE	4	bc	1011·1	-3	44	+4	ESE	5	SE	cm	4	1	53	39	bc	bc	cmd. cm	*
	Valencia ...	1010·6	48	E	6	0	1007·9	-2	53	+11	E	2	-	0	3	9	53	41	cmc	cmc	o. c. po	0·0
	Roche's Point	1015·0	47	SE	5	r	1012·1	*	50	+1	ESE	2	-	0	4	21	50	44	cc	r	pr bcm	*
	Birr Castle ...	1017·8	44	SE	2	c	1012·3	*	47	+5	SE	1	SE	c	*	5	53	40	c	o. c	cc. c	3·2
	Donaghadee ...	1019·9	46	NE	2	bcv	1015·1	-2	45	+2	ESE	3	E	bcm	2	-	47	41	bcs	bcv	bcv. bc	*
	Liverpool (Bidston)	1019·9	49	NNW	1	0	1016·0	-1	45	0	SE	2	E	0	1	-	51	43	b	bc 0	0	8·9
	Holyhead ...	1019·4	48	E	5	cc	1014·7	-1	45	-1	SE	1	S	cm	0	1	53	44	bc. bc	bc. c. bc	opd. cm	8·0
	Pembroke (St. Ann's)	1018·9	44	SE	4	0	1018·5	0	49	+5	S	4	S	cgm	4	9	52	43	c	0	cgc	0·8
	Scilly (St. Mary's)	1015·4	49	SSE	6	cmgc	1012·5	-2	50	+4	SE	3	-	fd	4	4	50	46	0	cmgc	fd	0·0
	Falmouth ...	1017·9	46	SSE	5	r	1013·5	-1	50	+4	SE	2	-	f	3	8	51	46	0	cc	rcf	0·0
	Jersey (St. Aubin)	1019·5	54	ESE	2	cg	1016·3	*	54	+5	E	2	E	bc	1	Trace	56	46	o. c. o	cg	cp bc	0·5
	Portland Bill ...	1020·0	49	SE	3	cc	1016·4	-1	50	+2	-	0	-	0	2	3	52	45	bc	bc. c	ch	*
	Dungeness ...	1020·9	50	WSW	2	bc	1017·4	0	50	+3	SE	3	-	0	3	2	54	46	bc	bc	bc. cc. b	*
	Dover	1021·0	49	SSW	3	bc	1017·9	-2	50	-1	SSE	3	SE	c	3	1	54	45	b. bc. 0	o. c. bc. b	c. cc. o. c	8·0
	Wick	1019·2	41	NNW	4	0	1016·5	-2	40	+3	W	1	-	0	2	1	45	35	eprhp	ephrg	0	*
	Nairn	1020·0	44	NNW	1	cg	1017·9	*	40	0	N	1	-	bc	2	0·2	46	35	g. pc	bc. c	do. bc	3·2
	Aberdeen ...	1019·5	44	NNW	4	bc	1017·8	-1	42	+2	WNW	2	W	bc	2	2	47	37	bc. ohp	c bc	c. bcc	6·9
	Leith	1019·5	47	ENE	2	0	1017·1	-1	44	+4	ENE	1	NW	b	*	-	55	35	b. bc. c	c. 0	0. c	*
	Tynemouth ...	1019·9	46	SE	2	c	1018·0	-3	45	+5	SE	2	-	c	3	-	50	39	bc	bc	c	*
	Spurn Head ...	1022·3	50	ESE	4	bc	1019·3	0	46	+3	SW	3	-	cm	4	-	51	41	bc	bc	c	10·6
	Yarmouth ...	1021·8	47	ENE	2	b	1019·4	0	46	+4	SSE	3	S	cmc	2	-	52	41	bc	c. b	c. cm	13·3
	Clacton-on-Sea	1021·1	51	SE	3	cm	1018·2	-1	48	+2	SE	2	-	cg	2	0·4	57	45	bbc	bc. cm	cmogh	9·6
	Nottingham ...	1019·8	53	SW	1	c	1017·6	*	47	+6	SE	1	SE	0	*	0·2	57	41	bmc	c	c	9·7
	Bath	1020·1	52	SSW	2	0	1016·9	*	46	+4	-	0	S	0	*	2	59	41	mbbc	bc. c 0	cmm	8·9
	Sth Farnborough	1019·7	52	NNE	3	c	1017·1	-1	46	+5	ESE	2	-	0	*	1	59	40	b bc	bc. c. o. c	c. o. r	?9·7
	London (Kew Obsy.)	1020·2	55	SSW	2	0	1017·6	-2	47	+3	E	2	-	cm	*	1	60	42	b. bc. c	c. 0	o. cc. cm	10·2
ICELAND, FAEROE, &c.	Spitsbergen ...	1015·0	28	SE	5	0	1010·6		28	+7	S	6	*	0	*	*	34	30				
	Isafjord												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1015·4	37	N	3	bc	1011·3	-3	36	-1	E	6	-	0	3	*	41	32				
	Bodö	1005·5	43	NNE	4	bc	994·9	0	41	-2	-	0	-	bc	1	Trace	45	36				
	Christiansund	1006·9	41	N	3	0	999·5	-3	41	+2	NNW	2	-	0	4	5	43	36				
	Skudesnaes ..	1008·3	41	NW	6	c	1007·0	0	39	-2	WNW	4	-	0	2	1	45	34				
	Færder (X'iania Fjord)	999·3	48	NW	5	0	999·7	0	46	+3	WNW	6	-	b	2	-	48	34				
	The Scaw (Skagen)	1001·6	45	W	7	b	1004·2	+3	46	+1	WNW	7	-	b	6	-	52	41				
	Blaavands Huk	1011·5	43	WNW	6	c	1013·7	+2	41	-2	WNW	6	NW	c	4	1	45	37				
	Haparanda ...	998·1	29	NE	6	0	997·3	+1	45	+8	SE	6	SE	b	*	13	46	37				
	Hernösand ...	989·3	35	NE	4	s	989·1	0	37	0	NE	2	-	r	*	23	41	32				
	Stockholm ...	980·8	37	W	4	r	989·6	+6	39	-7	W	6	-	0	*	11	39	32				
	Wisby	994·4	41	WSW	8	0	1000·3	+4	44	+1	WSW	6	-	c	*	7	43	36				
	Karlstad						996·6	+1	44	0	NW	8	-	bc	*	7	46	37				
	Petrograd (5 a.m. G.M.T.)	1020·0	52	-	0	bc	1017·9	0	46	0	-	0	-	b	*	-	?	?				
FRANCE, &c.	The Helder ...	1020·6	46	NW	4	bc	1020·2	0	48	+2	WSW	1	-	c	1	4	48	39				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1020·0	50	SW	2	bc	1016·7	+2	48	-1	SE	3	*	c	2	1	54	46				
	La Hève	1019·5	50	NW	2	bc	1017·0?	*	50	+6	SE	2	*	c	2	-	57	41				
	Ushant	1017·7	53	S	4	0	1013·4	*	54		SSW	1	*	f	3	-	55	46				
	Brest (St. Mathieu)	1019·7	54	S	5	0	1015·8	+2	54	+13	S	3	*	f	3	-	57	52				
	Rochefort (Ile d'Aix)	1018·1	61	N	3	c	1015·9	0	56	+4	NNE	1	*	c	*	-	73	52				
	Biarritz	1017·1	59	NW	3	0	1015·8	0	59	0	-	0	*	0	1	-	73	55				
	Paris	1020·7	55	ESE	2	b	1018·0	0	53		-	0	W	b	*	-	59	41				
	Belfort							*					*		*							
	Lyons	1019·7	61	N	1	b	1018·7	*	54		-	0	*	c	*	-	64	47				
	Nice	1014·6	61	-	0	b	1018·4	+1	60		-	0	*	0	1	-	72	54				
	Perpignan ...	1015·8	72	E	1	b	1016·8	+1	61	+18	ENE	1	-	0	*	-	77	55				
	Sanguinaire ...							*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1020·0	59	NNW	4	0	1016·3	-1	61	+4	SSW	4	-	0	3	-	61	55				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)	1016·6	59	NW	4	c	1017·9	+1	59	0	NW	2	-	bc	?	-	73	57				
	Gibraltar							*					*									
	Rome	1017·6	64	-	0	b	1018·1	0	61	0	NE	1	-	b	*	-	75	57				
	Azores (Horta, 8 a.m.)	1020·0	*	SW	5	c	1021·3	0	63	0	WSW	3	*	0	2	1	68	63				
	Madeira (Funchal)	1021·9	66	NE	2	0	1023·3	+1	64	0	NE	2	-	c	2	-	68	63				
	Malta (8 a.m.)	*	*	*	*	*	1017·3	+2	68	+5	SW	1	-	b	0	-	70	61				

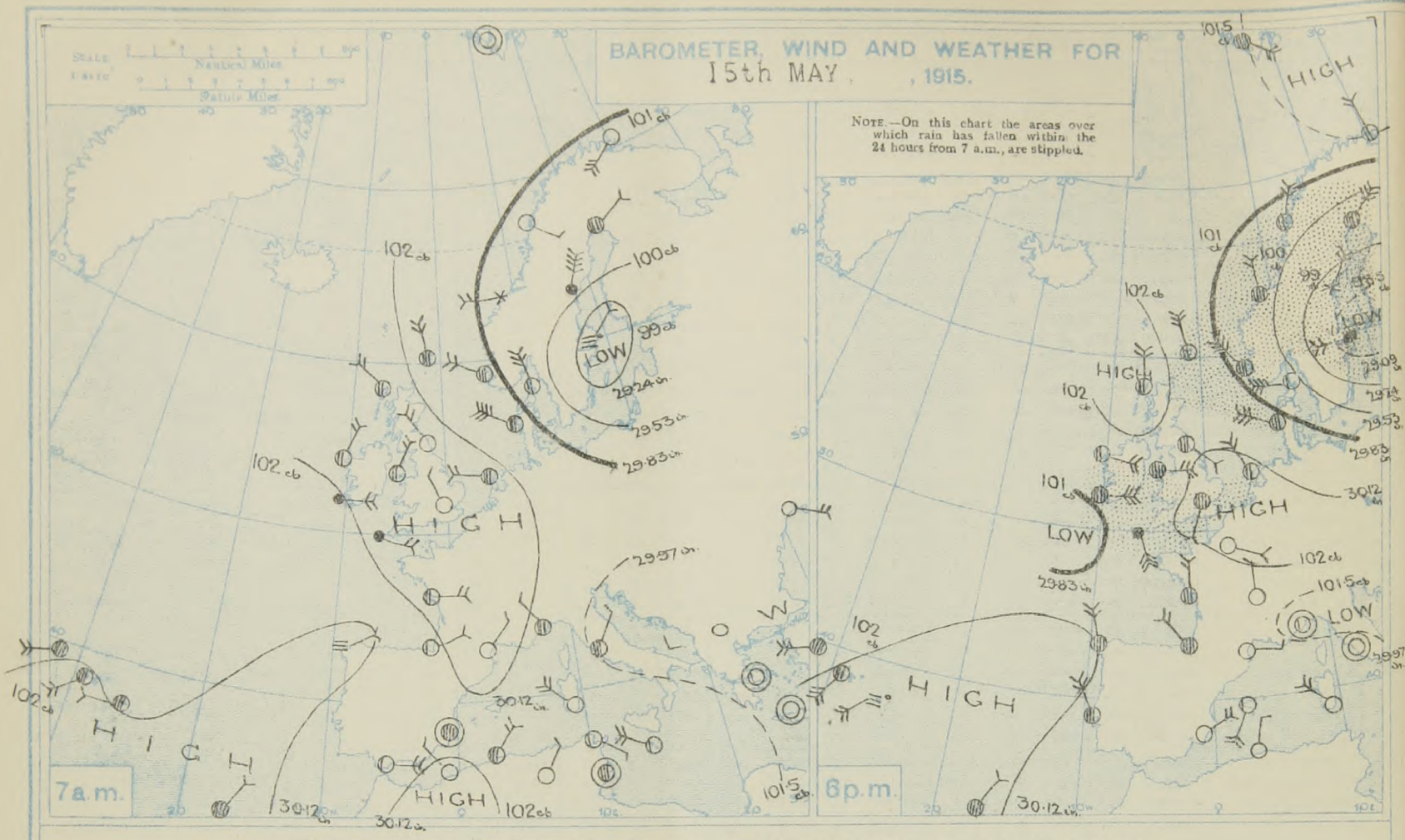
RAINFALL.

Equivalents of Millimeteers. in Inches.

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

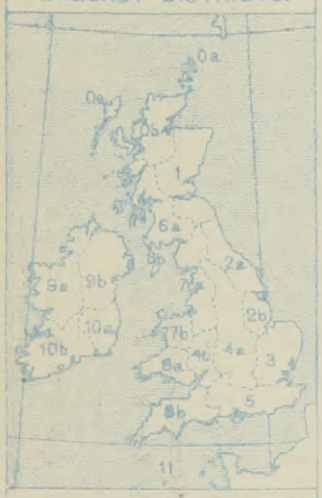
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

BAROMETER, WIND AND WEATHER FOR 15th MAY, , 1915.



FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY

FORECAST DISTRICTS.



STORM WARNINGS.

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

Signals hoisted yesterda,	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 a, b, 1	Variable breezes between North-West, North-East, and East; fair to fine or dull, some rain, cool.
2 a, b, 3, 4 a, b, 5	Light breezes between South and East, fair to dull, some rain, local mist, cool.
6 a, b	Same as Nos 0 and 1.
7 a, b, 8 a, b, 9 a, b, 10 a, b	Same as Nos 2 to 5.
Western Channel and Bay 11	

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., SUNDAY, 16th MAY, 1915.

GENERAL INFERENCE.

The pressure variations are very slight and afford no indication of any important change in the general weather conditions.

TEMPERATURE, WEATHER AND SEA DISTURBANCE

EXPLANATION.

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

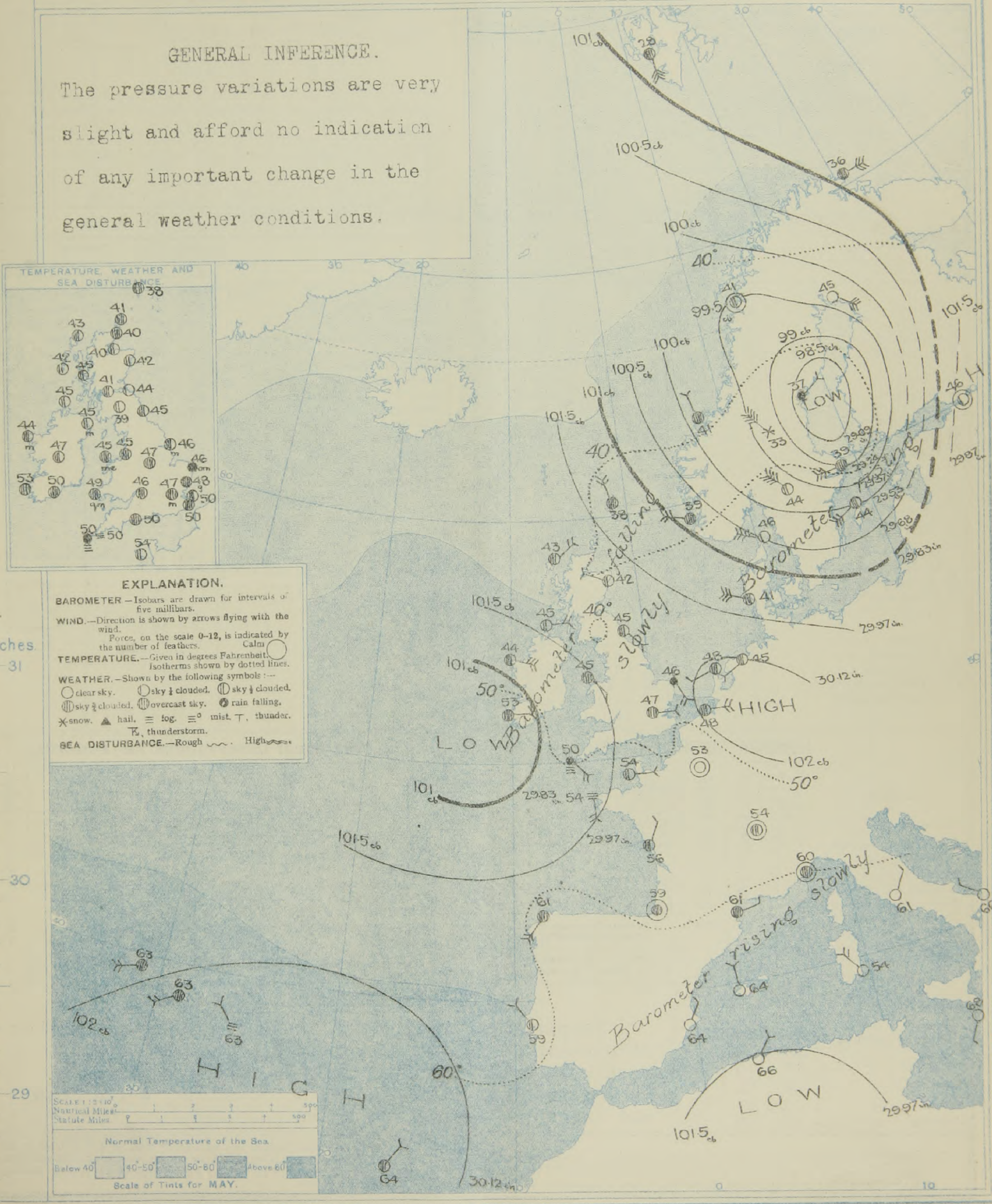
WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers. Calm ○

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

WEATHER.—Shown by the following symbols :—
○ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder.
⊼ thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈≈≈

Normal Temperature of the Sea.
Below 40° 40°-50° 50°-80° Above 80°
Scale of Tints for MAY.



DAILY WEATHER REPORT. Sunday, 16th May, 1915.

REPORTS FOR YESTERDAY.

15th May 1915.

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Haparanda	1010·4	37	SSW	2	b	1010·7	−2	43	0	NE	2	–	0	*	–	48	27
Hernosand	1010·0	43	SSE	2	bc	1001·9	−5	37	−6	NNE	8	–	r	*	Trace	48	32
Stockholm	1005·7	38	E	4	r	987·1	−8	41	−5	NE	2	–	m	*	15	48	36
Wisby	1001·6	43	ENE	2	r	984·0	−11	43	0	SSE	4	–	0	*	12	43	39
Karlstad	1004·7	47	ESE	2	c	·	·	·	·	·	·	·	·	·	·	·	·
Rome	1015·0	64	SW	1	b	1014·6	+1	61	+2	NE	1	–	c	*	–	75	57

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	53	31	b	b	13·4
	Banff	1	45	34	chp	bc	5·1
	Carnoustie	1	52	30	*	*	10·0
	St. Andrews				*	*	
Eng. N.E.	Harrogate	–	55	32	b	b.bc.c	12·2
	Skegness	–	50	35	bc	bc.o	9·5
Eng. N.W.	Morecambe	–	50	40	b.bc	bc	11·0
	Blackpool	–	51	41	bc.b	bc	10·5
	Southport	–					
Midlands.	Buxton	0·3	52	31	bc	bc	10·3
	Leamington Spa	–	57	31	bc	c.o	7·6
	Malvern						
	Ross-on-Wye	–	57	30	b.bc	bc.o	8·3
Wales.	Rhyl	2	50	35	bc.b	b.bc	8·8
	Colwyn Bay						
	Llandudno						
	Aberystwyth	1	52	39	r.o.c	c.bc	6·0
	Tenby	0·3	54	33	bc.o	bc.og	1·0
England. E.	Cromer	–	50	37	bc	bc	11·8
	Lowestoft						
	Felixstowe	–	57	37	bc	bc.c	10·3
	Walton-on-Naze	–	53	38	bc.b	bc.cg	9·7
	Southend-on-Sea	–	59	41	b	b.bc	9·4
England. S.E.	Tunbridge Wells	–	56	33	b.bc	bc.c	8·5
	Margate	–	55	41	b	c.bc.c	9·7
	Ramsgate	–	52	40	bc	bc	10·1
	Hastings	–	53	40	bc.b	b.bc	10·3
	Bexhill-on-Sea	–	55	40	b	b	10·0
	Eastbourne	0·3	55	38	b.o.b	bc	8·9
	Seaford	–	55	38	b.o.b	b.bc	8·7
	Brighton	–	55	37	c.bc	bc.c	9·1
	Worthing	–	57	35	bc	c	7·2
	Littlehampton	–	50	39	b	b	6·5
	Bognor	–	54	37	o.bc	bc.o	6·1
	Southsea						
	Bournemouth	–	54	38	o.c.o	o.c.o	4·0
England. S.W.	Weymouth	–	54	39	o.bc	bc.og	2·0
	Torquay	2	50	39	o	or	0·0
	Paignton	1	52	37	c	c.or	0·1
	Falmouth	5	50	40	o	or	0·0
	Penzance	5	54	41	o	or	0·0
	Newquay	3	47	39	o	o.or	0·0
	Ilfracombe	–	55	41	o	o	1·1
	Weston-super-Mare						

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	54	77	6·0	58	43	42	1	bc	bc	bc.o.or
City (Bunhill Row)	*	*	6·7	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	56	83	7·1	57	44	43	1	o	b	ow.ow
Camden Sq. (Brit. Rainfall)	46	78	6·6	62	44	43	2	b.bc	c.o	*
Hampstead (Reservoir)	*	80	8·5	57	41	33	2	bc.o	bc	o.ow.o
Richmond Park	*	*	10·3 ‡							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	42	75	9·4							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1786 Joules	32·0 Milliwatts.	71 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	51	41	?	c	b	b.bc	*
Darwen to 9 p.m.	–	54	35	31	bc	bc	bc	10·2
Manchester ,,	–	55	37	*	c.og	g.c	bc.c	6·8
Birmingham ,,	–	54	36	21	b	c	c.o	4·4
Oxford to 8 p.m.	*	58	33	26	bcg.b	b.bc.c	c.o	*
Teignmouth to 9 ,,	?	53	40	37	bc.o	o	c.or	0·0
Plymouth ,,	7	48	40	32	od	or	or	0·0
S. Kensington (Museum Grounds to 6 p.m.)	–	60	38	31	or.cm	c.bc	bc.c.og	*

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

15th & 16th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.58 / 3.57	11.49 / 11.49	7.40 / 7.41
Greenwich	4.9 / 4.8	11.56 / 11.56	7.43 / 7.44
Wick	3.46 / 3.44	12.8 / 12.8	8.31 / 8.33
Valencia	4.47 / 4.46	12.31 / 12.31	8.26 / 8.27

NOTES ON YESTERDAY'S WEATHER.

Temperature touched 60° in London, but at a number of northern stations it remained below 50°. Rain, mostly in small amounts, fell in many localities. Several western stations had no sunshine, while Oban and Yarmouth exceeded 13 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; z. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 137. Monday 17th May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F						°F	°F							°F	°F				Hours.
BRITISH ISLANDS.	Lerwick ...	1012·5	43	NNW	4	bc	1012·3	+0	40	+2	NNW	4	-	c	3	1	44	36	cp	bc	c	
	Deerness ...	1014·2	43	NW	3	opd	1013·9	*	42	+1	NW	3	NW	c	3	Trace	48	38	0	opd	0·c	0·9
	Stornoway ...	1016·1	47	E	3	c	1014·8	+1	43	0	NE	3	-	0	3	-	49	42	c.0.c	c	c.bc.0	4·4
	Castlebay (Barra Isd.)	1013·5	51	ENE	4	7	1011·5	0	47	+5	ENE	5	-	7	5	-	51	42	7c.7	7	7	14·6
	Glasgow ...	1012·8	54	NE	3	bc	1012·0	-1	43	+2	ENE	3	-	0	*	-	61	39	bc.c.b	bc.c.bc	c.bc.c	13·1
	Eskdalemuir ...	1012·4	55	SE	3	bcq	1011·0	-2	44	+5	NE	5	-	cq	*	-	59	37	bcq	bcq3	bq m	9·9
	Malin Head ...	1011·2	49	E	4	cm	1008·1	0	48	+3	E	5	-	cm	4	-	50	45	bm	cm	cm	9·5
	Blacksod Point	1006·1	55	ESE	5	bcq	1003·5	0	49	+5	ESE	5	SE	cmr	4	3	57	42	bc	bc	bc cmr	*
	Valencia ...	1000·1	54	E	4	r	9984	+2	53	0	NE	1	SE	c	3	6	57	51	0	fpr	r0	0·0
	Roche's Point	1005·6	51	SE	4	r	999·8	*	51	+1	SE	4	-	r	5	13	53	50	0	ofd	dfr.	2·9
	Birr Castle ...	1006·7	53	SE	3	0	1002·8	*	52	+5	E	1	-	r	*	2	58	46	c.0	0	0c	
	Donaghadee ...	1011·4	48	E	3	cqm	1008·1	0	46	+1	SE	3	-	cmd	3	Trace	52	44		bcm	cmcmd	0·0
	Liverpool (Bidston)	1011·9	54	SE	3	c	1006·4	-2	49	+4	E	3	E	cq	3	5	57	46	0	bc	0c	3·8
	Holyhead ...	1010·6	56	E	3	cm	1011·3	-3	51	+6	E	5	SE	cpmq	4	8	57	45	cpdbc	0.0.0.0	0.cmc	0·6
	Pembroke (St. Ann's)	1009·3	50	SE	4	0	1002·4	-3	50	+1	SE	4	-	cqm	4	2	53	49	cqm	cq bm	fdcq.p	0·0
	Scilly (St. Mary's)	1006·4	52	SE	5	fc	999·5	-2	52	+2	S	2	S	cm	5	3	54	50	fc	fc	fc8mc	0·0
	Falmouth ...	1008·9	51	SSE	3	m	1000·4	-2	51	+1	S	1	-	0	3	15	53	50	rf	dfm	0c.0	0·0
	Jersey (St. Aubin)	1011·3	61	ESE	3	0	1003·8	*	55	+1	S	3	-	0	2	-	65	52	bc	c.0	0	8·1
	Portland Bill ...	1011·3	51	SE	4	c	1008·5	-2	50	0	ENE	2	SE	cp	3	5	53	45	c	cp	c	*
	Dungeness ...	1014·1	58	-	0	bc	1005·2	-2	51	+1	ENE	3	-	cq	3	-	59	49	0.bc	bc	bc.bc.0	*
	Dover	1014·5	55	SSW	1	b	1006·3	-3	54	+4	E	3	E	0	4	-	60	50	bc.c.bc	bc	b.bc.c0	8·3
	Wick	1014·6	45	WNW	3	c	1014·4	0	41	+1	NNW	3	-	0	2	-	49	39	cmq	cmq.c	c.0q	*
	Nairn	1015·1	50	ENE	2	b	1014·0	*	43	+3	E	1	-	cq	2	0·3	53	39	bc.b	bc	bcp	13·2
	Aberdeen ...	1015·5	48	SSE	2	bc	1014·1	+1	43	+1	NNE	2	-	0	2	-	51	36	bc.c	bc	bc.b.0	10·1
	Leith	1014·0	53	ENE	2	bc	1012·7	0	46	+2	ENE	3	-	0	*	-	54	38	b.bc	bc	bc.b	*
	Tynemouth ...	1014·4	47	ESE	3	b	1012·1	0	48	+3	E	2	E	c	3	-	52	45	bc	bc	c	*
	Spurn Head ...	1015·4	50	SE	3	c	1010·4	-4	48	+2	SE	4	-	0	4	-	53	45	bcm	c	c	0·0
	Yarmouth ...	1015·1	50	SE	2	c	1009·4	0	52	+6	E	2	-	bc	1	1	53	45	mc	c	c.bc	4·5
	Clacton-on-Sea	1014·8	52	ESE	2	c	1007·6	-2	52	+4	ENE	2	-	0	2	-	53	48	0.c	c	c.bc.c	2·6
	Nottingham ...	1013·5	54	ESE	1	0	1007·9	*	50	+3	E	3	E	c	*	1	56	45	0.c	0.c	0	0·3
	Bath	1012·8	58	SSE	1	0	1004·5	*	51	+5	E	2	SE	r	*	6	61	46	mc.c	pc.c	c.cc	0·9
	Sth Farnborough	1012·5	60	S	2	bc	1005·0	-4	53		ESE	1	-	cc	*	Trace	63	45	0.c	c.bcp	0.cc	2·3
	London (Kew Obsy.)	1012·9	61	SSE	1	c	1005·8	-4	58	+8	E	3	E	cm	*	-	61	52	cm.c.0	0.c	c.cm	4·8
ICELAND, FAEROE, &c.	Spitsbergen ...	1011·7	28	N	4	0	1012·4	+1	27	+2	N	6	*	0	*	*	34	25				
	Isafjord												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1003·8	39	NE	4	0	9994	-3	37	+1	E	1	-	f	2	*	39	30				
	Bodö	9947	45	E	3	b	9985	0	45	+4	E	1	-	b	0	-	48	34				
	Christiansund	9968	37	WNW	4	0	999·3	+3	43	+2	W	2	-	0	4	17	48	37				
	Skudesnaes ..	1008·0	43	W	6	c	1007·3	0	41	+2	NW	7	-	0	4	3	45	36				
	Færder (X'ianiaFjord)	1000·8	46	W	6	c	10006	0	46	0	W	6	-	b	3	-	48	37				
	The Scaw (Skagen)	10053	45	W	7	b	10048	-1	46	0	W	7	-	b	6	-	48	41				
	Blaavands Huk	1014·7	45	WNW	5	0	1012·7	0	45	+4	WNW	2	-	0	2	Trace	46	39				
	Haparanda ...												*		*							
	Hernösand ...												*		*							
	Stockholm ...												*		*							
	Wisby												*		*							
	Karlstad												*		*							
	Petrograd (5 a.m. G.M.T.)												*		*							
FRANCE, &c.	The Helder ...	1016·7	50	SE	1	0	1011·1	-2	54	+6	E	1	-	b	1	-	52	48				
	Brussels	*	*	*	*	*							*		*							
	C. Gris Nez ...	1014·3	55	ENE	3	b	1005·2	-4	55	+7	ESE	4	*	0	2	-	63	48				
	La Hève	1011·0	59	E	1	c	10052	*	58	+5	ESE	5	*	bc	02	12	68	50				
	Ushant							*					*									
	Brest (St. Mathieu)	1010·0	55	SSE	5	0	1001·5	-1	55	+1	SE	4	*	0	4	3	57	54				
	Rochefort (Ile d'Aix)	1011·3	61	NW	3	0	10059	0	56		S	2	*	r	*		77	54				
	Biarritz	1010·0	59	ESE	3	bm	10050	-1	66	+7	S	3	*	0	2	2	66	57				
	Paris	1013·1	66	ESE	1	bc	1005·7	-3	55	+2	SSE	1	-	r	*	4	72	52				
	Belfort							*					*		*							
	Lyons							*					*		*							
	Nice	1017·2	60	SW	2	bc	1014·9	0	60	0	S	1	*	c	1	-	72	55				
	Perpignan ...	1014·6	63	ENE	1	0	10092	-1	64	+3	ENE	2	NE	0	*	1	70	57				
	Sanguinaire ...	1011·9	73	N	2	b	1011·9	*	68		S	2	*	f	2	-	?	?				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1012·8	63	SSW	3	0	1007·4	0	59	-2	SW	4	-	c	4	8	66	61				
	Madrid (8 a.m.)												*		*							
	Lisbon (9 a.m.)												*		*							
	Gibraltar	1017·2	68	W	2	b	1017·6	*	65		W	4	*	c	4	?	76	63				
	Rome												*		*							
	Malta (8 a.m.) ...	*	*	*	*	*	1018·1	+1	68		E	1	-	b	*	0	77	61				
	Azores (Horta, 8 a.m.)	1020·3	*	W	3	0							*									
	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

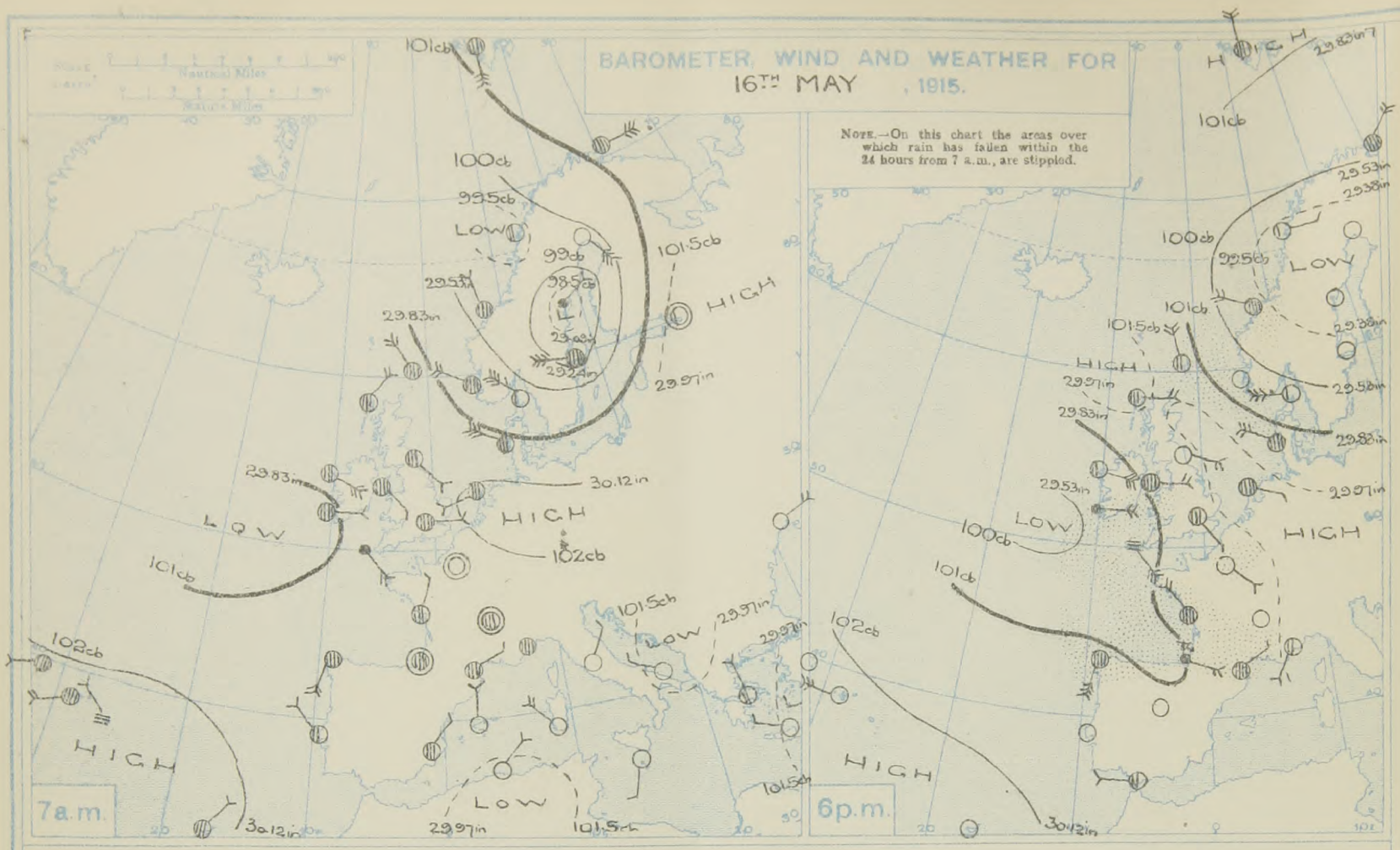
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

BAROMETER, WIND AND WEATHER FOR 16TH MAY, 1915.

Nautical Miles

Statute Miles

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



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.

STORM WARNINGS.

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

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

No Warnings Issued.

0 {a, b} Light breezes, chiefly Northerly; fair, but cloudy; cold.

1, 2 {a, b}, 3, 4 {a, b} Light to moderate Easterly winds; dull, unsettled, occasional rain; cool.

5 Light or moderate Easterly to South-Easterly winds; dull and rainy to-day, misty in places, improving to-morrow; rather cool.

6 {a, b} Moderate Easterly and North-Easterly winds; cloudy, misty, some rain; cool.

7 {a, b} Moderate Easterly to South-Easterly winds; dull, misty, some rain; cool.

8 {a, b} Light Southerly to variable breezes, cloudy, misty, some showers; normal temperature.

9 {a, b} Same as No. 7.

10 {a, b} Light Easterly to North-Easterly winds; changeable, some showers; normal temperature.

Western Channel and Bay 11 Moderate or fresh Southerly to South-Westerly winds, and a moderate or rather rough sea; changeable, some showers.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

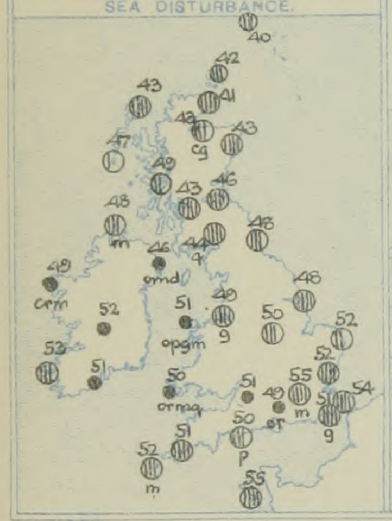
Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., MONDAY, 17TH MAY, 1915.

GENERAL INFERENCE.

The depression off our south-west coasts will continue to extend slowly eastward, and will occasion rainy weather in nearly all parts of the United Kingdom.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

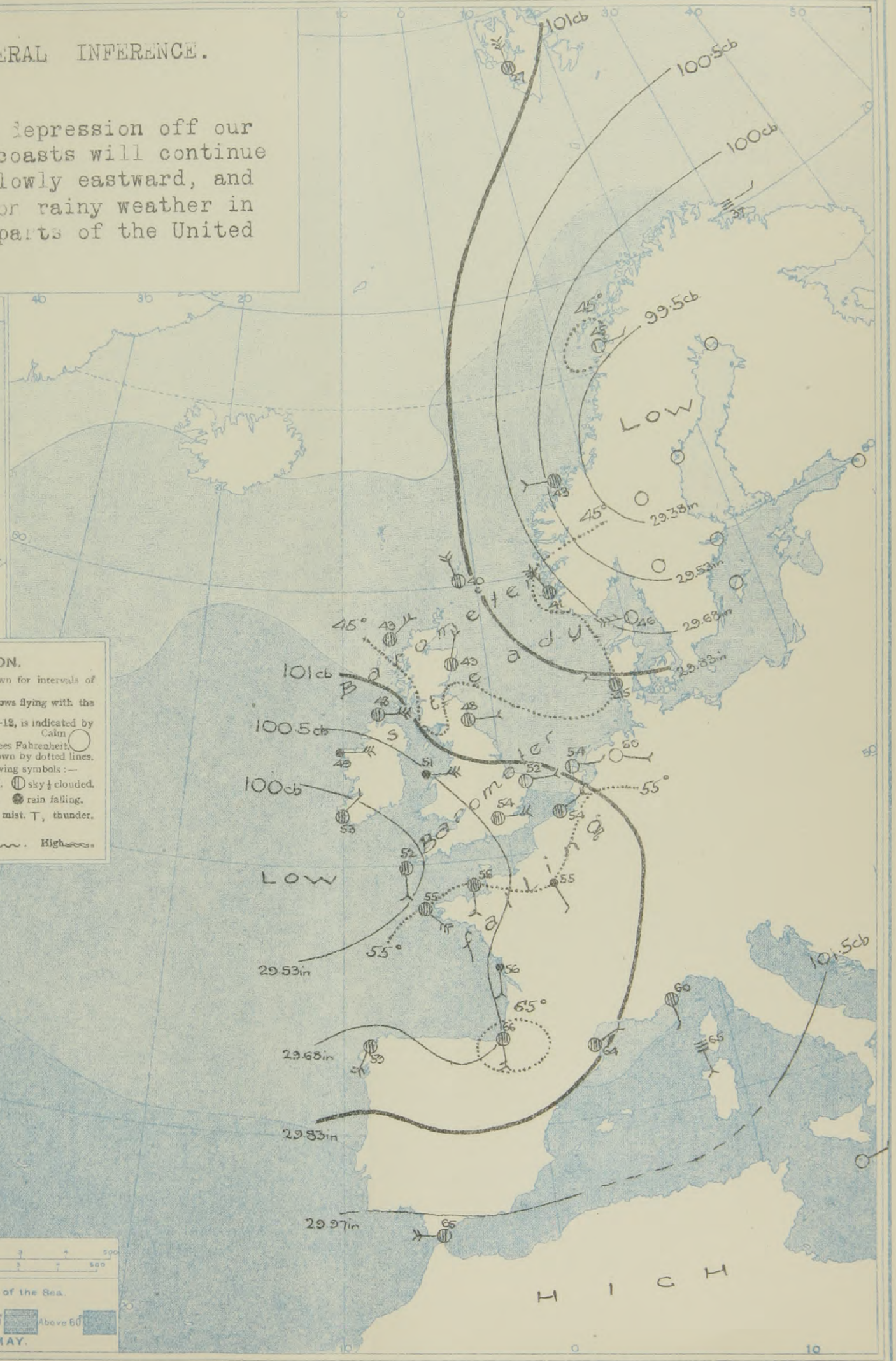
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

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

WEATHER.—Shown by the following symbols:—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder. ⊤ᵀ, thunderstorm.

SEA DISTURBANCE.—Rough ∿∿. High ≈≈.



SCALE 1 : 2 × 10⁶
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea.
Below 40° | 40°-50° | 50°-60° | Above 60°
Scale of Tints for MAY.

DAILY WEATHER REPORT. Monday 17th May 1915.

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

Heights in Kilometres.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
Station Date & Hour.	Aberdeen. 10th	8h.	Eskdalemuir. 10th.	13h.	Benson. 11th.	10A0h.	Aberdeen. 12th	8h.	Aberdeen. 13th.	8h.	Eskdalemuir. 14th.	7h.	Aberdeen. 14th.	8h.	3th. Farnboro' 15th	7h.	Aberdeen. 15th.	8h.	Eskdalemuir 15th.	8h.
4													+2	-5						
3					+1	+2							0	-8						
2	+5	+5	-4	+6	+2	+4	-1	-10					-2	-8	+1	-3			+6	-8
1	+4	+5	0	+3	+2	+1	-2	-14	+3	-13	-4	-6	-1	-10	+3	+1	+12	-16	+3	-3
0.5	+4	+5	+2	+5	0	+2	-2	-13	+6	-11	-2	-7	+2	-6	+4	0	+12	-10	0	+1
0	+2	+5	0	+4	0	0	0	-5	+9	-4	-4	-4	+3	-3	+2	0	+8	-3	-1	+2

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	-	58	32			14·4
Scotland.	Banff	-	49	40	bc	b	8·7
Scotland.	Carnoustie	-	50	32	-	-	12·7
Scotland.	St. Andrews				*	*	
Eng. N.E.	Harrogate	-	57	33	b.bc.b	bc.c	9·7
Eng. N.E.	Skegness	-	52	44	c.bc	bc.o	2·8
Eng. N.W.	Morecambe						
Eng. N.W.	Blackpool	-	57	40	o.g.bc	c.bc	7·7
Eng. N.W.	Southport	-	57	41	o.c	c.o	5·1
Midlands.	Buxton	2	58	42	o.c	c.o	1·0
Midlands.	Leamington Spa	8	57	40			0·1
Midlands.	Malvern						
Midlands.	Ross-on-Wye	3	57	41	om.c	om.or.o	0·3
Wales.	Rhyl	1	59	43	bc	bc.c	4·5
Wales.	Colwyn Bay	-	58	42	c.bc	bc	0·5
Wales.	Llandudno	0·3	59	44			1·6
Wales.	Aberystwyth	4	59	45	ro.c	bc.o	1·5
Wales.	Tenby						
England, E.	Cromer	1	56	40	ocd.bc	c.bc	1·8
England, E.	Lowestoft	1	54	44	o.c	c	3·5
England, E.	Felixstowe	1	49	40	o	bc.c	3·1
England, E.	Walton-on-Naze	1	54	45	or3	bc.c	2·9
England, E.	Southend-on-Sea	1	61	45	ro.c	c.bc	1·7
England, S.E.	Tunbridge Wells	2	62	43	bc	bc.b	3·0
England, S.E.	Margate	-	63	46	c	c.b.c	4·8
England, S.E.	Ramsgate	1	57	45	dbc	bc	5·8
England, S.E.	Hastings	3	57	45	oc.bcb	b	7·1
England, S.E.	Bexhill-on-Sea	3	57	42	b	b	10·6
England, S.E.	Eastbourne	3	58	47	o.b	b3	7·5
England, S.E.	Seaford						
England, S.E.	Brighton	2	56	46	o.c.bc	bc.c	5·6
England, S.E.	Worthing	-	57	45	o	bc	6·0
England, S.E.	Littlehampton	2	55	45	bc.b	b	5·8
England, S.E.	Bognor	2	57	45	o.bc	bc	5·9
England, S.E.	Southsea						
England, S.E.	Bournemouth	3	59	43	c.o	c.o	2·4
England, S.W.	Weymouth	3	56	44	30.bc	bc.b3	0·3
England, S.W.	Torquay	9	52	45	or	p.o	0·0
England, S.W.	Paignton	10	52	45	od	o	0·0
England, S.W.	Falmouth		53	45	pf	dfm	0·0
England, S.W.	Penzance						
England, S.W.	Newquay	2	55	45	opdm	opdm	0·0
England, S.W.	Ilfracombe	5	58	44	c.oe	oe.r	2·1
England, S.W.	Weston-super-Mare	4	57	42	c.bc.c	c.bc.c	0·1

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-Day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	66	81	0·9	65	50	39	-	c	c.bc	0
City (Bunhill Row)	*	*	1·2	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	81	98	1·0	62	52	48	-	o.bc	bc	b
Camden Sq. (Brit. Rainfall)	-	71	0·8	63	50	47	-	-	-	*
Hampstead (Reservoir)	*	71	1·0	59	48	36	-	om	om	oem
Richmond Park	*	*	1·8							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	-	76	0·6							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1031 Joules	184 Milliwatts.	67 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	2	56	43	41	r	d	g	*
Darwen to 9 p.m.								
Manchester ,,								
Birmingham ,,	2	56	41	39	r	o	o	0·3
Oxford to 8 p.m.	*							*
Teignmouth to 9 ,,								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	1	62	44	43	o.or	o	o	*

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

17th & 18th May 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3·57	11·49	7·41
	3·55	11·49	7·43
Greenwich	4·8	11·56	7·44
	4·6	11·56	7·46
Wick	3·44	12·8	8·33
	3·42	12·9	8·35
Valencia	4·46	12·37	8·27
	4·45	12·37	8·28

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to between 55° and 60° over England and the west of Scotland, and touched 63° at Margate and South Farnborough. A large amount of bright sunshine was reported on the Sussex coast, and also in the north and west of Scotland; elsewhere the duration was mostly small.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog, g. gloom; h. hail; 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.

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

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 138.

Tuesday
18th May 1915.

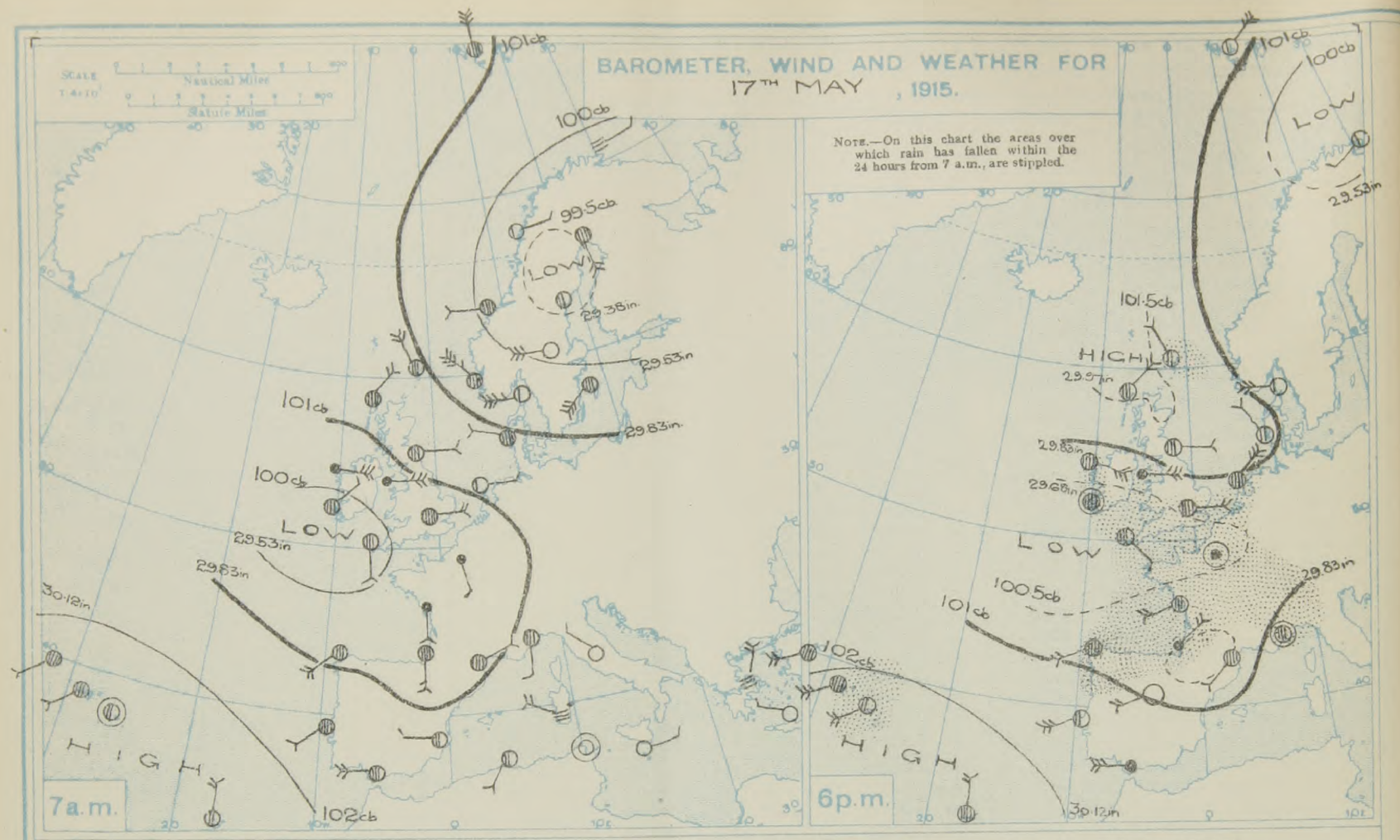
DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F	Wind. Direc.	Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F	Change in 24 hours. °F	Wind. Direc.	Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F	Min. °F	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday.
																						Hours.
BRITISH ISLANDS.	Lerwick ...	1013·6	44	NW	2	bc	1016·2	·0	44	+4	N	2	N	bc	2	1	45	38	cp	c	c p bc	
	Deerness ...	1015·6	43	N	3	0	1016·2	*	44	+2	N	3	N	c	2	–	47	37	c bc	bc c 0	0 c	3·0
	Stornoway ...	1015·5	46	NE	4	c	1016·2	+1	44	+1	NE	3	–	0	3	–	49	38	0 c	c bc c	b 0	8·0
	Castlebay (Barra Isd.)	1012·3	48	NNE	5	b	1014·9	+1	47	0	SSE	3	–	0	3	–	52	45	bq	bq	bqg 0	14·7
	Glasgow ...	1013·0	46	ENE	4	c	1015·7	+2	41	-2	NE	3	–	0	*	–	53	38	0 c bc	bc c	c 0	7·1
	Eskdalemuir ...	1012·5	46	NE	4	cg	1013·1	+1	40	-4	ENE	4	–	0	*	–	54	38	cg cc	c 0 cg	0	3·1
	Malin Head ...	1010·5	49	E	3	cm	1012·8	+2	45	-3	ESE	4	w	cq	4	–	51	44	bcm	cm	cq	1·5
	Blacksod Point	1007·3	50	ESE	5	0	1010·7	+3	47	-2	ESE	3	SE	bcm	3	2	51	45	cmr	cmr	cm	*
	Valencia ...	1003·5	56	–	0	0	1009·6	+3	50	-3	S	2	–	0	4	3	58	48	cmd	md. r	0 c 0	0·1
	Roche's Point	1004·1	54	SE	2	0	1010·7	*	51	0	E	3	–	0	3	4	56	48	fd	fd 0 c	cm	*
	Birr Castle ...	1004·8	53	E	1	r	1011·2	*	47	-5	SW	2	–	0	*	2	55	46	d	cc	0	0·0
	Donaghadee ...	1009·5	47	ESE	4	cmr	1013·4	+3	44	-2	E	3	–	cm	3	1	49	44	cmr	cmr	cmr cm	*
	Liverpool (Bidston)	1007·1	52	ENE	3	p	1012·3	+2	44	-5	ENE	3	E	bc	2	4	59	43	0	c 0	cc bc	0·5
	Holyhead ...	1005·8	51	E	5	cgmr	1010·9	+3	47	-4	E	5	E	cm	5	14	53	45	cpmg	cgmr	cgmrc	0·0
	Pembroke (St. Ann's)	1003·9	53	SE	2	c	1009·9	+3	48	-2	ENE	3	–	cgm	3	4	57	47	cgm	cp	cpm	2·2
	Scilly (St. Mary's)	?1001·4	55	SE	1	c	1008·5	+3	51	-1	NNW	3	–	fc	3	0·3	57	49	bcm	cm	cm fc	4·1
	Falmouth ...	1002·5	54	ENE	1	0	1008·0	+5	53	+2	NNE	2	–	m	3	1	57	50	0 bc 0	0 c	fc 03	2·6
	Jersey (St. Aubin)	1002·8	58	E	2	0	1005·9	*	52	-3	N	2	–	0	2	2	61	49	cp 0	cp bc 0	cf	2·5
	Portland Bill ...	1004·0	52	E	2	c	1006·3	+3	48	-2	NE	5	NE	0	4	1	54	46	c 0	0	cfr cp	*
	Dungeness ...	1003·7	53	ENE	3	0	1003·5	+2	49	-2	NE	4	–	r	4	29	54	48	cm	03	cc	*
	Dover	1004·5	53	NE	3	03	1004·5	+2	47	-7	NE	5	NE	cr	3	18	56	47	cr 0	0 c 03	cc	0·2
	Wick	1015·8	43	NE	2	0	1016·6	0	42	+1	NW	1	NW	0	2	–	45	37	cg c	c 0	0	*
	Nairn	1014·7	49	ENE	3	bc	1016·2	*	43	0	–	0	–	cg	1	–	52	36	c bc	cw	gbc	6·2
	Aberdeen ...	1015·2	45	ENE	2	0	1016·7	+2	43	0	N	2	–	0	2	–	48	41	0	0 c 0	0 c 0	0·2
	Leith	1014·3	45	E	3	0	1015·9	+1	43	-3	E	2	–	0	*	–	51	42	0 c	c 0	c bc	*
	Tynemouth ...	1012·8	46	E	2	c	1014·4	0	44	-4	ENE	2	–	cg	3	–	49	43	c	c	cg	*
	Spurn Head ...	1010·4	47	SE	6	0	1012·0	0	46	-2	ENE	6	–	cq	5	–	51	42	c	0	0 c	5·1
	Yarmouth ...	1007·6	50	ENE	5	cm	1008·6	+3	46	-6	NE	8	NE	cmr	5	1	54	45	bc cm	cm	cm	2·8
	Clacton-on-Sea	1005·8	52	NE	3	cg	1006·1	+2	46	-6	NNE	4	NE	cg	4	6	53	46	cpd	cdg	cgr	0·1
	Nottingham ...	1007·7	54	E	5	0	1011·4	*	45	-5	NE	4	NE	0	*	–	62	43	c 0	c 0	0	0·8
	Bath	1004·1	56	E	1	0	1009·3	*	45	-6	? NE	2	NE	r	*	13	59	44	r	r 0	cmr	0·0
	Sth Farnborough	1005·5	53	E	2	0	1007·2	+3	44	-9	NNE	3	–	r	*	30	55	44	r bc	bc 0	cr	0·0
	London (Kew Obsy.)	1005·4	54	E	3	cm	1007·4	+2	45	-10	NE	4	–	cmr	*	24	57	45	cmr cm	cm cmr	cm cmr	0·0
ICELAND, FAEROE, &c.	Spitsbergen ...	1011·5	16	NE	6	b	1011·9	+2	10	-17	N	4	*	b	*	*	21	7				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	996·6	39	SW	1	b	995·7	+1	41	+4	NW	5	–	c	3	*	41	34				
	Bodö																					
	Christiansund																					
	Skudesnaes ...																					
	Færder (Christiania Fjord)																					
	The Scaw (Skagen)	1007·3	46	W	5	b	1010·7	+3	50	+4	–	0	–	b	1	–	52	36				
	Blaavands Huk	1012·0	46	NNW	2	bc	1011·7	0	46	+1	N	2	NE	bc	2	–	50	39				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (6 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1008·4	50	NE	6	0	1006·6	-1	46	-8	NE	7	–	r	6	2	55	46				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1003·1	52	ENE	4	f	1002·4	+1	49	-6	NE	6	*	r	4	11	57	48				
	La Hève	1002·3	57	NNE	2	0	1003·4	*	50	-5	NNW	2	*	f	1	8	68	48				
	Ushant	?1001·5	55	S	3	0	1007·1	*	51		NNE	3	*	m	5	2	59	46				
	Brest (St. Mathieu)	1003·0	59	S	2	c	1008·4	+5	50	-5	N	3	*	m	6	–	64	50				
	Rochefort (Ile d'Aix)	1005·7	57	WSW	4	c	1003·9	0	55	-1	SSE	4	*	r	*	1	61	54				
	Biarritz	1005·3	68	NE	3	r	1007·7	+1	54	-12	SW	5	*	r	3	26	66	52				
	Paris	1003·1	59	SSW	1	r	1004·4	+2	59	+4	WSW	2	–	c	*	18	68	54				
	Belfort							*					*		*							
	Lyons	1007·4	58	S	3	r	1006·4	*	54		NNW	1	*	0	*	30	69	51				
	Nice	1012·4	59	–	0	c	1006·1	-1	55	-5	–	0	*	Wtf	2	27	66	54				
	Perpignan ...	1005·0	68	SW	2	0	1006·4	+1	57	-7	WNW	3	–	0	*	–	72	54				
	Sanguinaire ...	1009·5	73	E	1	0	1006·6	*	63	-2	SE	4	*	0	3	–	?	?				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1007·9	57	WSW	6	0	?1016·8	+5	57	-2	W	3	–	bc	4	4	64	55				
	Madrid (8 a.m.)	1009·2	64	WSW	2	b	1015·4	+2	55		W	3	–	bc	*	–	66	48				
	Lisbon (9 a.m.)	1017·2	63	WSW	5	bc	1013·1	+2	59		WSW	2		bc	–	–	66	57				
	Gibraltar	1018·9	65	W	5	0	1019·3	*	60	-5	NW	5	*	b	4	?	71	58				
	Rome														*							
	Malta (8 a.m.) ...	*	*	*	*	*	1014·7	0	70	+2	ESE	1		b	0	–	72	61				
	Azores (Horta, 8 a.m.)	1022·7	*	SW	5	0	1018·3	-1	64	+3	SW	4	*	r	2	1	68	61				
	Madeira (Funchal)	1024·3	66	N	3	0	1024·6	0	63	+2	N	3	NE	0	3	–	68	66				

RAINFALL.

Equivalents of Millimetres in Inches.

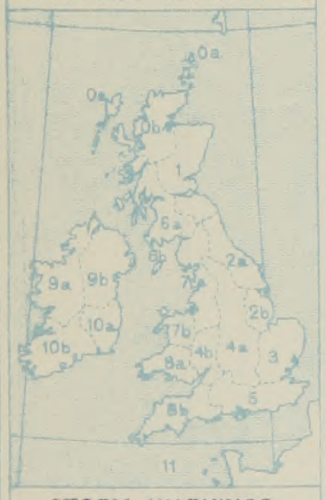
mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69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

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



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The 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.

0 {a b} 1 — Light winds from between North and East; fair generally, but cloudy or misty in places; cold.

2 {a b} — Moderate or fresh Easterly and North-Easterly winds; showery at first, improving later; remaining cool.

3 — Same as No 5.

4 {a b} — Same as No 2.

5 — Fresh or strong Northerly and North-Easterly winds, moderating later; some rain at first, then fair; remaining cool.

6 {a b} 7 {a b} — Light or moderate Easterly winds; fair generally, but cloudy or misty in places; remaining cool.

8 {a b} — Light Northerly to variable breezes; cloudy, misty, rain later; remaining cool.

9 {a b} 10 {a b} — Light to moderate Easterly to South-Easterly winds; dull, some rain; remaining cool.

Western Channel and Bay 11 — Variable breezes in northern part, moderate South-Westerly winds further south; cloudy, misty; sea slight generally

FURTHER OUTLOOK.

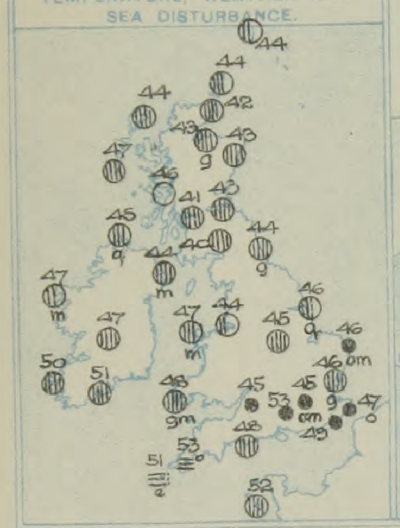
R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., TUESDAY, 18TH MAY, 1915.

GENERAL INFERENCE.

The depression over northern France is likely to disperse gradually, but there are some indications of the approach of another disturbance towards our south-west coasts.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

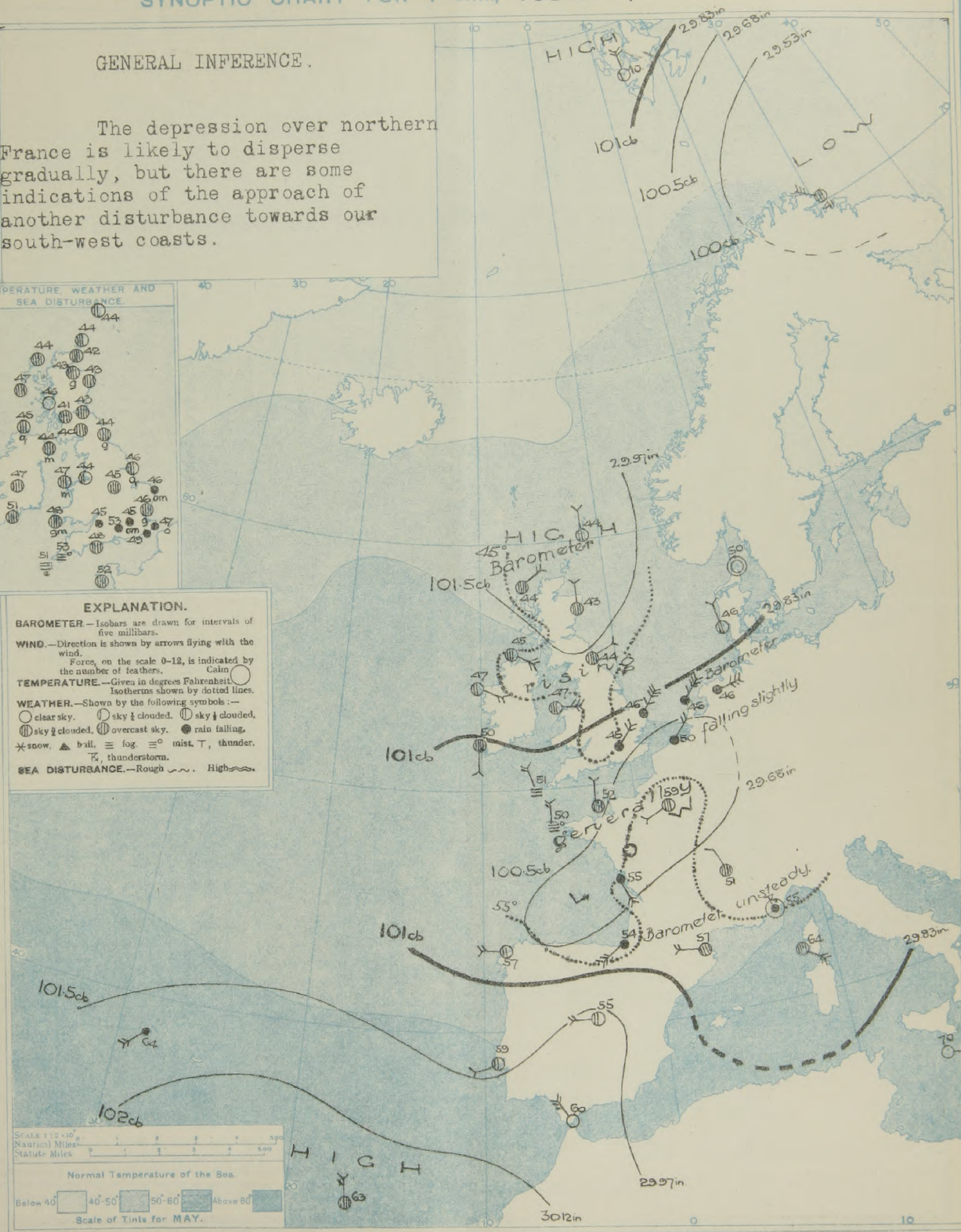
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

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

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder. ⊤ₓ thunderstorm.

SEA DISTURBANCE.—Rough ⌣⌣. High ≈≈.



DAILY WEATHER REPORT. Tuesday 18th May 1915.

REPORTS FOR YESTERDAY.

17th May

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Haparanda	997·6	41	SE	2	c	996·2	0	37	−8	S	4	-	0	*	7	48	34
Hernosand	999·7	45	WSW	4	c	999·8	+2	41	+4	-	0	W	c	*		46	34
Stockholm	997·8	45	WSW	4	c									*			
Wisby	1004·4	45	WSW	6	c	1003·8	−1	43	−1	SW	6		c	*	1	50	37
Karlstad	997·9	48	WSW	4	bc	998·7	0	*5	+1	W	6	-	b	*	0	50	37
Rome	1017·6	66	-	0	b	1016·8	0	59	−2	NW	1	-	b	*	0	77	56
Horta						1023·7	0	61	−2	SW	2	*	c	2	0	68	61
Funchal	1022·4	66	W	2	b	1024·6	+2	61	−3	N	3	W	bc	2	-	68	59

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	-	60	40	-	-	13·6
Scotland	Banff	-	46	37	o.c.bc	bc.c	5·8
Scotland	Carnoustie	-	49	34	o	bc	2·8
Scotland	St. Andrews	-	49	36	*	*	1·7
Eng. N.E.	Harrogate	2	50	43	o	c.o	0·0
Eng. N.E.	Skegness		53	48	o.bc	bc.c	6·3
Eng. N.W.	Morecambe	7	52	48	r	c	0·4
Eng. N.W.	Blackpool	5	57	40	or.o	o.c.o	2·7
Eng. N.W.	Southport	7	57	47	or.c	c.bc	1·0
Midlands.	Buxton	7	54	45	c	c.b	0·2
Midlands.	Leamington Spa	6	60	46	od	od	0·0
Midlands.	Malvern	24	53	49	r	r.	0·0
Midlands.	Ross-on-Wye	22	53	49	rm	rm	0·0
Wales.	Rhyl	8	58	46			0·0
Wales.	Colwyn Bay	6	58	46	r	r	0·0
Wales.	Llandudno	8	55	48			0·0
Wales.	Aberystwyth	6	56	51	ro	ro.r	0·0
Wales.	Tenby	7	58	43	bc.or	bc.op	1·6
England. E.	Cromer	-	56	45	bc.or	o.c	2·6
England. E.	Lowestoft	-	52	46	c.o	o	2·4
England. E.	Felixstowe	-	52	49	o	o	0·3
England. E.	Walton-on-Naze	-	52	49	o.cmsp	o.c	0·1
England. E.	Southend-on-Sea	1	54	50	or.o	o	0·0
England, S.E.	Tunbridge Wells	8	57	50	or	or.om	0·0
England, S.E.	Margate	2	53	50	r	o	0·0
England, S.E.	Ramsgate	-	52	49	ro	o	0·0
England, S.E.	Hastings	7	56	50	or	o	0·0
England, S.E.	Bexhill-on-Sea	10	57	46	or	o	0·0
England, S.E.	Eastbourne	4	55	51			0·0
England, S.E.	Seaford						
England, S.E.	Brighton	5	58	51	or.o	or.o	0·0
England, S.E.	Worthing	13	55	52			0·0
England, S.E.	Littlehampton	9	55	51	om	dcg	0·0
England, S.E.	Bognor	8	55	52	or	o	0·0
England, S.E.	Southsea	13	57	52	ed	o	0·0
England, S.E.	Bournemouth	7	59	50			0·1
England, S.W.	Weymouth	9	59	49	o.c	c.bc.o	0·5
England, S.W.	Torquay	5	58	49	op	p.bc.c.o	2·5
England, S.W.	Paignton	5	58	48	bc	op	2·6
England, S.W.	Falmouth	12	57	50	o.bc.o	bc	2·6
England, S.W.	Penzance	12	58	52	r.bc	bc	5·0
England, S.W.	Newquay	6	59	52	cm.bcm	b.bc.o	5·8
England, S.W.	Ilfracombe	2	63	50	r.o.c	bc.c.o	1·8
England, S.W.	Weston-super-Mare	12	60	49	r	r.cm	0·0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-Day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	80	94	0·0	57	45	43	28	o.r	o	or.
City (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	83	96	0·0	57	49	45	23	o.bc	o.d	o.r
Camden Sq. (Brit. Rainfall)	74	99	0·0	59	45	46	23	or.o	o	*
Hampstead (Reservoir)	*	94	0·0	55	41	35	26	o	or	or
Richmond Park	*	*	0·0							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	72	93	0·0							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
527 Joules	9·4 Milliwatts.	27 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.								
Darwen to 9 p.m.	4	54	45	45	o.ur	o.o.bc	bc.c.o	1·8
Manchester ,,								
Birmingham ,,								
Oxford to 8 p.m.	*				*			*
Teignmouth to 9 ,,								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	4	61	53	45	o	o.r	o	*

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

18th & 19th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·55 / 3·53	11·49	7·42 / 7·44
Greenwich	4·6 / 4·5	11·56	7·46 / 7·47
Wick	3·42 / 3·40	12·8	8·35 / 8·37
Valencia	4·45 / 4·44	12·37	8·28 / 8·29

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to between 55° and 60° in most of the English districts, and touched 63° at Ilfracombe; on some parts of our north and north-east coasts it did not reach 50°. Heavy rain has fallen in the south 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; 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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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 139. Wednesday 19th May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
BRITISH ISLANDS.	Lerwick ...	1018·1	45	NE	3	c	1020·1	‡ 0	45	+1	ENE	4	E	bc	3	-	47	41	bc	c	c.bc	Hours.
	Deerness ...	1017·9	45	E	3	b	1019·6	*	44	0	ESE	3	-	o	3	-	51	43	c.bc	bc. b	b.bc.c.o	12·4
	Stornoway ...	1015·6	48	NE	4	bg	1016·0	+1	45	+1	SE	4	-	cgq	4	-	52	42	o. b	bg	bbgq	9·9
	Castlebay (Barra Isd.)	1013·8	50	NE	3	b	1014·1	0	47	0	ESE	4	-	o	4	-	52	46	o.c.obc	bc.b	bc. o	8·6
	Glasgow ...	1015·9	48	ENE	4	b	1018·1	+2	42	+1	E	2	9	b	*	-	51	35	o.c.bc.b	b	b.bcc	8·6
	Eskdalemuir ...	1013·6	45	ENE	4	b	1018·6	+1	41	+1	ENE	2	-	bc	*	-	51	31	c	c. bc	bc.b.bc	8·8
	Malin Head ...	1012·2	49	ESE	4	bm	1012·0	0	47	+2	SE	3	SE	cm	5	-	51	45	bc	bm	cm	9·2
	Blacksod Point	1009·5	53	ESE	2	bcm	1006·6	-2	49	+2	SE	4	SE	cmr	3	2	58	45	bcm	bcm	cm d	*
	Valencia ...	1009·5	53	SSE	3	o	1009·5	+1	52	+2	SSE	3	-	m	?	10	55	50	do.c	ov.g	r0m	0·3
	Roche's Point	1012·8	51	SSE	3	o	1009·7	*	52	+1	SSE	4	-	r	4	5	54	51	cm	cm	cdf	*
	Birr Castle ...	1011·5	65	SE	2	c	1009·7	*	51	+4	SE	3	-	r	*	1	59	46	c	c	o.cd	1·8
	Donaghadee ...	1013·7	49	SE	3	bm	1014·3	+1	45	+1	SE	5	-	cm	3	-	51	44	b	bm	bcm.cm	*
	Liverpool (Bidston)	1013·6	52	E	3	b	1017·3	+1	43	-1	ENE	4	-	b	3	-	55	39	bm	bm	b	9·7
	Holyhead ...	1013·3	54	E	4	bm	1015·2	+1	52	+5	S	3	-	cm	2	-	55	45	c.bc.bm	bm	b.bc.c.c	8·8
	Pembroke (St. Ann's)	1013·6	50	SE	1	b	1014·7	0	49	+1	SSE	4	S	cgq	4	Trace	53	47	ogm	bo	bm	5·7
	Scilly (St. Mary's)	10130	52	W	3	f	1013·1	0	52	+1	SSE	5	S	cmp	5	1	56	50	f	f	cm.cp	0·0
	Falmouth ...	10139	51	S	2	o	1014·8	0	51	-2	SSE	4	-	o	4	-	54	50	fe.o3	o	o	0·1
	Jersey (St. Aubin)	1012·7	50	NNE	3	og	1017·9	*	54	+2	NW	2	-	bm	1	Trace	54	40	og	og	obmw	0·0
	Portland Bill ...	1012·3	52	W	1	bc	1017·0	+2	48	0	ENE	2	-	b	3	1	53	46	op	c. bc	c.bc	*
	Dungeness ...	1010·1	45	NNE	4	r	1016·3	+3	46	-3	N	3	-	o	3	5	49	43	or	or	od.ro	*
	Dover	1010·5	45	N	6	r	10160	+3	47	0	N	5	N	o	3	5	47	42	or	or	pro	0·0
	Wick	1017·7	46	E	2	o	10190	0	45	+3	E	3	-	o	3	-	47	42	o.bc	bc o	o.bc	*
	Nairn	1016·1	48	E	5	bcg	1017·4	*	46	+3	E	2	-	bc	2	-	50	34	cg	bcw	gbc	6·0
	Aberdeen ...	1017·6	47	E	2	b	1019·3	+1	45	+2	E	1	-	o	2	-	52	40	o.c.bc	bc.b	bbc o	7·4
	Leith	1016·9	45	NE	3	c	10186	+1	44	+1	E	2	E	c	*	-	48	42	o	c	c	*
	Tynemouth ...	1015·6	45	E	2	c	1018·8	+2	46	+2	E	1	-	c	2	-	48	42	c	c	c	*
	Spurn Head ...	1014·9	48	NE	5	c	10167	+4	47	+1	E	4	-	o	4	-	50	43	cq	cq	oq	0·8
	Yarmouth ...	1012·3	45	NNE	6	cmr	1017·5	+5	48	+2	N	3	N	bc	2	9	48	44	cmr	cmr	c.bc	0·0
	Clacton-on-Sea	1011·2	44	NNW	3	og	1016·4	+3	46	0	N	3	NE	bc	2	10	47	43	ogr	ogr.og	ogdbc	0·0
	Nottingham ...	1014·7	48	ENE	4	bc	1018·7	*	45	0	E	1	E	c	*	-	51	38	o. c	c.bc	bc.b	6·5
	Bath	10132	56	E	1	b	1018·0	*	45	0	NE	3	-	b	*	3	58	35	r0. c.b	bc.b	b	4·8
	Sth Farnborough	1012·1	49	NNE	3	o	10178	+4	42	-2	NNE	1	-	b	*	5	49	37	r. d	d. o	o.c.bc.b	0·1
	London (Kew Obsy.)	1013·3	47	NNE	2	o	1018·6	+2	46	+1	NE	2	-	bc	*	7	49	41	omr.odo	or.od.o	o. bc	0·0
ICELAND, FAEROE, &c.	Spitsbergen ...	1013·2	30	S	2	9	1013·0	-1	28	+18	SE	4	*	o	*	*	30	28				
	Isafjord ...																					
	Reykjavik ...																					
	Vestmanna ...																					
	Seydisfjord ...																					
	Thorshavn ...																					
NORTHERN EUROPE.	Vardö	10066	30	N	6	o	1012·4	+4	28	-13	NW	7	-	c	4	*	41	30				
	Bodö	1016·8	37	W	4	c	1022·9	+3	36	-1	NW	2	-	s	2	-	37	34				
	Christiansund	10202	43	N	1	b	1023·0	+2	43	0	NE	2	-	b	3	-	46	39				
	Skudesnaes ..	1013·7	52	NNW	3	b	1019·7	+3	52	+6	SE	3	-	b	1	-	52	45				
	Færder (X'lania Fjord)	1014·6	52	W	1	b	1022·6	+3	46	+1	NE	3	SW	c	1	-	57	43				
	The Scaw (Skagen)	1013·9	50	-	0	b	10200	+4	48	-2	E	3	-	c	3	-	52	45				
	Blaavands Huk	1012·3	48	NNE	1	b	1016·7	+2	50	+4	E	3	-	o	1	-	50	36				
	Haparanda ...	1008·3	41	N	2	o	1019·4	+4	37	-4	N	6	N	bc	*	Trace	48	28				
	Hernösand ...	1013·5	45	NW	4	bc	1023·9	+4	43	-2	N	2	N	b	*	-	50	34				
	Stockholm ...	1013·2	46	ESE	2	bc	1021·7	+5	46	-2	N	2	-	b	*	-	55	34				
	Wisby	10141	46	W	2	b	1021·3	+5	54	+9	ESE	2	W	b	*	-	55	37				
	Karlstad	1014·3	56	W	2	b	1023·5	+5	46	0	E	2	-	b	*	-	59	37				
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	10082	46	NE	7	r	1014·1	+3	48	+2	NNE	4	-	o	4	13	48	46				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1009·0	46	N	6	r	1016·4	+3	47	-2	N	6	*	o	5	3	50	45				
	La Hève	1010·1	46	N	3	f	1017·2	*	46	-4	N	3	*	o	3	-	61	45				
	Ushant	1015·1	55	NE	3	o	1015·1	*	55	+4	SSE	3	*	o	3	-	59	46				
	Brest (St. Mathieu)	1015·0	55	N	1	o	1017·0	-1	54	+4	SE	4	*	o	3	-	63	52				
	Rochefort (Ile d'Aix)	1012·7	57	WNW	5	c	1018·7	+3	56	+1	WNW	3	*	o	*	-	64	54				
	Biarritz	10176	57	W	5	bc	1020·2	+2	56	+2	SW	3	*	o	3	3	57	54				
	Paris	1009·0	54	NW	3	o	1015·8	+3	48	-11	NW	2	-	o	*	-	68	46				
	Belfort							*					*		*							
	Lyons	1007·7	55	NW	3	o	1016·6	*	58	0	NNW	3	*	o	*	2	59	51				
	Nice	10047	55	E	4	c	10074	+3	57	+2	-	0	*	b	3	18	66	50				
	Perpignan ...	1010·1	61	SW	6	o	10164	+2	61		NW	6	NW	b	*	-	72	54				
	Sanguinaire ...							*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1019·8	61	W	5	o	1020·0	o	61	+4	SSW	4	-	o	3	-	63	55				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)	1020·7	64	W	4	b	1021·1	+1	61	+2	-	0	-	b	6	-	66	57				
	Gibraltar	1019·3	63	NW	6	b	1018·6	*	60	0	NW	3	*	b	2	-	73	58				
	Rome	1009·3	64	S	1	o	10096	o	63	-3	SE	1	-	b	*	7	75	59				
	Malta (8 a.m.) ...	*	*	*	*	*	1015·1	+1	66	-4	NW	4	-	o	3	-	77	64				
	Azores (Horta, 8 a.m.)														*							
	Madeira (Funchal)	10239	66	N	3	o	1023·7	o	64	+1	NE	2	-	c	3	-	68	64				

GALES.

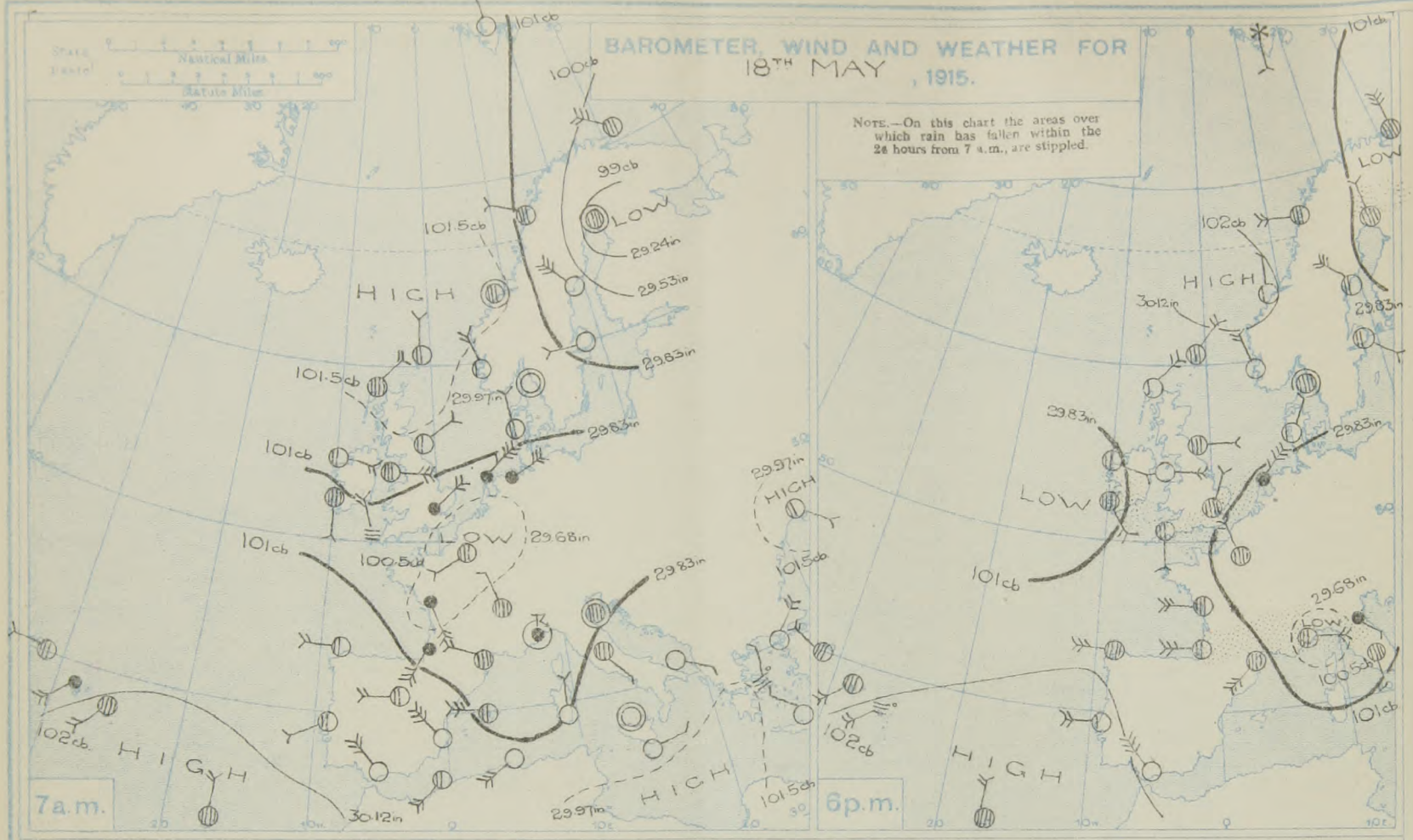
Duration and Extreme Force in British Islands.

Great Yarmouth

18th 4 a.m.–5 p.m. NNE 8.

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

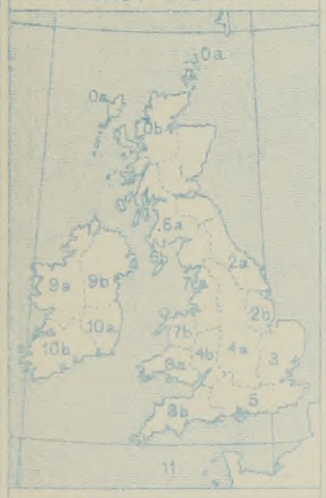
BAROMETER, WIND AND WEATHER FOR 18TH MAY, 1915.



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

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

0 (a, b) Moderate Easterly and South-Easterly winds; fair generally; becoming rather warmer.

1, 2 (a, b) Light or moderate Easterly to South-Easterly winds; fair to-day, some showers to-morrow; warmer.

3, 4 (a, b), 5 Light variable breezes, finally Easterly; fair to-day, doubtful to-morrow, probably becoming cloudy and showery; temperature rising.

6 (a, b) Moderate Easterly and South-Easterly winds; dull, misty, some showers; warmer.

7 (a, b) Moderate or fresh Southerly and South-Easterly winds; dull, some showers, misty in places; warmer.

8 (a, b) Moderate Southerly to South-Westerly winds; changeable, some showers, misty in places; warmer.

9 (a, b) Same as No. 7.

10 (a, b) Same as No. 8.

Western Channel and Bay 11 Moderate or fresh South-Westerly winds, and a moderate sea; changeable, some showers, misty in places; rather warmer.

FURTHER OUTLOOK.

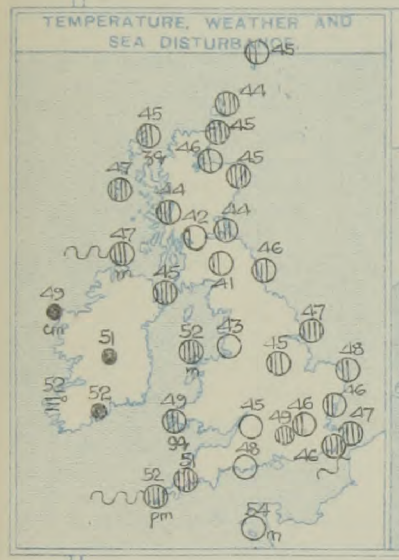
R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 19TH MAY, 1915.

GENERAL INFERENCE.

The depression off the west of Ireland will probably extend very slowly eastwards, and occasion a renewal of rainy or showery weather in most districts.



EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ◍ overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊼, thunderstorm.

SEA DISTURBANCE.—Rough ∿∿. High ≈≈.

Scale 1 : 2·10⁷
Nautical Miles 0 100 200 300 400 500
Statute Miles 0 100 200 300 400 500

Normal Temperature of the Sea

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.

DAILY WEATHER REPORT. Wednesday 19th May 1915.

REPORTS FOR YESTERDAY.

18th May

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Bodö	998.6	39	WNW	4	c	1008.0	+10	37	−8	WNW	2	–	c	2	2	41	36
Christiansund	1007.7	43	WNW	2	c	1015.1	+3	43	0	–	0	–	c	4	1	45	39
Skudesnaes	1011.1	45	NW	4	c	1012.3	0	46	+5	NNW	2	–	c	2	–	46	41
Haparanda	996.2	41	S	2	bc	987.3	+4	41	−4	–	0	–	c	✳	1	43	34
Hernosand	997.1	43	S	2	bc	1004.8	+3	45	+8	NW	6	NW	b	✳	2	46	36
Stockholm	999.5	46	W	2	0	1007.7	+3	48	+9	W	2	–	b	✳	–	52	37
Wisby	1004.8	45	WSW	4	b	1011.1	+5	45	+1	W	2	–	b	✳	1	48	39
Karstad	1003.4	52	WNW	2	b	1011.4	+5	46	+2	NNW	2	–	b	✳	–	55	32
Rome	1015.1	66	9	1	0	1011.7	+2	66	+7	SE	1	–	0	✳	8	77	61

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	57	39			14.1
Scotland.	Banff	–	48	42	c	b	5.5
Scotland.	Carnoustie	–	48	39	0	bc	3.0
Scotland.	St. Andrews	–	48	36	✳	✳	2.8
Eng. N.E.	Harrogate	–	49	40	0	c.bc.c.0	1.6
Eng. N.E.	Skegness	–	49	45	0.c	c.0	1.9
Eng. N.W.	Morecambe	–	55	43	b	b	11.0
Eng. N.W.	Blackpool	–	56	43	b	b	11.6
Eng. N.W.	Southport	–	56	43	b	b	11.3
Midlands.	Buxton	–	51	38	bc	b	7.3
Midlands.	Leamington Spa	6	54	43	0.c	bc	5.6
Midlands.	Malvern	–	55	42	bc	b	6.0
Midlands.	Ross-on-Wye	4	56	42	0m	bc	6.5
Wales.	Rhyl	2	58	43			10.5
Wales.	Colwyn Bay	–	56	43	bc	bc	8.8
Wales.	Llandudno	6	55	42			7.6
Wales.	Aberystwyth	10	57	46			7.0
Wales.	Tenby	1	57	47	bc	b	6.5
England. E.	Cromer	1	47	44	0.c	0.c.r	0.0
England. E.	Lowestoft	11	49	44	r	0r	0.0
England. E.	Felixstowe	4	46	46	0r	0r	0.0
England. E.	Walton-on-Naze	13	46	43	0r	0r	0.0
England. E.	Southend-on-Sea	28	46	45	r	r	0.0
England. S.E.	Tunbridge Wells	4.6	49	43	0r	0r 0m	0.0
England. S.E.	Margate	13	48	45	0.r	0.r	0.0
England. S.E.	Ramsgate	33	47	43	r	r	0.0
England. S.E.	Hastings	19	54	44	0r	0d	0.0
England. S.E.	Bexhill-on-Sea	25	55	45	0r	0r	0.0
England. S.E.	Eastbourne	29	49	46	0r	0r	0.0
England. S.E.	Seaford						
England. S.E.	Brighton	29	48	47	0r	0r.0	0.0
England. S.E.	Worthing	21	49	46	r	0	0.0
England. S.E.	Littlehampton	19	54	41	0d	0u.d	0.0
England. S.E.	Bognor	21	51	46	0r	0	0.0
England. S.E.	Southsea	15	52	46	r0	0	0.0
England. S.E.	Bournemouth	5	56	45	0	c	1.6
England. S.W.	Weymouth	1	57	47	0.c	c.bc.b	0.7
England. S.W.	Torquay	–	55	47	0	c.0	0.6
England. S.W.	Paignton	–	55	48	0	bc	1.5
England. S.W.	Falmouth	–	54	49	fe.0	0	0.1
England. S.W.	Penzance	1	58	50	c	c	0.6
England. S.W.	Newquay	–	56	50	0	0	0.1
England. S.W.	Ilfracombe	7	56	47	0.c	bc.b3	4.2
England. S.W.	Weston-super-Mare	3	58	46	rc	bc.b	4.0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday. %	Humidity. 9 a.m. To-day. %	Sunshine for Yesterday. Hr.	Temperature. In Screen. Max. °F. (24 hours ended 9 A.M. To-day.)	Temperature. In Screen. Min. °F. (24 hours ended 9 A.M. To-day.)	Temperature. Min. on Grass. °F. (24 hours ended 9 A.M. To-day.)	Rainfall. mm.§ (24 hours ended 9 A.M. To-day.)	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
Greenwich (Royal Obsy.)	87	71	0.0	52	43	39	7	0r	0r	0.c.bc
City (Bunhill Row)	✳	✳	0.0	✳	✳	✳	✳	✳	✳	✳
Westminster (St. James's Pk.)	86	73	0.0	51	49	41	4	r	r	r0.bc
Camden Sq. (Brit. Rainfall)	81	67	0.0	54	42	39	3	0r	0r.0	✳
Hampstead (Reservoir)	✳	67	0.0	52	38	29	3	0r.c	bc	bc
Richmond Park	✳	✳	0.0							
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.
407 Joules	7.2 Milliwatts.	18 Milliwatts.

S. Kensington (Roof of M.O.)	83	64	0.0

Additional Observations for Yesterday.

STATIONS.	Rainfall. mm.§	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Night Min. on Grass. °F.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday. °Hr.
Dublin to 4 p.m.								✳
Darwen to 9 p.m.								
Manchester ,,				✳				
Birmingham ,,	3	53	42	40	✳	0.c	c	6.7
Oxford to 8 p.m.	✳							✳
Teignmouth to 9 ,,								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	20	55	45	45	0r	0r	0d	✳

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

19th & 20th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.53 / 3.51	11.49 / 11.49	7.44 / 7.46
Greenwich	4.5 / 4.4	11.56 / 11.56	7.47 / 7.48
Wick	3.40 / 3.38	12.8 / 12.8	8.37 / 8.39
Valencia	4.44 / 4.43	12.8 / 12.7	8.34 / 8.32

NOTES ON YESTERDAY'S WEATHER.

Over a large portion of Great Britain the thermometer failed to reach 50°, but on our west and south-west coasts it exceeded 55°. Rain continued to fall in the east and south-east of England, and set in at night in the west and south of Ireland.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; 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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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 140. Thursday 20th May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Baron. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Change in 24 hours.	Wind. Direc.	Force 0–12.	Direc. of Upper Cloud.	Weather	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1020·4	46	E	4	c	1019·5	±-1	46	+1	SSE	4	-	c	3	-	47	43	bc	bc	bc	
	Deerness ...	1017·9	46	SE	6	bc	1016·2		46	+2	SSE	5	-	ou	5	-	49	44	0 c	c. bc	bc. ou	6·2
	Stornoway ...	1013·0	54	SE	3	0	1011·4	0	51	+6	SE	5	-	cg	5	3	57	45	bcg	bc. 0	ofg cg	2·4
	Castlebay (Barra Isd.)	1011·2	50	E	5	r	1009·3	.0	49	+2	E	4	-	om	5	6	50	46	rc	r	rcp m	0·0
	Glasgow ...	1015·2	48	ENE	4	0	1012·7	-2	45	+3	ENE	4	-	od		-	56	42	c bg. e	0. cg. of	of od	6·8
	Eskdalemuir ...	1015·5	59	ESE	3	0	1013·6	-1	48	+7	ESE	2	-	rc		2	59	40	bc	bc. c. cg	cg om	7·1
	Malin Head ...	1007·8	50	SE	5	cmq	1007·5	0	51	+4	SE	4	-	cmr	3	6	51	45	cmq p	cmq p	cmr	0·0
	Blacksod Point	1008·8	54	SE	4	bc	1004·2	0	51	+2	S	3	S	cm d	2	3	58	48	cmp	bc p	bc p. bc	
	Valencia ...	1005·6	55	SSE	3	r	1004·6	0	54	+2	S	3	-	0	4	4	57	52	cmp	cm	r. c. 0	0·0
	Roche's Point	1009·8	53	SSE	3	0	1008·7		53	+1	SE	4	-	0	4	4	55	51	df	dfcm	d. rcm	
	Birr Castle ...	1008·0	58	SSE	4	0	1008·8		55	+4	SSE	2	S	c		1	59	51	0	c. 0	cp. c	0·5
	Donaghadee ...	1012·3	49	S	3	cmr	1009·7	-1	48	+3	SSE	4	-	fr	3	9	50	45	cgm	cgm	cmr fr	
	Liverpool (Bidston)	1015·0	37	SE	3	0	1012·3	-2	61	+8	ESE	4	E	cg	3	2	59	43	bm	0	rc	5·7
	Holyhead ...	1013·3	54	S	4	cpm	1010·9	+1	53	+1	S	4	-	cpm	3	4	59	52	0. c. 0 cm	0. c. cpm	0. c. 0. c. 0	0·5
	Pembroke (St. Ann's)	1013·6	50	SSE	5	f	1012·9	+2	50	+1	SSW	3	S	cm	3	11	51	48	cgg	fr	fd	0·2
	Scilly (St. Mary's)	1012·5	53	SSE	3	fc	1012·3	+3	52		SSE	4	SW	cm d	5	5	54	52	fc	fc	fd cmr	0·0
	Falmouth ...	1013·9	52	SSE	3	f	1013·5	+2	53	+2	SSW	4	-	c	5	8	53	51	cdm	c. of	fc fc	0·0
	Jersey (St. Aubin)	1017·2	59	ESE	3	0	1016·6		55	+1	S	3	-	0	2	4	60	53	bc. b	bc. c. 0	ofc. 0	10·0
	Portland Bill ...	1017·1	51	ESE	3	rc	1015·3	+2	51	+3	SW	3	SW	f	3	3	54	48	b	bc. c	mr f	
	Dungeness ...	1019·1	50	SE	2	b	1018·6	0	51	+5	ESE	3	SE	c	3	-	55	46	a. c. bc	bc. b	bc	
	Dover	1019·7	48	NNE	1	b	1018·8	0	50	+3	SSE	2	-	bc	2	0·1	55	41	0	a. c. bc. b	b. no b	5·0
	Wick	1017·4	45	ESE	4	bc	1016·4	+1	46	+1	SSE	3	-	0	4	Trace	47	41	0	0. bcm	bc. qpd	
	Nairn	1014·3	59	-	0	c	1014·1		48	+2	-	0	-	om	1	4	61	43	b. bc	bc. c	cr	7·8
	Aberdeen ...	1018·6	46	SSE	3	c	1017·5	0	47	+2	SE	3	-	0	2	-	52	44	0	0 c	c. bc. o	1·0
	Leith	1015·9	51	E	3	0	1014·4	-1	49	+5	E	3	-	or		1	53	44	bc	c. 0	0	
	Tynemouth ...	1017·9	47	SE	3	c	1016·5	-1	47	+1	SE	3	SE	c	3	-	52	45	bc	bc	c	
	Spurn Head ...	1016·7	47	E	3	bc	1017·7	0	50	+3	SSE	4	-	c	4	-	52	45	bc	bc	bc	5·2
	Yarmouth ...	1019·1	49	NE	2	b	1019·6	+2	47	-1	SE	2	-	cf	1	-	54	39	bc. b	b	b. f	11·8
	Clacton-on-Sea	1018·8	50	ESE	2	b	1019·8	0	50	+4	SE	2	NE	c	2	-	55	45	bc	bc	bc. c	12·1
	Nottingham ...	1017·4	58	SE	2	bc	1016·4		49	+4	SSE	1	S	r		0·3	62	44	c b	bc	bc. c. 0	9·1
	Bath	1017·0	58	SW	2	0	1015·3		54	+9	S	2	S	r		1	63	44	b bc	bc. c. 0	ofm d	9·3
	Sth Farnborough	1016·8	61	SSW	3	b	1016·7	0	50	+8	SE	3	-	0		0·3	65	42	b	b	bc. 0. c. 0	12·6
	London (Kew Obsy.)	1017·3	61	SE	2	bcg	1017·6	0	51	+6	SSE	2	S	cmr		1	63	45	bc. b. bg	bg. b. bg	bg. c. cmr	13·2
ICELAND, FAEROE, &c.	Spitsbergen ...																					
	Isafjord																					
	Reykjavik ...																					
	Vestmanna ...																					
	Seydisfjord ...																					
	Thorshavn ...																					
NORTHERN EUROPE.	Vardö																					
	Bodö																					
	Christiansund																					
	Skudesnaes ..																					
	Færder (X'iania Fjord)																					
	The Scaw (Skagen)																					
	Blaavands Huk																					
	Haparanda ...																					
	Hernösand ...																					
	Stockholm ...																					
	Wisby																					
	Karlstad																					
	Petrograd (5 a.m. G.M.T.)																					
FRANCE, &c.	The Helder ...	1017·3	50	NE	3	0	1019·3	0	52	+4	SSE	1	-	0	1	-	52	48				
	Brussels																					
	C. Gris Nez ...	1017·6	50	NE	2	b	1016·6	0	52	+5	SSE	3		bc	2	-	54	42				
	La Hève	1018·9	54	NNE	1	b	1017·9		54	+8	SSE	2		0	1	-	59	46				
	Ushant	1013·7	54	SW	6	r	1015·1		55	0	SW	3		0	3	1	55	50				
	Brest (St. Mathieu)	1015·9	56	S	5	r	1016·0	0	55	+1	S	3		m	3	8	59	52				
	Rochefort (Ile d'Aix)	1021·2	59	WNW	2	0	1019·8	+1	58	+2	WSW	1		0		-	68	55				
	Biarritz	1018·9	61	NE	2	b	1019·1	0	59	+3	SE	2		b	2	-	68	52				
	Paris	1019·4	52	N	1	0	1020·3	+2	54	+6	ESE	1	-	0		-	54	48				
	Belfort																					
	Lyons	1020·3	48	NW	2	0	1020·2		50	-1	N	2		0		-	52	48				
	Nice	1012·4	56	-	0	b	1010·4	0	67	+10	-	0		b	2	-	67	56				
	Perpignan ...	1016·3	66	NNW	3	b	1016·8	0	64	+3	NW	3	-	b		-	72	55				
	Sanguinaire ...	1007·9	57	NW	4	c	1009·5		63	+8	SE	3		bc	4	-	?	?				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1019·4	68	SW	4	0	1019·7	0	59	-2	SE	2	SW	0	3	3	70	57				
	Madrid (8 a.m.)	1016·0	75	W	1	b	1018·3	-1	63	+6	-	0	-	b		-	75	50				
	Lisbon (9 a.m.)	1020·4	64	WNW	3	b	1020·6	+1	61	0	WNW	3	-	0	5	-	70	61				
	Gibraltar	1018·3	66	W	2	b	1017·9		58	-2	NW	1		b	2	-	78	57				
	Rome																					
	Malta (8 a.m.) ...																					
	Azores (Horta, 8 a.m.)	1020·0		SW	5	c																
	Madeira (Funchal)	1023·6	66	N	3	0	1023·9	+1	64	0	N	3	-	bc	3	-	68	63				

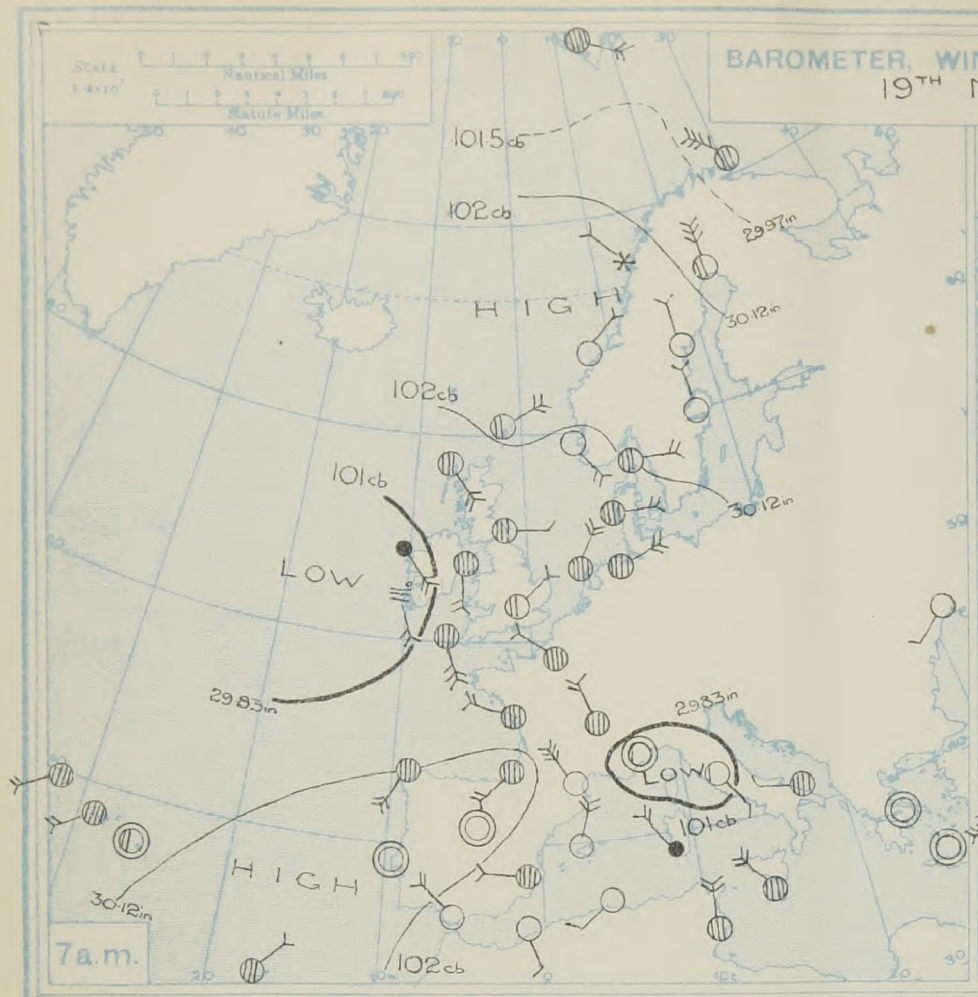
RAINFALL.

Equivalents of Millimetres in Inches.

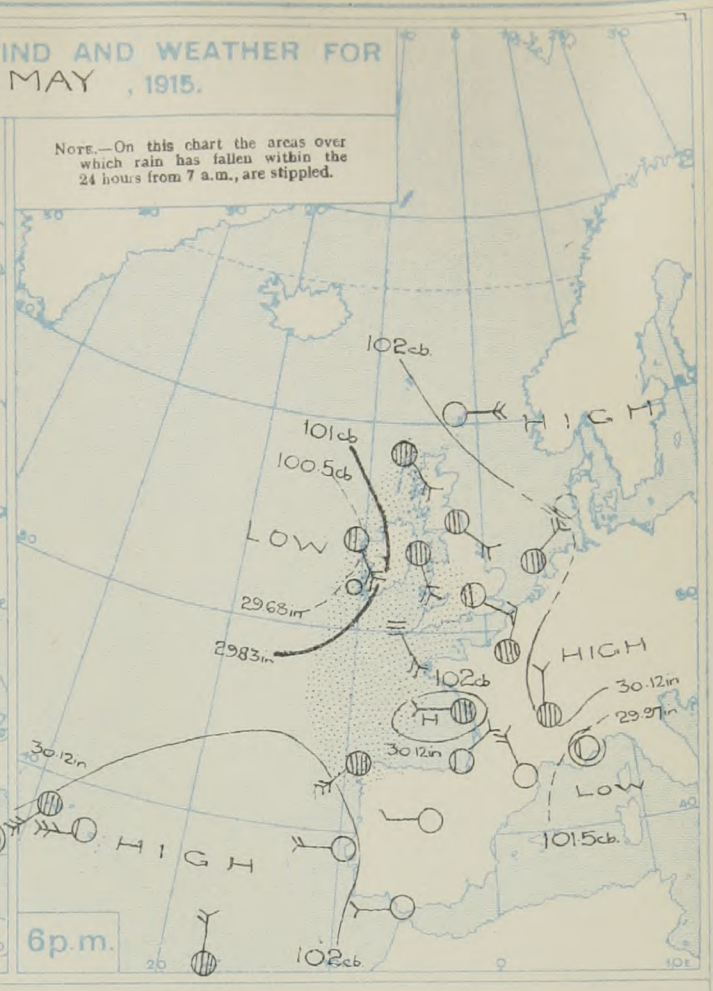
mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69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

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

BAROMETER, WIND AND WEATHER FOR 19TH MAY, 1915.



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



FORECAST FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

FORECAST DISTRICTS.

0 {a b} Moderate or fresh South-Easterly winds; dull, misty, some rain; moderate temperature.

1 2 {a b} Light or moderate South-Easterly winds; cloudy, occasional slight rain; becoming rather warmer.

3 4 {a b} 5 Light winds chiefly from the Southward or South-Eastward; cloudy at first, with occasional slight rain, improving later; becoming rather warmer.

6 {a b} Same as No. 0.

7 {a b} 8 {a b} 9 {a b} 10 {a b} Light or moderate Southerly winds, changeable, some showers, misty in places; moderate temperature.

STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay 11 Moderate Southerly to South-Westerly winds, dull, misty weather, and a rather rough sea in northern part, fine weather and a slight sea further south; moderate temperature.

FURTHER OUTLOOK.

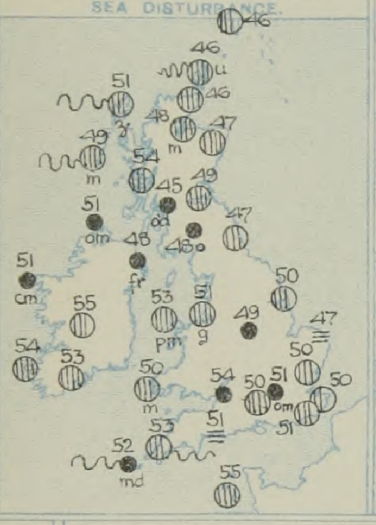
R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., THURSDAY, 20TH MAY, 1915.

GENERAL INFERENCE.

The depression off the west of Ireland has ceased to extend eastwards, but small secondary disturbances are likely to be developed over various parts of the United Kingdom and France, so that a continuance of changeable, showery weather is anticipated.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

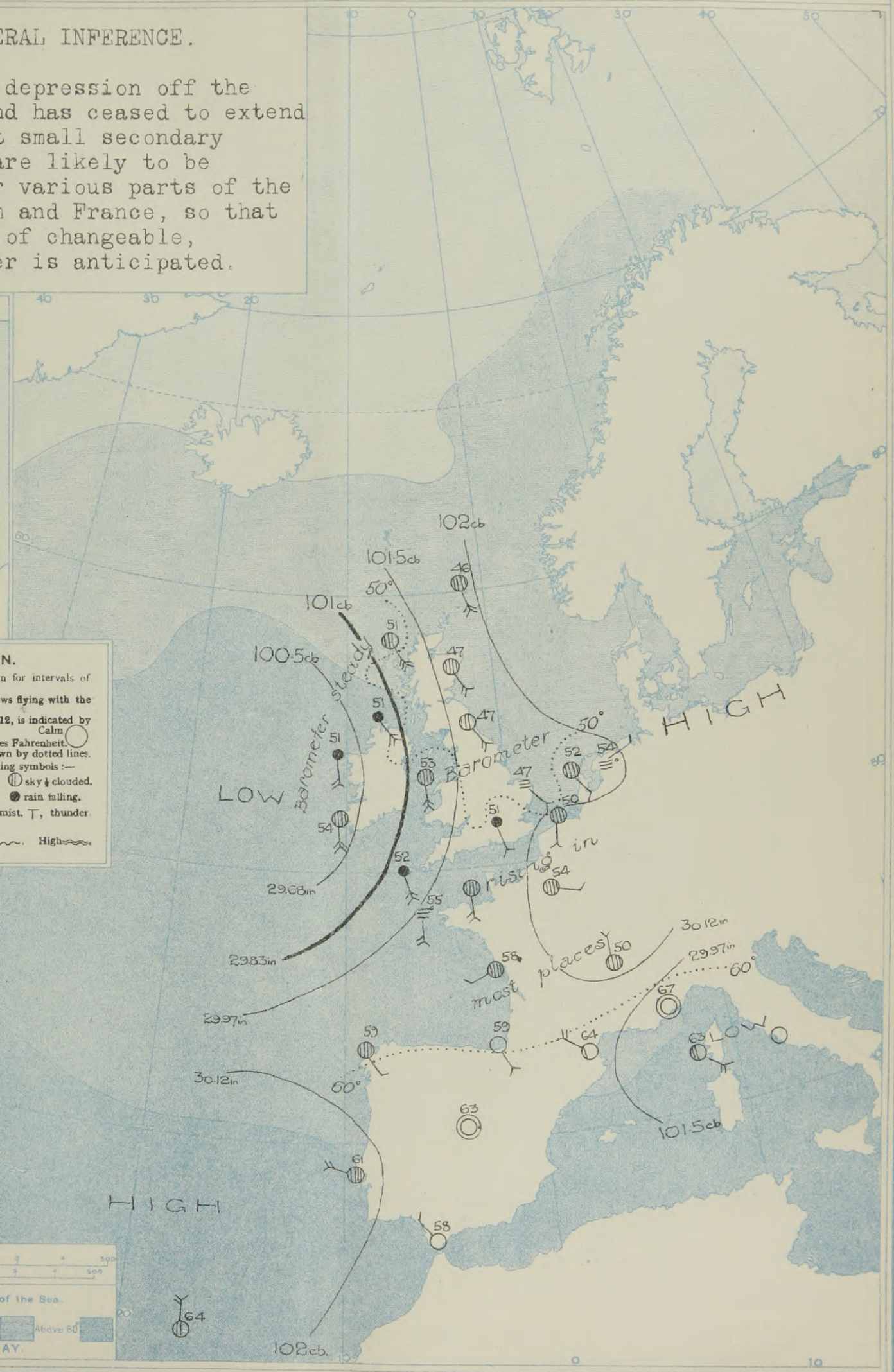
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

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

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊼, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈≈.



Scale 1 : 12 × 10⁶
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea.

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.

DAILY WEATHER REPORT. Thursday 20th May 1915.

REPORTS FOR YESTERDAY.

19th May

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
		°F.						°F.	°F.								
Sanguinaire	1006·0	58	W	8	m	1005·2	‡	55	−8	W	5	‡	R	5	15	?	?
Horta	1019·3	‡	–	0	c	1019·1	+2	63	−1	SW	3	‡	0	3	–	68	59
Madrid	1015·3	64	WNW	2	b	1020·6	+2	57		–	0	–	b	‡	–	66	45

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	57	41			2·5
	Banff	–	47	38	c	bc. c	5·6
	Carnoustie	–	51	42	bc c	b. c. c	3·5
	St. Andrews	–	52	42	‡	‡	3·9
Engl. N.E.	Harrogate	–	58	40	b. b	b. bc. c. c	7·8
	Skegness	–	57	43	c. bc	bc. b	7·7
Engl. N.W.	Morecambe	–	60	40	b	bc c	7·3
	Blackpool	–	60	38	b. b. b	c	6·6
	Southport	–	61	–	b. bc. c	c. c	6·4
Midlands.	Buxton	–	62	34	bc	bc	10·4
	Leamington Spa	–	61	37	b	bc	12·3
	Malvern	–	62	35	b. bc	c. c	7·1
	Ross-on-Wye						
Wales.	Rhyl	0·3	59	41	bc	c. p	4·5
	Colwyn Bay	–	60	41	bc	bc	4·2
	Llandudno	2	63	42	bc	c, r	4·6
	Aberystwyth	1	59	45	c. c b	c. r c	2·0
	Tenby	2	52	46	c	r	0·0
Engl. E.	Cromer	–	58	44	c. bc	bc. b	10·2
	Lowestoft	1	60	45	bc b	b	10·9
	Felixstowe	8	65	43	bc	bc c	10·8
	Walton-on-Naze	2	54	45	bc	bc. b	10·2
	Southend-on-Sea	2	59	43	b	b	12·3

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Tunbridge Wells	–	62	42	b	b	11·5
	Margate	1	52	44	c	bc. b	6·3
	Ramsgate	5	51	42	o. c	bc	5·7
	Hastings	–	57	43	o. bc. b	b	9·3
	Bexhill-on-Sea	–	56	44	bc	c. b	10·7
	Eastbourne	0·2	56	44	o. b	b	9·5
	Seaford	–	60	44	b	b	9·9
	Brighton	–	57	46	c b	b	10·0
	Worthing	–	57	44	b	b	10·3
	Littlehampton	–	54	44	b	bc	11·7
	Bognor	0·3	55	44	b	b	12·7
	Southsea	–	58	42	b	b	12·1
	Bournemouth	–	57	36	b	c. o	10·5
England, S.W.	Weymouth	0·3	56	41	b	b. bc. c	8·4
	Torquay	–	53	43	bc c. o	o	3·1
	Paignton						
	Falmouth	2	53	49	o d m	e. o f	0·0
	Penzance	4	53	51	o r f	o m f	0·0
	Newquay	1	53	48	o. d m	o d m	0·0
	Ilfracombe	–	57	48	c. o	o	2·0
	Weston-super-Mare	–	61	38	bc b	bep. o	4·0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	53	87	13·0	63	42	33	–	b	b	c. o
City (Bunhill Row)	‡	‡	12·8	‡	‡	‡	‡	‡	‡	‡
Westminster (St. James's Pk.)	59	79	12·6	62	49	42	–	b	b	bc o. o m
Camden Sq. (Brit. Rainfall)	53	87	11·5	64	45	42	Trace	b	b	‡
Hampstead (Reservoir)	‡	87	12·8	60	44	30	–	bc	bc	o m d
Richmond Park	‡	‡	13·0							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	51	85	12·5							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1951 Joules	3·45 Milliwatts.	64 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.								
Darwen to 9 p.m.	–	60	34	32	b. c	b. c	b. c. o	6·1
Manchester ,,								
Birmingham ,,								
Oxford to 8 p.m.	‡							
Teignmouth to 9 ,,	–	56	44	39	bc	c. bc	o	2·7
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	0·1	64	43	37	c	b3	b3	

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

20th & 21st May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·51	11·49	7·46
	3·50	11·48	7·48
Greenwich	4·44	11·56	7·48
	4·42	11·56	7·50
Wick	3·38	12·8	8·39
	3·36	12·8	8·41
Valencia	4·43	12·37	8·30
	4·41	12·37	8·32

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 60° and upwards in many parts of England and Wales, and touched 65° at South Farnborough. Over the southern half of England the duration of bright sunshine was very large; at some stations in the London district it amounted to 13 hours or more.

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.

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

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 141. Friday 21st May 1915.

DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING 7 A.M., G.M.T.									PAST 24 HOURS						Sunshine for Yesterday.
		Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	
			°F.						°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1019·2	48	S	5	cm	1019·1	‡0	47	−1	S	3	-	om	3	-	52	45	c	cm	om	
	Deerness ...	1014·5	47	SE	5	cu	1017·9	*	46	0	SSE	3	-	f	3	-	52	45	a.c	c	c. of	3·4
	Stornoway ...	1010·9	54	SE	2	bcg	1015·2	+3	53	+2	S	2	-	c	2	3	55	49	or.	or.bcg	bc.a.c	1·8
	Castlebay (Barra Isd.)	1009·5	51	E	4	r	1014·6	7·3	50	+1	ESE	4	-	om	5	5	53	48	cmr.om	omr.	ro.c.om	2·1
	Glasgow ...	1013·9	56	SSE	1	ozg	1016·9	+3	52	+7	E	1	-	o	*	4	61	45	odg.op	o. cg	cg	2·4
	Eskdalemuir ...	1014·8	56	SSW	3	bc	1016·9	+1	55	+7	SE	1	-	b	*	2	57	41	or.od	or.og.c	bc.op.o	2·3
	Malin Head ...	1008·3	52	SW	2	omr	1012·2	+3	52	+1	S	3	S	bcm	3	12	62	49	bcm	omr.	cm	4·9
	Blacksod Point	1005·3	54	SSE	5	bcm	1010·1	+5	52	+1	SSE	3	S	cp	4	3	58	50	bcm	bcm	bcm.cp	*
	Valencia ...	1006·6	56	SSE	4	c	1009·1	+8	53	−1	SSE	3	-	p	?	5	59	52	o.c	c	op	3·5
	Roche's Point	1010·6	54	S	4	0	1012·8	*	53	0	SSE	3	-	om	4	1	57	52	omrbm	bm.om	omr.b.op	*
	Birr Castle ...	1009·0	58	S	2	c	1013·0	*	55	0	S	2	S	c	*	1	64	50	cp.o	c	c	5·8
	Donaghadee ...	1011·5	52	SSW	4	cgm	1015·1	+2	48	0	S	3	-	f	2	1	58	48	bcm	cgm	omg.cf	*
	Liverpool (Bidston)	1014·3	59	NNW	1	bc	1016·7	+1	56	+5	SE	2	SE	bc	2	-	63	50	o.bc	bc	o.bc	4·3
	Holyhead ...	1013·7	55	SSW	5	opm	1015·7	+2	55	+2	S	3	-	bc	2	4	58	50	op.cp.o	o c.op.o	c3.o.pc	1·1
	Pembroke (St. Ann's)	1014·7	51	SSW	3	0	1015·5	+1	51	+1	S	3	-	om	3	-	54	50	cm	cg	om	0·8
	Scilly (St. Mary's)	1013·0	54	S	4	bcm	1013·5	+1	52	0	SSE	3	-	fc	4	0·1	56	52	om	cm	cm.omf	2·2
	Falmouth ...	1014·9	56	SSW	3	0	1015·1	+1	52	−1	SSE	1	-	0	3	-	60	52	fc.fc	c.bc.o	0	4·1
	Jersey (St. Aubin)	1017·4	64	S	3	c	1016·3	*	56	+1	SW	2	SW	bcm	1	Trace	65	49	op.c	bc	bcm.o	6·4
	Portland Bill ...	1016·9	54	S	1	bc	1016·9	0	52	+1	SSE	3	-	f	3	-	56	49	om.f	of	c.f	*
	Dungeness ...	1018·6	54	SW	2	0	1017·6	0	54	+3	NE	3	E	cg	3	0·2	56	50	bcg.p	o	bc.bcg	*
	Dover	1019·3	56	SSE	2	0	1017·9	0	58	+8	NW	1	-	cg	3	0·1	59	44	bc.o	c.o	c.bc.c	4·9
	Wick	1014·5	46	SE	4	0	1017·7	+2	46	0	SSE	2	-	fc	4	-	50	45	opm	omg	om.bfc	*
	Nairn	1012·7	58	-	0	bcm	1016·3	*	57	+9	-	0	-	bcg	0	0·1	62	47	pc	gc.bc	bcm.o	1·4
	Aberdeen ...	1016·4	48	SE	2	0	1018·4	+2	48	+1	ESE	1	-	om	2	-	51	46	o	op	om	0·1
	Leith	1013·8	60	SW	1	b	1017·4	+2	50	+1	ESE	1	-	o	*	0·14	63	48	op.og	bc.b	b.bc	*
	Tynemouth ...	1014·9	50	ESE	1	cm	1017·3	+1	53	+6	SW	2	SW	cm	3	2	58	47	bcb	bcm	omp	*
	Spurn Head ...	1017·7	54	SSE	3	c	1017·7	0	52	+2	SSE	2	-	f	3	-	58	50	o cm	c	o c	0·0
	Yarmouth ...	1019·5	52	SSE	3	cm	1019·4	0	51	+4	-	0	-	om	0	-	56	46	fbcm	bcm.om	o	8·5
	Clacton-on-Sea	1018·9	53	SE	3	0	1018·4	0	55	+5	N	1	-	om	1	0·1	55	50	c.bc.c	op	om	2·5
	Nottingham ...	1015·5	64	S	2	c	1018·0	*	56	+7	SE	1	S	b	*	0·1	67	46	op	o.c	c.b	3·3
	Bath	1016·3	60	S	3	b	1017·6	*	51	−3	E	1	SE	r	*	Trace	65	46	do.bc	bc.c.ob	b.bcod	6·7
	Sth Farnborough	1017·1	59	SW	3	0	1017·3	0	52	+2	ENE	1	-	om	*	-	60	49	do	o	obc.om	0·0
	London (Kew Obsy.)	1017·7	60	SSE	2	0	1018·0	0	55	+4	-	0	-	om	*	0·2	63	50	omr.	omd. o	obc.om	0·1
ICELAND, FAEROE, &c.	Spitsbergen ...	1020·6	10	SE	3	c	1019·5	−2	16	+7	NNW	7	*	o	*	*	18	−8				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1020·6	28	NW	7	S	1022·6	0	30	0	NW	4	-	S	11	*	30	25				
	Bodö	1027·5	39	W	4	bc	1029·1	+3	39	0	W	4	-	c	2	5	39	36				
	Christiansund	1027·4	54	NNE	2	b	1026·3	0	54	+4	E	2	-	b	2	-	55	46	1	04	26	1·02
	Skudesnaes ..	1024·0	52	SSE	4	b	1024·6	0	54	0	SE	4	-	o	2	-	55	50	2	08	27	1·06
	Færder (X'tania Fjord)	1026·9	55	SW	1	b	1026·3	0	52	0	-	0	-	b	0	-	55	48	3	12	28	1·10
	The Scaw (Skagen)	1026·6	52	NNW	2	b	1027·3	+2	54	+2	SE	1	-	b	1	-	55	46	4	16	29	1·14
	Blaavands Huk	1023·4	59	SE	4	b	1024·0	+1	55	+3	ESE	3	SW	bc	3	-	64	43	5	20	30	1·18
	Haparanda ...	1023·0	50	NW	2	c	1024·8	0	43	+2	NNE	2	NW	c	*	-	54	36	6	24	31	1·22
	Hernösand ...	1026·4	48	S	4	0	1027·5	0	52	+4	N	2	-	b	*	-	54	36	7	28	32	1·26
	Stockholm ...	1027·0	52	S	2	b	1026·7	0	54	+8	S	2	-	b	*	-	54	37	8	32	33	1·30
	Wisby	1027·1	43	NNE	4	b	1027·9	0	46	+5	NNE	4	-	b	*	?	68	?41	9	35	34	1·34
	Karlstad	1028·3	?	-	0	?	?	0	54	+9	?	5	-	r	*	-	61	37	10	39	35	1·38
	Petrograd (5 a.m. G.M.T.)														*				11	43	36	1·42
FRANCE, &c.	The Helder ...	1020·7	52	W	1	b	1019·4	0	52	0	NNE	1	-	0	1	2	55	50	12	47	37	1·46
	Brussels	*	*	*	*	*									*				13	51	38	1·50
	C. Gris Nez ...	1018·7	59	SW	1	0	1017·3	0	55	+3	NE	2	*	0	0	-	63	48	14	55	39	1·54
	Lä Hève	1017·5	63	SE	2	c	1016·8	*	59	+5	ENE	1	*	c	1	-	64	54	15	59	40	1·58
	Ushant							*					*						16	63	41	1·61
	Brest (St. Mathieu)	1017·9	56	S	3	0	1015·9	0	55	0	E	1	*	0	6	-	64	54	17	67	42	1·65
	Rochefort (Ile d'Aix)	1018·7	62	NW	3	c	1018·7	0	61	+3	ENE	2	*	c	*	-	68	55	18	71	43	1·69
	Biarritz	1016·3	61	NE	3	bc	1017·7	0	58	−1	WNW	3	*	0	4	1	70	57	19	75	44	1·73
	Paris	1019·3	63	SE	2	0	1017·0	0	59	+5	ENE	1	-	b	*	-	66	50	20	79	45	1·77
	Belfort	1019·7	54	-	0	m	1017·3	*	52		ENE	4	*	f	*	-	57	51	21	83	46	1·81
	Lyons	1019·4	67	N	1	0	1016·3	*	54	+4	NW	2	*	0	*	-	63	53	22	87	47	1·85
	Nice	1012·4	64	-	0	bc	1013·3	+1	65	−2	-	0	*	b	2	-	72	54	23	91	48	1·89
	Perpignan ...	1014·3	73	W	2	b	1013·2	0	64	0	E	3	-	b	*	-	81	52	24	95	49	1·93
	Sanguinaire ...	?	68	NW	2	b	?		61	−2	E	2	*	b	3	-	?	?	25	98	50	1·97
SOUTHERN EUROPE.	Corunna (7 a.m.)	1018·6	61	N	4	c	1018·1	+3	37	−2	NW	4	-	bc	4	11	63	55				
	Madrid (8 a.m.)	1013·2	77	WSW	2	b	1012·7	+2	61	−2	W	1	-	c	*	?	79	55				
	Lisbon (9 a.m.)	1018·7	66	W	3	b	1017·6	+1	61		NW	4	-	b	6	-	70	59				
	Gibraltar	1015·2	67	SW	8	b	1015·2	*	64	+6	W	3	*	b	3	-	75	58				
	Rome														*							
	Malta (8 a.m.) ...	*	*	*	*	*	1013·0	‡1	64	0	WNW	5	-	c	2	-	68	61				
	Azores (Horta, 8 a.m.)	1024·8	*	E	3	b	1025·6	+2	64	+1	-	0	*	0	2	-	70	61				
	Madeira (Funchal)	1023·6	68	N	3	0	1023·7	+1	63	−1	NE	3	-	0	2	-	68	61				

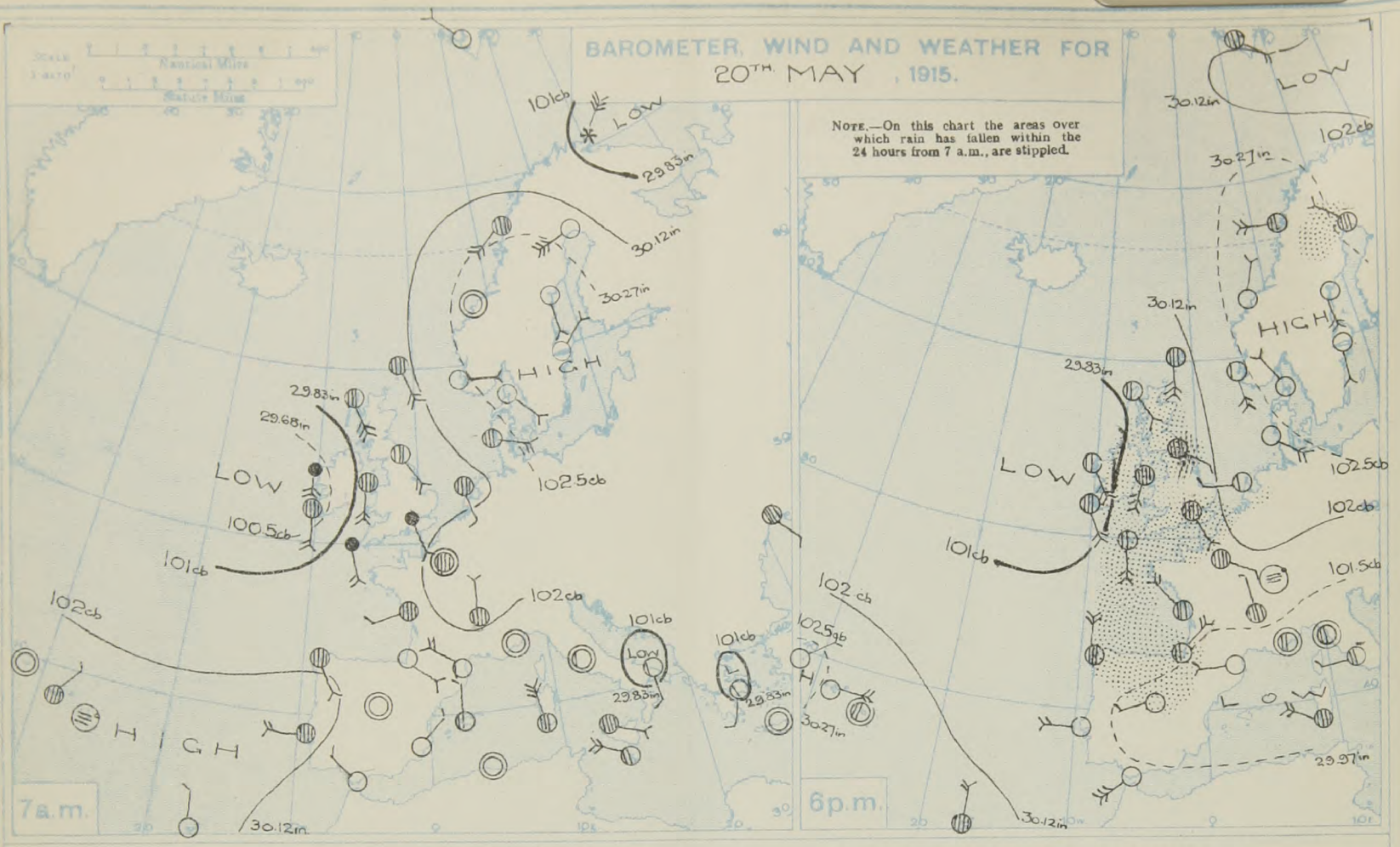
RAINFALL.

Equivalents of Millimetres in Inches.

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

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

BAROMETER, WIND AND WEATHER FOR 20TH MAY, 1915.



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay

0 a, b — Light South-Easterly winds; fine in places, but chiefly cloudy and misty; moderate temperature.

1

2 a, b

3 — Light South-Easterly to variable breezes; fair at first, doubtful later, local thunderstorms not improbable; rather warmer.

4 a, b

5

6 a, b — Same as Nos. 0 to 2.

7 a, b

8 a, b — Light breezes, chiefly Southerly; dull, some mist or fog; moderate temperature.

9 a, b — Light Southerly or South-Easterly winds, mostly fair, but misty or foggy in places; rather warmer.

10 a, b

11 — Light variable breezes, and a slight sea; cloudy, misty, thunderstorms locally.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

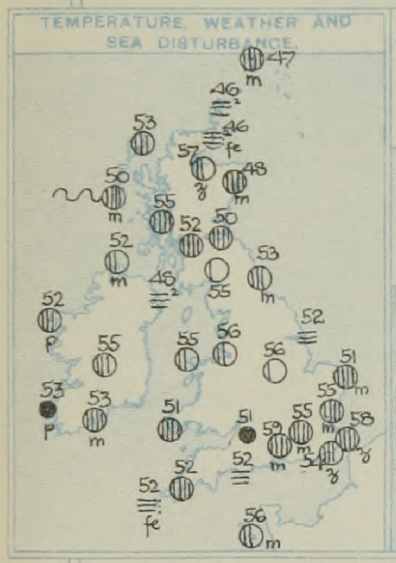
Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., FRIDAY, 21ST MAY, 1915.

GENERAL INFERENCE.

The depression off the Irish coasts will continue to disperse. There are some indications of the development of local thunderstorm disturbances over the Channel and Bay of Biscay.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols:—
◯ clear sky. ◐ sky ½ clouded. ◍ sky ¼ clouded.
◍ sky ¾ clouded. ◍ overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. T, thunder.
Tₛ, thunderstorm.

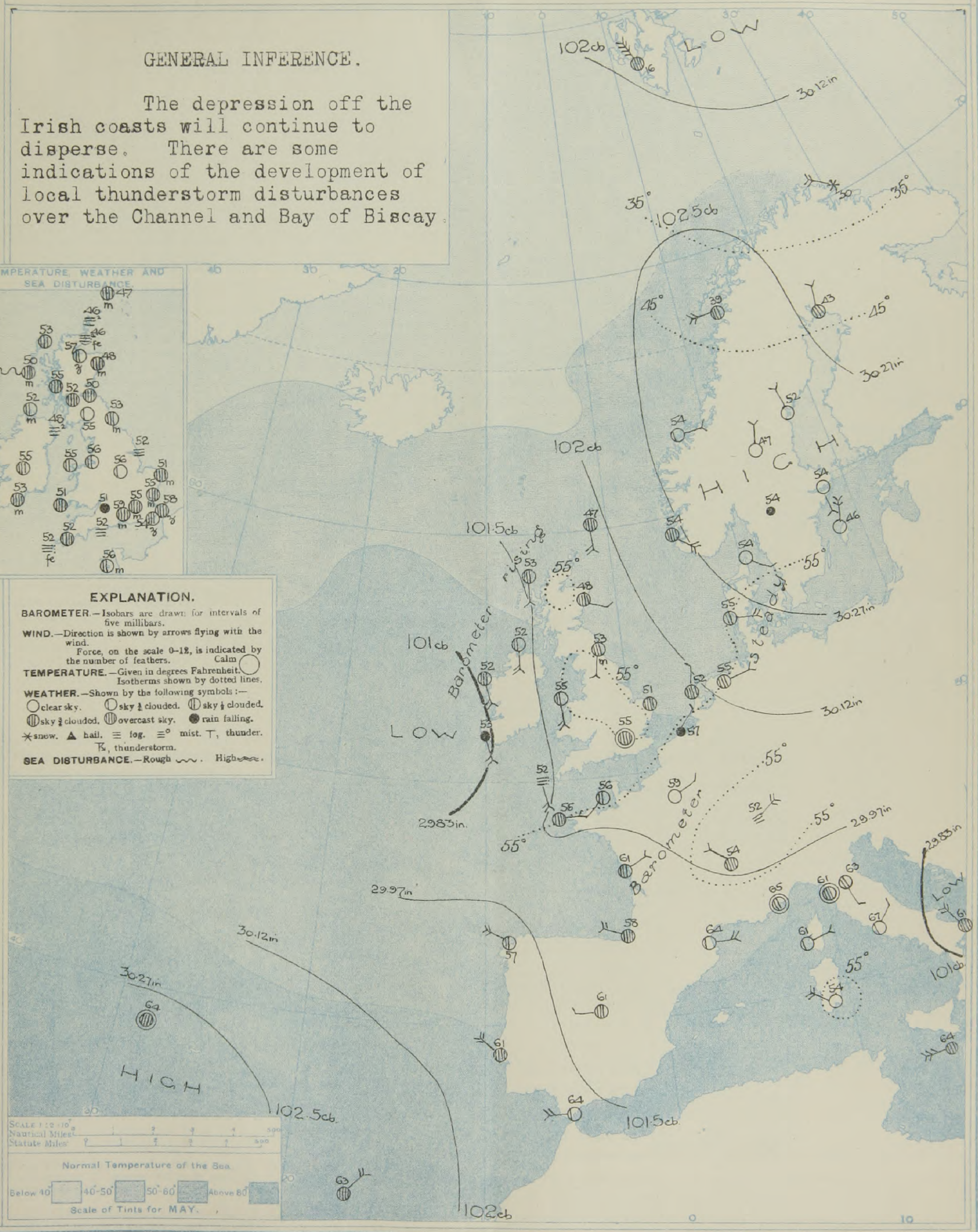
SEA DISTURBANCE.—Rough ~~~. High ≈≈.

Scale 1:20·10⁶
Nautical Miles 0 100 200 300 400 500
Statute Miles 0 100 200 300 400 500

Normal Temperature of the Sea

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.



DAILY WEATHER REPORT. Friday 21st May 1915.

REPORTS FOR YESTERDAY.

20th May

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Vardo	1015·1	50	SW	5	r	1008·7	−1	30	+2	NE	6	-	5	4	-	30	26
Bodo	1025·2	39	SW	2	bc	1024·7	0	39	+3	SW	4	-	0	2	-	48	34
Christiansund	1024·3	46	NE	3	b	1025·9	+1	50	+7	-	0	-	b	3	-	52	43
Skudesnaes	1023·0	52	-	0	b	1024·8	+1	54	+2	E	2	-	b	1	-	59	46
Faerder	1024·6	55	-	0	b	1027·9	+1	52	+6	ESE	1	-	b	0	-	55	45
Blaavands Huk	1020·6	55	ESE	3	c	1023·7	0	52	+2	ESE	3	-	c	3	-	55	43
Malta	*	*	*	*	*	1015·4	0	64	−2	NW	4	-	bc	2	-	68	61
Horca						1022·0	+3	63	0	NE	1	E	0	2	-	62	61
Rome	1012·3	57	S	3	b	1011·5	0	54	−4	-	0	-	b	8	12	59	50
Skagen	1023·3	52	NE	1	bc	1027·1	+2	52	+4	SE	2	-	b	3	-	59	46
Petrograd	1010·4	63	SE	1	0	1016·4	0	55		N	1	-	c	3	1	72	55

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	-	59	48			2·7
	Banff	-	57	43	0	c. bc	1·9
	Carnoustie	1	50	44	od. r	r. d. f	0·5
	St. Andrews	0·3	58	43	*	*	1·0
Eng. N.E.	Harrogate	1	60	42	0	o. c. bc. c. o	1·7
	Skegness	-	63	46	bc. o	c. o	3·3
Eng. N.W.	Morecambe	2	60	50	b	bc. b	3·1
	Blackpool	-	62	48	0	c. bc	5·1
	Southport	3	63	49	o. c. bc	b. bc	4·4
Midlands.	Buxton	1	61	44	bc	bc	3·1
	Leamington Spa	2	67	47	0. bc	bc	7·2
	Malvern	6	65	48	m. bc	bc	8·5
	Ross-on-Wye	2	66	48	bc. m	bc. g	9·5
Wales.	Rhyl	1	66	50	bc	bc. b	6·0
	Colwyn Bay	-	64	50	bc	bc	8·3
	Llandudno	2	67	49	b	bc	7·5
	Aberystwyth	2	60	53	r. o. c	c. bc	3·7
	Tenby	16	57	49	0. bc	0	0·2
England. E.	Cromer	-	66	40	c. bc	bc. o. c	7·1
	Lowestoft	-	57	42	bc. c. bc	bc. c. o. c	7·7
	Felixstowe	-	55	45	bc	0	4·1
	Walton-on-Naze	0·3	53	45	bc. c	c. pc. c	4·3
	Southend-on-Sea	-	60	45	c. o. p. c	cv. c	1·3
England. S.E.	Tunbridge Wells	-	57	43	0	ome	0·0
	Margate	-	62	44	bc. c	o. p. c	3·0
	Ramsgate	-	59	44	bc. d. o	0	5·0
	Hastings	-	54	46	0	0	0·0
	Bexhill-on-Sea	2	54	42	0	0	0·0
	Eastbourne	0·3	54	48	o. c	o. c	0·0
	Seaford	1	55	45	m	m	0·0
	Brighton	1	53	48	o. cr. o	cr. o	0·0
	Worthing	2	54	48	r	0	0·0
	Littlehampton	1	54	49		em	0·0
	Bognor	2	56	49	od	0	0·0
	Southsea	2	58	50	0. c	b	0·9
	Bournemouth	4	60	49	0. c	bc	2·5
England. S.W.	Weymouth	4	61	50	bc. c	c. bg	3·4
	Torquay	7	58	51	o. c	c. o	1·4
	Paignton	8	60	50	c. bc	c	1·3
	Falmouth	6	60	51	fo. f. c	c. bc. o	4·1
	Penzance	5	58	51	r. ec	cg	0·6
	Newquay	4	60	51	om	om. o	0·2
	Ilfracombe	4	63	50	bc	bc. c	8·6
	Weston-super-Mare	1	66	49	b. bc. b	b	10·0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. Today.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-Day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	84	83	0·0	62	51	39	–	cr. o	o. c	c. bc
City (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	86	84	0·0	62	50	47	–	0	0	bc
Camden Sq. (Brit. Rainfall)	80	72	0·0	65	52	48	–	0	0	*
Hampstead (Reservoir)	*	76	0·1	61	50	36	–	od	om	c
Richmond Park	*	*	0·1							
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.
624 Joules	11·0 Milliwatts.	47 Milliwatts.

S. Kensington (Roof of M.O.) 78 | 73 | 0·0

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.	7	62	47	46	o. u. r	or. c	bc. ou	4·2
Manchester ,,	2	66	50	*	o	or. o	o	3·3
Birmingham ,,	1	66	46	45	*	o. c	c	6·1
Oxford to 8 p.m.	*							*
Teignmouth to 9 ,,	10	60	51	49	om. r	c. bc	bc	3·5
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	Trace	60	48	39	c	od. o	o	*

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

21 & 22 May 1915	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5 5·0 / 3 34·9	11 49	7 48
Greenwich	4 2 / 4 1	11 56	7 50 / 7 51
Wick	3 36 / 3 34	12 8	8 41 / 8 43
Valencia	4 41 / 4 40	12 37	8 32 / 8 34

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 65° and upwards at several of the western and central stations in England and Wales, and touched 67° at Nottingham, Leamington Spa and Llandudno. Slight rain fell in various parts of Great Britain, and larger amounts in Ireland.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; 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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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 142. { Saturday, 22nd May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
BRITISH ISLANDS.	Lerwick ...	1022·2	48	S	2	om	1023·3	‡0	46	-1	S	2	-	f	1	3	49	45	omf	omf	omf	Hours.
	Deerness ...	1020·0	48	SE	3	fc	1024·0	*	48	+2	NW	1	-	fm	1	1	49	44	fc	fcg	fcm	0·0
	Stornoway ...	1019·0	57	SSE	2		1023·9	+3	53	0	SSE	2	-	c	2	-	58	42			c.bcg.c	7·9
	Castlebay (Barra Isd.)	1018·8	54	SSE	2	bcm	1024·0	+3	52	+2	ESE	1	-	c	1	-	56	49	o.c.om	o.bcm	fc.bmb	6·4
	Glasgow ...	1018·9	62	W	2	bc	1024·6	+4	47	-5	E	2	S	cne	*	-	66	45	o.cg	o.c.bcg	bcg.bm	6·4
	Eskdalemuir ...	1018·7	61	SW	2	bc	1023·9	+2	55	0	NNW	2	-	o	*	-	65	44	b.bc.cg	c.bc	bc.c.o	8·2
	Malin Head ...	1016·7	59	SSE	4	bcm	1023·3	+3	57	+5	SSW	1	-	bm	1	-	62	50	cm	bcm	bm	9·3
	Blacksod Point	1016·3	58	NNW	1	bfc	1022·8	+4	55	+3	SSW	1	-	bg	2	2	62	49	bcf	bcf	bcf.bg	*
	Valencia ...	1015·3	58	SSW	1	c	1024·3	+8	52	-1	W	1	-	om	3	4	61	40	ch	ch	ch.om	3·7
	Roche's Point	1017·2	53	SSE	3	o	1024·2	*	51	-2	N	1	N	c	2	-	56	45	om	om	om cm	*
	Birr Castle ...	1016·7	62	S	2	bc	1024·1	*	49	-6	SSE	1	-	f	*	-	65	42	c	bc	f	11·4
	Donaghadee ...	1018·5	56	SSE	2	cm	1023·4	+4	48	0	NW	2	NW	bcm	1	0·2	59	47	bcmp	om	bcme	*
	Liverpool (Bidston)	1018·6	58	NW	1	c	1022·2	+3	53	-3	W	2	-	bc	1	-	71	51	b	bc	o.c	10·8
	Holyhead ...	1019·9	55	NW	2	om	1023·1	+2	51	-4	N	3	-	o3	1	1	62	50	o.c.bc	o.c.bc.c	op.c.o	9·0
	Pembroke (St. Ann's)	1018·2	57	-	0	bc	1021·9	+2	51	0	NNE	4	E	cg	4	Trace	58	50	omc	bcm	bc	1·5
	Scilly (St. Mary's)	1016·7	55	S	1	f	1021·1	+3	50	-2	N	4	-	f	4	-	58	49	of	bcf	a.omf	4·1
	Falmouth ...	1017·4	53	SSE	1	o	1020·7	+3	50	-2	NNW	3	-	mc	3	-	58	50	o3.bc	c.bc o3	o.oc.m	2·3
	Jersey (St. Aubin)	1016·1	56	NW	3	og	1017·7	*	53	-3	N	3	-	om	3	0·1	62	52	bc.c.o	o.c.op	op.o	1·6
	Portland Bill ...	1016·6	52	NW	3	f	1017·6	+1	59	+7	NNE	5	-	c	2	-	59	50	f	f.c	fc.bc	*
	Dungeness ...	1015·2	56	NE	3	o3	1017·3	0	57	+3	NE	3	E	c	2	-	61	53	b.c.o3	bcg	bc.o.c	*
	Dover	1016·9	56	N	4	c	1017·2	+2	56	-2	NNW	4	N	o	3	-	65	51	po.c.bc	bc.c	bc.c.o	3·0
	Wick	1019·8	46	SSE	2	f	1023·4	+4	50	+4	-	0	-	m	2	0·1	50	44	fc	fc	fc.om	*
	Nairn	1018·9	53	E	1	m	1024·0	*	51	-6	-	0	-	bc	0	1	61	44	mc	bcm	wgmp	3·7
	Aberdeen ...	1020·5	49	SE	2	bcm	1024·6	+3	49	+1	-	0	-	cm	2	-	51	44	omf.om	m.bcm	cm bcm	0·0
	Leith	1019·2	51	WNW	1	c	1024·6	+2	48	-2	N	1	-	m	*	-	56	47	o	c.o.c	c.bc	*
	Tynemouth ...	1018·4	53	SE	2	bm	1023·9	+3	49	-4	NNW	1	-	oc	3	2	59	48	bcm	bcmc	bcp	*
	Spurn Head ...	1018·9	55	SSE	3	m	1021·8	+1	53	+1	NNE	4	-	c	4	-	62	48	cm	cm	cm	7·0
	Yarmouth ...	1019·5	52	NE	2	bc	1019·4	+2	54	+3	NNE	1	-	om	1	2	57	50	om	omc.bc	oclt	2·7
	Clacton-on-Sea	1017·6	56	NE	2	op	1018·2	+2	56	+1	N	2	-	o	1	0·14	58	53	oc.bcg	bc.c op	op.cl.o	2·7
	Nottingham ...	1018·3	60	ENE	1	o	1021·0	*	56	0	NE	3	NE	c	*	0·2	69	51	bc.c	cpo	o.c	7·3
	Bath	1016·7	66	E	1	c	1019·8	*	59	+8	NE	1	E	o	*	2	69	51	do.c.bc	bc.oc	oco.g	5·8
	Sth Farnborough	1016·6	65	N	1	o	1018·5	+3	57	+5	NNE	4	-	c	*	3	66	52	op.o	oco	oco,bc	1·4
	London (Kew Obsy.)	1017·2	63	NE	3	bc	1019·0	+2	57	+2	NE	3	NE	om	*	-	68	54	om.o.b	c.o.c.bc	bc.om	2·4
ICELAND, FAEROE, &c.	Spitsbergen ...	1020·8	23	NW	6	c	1020·8	0	25	+9	NNE	2	*	b	*	*	25	10				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1023·4	32	WNW	6	s	1023·4	+2	34	+4	NW	6	-	o	4	*	34	25				
	Bodö	1032·0	39	NNE	4	b	1031·1	0	41	+2	ENE	2	-	b	2	-	41	32				
	Christiansund	1027·5	55	-	0	o	1028·0	0	52	-2	-	0	-	o	2	Trace	61	46				
	Skudesnaes ..	1025·7	54	S	2	b	1026·9	+1	55	+1	ESE	2	-	b	2	-	57	48				
	Færder (X'tania Fjord)	1026·6	59	-	0	b	1028·3	0	52	0	NE	1	W	b	1	-	59	50				
	The Scaw (Skagen)	1025·9	54	NNE	2	b	1027·9	+1	53	+1	ESE	1	-	bc	1	-	57	43				
	Blaavands Huk	1023·0	66	SE	2	b	1023·8	0	57	+2	E	3	SW	bc	2	-	68	45				
	Haparanda ...	1029·0	43	WNW	2	bc	1032·6	0	41	-2	E	2	-	b	*	-	48	34				
	Hernösand ...	1027·5	48	S	2	b	1030·7	+1	45	-7	NNE	2	W	bc	*	-	59	39				
	Stockholm ...	1027·1	57	S	2	b	1029·1	0	57	+3	E	2	-	b	*	-	64	43				
	Wisby	1022·4	52	NE	2	b	1029·3	+3	50	+4	NNE	4	-	b	*	-	55	39				
	Karlstad	1026·3	64	-	0	b	1029·3	+1	55	+1	-	0	-	b	*	-	68	39				
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1017·3	57	NE	3	bc	1018·4	+1	57	+5	NE	3	-	c	1	2	59	53				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1013·9	52	NE	5	o	1016·8	+2	54	+1	NE	4	*	o	3	-	61	50				
	La Hève	1014·7	64	NE	2	bc	?1014·9	*	59	0	-	0	*	m	1	-	70	52				
	Ushant	1017·3	55	NE	3	c	1019·1	*	54		NNW	3	*	o	3	-	61	48				
	Brest (St. Mathieu)	1017·7	57	N	1	o	1020·6	+2	54	-1	N	4	*	o	5	-	64	52				
	Rochefort (Ile d'Aix)	?1011·8	60	WNW	3	b	1014·4	+3	57	-4	N	4	*	o	*	7	68	55				
	Biarritz	1014·7	57	WNW	4	b	1017·6	+2	57	-1	WNW	3	*	f	4	16	57	54				
	Paris	1013·5	66	NE	2	o	1015·3	+3	61	+2	NNE	1	-	o	*	-	72	55				
	Belfort							*					*		*							
	Lyons	1011·7	69	NE	1	b	1014·9	*	60	+6	NNE	1	*	bc	*	-	72	52				
	Nice	1012·6	65	-	0	c	1012·3	+1	69	+4	-	0	*	b	1	-	75	55				
	Perpignan ...	1011·9	63	N	1	o	1014·1	0	63	-1	NNW	3	-	o	*	Trace	75	57				
	Sanguinaire ...	?	68	N	2	m	?	*	64	+3	SE	2	*	bc	2	-	?	?				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1020·6	59	NNW	4	c	1023·9	+2	57	0	NNE	5	-	o	4	1	61	55				
	Madrid (8 a.m.)	1010·1	63	W	1	o	1017·2	+3	55	+6	NE	2	-	c	*	1	73	46				
	Lisbon (9 a.m.)	1019·1	63	NNW	5	bc	1019·5	0	59	-2	NNW	4	-	b	6	-	66	55				
	Gibraltar						1015·0	*	59	-5	NW	4	*	b	2	-	73	57				
	Rome	1011·1	66	S	1	bc	1011·8	+1	61	0	SE	1	-	bc	*	-	75	59				
	Malta (8 a.m.) ...	*	*	*	*	*	1013·9	+1	66	+2	W	1	-	b	1	-	70	59				
	Azores (Horta, 8 a.m.)	1025·7	*	S	3	o							*									
	Madeira (Funchal)	1023·6	66	N	2	o	1023·3	+1	59	-4	NE	3	-	bc	2	-	66	59				

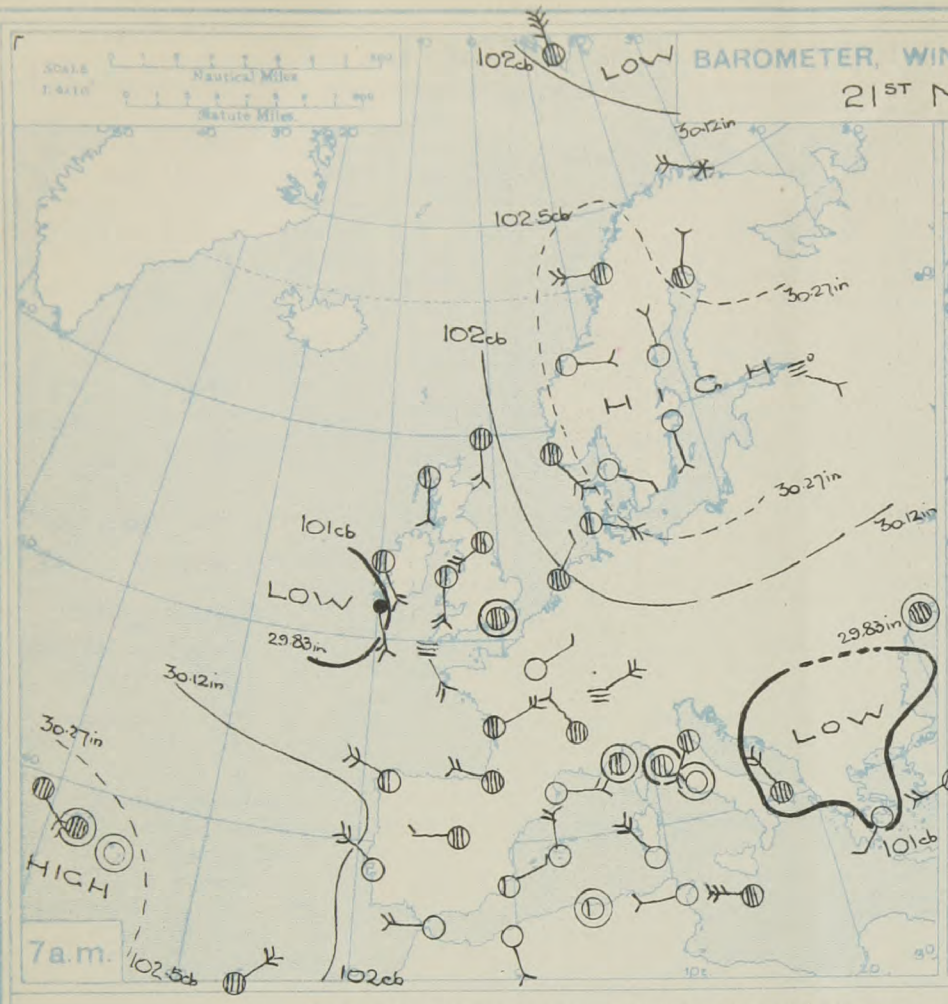
RAINFALL.

Equivalents of Millimetres in Inches.

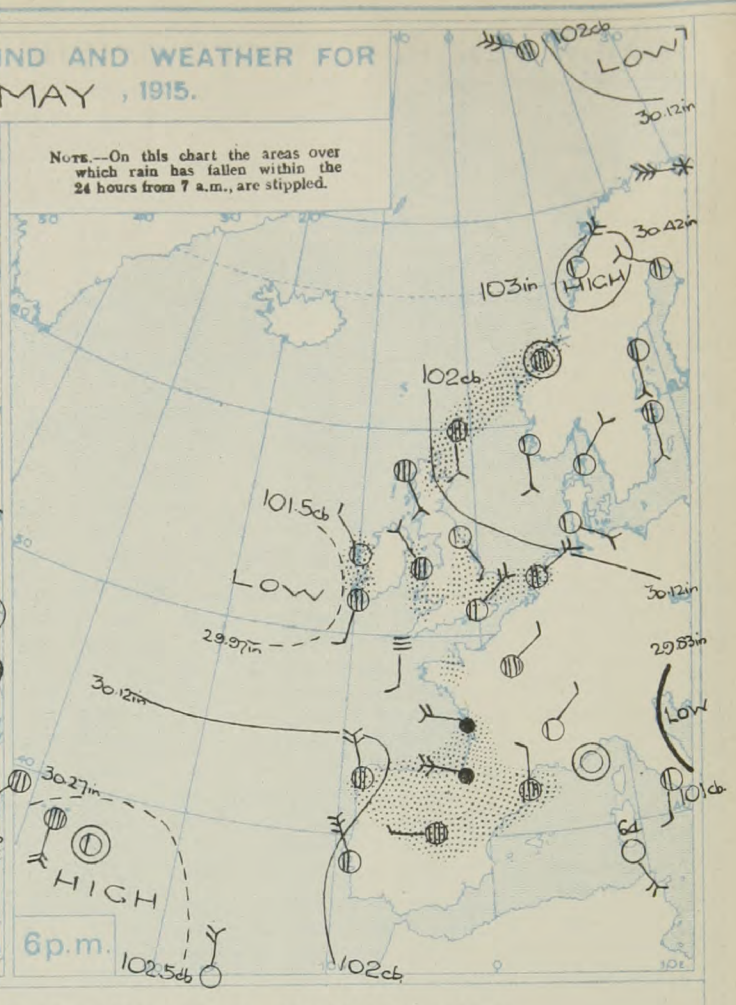
mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
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

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

BAROMETER, WIND AND WEATHER FOR 21ST MAY, 1915.

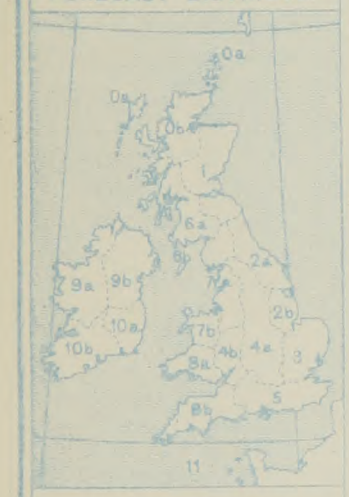


Note.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

0 {a b} 1 — Calms and light variable airs; fine inland, foggy or misty on coast; normal temperature.

2 {a b} 3 — Light or moderate Northerly and North-Easterly winds; fair generally, but misty in places; normal temperature.

4 {a b} 5

6 {a b} — Same as Nos. 0 and 1.

7 {a b} 8 — Same as Nos. 2 to 5.

9 {a b} 10 — Same as Nos. 0 and 1.

Western Channel and Bay 11 — Moderate Northerly winds, and a moderate sea; cloudy generally, misty or foggy in places; normal temperature.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

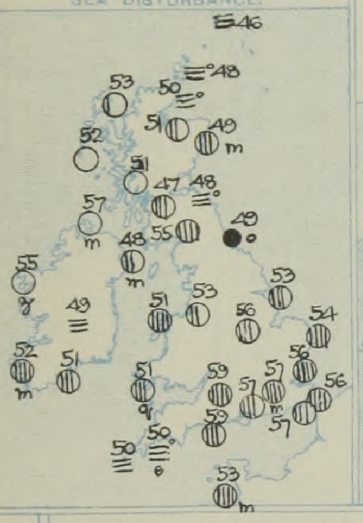
Millibars Inches
1050 31
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., SATURDAY, 22ND MAY, 1915.

GENERAL INFERENCE.

The distribution of pressure is likely to become anticyclonic over western Europe generally.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

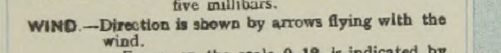
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

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

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◐ sky ½ clouded. ◔ sky ¼ clouded. ◍ sky ¾ clouded. ● overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊼, thunderstorm.

SEA DISTURBANCE.—Rough ~~. . High ≈≈.



Normal Temperature of the Sea.
Below 40° 40°-50° 50°-60° Above 60°
Scale of Tints for MAY.

1025cb
35°
30·27in
103cb
30·42in
HIGH
steady
45°
1021·5cb
Barometer
55°
30·27in
Barometer
55°
30·12in
65°
rising
50
63
54
61
55
29·97in
generally
55°
60
64
63
65°
61
64
57
63
55
59
101·5cb
66
59
102cb

DAILY WEATHER REPORT. Saturday 22nd May 1915.

REPORTS FOR YESTERDAY. 21st May

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Rome	1011·9	63	W	1	bc	1011·7	0	61	+6	NE	1	-	b	*	-	68	57

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	1	61	48			4·2
Scotland.	Banff	-	59	45	g.c.bc3	bc3	6·2
Scotland.	Carnoustie	2	56	43	0g.b	b	4·5
Scotland.	St. Andrews	2	52	41	*	*	1·6
Eng. N.E.	Harrogate	-	67	46	b3	b.b.bc.c	8·0
Eng. N.E.	Skeguess	-	60	53	bc.0	c.0	4·4
Eng. N.W.	Morecambe	-	64	48	bc.b	b	9·0
Eng. N.W.	Blackpool	0·3	64	49	bm.b	bc	10·4
Eng. N.W.	Southport	-	66	48	b.bc	bc.c	9·6
Midlands.	Buxton	-	65	45	b	b	9·2
Midlands.	Leamington Spa	-	66	44	bc.c	bc.c	5·1
Midlands.	Malvern	-	66	47	3.bc	bc3	4·7
Midlands.	Ross-on-Wye	-	66	45	bc.0	bc.c3	4·1
Wales.	Rhyl	1	65	48			7·3
Wales.	Colwyn Bay	-	60	50	c.bc	bc	6·4
Wales.	Llandudno	-	64	49	bc	bc	7·4
Wales.	Aberystwyth	1	59	53	0.c.b	c0r	1·5
Wales.	Tenby	1	64	51	bc0	bc	3·3
England. E.	Cromer	0·3	61	50	0cm	c.b.0.cr	2·9
England. E.	Lowestoft						
England. E.	Felixstowe	-	59	50	0m	bc	3·6
England. E.	Walton-on-Naze	0·3	56	50	cc.bc	bc.cp.c	3·7
England. E.	Southend-on-Sea						
England. S.E.	Tunbridge Wells	8	68	50	0c	c.bc3	4·8
England. S.E.	Margate	1	60	44	c.b	c	2·3
England. S.E.	Ramsgate	0·3	60	50	0	c.0	2·4
England. S.E.	Hastings	1	67	52	0.bc.b	b	9·1
England. S.E.	Bexhill-on-Sea	1	63	44	b	b	10·5
England. S.E.	Eastbourne	4	60	52	bc.b	bc.b	8·0
England. S.E.	Seaford	7	69	51	bc	b	7·5
England. S.E.	Brighton	1	63	52	c.bc.b	bc.b.bc	6·9
England. S.E.	Worthing	-	65	52	0	bc	5·0
England. S.E.	Littlehampton	-	53	50	0.b	bc.0	-
England. S.E.	Bognor	1	63	51	0.bc	b	6·8
England. S.E.	Southsea	-	65	50	0	c.b	4·6
England. S.E.	Bournemouth	2	66	49	f0	0.c.b	4·0
England. S.W.	Weymouth	-	61	50	m0.c	c.bc.cm	1·5
England. S.W.	Torquay	-	56	51	0	0	0·1
England. S.W.	Paignton	1	57	51	0 f	c	0·1
England. S.W.	Falmouth	-	58	52	03.bc	c.bc.03	2·3
England. S.W.	Penzance	1	56	53	0	03	0·0
England. S.W.	Newquay	1	62	52	c.b.b03	b03 03	4·5
England. S.W.	Ilfracombe	-	59	53	bc.c	0	2·0
England. S.W.	Weston-super-Mare	-	70	49	b.bc.b	b.bc.c	7·1

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	64	77	3·7	69	53	46	-	c	c	c.0
City (Bunhill Row)	*	*	2·7	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	68	84	2·5	68	50	52	-	bc	bc	bc.0bc
Camden Sq. (Brit. Rainfall)	61	70	4·9	75	54	51	-	0.bc	bc.c	*
Hampstead (Reservoir)	*	75	6·6	68	50	42	-	bc	bc	c.0.bc
Richmond Park	*	*	3·3							
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.
1471 Joules	25·9 Milliwatts.	71 Milliwatts.

S. Kensington (Roof of M.O.)	60	69	3·6

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	-	62	51	48	c.0	c.b	c	
Darwen to 9 p.m.	2	66	48	45	0.bc	bc	bc	9·2
Manchester ,,	0·3	71	49	*	c.	0p.c	c	7·8
Birmingham ,,	-	66	45	39	*	c	c	4·0
Oxford to 8 p.m.	*							
Teignmouth to 9 ,,	-	56	52	48	bc.f	f 0	0	0·1
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	-	69	53	44	0	0.c	c3.c	*

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

22nd & 23rd May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·49 / 3·48	11·49	7·49 / 7·50
Greenwich	4·1 / 4·0	11·56	7·51 / 7·52
Wick	3·34 / 3·32	12·8	8·43 / 8·45
Valencia	4·40 / 4·39	12·37	8·34 / 8·36

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 65° and upwards in most most parts of England and Wales, and touched 70° at Weston-super-Mare, and 71° at Liverpool. Slight rain fell locally, a thunderstorm occurred at Yarmouth, and lightning at Clacton-on-sea and Brighton.

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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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 143. {Sunday 23rd May. 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Change in 8 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind. Direc.	Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday.
			°F.						°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1027·7	55	W	1	bm	1029·9	+0	43	−3	S	2	–	f	1	–	59	40	f, bm	bm	f	*
	Deerness ...	1027·1	53	E	1	b	1030·3	*	51	+3	S	2	N	b	0	–	61	43	m, be, b	b	b, f, b	10·6
	Stornoway ...	1026·6	59	ENE	2	bcy	1030·6	+3	64	+1	–	0	–	bc	0	–	64	45	b, be	bcy	be, c, bc	11·7
	Castlebay (Barra Isd.)	1026·9	58	S	1	bcm	1030·8	+1	48	−4	W	3	–	of	3	–	59	45	bm	bm, bcm	bc, bm, f	1·4
	Glasgow ...	1025·2	69	W	1	b	1030·8	+4	54	+7	E	2	–	f	–	–	72	46	cm, by	by	b, be, by	11·0
	Eskdalemuir ...	1025·4	63	NE	2	cy	1030·4	+2	57	+2	N	2	–	b	*	–	70	43	o, cy	cy	cy, be, b	5·9
	Malin Head ...	1026·6	60	NNE	1	by	1030·4	+1	49	−8	NW	1	–	fe	1	–	69	47	by	bcy	fe	13·9
	Blacksod Point	1027·5	54	NW	3	bcm	1029·6	0	49	−6	–	0	–	fe	1	Trace	58	47	bcm	bcm	bcm, fe	*
	Valencia ...	1027·1	59	WNW	2	b	1028·2	0	55	+3	–	0	–	b	3	–	61	46	c	be, b	b	10·7
	Roche's Point	1026·4	62	S	1	b	1027·7	*	56	+5	N	2	–	b	1	–	63	50	be	be, b	b	*
	Birr Castle ...	1025·9	68	–	0	b	1028·9	*	49	0	NW	1	–	f	*	–	70	46	c	b	f	10·5
	Donaghadee ...	1025·5	57	N	3	bm	1029·9	+2	50	+2	NNW	3	–	by	3	–	59	48	bm	bm	bm	*
	Liverpool (Bidston)	[illegible]1024·1	58	NW	1	0	1028·1	+1	55	+2	N	1	–	b	1	–	63	51	bm	b	bm	10·9
	Holyhead ...	1024·6	57	NNW	3	by	1028·1	+2	55	+4	ENE	2	–	by	1	–	58	50	o, c, be, b	by	bm	9·8
	Pembroke (St. Ann's)	1023·0	59	N	4	b	1025·6	+1	59	+8	NE	2	–	b	2	–	66	57	cy	b	by	9·7
	Scilly (St. Mary's)	1022·3	56	N	4	bm	1023·1	0	56	+6	NNE	3	–	bm	3	–	58	49	f, bcm	bcm	bm, bcm	7·5
	Falmouth ...	1021·6	63	NW	3	b	1022·5	0	62	+12	N	2	–	b	3	–	67	50	b	b	b	9·1
	Jersey (St. Aubin)	1018·3	65	N	3	om	1020·1	*	58	+5	N	3	–	bm	2	–	66	54	o, be, cm	b, om	c, bm	9·5
	Portland Bill ...	1020·0	68	NE	4	b	1021·3	−1	59	0	NNE	5	–	b	3	–	74	56	be	be	b, be	*
	Dungeness ...	1018·7	63	NNE	3	b	1020·1	+1	57	0	NNE	4	–	b	3	–	68	52	o, c, be, b	b	b	*
	Dover	1018·7	57	N	5	b	1020·4	0	59	+3	N	6	–	b	4	–	66	50	b, be, b	b	b	10·4
	Wick	1027·1	54	ENE	1	m	1030·5	+1	50	0	SSE	2	–	m	1	Trace	57	41	om, cm	bm	bm	*
	Nairn	1025·6	58	ENE	3	bcm	1030·3	*	53	+2	–	0	–	bm	0	–	69	42	by	by	bcm c	13·0
	Aberdeen ...	1026·9	56	SE	1	b	1030·7	+1	57	+8	–	0	–	b	1	–	63	42	cm, bm	b	bmw	8·8
	Leith	1025·7	52	NW	1	b	1031·0	+3	50	+2	NE	1	–	bm	*	–	59	42	oy, c	b	b	*
	Tynemouth ...	1025·0	52	N	2	bcm	1029·9	+3	51	+2	N	2	–	b	3	1	55	47	bcm	bcm	b	*
	Spurn Head ...	1024·1	51	N	5	0	1026·4	0	52	+1	N	6	–	be	4	0·4	58	49	cp	c, o	op	2·5
	Yarmouth ...	1021·8	52	N	2	cm	1024·6	+3	54	0	N	3	–	0	2	–	57	50	om	om, cm	0	4·0
	Clacton-on-Sea	1019·8	65	N	4	by	1021·9	+1	58	+2	NNE	4	NE	be	3	–	64	52	o, c, o	o, be, by	by, be	7·5
	Nottingham ...	1023·2	62	NE	3	b	1026·5	*	57	+1	NE	4	NE	b	*	–	66	52	c, be	be, b	be	7·7
	Bath	1021·1	69	E	1	be	1024·0	*	60	+1	NE	1	N	b	*	–	73	54	o, c, be	be, c	be, b	8·5
	Sth Farnborough	1020·0	66	NNE	3	c	1022·5	+1	57	0	NNE	3	–	b	*	–	68	49	bc, o	o, c	c, be, b	5·4
	London (Kew Obsy.)	1020·5	67	NE	3	0	1023·1	+1	57	0	NE	4	–	b	*	–	67	51	om, c	c, o	o, be, b	5·3
ICELAND, FAEROE, &c.	Spitsbergen ...												*		*	*						
	Isafjord												*		*	*						
	Reykjavik ...												*		*	*						
	Vestmanna ...												*		*	*						
	Seydisfjord ...												*		*	*						
	Thorshavn ...												*		*	*						
NORTHERN EUROPE.	Vardö															*						
	Bodö	1027·7	48	E	1	b	1025·0	0	45	+4	ESE	2	–	T	0	–	48	39				
	Christiansund	1027·7	55	–	0	0	1028·2	+2	50	+2	W	3	–	0	3	1	63	46				
	Skudesnaes ..	1027·3	55	E	2	c	1028·8	0	59	+4	N	3	–	b	1	–	64	46				
	Færder (X'ianiaFjord)	1026·1	55	WSW	2	b	1027·3	0	55	+3	–	0	NW	bc	0	–	57	52				
	The Scaw (Skagen)	1026·9	59	–	0	b	1027·4	0	61	+6	W	2	–	b	1	–	63	43				
	Blaavands Huk	1024·0	68	SSE	3	b	1027·1	+1	61	+4	E	1	W	b	1	–	73	45				
	Haparanda ...	1029·0	54	WSW	2	b	1027·1	−2	45	+4	SW	2	NW	bc	*	–	48	32				
	Hernösand ...	1027·8	43	N	2	c	10257	0	50	+5	N	2	–	c	*	–	52	41				
	Stockholm ...	1027·5	54	SSE	2	be	1026·4	0	59	+2	SSW	2	–	bc	*	–	63	43				
	Wisby	1027·8	52	NNE	2	b	1027·3	0	59	+9	SSE	2	–	b	*	–	61	43				
	Karlstad	1026·3	68	–	0	b	10266	0	55	0	–	0	–	b	*	–	70	41				
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1019·1	61	NE	4	b	1023·1	+2	57	0	NE	4	NE	be	1	–	61	55				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1018·4	53	NE	4	b	1019·8	0	54	0	NNE	5	–	c	5	–	59	50				
	La Hève	1017·0	61	NNW	3	m	1019·1	*	61	+2	ENE	1	*	m	2	–	68	54				
	Ushant	1021·3	52	NNW	4	b	1021·3	*	55	+1	NE	3	*	b	3	–	59	48				
	Brest (St. Mathieu)	1020·6	57	NNW	4	m	1020·7	0	57	+3	NE	3	*	be	2	–	59	52				
	Rochefort (Ile d'Aix)	1016·8	64	W	2	c	1017·2	0	54	0	W	3	*	o	*	3	68	55				
	Biarritz	1019·3	57	WNW	3	0	1018·3	0	54	+3	WNW	2	*	0	2	2	59	54				
	Paris	1016·0	73	NNE	2	b	1016·8	+1	61	0	NNE	2	–	o	*	–	77	57				
	Belfort							*					*		*							
	Lyons	1012·6	70	NW	1	0	1013·7	*	63	+3	NNW	3	*	o	*	–	78	60				
	Nice	1010·9	67	–	0	c	1012·4	+2	61	−8	–	0	*	c	0	16	75	54				
	Perpignan ...	1013·5	63	WNW	3	0	1013·5	0	63	0	NW	4	–	o	*	3	75	55				
	Sanguinaire ...							*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1022·9	59	NNE	5	0	1019·0	−2	57	0	NNE	4	–	o	3	?	61	55				
	Madrid (8 a.m.)	1015·0	61	E	3	c	10158	0	55	0	NE	3	SE	c	*	–	68	48				
	Lisbon (9 a.m.)	1015·8	64	NNW	6	b	?1012·0	0	?61	?+2	N	4	–	b	5	–	66	54				
	Gibraltar							*					*									
	Rome	1013·3	66	SW	1	0	1012·0	+2	61	0	W	1	–	0	*	–	75	61				
	Malta (8 a.m.) ...	*	*	*	*	*	1012·8	+3	66	0	ESE	3	–	o	1	–	70	63				
	Azores (Horta, 8 a.m.)	1021·0	*	S	4	m	1013·3	+2	54	−11	–	0	1·	r	2	23	70	54				
	Madeira (Funchal)	1020·4	64	NE	3	0	1018·6	−2	59	0	NE	3	–	b	2	–	68	57				

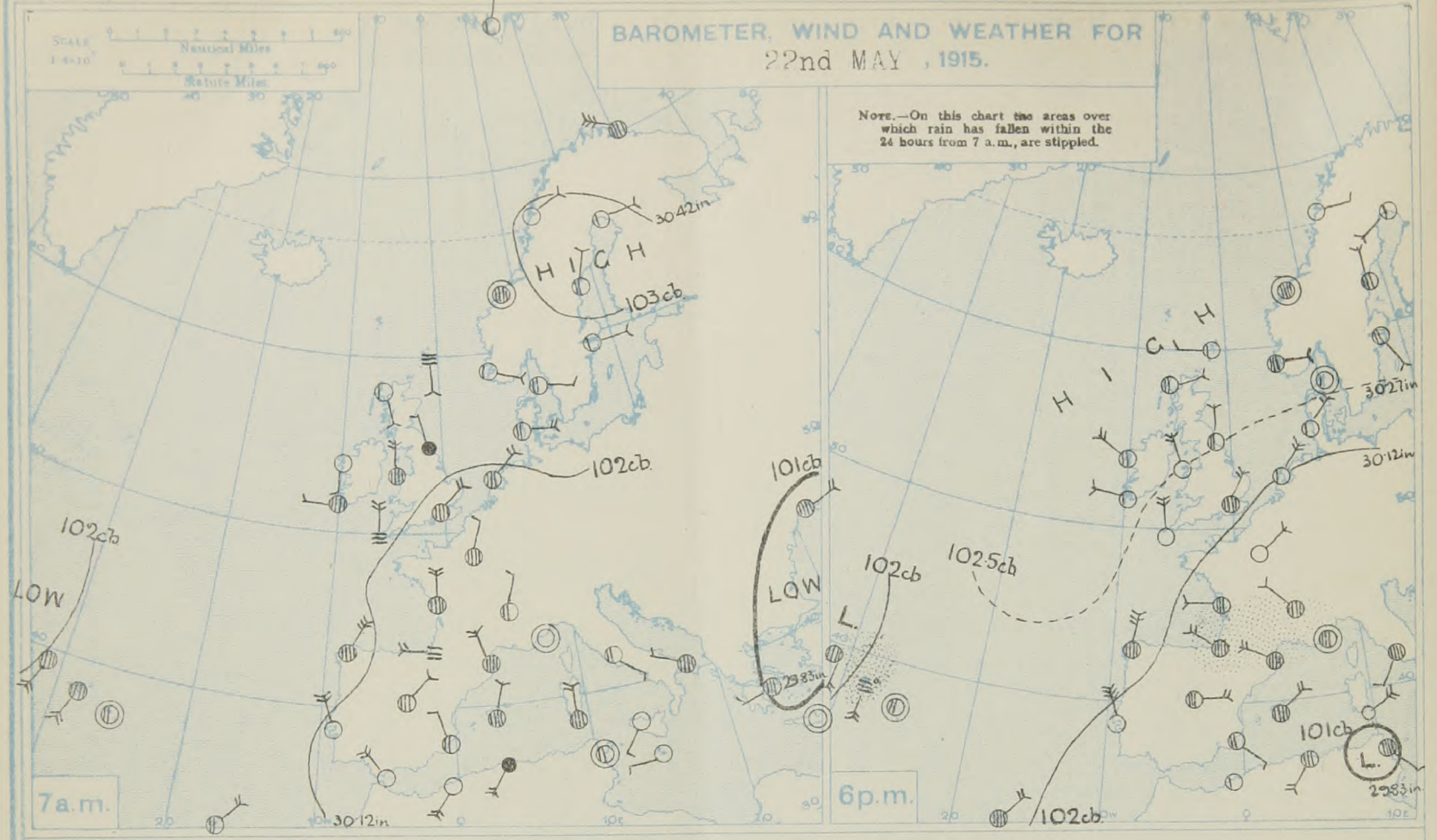
RAINFALL.

Equivalents of Millimetres, in Inches.

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

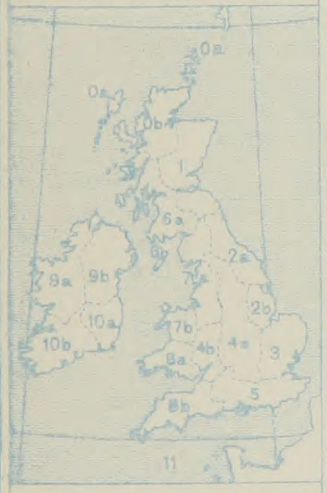
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

BAROMETER, WIND AND WEATHER FOR 22nd MAY, 1915.



FORECASTS FOR THE 24 HOURS NOON SUNDAY TO MONDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued

Western Channel and Bay

0 (a, b), 1 } Calms and light variable airs, fine inland, misty or foggy on coast

2 (a, b), 3, 4 (a, b), 5 } Moderate Northerly and North-Easterly winds Fine generally, warm in day time, cool at night

6 (a, b) } Same as Nos 0 and 1

7 (a, b), 8 (a, b) } Light North-Easterly winds, fine generally, but mist locally on coast Normal temperature

9 (a, b), 10 (a, b) } Calms or light variable airs, fine generally, but mist or fog locally

11 } Light or moderate Northerly winds, and a slight sea Fine generally, but misty in places

FURTHER OUTLOOK.

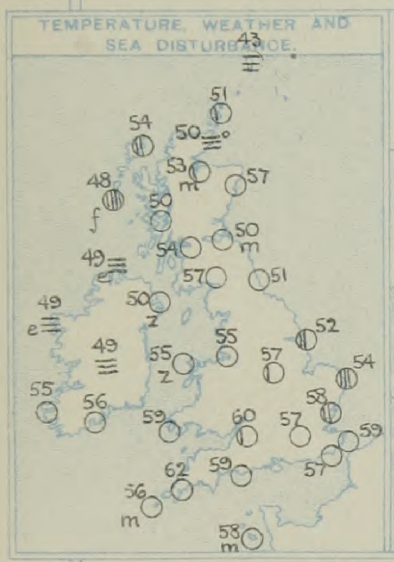
R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., SUNDAY, 23rd MAY, 1915.

GENERAL INFERENCE.

The Anticyclone is likely to maintain its position, and fair weather will therefore continue. Fog will prevail on several parts of our western and northern coasts.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols:—
○ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊤ₛ, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈≈≈.

102·5cb LOW Bar. falling 30·27in. 50° 30·42in. HIGH 50° Barometer 103cb 49 51 rising 55 57 54 60° 30·12in 57 64 most places 2997in 56 58 61 102·5cb. 60° 55 63 57 70 102cb Bar. falling 57 54 60° 61 63 61 60° 101cb. LOW 2983in. 57 64 66 68 71 63 66 70° 66 59 101·5cb 10 0 10

101·5 cb LOW 56 59 63 2997in

SCALE 1:2·40°
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.

DAILY WEATHER REPORT. Sunday, 23rd May, 1915.

REPORTS FOR YESTERDAY.

23rd May 1915

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Horta.	*	*	*	*	*	1022.7	0	65	+1	SSW	4	*	0	2	–	70	64

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	64	42	b	b	13.8
	Banff	–	60	47	b_3	b_3	10.9
	Carnoustie	–	55	45	ogm	b	5.6
	St. Andrews				*	*	
Eng. N.E.	Harrogate	–	69	47	b	bc.c.b	9.6
	Skegness	–	57	50	o.c	bc.o	2.4
Eng. N.W.	Morecambe						
	Blackpool	–	65	52	bm.b	b	10.7
	Southport	–	66	52	b	bc	11.2
Midlands.	Buxton	–	67	46	bc	bc	5.2
	Leamington Spa	1	69	52	bc.c	c.bc	9.6
	Malvern						
	Ross-on-Wye	–	71	51	bc_3	c.bc.b	10.2
Wales.	Rhyl						
	Colwyn Bay						
	Llandudno						
	Aberystwyth	3	60	51	c.bc	c.or	6.5
	Tenby	1	74	52	b	b	9.0
England. E.	Cromer	1	54	48	omr	o.cr	0.0
	Lowestoft						
	Felixstowe	–	67	52	bc	bc	4.7
	Walton-on-Naze	–	65	52	c.bc	bc.b.	5.1
	Southend-on-Sea	–	68	54	b.o.bc	c.bc.c	2.7

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Tunbridge Wells	–	68	54	bc	bc	0.9
	Margate	–	56	50	b	b	8.2
	Ramsgate	–	58	49	o.bc	c	9.2
	Hastings	–	68	54	bc.b	b	9.6
	Bexhill-on-Sea	–	65	43	b	b	10.1
	Eastbourne	–	70	55	b.bc_3	bc_3	4.2
	Seaford	–	71	55	b	b	8.7
	Brighton	–	73	56	c.bc	bc.b.bc	8.2
	Worthing						
	Littlehampton	? 1	71	55	bc	bc	?12.5
	Bognor	–	73	55	bc	bc	7.3
	Southsea						
	Bournemouth	–	74	53	c.b	bc	9.5
England, S.W.	Weymouth	–	71	53	b	b_3	10.0
	Torquay	1	74	54	bc	p.bc.c.o	9.1
	Paignton	0.3	73	51	op.b.bc	bc	7.1
	Falmouth	–	67	50	o.bc.b	b	9.1
	Penzance	–	68	50	c.bc	b	8.5
	Newquay	–	58	49	c_3.b_3	b_3	9.0
	Ilfracombe	2	67	51	bc.b	b.bc.c	9.6
	Weston-super-Mare						

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 hours ended 9 a.m. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	79	69	4.5	69	50	44	–	c	c.o.c	c
City (Bunhill Row)	*	*	4.6	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	80	75	4.4	69	?	49	–	bc.o	bc	b
Camden Sq. (Brit. Rainfall)	65	60	4.9	74	51	48	–	b	bc.o.c	*
Hampstead (Reservoir)	*	67	5.9	66	48	38	–	bc	b	bc
Richmond Park	*	*	4.7							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	71	64	5.0							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1462 Joules	25.6 Milliwatts.	72 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	68	49	47	bcm	bm	bm	*
Darwen to 9 p.m.	–	70	52	49	bcw	bc	bc	6.9
Manchester ,,	–	71	54	*	c	o.c	c	5.2
Birmingham ,,	–	68	52	47	*	c	c.b	8.7
Oxford to 8 p.m.	*	67	52	49	o	o.or.o	o.c.bc	*
Teignmouth to 9 ,,	1	75	56	54	cp.bc	bc.b	bc.bp	8.4
Plymouth ,,	5	74	52	51	bc	bc	bc	9.8
S. Kensington (Museum Grounds to 6 p.m.)	–	70	55	51	c.bc.b	b_3.c	c.o_3.bc	*

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

23rd & 24th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.48 / 3.47	11.49 / 11.50	7.50 / 7.52
Greenwich	4.0 / 3.59	11.56 / 11.57	7.52 / 7.54
Wick	3.32 / 3.30	12.8 / 12.9	8.45 / 8.47
Valencia	4.39 / 4.38	12.37 / 12.38	8.36 / 8.38

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 70° and upwards at several of our western and southern stations, but on the east and northeast coasts of England it did not reach 60°. More than 10 hours of bright sunshine were recorded at several of our northern stations and nearly 14 hours at Malin Head

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

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 144. Monday 24th May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars 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.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday.
			°F					‡	°F	°F							°F	°F				Hours.
BRITISH ISLANDS.	Lerwick ...	1030·4	59	SW	1	bc	1030·6	0	55	+12	–	0	–	bc	0	–	60	42	f.bcm	bcm	c.bc	
	Deerness ...	1030·8	56	S	2	b	1029·8	*	55	+4	S	2	–	b	0	–	60	49	b.bc.c	c.bc.b	b	14·5
	Stornoway ...	1030·6	59	N	2	b	1030·0	-1	51	-3	S	1	–	b	1	–	63	43	bc	bc.b	b	12·0
	Castlebay (Barra Isd.)	1030·5	55	W	3	bm	1029·5	0	52	+4	–	0	–	b	1	–	57	44	of.bf.b	bm	bcu	10·9
	Glasgow ...	1029·5	69	ENE.	3	b	1031·2	0	53	-1	ENE	2	–	b	*	–	74	46	bz	bz	bz	14·5
	Eskdalemuir ...	1029·6	65	NE	4	b	1030·6	0	56	-1	ENE	3	–	b	*	–	71	43	bv.b	bv	b.bc	15·2
	Malin Head ...	1029·6	50	NE	2	f	1029·4	0	52	+3	E	2	–	bm	1	–	52	48	fc	fc	bm	6·8
	Blacksod Point	1028·3	64	N	2	bc	1027·1	-2	58	+9	ENE	2	–	bc	0	–	66	48	bcm	bc	bc	
	Valencia ...	1025·2	70	N	2	b	1024·8	0	65	+10	NE	1	W	b	2	–	71	53	b	bz	bz	14·4
	Roche's Point	1026·8	68	E	2	b	1025·9	*	60	+4	ENE	3	–	b	3	–	71	55	b.bc.b	b	b	*
	Birr Castle ...	1026·8	70	E	2	b	1028·7	*	56	+7	E	1	–	b	*	–	73	48	z	b	b	11·7
	Donaghadee ...	1028·7	59	N	3	bz	1029·4	0	52	+2	NW	2	–	bz	1	–	59	49		bz	bz	*
	Liverpool (Bidston)	1026·5	69	NE	3	b	1028·3	0	56	+1	ENE	4	–	b	3	–	73	52	b	b	b	14·9
	Holyhead ...	1026·9	61	NE	4	bz	1027·8	0	54	-1	E	6	–	bm	5	–	65	52	bz	bz	bm	14·5
	Pembroke (St. Ann's)	1025·3	66	ENE	1	bc	1023·8	0	59	0	E	3	E	c	3	–	72	52	b	cq	bcm	13·1
	Scilly (St. Mary's)	1020·9	60	ENE	3	bm	1019·9	-1	56	0	ENE	4	E	bc	4	–	61	53	bm	bm	bm.bc	13·2
	Falmouth ...	1020·7	71	NE	2	c	1020·7	0	60	-2	NE	3	–	b	4	–	75	56	bc.b	bc.b	b	13·0
	Jersey (St. Aubin)	1017·8	67	NE	5	b	1018·7	*	57	-1	NE	5	–	b	4	–	70	53	b	b	b	14·2
	Portland Bill ...	1020·7	65	NE	4	b	1021·2	0	57	-2	NE	5	–	b	3	–	72	53	b.bc	bc.b	b	*
	Dungeness ...	1020·8	60	NNE	5	b	1021·6	+1	56	-1	NNE	5	–	b	4	–	66	57	b	b	b	*
	Dover	1021·9	56	NNE	6	b	1022·8	+1	57	-2	NNE	5	–	b	4	–	63	50	b	b	b	14·4
	Wick	1031·0	55	SE	1	m	1029·6	-1	52	+2	SSW	1	–	m	1	–	56	45	bm.c	bm	bm	*
	Nairn	1029·9	56	E	3	bc	1029·7	*	59	+6	–	0	–	bm	0	–	69	45	bz	bz	bcmw	14·4
	Aberdeen ...	1031·2	61	SE	2	b	1031·0	0	60	+3	–	0	–	b	1	–	66	45	b	b	bw	16·0
	Leith	1030·4	57	NE	2	b	1030·9	0	53	+3	NE	2	–	bz	*	–	62	44	b	b	b	*
	Tynemouth ...	1030·7	53	N	1	b	1031·1	0	51	0	N	2	–	bm	2	–	55	43	b	b	bm	*
	Spurn Head ...	1028·4	55	N	6	bc	1029·6	0	52	0	ENE	5	–	b	4	–	57	48	bcq	bcq	bcq	13·0
	Yarmouth ...	1026·1	55	NNE	4	b	1026·7	+1	54	0	NE	4	–	b	3	–	59	50	c.bcm	bcm.b	b	11·0
	Clacton-on-Sea	1023·5	61	NE	6	b	1024·2	0	58	0	NE	5	–	b	5	–	67	53	bc.b	b	b	14·0
	Nottingham ...	1027·0	63	NE	4	b	1028·3	*	54	-3	NE	3	–	b	*	–	69	45	b	b	b	13·8
	Bath	1023·0	70	E	4	b	1024·9	*	56	-4	E	4	–	b	*	–	74	47	bq	bq	bq	11·8
	Sth Farnborough	1022·2	69	ENE	4	b	1023·2	0	54	-3	NE	4	–	b	*	–	74	48	bv	b	b	13·6
	London (Kew Obsy.)	1023·3	70	NE	4	bv	1024·5	0	56	-1	NE	4	–	b	*	–	73	51	b.bcq.b	bq.bv	bv.b	14·4
ICELAND, FAEROE, &c.	Spitsbergen ...	1016·8	25	SSE	3	b	1014·7	-2	28		S	2	*	0	*	*	30	12				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1019·7	36	–	0	0	1015·7	-3	39		SSE	4	–	0	2	*	37	28				
	Bodö	1023·3	45	SW	4	r	1018·0	-3	43	-2	SW	6	–	r	4	4	46	41				
	Christiansund	?1020·7	46	–	0	0	1027·0	-1	48	-2	SW	1	–	0	3	5	48	46				
	Skudesnaes ..	1028·4	48	NNW	6	f	1029·5	0	55	-4	WNW	3	–	b	1	–	59	45				
	Færder (X'iania Fjord)	1024·8	57	WSW	2	b	1029·0	0	57	+2	N	2	N	bc	1	–	61	54				
	The Scaw (Skagen)	1025·3	57	WNW	2	bc	1027·0	+3	57	-4	NE	2	NE	bc	2	–	66	45				
	Blaavands Huk	1026·1	55	N	3	bc	1026·9	0	50	-11	N	1	–	f	1	–	63	46				
	Haparanda ...	1021·9	45	WSW	2	b	1017·2	-4	45	0	–	0	–	0	*	–	54	36				
	Hernösand ...	1024·6	54	NW	2	c	1024·0	0	54	+4	–	0	–	bc	*	–	54	46				
	Stockholm ...	1023·4	57	S	2	0	1024·6	0	55	-4	N	2	–	0	*	–	66	50				
	Wisby	1024·4	57	–	0	bc	1025·7	+2	48	-11	N	2	–	b	*	–	63	41				
	Karlstad	1023·4	66	–	0	bc	1027·7	0	55	0	–	0	–	b	*	–	70	48				
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1024·2	59	NE	6	b	1025·9	0	57	0	NE	3	–	b	1	–	59	54				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1020·3	54	NE	5	b	1021·7	+1	55	+1	NE	4	*	b	4	–	59	52				
	La Hève	1017·3	64	ENE	3	m	1016·3	*	63	+2	NE	3	*	b	2	–	68	52				
	Ushant	1018·7	57	ENE	5	b	1016·2	*	54	-1	ENE	5	*	bc	3	–	57	50				
	Brest (St. Mathieu)	?	64	?	4	bc	1017·3	0	57	0	NE	4	*	b	1	–	73	54				
	Rochefort (Ile d'Aix)	1015·0	61	WSW	1	0	1014·0	?	59	+2	S	2	*	m	*	S	64	55				
	Biarritz	1014·9	69	NNE	2	0	1013·0	0	69	+5	–	0	*	b	2	–	64	54				
	Paris	1015·4	70	NE	3	c	1014·9	+2	63	+2	ENE	2	SW	b	*	1	82	55				
	Belfort							*					*		*							
	Lyons	1011·8	72	NNE	1	th	1014·9	*	66	+3	E	1	*	b	*	–	78	57				
	Nice												*									
	Perpignan ...	1013·0	70	NW	2	b	1013·7	+3	66	+3	S	1	–	b	*	1	75	52				
	Sanguinaire ...	*	64	E	1	c	*	*	64		E	2	*	b	3	–	?	?				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1013·7	63	N	6	b	1010·7	+1	59	+2	ESE	3	E	bc	2	–	63	54				
	Madrid (8 a.m.)	1009·0	68	SE	3	bc	1009·5	+2	61	+6	NE	1	SE	bc	*	?	72	52				
	Lisbon (9 a.m.)	1008·0	70	NNW	5	bc	1009·3	+1	61	+2	N	2	–	b	2	–	75	61				
	Gibraltar	1010·5	64	SE	4	c	1009·8	*	64		SE	6	*	0	3	–	64	62				
	Rome	1010·6	63	NE	1	0	1010·6	-1	63	+2	N	1	–	b	*	4	68	59				
	Malta (8 a.m.) ...	*	*	*	*	*	1010·0	0	64	-2	NW	4	–	0	2	–	72	63				
	Azores (Horta, 8 a.m.)	1014·3	*	NNE	4	0	1010·6	+1	55	-11	WSW	3	*	bc	2	14	64	54				
	Madeira (Funchal)	1016·3	64	NE	3	0	1015·5	0	61	+2	N	2	–	0	2	?	66	59				

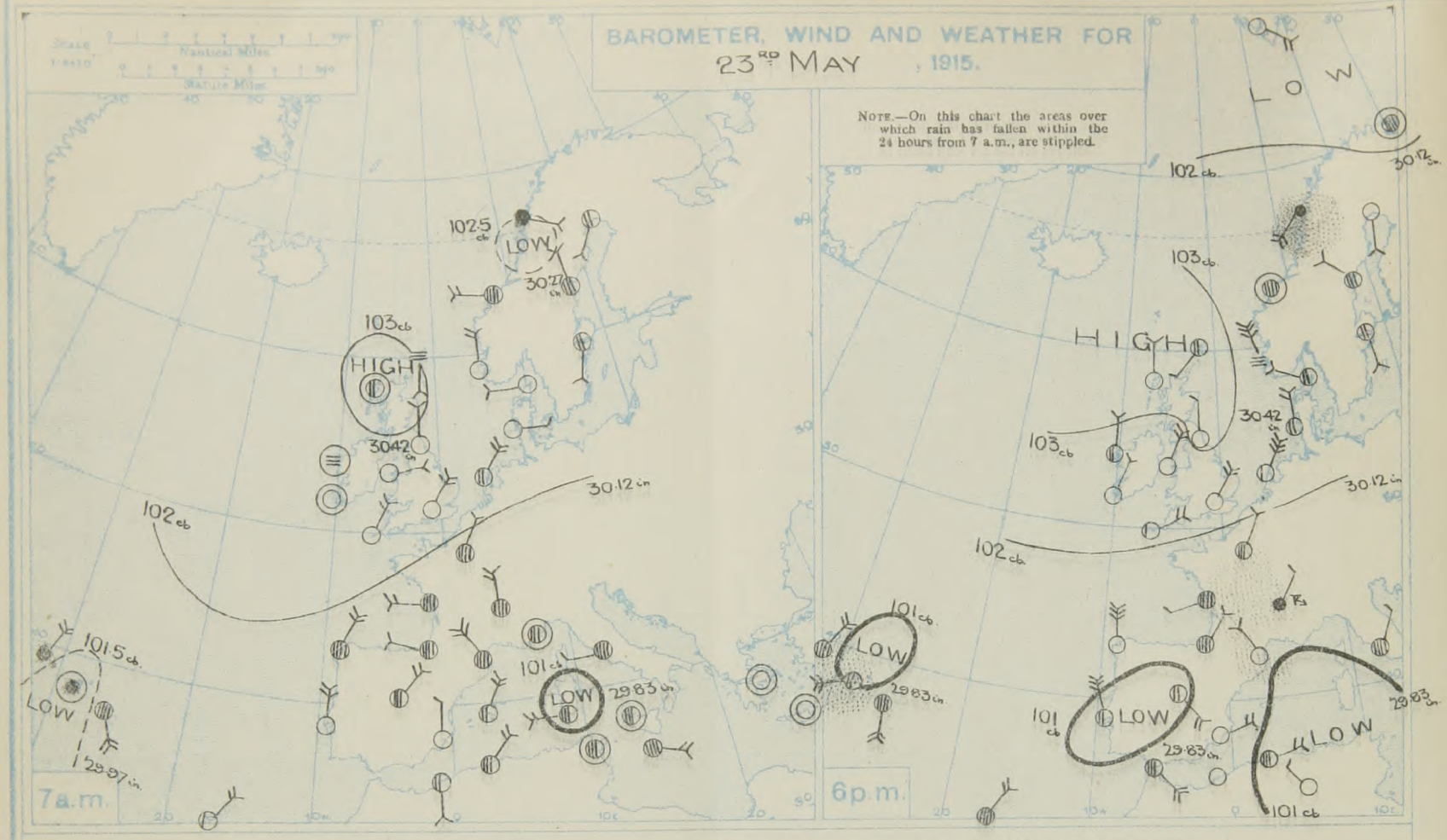
RAINFALL.

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

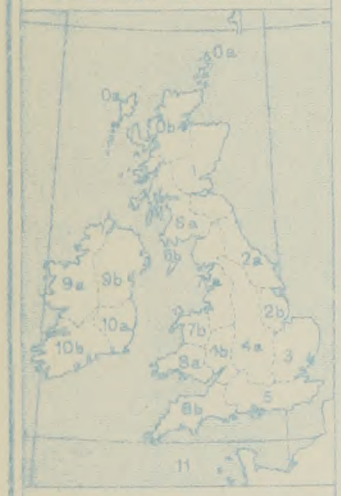
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

BAROMETER, WIND AND WEATHER FOR 23RD MAY, 1915.



FORECAST FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.



0 {a, b} Variable or light Southerly breezes; fine generally, but misty in places; moderate temperature

1 Variable or light Easterly airs; fine warm, misty in places

2 {a, b} Moderate North-Easterly winds; fine generally warm in day-time, cool at night

3 Same as No. 5.

4 {a, b} Same as No. 2

5 Fresh North-Easterly winds; fine generally warm in day-time, cool at night.

6 {a, b} Calms or light Easterly airs; fine generally, but misty in places; moderate temperature

7 {a, b} Moderate or fresh Easterly and North-Easterly winds; fine generally; warm in day-time cool at night

8 {a, b}

9 {a, b} Light Easterly or North-Easterly winds; fine generally misty in places; moderate temperature

10 {a, b}

11 Moderate or fresh Easterly and North-Easterly winds, and a moderate sea. fair generally with a moderate temperature

STORM WARNINGS.

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

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

No Warnings Issued

Western Channel and Bay

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

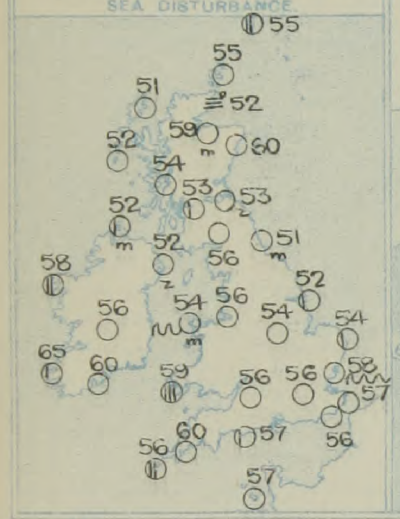
Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., MONDAY, 24TH MAY, 1915.

GENERAL INFERENCE.

There are at present no signs of any material change in the general conditions.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

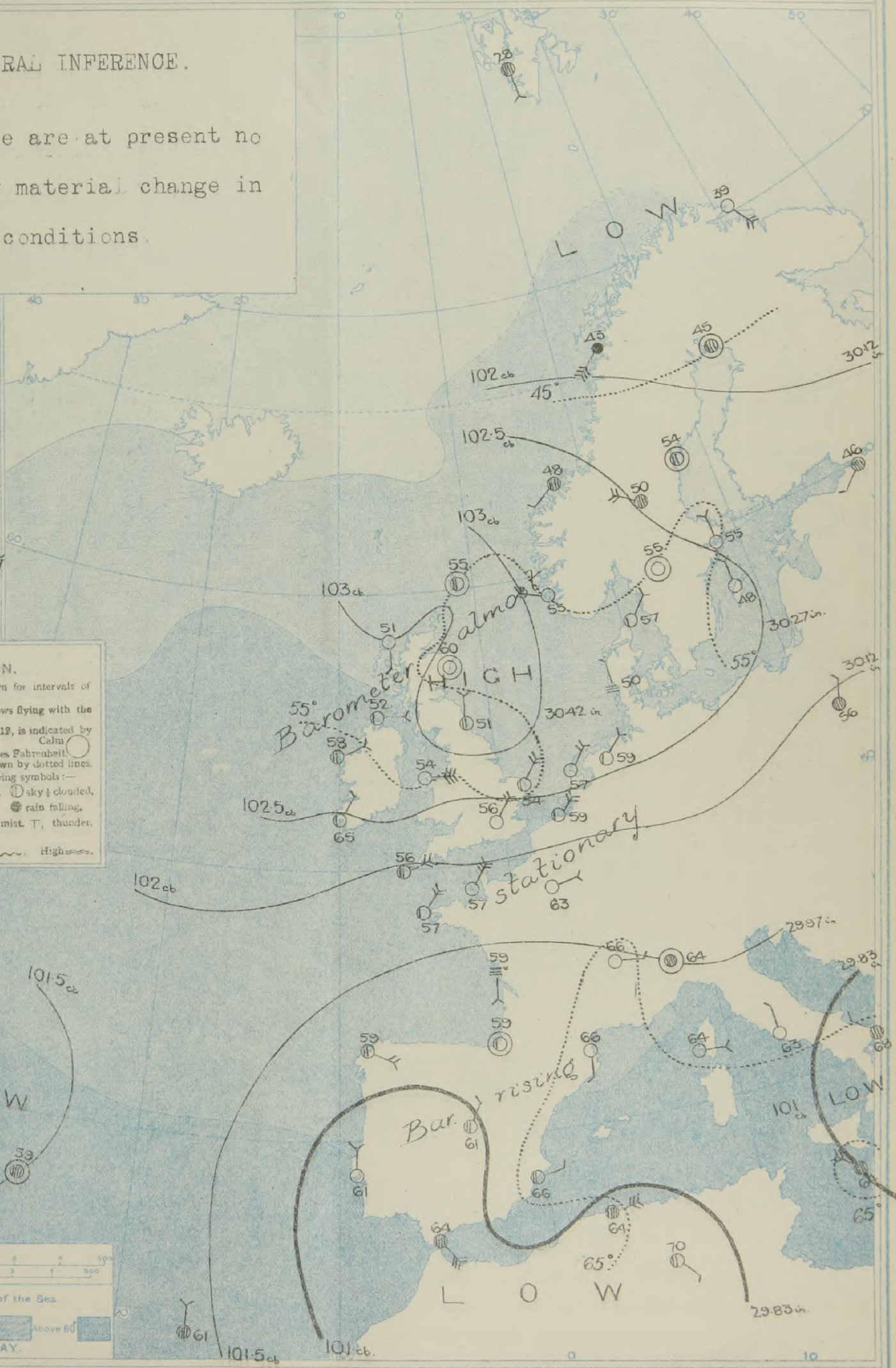
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

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

WEATHER.—Shown by the following symbols:—
◯ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder. ⊼, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈≈≈.



SCALE 1 : 0·10°
Nautical Miles 0 1 2 3 4 5 6 7 8 9 10
Statute Miles 0 1 2 3 4 5 6 7 8 9 10

Normal Temperature of the Sea.

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.

PILOT BALLOON ASCENTS for the PAST WEEK.

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

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.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp to N
		Aberdeen 18th May, 8 a.m.		S. Farnborough 19th May, 7.17 a.m.		Benson. 19th May, 11.45 a.m.		S. Farnborough 19th May, 11.55 a.m.		Eskdalemuir 19th May, 1 p.m.		Eskdalemuir 21st May, 7 a.m.		Eskdalemuir 22nd May, 1 p.m.							
Heights in Kilometres.	8					+11	−1														
	7					+6	+2	+2	−1												
	6			+4	−5	+5	0	+5	−1												
	5			+4	−4	+4	+2	+5	−2												
	4			+2	−3	+2	+2	+2	+1							+1	+2				
	3			+1	−3	+2	0	+1	0							+1	+1				
	2			−3	−4	−1	+2	−1	+2							0	−2				
	1	−1	−3	+1	−3	+2	+2	0	+1	−2	+3	−1	+5	−3	−2						
	05	−0	−3	−3	−4	0	+1	0	0	−2	+1	0	+3	−2	−1						
	0	0	−1	−1	−3	0	0	-	-	−4	+2	−2	+2	−2	0						

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	~	66	43	b	b	14·0
	Banff	~	69	41	b	b	13·3
	Carnoustie	~	60	46	bc	bc	13·2
	St. Andrews				*	*	
Eng., N.E.	Harrogate	~	66	47	b	b	12·8
	Skegness	~	57	49	b	b	12·8
Eng., N.W.	Morecambe						
	Blackpool	~	74	46	b	b	12·5
	Southport	~	74	49	b.bc.b	b	12·9
Midlands.	Buxton	~	70	49	b	b	11·6
	Leamington Spa	~	72	53	bc.c	bc.b	10·0
	Malvern	~	73	53	bz	bz	?10·0
	Ross-on-Wye	~	72	52	bw.c	bc.bq	9·9
Wales.	Rhyl	~	64	45	b	b	14·2
	Colwyn Bay	~	65	46	bc	bc	13·6
	Llandudno	~	65	49	b	b	11·6
	Aberystwyth	~	75	55	c.b	bc.c	13·2
	Tenby						
England, E.	Cromer	~	58	49	b	b	11·3
	Lowestoft	~	56	50	b	b	12·7
	Felixstowe	~	69	51	bc	bv	12·5
	Walton-on-Naze	~	62	51	b	b	12·4
	Southend-on-Sea	~	70	52	bc,b	b	11·0
England, S.E.	Tunbridge Wells	~	70	50	b	b	12·3
	Margate	~	56	50	b	b	11·3
	Ramsgate	~	59	50	b	b	12·3
	Hastings	~	71	53	b	b	13·2
	Bexhill-on-Sea	~	72	53	b	b	13·5
	Eastbourne	~	73	54	b	b	12·8
	Seaford						
	Brighton	~	75	54	b	b.bc.b	12·8
	Worthing	~	74	53	b	b	11·6
	Littlehampton	~	76	57	b	b	?
	Bognor	~	75	54	b	b	12·1
	Southsea	~	77	56	b	b	12·6
	Bournemouth	~	75	52	b	b	13·2
England, S.W.	Weymouth	~	75	55	b	bz	13·0
	Torquay	~	74	51	b	bc.b	12·2
	Paignton						
	Falmouth	~	75	54	bc.b	bc.b	12·1
	Penzance						
	Newquay	~	65	53	bz	bz	12·5
	Ilfracombe	~	69	53	b	b	13·2
	Weston-super-Mare	~	74	53	b.bc.b	b.bc.b	11·0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-Day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	38	55	13·6	74	48	40	~	b	b	b
City (Bunhill Row)	*	*	12·3	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	-		13·7							
Camden Sq. (Brit. Rainfall)	-	46	11·4	79	49	44	~	b	b	*
Hampstead (Reservoir)	*									
Richmond Park	*	*								
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	40	51	14·3							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total. Joules	Average Rate. Milliwatts.	Max. Rate. Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	~	67	53	49	bm	b	b	*
Darwen to 9 p.m.								
Manchester ,,				*				
Birmingham ,,	~	71	52	47	*	b	b	11·5
Oxford to 8 p.m.	*							*
Teignmouth to 9 ,,	~	73	57	55	bc.b	b	b	10·3
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	~	75	52	47	b	b	bq	*

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

24th & 25th May 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.47 / 3.46	11.50 / 11.50	7.52 / 7.54
Greenwich	3.59 / 3.58	11.57 / 11.57	7.58 / 7.56
Wick	3.30 / 3.29	12.9 / 12.9	8.47 / 8.49
Valencia	4.38 / 4.37	12.38 / 12.38	8.38 / 8.39

NOTES ON YESTERDAY'S WEATHER.

Over a large portion of the United Kingdom the thermometer rose to between 70° and 75°, and at Portsmouth it touched 77°. The duration of bright sunshine was very large, more than 14 hours in several places, and about 15 hours at Aberdeen and Eskdalemuir

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

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 145. Tuesday 25th May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1027·1	60	WSW	3	bm	1026·7	−1	50	−5	W	1	–	m	1	–	61	46	bcm	bm	f	*
	Deerness ...	1027·4	61	N	2	b	1026·7	"	48	−7	NNE	2	–	o	1	–	66	46	b	b	bm.o	16·1
	Stornoway ...	10282	57	NE	2	bz	1027·2	0	51	0	NE	3	–	oz	3	–	64	47	b	bz	oz	14·4
	Castlebay (Barra Isd.)	1027·0	63	WNW	3	b	1025·8	0	51	−1	WNW	3	NW	b	3	–	67	48	bm	bm.b	bf.b	14·5
	Glasgow ...	10266	66	ENE	3	b	1024·9	−3	52	−1	ENE	3	–	b	*	–	71	45	bz	b.bc.b	bz	15·2
	Eskdalemuir ...	?	63	NE	4	b	1024·8	−2	55	−1	NE	4	–	b	*	–	70	42	bv.bcv	beg.b	b	15·5
	Malin Head ...	10264	58	E	3	bz	1024·8	−1	55	+3	E	2	–	bm	2	–	60	50	bz	bz	bm	15·0
	Blacksod Point	1025·1	66	N	2	bc	1023·7	−1	55	−3	N	1	–	bm	0	–	72	49	bcm	bz	bz	*
	Valencia ...	10222	71	NE	3	b	1020·7	0	61	−4	NE	1	–	bz	2	–	73	47	bz	bz	bf	15·0
	Roche's Point	1023·5	66	ENE	3	b	1022·2	*	60	0	ENE	2	–	b	2	–	67	54	b	b	b	*
	Birr Castle ...	1023·8	69	E	1	b	1023·2	*	56	0	NE	1	–	b	*	–	72	44	bc	b	b	14·6
	Donaghadee ...	10257	59	NNE	2	bm	1024·1	0	54	+2	–	0	–	bcm	0	–	62	49	bm	bm	bc.bcm	*
	Liverpool (Bidston)	1023·8	66	ENE	3	b	1023·6	0	51	−5	–	0	–	b	0	–	71	50	b	b	bm	14·2
	Holyhead ...	10242	61	NE	5	bz	1021·6	0	60	+6	E	4	–	b	3	–	63	52	bz	bz	bm	14·5
	Pembroke (St. Ann's)	1022·8	63	E	2	bc	1020·2	−1	56	−3	E	3	–	b	3	–	70	50	c	c	bcm	13·9
	Scilly (St. Mary's)	1019·4	61	ENE	3	b	1016·5	−1	57	+1	E	4	–	b	4	–	65	55	c	b	b	14·0
	Falmouth ...	1018·5	67	ENE	2	b	1017·1	0	62	+2	NE	2	E	b	4	–	70	56	b	b	b	14·4
	Jersey (St. Aubin)	1016·8	66	NE	5	b	1016·0	*	59	+2	NE	4	–	b	4	–	68	54	b	b	b	14·2
	Portland Bill ...	10194	60	E	4	b	1017·8	−1	56	−1	NE	5	–	b	3	–	65	54	b	b	b.bc	*
	Dungeness ...	1021·1	58	NNE	5	b	1019·6	0	56	0	NNE	4	–	b	4	–	62	51	b	b	b	*
	Dover	1021·1	53	N	6	b	1020·1	0	62	+5	NNE	3	–	b	2	–	63	48	b	b	b	14·7
	Wick	1027·8	58	ENE	1	b	1026·7	−1	47	−5	NE	2	–	f	1	–	63	47	bm	bm	bcm.f	*
	Nairn	10265	62	E	3	bz	1026·2	*	50	−9	ENE	3	–	m	2	–	69	47	bz	bz	bcm	13·7
	Aberdeen ...	10279	61	SSE	3	b	1026·1	0	60	0	SE	2	–	b	2	–	69	48	b	b	b	14·5
	Leith	1026·3	60	ENE	2	bc	1025·5	−1	49	−4	ESE	1	–	m	*	–	61	44	b.bc	bc	bc.b	*
	Tynemouth ...	10283	56	N	1	b	1026·1	−2	50	−1	N	1	–	om	2	–	58	47	bcm	bcm	om	*
	Spurn Head ...	1027·8	46	ENE	4	f	1026·2	−4	45	−7	NNE	4	–	cf	4	–	55	46	bf	f	f	6·5
	Yarmouth ...	1025·5	48	NNE	4	b	1023·7	0	54	0	N	3	–	bcm	2	–	57	45	b.f	f	bcm	8·9
	Clacton-on-Sea	1022·9	60	NNE	4	b	1021·4	−1	55	−3	NNE	4	–	b	3	–	63	47	b	b	b	15·0
	Nottingham ...	1025·0	62	ENE	4	b	10243	*	49	−5	NE	2	NE	c	*	–	68	45	b	b	bc.o	15·1
	Bath	1021·9	71	E	2	b	1021·9	*	49	−7	NE	3	NE	o	*	–	74	48	b	b	b.om	14·5
	Sth Farnborough	1021·5	67	E	3	b	1020·7	0	50	−4	NNE	4	–	b	*	–	73	45	b	b	b.bc	15·0
	London (Kew Obsy.)	1022·1	68	ENE	4	bv	1021·8	−1	51	−5	NE	3	–	bz	*	–	71	46	b.bv	bv	bv.bz	15·0
ICELAND, FAEROE, &c.	Spitsbergen ...												*		*	*						
	Isafjord												*		*	*	*	*	*	*	*	
	Reykjavik ...												*		*	*	*	*	*	*	*	
	Vestmanna ...												*			*	*	*	*			
	Seydisfjord ...												*		*	*	*	*	*	*	*	
	Thorshavn ...												*		*	*	*	*	*	*	*	
NORTHERN EUROPE.	Vardö															*						
	Bodö																					
	Christiansund																					
	Skudesnaes ..																					
	Færder (X'ianla Fjord)																					
	The Scaw (Skagen)	1025·7	59	WNW	2	b	1024·7	0	59	+2	SSW	1	–	b	1	–	68	50				
	Blaavands Huk																					
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	10240	57	NNE	4	b	1023·8	0	63	+6	E	2	–	b	1	–	63	54				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1020·0	55	NE	5	b	1018·7	0	59	+4	ENE	4	*	b	3	–	59	52				
	La Hève	1017·0	68	NE	3	b	1016·3	*	64	+1	ENE	2	*	b	3	–	79	?				
	Ushant	1014·7	57	ENE	4	o	1014·1	*	55	+1	ENE	4	*	o	3	15	57	52				
	Brest (St. Mathieu)	1016·3	68	NE	3	c	1014·0	0	60	+3	E	3	*	c	1	2	?	?				
	Rochefort (Ile d'Aix)	1012·4	72	NE	1	bc	1011·9	0	64	+5	ESE	3	*	c	*	–	77	57				
	Biarritz	1010·3	72	E	2	c	1011·7	0	66	+7	ESE	1	*	bc	1	1	77	59				
	Paris	1016·3	73	NE	3	b	1016·8	0	66	+3	ENE	1	–	b	*	–	79	52				
	Belfort	1016·6	68	ENE	4	m	1017·5	*	61		ENE	5	*	m	*	–	73	48				
	Lyons	1013·7	72	NNW	1	o	1015·3	*	64	−2	NW	1	*	b	*	–	80	58				
	Nice	1013·2	69	–	0	bc	1013·6	+2	71		–	0	*	b	0	–	79	61				
	Perpignan ...	1012·6	70	NE	2	b	1013·3	+1	68	+2	E	3	–	c	*	–	77	54				
	Sanguinaire ...	?	73	NW	2	b	?	*	68	+4	E	2	*	m	4	–	?	?				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1010·6	66	NW	3	bc	1011·7	+2	61	+2	SSE	1	–	b	1	1	68	55				
	Madrid (8 a.m.)	1009·3	68	SE	2	c	10047	+1	61	0	–	0	–	b	*	–	75	54				
	Lisbon (9 a.m.) †	1009·9	72	SW	4	b	1010·6	+1	63	+2	N	2	–	b	2	–	73	59				
	Gibraltar	1011·8	65	SE	5	c	1010·5	*	64	0	E	5	*	c	2	–	69	62				
	Rome														*							
	Malta (8 a.m.) ...	*	*	*	*	*																
	Azores (Horta, 8 a.m.)		*										*									
	Madeira (Funchal)	1012·8	61	N	2	o	1015·3	0	59	−2	W	2	–	o	2	1	66	57				

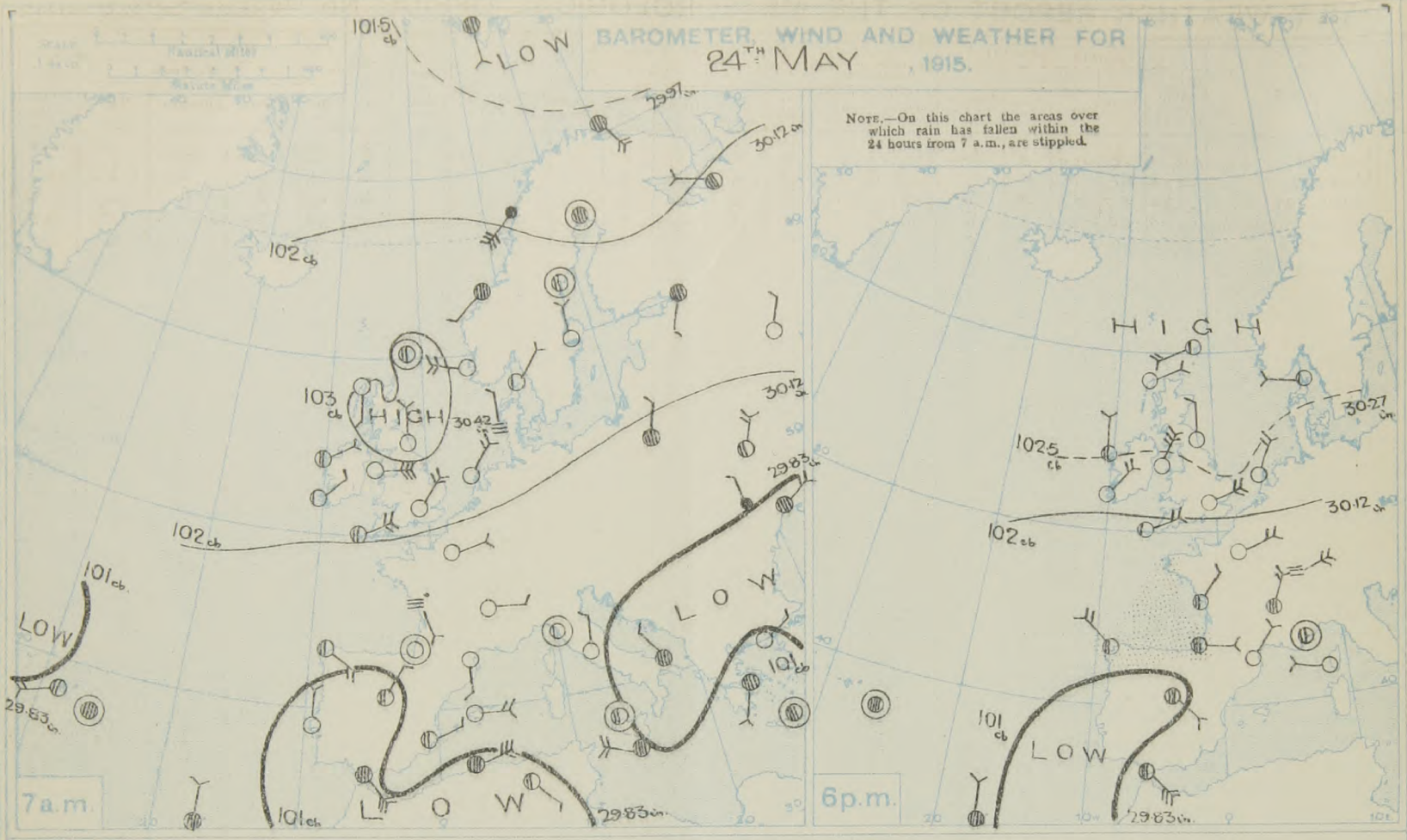
RAINFALL.

Equivalents of Millimetres in Inches.

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

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

BAROMETER, WIND AND WEATHER FOR 24TH MAY, 1915.



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

FORECAST FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.

0 {a b} 1	Light breezes chiefly Easterly; fine in places, but mostly misty; moderate temperature.
2 {a b} 3	Light or moderate Northerly and North-Easterly winds; fine and warm inland, foggy or misty and cool on coast.
4 {a b} 5	Moderate North-Easterly winds; fine generally; fairly high day temperature, cool night.
6 {a b}	Same as Nos. 0 and 1.
7 {a b} 8 {a b}	Light to moderate Easterly and North-Easterly winds; fine generally; fairly high day temperature.
9 {a b} 10 {a b}	Light Easterly and North-Easterly winds; fine generally, but mist locally on coast; moderate temperature.
Western Channel and Bay 11	Light to moderate Easterly and North-Easterly winds, and a moderate or slight sea; fine generally, with a normal temperature.

STORM WARNINGS.

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

Signals hoisted yesterda,	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., TUESDAY, 25TH MAY, 1915.

GENERAL INFERENCE.

The anticyclone will continue to diminish in intensity, but no material change is likely to take place at present in the general distribution of pressure.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols:—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder. ⅞ thunderstorm.

SEA DISTURBANCE.—Rough ~~. High ~~.

SCALE 1:2·10⁷
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 ½ 2 3 4 500

Normal Temperature of the Sea
Below 40° | 40°-50° | 50°-60° | Above 60°
Scale of Tints for MAY.

Barometer changing very little

102·5 cb
102 cb
101·5 cb
101·5 cb
101 cb
100·5 cb
LOW
30·27 in.
30·12 in.
29·97 in.
29·68 in.
29·83 in.
50°
60°
70°

DAILY WEATHER REPORT. Tuesday, 25th May, 1915.

REPORTS FOR YESTERDAY.

24th May, 1915

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
		°F.						°F.	°F.								

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	74	46	b	b	13·2
Scotland.	Banff	–	74	49	bc	b	13·9
Scotland.	Carnoustie	–	60	42	b	b	13·0
Scotland.	St. Andrews	–	64	39	*	*	12·5
Eng., N.E.	Harrogate	–	67	43	b	b	13·0
Eng., N.E.	Skegness	–	57	47	b.bc	bc.o	8·9
Eng., N.W.	Morecambe	–	74	50	b	b	13·4
Eng., N.W.	Blackpool	–	71	43	b	b	13·8
Eng., N.W.	Southport	–	72	46	b	b	13·5
Midlands.	Buxton	–	68	42	b	b	13·4
Midlands.	Leamington Spa	–	70	45	b	b	13·4
Midlands.	Malvern	–	73	46	b	b	13·4
Midlands.	Ross-on-Wye	–	70	44	b	b	13·5
Wales.	Rhyl	–	72	50	b	b	13·2
Wales.	Colwyn Bay	–	65	47	bc	bc	13·0
Wales.	Llandudno						
Wales.	Aberystwyth	–	73	54	c.b	b.bc	13·5
Wales.	Tenby	–	74	55	b	b	12·5
England, E.	Cromer	–	58	46	b	o	7·1
England, E.	Lowestoft						
England, E.	Felixstowe	–	62	52	b	b	13·5
England, E.	Walton-on-Naze	–	56	52	b	b	13·8
England, E.	Southend-on-Sea	–	64	49	b	b	14·2
England, S.E.	Tunbridge Wells	–	68	50	b	b	13·1
England, S.E.	Margate	–	56	50	b	b	12·6
England, S.E.	Ramsgate	–	59	50	b	b	13·0
England, S.E.	Hastings	–	69	51	b	b	13·4
England, S.E.	Bexhill-on-Sea	–	63	43	b	b	11·4
England, S.E.	Eastbourne	–	70	51	b	b	14·3
England, S.E.	Seaford	–	73	53	b	b	13·3
England, S.E.	Brighton	–	74	53	b	b	13·1
England, S.E.	Worthing	–	72	53	b	b	13·5
England, S.E.	Littlehampton	–	?	57	b	b	13·5
England, S.E.	Bognor	–	73	53	b	b	13·2
England, S.E.	Southsea						
England, S.E.	Bournemouth	–	75	49	b	b	13·4
England, S.W.	Weymouth	–	70	52	b	b	13·0
England, S.W.	Torquay	–	73	54	b	b	13·3
England, S.W.	Paignton						
England, S.W.	Falmouth	–	70	55	b	b	13·4
England, S.W.	Penzance	–	71	57	b	b	13·5
England, S.W.	Newquay	–	73	53	bc	bc	13·0
England, S.W.	Ilfracombe	–	69	55	b	b	13·0
England, S.W.	Weston-super-Mare						

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. Today.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	37	73	18·0	72	44	36	–	b	b	b
City (Bunhill Row)	*	*		*	*	*	*	*	*	*
Westminster (St. James's Pk.)	47	76	14·8	73	?	44	–	b	b	b
Camden Sq. (Brit. Rainfall)	33	69	12·4	77	45	42	–	b	b	*
Hampstead (Reservoir)	*	74	14·4	70	42	32	–	b	b	b
Richmond Park	*	*	14·1							
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.
2543 Joules	44·4 Milliwatts.	75 Milliwatts.

S. Kensington (Roof of M.O.)	38	73	14·8

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	64	53	48	b	b	b	*
Darwen to 9 p.m.								
Manchester ,,				*				
Birmingham ,,					*			
Oxford to 8 p.m.	*							*
Teignmouth to 9 ,,	–	67	54	51	b	b	b	12·4
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	–	74	51	43	b	b	bq	*

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

25th & 26th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.46 / 3.45	11.50 / 11.50	7.54 / 7.56
Greenwich	3.58 / 3.57	11.57 / 11.57	7.56 / 7.57
Wick	3.29 / 3.28	12.9 / 12.9	8.49 / 8.51
Valencia	4.37 / 4.36	12.38 / 12.38	8.39 / 8.40

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 70° and upwards in several parts of the United Kingdom, and reached 75° at Bournemouth. On the north-east coast of England, where fog and mist prevailed, it did not reach 60°. The amount of bright sunshine was again very large in nearly all districts

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

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

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 146. Wednesday 26th May 1915.

DATE.	STATIONS	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1027.7	51	ENE	2	bc	1028.3	0	46	-4	NNE	3	-	o	3	†	56	42	bc	op	bc	0
	Deerness ...	1027.1	49	NNE	3	o	1028.1		47	-1	NE	3	-	o	2	-	52	42	om.o	o		0.0
	Stornoway ...	1027.2	52	NNE	6	og	1028.3	+1	50	-1	NE	5	-	beq	4	-	59	46	eq b	bc.c	c.beq	5.7
	Castlebay (Barra Isd.)	1024.7	56	N	5	b	1026.0	+1	50	-1	NNE	5	N	b	5	-	61	47	b	b	b	14.9
	Glasgow ...	1021.0	64	ENE	4	b	1025.1	+2	49	-3	E	4	-	o	*	-	71	48	bbo3	bor	b.og	15.5
	Eskdalemuir ...	1020.1	66	NE	4	b	1023.6	+1	48	-7	NNE	5	-	om	*	-	74	45	b	b	b.bc.c.o	15.2
	Malin Head ...	1023.0	55	N	3	b	1022.6	+1	50	-5	E	2	-	bq	2	-	57	47	bm	bq	bz	14.4
	Blacksod Point	1021.5	59	NNW	5	bc	1020.6	-2	51	-4	NNW	6	N	cm	4	-	65	49	bc	bc	bc.beq	*
	Valencia ...	1017.5	71	NE	3	b	1016.6	0	62	+1	E	4	E	bcz	3	-	72	57	bz	bz	bz.cz	14.6
	Roche's Point	10188	67	E	2	b	1017.5	*	57	-3	NNW	2	E	c	2	-	69	53	b	b	b.bc.c	*
	Birr Castle ...	1019.5	71	E	2	b	1019.7	*	52	-4	N	2	-	b	*	-	73	45	b	b	b	13.4
	Donaghadee ...	10202	59	N	3	bz	1021.7	+2	50	-4	N	3	N	bcm	4	-	61	48	bcm	bcm	bm	*
	Liverpool (Bidston)	1018.5	61	WNW	1	b	1019.5	0	61	+10	ESE	1	-	b	1	-	68	51	b	b	bm	13.5
	Holyhead ...	1019.2	56	NNW	3	bz	1018.3	0	58	-2	E	S	-	bm	4	-	64	52	bm	bz	bm	14.2
	Pembroke (St. Ann's)	1017.2	64	NW	2	c	1015.7	-1	60	+4	NE	2	NE	bc	2	-	65	55	b	bcm	cm	13.7
	Scilly (St. Mary's)	1015.0	64	E	2	cm	1012.7	0	56	-1	ENE	2	E	cm	3	1	65	55	bm	bcm	eq tlp	12.2
	Falmouth ...	1015.0	64	E	3	b	1012.8	-1	60	-2	NE	3	-	o	3	10	69	58	b	b	bc.cbr	12.5
	Jersey (St. Aubin)	10132	69	NE	4	b	1012.1	*	65	+6	E	2	-	b	1	-	71	59	b	b	c.o b.	13.6
	Portland Bill ...	10155	59	ENE	3	bc	1014.3	+1	62	+6	NE	4	-	b	3	-	70	55	bc.c	bc	b.bc	*
	Dungeness ...	10162	59	NNE	5	b	1015.4	0	60	+4	NNE	2	-	bc	2	-	65	49	b	b	b.bc	*
	Dover	10167	63	NE	5	b	1015.3	0	61	-1	N	2	-	b	2	-	69	62	b	b	b	7 14.0
	Wick	1026.8	48	NE	3	m	1028.1	+1	49	+2	N	3	-	bc	3	0.2	51	44	f	f om	op.c.bc	*
	Nairn	10262	51	ENE	3	om	1027.5	*	48	-2	ENE	4	-	ogq	3	1	55	46	b bm	cm	mdq	3.6
	Aberdeen ...	10246	58	NE	2	b	1027.0	+2	49	-11	NE	4	-	o	3	0.4	63	49	b	b	bc.op	14.4
	Leith	1021.2	56	ENE	2	b	1028.8	+3	49	0	ENE	3	NE	opd	*	0.1	57	48	bz.bc.b	b	b.bc	*
	Tynemouth ...	10228	54	N	2	b	1022.8	+2	50	0	NE	4	-	bcm	3	-	56	49	om	b	om	*
	Spurn Head ...	1022.5	50	ENE	4	bc	1020.6	0	53	+8	NE	6	-	bcq	3	-	59	43	cf	bc	b	9.6
	Yarmouth ...	10198	57	NE	2	b	1017.6	0	55	+1	NNE	2	-	b	1	-	60	51	b	b	b	18.0
	Clacton-on-Sea	10180	65	NE	4	b	1016.4	0	57	+2	NNE	2	NE	bc	2	-	65	51	b	b	b.bc	14.8
	Nottingham ...	1019.0	69	E	3	b	1019.3	*	53	+4	NNE	4	SW	b	*	-	72	48	c.b	b	b	12.1
	Bath	10165	72	E	1	bc	1016.5	*	60	+11	E	3	-	b	*	-	74	49	oc bc.b	b bc	b.bc	8.7
	Sth Farnborough	1016.2	72	ENE	4	b	1015.8	0	58	+8	NE	2	-	bw	*	-	75	48	b	b	bw	14.4
	London (Kew Obsy.)	10170	71	E	4	bz	1016.4	0	58	+7	NE	2	SE	bz	*	-	74	51	b	b bz	bz	14.2
ICELAND, FAEROE, &c.	Spitsbergen ...												*		*	*						
	Isafjord												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*		*	*				
	Seydisfjord ...												*		*		*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö															*						
	Bodö																					
	Christiansund																					
	Skudesnaes ..																					
	Færder (X'ianiaFjord)																					
	The Scaw (Skagen)	1020.7	63	WSW	3	b	1017.5	0	57	-2	NNE	3	-	b	3	-	70	52				
	Blaavands Huk	1023.1	61	WNW	1	b	1019.5	-1	55	-6	N	1	-	b	1	-	64	59				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	10198	61	NE	3	b	1017.5	0	63	0	SE	1	-	b	1	-	72	57				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1014.9	63	E	4	b	1015.0	+1	55	-4	NE	4	*	bc	2	-	66	52				
	La Hève	1014.0	77	ENE	1	b	1013.3	*	64	0	E	3	*	m	2	-	81	61				
	Ushant	1012.0	55	E	2	o	1012.0	*	57	+2	E	2	*	b	3	-	57	52				
	Brest (St. Mathieu)	1014.1	66	NE	3	c	1013.2	0	59	-1	NE	1	*	b	1	7	82	57				
	Rochefort (Ile d'Aix)	1010.9	70	WNW	2	b	1011.9	+2	66	+2	-	0	*	c	*	-	88	61				
	Biarritz	1009.7	68	NE	2	c	1012.4	+1	61	-5	SW	2	*	o	2	-	81	59				
	Paris	1013.3	75	ENE	2	b	1013.7	0	66	0	E	1	-	b	*	-	82	52				
	Belfort	1015.0	68	ENE	4	m	1015.9	*	59	-2	ENE	2	*	m	*	-	74	50				
	Lyons	1011.9	74	N	1	o	10144	*	69	+5	S	2	*	b	*	-	81	64				
	Nice	1013.3	64	-	0	o	1016.3	+2	68	-3	-	0	*	b	2	Trace	79	59				
	Perpignan ...	1011.3	68	NE	1	o	1014.6	+2	68	0	-	o	-	bc	*	-	75	57				
	Sanguinaire ...	?	72	W	2	f	?	*	70	+2	NW	2	*	m	2	-	?	?				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1013.9	63	N	4	c	1013.3	+2	57	-4	NNE	1	-	f	2	-	64	55				
	Madrid (8 a.m.)	1008.3	75	E	2	c	1013.0	+3	61	0	ENE	1	-	r	*	4	77	57				
	Lisbon (9 a.m.)	1009.7	70	WNW	3	b	1011.4	+2	63	0	N	2	-	o	2	-	73	61				
	Gibraltar	1012.2	61	SW	4	r	1012.8	*	60	-4	W	3	*	b	2	13	66	58				
	Rome	1013.3	64	NE	1	bc	1014.1	+1	61	-3	N	1	-	b	*	Trace	81	57				
	Malta (8 a.m.) ...	*	*	*	*	*	1014.7	+2	68	0	N	1		b	0	-	72	63				
	Azores (Horta, 8 a.m.)	1012.7	*	NNE	4	c	1014.6	+1	63	+3	NNE	2	*	c	2	-	68	60				
	Madeira (Funchal)	1011.4	64	S	2	bc	1013.0	0	59	0	N	2	-	c	2	.11	66	59				

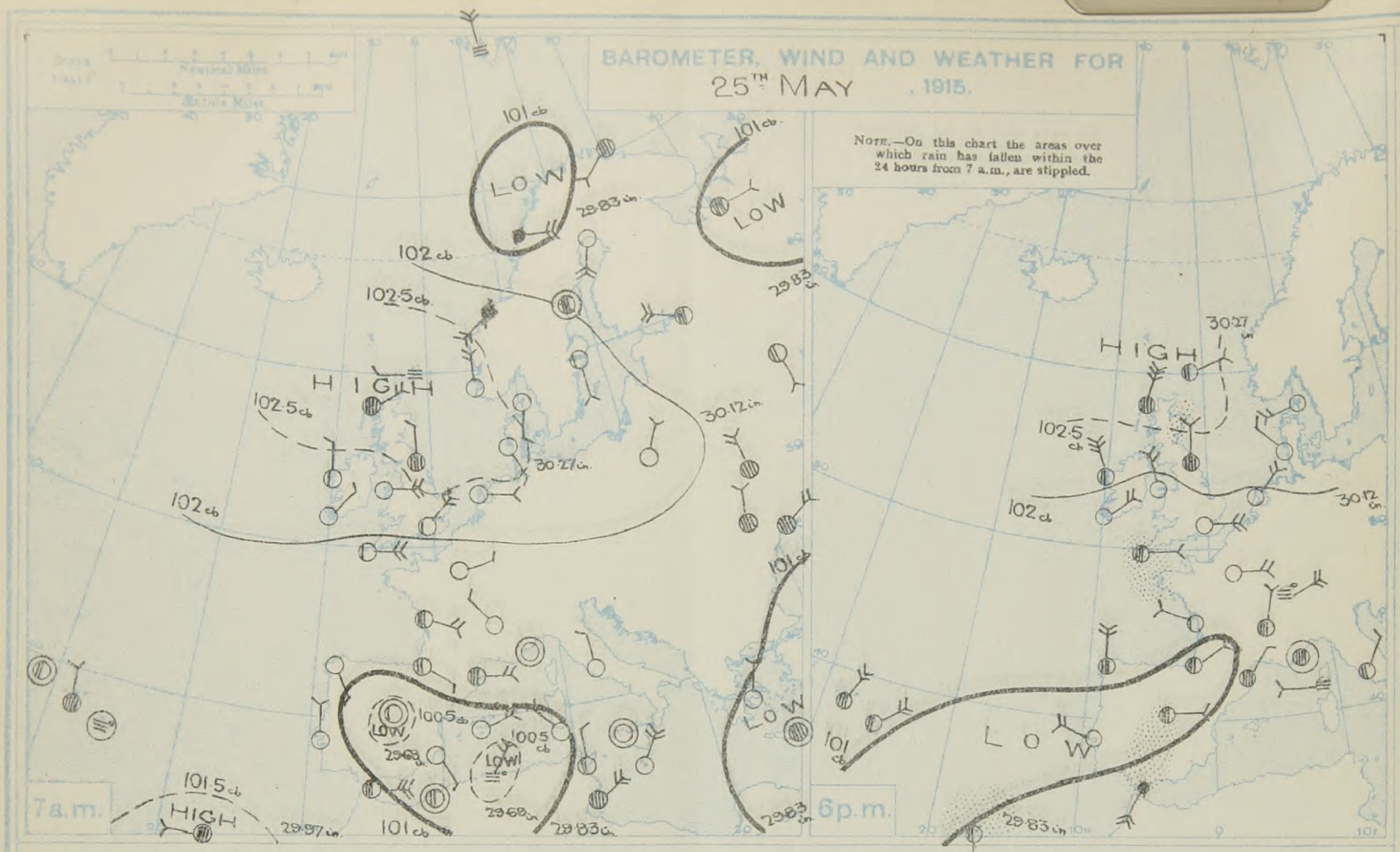
RAINFALL.

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

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

BAROMETER, WIND AND WEATHER FOR 25TH MAY, 1915.



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.

0	a, b	Light to moderate Easterly and North-Easterly winds; mostly fair, but cloudy and misty in places; moderate temperature.
1		
2	a, b	Moderate North-Easterly winds; fair generally, but misty in places; warm inland, cool on coast.
3		Light to moderate Easterly and North-Easterly winds; fine generally, but hazy in places; temperature above the normal.
4	a, b	
5		
6	a, b	
7	a, b	
8	a, b	
9	a, b	Light or moderate winds from between North and East; fine generally, but misty in places; moderate temperature.
10	a, b	
11		Calms and light variable airs, with a slight sea; fine generally, but misty or foggy in places; warm.

STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

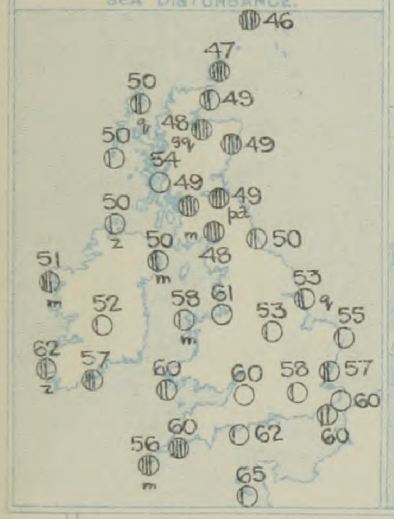
Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 26TH MAY, 1915.

GENERAL INFERENCE.

There are no indications of any material change in the distribution of pressure, but the gradient over southern England is likely to decrease.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols :—
○ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder.
⊤ₛ, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈≈≈.

SCALE 1 : 2 x 10⁶
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea.
Below 40° | 40°-50° | 50°-60° | Above 60°
Scale of Tints for MAY.

H 50°1 G H almost stationary

Barometer

102·5 cb

102 cb

60°

L O W

Barometer slightly rising

101·5 cb

30·12 in.

30·27 in.

29·97 in.

29·91 in.

Inches
31
30
29

DAILY WEATHER REPORT. Wednesday, 26th May 1915.

REPORTS FOR YESTERDAY.

25th May 1915

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Spitsbergen	1014·0	27	S	2	o	1011·1	0	23	-5	N	4	*	m	*	*	28	21
Vardö	1013·9	37	SE	2	b	1012·8	-3	39	0	SW	2	–	o	3	*	41	32
Bodö	1018·7	41	SW	5	o	1009·9	?	43	0	E	4	–	r	2	2	43	41
Christiansund	1022·6	48	W	5	o	1022·7	+1	46	-2	SW	4	–	r	4	1	50	46
Skudesnaes	1027·9	59	N	3	b	1025·3	0	63	+8	N	3	–	b	1	–	64	50
Förder	1024·6	57	SW	2	b	1023·9	-1	57	0	SSW	2	–	bc	1	–	61	54
Blaavands Huk	1025·6	59	N	1	b	1026·0	0	61	+11	SE	1	–	b	1	–	63	46
Haparanda	1012·0	52	SW	2	c	1013·7	0	46	+1	SSW	4	–	b	*	2	67	39
Hernösand	1020·4	57	W	4	c	1020·0	0	62	-2	–	0	–	c	*	Trace	69	48
Stockholm	1022·0	61	SW	2	bc	1021·7	0	64	+9	S	2	–	b	*	–	64	60
Visby	1024·8	48	–	0	b	1024·8	0	54	+6	SW	2	–	b	*	–	57	46
Karlstad	1023·8	63	SW	2	b	1025·4	0	61	+6	SW	2	–	b	*	–	68	46
Rome	1011·4	68	S	1	b	1012·6	0	64	+1	N	1	–	b	*	–	79	59
Malta	*	*	*	*	*	1011·8	+1	68	+4	NNE	4	–	b	o	–	72	63
Herta	–	–	–	–	–	1012·0	+2	60	+5	NNW	2	*	b	o	–	64	54

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	74	46	b	b	11·6
	Banff	–	59	49	b.bc	cm	7·2
	Carnoustie	–	59	42	b	b	13·7
	St. Andrews	–	62	39	*	*	12·7
Eng. N.E.	Harrogate	–	71	45	b	b	10·7
	Skegness	–	56	45	o.bc.b	b	11·5
Eng. N.W.	Morecambe	–	77	47	b	b	13·4
	Blackpool	–	74	44	b	b	13·6
	Southport	–	74	46	b	b	12·3
Midlands.	Buxton	–	70	38	b	b	12·8
	Leamington Spa	–	73	44	c.b	b	8·7
	Malvern	–	79	50	z.b	b	8·0
	Ross-on-Wye	–	71	43	bc.c.b	bz	9·2
Wales.	Rhyl	–	65	44	b	b	13·2
	Colwyn Bay	–	63	45	bc	b	13·3
	Llandudno	–	63	49	b	b	12·0
	Aberystwyth	–	76	52	c.b	bc.c	13·5
	Tenby	–	68	52	b	b	?13·0
England. E.	Cromer	–	61	44	b	b	11·8
	Lowestoft	–	61	46	b	b	12·4
	Felixstowe	–	62	45	b	b	13·7
	Walton-on-Naze	–	60	47	b	b	14·2
	Southend-on-Sea	–	71	46	b	b	?
England, S.E.	Tunbridge Wells	–	73	45	b	b	13·1
	Margate	–	62	49	b	b	13·5
	Ramsgate	–	63	49	b	b	13·3
	Hastings	–	74	50	b	b	13·3
	Bexhill-on-Sea	–	75	51	b	b	?
	Eastbourne	–	69	51	b	b	13·2
	Seaford	–	76	50	b	b	13·2
	Brighton	–	79	51	b	b.bc	13·2
	Worthing	–	77	50	b	b	13·2
	Littlehampton	–	74	48	b	b	13·5
	Bognor	–	76	50	b	b	13·1
	Southsea	–	77	51	b	b	13·2
	Bournemouth	–	75	47	b	b	13·3
England, S.W.	Weymouth	–	75	51	b	bz	12·0
	Torquay	–	73	54	b	b.bc	12·7
	Paignton						
	Falmouth	–	69	55	b	b	12·8
	Penzance	–	70	58	b	bc	12·5
	Newquay	–	73	54	bc	bc	12·5
	Ilfracombe	–	69	53	b	b.bc	12·4
	Weston-super-Mare	–	73	47	b	b.bc	11·3

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	45	64	14·1	74	49	36	–	b	b	b.bc
City (Bunhill Row)	*	*	12·8	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	46	64		75	53	48	–	b	b	b
Camden Sq. (Brit. Rainfall)	39	60	12·7	80	52	47	–	b	b	*
Hampstead (Reservoir)	*	60	14·2	73	49	38	–	b	bc	b
Richmond Park	*	*	13·7							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	44	62	14·3							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
2363 Joules	41·1 Milliwatts.	75 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.								*
Darwell to 9 p.m.	–	73	43	41	bc	bc	bc	13·3
Manchester ,,	–	71	49	*	b.bc	bc.b	b.bc	13·7
Birmingham ,,					*			
Oxford to 8 p.m.	*							*
Teignmouth to 9 ,,								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	–	76	47	41	b	b	b	*

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

25th & 26th May 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.45 / 3.44	11.50 / 11.50	7.54 / 7.57
Greenwich	3.57 / 3.56	11.57 / 11.57	7.57 / 7.58
Wick	3.28 / 3.26	12.9 / 12.9	8.51 / 8.53
Valencia	4.37 / 4.36	12.38 / 12.38	8.40 / 8.41

NOTES ON YESTERDAY'S WEATHER.

Over a large portion of England and Wales the thermometer rose to between 70° and 75°, and at Brighton it touched 79°; on several parts of our north and north-east coasts it did not reach 60°. A thunderstorm occurred during the night at Scilly, and lightning and rain at Falmouth.

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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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 147. Thursday 27th May 1915.

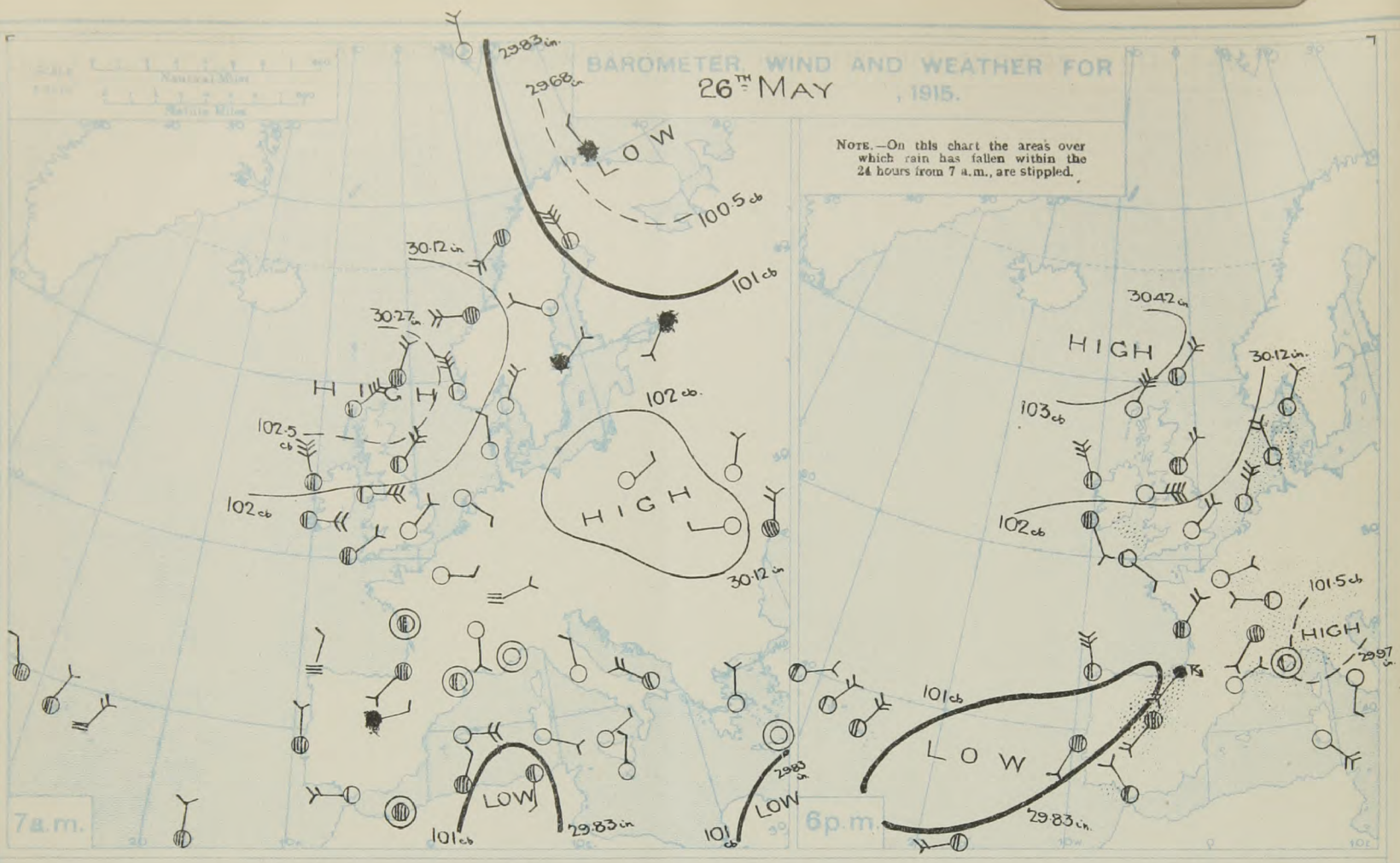
DATE.	STATIONS.	YESTERDAY EVENING: Barom. Millibars at M.S.L.	Temp. °F	Wind: Direc.	Wind: Force (0–12.)	Weather.	THIS MORNING 7 A.M., G.M.T.: Barometer: Millibars at M.S.L.	Barometer: Change in 3 hours.	Temp.: Dry Bulb. °F	Temp.: Change in 24 hours. °F	Wind: Direc.	Wind: Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS: Rainfall. Millimetres.	Temp.: Max. °F	Temp.: Min. °F	Weather: Morning.	Weather: Afternoon.	Weather: Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1029.4	50	NE	4	bc	1026.7	‡2	47	+1	N	3	–	0	3	–	51	43	0 bc	bc	bc 0	
	Deerness ...	1029.1	49	NE	3	b	1027.7	*	46	-1	WNW	2	–	0	1	–	52	41	0	0 c bc b	b bc c 0	6.8
	Stornoway ...	1029.2	51	NE	6	b	1029.4	0	48	-2	NE	2	–	0	2	–	56	41	b	b	b 0	14.6
	Castlebay (Barra Isd.)	1026.7	53	NNE	5	bq	1028.5	0	51	+1	NE	3	–	b	3	–	56	46	bq	bq	bq b	5.2
	Glasgow ...	1026.3	51	ENE	4	bc	1028.0	+1	46	-3	ENE	3	E	c	*	–	56	40	0	0 c bc	bc b 0 c	14.2
	Eskdalemuir ...	1026.0	48	NE	5	0	1027.8	0	45	-3	NE	3	–	0	*	–	52	40	0	0 c	cq bc	0.9
	Malin Head ...	1025.0	54	NNE	3	bm	1027.0	+1	48	-2	E	3	NE	bcm	3	–	56	44	bm	bm	bc	14.2
	Blacksod Point	1024.3	56	NNW	5	bcm	1024.3	+3	51	0	ENE	4	E	bc	3	–	58	50	bcm	bcm	bcm bc	*
	Valencia ...	1016.9	66	SSE	2	c	1019.7	+2	59	-3	E	3	E	cq	3	–	72	57	bcq	cq	cq cq cq	9.2
	Roche's Point	1017.8	64	NE	1	0	1022.1	*	54	-3	ENE	3	–	0	3	2	71	53	c 0	opq	opq pc 0	*
	Birr Castle ...	1019.9	65	NE	3	bc	1023.3	*	51	-1	NE	3	–	c	*	–	71	49	b	bc	c	10.3
	Donaghadee ...	1023.3	57	NE	3	bq	1026.5	*	48	-2	E	3	–	bm	3	–	58	44	bm	bq	bm	*
	Liverpool (Bidston)	1020.5	59	ENE	5	b	1024.5	+1	48	-13	ENE	4	–	b	3	–	70	45	bm	bc	b	10.7
	Holyhead ...	1020.6	59	E	7	bmq	1023.3	+2	50	-8	E	6	–	b	5	–	64	47	b bcm	b bcm	bm	10.6
	Pembroke (St. Ann's)	1016.6	64	E	3	c	1021.0	+2	51	-9	E	3	–	bc	3	–	70	50	bc	cq	cq	8.0
	Scilly (St. Mary's)	1014.2	61	ESE	1	bm	1017.0	+2	56	0	E	4	E	c	4	–	65	54	bm	bcm	bcm cl	11.1
	Falmouth ...	1013.7	64	ENE	2	b	1017.2	+2	55	-5	NE	3	–	c	4	?	68	54	o bc c	c bc b	b bl cp	7.9
	Jersey (St. Aubin)	1013.1	69	ENE	3	cq	1015.7	*	54	-11	NE	5	NE	bc	4	–	79	53	b	b 0	cgt bc	9.5
	Portland Bill ...	1014.5	63	ESE	3	b	1019.2	+1	52	-10	NE	6	–	b	4	–	68	48	b	bc	bc b	*
	Dungeness ...	1015.2	61	NE	2	bc	1018.4	+2	52	-8	NE	6	W	c	5	–	72	50	bc b	bc c	bc c 0	*
	Dover	1015.7	57	N	5	b	1018.4	+3	50	-11	NNE	6	NE	c	5	–	74	47	b	b	b bc c	14.0
	Wick	1029.1	48	NE	3	bc	1028.6	-1	45	-4	WNW	2	NW	0	1	–	51	35	bc	bc	bcm f 0	*
	Nairn	1028.3	50	E	3	bc	1028.5	*	47	-1	E	1	–	cq	2	–	54	43	c bcq	gbc	bc c	6.9
	Aberdeen ...	1028.5	50	NE	4	c	1028.3	0	47	-2	N	2	–	b	2	–	56	40	o c b	b bc c	c o c b	6.1
	Leith	1027.0	51	ENE	3	b	1028.1	+2	49	0	NE	2	E	c	*	–	54	46	od o	o c bc b	b bc o	*
	Tynemouth ...	1024.9	49	NE	3	c	1026.7	+1	49	-1	NE	3	NE	bc	4	–	52	47	om	cm	bc	*
	Spurn Head ...	1022.6	51	NE	7	bc	1026.4	0	47	-6	NE	7	–	oq	6	–	57	46	bcq	bcq	bcq	9.5
	Yarmouth ...	1019.1	54	NNE	5	b	1022.1	+3	50	-8	NE	5	NE	c	3	–	59	48	b	b	cq	14.2
	Clacton-on-Sea	1017.1	63	NE	4	b	1020.3	+2	50	-7	NNE	4	NE	bc	3	–	66	47	bc b	b	b bc	14.3
	Nottingham ...	1021.1	56	NE	4	b	1024.4	*	48	-5	NE	4	NE	c	*	–	68	45	b	b	bc	13.2
	Bath	1015.8	72	E	3	bc	1021.3	*	50	-10	NE	4	E	b	*	–	76	45	b	b bc	b bc c	13.0
	Sth Farnborough	1015.0	71	NE	3	bc	1020.1	+2	52	-6	NE	4	–	b	*	–	76	46	b	b bc	bc b	13.2
	London (Kew Obsy.)	1016.3	71	NE	3	bq	1021.3	+1	61	-7	NE	4	N	bq	*	–	75	46	bq	bq	bq bc bq	13.1
ICELAND, FAEROE, &c.	Spitsbergen ...												*		*	*						
	Isafjord ...												*		*	*						
	Reykjavik ...												*		*	*						
	Vestmanna ...												*		*	*						
	Seydisfjord ...												*		*	*						
	Thorshavn ...												*		*	*						
NORTHERN EUROPE.	Vardö															*						
	Bodö																					
	Christiansund																					
	Skudesnaes ..																					
	Færder (X'tiania Fjord)																					
	The Scaw (Skagen)	1016.7	55	NNE	2	b	1017.0	0	50	-7	ESE	3	–	m	2	–	61	48				
	Blaavands Huk	1017.2	55	NNW	3	b	1016.8	+1	52	-3	N	2	–	r	4	–	57	48				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1016.7	57	NNE	5	b	1018.4	+1	50	-13	N	6	–	c	4	–	68	50				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1014.4	56	NE	3	bc	1016.8	+2	50	-5	NE	7	*	o	6	–	64	50				
	La Hève	1013.9	64	NNE	4	bc	1015.3	*	52	-12	ENE	4	*	o	4	1	81	50				
	Ushant	1013.6	55	N	2	m	1014.0	*	55	-2	ENE	5	*	b	3	–	72	50				
	Brest (St. Mathieu)	1014.6	59	N	2	bc	1014.7	+1	57	-2	ENE	4	*	b	1	–	75	55				
	Rochefort (Ile d'Aix)	1012.2	73	NE	3	o	1010.6	0	65	-1	SSE	2	*	c	*	–	76	61				
	Biarritz	1011.4	64	SW	3	bc	1010.9	0	61	0	–	0	*	m	1	3	72	59				
	Paris	1011.8	75	E	2	b	1013.9	+3	61	-5	NNE	3	–	o	*	–	82	59				
	Belfort	1012.8	72	W	2	b	1013.7	*	66	+7	W	2	*	m	*	–	78	52				
	Lyons	1013.1	70	SSW	2	o	1013.6	*	64	-5	SSE	1	*	b	*	–	77	56				
	Nice	1015.0	63	–	0	b	1013.1	0	67	-1	–	0	*	b	1	–	77	57				
	Perpignan ...	1012.5	66	ENE	2	bc	1012.4	+1	66	-2	NE	3	N	b	*	–	73	54				
	Sanguinaire ...	*	74	N	2	m	*	*	72	+2	E	1	*	b	2	–	79	66				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1013.0	61	NNW	5	bc	1012.0	0	57	0	NNE	2	–	f	1	–	62	57				
	Madrid (8 a.m.)	1010.9	66	SW	3	0	1011.7	+2	59	-2	–	0	–	r	*	1	75	55				
	Lisbon (9 a.m.)	1010.3	70	SSW	2	0	1011.0	+2	63	0	–	0	–	o	2	–	72	59				
	Gibraltar	1012.5	65	NW	2	bc	1012.8	*	62	+2	NW	2	*	o	1	–	70	59				
	Rome	1013.3	66	SW	1	b	1012.7	0	63	+3	N	1	–	b	*	–	77	55				
	Malta (8 a.m.) ...	*	*	*	*	*	1013.6	+1	68	0	ENE	1	–	o	1	–	73	63				
	Azores (Horta, 8 a.m.)	1014.9	*	NE	3	b	†1015.8	0	63	0	NNE	2	*	c	2	–	68	59				
	Madeira (Funchal)	1010.9	66	WSW	3	bc	1013.0	0	61	+2	SSW	3	–	c	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

* 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 THURSDAY TO NOON FRIDAY.

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 } Light to moderate Northerly and North-Easterly winds, and a moderate sea; fine generally, misty in places.

0 { a, b } 1 } Light breezes chiefly Northerly; fair: cool.

2 { a, b } Moderate North-Easterly winds; fair; cool.

3 Same as No. 5.

4 { a, b } Same as No. 2.

5 } Fresh or strong North-Easterly winds, moderating later; fair; cool.

6 { a, b } Light Easterly and North-Easterly winds; fine; cool.

7 { a, b } 8 { a, b } 9 { a, b } 10 { a, b } Moderate Easterly and North-Easterly winds; fine generally; cool.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., THURSDAY, 27TH MAY, 1915.

GENERAL INFERENCE.

The general conditions will remain unchanged, but the gradient over our eastern and south-eastern districts is likely to diminish gradually.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder
⚡, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈≈≈.

Scale of Tints for MAY.

Normal Temperature of the Sea.

Below 40° | 40°-50° | 50°-60° | Above 60°

Barometer 47

30·27 in.

30·12 in.

29·97 in.

102·5 cb

102 cb

101·5 cb.

Barometer

Barometer

Change

Change

Slowly

Rising slowly

H

L

W

DAILY WEATHER REPORT. Thursday, 27th May, 1915.

REPORTS FOR YESTERDAY.

26th May, 1915.

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
		°F.						°F.	°F.								
Spitsbergen	1009·6	23	NE	2	o	1011·9	+2	21	−2	N	3	*	b	*	*	28	14
Vardö	1003·3	39	ESE	1	o	1001·7	+2	39	0	NNW	1	-	r	2	*	43	36
Bodö	1013·3	39	W	6	r	1015·5	+3	41	−2	SW	6	-	b	3	5	43	37
Christiansund	1023·3	46	W	4	o	1023·3	o	43	−3	W	4	-	o	4	3	46	42
Skudesnaes	1022·1	54	NNW	6	c	1022·5	o	48	−15	NNW	6	-	b	2	-	61	46
Færder	1018·9	57	-	o	c	1023·1	+1	54	−3	N	4	-	o	2	Trace	61	54
Haparanda	1006·3	45	SW	2	bc	1006·6	o	48	+2	NNW	6	-	b	*	-	52	39
Herrösand	1017·2	55	SW	4	c	1016·8	o	52	0	WNW	2	W	b	*	-	64	45
Stockholm	1015·7	73	W	2	b	1018·9	+3	46	−18	NE	2	-	r	*	7	75	46
Wisby	1019·4	63	SSW	2	b	1017·1	o	54	0	WSW	2	W	b	*	-	70	50
Karlstad	1017·1	75	W	4	bc	1019·9	+3	46	−15	NE	4	-	r	*	11	77	45

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	-	66	46	bc	bc	7·2
	Banff	0·3	52	48	c	c·o	2·5
	Carnoustie	-	54	46	o.c	bc	4·3
	St. Andrews	-	64	48	*	*	2·6
Engl. N.E.	Harrogate	-	57	46	bc.c	c.bc	3·7
	Skegness	-	59	47	b.bc	bc.b	12·4
Engl. N.W.	Morecambe	-	70	53	b	b	13·3
	Blackpool	-	69	48	bc.b	b.bc.b	12·3
	Southport	-	69	50	b.bc	bc.b	13·3
Midlands.	Buxton	-	65	41	b	bc	10·6
	Leamington Spa	-	72	49	bc.b	b	12·8
	Malvern	-	72	52	b	b	12·0
	Ross-on-Wye	-	72	50	b	b	12·5
Wales.	Rhyl	-	70	47	bc	bc	9·5
	Colwyn Bay	-	65	48	bc	bc	12·0
	Llandudno	-	64	50	b	b	9·6
	Aberystwyth	-	78	56	c.bc	b.bc	11·5
	Tenby	-	73	57	b	b	8·4
England. E.	Cromer	-	60	50	bc	c	10·7
	Lowestoft	-	55	51	bc.b	b	13·2
	Felixstowe	-	65	49	bc	bc	13·5
	Walton-on-Naze	-	59	49	b	b	?13·7
	Southend-on-Sea	-	71	50	b	b	?
England. S.E.	Tunbridge Wells	-	74	50	bc.b	b	12·7
	Margate	-	58	52	b	b	13·0
	Ramsgate	-	68	50	b	bc	13·0
	Hastings	-	76	55	b	b	13·5
	Bexhill-on-Sea	-	72	56	b	b	12·6
	Eastbourne	-	70	56	b	b	13·5
	Seaford	-	78	55	b	b	13·3
	Brighton	-	78	57	b	b.bc	12·8
	Worthing	-	76	56	b	b	12·8
	Littlehampton	-	75	53	b	b	13·0
	Bognor	-	75	55	b	b	12·9
	Southsea	-	77	57	b	b	13·0
	Bournemouth	-	76	51	b	b.o	11·5
England. S.W.	Weymouth	-	76	57	bz	b.bcz	11·0
	Torquay	-	72	58	b	b.bc	11·6
	Paignton	-					
	Falmouth	10	68	57	o.bc.c	c.bc.b	7·3
	Penzance	5	69	58	thr.bc	bc	10·0
	Newquay	3	71	57	oz.bz.o	cz.bz	4·5
	Ilfracombe	-	72	53	bc.b	b.bc	9·0
	Weston-super-Mare	-	75	53	b	b.bc	12·0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	42	66	13·8	76	46	41	-	b	b	b
City (Bunhill Row)	*	*	13·1	*	*	*	*	*	*	*
Westminster (St. James's Pk.)			13·5							
Camden Sq. (Brit. Rainfall)	35	62	11·6	82	47	45	-	b	b	*
Hampstead (Reservoir)	*	67	13·2	74	43	34	-	b	bc	bc
Richmond Park	*	*	12·9							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	42	66	13·3							

Vertical Component of Solar Radiation per square centimetre during yesterday.

Total.	Average Rate.	Max. Rate.
2149 Joules	37·3 Milliwatts.	70 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine Yesterday
	mm.§	°F.	°F.	°F.				
Dublin to 4 p.m.								1
Darwen to 9 p.m.	-	64	48	43	bcw	bc	bc	9
Manchester ,,								
Birmingham ,,								
Oxford to 8 p.m.	*							
Teignmouth to 9 ,,								*
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	-	77	53	43	b	b	b.bc	*

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

27th & 28th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.44 / 3.42	11.50 / 11.50	7.57 / 7.58
Greenwich	3.56 / 3.54	11.57 / 11.57	7.58 / 8.0
Wick	2.26 / 3.24	12.9 / 12.9	8.53 / 8.55
Valencia	4.35 / 4.34	12.28 / 12.38	8.41 / 8.42

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 75° and upwards at many of our southern stations, and touched 79° at Jersey on some parts of our north and north-east coasts it did not reach 55°. A thunderstorm occurred at Penzance, and thunder and lightning singly occurred on several parts of our south-west coast.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; 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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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 148. { Friday 28th May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–8.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1024·5	50	NNE	3	b	1017·9	–4	48	+1	NNW	3	–	d	3	3	52	43	o bc	b	bcd	*
	Deerness ...	1025·0	51	NW	4	b	1019·3	*	48	+2	WNW	4	–	md	2	Trace	?54	46	o.c bc	bc.b	b.md	6·9
	Stornoway ...	1027·6	50	N	4	c	1022·9	–3	50	+2	NW	3	NW	c	3	0·3	52	47	o	o c	o.cdp	0·2
	Castlebay (Barr. Isd.)	1027·7	51	NNW	4	c	1023·8	–1	50	–1	WNW	2	–	o	2	–	55	47	bc	bc	c.o	14·0
	Glasgow ...	1024·2	59	W	1	cu	1022·2	–2	47	+1	ENE	1	NW	c	*	–	63	42	c bc b	b bc cg	bc.c bc	8·9
	Eskdalemuir ...	1024·6	54	ENE	2	c	1022·5	–2	43	–2	–	0	–	o	*	–	58	33	o.c.bc	b bc.c	c.bc.b	10·2
	Malin Head ...	1026·7	51	NNE	3	bc	1024·2	–2	48	0	NNE	4	N	cg	4	–	54	47	bg	bc	cg	14·7
	Blacksod Point	1024·9	54	ENE	4	bc	1024·9	0	48	–3	NE	4	E	cm	4	–	59	46	bc	bc	bc	*
	Valencia ...	1021·5	58	WSW	1	c	1022·3	0	53	–6	NNE	2	–	bg	3	–	67	47	cg	cg	bc.c.bg	3·7
	Roche's Point	1023·7	58	ESE	3	b	1023·2	*	50	–4	N	1	–	b	1	–	60	44	o.c	bc.bm	bg	*
	Birr Castle ...	1023·6	63	ENE	3	b	1022·9	*	48	–3	NE	1	–	b	*	–	64	39	bc	b	b	13·4
	Donaghadee ...	1024·9	52	N	3	bg	1023·3	0	48	0	NW	3	NW	c	2	–	53	44	bg	bg	bm.c	*
	Liverpool (Bidston)	1023·0	58	ENE	3	b	1022·5	–2	47	–1	–	0	–	b	0	–	61	44	bm	b	bm	12·9
	Holyhead ...	1023·8	55	NE	5	bm	1022·1	0	50	0	N	2	–	bm	1	–	57	44	bm	bm	bm	13·4
	Pembroke (St. Ann's)	1020·9	58	E	2	bc	1022·1	0	48	–3	E	3	–	bm	2	–	63	43	bc	bcm	bcm	13·6
	Scilly (St. Mary's)	1018·4	59	ENE	2	bmc	1019·1	0	51	–5	E	4	E	bc	4	–	61	49	c	bm	b.bc	7·5
	Falmouth ...	1018·3	59	SE	2	b	1018·9	0	48	–7	NE	2	–	bc	4	–	65	44	bc b	b	bc	10·7
	Jersey (St. Aubin)	1016·6	56	NE	6	b	1016·4	*	50	–4	ENE	5	NE	c	4	–	61	48	bc.b	bc.b	bc	10·8
	Portland Bill ...	1018·7	59	NE	3	b	1019·4	0	48	–4	NE	5	NE	bc	4	–	62	42	b	b	b.bc	*
	Dungeness ...	1019·5	50	NNE	7	bc	1018·6	0	50	–2	NE	5	N	c	6	–	56	46	c bc	c bc	bc	*
	Deal	1019·9	48	N	6	o	1018·1	0	49	–1	NE	5	NE	cu	4	–	53	43	o.c.bc	bc b.o	o.c.bc.o	7·1
	Wick	1025·6	51	WNW	3	c	1020·3	–3	48	+3	W	3	W	o	2	–	53	45	o.c	c	c.omg	*
	Nairn	1025·9	54	E	1	bc	1022·1	*	50	+3	ENE	1	–	ou	2	–	56	46	c bc	bc	bc.c	6·5
	Aberdeen ...	1028·3	53	NNW	3	bc	1021·4	–2	50	+3	NW	2	–	o	2	–	56	42	bc.o	c bc	bc.b.o	9·7
	Leith	1024·3	54	ENE	2	bc	1021·7	–3	50	+1	NW	1	–	og	*	–	57	43	c.bc.b	b.bc	c	*
	Tynemouth ...	1026·0	51	NE	3	bc	1022·2	–3	47	–2	NW	2	–	cm	3	–	53	41	bc	bc	cm	*
	Spurn Head ...	1027·3	48	NE	6	o	?1020·9	0	49	+2	NNE	4	–	bc	5	–	54	44	oq	oq	bcq	0·0
	Yarmouth ...	1022·3	50	NNE	4	o	1019·8	0	50	0	N	3	N	o	2	–	52	47	cg	cg	o	3·2
	Clacton-on-Sea	1021·0	52	NNE	4	bc	1019·4	0	49	–1	NNE	3	NE	c	2	–	57	47	bc	bc	bc.c	12·2
	Nottingham ...	1023·8	52	ENE	4	c	1021·4	*	46	+2	N	2	N	o	*	–	55	41	c.bc	bc c	c o	8·3
	Bath	1020·8	59	E	4	b	1020·8	*	48	–2	E	4	E	c	*	–	63	39	bg	bg	b.bc.c	13·1
	Sth Farnborough	1019·9	56	NE	5	b	1019·5	0	47	–5	NE	5	–	o	*	–	61	44	b	b	bc.o	14·6
	London (Kew Obsy.)	1020·8	55	NNE	3	bc	1019·9	–1	49	–2	NE	4	–	o	*	–	59	46	b bg	bc	bc.bc.ou	14·6
ICELAND, FAEROE, &c.	Spitsbergen ...												*		*	*						
	Isafjord												*		*	*	*	*	*	*	*	
	Reykjavik ...												*		*	*	*	*	*	*	*	
	Vestmanna ...												*		*	*	*	*	*	*	*	
	Seydisfjord ...												*		*	*	*	*	*	*	*	
	Thorshavn ...												*		*	*	*	*	*	*	*	
NORTHERN EUROPE.	Vardö															*						
	Bodö																					
	Christiansund																					
	Skudesnaes ..																					
	Færder (X'ianiaFjord)																					
	The Scaw (Skagen)	1016·2	55	N	2	b	1012·8	?	57	+7	–	0	–	b	0	–	59	41				
	Blaavands Huk																					
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1019·3	48	N	5	bc	1017·2	–1	50	0	N	3	–	c	2	–	54	48				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1017·9	48	NE	7	c	1017·7	0	48	–2	NE	6	*	o	5	–	54	46				
	La Hève	1014·9	49	NE	5	o	1015·5	*	50	–2	NE	4	*	bc	5	–	57	46				
	Ushant	1014·7	52	?ENE	6	c	1015·1	*	51	–4	ENE	6	*	c	4	–	57	46				
	Brest (St. Mathieu)	1014·7	59	ENE	6	b	1015·7	0	49	–8	ENE	5	*		3	–	75	46				
	Rochefort (Ile d'Aix)	1009·9	68	NNE	4	bbr	?1008·8	0	61	–4	ENE	4	*	c	*	4	75	59				
	Biarritz	1009·7	62	–	0	r	1008·3	0	61	0	WSW	3	*	m	2	16	72	61				
	Paris	1013·5	63	NNE	4	c	1014·6	0	48	–13	NNE	4	–	o	*	Trace	66	48				
	Belfort	1010·3	73	W	2	c	1012·4	*	55	–11	ENE	2	*	r	*	25	79	54				
	Lyons †	1010·3	71	NNW	2	o	1010·3	*	64	0	E	1	*	b	*	–	82	56				
	Nice	1011·5	64	W	1	b	1010·0	0	67	0	–	0	*	b	0	–	75	57				
	Perpignan ...	1008·6	73	SE	2	0	1008·8	0	64	–2	SW	1	–	o	*	–	84	57				
	Sanguinaire ...	*	74	E	2	bc	*	*	70	–2	SE	2	*	bc	2	–	79	66				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1011·7	61	NNE	3	r	1010·9	0	59	+2	WSW	1	–	f	1	8	61	57				
	Madrid (8 a.m.)	1010·4	63	W	1	o	1011·7	0	57	–2	WSW	2	–	b	*	1	72	50				
	Lisbon (9 a.m.)	1012·3	64	SSW	2	o	1013·1	+1	59	–4	NW	1	–	o	2	–	68	57				
	Gibraltar	1014·2	64	NW	3	b	1013·5	*	62	0	NW	2	*	bc	1	–	75	59				
	Rome	1012·2	68	W	1	b	1012·3	0	63	0	NW	1	–	b	*	–	77	57				
	Malta (8 a.m.) ...	*	*	*	*	*	1013·2	+1	70	+2	NE	1	–	b	0	–	75	63				
	Azores (Horta, 8 a.m.)	1016·2	*	ENE	4	b	†1016·6	+2	61	–2	–	0	*	c	0	–	70	57				
	Madeira (Funchal)	1013·5	66	N	2	bc	1015·1	+2	59	–2	N	2	–	b	2	–	66	59				

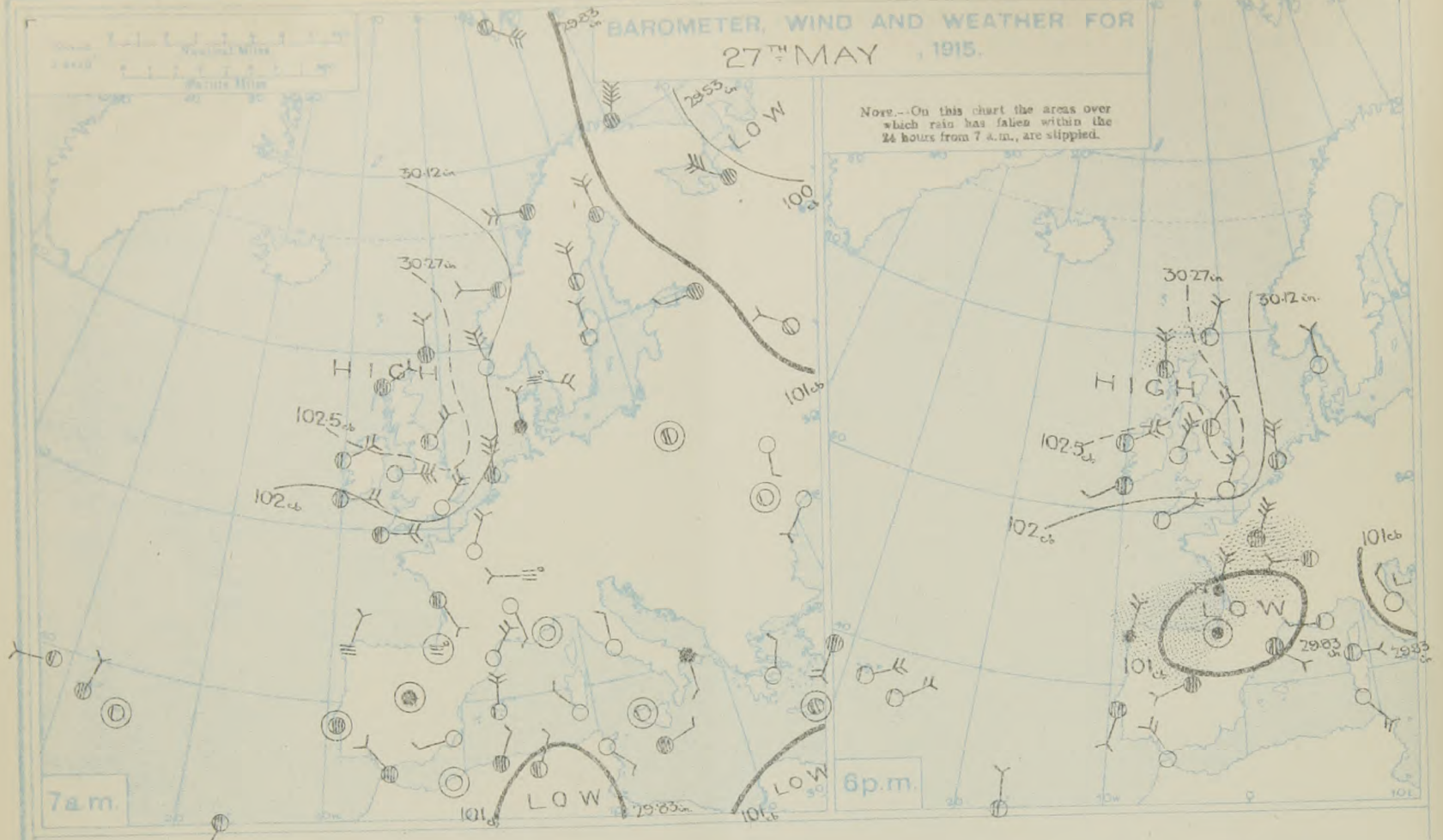
RAINFALL.

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

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

BAROMETER, WIND AND WEATHER FOR 27TH MAY, 1915.



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

FORECAST DISTRICTS.

STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay

0 (a, b), 1 — Light or moderate North-Westerly winds; cool, cloudy, slight rain in places.

2 (a, b), 3 — Light Northerly to North-Westerly winds; fair at first, cloudy later, with local showers; very cool.

4 (a, b), 5 — Wind backing to the Northward and decreasing in strength; mostly fair, but cloudy and very cool.

6 (a, b) — Same as Nos. 0 to 2.

7 (a, b), 8 (a, b), 9 (a, b), 10 (a, b) — Light North-Easterly to Northerly winds; fair generally, but misty in places; remaining cool.

11 — Moderate or fresh North-Easterly winds, and a moderate sea; fair; cool.

FURTHER OUTLOOK.

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

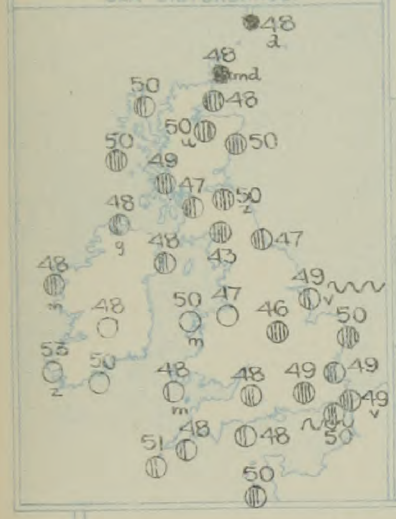
W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., FRIDAY, 28TH MAY, 1915.

GENERAL INFERENCE.

The anticyclone will probably continue to drift slowly in a south-westerly direction. The wind over southern England will decrease in strength, and will back gradually to the Northward.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ⦿ rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. T, thunder. T\, thunderstorm.

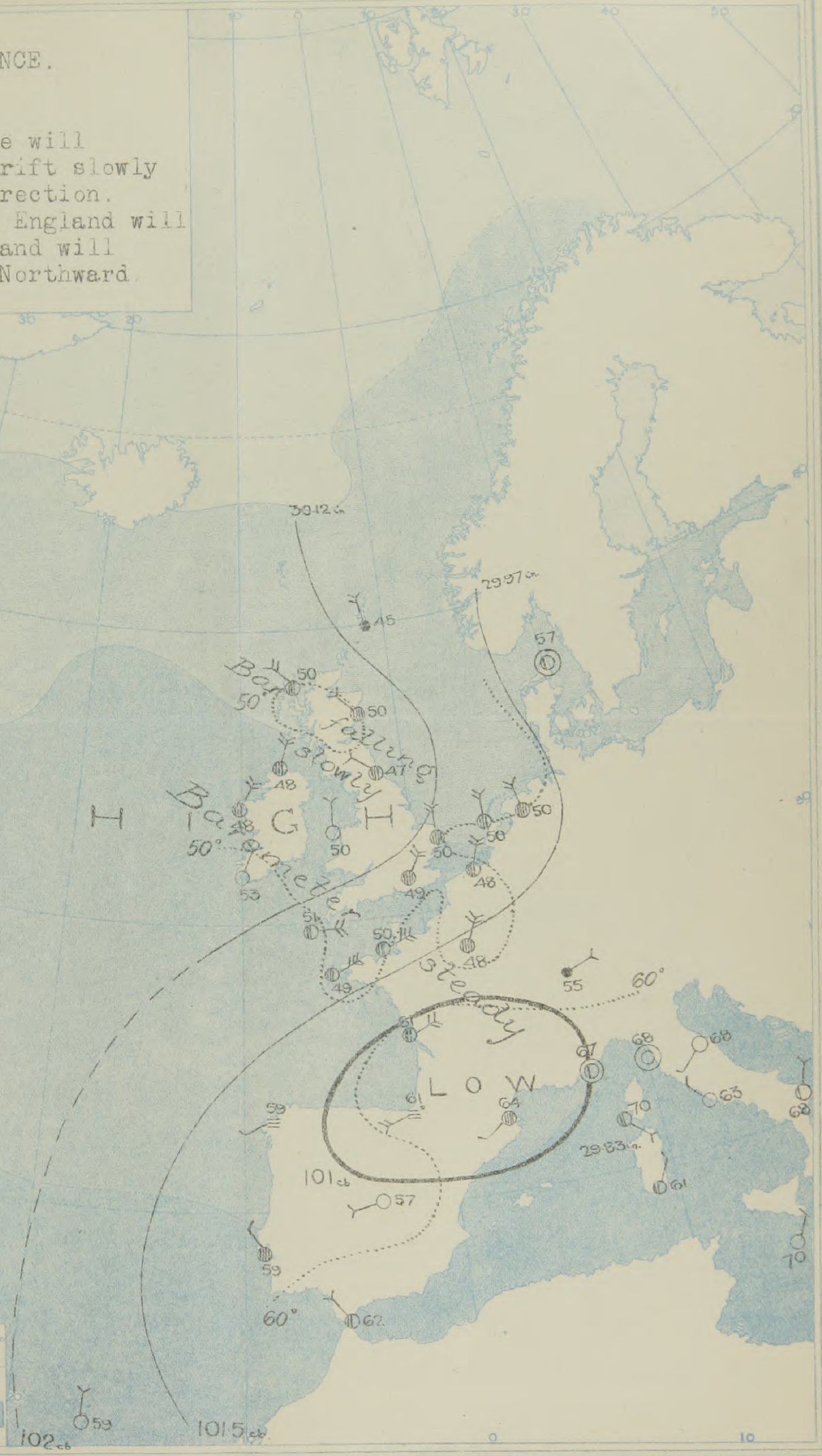
SEA DISTURBANCE.—Rough ~~~. High ≈≈≈.

Scale 1:12·510
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.



DAILY WEATHER REPORT. Friday, 28th May, 1915.

REPORTS FOR YESTERDAY.

27th May, 1915.

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Spitsbergen	1014·3	25	N	1	b	1013·1	+2	21	0	ESE	6	*	c	*	*	27	12
Vardö	1005·0	36	NW	7	o	1007·1	0	32	-7	NNE	9	–	o	5	4	36	
Bodö	1018·1	41	W	2	bc	1018·1	0	39	-2	W	*	–	o	2	1	43	34
Christiansund	1023·7	43	W	2	c	1022·9	0	41	-2	W	2	–	c	3	2	45	41
Skudesnaes	1024·2	46	NNW	8	b	1019·9	0	46	-2	NNW	6	–	b	2	–	54	41
Færder	1016·4	55	WSW	4	b	1018·6	+1	50	-4	NE	5	SW	c	2	–	57	46
Haparanda	1010·7	56	N	4	c	1014·0	0	43	-5	N	4	–	c	*	Trace	55	34
Hernösand	1015·8	54	NW	4	bc	1016·8	0	48	-4	N	4	N	bc	*	–	57	41
Stockholm	1017·1	50	S	2	o	1016·6	0	52	+6	N	2	–	b	*	6	54	45
Wisby	1016·4	48	E	4	o	1016·7	0	48	-6	N	2	W	b	*	1	61	43
Karlstad.	1016·6	65	SSW	2	b	1018·6	0	50	+4	NE	4	–	bc	*	2	59	?

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	57	37	b	b	14·2
	Banff	–	52	36	c	c.bc	5·7
	Carnoustie	–	54	39	b	b	13·1
	St. Andrews	–	58	48	*	*	12·0
Eng. N.E.	Harrogate	–	57	42	c.bc	bc.b	8·1
	Skegness	–	54	48	o.bc	bc.c	5·7
Eng. N.W.	Morecambe	–	62	45	b	b	13·4
	Blackpool	–	62	40	b	b	13·7
	Southport	–	61	42	b	b	13·3
Midlands.	Buxton	–	57	41	b	b	10·4
	Leamington Spa	–	58	45	bc	bc.	11·3
	Malvern	–	59	44	b	b	12·0
	Ross-on-Wye	–	59	43	b	b	11·1
Wales.	Rhyl	–	59	43	b	b	13·4
	Colwyn Bay	–	57	44	bc	bc	12·5
	Llandudno	–	57	50	b	b	11·4
	Aberystwyth	–	65	50	c.bc	b.bc	13·3
	Tenby	–	64	48	b	b	12·8
England. E.	Cromer	–	51	48	o.c.c.b	bc.o.c	0·8
	Lowestoft	–	51	48	o.c.o	ac.o	2·0
	Felixstowe	–	56	47	bc	o	14·1
	Walton-on-Naze	–	53	47	b	b.bc.c	11·3
	Southend-on-Sea	–	60	46	b	b.bc.b	12·7
England. S.E.	Tunbridge Wells	–	59	46	b	bc	10·6
	Margate	–	56	49	c	c	2·3
	Ramsgate	–	51	46	c	c	5·1
	Hastings	–	58	48	bc.b	b	10·1
	Bexhill-on-Sea	–	?	49	b	b	10·8
	Eastbourne	–	60	49	b	b	11·5
	Seaford	–	70	48	b	b	11·7
	Brighton	–	65	49	bc.b	b.bc	11·5
	Worthing	–	64	48	b	b	11·7
	Littlehampton	–	?	48	b	b	11·5
	Bognor	–	64	49	b	b	11·5
	Southsea	–	66	49	b	b	12·0
	Bournemouth	–	65	46	b	b	12·8
England. S.W.	Weymouth	–	67	48	b	b	13·0
	Torquay	–	64	52	b	b	12·4
	Paignton	–	62	51	b	b	12·9
	Falmouth	3	65	55	bc.b	b	9·3
	Penzance	3	68	54	r.bc.b	b	8·8
	Newquay	2	71	54	r.bc.b	b	8·8
	Ilfracombe	–	60	50	b	b	10·5
	Weston-super-Mare	–	63	48	b	b	12·5

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-Day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	55	68	13·1	61	46	43	–	b	b	bbc.o
City (Bunhill Row)	*	*	13·4	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	57	73	13·8	62	47	45	–	bc	b	bc.o
Camden Sq. (Brit. Rainfall)	52	65	12·6	67	47	46	–	b	b	*
Hampstead (Reservoir)	*	69	13·6	59	43	34	–	bc	bc.o	o
Richmond Park	*	*								
Kew. (See front page.)										

(Greenwich and Camden Square air temperatures are in Glaisher screens.)

S. Kensington (Roof of M.O.)	58	71	13·6							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
2584 Joules	144·8 Milliwatts.	81 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	58	50	47	bcq	bc	b	*
Darwen to 9 p.m.	–	58	42	38	bc	bc	bc	12·3
Manchester ,,				*				
Birmingham ,,					*	.		
Oxford to 8 p.m.	*							*
Teignmouth to 9 ,,								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	–	72	47	45	b	b	b	*

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

28th & 29th May, 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.42 / 3.41	11.50 / 11.50	7.58 / 7.59
Greenwich	3.54 / 3.53	11.57 / 11.57	8.0 / 8.1
Wick	3.24 / 3.21	12.9 / 12.9	8.55 / 8.57
Valencia	4.34 / 4.33	12.38 / 12.38	8.41 / 8.43

NOTES ON YESTERDAY'S WEATHER.

The maximum temperatures recorded over England were considerably lower than of late; over a large portion of the country the thermometer failed to reach 60°. More than 13 hours of bright sunshine were registered at several of our western and southern stations, nearly 15 hours at Malin Head.

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

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 149. {Saturday 29th May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1015·7	47	N	5	bcp	1013·5	-½	43	-5	NNE	6	N	c	6	2	50	38	do	o. bcq	cp	*
	Deerness ...	1017·3	45	N	5	cq	1013·2	*	44	-4	N	5	NE	cq	5	2	52	39	m d c b	bc. c. o	ocpq	1·5
	Stornoway ...	1020·4	51	NNE	4	c	1016·7	-3	44	-6	NNE	4	NE	cq	4	2	53	39	o. c	o d p o c	oc gq	0·5
	Castlebay (Barra Isd.)	1020·4	51	NW	4	cp	1016·8	0	44	-6	N	4	-	b	4	1	54	41	cp. c	o. cp	cp. o c b	6·0
	Glasgow ...	1016·1	60	W	4	c	1013·3	0	39	-8	ENE	2	-	x	*	14	62	39	c o c	bc. c. o c	c. or	3·5
	Eskdalemuir ...	1016·2	55	E	2	cuq	1011·8	0	37	-6	NE	3	-	or	*	7	59	36	o	o g cuq	cuq p o	1·9
	Malin Head ...	1020·8	50	NW	4	cq	1015·0	-4	43	-3	N	5	N	cq	5	Trace	53	44	cq	cq	bcq	0·0
	Blacksod Point	1021·9	53	NW	3	bc	1017·4	-3	46	-2	NNW	3	N	bcp	3	1	53	46	cm	bc	bc cmp	*
	Valencia ...	1020·3	57	N	4	b	1017·3	-1	50	-3	N	3	-	o	3	-	63	49	bq	bv	bc. o	15·5
	Roche's Point	1020·4	60	S	1	b	1017·0	*	51	+1	NNW	3	NW	c	2	-	60	49	bq	bq	b. bc c	*
	Birr Castle ...	1020·1	58	N	1	o	1015·8	*	49	+1	? NW	2	-	o	*	-	61	47	b	c. o	o	9·8
	Donaghadee ...	1018·3	52	N	4	bcm	1012·0	-2	46	-2	N	5	N	cq	5	-	54	46	cm	c. cm	bcm sq	*
	Liverpool (Bidston)	1017·4	52	WNW	3	bc	1010·6	-5	48	+1	W	5	W	oc	3	-	57	47	b	bc	c. o	1·6
	Holyhead ...	1018·4	52	N	3	bc	1012·6	-2	47	-3	NNW	5	-	oc	3	1	57	46	b. bcm	bc. c. bc	bc c or	13·9
	Pembroke (St. Ann's)	1018·7	54	NE	3	bc	1014·0	-1	50	+2	NNW	4	NW	cq	3	-	60	46	bm	bc	bc	14·2
	Scilly (St. Mary's)	1016·9	55	NNE	4	bm	1018·9	-3	54	+3	N	2	-	b	2	-	56	49	bc	bm	bm	14·3
	Falmouth ...	1016·9	54	SE	1	b	1012·7	-2	53	+5	N	4	-	b	3	-	55	47	bcb	b	b	14·1
	Jersey (St. Aubin)	1014·7	55	NE	4	b	1012·6	*	54	+4	N	2	-	b	1	-	58	42	b	b	b	12·4
	Portland Bill ...	1016·4	55	-	0	b	1012·1	-2	55	+7	-	0	-	b	1	-	57	48	bc	bc. b	b	*
	Dungeness ...	1015·1	52	NE	5	bc	1011·5	-1	51	+1	NNE	1	-	b	1	-	56	45	bc	bc	bc	*
	Dover	1015·3	50	NNE	4	c													c. bcc	bc. cv		
	Wick	1017·8	46	WNW	4	o	1013·4	-1	44	-4	NNE	4	-	o	3	1	52	38	o g m p d	o m p d	op	*
	Nairn	1018·2	49	NNE	3	cq	1013·9	*	45	-5	N	3	-	bc	4	1	57	40	do	p. bo	o c	0·0
	Aberdeen ...	1017·4	49	N	3	b	1011·6	-3	46	-4	NW	4	-	bc	3	0·2	56	39	op	o	o c. bc	0·0
	Leith	1016·9	59	NE	1	o	1013·0	-1	42	-8	NNE	3	-	r	*	7	64	41	o. c	c. o	ofs	*
	Tynemouth ...	1017·0	53	E	1	bc	1011·1	-5	44	-3	NNE	4	-	ogk	4	8	56	44	c. cq	c	ogk	*
	Spurn Head ...	?	51	ENE	4	bc	?	?	50	+1	ENE	2	-	o	3	-	55	45	bc	bcv	bcv	?
	Yarmouth ...	1016·6	51	NNE	3	c	1011·3	-3	49	-1	W	1	-	bc	1	-	57	42	o c. o	o. c	c. bc	6·5
	Clacton-on-Sea	1015·9	54	N	2	c	1011·5	-1	50	+1	S	1	-	b	0	-	56	40	c. o	o. c	c. bc b	3·5
	Nottingham ...	1016·3	56	E	2	b	1010·4	*	50	+4	WNW	3	W	cm	*	-	61	44	o c	bc. b	bc. o	9·8
	Bath	1016·3	60	E	3	b	1012·3	*	49	+1	N	1	-	m	*	-	61	39	c. bc. b	b	bm	12·5
	Sth Farnborough	1015·4	58	NE	3	bc	1011·0	-3	47	0	SW	1	SW	bq	*	-	59	35	o	o. c. bc	bc. b	5·6
	London (Kew Obsy.)	1016·0	56	NNE	3	bcv	1011·6	-1	46	-3	SSW	1	-	cm	*	-	59	41	o	o. c. bcv	bcv. bmor	6·2
ICELAND, FAEROE, &c.	Spitsbergen ...	1021·1	27	NE	4	b	1017·6	-6	19	-2	-	0	*	b	*	*	28	14				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1002·7	32	NNW	5	o	1001·2	0	34	+2	NNW	7	-	o	4	*	37	27				
	Bodö	1011·7	37	N	4	b	1011·7	0	37	0	NW	1	NW	b	1	-	39	30				
	Christiansund	1011·8	41	N	3	o	1012·0	0	39	-6	NNE	3	-	c	4	2	45	34				
	Skudesnaes ..	1008·2	46	W	2	f	1001·5	-3	45	-3	WNW	4	-	c	2	-	50	41				
	Færder (X'ianiaFjord)	1003·5	54	SSW	4	o	999·7	-1	45	-10	NE	6	-	o	3	-	57	41				
	The Scaw (Skagen)	1007·0	56	WSW	2	c	1000·4	-2	52	-5	WSW	4	W	c	3	-	61	48				
	Blaavands Huk	1011·1	50	NW	2	c	1006·0	-2	48	-2	WNW	3	-	o	3	-	52	46				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1014·1	50	N	3	c	1010·0	-2	50	0	WNW	1	-	c	1	-	52	48				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1014·4	50	NE	5	b	1010·0	-1	51	+3	NE	3	*	bc	2	-	55	45				
	La Hève	1011·7	57	NE	3	b	1010·3	*	48	-2	NNE	3	*	b	2	-	59	45				
	Ushant	1015·1	51	ENE	6	b	1013·7	*	53	+2	NE	2	*	b	3	-	54	46				
	Brest (St. Mathieu)	1015·4	59	NE	5	b	1014·3	0	50	+1	NE	1	*	b	1	-	63	48				
	Rochefort (Ile d'Aix)	1008·4	57	NE	5	o	1007·9	0	53	-8	NE	5	*	o	*	-	68	52				
	Biarritz	1008·2	61	WSW	3	o	1006·0	0	59	-2	WSW	4	*	r	3	7	63	59				
	Paris	1010·6	61	NNE	4	b	1009·3	0	50	+2	NNE	2	-	b	*	-	64	41				
	Belfort	1010·0	52	ENE	2	r	1004·8	*	50	-5	E	2	*	r	*	12	73	50				
	Lyons	1006·3	68	NNW	3	lbr	1005·1	*	61	-3	ESE	1	*	o	*	29	80	58				
	Nice	1008·2	62	-	0	c	1006·0	-1	60	-7	-	0	*	c	1	1	73	57				
	Perpignan ...	1006·6	64	SE	2	o	1006·0	0	63	-1	-	0	-	r	*	4	82	57				
	Sanguinaire ...	1004·4	67	S	2	c	1004·7	*	66	-4	SE	2	*	o	3	2	64	59				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1010·9	61	W	4	o	1011·7	+2	57	-2	NNE	4	-	o	2	2	64	57				
	Madrid (8 a.m.)	1008·0	64	WSW	3	c	1011·0	+2	55	-2	W	1	W	o	*	-	70	52				
	Lisbon (9 a.m.)																					
	Gibraltar	1013·5	65	NW	2	b	1012·8	*	63	+1	W	4	*	bc	2	-	75	61				
	Rome														*							
	Malta (8 a.m.) ...	*	*	*	*	*																
	Azores (Horta, 8 a.m.)	1017·1	*	S	4	b							*									
	Madeira (Funchal)	1017·1	64	N	1	c	1018·4	0	61	+2	N	2	-	o	2	Trace	68	61				

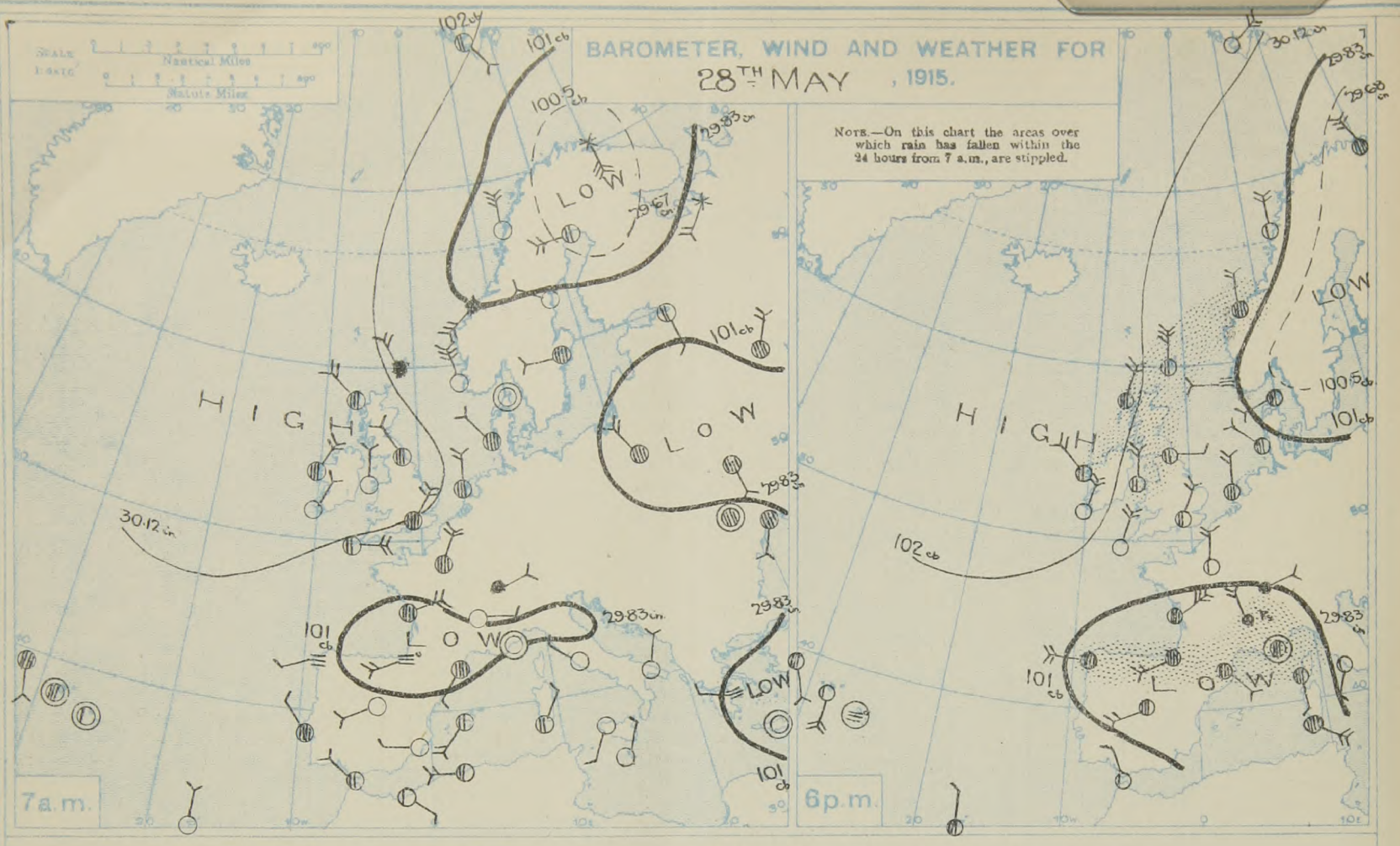
RAINFALL.

Equivalents of Millimetres in Inches.

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

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

BAROMETER, WIND AND WEATHER FOR 28TH MAY, 1915.



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

FORECAST DISTRICTS.

STORM WARNINGS.

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

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

No Warnings Issued.

0 {a b} 1 2 {a b} — Fresh Northerly and North-Easterly winds, changeable some showers.

3 4 {a b} 5 — Light Westerly breezes and fair weather, followed by moderate or fresh North-Westerly to Northerly winds and some rain; becoming colder.

6 {a b} 7 {a b} — Fresh Northerly winds, cold, changeable some showers.

8 {a b} — Freshening Northerly winds; fair at first, showery later; becoming cooler.

9 {a b} — Same as Nos 6 and 7.

10 {a b} — Same as No 8.

Western Channel and Bay 11 — Moderate to fresh Northerly and North-Westerly and a moderate sea; fair at first, showery later; becoming cooler.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

Millibars: 1050 1040 1030 1020 1010 1000 990 980 970

SYNOPTIC CHART FOR 7 a.m., SATURDAY, 29TH MAY, 1915.

GENERAL INFERENCE

Shallow barometrical depressions moving southward over Great Britain and the North Sea will occasion cold Northerly winds and changeable showery weather over Western Europe generally.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols:—
○ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊤ϟ, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈.

SCALE 1:2·10⁷
Nautical Miles 0 100 200 300 400 500
Statute Miles 0 100 200 300 400 500

Normal Temperature of the Sea

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.

HIGH 29.97 in 101.5 cb

29.83 in

29.68 in

29.97 in

29.53 in LOW 100

100.5 cb

Barometer falling generally

HIGH

1005 cb

29.63 in LOW

101 cb

101.5 cb

DAILY WEATHER REPORT. Saturday 29th May 1915.

REPORTS FOR YESTERDAY.

29th May

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Spitzbergen	1016·4	23	SE	1	c.	1020·2	+6	21	0	SSE	2	x	c	x	x	28	12
Vardo	1005·5	32	N	7	c	1003·1	-2	32	0	WNW	5	-	s	4	x	34	28
Bodö	1014·0	39	W	4	cc	1009·0	0	37	-2	N	6	N	c	2	5	39	32
Christiansund	1020·6	46	SW	1	cc	1010·0	-6	45	+4	SW	5	-	r	4	2	46	43
Skudesnaes	1017·3	46	WNW	6	c	1014·7	-1	48	+2	NNW	6	NW	c	2	-	50	43
Faerder	1015·4	55	-	0	c	1012·3	-2	56	+5	SSE	2	W	c	1	-	55	48
Haparanda	1010·9	41	SW	2	c	1004·6	-3	43	0	W	4	-	c	x	-	48	36
Hernosand	1015·1	52	NNE	2	c	1010·1	-4	46	-2	WNW	2	NW	c	x	-	54	43
Stockholm	1016·4	48	S	2	c	1011·7	-2	48	-4	W	2	-	c	x	-	50	43
Wisby	1014·9	54	ENE	2	c	1012·3	-2	45	-3	W	2	-	c	x	-	54	41
Karlstad	1016·7	57	NE	4	c	1012·7	-3	50	0	-	0	-	c	x	-	61	37
Blaavands Huk	1015·8	54	NNW	3	f	1014·1	0·	50	-2	NNW	2	-	c	3	-	55	48

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

	STATIONS.	Rainfall. mm.§	Temperature. Max. °F.	Temperature. Min. °F.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m. Hr.
Scotland.	Oban	-	59	46	bc	c	5·5
	Banff	0·3	52	45	og	do	0·0
	Carnoustie	-	57	40	o. c	o. cd	1·4
	St. Andrews	-	61	35	*	*	0·6
Eng. N.E.	Harrogate	-	61	36	b	b. bc. c. o	10·2
	Skegness	-	54	42	bc	bcv	10·5
Eng. N.W.	Morecambe	-	60	38	b	b. bc. c	7·3
	Blackpool	-	56	39	b	bc. c	9·9
	Southport	-	57	37	b	bc c	10·5
Midlands.	Buxton	-	60	33	bc	bc	9·1
	Leamington Spa	-	62	39	c. bc	bc	10·2
	Malvern	-	61	40	bc	bc	11·0
	Ross-on-Wye	-	60	36	bcg	bc. bg	13·0
Wales.	Rhyl	-	57	37			11·7
	Colwyn Bay	-	58	40	bc	bc	11·7
	Llandudno	-	60	44	b	b	11·2
	Aberystwyth	-	57	41	c. b	bc	13·0
	Tenby	-	65	44	b	b	13·0
England. E.	Cromer	-	56	46	bc	c. bc	7·7
	Lowestoft	-	54	47	c. o	o. c. o	6·0
	Felixstowe	-	56	47	bcv	bc	1·3
	Walton-on-Naze	-	53	46	o. c	c. bc	2·6
	Southend-on-Sea	-	58	46	o. c	c. bc	3·9

	STATIONS.	Rainfall. mm.§	Temperature. Max. °F.	Temperature. Min. °F.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m. Hr.
England. S.E.	Tunbridge Wells	-	57	44	o	o. bc	2·7
	Margate	-	52	47	b. c. bc	bc. b. bc	8·1
	Ramsgate	-	53	45	c	c	8·6
	Hastings	-	56	43	o bc. b	b. bc	6·0
	Bexhill-on-Sea	-	?	44	c	c	7·4
	Eastbourne	-	57	44	bc	bc	4·5
	Seaford	-	59	41	bc	bc	3·3
	Brighton	-	60	44	o. c	c. bc. c	4·0
	Worthing	-	59	43	o	bc	6·7
	Littlehampton	-	?	46	bc	bc	6·2
	Bognor	-	59	42	bc	b	8·8
	Southsea	-	60	42	b	b. c	6·8
	Bournemouth	-	57	38	bc	bc	9·5
England. S.W.	Weymouth	-	59	41	bc. b	b. bcg	9·5
	Torquay	-	57	46	b	b	10·3
	Paignton	-					
	Falmouth	-	55	44	bc b	b	13·0
	Penzance	-	61	46	bc	b	13·5
	Newquay	-	55	42	bc	b	13·0
	Ilfracombe	-	58	46	b	b	12·5
	Weston-super-Mare	-	62	40	. b	b	13·0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday. %	Humidity. 9 a.m. Today. %	Sunshine for Yesterday. Hr.	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Min. on Grass. °F.	Rainfall. mm.§	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-Day.						
Greenwich (Royal Obsy.)	57	68	5·2	61	37	24	-	0	c. bc b	b bm. o6
City (Bunhill Row)	*	*	5·2	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	59	72	5·0	60	41	37	-	bc	bc	bc b
Camden Sq. (Brit. Rainfall)	53	65	4·2	64	40	39	-	b	o. c. bc	*
Hampstead (Reservoir)	*	68	4·6	58	40	32	-	bc	c	cm
Richmond Park	*	*								
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	57	68	4·9							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1196 Joules	20·6 Milliwatts.	76 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall. mm.§	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Night Min. on Grass. °F.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday. Hr.
Dublin to 4 p.m.	-	61	43	41	b	bc	bc	
Darwen to 9 p.m.	. .	64	38	34	bc	bc	bc. o	9·6
Manchester ,,				*				
Birmingham ,,					*			
Oxford to 8 p.m.	.							*
Teignmouth to 9 ,,								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	.	60	47	46	c	o	o. c. bc	*

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

29th & 30th May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·41 / 3·40	11·50	7·59 / 8·0
Greenwich	3·53 / 3·52	11·57	8·1 / 8·2
Wick	3·22 / 3·20	12·9	8·57 / 8·58
Valencia	4·33 / 4·32	12·38	8·43 / 8·44

NOTES ON YESTERDAY'S WEATHER.

Over a large portion of the United Kingdom the thermometer failed to reach 60° and on the north coast of Kent it did not touch 55°. Rain fell in all the northern districts heavily at Glasgow.

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

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 150. { Sunday, 30th May 1915.

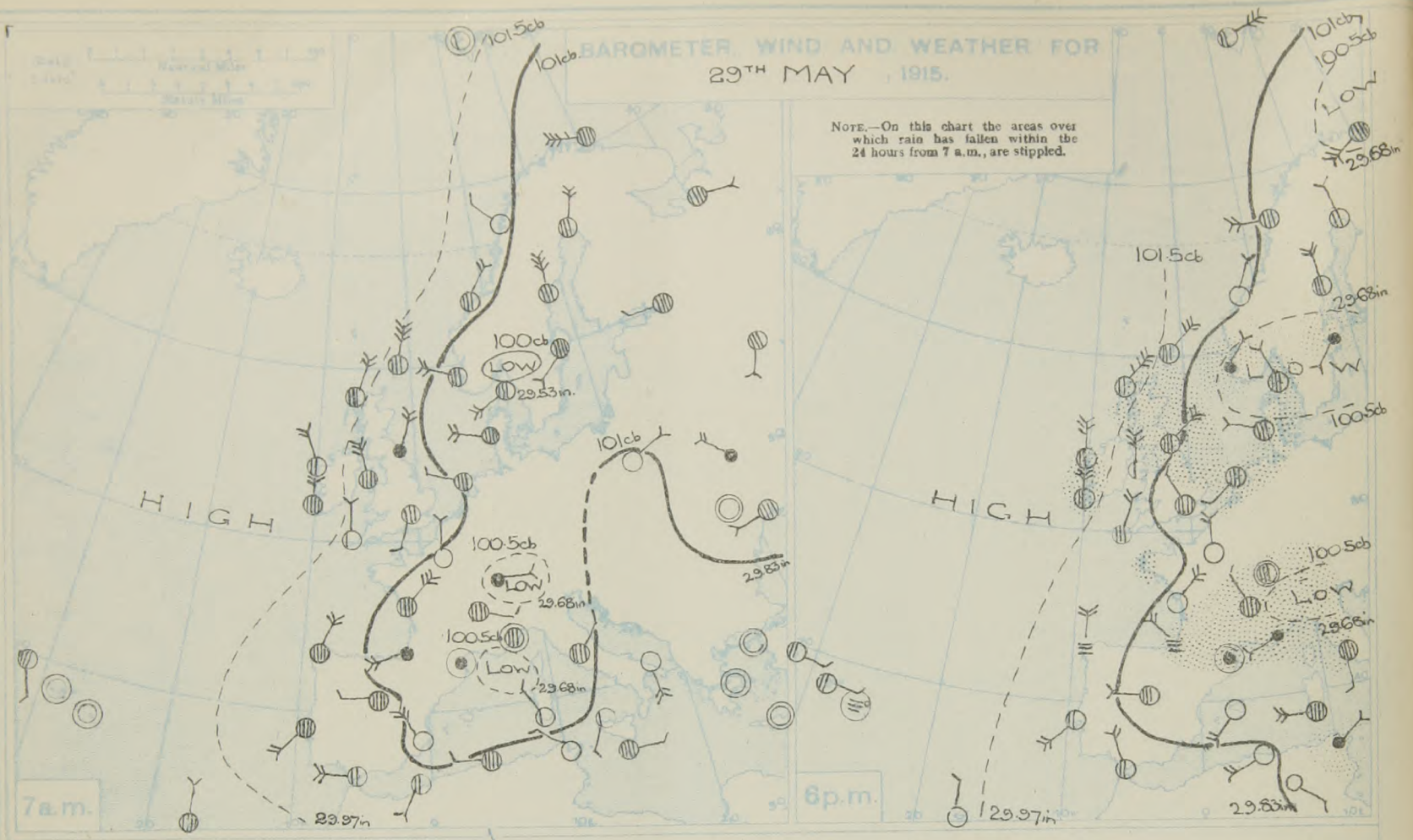
DATE.	STATIONS.	YESTERDAY EVENING. Baron. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea. 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1014·0	44	NE	5	c	1014·4	0	43		NNE	3	N	bc	3	–	46	38	cp	c	c	*
	Deerness ...	1014·2	44	N	5	c	1015·2	*	44	0	N	4	N	bc	3	Trace	49	39	cq	cq	cp.bc	7·0
	Stornoway ...	1017·6	46	NE	6	bcq	1018·7	+1	43	-1	NNW	3	–	o	3	?1	49	38	bcqp	bcqp	bc.op	8·5
	Castlebay (Barra Isd.)	1017·2	44	N	4	cp	1019·9	+1	43	-1	NW	3	NW	c	3	2	50	40	b.op.bc	bc.o.cp	cp.bc	9·9
	Glasgow ...	1013·3	47	NE	4	c	1018·7	+4	43	+4	WNW	1	NW	b	*	2	52	36	r.ohp.c	cp	c.bc.b	5·6
	Eskdalemuir ...	1012·3	44	NNE	4	bc	1018·0	+3	41	+4	NNW	3	N	bc	*	2	48	38	ohp	cqph	bc	3·9
	Malin Head ...	1015·0	48	NNE	5	bcq	1019·7	+2	46	+1	N	3	N	bc	4	–	49	42	bcq	bcq	bc	13·5
	Blacksod Point	1016·9	48	N	5	bc	1021·0	+4	44	-2	N	4	N	bcp	3	1	53	40	bcp	bcp	bcp	*
	Valencia ...	1016·1	51	N	4	bc	1020·5	+3	47	-3	NNE	4	NE	b	4	0·1	57	43	cohp	cp	c.bc.b	7·6
	Roche's Point	1014·8	54	N	3	c	1019·7	*	46	-5	NNE	3	–	b	2	–	59	41	c	c	c.b	*
	Birr Castle ...	1014·7	51	NW	3	c	1020·3	*	43	-6	N	1	–	b	*	–	55	36	c	c	c.b	6·3
	Donaghadee ...	1013·2	48	NE	4	bcq	1018·6	+3	49	+3	NE	2	–	bc	2	0·1	51	43	bcqp	bcq	bc	*
	Liverpool (Bidston)	1016·8	45	NNE	1	bc	1017·6	+3	43	-5	NNE	3	–	b	2	1	52	39	o.bc	bcp	b	2·1
	Holyhead ...	1012·6	50	N	5	b	1018·1	+4	48	+1	NE	4	–	b	3	–	51	45	o.bc.cp	c.bc.b	c.bc.b	9·4
	Pembroke (St. Ann's)	1012·7	48	NNE	3	c	1017·9	+4	45	-5	ENE	1	N	bc	1	–	55	41	cq	c	c	6·8
	Scilly (St. Mary's)	1012·8	52	NNE	3	c	1016·2	+2	50	-4	NE	3	N	c	4	–	59	47	bc.c	cp	c	8·7
	Falmouth ...	1012·0	53	N	4	bc	1015·6	+4	49	-4	NE	3	–	b	4	–	60	49	b.o.bc.o	c.bc	bc.c.b	10·0
	Jersey (St. Aubin)	1010·1	56	W	3	c	1014·0	*	50	-4	NE	4	NE	o	3	–	61	47	b	bc	c.o	12·2
	Portland Bill ...	1008·8	56	NW	4	bc	1014·6	+4	47	-8	NNE	4	NE	bc	3	–	58	41	b.bc	e.bc	b.bc	*
	Dungeness ...	1007·3	52	SW	3	o	1013·3	+2	48	-3	NNE	3	N	bc	3	–	55	41	bc	bc.o	o.c.bc	*
	Dover	1007·6	51	SW	3	o	1013·5	+6	50	-2	N	4	N	bc	3	0·3	56	42	b	b.bc.c.o	or.c.bc	9·5
	Wick	1014·3	44	NE	3	o	1016·4	+1	40	-4	NW	4	NW	o	4	2	47	37	op	gap	og.ohp	*
	Nairn	1014·8	46	NE	4	cu	1017·7	*	44	-1	N	1	–	bc	2	1	49	39	bcqp.c	bcu	c.bc	5·2
	Aberdeen ...	1013·2	43	N	4	c	1016·5	+2	42	-4	NW	4	–	cp	3	4	48	40	chqp	chqp	cp.bc	6·2
	Leith	1012·7	47	NE	3	c	1017·5	+2	46	+4	W	2	–	b	*	4	49	41	op	o.cp.c	c.o.c	*
	Tynemouth ...	1010·4	45	NE	4	c	1016·1	+3	43	-1	NNW	4	N	bcp	5	10	46	39	omr	omr	bcp	*
	Spurn Head ...	1009·4	49	N	6	5	1013·9	+3	45	-5	N	7	–	cq	6	5	53	40	or	org	org.c	0·0
	Yarmouth ...	1006·3	55	W	2	0	1013·4	+4	47	-2	NNW	3	NW	c	2	1	57	43	bc.c	c.o	or.c	7·2
	Clacton-on-Sea	1006·6	56	SW	1	oq	1013·5	+3	45	-5	WNW	3	–	b	1	–	56	39	b.bc.c.o	ogu	c.bc.b	8·3
	Nottingham ...	1008·9	46	NNE	3	o	1015·6	*	45	-5	N	4	N	b	*	Trace	53	38	cp	c.o	op	3·3
	Bath	1008·7	58	WNW	3	b	1016·6	*	47	-2	NE	4	NE	b	*	–	62	39	m.b.bc.c	c.bc.b	b.bc	8·9
	Sth Farnborough	1007·3	55	NNW	2	c	1015·1	+5	46	-1	NNE	3	–	b	*	–	61	38	b.bc.o	o c	c.bc.b	4·7
	London (Kew Obsy.)	1007·6	55	NNW	1	o	1015·2	+5	44	-2	NE	3	–	bv	*	–	60	40	cm.o.bc.bo	o	o.bm.bv	2·5
ICELAND, FAEROE, &c.	Spitsbergen ...	1014·9	30	E	6	bc	1014·7	0	27	+8	NE	4	*	b	*	*	30	1				
	Isafjord... ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1001·2	34	WSW	5	o	1000·6	0	37	+3	SW	4	–	bc	3	*	37	28				
	Bodö	1009·7	36	W	4	c	1008·7	0	37	0	W	4	–	c	2	–	37	32				
	Christiansund	1011·0	39	NE	2	b	1012·2	+1	41	+2	–	0	–	b	4	–	43	36				
	Skudesnaes ..	1009·1	46	NE	2	r	1007·8	+3	45	0	–	0	–	o	1	15	52	41				
	Færder (X'tania Fjord)	1003·0	45	NNE	6	o	1008·4	0	41	-4	NE	6	NW	c	2	6	45	37				
	The Scaw (Skagen)	1002·9	45	NNW	2	c	1007·1	+3	45	-7	NNE	3	NE	o	3	4	55	43				
	Blaavands Huk	1005·9	48	WNW	3	c	1006·6	+1	48	0	NW	1	–	o	1	Trace	52	45				
	Haparanda ...	1005·6	41	N	2	bc	1005·9	0	43	+4	WNW	2	–	b	*	–	46	30				
	Hernösand ...	1007·5	37	N	4	c	1008·8	+1	43	+7	–	0	–	b	*	–	43	30				
	Stockholm ...	1002·1	46	SW	2	r	1005·3	+3	41	-16	NE	2	–	m	*	11	59	39				
	Wisby	1002·3	54	SSW	4	c	1007·0	+3	50	-4	WSW	2	SW	bc	*	–	61	46				
	Karlstad	1001·1	41	ENE	4	r	1008·4	+4	37	-12	NNE	6	–	o	*	24	52	32				
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1007·1	52	WSW	1	c	1008·7	+6	48	-2	NW	5	–	bc	3	2	54	46				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1007·0	51	SW	4	c	1011·8	+4	48	-3	NNE	5	*	bc	3	–	59	46				
	La Hève	1008·2	52	NW	3	c	1011·5	*	48	0	NE	4	*	c	2	–	57	46				
	Ushant	1012·2	56	N	3	o	1015·1	*	50	-3	NE	3	*	b	3	–	64	46				
	Brest (St. Mathieu)	1012·7	58	NNW	4	b	1015·8	+2	52	+2	N	1	*	b	1	–	64	46				
	Rochefort (Ile d'Aix)												*		*							
	Biarritz	1009·9	59	NW	2	f	1012·8	+1	58	-1	NW	3	*	bc	2	16	59	55				
	Paris	1007·3	61	N	3	b	1011·9	+4	52	+2	–	0	–	o	*	–	64	43				
	Belfort	1005·1	59	–	0	c	1011·1	*	54	+4	W	4	*	m	*	10	63	50				
	Lyons	1005·3	62	NNW	1	o	1011·9	*	60	-1	N	2	*	b	*	3	72	53				
	Nice	1006·1	61	WSW	2	r	1007·5	+2	62	+2	WSW	2	*	b	2	2	72	55				
	Perpignan ...	1005·9	63	–	0	r	1011·1	+3	63	0	WNW	3	–	bc	*	16	77	57				
	Sanguinaire ...							*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1012·3	59	NNE	4	f	1014·1	+2	57	0	NE	4	–	o	1	–	63	57				
	Madrid (8 a.m.)	1007·9	68	W	2	c	1012·3	+3	59	+4	SW	1	–	c	*	–	68	55				
	Lisbon (9 a.m.)	1012·8	64	SW	4	bc	1013·1	+1	61	0	SW	1	–	o	2	–	68	59				
	Gibraltar							*					*									
	Rome	1009·5	66	S	1	o	1010·9	+4	63	-3	S	1	–	c	*	18	73	61				
	Malta (8 a.m.) ...	*	*	*	*	*	1013·3	+4	68	-2	SE	2	–	c	1	–	75	66				
	Azores (Horta, 8 a.m.)	1017·6	*	E	1	bc	1020·2	+2	61	-2	–	0	*	b	1	–	70	57				
	Madeira (Funchal)	1018·3	66	N	1	bc	1018·1	0	61	0	N	1	–	r	1	?	68	61				

RAINFALL.

Equivalents of Millimetres in Inches.

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

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



FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.

FORECAST DISTRICTS.

STORM WARNINGS.

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

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

No Warnings Issued.

Western Channel and Bay

0 (a, b), 1, 2 (a, b), 3 — Moderate or fresh North-Westerly winds; fair generally, but some local showers; remaining very cool.

4 (a, b), 5 — Moderate Northerly and North-Easterly winds; fair to-day, local showers to-morrow; remaining very cool.

6 (a, b) — Light or moderate Northerly and North-Westerly winds; fair generally, but some local showers; remaining very cool.

7 (a, b), 8 (a, b) — Moderate Northerly and North-Easterly winds; fair generally; very cool.

9 (a, b) — Same as No 6.

10 (a, b) — Same as Nos 7 and 8.

11 — Moderate Northerly (North-Easterly to North-Westerly) winds, and a moderate or slight sea; fair; cool.

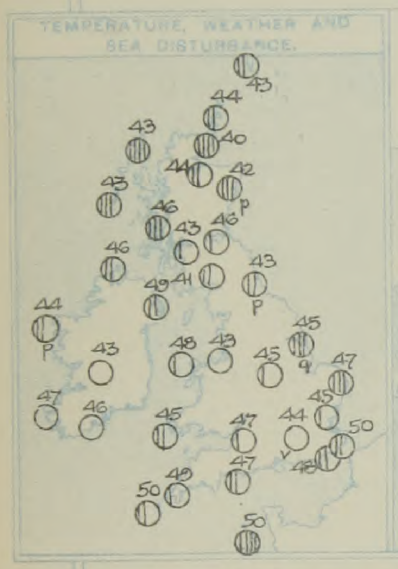
FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., SUNDAY, 30TH MAY, 1915.

GENERAL INFERENCE.

The general conditions will remain anticyclonic, but small shallow depressions passing down the North Sea will occasion local showers in our northern and eastern districts.



EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols:—
○ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. T, thunder. ⅋, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ~~~.

Normal Temperature of the Sea
Below 40° | 40°-50° | 50°-60° | Above 60°
Scale of Tints for MAY.

HIGH 29.97in 101·5cb 29.83in 29.68in LOW 35° 100·5cb 101cb Barometer steady. 101·5cb 102cb Barometer rising generally LOW 55° 45° HIGH 30·12in 65° 29.97in 29.83in

DAILY WEATHER REPORT. Sunday 30th May 1915.

REPORTS FOR YESTERDAY. 29th May

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change fr 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Haparanda	1005·6	43	NNE	6	b	1006·7	0	39	-4	NNE	4	-	c	*	1	46	30
Hernosand	1004·4	46	SW	2	b	1005·6	+3	36	-10	N	6	-	c	*	-	52	36
Stockholm	1005·2	50	SW	2	bc	1001·7	-1	57	+9	SW	2	-	c	*	-	57	46
Wisby	1008·4	50	WSW	2	b	1004·3	-2	54	+9	SW	2	SW	bc	*	-	55	43
Karlstad	1004·4	54	WSW	4	0	1000·7	-4	52	+2	NE	2	-	c	*	Trace	59	43
Lisbon	1013·0	64	W	4	bc	1013·1	+1	61	+2	SW	3	-	0	2	-	68	57
Rome	1011·1	68	SW	1	b	1009·3	+2	66	+3	NE	1	-	0	*	Trace	79	63
Malta	*	*	*	*	*	1011·3	+2	70	0	E	1	-	0	1	-	76	66
Horta						1017·2	0	63	+2	-	0	*	c	1	-	70	59

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

	STATIONS.	Rainfall.	Temperature. Max. °F.	Temperature. Min. °F.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m. Hr.
		mm.§					
Scotland.	Oban	-	55	42	b	b	8·5
	Banff						
	Carnoustie	4	50	40	o.r.p.k *	b.c.d.c *	4·5
	St. Andrews						
Eng., N.E.	Harrogate	9	46	41	o.r	o.r	0·0
	Skegness	-	59	41	o.g	o.g	1·4
Eng., N.W.	Morecambe	1	52	40	c.b.c.o	o.r.o	4·5
	Blackpool	1	52	43	b.c.c	o.p.c.o	3·5
	Southport						
Midlands.	Buxton	1	52	42	b.g.r	b.c	2·2
	Leamington Spa	-	58	47	c.b.c	c.b.c	6·1
	Malvern						
	Ross-on-Wye	-	62	38	b.c.o	c.b.c	7·1
Wales.	Rhyl	1	51	47	c.b.c	o.b.c.o	4·5
	Colwyn Bay						
	Llandudno						
	Aberystwyth	0·3	52	44	x.o.c	c.b.c	6·7
	Tenby	-	57	40	b	b	9·2
England, E.	Cromer	-	62	41	b.c.o.c	c.p	2·8
	Lowestoft						
	Felixstowe	-	56	38	b.c	o	9·1
	Walton-on-Naze	-	54	38	b.c.c	c.o.g.a	7·9
	Southend-on-Sea	-	58	41	b.b.c	b.b.c.o.c	6·3

	STATIONS.	Rainfall. mm.§	Temperature. Max. °F.	Temperature. Min. °F.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m. Hr.
England, S.E.	Tunbridge Wells	-	61	34	b.b.c	b.o	7·5
	Margate	-	59	46	b.c.b	b.b.c.c	5·2
	Ramsgate	-	55	42	c.b.c	c.o	7·3
	Hastings	-	55	41	b.c.b	b.b.c	10·0
	Bexhill-on-Sea	-	59	41	b	b.c.o	6·6
	Eastbourne	-	56	40	b.o	b.b.c.o	8·7
	Seaford	-	57	38	b	b.c.o	7·9
	Brighton	-	56	39	b.c	c	8·4
	Worthing	-	57	40	b	b.c	7·6
	Littlehampton	-	60	46	b.c	b.c.o	6·5
	Bognor	-	57	40	b.c.o.b.c	-w	7·5
	Southsea						
	Bournemouth	-	62	39	b.b.c	b.c	8·0
England, S.W.	Weymouth						
	Torquay	-	63	46	b.b.c	b.c.b	10·9
	Paignton						
	Falmouth	-	60	47	b.o.b.c.o	c.b.c	8·6
	Penzance	-	61	49	b.c	b.c	8·6
	Newquay	-	55	46	b.c	b.c.o.c.v	9·0
	Ilfracombe	-	57	47	b.b.c	b.c.b	10·0
	Weston-super-Mare						

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday. %	Humidity. 9 a.m. To-day. %	Sunshine for Yesterday. Hr.	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.§	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
Greenwich (Royal Obsy.)	69	63	3·4	63	40	33	-	b	c.o	c.o.b
City (Bunhill Row)	*	*	2·5	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	57	72	3·7	62	41	37	-	bc	bc	bc
Camden Sq. (Brit. Rainfall)	61	60	3·4	64	40	37	-	c.bc	c.o	*
Hampstead (Reservoir)	*	63	3·9	61	36	29	-	bc.o	bc	bc
Richmond Park	*	*	3·1							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	68	62	3·4							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1157 Joules	19·9 Milliwatts.	73 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall. mm.§	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Night Min. on Grass. °F.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday. Hr.
Dublin to 4 p.m.	-	55	48	47	o	p.bc	bc	*
Darwen to 9 p.m.	2	54	39	45	o.r.bc	o.r.bc	o.r.c	1·8
Manchester "	1	56	43	*	o.r.c	o.d.p.o	o.c.k.o	1·6
Birmingham "	-	57	44	40	*	c.o	o.c	5·2
Oxford to 8 p.m.	*	60	46	38	b.g.cg	g.o	o.c	*
Teignmouth to 9 "								
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	-	61	44	35	bc.b	bc.c	c.o	*

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

30th & 31st May 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·40 / 3·39	11·50	8·0 / 8·1
Greenwich	3·52 / 3·51	11·57	8·2 / 8·3
Wick	3·20 / 3·19	12·9	8·58 / 8·59
Valencia	4·32 / 4·31	12·38	8·44 / 8·45

NOTES ON YESTERDAY'S WEATHER.

The maximum temperatures recorded were generally low for the time of year; at many stations in North Britain the thermometer did not reach 50°. Slight rain fell in many parts of our northern and eastern districts.

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

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.

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

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 151. Monday, 31st May 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars 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.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday.
BRITISH ISLANDS.	Lerwick ...	1015·6	°F 45	SW	3	bc	1010·6	‡-2	°F 47	°F +4	SW	4	–	om	3	4	°F 47	°F 39	cp	bc	omp	Hours. *
	Deerness ...	1016·2	47	WSW	4	o	1012·2	*	49	+5	SW	5	–	o	4	3	49	44	bc.c	c.o	or,op.o	8·4
	Stornoway ...	1017·3	48	WSW	6	oqp	1013·5	-2	48	+5	WSW	6	–	cq	5	2	51	43	o.c	c.oqp	or.cpq	2·5
	Castlebay (Barra Isd.)	1020·0	48	W	4	op	1017·1	0	49	+6	SW	4	–	o	4	3	50	43	c.o	op	opq.op	3·2
	Glasgow ...	1019·6	48	W	4	c	1019·9	-1	48	+5	WSW	4	–	o	*	–	55	43	bo.bc	bc.b.bc	c.o	12·2
	Eskdalemuir ...	1019·0	50	WNW	5	bc	1020·9	0	44	+3	SSW	3	–	o	*	–	54	39	bc.c	c.bc	bc.c.o	8·5
	Malin Head ...	1022·1	49	NW	4	bc	1020·8	-1	49	+3	WSW	5	W	cq	5	–	54	43	cop	bcv	cq	8·0
	Blacksod Point	1023·8	50	N	2	bc	1023·2	-1	47	+3	WSW	3	W	bc	2	–	51	44	bc	bc	bc.b.c	*
	Valencia ...	1023·8	53	NNW	4	bv	1024·8	0	45	-2	–	0	NW	o	3	–	56	39	bcv	bcv	b.bc.c.o	15·1
	Roche's Point	1023·5	54	SW	3	c	1025·2	*	48	+2	N	2	–	b	2	–	56	44	bc	bc.cq	bc.b	*
	Birr Castle ...	1022·9	56	N	2	bc	1026·0	*	46	+3	N	1	–	b	*	–	60	34	bc	bc	b	9·4
	Donaghadee ...	1021·1	48	N	4	bc	1021·8	0	49	0	WSW	3	W	bcm	2	–	52	44	–	bc	cqm.bc	*
	Liverpool (Bidston)	1021·3	50	NW	3	b	1023·0	0	48	+5	W	2	–	b	2	*	54	43	b	b	bc	14·1
	Holyhead ...	1022·1	52	NE	3	bz	1023·4	0	47	-1	–	0	–	oz	0	–	54	43	bc.c.b	bcp.z	b.bc.c.o	13·3
	Pembroke (St. Ann's)	1022·2	50	N	2	b	1024·4	0	49	+4	–	0	–	bcw	0	Trace	53	42	bc	bcq	b	8·7
	Scilly (St. Mary's)	1020·9	52	NNE	4	b	1023·3	0	52	+2	NNE	2	NE	b	3	–	55	48	bc	b	c.bc	14·6
	Falmouth ...	1020·4	54	N	4	bc	1023·3	+2	50	+1	N	2	–	b	3	–	54	41	b.bc.b	bc.b	b	11·4
	Jersey (St. Aubin)	1018·0	54	NE	3	o	1021·7	*	51	+1	NE	5	–	b	4	–	55	46	bc	c.o	o.b	4·3
	Portland Bill ...	1019·0	54	NE	3	b	1023·1	+2	50	+3	NE	2	–	b	2	–	56	43	bc	bc	bc.c.b	*
	Dungeness ...	1019·1	52	E	3	c	1022·9	+2	50	+2	NNE	2	–	b	2	–	54	35	bc.c	c.bc.c	c.bc.b	*
	Dover	1019·8	48	NE	3	b	1023·6	+1	53	+3	N	3	–	b	3	–	56	36	bc.c	c.bc.b	b	9·3
	Wick	1017·2	46	S	3	o	1013·6	0	48	+8	SW	3	W	o	3	2	50	39	opc	c.om	opdm	*
	Nairn	1017·3	52	NNW	2	c	1015·8	*	50	+6	NW	1	–	cq	2	2	56	41	bcp.c	bc.oq	op.c	5·8
	Aberdeen ...	1018·4	44	SSE	3	b	1017·2	0	48	+6	SW	2	–	orm	3	1	54	42	cp.bc	bc.b	b.orm	10·2
	Leith	1017·0	56	NNW	2	bc	1019·1	0	49	+3	WSW	3	–	oz	*	–	57	45	b.bc	c.bc	c.o	*
	Tynemouth ...	1019·6	49	ESE	1	bc	1020·3	+2	48	+5	W	3	–	b	3	–	51	40	c	c	b	*
	Spurn Head ...	1020·1	51	NNE	4	bc	1022·8	0	50	+5	NNW	4	–	bc	4	–	54	42	bcz	bc	bc	8·9
	Yarmouth ...	1019·8	50	N	2	bc	1023·2	+3	45	-2	W	2	–	b	1	–	56	39	c.bc	bc	bc.b	6·0
	Clacton-on-Sea	1019·5	52	ENE	2	c	1023·0	+1	49	+4	WNW	2	–	b	1	–	55	39	b.bc.c	c	c.bc.b	7·3
	Nottingham ...	1020·2	52	NE	1	o	1022·9	*	45	0	W	1	–	bm	*	–	54	36	b.c.o	c.o	o.c	6·4
	Bath	1020·3	52	NE	1	o	1024·0	*	45	-2	ENE	1	–	m	*	–	55	32	b.bc.c.o	o.c	o.bc.bm	4·6
	Sth Farnborough	1019·6	52	N	2	bc	1023·2	+2	43	-3	–	0	–	bzw	*	–	53	31	b.bc.c	b.bc	bc.b	6·8
	London (Kew Obsy.)	1020·0	53	NNE	2	o	1024·2	+1	44	0	W	1	–	bz	*	–	54	39	bv.b.o	o.c.o	o.bc.bz	5·9
ICELAND, FAEROE, &c.	Spitsbergen ...	1012·7	28	E	2	c	1011·0	-2	24	0	*	0	*	c	*	*	28	21				
	Isafjord												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1002·3	34	WSW	1	bc	1002·7	+1	39	+2	W	5	–	bc	2	*	39	30				
	Bodö	1012·0	39	W	4	c	1013·5	+1	41	+4	SSW	4	–	o	2	–	41	36				
	Christiansund	1013·5	45	NE	2	b	1013·1	0	45	+4	–	0	–	b	3	–	45	39				
	Skudesnaes ..	1014·3	45	W	3	c	1014·0	+1	46	+1	–	0	–	b	1	–	48	37				
	Færder (X'ianla Fjord)	1012·2	48	NNE	4	c	1015·8	?	46	+5	NE	1	–	b	1	–	48	41				
	The Scaw (Skagen)	1010·7	48	NE	3	b	1015·7	+4	48	+3	NNE	4	–	b	4	–	50	43				
	Blaavands Huk	1010·6	54	NNW	2	c	1018·0	+4	48	0	NNW	3	–	c	3	5	54	39				
	Haparanda ...	1004·0	39	SW	4	c	1012·8	+2	45	+2	WNW	2		b	*	–	46	32				
	Hernösand ...	1011·5	45	SSW	2	bc	1015·0	0	48	+5	NNE	4	NW	b	*	–	50	43				
	Stockholm ...	1010·7	45	ENE	2	b	1012·6	0	46	+5	N	4	–	b	*	–	46	36				
	Wisby	1009·6	54	E	2	b	1010·9	0	43	-7	NE	4	–	r	*	b	54	41				
	Karlstad	1012·2	48	NNE	2	bc	1015·3	+3	46	+9	NNE	2	–	b	*	–	46	34				
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1016·7	48	NW	5	c	1021·9	+3	48	0	NW	3	–	c	2	–	50	46				
	Brussels	x	x	x	x	x									*							
	C. Gris Nez ...	1019·0	50	NE	4	b	1022·3	+2	52	+4	NNE	3	*	b	2	–	54	43				
	La Hève	1016·8	50	NNE	4	o	1021·9	*	45	-3	ENE	3	*	b	3	–	54	43				
	Ushant	1019·1	50	NE	4	b	1021·2	*	52	+2	NE	6	*	b	3	–	55	48				
	Brest (St. Mathieu)	1020·7	59	NNE	4	b	1021·5	-1	50	-2	NE	3	*	c	1	–	64	46				
	Rochefort (Ile d'Aix)	1014·0	59	NW	4	c	1013·7	0	55	-	E	4	*	o	*	–	66	54				
	Biarritz	1013·7	60	NNW	2	o	1013·9	+1	53	-5	N	1	*	r	2	4	66	52				
	Paris	1016·0	57	NE	2	o	1021·0	+1	48	-4	NNE	3	W	b	*	–	63	41				
	Belfort	1014·0	62	W	4	b	1018·9	*	48	-6	E	6	*	c	*	–	66	45				
	Lyons	1002·9	63	ENE	2	bc	1014·1	*	54	-6	N	1	*	b	*	–	70	50				
	Nice												*									
	Perpignan ...	1012·2	63	WSW	2	o	1011·8	+1	63	0	W	2	SW	o	*	Trace	77	57				
	Sanguinaire ...		66	SW	3	m		*	68		E	1	*	bc	3	–	75	64				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1014·4	61	NNE	5	o	1014·1	+2	57	0	NNE	6	–	bc	2	–	63	55				
	Madrid (8 a.m.)	1008·8	70	W	2	bc	1010·7	+2	59	0	S	6	–	o	*	–	73	54				
	Lisbon (9 a.m.)	1013·3	66	W	4	c	1012·2	0	59	-2	W	2	–	o	2	–	68	57				
	Gibraltar	1013·5	64	W	4	bc	1012·8	*	63	-9	NW	5	*	b	2		73	61				
	Rome														*							
	Malta (8 a.m.) ...	*	*	*	*	*	1011·5	-1	68	0	ENE	4	W	c	2	1	75	64				
	Azores (Horta, 8 a.m.)														*							
	Madeira (Funchal)	1016·7	66	–	–	bc	1018·0	0	61	0	N	2	–	bc	2	–	79	61				

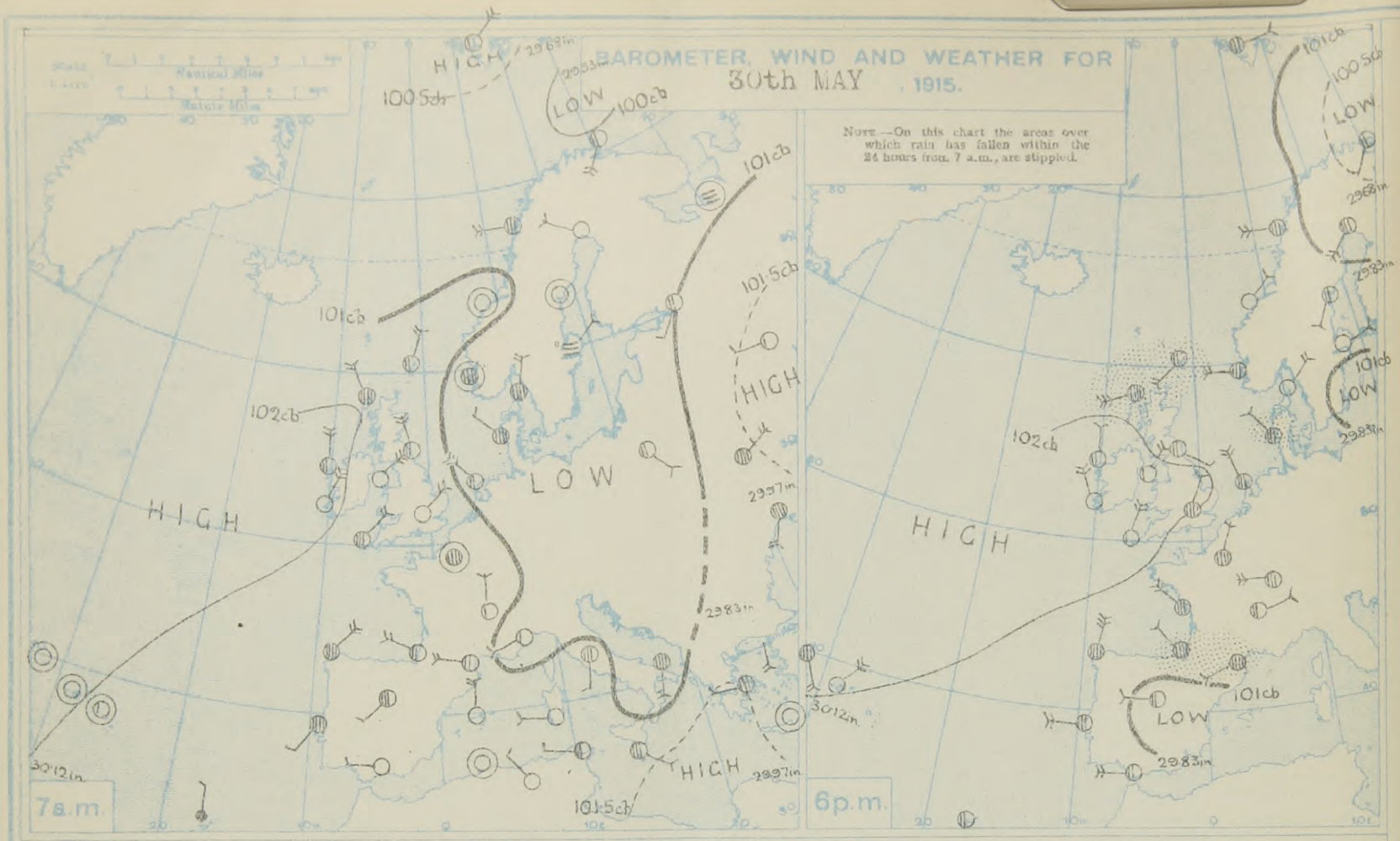
RAINFALL.

Equivalents of Millimetres. in Inches.

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

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

BAROMETER, WIND AND WEATHER FOR 30th MAY 1915.



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.

STORM WARNINGS.

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

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

NO WARNINGS ISSUED.

Western Channel and Bay

0 {a b} 1 — Westerly and South-Westerly winds, light to fresh or strong; mostly overcast, occasional rain; warmer.

2 {a b} 3 — Wind mainly Westerly to South-Westerly, light; fine generally; warmer.

4 {a b} 5 — Wind becoming Westerly generally, force light; fair or bright; warmer.

6 {a b} — Same as Nos. 0 & 1.

7 {a b} 8 {a b} — Wind becoming Westerly generally, light; mostly fair or bright; warmer.

9 {a b} — Westerly and South-Westerly winds, moderate or fresh; some showers; warmer.

10 {a b} — Westerly and South-Westerly winds, light or moderate; fair to showery; warmer.

11 — Wind shifting to the Westward, light or moderate; sea slight. Fair or bright.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

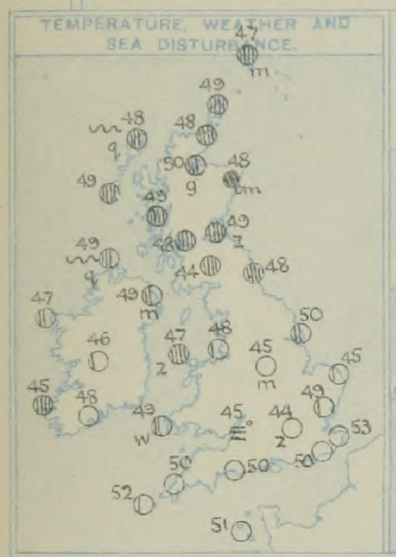
Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., MONDAY, 31st MAY, 1915.

GENERAL INFERENCE.

The northern depression will continue to extend over these islands and the wind will become Westerly over England. Temperature will rise generally.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



EXPLANATION.

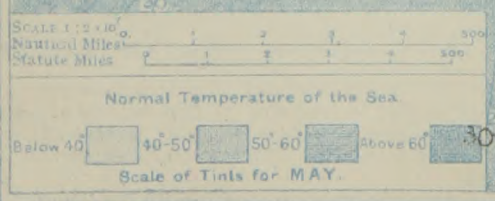
BAROMETER.—Isobars are drawn for intervals of five millibars.

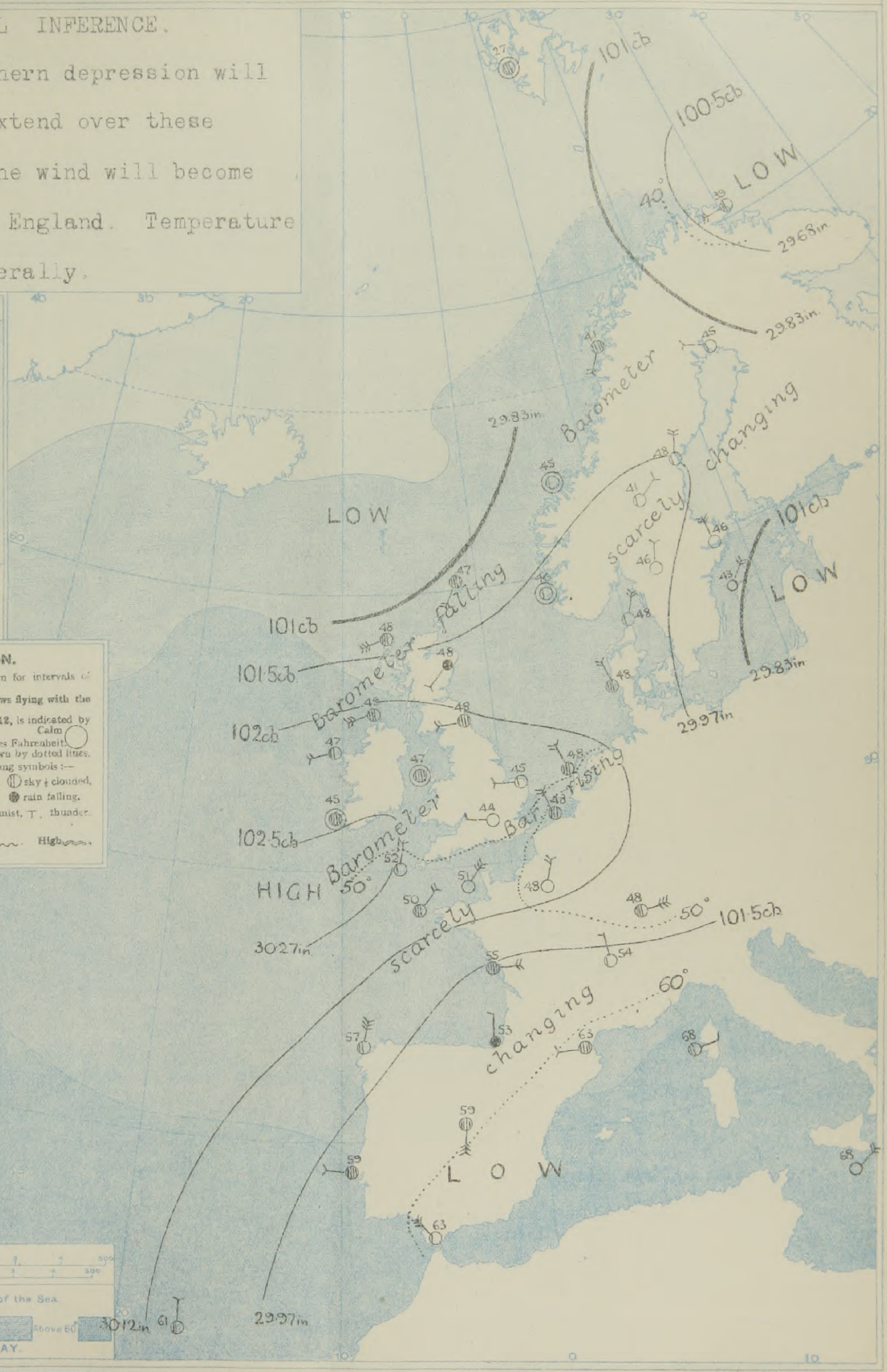
WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers. Calm ◯
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—
◯ clear sky. ◐ sky ½ clouded. ◍ sky ¾ clouded, ◍ sky ¾ clouded. ⊗ overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder. ⊼ thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ~~~.

Inches
31
30
29





DAILY WEATHER REPORT. Monday, 31st May 1915.

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

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.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
		Eskdalemuir 24th 11pm		Eskdalemuir 25th 8am		S. Farnborough 25th 9.45am		Eskdalemuir 25th 1pm		S. Farnborough 26th 7.18am		S. Farnborough 26th 11.50am		S. Farnborough 27th 7.16am		S. Farnborough 27th 11.35am		Eskdalemuir 27th 1pm		S. Farnborough 29th 7am	
Heights in Kilometres.	6											+6	+7								
	5											+1	+6								
	4											+3	+2	+1	-2						
	3			-4	+5	-4	+2			0	+1	+1	-1	0	-5	+1	-3				
	2	-7	-3	0	+6	-12	+7	0	+5	-2	+1	-2	0	-4	-3	-4	-3	+2	+1	+2	-5
	1	-9	+2	-3	+4	-10	+2	0	+1	-4	0	-6	0	-12	-9	-7	-6	-2	+1	+3	-2
	.5	-4	-2	-3	-2	-7	-2	0	+2	-8	-4	-5	-4	-6	-8	-4	-4	-7	-2	+2	-2
	0	-4	-3	-4	-2	-2	-3	0	+1	-2	-2	-5	-5	-2	-8	-	-	-	-	0	+1

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

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	52	39	bc	c.o	7.0
	Banff	0.3	49	42	c.bc	b.bc.o	7.6
	Carnoustie	–	54	36	o.c	c.b	8.3
	St. Andrews				*	*	
Eng., N.E.	Harrogate	0.3	54	35	c.bc	bc.c	6.8
	Skegness	1	52	38	o.bc	bc.b	8.8
Eng., N.W.	Morecambe						
	Blackpool	1	53	35	b.bc	b	12.7
	Southport	0.3	52	37	b.bc.c	b	13.3
Midlands.	Buxton	1	52	35	bc	bc	7.3
	Leamington Spa	–	55	37	bc.c	bc.c	7.3
	Malvern	–	54	38	c	c	6.0
	Ross-on-Wye	–	55	35	bc.o	c	6.4
Wales.	Rhyl	3	52	42	b	b	13.2
	Colwyn Bay	–	53	43	bc	bc	12.8
	Llandudno	–	56	45	b	b	12.0
	Aberystwyth	–	54	36	o.c	c.bc	9.5
	Tenby						
England, E.	Cromer	1	54	43	o.c.bc	bc	6.9
	Lowestoft	–	53	42	c	cp	5.6
	Felixstowe	–	51	40	bc	bc	8.1
	Walton-on-Naze	–	53	40	bc.c	c.bc	6.3
	Southend-on-Sea	–	55	40	b.bc	c.bcw	5.5

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Tunbridge Wells	–	55	39	b.bc	bc.o.bc	7.1
	Margate	0.3	52	45	b	b	9.0
	Ramsgate						
	Hastings	1	56	41	bp.b.bc	b.bc	7.1
	Bexhill-on-Sea	1	60	42	bc.o	o.c	4.3
	Eastbourne	0.3	56	42	b.bc	bc	6.9
	Seaford						
	Brighton	3	59	42	c	c	8.0
	Worthing	0.3	56	42	bc	bc	7.0
	Littlehampton	–	58	46	bc	bc.o	7.5
	Bognor	–	56	40	b.bc	bc.c	7.7
	Southsea						
	Bournemouth	–	54	38	b	bc.c	7.6
England, S.W.	Weymouth	–	59	40	bcgb	b.bcg	10.4
	Torquay	–	56	40	bc.b	c.bc	9.8
	Paignton						
	Falmouth	–	57	41	b.bc.b	bc.b	10.0
	Penzance						
	Newquay	–	52	47	bc	bc	13.0
	Ilfracombe	–	57	46	b	bc.b	10.8
	Weston-super-Mare		55	42	b	b.c.bc	7.5

LONDON OBSERVATIONS.

STATIONS.	Humidity. 9 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	61	63	6.1	56	34	20	-	c	c.bc	b.
City (Bunhill Row)	*	*	6.1	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	65	66	5.7	56	37	38	-	a.bc	bc	a.bc.b
Camden Sq. (Brit. Rainfall)	-	55	4.3	59	37	36	-	-	-	*
Hampstead (Reservoir)	*	58	6.6	53	40	23	-	c	bc	bcx.bc
Richmond Park	*	*	6.6							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	54	59	6.0	1584 Joules		27.2 Milliwatts.		81 Milliwatts.		

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	57	39	36	b	bc	bc	*
Darwen to 9 p.m.								
Manchester ,,				*				
Birmingham ,,	–	54	36	30	*	c	o	5.5
Oxford to 8 p.m.	*	55	38	34	o.c	c.o	c.b	*
Teignmouth to 9 ,,								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	-	56	40	35	o.bc	bc.c.o	o.c	*

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

31st May-1st June 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.39 / 3.38	11.50 / 11.51	8.1 / 8.4
Greenwich	3.51 / 3.51	11.57 / 11.58	8.3 / 8.5
Wick	3.19 / 3.17	12.9 / 12.10	8.59 / 9.2
Valencia	4.31 / 4.29	12.38 / 12.39	8.46 / 8.48

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 55° in several parts of the United Kingdom all day, and fell to a low figure at night. At South Farnborough the minimum was 31°, and at Bath 32°. Bright sunshine was more prevalent in the West than in the East. At Valencia the duration was 15.1 hours.

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

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§ 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.

MAY, 1915.

Corrections and additions for the month of May are given on this sheet for stations in the British Isles, Scandinavia, Holland, France and "Southern Europe." The data for stations in Iceland 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.

ADDITIONS AND CORRECTIONS TO THE

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.								PAST 24 HOURS.						Sunshine for Yesterday.
		Barom. Millibars at M.S.L.	Temp.	Wind.		Weather.	Barometer.		Temp.		Wind.		Direc. of Uppet Cloud.	Weather.	Sea 0-9.	Rainfall. Millimetres.	Temp.		Weather.			
				Direc.	Force 0-12.		Millibars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
			°F.						°F.	°F.							°F.	°F.				Hours.
1	Ushant	1015·0	50	SSW	3	c	1014·6	*	50	+2	SSW	3	*	c	3	-	52	46	.	.	.	.
	Belfort	1017·2	63	W	4	c	1020·0	*	54	-1	W	2	*	m	*	?	73	47	.	.	.	.
	Lyons	1019·5	55	WNW	4	bc	1020·2	*	51	-4	ESE	1	*	b	*	2	73	45	.	.	.	.
	Madrid	1013·6	70	SE	1	c	1016·8	+1	57	0	ENE	2	-	b	*	-	70	50	.	.	.	.
2	Rochefort	1013·1	63	NW	3	bc	1012·3	*	57	+2	SSE	3	*	b	*	-	81	55	.	.	.	.
	Belfort	1016·4	64	-	0	b	1016·6	*	59	+5	-	0	*	c	*	-	72	48	.	.	.	.
	Madrid	1010·4	73	SE	2	bc	1015·4	+1	55	-2	SE	1	*	b	*	-	73	50	.	.	.	.
3	Ushant	1013·7	52	N	3	c	1012·6	*	51	+1	E	4	*	c	3	-	55	46	.	.	.	.
	Belfort	1013·7	64	W	5	b	1019·8	*	51	-8	E	4	*	c	*	-	72	50	.	.	.	.
	Lyons	1014·4	64	SSE	6	b	1017·1	*	56	+1	SSW	2	*	b	*	-	70	46	.	.	.	.
	Madrid	1011·4	68	WSW	2	c	1017·8	+2	55	0	WSW	1	*	m	*	-	72	50	.	.	.	.
	Rome	1020·3	59	W	1	b	1020·4	*	52	+2	N	1	*	b	*	-	68	50	.	.	.	.
4	Belfort	1017·2	55	ENE	6	m	1019·4	*	52	+1	-	0	*	c	*	3	65	49	.	.	.	.
5	Belfort	1017·9	57	ENE	4	c	1018·1	*	59	+7	E	3	*	m	*	20	64	52	.	.	.	.
	Nice	1020·2	58	-	0	c	1018·6	*	61	+4	-	0	*	c	2	-	66	54	.	.	.	.
	Madrid	1013·0	66	W	2	c	1013·9	+1	57	-1	S	1	*	m	*	2	68	54	.	.	.	.
6	Brest	1014·3	54	N	2	c	1014·4	*	55	+1	ENE	3	*	c	3	2	63	52	.	.	.	.
	Rochefort	1011·1	68	E	2	c	1012·6	*	59	0	SE	3	*	c	*	-	77	57	.	.	.	.
	Paris	1012·8	63	ENE	1	c	1014·3	*	59	+2	SE	1	*	c	*	4	70	55	.	.	.	.
	Belfort	1017·1	56	-	0	c	1019·1	*	55	-4	-	0	*	r	*	7	59	53	.	.	.	.
	Horta	1012·4	59	WNW	3	c	1013·3	*	59	-1	NW	4	*	bc	1	1	66	59	.	.	.	.
7	Hapsaranda	1014·4	39	SW	4	bc	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Ushant	1012·2	52	NE	3	c	1012·2	*	54	+2	ENE	3	*	b	3	-	66	48	.	.	.	.
	Belfort	1016·7	66	WSW	2	c	1019·1	*	57	+2	-	0	*	r	*	1	72	65	.	.	.	.
	Lyons	1016·6	65	SSW	2	c	1017·5	*	58	-2	SSE	1	*	c	*	5	72	55	.	.	.	.
	Madrid	1010·9	61	NNE	1	c	1012·8	+1	57	+2	SSE	1	*	cr	*	10	66	55	.	.	.	.
8	Petrograd	1021·0	45	WSW	2	b	1024·8	*	41	-5	S	2	*	b	*	-	64	43	.	.	.	.
	Belfort	1017·0	64	E	2	c	1018·1	*	60	+3	E	2	*	c	*	2	68	55	.	.	.	.
9	Ushant	1017·5	54	NE	3	m	1019·5	*	54	0	ENE	5	*	m	3	1	55	48	.	.	.	.
	Belfort	1017·1	63	E	3	c	1018·3	*	59	-1	ENE	6	*	m	*	?	73	55	.	.	.	.
	Madrid	1009·9	66	WSW	1	m	1010·7	+1	57	+3	NNE	3	*	D	*	3	70	52	.	.	.	.
10	Ushant	1024·4	57	ENE	5	c	1024·8	*	48	-6	ENE	5	*	D	4	-	54	43	.	.	.	.
	Belfort	1018·1	65	ENE	5	m	1018·6	*	54	-5	ENE	6	*	m	*	-	68	49	.	.	.	.
11	Petrograd	1022·6	43	N	3	bc	1018·1	*	42	+2	N	2	*	b	*	-	*	*	.	.	.	.
	Biarritz	1014·3	58	NE	4	b	1014·0	*	57	-3	W	4	*	r	4	5	59	55	.	.	.	.
	Paris	1016·4	68	NE	2	b	1015·3	*	54	0	NNE	2	*	b	*	-	72	46	.	.	.	.
	Belfort	1014·7	61	E	4	m	1014·4	*	48	-6	ENE	4	*	c	*	-	66	47	.	.	.	.
	Lyons	1012·7	65	NNW	2	c	1012·8	*	57	+1	-	0	*	c	*	44	68	53	.	.	.	.
	Madrid	1011·5	64	NE	1	c	1013·0	+2	57	0	NNE	1	*	c	*	-	66	54	.	.	.	.
	Rome	1015·0	64	N	1	r	1008·4	+1	68	+4	N	1	*	b	*	1	*	*	.	.	.	.
12	Petrograd	1013·2	42	NW	1	b	1013·1	*	46	+4	WSW	2	*	b	*	2	*	*	.	.	.	.
	Belfort	1010·6	59	-	0	b	1009·9	*	54	+6	-	0	*	c	4	2	68	53	.	.	.	.
13	Petrograd	1011·0	51	NE	1	b	1011·3	*	52	+6	SSE	2	*	c	*	-	*	*	.	.	.	.
	Belfort	1007·9	59	ENE	2	c	1011·9	*	54	0	W	2	*	m	*	1	68	44	.	.	.	.
	Madrid	1009·0	72	SW	1	bc	1013·9	+3	61	+3	-	0	*	bc	*	-	75	50	.	.	.	.
14	Petrograd	1009·1	57	SSE	3	bc	1009·1	*	55	+3	S	2	*	c	*	-	*	*	.	.	.	.
	Ushant	1000·2	55	SW	5	r	1014·6	*	49	-5	N	5	*	c	4	-	55	46	.	.	.	.
	Belfort	1011·3	64	WSW	2	c	1012·3	*	54	0	W	2	*	c	*	3	70	52	.	.	.	.
15	Petrograd	1011·5	31	E	3	c	1010·3	*	60	+5	SE	4	*	b	*	-	*	*	.	.	.	.
	Ushant	1023·1	50	N	2	c	1021·1	*	50	+1	SE	2	*	c	1	-	57	45	.	.	.	.
	Paris	1021·9	46	N	3	c	1024·8	*	45	-12	NE	1	*	b	*	1	61	36	.	.	.	.
	Belfort	1017·9	52	WSW	7	c	1023·5	*	45	-9	ENE	4	*	c	*	1	64	42	.	.	.	.
	Lyons	1019·0	63	NNW	4	bc	1023·5	*	51	-6	N	2	*	bc	*	-	72	45	.	.	.	.
	Nice	1012·8	63	SW	2	c	1015·5	*	59	0	-	0	*	c	2	-	72	54	.	.	.	.
	Madrid	1015·0	77	S	1	b	1018·7	+1	64	+1	ENE	1	*	b	*	-	79	55	.	.	.	.
	Lisbon	?	?	?	?	?	1018·3	*	63	+2	NNW	4	*	b	5	-	78	57	.	.	.	.
16	Belfort	1020·6	52	ENE	4	b	1020·6	*	46	+1	E	2	*	c	*	-	61	37	.	.	.	.
	Madrid	1018·1	61	W	2	c	1017·2	c	61	-3	-	0	*	c	*	6	64	55	.	.	.	.
17	Stockholm	.	.	.	.	.	997·7	*	45	+6	WSW	4	*	c	*	-	50	34	.	.	.	.
	Petrograd	1010·3	42	SSW	3	c	1008·3	*	41	-5	S	4	*	c	*	-	*	*	.	.	.	.
	Ushant	1008·4	51	SW	5	c	1001·1	*	54	0	S	3	*	c	5	3	56	48	.	.	.	.
	Belfort	1015·5	66	W	2	c	1012·2	*	54	+8	?	2	*	r	*	?	71	46	.	.	.	.
	Lyons	1017·1	59	NW	3	r	1010·3	*	61	+7	SSW	3	*	r	*	6	73	54	.	.	.	.

REPORTS FOR MAY, 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.						°F.	°F.							°F.	°F.				Hours.
	Madrid	1011·1	78	W	1	bc	1013·2	+1	55	−6	SW	1	*	m	*	–	75	52	.	.	.	.
18.	Petrograd	1005·6	40	S	4	c	1004·6	*	41	0	SW	3	*	c	*	4	*	*	.	.	.	.
	Belfort	1007·4	59	–	0	r	1007·0	*	54	0	WSW	4	*	c	*	10	66	52	.	.	.	.
19.	Petrograd	1010·4	45	W	4	b	1015·7	*	45	+4	W	3	*	b	*	1	*	*	.	.	.	.
	Belfort	1007·9	58	–	0	r	1013·3	*	50	−4	WSW	5	*	c	*	2	65	48	.	.	.	.
20.	The Scaw	1023·3	52	NE	1	bc	1027·1	*	50	+2	SE	2	*	b	2	–	59	46	.	.	.	.
	Petrograd	1010·4	63	SE	1	c	1010·4	*	55	+10	N	1	*	c	*	1	72	45	.	.	.	.
	Belfort	1019·5	48	W	4	r	1020·8	*	48	−2	W	2	*	f	*	3	57	46	.	.	.	.
21.	Petrograd	1028·7	48	NW	2	b	1029·1	*	46	−9	SE	1	*	m	*	–	54	37	.	.	.	.
	Ushant	1015·5	56	SSW	4	c	1014·9	*	55	0	SSW	3	*	c	6	–	61	50	.	.	.	.
22.	Petrograd	1028·6	50	NW	3	b	1026·4	*	45	−1	NNE	4	*	b	*	–	*	*	.	.	.	.
	Belfort	1014·3	63	ENE	4	m	1016·4	*	56	+4	–	0	*	f	*	–	66	52	.	.	.	.
23.	Spitsbergen	1019·8	27	–	0	b	1018·1	*	28	0	E	4	*	b	*	*	*	*	.	.	.	.
	Vardö	1023·4	34	NW	4	c	1022·1	*	36	+2	WSW	2	*	s	3	*	*	*	.	.	.	.
	Petrograd	1028·6	46	NE	1	b	1029·2	*	48	+3	–	0	*	b	*	–	50	37	.	.	.	.
	Belfort	1013·7	70	ENE	3	m	1015·7	*	64	+8	E	4	*	m	*	–	76	55	.	.	.	.
24.	Petrograd	1023·8	50	WNW	1	b	1022·3	*	46	−2	NW	1	*	c	*	–	57	46	.	.	.	.
	Belfort	1014·3	69	ENE	4	m	1017·2	*	61	−3	E	4	*	m	*	–	73	59	.	.	.	.
	Nice	1012·2	64	–	0	bc	1013·6	*	66	+5	–	0	*	b	2	–	73	57	.	.	.	.
25.	Petrograd	1004·8	50	NW	3	c	1013·7	*	52	+6	WNW	4	*	c	*	1	57	46	.	.	.	.
26.	Petrograd	1016·3	54	WNW	3	c	1011·9	*	50	−2	WNW	2	*	r	*	–	59	48	.	.	.	.
27.	Petrograd	1011·1	50	W	3	c	1012·0	*	49	−1	W	2	*	c	*	–	*	*	.	.	.	.
28.	Petrograd.	1011·7	50	W	2	b	1010·4	*	51	+2	S	1	*	bc	*	–	57	43	.	.	.	.
29.	Dover	.	.	.	.	.	1011·7	−3	52	+3	N	2	–	bcr	2	–	55	39	.	.	bc. b. bc	7·9
	Petrograd.	1002·9	46	NW	2	c	1002·9	*	49	−2	W	3	*	c	*	1	*	*	.	.	.	.
30.	Petrograd	1008·0	52	WNW	1	b	1010·0	*	55	+6	SSW	3	*	bc	*	–	*	*	.	.	.	.
	Rochefort	1008·0	64	NNE	4	bc	1012·0	*	55	+2	NNW	1	*	bc	*	–	68	52	.	.	.	.
31.	Nice	1009·9	64	W	1	b	1012·6	*	63	+1	–	0	*	c	2	–	68	57	.	.	.	.

CORRECTIONS

1.	Glasgow	.	.	.	.	.	.	.	.	.	.	.	W	.	.	.	.	.	.	.	.	.
	Aberdeen	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Tynemouth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	40	.	.	.	.
	Spitsbergen	1012·0	.	SE	2	bc	1010·1	.	5	+9	–	0	*	b	*	*	.	29	.	.	.	.
	Funchal	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7	.	.	.	.	.	.
3	Stornoway	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6·4
	Eskdalemair	.	.	.	.	.	1025·1	+3	40	+1	ENE	1	–	b	*	–	51	27	.	.	cq. bc	9·3
	Dungeness	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0·2	.	.	.	.	.	.
4	Lerwick	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*0·2	.	.	.	.	.	.
	Christiansund	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	41	.	.	.	.	.
5	Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	43	.	.	.	.
	Pembroke	.	.	.	.	.	.	.	.	.	.	.	.	.	.	?3	.	.	.	.	.	.
	Tynemouth	.	.	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.	.	.	.	.
6	Dungeness	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	49	.	.	.	.
	Spurn Head	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	47	.	.	.	.
	Vardö	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	36	.	.	.	.	.
	Corunna	.	.	.	.	.	1010·4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7.	Deerness	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	43	.	.	.	.
	Valencia	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Trace	.	.	.	.	.	.
	Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	46	.	.	.	.
	La Hève	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	50	.	.	.	.
8.	Deerness	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	52	.	.	.	.	.
	Scilly	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	61	.	.	.	.
9	Le Hève	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	66	50	.	.	.	.
10	Glasgow	.	.	.	.	.	.	.	37	−6	.	.	.	.	.	.	.	.	.	.	.	.
	Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	69	.	.	.	.	.
11	Deerness	1021·6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Castlebay	.	.	W	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Glasgow	.	.	.	.	.	.	.	.	+11	.	.	.	.	.	.	.	.	.	.	.	.
	Blacksod Point	.	.	.	.	.	1017·3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Roches Point	1027·0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Holyhead	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	58	.	.	.	.	.
	Portland Bill.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	45	.	.	.	.
	Le Hève	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	45	.	.	.	.
12	Scilly	1015·0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.	.	.	.	.
	London (Kew Obsy)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	49	.	.	.	.
	Lyons	.	.	.	.	.	.	.	59	+2	.	.	.	.	.	.	.	.	.	.	.	.
13	Glasgow	.	.	ENE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Holyhead	1010·2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Nairn	.	.	.	.	.	1013·9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	bcshp	.	.	.
	Vardö	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	39	.	.	.	.	.
	Karlstad	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	45	.	.	.	.	.

CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.						°F.	°F.							°F.	°F.				Hours.
14.	Birr Castle																	34				
	Nairn		43																			
15.	Tynemouth			NE																		
	Horta																	59				
16.	Jersey																					0·3
	Nairn																				dg. bc	
	South Farnborough																					9·6
	Spitsbergen																	21				
	Stockholm									−2							41					
	Wisby																44					
	Perpignan																	43				
17.	Roche's Point																					Delete
	Birr Castle																					0·8
	Donaghadee																					Delete
	Liverpool																	45				
	Spurn Head																					6·8
	London (Kew Obsy)																	47				
	Corunna																	55				
18.	Roche's Point																			fd. om bw		
	Nairn																					
	Spitsbergen																27					
19.	Spitsbergen																	10				
	Brest																	50				
	Funchal																	63				
20.	Glasgow																1					
	Eskdalemuir		55			03																
21.	Glasgow												S									
	Scilly																					2·7
	Spurn Head																					0·3
	Lyons																	50				
22.	Lerwick																0·3					
	Deerness																					0·3
	Valencia																	49				
	Jersey								56	0												
	South Farnborough		60																od. c			
23.	Castlebay																					14·0
24.	Yarmouth																					12·4
25.	Eskdalemuir	1026·7																				
	Birr Castle																					14·0
	Scilly	1018·4																				
26.	Lerwick																0·1					
	Glasgow																			bc. b		
	Jersey						1012·8															
	Dover																	?				14·3
	Leith						1025·6															
	Tynemouth			NE																		
	Spurn Head															5						
27.	Castlebay																					15·2
	Valencia																0·1				cj. p. o. g	
	Birr Castle																					12·3
	Falmouth																3					
28.	Lerwick																0·3					
	Holyhead		57																			
	Nairn																			bcw		
29.	Spurn Head																					9·0
	South Farnborough																			o. bcw		
30.	Stornoway																1					
	Castlebay		45																			
31.	Holyhead	1021·2																				
	Nairn																			bcvq		

LONDON OBSERVATIONS.

	STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
					24 Hours ended 9 A.M. To-Day.						
		%	%	Hr.	°F.	°F.	°F.	mm.§			
1.	Richmond Park			9·5							
2	Greenwich (Royal Obsy)				68						
4.	City (Bunhill Row)			8·8							
	Richmond Park			8·1							
8	Greenwich (Royal Obsy)					51					
10	Greenwich (Royal Obsy)				61						
11	Richmond Park			9·0							
12.	Richmond Park			11·0							
13	Westminster (St. James's Park)					45					
15.	Greenwich (Royal Obsy)				52						
19	Westminster (St. James's Park)					44					
24.	Westminster (St. James's Park)	48	62		75	?	45	−	b	b	b
	Hampstead (Reservoir)		47	13·5	72	48	37	−	b	b	b
	Richmond Park			14·4							
26	Westminster (St. James's Park)			13·9							
28	Richmond Park			13·7							
29	Richmond Park			5·8							

GALES

Duration and Extreme Force in British Islands

Date.	ADDITIONS.	Date.	CORRECTIONS.
14.	Yarmouth 13th 7p.m. - 14th 5a.m. NE 8		