M.O. Form 2610

METEOROLOGICAL OFFICE,

LONDON.

DAILY WEATHER REPORTS

1st JULY TO 31st DECEMBER, 1917.

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

Scale 1:2×10⁷
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

VARDÖ
ARCHANGEL
BODÖ
Haparanda
Uleaborg
Kuopio
Isafjord
Akureyri
Seydisfjord
Reykjavik
Vestmanna
Thorshavn
CHRISTIANSUND
HERNÖSAND
PETROGRAD
Helsingfors
HANGÖ
STOCKHOLM
MOSCOW
VELIEKI LUKI
LERWICK
Karlstad
FAERDER
DEERNESS
SKUDESNAES
STORNOWAY
WICK
WISBY
RIGA
GORKI
SKAGEN
Memel
CASTLEBAY
NAIRN
ABERDEEN
COPENHAGEN
BORNHOLM
New Fahrwasser
MALIN HEAD
GLASGOW
LEITH
BLAAVAND'S HUK
ESKDALE
TYNEMOUTH
Swinemünde
Warsaw
KIEV
KHARKOV
BLACKSOD POINT
DONAGHADEE
Cuxhaven
HOLYHEAD
BIRR CASTLE
LIVERPOOL
SPURN HEAD
Groningen
Berlin
Breslau
Cracow
Lemberg
ELIZABETGRAD
NICOLAIEV
VALENCIA
NOTTINGHAM
THE HELDER
YARMOUTH
Utrecht
Cassel
HARTLAND QUAY
BENSON
KEW
CLACTON
COVER
Flushing
Brussels
Frankfort
Prague
KISHINEV
ODESSA
TARKHANKOUT
PORTLAND BILL
C. GRIS NEZ
SCILLY
FALMOUTH
LA HEVE
JERSEY
PARIS
Carlsruhe
Manich
Vienna
Buda Pesth
Hermannstadt
BREST
Le Mans
Bucharest
Lugano
Trieste
ROCHEFORT
Limoges
LYON
VENICE
Turin
PESARO
Lesina
NICE
Leghorn
Florence
VIESTI
CORUNNA
Bilbao
BIARRITZ
Toulouse
C. Sicié
PERPIGNAN
ROME
SANTA CRUZ
Angra
HORTA
PT. DELGADA
OPORTO
Barcelona
SANGUINAIRE
Naples
BRINDISI
PATRAS
ATHENS
MADRID
LISBON
Palma
CAGLIARI
CANDIA
PALERMO
Alicante
Cape De Garde
ALGIERS
Tunis
MALTA
San Fernando
Malaga
GIBRALTAR
Sétif
Oran
Biskra
Sfax
Nemours
Laghouat
MADEIRA

25° 20° 15° 10° 5° 0° 5° 10° 15° 20° 25° 30° 35° 40° 45° 50° 55°
60° 55° 50° 45° 40° 35° 30°

M.O.45. 625. 8/18.

Receipt of inform… …cations shown in italics is temporarily suspended.

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

DAILY WEATHER REPORT. APPENDIX I.

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

FOURTH QUARTER, OCTOBER TO DECEMBER.

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

	STATIONS.	PRESSURE 1906–1915.	AIR TEMPERATURE.							RAINFALL 1881–1915.			BRIGHT SUNSHINE. 1881–1915.	
			Means of			Absolute Extremes.								
			1906–1915.	1881–1915.		1881–1915.								
						Maximum.		Minimum.						
		7 a.m. Observations (reduced to M.S. Level).	Dry Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Temp.	Year.	Temp.	Year.	Days with Rain.	Total Fall.		Daily Mean.	Per Centage of Possible Duration.
		mb.	°F.	°F.	°F.	°F.		°F.			mm.	in.	hr.	%
OCTOBER.	Lerwick	1011·2	47·3	50·1	42·3	63	1908	28	1887	24	100	3·95	—	—
	Stornoway	1010·0	47·1	52·2	41·2	70	1898	27	1892	23	132	5·18	2·77	28
	Castlebay (Barra Isd.)	[1011·6]§	[50·5]§	[53·6]§	[47·7]§	[63]§	[1908]§	[34]§	[1909, 1913]§	[20]§	[86]§	[3·39]§	[2·55]§	[25]§
	Eskdalemuir	[1014·4]¶	[42·4]¶	[51·5]‖	[38·5]‖	[65]‖	[1910]‖	[19]‖	[1911]‖	[15]‖	[100]‖	[3·93]‖	[2·39]‖	[23]‖
	Malin Head	1009·3	49·3	[53·2]*	[45·6]*	[73]*	[1908]*	[32]*	[1892]*	[20]*	[75]*	[2·95]*	—	—
	Blacksod Point	1009·4	51·0	[54·7]*	[46·0]*	[71]*	[1908]*	[29]*	[1905]*	[23]*	[127]*	[4·99]*	—	—
	Valencia	1010·2	51·2	56·4	46·6	71	1908	28	1892	22	142	5·57	3·26	31
	Roche's Point	1011·2	51·0	56·2	46·4	65	1884, 86, 1914, 15	32	1881	19	104	4·09	—	—
	Birr Castle	1010·7	46·8	55·0	40·7	74	1908	22	1905	18	74	2·91	3·16	30
	Donaghadee	1011·3	49·2	54·3	44·3	66	1898	21	1892	18	73	2·88	—	—
	Liverpool (Observatory)	1012·5	47·9	54·1	44·8	73	1908	27	1895	18	83	3·27	[2·81]§	[27]§
	Holyhead	1011·5	51·3	55·1	46·9	75	1908	32	1892	19	101	3·99	[2·87]**	[28]**
	Pembroke (St. Ann's Hd.)	1011·4	51·6	55·6	48·1	67	1908	33	1895	19	106	4·19	3·29	31
	Scilly (St. Mary's)	1011·3	53·2	57·5	50·1	69	1895	38	1895, 1896	21	93	3·66	3·81	36
	Falmouth	1012·5	51·0	56·3	47·7	67	1895	33	1895	21	126	4·96	3·74	35
	Jersey (St. Aubin's)	1013·3	53·4	59·0	49·1	76	1908	33	1887	20	116	4·55	4·06	38
	Portland Bill	1012·2	53·8	56·9	48·8	[67]†	[1908]†	[35]†	[1905, 1908]†	17	94	3·68	—	—
	Dungeness	1013·2	52·1	57·4	46·0	70	1886, 1908	23	1890	17	89	3·52	—	—
	Dover	[1015·5]§	[50·7]§	[57·5]§	[46·6]§	[74]§	[1908]§	[30]§	[1909]§	[18]§	[106]§	[4·18]§	[3·81]§	[36]§
	Wick	1011·0	47·0	52·2	41·0	73	1898	22	1885	21	75	2·96	—	—
	Nairn	1010·9	44·2	53·1	39·0	76	1908	19	1896	19	60	2·35	[3·29]‡	[33]‡
	Aberdeen	1012·2	46·6	52·8	41·7	74	1883	25	1880	20	76	3·00	3·06	30
	Leith	1011·9	47·7	54·8	42·1	75	1908	25	1894	17	61	2·41	—	—
	Tynemouth	1012·6	47·9	54·1	42·4	77	1908	27	1890, 92, 95, 1909	17	76	3·01	—	—
	Spurn Head	1012·8	50·7	54·6	45·9	70	1900	33	1887, 1895	17	61	2·40	[2·68]**	[26]**
	Yarmouth	1013·6	50·6	55·2	45·3	74	1900, 1908	27	1895	18	74	2·93	[3·35]§	[32]§
	Clacton-on-Sea	1013·7	51·0	55·7	45·7	[71]‡	[1908]‡	[29]‡	[1905]‡	14	49	1·91	3·61	35
	Nottingham	1013·3	46·6	55·3	41·7	78	1908	20	1850	19	63	2·49	2·68	26
	LONDON (Kew Obsy.)	1013·9	48·5	56·2	43·5	77	1886	25	1881, 1895	17	69	2·70	2·97	28
NOVEMBER.	Lerwick	1005·3	42·3	46·2	38·9	58	1901	24	1912	25	108	4·25	—	—
	Stornoway	1007·2	42·1	47·6	38·0	58	1897, 1901, 02	21	1912	24	148	5·83	1·43	19
	Castlebay (Barra Isd.)	[1007·8]§	[45·4	[48·5]§	41·6]§	56]§	1914]§	[28]§	1912]§	[24]§	[101]§	[3·96]§	[1·57]§	[20]§
	Eskdalemuir	[1009·4]¶	[37·6]¶	[43·2]‖	32·1]‖	54]‖	1914]‖	[6]‖	[1912]‖	[20]‖	154]‖	[6·05]‖	2·03]‖	[25]‖
	Malin Head	1008·4	44·6	[48·6]*	41·7]*	59]*	[1894, 99, 1906]*	[30]*	[1909, 1912]*	[21]*	[83]*	[3·28]*	—	—
	Blacksod Point	1010·3	46·1	[50·2]*	42·0]*	66]*	[1897, 1899]†	[26]*	[1890]*	[24]*	[132]†	[5·21]*	—	—
	Valencia	1012·4	46·3	52·0	42·9	63	1881	27	1890, 96, 1901	23	139	5·46	2·17	25
	Roche's Point	1013·0	45·5	51·4	42·5	61	1908, 1909	27	1890	19	107	4·20	—	—
	Birr Castle	1011·8	40·6	49·3	36·8	64	1912	17	1909	19	75	3·10	2·13	25
	Donaghadee	1010·4	43·7	49·4	40·1	60	1894, 1909	27	1883	19	77	3·04	—	—
	Liverpool (Observatory)	1011·6	42·5	48·5	40·2	61	1894, 95, 99	25	1901, 05, 15	18	64	2·50	[2·27]§	[27]§
	Holyhead	1011·3	46·3	50·2	42·9	62	1881	29	1915	19	105	4·14	[2·50]**	[30]**
	Pembroke (St. Ann's Hd.)	1012·2	46·7	51·1	43·9	60	1911	28	1890	20	97	3·80	2·17	25
	Scilly (St. Mary's)	1013·2	48·7	53·2	46·3	61	1898	29	1890	20	83	3·27	2·50	28
	Falmouth	1013·9	45·1	51·6	43·9	60	1895, 1897	23	1890	20	122	4·80	2·53	29
	Jersey (St. Aubin's)	1014·2	47·9	53·0	44·3	66	1899	16	1890	21	104	4·08	2·53	28
	Portland Bill	1012·7	47·7	51·7	44·3	[61]†	[1900]†	[29]†	[1912]†	14	66	2·58	—	—
	Dungeness	1012·2	44·4	50·7	40·7	63	1899	17	[illegible]	16	70	2·75	—	—
	Dover	[1012·9]§	42·[illegible]§	[48·9]	[38·6]§	[60]§	[1914]§	[25]§	[illegible]	[16]§	[78]§	[3·07]§	[2·90]§	[33]§
	Wick	1006·6	41·5	46·9	37·0	62	1900	12	1909	20	80	3·14	—	—
	Nairn	1007·5	39·8	46·9	35·4	62	1906	12	1904	19	60	2·36	[1·70]‡	[22]‡
	Aberdeen	1008·3	40·7	46·8	37·4	62	1883	14	1909	19	75	2·95	1·83	23
	Leith	1009·0	42·0	48·5	38·0	63	1885	18	1885	15	50	1·95	—	—
	Tynemouth	1009·9	41·8	48·4	38·1	62	1894	20	1912	16	54	2·13	—	—
	Spurn Head	1010·4	43·8	48·2	40·8	61	1894, 1895	28	1884	16	47	1·85	[1·90]**	[23]**
	Yarmouth	1011·6	43·3	48·5	39·6	60	1895, 98, 99, 1904	23	1890	18	61	2·41	[2·33]§	[27]§
	Clacton-on-Sea	1012·4	43·0	48·5	39·7	[60]‡	[1908]‡	[25]‡	1904]‡	15	47	1·86	2·33	27
	Nottingham	1011·9	40·7	48·4	37·1	63	1895	13	1904	19	48	1·88	1·37	16
	LONDON (Kew Obsy.)	1013·2	41·9	49·1	38·8	52	1881, 94, 95	21	1901	16	56	2·22	1·73	20
DECEMBER.	Lerwick	1000·9	40·4	43·6	36·6	53	1890, 1905	19	1909	27	122	4·79	—	—
	Stornoway	1000·9	40·3	44·4	35·4	55	1898, 1913	16	1912	26	159	6·25	0·74	12
	Castlebay (Barra Isd.)	[1000·5]§	[44·1]§	[46·9]§	[40·1]§	[54]§	[1912]§	[26]§	[1912]§	[26]§	[146]§	[5·74]§	[0·77]§	[12]§
	Eskdalemuir	[1003·9]¶	[36·7]¶	[42·1]‖	[33·0]‖	[52]‖	[1910, 12]‖	[8]‖	[1912]‖	[26]‖	[204]‖	[8·04]‖	[0·74]‖	[11]‖
	Malin Head	1001·6	42·3	[45·7]*	[38·6]*	[55]*	[1900, 04, 13]*	[28]*	[1906, 1909]*	[24]*	[85]*	[3·35]*	—	—
	Blacksod Point	1003·0	44·4	[47·5]*	[39·9]*	[59]*	[1899]*	[25]*	[1906]*	[26]*	[155]*	[6·12]*	—	—
	Valencia	1005·8	45·4	49·8	41·1	57	1884, 88, 99, 1900	24	1886	26	169	6·64	1·32	17
	Roche's Point	1006·9	44·5	48·8	40·4	57	1906	25	1882	23	135	5·32	—	—
	Birr Castle	1005·2	40·5	46·1	35·0	58	1900	10	1882	21	84	3·29	1·39	19
	Donaghadee	1004·4	41·8	45·9	37·2	56	1885, 88, 94, 1909, 12, 13	21	1909	21	81	3·17	—	—
	Liverpool (Observatory)	1006·7	41·2	44·8	36·8	59	1891, 98, 1900	17	1882, 1890	19	67	2·65	[1·39]§	[19]§
	Holyhead	1005·8	44·5	46·9	39·9	56	1888	26	1890, 1902	20	106	4·16	[1·77]**	[24]**
	Pembroke (St. Ann's Hd.)	1006·9	45·5	48·1	41·3	57	1899, 1902	19	1890	22	115	4·52	1·35	18
	Scilly (St. Mary's)	1008·6	47·6	50·7	44·0	58	1899, 1900	30	1890	23	111	4·36	1·81	23
	Falmouth	1009·5	45·5	48·8	41·6	57	1899	25	1886, 1890	23	159	6·27	1·77	22
	Jersey (St. Aubin's)	1011·5	46·2	48·8	41·1	59	1898	22	1890	22	105	4·15	1·87	23
	Portland Bill	1009·1	46·5	48·1	41·2	[56]†	[1906, 07, 13]†	[24]†	[1908]†	19	75	2·94	—	—
	Dungeness	1009·5	43·2	46·2	37·1	56	1897, 98, 1900, 07	12	1890	17	70	2·77	—	—
	Dover	[1010·2]§	[42·4]§	[46·7]§	[38·4]§	[54]§	[1912, 14, 15]§	[18]§	[1908]§	[21]§	[105]§	[4·12]§	[1·45]§	[19]§
	Wick	1001·3	39·3	43·6	34·3	58	1905, 1907	10	1906	22	78	3·08	—	—
	Nairn	1001·9	37·4	43·0	32·1	58	1900	8	1912	19	56	2·22	[1·16]‡	[18]‡
	Aberdeen	1003·3	38·5	42·9	34·2	57	1885, 98, 1906, 10, 12	6	1882	19	82	3·22	1·16	18
	Leith	1003·8	40·5	44·8	35·0	60	1896	6	1882	17	51	2·00	—	—
	Tynemouth	1005·2	40·0	44·3	34·7	59	1898	19	1882, 86, 91, 92, 1908	16	55	2·18	—	—
	Spurn Head	1006·5	40·7	43·6	36·4	56	1898, 1912	19	1891	16	51	1·99	[1·32]**	[18]**
	Yarmouth	1008·6	40·6	43·6	35·2	60	1901	18	1899, 1906	18	62	2·44	[1·23]§	[16]§
	Clacton-on-Sea	1009·6	40·8	43·4	35·8	[55]‡	[1904]‡	[17]‡	[1908]‡	15	45	1·77	1·52	20
	Nottingham	1007·7	39·9	44·2	33·9	59	1912	9	1908	20	61	2·39	0·90	12
	LONDON (Kew Obsy.)	1009·8	41·4	44·7	35·9	57	1882, 88 1902, 05, 07	11	1890	17	58	2·29	1·19	16

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

‡ Results for 9 years, 1907–1915.
§ " 8 " 1908–1915.
‖ " 6 " 1910–1915.

¶ Results for 5 years, 1911–1915.
** " 2 " 1914–1915.

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

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‡ The barometric change is expressed in half-millibars.

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,433. THURSDAY, 1ST NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

A shallow depression which lay near our South-West coasts yesterday gave rain in that region but over most of the country the falls were slight. Good sunshine measurements were recorded at some east coast stations, ranging up to 7 hours at Aberdeen. Temperature reached 55° in many parts.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 31ST OCTOBER

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 31ST
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	Trace	Trace	49	40	c.b	cr.b	5.4
	Montrose							
	St. Andrews	*	*	51	41	b.qu	bq	5.7
Eng. N.E.	Harrogate	1	-	49	43	o.c	c.o	0.9
	Skegness	-	-	53	35	b	bc	5.4
England, E.	Felixstowe	Trace	-	51	37	bm.bc	bc	4.9
	Walton-on-Naze							
	Southend-on-Sea	-	-	58	39	bq.be	c	5.3
England, S.E.	Margate	-	-	52	4	b	b.bc.c	4.9
	Hastings	-	-	54	41	b	bc.o	5.4
	Eastbourne	Trace	-	55	38	b	bc.o	4.7
	Seaford	*	*					
	Brighton							
	Worthing	-	-	56	37	b	bc	3.4
	Littlehampton							
	Bognor	*	*					
	Bournemouth	-	Trace	55	37	bc	od	2.5
Scotland W.	Oban	1	1	49	43	cqu	b	2.4
Eng. N.W.	Morecambe	-	-	47	45	*	*	1.0
	Southport	-	-	54	46	b.bc.c.bc	c.bc.c.o	4.0
Midlands.	Ross-on-Wye	-	-	55	34	bc	bc.c.o	1.6
Wales.	Rhyl	Trace	-	54	37	bqu.c	bc.c.bc	2.7
	Colwyn Bay	Trace	Trace	52	44	bc	bc	3.4
	Llandudno	*	*	54	44	c	c	1.8
	Aberystwyth	*	*	52	42	r.o.c	c. o	1.0
England, S.W.	Weymouth	*	*	57	42	bq.c	qu.or	0.6
	Torquay	-	5	54	41	m.or	or	0.0
	Paignton	*	*					
	Penzance	8	6	56	44	or	or m.f	0.0
	Newquay	Trace	5	55	42	d	d r.d f.c	0.0
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 31ST OCTOBER

	STATIONS.	Evening of 30TH: Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0-12.	Weather.	Morning of 31ST: Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					F	F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1021.9	45	ESE	5	o									*	
	Gorki	1034.7	37	S	4	b	1036.0	*	34	-7	-	0	b	-	*	28
	Vyshni Volochek	1037.8	37	-	0	b	1041.0	*	36		-	0	b	-	*	28
	Hangö	1029.9	43	WSW	2	bc	1028.2	-2	45	-1	ESE	4	0	-	*	41
	Petrograd	1032.2	45	W	4	0	1035.9	+2	43	0	E	2	0	-	50	47
	Moscow	1042.3	37	SSE	2	b	1043.5	+3	28	-6	SE	2	0	-	*	28
	Kiev	1033.9	41	ESE	4	b	1031.1	-2	34	0	ENE	3	b	-	*	34
	Kharkov	1037.1	39	E	3	b									*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa	1025.2	46	ESE	4	0									*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1012.5	46	-	0	c	1014.6	*	46	+4	-	0	0	6	57	46
	Turin	1009.7	48	-	0	bc	1014.6	*	43	-2	-	0	0	-	54	39
	Pesaro						1014.9	*	48	-4	-	0	bc	5	59	44
	Leghorn	1010.3	55	W	2	c	1013.1	*	50	-2	-	0	bc	14	54	48
	Rome	1013.4	52	-	0	c	1015.8	*	48	-7	-	0	b	6	61	45
	Viesti	1013.5	59	SW	1	0	1013.4	*	59	-7	WNW	1	c	6	70	55
	Brindisi	1011.7	66	SW	4	0	1015.3	*	59	-5	NNE	1	r	10	72	59
	Cagliari						1016.1	*	61	0	NW	3	b	-	70	54
	Palermo	1014.7	59	SSW	2	b	1017.9	*	54	-5	-	0	b	-	68	46
	Tripoli						1018.6	*	66	0	NE	1	0	-	72	64
	Algiers	1018.6	57	-	0	0	1019.0	0	59		WSW	4	0	Trace	71	33
Sweden.	Hernösand	1023.1	36	W	2	b	1025.2	*	39		-	0	†	*	*	*
	Stockholm	1026.3	41	S	2	0	1013.6	*	45		SE	4	0	*	*	*
	Wisby	1025.9	39	SE	2	b	1018.4	*	45		SW	4	0	*	*	*

ICELAND.	Morning of 31ST: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.
		°F	°F			
Isafjord	1015.6	30	+2	N	8	0
Reykjavik	1010.0	34	+4	NE	7	bc
Vestmanna	1005.6	30	-4	NW	4	b
Seydisfjord	998.6	34	+6	NE	1	c
Thorshavn	984.2	40	-4	NW	2	0

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

1ST AND 2ND NOV., 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.50 / 6.52	11.37 / 11.37	4.24 / 4.22
Greenwich	6.55 / 6.57	11.44 / 11.44	4.33 / 4.31
Wick	7.20 / 7.32	11.56 / 11.56	4.22 / 4.20
Valencia	7.37 / 7.39	12.25 / 12.25	5.13 / 5.11

Printed at the Meteorological Office, South Kensington, London, S.W.7.
By WYMAN & SONS LTD., Fetter Lane, London, E.C., and Reading.

‡ The barometric change is expressed in half-millibars.

THE MORNING OF THURSDAY, 1ST NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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.

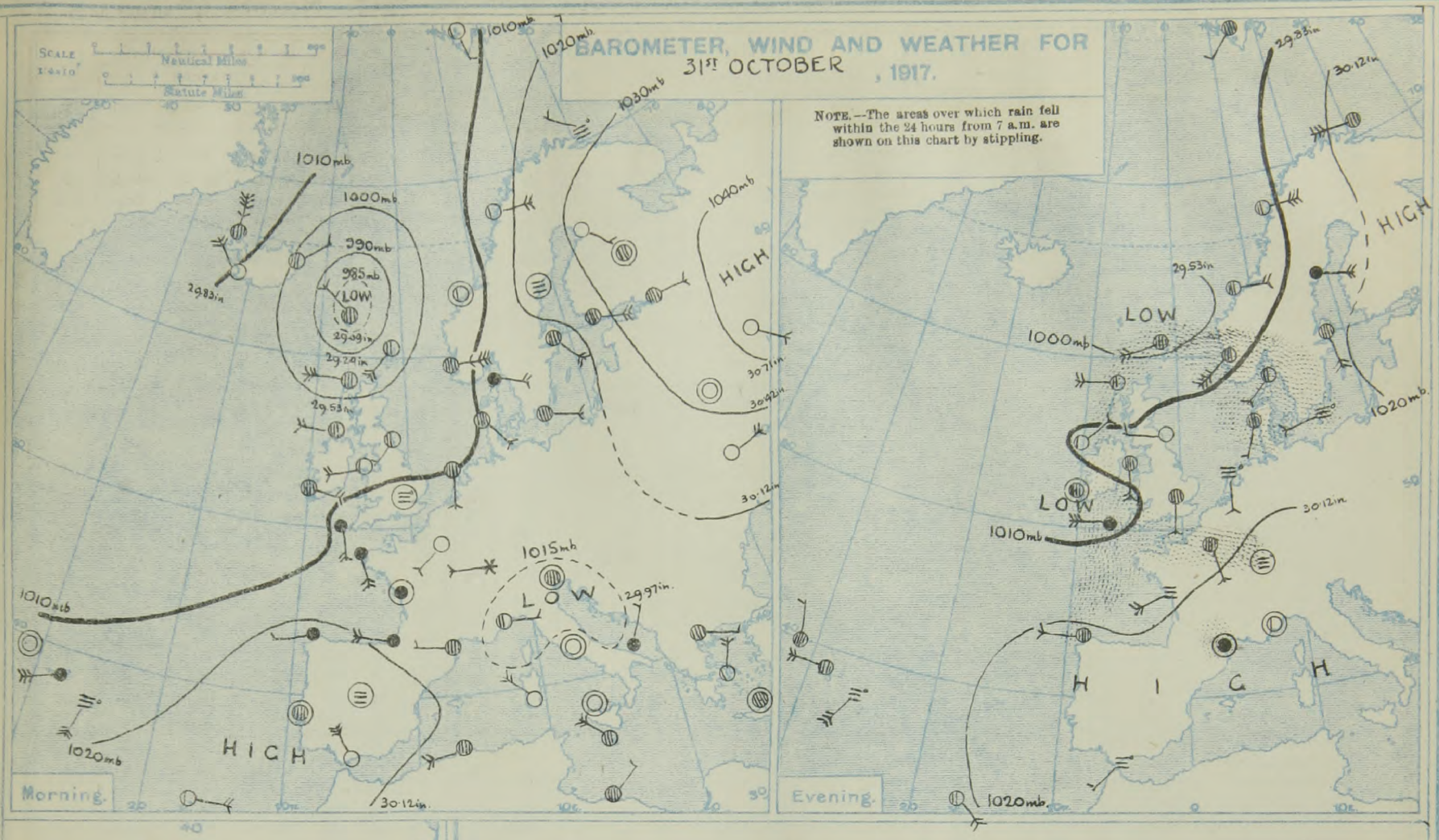
WEATHER.—Shown by the following symbols:—
◯ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. =° mist. ⊤, thunder.
⊼, thunderstorm.

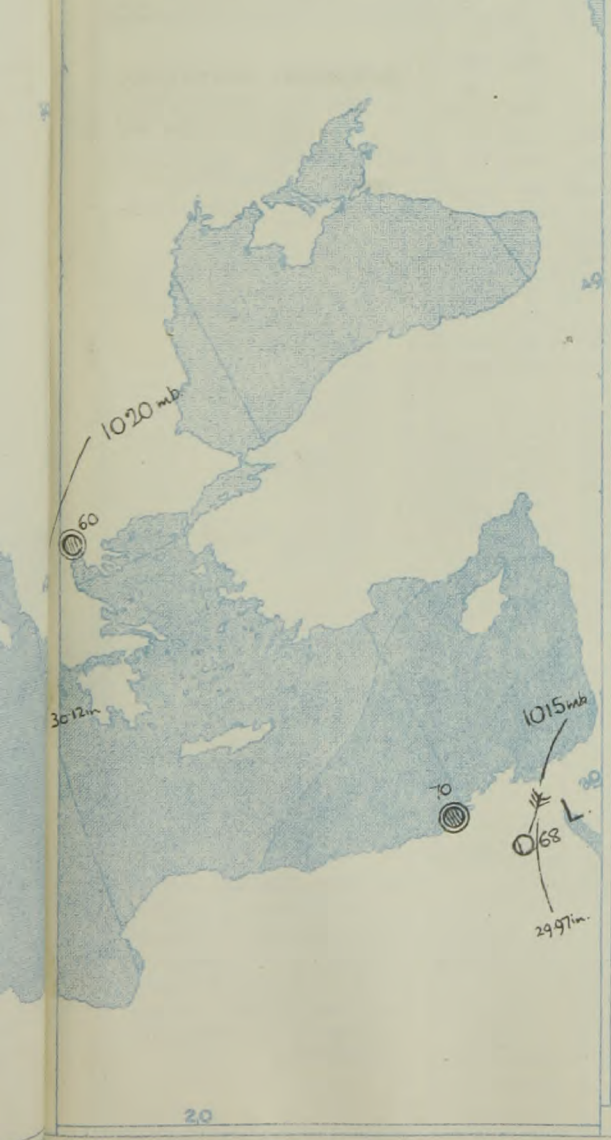
SEA DISTURBANCE.—Rough ~~~ High ≈≈≈.

HIGH
LOW
Barometer rising generally
Bar steady
1020mb
1015mb
1010mb
1005mb
40°
32°
50°
3012in.
2997in.
2983in.
2968in.
2985in.
30·12in.
29·97in.
1020mb
1015mb

SCALE 1 : 2×10⁷
Nautical Miles
Statute Miles

Normal Temperature of the Sea.
Below 50° 50°-60° 60°-70° Above 70°
Scale of Tints for NOVEMBER.





The Present Situation

The depression still lies to the northward of Scotland but is growing decidedly less deep and the wind circulation around it has decreased in force. An anticyclone lies over Germany while over the British Isles pressure has become uniform but with small irregularities. The winds are correspondingly light, being mainly of force 2 or less. Weather is fair or fine in parts of Scotland but generally dull in England with much mist and fog both inland and on the coast. Fog is also prevalent in Holland.

The General Outlook

There are at present no indications of the approach of any definite disturbance to this country from the Atlantic, but the Azores readings have shown the existence of a large depression on the NE. Atlantic for the past few days, which makes the advent of settled conditions improbable.

R. G. K. LEMPFERT. Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 395. Thursday, 1st NOVEMBER.

	STATIONS.	EVENING OF 31st October. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF 1st November. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Tpmp. Dry Bulb.	Tpmp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 HOURS ENDED 7 A.M. 1st Nov. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 31st Oct.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	998·0	45	WSW	4	o	1008·7	+5	45	-1	W	4	–	o	4	13	47	40	bc.ep	or	c.o	*
	Deerness (Orkney)	1001·7	44	WSW	4	ep	1011·8	*	41	-2	WNW	3	–	b	2	7	46	41	r.cp	cp.c	cp.bc	1·5
	Stornoway ...	1003·8	44	W	4	bcp	1013·6	+3	39	-1	SW	1	–	bc	1	1	48	37	bcpq	bcpq	bcp	5·2
	Castlebay (Barra Isd.)	1009·5	46	W	4	cp	1015·5	+2	45	0	–	0	–	o	2	0·3	48	44	cp.bc	bc.cp	cp.c.o	?0·1
	Glasgow ...	1010·3	43	WSW	2	cm	1015·9	+3	33	-12	ENE	1	–	m	*	1	48	33	cmpu	cmp	bc.dfx	1·6
	Eskdalemuir ...	1011·5	36	–	0	bc	1016·6	+2	30	-13	NW	1	SW	cx	*	–	48	30	o.c.bc	bc	c.cd.dx	3·7
	Malin Head ...	1009·9	44	NW	2	c	1013·2	0	42	-5	S	2	SW	bc	2	2	48	42	bc	c	bc	1·0
	Blacksod Point	1010·1	44	NE	2	dz	1011·9	0	43	-3	ENE	2	–	cg	3	–	51	40	bc	dz	dz	*
	Valencia (Cahirciveen)	1007·9	53	–	0	o	1010·7	0	50	+2	–	0	S	o	3	1	55	48	o	o.c	cd.o	0·0
	Roche's Point ...	1008·0	51	ESE	2	fd	1011·3	*	50	+3	ESE	2	–	cine	3	2	51	47	fd	fde	cine	*
	Birr Castle ...	1009·4	49	–	0	o	1011·3	*	48	+9	E	1	–	o	*	0·2	49	39	o	o	o.c	0·0
	Donaghadee ...	1010·1	45	WSW	3	bm	1013·6	+1	46	+4	ESE	3	–	cing	2	–	53	39	bcm	bcm	bc.bcf	*
	Liverpool (Bidston)	1011·9	46	SSE	4	bc	1014·2	0	45	+2	ESE	2	–	cg	1	–	51	43	bc	bc	c.o	4·4
	Holyhead ...	1010·5	50	S	3	cmg	1012·4	+1	50	+4	NE	3	W	cm	1	–	54	44	cg	c.cg	c.cm.cm	0·8
	Pembroke (St. Ann's)	1009·0	50	ESE	3	r	1012·0	+2	51	+1	S	2	–	cfd	3	4	52	49	c.or	cmr.or	cmd fd	0·0
	Hartland Quay	1008·8	53	SSE	4	r	1012·9	+2	53	+4	SW	4	–	o	4	8	55	46	cdg	or	cmr.cd	*
	Scilly (St. Mary's)	1009·4	54	W	5	fd	1012·8	0	54	+2	WSW	3	–	fc	4	7	55	49	cmr.fd	fd	fc	0·0
	Falmouth ...	1009·7	53	WSW	3	cd	1013·0	+1	53	+7	–	0	–	f	*	12	55	45	cd.cd	cd	cd.cfc	0·0
	Jersey (St. Aubin)	1012·3	51	S	4	cmd	1014·8	*	56	+8	W	2	–	cfc	3	9	56	46	bc.or	or.cmd	cmd.fc	0·5
	Portland Bill ...	1011·0	53	SSE	5	or	1012·0	+1	53	+2	W	2	–	cm	3	6	55	48	bc.c	cr	cmr	*
	Dungeness ...	1014·3	53	SW	3	c	1015·1	+1	51	+11	S	4	S	c	3	–	55	40	bc	bc	bc	*·
	Dover	*	*	*	*	*													*	*		
	Wick	1005·1	41	WSW	2	bc	1012·9	+3	39	-4	W	3	–	bc	2	–	47	37	cp.bc	bc	bcm	*
	Nairn	1006·4	41	–	0	b	1014·1	*	38	-5	–	0	–	bc	1	2	47	36	cp.bc	bc	b.bcx	5·6
	Aberdeen	1007·7	43	SW	3	b	1014·9	+3	35	-6	W	1	–	bz	2	–	51	33	b.bc	bc.b	bzx	7·0
	Leith	1008·4	46	W	1	c	1014·3	+1	37	-9	WSW	1	W	b	1	0·4	51	35	bcp.bc	c.cgp.c	c.bcz.b	*
	Tynemouth ...	1010·7	46	W	1	bm	1015·5	+1	40	-4	–	0	S	cf	3	–	50	37	cm	bcm	bcm	*
	Spurn Head ...	1013·4	46	WSW	1	bm	1015·7	0	47	+4	6	1	–	o	1	–	51	42	bc	bcm	c	1·0
	Yarmouth (Gorleston)	1014·1	45	SW	2	b	1016·1	+2	45	+7	S	2	–	c	2	–	55	37	bc	bcm	bc	6·5
	Clacton-on-Sea	1014·6	47	SSE	1	c	1016·4	+1	48	+7	S	2	–	o	2	0·2	49	39	b.bcf.m	bcm.c	bc.bw.o	2·1
	Nottingham ...	1013·1	41	SSE	1	c	1015·0	*	45	+10	ESE	1	–	cm	*	–	52	35	bcm	c.o	c.o	1·5
	Benson (Oxon.) ...	1012·2	49	SSE	3	o	1013·6	+2	48	+15	SE	1	–	o	*	0·1	55	33	bc	cm	cmg	*
	Sth Farnborough	1013·1	50	SSE	1	m	1014·0	+1	49	+12	ENE	2	–	cmc	*	0·3	54	37	bm.o	cm	cmde	4·6
	Salisbury Plain	1012·5	47	SSE	3	cd	1013·8	+1	49	+12	E	1	–	cfm	*	1	51	37		cd	cmd	*
	London (Kew Obsy.)	1013·6	50	S	2	cm	1015·1	+2	48	+14	ENE	2	–	fc	*	Trace	53	34	fx.bm.o	o.cm	cm.fc	3·9
NORTHERN EUROPE.	Spitsbergen ...	1003·2	19	SSW	1	o	1015·5	-2	16	-3	E	6	*	o	*	*	21	14				
	Vardö	1024·6	34	W	6	o	1009·1	-5	39	+3	S	6	–	o	4	*	34	30				
	Bodö	1007·0	41	E	6	bc	1003·4	0	41	+4	ESE	1	–	bc	1	–	41	36				
	Christiansund ...	1000·2	48	E	3	c	1003·8	+2	46	0	SW	3	–	c	3	–	52	45				
	Skudesnaes ...	1006·6	46	SW	7	c	1012·8	+3	46	+1	SSW	4	–	o	4	12	46	41				
	Færder (X'ianiaFjord)	1011·6	46	S	5	c	1012·6	+3	46	+5	SW	4	9	bc	2	3	46	41				
	The Scaw (Skagen)	1013·0	43	SSW	2	bc	1016·3	+3	43	-2	SW	2	–	m	2	Trace	46	43				
	Blaavands Huk	1013·2	46	SSW	1	o	1018·8	+2	46	-5	WSW	1	–	c	*	9	48	39				
	Copenhagen ...	1016·8	45	WSW	2	m	1020·6	+3	43	-2	W	2	–	f	*	Trace	45	37				
	Bornholm ...	1017·1	43	WSW	2	m	1020·4	+3	43	-2	NW	3	–	o	o	Trace	46	41				
FRANCE, &c.	The Helder ...	1015·9	45	S	2	m	1019·2	+2	36	-7	SSE	2	NW	bc	1	Trace	52	34				
	C. Gris Nez ...	1015·1	48	S	1	c	1016·3	0	46	-2	SSE	3	*	o	2	–	54	45				
	La Hêve	1014·0	48	SSW	3	o	1015·4	*	49	+3	SSE	?	*	bc	2	5	54	45				
	Brest (St. Mathieu)	1013·5	54	W	4	f	1016·7	+2	53	-1	W	3	*	m	3	11	55	52				
	Rochefort (Ile d'Aix)												*		*							
	Biarritz												*									
	Paris	1018·0	46	SSE	2	o	1018·6	+1	45	+6	SSE	2	–	o	*	2	57	39				
	Belfort	1021·2	37	–	0	m	1021·8	*	36	+3	E	2	*	f	*	?5	40	35				
	Lyons	1020·3	43	*	0	o	1021·9	*	39	+4	–	0	*	r	*	–	48	38				
	Nice	1017·1	46	–	0	b	1021·1	+3	46	+1	–	0	*	c	3	–	59	43				
	Perpignan ...	1018·0	52	–	0	r	1021·4	+3	48	-11	–	0	–	r	*	37	61	48				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1023·4	62	W	2	o	1024·3	+1	59	–	SW	1	–	o	1	2	66	57				
	Madrid														*							
	Lisbon																					
	Azores (Horta) ...	1011·3	*	W	4	o							*									
	Madeira	1019·1	68	SE	4	bc	1016·0	0	66	+3	SE	3	NE	b	3	–	72	60				
	Gibraltar	1021·0	62	SW	1	m	1020·0	*	55	-3	E	3	*	m	2	–	69	53				
	Malta	*	*	*	*	*																
	Limassol	*	*	*	*	*																
	Alexandria ...	1017·9	70	–	0	b	1017·5	+1	70	+2	–	0	N	o	0	–	79	63				
	Cairo (Helwan) ...	1017·0	72	NE	3	b	1015·1	+1	68	0	NE	5	–	b	*	–	82	64				

BEAUFORT NOTATION.

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

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 Meteorological Office.

LONDON 1st NOVEMBER, 9h. G.M.T.

	Humidity. 15 h. 31st Oct.	Humidity. 9 h. 1st Nov.	Sunshine for 31st Oct.	24 Hours ended 9 h. 1st November. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	71	99	5·0	56	44	37	–	b	b.bc	bc.o.cd
CITY (Bunhill Row)	*	*	1·6	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	66	86	3·6	56	41	35	–	m.bc	bc	c.mc
CAMDEN SQ. (British Rainfall) ..	69	98	1·4	55	42	43	–	m.o	b	*
HAMPSTEAD (Reservoir)	*	74	4·3	53	38	38	–	bf	bc.cm	c.cm
S. KENSINGTON (Museum Grounds)	81	91	3·6	55	41	45	Trace	f.bm	b	bc.o.cd.o

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 31st Oct.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
530	16·2	38·6

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

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,434. FRIDAY, 2ND NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

A few hours of bright sunshine were measured in the East of Scotland, but elsewhere the day was dull and damp, with a great deal of mist and fog in the South. Temperature was generally mild, and reached 59° at one or two stations.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 1ST NOVEMBER

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 1ST
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	-	-	53	33	bc. b	b. bc	5·3
	Montrose							
	St. Andrews							
Eng. N.E.	Harrogate	Trace	Trace	49	36	m	m	0·0
	Skegness	-	-	50	43	0	0	0·0
England, E.	Felixstowe	Trace	Trace	49	40	cm	cm o/c	0·0
	Walton-on-Naze							
	Southend-on-Sea	-	Trace	50	45	o/c	omd	0·0
England, S.E.	Margate	-	-	51	46	0	ogd	0·0
	Hastings	1	1	54	49	bc. or	f. d	0·0
	Eastbourne	1	2	56	50	omd	od	0·0
	Seaford	*	*	55	50	r	r	0·0
	Brighton							
	Worthing	2	1	55	51	od	od	0·0
	Littlehampton	*	*	53	50	*	*	0·0
	Bognor	*	*					
	Bournemouth	6	1	55	42	or	orf	0·0
Scotland W.	Oban	-	-	49	36	o. bc	c	4·1
Eng. N.W.	Morecambe					*	*	
	Southport	-	-	51	39	oe	oe. o	0·0
Midlands.	Ross-on-Wye	Trace	1	54	48	m. c. o	o m r	0·2
Wales.	Rhyl	-	-	54	45	bc	c. o	0·0
	Colwyn Bay	-	-	55	44	bc. c	0. c	0·0
	Llandudno	*	*	55	47	o	o	0·0
	Aberystwyth	*	*	56	47	r. o. c	c. o	0·0
England, S.W.	Weymouth	*	*					
	Torquay	Trace	1	56	50	od	o	0·0
	Paignton	*	*	57	51	om	r	0·0
	Penzance	2	Trace	57	52	of. m	o. f	0·0
	Newquay	1	1	56	46	fe	fe	0·0
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 1ST NOVEMBER

	STATIONS.	Evening of 31ST OCT. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 1ST NOV. 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F.	°F.
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1038·0	37	SW	4	o	1034·4	-4	36		SE	3	c	-	*	36
	Gorki	1033·1	37	-	0	b	1036·0	*	28	-6	-	0	b	-	*	?28
	Vyshni Volochek	1038·3	48	SE	2	b	1037·3	-4	32	-4	-	0	b	-	*	32
	Hangö	1024·8	46	SSE	5	bc	1021·7	-3	43	-2	S	5	o	-	*	41
	Petrograd	1033·7	39	SE	4	b	1030·6	-2	34	-9	SE	3	b	-	45	34
	Moscow	1042·3	34	ESE	2	b	1041·2	-1	30	+2	ESE	2	b	-	*	28
	Kiev	1028·7	41	E	3	o	1029·7	+2	36	+2	ESE	4	o	-	*	34
	Kharkov	1033·3	43	E	3	b	1034·7	+1	34		E	3	b	-	*	32
	Kishinev	1023·3	46	E	1	o									*	
	Elisabetgrad	1027·7	43	ENE	3	o									*	
	Nicolaiev	1024·3	46	-	o	c	1024·2	*	39		-	o	b	-	*	37
	Odessa	1024·2	50	ESE	4	o									*	
	Yuriev	1030·6	36	SE	2	b		*							*	
	Soukhoum														*	
Mediterranean.	Venice	1018·7	52	-	o	b	1008·5	*	47	+1	-	o	b	-	55	43
	Turin	1018·2	46	-	o	b	1022·9	*	41	-2	-	o	b	-	52	39
	Pesaro						1020·6	*	50	+2	NW	1	o	3	59	
	Leghorn	1016·5	52	-	o	b	1018·7	*	52	+2	-	o	b	-	54	48
	Rome	1017·1	52	-	o	o	1018·6	*	46	-2	N	1	b	4	59	46
	Viesti	1017·3	57	S	1	bc	1018·1	*	54	-5	W	1	bc	-	70	?54
	Brindisi	1020·1	61	NW	2	o	1017·5	*	63	+4	NW	1	bc	8	74	59
	Cagliari	1017·9	57	W	4	r	1016·1	*	63	+2	NW	3	b	5	63	50
	Palermo	1016·9	54	-	o	b	1016·1	*	55	+1	-	o	b	-	70	48
	Tripoli						1015·9	*	57	-9	E	1	r	22	*	55
	Algiers	1018·9	63	W	4	c	1019·5		64		WSW	4	o	-	66	61
Sweden	Hernösand	1015·9	43	ESE	4	r	1013·0	*	41	+2	S	2	c	*	*	*
	Stockholm	1018·2	43	SSE	4	o	1018·0	*	45	0	S	2	o	*	*	*
	Wisby	1018·8	43	S	2	b	1016·3	*	45	0	SSW	2	o	*	*	*

Morning of 1ST NOV.

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	1023·7	23	-7	N	7	o
Reykjavik	1021·7	25	-9	N	5	b
Vestmanna	1017·6	26	-4	N	5	b
Seydisfjord	1014·0	30	-4	NE	9	S
Thorshavn	1004·9	38	-2	NW	3	o

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

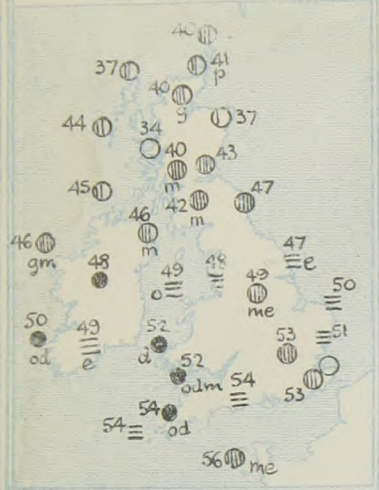
2ND AND 3RD NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·52 / 6·54	11·37 / 11·37	4·22 / 4·20
Greenwich	6·57 / 6·59	11·44 / 11·44	4·31 / 4·29
Wick	7·32 / 7·35	11·56 / 11·56	4·20 / 4·17
Valencia	7·39 / 7·41	12·25 / 12·25	5·11 / 5·9

Printed at the Meteorological Office, South Kensington, London, S.W. 7.
By WYMAN & SONS LTD., Fetter Lane, London, E.C., and Reading.

‡ The barometric change is expressed in half-millibars

THE MORNING OF FRIDAY, 2nd NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE



FORECAST DISTRICTS.

EXPLANATION.

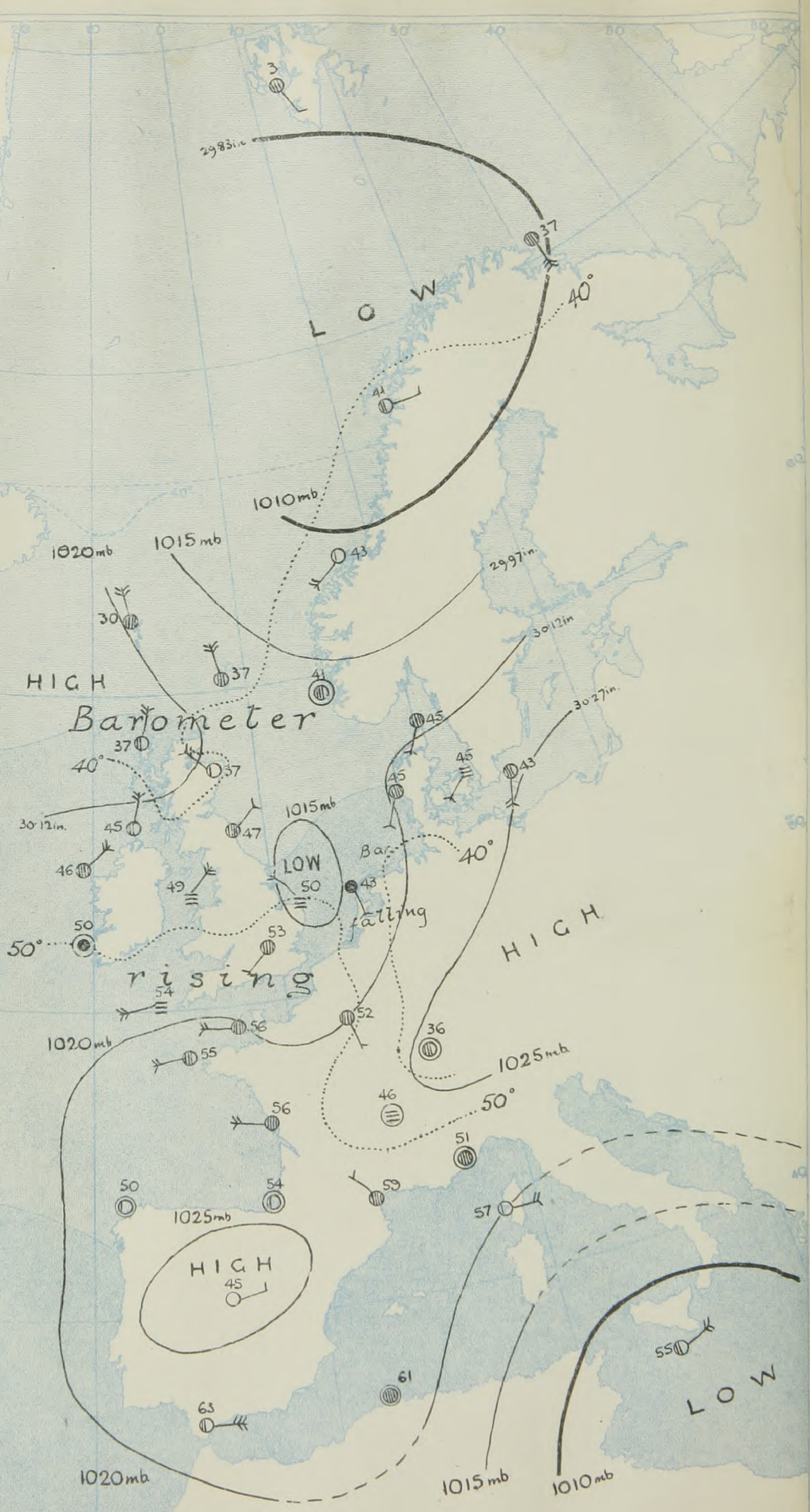
BAROMETER.—Isobars are drawn for intervals of five millibars.

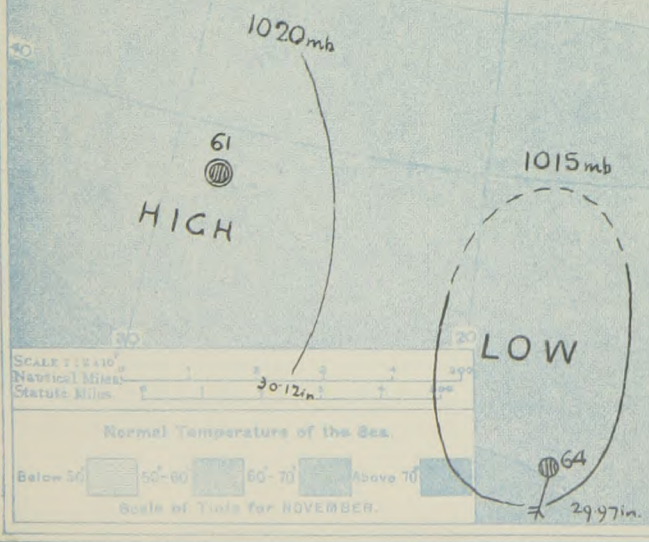
WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers. Calm ○

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

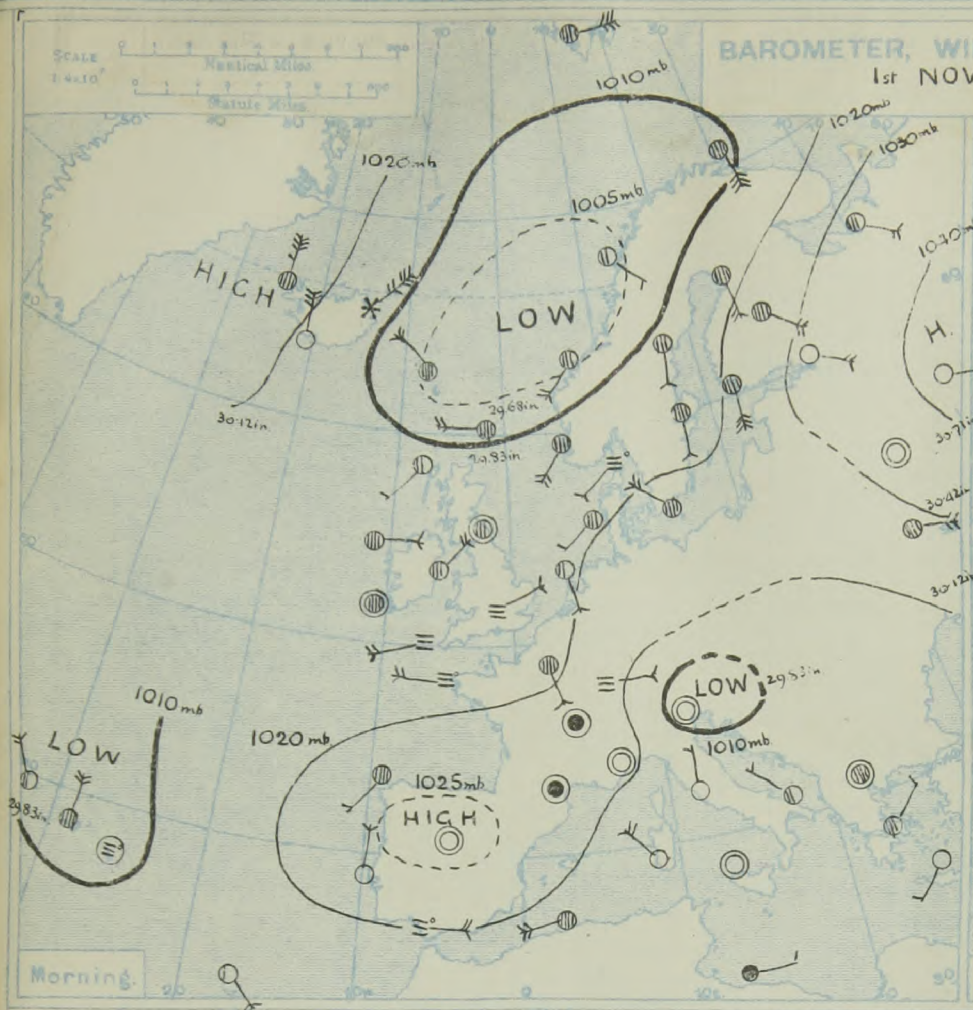
WEATHER.—Shown by the following symbols:—
○ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊤≡, thunderstorm.

SEA DISTURBANCE.—Rough ~~. High ≈≈.

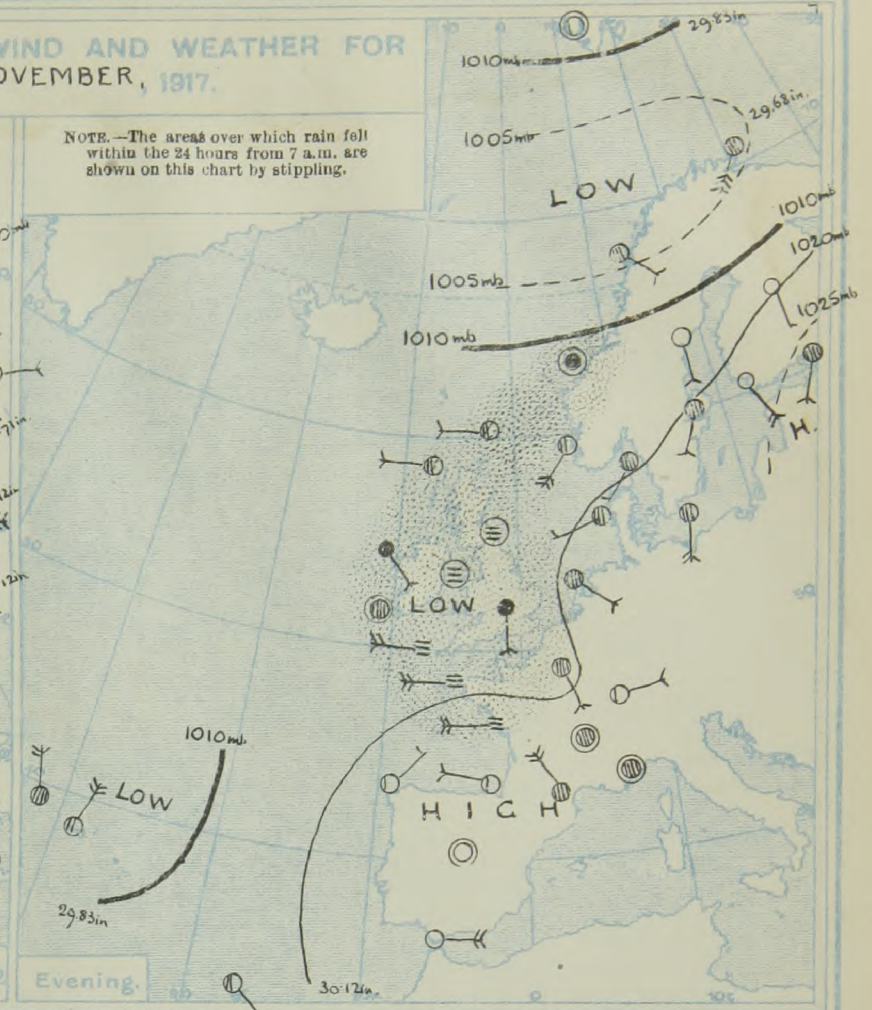


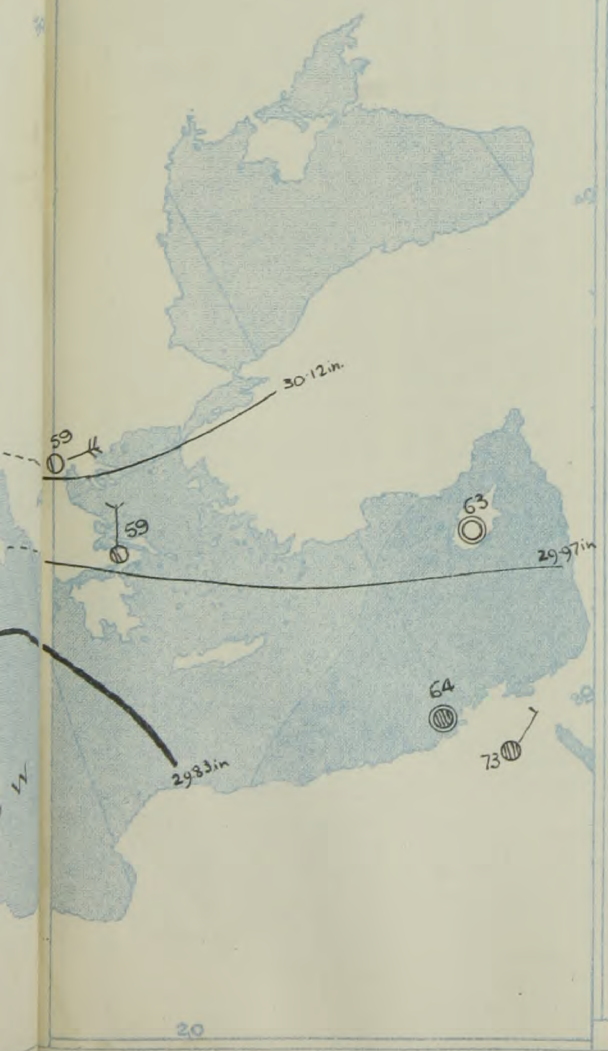


BAROMETER, WIND AND WEATHER FOR 1st NOVEMBER, 1917.



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





The Present Situation

An anticyclone which has spread down from the Iceland region, lies off the North-West coast of Scotland, while pressure is also high over France and Spain. A belt of low pressure runs W - E across England, with the lowest readings in the neighbourhood of Yarmouth. Winds are of no great strength, but reach a moderate force from West in the English Channel. There is much fog round the English Coast, and rain is falling generally in Holland. In Scotland weather is finer.

The General Outlook

The North-Western anticyclone is spreading down slowly over Scotland and the barometer also shows a tendency to rise in the South of England. The conditions however, remain favourable for the advance of depressions across this country from the Atlantic, so that no settled weather is to be expected.

R. G. K. LEMPFERT, Superintendant, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 306. Friday, 2nd NOVEMBER.

	STATIONS.	EVENING OF 1st Nov. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	MORNING OF 2nd Nov. 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.	24 HOURS ENDED 7 A.M. 2nd Nov. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 1st Nov.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1013·3	41	W	2	bc	1019·2	+2	37	−8	NNW	4	N	c	3	2	47	36	c	bcp	bc.c	*
	Deerness (Orkney)	1015·9	42	W	2	c	1020·0	*	40	−1	NW	5	–	c	3	Trace	47	38	bc	bc.c	cp.c	1·2
	Stornoway ...	1016·9	40	W	2	bc	1022·3	+3	37	−2	NNE	3	–	bc	3	0·3	49	36	bcp	bcp	c.bc	2·2
	Castlebay (Barra Isd.)	1018·6	47	NNE	2	o	1022·9	+4	44	−1	NE	3	–	bc	3	–	50	43	o.c.o	o	o.bc	0·4
	Glasgow ...	1016·3	40	ENE	2	cm	1018·9	+4	40	+7	E	1	–	om	*	0·1	43	31	of.bcm	bc.cm	c.om	0·7
	Eskdalemuir ...	1016·3	41	N	1	om	1017·5	+2	42	+12	NNE	4	–	om	*	6	44	30	cx.o.c	o.omd	om.or	0·0
	Malin Head ...	1014·8	47	E	2	cg	1017·5	+2	45	+3	NNE	3	N	bc	3	2	50	41	cg	cg	bc	1·5
	Blacksod Point	1012·9	47	SE	2	ofd	1017·5	+5	46	+3	NE	3	–	omg	2	4	48	43	cg	omd	ofe	*
	Valencia (Cahirciveen)	1013·0	52	–	0	o	1015·8	•	50	0	–	0	–	od	3	1	55	49	o	ord.	odmfod	0·0
	Roche's Point	1013·8	51	ESE	2	fe	1016·3	*	49	−1	ENE	1	–	fe	2	2	53	49	fe	pfe.fe	fe	*
	Birr Castle ...	1013·0	50	–	0	f	1016·5	*	48	0	E	1	–	r	*	3	52	47	o	og.fe	fe.or	0·0
	Donaghadee ...	1014·3	48	E	3	ofg	1017·1	+1	46	0	NE	3	NE	cm	2	2	49	46	ofg	ofg	ofp.	*
	Liverpool (Bidston)	1014·7	48	ESE	1	m	1015·7	+2	48	+3	ESE	2	–	f	1	5	51	45	ogm	of.m	fr	0·0
	Holyhead ...	1013·7	51	–	0	fe	1015·7	+2	49	−1	ENE	4	–	of	2	–	54	48	c.om	om.fe	fdr.fp	0·0
	Pembroke (St. Ann's)	1014·0	54	SSW	1	f	1016·4	+2	52	+1	W	1	–	fd	2	4	54	51	od.fd	fd	fd	0·0
	Hartland Quay	1013·9	51	SSW	4	omr	1017·6	+2	52	+1	SW	4	–	odm	4	5	59	52	o.omd	odm.or	odm	*
	Scilly (St. Mary's)	1015·9	54	W	3	fe	1018·5	+1	54	0	WSW	4	–	f	4	1	55	54	fe	fe	omf	0·0
	Falmouth ...	1015·9	55	W	3	o	1017·8	+2	54	+1	WSW	3	–	od	*	2	57	52	ofde.me	o	oe.od	0·0
	Jersey (St. Aubin)	1016·8	57	W	2	fd	1020·2	*	56	0	W	3	–	ome	2	2	59	55	ofd	ofd	fd.ome	0·0
	Portland Bill ...	1014·4	53	WSW	3	f	1016·5	+1	54	+1	WSW	5	–	f	4	2	54	49	odm	fr	cf.o	*
	Dungeness ...	1016·1	49	SW	5	o	1015·4	+1	53	+2	WSW	3	SW	e	3	3	55	51	bc.o	opq	e.omr.e	*
	Dover	*	*	*	*	*													*	*		
	Wick	1016·5	40	WNW	1	o	1020·5	+2	41	+2	N	3	–	bcp	2	0·1	49	35	bc	bc.omg	og.bcp	*
	Nairn	1016·4	38	–	0	cg	1020·8	*	40	+2	–	0	–	cg	1	–	46	30	bc	bc.c	bcw	4·5
	Aberdeen	1017·2	38	W	1	bcz	1019·6	+3	37	+2	NW	3	NW	b	2	–	48	33	bz	bg	bcz.b	3·8
	Leith	1016·0	42	–	0	b	1018·2	+1	43	+6	NE	1	–	o	2	0·2	43	34	bz.bme	o.c.oz.b	bz.ogo	*
	Tynemouth ...	1015·7	47	–	0	f	1015·4	0	47	+7	NE	2	–	o	3	4	47	39	f	f	omr	*
	Spurn Head ...	1016·5	48	SSE	1	om	1015·1	0	47	0	–	0	–	fe	1	Trace	48	46	om	om	fe	0·0
	Yarmouth (Gorleston)	1016·1	49	SSW	5	o	1014·1	0	50	+5	NW	2	–	f	2	3	51	45	omd	o	omd	0·0
	Clacton-on-Sea	1016·3	49	S	4	r	1015·3	+1	51	+3	W	3	–	f	1	2	51	47	cg	ogmd	ogmd.f	0·0
	Nottingham ...	1015·1	49	SE	1	md	1015·5	*	49	+4	SW	1	–	ome	*	0·4	50	45	om	odm	odm	0·0
	Benson (Oxon.) ...	1014·9	52	ESE	1	r									*				om	mr		*
	Sth Farnborough	1015·4	54	S	2	m	1016·5	+1	54	+5	WSW	2	–	ome	*	1	55	49	od.odm	od.r.ome	odme	0·0
	Salisbury Plain						1016·8	+1	53		WSW	2	–	om	*	Trace	53	48	odm		odm	*
	London (Kew Obsy.)	1015·3	55	S	2	omr	1016·3	+1	53	+5	SW	2	–	o	*	5	55	48	fgw.omd	omd.om.omr	owr.md.o	0·0
NORTHERN EUROPE.	Spitsbergen ...	1012·8	7	–	0	b	1013·8	0	3	−13	SSE	1	*	e	*	*	16	−2				
	Vardö	1004·4	41	SW	6	c	1009·2	+3	37	−2	S	S	–	o	3	*	41	30				
	Bodö	1004·0	45	SE	2	c	1005·8	0	41	0	E	1	–	bc	1	?	45	37				
	Christiansund ...	1011·1	43	–	0	r	1010·8	0	43	−3	SW	3	–	b	4	13	46	39				
	Skudesnaes ...	1017·0	48	SW	4	bc	1016·6	0	41	−5	–	0	–	c	3	3	48	39				
FRANCE, &c.	The Helder ...	1020·3	46	SE	2	o	1016·2	−2	43	+7	SSE	2	–	r	1	2	50	37				
	C. Gris Nez ...	1017·0	48	S	4	f	1016·7	+1	54	+8	SW	3	*	o	3	2	54	48				
	La Hève	1017·2	50	–	0	f	1019·9	*	54	+5	W	4	*	f	3	15	54	49				
	Brest (St. Mathieu)	1019·9	57	W	4	m	1022·2	+2	55	+2	WSW	3	*	c	4	–	57	53				
	Rochefort (Ile d'Aix)	1021·6	58	W	5	f	1023·4	+1	56	–	W	3	*	o	*	3	61	55				
	Biarritz	1023·8	61	WNW	2	b	1023·6	+1	54	–	–	0	*	b	5	–	63	54				
	Paris	1019·6	50	SSE	2	o	1019·9	+2	52	+7	SSE	1	–	o	*	1	54	45				
	Belfort	1024·4	40	E	2	b	1025·9	*	36	0	–	0	*	c	*	–	48	32				
	Lyons	1021·6	48	–	0	o	1023·6	*	46	+7	–	0	*	f	*	2	51	39				
	Nice	1021·6	50	–	0	o	1023·0	+1	47	+1	E	3	*	b	2	–	59	43				
	Perpignan ...	1021·4	61	NW	4	o	1023·1	+2	59	+11	NW	1	W	o	*	3	63	48				
	Sanguinaire ...	1018·3	61	SSW	1	b	1020·6	*	57	+2	E	3	*	b	2	–	68	52				
SOUTHERN STATIONS.	Corunna	1024·0	63	NE	1	b	1023·0	+1	50	−9	–	0	SW	b	2	–	63	45				
	Madrid	1021·4	61	–	0	b	1026·2	+2	45	0	ENE	1	–	b	*	–	63	41				
	Lisbon																					
	Azores (Horta) ...		*				1007·3	+4	64		NE	6	*	o	3	3	64	61				
	Madeira	1013·1	68	SE	3	bc	1013·4	+1	64	−2	S	3	N	o	3	–	73	63				
	Gibraltar	1021·3	63	E	4	b	1021·7	*	63	+8	E	5	*	bc	4	–	71	54				
	Malta	*	*	*	*	*	1005·8	+3	55	–	ENE	4	–	bc	5	14	64	55				
	Limassol	*	*	*	*	*	1016·0	0	63	−5	–	0	–	b	0	–	79	52				
	Alexandria ...	1016·3	70	ENE	1	c	1014·0	0	73	+3	ENE	1	–	o	0	–	79	68				
	Cairo (Helwan) ...	1013·6	72	NE	4	o	1012·8	+1	64	−4	–	0	–	o	*	–	86	64				

LONDON 2nd NOVEMBER, 9h. G.M.T.	Humidity. 13 h. 1st	Humidity. 9 h. 2nd.	Sunshine for 1st.	24 Hours ended 9 h. 2nd. Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	96	97	0·0	54	50	50	1	od·0	od	od
CITY (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	95	99	0·0	56	51	50	1	md	md	me·.me
CAMDEN SQ. (British Rainfall) ..	99	96	0·0	56	51	50	2	od·fd	fd	*
HAMPSTEAD (Reservoir)	*	100	0·0	53	51	46	3	cf.odf	omr	om
S. KENSINGTON (Museum Grounds)	*	95	0·0	55	50	52	2	odm.om	odf	odm

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 1st.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
110	3·0	7·0

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

BEAUFORT NOTATION.

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

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 Meteorological Office.

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,435. SATURDAY, 3RD NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

Good sunshine records were obtained at one or two stations on our North-West coasts, but for the most part weather was dull. Heavy rain fell in the West of Ireland. Temperature was mild in England reaching 60° at South Farnborough.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 2ND NOVEMBER

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 2ND
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	1	Trace	45	27	bc.r.c	o.c	2.6
Scotland, E.	Montrose							
Scotland, E.	St. Andrews	-	-	47	32	c	c	1.9
Eng. N.E.	Harrogate	6	Trace	47	44	f	m	0.0
Eng. N.E.	Skegness	Trace	1	50	46	o	o	0.0
England, E.	Felixstowe	3	Trace	54	47	f	f	0.0
England, E.	Walton-on-Naze							
England, E.	Southend-on-Sea	3	-	57	48	om	om	0.0
England, S.E.	Margate	Trace	1	55	48	od	odg	0.0
England, S.E.	Hastings	2	-	57	50	or.o	o	0.0
England, S.E.	Eastbourne	2	Trace	58	52	om.bc	o.bc.o	0.8
England, S.E.	Seaford	*	*	55	53	o	m	0.0
England, S.E.	Brighton							
England, S.E.	Worthing	1	-	57	53	oe	oe	0.0
England, S.E.	Littlehampton	*	*	58	50			0.0
England, S.E.	Bognor	*	*					
England, S.E.	Bournemouth	Trace	-	59	52	o	o	0.9
Sc'tld W.	Oban	-	-	48	33	b.bc	o	5.3
Eng. N.W.	Morecambe	5	-	51	46	*	*	0.0
Eng. N.W.	Southport	6	-	49	47	oe	oe	0.0
Midlands.	Ross-on-Wye	2	-	57	51	bc.c	c.om	0.0
Wales.	Rhyl	5	-	50	48	r.o	o	0.0
Wales.	Colwyn Bay	2	2	50	49	qr	bc	0.0
Wales.	Llandudno	*	*	51	48	o	o	0.1
Wales.	Aberystwyth	*	*	52	50	r.o.c	c.o	0.0
England, S.W.	Weymouth	*	*	59	54	o.c.bc	c.o.m	0.6
England, S.W.	Torquay			58	54	o	o	0.0
England, S.W.	Paignton	*	*					
England, S.W.	Penzance	2	-	57	55	drnf	o.f.o	0.0
England, S.W.	Newquay	2	Trace	55	52	fe	fe	0.0
England, S.W.	Ilfracombe							
England, S.W.	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 2ND NOVEMBER

	STATIONS.	Evening of 1ST: Barom. Millibars at M.S.L.	Temp.	Wind: Direc.	Wind: Force 0–12.	Weather.	Morning of 2ND: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
Russia	Archangel	1027.3	32	S	6	b	1035.4	-1	37	+1	SW	4	o	-	*	34
Russia	Gorki	1032.3	36	-	0	b	1032.2	*	37	+9	-	0	o	-	*	37
Russia	Vyshni Volochek	1035.1	36	S	2	b	1034.9	*	30	-2	S	2	c	-	*	30
Russia	Hango	1022.0	45	SSE	3	r	1022.4	0	43	0	-	0	o	5	*	41
Russia	Petrograd	1028.3	41	SSW	3	o	1027.1	-1	41	+7	S	4	o	-	43	34
Russia	Moscow	1039.4	34	SE	2	b	1039.5	+1	30	0	SSE	1	b	-	*	28
Russia	Kiev	1031.9	43	ESE	1	o	1034.0		34	-2	SE	3	b	-	*	34
Russia	Kharkov	1036.0	39	NE	3	b	1036.8	+0	34	0	NE	2	b	-	*	34
Russia	Kishinev														*	
Russia	Elisabetgrad														*	
Russia	Nicolaiev							*							*	
Russia	Odessa	1028.4	46	ENE	2	o									*	
Russia	Tarkhankout							*							*	
Russia	Soukhoum														*	
Mediterranean.	Venice	1022.1	52	-	0	bc	1023.0	*	46	-1	NNE	1	b	-	59	48
Mediterranean.	Turin	1023.4	41	-	0	b	1025.3	*	39	-2	-	0	b	-	54	37
Mediterranean.	Pesaro	1022.1	52	W	1	o	1021.8	*	52	+2	N	3	c	2	64	46
Mediterranean.	Leghorn	1021.0	52	-	0	b	1021.7	*	48	-4	-	0	b	-	59	45
Mediterranean.	Rome	1018.6	54	N	1	b	1018.1	*	48	+2	N	2	b	-	63	46
Mediterranean.	Viesti	1019.5	57	WNW	1	b	1018.7	*	59	+5	NW	1	r	-	63	54
Mediterranean.	Brindisi	1017.1	61	N	2	r	1016.1	*	61	-2	NW	3	o	11	61	59
Mediterranean.	Cagliari	1018.7	63	NW	3	b	1018.7	*	59	-4	NW	4	b	-	64	46
Mediterranean.	Palermo	1014.7	59	NNE	3	r	1012.9	*	61	+6	N	4	r	3	70	55
Mediterranean.	Tripoli	1014.0	63	N	2	r	?	*	63	+6	NW	3	r	49	64	54
Mediterranean.	Algiers	1020.8	64	NNE	3	bc	1022.7	+2	61	-3	-	0	o	-	70	59
Sweden	Hernösand	1013.6	39	S	2	b		*						*	*	*
Sweden	Stockholm	1020.3	43	SSW	2	o		*						*	*	*
Sweden	Wisby	1022.7	45	WSW	2	o		*						*	*	*

Morning of 2ND

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	1021.8	28	+5	-	0	c
Reykjavik	1026.2	25	0	-	0	c
Vestmanna	1026.6	23	-3	N	5	b
Seydisfjord	1025.2	16	-14	N	2	b
Thorshavn	1019.8	30	-8	NNW	4	o

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

3RD AND 4TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.51	11.37	4.20
	6.56	11.37	4.18
Greenwich	6.59	11.44	4.29
	7.1	11.44	4.27
Wick	7.35	11.56	4.17
	7.38	11.56	4.14
Valencia	7.4	12.25	5.9
	7.3	12.25	5.7

‡ The barometric change is expressed in half-millibars

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By Wm. Clowes & Sons Ltd., Fetter Lane, London, E.C. and Reading.

THE MORNING OF SATURDAY, 3RD NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST DISTRICTS.

EXPLANATION.

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

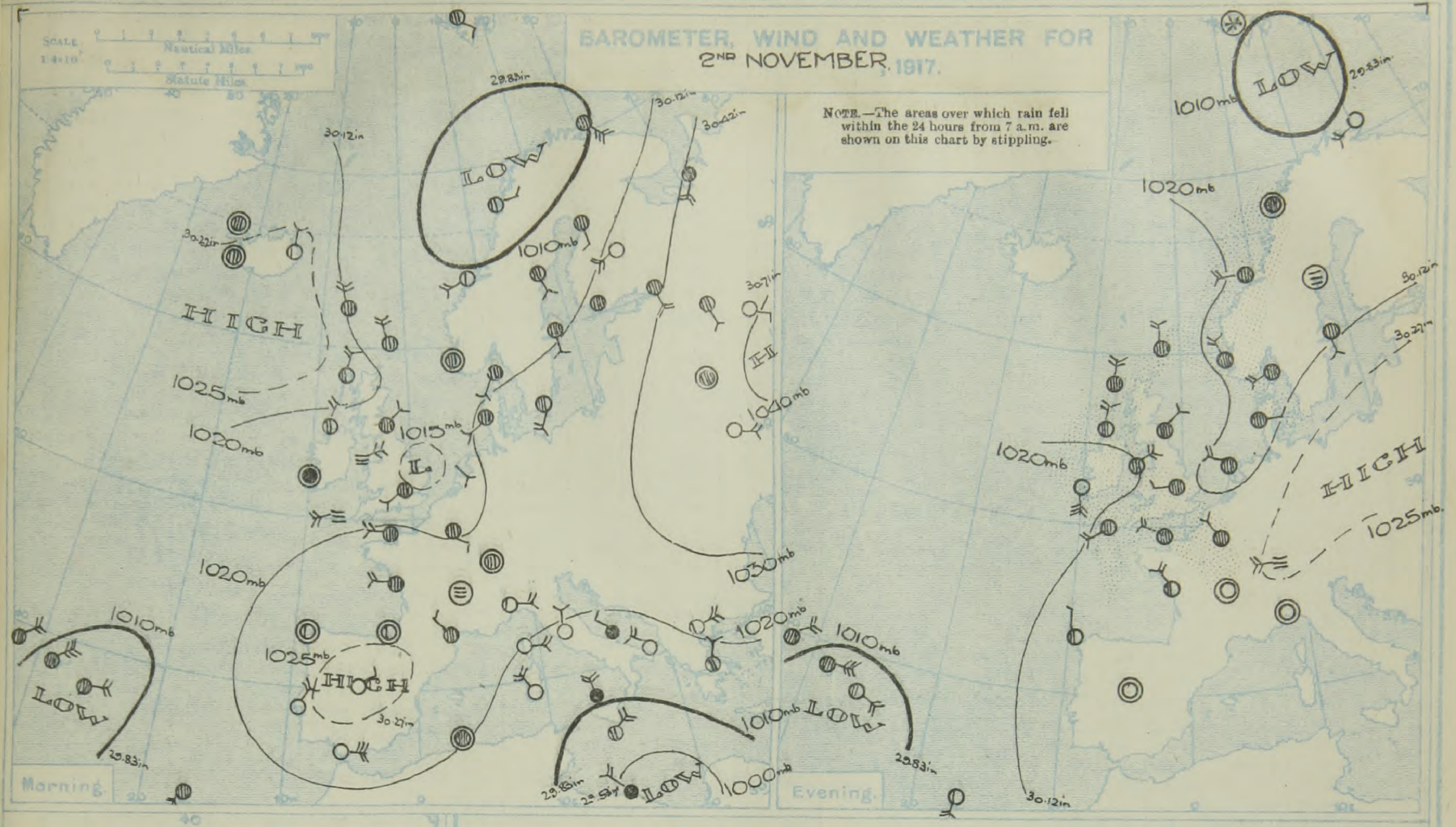
WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers. Calm ○

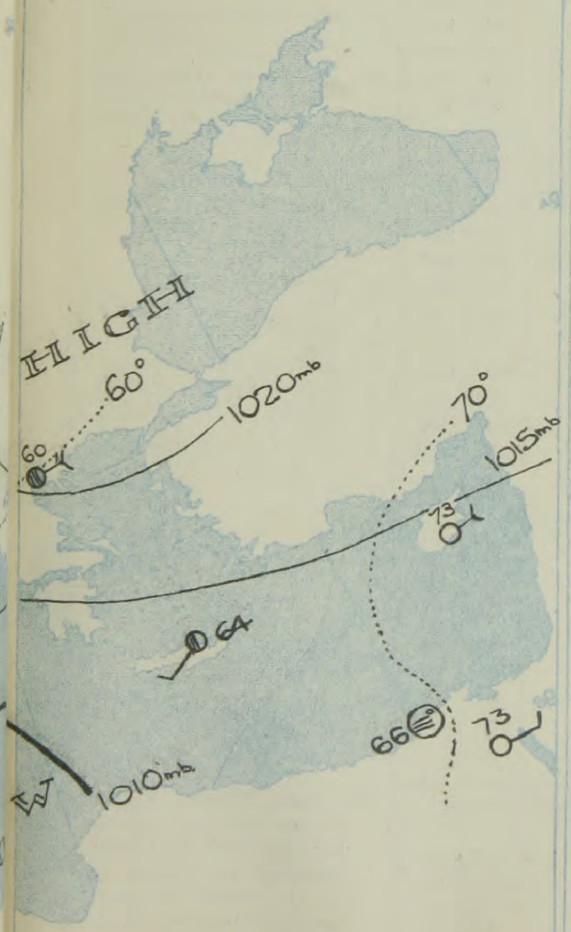
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

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 ≈≈.

Normal Temperature of the Sea.
Below 50 | 50°-60° | 60°-70° | Above 70°
Scale of Tints for NOVEMBER.





The Present Conditions

An anticyclone now covers the North Sea and extends down to Germany. A depression has spread in to the South-West of Ireland, but is scarcely changing its position at present. Another depression has appeared to the North-West of Iceland. Under the influence of the anticyclone very light winds prevail over the North Sea, England and Scotland. In the Irish Sea and over parts of Ireland a fresh breeze from between S. and E. is blowing and rain is falling at many stations. Elsewhere not much rain is reported but the sky is very generally overcast. On the further side of the North Sea weather is fairer and in Southern Norway the sky is cloudless.

The General Outlook

While the anticyclone is likely to maintain its influence over the North Sea, the British Isles will be affected by depressions on the Atlantic which will cause dull unsettled weather and a Southerly wind current.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 307. Saturday, 3RD NOVEMBER.

	STATIONS.	Evening of 2nd.: Barom. Millibars at M.S.L.	Temp. °F.	Wind: Direc.	Wind: Force 0–12.	Weather.	Morning of 3rd.: 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.	24 hours ended 7 A.M. 3rd.: Rainfall. Millimetres.	Temp.: Max. °F.	Temp.: Min. °F.	Weather: Morning.	Weather: Afternoon.	Weather: Night.	Sunshine for 2nd. Hours.
BRITISH ISLANDS.	Lerwick ...	1024·3	36	N	3	o	1027·5	0	36	−1	N	1	–	o	1	1	37	32	c.os/p	o	bc.o	*
	Deerness (Orkney)	1025·7	38	NNE	4	o	1028·4	*	37	−3	NW	1	–	c	0	–	41	36	c. o	o	o.c	2·3
	Stornoway ...	1028·3	39	NNE	4	o	1026·6	−2	38	−2	SE	2	–	b	2	0·2	41	33	cp	c. o	bc.b	0·0
	Castlebay (Barra Isd.)	1027·1	43	NE	5	o	1026·3	0	42	−2	E	4	–	bc	4	1	47	41	bc.op.c	c.bc.o	o.bc	6·0
	Glasgow ...	1024·7	39	ENE	2	c	1026·5	0	39	−1	ENE	4	–	og	*	–	43	35	o.c.bc.c	o. c	c.b.og	1·8
	Eskdalemuir ...	1024·2	40	NE	4	c	1027·3	+1	38	−4	ENE	2	–	o	*	0·1	44	37	omd.om	o.c	c.o	0·1
	Malin Head ...	1022·3	46	NNE	3	c	1019·7	0	45	0	SE	6	SE	cirq	5	1	48	43	bc	bc	cmpq	5·7
	Blacksod Point	1019·1	44	NE	4	omr	1016·9	+2	47	+1	NE	1	–	ofe	2	19	47	43	cg	omr	or.ofe	*
	Valencia (Cahirciveen)	1012·3	52	S	5	o	1010·4	−1	47	−3	ENE	5	E	or	?	12	56	47	or.d.or	ogp	c.or	0·0
	Roche's Point	1016·3	52	SE	2	fc	1016·6	*	49	0	S	3	–	o	3	7	54	49	fde	fd	fd.o	*
	Birr Castle ...	1017·4	47	E	1	r	1016·7	*	50	+2	ESE	1	–	o	*	4	50	46	or	or	or.o	0·0
	Donaghadee ...	1021·3	47	E	4	cm	1020·4	+1	46	0	ESE	6	–	omrq	5	5	48	45	cm	cm	omrq	*
	Liverpool (Bidston)	1021·8	47	R	2	m	1023·9	+1	44	−4	E	3	–	omg	2	1	50	44	o.m	odm	om	0·0
	Holyhead ...	1019·9	49	NE	4	cm	1020·5	+1	51	+2	SSE	4	S	o	3	3	55	49	of.cm.c	bc.cm	c.ofd	2·7
	Pembroke (St. Ann's)	1020·5	52	S	2	o	1020·3	+1	54	+2	S	3	–	ofd	3	3	54	52	of	of.o	f.b.o	0·0
	Hartland Quay	1021·2	54	SSW	2	ofd	1021·1	0	54	+2	SSE	2	S	e	2	4	56	52	ofd	ofd	omd.c	*
	Scilly (St. Mary's)	1020·9	53	SW	3	c	1019·3	+1	53	−1	SSW	3	S	omr	4	13	55	51	fe	fe	c.omr	0·0
	Falmouth ...	1021·4	54	SW	3	omd	1020·0	−2	53	−1	SE	3	–	omd	*	2	56	51	cd.omg	ome.om	dme.m	0·0
	Jersey (St. Aubin)	1022·9	55	WNW	3	o	1023·5	*	54	−2	E	1	–	oe	1	0·3	54	53	oe.c.o	o.c.o	oe	0·3
	Portland Bill ...	1020·8	55	WSW	5	o	1022·8	0	54	0	SE	3	S	c	3	0·2	56	52	of.c	em	od.bc	*
	Dungeness ...	1020·3	55	WSW	2	or	1023·7	+1	53	0	E	3	–	og	3	0·4	56	53	c.o.c	omr	cm.o	*
	Dover	*	*	*	*	*														*		
	Wick	1026·4	39	N	3	o	1028·7	0	33	−8	WNW	2	–	o	2	–	43	31	bcp.om	omg	omg	*
	Nairn	1026·4	39	N	2	ou	1027·4	*	30	−10	SSE	1	–	b	1	2	43	27	cg	cp4	bcx	0·8
	Aberdeen	1025·8	40	NW	2	o	1025·8	+1	37	0	–	0	–	oz	2	–	47	36	b.bc	bc.c.o	oz	4·9
	Leith	1023·7	44	ENE	2	bc	1027·2	0	42	−1	ESE	1	–	o	3	–	46	40	o.c.bc	c.bc.c	bc.c.o	*
	Tynemouth ...	1022·9	47	NE	2	oq	1027·0	+1	45	−2	E	2	–	og	3	–	47	42	om	oq	ep	*
	Spurn Head ...	1021·3	47	N	2	o	1026·7	+1	47	0	E	3	–	c	4	Trace	48	45	om	om	om.c	0·0
	Yarmouth (Gorleston)	1019·7	49	NW	2	f	1025·7	+2	48	−2	E	2	–	c	2	–	54	37	f	fd	fd.om	0·0
	Clacton-on-Sea	1020·3	54	WNW	1	m	1025·3	+2	48	−3	NNE	2	–	o	1	0·4	55	47	ogf.md	ogme	ogme	0·0
	Nottingham ...	1022·1	49	NNE	2	o	1025·7	*	45	−4	SW	3	–	om	*	2	52	45	omd	om	oe	0·0
	Benson (Oxon.) ...														*							*
	Sth Farnborough	1021·1	56	WNW	1	o	1024·3	0	49	−5	ENE	2	–	omr	*	4	60	49	ome	o	omr	0·1
	Salisbury Plain						1024·0	0	49	−4	ESE	2	–	om	*	2	57	49			od.mr	*
	London (Kew Obsy.)	1021·0	55	W	1	om	1024·7	+1	50	−3	E	3	–	om	*	0·2	55	49	o.od.o	o.om.md.om	om.md.m	0·0
NORTHERN EUROPE.	Spitsbergen ...	1010·7	7	–	0	5	1008·6	−2	10	+7	NW	2	*	s	*	*	7	3				
	Vardö	1012·7	37	SW	2	o	1008·6	0	34	−3	SW	2	–	b	2	*	37	30				
	Bodö	1011·8	43	–	0	o	1019·0	+3	41	0	S	1	–	c	1	?	45	37				
	Christiansund ...	1019·6	41	W	3	o	1025·1	+2	39	−4	WSW	2	–	b	3	10	43	39				
	Skudesnaes ...	1019·9	37	NNW	3	o	1025·1	+2	36	−5	NNE	3	–	b	2	3	46	34				
	Færder (X'iania Fjord)	1016·8	43	WSW	2	bc	1023·4	+5	39	−7	N	5	–	b	2	–	46	37				
	The Scaw (Skagen)	1013·0	43	SW	3	o	1020·7	+4	45	0	NNE	2	–	bc	2	1	46	44				
	Blaavands Huk	1018·6	41	ESE	1	o	1023·9	+4	45	0	NW	2	–	c	*	4	46	39				
	Copenhagen ...	1020·6	48	S	2	m	1022·2	+3	41	−4	NW	2	–	f	*	Trace	46	41				
	Bornholm ...	1021·2	45	S	2	m	1020·8	+2	45	+2	N	2	–	o	0	Trace	45	41				
FRANCE &c.	The Helder ...	1018·0	50	WNW	3	o	1025·5	+3	48	+5	N	1	W	bc	1	–	50	43				
	C. Gris Nez ...	1020·6	54	WSW	3	m	1025·0	+1	50	−4	E	3	*	o	2	–	55	50				
	La Hêve	1023·2	54	SW	4	o	1025·5	*	50	−4	SE	3	*	m	2	–	55	48				
	Brest (St. Mathieu)	1024·3	55	WSW	3	o	1022·7	−2	54	−1	SSE	4	*	r	4	1	57	54				
	Rochefort (Ile d'Aix)	1024·3	57	NNW	3	bc	1024·2	0	54	−2	ENE	2	*	o	*	–	64	52				
	Biarritz												*									
	Paris	1023·6	57	NNW	1	o	1025·1	+1	50	−2	–	0	W	c	*	1	61	50				
	Belfort	1023·2	46	W	4	f	1026·4	*	48	+12	*	0	*	f	*	–	48	36				
	Lyons	1024·7	50	–	0	o	1024·7	*	50	+4	–	0	*	f	*	1	53	46				
	Nice	1023·1	50	–	0	b	1022·6	0	48	+1	–	0	*	b	2	–	61	43				
	Perpignan ...														*							
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1022·3	61	N	1	bc	1025·9	+3	52	+2	–	0	–	c	2	–	63	45				
	Madrid	1022·8	57	–	0	b	1026·8	+2	43	−2	NNE	1	–	b	*	–	59	39				
	Lisbon	1021·1	68	–	0	b	1022·7	+1	57	–	N	1	–	b	6	–	72	55				
	Azores (Horta) ...	1008·3	*	E	6	o	1016·0	+2	64	0	ENE	5	*	b	3	1	68	64				
	Madeira	1015·6	68	E	3	b	1017·4	+1	63	−1	NE	2	N	bc	2	–	72	63				
	Gibraltar	1022·3	63	E	4	c	1022·3	*	60	−3	E	4	*	bc	3	–	66	59				
	Malta	*	*	*	*	*	1010·3	+3	61	+6	NE	3	–	o	5	2	68	55				
	Limassol	*	*	*	*	*	1014·4	0	73	+10	E	2	–	b	0	–	82	61				
	Alexandria ...														*							
	Cairo (Helwan) ...																					

BEAUFORT NOTATION.

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

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 Meteorological Office.

LONDON 3RD NOVEMBER, 9h. G.M.T.	Humidity. 15 h. 2nd. %	Humidity. 9 h. 3rd. %	Sunshine for 2nd. Hours.	24 hours ended 9 h. 3rd.: Temperature. Max. °F.	Temp. Min. °F.	Temp. Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	88	99	0·0	58	48	48	3	odo.od	od	od.or
CITY (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	93	93	0·0	59	49	49	5	me	dme	mr
CAMDEN SQ. (British Rainfall) ...	92	100	0·0	58	48	48	4	o	o	*
HAMPSTEAD (Reservoir)	*	99	0·0	55	47	42	?	ofd	om	omr
S. KENSINGTON (Museum Grounds)	*	96	0·0	59	50	50	8	omd	om.md	omr

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ... 2nd.

Total. Joules.	Average Rate. Milliwatts.	Max. Rate. Milliwatts.
110	3·1	8·0

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

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,436. SUNDAY, 4TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

In the north the day was rather cold, with temperature below 50°, but locally in the south some maxima were above 55°, at Paignton 59°. There was considerable rain in the south-west of England. Very little or no sunshine was registered

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 3RD NOVEMBER

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 3rd
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	-	-	43	36	0.c	bc.c.b	0.9
	Montrose	-	-	45	36	0	0	0.0
	St. Andrews							
Eng. N.E.	Harrogate	-	Trace	47	41	0	0	0.0
	Skegness	*	*	48	45	0	0	0.0
England, E.	Felixstowe	-	-	51	46	cm	c.bc	0.0
	Walton-on-Naze							
	Southend-on-Sea	-	6	52	?	cm	crl	0.0
England, S.E.	Margate	Trace	-	54	50	0	0	0.1
	Hastings	4	2	56	51	or	f.m	0.0
	Eastbourne	5	Trace	56	52	oq	c.bc.0	0.2
	Seaford	*	*	58	51	r.0	0	0.0
	Brighton							
	Worthing	3	Trace	55	53	0	c	0.0
	Littlehampton	*	*	55	51			0.0
	Bognor	*	*					
	Bournemouth	-	Trace	55	49	0	0	0.0
Scotland, W.	Oban	-	-	45	33	0	0	0.0
Eng. N.W.	Morecambe	1	2	46	44	* or	* oe.0	0.0
	Southport							
Midlands.	Ross-on-Wye	Trace	-	52	48	0	m	0.0
Wales.	Rhyl							
	Colwyn Bay							
	Llandudno	*	*	51	48	cp	qv	0.0
	Aberystwyth	*	*	54	50	r.0	c.0	1.2
England, S.W.	Weymouth	*	*					
	Torquay	-	8	57	48	od	od	0.8
	Paignton	*	*	59	44	r	r	
	Penzance	10	1	57	50	a.f. bc	c.0.r	1.5
	Newquay							
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 3RD NOVEMBER

	STATIONS.	Evening of 2ND: Barom. Millibars at M.S.L.	Evening of 2ND: Temp.	Evening of 2ND: Wind Direc.	Evening of 2ND: Wind Force 0–12.	Evening of 2ND: Weather.	Morning of 3RD: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					±	°F.	°F.					F	F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1023.0	37	S	3	0	1021.1		46	+9	SSW	3	0	-	*	37
	Gorki	1033.5	37	S	1	b		*							*	
	VyshniVolochek	1033.2	39	S	2	0	1029.9	*	34	+4	SE	2	0	-	*	34
	Hangö														*	
	Petrograd	1026.3	45	SSW	3	0	1022.6	-2	43	+2	SSE	3	0	2	45	41
	Moscow	1037.9	36	SSE	2	b	1035.9	+1	30	0	SSE	2	b	-	*	30
	Kiev	1033.1	39	SE	3	b	1031.8	-1	30	-4	SE	3	b	-	*	? 30
	Kharkov	1036.0	36	ENE	3	b	1021.6	-1	30	-4	ENE	2	b	-	*	30
	Kishinev						1033.9	+1	43		NW	2	0	-	*	39
	Elisabetgrad	1032.0	39	ENE	4	b	1031.0	-1	30		S	2	b	-	*	? 30
	Nicolaiev						1027.4	*	39		ENE	3	0	-	*	36
	Odessa	1028.8	48	E	3	0	1028.2	-3	41		ENE	3	c	-	*	39
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1023.0	52	-	0	b	1023.1	*	46	0	N	1	b	-	59	45
	Turin	1025.8	48	-	0	b	1025.3	*	39	0	-	0	b	-	57	39
	Pesaro	1020.3	55	W	2	0	1023.8	*	52	0	NW	3	0	-	57	48
	Leghorn	1021.0	52	-	0	b	1021.0	*	50	+2	-	0	b	-	59	48
	Rome	1017.4	54	N	3	b	1018.2	*	54	+6	N	1	c	-	63	50
	Viesti	1016.7	54	WNW	1	0	1019.7	*	59	0	W	1	b	5	59	54
	Brindisi	1016.2	63	NW	3	0	1016.2	*	64	+3	NW	3	b	*	67	48
	Cagliari	1016.1	63	NW	4	b	1018.7	*	61	+2	NW	4	bc	-	64	48
	Palermo						1012.9	*	59	-2	-	0	0	?	63	57
	Tripoli						1011.9	*	66	+3	N	4	0	44	66	55
	Algiers	1021.6	63	-	0	bc	1020.4	+1	63	+2	N	2	r	1	66	59
Sweden	Hernösand	1015.1	35	-	0	f	1019.9	*	32		-	0	b	*	*	*
	Stockholm	1019.5	39	S	2	0	1019.2	*	48		NW	2	0	*	*	*
	Wisby	1022.3	43	SSE	2	0	1020.3	*	43		SW	2	c	*	*	*

Morning of 3RD

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	1005.4	41	+13	SW	8	c
Reykjavik	1008.4	39	+14	S	4	r
Vestmanna	1012.8	39	+16	SE	5	r
Seydisfjord	1014.6	32	+16	-	0	c
Thorshavn	1021.4	39	+9	WSW	5	0

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

4TH AND 5TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.56 / 6.58	11.37 / 11.37	4.18 / 4.16
Greenwich	7.1 / 7.3	11.44 / 11.44	4.27 / 4.25
Wick	7.38 / 7.40	11.56 / 11.56	4.14 / 4.12
Valencia	7.43 / 7.45	12.25 / 12.25	5.7 / 5.5

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± The barometric change is expressed in half-millibars

THE MORNING OF SUNDAY, 4TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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.

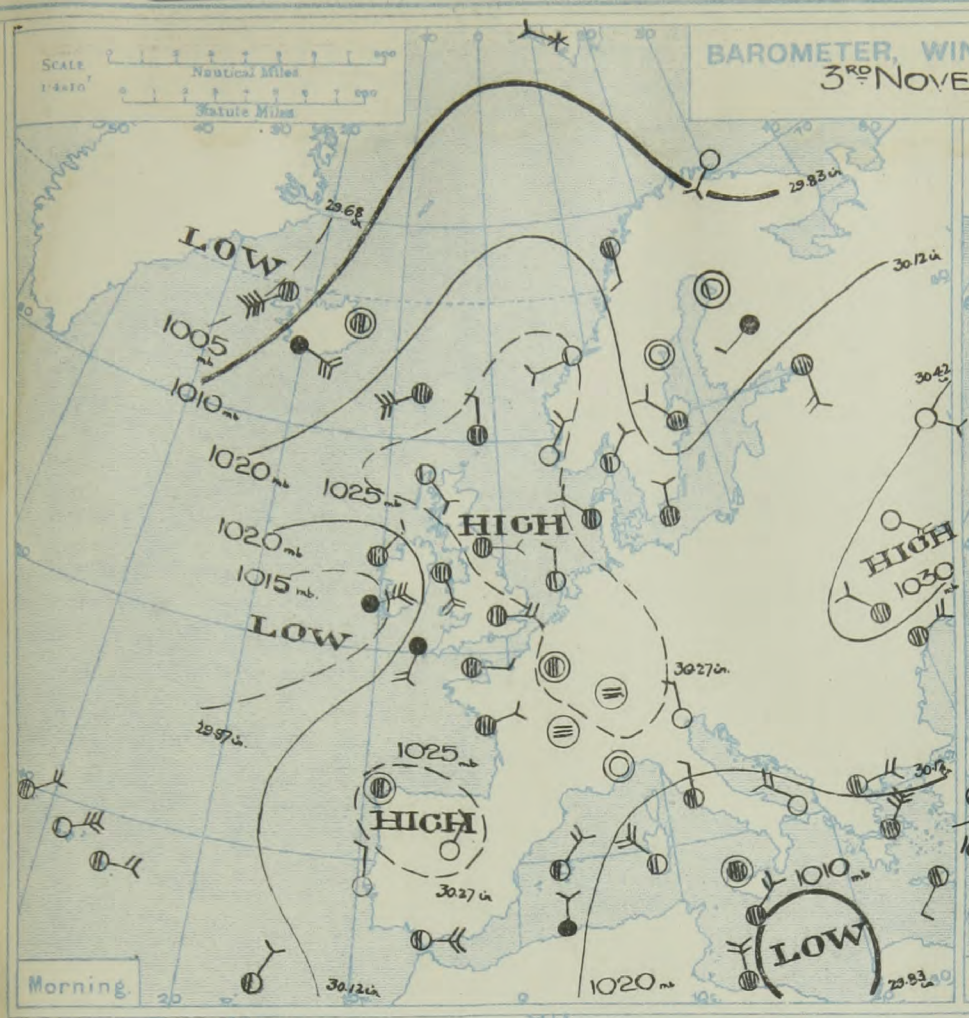
WEATHER.—Shown by the following symbols:—
clear sky. sky ¼ clouded. sky ½ clouded.
sky ¾ clouded. overcast sky. rain falling.
snow. hail. fog. mist. thunder.
thunderstorm.

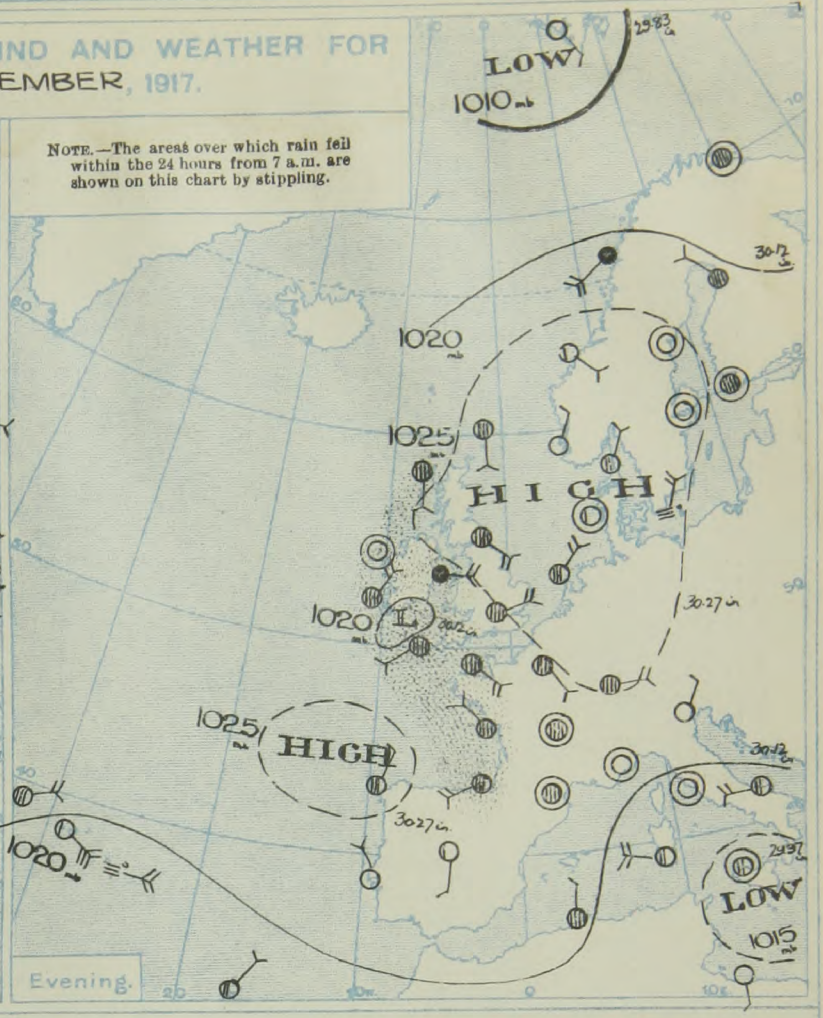
SEA DISTURBANCE.—Rough. High.

Scale 1 : 2×10⁷
Nautical Miles
Statute Miles

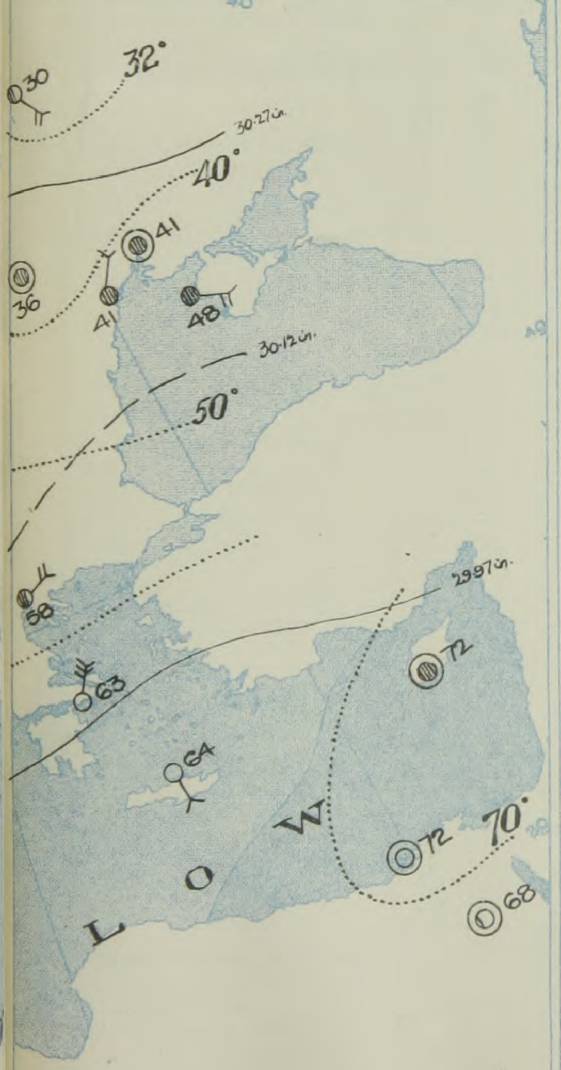
Normal Temperature of the Sea.
Below 50° 50°-60° 60°-70° Above 70°
Scale of Tints for NOVEMBER.

BAROMETER, WIND AND WEATHER FOR 3RD NOVEMBER, 1917.





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



The Present Situation

A depression centred near Iceland extends to the North West coasts of the British Isles, and another shallow depression lies over North West France. An anticyclone is centred over Denmark, and another off the Bay of Biscay. In the north winds are strong from the South, and South West on the outer islands. In the English Channel a moderate Easterly current prevails, but elsewhere over the British Isles light breezes are general. On the eastern side of the North Sea weather is fine, but over this country a good deal of cloud is reported but with clearer skies in Wales, the Bristol Channel and in the London dsitricts. Fog is reported from one or two isolated stations.

R. G. K. LEMFFERT. Superintendant, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No 308

SUNDAY 4TH NOVEMBER

	STATIONS.	EVENING OF 3RD: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	MORNING OF 4TH: 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.	24 HOURS ENDED 7 A.M. 4TH: Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 3RD Hours.
BRITISH ISLANDS.	Lerwick ...	1026·5	42	S	2	o	1018·2		48	+12	S	6		oq m	5		48	35	o	o	om.	*
	Deerness (Orkney)	1025·0	42	SSE	4	bc	1018·6	*	47	+10	S	5	-	o	4	-	48	37	cp.c	c. bc	c. o	1·4
	Stornoway ...	1023·3	45	S	2	o	1017·9	-1	49	+14	SW	6	-	oq	5	1	49	34	b	bc	o/p.q	4·2
	Castlebay (Barra Isd.)	1025·3	49	SE	5	o	1021·5	0	51	+9	SSW	4	-	op	4	0·1	51	42	bc o	op	op	0·0
	Glasgow ...	1026·5	42	ENE	3	ogm	1025·5	0	42	+3	-	0	-	odgm	*	-	43	38	ogm	ogm	ogm	0·0
	Eskdalemuir ...	1027·4	40	S	2	om	1026·0	-1	41	+3	SSE	1	-	o	*	0·1	42	37	op.o	om	om	0·0
	Malin Head ...	1022·8	46	SE	3	om	1022·2	0	48	+3	S	2	-	om	2	-	49	45	om	om	om	0·0
	Blacksod Point	1021·9	49	-	0	bq	1022·8	+2	47	0	SSW	3	-	ogm	2	1	53	43	c	bq	bq.o f c	*
	Valencia (Cahirciveen)	1021·0	50	NNE	3	o	1025·3	+1	48	+1	-	0	-	o	3	2	52	45	r.o.c.	c.bc c.o	bc.bc.o	1·0
	Roche's Point	1019·4	47	SE	3	bc	1025·0	*	45	-4	N	1	-	f	2	2	50	42	org	r.o.bc	b.of	*
	Birr Castle ...	1020·5	51	NE	1	c	1024·6	*	48	-2	-	0	-	m	*	-	55	45	o.c	c	c. f	1·4
	Donaghadee ...	1023·3	47	SSE	5	oqm	1024·5	+2	48	+2	S	2	-	odm	2	2	48	46	orqm	oqm	ogm	*
	Liverpool (Bidston)	1024·8	46	E	3	o	1025·4	+1	46	+2	E	2	-	bc	2	2	47	44	odm	o.m	o.c	0·0
	Holyhead ...	1021·8	50	E	4	cdqm	1023·8	0	45	-6	E	2	-	b	1	Tr.	52	45	oc.dpm	c. dpm	c.bc.bq	0·0
	Pembroke (St. Ann's)	1020·5	52	S	1	c	1023·6	0	49	-5	E	2	-	b	2	15	54	49	or.op	epr	bc.or.c	0·3
	Hartland Quay	1020·4	53	S	2	o	1021·9	+2	52	-2	E	3	-	cqm	2	13	55	50	c.om.o	or.pq	o. bc	*
	Scilly (St. Mary's)	1020·3	50	SW	2	o	1022·3	+2	50	-3	N	3	N	c	4	1	55	47	c.bc.c	c. op	odm.c	2·2
	Falmouth ...	1020·2	50	W	1	o	1021·1	0	50	-3	NNE	1	-	b	*	14	56	43	r.d	c.om	od.bcpq	0·7
	Jersey (St. Aubin)	1021·2	56	SE	3	o	1019·5	*	53	-1	E	3	-	o	3	14	57	52	or.b.bc	bc.c.o	or. o	4·2
	Portland Bill ...	1021·3	54	SE	3	cr	1020·4	+2	53	-1	ENE	6	-	o	5	14	56	51	bc.c	c.r	cr. o	*
	Dungeness ...	1024·1	52	ESE	4	oq	1024·0	0	50	-3	E	5	E	bc	4	-	54	50	o	oq	o.bc	*
	Dover	*	*	*	*	*													*	*		
	Wick	1024·9	44	S	5	o	1020·3	-1	47	+14	SSW	4	S	o	4	-	47	33	oq.bc	bc.omq	omqq	*
	Nairn	1025·4	39	-	0	oq	1021·1	*	44	+14	SW	1	-	bc	1	-	45	29	fu.c.b	bc.c	cw	0·0
	Aberdeen	1027·9	43	S	3	o	1024·7	+1	43	+6	SW	2	-	o	2	-	44	36	oq.c	e.ov	o	0·0
	Leith	1026·8	43	E	1	o	1025·0	0	44	+2	SW	1	-	o	2	-	45	42	o	oq.od	omoqq	*
	Tynemouth ...	1027·8	44	SE	3	o	1027·4	-1	43	-2	SE	1	-	f	3	-	45	42	o	o	om	*
	Spurn Head ...	1027·2	45	E	3	o	1027·1	0	47	0	ESE	2	-	ov	3	-	47	46	o	o	ov	0·0
	Yarmouth (Gorleston)	1025·9	49	SE	3	o	1025·7	0	48	0	SSE	1	-	o	2	-	51	47	c	bc.c	bc.c	0·0
	Clacton-on-Sea	1025·4	50	E	3	o	1025·8	0	49	+1	ESE	3	-	bc	2	-	51	47	oq	oq	oq.c.bc	0·0
	Nottingham ...	1025·8	47	E	3	o	1026·7	*	45	0	ENE	2	NE	om	*	1	48	44	om	op	ov	0·0
	Benson (Oxon.) ...	1023·3	51	SE	1	m									*				om	om		*
	Sth Farnborough	1023·8	52	ENE	2	m	1024·8	+2	46	-3	NE	2	NE	om	*	1	55	46	orm	od.om	od.om	0·0
	Salisbury Plain						1024·5	+1	46	-3	E	2	SE	o	*	1	53	46			ac.bc.or	*
	London (Kew Obsy.)	1024·3	52	ENE	3	o	1025·4	+3	47	-3	ENE	2	-	b	*	7	51	46	omd.r.om	omq.om	om.r.bc	0·0
NORTHERN EUROPE.	Spitsbergen ...	1005·5	5	SSE	1	b	1006·3	0	12	+2	-	0	*	o	*	*	12	-2				
	Vardö	1013·2	34	-	0	o	1013·2	0	36	+2	W	6	-	o	3	*	36	28				
	Bodö	1020·6	41	SW	4	r	1019·2	-1	41	0	S	1	-	r	1	?	41	36				
	Christiansund ...	1027·0	39	SE	2	b	1022·4	-2	37	-2	E	3	-	b	3	-	41	37				
	Skudesnaes ...	1028·2	36	NNE	1	b	1027·8	0	43	+7	SE	5	-	c	2	-	41	34				
	Færder (X'lania Fjord)	1029·8	41	N	2	b	1031·4	0	37	-2	-	0	W	b	0	-	41	37				
	The Scaw (Skagen)	1026·8	41	NNE	2	bc	1030·6	+3	41	-4	SE	1	-	bc	1	-	45	41				
	Blaavands Huk	1027·5	41	-	0	b	1030·3	+2	28	-17	ESE	1	-	b	*	Tr.	46	27				
	Copenhagen ...	1026·8	43	NW	1	m	1031·6	+3	37	-4	ESE	3	-	f	*	-	46	37				
	Bornholm ...	1025·1	45	NNE	3	m	1030·3	+2	41	-4	NE	3	-	b	0	-	45	39				
FRANCE, &c.	The Helder ...	1027·8	46	NE	3	c	1027·5	+1	45	-3	E	2	-	o	1	-	50	45				
	C. Gris Nez ...	1026·3	51	E	4	m	1026·2	+2	46	-4	E	3	*	o	2	-	54	45				
	La Hève	1022·3	55	-	0	bc	1020·2	*	51	+1	ESE	3	*	m	2	11	59	48				
	Brest (St. Mathieu)	1022·0	54	WNW	3	bc	1021·1	+4	46	+8	S	3	*	bc	3	2	57	48				
	Rochefort (Ile d'Aix)	1022·6	57	NW	2	o	1020·0	0	54	0	NNW	3	*	r	*	4	64	54				
	Biarritz	1022·8	59	WSW	3	c	1022·2	0	55		WNW	3	*	r	2	1	63	55				
	Paris	1024·3	54	SSE	2	o	1022·2	+1	48	-2	ENE	2	-	o	*	-	59	43				
	Belfort	1025·1	50	E	3	o	1024·4	*	46	-2	E	4	*	f	*	-	59	45				
	Lyons	1023·9	53	-	0	o	1021·9	*	49	-1	-	0	*	o	*	-	57	46				
	Nice	1024·4	54	-	0	b	1020·3	0	54	+6	-	0	*	b	2	-	64	37				
	Perpignan ...	1022·3	57	-	0	o	1021·2	-1	55		WNW	1	-	o	*	-	64	54				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1026·0	59	NNE	1	c	1027·6	+2	57	+5	N	5	-	c	2	1	59	52				
	Madrid	1022·2	61	-	0	b	1024·4	0	45	+2	-	0	-	b	*	-	63	41				
	Lisbon	1022·7	68	NW	2	b	1023·8	+1	59	+2	NNE	2	-	b	5	-	73	57				
	Azores (Horta) ...	1021·2	*	NNE	6	o	1022·8	+3	66	+2	SSE	4	*	b	4	-	72	64				
	Madeira	1019·2	73	NE	2	bc	1022·4	+2	66	+3	N	2	-	o	2	-	77	66				
	Gibraltar							*					*									
	Malta	*	*	*	*	*	1014·8		64	+3	E	4	-	c	7	Tr.	66	61				
	Limassol	*	*	*	*	*	1014·2	+3	72	+1	-	0		o	2	-	84	63				
	Alexandria ...	1012·6	73	-	0	b	1014·8	+1	72		-	0	-	b	0	-	84	66				
	Cairo (Helwan) ...	1012·4	77	-	0	b	1014·0	+2	68		-	0	-	b	*	-	93	64				

BEAUFORT NOTATION.

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

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 Meteorological Office.

LONDON 4TH NOV. 9h. G.M.T.	Humidity. 15 h. 3RD	Humidity. 9 h. 4TH	Sunshine for 3RD	24 Hours ended 9 h. 4TH: Temperature. Max. °F.	Temp. Min. °F.	Temp. Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	% 95	% 90	Hours. 0·0	52	44	37	11	or	o. or	o
CITY (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	94	80	0·0	54	47	42	5	m.r	d.o	0
CAMDEN SQ. (British Rainfall) ...	97	91	0·0	52	44	39	8	or.c	0	*
HAMPSTEAD (Reservoir)	*		0·0	52	49	42	3	oe	0	or
S. KENSINGTON (Museum Grounds)	*	78	0·0	52	47	44	5	o. or	omqu	o. c

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 3RD

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
60	1·8	5

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

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,437. MONDAY, 5TH NOVEMBER .1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

The northern depression caused heavy rain in the north of Scotland; 22 mm. was measured at Lerwick. Good sunshine measurements were obtained in North Wales and also in the South-East of England, up to 8 hours at South Farnborough. Night frosts occurred this morning in the South.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 4TH NOVEMBER.

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 4TH.
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	-	-	49	38	bc	c.bc	3·1
	Montrose	-	-	48	42	0	0	0·0
	St. Andrews							
Eng. N.E.	Harrogate	1	-	47	40	0	0.c. bc	1·1
	Skegness	-	-	54	44	0.bc	bc	3·8
England, E.	Felixstowe	-	-	51	46	bc.c	bc	3·6
	Walton-on-Naze							
	Southend-on-Sea	2	-	57	47	c.bc	bc.b	6·3
England, S.E.	Margate	-	-	52	48	bc.b	b	5·6
	Hastings	-	-	53	46	b.bc	bc.b	3·4
	Eastbourne	-	-	52	46	bcq.b	bc	3·9
	Seaford	*	*					
	Brighton							
	Worthing	1	-	53	47	b	b	6·4
	Littlehampton							
	Bognor	*	*					
	Bournemouth	7	-	54	49	0.c.b	b	4·1
Sc'tld W.	Oban	-	Trace	52	42	0p	0	0·0
Eng. N.W.	Morecambe					*	*	
	Southport	-	-	55	43	b.bc.c.bc	b.bc	5·4
Midlands.	Ross-on-Wye							
Wales.	Rhyl	-	-	57	46	0	bc. c	6·9
	Colwyn Bay	*	-	50	45	bc	bc	6·4
	Llandudno	*	*	56	46	b	bc	6·4
	Aberystwyth	*	*	57	49	0.c	bc. 0	3·3
England, S.W.	Weymouth	*	*					
	Torquay	7	-	53	50	0	0	0·0
	Paignton	*	*	58	52	0c	0c	0·0
	Penzance							
	Newquay	1	-	56	47	c	c	1·0
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 4TH NOVEMBER.

	STATIONS.	Evening of 3RD. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 4TH. 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1017·2	41	S	2	0	1015·1	+1	34	-12	WNW	3	S	9	*	34
	Gorki						1027·1	*	30		S	1	b	-	*	30
	Vyshni Volochek	1026·7	37	S	2	0	1027·4	*	34	0	SE	2	r	-	*	34
	Hangö	1024·2	41	-	0	0	1028·6	+3	37		NNE	2	0	2	*	36
	Petrograd	1023·0	43	SW	2	0	1025·9	+3	36	-7	NW	2	S	1	45	?
	Moscow	1032·7	30	SSW	3	0	1031·5	-1	30	0	SW	2	0	-	*	27
	Kiev	1028·3	37	SE	3	b	1026·4	-1	30	0	SSE	3	bc	-	*	30
	Kharkov	1032·2	36	E	2	b	1029·6	-1	30	0	E	3	0	-	*	30
	Kishinev	1025·3	39	SE	1	b	1024·3	0	36	-7	-	0	0	-	*	34
	Elisabetgrad						1025·5		36	+6	ESE	1	0	-	*	30
	Nicolaiev	1025·9	41	-	0	0	1024·6	*	41	+2	-	0	0	-	*	37
	Odessa	1026·6	48	ESE	3	b	1025·3	-1	41	0	S	2	Q	-	*	39
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1022·1	54	NNE	1	b	1021·7	*	48	+2	NNE	1	b	-	61	46
	Turin	1024·1	48	-	0	b	1023·4	*	41	+2	-	0	b	-	57	39
	Pesaro							*								
	Leghorn							*								
	Rome							*								
	Viesti	1019·0	59	W	3	bc	1018·7	*	59	0	NW	1	bc	-	64	55
	Brindisi	1018·3	63	NW	3	bc	1017·8	*	59	-5	NW	3	b	-	64	59
	Cagliari	1016·1	61	WNW	4	bc	1017·4	*	55	-6	NW	4	b	-	64	46
	Palermo	1014·9	57	-	0	bc	1017·3	*	59	0	-	0	0	-	64	54
	Tripoli	1015·9	57	S	1	bc	1015·9	*	55	-11	W	1	0	-	72	55
	Algiers	1021·0	63	N	1	0	1021·6	+1	61		-	0	bc	1	70	57
Sweden	Hernösand	1026·3	34	-	0	b	1028·4	*	28	-4	-	0	b	*	*	*
	Stockholm	1025·6	36	-	0	b	1031·0	*	34	-14	NNW	2	0	*	*	*
	Wisby	1025·1	34	NW	4	0	1030·6	*	41	-2	N	2	0	*	*	*

‡ The barometric change is expressed in half-millibars

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	993·0	25	+16	-	0	b
Reykjavik	993·0	32	-7	-	0	0
Vestmanna	996·8	36	-3	SE	3	bc
Seydisfjord	993·0	34	+2	W	8	b
Thorshavn	1002·8	45	+6	WSW	5	0

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

5TH AND 6TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·58	11·37	4·16
	6·59	11·37	4·15
Greenwich	7·3	11·44	4·25
	7·4	11·44	4·24
Wick	7·40	11·56	4·12
	7·42	11·56	4·10
Valencia	7·45	12·25	5·5
	7·46	12·25	5·4

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THE MORNING OF MONDAY, 5TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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 ≈≈.

LOW

HIGH

HIGH

Barometer rising

Barometer falling

Barometer rising slowly

990mb 995mb. 1000mb. 1005mb. 1010mb. 1015mb. 1020mb. 1025mb.

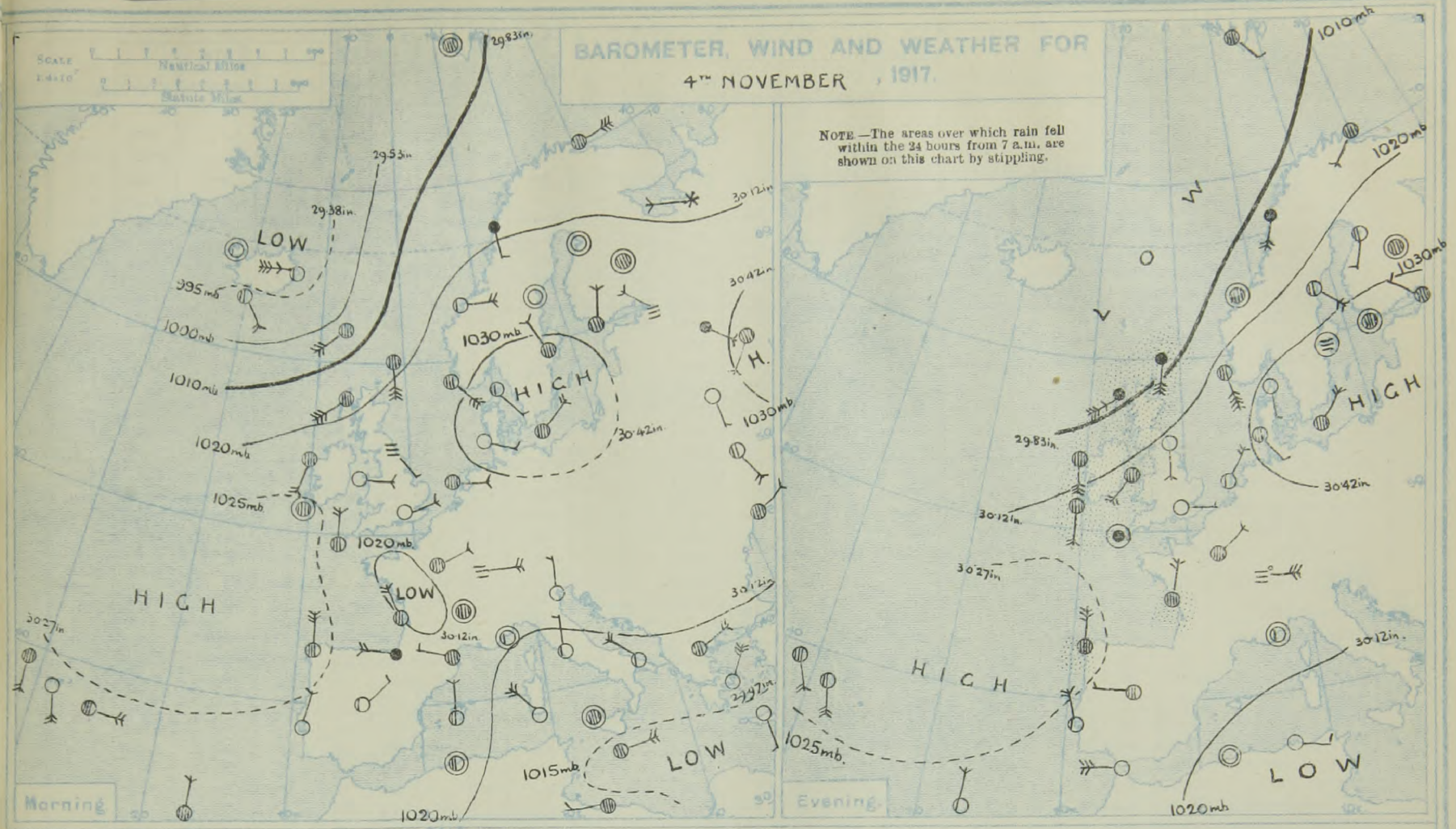
29·53in. 29·38in. 29·24in. 29·68in. 29·83in. 29·97in. 30·12in. 30·27in.

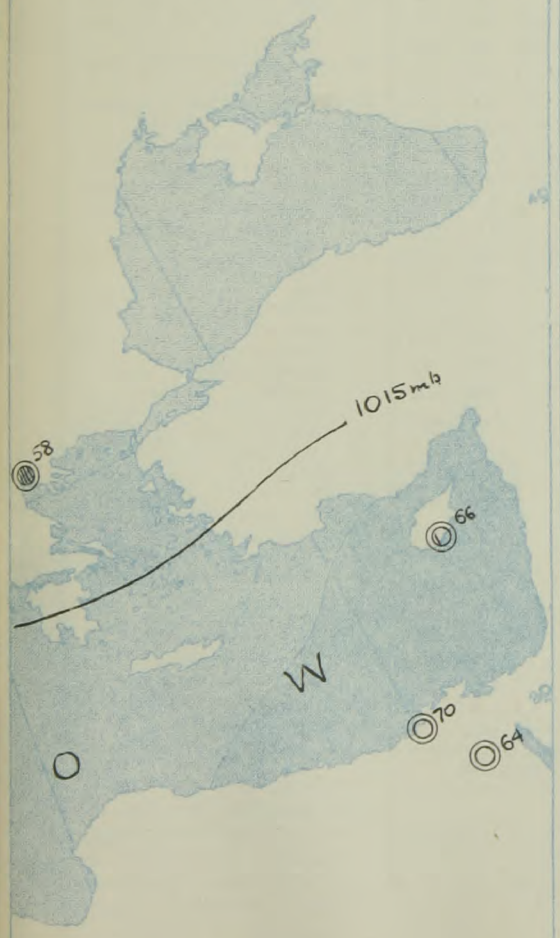
40° 50°

Normal Temperature of the Sea.

Below 50° 50°-60° 60°-70° Above 70°

Scale of Tints for NOVEMBER.





The Present Situation

A deep depression lies to the northward of the Farŏe and has caused a steep pressure gradient for South-Westerly winds which extends from the Farŏe over the Northern North Sea to the Cattegat. Pressure is high over the Continent, and in that region and also in the extreme South of England winds are very light and variable in direction. This anticyclonic area is characterised by a good deal of cloud and some inland mist and fog. In Ireland and parts of Scotland rain is falling, but on the West and North coasts of Scotland there is an area of fair weather.

The General Outlook

It is probable that depressions from the Atlantic will maintain a mild, unsettled type of weather over the whole country for the present.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No.309. 15TH NOVEMBER.

	STATIONS.	EVENING OF...4TH... Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF.....5TH..... 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.	24 HOURS ENDED 7 A.M....5TH. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 4TH.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1009·3	48	SSW	6	rq	1001·4	+5	47	-1	SW	5	—	orq	5	22	50	44	oinq	orq	orq	*
	Deerness (Orkney)	1009·6	48	?S	5	oru	1005·1	*	46	-1	WSW	4	SW	c	4	15	49	46	or	oru	or.c	0·0
	Stornoway ...	1007·0	49	SW	8	orq	1005·5	+1	43	-6	WSW	6	-	bc	5	13	51	43	orq	orq	o.bcpq	0·0
	Castlebay(Barra Isd.)	1013·0	50	SSW	6	dp	1000·7	0	49	-2	WSW	4	W	c	4	2	51	47	op.r	or.pd	pd.or.c	0·0
	Glasgow ...	1019·0	49	SSW	4	omq	1010·4	0	48	+6	SW	4	—	omd	*	2	50	41	omg.pd	omg	op.opq	0·0
	Eskdalemuir ...	1021·5	45	SSW	4	om	1012·4	-2	47	+6	S	4	—	oinr	*	5	49	40	oin	om	om.omr	0·0
	Malin Head ...	1015·2	47	SW	4	og	1010·7	-1	47	-1	SW	3	—	og	3	1	50	45	om	oin	omp	0·1
	Blacksod Point	1015·6	49	S	6	og	1011·9	-2	48	+1	SSW	3	—	gg	4	4	52	45	cg	og	or.omd	*
	Valencia(Cahirciveen)	1012·8	50	S	3	o	1015·8	-1	53	+5	SW	3	—	od	0	3	54	44	bc.c.ox	oz.o.c.o	o.or	0·0
	Roche's Point	1024·8	48	SW	2	c	1017·9	*	52	+7	SW	3	—	md	?	1	52	39	fe.c	c.o	omd	*
	Birr Castle ...	1020·6	49	SW	1	o	1014·3	*	51	+3	SW	1	—	o	*	2	52	47	o	o	or.o	0·0
	Donaghadee ...	1019·7	50	SSW	3	ogf	1011·9	-3	49	+1	SW	4	—	oinq	3	0·3	51	48	ofpd	ogf	oin.omq	*
	Liverpool (Bidston)	1024·6	49	SE	2	b	1017·5	?	50	+4	SSW	3	—	o	2	—	52	44	b	bm	bc.o	6·6
	Holyhead ...	1023·1	52	SW	4	omg	1015·7	-2	52	+7	WSW	6	—	opq	5	0·1	56	44	b.bc.c	bc.c.o	ome.op	6·0
	Pembroke(St. Ann's)	1024·9	51	ESE	2	o	1020·0	-3	51	+2	SW	4	SW	c	3	1	53	48	c.o	o	or.opc	0·0
	Hartland Quay	1024·8	51	SE	2	o	1021·2	-1	51	-1	SSW	3	W	o	3	0·1	56	50	o	b.o.b.bc	o.op	*
	Scilly (St. Mary's)	1024·7	53	—	0	omd	1022·9	0	50	0	WSW	2	W	o	4	2	56	49	c.bc.c	omd	opo	3·0
	Falmouth ...	1024·1	52	E	1	ofe	1022·5	0	49	-1	WNW	1	—	c	*	Trace	55	48	b.od.c	cx.om.c	of.o.bc	0·4
	Jersey (St. Aubin)	1022·9	54	NE	3	c	1023·8	*	50	-3	N	1	—	ome	0	—	58	44	o.bc.b	bc.o.c.o	ome	1·7
	Portland Bill ...	1023·8	52	E	4	bc	1022·4	-1	52	+1	ESE	2	—	c	3	—	55	47	o.c	c.bc	bc	*
	Dungeness ...	1025·3	50	E	4	b	1023·5	0	38	-14	NNE	2	—	b	1	—	53	36	c	c.b	bc.bx	*
	Dover	*	*	*	*	*													*	*		
	Wick	1016·6	50	SSW	6	o	1006·7	+4	42	+5	SSW	2	—	bc	3	2	50	42	omg	omp g	omp bc	*
	Nairn	1013·0	51	WSW	1	o	1008·0	*	41	-3	—	0	—	bc	1	1	51	40	cg.o	og	gq p	0·0
	Aberdeen	1016·7	38	SSW	4	c	1009·0	+1	49	+6	SW	2	—	op	3	Trace	52	42	o.oin	oin.c	c.oq	0·0
	Leith	1018·2	50	SW	1	c	1010·0	0	51	+7	SW	2	—	r	2	0·4	53	48	oin.o.c	o.c.o.c	c.bc.od	*
	Tynemouth ...	1022·6	46	S	2	bf	1014·2	+3	50	+7	SW	3	—	oin	3	—	50	42	of	cf	cinp	*
	Spurn Head ...	1026·0	48	SE	1	b	1019·9	-2	43	-4	SSW	3	—	c	3	—	49	40	cv	bv	b	0·0
	Yarmouth(Gorleston)	1025·3	48	SSE	3	c	1021·9	-1	39	-9	SW	2	—	bc	2	—	50	36	o.c	c	b.bc	2·0
	Clacton-on-Sea	1025·8	47	N	2	b	1022·9	-1	39	-10	W	2	NW	bc	1	—	53	38	bc	bc.b	b.bc	5·9
	Nottingham ...	1025·8	41	ESE	1	b	1020·3	*	44	-1	SSW	1	—	oin	*	—	55	38	o.c	bc.b	b	5·5
	Benson (Oxon.) ...	1025·5	40	—	0	b	1022·1	-1	36		SSE	2	—	b	*	1	52	30	bin	bin	b	*
	Sth Farnborough	1026·1	43	E	2	b	1024·0	-1	30	-16	NNW	1	—	cinx	*	—	53	28	oin.bc.b	bin	c.binx	8·0
	Salisbury Plain	1025·8	40	E	2	b	1022·9	-2	37	-9	SE	1	—	bcz	*	—	57	33		o.c.bc.b	c.b.bc	*
	London (Kew Obsy.)	1026·0	45	E	1	m	1023·5	-1	33	-14	—	0	—	fx	*	0·1	51	32	bm.cz	bz. bm	bm fx	5·2
NORTHERN EUROPE.	Spitsbergen ...	1005·4	12	SE	1	c	998·0	-4	7	-5	—	0	*	bc	*	*	16	0				
	Vardö	1014·2	36	SW	2	o	1005·8	-3	36	0	SSW	5	—	o	3	*	36	28				
	Bodö	1010·4	41	S	4	r	999·5	-5	45	+4	S	4	—	r	2	—	41	37				
	Christiansund ...	1013·1	46	—	0	o	997·2	-5	54	+17	SSW	6	—	c	4	—	48	36				
	Skudesnaes ...	1022·3	45	SSE	8	c	1012·4	-6	46	+3	S	10	—	r	7	Trace	45	34				
	Færder(X'iania Fjord)	1027·9	43	SW	2	b	1019·6	-4	45	+8	S	7	—	o	4	Trace	43	37				
	The Scaw (Skagen)	1030·2	43	S	1	b	1022·8	-3	41	0	S	3	—	bc	3	—	45	43				
	Blaavands Huk	1030·2	39	SE	1	c	1024·3	-2	41	+13	S	3	—	c	*	—	43	27				
	Copenhagen ...	1032·6	37	ESE	2	o	1027·5	-1	41	+4	SE	2	—	m	*	—	41	36				
	Bornholm ...	1031·1	41	NE	3	o	1027·8	-1	41	0	ESE	2	—	c	0	—	43	39				
FRANCE, &c.	The Helder ...	1027·2	45	NE	3	b	1022·6	-1	41	-4	SSE	1	—	o	0	—	48	41				
	C. Gris Nez ...	1024·8	50	NE	2	b	1023·8	0	42	-4	S	1	*	m	0	—	52	41				
	La Hève	1022·4	51	NE	2	m	1023·6	*	46	-5	ENE	1	*	m	1	—	57	43				
	Brest (St. Mathieu)	1023·8	52	N	3	o	1023·9	0	53	+7	E	1	*	bc	2	—	55	46				
	Rochefort(Ile d'Aix)	1023·4	53	NNE	3	o	1023·4	+1	51	-3	NE	4	*	f	*	1	59	50				
	Biarritz												*									
	Paris	1022·4	52	NE	2	o	1021·7	+3	46	-2	NNE	1	—	o	*	—	55	43				
	Belfort	1023·4	47	E	4	m	1024·3	*	41	-5	E	2	*	f	*	—	53	41				
	Lyons	1026·6	52	—	0	o	1023·2	*	48	-1	—	0	*	o	*	—	58	47				
	Nice	1026·6	51	—	0	b	1021·0	0	49	-5	—	0	*	b	2	—	64	46				
	Perpignan ...														*							
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1027·0	55	N	5	o	1026·4	+2	52	+7	—	0	—	o	?	1	57	52				
	Madrid	1017·2	63	W	1	c	1020·2	+1	46	+1	N	1	NE	c	*	—	64	45				
	Lisbon	1023·8	57	NNW	3	b	1021·1	-1	55	-4	NNW	5	—	c	6	—	66	54				
	Azores (Horta) ...	1025·4	*	SSE	5	bc	1028·3	0	64	-2	SSE	3	*	bc	2	—	72	64				
	Madeira	1023·2	70	N	2	b	1024·2	0	68	-3	NE	2	—	b	2	—	73	63				
	Gibraltar	1019·6	62	W	5	b	1015·2	*	57	—	NW	5	*	bc	3	—	71	55				
	Malta	*	*	*	*	*	1013·8	+1	64	0	E	2	—	o	4	2	68	63				
	Limassol	*	*	*	*	*	1015·4	+1	66	-6	—	0	—	b	0	—	86	57				
	Alexandria ...	1016·7	72	N	2	b	1017·9	+3	70	-2	—	0	—	b	0	—	84	63				
	Cairo (Helwan) ...	1015·1	75	N	4	b	1017·0	+3	64	-4	—	0	—	b	*	—	86	63				

BEAUFORT NOTATION.

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

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 Meteorological Office.

LONDON 5TH NOVEMBER, 9h. G.M.T.	Humidity. 15 h. 4TH	Humidity. 9 h. 5TH	Sunshine for 4TH	24 HOURS ENDED 9 h.....5th... Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	67	95	5·3	52	31	25	-	c. bc	b	b.c. mx
CITY (Bunhill Row)	*	*	3·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	-	99	3·4	54	33	30	-	m.bc	bc	bm
CAMDEN SQ. (British Rainfall) ..	-	79	3·8	54	33	33	-	-	-	*
HAMPSTEAD (Reservoir)	*	96	5·9	50	35	25	-	bc	br	bcx
S. KENSINGTON (Museum Grounds)	*	94	4·5	53	35	44	Trace	cm.bc	b	b.c.fx

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ...4th...

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
420	12·5	26·5

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

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,438. TUESDAY, 6TH NOVEMBER, 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

Mild conditions prevailed yesterday, maxima of 55° being common. Rain fell heavily in Scotland and parts of Ireland, 37 mm. at Glasgow, and 34 mm. at Malin Head. In the Southern part of England the falls were very light. Scarcely any bright sunshine was recorded. There was a little fog early in the day in London and at Roches Point.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h...5TH NOVEMBER.....

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 5TH
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	1	-	47	39	0	0	0·0
	Montrose	-	1	51	45	0	0	0·0
	St. Andrews	*	*	49	44	0	0p	0·0
Eng. N.E.	Harrogate	Trace	Trace	51	41	0	0p	0·0
	Skegness	-	-	50	36	0	0	0·0
England, E.	Felixstowe	-	-	50	37	bcm	bc	0·7
	Walton-on-Naze							
	Southend-on-Sea	-	-	51	36	0z. c	0	1·0
England, S.E.	Margate	-	-	52	41	c. bc	c	1·4
	Hastings	-	-	52	39	bc. 0	·0	0·5
	Eastbourne	-	-	52	35	0. bc	0. c	0·0
	Seaford	*	*					
	Brighton							
	Worthing	-	-	54	36	0	0	0·0
	Littlehampton	-	-	53	37			0·5
	Bognor	*	*					
	Bournemouth	-	-	55	37	0	0	0·1
Sctld W.	Oban							
Eng., N.W.	Morecambe	1	12	52	45	*	*	0·0
	Southport	-	3	53	45	bc. c. 0	0r	0·0
Midlands.	Ross-on-Wye	-	-	54	48	m. 0	0m. bc	0·0
Wales.	Rhyl	-	Trace	56	46	c. 0	0q	0·0
	Colwyn Bay	-	Trace	55	49	c	cp	0·1
	Llandudno	*	*	59	50	c	c. r	0·1
	Aberystwyth	*	*	54	49	r. 0.	c. 0	0·0
England, S.W.	Weymouth	*	*	55	47	0	0	0·0
	Torquay							
	Paignton	*	*	56	45	0m	bc	0·1
	Penzance	Trace	-	54	46	0	0	0·0
	Newquay	-	-	53	48	c	c. 0	0·0
	Ilfracombe	9	-	54	47	0	0	0·0
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF....5TH NOVEMBER.....

	STATIONS.	Evening of 4TH: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 5TH: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel						1023·8	-3	34	0	SSW	3	0	-	*	28
	Gorki						1030·1	*	30	0	S	1	0	-	*	30
	Vyshni Volochek	1031·1	32	-	0	0	1031·5	*	32	-2	-	0	0	2	*	32
	Hangö	1031·1	37	-	0	0	1028·2	-1	43	+6	SW	2	0	-	*	36
	Petrograd	1031·4	36	NW	1	0	1031·0	-1	36	0	NW	3	0	-	39	36
	Moscow	1031·7	30	SE	2	0	1032·6	+1	32	-4	NE	2	0	-	*	28
	Kiev	1025·3	37	E	2	f									*	
	Kharkov						1026·0	+2	36	+6	E	2	0	-	*	36
	Kishinev														*	
	Elisabetgrad	1024·4	39	E	2	0	1025·5		37	+1	SE	3	f	-	*	28
	Nicolaiev	1026·3	37	E	3	0		*							*	
	Odessa	1024·2	43	ENE	2	0									*	
	Tarkhankout	1022·9	46	NE	2	0		*							*	
	Soukhoum														*	
Mediterranean.	Venice	1021·0	52	ENE	1	b	1021·1	*	50	+2	NE	1	c	-	61	46
	Turin	1022·1	48	-	0	b	1023·7	*	41	0	-	0	b	-	55	37
	Pesaro	1020·3	50	S	1	0	1020·1	*	55		SSE	2	0	-	57	48
	Leghorn	1019·8	57	-	0	b	1019·5	*	52		-	0	b	-	64	48
	Rome	1018·3	57	N	1	bc	1018·6	*	48		SE	1	b	-	64	46
	Viesti	1017·5	59	W	1	0	1019·0	*	?		WSW	1	r	-	64	55
	Brindisi	1016·1	63	SSW	2	b	1018·7	*	63	+4	SSW	2	0	-	63	59
	Cagliari						1016·1	*	54	-1	NW	3	b	-	64	48
	Palermo	1017·0	55	-	0	bc	1016·3	*	55	-4	-	0	b	-	70	50
	Tripoli						1017·0	*	54	-1	-	0	b	Trace	*	48
	Algiers	1019·5	59	-	0	b	1015·1	0	59	-2	-	0	c	-	66	55
Sweden	Hernösand	1023·6	32	SE	0	bc	1026·7	*	37	+9	S	6	b	*	*	*
	Stockholm	1031·1	30	-	0	f	1014·2	*	34	0	SSW	2	f	*	*	*
	Wisby	1032·2	32	E	2	‡	1029·0	*	39	-2	SSW	2	0	*	*	*

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	990·4	27	+2	N	6	0
Reykjavik	987·9	30	-2	-	0	bc
Vestmanna	988·8	30	-6	-	0	b
Seydisfjord	985·2	28	-6	W	2	c
Thorshavn	989·6	38	-7	W	5	r

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

6TH AND 7TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·59	11·37	4·15
	7·0	11·37	4·14
Greenwich	7·4	11·44	4·24
	7·5	11·44	4·23
Wick	7·42	11·56	4·10
	7·44	11·56	4·8
Valencia	7·46	12·25	5·4
	7·47	12·25	5·3

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‡ The barometric change is expressed in half-millibars.

THE MORNING OF TUESDAY, 6TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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 ≈≈.

LOW 980mb 985mb

LOW 990mb 995mb 1000mb

HIGH 1025mb

Barometer falling

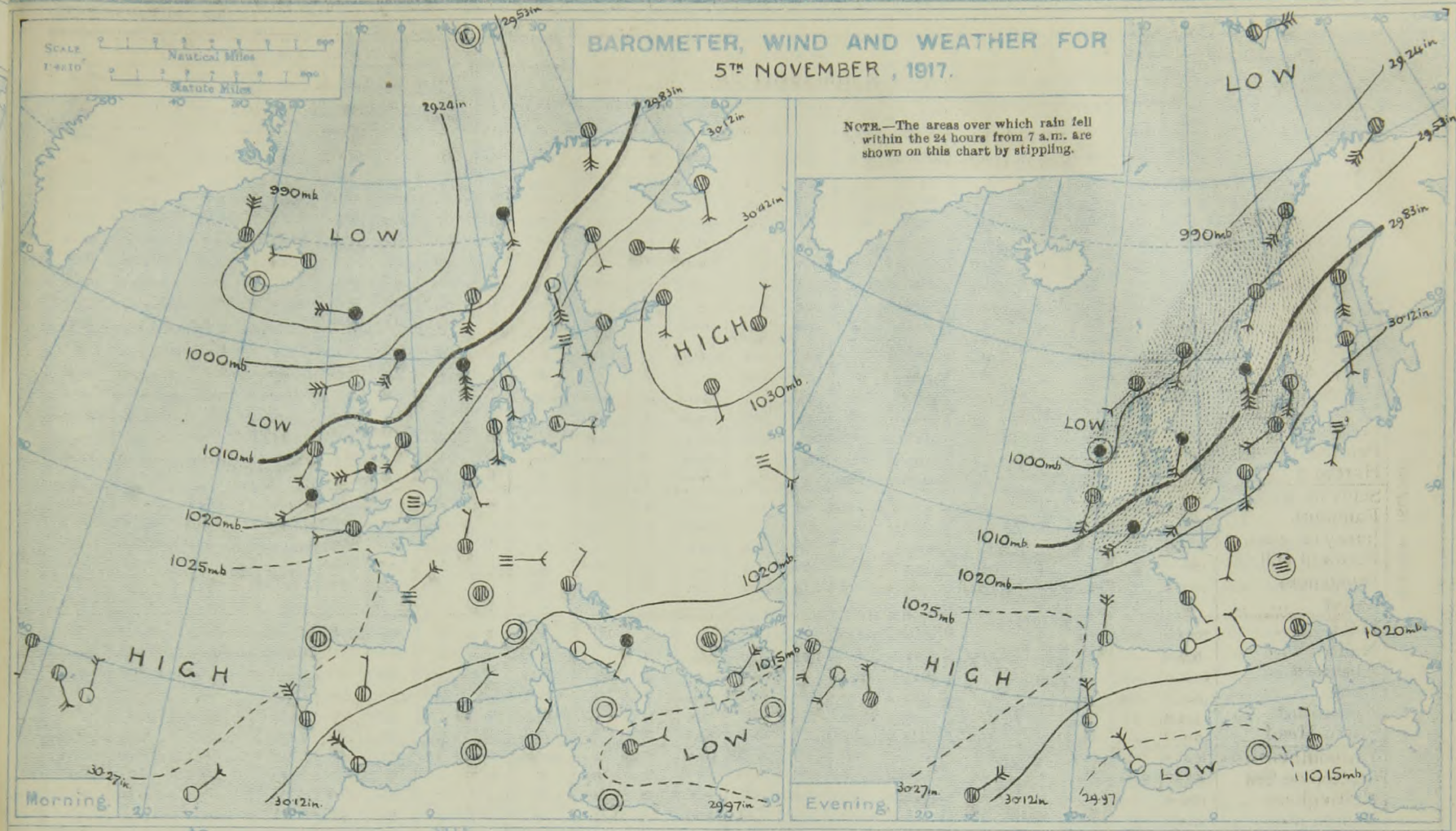
Barometer rising

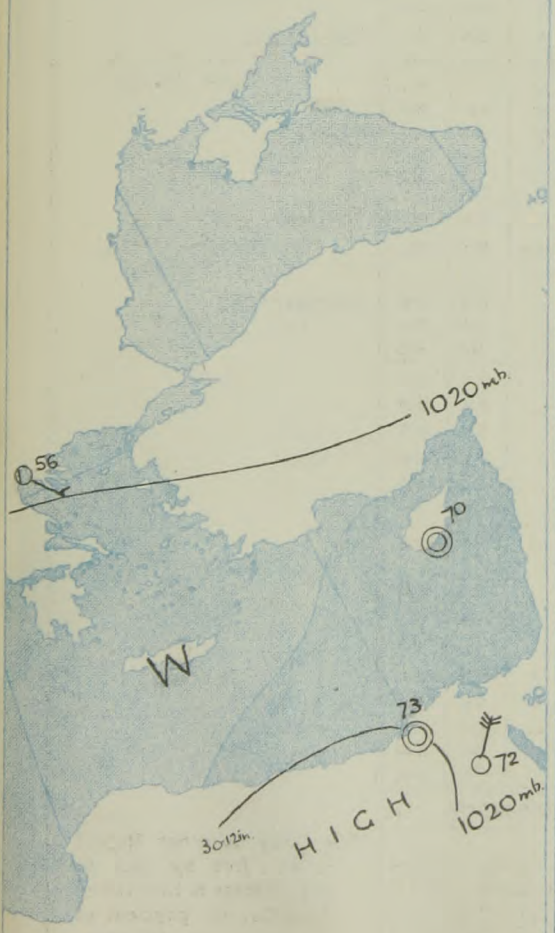
29·94in. 29·99in. 29·24in. 29·35in. 29·53in. 29·68in. 29·83in. 29·97in. 30·12in. 30·27in.

40° 50° 60°

SCALE 1 : 2·10⁷
Nautical Miles
Statute Miles

Normal Temperature of the Sea.
Below 50 | 50-60 | 60-70 | Above 70
Scale of Tints for NOVEMBER.





The Present Situation

A depression of moderate depth is centred over the northern part of the North Sea. Strong Southerly winds prevail on the Dutch coast, & blow with gale force in Southern Norway. In the extreme north of Scotland the wind has veered to due north, but over the British Isles as a whole the direction is from between SW. and NW., and the force considerable, especially in the Straits of Dover. The weather is dull and rainy in the region of the North Sea, showery over the British Isles.

The General Outlook

The rise of the barometer that is taking place over these Islands in the rear of the disturbance in the North Sea has ceased on the west coast of Ireland, and has even been replaced by a slight fall at Blacksod Point according to the most recent reports, the wind at the same time showing a tendency to back. A new depression is likely to arrive soon from the Atlantic, which will maintain unsettled conditions, and the strong Westerly breezes will back to SW. or S.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 310. Tuesday 6TH NOVEMBER.

EVENING OF 5TH — MORNING OF 6TH — 24 HOURS ENDED 7 A.M. 6TH

	STATIONS.	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.	Sunshine for 5TH.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	998·9	45	SSW	4	om	988·4	−3	42	−5	NW	2	–	om	2	3	47	41	omp	omp	omp	*
	Deerness (Orkney)	999·6	43	SW	3	o	989·1	*	42	−4	N	4	–	ow	3	2	47	41	c,o	o	or,o	0·0
	Stornoway ...	998·6	43	SW	2	op	993·0	+1	39	−4	W	2	–	bc	2	6	46	38	c,op	op	op,bc	0·0
	Castlebay (Barra Isd.)	1000·9	47	SW	3	op	997·3	+1	44	−5	WNW	4	W	bc	3	6	49	42	c,op	op	op,r,bc	0·0
	Glasgow ...	1001·9	44	–	0	omr	996·5	+11	41	−7	W	2	W	c	*	37	48	37	omp	omr	omr,o	0·0
	Eskdalemuir ...	1002·4	45	–	0	or	996·9	+13	40	−7	WNW	5	–	o	*	31	50	37	orm	orm	or,o,c	0·0
	Malin Head ...	1000·3	45	S	3	omr	998·0	+10	45	−2	NW	6	NW	cqp	5	34	49	42	cg	omr	cqp	0·0
	Blacksod Point	998·8	48	–	0	omr	1002·8	+2	44	−4	W	5	–	bcz	5	29	48	40	omr	omr	omr,cb	*
	Valencia (Cahirciveen)	1004·5	54	SSW	6	o	1010·3	+4	46	−7	WNW	5	W	bc	5	7	55	44	od	odg	or,c,bcp	0·0
	Roche's Point	1008·4	53	SW	4	r	1009·4	*	44	−8	WNW	2	NW	b	4	3	54	42	f,dm	md	md,r,b	*
	Birr Castle ...	1003·2	55	S	2	r	1006·9	*	41	−10	W	1	–	c	*	7	55	40	or	or	or,c	0·0
	Donaghadee ...	1002·8	47	S	1	ofr	1000·1	+7	43	−6	WNW	4	NW	bcqm	4	15	53	41	omr	ofr	omp,bc	*
	Liverpool (Bidston)	1007·8	49	S	4	o	1002·0	+8	47	−3	WSW	6	SW	oq	5	4	56	45	od	oq	orq	0·0
	Holyhead ...	1005·5	54	SW	7	odqm	1000·2	+6	47	−5	WNW	7	NW	cq	6	12	55	46	op,orm	or,dqm	orm,o,c	0·0
	Pembroke (St. Ann's)	1011·5	53	S	5	oq	1008·8	+9	48	−3	WNW	5	NW	bcq	5	4	53	47	oq	oqp,md	oqp,cq	0·0
	Hartland Quay	1013·7	53	SSW	6	od	1009·7	+6	51	0	NW	5	–	c	5	3	55	51	ouq	od	od,or,c	*
	Scilly (St. Mary's)	1016·2	53	SW	5	omr	1011·3	+2	48	−2	NW	6	W	c	6	1	54	48	om	omp	omb,c	0·0
	Falmouth ...	1015·8	53	SSW	6	odm	1010·6	+6	48	−1	WNW	3	–	c	*	3	54	47	c,bc,o	o	od,r,cp	0·2
	Jersey (St. Aubin)	1020·8	52	SW	2	o	1011·5	*	54	+4	SSW	4	–	o	3	Trace	54	49	oem,c,o	o,c,o	c,op,o	0·1
	Portland Bill ...	1017·3	53	SW	5	c	1006·8	+2	53	+1	W	7	SW	c	5	3	55	50	bc,c	c,o	c,or	*
	Dungeness ...	1018·6	50	SW	4	o	1008·1	−6	53	+17	SW	8	SW	cq	7	–	54	37	bc,o	o	c,o,cqp	*
	Dover	*	*	*	*	*											*	*				
	Wick	1001·3	43	SW	2	o	990·0	−1	41	−1	N	3	–	r	3	3	46	39	bc,omg	omg	oma,r	*
	Nairn	999·9	42	–	0	ow	992·4	*	39	−2	W	2	–	ow	2	11	47	38	bc,c	cg,o	oru	0·0
	Aberdeen	1001·7	47	S	2	r	989·3	+4	39	−10	WNW	6	–	orq	4	27	50	36	om	omr	orq	0·0
	Leith	1001·7	45	SSW	1	r	994·1	+8	41	−10	WSW	2	–	r	3	24	52	39	rm,od	r	rq	*
	Tynemouth ...	1003·8	51	SSW	3	omd	995·2	+9	44	−6	W	5	SW	bcq	3	1	55	42	om	omr	cq	*
	Spurn Head ...	1010·7	47	SSW	4	om	999·4	+1	49	+6	WNW	6	–	oq	5	2	50	?43	om	om	opq	0·0
	Yarmouth (Gorleston)	1014·8	48	SW	5	o	1004·6	−5	52	+13	SW	6	–	ompq	6	1	52	39	cm	om	omqp	0·0
	Clacton-on-Sea	1017·5	50	SSW	4	o	1006·2	−3	51	+12	S	5	SW	o	4	–	51	38	c,oq	oq	oq	0·6
	Nottingham ...	1011·4	52	SW	5	o	1002·7	*	49	+5	W	5	W	o	*	1	55	44	o	o	op	0·0
	Benson (Oxon.) ...	1015·6	51	SSW	4	o	1004·4	+3	52	+16	SW	4	–	r	*	1	54	36	om	o	mrq	*
	Sth Farnborough	1018·1	51	SW	5	o	1005·9	−4	54	+24	SW	6	–	orm	*	1	53	30	c,om	omr,o	orqm	0·0
	Salisbury Plain	1017·7	50	SSW	5	o	1006·9	−1	51	+14	W	6	W	oq	*	2	53	36	–	–	orq	*
	London (Kew Obsy.)	1016·8	52	SW	4	o	1005·6	−2	53	+20	SSW	5	–	omr	*	0·3	54	33	fx,f,om,o	o	o,omr	0·0
NORTHERN EUROPE.	Spitsbergen ...	986·6	21	E	6	c	980·0	−1	18	+11	E	5	*	o	*	*	21	7				
	Vardö	994·0	36	SW	6	o	993·8	o	37	+1	SSW	6	–	o	3	*	37	28				
	Bodö	995·4	45	SW	6	c	993·4	−1	41	−4	SW	4	–	r	3	?	50	39				
	Christiansund ...	1000·0	45	SSW	2	o	991·8	−3	45	−9	–	0	–	r	4	1	54	37				
	Skudesnaes ...	1004·2	48	S	7	r	989·4	−6	50	+4	SSE	8	–	o	7	46	50	46				
	Færder (X'tania Fjord)	1011·6	45	SSW	7	m	1000·2	−5	48	+3	S	8	–	m	4	12	?	45				
	The Scaw (Skagen)	1015·4	45	SSW	5	c	1004·6	−4	46	+5	S	6	–	o	6	8	46	37				
	Blaavands Huk	1017·0	45	SW	3	o	1008·2	−3	48	+7	SSW	4	–	r	*	3	50	41				
	Copenhagen ...	1021·6	41	SW	1	m	1013·5	−3	43	+2	WSW	5	–	m	*	–	45	41				
	Bornholm ...	1023·6	39	SSW	2	m	1016·6	−3	41	0	SSW	4	–	o	1	–	45	37				
FRANCE, &c.	The Helder ...	1017·4	48	S	3	o	1007·4	−4	50	+9	S	7	–	o	3	–	50	46				
	C. Gris Nez ...	1019·2	50	SW	4	o	1006·7	−5	52	+10	SW	7	*	r	5	Trace	54	42				
	La Hève							*					*									
	Brest (St. Mathieu)	1021·2	54	SW	3	c	1013·1	−1	50	−3	NW	4	*	f	4	–	55	50				
	Rochefort (Ile d'Aix)	1023·5	52	SE	1	c	1019·5	−1	50	−1	S	4	*	r	*	1	59	50				
	Biarritz	1022·6	52	ENE	1	b	1020·3	+1	44		SE	2	*	b	2	–	59	43				
	Paris	1022·6	48	S	2	o	1017·0	−1	50	+4	SSW	2	–	o	*	–	54	46				
	Belfort	1024·2	43	–	0	m	1022·0	*	41	o	W	3	*	f	*	–	48	39				
	Lyons	1023·4	48	–	0	o	1023·4	*	46	−2	–	0	*	o	*	–	52	45				
	Nice	1021·4	52	–	0	c	1020·7	+1	52	+3	–	0	*	o	3	–	59	48				
	Perpignan ...	1021·8	54	NW	2	b	1020·6	0	41		SW	1	–	b	*	–	63	41				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1024·3	57	N	5	c	1021·1	−1	48	−4	S	1	–	o	2	–	59	45				
	Madrid														*							
	Lisbon	1018·9	57	NNW	4	bc	1018·2	o	54	−10	NNW	2	–	b	5	–	64	54				
	Azores (Horta) ...	1029·1	*	SSW	3	b	1028·2	o	63	o	–	o	*	bc	1	–	75	63				
	Madeira	1021·4	68	NE	4	o	1019·8	o	66	+3	N	5	–	o	5	–	72	63				
	Gibraltar	1012·8	59	NW	3	b	1014·9	*	53	−4	SE	3	*	bc	3	2	68	52				
	Malta	*	*	*	*	*	1016·7	+2	63	−1	SW	1	–	b	1	7	66	57				
	Limassol	*	*	*	*	*	1018·2	+3	70	+4	–	o	–	b	o	–	84	54				
	Alexandria ...	1019·6	70	–	o	b	1020·2	o	73	+3	–	o	–	b	o	–	81	64				
	Cairo (Helwan) ...	1017·5	75	NE	3	b	1017·6	+1	72	+8	NE	5	–	b	*	–	84	68				

GALES.
Duration and Extreme Force in British Isles.

Esdalemuir:
SSW. 8. (5h) 24 to 3h.
Gusts. 28 m/s.

Pembroke.
SW. 8. 2 to 3 h.

Portland Bill.
SW. 8. (5h) 24 to 4 h.

Dungeness.
SW. 8. at 3 h

LONDON 6TH NOV. 9h. G.M.T.	Humidity. 15 h. 5TH	Humidity. 9 h. 6TH	Sunshine for 5TH	24 Hours ended 9 h. 6TH Nov. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	85	94	0·1	53	41	42	2	o	o	od,r
CITY (Bunhill Row)	*	*		*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	78	91	0·0	55	40	41	2	m	m	or,ue
CAMDEN SQ. (British Rainfall) ..	81	97	0·0	54	41	40	3	m	o	*
HAMPSTEAD (Reservoir)	*	93	0·0	52	?,	42	3	oe	o	or
S. KENSINGTON (Museum Grounds)	*	85	0·0	55	39	?	2	c,om	o	o,or

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ... 5TH ....

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
260	7·9	21

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

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 Meteorological Office.

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,439. WEDNESDAY, 7TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

Temperature fell to 33° or 34° in the night at some Scottish stations. The maximum reached 55° on the southern coast of England. Rainfall was considerably lighterthan on the preceding day, 14 mm. at Lerwick being the largest total. Sunshine records were good, especially in the south-west, 7-8 hours in Cornwall.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 6TH NOVEMBER

	STATIONS.	Rainfall Night. 18h-9h.	Rainfall Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 6TH
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	15	-	46	37	od.c	bc.b	3·0
	Montrose	2	1	47	39	b	b	6·0
	St. Andrews							
Eng. N.E.	Harrogate	2	Trace	48	42	c.bc	bc.c	4·3
	Skegness	7	-	51	43	bc	bc	3·4
England, E.	Felixstowe	-	-	53	40	c.bc	bc	2·8
	Walton-on-Naze							
	Southend-on-Sea	Trace	-	56	48	o.c	c.bc.o	3·7
England, S.E.	Margate	-	1	54	44	o.bc	c.bc.c	2·1
	Hastings	Trace	1	54	47	or.bc	bc	4·0
	Eastbourne	-	1	54	35	d.r.bc	b	4·5
	Seaford	*	*	54	44	r.c	bc	4·5
	Brighton							
	Worthing	1	-	55	47	c.bc	b	4·4
	Littlehampton	*	*	54	47			6·2
	Bognor	*	*					
	Bournemouth	1	-	55	47	c.b.	bc	4·2
Scotland, W.	Oban	17	9	46	39	bcp	or	1·1
Eng., N.W.	Morecambe					*	*	
	Southport	4	1	50	44	bc.c.bc.c	c.or.c.o	4·0
Midlands.	Ross-on-Wye	1	-	55	40	bc	b	4·8
	Malvern	2	-	50	46	b.bc	bc.b	4·0
Wales.	Rhyl	2	Trace	50	46	cp	bc.c	4·9
	Colwyn Bay	1	1	49	46	bc	bc	4·5
	Llandudno	*	*	59	46	bc	c	4·2
	Aberystwyth	*	*	50	47	r.c.b	bc.o	4·7
England, S.W.	Weymouth	*	*					
	Torquay	2	-	55	48	bc	bc.b	4·4
	Paignton	*	*	56	48	bc	bc	4·7
	Penzance	3	-	57	48	bc	bc	7·8
	Newquay	2	-	52	48	b	b	6·0
	Ilfracombe	5	Trace	54	48	bc	bcp	3·6
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 6TH NOVEMBER

	STATIONS.	Evening of 5TH: Barom. Millibars at M.S.L.	Evening of 5TH: Temp.	Evening of 5TH: Wind Direc.	Evening of 5TH: Wind Force 0–12.	Evening of 5TH: Weather.	Morning of 6TH: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.				‡		°F.	°F.						
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1020·8	36	SW	4	0									*	*
	Gorki	1029·4	34	-	0	0	1029·2	*	34	+4	-	0	0	-	*	34
	VyshniVolochek	1032·3	30	S	2	0	1031·7	*	27	-5	S	1	0	-	*	27
	Hangö	1024·6	41	SSW	5	0	1019·8	+3	43	0	SSW	5	0	-	*	39
	Petrograd	1028·3	36	SSW	2	0	1026·3	-1	36	0	S	4	0	-	39	34
	Moscow	1033·6	30	SE	1	0	1033·6	0	32	0	SSE	2	0	-	*	30
	Kiev	1022·7	39	E	2	0	1025·1	0	37		E	3	S	1	*	36
	Kharkov	1028·4	37	ENE	2	f	1029·0	+1	37	+1	E	2	0	-	*	37
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1021·3	50	-	0	b	1020·6	*	45	-5	-	0	0	-	59	45
	Turin	1021·5	50	-	0	b	1022·1	*	43	+2	-	0	0	-	57	41
	Pesaro	1021·3	55	N	1	b	1020·7	*	50	-5	SW	1	bc	-	59	45
	Leghorn	1020·3	54	-	0	b	1019·4	*	50	-2	-	0	b	-	63	48
	Rome	1018·7	57	N	1	0	1018·7	*	54	+6	N	1	c	-	63	52
	Viesti	1020·7	57	WNW	1	0	1020·3	*	59		W	1	b	-	64	55
	Brindisi	1019·6	64	NW	1	b	1017·5	*	63	0	NW	2	0	-	64	61
	Cagliari	1016·2	61	SE	3	0	1017·3	*	52	-2	SE	3	0	-	64	48
	Palermo	1015·7	61	-	0	0	1017·4	*	55	0	-	0	c	-	70	52
	Tripoli						1018·6	*	54	0	S	1	b	50	*	48
	Algiers	1013·5	64	-	0	b	1015·4	+2	61	+2	WSW	1	c	-	68	59
Sweden	Hernösand	1011·0	39	S	6	0	1005·6	*	39	+2	SSE	6	r	*	*	*
	Stockholm	1015·2	34	S	2	0	1013·6	*	41	+7	SSW	6	0	*	*	*
	Wisby	1024·2	41	S	2	0	1017·1	*	45	+6	SSW	4	0	*	*	*

Morning of 6TH

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	995·5	25	-2	N	7	0
Reykjavik	991·8	27	-3	N	7	bc
Vestmanna	988·4	25	-5	N	5	b
Seydisfjord	989·0	21	+7	NW	4	b
Thorshavn	985·2	33	-5	-	0	bc

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

7TH and 8TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·0 / 7·2	11·37 / 11·37	4·14 / 4·12
Greenwich	7·5 / 7·7	11·44 / 11·44	4·23 / 4·21
Wick	7·44 / 7·46	11·56 / 11·56	4·8 / 4·6
Valencia	7·47 / 7·49	12·25 / 12·25	5·3 / 5·1

Printed at the Meteorological Office, South Kensington, London. S.W.7.
By WYMAN & SONS LTD., Fetter Lane, London, E.C., and Reading.

‡ The barometric change is expressed in half-millibars

THE MORNING OF WEDNESDAY, 7TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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 ◯

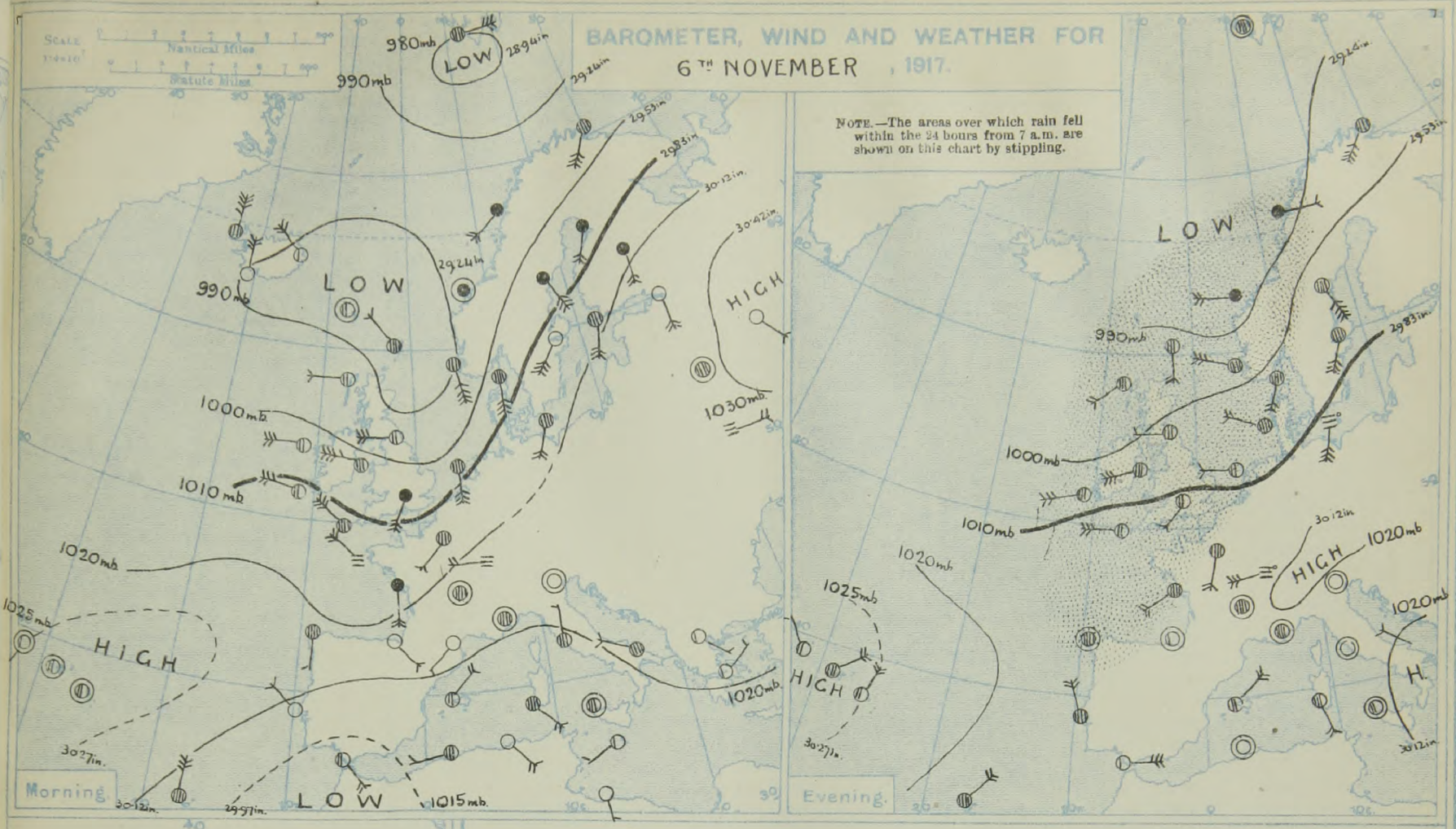
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

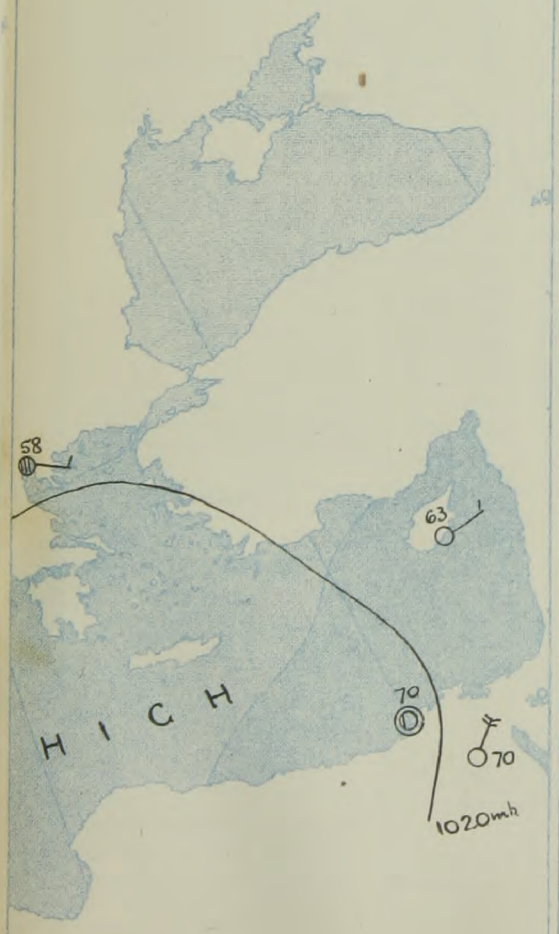
WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊼, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈≈.

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

Normal Temperature of the Sea.
Below 50 | 50°-60° | 60°-70° | Above 70°
Scale of Tints for NOVEMBER.





The Present Conditions

A depression of moderate depth that appeared off the Irish coast yesterday afternoon is now centred near the Orkneys. The wind has shifted to North-West on our western coasts, and blows rather strongly both there and in the English Channel, where the direction is still West. The weather has become fair except near the centre of the depression and in the southern part of the North Sea, where a secondary depression is causing rain at a number of stations. On the Dutch and Danish coasts there is a light SW. breeze and cloudy to misty weather.

The General Outlook

The wind is likely to blow rather strongly from W. or NW. over the whole country, and in the absence of any indications of a new disturbance in the west, the weather may be expected to be fair generally.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No.311.. Wednesday, 7TH NOVEMBER

	STATIONS.	EVENING OF....6th... Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF.....7th..... 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.	24 HOURS ENDED 7 A.M.....7th. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 6TH Hours.
			°F.					‡	°F.	°F.							°F.	°F.				
BRITISH ISLANDS.	Lerwick ...	992.9	42	S	3	c	990.4	-1	43	+1	SE	6	-	rq	5	14	44	38	o.bc	bcp	orq	*
	Deerness (Orkney)	993.9	41	SSW	3	c	989.8	*	39	-3	WNW	4	-	or	3	11	44	38	bcp	c.bc	c.cr.o	0.3
	Stornoway ...	991.0	41	SW	3	c	994.1	+3	39	0	NW	4	-	bc	3	4	44	34	bc.cp	c	b.bcp	1.9
	Castlebay (Barra Isd.)	994.0	43	W	4	c	999.3	+3	43	-1	WNW	4	NW	bc	4	3	47	39	bcph.c	cph.c	c.cp.bc	1.0
	Glasgow ...	997.5	42	SSW	4	og	996.7	+2	37	-4	W	3	NW	bx	*	6	43	36	cr.sp	crh.op	orh.pb	1.8
	Eskdalemuir ...	1000.4	39	SSW	3	bc	996.8	+1	35	-5	WSW	4	NW	bc	*	13	44	33	or.b.dp	bc.o.cp	bc.or.c	4.7
	Malin Head ...	994.6	42	SW	3	omr	998.5	+3	40	-3	NW	6	NW	bcq	6	12	48	37	bcpq	omr	cphq	2.5
	Blacksod Point																					*
	Valencia (Cahirciveen)	1005.2	49	WSW	5	c	1011.7	+3	46	0	NW	5	NW	bc	5	12	50	42	b.bcp	c.or.dp	c.bcpq	2.1
	Roche's Point	1005.8	49	WSW	4	dp	1010.0	*	41	-3	WNW	3	NW	bc	3	3	51	40	bc.o	op	dp.bcp	*
	Birr Castle ...	1001.1	45	SW	3	r	1007.6	*	36	-5	WNW	1	-	c	*	9	48	36	cp	cp.or	cp.c	2.4
	Donaghadee ...	998.2	45	SW	4	cmq	1000.2	+4	38	-5	W	5	W	bcmpq	4	4	47	38	bcmq	cmq	bcmpq	*
	Liverpool (Bidston)	1005.2	46	S	3	o	1000.8	+2	43	-4	W	5	W	cq	4	5	49	41	oh.b	bc.o	orq	5.4
	Holyhead ...	1002.5	49	WSW	6	cq	1002.7	+2	45	-2	WNW	7	NW	cgq	6	3	50	43	bc.c	c.o.cq	c.or.bc	4.5
	Pembroke (St. Ann's)	1008.2	50	SW	4	cq	1006.9	+5	45	-3	WNW	5	NW	cq	4	5	50	44	bcq.cq	cq	cpq.cq	4.4
	Hartland Quay	1010.5	51	WSW	5	c	1007.9	+4	48	-3	NW	6	-	bc	5	5	53	47	cv.bcp	bc.b.o	opd.cp	*
	Scilly (St. Mary's)	1012.9	49	W	5	bc	1010.4	+2	47	-1	NW	6	NW	bcq	6	2	52	45	bc	bc	bc.cpq	8.0
	Falmouth ...	1012.4	45	W	3	b	1009.2	+6	44	-4	NW	3	-	b	*	3	54	43	bc	b	b.cdpb	7.3
	Jersey (St. Aubin)	1013.4	49	W	2	b	1007.7	*	50	-4	WNW	5	W	b	3	3	55	47	od.o.c	o.c.b	bcrq.b	2.4
	Portland Bill ...	1010.6	52	W	4	bc	1004.8	+1	47	-6	WNW	6	W	bc	6	4	54	746	c.bc	bc	cpq	*
	Dungeness ...	1011.0	50	W	3	b	1003.2	-3	48	-5	SW	6	-	rq	5	6	55	47	rq.c	bc	bcrq	*
	Dover	*	*	*	*	*													*	*		
	Wick	994.4	41	WSW	3	bc	990.9	0	34	-7	WNW	2	-	bc	2	5	45	34	or.bcm	bcm	omr.bc	*
	Nairn	994.4	37	-	0	bc	992.6	*	36	-3	W	1	-	bc	1	2	43	34	o.c.bc	bc	op.cx	4.5
	Aberdeen	997.6	40	SSE	3	b2	992.6	+1	37	-2	W	3	S	b	2	4	47	37	or.c.b	b.bc.b2	b.or.b	3.5
	Leith	998.0	42	SW	2	c	994.2	0	38	-3	WSW	2	SW	c	3	4	45	37	o.c.b.cp	chu.cp	cp.dpc	*
	Tynemouth ...	1003.0	45	W	1	cm	996.3	+2	38	-6	W	2	-	bm	3	-	49	37	bcq	bcm	bm	*
	Spurn Head ...	1006.5	47	WSW	3	c	998.5	0	43	-6	WSW	4	-	cq	4	2	49	42	bcq	bc	cm	1.0
	Yarmouth (Corleston)	1008.5	45	NW	1	bc	1001.5	-3	45	-7	SW	3	-	od	3	1	53	40	omr.bc	bcm	bcm.od	8.8
	Clacton-on-Sea	1010.4	46	WSW	1	bc	1001.5	-4	46	-5	W	3	W	r	2	2	53	45	opg.bc	bc	bc.org	3.9
	Nottingham ...	1007.2	45	WSW	2	c	1000.6	*	40	-9	WSW	3	W	cm	*	1	52	40	o.c.bc	o.bc	c.bc	5.1
	Benson (Oxon.) ...	1009.2	41	SW	1	b	1002.3	+1	43	-9	WSW	3	-	c	*	3	52	40	bc	b	b.or	*
	Sth Farnborough	1011.2	41	W	2	b	1003.5	0	42	-12	W	2	-	cr	*	2	54	39	rq.b	bc.b	b.op.bc	4.4
	Salisbury Plain	1011.0	40	SW	3	bc	1004.3	0	39	-12	W	4	W	bc	*	1	51	38	o.bc.b	b.bc.op	c.orq	*
	London (Kew Obsy.)	1010.5	47	SW	2	bc	1003.0	+1	44	-9	WSW	2	-	o	*	3	54	43	omr.o.b	b.bc	bc.b.or	4.0
NORTHERN EUROPE.	Spitsbergen ...	987.1	14	-	0	o	993.5	+3	9	-9	NNE	8	*	o	*	*	18	7				
	Vardö	992.7	37	SW	8	o	987.4	-3	39	+2	S	4	-	r	4	*	39	32				
	Bodö	986.3	39	E	2	r	996.4	+5	39	-2	W	4	-	c	2	11	43	36				
	Christiansund ...	984.6	43	W	4	r	1001.8	+2	39	-6	SE	2	-	b	4	18	45	37				
	Skudesnaes ...	992.3	45	WNW	5	o	998.8	-1	?48	-2	ESE	6	-	b	5	3	50	45				
	Færder (X'ianiaFjord)	998.7	48	SW	7	b	1003.0	+1	45	-3	SW	1	-	o	3	16	48	45				
	The Scaw (Skagen)	1002.4	43	SSW	4	o	1004.0	-1	45	-1	SSW	3	S	c	3	5	48	43				
	Blaavands Huk	1005.6	46	WNW	3	o	1004.0	-3	45	-3	S	2	-	o	*	4	50	43				
	Copenhagen ...	1009.2	46	SW	4	r	1006.3	-1	46	+3	SW	2	-	f	*	7	46	43				
	Bornholm ...	1011.6	45	SSW	6	m	1007.6	-2	43	+2	SSW	4	-	o	1	Trace	45	39				
FRANCE, &c.	The Helder ...	1009.4	48	W	2	bc	1002.4	-4	43	-7	S	3	-	c	2	3	50	39				
	C. Gris Nez ...	1009.8	51	WNW	4	bc	1003.4	-5	51	-1	SSW	6	*	r	5	4	54	48				
	La Hève	1012.3	49	W	4	bc	1007.4	*	46	-	WSW	5	*	o	5	-	52	45				
	Brest (St. Mathieu)	1015.8	51	NW	4	b	1011.4	+2	52	+2	WNW	5	*	bc	4	1	55	50				
	Rochefort (Ile d'Aix)	1016.7	57	SW	4	o	1013.5	0	53	+3	WSW	4	*	c	*	2	57	50				
	Biarritz	1017.9	57	-	0	b	1017.4	+1	54	+10	SW	3	*	c	2	-	63	43				
	Paris	1014.1	54	S	3	o	1010.7	-1	41	-9	SW	2	-	o	*	2	59	45				
	Belfort	1019.2	46	WSW	5	m	1017.2	*	37	-4	WSW	4	*	f	*	-	48	34				
	Lyons	1019.5	46	-	0	o	1017.2	*	39	-7	-	0	*	c	*	-	50	39				
	Nice	1019.5	50	-	0	o	1019.7	+1	48	-4	-	0	*	c	2	-	54	46				
	Perpignan ...														*							
	Sanguinaire ...	1017.9	61	S	3	c	1019.1	*	58	-	E	3	*	o	2	-	68	54				
SOUTHERN STATIONS.	Corunna	1018.8	57	-	0	o	1022.7	+2	55	+7	-	0	5	c	1	2	59	48				
	Madrid														*							
	Lisbon	1015.9	61	NW	3	c	1019.0	+2	54	0	NNW	1	-	b	2	-	64	54				
	Azores (Horta) ...	1027.1	*	NE	4	c	1027.5	+1	63	0	NE	S	*	bc	3	2	73	63				
	Madeira	1017.8	66	NE	4	o	1018.7	0	63	-3	NE	4	-	bc	4	-	68	63				
	Gibraltar	1015.6	60	E	5	b	1016.6	*	61	+8	E	4	*	bc	3	Trace	62	52				
	Malta	*	*	*	*	*																
	Limassol	*	*	*	*	*	1019.4	-3	63	-7	E	1	-	b	0	-	80	57				
	Alexandria ...	1020.2	70	N	2	b	1021.4	0	70	-3	-	0	NE	b	0	-	79	64				
	Cairo (Helwan) ...	1017.8	72	NE	4	b	1018.8	+3	70	-2	NE	4	-	b	*	-	84	68				

GALES.
Duration and Extreme Force in British Isles.

Eskdalemuir
Gust 22 m/s, night (6th)

Cahirciveen
Gust 21 m/s, night (6th)

Holyhead
Gusts 26 m/s, morning (6th)

Hartland Quay.
Gust, force 8, night (6th)

Scilly
Squalls force 8, at midnight.

NOTES

SOLAR HALO observed at Clacton at noon, and at S. Farnboro' at 11 and 15h (6th)

LONDON 7TH NOVEMBER 9h. G.M.T.	Humidity. 15 h. 6th	Humidity. 9 h. 7th	Sunshine for 6th	24 Hours ended 9 h.....7th.... Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	66	85	3.3	54	41	30	2	or.bc	b	bc.c.od
CITY (Bunhill Row)	*	*	2.3	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	64	86	3.0	55	44	37	1	bc	bc	or.bc
CAMDEN SQ. (British Rainfall) ..	65	76	3.7	53	43	39	3	o.c	bc.o	*
HAMPSTEAD (Reservoir)	*	93	3.8	52	41	33	4	bc	b	or.c
S. KENSINGTON (Museum Grounds)	*	81	3.2	54	45	37	1	or.cg.b	b	b.or.bc

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during .. 6th..

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
400	11.7	27

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

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 Meteorological Office.

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,440. THURSDAY, 8TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

Rainfall was fairly heavy in parts of Scotland, 16 mm. at Lerwick and 12 mm. at Aberdeen. The weather was cooler than of late, the maximum lying generally between 40° and 50°, while at Farnborough the thermometer fell to 32° at night. Sunshine records were all good in the south-east and along the south coast of England, up to 7 – 8 hours.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 7TH NOVEMBER

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 7TH
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	3	7	44	36	bc	c.or	2·4
	Montrose	4	3	46	37	b	b	5·2
	St. Andrews			46	36	bc	bc	5·4
Eng. N.E.	Harrogate	6	-	43	35	bc.b	bc.b	5·4
	Skegness	Trace	-	46	32	bc	b	5·3
England, E.	Felixstowe	3	-	48	42	bc	bc	5·3
	Walton-on-Naze							
	Southend-on-Sea	1	1	50	43	q.c.bc	by.c.o/v	4·8
England, S.E.	Margate	4	-	48	42	c	b.bc	4·3
	Hastings							
	Eastbourne	5	-	49	41	b	b	7·0
	Seaford	*	*	54	42	bc	bc	7·1
	Brighton							
	Worthing	2	-	49	40	b	b	7·7
	Littlehampton							
	Bognor	*	*					
	Bournemouth	1	-	50	41	b	b	7·6
Scotld W.	Oban	6	1	45	38	c	o/v	0·9
Eng. N.W.	Morecambe	7	3	45	39	*	*	1·0
	Southport	11	Trace	45	42	bc.c.bc	c.bc.c.or c	3·3
Midlands.	Ross-on-Wye	6	Trace	47	36	bc/v	bc	5·5
	Malvern	5	-	46	38	b.bc	bc.b	5·0
Wales.	Rhyl	1	1	46	39	r.h	hq	2·3
	Colwyn Bay	3	3	46	40	c/v	c/v	3·5
	Llandudno	*	*	53	42	r.c	bc	3·1
	Aberystwyth	*	*	47	43	r.o.c	bc.o	3·7
England, S.W.	Weymouth	*	*					
	Torquay	1	Trace	48	42	b.bc/v.b	bc/v	6·7
	Paignton	*	*	55	42	bc	r.bc	6·5
	Penzance	5	2	51	43	bc	bc/v.r.h	7·0
	Newquay	4	-	48	44	bq	bq	5·8
	Ilfracombe	9	1	47	46	c.o	c/v	0·0
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 7TH NOVEMBER

	STATIONS.	Evening of 6TH: Barom. Millibars at M.S.L.	Evening of 6TH: Temp.	Evening of 6TH: Wind Direc.	Evening of 6TH: Wind Force 0–12.	Evening of 6TH: Weather.	Morning of 7TH: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					±	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1019·9	36	SSW	5	r	1018·3	-2	34		SSW	5	9	1	*	34
	Gorki	1026·4	38	-	0	0	1023·4	*	34	0	-	0	0	-	*	32
	Vyshni Volochek	1031·8	28	S	3	0	1027·8	*	32	+5	S	8	0	-	*	?
	Hangö						1012·7	-1	43	0	SSW	8	0	-	*	39
	Petrograd	1023·9	38	S	5	0	1021·5	-1	34	-2	SSE	4	0	-	39	34
	Moscow	1033·0	34	SE	2	0	1030·7	-1	30	-2	SE	2	0	-	*	30
	Kiev	1023·0	41	SE	3	0	1020·8	-1	41	+4	SE	3	f	7	*	36
	Kharkov	1028·0	39	NE	2	r	1025·6	-1	39	+2	ESE	1	f	2	*	37
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa	1022·7	57	SSE	3	0									*	
	Tarkhankout							*							*	
	Yutiev	1025·8	36	S	2	0									*	
Mediterranean.	Venice	1019·4	48	-	0	b	1019·7	*	43	-2	N	1	0	-	57	43
	Turin	1020·2	44	-	0	0	1020·3	*	46	+3	-	0	0	-	52	43
	Pesaro	1019·0	52	N	1	0	1019·3	*	52	+2	-	0	0	-	57	48
	Leghorn	1018·3	54	-	0	b	1018·5	*	50	0	-	0	0	-	59	48
	Rome	1017·8	63	-	0	b	1019·4	*	50	-4	N	1	bc	-	64	50
	Viesti	1019·7	57	WNW	1	b	1020·1	*	57	-2	NW	1	0	-	63	54
	Brindisi	1020·1	61	NW	2	r	1018·7	*	63	0	NW	2	c	-	63	59
	Cagliari	1018·6	61	SSE	3	c	1018·7	*	52	0	NW	3	b	-	64	48
	Palermo	1017·9	59	-	0	bc	1020·6	*	57	+2	-	0	b	-	68	48
	Tripoli						1021·8	*	64	+10	-	0	b	-	*	52
	Algiers	1017·0	63	-	0	b	1017·2	-1	61	0	-	0	0	-	72	61
Sweden	Hernösand	998·0	41	SSW	4	0	1002·8	*	41	+2	S	2	b	*	*	*
	Stockholm	1007·9	43	SSW	6	0	1007·4	*	43	+2	S	2	r	*	*	*
	Wisby	1012·8	45	SSE	8	0	1009·6	*	43	-2	S	2	0	*	*	*

Iceland.	Morning of 7TH: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	1014·2	21	-4	-	0	c
Reykjavik	1012·3	21	-6	E	1	b
Vestmanna	1010·2	27	+2	N	1	b
Seydisfjord	1008·7	12	-9	NE	6	s
Thorshavn	993·3	37	+4	N	3	o

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

8TH AND 9TH NOV., 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·2	11·37	4·12
	7·4	11·37	4·10
Greenwich	7·7	11·44	4·21
	7·9	11·44	4·19
Wick	7·46	11·56	4·6
	7·49	11·56	4·3
Valencia	7·49	12·25	5·1
	7·51	12·25	4·59

Printed at the Meteorological Office, South Kensington, London, S.W. 7.
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± The barometric change is expressed in half-millibars

THE MORNING OF THURSDAY, 8TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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.

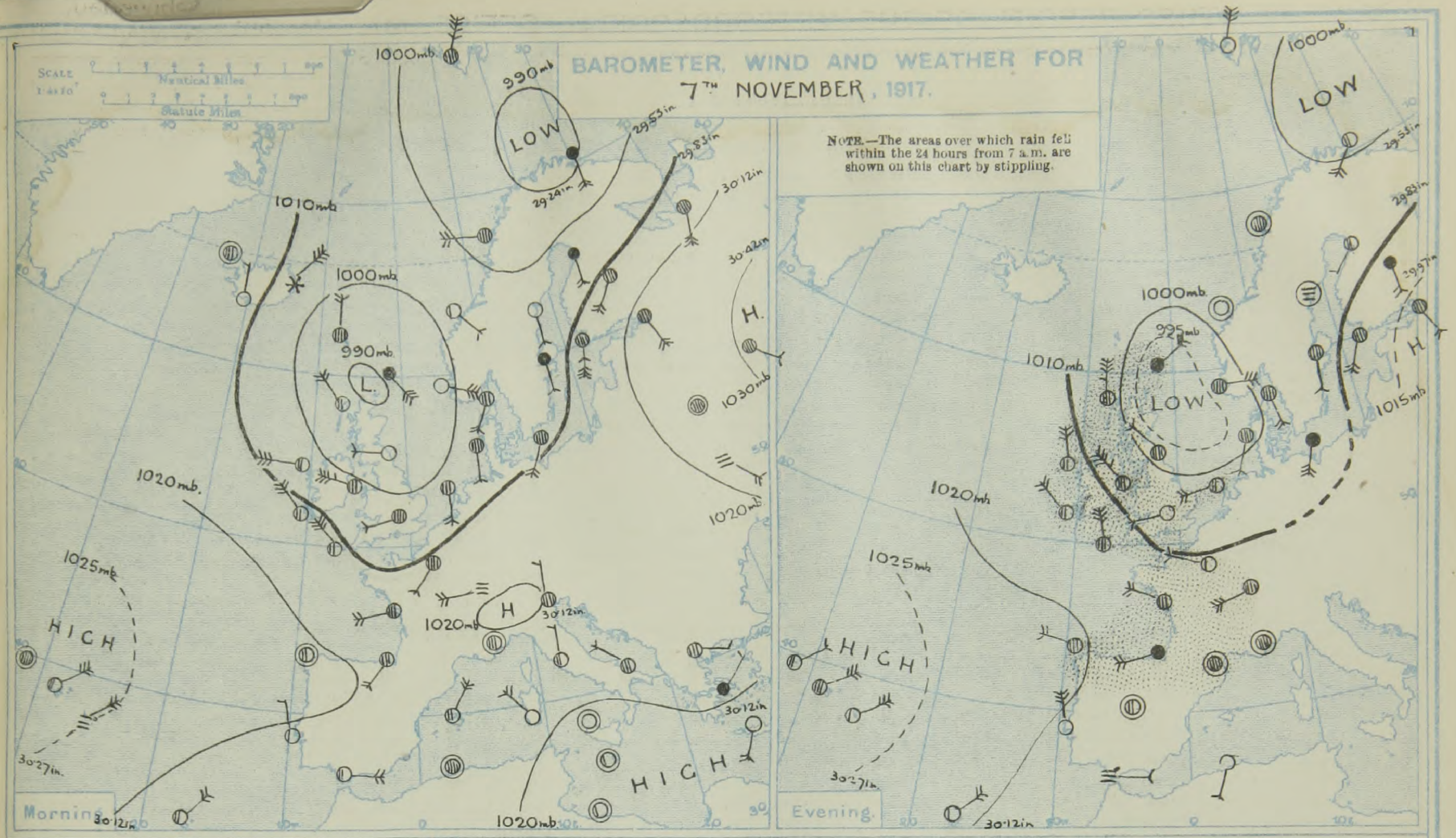
WEATHER.—Shown by the following symbols :—
○ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ϒ thunder.
ϒ, thunderstorm.

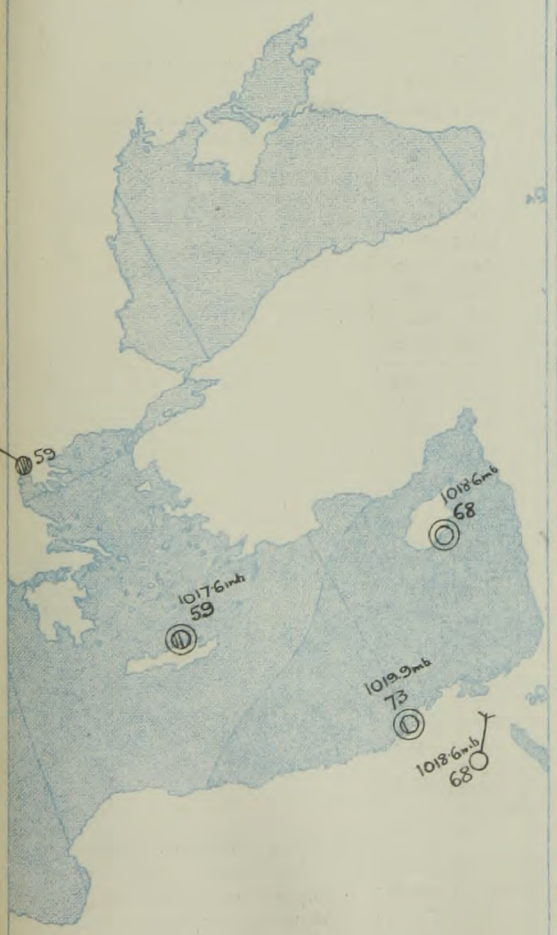
SEA DISTURBANCE.—Rough ~~~. High ≈≈.

1010mb
LOW
1010mb
HIGH
1005mb
1000mb
995mb
990mb
985mb
LOW
Barometer
falling
Barometer
rising
LOW
1010mb
HIGH
1030mb
1025mb
1020mb
1015mb
1015mb
29·83in
29·68in
30·12in
30·27in
29·53in

SCALE 1 : 2×10⁷
Nautical Miles
Statute Miles

Normal Temperature of the Sea.
Below 50° 50°-60° 60°-70° Above 70°
Scale of Tints for NOVEMBER.





The Present Situation

A shallow depression covers the northern part of the North Sea and the southern part of Norway. In these regions the strong winds of yesterday have died out, and some rain is falling. Further south a fresh Westerly wind is general, with fair weather. A new depression is advancing from the Atlantic and is causing rain and increasing South-Westerly winds in Ireland. Anticyclonic conditions prevail over the Bay of Biscay.

The General Outlook

The western depression will spread further in, and the weather will become dull, mild and rainy generally, with strong winds from between South and West. Gale force is likely to be attained in the western districts.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 312 Thursday, 8th NOVEMBER

	STATIONS.	Evening of 7th: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 8th: 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.	24 hours ended 7 a.m. 8th: Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 7th. Hours.
BRITISH ISLANDS.	Lerwick ...	993·9	44	NE	6	rq	998·0	0	45	+2	E	2	–	o	2	16	45	41	orq	orq	o	*
	Deerness (Orkney)	993·5	40	NNE	3	b	998·3	*	42	+3	NW	2	N	bc	1	2	43	39	or.c.bc	c.bc	c.o.bc	1·5
	Storroway ...	1004·1	41	N	7	cqph	999·4	–6	38	–1	SW	2	–	o	1	5	44	35	c.bcpq	cqph	b.o	2·6
	Castlebay (Barra Isd.)	1008·6	43	NNW	5	bc	1010·6	–6	42	–1	SSE	4	–	d	4	1	45	41	bch.bc	c	bc.or	1·0
	Glasgow ...	1001·5	41	WSW	3	b	1003·8	–1	38	+1	WSW	2	–	omg	*	0·1	43	36	b.bc.cp	bc.b	op.bc.ox	4·3
	Eskdalemuir ...	1001·5	37	WNW	5	b	1004·2	+2	37	+2	W	3	–	or	*	–	42	34	bc	bc.bcv	bc.bbc	3·9
	Malin Head ...	1006·7	45	NNW	7	cq	1002·3	–6	38	‡2	S	4	N	omr	4	4	46	38	cqph	bcqph	omd	4·2
	Blacksod Point	1014·3	?43	NW	5	bcpq	1000·7	–5	48		SSW	6	–	omr	5	9	48	37	bcqph	bcqph	bc.omr	*
	Valencia (Cahirciveen)	1017·7	45	NW	4	bc	1009·5	–9	49	+3	SW	5	–	or	?	4	49	43	b.bcp	b.bcph	bc.c.or	6·2
	Roche's Point	1015·8	42	NW	2	b	1011·0	*	47	+6	WSW	2	–	o	3	2	47	41	bcpq	cp.bc.b	b.op	*
	Birr Castle ...	1013·9	38	WNW	2	c	1006·1	*	44	+8	SW	2	–	o	*	3	45	35	cp	cph	c.op	5·3
	Donaghadee ...	1006·0	43	NW	5	bcpq	1006·5	–2	39	+1	SW	3	–	omr	3	2	44	37	bcpq	bcpq	bcq.om	*
	Liverpool (Bidston)	1004·6	43	W	5	c	1007·2	–1	43	0	W	4	W	bc	4	3	49	42	cp.bc	bc.o	bcq	3·0
	Holyhead ...	1007·0	46	NW	7	cphgq	1008·3	–2	44	–1	W	5	NW	og	5	0·2	46	43	cq	cqph	cpq.o	4·1
	Pembroke (St. Ann's)	1011·2	44	NW	5	cq	1012·7	–2	41	–4	W	3	–	or	4	0·2	47	38	cq.bcq	bcq.cq	bcq.or	5·3
	Hartland Quay	1011·3	48	WNW	5	bc	1013·5	–1	48	0	W	4	–	op	4	0·2	50	46	cphq	bcphq	cpq.op	*
	Scilly (St. Mary's)	1015·2	48	NNW	6	cq	1016·9	–1	47	0	W	5	W	olp	6	1	50	45	bc.c	cpq	c.cp	7·1
	Falmouth	1013·6	43	NW	6	bq	1015·2	–1	43	–1	WSW	2	–	bc	*	2	49	39	bc.cph	bq.cph	cp.bc.o	6·8
	Jersey (St. Aubin)	1012·0	44	NW	4	op	1015·4	*	45	–5	NW	2	NW	b	3	4	52	43	bq.cq	bqph	b.gh.b	3·8
	Portland Bill ...	1008·7	47	NW	5	bc	1012·9	+2	46	–1	WNW	4	–	bc	3	–	49	46	bc	bc	b.bc	*
	Dungeness ...	1006·5	42	W	4	b	1010·3	+2	37	–11	W	4	W	b	3	–	51	35	bcp	bc	b.bcx	*
	Dover	*	*	*	*	*											*		*			
	Wick	993·2	43	N	3	r	993·3	0	42	+8	WNW	2	–	cmp	2	7	44	34	bc.omp	omp	o.c.bcp	*
	Nairn	997·4	42	WNW	5	ogu	1001·0	*	37	+1	W	2	–	eg	2	3	42	35			opq.c	1·2
	Aberdeen ...	993·6	40	WNW	7	crq	1000·0	0	39	+2	W	3	NW	C	2	12	43	36	b	bc.orq	crh.pq	5·4
	Leith	999·2	40	SW	2	b	1002·2	0	39	+1	WSW	2	W	c	2	–	45	36	cu.bc.c	c.bc.c.b	b.bcu.c	*
	Tynemouth ...	999·0	44	NW	2	omg	1002·3	+2	37	–1	NW	3	NW	bc	3	–	45	37	bq	cm	bcq	*
	Spurn Head ...	1002·0	43	WNW	4	bq	1003·7	+1	40	–3	WNW	5	–	bq	4	–	45	39	cq	bcq	bq	0·0
	Yarmouth (Gorleston)	1003·3	39	NW	2	b	1005·5	+2	36	–9	WNW	2	–	b	2	–	47	35	bcq	b	bm!	5·3
	Clacton-on-Sea	1005·7	40	WNW	2	bc	1005·7	+3	37	–9	W	4	SE	b	3	1	48	36	ogr.bc	bcq.bc	bc.bx	5·7
	Nottingham ...	1004·5	39	W	2	b	1006·6	*	38	–2	W	3	SW	c	*	0·2	43	35	c.op	bc.op	bc.b	2·5
	Benson (Oxon.) ...	1007·2	36	W	1	b	1010·3	+2	34	–9	SW	2	NW	b	*	0·1	47	34	bc	b	bx	*
	Sth Farnborough	1007·8	39	WSW	3	b	1011·7	+2	35	–7	WSW	3	NW	b	*	–	48	32	r.c.bc.o	b.c.b	b x	6·0
	Salisbury Plain	1008·4	39	W	5	bcq	1012·3	+2	36	–3	W	3	W	c	*	–	46	34	bq	c.bc.bq	b.bc.cq	*
	London (Kew Obsy.)	1007·3	42	WSW	2	b	1010·9	+3	36	–8	WSW	2	–	bmx	*	0·1	47	36	o.b.bc	c.b	b.bmx	6·2
NORTHERN EUROPE.	Spitsbergen ...	1003·6	–2	NNE	6	b	1010·4	+1	0	–9	NE	6	*	b	*	*	9	–9				
	Vardö	996·2	31	SW	4	bc	1010·8	+3	30	–9	N	5	–	o	4	*	39	30				
	Bodö	1007·1	39	–	0	o	1008·4	0	32	–7	E	1	–	c	1	?	39	30				
	Christiansund ...	1003·2	37	–	0	b	1000·8	–1	37	–2	SE	4	–	b	3	–	43	36				
	Skudesnaes ...	996·6	45	E	5	o	997·8	+1	43	–3	E	3	–	o	3	2	45	43				
	Færder (X'ianiaFjord)	1002·2	43	E	2	o	997·6	–1	39	–6	NE	5	–	r	2	7	45	39				
	The Scaw (Skagen)	1001·0	46	SSE	3	o	999·0	+1	41	–4	SW	2	–	o	2	1	46	39				
	Blaavands Huk	997·8	43	SSW	2	o	?1000·8	+2	43	–2	WSW	2	–	bc	*	6	46	41				
	Copenhagen ...	1001·9	48	SW	3	o	1002·3	+2	45	–1	SW	2	–	m	*	3	48	41				
	Bornholm ...	1004·2	45	SSW	5	r	1003·4	+1	45	+2	SW	4	–	o	1	4	46	43				
FRANCE, &c.	The Helder ...	1001·6	46	WSW	4	bc	1002·7	0	45	+2	WSW	6	–	o	4	3	48	41				
	C. Gris Nez ...	1006·8	46	W	4	b	1010·3	+2	43	–8	W	6	*	b	5	–	52	41				
	La Hève	1008·7	45	WNW	5	bc	1012·8	*	45	–1	NW	4	*	bc	5	3	54	43				
	Brest (St. Mathieu)	1016·2	48	NW	5	bc	1019·0	+1	48	–4	NNW	4	*	c	3	–	55	45				
	Rochefort (Ile d'Aix)	1015·6	52	NW	5	c	1020·0	+3	48	–5	N	4	*	bc	*	2	57	46				
	Biarritz	1016·8	55	WSW	4	r	1020·3	+1	54	0	NNW	4	*	o	4	16	55	43				
	Paris	1010·7	43	WSW	2	b	1014·2	+3	34	–7	WSW	2	–	b	*	2	50	34				
	Belfort	1011·6	45	WSW	5	o	1015·6	*	34	–3	WSW	3	*	c	*	5	49	33				
	Lyons	1014·2	52	–	0	o	1017·2	*	36	–3	NW	2	*	bc	*	36	55	36				
	Nice	1016·2	52	–	0	o	1008·2	–4	46	–2	SW	1	*	bc	2	–	59	45				
	Perpignan ...	1017·1	52	–	0	o	1017·9	+3	46	–	N	2	–	r	*	1	59	46				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1022·4	57	WNW	3	c	1027·0	+2	52	–3	–	0	–	c	2	?	57	50				
	Madrid	1017·3	55	–	0	bc	1024·2	+3	41		–	0	–	b	*	–	57	39				
	Lisbon	1019·6	58	NNW	5	b	1022·3	+2	54	0	NNW	5	–	b	5	–	63	52				
	Azores (Horta) ...	1028·2	*	NE	5	c	1030·8	+1	59	–4	NNE	4	*	b	2	–	66	59				
	Madeira	1026·2	68	NE	4	b	1023·0	+2	64	+1	NE	4	–	bc	3	–	72	61				
	Gibraltar	1018·9	60	E	2	m	1019·6	*	63	–8	W	3	*	m	3	–	65	52				
	Malta	*	*	*	*	*	1015·6	0	63	0	–	0	–	o	0	–	70	61				
	Limassol	*	*	*	*	*	1018·4	+1	68	+5	–	0	–	b	0	–	80	55				
	Alexandria ...	1020·6	68	N	2	b	1019·9	0	73	+3	–	0	NE	b	0	–	77	64				
	Cairo (Helwan) ...	1018·4	70	N	3	b	1018·6	–1	68	–2	NE	2	–	b	*	–	82	63				

LONDON 8th NOVEMBER 9h. G.M.T.	Humidity. 15 h. %	Humidity. 9 h. %	Sunshine for 7th. Hours.	24 hours ended 0 h. 8th.. Temperature. Max. °F.	Temp. Min. °F.	Temp. Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	64	85	3·1	48	35	29	Trace	c.bc	bc	b.cr.ox
CITY (Bunhill Row)	*	*	4·5	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	71	89	3·8	49	38	30	–	bc	bc	m.bc
CAMDEN SQ. (British Rainfall) ...	63	85	5·0	50	35	31	Trace	bc	bc	*
HAMPSTEAD (Reservoir)	*	83	6·0	47	33	24	Trace	bc	bx	bx
S. KENSINGTON (Museum Grounds)	*	82	4·5	48	36	30	–	a.bc	bc	b.bx

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during .. 7th..

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
340	10·2	33·5

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

GALES.

Duration and Extreme Force in British Isles.

HOLYHEAD
NW 8 at 17h (7m)

NAIRN
Gale: WNW 8, 19h – midnight.
Extreme: WNW 9 at 23h. (7m)

ABERDEEN
Gusts: 21 m/s at 18h (7m)
22 m/s, night (7m)

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 Meteorological Office.

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,441. FRIDAY, 9TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

The weather was milder yesterday, maxima exceeding 50° the West and South. At night however, the thermometer fell to about 35° at many inland stations. Rainfall was general, but not very heavy as a rule. Lerwick had 11 mm., Holyhead and Liverpool 10 mm. Sunshine amounted to 2 hours at Great Yarmouth and Hastings, elsewhere there was little or none.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 8TH NOVEMBER.

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 8TH.
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	5	-	45	39	c.bc	c.o	1·4
	Montrose	1	-	44	38	o	o	1·0
	St. Andrews							
Eng. N.E.	Harrogate	-	Trace	43	36	o	or	0·0
	Skegness	Trace	Trace	44	?33	o	o	0·5
England, E.	Felixstowe	-	1	44	36	bc.c	cp.bc	1·5
	Walton-on-Naze							
	Southend-on-Sea	-	1	45	33	o	or	0·4
England, S.E.	Margate	-	Trace	48	37	bc.c	c.or	1·4
	Hastings	-	1	48	34	b.bc.o	or	2·2
	Eastbourne	Trace	2	49	37	bc.b	od.r	1·0
	Seaford	*	*	?	37	o	r	1·3
	Brighton							
	Worthing	-	1	48	33	bc.c	r	1·1
	Littlehampton	*	*	49	34			0·0
	Bognor	*	*					
	Bournemouth	-	5	50	36	or	or	0·0
Scotland W.	Oban	1	3	48	37	or	o	0·0
Eng. N.W.	Morecambe	Trace	3	46	40	* or	* or	0·0
	Southport							
Midlands.	Ross-on-Wye	-	2	47	37	o	c.or	0·0
Wales.	Rhyl	1	1	52	42	r.o	o?r	0·0
	Colwyn Bay	1	1	53	41	c	cp	0·0
	Llandudno	*	*	53	42	r	cr	0·2
	Aberystwyth	*	*	51	41	r.o.c	c.o	0·0
England, S.W.	Weymouth	*	*	52	40	o.c	c.or	0·0
	Torquay	Trace	Trace	52	38	o	od	0·0
	Paignton	*	*					
	Penzance	2	2	53	44	orm	om.c	0·0
	Newquay	2	4	52	42	r.d	r.d	0·0
	Ilfracombe	1	5	47	45	or	or	0·0
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 8TH NOVEMBER.

	STATIONS.	Evening of 7TH. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 8TH. 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.	Weather.	Rainfall, Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	F.	°F.					F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1017·5	32	SSW	5	o									*	
	Gorki							*							*	
	Vyshni Volochek	1023·0	32	S	2	o		*							*	
	Hangö	1010·9	45	SSW	4	o	1008·0	-2	43	o	E	5	o	-	*	41
	Petrograd	1018·1	37	SE	2	o	1017·2	-1	37	+3	SSE	4	o	-	37	34
	Moscow	1025·7	34	SE	3	o	1022·4	-2	32	+2	-	o	o	1	*	?30
	Kiev	1018·3	41	NNW	3	o									*	
	Kharkov	1020·2	39	-	o	o									*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev														*	
	Odessa							*							*	
	Tarkhankout														*	
	Yuriev							*							*	
							1015·1	+2	37		S	2	o	?	*	?
Mediterranean.	Venice	1016·9	50	-	o	o	1010·2	*	48	+5	ENE	1	r	2	55	43
	Turin	1015·8	48	-	o	o	1009·8	*	45	-1	-	o	r	4	?	45
	Pesaro	1016·2	54	-	o	bc	1010·6	*	54	+2	-	o	o	Trace	59	52
	Leghorn	?	57	-	o	o	1009·8	*	59	+9	-	o	o	9	63	?50
	Rome	1017·7	57	-	o	bc	1013·2	*	52	+2	-	o	o	-	64	50
	Viesti	1016·9	61	SSE	1	c	1013·7	*	59	+2	SSE	1	o	-	61	55
	Brindisi	1017·7	59	SE	1	b	1015·5	*	57	-6	SE	1	o	-	64	57
	Cagliari	1017·3	61	SE	3	b	1014·7	*	54	+2	NW	2	bc	-	64	50
	Palermo	1019·7	57	-	o	bc	1015·8	*	54	-3	-	o	b	-	72	50
	Tripoli	1017·5	63	-	o	b	1015·9	*	64	o	-	o	b	-	72	57
	Algiers	1017·5	63	SSW	2	b	1016·6	+2	61	o	W	4	c	-	72	61
Sweden	Hernösand	1006·2	36	-	o	f	1006·4	*	36	-5	NW	2	o	*	*	*
	Stockholm	1005·8	43	S	2	o	1001·1	*	45	+2	SSE	2	r	*	*	*
	Wisby	1005·5	43	S	2	r	1002·8	*	46	+3	SSW	2	o	*	*	*

Morning of 8TH.

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	993·2	34	+13	E	7	o
Reykjavik	981·1	30	+9	E	9	o
Vestmanna	981·8	36	+9	E	9	r
Seydisfjord	998·6	25	+13	NE	2	S
Thorshavn	993·0	36	-1	-	o	b

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

9TH AND 10TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·4 / 7·6	11·37 / 11·37	4·10 / 4·8
Greenwich	7·9 / 7·11	11·44 / 11·44	4·19 / 4·17
Wick	7·49 / 7·51	11·56 / 11·56	4·3 / 4·1
Valencia	7·51 / 7·53	12·25 / 12·25	4·59 / 4·57

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‡ The barometric change is expressed in half-millibars.

THE MORNING OF FRIDAY, 9TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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.

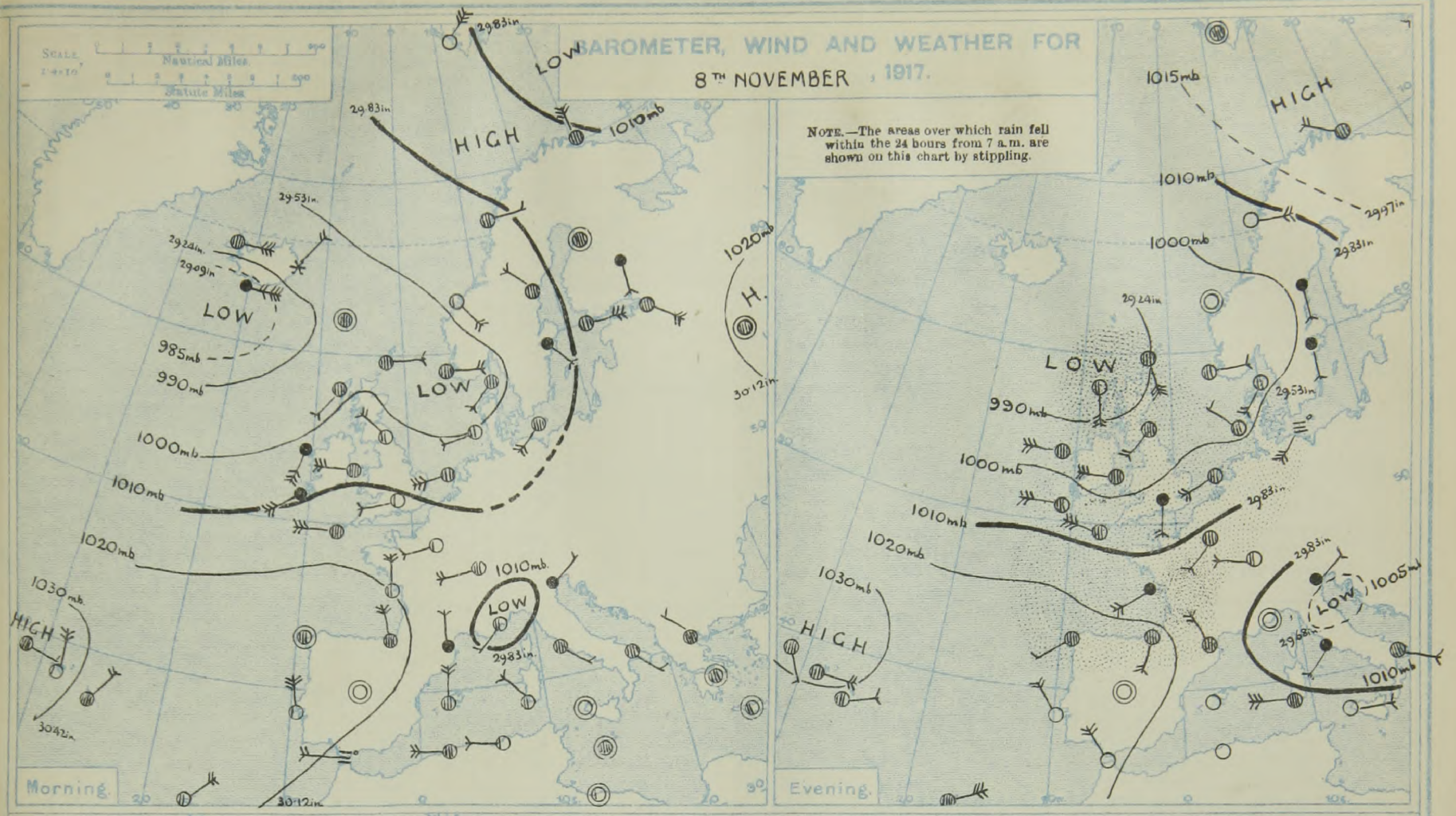
WEATHER.—Shown by the following symbols:—
◯ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ϒ thunder. ϒ⁄ thunderstorm.

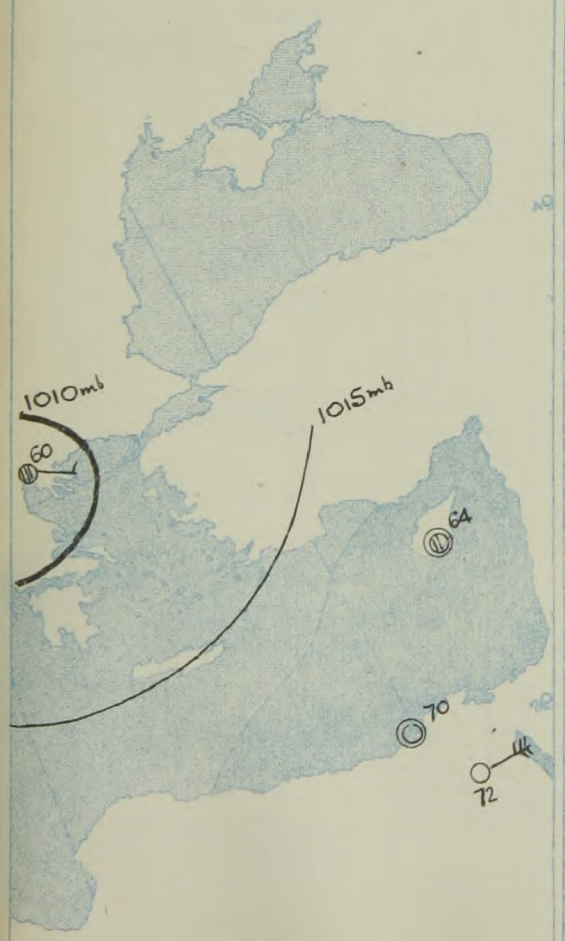
SEA DISTURBANCE.—Rough ~~ High ~~

HIGH
1015mb
1010mb
1005mb
1000mb
995mb
990mb
985mb
980mb
1020mb
1025mb
1030mb
2997in
2983in
2968in
2953in
2938in
2924in
2909in
2894in
30·42in
30·27in
30·12in
LOW
Barometer falling
Barometer steady
Barometer rising
40°
50°

Scale 1 : 2 × 10⁶
Nautical Miles
Statute Miles

Normal Temperature of the Sea.
Below 50° | 50°-60° | 60°-70° | Above 70°
Scale of Tints for NOVEMBER.





The Present Situation

A rather deep depression lies off the NW coast of Scotland, and extends its influence over the whole of the North Sea. A strong Westerly wind is general over England and draws towards WNW over Ireland. The weather is fair in the Eastern districts and cloudy with passing showers in the West. Over Denmark and Holland a strong wind is blowing from between S and SW, and rain is falling at Blaavands Huk and Utrecht. In Scotland there is a SW wind of little strength inland. The weather has become fine temporarily in East Scotland. In Iceland the wind is NE to N, a gale in the West, with snow in places.

The General Outlook

The depression in the North-West will move gradually Eastwards, maintaining strong Westerly winds over the British Isles. The formation of secondaries will cause unsettled weather, but some fair intervals are likely, especially in the South. The temperature will tend to become rather lower.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 313. Friday, 9th NOVEMBER.

	STATIONS.	EVENING OF 8TH: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF 9TH: 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.	24 HOURS ENDED 7 A.M. 9TH: Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 8TH.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick	990·0	46	SSE	6	om	981·2	0	44	-1	SE	6	-	rq	5	11	46	41	bc.c	c.mp	rq	*
	Deerness (Orkney)	988·1	44	SE	4	o	981·4	*	39	-3	SW	2	SE	b	1	2	45	39	c	c.o	or.c.bc	1·4
	Stornoway	985·2	45	S	5	bc	977·5	-5	43	-5	S	5	-	bc	4	5	48	38	orq	odq.bc	bcp	0·0
	Castlebay (Barraisd.)																					
	Glasgow	991·0	46	SW	3	om	986·4	-4	39	+1	SSW	2	W	cm	*	4	46	37	omp	omp	c.b.bcp	0·0
	Eskdalemuir	992·9	41	SSW	2	omd	988·4	-1	35	-2	SW	4	-	or	*	9	44	35	or.omd	oinr	omd.or	0·0
	Malin Head	991·3	47	SSE	5	bcpq	988·2	-3	44	+6	W	6	W	cinq	7	2	48	38	oinr	cmpq	cinq	0·6
	Blacksod Point	996·9	46	W	6	opg	992·6	-4	43	-5	WNW	7	-	ompq	5	4	51	40	omd	cpq	op.cpq	*
	Valencia (Cahirciveen)	1005·0	51	W	5	c	1001·6	-2	48	-1	WNW	6	NW	cpq	6	3	53	45	or.cd	c.op	c.cpq	1·7
	Roche's Point	1002·7	50	W	3	c	1000·3	*	45	-2	W	2	W	c	2	0·4	55	45	or.o.c	cpqq	bc.o.c	*
	Birr Castle	999·2	44	WSW	2	r	995·9	*	42	-2	W	2	-	o	*	2	53	39	or	or	o	0·0
	Donaghadee	993·9	47	W	4	cm	989·0	-4	40	+1	WSW	5	W	cinpq	4	3	49	37	ofdq	omp	omp.bc	*
	Liverpool (Bidston)	995·6	44	SW	4	o	992·6	-1	41	-2	WSW	6	W	r	5	10	50	41	op	or	rbq	0·0
	Holyhead	996·0	51	W	5	ogq	993·1	-2	45	+1	W	6	NW	cq	5	10	51	42	o.oinr	ord.op	bc.o.c	0·0
	Pembroke (St. Ann's)	1000·7	52	W	4	c	998·4	0	47	+6	WNW	4	NW	cpq	5	8	52	41	or.opq	opq.c	o.c.cpq	0·0
	Hartland Quay	1002·5	53	WSW	5	odmq	1000·0	-2	49	+1	W	4	W	opq	4	6	54	46	odmq	or.odm	op.opq	*
	Scilly (St. Mary's)	1006·1	52	WNW	6	cp	1000·6	-2	49	+2	WNW	6	W	cpq	6	3	52	45	oinw	oinr.c	c.o.cpq	0·0
	Falmouth	1004·5	52	W	5	o	1002·1	-1	46	+3	WNW	3	-	c	*	6	52	42	o.odq	odq.cq	o.c.bcp	0·0
	Jersey (St. Aubin)	1009·2	50	SW	4	o|>	1002·8	*	51	+6	W	6	-	opq	4	4	54	45	c.op.r	op	orq.p	0·0
	Portland Bill	1002·6	52	WSW	7	or	998·4	-1	50	+4	WNW	6	W	bcq	5	3	52	45	cr	orq	crq	*
	Dungeness	1005·6	49	SW	6	rq	997·4	0	48	+11	WSW	5	W	b	4	8	52	37	bc.c	crq	cgr.c	*
	Dover	*	*	*	*	*											*	*				
	Wick	988·3	44	S	4	omp	982·0	0	35	-7	SW	2	-	bc	3	0·4	44	35	cmp	c.omp	omp.bc	*
	Nairn	988·2	39	-	0	cg	982·4	*	33	-4	-	0	-	bc	1	1	43	33	c.bc	bc.cq	cd.bcx	1·3
	Aberdeen	991·3	42	SSW	3	omp	983·7	-1	36	-3	SW	2	-	bz	2	1	44	36	c.o	o.bc or	op.c.bz	0·5
	Leith	990·5	44	SW	1	o	986·0	-1	41	+2	W	2	W	b	2	1	44	38	c.bc.o.c	cd.o.cd	o.c.bc b	*
	Tynemouth	994·0	43	SW	3	om	987·1	-2	40	+3	W	2	NW	cm	3	1	46	37	cm	oinr	cm	*
	Spurn Head	998·8	42	SSW	4	omr	990·8	0	43	+3	WSW	3	-	cq	4	3	45	39	om	omq	or	0·0
	Yarmouth (Gorleston)	1003·6	42	W	3	bc	994·7	-1	44	+8	WNW	4	-	bc	4	2	49	35	b.o	o.bcm	oinr.bc	1·9
	Clacton-on-Sea	1004·6	44	SW	3	o	995·7	0	46	+9	W	3	W	bc	3	2	49	36	bc.oin	omgp	ogr.bc	1·2
	Nottingham	997·9	44	WSW	3	o	993·1	*	42	+4	WSW	3	SW	c	*	1	45	38	c.op	od	dm	0·0
	Benson (Oxon.)	1001·0	47	SSW	3	r	996·3	0	42	+8	SW	3	-	bc	*	3	50	33	od	or	or	*
	Sth Farnborough	1003·3	48	SW	4	r	997·9	0	44	+9	WSW	3	W	o	*	4	51	35	b.or	or	rd.o.b.o	0·7
	Salisbury Plain	1002·0	48	SW	5	orq	997·9	-3	48	+12	W	4	-	o	*	2	50	35	or	orq	orq	*
	London (Kew Obsy.)	1002·5	47	S	3	or	996·7	-1	44	+8	SW	3	W	bc	*	4	51	36	bmx.cd	od.o.or	or.o.b.bc	0·3
NORTHERN EUROPE.	Spitsbergen	1015·6	0	-	0	o	1018·4	+2	3	+3	-	0	*	o	*	*	3	-2				
	Vardö	1015·1	30	NW	3	o	1013·1	0	32	+2	S	6	-	o	3	*	32	28				
	Bodö	1006·4	34	E	4	b	996·7	0	36	+4	E	4	-	bc	2	-	34	30				
	Christiansund	996·8	37	-	0	b	992·6	-2	37	0	-	0	-	b	3	-	41	32				
	Skudesnaes	995·5	43	E	2	c	988·3	-6	41	-4	ESE	5	-	c	4	-	45	41				
	Færder (Xtiania Fjord)	996·3	39	-	0	o	995·1	-1	41	+2	E	1	-	c	1	6	41	39				
	The Scaw (Skagen)	999·0	43	SW	3	bc	996·0	-1	41	0	SSW	3	-	o	3	1	45	36				
	Blaavands Huk	998·8	41	NW	1	c	991·2	-2	43	0	S	6	-	r	*	7	43	39				
	Copenhagen	1003·6	43	SW	4	bc	999·3	-2	41	-4	SW	4	-	m	*	Trace	43	41				
	Bornholm	1003·8	43	SW	5	m	1001·9	+1	39	+6	SW	7	-	c	1	1	48	39				
FRANCE, &c.	The Helder	1003·8	46	SW	4	c	991·8	-5	48	+3	WSW	4	-	c	3	9	46	43				
	C. Gris Nez												*									
	La Hève							*					*									
	Brest (St. Mathieu)	1010·3	52	WSW	5	f	1007·1	-2	49	+1	WNW	5	*	o	4	2	52	48				
	Rochefort (Ile d'Aix)	1017·5	48	SW	4	r	1009·6	0	55	+7	WNW	5	*	o	*	5	57	46				
	Biarritz	1020·8	54	SSW	3	o	1015·0	-2	55	+1	SW	5	*	o	5	5	57	52				
	Paris	1013·5	43	SSW	2	c	1003·2	-2	48	+14	WSW	2	W	c	*	4	52	34				
	Belfort	1018·2	37	W	2	bc	1011·1	*	36	+2	-	0	*	o	*	?5	46	33				
	Lyons	1018·6	37	N	2	b	1013·4	*	37	+1	SSW	1	*	o	*	-	45	34				
	Nice	1007·0	43	-	0	b	1007·9	+1	42	-4	E	2	*	b	2	-	55	37				
	Perpignan	1018·2	50	NW	3	o	1013·4	-3	52	+6	S	2	-	bc	*	1	57	46				
	Sanguinaire	1006·3	53	NW	5	o	1008·4	*	51		NW	3	*	c	6	2	61	50				
SOUTHERN STATIONS.	Corunna	1025·2	55	SW	1	o	1021·1	0	59	+7	WSW	4	-	o	4	6	59	52				
	Madrid	1020·2	55	-	0	b	1023·6	+1	37	-4	-	0	-	b	*	-	57	36				
	Lisbon	1022·8	55	NW	4	b	1023·3	+1	54	0	NNW	2	-	bc	5	-	61	52				
	Azores (Horta)	1030·2	*	E	4	o	1030·0	0	57	-2	NNE	1	*	b	1	-	66	59				
	Madeira	1023·9	66	ENE	5	o	1025·2	0	61	-3	NE	4	NE	r	4	?	68	61				
	Gibraltar	1020·6	62	NE	4	b	1021·0	*	53	0	W	3	*	m	3	-	69	52				
	Malta	*	*	*	*	*	1015·2	-3	63	0	NW	3	-	bc	2	Trace	72	61				
	Limassol	*	*	*	*	*	1019·6	+1	64	-4	-	0	-	bc	0	-	80	54				
	Alexandria	1020·0	68	NE	2	b	1019·4	0	70	-3	-	0	-	b	0	-	79	63				
	Cairo (Helwan)	1017·5	70	NE	4	b	1017·4	+1	72	+4	E	3	-	b	*	-	80	66				

LONDON 9TH NOVEMBER 9h. G.M.T.	Humidity. 15 h. 8TH.	Humidity. 9 h. 9TH.	Sunshine for 8TH.	24 Hours ended 9 h. 9TH. Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	88	83	0·4	51	38	37	4	o	o.cr	cr.o.c
CITY (Bunhill Row)	*	*	0·1	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	84	80	0·2	52	39	37	4	or	od	cr.cd
CAMDEN SQ. (British Rainfall)	86	82	0·0	51	40	39	5	o	o.or	*
HAMPSTEAD (Reservoir)	*	81	0·3	49	41	32	5	c.orm	orm	or.bc
S. KENSINGTON (Museum Grounds)	*	82	0·2	52	41	39	3	bx.b.od	od.or	or.c

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 8TH.

Total.	Average Rate.	Max. Rate.
Joules	Milliwatts.	Milliwatts.
260	7·7	31·5

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

BEAUFORT NOTATION.

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

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 Meteorological Office.

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,442. SATURDAY, 10TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

Moderate temperatures prevailed, the maximum being between 40° and 50°. Rainfall was very evenly distributed over the country, the total being nowhere large. Fairly good sunshine records were obtained locally, 7 hours at Deerness, and about 6 hours at Banff, Felixstowe, Margate and Paignton.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 9TH NOVEMBER

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 9TH
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	-	-	46	30	b	b	5·9
	Montrose	!	-	43	30	o	bc	1·2
	St. Andrews	*	*	47	34	o	q	2·9
Eng. N.E.	Harrogate	2	2	44	38	bc.q	o.q	2·1
	Skegness	2	-	47	40	bc	bc	3·9
England, E.	Felixstowe	3	-	50	42	bc	bc	5·8
	Walton-on-Naze							
	Southend-on-Sea	3	-	51	39	o.c	c.bc.b	4·5
England, S.E.	Margate	5	-	52	37	bc	c.b	5·8
	Hastings	8	-	52	42	o.r.c	bc.b	2·4
	Eastbourne	18	-	51	45	bc.o	bc.oq	1·8
	Seaford	*	*	52	46	c	bc	1·6
	Brighton							
	Worthing	4	-	50	44	o	bc	2·5
	Littlehampton							
	Bognor	*	*					
	Bournemouth	-	-	50	42	c	c	3·0
Scld W.	Oban	1	3	49	39	o.c.	r.o	
Eng., N.W.	Morecambe					*	*	
	Southport	4	6	47	41	bc.c.or	r.o	0·4
Midlands.	Ross-on-Wye	1	-	50	42	bcp	bc	4·8
	Malvern	2	1	48	42	bcp	bcp	1·0
Wales.	Rhyl	2	2	48	42	r.q	or	0·0
	Colwyn Bay	1	2	47	41	qp	qp	0·9
	Llandudno	*	*	50	42	op	op	0·2
	Aberystwyth	*	*	49	43	r.o.c	c.o	0·8
England, S.W.	Weymouth	*	*	50	45	bcp.c	bc.p.c	2·1
	Torquay	1	Trace	50	45	bcp	b	5·7
	Paignton	*	*	52	42	bc	o	5·8
	Penzance	!	1	52	48	bc.p.r	bcp.r.o	4·0
	Newquay	4	2	50	45	cp.bq	p.bp	3·5
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 9TH NOVEMBER

	STATIONS.	Evening of 8TH: Barom. Millibars at M.S.L.	Evening of 8TH: Temp.	Evening of 8TH: Wind Direc.	Evening of 8TH: Wind Force 0–12.	Evening of 8TH: Weather.	Morning of 9TH: Barometer. Millibars at M.S.L.	Morning of 9TH: Barometer. Change in 3 hours.	Morning of 9TH: Temp. Dry Bulb.	Morning of 9TH: Temp. Change in 24 hours.	Morning of 9TH: Wind. Direc.	Morning of 9TH: Wind. Force 0–12.	Morning of 9TH: Weather.	Morning of 9TH: Rainfall. Millimetres.	Morning of 9TH: Temp. Max.	Morning of 9TH: Temp. Min.
			°F.					±	°F.	°F.					F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1019·5	45	SSW	4	0									*	
	Gorki						1018·4	*	36		SE	1	0	-	*	34
	Velieki Luki							*							*	
	Hangö						1004·7		43	0	SSE	5	r	8	*	41
	Petrograd	1017·7	37	SSE	3	0	1014·3		37	0	SE	4	0	-	39	36
	Moscow	1019·5	48	NE	1	0									*	
	Kiev														*	
	Kharkov														*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Yuriev	1014·7	37	SSE	5	0									*	
Mediterranean.	Venice	1006·2	42	NE	2	r	1005·5	*	46	-2	NNE	1	0	10	48	46
	Turin	1007·9	44	-	0	b	1008·5	*	36	-9	-	0	b	-	46	36
	Pesaro	1004·2	52	SE	1	r	1002·9	*	48	-6	-	0	0	17	57	45
	Leghorn	1006·1	50	-	0	bc	1006·2	*	44	-15	-	0	b	4	59	44
	Rome	1006·0	50	SW	2	r	1007·1	*	46	-6	N	1	0	?	59	45
	Viesti	1007·4	59	SSE	2	bc	1005·4	*	55	-4	SSE	2	bc	-	59	54
	Brindisi	1008·1	59	ESE	2	0	1010·7	*	61	+4	ESE	1	bc	-	61	56
	Cagliari	1010·6	61	W	5	0	1010·7	*	52	-2	W	6	0	-	64	48
	Palermo	1012·1	61	E	2	b	1012·7	*	59	+5	ENE	1	0	4	72	52
	Tripoli						1018·3	*	63	-1	-	0	c	-	?	55
	Algiers	1018·4	59	NW	2	r	1019·0		59	-2	WSW	3	0	18	68	57
Sweden	Hernösand	1000·4	43	S	2	r	1000·3	*	37	+1	-	0	c	*	*	*
	Stockholm	1002·8	45	S	2	r	1000·6	*	37	-8	SE	2	c	*	*	*
	Wisby	1005·0	43	S	2	0	1002·6	*	39	-7	S	2	bc	*	*	*

ICELAND.	Morning of 9TH: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	1001·9	30	-4	N	8	S
Reykjavik	994·8	30	0	E	1	c
Vestmanna	992·4	34	-2	NW	7	b
Seydisfjord	995·2	32	+7	NE	2	S
Thorshavn	978·1	43	+7	SE	5	r

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

10TH AND 11TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·6 / 7·8	11·37 / 11·37	4·8 / 4·6
Greenwich	7·11 / 7·12	11·44 / 11·44	4·17 / 4·16
Wick	7·51 / 7·53	11·56 / 11·56	4·1 / 3·59
Valencia	7·53 / 7·55	12·25 / 12·25	4·57 / 4·55

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± The barometric change is expressed in half-millibars.

THE MORNING OF SATURDAY, 10TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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.

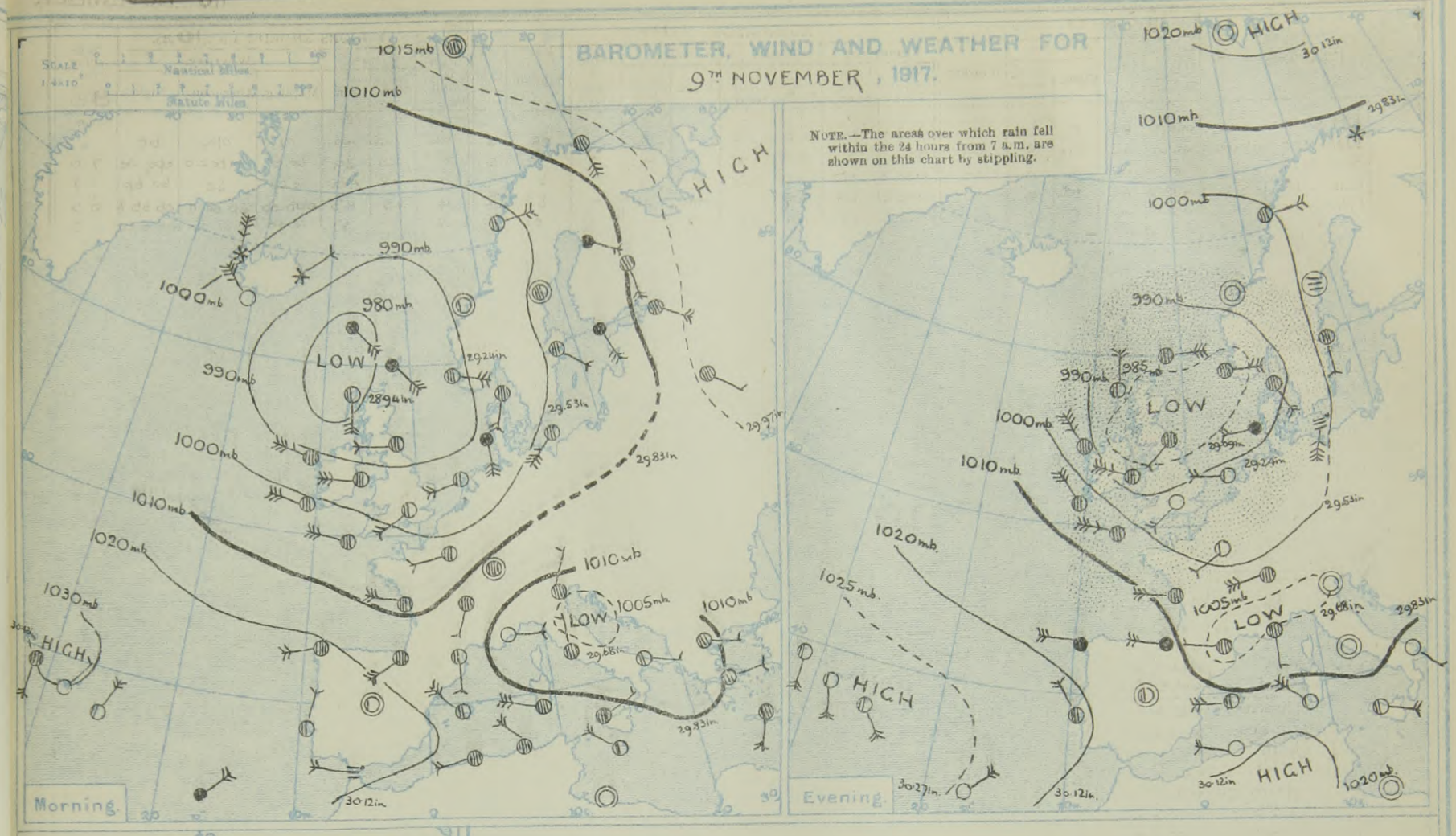
WEATHER.—Shown by the following symbols :—
◯ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded.
◍ sky ¾ clouded. ● overcast sky. ⦿ rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. T, thunder.
⚡, thunderstorm.

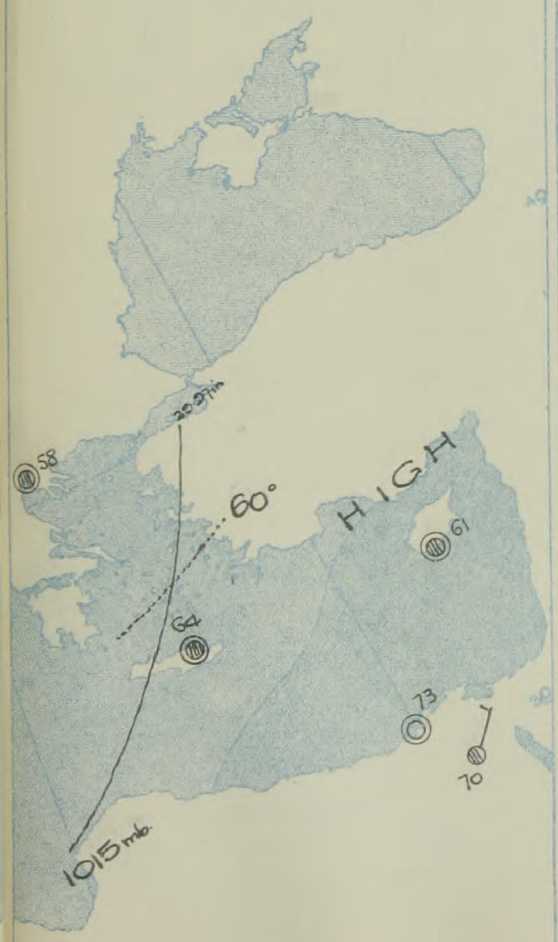
SEA DISTURBANCE.—Rough ~~~. High ~~~.

HIGH
1025mb
1020mb
1015mb
1010mb
1005mb
1000mb
995mb
990mb
1025mb
1020mb
1015mb
1010mb
1005mb
LOW
Barometer rising generally
Barometer falling
30·27in
30·12in
29·97in
29·82in
29·67in
29·53in
29·38in
29·23in
40°
50°
60°

Scale 1 : 2 x 10⁷
Nautical Miles
Statute Miles

Normal Temperature of the Sea
Below 50° | 50°-60° | 60°-70° | Above 70°
Scale of Tints for NOVEMBER.





The Present Situation

The depression that was off the Hebrides yesterday morning is now centred over the extreme southern part of the North Sea. Over Southern Scandinavia, Denmark and Holland, there is only a light breeze from between SE. and S., but over the British Isles there is a NW. to N. breeze, which is strong generally and is blowing with gale force on our western coasts and in the English Channel. The weather is cloudy, with passing showers in most districts, and is dull or rainy in the neighbourhood of the Straits of Dover. Strong Westerly winds and unsettled weather extend as far south as Lisbon.

The General Outlook

Strong Northerly winds, with fair to showery weather, are likely over the whole of the British Isles. The gale will probably continue for the greater part of the day in the West of Channel, the weather improving gradually in most districts.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 314. 10TH NOVEMBER.

	STATIONS.	EVENING OF ... 9th .. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	MORNING OF ... 10th ... 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.	24 HOURS ENDED 7 A.M. ... 10th. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 9th.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	986·8	45	E	6	o	993·6	+2	42	-2	N	3	–	bc	3	4	45	40	rq	opq	bc	*
	Deerness (Orkney)	984·1	45	ENE	3	oru	996·9	*	43	+4	N	4	–	bc	3	1	45	39	bc.b	c.bc.o	cpq.bc	7·0
	Stornoway ...	986·2	42	N	4	bc	1000·8	+7	40	-3	NE	3	–	b	3	7	48	40	bc.cp	bc	bc.bp	1·7
	Castlebay (Barra Isd.)	988·0	46	NNW	3	o	1002·0	+5	47		NNE	2	–	b	3	4	48	43	oph.op	op.bc.o	op.bp.b	0·2
	Glasgow ...	981·5	42	E	1	omd	997·5	+7	42	+3	N	1	–	c	*	2	44	37	cmp	cmp op	op.b.bc	1·3
	Eskdalemuir ...	982·0	37	–	0	od	995·1	+7	39	+4	N	4	N	bcv	*	7	41	33	omr	omr	od.b.bc	0·1
	Malin Head ...	983·7	43	W	8	omq	998·7	+6	47	+3	N	6	N	bcq	6	6	47	40	bcq ph	omrq	bcpq	1·6
	Blacksod Point	996·3	44	NW	8	ompq	1005·8	+6	44	+1	NW	8	–	omrq	7	2	48	40	cmpq	cmpq	op bcp	*
	Valencia (Cahirciveen)	1005·3	46	NW	6	c	1010·3	+4	46	-2	NNW	5	N	bc	4	3	50	43	cphq	bc.chq	bcpq	3·0
	Roche's Point	1000·3	47	NW	4	bc	1005·7	*	43	-2	NW	5	NW	b	4	1	50	43	bcpq	bcpq	bc.b	*
	Birr Castle ...	995·9	45	WNW	4	c	1004·7	*	42	0	NW	2	–	c	*	1	49	40	cpq	cpqv	c	0·1
	Donaghadee ...	983·5	46	WNW	5	cmpq	997·8	+6	47	+7	NW	5	NW	bcmq	5	8	49	40	cmpq	cmpq	bcmpq	*
	Liverpool (Bidston)	986·4	45	WSW	7	o	994·6	+5	44	+3	WNW	5	W	oq	5	4	48	41	bp.c.o	or	opq	1·2
	Holyhead ...	987·6	49	WNW	8	cgq	996·6	+4	48	+3	NNW	9	N	cpq	8	1	49	45	c.op.c	cpq	cpq	0·3
	Pembroke (St. Ann's)	995·3	49	WNW	6	cq	999·1	+3	46	-1	NW	6	N	cq	5	0·4	49	40	cpq.cq	cpq	cpq.cq	1·2
	Hartland Quay	998·0	50	W	5	o	999·7	+1	50	+1	NNW	7	–	opq	5	3	52	45	opq	opq	opq	*
	Scilly (St. Mary's)	1002·8	50	WNW	8	cq	1004·7	+1	47	-2	NW	8	NW	cpq	7	2	50	45	cp.bcq	bq.cq	cq.cpq	3·3
	Falmouth ...	1000·9	48	W	7	opq	1001·8	+2	46	0	NW	7	–	oq	*	5	51	44	cp.chp	bc.cpq	opq	4·4
	Jersey (St. Aubin)	999·7	49	WNW	5	cpq	998·2	*	49	-2	WNW	6	W	cpq	4	5	54	45	bcpq	bcpq	cpq.gp	2·5
	Portland Bill ...	996·0	49	WNW	6	bc	994·5	+3	48	-2	NW	6	NW	c	5	–	51	46	bc.c	bc	bc.cq	*
	Dungeness ...	994·6	49	WSW	5	b	989·3	0	43	-3	W	4	W	bc	4	–	52	43	bc	bc	bc	*
	Dover	*	*	*	*	*													*	*		
	Wick	984·0	40	NNW	2	o	997·5	+6	41	+6	N	4	–	bc	5	2	46	35	bc	b.om	em.bcp	*
	Nairn	984·0	42	E	1	cg	998·6	*	41	+7	N	2	–	bcg	2	5	44	33	c.bc	bc.cg	cpq	2·4
	Aberdeen ...	982·7	40	NNW	2	b	995·2	+8	41	+5	NNW	4	–	b	2	2	45	34	bz.b	b	b.or.b	6·8
	Leith	981·4	41	SW	1	b	995·3	+3	43	+2	NW	2	NW	c	3	1	46	38	bcp bc	b	bc.dp.c	*
	Tynemouth ...	982·7	44	SW	2	omp	991·2	+5	45	+5	NNE	6	–	omrq	5	4	45	38	om	omp	omrq	*
	Spurn Head ...	986·5	45	WSW	4	cq	988·9	+5	42	-1	NW	5	–	cq	5	5	46	40	bcq	o.cpq	cpq	2·9
	Yarmouth (Gorleston)	991·3	43	W	3	b	986·6	+2	42	-2	NNW	3	–	omp	2	3	48	40	bc	bcp.b	bc.op	5·5
	Clacton-on-Sea	992·2	43	SW	2	bc	988·5	+3	42	-4	WNW	4	NW	o	3	3	49	42	bc.c	bc	bc.org	4·6
	Nottingham ...	987·6	45	WSW	4	r	991·3	*	41	-1	WNW	2	NW	c	*	4	50	39	c	c.op	od.c	4·5
	Benson (Oxon.) ...	992·3	43	W	3	bc	992·0	+5	42	0	WNW	3	–	o	*	3	49	33	bc	bc	or	*
	Sth Farnborough	994·4	42	WSW	4	b	992·5	+4	45	+1	WNW	5	–	c	*	1	50	41	o.bc	c.b	bp.rd.cr	4·1
	Salisbury Plain	994·3	42	W	5	c	994·2	+3	42	-6	WNW	4	–	o	*	4	48	41		b.opq	oq	*
	London (Kew Obsy.)	992·9	44	SW	3	b	991·8	+7	43	-1	WNW	3	–	b	*	2	50	42	bc.c bcq	c.b	b.or.bc.b	4·7
NORTHERN EUROPE.	Spitsbergen ...	1023·1	-6	–	0	b	1026·3	+1	-19	-22	SSE	1	*	b	*	*	3	-19				
	Vardö	1008·8	32	–	0	s	1005·2	0	36	+4	N	5	–	r	3	*	36	27				
	Bodö	999·0	36	E	4	c	1000·6	+1	36	0	E	2	–	bc	2	–	37	32				
	Christiansund ...	991·4	36	–	0	b	994·2	+2	36	-1	–	0	–	c	3	–	41	32				
	Skudesnaes ...	984·0	45	E	5	o	991·6	+5	43	+2	E	2	–	o	2	3	45	39				
	Færder (X'tiania Fjord)	990·3	39	E	6	r	994·0	+3	45	+4	SSE	4	–	c	2	12	41	37				
	The Scaw (Skagen)	988·0	45	SSE	4	o	993·1	+4	43	+2	S	2	–	c	2	4	45	39				
	Blaavands Huk	988·3	45	WSW	3	r	991·2	+2	41	-2	SE	2	–	f	*	5	46	36				
	Copenhagen ...	993·8	43	SW	4	o	995·8	+2	43	+2	S	2	–	m	*	3	47	39				
	Bornholm ...	986·7	43	SSW	8	m	997·1	+1	41	+2	SE	2	–	o	o	Trace	43	39				
FRANCE, &c.	The Helder ...	990·7	46	W	3	b	987·8	+2	44	-7	SSE	3	–	o	2	3	48	41				
	C. Gris Nez ...	993·9	46	W	6	b	988·2	0	46	–	W	7	*	o	6	?	52	46				
	La Hêve	997·9	46	W	7	r	994·6	*	47	–	NW	8	*	o	8	5	50	46				
	Brest (St. Mathieu)	1004·8	46	NW	6	c	1002·3	+1	48	-1	NW	7	*	o	4	1	54	46				
	Rochefort (Ile d'Aix)	1005·9	55	WNW	3	o	1005·2	-1	51	-4	WNW	7	*	c	*	6	57	48				
	Biarritz	1011·6	67	W	3	r	1009·5	0	55	0	W	5	*	r	6	29	61	52				
	Paris	998·8	45	SW	2	b	998·8	-1	43	-6	SW	3	–	r	*	3	54	41				
	Belfort	1004·6	43	WSW	6	o	1001·4	*	37	+1	WSW	4	*	c	*	7	46	36				
	Lyons	1006·6	45	–	0	o	1004·6	*	44	+7	NW	1	*	o	*	3	48	37				
	Nice	1003·5	49	S	1	o	1006·2	-2	46	+4	SW	2	*	b	2	–	55	41				
	Perpignan ...	1002·0	55	W	1	o	1006·7	+2	52	0	W	2	NW	c	*	Trace	64	52				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS	Corunna	1018·2	59	W	3	r	1017·9	-1	57	-2	W	3	–	o	4	8	61	54				
	Madrid	1015·6	59	–	0	bc	1011·5	-1	57	+20	NNE	5	s	f	*	–	59	54				
	Lisbon	1023·8	59	NW	3	c	1022·3	+1	61	+7	WNW	4	–	r	5	–	64	54				
	Azores (Horta) ...	1029·5	*	SSE	4	b	1029·8	0	61	+4	–	0	*	b	1	–	68	57				
	Madeira	1024·7	64	NE	4	o	1025·6	+1	64	+3	NE	3	NE	o	3	–	70	61				
	Gibraltar							*					*									
	Malta	*	*	*	*	*																
	Limassol	*	*	*	*	*	1019·6	-1	61	-3	–	0	–	c	0	–	79	59				
	Alexandria ...	1019·4	70	N	1	b	1017·5	0	73	+3	–	0	–	b	0	–	82	64				
	Cairo (Helwan) ...	1018·2	72	N	1	b	1015·1	+1	70	-2	ENE	1	s	c	*	–	86	64				

GALES.

Duration and Extreme Force in British Isles.

MALIN HEAD
W 8 at 18h: WNW 8, early night (9th)

BLACKSOD POINT
Squalls force 9, morning (9th)
Gale: NW 8 13h (9th) - 7h (10th)?

CAHIRCIVEEN
Gust 22 m/s, night (9th)

LIVERPOOL
Gale: W 8, 21-23h (9th)

HOLYHEAD
Gale: W-WNW 8 12h (9th) - 7h (10th)
Extremes: Gusts 22 m/s, morn^g
NNW 9 at 21h (9th)
NW 9 at 1h (10th)
NNW 9 at 7h (10th)

PEMBROKE
Squalls, NW 8, night (9th)

HARTLAND QUAY
Gusts force 8 between 20h (9th) and 7h (10th)

SCILLY
Gale: WNW - NW 8 15h (9th) - 7h (10th)
Extremes
Gust 25 m/s, morning (9th)

LONDON 10TH NOVEMBER, 9h. G.M.T.	Humidity. 15 h. 9th	Humidity. 9 h. 10th	Sunshine for 9th.	24 Hours ended 9 h. ... 10th. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	66	80	6·0	51	41	34	1	c	c.opp	o.or
CITY (Bunhill Row) ..	*	*	3·4	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	68	78	5·2	51	41	34	1	bc	bc	r.b
CAMDEN SQ. (British Rainfall) ..	68	79	3·6	52	41	37	1	o.c	c	*
HAMPSTEAD (Reservoir)	*	81	0·3	49	41	32	5	c.omr	omr	or.bc
S. KENSINGTON (Museum Grounds)	*	81	4·7	52	41	36	1	bc.c	c	c.od or.c

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ..9th...

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
420	12·7	32·5

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

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 Meteorological Office.

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,443. SUNDAY, 11TH NOVEMBER .1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

Cold prevailed over the country generally, the afternoon temperature remaining below 50° at most stations. Showers were experienced nearly everywhere, no large rainfall being measured. Bright sunshine was very variable, from none at Birr Castle and Nottingham to 6 ½ hours at Oban and Skegness. A North-West gale was felt at Scilly, a strong gale at Blacksod.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 10TH NOVEMBER.

	STATIONS.	Rainfall Night. 18h-9h.	Rainfall Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	4	4	46	31	bcpr rh	cpr h	2·1
	Montrose	-	-	46	40	b	bc	0·8
	St. Andrews							
Eng. N.E.	Harrogate	2	Trace	45	37	c. opr	cpr. bc. b	0·9
	Skegness	*	*	48	38	bc	bc	6·5
England, E.	Felixstowe	3	·1	47	41	bcp	bcpr	2·1
	Walton-on-Naze							
	Southend-on-Sea	2	-	45	42	bc	bc. b	3·1
England, S.E.	Margate	4	-	48	40	c. bc	c	2·0
	Hastings							
	Eastbourne	1	-	49	43	bcq	bc	2·8
	Seaford	*	*	53	44	b	o	2·8
	Brighton							
	Worthing	-	-	48	43	bc. c	o	3·3
	Littlehampton							
	Bognor	*	*					
	Bournemouth	-	-	51	44	bc	b. o	5·8
Scotland W.	Oban	-	-	50	37	b	b	6·5
Eng. N.W.	Morecambe	2	-	48	41	c. bc	bc. b	5·4
	Southport							
Midlands.	Ross-on-Wye	Trace	-	51	40	bcpr	b. bc	4·3
Wales.	Rhyl							
	Colwyn Bay							
	Llandudno	*	*	50	45	c	c. b	3·0
	Aberystwyth	*	*	48	43	r. o. c	bc. o	4·0
England, S.W.	Weymouth	*	*					
	Torquay	1	-	51	45	b	b	6·3
	Paignton	*	*	52	44	bc	bc	5·9
	Penzance	Trace	3	50	47	or	c. bc	2·3
	Newquay							
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 10TH NOVEMBER.

	STATIONS.	Evening of 9TH: Barom. Millibars at M.S.L.	Evening of 9TH: Temp.	Evening of 9TH: Wind Direc.	Evening of 9TH: Wind Force 0–12.	Evening of 9TH: Weather.	Morning of 10TH: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel							*							*	
	Gorki							*							*	
	Velieki Luki							*							*	
	Hangö														*	
	Petrograd															
	Moscow														*	
	Kiev														*	
	Kharkov														*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1005·0	?	-	0	b	10 01·0	*	46	0	ENE	1	r	52	52	45
	Turin	1004·3	41	-	0	b	1001·9	*	41	+5	-	0	0	50	50	36
	Pesaro	1006·3	46	-	0	b	1001·5	*	50	+2	-	0	0	9	55	45
	Leghorn	1006·5	55	-	0	bc	1005·1	*	57	+13	NNW	3	0	10	59	?44
	Rome	1009·1	46	-	0	b	1005·4	*	52	+6	SE	1	0	11	52	46
	Viesti	1008·2	52	S	1	b	1007·5	*	55	0	SE	1	0	-	59	52
	Brindisi	1012·1	61	SE	1	b	1009·4	*	50	−11	NNW	1	bc	-	63	50
	Cagliari	1010·6	59	NW	5	b	1006·7	*	54	+2	WNW	4	r	-	63	48
	Palermo	1013·3	59	ESE	3	bc	1010·6	*	59	0	ENE	1	0	-	64	55
	Tripoli	1017·1	61	-	0	b	1014·6	*	61	−2	-	0	bc	-	*	57
	Algiers															
Sweden	Hernösand	1000·2	37	-	0	f	1002·2	*	39	+2	SE	2	b	*	*	*
	Stockholm	1000·4	39	S	2	c	1001·2	*	41	+4	SE	2	0	*	*	*
	Wisby	1001·1	39	WNW	2	b	1001·2	*	41	+2	S	2	b	*	*	*

ICELAND.	Morning of 10TH: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	1020·2	21	-9	N	7	0
Reykjavik	1014·8	28	-2	NNE	4	b
Vestmanna	1013·4	28	-6	-	0	b
Seydisfjord	1011·9	34	+2	-	0	s
Thorshavn	1001·5	40	-3	N	3	0

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

11TH AND 12TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·8 / 7·10	11·37 / 11·37	4·6 / 4·4
Greenwich	7·12 / 7·14	11·44 / 11·44	4·16 / 4·14
Wick	7·53 / 7·55	11·56 / 11·56	3·59 / 3·57
Valencia	7·55 / 7·57	12·25 / 12·25	4·55 / 4·53

Printed at the Meteorological Office, South Kensington, London, S.W. 7.
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‡ The barometric change is expressed in half-millibars.

THE MORNING OF SUNDAY, 11TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE

FORECAST 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.

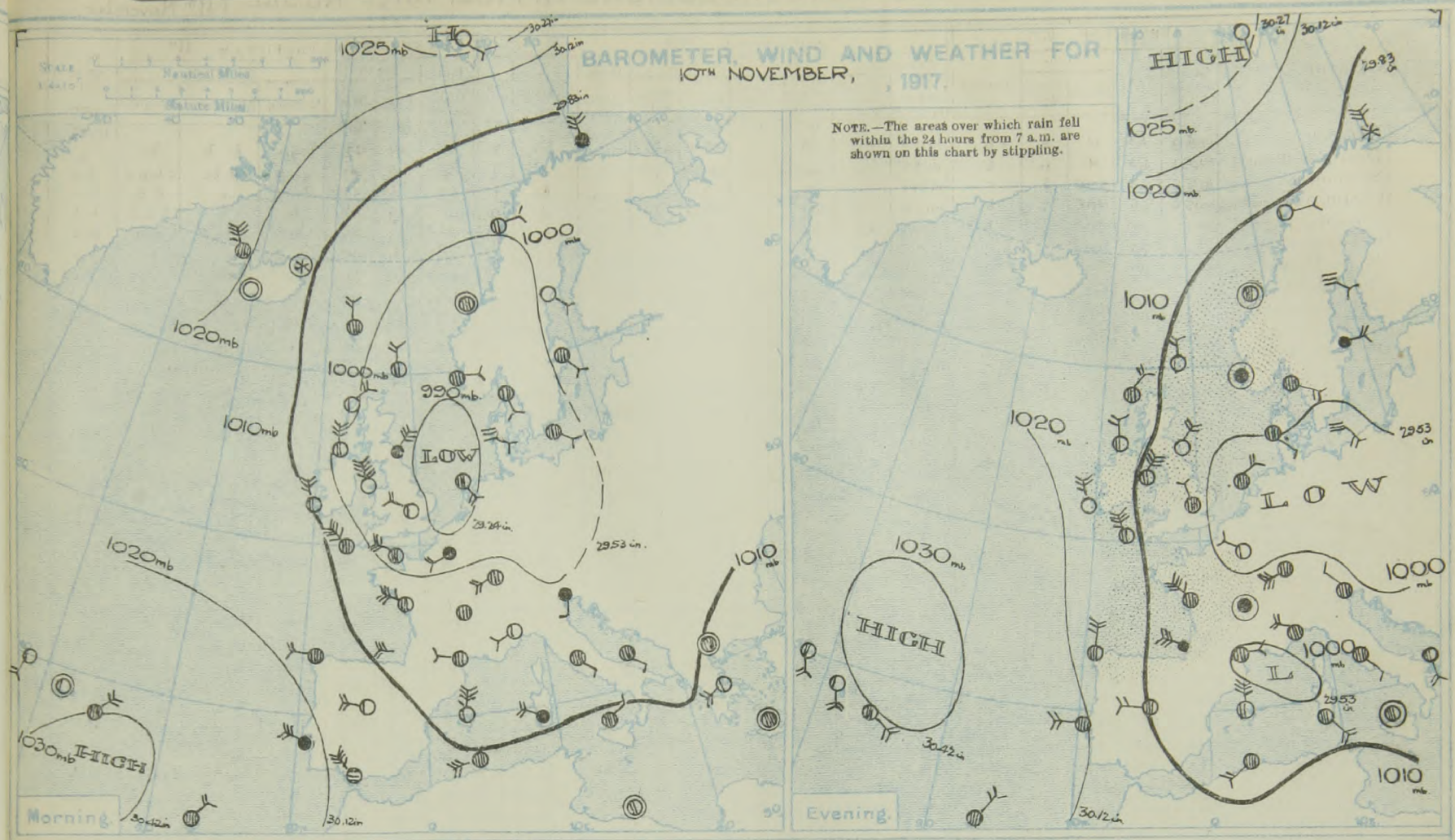
WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded, ◕ sky ¾ clouded. ● overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder. ⊤✕, thunderstorm.

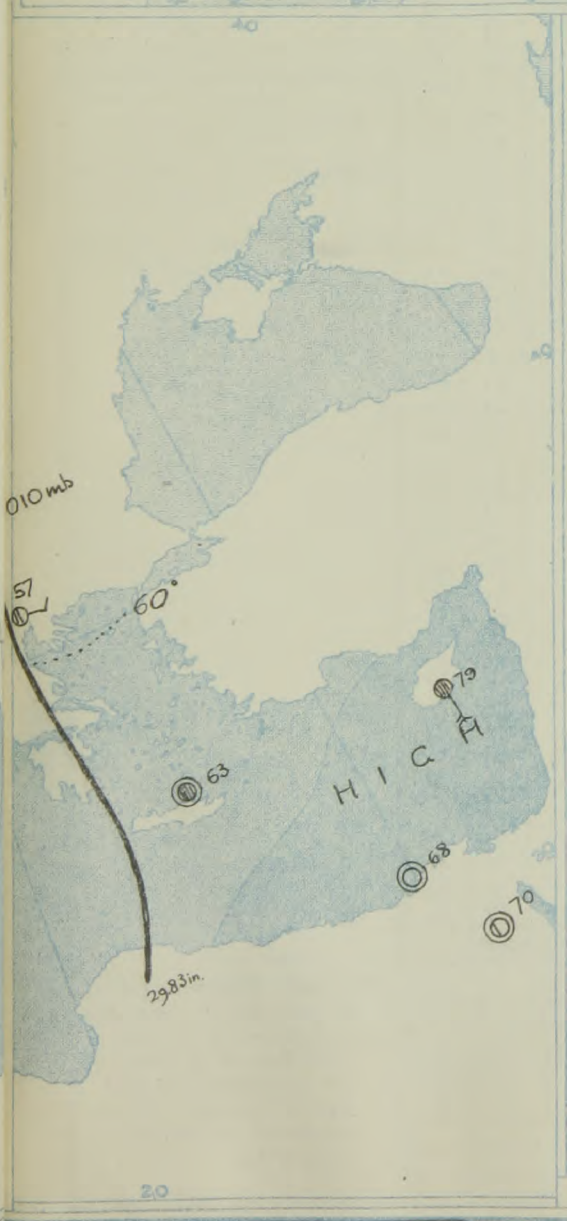
SEA DISTURBANCE.—Rough ∿∿. High ∿∿.

HIGH 1020mb. 30·12in. 1015mb. 1010mb. 29·97in. LOW 1010mb. 29·83in. 1005mb. 1000mb. LOW 29·53in. 29·68in. Barometer rising generally. Bar. inclined fall. 1015mb. 1020mb. 1025mb. 3027in. 3012in. 2997in. 2983in. LOW 995mb 29·24in. 1005mb 1000mb 29·53in. 29·68in. HIGH 1030mb. 30·42in.

Scale 1 : 2 x 10⁶
Nautical Miles
Statute Miles

Normal Temperature of the Sea.
Below 50° 50°-60° 60°-70° Above 70°
Scale of Tints for NOVEMBER.





The Present Situation

The Azores anticyclone extends north-eastward across the British Isles, and another anticyclone lies over Spitzbergen, while depressions are found off the south-west of Iceland, on the Gulf of Finland and over Sardinia. The barometer has fallen considerably in the Iceland region, and it now exhibits a slight downward tendency on our own north-western coasts, but elsewhere it is rising. A Northerly wind current prevails over the Western half of Europe, light in force in most localities, but a high wind is reported on Dover Strait and at Ushant, and a gale at Palma (Balearics). A fresh East breeze is reported at some of the Iceland stations, but in other regions there is little or no wind. Cloudy to dull weather prevails extensively, with showers at a few widely scattered home and foreign stations, snow in Eastern Iceland and in the north of Lapland.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 315. Sunday, 11th November.

	STATIONS.	EVENING OF 10TH: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	MORNING OF 11TH: 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.	24 HOURS ENDED 7 A.M. 11TH: Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 10TH.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1006·9	43	N	3	b	1011·7	+1	38	−4	NW	2	-	bc	2	1	45	37	bcqp	bc.b	bc	*
	Deerness (Orkney)	1008·1	43	N	4	b	1013·5	*	40	−3	WNW	2	-	o	1	2	45	39	c.cp	cp.bc	c.bcp.o	3·0
	Stornoway ...	1012·5	43	NNE	3	c	1014·8	−1	39	−1	S	1	-	bc	1	0·4	46	35	bc.c	c	b.bc	3·1
	Castlebay (Barra Isd.)	1015·6	45	NNE	2	b	1017·0	0	47	0	WNW	2	-	d	2	1	49	46	b	b	b.o.d	6·3
	Glasgow ...	1010·5	41	NW	2	b	1017·1	+2	36	−6	S	1	-	o	*	-	47	34	c.bc.c	c.bc.b	b.bc.ox	6·4
	Eskdalemuir ...	1008·8	39	NNW	4	b	1017·3	+3	33	−6	-	0	-	bcvx	*	-	44	32	bcv.bc	bv	b.bcx	5·7
	Malin Head ...	1012·5	47	N	3	bc	1017·1	0	45	−2	SSW	2	-	og	3	0·1	49	44	bc	bc	og	5·1
	Blacksod Point	1016·1	47	NNW	5	og	1018·5	−2	45	+1	SW	3	-	odm	3	0·2	47	43	og	og	og	*
	Valencia (Cahirciveen)	1018·1	48	NNW	5	o	1022·5	+1	47	+1	WNW	3	N	o	3	0·3	50	44	bcp	c.o	o.c.p	1·0
	Roche's Point	1014·4	47	NNW	4	bc	1020·7	*	46	+3	WNW	3	-	o	2	0·2	50	43	bc	bc	bc.o	*
	Birr Castle ...	1014·4	46	NW	1	r	1020·1	*	43	+1	-	0	-	o	*	2	49	36	c.o	o.r	or.c.o	0·0
	Donaghadee ...	1009·4	47	N	5	bcq	1017·3	+2	42	−5	WSW	2	-	ogm	2	1	48	41	bcq	bcq	bcq.om	*
	Liverpool (Bidston)	1007·9	43	NW	3	b	1017·1	+3	43	−1	NW	1	NW	b	2	-	47	41	o.c.b	b	bc	5·7
	Holyhead ...	1008·8	48	NNE	6	bcq	1017·6	+3	47	−1	N	3	NW	bc	3	1	50	46	cqp	cp.c.bc	bc.b.bc	2·6
	Pembroke (St. Ann's)	1009·5	49	NNW	4	cq	1018·8	+3	46	0	N	2	N	bc	3	0·3	50	43	cq	cq.cpq	bq.b.bc	3·5
	Hartland Quay	1008·7	49	NNW	6	opq	1019·2	+5	49	−1	N	3	N	o	3	2	51	47	opq	c.b.opq	oq.bq.b	*
	Scilly (St. Mary's)	1011·9	49	NNW	7	cq	1020·4	+3	47	0	N	3	N	bc	6	1	50	46	cq	cpq	bc	0·5
	Falmouth ...	1010·0	49	NW	5	bcq	1019·0	+4	46	0	NNW	3	-	bc	*	4	50	44	bchq	bcq	bcp	4·2
	Jersey (St. Aubin)	1004·3	51	NW	4	bc	1015·7	*	47	−2	N	3	N	c	3	1	52	46	cqp	bc	qp.bc	4·0
	Portland Bill ...	1004·4	49	NNW	4	bc	1015·8	+5	43	−5	N	4	-	bc	4	-	52	41	bcq	bc	bc	*
	Dungeness ...	998·5	43	NNW	4	bc	1011·7	+5	40	−3	N	5	N	bc	3	-	49	40	bc.c	bc	bc	*
	Dover	*	*	*	*	*											*	*				
	Wick	1008·7	43	NNW	3	bc	1014·5	+2	40	−1	NW	2	-	r	2	1	46	36	bcpm	cm.bcp	bcmp.o	*
	Nairn	1010·3	42	NW	1	bcg	1015·1	*	38	−3	-	0	-	c	1	1	45	35	bcgp	bc.cg	cg	1·4
	Aberdeen	1007·7	42	NW	4	cp	1015·0	+2	40	−1	WNW	4	-	o	3	1	46	38	b.bcpq	bcp.c	bcp.c	5·1
	Leith	1009·1	43	N	3	b	1016·2	+2	37	−6	SW	1	SW	bc	2	-	47	36	c.bc.c.b	b	bbz.bc	*
	Tynemouth ...	1005·1	43	NNE	4	cqp	1015·3	+5	37	−8	NW	3	N	bcm	4	4	47	36	cqp	cq	bcqp	*
	Spurn Head ...	1001·8	46	N	4	bcq	1012·7	+3	41	−1	N	5	-	cqp	4	2	47	39	bcq	bcq	cqp	5·1
	Yarmouth (Gorleston)	999·3	46	N	6	bc	1010·7	+6	43	+1	N	2	-	bc	2	3	48	40	bcp	opm	bcqp	1·0
	Clacton-on-Sea	999·1	46	NW	4	c	1012·1	+5	40	−2	NNW	4	-	bc	2	1	46	39	og.c.bc	bc.cp	c.bc	3·0
	Nottingham ...	1003·9	45	NNW	4	o	1014·7	*	39	−2	NNW	3	N	bc	*	3	47	39	c.or	c.op	o.c.b	0·0
	Benson (Oxon.) ...	1003·6	44	NNW	5	o	1015·5	+4	32	−10	NW	1	-	b	*	-	49	32	o	o	o.b	*
	Sth Farnborough	1002·9	44	N	3	o	1014·5	+3	38	−7	WNW	2	-	bz	*	0·3	46	37	c.bogrm	or.o	bc.od.bz	1·6
	Salisbury Plain	1005·1	44	NNW	5	o	1016·9	+5	35	−7	NW	4	N	b	*	-	47	34	o	cq	o.c.bc.b	*
	London (Kew Obsy.)	1002·9	45	NNW	2	o	1014·5	+5	39	−4	NNW	2	-	b	*	0·3	46	38	bc.o.c.o	o.c.o	op.bc.p.b	1·5
NORTHERN EUROPE.	Spitsbergen ...	1025·9	−15	S	1	b	1021·1	+2	−11	+8	-	o	*	b	*	*	−11	−20				
	Vardö	1008·6	34	N	5	s	1014·7	+2	32	−14	ESE	3	-	s	4	*	36	28				
	Bodö	1005·1	32	E	2	b	1006·6	0	36	0	E	1	-	bc	1	-	37	34				
	Christiansund ...	1001·8	39	-	0	c	1005·9	0	41	+5	WNW	3	-	o	3	1	41	34				
	Skudesnaes ...	1001·9	41	-	0	r	1007·5	+4	37	−6	E	2	-	c	1	10	45	37				
	Færder (Tjania Fjord)	1002·0	43	NE	2	o	1005·8	+3	39	−6	N	4	N	o	1	2	45	39				
	The Scaw (Skagen)	1001·1	45	ESE	3	o	1005·1	+3	45	+2	NE	2	-	o	2	3	46	43				
	Blaavands Huk	1000·0	41	SE	1	o	1006·0	+3	43	+2	NW	1	-	c	*	trace	43	37				
	Copenhagen ...	999·4	45	SE	2	o	1004·2	+3	43	0	NW	1	-	m	*	1	45	41				
	Bornholm ...	999·4	41	SE	2	m	1004·3	+3	43	+2	SW	2	-	o	0	-	43	39				
FRANCE, &c.	The Helder ...	997·4	45	NE	3	o	1008·2	+4	45	+4	N	1	-	c	1	-	45	41				
	C. Gris Nez ...	997·8	46	W	6	bc	1010·2	+5	43	−3	NNW	7	*	c	6	-	52	43				
	La Hève	1001·0	46	NNW	5	o	1012·4	*	45	−2	NNE	5	*	o	7	2	48	43				
	Brest (St. Mathieu)	1009·6	48	N	7	c	1018·8	+3	48	0	N	3	*	c	2	3	52	46				
	Rochefort (Ile d'Aix)												*		*							
	Biarritz	1007·5	54	NW	6	r	1013·1	+3	46	−9	NE	3	*	r	7	27	55	45				
	Paris	999·8	41	NW	1	c	1009·2	+5	43	0	NNW	3	-	c	*	4	48	41				
	Belfort	1001·1	39	WSW	6	o	1009·8	*	37	0	W	2	*	o	*	2	45	36				
	Lyons	1002·7	39	-	0	r	1008·3	*	37	−7	NNW	1	*	o	*	2	50	37				
	Nice	997·6	46	E	2	c	1000·3	+1	46	0	E	2	*	c	4	-	61	43				
	Perpignan ...	1003·0	46	NW	4	o	1006·8	+1	46	−6	N	4	N	bc	*	-	59	45				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1018·7	57	N	5	c	1024·6	+8	54	−3	N	5	-	c	3	2	59	52				
	Madrid	1009·6	57	W	3	c	1017·1	+4	46	−11	W	1	-	o	*	-	59	41				
	Lisbon	1020·2	59	W	4	o	1021·2	+2	54	−7	NNW	3	-	b	5	-	63	54				
	Azores (Horta) ...	1029·2	*	SSE	4	b	1030·0	0	63	+2	SSE	3	*	o	2	-	68	61				
	Madeira	1023·8	66	NE	3	o	1025·4	0	59	−5	NE	4	-	b	4	-	70	59				
	Gibraltar							*					*									
	Malta	*	*	*	*	*	1001·9	0	66		SSW	2	-	o	1	10	72	59				
	Limassol	*	*	*	*	*	1013·2	−1	79	+18	ENE	3	-	o	0	-	84	59				
	Alexandria ...	1013·4	72	NE	2	b	1013·8	0	68	−5	-	0	-	b	0	-	81	63				
	Cairo (Helwan) ...	1012·7	77	-	0	b	1014·0	+2	70	0	-	0	S	b	*	-	88	66				

GALES.
Duration and Extreme Force in British Isles.

Blacksod Point. Gale 7am to forenoon. Extreme NWg at 11a.

Scilly Isles. Gale 7am to 10am 10th. Extreme NW. 8.

LONDON ...10TH Novr., 9h. G.M.T.	Humidity. 15 h. 10TH	Humidity. 9 h. 11TH	Sunshine for 10TH	24 Hours ended 9 h. 11TH: Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	83	83	1·3	45	39	32	-	b op	op.c	c.bc.bz
CITY (Bunhill Row)	*	*		*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	83	82	1·1	47	40	34	0·3	od.bc	odbc	bc
CAMDEN SQ. (British Rainfall) ...	88	82	1·6	46	38	34	0·3	b.o	o	*
HAMPSTEAD (Reservoir)	*	88	1·6	44	36	26	1	b	bc.op	bc.op.
S. KENSINGTON (Museum Grounds)	*	81	1·6	46	39	33	0·1	c.o	c.op	c.bc

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ...10TH...

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
180	5·5	19·5

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

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 Meteorological Office.

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,444. MONDAY, 12TH NOVEMBER .1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

The maximum temperature just rose above 50° in the South of England. At Eskdalemuir and Benson the minimum was 31° in the night. Rainfall was rather heavy in Scotland and Ireland, but none fell in East and South-East of England. In the latter districts several stations experienced from 5 to 6 hours of bright sunshine, elsewhere there was scarcely any.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h...11TH NOVEMBER.....

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 11TH.
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	Trace	-	46	40	c	bc	1·1
	Montrose	-	-	43	38	o	b	5·8
	St. Andrews							
Eng. N.E.	Harrogate	-	-	45	36	o	o	0·9
	Skegness	3	Trace	45	38	bc	bc	1·4
England, E.	Felixstowe	1	-	47	38	bcm	bc	6·3
	Walton-on-Naze							
	Southend-on-Sea	-	-	47	38	bc.c	c.o	4·5
England, S.E.	Margate	-	-	47	43	bc.b	b.bc	5·5
	Hastings	-	-	48	40	b	bc	5·5
	Eastbourne	-	-	49	39	b	bc	4·8
	Seaford	*	*					
	Brighton							
	Worthing	-	-	47	37	b.bc	c.o	2·8
	Littlehampton							
	Bognor	*	*					
	Bournemouth	-	-	48	38	b	o	5·0
Scotland, W.	Oban	-	4	44	37	or	or	0·0
Eng. N.W.	Morecambe	-	Trace	46	36	*	*	0·0
	Southport					o	op. o	
Midlands.	Ross-on-Wye							
Wales.	Rhyl	-	-	46	37	bc	c.d.	0·0
	Colwyn Bay	-	1	47	40	bc	qu	0·0
	Llandudno	*	*	48	41	c	c.d	0·0
	Aberystwyth	*	*	47	35	o·c	c o	0·0
England, S.W.	Weymouth	*	*					
	Torquay	-	-	49	38	b.o.b	o	2·7
	Paignton	*	*					
	Penzance							
	Newquay	2	1	50	45	c	or	0·7
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF.....11TH NOVEMBER.....

	STATIONS.	Evening of...10TH.... Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0–12.	Weather.	Morning of...11TH..... Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					F	F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel							*							*	
	Gorki							*							*	
	Velieki Luki							*							*	
	Hangö														*	
	Petrograd															
	Moscow														*	
	Kiev														*	
	Kharkov														*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1000·1	45	NW	1	o	1003·0	*	42	-4	N	1	o	4	46	42
	Turin	1000·7	46	-	0	b	1004·7	*	?		-	0	f	-	50	34
	Pesaro	1001·4	48	-	0	o	1002·7	*	46	-4	SW	1	o	3	57	45
	Leghorn	1001·4	57	-	0	c	9997	*	50	-7	-	0	o	5	59	45
	Rome	1001·9	55	SE	1	o	9982	*	55	+3	E	2	r	1	63	54
	Viesti	1005·0	59	WSW	4	o	1002·7	*	59	+4	SSE	2	c	-	61	54
	Brindisi	1007·1	63	S	3	bc	1004·2	*	61	+11	SE	3	b	-	66	50
	Cagliari	1001·3	61	SE	4	c	9947	*	54	0	W	5	r	1	66	52
	Palermo	10058	59	-	0	c	9992	*	64	+5		3	o	7	64	54
	Tripoli	?	61	?	1	b	10057	*	61	0	S	1	c	-	*	57
	Algiers															
Sweden	Hernösand	1005·5	41	SE	2	f	1006·6	*	39	0	-	0	o	*	*	*
	Stockholm	10034	43	E	2	r	1001·4	*	41	0	NNE	2	r	*	*	*
	Wisby	1001·2	43	S	2	r	1001·5	*	45	+4	-	0	r	*	*	*

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	1013·4	25	+4	N	5	o
Reykjavik	1007·6	34	+6	E	5	c
Vestmanna	1007·1	36	+8	SE	5	o
Seydisfjord	1014·2	23	-11	NW	4	S
Thorshavn	1009·9	34	-6	NNW	1	o

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

12TH AND 13TH..... 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·10 / 7·12	11·37 / 11·37	4·4 / 4·3
Greenwich	7·14 / 7·16	11·44 / 11·44	4·14 / 4·13
Wick	7·55 / 7·58	11·56 / 11·56	3·57 / 3·55
Valencia	7·57 / 7·59	12·25 / 12·25	4·53 / 4·52

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By WYMAN & SONS LTD., Fetter Lane, London, E.C., and Reading.

‡ The barometric change is expressed in half-millibars

THE MORNING OF MONDAY, 12TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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 ~~~.

HIGH 1010 mb 29.83 in.

LOW 1000 mb

1005 mb

1000

Bar. steady

29.53 in. 29.68 in.

1000 mb 1005 mb 1010 mb 1015 mb 1020 mb

Barometer rising generally

29.83 in. 29.97 in. 30.12 in.

1025 mb

HIGH

30.27 in.

LOW 1010 mb 1005 mb 1000 mb

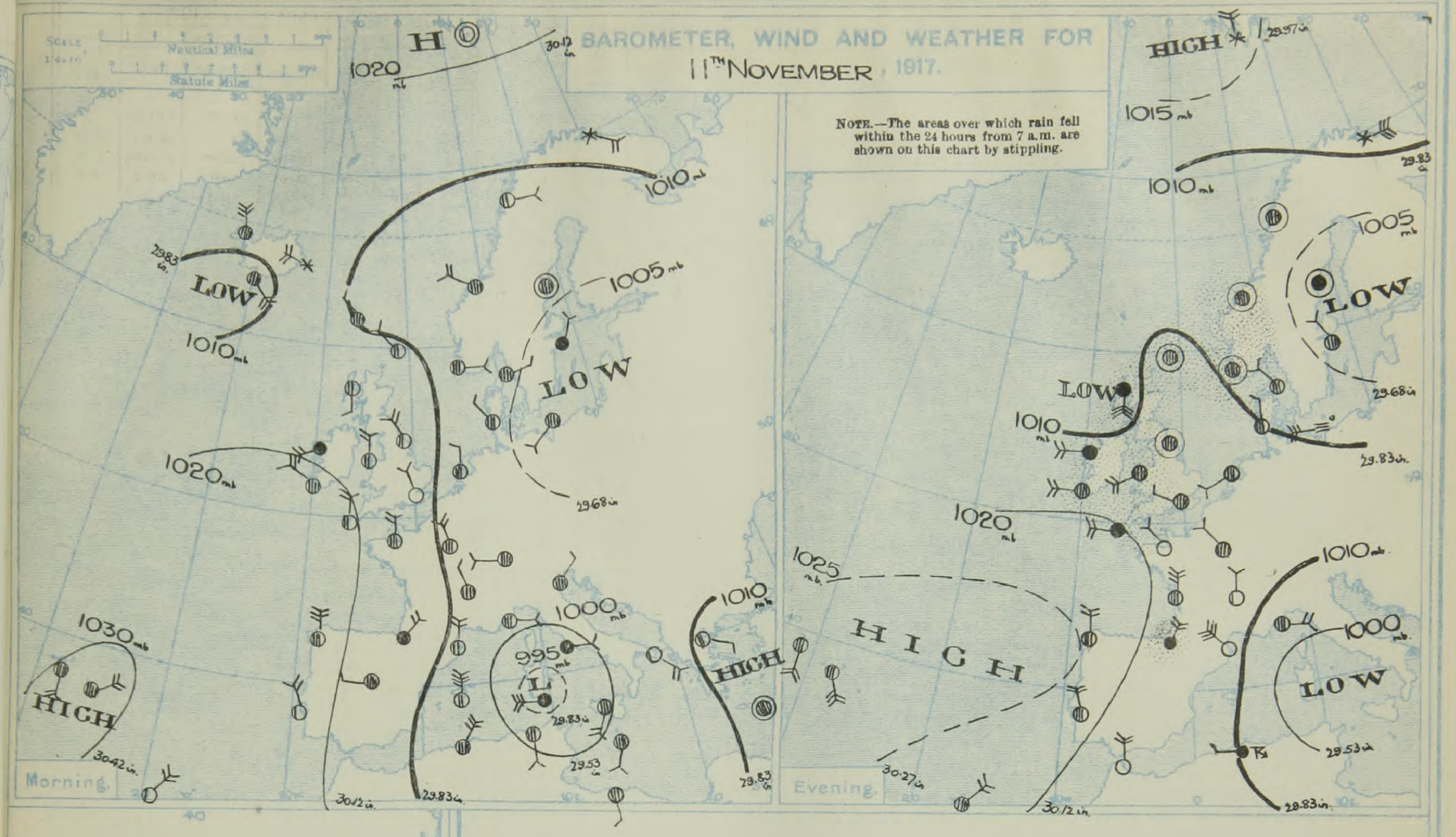
29.93 in. 29.68 in. 29.97 in. 29.83 in.

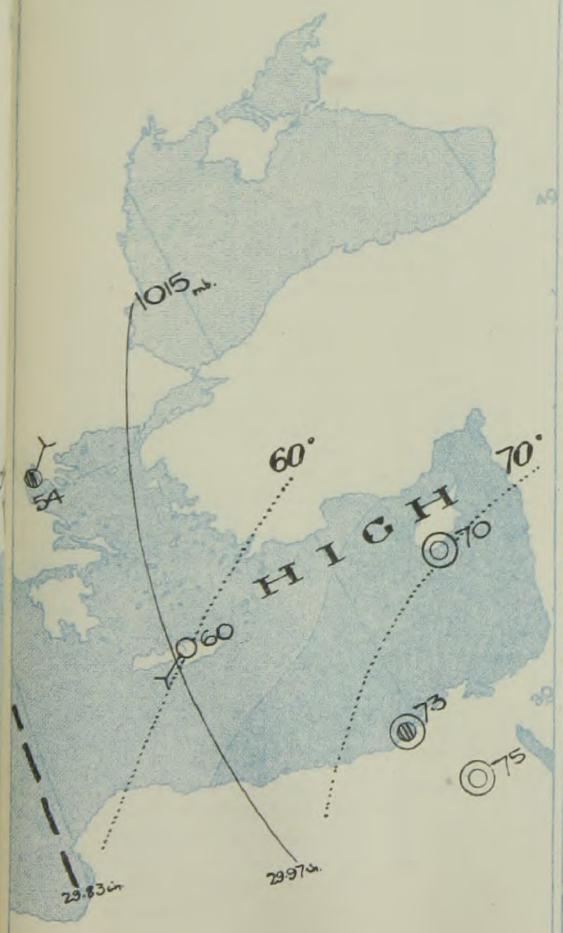
SCALE 1 : 2 × 10⁷
Nautical Miles 0 1 2 3 4 5 6
Statute Miles 0 1 2 3 4 5 6½

Normal Temperature of the Sea.

Below 50° | 50°-60° | 60°-70° | Above 70°

Scale of Tints for NOVEMBER.





The Present Situation

The depression that was off the West coast of Scotland yesterday morning is now to the north of Farõe. A shallow secondary depression has formed near Portland Bill during the night, and appears to be nearly stationary. There is a local circulation of wind round Devon and Cornwall and rain at all the neighbouring stations, but over North-West Europe generally the wind is Westerly to North-Westerly, light or moderate in force, and the weather is fair to dull with local mist or fog.

The General Outlook

The barometer is rising generally, and the anticyclone in the South-West appears likely to be the dominant factor in deciding the weather over this country. Moderate W. or NW. breezes and fair weather may be expected except in the south of England, where light variable airs and somewhat less settled weather is probable, with local mist or fog at night.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 316. [Monday] 12th November.

	STATIONS.	EVENING OF...11TH.... Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Force 0-12.	Weather.	MORNING OF.....12TH..... 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.	24 HOURS ENDED 7 A.M....12TH.... Rainfall. Millimetres.	Temp. Max.	Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for 11TH
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1011·0	39	-	0	om	1004·0	+1	47	*9	WNW	4	W	cm	4	5	47	37	bc·o	c·o	om·cp	*
	Deerness (Orkney)	1010·8	42	S	2	c	1009·1	*	47	+7	W	4	-	c	3	2	47	41	op	c·o	cp·o·c	0·2
	Stornoway ...	1009·1	45	S	6	odm	1014·3	+4	46	+7	W	3	-	c	3	2	48	38	cpm	odm	o·c·dpq	0·0
	Castlebay (Barra Isd.)	1010·7	47	SSW	4	o	1018·8	+2	49	+2	WNW	4	W	c	4	5	50	44	d·o	op	or·c	0·0
	Glasgow ...	1014·2	42	SSW	2	om	1016·1	+5	46	+10	W	3	-	b	*	3	46	36	ofdp	omdp	omdp.b	0·0
	Eskdalemuir ...	1014·5	37	SW	2	o	1016·9	+4	46	+13	WSW	3	-	bc	*	2	47	31	bvx.o	o·om	odm.bc	0·0
	Malin Head ...	1009·2	44	SSW	3	odm	1019·1	?	47	+2	NNW	-	3	om	3	9	50	42	odm	opm	om	0·0
	Blacksod Point	1012·1	51	W	4	orf	1022·0	+5	47	+2	W	2	-	ogm	3	16	51	43	omr	omr	og·omg	*
	Valencia (Cahirciveen)	1017·8	52	W	4	o	1024·1	+4	49	+2	NW	3	-	o	3	3	53	46	o·odm	or·dm	od·o·b·o	0·0
	Roche's Point	1016·7	48	SW	3	r	1022·0	*	48	+2	NW	2	N	b	2	3	53	45	o·r	r	r·o·c·b	*
	Birr Castle ...	1013·5	48	SSW	1	r	1022·4	*	46	+3	NW	1	-	c	*	13	51	42	or	or	or·c	0·0
	Donaghadee ...	1013·0	43	SSW	2	odgm	1018·1	+5	46	+4	W	3	-	bc	2	4	49	41	ogm	odm	ofp·cg	*
	Liverpool (Bidston)	1016·2	45	W	1	o	1017·8	+2	48	+5	W	2	W	o	2	1	48	41	c·o	og	op	0·0
	Holyhead ...	1015·4	46	SW	4	odpm	1018·5	+5	51	+4	NW	5	-	o	4	4	51	45	o·cbc·o	odm	odm·o	0·0
	Pembroke (St. Ann's)	1018·4	48	WSW	4	r	1020·4	+5	52	+6	N	2	-	o	2	12	52	45	bc·c	c·or	or·odp	0·0
	Hartland Quay	1019·6	48	WSW	3	r	1019·8	+3	52	+3	NNE	2	-	o	2	11	52	46	o	o·or	org·or	*
	Scilly (St. Mary's)	1021·1	47	W	4	or	1020·8	+3	52	+5	N	4	-	om	5	3	52	45	bc·c·o	or	omr	0·0
	Falmouth ...	1020·6	45	WSW	2	or	1019·1	+4	52	+6	N	3	-	r	*	10	53	44	bc·c·bc	bc·og·r	r·oe·od	2·0
	Jersey (St. Aubin)	1019·7	48	NW	2	b	1020·3	*	48	+1	SSW	2	-	o	2	1	53	44	c·b	bc·b	op·o	4·5
	Portland Bill ...	1018·9	45	NNW	1	o	1019·5	+2	50	+7	SW	1	-	or	2	2	50	45	bc·c	c·o	o·r·c	*
	Dungeness ...	1017·3	41	NW	2	bc	1020·5	+1	38	-2	NNW	1	-	b	1	-	48	38	bc	bc	b·bcx3	*
	Dover	*	*	*	*	*													*	*		
	Wick	1011·5	42	SSW	1	o	1011·2	+5	47	+7	NW	3	-	c	3	1	48	38	opgm	ogm	ogpm	*
	Nairn	1011·5	41	-	o	o	1013·7	*	45	+7	W	2	-	bc	1	1	47	37	cg	cg·o	opu	0·0
	Aberdeen	1013·2	42	WSW	1	cj	1014·0	+4	46	+6	W	3	-	b	2	0·4	46	39	o·c·b	b·oj·c	j·cor·b	2·1
	Leith	1013·7	43	SW	1	o	1014·7	+2	42	+5	SW	1	-	b	1	0·3	43	36	bcj·c·o	o	oj·op·b	*
	Tynemouth ...	1015·6	42	-	o	om	1015·0	+1	44	+7	W	1	-	f	3	-	44	36	cm	cm	f	*
	Spurn Head ...	1017·0	44	NW	2	bcm	1017·9	+1	43	+2	SW	2	-	o	3	-	44	41	cg	c	bcm	0·0
	Yarmouth (Gorleston)	1016·1	41	N	3	bc	1019·5	+2	37	-6	WSW	3	-	bcm	2	1	48	36	bcqp	b·opm	bcpm·b	5·1
	Clacton-on-Sea	1017·7	40	NW	2	bc	1020·3	+2	42	+2	S	2	NW	bc	2	-	47	35	bc	bc	bxbcm	6·0
	Nottingham ...	1017·2	42	WSW	1	o	1018·2	*	43	+4	WSW	1	SW	om	*	-	46	39	bc·c	c·o	c·om	0·0
	Benson (Oxon.) ...	1018·7	40	NW	1	o	1919·6	+3	42	+10	S	2	-	r	*	0·1	46	31	c	bc	omd	*
	Sth Farnborough	1019·7	42	WNW	2	o	1020·7	+3	40	+8	S	1	-	om	*	-	47	36	b·oj	o·c·c	o·bc·om	2·8
	Salisbury Plain	1019·4	40	-	o	o	1020·3	+3	41	+6	SE	1	-	odm	*	trace	45	34	bc·c·o	o	o	*
	London (Kew Obsy.)	1018·8	44	WNW	1	o	1020·6	+3	39	o	-	o	-	om	*	trace	47	38	bc·o	o·c·o	obc.bm·o	2·7
NORTHERN EUROPE.	Spitsbergen ...	1015·2	5	N	4	s	1011·8	-1	25	+36	NW	5	*	s	*	*	27	-22				
	Vardö	1011·6	34	E	6	s	1007·4	-2	34	+2	SE	5	-	s	3	*	34	32				
	Bodö	1005·1	37	-	o	o	1002·3	o	34	-2	SE	1	-	bc	1	-	37	32				
	Christiansund ...	1008·4	39	-	o	o	1007·1	o	39	-2	-	o	-	bc	3	7	43	37				
	Skudesnaes ...	1010·2	39	-	o	c	1009·8	-2	43	+6	W	3	-	r	3	1	43	34				
	Færder (X'lania Fjord)	1008·7	37	NNW	2	b	1011·1	+1	34	-5	-	o	-	b	o	-	39	32				
	The Scaw (Skagen)	1008·6	43	NW	2	c	1011·8	+1	37	-8	W	1	-	c	1	1	45	36				
	Blaavands Huk	1011·4	43	N	1	c	1016·8	+2	45	+2	WNW	2	-	c	*	1	46	41				
	Copenhagen ...	1009·4	43	SW	2	o	1016·3	+3	43	o	W	2	-	m	*	-	43	41				
	Bornholm ...	1009·1	43	W	5	m	1015·8	+4	43	o	WNW	4	-	c	1	trace	45	41				
FRANCE, &c.	The Helder ...	1014·9	45	SW	2	c	1019·9	+4	36	-9	S	1	b	b	1	-	48	36				
	C. Gris Nez ...	1017·6	45	N	4	b	1021·2	+3	41	-2	S	1	*	bc	2	-	48	41				
	La Hève	1018·6	41	NNE	4	c	1021·0	*	42	-3	SSE	3	*	m	2	-	48	41				
	Brest (St. Mathieu)	1022·8	50	N	3	r	1019·9	+2	53	+5	WSW	3	*	r	2	4	53	46				
	Rochefort (Ile d'Aix)	1019·2	50	N	5	c	1021·5	+1	42	·	NE	1	*	o	*	-	54	42				
	Biarritz	1018·0	50	NNE	4	r	1020·8	o	45	-1	-	o	*	o	3	13	52	43				
	Paris	1017·4	45	N	2	o	1022·3	+3	36	-7	NNE	1	-	f	*	-	50	32				
	Belfort							*					*		*							
	Lyons	1013·1	40	N	2	b	1017·6	*	37	o	NNW	4	*	b	*	-	45	36				
	Nice	1001·8	49	E	3	c	1005·4	+2	52	+6	E	2	*	bc	3	-	59	45				
	Perpignan ...	1010·3	48	NW	6	b	1014·3	+3	48	+2	NW	5	N	b	*	-	52	46				
	Sanguinaire ...	998·2	48	SE	3	o	998·7	*	52	-	E	3	*	o	4	3	55	46				
SOUTHERN STATIONS.	Corunna	1025·0	55	N	4	c	1021·0	?	50	-4	SSE	1	-	o	2	?	55	50				
	Madrid														*							
	Lisbon	1021·8	54	NNW	4	c	1022·2	+1	48	-6	NNW	3	-	b	5	-	61	48				
	Azores (Horta) ...	1028·3	*	SSE	5	b	1026·6	-1	61	-2	SSE	4	*	b	2	1	68	61				
	Madeira	1021·8	68	NE	4	o	1020·4	-2	61	+2	NE	5	-	bc	4	-	72	59				
	Gibraltar	1016·9	56	N	4	b	1017·3	*	52	-	N	4	*	b	3	-	68	50				
	Malta	*	*	*	*	*	1001·2	+3	59	-7	SSW	4	-	r	2	4	70	59				
	Limassol	*	*	*	*	*	1017·8	+1	70	-9	-	o	-	b	3	1	86	64				
	Alexandria ...	1014·3	75	-	o	bc	1017·6	+2	73	+5	-	o	-	c	o	-	88	66				
	Cairo (Helwan) ...	1014·2	79	NE	3	b	1016·8	+3	75	+5	-	o	N	b	*	-	91	70				

BEAUFORT NOTATION.

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

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 Meteorological Office.

LONDON ..12TH NOVR., ...9h. G.M.T.	Humidity. 15 h. 11TH	Humidity. 9 h. 12TH	Sunshine for 11TH	24 HOURS ENDED 9 h....12TH..... Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	77	79	2·9	46	36	29	-	bj·b	bc·b	bc
CITY (Bunhill Row)	*	*	0·4	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	76	73	1·1	47	37	31	-	bc	bc	bc·me
CAMDEN SQ. (British Rainfall) ..	-	77	1·6	55	37	34	-	-	-	*
HAMPSTEAD (Reservoir)	*	78	2·5	45	37	27	-	b	b	bmx
S. KENSINGTON (Museum Grounds)	*	76	1·6	46	40	?	-	bc·c	c·bc	bc·o

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ...11TH.....

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
340	10·5	24

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

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,445. TUESDAY, 13TH NOVEMBER .1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

Temperature rose to about 50° in most places, and touched 55° locally in the South-West of England, The night was mild in the North, but colder in the South and South-East. At Clacton the thermometer fell to 32°. Scarcely any rain fell in these Islands. At many stations in the North-West the sunshine records were high for the time of year

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h....12TH NOVEMBER...

	STATIONS.	Rainfall Night. 18h-9h.	Rainfall Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 12TH
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	Trace	-	51	40	c.bc	c.bc	2·0
	Montrose	1	-	50	37	b	b	1·0
	St. Andrews	-	-	51	36	c	c	3·0
Eng. N.E.	Harrogate	Trace	-	50	38	b	b.bc	4·3
	Skegness	Trace	-	48	36	bc	bc	0·6
England, E.	Felixstowe	-	-	50	35	bcm	bcm.o	3·7
	Walton-on-Naze							
	Southend-on-Sea	-	-	50	38	o	o7	0·7
England, S.E.	Margate	-	-	53	38	b	b.be.c	5·0
	Hastings	-	-	54	39	bcm	o	1·9
	Eastbourne	-	-	53	34	o.bc	bc.o	1·8
	Seaford	*	*	54	35	m.bc	bc.c	1·7
	Brighton							
	Worthing	-	-	53	34	bc.c	o	1·0
	Littlehampton							
	Bognor	*	*					
	Bournemouth	Trace	Trace	53	42	o	o	0·0
Sc'tld W.	Oban	4	-	51	39	bc	bc	3·6
Eng. N.W.	Morecambe	1	-	50	42	c.o.c.bc.b	b.bc.b	5·3
	Southport							
Midlands.	Ross-on-Wye	-	-	51	42	o	c.bc.b	0·7
	Malvern	Trace	-	50	42	c.bc	bc.c	2·0
Wales.	Rhyl	1	-	51	42	bc	bc	5·0
	Colwyn Bay	1	1	52	43	c	c	5·0
	Llandudno	*	*	52	44	c.b	b	6·0
	Aberystwyth	*	*	50	42	r.o.c	bc.o	3·0
England, S.W.	Weymouth	*	*					
	Torquay	4	Trace	55	44	od	o	0·4
	Paignton	*	*					
	Penzance	10	Trace	54	46	om	om	0·0
	Newquay	10	-	53	44	o	o	0·1
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF....12TH NOVEMBER.....

	STATIONS.	Evening of 11TH: Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0-12.	Weather.	Morning of 12TH: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					F	F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel							*							*	
	Gorki							*							*	
	Velieki Luki							*							*	
	Hangö														*	
	Petrograd															
	Moscow														*	
	Kiev														*	
	Kharkov														*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout														*	
	Soukhoum							*							*	
Mediterranean.	Venice	1005·0	48	NE	3	r	1008·5	*	52	+10	ENE	2	0	11	52	42
	Turin	1006·6	46	-	0	b	1011·4	*	41		-	0	b	-	50	39
	Pesaro	1003·4	48	W	1	0	1007·4	*	50	+4	SW	1	0	13	54	46
	Legborn	?	50	-	0	0	1006·3	*	52	+2	-	0	0	Trace	55	48
	Rome	999·7	? 57	-	0	c	1001·9	*	54	-1	-	0	0	27	57	54
	Viesti	1002·9	61	ESE	6	bc	1005·5	*	59	0	ESE	2	r	8	63	55
	Brindisi	1005·5	59	SE	3	0	1006·1	*	64	+3	SE	4	r	10	68	49
	Cagliari	1010·7	59	NW	5	0	9950	*	52	-2	WSW	4	r	12	63	48
	Palermo	997·9	61	S	4	0	998·9	*	54	-10	SSW	4	r	4	66	52
	Tripoli						1006·9	*	57	-4	W	1	c	-	*	55
	Algiers	1008·4	48	W	1	tlr	1009·1	+2	48		WNW	5	tlr	20	57	45
Sweden	Hernösand	1002·7	37	-	0	r		*						*	*	*
	Stockholm	1004·0	37	NNW	2	0		*						*	*	*
	Wisby	1005·9	43	W	2	r		*						*	*	*

Iceland.	Morning of 12TH: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.
		°F	°F			
Isafjord	986·3	34	+5	E	4	S
Reykjavik	989·0	39	+5	S	3	0
Vestmanna	993·4	41	+5	-	0	T
Seydisfjord	991·9	32	+9	NE	2	c
Thorshavn	999·1	44	+10	WNW	5	0

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

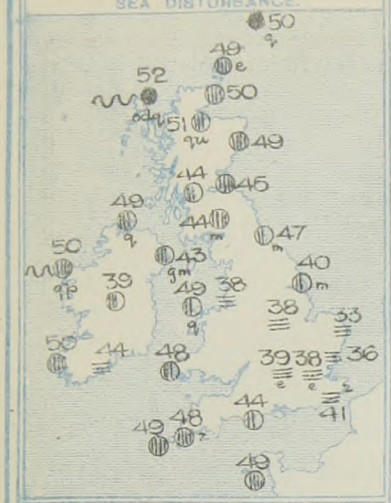
13TH AND 14TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·12 / 7·14	11·37 / 11·38	4·3 / 4·2
Greenwich	7·16 / 7·18	11·44 / 11·45	4·13 / 4·12
Wick	7·58 / 8·0	11·56 / 11·57	3·55 / 3·53
Valencia	7·59 / 8·1	12·25 / 12·26	4·52 / 4·51

Printed at the Meteorological Office, South Kensington, London, S.W. 7.
By WYMAN & SONS LTD., Fetter Lane, London, E.C., and Reading

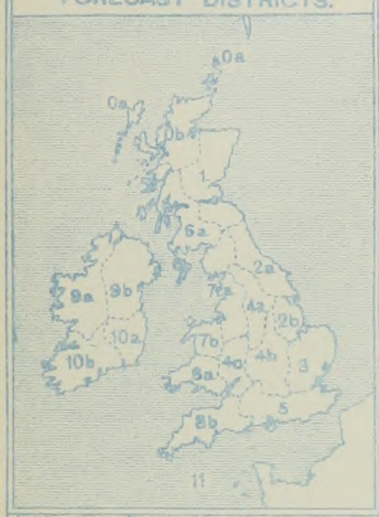
‡ The barometric change is expressed in half-millibars

THE MORNING OF TUESDAY, 13TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



FORECAST DISTRICTS.



EXPLANATION.

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

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

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

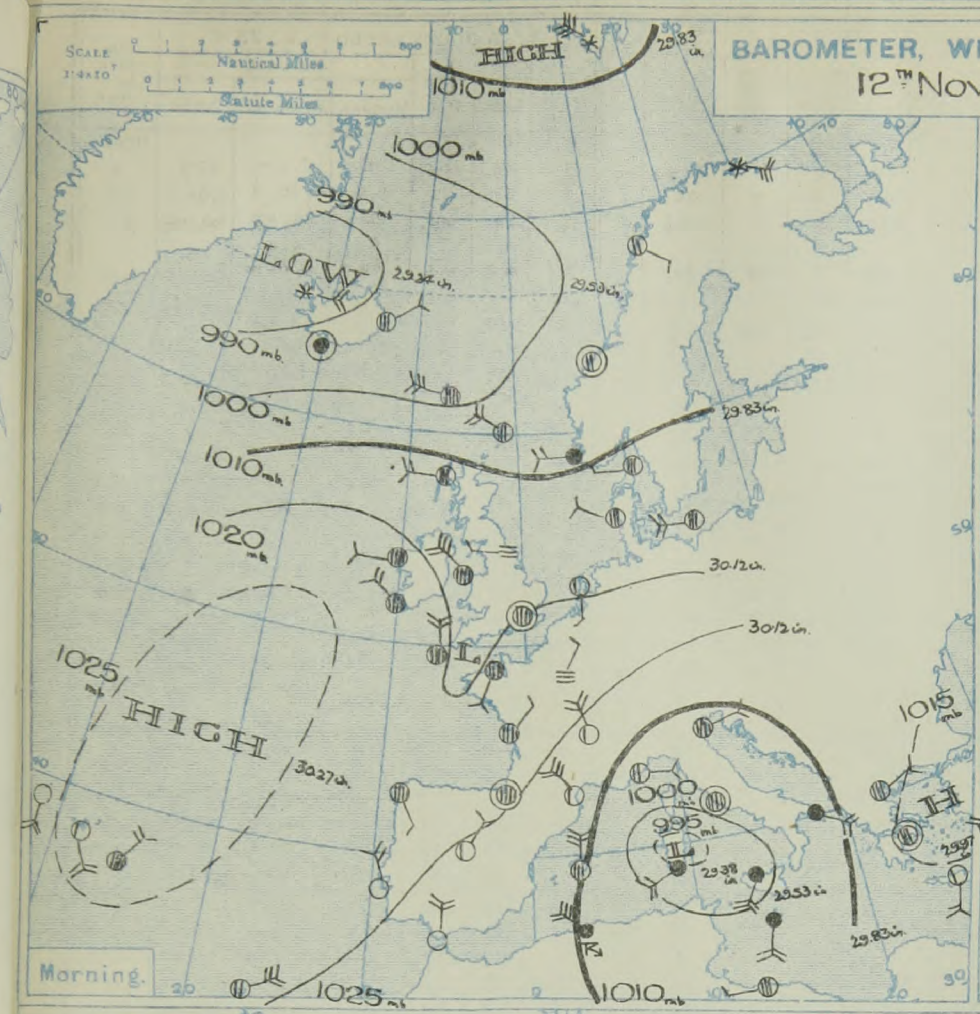
SEA DISTURBANCE.—Rough ~~~. High ≈≈.

SCALE 1 : 2 × 10⁶
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 600

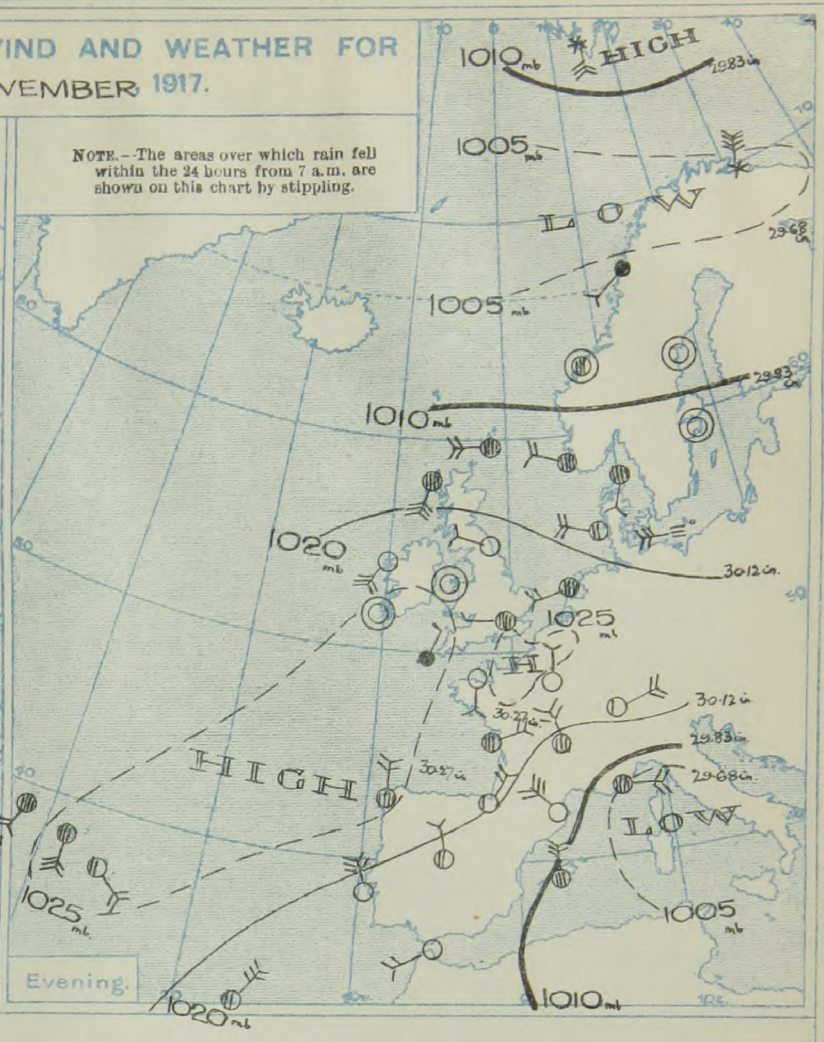
Normal Temperature of the Sea.
Below 50° | 50°–60° | 60°–70° | Above 70°
Scale of Tints for NOVEMBER.

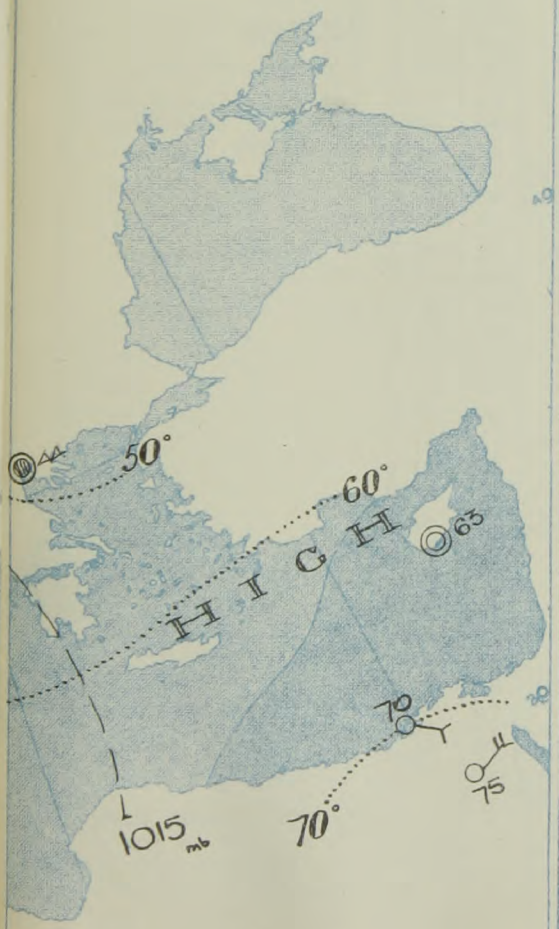
29.83 in. Barometer falling. 29.68 in. 29.53 in. 29.97 in. 30.12 in. 30.27 in. nearly steady 40° Barometer rising. 32° 34 36 40° 45 1000 mb 1005 mb 1010 mb 1015 mb 1020 mb 1025 mb LOW HIGH LOW 60°

BAROMETER, WIND AND WEATHER FOR 12TH NOVEMBER 1917.



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





The Present Situation

A very extensive anticyclone covers the South of England, the Netherlands, and most of France, and stretches in a South-Westerly direction to the Azores. To the northward of the British Isles a depression, apparently moving eastward, is centred between Norway and Iceland. This is causing some rain and strong South-West winds in the far north of our Islands, while in the South-East of England and the nearer part of the Continent the quiet anticyclonic conditions are accompanied by fog.

The General Outlook

It appears probable that the present type of pressure distribution will continue for a time with little modification, and that the general character of the weather will be much more stable in the South than in the North.

R. G. K. LEMPFERT. Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 317 [13TH NOVEMBER.

	STATIONS.	Evening of 12th: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 13th: 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.	24 hours ended 7 a.m. 13th: Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 12th Hours.
BRITISH ISLANDS.	Lerwick ...	1011·2	47	W	4	om	1007·8	0	50	+3	SW	5	-	orq	4	7	50	44	cm	c,om	orq	*
	Deerness (Orkney)	1014·2	45	SSW	3	c	1010·1	*	49	+2	SW	4	-	oe	4	1	49	45	0,c	c,bc,b	c,bc,o	1·1
	Stornoway ...	1014·2	49	SSW	6	oq	1010·8	-1	52	+6	SSW	7	-	odq	5	2	52	45	bc	bc,oq	oq,odq	5·1
	Castlebay (Barra Isd.)	1020·0	49	SW	5	o													c	c,o		
	Glasgow ...	1022·1	45	SW	1	bcm	1020·3	-1	44	-2	SW	1	W	bc	*	0·1	49	43	b,bc,c	c,bcm	bcf,cp	1·3
	Eskdalemuir ...	1023·6	40	SW	2	b	1022·2	-1	44	-2	SW	4	-	om	*	0·1	54	35	bc,c	bc,b	bc,omw	5·6
	Malin Head ...	1021·3	46	SW	2	bcm	1017·5	-2	49	+2	SW	4	SW	cq	4	-	49	43	bcm	bcm	cq	5·3
	Blacksod Point	1022·4	45	SSW	5	bm	1019·8	0	50	+3	SSW	5	-	ogp	5	0·3	50	44	bc3	bm	og,ogp	*
	Valencia (Cahirciveen)	1025·9	44	Calm	0	b	1024·9	0	50	+1	SSE	3	-	o	4	0·1	50	42	c,bc	bc	b,bw,o	4·1
	Roche's Point	1026·0	46	S	1	b	1026·2	*	44	-4	W	1	-	f	1	0·1	54	43	b	b	bf	*
	Birr Castle ...	1025·1	40	WSW	1	c	1024·0	*	39	-7	S	1	-	c	*	-	48	36	c, o	c	c	2·3
	Donaghadee ...						1021·1	0	43	-3	SW	4	SW	cgm	3	-	53	40			cm,bcm	*
	Liverpool (Bidston)	1025·0	46	W	2	b	1025·2	0	38	-10	WSW	1	-	f	1	trace	50	38	odm	b	bf	5·0
	Holyhead ...	1024·6	46	Calm	0	bm	1023·8	0	49	-2	SW	5	-	bcq	4	-	54	44	bc	bc	bmqw	6·8
	Pembroke (St. Ann's)	1026·1	47	NNW	1	bc	1026·9	+1	48	-4	S	1	-	c	1	0·1	53	44	ofu,c	c,bc	b,bc,c	0·0
	Hartland Quay	1026·0	52	N	2	c	1027·1	0	50	-2	W	2	-	o	2	0·1	53	48	ogd	og	o	*
	Scilly (St. Mary's)	1025·9	51	NNE	1	oma	1027·2	0	49	-3	NW	1	N	o	3	1	54	48	oma,o	omdp	o	0·0
	Falmouth ...	1025·5	51	NNE	3	ome	1026·6	+1	48	-4	NNW	2	-	o3	*	trace	53	47	oe	ome	oe,o3	0·0
	Jersey (St. Aubin)	1024·7	46	S	2	bm	1026·9	*	49	+1	NW	2	-	o	2	trace	54	44	o,bc,b	b	b,op,o	6·2
	Portland Bill ...	1024·4	52	NW	1	o	1025·9	0	44	-6	N	1	-	bc	2	0·1	56	43	bc	bcdp	b,bc	*
	Dungeness ...	1024·5	49	WSW	2	o	1026·1	0	41	+3	N	1	-	f	1	-	53	?	bc	bc,o	bc,cf	*
	Dover	*	*	*	*	*													*	*		
	Wick	1015·2	45	W	3	bc	1011·3	0	50	+3	SW	3	-	o	3	-	50	45	cm	bcm,cm	c,omg	*
	Nairn	1015·7	49	W	2	cq	1014·0	*	51	+6	W	4	-	cqu	2	-	51	45	bcq	bc, c	cq	2·2
	Aberdeen	1018·1	46	SSW	3	bc3	1015·9	0	49	+3	SSW	4	-	o	2	-	51	43	b,b3	bc,c3	bc,c,o	3·3
	Leith	1020·2	47	W	1	bc	1019·1	0	45	+3	NW	1	-	o	1	-	50	42	b3,bc,c	c,bc	bc,b3,o	*
	Tynemouth ...	1021·7	47	WNW	2	bm	1021·5	0	41	-3	Calm	0	-	bcm	3	-	52	39	bcm	bcm	bcm	*
	Spurn Head ...	1023·5	46	Calm	0	bom	1024·2	0	40	-3	WSW	2	-	bcm	2	0·1	47	39	of	of	f	0·0
	Yarmouth (Gorleston)	1023·1	46	W	1	bcf	1024·9	0	33	-4	W	1	-	bf	2	-	48	33	bc,o	bc,of	bf	2·2
	Clacton-on-Sea	1024·1	48	WNW	1	o	1026·4	+1	36	-6	NNW	1	-	f	0	-	50	32	bcm,cm	c,ogm	ogm,f	2·3
	Nottingham ...	1024·0	44	W	2	b	1024·7	*	38	-5	WSW	2	-	f	*	-	51	35	cm	o,c,bc	bm	0·0
	Benson (Oxon.) ...	1024·8	47	SW	1	o	1026·2	+1	39	-3	Calm	0	-	fe	*	0·3	48	37	odm	om	ofe	*
	Sth Farnborough	1025·5	49	WNW	2	r	1027·1	+2	40	0	WNW	1	-	fe	*	?	50	34	o3	odm	od,ofe	0·0
	Salisbury Plain	1024·8	48	Calm	0	c	1026·9	0	42	+1	W	2	-	om	*	trace	49	34	o	o	c,bc,om	*
	London (Kew Obsy.)	1025·0	49	W	1	ome	1027·3	+1	38	-1	Calm	0	-	fe	*	0·1	50	36	om,omd	om,ome	ome,ofe	0·0
NORTHERN EUROPE.	Spitsbergen ...	1013·2	27	S	5	s	10132	0	21	-4	SSE	2	*	b	*	*	27	16				
	Vardö	1004·4	36	NNE	8	s	1010·4	+4	?	?	NE	6	-	s	4	*	?	32				
	Bodö	1006·0	37	SW	2	r	1006·0	-1	34	0	SSW	1	-	b	1	-	39	32				
	Christiansund ...	1008·4	41	Calm	0	c	1005·4	-4	45	+6	Calm	0	-	r	3	1	45	37				
	Skudesnaes ...	1014·7	45	NW	3	o	1015·6	-1	45	+2	SSE	4	-	r	4	8	46	43				
	Færder (X'iania Fjord)	1014·0	37	NNW	1	b	1016·8	+2	36	+2	Calm	0	NW	bc	1	-	39	34				
	The Scaw (Skagen)	1012·3	43	SSW	2	o	1017·9	+4	45	+8	WSW	1	-	c	1	4	46	37				
	Blaavands Huk	1016·6	46	WNW	4	bc	1021·8	+2	46	+1	NNW	2	-	o	*	1	48	43				
	Copenhagen ...	1017·6	45	WSW	3	r	1020·8	+4	43	0	W	2	-	f	*	2	46	41				
	Bornholm ...	1018·4	43	W	5	m	1021·0	+3	43	0	SW	3	-	o	1	trace	45	41				
FRANCE, &c.	The Helder ...	1022·4	48	WSW	3	o	1026·0	+3	43	+7	W	1	N	m	1	trace	50	34				
	C. Gris Nez ...												*									
	La Hève	1023·9	46	S	1	o	1025·5	*	46	+4	W	3	*	r	3	1	50	42				
	Brest (St. Mathieu)	1025·5	50	Calm	0	o	1027·6	+1	49	-4	ESE	2	*	f	2	2	53	48				
	Rochefort (Ile d'Aix)	1023·6	46	NE	3	c	1025·2	+1	39	-3	NE	5	*	o	*	-	52	39				
	Biarritz	1020·7	48	NNE	3	b	1023·5	+2	38	-7	E	2	*	o	2	-	54	37				
	Paris	1025·5	37	N	2	b	1026·7	+2	30	-6	N	2	-	b	*	-	45	30				
	Belfort	1023·5	37	ENE	4	b	1023·4	*	34	?	ENE	6	*	bc	*	-	45	32				
	Lyons	1018·2	43	NNW	4	o	1020·0	*	36	-1	NNW	3	*	o	*	-	43	35				
	Nice	1004·6	59	E	4	o	1010·6	+2	50	-2	Calm	0	*	r	4	trace	61	45				
	Perpignan ...	1013·6	48	NW	5	b	1014·7	0	46	-2	NW	5	-	o	*	-	54	45				
	Sanguinaire ...	999·9	55	E	3	r	1007·4	*	54	+2	N	2	*	o	4	1	61	45				
SOUTHERN STATIONS.	Corunna	1026·2	57	N	4	o	1025·1	+2	55	+5	NNE	2	-	bc	2	trace	59	50				
	Madrid	1016·0	52	NNW	3	bc	1019·1	+3	39	-7	Calm	0	-	b	*	-	54	34				
	Lisbon	1018·8	55	NNW	5	b	1017·1	+1	55	+7	NNW	3	-	b	5	-	63	48				
	Azores (Horta) ...	1025·3	*	S	5	c	1024·3	0	63	+2	SW	5	*	b	3	-	68	63				
	Madeira	1018·6	66	NE	5	bc	1018·3	0	63	+2	NE	4	-	c	4	-	70	61				
	Gibraltar	1015·6	56	SW	3	b	1012·8	*	51	-1	NW	4	*	b	2	-	67	50				
	Malta	*	*	*	*	*	1006·8	0	61	+2	SSW	6	-	c	2	43	66	55				
	Limassol	*	*	*	*	*	1019·5	-1	63	-7	Calm	0	-	b	0	-	84	55				
	Alexandria ...	1018·6	75	Calm	0	bc	1019·9	0	70	-3	SE	2	-	b	1	-	88	66				
	Cairo (Helwan) ...	1018·0	77	N	2	b	1018·2	+2	75	0	ENE	3	-	b	*	-	88	72				

Aurora seen –
Lerwick, 18 – 21 h.
Aberdeen, evening and night.
Deerness, 18 h.

LONDON 13th Nov., 9h. G.M.T.	Humidity. 15 h. %	Humidity. 9 h. %	Sunshine for 12th Hours.	24 hours ended 9 h. 13th: Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	92	100	0·0	51	35	29	0	om	ome	of
CITY (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	87	100	0·0	51	35	31	0	0	0	fe
CAMDEN SQ. (British Rainfall) ..	92	100	0·0	51	37	34	0	0	0	*
HAMPSTEAD (Reservoir)	*	98	0·0	48	33	25	trace	om	m	oxme
S. KENSINGTON (Museum Grounds)	*	96	0·0	51	37	30	trace	om	om	c,bc,bme

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 12th:

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
? 180	5·4	17·5

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

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 Meteorological Office.

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,446. WEDNESDAY, 14TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

Temperature again rose to 50° or above in most parts of the British Isles, touching 56° at Weymouth and 57° at Banff. Very slight rain fell in the North and West, and except at Worthing, Malvern, and at some Welsh stations there was very little sunshine. In many localities there was none. Mist and fog were more or less prevalent over a very large area.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 13TH NOVEMBER

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 13TH
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	-	Trace	57	42	or.o	o.c	0·0
	Montrose	-	-	52	45	0	0	0·0
	St. Andrews							
Eng. N.E.	Harrogate	-	-	50	40	b	bc	3·3
	Skegness	Trace	Trace	44	30	0	0	0·6
England, E.	Felixstowe	Trace	-	44	32	f	f	0·0
	Walton-on-Naze							
	Southend-on-Sea	-	-	45	35	o.fe	c.o.fe	0·2
England, S.E.	Margate	-	-	50	42	o.f	c	0·3
	Hastings	Trace	-	49	41	f.m	f.o.g	0·0
	Eastbourne	-	-	44	37	o.bc	c.f	1·3
	Seaford	*	*					
	Brighton							
	Worthing	-	-	51	39	b	b.f	6·0
	Littlehampton							
	Bognor	*	*					
	Bournemouth	Trace	-	48	39	f.c	f	0·8
Scotland, W.	Oban	-	10	52	40	or	or	0·0
Eng. N.W.	Morecambe	-	-	49	38	*	*	0·0
	Southport	-	-	47	39	f.o.c.bc	bc.c.bc.b	0·0
Midlands.	Ross-on-Wye	-	-	44	33	f.o	m.c	1·0
	Malvern	-	-	46	33	b'm	b	6·0
Wales.	Rhyl	-	-	54	36	bc	bc	4·0
	Colwyn Bay	-	-	54	?33	bc	bc	4·2
	Llandudno	*	*	54	37	c	bc	3·8
	Aberystwyth	*	*	50	39	o.c	bc. o	0·8
England, S.W.	Weymouth	*	*	56	39	bc. c	bc	3·3
	Torquay	Trace	-	51	43	c.o.c	o	0·2
	Paignton	*	*					
	Penzance	Trace	-	52	49	o	o	0·0
	Newquay	Trace	-	52	47	o	o	0·3
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 13TH NOVEMBER

	STATIONS.	Evening of 12TH: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 13TH: Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel							*							*	
	Gorki							*							*	
	Velieki Luki							*							*	
	Hangö														*	
	Petrograd															
	Moscow														*	
	Kiev														*	
	Kharkov														*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1011·0	54	ENE	2	0	1012·6	*	54	+2	ENE	2	0	2	54	50
	Turin	1012·7	52	-	0	0	1015·5	*	48	+7	-	0	r	6	54	45
	Pesaro	1007·0	57	NE	2	0	1010·5	*	55	+5	-	0	0	6	61	55
	Leghorn	1005·0	57	NE	2	bc	1009·0	*	?		-	0	b	1	57	50
	Rome	1005·3	55	-	0	c	1007·9	*	48	-6	N	1	0	5	63	48
	Viesti	1007·1	61	ESE	6	bc	1012·6	*	54	-5	ENE	2	0	2	?	50
	Brindisi	1004·3	57	NNE	7	c	1010·7	*	59	-5	NNE	2	0	?	64	57
	Cagliari	995·7	57	SW	5	r	1003·0	*	54	+2	NE	3	c	8	63	48
	Palermo	1002·9	55	ENE	4	b	1006·3	*	54	0	NE	3	r	5	63	48
	Tripoli						1014·2	*	55	-2	SSW	3	b	-	72	46
	Algiers	1009·9	57	WNW	4	bc	1012·2	+3	50	+2	WSW	4	r	11	57	48
Sweden	Hernösand						1017·2	*	26		-	0	b	*	*	*
	Stockholm						1019·2	*	34		SW	2	f	*	*	*
	Wisby						1020·6	*	41		SW	2	o	*	*	*

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	985·4	27	-7	NE	6	s
Reykjavik	988·8	34	-5	SSW	2	bc
Vestmanna	991·9	36	+5	SW	1	o
Seydisfjord	986·6	30	-2	W	9	b
Thorshavn	997·7	45	+1	W	6	o

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

14TH and 15TH NOV. 1917.		Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	14th	7.14	11.38	4.2
	15th	7.16	11.38	4.0
Greenwich	14th	7.18	11.45	4.12
	15th	7.20	11.45	4.10
Wick	14th	8.0	11.57	3.53
	15th	8.3	11.57	3.51
Valencia	14th	8.1	12.26	4.51
	15th	8.3	12.26	4.49

Printed at the Meteorological Office, South Kensington, London, S.W. 7.
By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

‡ The barometric change is expressed in half-millibars

THE MORNING OF WEDNESDAY, 14TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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 ≈≈.

LOW

HIGH

LOW

LOW

Barometer falling

Barometer rising

1000 mb

1005 mb

1010 mb

1015 mb

1020 mb

1025 mb

1020 mb

1025 mb.

29.63 in.

29.53 in.

29.83 in.

29.97 in.

30.12 in.

30.27 in.

29.97 in.

30.12 in.

40°

50°

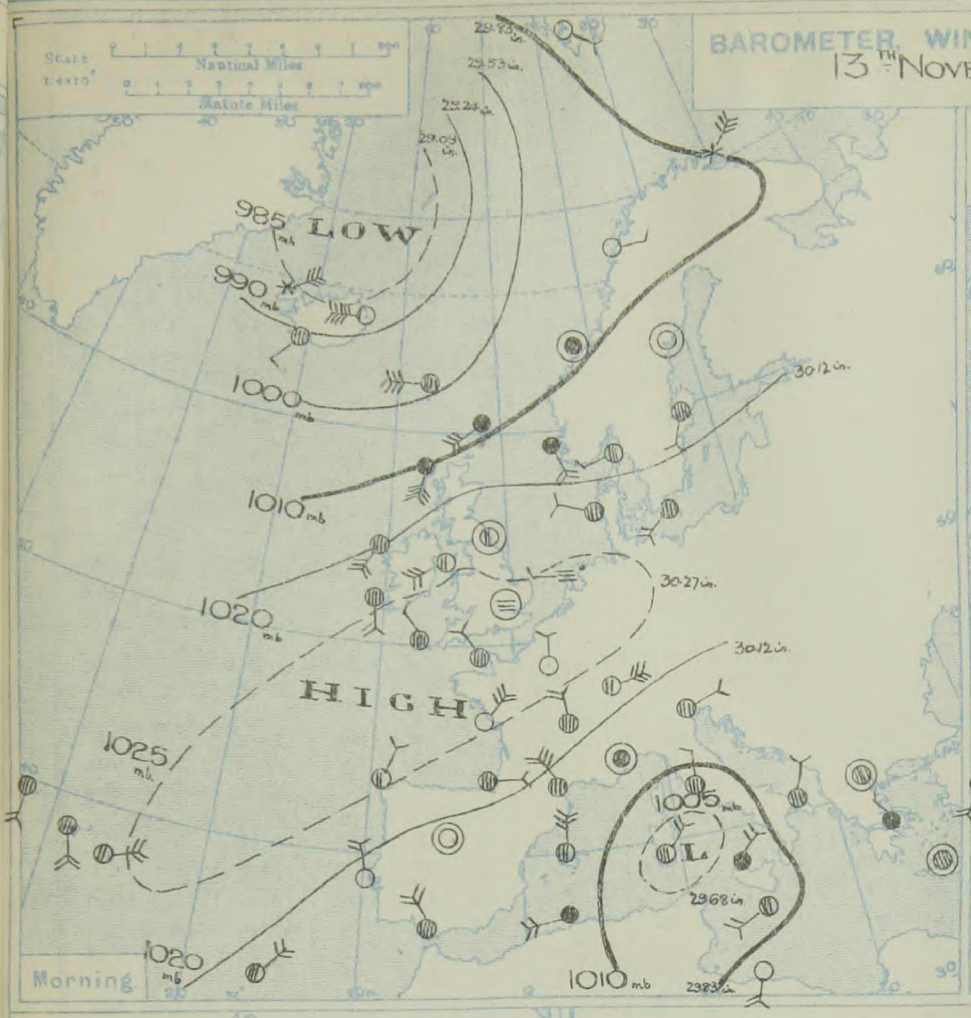
60°

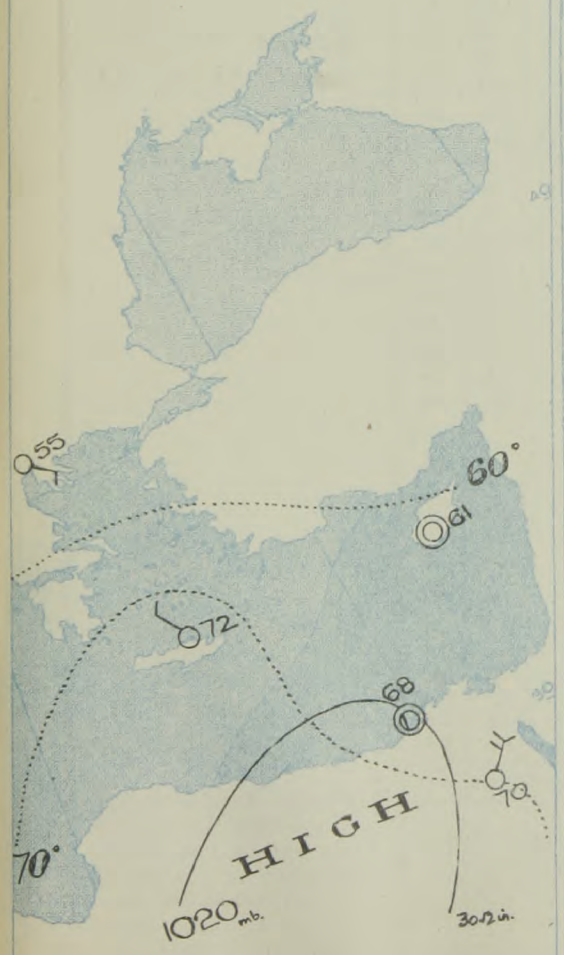
SCALE 1 : 8 × 10⁶
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

Below 50° | 50°-60° | 60°-70° | Above 70°

Scale of Tints for NOVEMBER.





The Present Situation

The general distribution of pressure has changed very little since yesterday, but it has been sufficient to cause the general direction of the wind to become more Westerly in Ireland and Scotland, as well as over the North Sea region.

Rain, apparently due to a slight irregularity in pressure, is falling at Liverpool and Pembroke, but in the West and North of the British Isles as a whole the sky is fairly clear. In the East and South, however, there is much cloud and mist and fog is also prevalent.

The General Outlook

There are no indications of any change to a less settled type of weather. For the moment the increase of pressure in the North and West of these Islands seems to indicate a strengthening of the anticyclonic conditions.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No.318.

Wednesday, 14TH NOVEMBER.

	STATIONS.	EVENING OF 13TH: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF 14TH: 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.	24 HOURS ENDED 7 A.M. 14TH: Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Hours.
BRITISH ISLANDS.	Lerwick ...	1010·7	47	W	2	om	1010·1	0	45	-5	W	4	NW	c	3	6	50	41	omd	om	bc,op	*
	Deerness (Orkney)	1013·2	46	W	2	odp	1013·5	*	44	-5	W	4	-	bc	3	7	52	43	oe	oe	o,cp,bc	0·0
	Stornoway ...	1015·2	47	WNW	3	bc	1019·1	+3	44	-8	WNW	6	-	bq	5	3	52	42	odp	odp, bc	bc,bq	0·0
	Castlebay (Barra Isd.)																					
	Glasgow ...	1019·2	50	SW	3	om	1021·6	+4	45	+1	W	1	NW	cm	*	6	50	42	bc,c,or	omr, op	omp,bc	0·0
	Eskdalemuir ...	1021·2	47	SSW	5	ofe	1022·5	+4	42	-2	NW	2	-	bc	*	4	50	41	om,ome	ofe	orm,bc	0·0
	Malin Head ...	1017·9	52	SW	4	omqd	1023·3	+3	47	-2	WSW	4	W	bc	4	1	55	45	cq	cqp	bc	0·8
	Blacksod Point	1019·4	50	SW	4	ofr	1026·2	+3	46	-4	W	2	NW	bcm	3	3	53	44	ogm	ofd	ofd,bc	*
	Valencia (Cahirciveen)	1024·3	53	S	4	od	1027·3	+3	48	-2	NNE	2	-	bc	3	3	54	48	o,c	c,od	od,e,bc	
	Roche's Point	1025·9	48	SW	1	f	1026·3	*	48	+4	NW	1	NW	b	1	1	51	44	fe	fe	fe,b	*
	Birr Castle ...	1023·2	52	SSW	1	c	1027·1	*	45	+6	WNW	1	-	o	*	1	54	39	c	c	cp,o	0·7
	Donaghadee ...	1019·8	49	SSW	3	cgm	1024·1	+3	46	+3	NW	3	NW	bcm	2	-	52	43	ogm	ogm	bcmp	*
	Liverpool (Bidston)	1024·6	46	SSW	1	c	1023·2	+4	49	+11	SW	3	SW	r	2	1	50	38	f,bm	bm	b,or	2·7
	Holyhead ...	1024·3	49	SW	5	fe	1023·6	+1	50	+1	N	4	-	o	3	1	52	48	bc,c,o	o,c,ofe	bcf,op	0·0
	Pembroke (St. Ann's)	1026·5	48	SSW	2	o	1025·4	-1	51	+3	SW	3	-	odm	2	0·2	51	46	c,o,c	c,o	opam	0·5
	Hartland Quay	1027·5	49	W	3	o	1026·5	-1	49	-1	SW	4	-	o	3	-	51	48	o	o,odm	o	*
	Scilly (St. Mary's)	1028·2	46	NW	1	o	1027·7	0	48	-1	W	1	-	f	3	0·2	51	45	o	o,c,o	fe	0·4
	Falmouth ...	1027·6	49	NNW	1	om	1027·0	0	44	-4	W	2	-	fe	*	-	52	41	o	o,c,o	om,ofe	0·1
	Jersey (St. Aubin)	1027·0	51	ENE	2	o	1026·6	*	49	0	WNW	2	-	oe	1	-	54	47	o,c,o	o	c,oe	0·1
	Portland Bill ...	1026·6	50	WNW	1	c	1025·4	0	46	+2	NW	2	-	o	2	-	54	44	bc,c	c	bc,c,o	*
	Dungeness ...	1026·3	42	W	1	f	1024·1	-1	43	+2	WSW	2	SW	c	1	0·2	47	?41	f	f	f,c	*
	Dover	*	*	*	*	*											*	*				
	Wick	1013·9	47	WNW	1	r	1015·5	0	42	-8	WNW	3	-	bcm	2	2	53	39	ogm	ogmd	od,bcp	*
	Nairn	1014·1	52	W	1	o	1017·5	*	41	-10	W	1	-	bc	1	3	54	39	cg	cd,o	od,cp	0·0
	Aberdeen	1015·2	50	Calm	0	o	1018·1	+2	43	-6	WSW	3	-	b	2	1	52	42	oj	oj,p	op,bc,b	0·0
	Leith	1017·0	54	SW	2	c	1020·3	+3	43	-2	SW	1	-	b	2	1	55	43	o,c,bcp	o,cq,o,c	c,o,bc,b	*
	Tynemouth ...	1021·2	49	WSW	2	bcm	1019·8	0	50	+9	NW	2	NW	bcm	3	-	53	?41	bcf	bcm	bcm	*
	Spurn Head ...	1024·3	44	Calm	0	bm	1021·5	-2	42	+2	WSW	2	-	ome		-	46	40	bcm	bcm	bcm	1·7
	Yarmouth (Gorleston)	1024·5	42	WSW	2	b	1021·8	-1	40	+7	W	2	-	f	2	-	50	33	bcm	bm	om,f	3·5
	Clacton-on-Sea	1026·2	39	WNW	2	f	1023·7	-1	43	+7	WNW	2	-	m	1	0·4	43	36	ogfe	ogfe	ogfe,m	0·0
	Nottingham ...	1024·8	40	WSW	1	b	1023·0	*	43	+5	SW	2	W	om	*	-	50	36	f,c	c,b	bc,of	1·3
	Benson (Oxon.) ...	1026·4	44	SW	1	m	1025·3	+1	45	+6	WSW	2	-	om	*	0·1	45	36	of	om	bc,om	*
	Sth Farnborough	1027·2	43	W	1	o	1025·5	0	44	+4	WNW	2	-	om	*	-	52	34	of,bcm	bc,om	o,bf,om	2·8
	Salisbury Plain	1026·8	45	W	2	o	1025·3	-1	46	+4	W	3	SW	o	*	trace	47	41	o	o	o	*
	London (Kew Obsy.)	1027·0	44	WSW	2	om	1025·0	0	44	+6	WSW	2	-	om	*	0·1	46	38	fe,f	f,om	om,bf,om	
NORTHERN EUROPE.	Spitsbergen ...	1009·5	7	Calm	0	b	1005·4	0	21	0	SE	6	*	bc	*	*	21	3				
	Vardö	1013·4	32	NE	4	o	1008·2	-5	32	?	SE	6	-	o	5	*	32	30				
	Bodö	1019·5	43	SW	6	r	997·8	-3	41	+7	SW	5	-	c	3	25	43	34				
	Christiansund ...	1007·2	46	Calm	0	r	1005·0	-3	46	+1	Calm	0	-	o	3	8	53	45				
	Skudesnaes ...	1015·8	48	SE	4	r	1011·6	-3	43	-2	NW	3	-	c	3	7	48	?43				
	Færder (X'tiania Fjord)	1014·6	45	SSW	2	m	1009·4	-2	45	+9	WSW	2	-	m	2	1	45	36				
	The Scaw (Skagen)	1017·2	46	SW	3	o	1012·4	-3	46	+1	SW	3	-	r	3	1	50	43				
	Blaavands Huk	1021·1	48	WSW	2	m	1016·7	-2	48	+2	W	2	-	f	*	2	50	45				
	Copenhagen ...	1022·6	45	SW	2	m	1017·6	-3	45	+2	SW	3	-	f	*	-	46	43				
	Bornholm ...	1023·1	45	W	2	m	1019·0	+3	43	0	WSW	5	-	o	1	-	46	41				
FRANCE, &c.	The Helder ...	1025·1	48	SW	3	b	1021·6	-1	46	+3	SW	2	-	o	1	-	50	37				
	C. Gris Nez ...	1026·8	48	SW	1	bc	1024·4	-1	48	?	W	4	*	o	2	-	57	?45				
	La Hève	1026·0	48	ENE	1	m	1025·6	*	43	-3	Calm	0	*	m	0	-	59	43				
	Brest (St. Mathieu)	1028·6	49	E	1	o	1028·0	+1	50	+1	Calm	0	*	o	1	-	52	48				
	Rochefort (Ile d'Aix)	1024·8	48	NNE	5	b	1025·6	0	41	+2	NE	5	*	bc	*	-	54	39				
	Biarritz	1023·2	49	NNW	3	c	1024·0	0	46	+8	E	1	*	c	2	-	54	?38				
	Paris	1026·4	39	NNE	2	b	1026·3	0	32	+2	NNE	1	-	f	*	-	50	30				
	Belfort	1024·8	30	E	6	m	1025·8	*	30	-4	E	4	*	m	*	-	39	28				
	Lyons	1020·8	41	NNW	5	o	1023·8	*	32	-4	NNW	3	*	o	*	-	43	32				
	Nice												*									
	Perpignan ...	1017·8	46	NW	1	c	1017·9	+2	46	0	NW	4	-	b	*	-	54	32				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1023·6	57	NNE	5	b	1025·5	-2	54	-1	SE	1		c	2	-	57	?50				
	Madrid	1016·3	55	ENE	3	b	1023·0	-3	37	-2	Calm	0	-	b	*	-	57	32				
	Lisbon	1016·8	61	N	3	b	1019·8	+1	48	-7	NNW	2	-	b	*	-	63	46				
	Azores (Horta) ...	1022·1	*	SSE	5	c	1018·3	0	63	0	SSW	6	*	o	4	1	66	61				
	Madeira	1017·0	64	NE	4	bc	1018·4	+2	61	-2	NE	4	N	c	4	-	68	61				
	Gibraltar	1016·6	59	E	5	b	1017·6	*	55	+4	E	4	*	b	3	-	66	50				
	Malta	*	*	*	*	*	1016·3	+6	63	+2	WSW	2	-	b	1	-	64	59				
	Limassol	*	*	*	*	*	1019·6	0	61	-2	Calm	0	-	b	0	-	82	54				
	Alexandria ...	1021·1	72	NE	2	b	1020·4	0	68	-2	Calm	0	-	b	0	-	86	64				
	Cairo (Helwan) ...	1019·6	73	Calm	0	b	1018·8	+2	70	-5	NE	3	-	b	*	-	88	64				

Aurora seen at Lerwick, 20-23h.

LONDON 14TH NOVR. 9h. G.M.T.	Humidity. 15 h. 13TH	Humidity. 9 h. 14TH	Sunshine for Hours.	24 Hours ended 9 h. 14TH: Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	% 99	% 98	0·0	47	37	28	-	om	cm	om
CITY (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	99	96	0·0	46	39	32	-	f	f	fe,oe
CAMDEN SQ. (British Rainfall) ...	100	98	0·0	46	39	35	-	fe,m	m,o	*
HAMPSTEAD (Reservoir)	*	100	0·0	44	37	26	trace	ome	bmxe	oxme
S. KENSINGTON (Museum Grounds)	*	91	0·0	47	40	34	0·1	om	f	o,om

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 13TH:

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
110	3·5	6·5

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

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 Meteorological Office.

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20447. THURSDAY, 15TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

Little rain fell in any district, but the weather was dull and misty in the South-East of England, where no sunshine was recorded. Elsewhere records showed 4 to 6 hours, with more than 7·5 hours at Valencia and Holyhead. Day temperature approached 58°. Night frosts were experienced at inland stations.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 14TH NOVEMBER.

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 14TH
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	1	1	49	40	b	bcr.bc	6·7
	Montrose	1	-	52	40	b	b	7·0
	St. Andrews	-	-	52	38	b	b	6·7
Eng. N.E.	Harrogate	-	-	52	42	b	b	5·8
	Skegness	-	Trace	52	33	o	b	3·2
England, E.	Felixstowe	Trace	-	49	35	f.o.m	om.bcm	0·0
	Walton-on-Naze							
	Southend-on-Sea	-	-	52	39	○	○	0·2
England, S.E.	Margate	-	-	50	40	o	o	0·0
	Hastings							
	Eastbourne	-	-	52	38	om	o.c	0·0
	Seaford	*	*	52	40	m	m	0·1
	Brighton							
	Worthing	-	-	53	37	o	o	0·0
	Littlehampton							
	Bognor	*	*					
	Bournemouth	-	1	53	41	o	o	0·2
Scotland W.	Oban	2	Trace	49	46	bcp	bcp	2·2
Eng. N.W.	Morecambe	5	-	48	45	*	*	6·6
	Southport	2	-	49	39	bc.b	bc.b	5·7
Midlands.	Ross-on-Wye	-	-	54	32	m.c	c.bc	0·6
	Malvern	-	-	53	42	c.bc	bc.b	3·0
Wales.	Rhyl	1	-	50	41	b	bc	4·5
	Colwyn Bay	1	1	51	45	bc	c.o	4·5
	Llandudno	*	*	53	46	c.b	b	6·4
	Aberystwyth	*	*	49	46	r.o.c	bc.c	4·0
England S.W.	Weymouth	*	*					
	Torquay	-	-	55	40	o.bc.	c.o	1·8
	Paignton	*	*					
	Penzance	-	-	54	46	of.c	of	0·0
	Newquay	-	1	52	45	fc	fc	0·0
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 14TH NOVEMBER.

	STATIONS.	Evening of 13TH: Barom. Millibars at M.S.L.	Temp.	Wind: Direc.	Wind: Force 0–12.	Weather.	Morning of 14TH: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel							*							*	
	Gorki							*							*	
	Velieki Luki							*							*	
	Hangö														*	
	Petrograd															
	Moscow														*	
	Kiev														*	
	Kharkov														*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1013·0	52	E	4	r	1015·3	*	50	-4	NNE	1	0	4	55	50
	Turin	1015·3	50	-	0	b	1016·7	*	48	0	-	0	0	1	54	43
	Pesaro	1009·3	55	ENE	3	r	1011·5	*	50	-5	-	0	r	20	61	48
	Leghorn	1009·7	54	ENE	1	r	1010·6	*	54		NE	1	c	5	59	52
	Rome	1009·3	52	-	0	0	1011·0	*	52	+4	E	1	r	14	57	48
	Viesti	1010·9	55	SE	6	c	1012·3	*	55	+1	-	0	b	12	61	50
	Brindisi	1011·7	59	S	2	r	1012·2	*	59	0	SE	1	b	14	?64	57
	Cagliari	1008·1	59	W	4	c	1012·3	*	52	-2	NW	4	b	-	61	46
	Palermo	1007·4	52	-	0	0	1014·7	*	57	+3	ENE	1	b	4	57	43
	Tripoli						1020·2	*	50	-5	S	1	b	-	*	45
	Algiers	1014·7	54	N	3	0	1017·7	+1	54	+4	W	6	c	24	61	50
Sweden	Hernösand	1002·2	34	-	0	0	1007·0	*	36	+10	-	0	c	*	*	*
	Stockholm	1018·6	39	SSW	2	0	1012·4	*	41	+7	SSW	2	0	*	*	*
	Wisby	1021·6	43	SW	2	0	1016·8	*	43	+2	SSW	4	0	*	*	*

Morning of 14TH:

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	999·5	30	+3	-	0	s
Reykjavik	1005·9	34	0	-	0	0
Vestmanna	1006·7	36	0	W	4	r
Seydisfjord	1005·2	21	-9	NW	6	b
Thorshavn	1003·5	42	-3	W	6	0

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

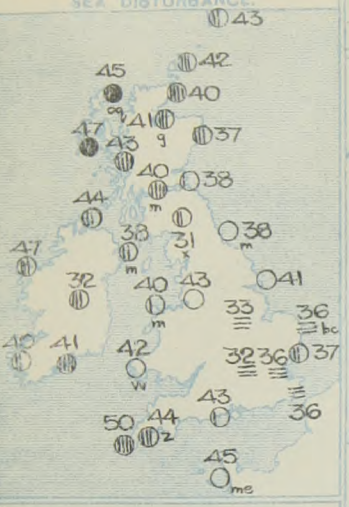
15TH and 16TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·16	11·38	4·0
	7·17	11·38	3·59
Greenwich	7·20	11·45	4·10
	7·21	11·45	4·9
Wick	8·3	11·57	3·51
	8·5	11·57	3·49
Valencia	8·3	12·26	4·49
	8·4	12·26	4·48

Printed at the Meteorological Office, South Kensington, London, S.W. 7.
By WYMAN & SONS LTD., Fetter Lane, London, E.C., and Reading.

‡ The barometric change is expressed in half-millibars

THE MORNING OF THURSDAY, 15TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



FORECAST 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 ≈≈≈.

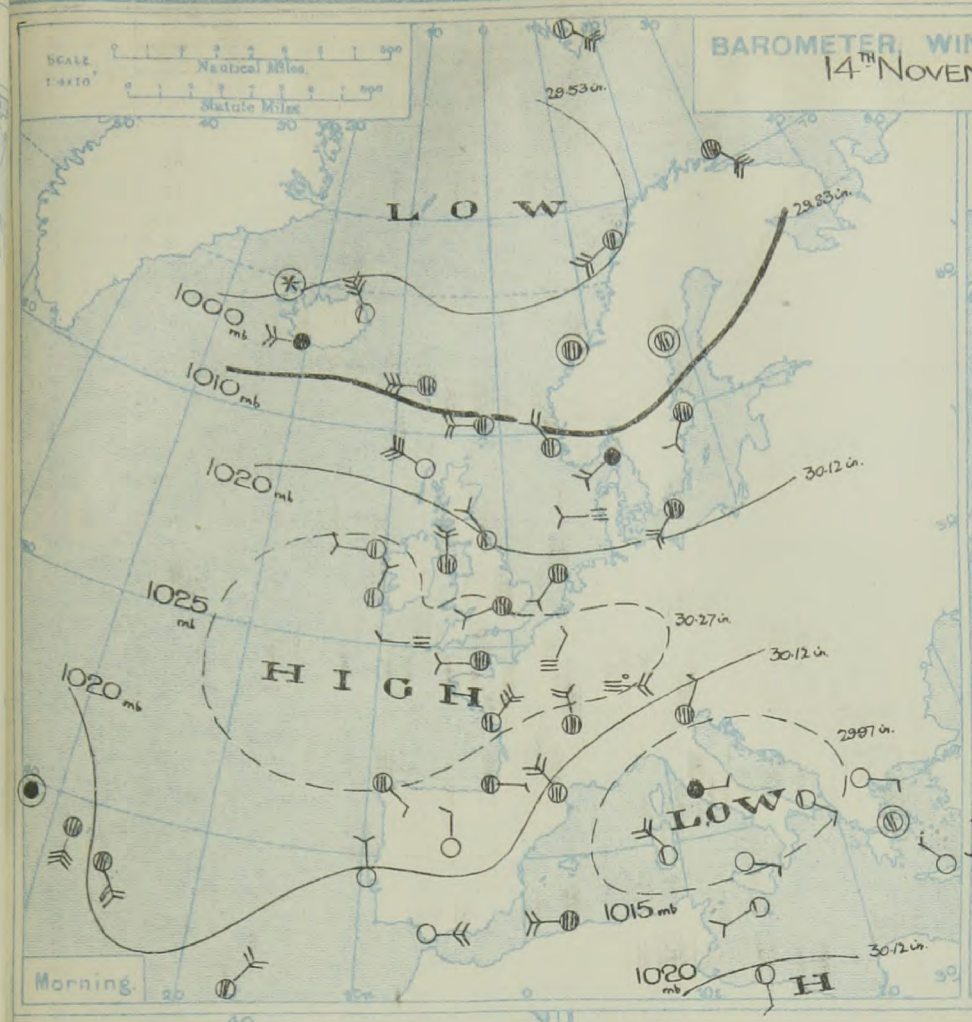
1010 mb
1005 mb
1000 mb
995 mb
LOW
29.83 in.
29.68 in.
29.53 in.
29.38 in.
29.23 in.
29.08 in.
30.42 in.
30.27 in.
30.12 in.
40° 39
37
32°
25
43
36
1000 mb
1005 mb
1010 mb
1015 mb
1020 mb
1025 mb
1030 mb
Bar. steady
Barometer
rising slowly
HIGH
50°
40°
32°
LOW
1020 mb.
1025 mb
63
LOW

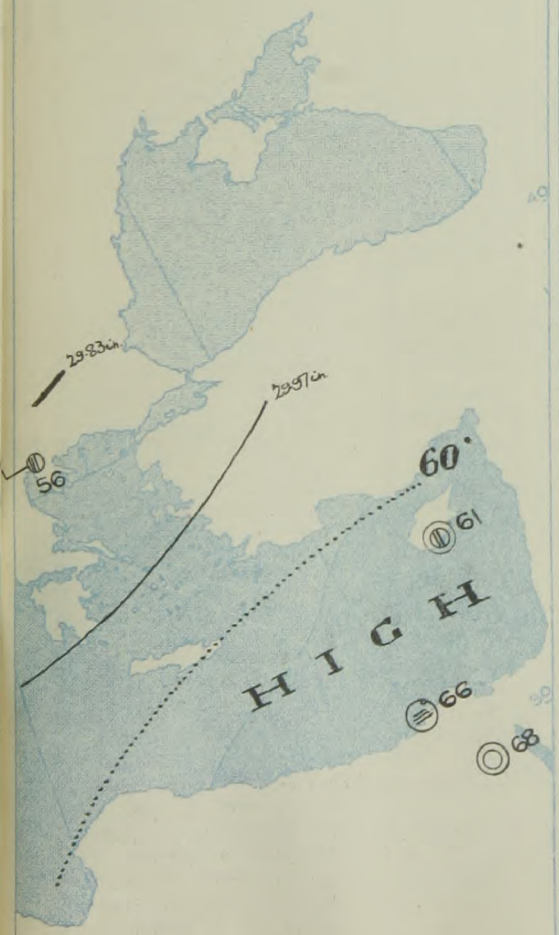
SCALE 1 : 2 : 10°
Nautical Miles 0 1 2 3 4 200
Statute Miles 0 1 2 3 4 200

Normal Temperature of the Sea.

Below 50° | 50°-60° | 60°-70° | Above 70°

Scale of Tints for NOVEMBER.





The Present Situation

An anticyclone covers England, Ireland and the Bay of Biscay. A depression lies to the Northward of Scotland and is causing a moderate SW. breeze in the Hebrides with rain in that region and also at Farôe. Another depression lies over the Baltic. A fresh NW. wind is blowing over the Eastern North Sea while over England winds are very light and variable in direction. There is much mist and fog from the Midlands to Flanders.

The General Outlook

The anticyclone is drifting slowly eastwards but is likely to continue its influence over the South of the country for the present. The north will be affected by depressions moving eastwards from the Icelandic region.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 319. Thursday, 15TH NOVEMBER.

	STATIONS.	EVENING OF 14TH					MORNING OF 15TH									24 HOURS ENDED 7 A.M. 15TH						Sunshine for
		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 ...	1016·1	44	NW	4	bc	1023·3	+1	43	-2	NW	2	-	bc	2	2	46	40	bcp	bc	bc	*
	Deerness (Orkney)	1020·3	41	WNW	4	bc	1025·4	*	42	-2	SW	2	-	c	1	1	46	40	c,bcp	bcp	bc	4·3
	Stornoway ...	1024·9	42	WNW	5	bq	1026·2	0	45	+1	SSW	5	-	orq	4	4	48	37	bcpq	bpq	b,orq	4·4
	Castlebay (Barra Isd.)	1028·5	47	W	3	bc	1029·6	0	47	?	SW	4	-	r	4	0·3	50	45	bc	bc	bc,b,or	4·5
	Glasgow ...	1026·0	45	W	3	b	1030·2	+1	40	-5	SW	1	N	om	*	0·2	49	38	c,bc,b	bc,cp,b	b,bc,cm	5·0
	Eskdalemuir ...	1027·5	42	SW	2	bc	1031·9	+3	'31	-11	Calm	0	NW	bcx	*	-	49	30	bc,c,bc	bc	b,bx	4·0
	Malin Head ...	1027·9	48	NW	4	bc	1029·3	0	44	-3	W	3	W	bc	4	-	50	42	bc	bc	bc	3·5
	Blacksod Point	1030·0	46	SW	3	bc	1029·3	0	47	+1	S	3	S	cg	3	-	50	43	bcj	bcj	bc,cg	*
	Valencia (Cahirciveen)	1030·5	45	SSW	1	b	1032·1	+1	40	-8	E	2	-	bc	3		54	37	bc,b	b	b,bw	7·6
	Roche's Point	1030·6	41	ENE	1	b	1032·9	*	41	-7	NNW	1	-	o	1	trace	53	39	b	b	bf,om	*
	Birr Castle ...	1030·3	41	N	1	m	1032·2	*	32	-13	S	1	-	c	*	-	51	31	c	f	cx	5·2
	Donaghadee ...	1028·3	45	SW	2	bcm	1031·0	0	38	-8	S	2	-	m	2	-	50	38	bcm	bcm	bm,bc,c	*
	Liverpool (Bidston)	1029·0	46	W	3	b	1031·8	+2	43	-6	WSW	1	-	b	2	1	50	41	o,b	b	b	5·1
	Holyhead ...	1029·3	49	N	4	b	1031·6	+2	40	-10	S	1	-	bm	0	trace	54	39	o,bc,b	bc,c,b	bxm	7·7
	Pembroke (St. Ann's)	1029·0	46	NNE	2	b	1032·5	+2	42	-9	E	2	-	bw	1	0·4	52	41	odpm,c	c,bc,b	bw	1·8
	Hartland Quay	1028·9	52	NNE	3	bc	1032·5	+1	43	-6	E	2	-	b	2	2	53	42	o,odm,f	o,odm,o	b	*
	Scilly (St. Mary's)	1029·0	51	Calm	0	fe	1032·1	+1	50	+2	Calm	0	-	o	3	1	53	45	fe	fe	om,bc,o	0·0
	Falmouth ...	1029·0	52	WNW	2	ofe	1032·2	+2	44	0	NE	2	-	c3	*	trace	54	41	ofe,cm	om,ofe	ofe,cj	0·5
	Jersey (St. Aubin)	1028·0	52	W	2	od	1031·2	*	45	-4	NE	1	-	bme	1	1	55	45	o,c,bc,c	c,bc,od	o,bcm	2·7
	Portland Bill ...	1026·8	52	NW	3	c	1031·5	+3	43	-3	NE	2	-	b	2	-	54	40	o,c	c	bc	*
	Dungeness ...	1026·2	50	W	2	o	1029·8	0	36	-7	NW	3	-	f	3	-	51	36	c,o	o	bc,bcm	*
	Dover	*	*	*	*	*													*	*		
	Wick	1022·0	41	WNW	3	bcmp	1027·0	+2	40	-2	W	2	-	o	2	3	46	38	bcmp	bcmp	bcp,og	*
	Nairn	1024·5	43	W	1	og	1028·0	*	41	0	Calm	0	-	cg	1	0·3	47	35	bc	bc,cp	c,bc	4·2
	Aberdeen	1023·7	42	W	2	b	1028·7	+1	37	-6	W	2	-	c	2	-	50	37	b,bq	bq,b	bq,bc,c	6·2
	Leith	1025·5	45	W	1	b	1029·8	+1	38	-5	W	1	W	b	1	-	51	37	b	b,bc,b	b,bw,b	*
	Tynemouth ...	1024·9	46	NW	2	bm	1030·0	+1	38	-12	NW	2	-	bm	2	-	51	37	bc	bm	bm	*
	Spurn Head ...	1025·7	47	WNW	3	b	1030·4	+3	41	-1	NW	4	-	b	2	trace	49	40	bm	m,bc	b	2·7
	Yarmouth (Gorleston)	1025·0	43	NW	4	bm	1029·5	+2	36	-4	NW	2	-	bcf	2	-	49	36	f,o	o,bcm	bm	0·0
	Clacton-on-Sea	1025·4	50	WNW	2	o	1030·4	+3	37	-6	NW	3	-	bc		-	50	36	ogm	og	og,c,bc	0·0
	Nottingham ...	1027·1	46	W	2	b	1031·6	*	33	-10	W	1	-	f	*	-	52	32	o,c	c,o,b	b	0·0
	Benson (Oxon.) ...	1027·2	43	Calm	0	b	1032·0	+3	32	-13	Calm	0	-	fxe	*	0·1	52	29	om	om	bc,ofx	*
	Sth Farnborough	1027·3	47	WNW	2	b	1032·4	+2	36	-8	WNW	2	-	ofe	*	trace	53	34	om	o,bm	bm,ofe	0·0
	Salisbury Plain	1027·9	48	NW	2	c	1032·6	+3	34	-12	NW	2		bm	*	trace	51	34	od	u	bmw	*
	London (Kew Obsy.)	1027·2	48	NW	1	bm	1032·5	+2	36	-8	WSW	1	-	fw	*	trace	49	35	om,o	om,bm	bm,fw	0·0
NORTHERN EUROPE.	Spitsbergen ...	1007·1	10	E	?	b	1014·7	+4	-2	-23	Calm	0	*	b	*	*	21	-4				
	Vardö	996·0	32	S	4	o	996·2	0	28	-4	S	5	-	o	3	*	45	28				
	Bodö †	996·7	41	SW	5	r	996·4	0	37	-4	SW	5	-	r	4	?	41	36				
	Christiansund † ...	1007·2	41	SW	4	o	1014·3	+3	39	-7	NW	4	-	c	4	9	46	36				
	Skudesnaes ... Færder (X'iania Fjord)																					
	The Scaw (Skagen)	1007·0	45	WSW	4	bc	1013·4	+5	45	-1	N	5	-	b	5	3	48	43				
	Blaavands Huk	1015·2	46	NNW	3	c	1019·0	+2	45	-3	NNW	6	-	c	*	trace	50	43				
	Copenhagen ...	1010·3	48	WNW	3	r	1012·3	+4	43	-2	NW	3	-	b	*	5	48	43				
	Bornholm ...	1009·8	43	WSW	6	f	1009·4	+2	43	0	NW	5	-	c	1	3	46	39				
FRANCE, &c.	The Helder ...	1022·2	48	NNW	4	bc	1026·6	+3	46	0	NNW	4	-	c	3	trace	48	46				
	C. Gris Nez ...	1025·5	51	NNW	3	f	1030·3	+3	44	-4	N	4	*	m	3	-	55	43				
	La Hève	1026·6	48	N	2	m	1029·9	*	46	+3	NNE	3	*	m	2	1	52	43				
	Brest (St. Mathieu)	1029·8	51	NNW	1	b	1032·2	+2	51	+1	NW	1	*	m	1	-	54	48				
	Rochefort (Ile d'Aix)												*		*							
	Biarritz	1025·2	52	NNE	2	b	1029·1	+2	45	-1	S	2	*	o	2	-	54	43				
	Paris	1026·6	41	SSE	1	f	1030·0	+4	45	+13	NNE	2	-	b	*	-	45	32				
	Belfort	1013·0	34	E	3	m	1028·0	*	32	+2	WSW	5	*	f	*	-	41	28				
	Lyons	1025·9	32	Calm	0	b	1029·1	*	32	0	Calm	0	*	r	*	-	43	31				
	Nice	1016·6	53	Calm	0	o	1016·4	-1	49	?	Calm	0	*	b	2	-	61	45				
	Perpignan ...	1019·9	50	NW	4	b	1023·0	+3	52	+6	NW	5	-	b	*	-	55	34				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1023·6	59	NE	6	b	1028·7	+2	48	-6	SE	1	-	b	2		59	43				
	Madrid	1020·0	55	Calm	0	b	1028·6	+4	41	+4	Calm	0	-	b	*	-	57	36				
	Lisbon																					
	Azores (Horta) ...	1019·2	*	SSE	5	o	1019·5	0	63	0	SSE	5	*	bc	3	1	68	63				
	Madeira	1019·2	66	NE	3	o	1023·0	-1	59	-2	NE	2	-	bc	2	-	70	57				
	Gibraltar	1020·3	57	SE	3	b	1023·0	*	58	+3	E	4	*	b	3	-	61	54				
	Malta	*	*	*	*	*	1015·9	0	59	-4	W	3	-	c	1	-	66	57				
	Limassol	*	*	*	*	*	1018·2	0	61	0	Calm	0	-	bc	0	-	82	54				
	Alexandria ...	1020·0	70	NE	1	b	1018·0	0	66	-2	Calm	0	-	m	0	-	79	64				
	Cairo (Helwan) ...	1017·9	72	NE	3	b	1016·2	0	68	-2	Calm	0	-	b	*	-	84	64				

LONDON 15TH NOVR. 9h. G.M.T.	Humidity. 15 h. 14TH	Humidity. 9 h. 15TH	Sunshine for 14TH	24 Hours ended 9 h. 15TH. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	85	91	0·0	53	31	25	-	om	om	bm,cm
CITY (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	81	64	0·0	54	34	28	-	om	f,m	m
CAMDEN SQ. (British Rainfall) ..	93	97	0·0	53	34	30	-	-	-	*
HAMPSTEAD (Reservoir)	*									
S. KENSINGTON (Museum Grounds)	*	95	0·0	54	36	29	trace	o	om,bm	b,om

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during .. 14TH

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
140	4·5	15

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

BEAUFORT NOTATION.

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

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 Meteorological Office.

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,448. FRIDAY, 16 NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

The day was mild generally, maxima of 50° being common even in the north of Scotland, but in the East and South-East of England colder conditions prevailed. The temperature fell below 32° at night at Eskdale, Farnborough, and Benson. At Lerwick 16 mm. of rain fell, but elsewhere there was little or none. At several coast stations there was a total of 6 or 7 hours of bright sunshine. Fog occurred in the south and east.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 15TH NOVEMBER

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 15TH
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	-	-	47	37	0	od.0	0·0
	Montrose	-	-	45	35	0	0	0·0
	St. Andrews							
Engl. N.E.	Harrogate	-	-	46	36	b.bc	bc	3·0
	Skegness	Trace	-	50	32	b	0	3·8
England, E.	Felixstowe	-	-	48	35	bc.f	bcm	4·0
	Walton-on-Naze							
	Southend-on-Sea	-	-	52	35	by.b	b.bcm	3·9
England, S.E.	Margate	-	-	46	43	c	c	0·2
	Hastings	-	-	48	40	b	b.bc.0	6·5
	Eastbourne	-	-	48	38	b	bc	5·0
	Seaford	*	*					
	Brighton							
	Worthing	-	-	48	38	bc	bc	5·1
	Littlehampton							
	Bognor	*	*					
	Bournemouth	-	-	51	35	b	b	6·5
Scotld W.	Oban	-	Trace	48	37	od	od	0·0
Engl. N.W.	Morecambe	-	-	46	32	*	*	0·6
	Southport	-	-	49	38	f.c	c.bc.b	1·0
Midlands.	Ross-on-Wye	-	-	49		x.bc	bc.b	3·6
	Malvern	-	-	49	36	b.bc	bc.b	6·0
Wales.	Rhyl	-	-	50	34	bc	bc	5·0
	Colwyn Bay	-	-	51	37	bc	bc	6·0
	Llandudno	*	*	51	37	c.b	b	6·1
	Aberystwyth	*	*	49	39	o.c.b	c. o	3·5
England, S.W.	Weymouth	*	*	53	38	b	bc	7·5
	Torquay	-	-	54	40	bc	b	6·6
	Paignton	*	*					
	Penzance	-	-	52	46	c.of	of	0·0
	Newquay	-	-	52	35	b	b	2·4
	Ilfracombe	-	-	53	38	bc	bc	5·5
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 15TH NOVEMBER

	STATIONS.	Evening of 14TH: Barom. Millibars at M.S.L.	Evening of 14TH: Temp.	Evening of 14TH: Wind Direc.	Evening of 14TH: Wind Force 0–12.	Evening of 14TH: Weather.	Morning of 15TH: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					F	°F
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel							*							*	
	Gorki							*							*	
	Velieki Luki							*							*	
	Hangö														*	
	Petrograd															
	Moscow														*	
	Kiev														*	
	Kharkov														*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Soukhoum														*	
MEDITERRANEAN.	Venice	1017·4	50	-	0	bc	1016·6	*	43	-7	NE	1	c	1	55	43
	Turin	1017·0	48	-	0	b	1018·2	*	37	-11	-	0	f	2	78	51
	Pesaro	1017·0	?	NE	2	b	1015·9	*	46	-4	NW	2	bc	2	55	45
	Leghorn	1015·5	52	-	0	b	1013·9	*	46	-8	-	0	b	-	59	47
	Rome	1013·4	52	E	1	o	1013·8	*	48	-6	N	3	b	8	55	46
	Viesti	1014·5	54	S	1	r	1012·7	*	52	-3	E	1	r	20	59	48
	Brindisi	1010·3	55	NNE	2	o	1012·3	*	55	-4	ESE	1	r	1	57	54
	Cagliari	1013·7	59	WNW	4	o	1016·3	*	54	+2	NW	4	b	4	61	50
	Palermo	1014·6	57	-	0	b	1014·5	*	55	-2	WNW	2	o	-	84	52
	Tripoli						1018·6	*	54	+4	SW	1	o	-	*	50
	Algiers	1019·9	54	ENE	2	b	1022·6		55	+1	N	1	b	-	61	52
SWEDEN	Hernösand						1004·6	*	34	-2	-	0	f	*	*	*
	Stockholm						1005·4	*	37	-4	SSW	2	r	*	*	*
	Wisby						1004·8	*	41	-2	SW	4	r	*	*	*

Morning of 15TH

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	9999	39	+9	SE	3	o
Reykjavik	9990	43	+9	ESE	4	o
Vestmanna	1003·0	36	0	E	6	r
Seydisfjord	1010·6	25	+4	NE	2	s
Thorshavn	1016·0	43	+1	SW	3	r

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

16TH AND 17TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·17	11·38	3·59
	7·19	11·38	3·57
Greenwich	7·21	11·45	4·9
	7·23	11·45	4·7
Wick	8·5	11·57	3·40
	8·7	11·57	3·47
Valencia	8·4	12·26	4·48
	8·6	12·26	4·46

Printed at the Meteorological Office, South Kensington, London, S.W.7.
By WYMAN & SONS LTD., Fetter Lane, London, E.C., and Reading

‡ The barometric change is expressed in half-millibars

THE MORNING OF FRIDAY, 16TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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.
⊤ϟ, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈≈.

LOW

1000 mb

1005 mb

1010 mb

1015 mb.

1020 mb.

1025 mb.

1030 mb

29.97 in.

29.83 in.

29.68 in.

29.53 in.

Barometer falling

Bar 50° rising slightly

Barometer almost stationary

HIGH

30.12 in.

30.27 in.

30.42 in.

29.83 in.

29.97 in.

LOW

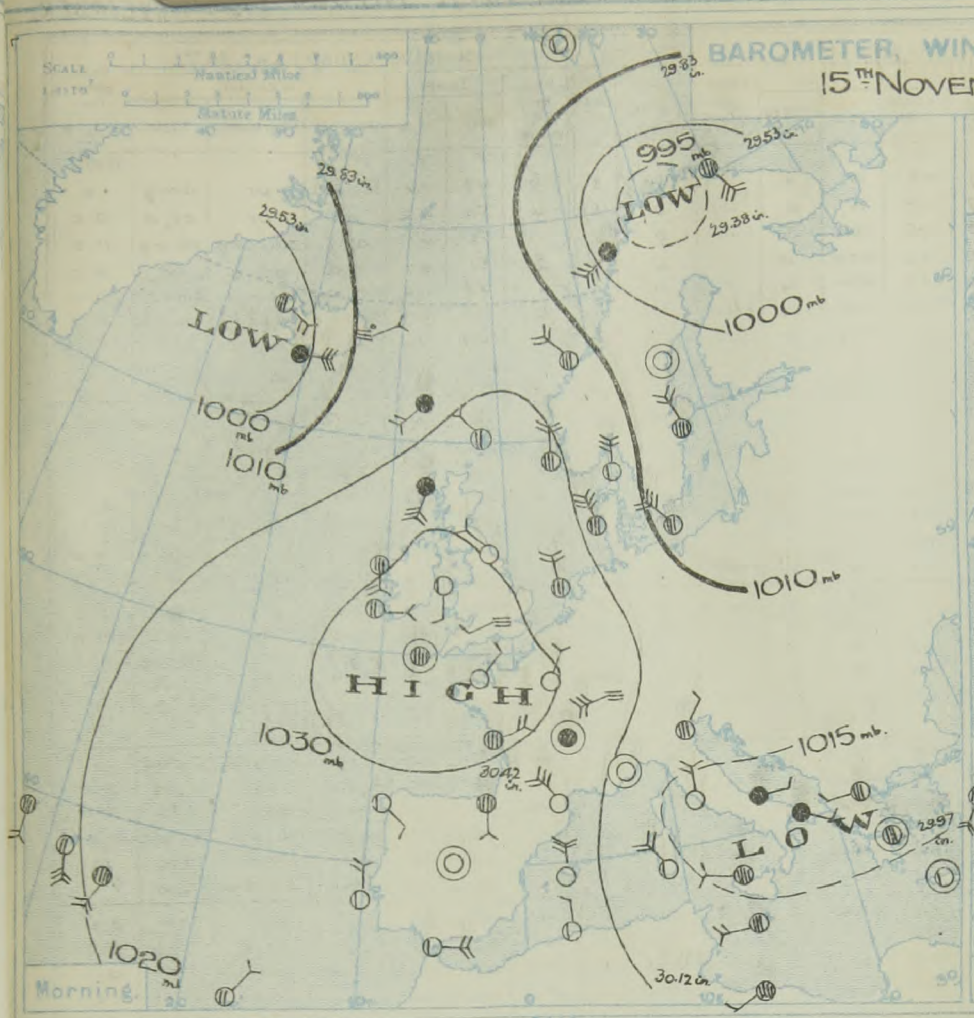
SCALE 1:2×10⁷
Nautical Miles 0 100 200 300 400
Statute Miles 0 100 200 300 400 500

Normal Temperature of the Sea.

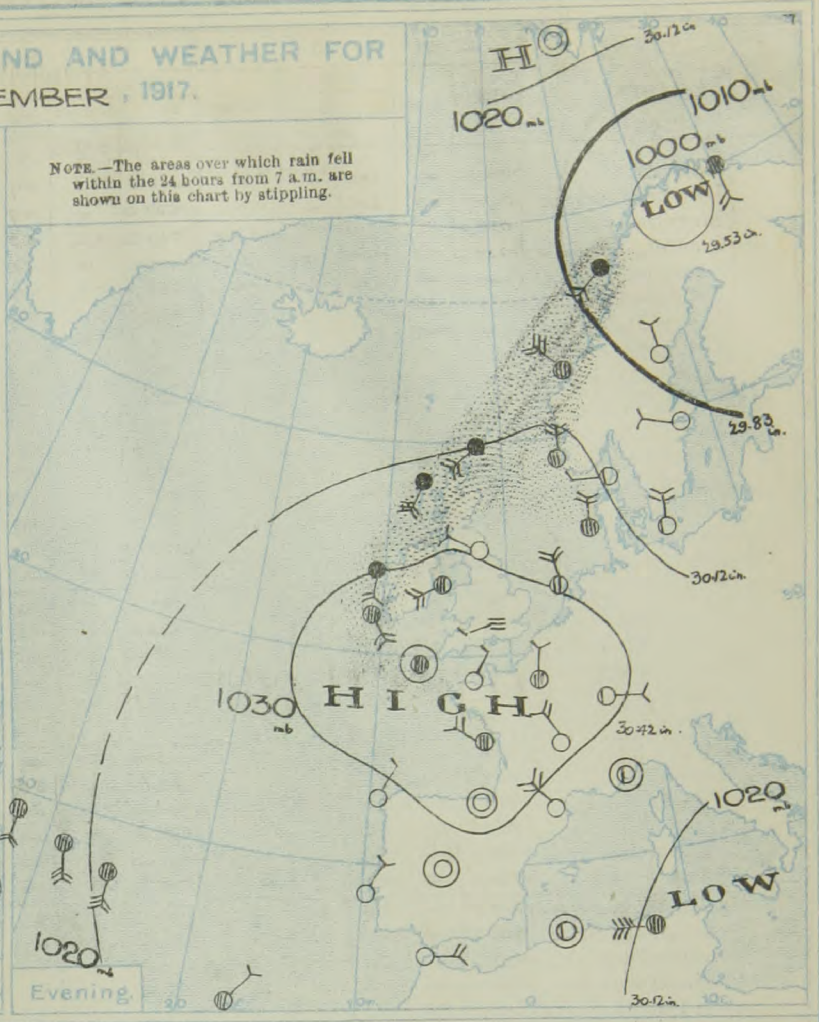
Below 50° | 50°-60° | 60°-70° | Above 70°

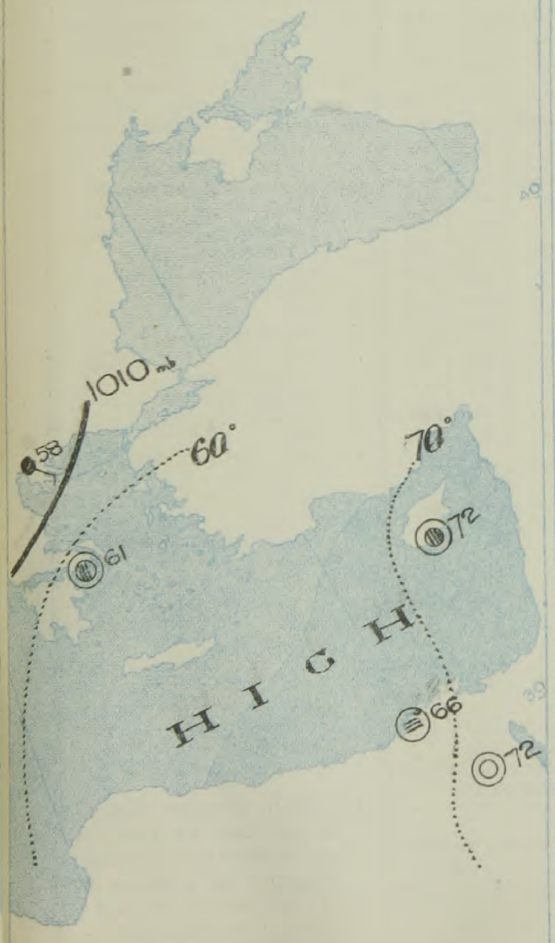
Scale of Tints for NOVEMBER.

BAROMETER, WIND AND WEATHER FOR 15TH NOVEMBER, 1917.



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





The present situation.

A large anticyclone still covers England, Ireland and France. the highest readings being near the mouth of the Channel. A depression which was yesterday off the west of Iceland has made no progress. Moderate Sly. to Wly. breezes prevail generally. but over Southern England the direction is more variable, and the force very light. The sky is partly clear at a few stations only, the weather being for the most part dull, with rain at Blaavands Huk, and at Birr Castle, in Ireland. There is fog inland over the south of England, and some mist in the north-western districts.

The General Outlook

The barometer is changing very little, and the anticyclone seems likely to maintain its position. Quiet, cold and cloudy weather is probable over the southern half of England, with fog at night. Elsewhere light or moderate S. to W. breezes, with mild and dull weather, and some rain at times in Northern Scotland.

R. G. K. LEMPFERT. Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 320 (16TH NOVEMBER.

	STATIONS.	EVENING OF 15TH: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	MORNING OF 16TH: 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.	24 HOURS ENDED 7 A.M. 16TH: Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 15TH.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1019·3	47	SW	4	r	1018·8	+1	49	+6	W	4	–	om	3	16	49	41	bc,omd	or	omq	*
	Deerness (Orkney)	1021·7	47	SW	4	o	1021·0	*	49	+7	W	4	–	o	3	4	50	42	or	or	or,o	0·0
	Stornoway ...	1023·4	52	SSW	5	cdpq	1023·2	+2	50	+5	SSW	3	–	o	3	1	52	45	opq	od,cpq	od,oq	0·0
	Castlebay (Barra Isd.)	1028·2	50	WSW	4	c	1027·9	0	51	+4	WSW	4	–	o	4	2	51	47	r,d	od,c	c,od,o	0·0
	Glasgow ...	1029·7	45	SW	2	m	1028·9	+1	47	+7	WSW	2	w	bc	*	1	48	40	cm,op	omp	omdp,c	0·0
	Eskdalemuir ...	1030·8	43	SW	4	om	1029·0	–1	44	+13	SW	3	w	bc	*	0·1	46	29	bcx,c,o	or,omq	cm,c,bc	0·1
	Malin Head ...	1029·1	49	SW	3	omd	1028·0	0	49	+5	SW	3	SW	bc	2	1	49	43	om	omd	bc	0·0
	Blacksod Point	1030·0	49	S	3	omd	1029·1	0	49	+2	S	3	–	omq	3	2	50	47	ofe	of,b	omq,f	*
	Valencia (Cahirciveen)	1032·4	50	SSE	4	o	1031·6	0	49	+9	SSE	2	S	o	3	1	51	40	bc,c	c,o,b	o,od	1·2
	Roche's Point	1033·2	48	SSW	1	o	1032·5	*	46	+5	E	1	–	ome	1	1	50	41	bm,b	bc,o	ofe,ome	*
	Birr Castle ...	1031·9	47	S	1	o	1031·6	*	40	+8	S	1	–	r	*	1	50	32	c	c,o	or	1·5
	Donaghadee ...	1030·0	46	SW	3	omp	1029·7	+2	43	+5	WSW	2	–	bcm	1	1	49	38	cm	cm,omp	omp,bc	*
	Liverpool (Bidston)	1032·9	46	WSW	1	b	1031·7	–1	45	+2	SW	1	–	o	1	–	50	43	bc	bc	o	3·0
	Holyhead ...	1032·2	49	SW	4	c	1031·3	0	48	+8	WSW	4	–	ome	2	–	53	39	b,bc	bc,c	b,bc,o	4·4
	Pembroke (St. Ann's)	1033·5	49	S	2	c	1032·8	0	48	+6	SW	1	–	o	1	–	50	39	bf,bj	bj,ce	bc,c,o	6·0
	Hartland Quay	1033·8	51	WSW	2	b	1033·5	0	48	+5	W	2	–	o	2	–	52	?43	c,o	o,c	o	*
	Scilly (St. Mary's)	1034·5	50	Calm	0	o	1033·8	0	49	–1	Calm	0	–	c	3	–	52	47	o,c	c,o	o,c	0·0
	Falmouth ...	1033·6	50	SE	1	o	1033·0	0	46	+2	NW	2	–	oj	*	–	51	43	cj,oj	oj	o	0·0
	Jersey (St. Aubin)	1033·3	47	NNE	1	bm	1033·1	*	41	–4	N	1	–	ome	0	trace	54	37	bcm,bm	bm	bw,ome	6·5
	Portland Bill ...	1033·3	48	NW	2	b	1032·7	0	44	+1	W	2	–	bc	2	–	52	43	b,bc	bc	b,bc	*
	Dungeness ...	1032·2	42	NW	2	b	1030·8	0	42	+6	NW	2	w	c	2	–	46	36	c,oj	o,bj	bf,bc	*
	Dover	*	*	*	*	*											*	*				
	Wick	1022·8	47	W	4	c	1023·0	+2	49	+9	W	2	–	o	2	2	51	40	or,omp	omp,cm	c,omg	*
	Nairn	1024·8	47	WSW	3	c	1023·6	*	50	+9	Calm	0	–	bc	0	1	50	40	cgd	cg	c,bc	0·0
	Aberdeen	1026·4	45	SW	2	oj	1025·0	+1	46	+9	SW	1	–	bj	2	trace	50	37	oj	ojp	oj,bcj	0·0
	Leith	1028·8	47	SW	2	o	1027·4	0	49	+11	W	2	NW	c	2	1	50	37	bm,od,o	od,ow	o,cw,c	*
	Tynemouth ...	1029·7	46	WNW	2	om	1027·9	0	46	+8	WNW	2	–	bm	3	–	46	36	cm	om	bm	*
	Spurn Head ...	1031·5	45	WNW	1	om	1029·5	0	46	+5	WNW	3	–	cmd	3	–	46	?41	bcm	bc,om	cm	1·1
	Yarmouth (Gorleston)	1032·8	44	NW	2	f	1029·2	–1	42	+6	WNW	2	–	om	2	–	48	36	bcf	bcf	of	3·4
	Clacton-on-Sea	1032·8	44	WNW	2	c	1030·4	0	42	+5	W	2	–	bc	1	–	47	36	bc	bc,c	c,bc	3·2
	Nottingham ...	1032·3	44	SW	1	o	1030·7	*	43	+10	W	2	w	om	*	0·3	47	32	f,om	om	o	0·0
	Benson (Oxon.) ...	1033·1	39	Calm	0	bc	1031·5	+1	33	+1	Calm	0	–	fxe	*	0·1	42	30	om	cm	bfxe	*
	Sth Farnborough	1033·7	38	W	1	b	1032·9	0	33	–3	WNW	1	NW	bcfx	*	–	44	28	om	o,c	bm,bcfx	0·0
	Salisbury Plain	1033·8	40	Calm	0	b	1032·4	–1	35	+1	WNW	1	–	bmx	*	–	48	33	b,c	c,bc	bm	*
	London (Kew Obsy.)	1033·7	42	WSW	1	f	1032·2	0	35	–1	WSW	1	–	fx	*	0·1	45	34	fw,om	om,f	bfw,fx	0·3
NORTHERN EUROPE.	Spitsbergen ...	1021·9	–17	Calm	0	b	1019·0	–3	?–13	–11	Calm	0	*	b	*	*	–2	–26				
	Vardö	1000·6	32	S	3	o	1013·6	+5	34	+6	S	7	–	o	4	*	34	27				
	Bodö	1007·0	39	SW	4	r	1011·9	0	36	–1	E	2	–	b	2	6	39	32				
	Christiansund ...	1018·4	41	NW	5	o	1015·6	–3	39	0	SE	4	–	c	4	2	41	37				
	Skudesnaes ...	1022·3	41	N	4	c	1018·7	–2	41	+4	E	2	–	r	2	4	41	37				
	Færder (X'ianiaFjord)	1019·0	39	NW	2	b	1019·4	0	37	0	Calm	0	NW	b	1	–	43	36				
	The Scaw (Skagen)	1019·2	39	W	1	b	1019·4	+1	39	–6	Calm	0	–	b	0	–	45	34				
	Blaavands Huk	1024·4	45	N	4	o	1023·5	–1	45	0	WNW	3	–	r	*	Trace	46	41				
	Copenhagen ...	1021·0	37	NW	2	b	?1022·4	+1	36	–7	WNW	2	–	m	*	–	45	34				
	Bornholm ...	1017·8	41	N	4	b	1019·2	0	39	–4	NW	3	–	c	1	–	43	37				
FRANCE, &c.	The Helder ...	1030·0	46	NNW	4	bc	1028·3	0	48	+2	W	2	–	o	1	–	48	46				
	C. Gris Nez ...	1033·1	43	N	2	m	1031·1	–2	47	+3	WNW	3	*	o	2	–	48	44				
	La Hève	1032·7	46	N	2	m	1032·3	*	45	–1	S	2	*	m	2	–	52	43				
	Brest (St. Mathieu)	1034·6	51	WNW	3	o	1033·6	0	51	0	NW	2	*	o	2	1	54	50				
	Rochefort (Ile d'Aix)	1032·7	51	NW	3	c	1033·8	+1	41	–8	NE	2	*	bc	*	–	54	41				
	Biarritz	1031·9	45	Calm	0	b	1032·1	0	39	–6	E	2	*	m	2	–	50	39				
	Paris	1032·7	41	N	2	f	1033·0	0	39	–6	S	1	–	o	*	–	50	37				
	Belfort	1031·1	36	E	2	b	1033·0	*	28	–4	Calm	0	*	c	*	–	47	25				
	Lyons	1031·1	39	NNW	3	b	1032·0	*	37	+5	NNW	5	*	b	*	–	44	?32				
	Nice	1027·4	53	Calm	0	b	1021·5	+3	47	–2	Calm	0	*	b	3	–	61	39				
	Perpignan ...	1025·5	50	NW	4	b	1026·6	0	50	–2	NW	4	N	c	*	–	59	46				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1029·0	59	NNE	1	b	1029·0	+1	48	0	SE	1	–	b	1	–	61	43				
	Madrid	1025·8	57	Calm	0	b	1030·0	+2	36	–5	Calm	0	–	b	*	–	61	34				
	Lisbon	1025·2	64	NNE	2	b	1026·0	0	50	+2	N	3	–	b	2	–	64	?48				
	Azores (Horta) ...	1018·7	*	SSE	5	o	1018·3	+1	63	0	SSW	4	*	o	3	14	66	59				
	Madeira	1022·7	64	NE	2	c	1023·4	0	61	+2	NE	2	–	o	2	–	68	59				
	Gibraltar	1025·4	59	E	3	b	1024·7	*	49	–9	E	2	*	m	3	–	61	48				
	Malta	*	*	*	*	*	1008·0	–1	55	–4	SW	1		o	1	1	64	54				
	Limassol	*	*	*	*	*	1013·9	–3	72	+11	Calm	0	–	o	0	–	77	59				
	Alexandria ...	1016·0	72	ENE	3	o	1012·8	0	66	0	Calm	0	–	m		–	79	64				
	Cairo (Helwan) ...	1014·6	75	NE	3	b	1012·8	+1	72	+4	Calm	0	–	c	*	–	88	64				

BEAUFORT NOTATION.

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

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 Meteorological Office.

LONDON — 16TH NOV. 9h. G.M.T.

	Humidity. 15 h. 15TH	Humidity. 9 h. 16TH	Sunshine for 15TH	24 Hours ended 9 h. 16TH: Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	90	94	0·9	44	35	28	–	om	bm,cm	om
CITY (Bunhill Row)	*	*	0·3	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	85	99	0·0	46	36	32	–	m	m	f,m
CAMDEN SQ. (British Rainfall) ...	86	96	0·8	46	36	34	–	me	c,o	*
HAMPSTEAD (Reservoir)	*	100	1·8	44	33	25	Trace	bc,om	bmx,o	oxme
S. KENSINGTON (Museum Grounds)	*	97	0·5	46	36	31	Trace	o,c,bc	bc,cm	bm,om

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 15TH:

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
220	7	16·5

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

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,449. SATURDAY, 17TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

The weather continued mild in the north, the thermometer rising to 56° in Northern Scotland. At night the temperature fell to 28° at Farnborough and Dungeness and to 26° in Salisbury Plain. Some rain fell in Ireland and near the Bristol Channel, but the amount nowhere exceeded a few millimetres. Sunshine was very variable, 7½ hours at Weymouth and Bournemouth, and 6 hours at Harrogate, Malvern and Ross. Fog developed at night in the South-East and East of England.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 16TH NOVEMBER.....

	STATIONS.	Rainfall Night. 18h-9h.	Rainfall Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 16TH
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	-	-	56	47	c.bc	c.bc	1·9
	Montrose	-	-	56	49	b	b	4·8
	St. Andrews	-	-	55	44	b	b	4·5
Eng. N.E.	Harrogate	-	-	51	45	b	b	6·4
	Skegness	-	-	53	40	bc	b	1·0
England, E.	Felixstowe	Trace	-	49	35	bcm	bcm	1·2
	Walton-on-Naze							
	Southend-on-Sea	-	-	49	35	0b	0. c b	0·0
England, S.E.	Margate	-	-	49	41	c	c	0·2
	Hastings							
	Eastbourne	-	-	51	35	bm	o.bc	3·3
	Seaford	*	*	51	35	bc	c	1·9
	Brighton							
	Worthing	-	-	50	35	b	b	2·8
	Littlehampton							
	Bognor	*	*					
	Bournemouth	Trace	-	51	35	b	b	7·6
Scotland W.	Oban	1	Trace	51	47	0p	0	0·0
Eng. N.W.	Morecambe	Trace	-	49	32	*	*	0·0
	Southport	-	Trace	49	44	0.c.0	0.r.0	0·0
Midlands.	Ross-on-Wye	-	-	51	26	bx.	bx. b	5·9
	Malvern	-	-	51	40	b	b	6·0
Wales.	Rhyl							
	Colwyn Bay	-	-	51	41	bc	bc	0·5
	Llandudno	*	*	50	47	c	c	0·1
	Aberystwyth	*	*	50	38	0.c	bc.0	0·5
England S.W.	Weymouth	*	*	40	37	3. b	b3	7·5
	Torquay	-	-	51	41	b.o.b.bc	03	3·1
	Paignton	*	*	52	37	bc	bc	3·9
	Penzance	-	-	51	47	03	03	0·0
	Newquay	-	-	50	38	c.b	c	1·2
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF ...16TH NOVEMBER.....

	STATIONS.	Evening of 15TH: Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0–12.	Weather.	Morning of 16TH: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					F	F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel							*							*	
	Gorki							*							*	
	Velieki Luki							*							*	
	Hangö														*	
	Petrograd															
	Moscow														*	
	Kiev														*	
	Kharkov														*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1016·7	45	-	0	b	1020·7	*	41	-2	-	0	b	-	50	41
	Turin	1016·6	43	-	0	b	1027·1	*	37	0	-	0	b	-	48	37
	Pesaro	1016·1	54	NNW	4	c	1019·1	*	52	+6	NE	4	b	-	55	48
	Leghorn	1013·6	50	E	2	bc	1018·6	*	46	0	-	0	b	Trace	57	45
	Rome	1011·4	50	N	2	b	1014·2	*	45	-3	N	2	b	-	55	43
	Viesti	1007·7	50	-	0	r	?	*	50	-2	E	3	c	7	56	48
	Brindisi	1010·5	48	NW	1	b	1009·5	*	48	-7	SW	1	c	1	55	46
	Cagliari						1011·0	*	55	+1	W	4	c	4	61	50
	Palermo	1014·2	74	-	0	bc	1008·6	*	52	-3	-	0	r	17	74	48
	Tripoli						1014·3	*	54	0	W	2	bc	10	72	50
	Algiers	1023·4	55	-	0	b	1023·1	*	55	0	NNE	5	c	Trace	61	54
Sweden	Hernösand	1006·6	36	N	2	b	1013·8	*	34	0	NW	2	b	*	*	*
	Stockholm	1011·8	36	WNW	2	b	1012·4	*	34	-3	WNW	4	0	*	*	*
	Wisby	1014·2	41	NNW	8	b	1013·8	*	39	-2	NNW	6	bc	*	*	*

Morning of ...16TH.....

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind Direc.	Wind Force 0–12.	Weather.
		°F	°F			
Isafjord	996·4	39	0	SE	5	b
Reykjavik	999·9	39	-4	S	5	bc
Vestmanna	1005·2	41	+5	W	4	c
Seydisfjord	1005·2	36	+11	SE	4	b
Thorshavn	1012·6	45	+2	SW	2	m

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

17TH and 18TH NOV. 1917.	Sunrise G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·19	11·38	3·57
	7·20	11·38	3·56
Greenwich	7·23	11·45	4·7
	7·24	11·45	4·6
Wick	8·7	11·57	3·47
	8·9	11·57	3·45
Valencia	8·6	12·26	4·46
	8·7	12·26	4·45

Printed at the Meteorological Office, South Kensington, London, S.W.7
By WYMAN & SONS LTD., Fetter Lane, London, E.C., and Reading.

‡ The barometric change is expressed in half-millibars

THE MORNING OF SATURDAY, 17TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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 ~~.

LOW

1000 mb

HIGH

1035 mb

1030 mb

1025 mb

1020 mb

1015 mb

1010 mb

1005 mb

29.53 in.
29.68 in.
29.83 in.
29.97 in.
30.12 in.
30.27 in.
30.42 in.
30.57 in.

Barometer falling

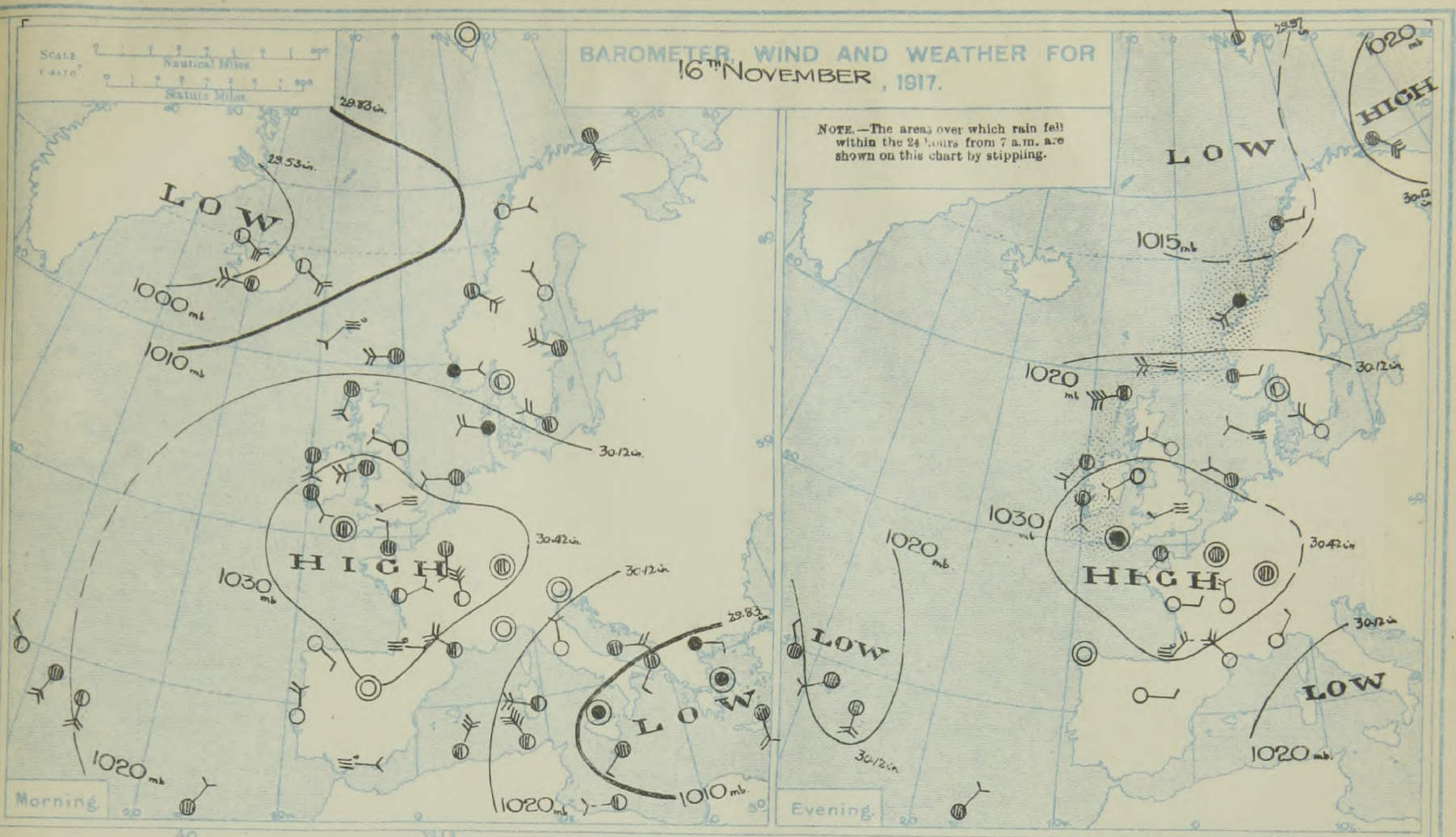
Barometer falling slightly

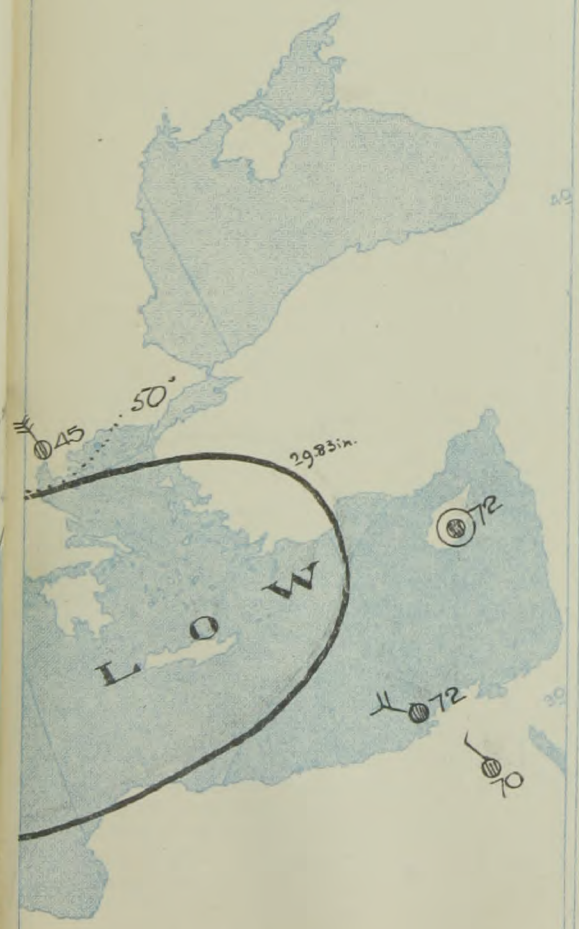
Barometer stationary

Barometer rising slowly

Scale 1:2×10⁶
Nautical Miles
Statute Miles

Normal Temperature of the Sea.
Below 50° | 50°-60° | 60°-70° | Above 70°
Scale of Tints for NOVEMBER





The Present Situation

An extensive anticyclone still covers the greater part of the British Isles and France. There is a shallow depression over Scandinavia. On our West and North-West coasts there is a South-Westerly breeze, moderate generally, but strong in the Hebrides and Shetlands. In the North Sea region, and over England and France, the wind is very light and rather indefinite in direction, and there is much mist and fog, the weather being for the most part cloudy.

The General Outlook

The barometer is rising slowly in Holland and Denmark and nearly stationary elsewhere, so that the anticyclone is extending gradually towards the north-east. Dull and foggy conditions will continue over England. In Scotland and North Ireland mild weather and a moderate breeze and colder conditions in the South of Ireland.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 321. [illegible] 17TH NOVEMBER.

	STATIONS.	EVENING OF 16TH: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	MORNING OF 17TH: 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.	24 HOURS ENDED 7 A.M. 17TH: Rainfall. Millimetres	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 16TH. Hours.
BRITISH ISLANDS.	Lerwick ...	1020·3	49	W	4	fe	1017·9	0	49	0	W	5	–	og	4	2	50	46	om	fe	c,og	*
	Deerness (Orkney)	1031·7	51	SW	3	odm	1020·0	*	47	−2	SW	3	–	c	3	2	52	46	o	of,md	o,c	0·0
	Stornoway ...	1022·7	52	WSW	7	cg	1020·0	−1	50	0	SW	7	–	og	5	0·4	52	48	opg	o,cg	od,pg	0·1
	Castlebay (Barra Isd.)	1027·4	51	SSW	4	o	1024·4	−1	50	−1	SW	5	–	op	5	0·2	52	49	o,c,o	o,c,o	o,c,op	1·0
	Glasgow ...	1028·9	48	SW	3	om	1027·1	0	47	0	WSW	4	–	om	*	0·1	53	47	cdp,bc	bc,c,om	om	1·8
	Eskdalemuir ...	1029·7	46	SW	4	bc	1028·3	0	45	+1	SW	3	–	o	*	0·1	48	41	bc,om	om,odm	bc,od	1·2
	Malin Head ...	1027·8	48	SW	3	c	1025·9	0	47	−2	SSW	3	SW	cg	3	0·1	51	46	c	c	op	0·0
	Blacksod Point	1027·8	48	SSW	3	cg	1026·2	0	50	+1	SSW	4	–	og	4	2	50	47	cg	cg	cm,omp	*
	Valencia (Cahirciveen)	1030·6	49	S	2	c	1030·5	0	50	+1	S	3	–	o	3	2	52	47	o,cd	omd,c	bc,od,o	0·4
	Roche's Point	1032·2	48	Calm	0	fe	1031·9	*	49	+3	W	1	–	o	1	1	50	45	dfe	ofe	fe,o	*
	Birr Castle ...	1030·7	49	S	1	o	1030·3	*	45	+5	S	1	–	o	*	0·4	51	?40	od,c,o	o	o	0·5
	Donaghadee ...	1029·5	49	WSW	1	of	1028·9	0	47	+4	SW	3	–	omd	2	trace	52	42	cf	cf	ogm	*
	Liverpool (Bidston)	1032·2	48	SW	1	r	1031·6	0	46	+1	SSW	1	SW	o	1	1	49	45	og	or	om	0·0
	Holyhead ...	1031·3	48	SW	2	b	1030·7	0	49	+1	WSW	4	–	c	3	0·1	50	45	cfe	c,o,bc,b	bc,o,c	0·0
	Pembroke (St. Ann's)	1032·9	49	SW	1	r	1032·7	0	49	+1	WSW	2	SW	cd	2	3	55	46	of,cb,c	cpd,c	cd,cp	0·3
	Hartland Quay	1033·5	50	WSW	2	c	1033·8	0	50	+2	S	2	–	o	3	4	51	47	o,odm,v	odm	or,odm	*
	Scilly (St. Mary's)	1033·9	49	Calm	0	omd	1033·7	0	50	+1	SSW	1	–	o	3	0·1	52	48	cv,ov	ov,om	o	0·2
	Falmouth ...	1034·0	48	NW	2	oj	1033·8	0	47	+1	Calm	0	–	o	*	–	49	45	o	o,oj	o	0·0
	Jersey (St. Aubin)	1032·8	48	SW	2	om	1034·0	*	38	−3	SW	2	–	bm	2	trace	52	37	ome,cm	o,c,om	bmw	1·3
	Portland Bill ...	1032·6	45	WNW	2	b	1033·0	0	44	0	N	1	–	c	2	–	54	42	b,bc	bc	c	*
	Dungeness ...	1032·2	48	W	2	c	1032·9	0	31	−11	N	2	–	f	1	–	50	28	bc	bc	bc,bfx	*
	Dover	*	*	*	*	*													*	*		
	Wick	1023·2	51	SW	3	o	1021·4	0	47	−2	WSW	2	–	bc	2	–	52	44	omg,c	c,omg	og,bc	*
	Nairn	1024·5	55	SW	1	bc	1022·4	*	49	−1	W	1	–	cg	1	–	55	47	bc	bc,cg	bc,c	1·5
	Aberdeen	1026·9	50	SSW	1	c	1024·4	0	39	−7	SW	2	–	b	2	trace	55	37	bc,cj	cj,p,bc	bc,bx	0·7
	Leith	1027·3	49	SW	2	b	1026·3	0	49	0	SW	2	–	o	2	–	53	45	c,bc,b	b	b,bc,ow	*
	Tynemouth ...	1028·5	48	WNW	2	bm	1028·6	0	47	+1	Calm	0	–	of	3	–	52	40	bm	bm	cm	*
	Spurn Head ...	1030·6	47	NW	2	bm	1031·2	0	46	0	WSW	1	–	om	3	trace	49	44	bm	bm	bm	2·3
	Yarmouth (Gorleston)	1030·2	48	WNW	1	o	1031·8	+1	37	−5	Calm	0	–	f	2	–	51	36	bcm	om	bf	1·2
	Clacton-on-Sea	1031·4	44	WNW	1	c	1033·1	+1	38	−4	W	2	–	m	1	0·4	49	34	bc,c	cm	bcfe,m	0·4
	Nottingham ...	1031·4	43	WSW	1	c	1032·0	*	41	−2	WSW	1	–	f	*	–	52	40	o,c	c,o	c,om	0·0
	Benson (Oxon.) ...	1032·1	35	Calm	0	b	1033·4	+1	33	0	Calm	0	–	fe	*	–	48	30	bm	bc	bf	*
	Sth Farnborough	1032·8	40	W	1	b	1034·3	+2	35	+2	S	1	–	ofe	*	0·1	51	28	bcm,cm	c,bm	bm,fo,fe	2·6
	Salisbury Plain	1032·8	38	W	2	b	1033·7	0	37	+2	Calm	0	–	ow	*	trace	47	26	bc	bc	cxc	*
	London (Kew Obsy.)	1032·4	41	WSW	1	f	1034·2	+2	33	−2	Calm	0	–	fx	*	0·1	45	32	fx,om	om,bm,f	f,fw,fx	0·6
NORTHERN EUROPE.	Spitsbergen ...	1011·2	12	N	1	c	998·8	−4	30	?	S	11	*	s	*	*	?	?				
	Vardö	1020·3	30	SE	6	o	1019·2	0	27	−7	ESE	5	–	o	3	*	34	?				
	Bodö	1012·6	34	E	1	o	1007·9	−3	37	+1	ESE	4	–	r	2	?	37	32				
	Christiansund ...	1017·4	45	SW	4	r	1010·0	+1	48	+9	S	6	–	r	5	9	48	37				
	Skudesnaes ...	1022·6	45	E	1	o	1022·3	+1	43	+2	Calm	0	–	f	2	8	45	41				
	Færder (X'ania Fjord)	1020·4	39	W	1	bc	1020·3	0	37	0	SSW	1	–	o	1	–	39	36				
	The Scaw (Skagen)	1020·3	43	Calm	0	b	1021·5	+1	41	+2	S	1	–	c	1	–	45	36				
	Blaavands Huk	1024·2	46	NW	2	f	1027·2	+2	46	+1	WNW	2	–	f	*	2	48	43				
	Copenhagen ...	1023·2	39	WNW	1	f	1025·8	+2	45	+9	W	2	–	f	*	–	45	36				
	Bornholm ...	1022·2	41	NW	3	b	1025·2	+1	43	+4	WNW	2	–	c	0	–	43	37				
FRANCE, &c.	The Helder ...	1029·9	48	WNW	2	o	1031·5	+1	48	0	NSW	1	–	c	2	trace	48	48				
	C. Gris Nez ...	1031·9	48	W	1	m	1033·1	+1	45	−2	W	3	*	f	2	–	57	45				
	La Hève	1032·2	49	Calm	0	m	1033·5	*	46	+1	WSW	2	*	o	2	–	52	45				
	Brest (St. Mathieu)	1034·3	51	W	2	m	1034·3	0	49	−2	E	2	*	o	1	2	51	48				
	Rochefort (Ile d'Aix)	1033·0	45	E	1	b	1032·7	0	35	−6	E	2	*	m	*	–	54	35				
	Biarritz	1030·8	44	NE	3	m	1029·9	0	39	0	NE	1	*	m	1	–	48	36				
	Paris	1032·6	43	Calm	0	f	1034·3	+2	39	0	Calm	0	–	o	*	–	48	36				
	Belfort	1033·5	37	Calm	0	o	1035·0	*	35	+7	ENE	2	*	c	*	–	46	?				
	Lyons	1031·2	46	NNW	3	b	1032·2	*	37	0	Calm	0	*	b	*	–	46	36				
	Nice	1022·6	45	NE	1	b	1025·2	+1	45	−2	Calm	0	*	b	3	–	55	39				
	Perpignan ...	1025·8	50	NW	4	b	1026·8	+1	48	−2	NW	2	–	b	*	–	59	46				
	Sanguinaire ...	1018·4	54	N	2	b	1021·9	*	50	?	E	2	*	b	3	–	64	48				
SOUTHERN STATIONS.	Corunna	1026·3	59	Calm	0	o	1027·0	+1	50	+2	S	2	–	b	2	–	61	45				
	Madrid	1023·6	63	E	1	b	1027·5	+2	46	+10	ENE	1	–	b	*	–	64	?				
	Lisbon	1024·2	63	NW	2	b	1025·8	+1	46	−4	N	1	–	b	?	–	66	48				
	Azores (Horta) ...	1019·5	*	WSW	2	o	1021·9	+1	?59	−4	NNE	4	*	b	3	6	66	59				
	Madeira	1021·2	64	NE	2	o	1021·6	0	59	−2	N	2	N	bc	2	–	68	59				
	Gibraltar	1024·4	57	SE	3	b	1025·0	*	56	+7	E	4	*	o	3	–	67	48				
	Malta	*	*	*	*	*	1009·4	+3	57	+2	NW	4	–	o	5	23	61	52				
	Limassol	*	*	*	*	*	1012·0	+1	72	0	Calm	0	–	o	0	trace	75	63				
	Alexandria ...	1010·7	72	Calm	0	0	1014·7	+2	72	+6	NW	3	W	o	3	–	75	66				
	Cairo (Helwan) ...	1012·4	81	Calm	0	0	1014·0	+4	70	−2	NNW	1	–	o	*	–	88	68				

BEAUFORT NOTATION.

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

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 Meteorological Office.

LONDON ..17TH NOVR. 9h. G.M.T.

	Humidity. 15 h. 16TH %	Humidity. 9 h. 17TH %	Sunshine for 16TH Hours.	24 Hours ended 9 h. 17TH: Temperature. Max. °F.	Min. °F.	Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)	87	100	0·0	47	30	27	–	cm	cm	bcf,of
CITY (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	84	98	0·0	48	34	31	–	om	om	fe
CAMDEN SQ. (British Rainfall) ...	89	100	0·0	47	35	33	–	oe	oe	*
HAMPSTEAD (Reservoir)	*	100	0·4	46	32	24	trace	c,ome	cmx	oxme
S. KENSINGTON (Museum Grounds)	*	97	0·0	48	34	30	trace	om	bcmbf	

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 16TH:

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
210	6·7	13·5

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

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,450. SUNDAY, 18TH NOVEMBER .1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

The day showed an almost complete absence of sunshine except in the Channel Islands, where nearly 8 hours were recorded. Showery weather prevailed in the extreme north but elsewhere little precipitation was measured. Temperature rose to about 50° in all districts and at many stations the night minima did not fall below 45°.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 17TH NOVEMBER.

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 17TH
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	-	-	53	39	0.c	c.bc	0.0
	Montrose	-	-	52	47	0	0	0.0
	St. Andrews							
Eng. N.E.	Harrogate	-	-	51	43	0.bc	bc.0	0.1
	Skegness							
England, E.	Felixstowe	Trace	-	49	34	of. bcm	bcm	4.5
	Walton-on-Naze							
	Southend-on-Sea	-	-	44	34	ofe	om	0.0
England, S.E.	Margate	-	-	46	40	of	om	0.5
	Hastings	-	-	44	38	f	0	0.0
	Eastbourne	-	-	45	35	om.bc	bc	0.5
	Seaford	*	*	46	31	f	bc	0.4
	Brighton							
	Worthing	-	-	45	32	0	0	0.0
	Littlehampton							
	Bognor	*	*					
	Bournemouth	-	Trace	47	37	0	0	0.0
Sc'tld W.	Oban	-	Trace	51	43	op	op	0.0
Eng. N.W.	Morecambe	Trace	-	49	46	d.o.c.o	* o	0.0
	Southport							
Midlands.	Ross-on-Wye	-	-	49	28	x.om	m.c	0.0
Wales.	Rhyl	*	*	50	45	r.c	c	0.1
	Colwyn Bay							
	Llandudno	*	*	50	45	r.o.	c.o	0.7
	Aberystwyth							
England, S.W.	Weymouth	*	*					
	Torquay							
	Paignton	*	*					
	Penzance	-	-	51	49	0	0	0.0
	Newquay							
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 17TH NOVEMBER 1917

	STATIONS.	Evening of 16TH: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 17TH: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1009.7	16	N	4	b									*	
	Gorki	1021.1	32	N	1	o		*							*	
	Vijni Volotchok	1016.7	30	W	2	o	1017.9	*	27		W	1	o	-	*	27
	Hangö	1016.3	43	-	o	o	1007.5	-6	43		WSW	2	o	1	*	30
	Petrograd	1019.0	28	N	2	o	1015.1	-4	28		SE	3	o	-	34	27
	Moscow						1016.8	o	27		N	4	o	-	*	27
	Kiev														*	
	Kharkov						1020.3	+3	37		NW	3	o	?	*	30
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1028.9	40	-	o	b	1031.7	*	39	-2	NE	1	b	-	52	37
	Turin	1027.9	43	-	o	b	1033.4	*	37	o	-	o	b	-	50	34
	Pesaro	1027.1	50	NE	7	b	1029.0	*	50	-2	NNE	6	bc	-	57	48
	Leghorn	1025.7	50	-	o	b	1028.1	*	48	+2	-	o	b	-	54	46
	Rome	1019.8	46	N	2	b	1022.7	*	46	+1	N	2	b	-	55	41
	Viesti	1020.2	50	N	3	b	1025.5	*	50	o	N	4	b	-	54	46
	Brindisi	1017.3	54	N	6	b	1020.1	*	54	+6	N	6	bc	-	55	54
	Cagliari	1016.3	57	NNW	5	b	1021.8	*	50	-5	NNW	4	b	-	61	45
	Palermo							*								
	Tripoli							*								
	Algiers	1024.0	54	NNW	3	b	1024.8		57	+2	NNE	3	o	-	59	54
Sweden	Hernösand						1017.8	*	27	-7	-	o	c	*	*	*
	Stockholm						1020.4	*	28	-6	SW	2	c	*	*	*
	Wisby						1022.2	*	37	-2	W	2	b	*	*	*

Morning of 17TH:

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	993.8	28	-11	W	6	s
Reykjavik	999.8	36	-3	WSW	5	o
Vestmanna	1004.6	36	-5	SW	7	r
Seydisfjord	1001.2	32	-4	SW	2	b
Thorshavn	1007.6	43	-2	WSW	2	m

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

18TH AND 19TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.20	11.38	3.56
	7.22	11.38	3.55
Greenwich	7.24	11.45	4.6
	7.26	11.45	4.5
Wick	8.9	11.57	3.45
	8.12	11.57	3.43
Valencia	8.7	12.26	4.45
	8.9	12.26	4.44

Printed at the Meteorological Office, South Kensington, London, S.W.7.
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‡ The barometric change is expressed in half-millibars.

THE MORNING OF SUNDAY, 18TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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 ≈≈≈.

995mb. LOW

1000mb

1005mb.

1010mb

1015mb

1020mb.

1025mb.

1030mb

1035mb

Barometer falling

Barometer rising

HIGH generally

29.38in. 29.53in. 29.68in. 29.83in. 29.97in. 30.12in. 30.27in. 30.42in. 30.56in.

32° 40° 50°

1025mb 1030mb 1025mb 1020mb 1027in.

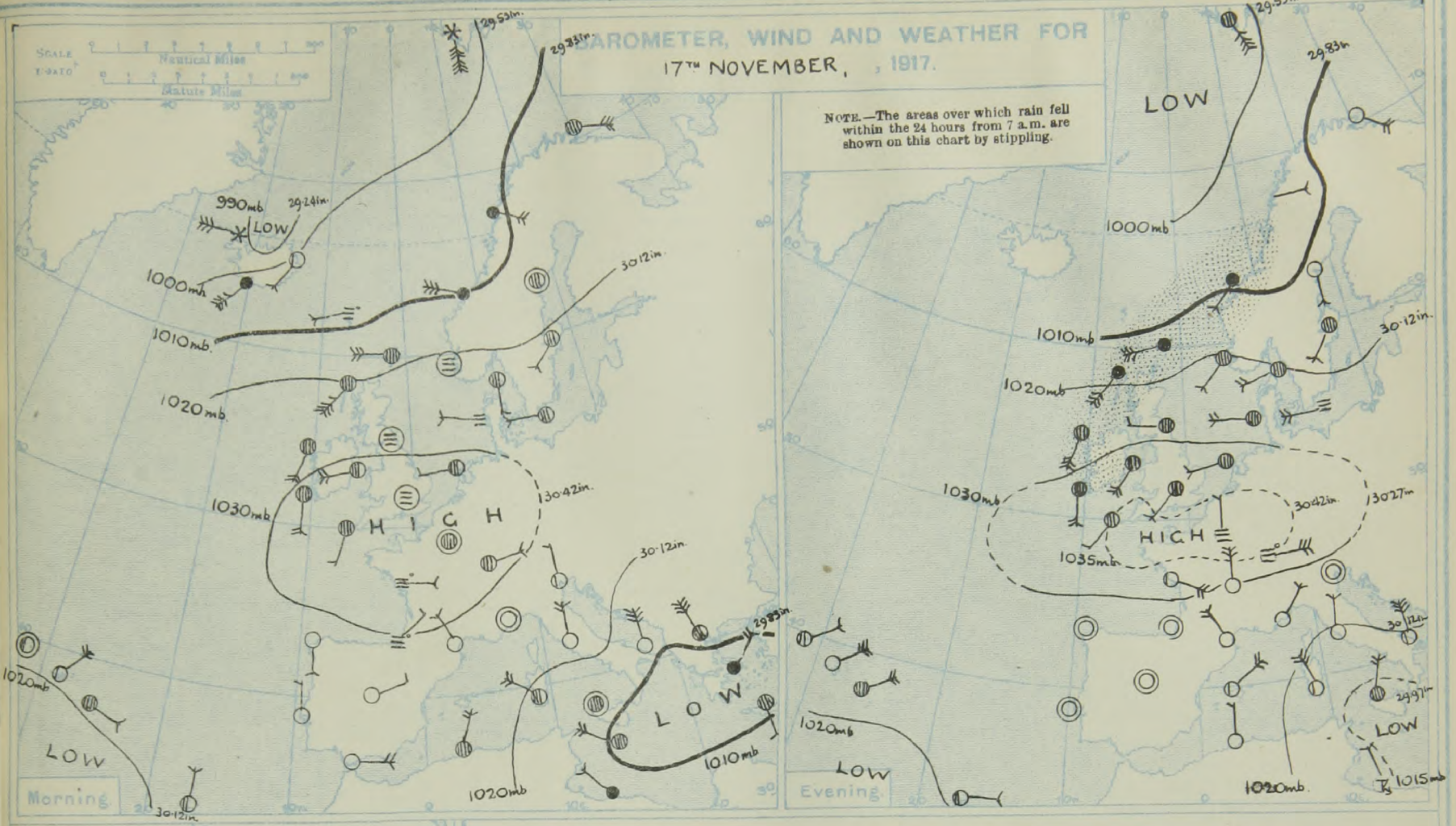
SCALE 1 : 2 x 10⁶
Nautical Miles
Statute Miles

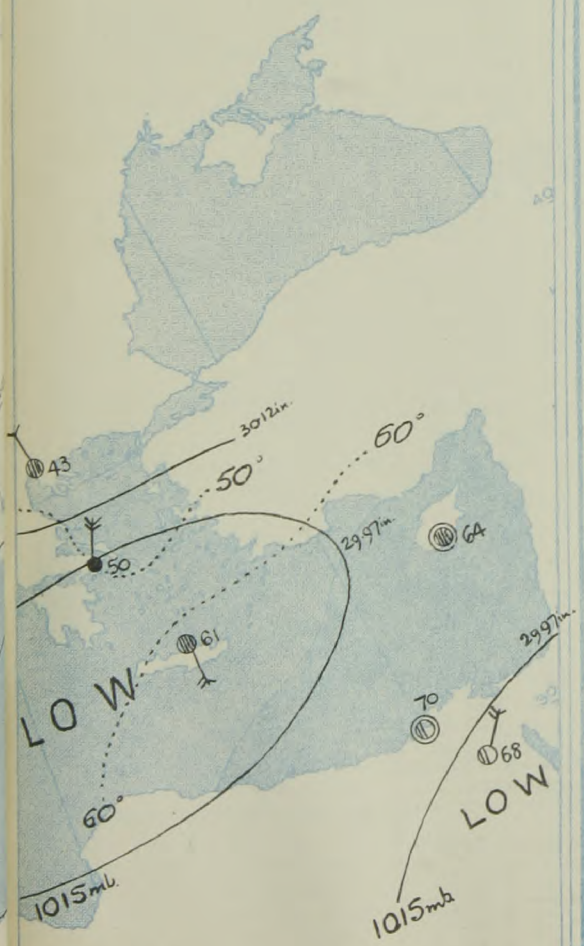
LOW

Normal Temperature of the Sea.

Below 50° | 50°-60° | 60°-70° | Above 70°

Scale of Tints for NOVEMBER.





The Present Situation

The anticyclonic system still embraces the British Isles and Western Europe, its central space, with the barometer above 1037 mb. lying across the Mouth of the English Channel. A depression which yesterday morning was off the north of Iceland has travelled quickly eastward, and is now crossing Northern Norway. It is occasioning a strong W NW. wind to the north of Scotland, but over the rest of our area an anticyclonic circulation of light breezes prevails. There are indications of a fresh depression to the Westward of Iceland. Rain and snow are falling in the Northern part of Norway but further south there is little precipitation though much cloud is reported, and fog on the Continent.

During the succeeding 24 hours a deep depression approached Iceland and a gradient of strong West winds spread over the whole region from Iceland to the Midlands. The anticyclone maintained its position over France and the Bay.

November 19th, 1917.

R. G. K. LEMPFERT. Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 322. Sunday 18th NOVEMBER.

	STATIONS.	EVENING OF 17th. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF 18th. 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.	24 HOURS ENDED 7 A.M. 18th. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 17th.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1011·3	49	WSW	6	rq	1021·0	+2	44	-3	NW	3	NW	bc	3	4	50	42	0m	0mrq	cpq	*
	Deerness (Orkney)	1015·9	50	SW	5	r	1024·7	*	44	-3	W	3	–	c	3	2	51	43	c.o	or	or.c	0·0
	Stornoway ...	1016·9	52	SW	7	orq	1026·6	+3	41	-9	WSW	2	–	bc	2	7	52	41	orq	orq	bcp	0·0
	Castlebay (Barra Isd.)	1022·6	52	W	5	op	1028·9	+1	46	-4	NNE	1	–	o	2	1	52	45	op	op	opd.o	0·0
	Glasgow ...	1027·7	49	SSW	4	o	1029·6	+4	49	+2	WSW	3	–	og	*	0·2	49	46	o.cm	ou	opg	0·0
	Eskdalemuir ...	1028·7	46	SW	4	o	1030·5	+2	47	+2	SW	4	–	omd	*	1	48	44	o	o	o.omd	0·0
	Malin Head ...	1025·5	50	SSW	5	cg	1029·6	+3	50	+3	SW	3	–	omd	3	0·3	52	47	cg	cg	omd	0·0
	Blacksod Point	1027·6	50	SSW	5	omq	1030·7	+2	50	0	SSW	4	–	omq	4	1	52	48	omq	omp	omq.od	*
	Valencia (Cahirciveen)	1032·0	50	S	3	o	1033·9	0	50	0	S	3	–	o	3	1	51	49	omq	o	o	0·0
	Roche's Point	1028·5	48	SW	2	o	1035·2	*	49	0	SSW	1	–	o	2	1	49	47	ofe	fe.o	oe.o	*
	Birr Castle ...	1030·6	51	S	1	o	1034·3	*	47	+2	S	1	–	o	*	–	54	44	o	o	o	0·0
	Donaghadee ...	1028·8	49	SW	4	omq	1030·6	+2	50	+3	SW	4	–	cm	3	–	50	46	omq	omq	om.cm	*
	Liverpool (Bidston)	1033·1	46	WSW	3	o	1033·9	+6	47	+1	SW	2	W	o	2	1	49	45	o.cp	c	o	0·0
	Holyhead ...	1032·0	50	SW	4	o	1033·8	+1	50	+1	WSW	4	–	o	3	Trace	51	48	o.c.o	o.c.o	o.c.o	0·0
	Pembroke (St. Ann's)	1033·8	49	WSW	3	o	1036·1	+1	50	+1	WSW	2	–	o	2	2	51	47	cpd.bc	bc.opd	bcpd.c	1·9
	Hartland Quay	1035·3	40	S	2	o	1037·0	+1	48	-2	SW	3	–	omd	3	1	51	48	o	o	om.odm	*
	Scilly (St. Mary's)	1035·0	48	SW	1	o	1036·7	+1	49	-1	–	0	–	o	3	1	50	47	omd	omd.c	o	0·0
	Falmouth ...	1035·5	48	SE	1	oz	1037·4	+1	47	0	–	0	–	o	*	–	50	46	o	o.ogz	o	0·0
	Jersey (St. Aubin)	1034·8	49	SE	2	o	1036·5	*	44	+6	E	1	–	o	0	Trace	53	35	om	b	bw.o	7·8
	Portland Bill ...	1034·3	50	WSW	2	o	1036·2	+2	43	-1	NNW	2	–	c	2	–	51	43	c.o	o.c	o.c.bc	*
	Dungeness ...	1034·5	43	WSW	2	o	1035·3	0	47	+16	W	2	–	o	1	–	50	31	f	f.o	o.c.o	*
	Dover	*	*	*	*	*											*	*				
	Wick	1017·5	50	SSW	3	ompd	1026·1	+3	40	-7	WNW	2	–	bc	3	1	52	40	bc.omq	ompd	cmp.bc	*
	Nairn	1019·4	52	W	4	cg	1027·1	*	42	-7	W	1	–	bc	1	2	52	41	c.bc.c	cgq	cpq	1·1
	Aberdeen	1022·0	45	SSE	2	bcz	1027·8	+3	43	+4	W	1	W	b	2	0·4	51	37	bc.oz	cz.bc	bcz.or	0·2
	Leith	1025·4	51	SW	2	c	1028·2	+1	51	+2	W	2	W	c	2	–	53	45	o.cg.o	o.c.o	oq.c	*
	Tynemouth ...	1028·4	49	W	1	om	1029·6	+2	50	+3	W	3	–	oq	2	–	50	45	cm	om	cq	*
	Spurn Head ...	1031·7	46	WSW	2	om	1032·4	0	46	0	W	2	–	b	2	–	48	45	om	om	bcw	0·0
	Yarmouth (Gorleston)	1032·0	46	NW	1	of	1032·7	+1	46	+9	W	1	–	cm	2	–	51	36	f.bcm	bcm.f	of.om	3·2
	Clacton-on-Sea	1034·4	44	WNW	2	m	1035·1	0	45	+7	W	2	–	o	2	–	47	34	omf.bc	bc.omg	om.bc.o	3·2
	Nottingham ...	1032·3	49	W	2	o	1033·6	*	45	+4	W	2	SW	c	*	–	50	38	om	o	o	0·0
	Benson (Oxon.) ...	1034·0	45	SSW	2	o	1033·8	+1	43	+10	–	0	–	o	*	–	47	33	o	o	om	*
	Sth Farnborough	1035·3	46	S	2	o	1036·6	+1	45		W	2	–	o	*	–	47	35	f.om	o	o	0·0
	Salisbury Plain	1034·9	45	SW	1	o	1036·7	+2	43		SW	1	–	omw	*	Trace	47	34		o	om	*
	London (Kew Obsy.)	1035·1	46	WSW	2	om	1036·6	+1	45	+12	WSW	1	–	o	*	–	46	31	fx.fw.om	om	om.o	0·0
NORTHERN EUROPE.	Spitsbergen ...	996·4	27	SSE	8	o	993·6	-2	28	-2	S	6	*	o	*	*	30	25				
	Vardö	1016·6	25	SE	4	b	1007·0	-6	23	-4	SE	8	–	s	4	*	27	23				
	Bodö	1005·0	36	E	2	r	993·4	.0	34	-3	E	1	–	r	1	?	37	32				
	Christiansund ...	1007·0	48	SW	2	r	1008·8	+3	43	-5	NW	6	–	c	5	2	48	41				
	Skudesnaes ...	1020·0	48	SW	2	o	1019·5	+5	45	+2	NW	7	–	c	4	3	48	43				
	Færder (X'iania Fjord)	1015·2	45	SW	4	o	1009·8	0	48	+11	WSW	6	–	b	3	–	45	37				
	The Scaw (Skagen)	1020·2	46	WSW	3	o	1013·5	-4	48	+7	W	4	–	o	4	–	48	41				
	Blaavands Huk	1027·2	48	W	3	o	1024·7	0	48	+2	WNW	5	–	o	*	–	50	43				
	Copenhagen ...	1025·4	48	W	3	o	1020·6	-2	48	+3	WNW	4	–	o	*	Trace	48	43				
	Bornholm ...	1024·2	46	W	4	f	1018·7	-3	45	+2	W	7	–	o	2	Trace	46	41				
FRANCE, &c.	The Helder ...	1032·2	48	WSW	2	o	1031·8	+1	48	0	W	4	–	o	2	–	48	48				
	C. Gris Nez ...	1035·2	43	W	2	m	1035·8	+1	49	+4	W	4	*	o	2	–	48	43				
	La Hève							*					*									
	Brest (St. Mathieu)	1035·2	49	NE	2	o	1037·5	+1	45	-4	SE	3	*	m	2	–	54	45				
	Rochefort (Ile d'Aix)	1032·6	45	ENE	4	b	1035·0	+1	44	+9	ENE	5	*	o	*	–	54	35				
	Biarritz	1030·0	47	–	0	b	1031·4	+1	46	+7	SSE	1	*	b	1	–	55	39				
	Paris	1035·0	37	N	2	f	1036·8	+1	37	-2	–	0	–	f	*	–	43	34				
	Belfort	1036·0	41	E	5	m	1035·6	*	39	+4	E	4	*	f	*	–	45	35				
	Lyons	1030·8	45	N	4	b	1034·3	*	40	+3	N	1	*	o	*	–	50	37				
	Nice	1024·6	48	NE	2	b	1028·8	+2	46	+1	–	0	*	b	2	–	57	41				
	Perpignan ...	1026·2	54	NW	3	b	1030·3	+2	39	+11	–	0	–	b	*	–	61	37				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1026·4	61	–	0	b	1031·1	+2	45	-5	S	1	–	b	2	–	63	41				
	Madrid	1029·4	37	–	0	b	1033·2	+4	39	-7	NE	1	–	b	*	–	63	36				
	Lisbon	1024·7	63	–	0	b	1028·8	+2	46		N	3	–	b	2	–	66	46				
	Azores (Horta) ...	1022·7	*	NE	5	b	1025·2	0	61	+2	–	0	*	b	1	–	64	59				
	Madeira	1020·3	66	E	2	bc	1022·8	+2	70	+11	E	3	NE	c	5	–	73	59				
	Gibraltar							*					*									
	Malta	*	*	*	*	*	1015·2	+1	59	+2	NE	4	–	c	6	18	64	59				
	Limassol	*	*	*	*	*	1016·0	0	64	-8	–	0	–	o	2	6	70	61				
	Alexandria ...	1013·5	70	–	0	o	1015·5	0	70	-2	–	0	W	bc	0	–	75	66				
	Cairo (Helwan) ...	1014	73	NE	3	o	1014·2	+1	68	-2	NE	3	S	bc	*	–	84	68				

BEAUFORT NOTATION.

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

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 Meteorological Office.

LONDON 18th NOVEMBER 9h. G.M.T.	Humidity. 15 h. 17th.	Humidity. 9 h. 18th.	Sunshine for 17th.	24 Hours ended 9 h. 18th. Temperature. Max.	Temp. Min.	Temp. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	86	86	0·9	46	37	40	–	f.om	cm.o	.o
CITY (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	86	85	0·0	47	36	36	–	f	f	f
CAMDEN SQ. (British Rainfall) ..	88	89	0·0	45	37	32	–	fe	m.c	*
HAMPSTEAD (Reservoir)	*	87	0·5	46	42	32	–	c.om	om	om
S. KENSINGTON (Museum Grounds)	*	85	0·0	46	45	43	–	of om	om	o

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ... 17th.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
150	4·8	12·5

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

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,451. MONDAY, 19TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

Mild conditions prevailed in all districts, the maxima being about 50° and the minima about 45°. There was very little rain, except 4 mm. at Lerwick and 2 mm. at Deerness (Orkneys). About seven hours of bright sunshine were recorded at Harrogate and nearly five at Yarmouth and Nottingham. Elsewhere it was for the most part dull.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 18TH NOVEMBER

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 18TH
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	2	–	49	40	bc.c	c.o	0·8
	Montrose	–	–	49	45	o	o	0·0
	St. Andrews							
Eng. N.E.	Harrogate	–	–	50	45	bc.b.	b.	6·7
	Skegness	–	–	54	42	bc.	b.	3·6
England, E.	Felixstowe	–	–	51	37	bcm	bcm	3·8
	Walton-on-Naze							
	Southend-on-Sea	–	–	46	38	o	o	0·0
England, S.E.	Margate	*	*	48	40	o	o	
	Hastings	–	–	49	44	o	o	0·0
	Eastbourne	–	–	50	45	om	oc	0·0
	Seaford	*	*					
	Brighton							
	Worthing	–	–	49	44	o	o	0·0
	Littlehampton							
	Bognor	*	*					
	Bournemouth	–	–	49	44	o	o	0·0
Scotld W.	Oban	1	2	52	48	or	o	0·0
Eng. N.W.	Morecambe					*	*	
	Southport	–	–	51	47	o.c.o.	o.c.o.	0·0
Midlands.	Ross-on-Wye							
Wales.	Rhyl	–	–	55	46	c.	c.bc.	2·1
	Colwyn Bay	–	–	57	48	bc.	bc.o	2·6
	Llandudno	*	*	53	49	c	bc.	3·4
	Aberystwyth	*	*	50	45	c.o.	c.o.	0·0
England, S.W.	Weymouth	*	*					
	Torquay	–	–	49	46	o	o	0·0
	Paignton	*	*					
	Penzance							
	Newquay	Trace	–	49	46	o	o	0·0
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 18TH NOVEMBER

	STATIONS.	Evening of 17TH: Barom. Millibars at M.S.L.	Temp.	Wind: Direc.	Wind: Force 0–12.	Weather.	Morning of 18TH: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1009·7	16	N	4	b.									*	
	Gorki	1021·1	32	N	1	o		*							*	
	Velieki Luki							*							*	
	Hangö	1016·3	43	–	0	o	1007·5	−6	43		WSW	2	o	1	*	51
	Petrograd	1019·0	28	N	2	o	1015·1	−4	28	−4	SE	3	o	–		53
	Moscow						1016·8	+0	27	−5	N	4	o	–	*	53
	Kiev														*	
	Kharkov						1020·3	+3	37		NW	3	o	–	*	51
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1028·9	45	–	0	b.	1031·7	*	39	0	NE	1	b.	–	52	37
	Turin	1027·9	43	–	0	b.	1033·4	*	37	−10	–	0	b.	–	50	34
	Pesaro	1027·1	50	NE	7	b.	1029·0	*	50	−2	NNE	6	bc.	–	57	48
	Leghorn	1025·7	50	–	0	b.	1028·1	*	48	+2	–	0	b	–	54	46
	Rome	1019·8	46	N	2	b.	1022·7	*	46	+1	N	2	b.	–	55	41
	Viesti	1020·2	50	N	3	b.	1025·5	*	50	−5	N	4	b.	–	54	46
	Brindisi	1017·3	54	N	6	b.	1020·1	*	54	−1	N	6	bc	–	55	54
	Cagliari	1016·3	57	NNW	5	b.	1021·8	*	50	−2	NNW	4	b	–	61	45
	Palermo	1014·8	52	NNE	3	o	1018·7	*	54	0	–	0	c	5	61	48
	Tripoli	1018·1	54	NNW	2	[illegible]	1018·5	*	54	0	NNW	2	c	11	72	48
	Algiers	1026·3	59	N	1	b.	1027·5	+1	59	+2	NNE	3	o	--	61	54
Sweden	Hernosand	1010·7	34	S	2	b	997·0	*	37	+10	W	2	c	*	*	*
	Stockholm	1015·0	39	SW	2	o	1004·2	*	43	+15	W	4	o	*	*	*
	Wisby	1018·6	43	S	2	o	1009·5	*	39	+2	WSW	4	o	*	*	*

Morning of 18TH

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	1007·1	30	+2	W	4	b.
Reykjavik	1009·9	34	+2	W	3	o
Vestmanna	1013·2	36	0	–	o	b.
Seydisfjord	1010·8	25	−7	W	9	c.
Thorshavn	1014·3	41	−2	W	5	o

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

19TH AND 20TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.22	11.38	3.55
	7.24	11.39	3.54
Greenwich	7.26	11.45	4.5
	7.28	11.46	4.6
Wick	8.12	11.57	3.43
	8.14	11.58	3.42
Valencia	8.9	12.26	4.44
	8.11	12.26	4.43

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

‡ The barometric change is expressed in half-millibars

THE MORNING OF MONDAY, 19TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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 ≈≈.

LOW

HIGH

Bar. falling decidedly

Bar. rising slightly

Barometer falling slowly

995 mb

1000 mb

1005 mb

1010 mb

1015 mb

1020 mb

1025 mb

1030 mb

1035 mb

29·58 in.

29·68 in.

29·38 in.

29·83 in.

29·97 in.

30·12 in.

30·27 in.

30·42 in.

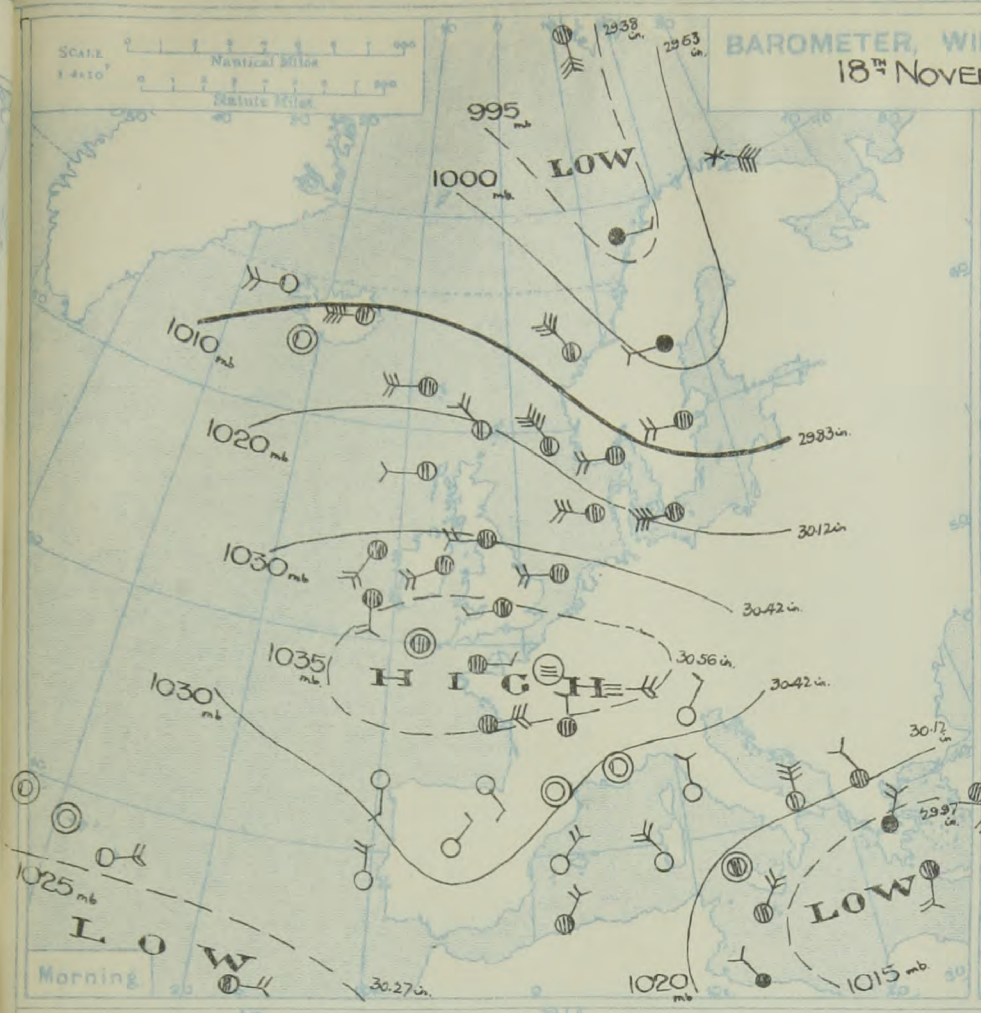
30·56 in.

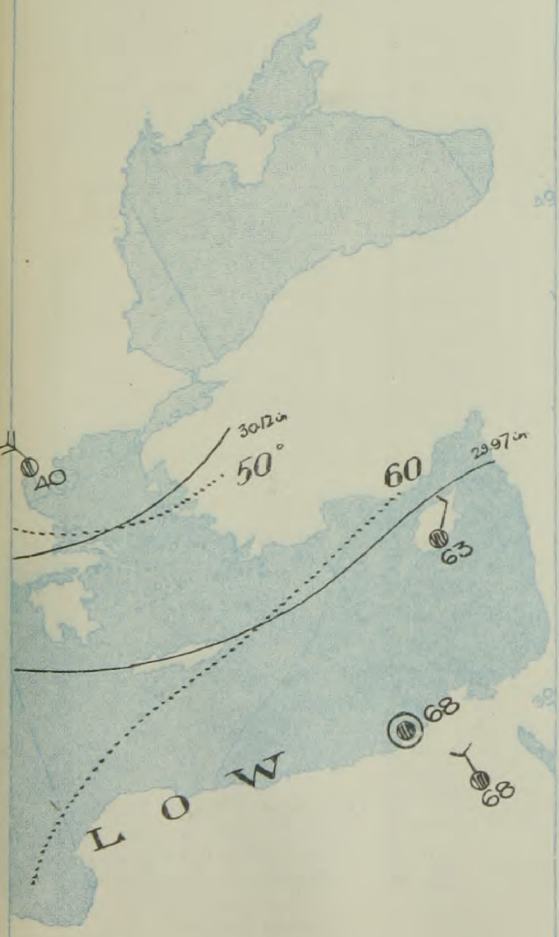
Scale 1 : 2 : 10
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

Below 50° | 50°–60° | 60°–70° | Above 70°

Scale of Tints for NOVEMBER





The Present Conditions

A depression, probably of considerable depth, is indicated in the Icelandic region. An anticyclone covers France, England and the Low Countries. Winds from SW. or W. are general. Strong to a gale in the Hebrides, strong on the Irish Coast and at the entrance of the Baltic, light or moderate elsewhere. An apparently unbroken sheet of cloud covers the whole of North-West Europe, with rain in the Faröe and at Helder.

The General Outlook

The barometer was falling briskly on our North-West coasts at 7 a.m., but the most recent information shows that the fall has ceased over the Irish Sea and on the west coast of Ireland. Nevertheless the northern depression is likely to influence our weather to an increasing extent, and South-West winds may be expected, which will freshen to nearly a gale in the North-West, and become fresh in the South. Some rain is to be expected in the northern districts, but in the south the weather will be dull with very little precipitation.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 323 Monday, 19th NOVEMBER

	STATIONS.	EVENING OF....18.th.. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF.....19th... 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.	24 HOURS ENDED 7 A.M....19th Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 18th Hours.
			°F.					‡	°F.	°F.							°F.	°F.				
BRITISH ISLANDS.	Lerwick ...	1022·5	46	WSW	2	oln	1009·6	-3	50	+6	SW	5	-	oinq	4	4	50	43	bc.c	c.om	ompq	*
	Deerness (Orkney)	1023·0	46	S	4	c	1011·8	*	49	+5	SSW	4	-	c	3	2	49	44	c.o	o.c	cp.c	0·0
	Stornoway ...	1022·2	52	SSW	6	opdq	1010·8	-6	52	+11	SSW	8	-	oq	6	1	52	41	bc.o	opdq	odpq	0·0
	Castlebay (Barra Isd.)	1026·3	51	SW	4	o	1017·4	-4	51	+5	SW	5	-	odp	6	1	51	46	od	od	or.opd	0·0
	Glasgow ...	1030·0	49	SW	2	ogz	1023·1	-4	48	-1	SW	4	-	o	*	0·1	51	47	ogpd	ogpd.	oz	0·0
	Eskdalemuir ...	1031·8	48	SW	4	omd	1026·4	-2	46	-1	SW	5	-	o	*	1	50	45	omd.o	o.omd	omd.o	0·1
	Malin Head ...	1028·7	50	SW	3	cm	1020·7	-5	49	-1	SSW	6	-	oinq	5	2	52	47	omd	cm	oinq	0·0
	Blacksod Point	1030·5	50	SSW	4	og	1022·7	-6	51	+1	SSW	6	-	omg	5	-	51	48	og	og	og.omg	*
	Valencia (Cahirciveen)	1033·8	50	S	3	oz	1031·0	0	52	+2	S	4	SW	o	0	-	52	50	oz	oz	o	0·0
	Roche's Point	1035·8	49	SSW	2	o	?1035·7	*	49	0	SW	3	-	o	3	0·1	50	47	o	o	o	*
	Birr Castle ...	1033·5	49	S	1	o	1029·2	*	47	0	S	2	-	o	*	-	51	46	o	o	o	0·0
	Donaghadee ...	1030·9	50	SW	3	cmg	1025·2	-3	48	-2	SW	5	-	oinqq	3	-	53	47	omg	cmg	oln	*
	Liverpool (Bidston)	1035·0	48	WSW	2	o	1031·2	-2	46	-1	SW	2	SW	o	1	-	52	46	o.c	o	o	0·5
	Holyhead ...	1034·5	51	SW	4	o	1030·4	-2	50	0	WSW	5	-	oqq	4	-	55	49	o.c.o	o.c.o	o.c.o	1·8
	Pembroke (St. Ann's)	1037·0	50	SW	2	ov	1033·6	0	49	-1	SW	3	-	o	2	-	51	48	ov	o.ov	ov.o	0·0
	Hartland Quay	1037·8	49	SW	2	o	1035·8	-2	50	+2	SW	4	-	o	3	1	51	47	o.omd	omd.og	o	*
	Scilly (St. Mary's)	1037·8	49	-	0	o	1035·7	-2	48	-1	SW	3	-	o	3	-	50	46	o	o	o	0·0
	Falmouth ...	1038·2	49	-	0	of	1035·8	-2	47	0	SSW	2	-	o	*	-	50	45	ø.c.o	oz.of	af.o	0·0
	Jersey (St. Aubin)	1037·3	50	E	2	oln	1036·8	*	47	+3	ESE	1	-	oln	0	-	55	43	b.bc.cd	om	om	3·7
	Portland Bill ...	1037·2	49	WNW	2	c	?1035·5	-2	51	+8	WSW	4	SW	o	2	-	51	43	c	o.c	c.o	*
	Dungeness ...	1037·3	47	W	2	o	1033·1	o	47	o	WSW	3	SW	c	2	-	49	?	o.c	c.o	o.c.o	*
	Dover	*	*	*	*	*													*	*		
	Wick	1024·0	47	S	2	o	1013·4	-7	49	+9	SW	4	-	o	3	0·2	50	39	bc.c	c.oln	ompdg	*
	Nairn	1024·0	51	W	1	o	1015·5	*	52	+10	W	4	-	cgq	3	0·1	52	40	bc.c	cdg	ogq	1·7
	Aberdeen	1026·7	48	SSW	2	cm	1018·9	-4	48	+5	SSW	2	-	o	2	-	51	42	b.bcz.o	oln.cm	cm.o	0·0
	Leith	1029·0	52	SW	2	o	1022·8	-2	49	-2	SW	4	W	c	3	-	54	49	cu.o.c	c.og.c.o	o.cqu.c	*
	Tynemouth ...	1031·6	51	WNW	2	om	1025·6	-1	51	+1	WSW	1	-	oln	2	-	52	48	oln	oln	bln	*
	Spurn Head ...	1033·6	48	WNW	1	b	1030·6	-2	47	+1	SW	4	-	o	3	-	49	44	b	bc	o	1·8
	Yarmouth (Gorleston)	1033·8	49	WNW	2	oln	1031·9	-2	46	0	WSW	3	-	o	2	-	53	44	cm.b	b.bc.o	oln	4·6
	Clacton-on-Sea	1036·1	43	W	1	bc	1034·3	-2	46	+1	W	2	W	o	1	-	50	42	og.c	c.bcln	bcm.og	1·9
	Nottingham ...	1034·8	49	W	2	o	1031·4	*	37	-8	SW	3	SW	o	*	-	52	44	c.bc	bc.c	o	4·6
	Benson (Oxon.) ...	1036·6	46	-	0	o	1033·9	-2	44	+1	SSW	3	-	o	*	-	48	43	o	o	o	*
	Sth Farnborough	1037·3	46	WNW	2	o	1035·5	-1	44	-1	WSW	2	-	o	*	trace	47	44	o	o	o	0·0
	Salisbury Plain	1037·3	46	W	2	o	1034·6	-3	44		WSW	3	-	o	*	trace	46	42	o	o	o	*
	London (Kew Obsy.)	1037·1	47	W	1	oln	1035·0	-2	46	+1	WSW	3	-	o	*	-	48	45	oln.o.om	oln	oln.o	0·0
NORTHERN EUROPE.	Spitsbergen ...	995·1	27	SE	6	o	999·5	o	25	-3	S	6	*	o	*	*	28	23				
	Vardö	1000·7	23	S	8	s	1000·6	+1	21	-2	SE	7	-	s	5	*	23	21				
	Bodö	1000·6	36	NW	8	c	1002·8	+1	36	+2	WSW	4	-	c	3	?	41	28				
	Christiansund ...	1016·0	41	NW	6	o	1008·3	-7	43	0	-	0	-	n	5	s	43	37				
	Skudesnaes ...	1023·2	46	NW	4	c	1016·6	-6	48	0	W	4	-	o	3	2	45	45				
	Færder (X'ianla Fjord)	1019·1	45	WSW	5	bc	1016·0	-4	45	-3	WSW	6	NW	c	3	-	48	43				
	The Scaw (Skagen)	1019·4	46	WNW	6	o	1019·2	+1	46	-2	W	6	W	c	6	-	48	45				
	Blaavands Huk	1028·2	46	NW	3	c	1025·6	-2	48	0	WNW	2	-	o	*	-	48	45				
	Copenhagen ...	1023·2	45	WNW	4	c	1024·2	-2	43	-5	W	2	-	m	*	-	48	41				
	Bornholm ...	1019·8	45	NW	8	c	1022·2	-2	43	-2	WNW	6	-	o	2	-	46	41				
FRANCE, &c.	The Helder ...	?1034·0	48	W	2	o	1031·5	-1	48	o	SW	4	-	r	3	trace	50	48				
	C. Gris Nez ...	1037·1	45	WNW	2	o	1035·8	o	48	-1	W	3	*	o	3	-	50	46				
	La Hève	1035·9	48	-	0	o	1036·0	*	48	-	SW	2	*	o	1	-	50	45				
	Brest (St. Mathieu)	1028·4	45	-	0	o	1037·9	o	45	o	S	1	*	o	1	-	46	43				
	Rochefort (Ile d'Aix)	1035·1	45	E	3	b	1035·8	o	43	-1	ENE	4	*	o	*	-	52	41				
	Biarritz	1033·3	48	-	0	o	1033·9	+1	48	-2	SE	1	*	o	2	-	52	46				
	Paris	1037·6	45	-	0	o	1037·5	o	43	+4	-	0	-	o	*	-	48	37				
	Belfort	1036·3	41	E	6	m	1037·1	*	39	o	E	4	*	o	*	-	46	39				
	Lyons							*					*		*							
	Nice	1029·0	48	-	0	b	1028·2	o	46	o	E	2	*	b	3	-	61	43				
	Perpignan ...	1030·8	43	-	0	b	1030·0	o	45	+6	W	2	-	b	*	-	61	36				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	?1030·0	59	N	1	b	1034·4	+3	45	o	SE	1	-	b	1	-	63	41				
	Madrid	1029·9	55	-	0	b	1035·9	+1	37	-2	-	0	-	b	e	-	57	34				
	Lisbon	?1023·9	63	WNW	1	b	1031·9	+1	48	-6	NNW	2	-	b	2	-	64	48				
	Azores (Horta) ...	1024·2	*	SSE	5	c	1027·8	+1	61	o	SSE	2	*	b	2	-	68	61				
	Madeira	1023·1	70	ENE	3	c	1026·6	?	63	-7	E	2	-	o	?	-	72	63				
	Gibraltar	1030·8	60	E	4	b	1031·8	*	59	-	E	4	*	bc	3	-	63	57				
	Malta	*	*	*	*	*	1015·9	+1	59	o	NNE	6	-	o	7	3	59	55				
	Limassol	*	*	*	*	*	1014·4	o	63	-1	NE	1	-	o	o	3	73	55				
	Alexandria ...	1015·4	70	NW	2	o	1014·7	o	68	-2	-	0	-	o	o	1	81	64				
	Cairo (Helwan) ...	1014·0	72	N	3	o	1013·9	+2	68	o	N	2	-	o	*	-	81	66				

BEAUFORT NOTATION.

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

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 Meteorological Office.

LONDON 19th NOVEMBER 9h. G.M.T.

	Humidity. 15 h. 18.th	Humidity. 9 h. 19th	Sunshine for 18.th	24 Hours ended 9 h.....19th.. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	82	76	0·9	48	45	43	-	o	o	o
CITY (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	78	77	0·0	51	46	43	-	om	om	om
CAMDEN SQ. (British Rainfall) ..	-	77	0·0	48	45	42	-	-	-	*
HAMPSTEAD (Reservoir)	*	74	0·0	46	42	36	-	o	o	o
S. KENSINGTON (Museum Grounds)	*	89	0·0	50	46	41	-	o	o	o

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ... 18th..

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
70	2·2	3·8

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

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,452. TUESDAY, 20TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

Mildness was general, especially during the night hours, many minimum temperatures being above 45°. Small amounts of rain fell in the extreme north and west. Dullness prevailed - with few exceptions there was no bright sunshine.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 19TH NOVEMBER.

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 19TH
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	10	–	55	45	oc	bc	1.2
	Montrose	–	–	54	47	0	0	1.4
	St. Andrews	*	*	52	47	0	0	0.6
Eng. N.E.	Harrogate	–	Trace	49	43	oc	od	0.4
	Skegness	–	–	48	41	0	0	0.0
England, E.	Felixstowe	–	–	48	44	cm	cmbc	0.0
	Walton-on-Naze							
	Southend-on-Sea	–	–	48	44	oz	oz	0.0
England, S.E.	Margate	–	–	49	45	0	0	0.0
	Hastings	–	–	50	45	0	0	0.0
	Eastbourne	–	–	50	45	bc.o	o.c.	0.0
	Seaford	*	*	50	46	0	0	0.0
	Brighton							
	Worthing	–	–	49	46	0	0	0.0
	Littlehampton	*	*	49	43			0.0
	Bognor	*	*					
	Bournemouth	–	–	50	45	0	0	0.0
Scotland W.	Oban	–	8	53	48	or	bc	0.0
Eng. N.W.	Morecambe	Trace	1	50	48	*	*	0.0
	Southport	–	–	51	47	0	o1o	0.0
Midlands.	Ross-on-Wye	–	–	50	44	0	c.	0.0
	Malvern	–	–	49	44	bc.c.o	0	0.0
Wales.	Rhyl	–	–	52	43	c.	0	0.0
	Colwyn Bay	–	–	52	44	bc.	fo	0.5
	Llandudno	*	*	54	48	c.o	0	0.2
	Aberystwyth	*	*	50	46	oc	c.o	0.0
England, S.W.	Weymouth	*	*					
	Torquay	–	–	49	46	0	0	0.0
	Paignton	*	*	49	46	op	0	
	Penzance	–	–	51	48	0	0	0.0
	Newquay	–	–	51	45	0	0	0.0
	Ilfracombe	–	–	53	40	0	0	0.0
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 19TH NOVEMBER.

	STATIONS.	Evening of 18TH: Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0-12.	Weather.	Morning of 19TH: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					F	F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel							*							*	
	Gorki							*							*	
	Velieki Luki							*							*	
	Hangö	1002.1	41	W	8	bc.	1007.0	+2	37	-6	NNW	8	bc	1	*	37
	Petrograd	996.4	30	SE	4	o	995.1	+4	36	+8	NW	4	o	4	34	28
	Moscow	1012.3	27	S	2	o	999.5	-9	30	+3	SSE	3	S	1	*	27
	Kiev														*	
	Kharkov	1021.6	32	NW	3	c									*	
	Kishinev														*	
	Elisabetgrad	1024.2	32	SW	2	b.									*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice		43	NNE	1	bc	1030.2	*	57	+18	NNE	1	bc.	–	57	39
	Turin	1031.3	43	–	0	b.	1032.3	*	34	-3	–	0	b	–	50	34
	Pesaro	1029.3	50	NW	4	c.	1029.3	*	48	-2	W	3	b	–	55	45
	Leghorn	1026.2	52	N	1	b.	1026.6	*	46	-2	–	0	b	–	55	46
	Rome	1023.5	48	NNE	2	b.	1024.2	*	46	0	NE	0	b	–	59	45
	Viesti	1022.7	52	N	2	b.	1024.6	*	50	0	NW	2	b.	–	54	48
	Brindisi	1021.3	54	SSW	4	b.	1020.3	*	54	0	SSW	5	b.	–	54	52
	Cagliari	1021.3	55	N	4	b.	1024.6	*	48	-2	NW	4	b	–	61	46
	Palermo						1020.6	*	54	0	NNE	1	b	–	55	46
	Tripoli						1016.6	*	61	+7	NNW	4	c	2	70	50
	Algiers	1029.3	57	NNE	4	b.	1030.4	-1	59	0	NNW	2	bc.	–	63	54
Sweden	Hernösand	1003.8	37	W	6	b		*						*	*	*
	Stockholm	1010.0	41	WNW	4	b		*						*	*	*
	Wisby	1012.3	45	WNW	6	b		*						*	*	*

‡ The barometric change is expressed in half millibars.

Morning of 19TH: Iceland,	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.
		°F	°F			
Isafjord	969.1	37	+7	WSW	7	r
Reykjavik	975.5	37	+3	SSW	8	o
Vestmanna	983.0	41	+5	SW	7	o
Seydisfjord	981.2	39	+14	–	o	b.
Thorshavn	993.3	48	+7	SW	6	r

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

20TH AND 21ST NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.24 7.26	11.39 11.39	3.54 3.52
Greenwich	7.28 7.29	11.46 11.46	4.4 4.3
Wick	8.14 8.16	11.58 11.58	3.42 3.40
Valencia	8.11 8.12	12.27 12.27	4.43 4.42

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THE MORNING OF TUESDAY, 20TH. NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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 ≈≈≈.

1005 mb. 1000 mb. 995 mb. 990 mb. 985 mb. HIGH 20° 29·68 in.

1000 mb. 995 mb. 1005 mb. 990 mb. 985 mb. LOW Barometer falling. 29·24 in. 29·38 in. 29·53 in. 32° 40°

1010 mb. 1015 mb. 1020 mb. 29·68 in. 29·83 in. 29·97 in. 30·12 in.

50° Barometer changing little Bar. falling slowly 1025 mb.

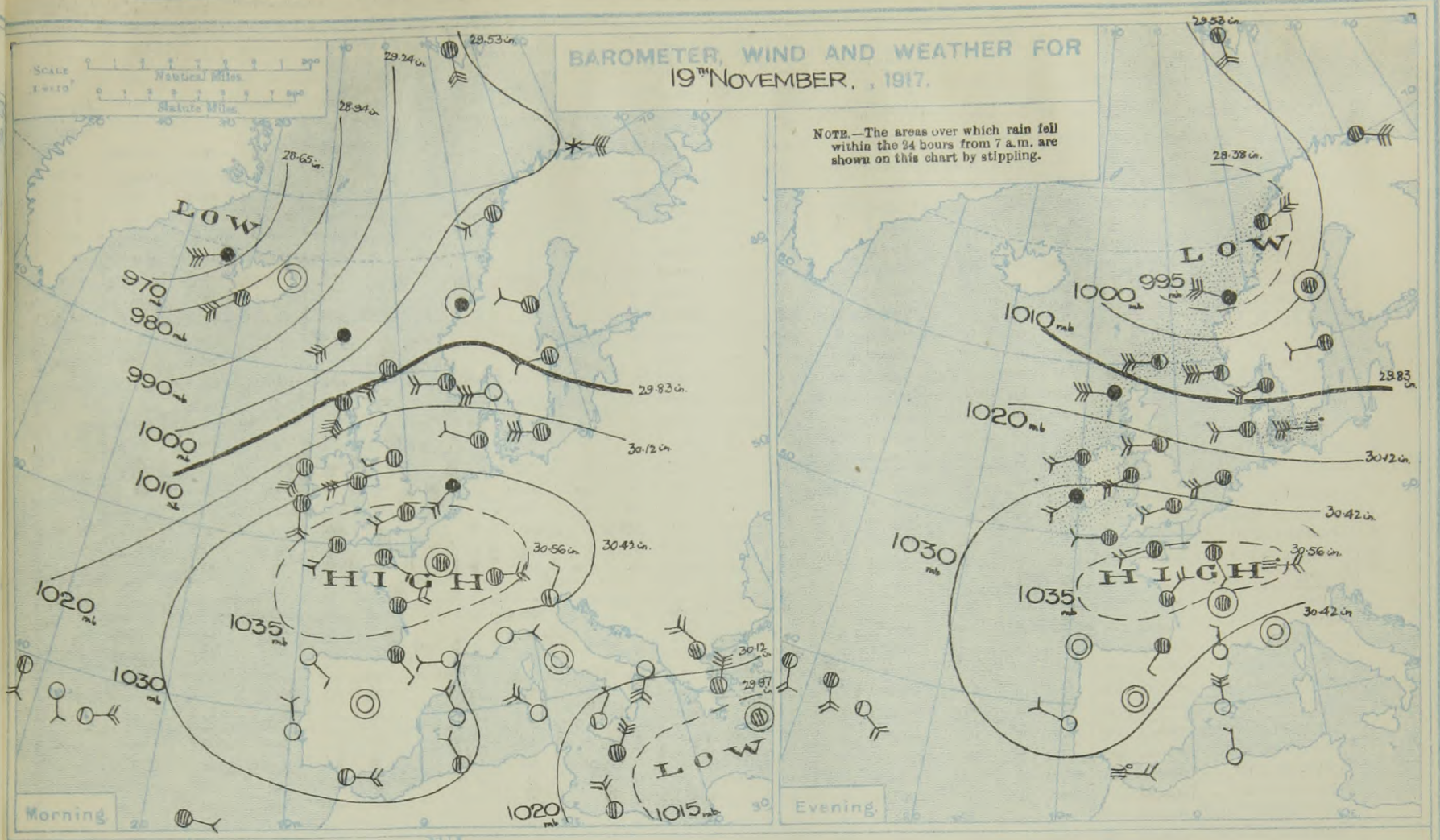
1030 mb. 1035 mb. HIGH 40° 30·42 in. 30·27 in. 30·56 in. 50° 1025 mb.

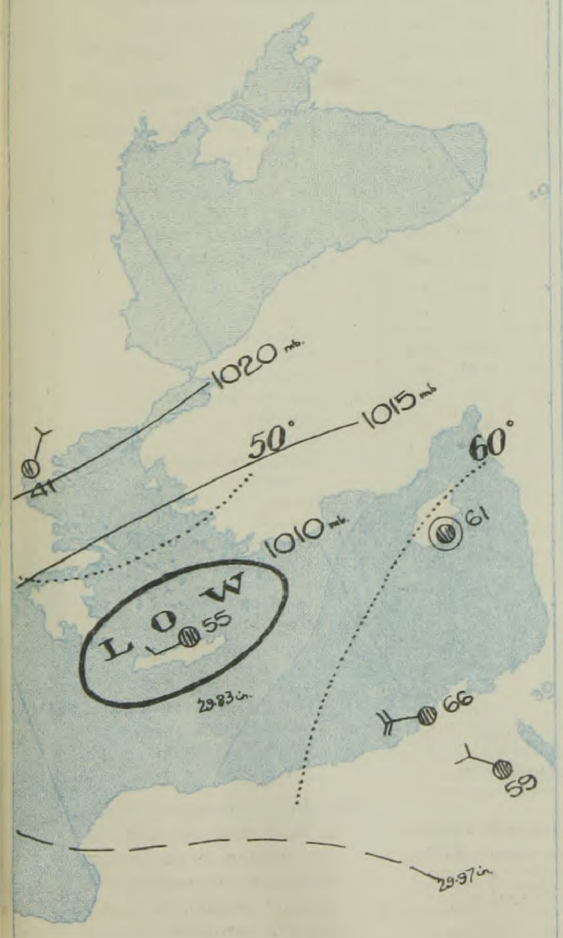
Scale 1 : 2 x 10⁶
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

Below 50° | 50°-60° | 60°-70° | Above 70°

Scale of Tints for NOVEMBER.





The Present Situation

The Atlantic anticyclone extends eastward, across the greater part of the British Isles and western and central Europe, the barometer being above 1035 mb. over the Bay of Biscay region. The depression which was off the north-west of Iceland yesterday morning has travelled quickly eastward, having already reached northern Norway, the barometer being at 985 mb. on the Arctic Circle at Bodö. Westerly to North-Westerly winds are general over North-Western Europe, fresh to strong and squally in some localities, a gale on the Western Baltic. Cloudy to dull, mild weather prevails extensively, rain being reported at very few stations.

The General Outlook

Fresh to strong breezes from between SW. and W. with dull, mild, unsettled weather, are to be exppcted. Some improvement will take place temporarily in Scotland, but occasional showers are likely to occur in all except the extreme southern parts of the British Isles.

R. C. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 324. Tuesday, 20th NOVEMBER.

	STATIONS.	EVENING OF 19TH					MORNING OF 20TH									24 HOURS ENDED 7 A.M. 20TH						Sunshine for 19TH
		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.	Hours.
			°F.					‡	°F.	°F.							°F.	°F.				
BRITISH ISLANDS.	Lerwick ...	1003·5	47	W	6	cq	1003·0	0	48	−2	WNW	6	NW	cq	5	7	51	43	omrq,	opq	c.opq	*
	Deerness (Orkney)	1008·4	47	W	7	cpq	1008·8	*	46	−3	W	6	–	cq	5	3	52	45	c.or	r.cpq	cpq.o	0·4
	Stornoway ...	1013·9	47	W	7	cpq	1016·1	+1	45	−7	WNW	6	–	oq	5	6	53	45	o.bcpq	cpq	opq	3·0
	Castlebay (Barra Isd.)	1019·8	50	W	4	op	1020·9	0	48	−3	WNW	5	–	o	4	1	53	47	dp.bc.o	c.op	•p	2·3
	Glasgow ...	1019·9	49	WSW	4	c	1021·1	0	44	−4	W	3	–	odg	*	3	51	44	orq	or.c	c.bopc	6·7
	Eskdalemuir ...	1020·8	48	W	4	bc	1022·5	+1	44	−2	SSW	4	–	o	*	3	49	43	og.omr	omr.cq	bcq.cq	0·0
	Malin Head ...	1022·5	49	NW	5	cq	1023·1	0	48	−1	WSW	5	SW	cg	5	1	52	45	oimrq	cq	oimpq	0·5
	Blacksod Point	1025·9	49	WSW	3	om	1025·3	0	50	−1	WSW	3	–	fe	3	1	52	?44	ofd	ofd	bcm.fe	*
	Valencia (Cahirciveen)	1030·3	53	SW	3	od	1030·4	+1	54	+2	WSW	3	–	o	0	2	54	51	o.cz	od	od	0·0
	Roche's Point	1030·9	51	SE	4	o	1030·2	*	50	+1	SW	2	–	o	3	Trace	54	49	oz	oz.o	om	*
	Birr Castle ...	1028·2	53	SW	1	r	1027·4	*	53	+6	SW	1	–	r	*	0·4	53	47	o	od	od	0·0
	Donaghadee ...	1022·8	52	W	4	oimpd	1024·3	0	47	−1	WSW	3	–	cm	2	Trace	53	46	ogmq	ogmq		*
	Liverpool (Bidston)	1026·3	47	SW	4	o	1026·9	0	47	+1	WSW	4	W	bc	3	0·2	52	46	o	op	o.c	0·1
	Holyhead ...	1026·3	52	SW	5	omg	1026·8	0	51	+1	WSW	4	–	o	2	Trace	53	49	o.c.oq	o.c.opq	dpde.hm	0·0
	Pembroke (St. Ann's)	1030·9	52	SW	4	o	1029·3	−2	52	+3	SW	5	–	fe	4	0·4	52	48	o	o.c.o	o.fe	0·0
	Hartland Quay	1032·7	52	SW	4	o	1031·3	0	53	+3	WSW	3	–	ofe	4	–	53	50	o	o	ofe	*
	Scilly (St. Mary's)	1034·3	52	W	2	o	1032·0	−1	52	+4	W	4	W	cme	4	–	52	47	o	o	bc.c	0·0
	Falmouth ...	1034·0	50	WSW	2	oz	1032·2	0	52	+5	W	4	–	om	*	–	52	46	o	oz	cz.bom	0·0
	Jersey (St. Aubin)	1034·9	48	WSW	3	o	1032·7	*	53	+6	W	3	–	o	3	–	53	45	o	o	o	0·0
	Portland Bill ...	1032·7	49	W	5	c	1030·3	−1	49	−2	WSW	5	–	c	4	–	51	48	c.o	c	bc.c	*
	Dungeness ...	1031·1	48	WSW	4	c	1028·7	0	49	+2	WSW	4	SW	c	?	–	50	?	o	o.c	c.o.c	*
	Dover	*	*	*	*	*											*	*				
	Wick	1010·9	51	WNW	4	bc	1011·8	−2	46	−4	WNW	5	–	bcmq	3	1	53	43	oimgpq	op.bcm	bc.o.bc	*
	Nairn	1009·9	54	W	5	cg	1015·3	*	48	−4	W	3	–	cq	2	–	54	46	cqg	cgq	c.bcq	1·1
	Aberdeen	1014·3	50	W	5	bq	1015·7	0	46	−2	SW	2	–	c	2	–	55	39	oq	c.bcq.b	b.bc.c	0·8
	Leith	1017·3	50	W	4	b	1019·2	0	47	−2	W	4	W	c	3	0·4	53	46	c.opq.c	cq.o.c.b	b.bcq.c	*
	Tynemouth ...	1020·3	53	W	4	cmq	1021·6	+2	46	−5	NW	3	W	cm	3	–	53	46	omq	omq	cmq	*
	Spurn Head ...	1025·0	46	W	4	oq	1023·7	0	48	+1	WNW	3	–	bw	4	–	49	46	cq	oq	bc	0·0
	Yarmouth (Gorleston)	1026·3	46	W	2	o	1025·1	−1	46	0	W	2	–	bc	2	–	50	46	om	om	bc	0·0
	Clacton-on-Sea	1029·6	47	WSW	3	o	1027·3	0	47	+1	W	2	NW	bc	2	–	48	44	omg	og	og.c.bc	0·0
	Nottingham ...	1026·5	49	WSW	3	c	1025·5	*	49	+2	W	3	W	b	*	–	51	47	o	o	o.c.b	0·0
	Benson (Oxon.) ...	1029·8	45	SW	3	c	1027·9	+1	51	+7	SW	2	–	o	*	–	51	44	o	o	om	*
	Sth Farnborough	1031·4	46	W	4	o	1029·2	0	50	+6	WSW	3	–	o	*	–	50	44	o	bc	od.o	0·0
	Salisbury Plain	1031·5	45	WSW	4	o	1029·4	0	50	+6	W	4	–	omd	*	Trace	51	44	o	o	od	*
	London (Kew Obsy.)	1030·3	48	WSW	3	o	1028·4	+1	50	+4	SSW	3	–	om	*	–	49	43	o	o	o.bc.om	0·0
NORTHERN EUROPE.	Spitsbergen ...	1000·7	27	S	5	c	1004·3	+3	28	+3	SE	6	*	bc	*	*	28	25				
	Vardö	1005·5	25	SE	6	o	1007·5	0	19	−2	S	8	–	o	4	*	27	19				
	Bodö	991·5	30	ENE	6	c	985·2	0	32	−4	?	5	–	bc	3	?	36	30				
	Christiansund ...	992·3	48	WNW	6	r	989·8	−6	41	−2	W	6	–	r	5	16	52	37				
	Skudesnaes ...	1003·8	48	W	8	c	1003·9	−3	45	−3	NW	7	–	o	5	7	48	30				
	Færder (X'ianiaFjord)	1001·8	46	SSW	7	o	999·4	0	46	+1	W	6	NW	b	3	–	46	45				
	The Scaw (Skagen)	1009·6	46	WSW	5	o	1003·9	+1	46	0	W	5	W	c	5	–	48	45				
	Blaavands Huk	1017·5	48	W	4	o	1014·6	0	48	0	WNW	4	–	c	*	Trace	50	45				
	Copenhagen ...	1016·6	46	WSW	4	m	1010·3	+1	45	+2	WNW	4	–	c	*	1	48	41				
	Bornholm ...	1016·0	43	W	7	m	1007·9	+2	45	+2	WNW	8	–	o	2	17	45	43				
FRANCE, &c.	The Helder ...	1025·9	46	WSW	5	o	1022·4	−2	50	+2	W	5	W	c	3	–	50	48				
	C. Gris Nez ...	1031·0	46	W	6	o	1029·2	0	50	+2	W	4	*	r	3	?	52	48				
	La Hêve	1033·0	46	SW	4	o	1031·6	*	48	0	WSW	4	*	o	3	–	48	45				
	Brest (St. Mathieu)	1036·4	48	WNW	2	o	1035·2	+1	52	+7	W	3	*	c	3	–	52	45				
	Rochefort (Ile d'Aix)	1035·4	45	NE	3	o	1035·8	0	43	0	NE	3	*	o	*	–	54	41				
	Biarritz	1033·8	52	SW	1	o	1034·3	+1	48	0	ESE	1	*	o	2	–	52	46				
	Paris	1035·0	45	S	1	o	1033·2	+1	43	0	SW	2	–	o	*	–	48	43				
	Belfort	1036·7	36	E	4	m	1033·5	*	34	−5	WSW	4	*	m	*	–	48	41				
	Lyons	1034·7	41	–	0	0	1034·4	*	37		NNW	2	*	o	*	–	45	37				
	Nice	1028·0	50	–	0	b	1024·7	+1	48	+2	–	0	*	b	2	–	63	45				
	Perpignan ...	1028·8	50	N	1	b	1027·9	+1	50	+5	NW	4	–	b	*	–	64	45				
	Sanguinaire ...	1025·6	55	E	1	b	1024·0	*	52		E	3	*	b	2	–	64	50				
SOUTHERN STATIONS.	Corunna	1033·6	55	–	0	b	1035·4	+2	43	−2	–	0	–	b	1	–	59	39				
	Madrid	1031·2	54	–	0	b	1034·7	+1	39	+2	NE	1	–	b	*	–	57	32				
	Lisbon	1031·4	61	WNW	2	b	1031·1	0	48	0	–	0	–	b	5	–	66	50				
	Azores (Horta) ...	1026·4	*	SSE	4	c	1026·7	0	63	+2	SSE	5	*	c	4	–	70	61				
	Madeira																					
	Gibraltar	1029·8	58	E	3	m	1029·8	*	47	−12	E	3	*	m	3	–	64	45				
	Malta	*	*	*	*	*	1018·8	0	59	0	NNW	3	–	c	5	–	59	57				
	Limassol	*	*	*	*	*	1011·2	0	61	−2	–	0	–	o	4	18	70	57				
	Alexandria ...	1012·3	64	NW	3	o	1012·4	0	64	−4	WNW	4	W	o	3	3	72	59				
	Cairo (Helwan) ...	1012·4	66	–	0	o	1012·4	+2	59	−9	NW	2	–	o	*	–	79	59				

LONDON 20TH NOVEMBER 9h. G.M.T.	Humidity. 15 h.	Humidity. 9 h.	Sunshine for	24 Hours ended 9 h. 20TH. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	19TH.	20TH.	19TH.							
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	75	94	0·0	51	45	39	–	o	o.op	o.c.bc
CITY (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	75	90	0·0	52	45	39	–	m	m	o.bc
CAMDEN SQ. (British Rainfall) ...	77	96	0·1	51	45	41	–	o	o	*
HAMPSTEAD (Reservoir)	*	94	0·0	49	42	34	Trace	o	c	o
S. KENSINGTON (Museum Grounds)	*	89	0·0	52	46	41	–	o	o.c	c.bc.b

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 19TH.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
110	3·6	8·0

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

BEAUFORT NOTATION.

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

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 Meteorological Office.

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,453. WEDNESDAY, 21ST NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

The day was very mild, all maxima exceeding 50° except those in the north of Scotland. At Spurn Head the temperature rose to 60°. At some stations in Southern England and Ireland even the minimum was above 50°.

Some rain fell generally, 11 mm. at Malin Head and 10 mm. at Castlebay. There was some fog on our S.W. coasts. Two hours of sunshine occurred in E. Anglia, little or more elsewhere.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL. To 18h. 20TH NOVEMBER

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 20th
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	-	-	51	46	c.bc	bc	0·6
	Montrose	-	-	51	46	0	c	0·0
	St. Andrews							
Eng. N.E.	Harrogate	Trace	-	50	43	c. 0	0	0·2
	Skegness	-	-	53	42	bc	bc	24
England, E.	Felixstowe	-	-	55	44	bcm	bc	2·0
	Walton-on-Naze							
	Southend-on-Sea	-	-	55	44	0.c	c.bc.by	1·0
England, S.E.	Margate	-	-	56	45	0	0	0·6
	Hastings	Trace	-	54	45	od	0	0·0
	Eastbourne	-	-	54	47	0.c	0.q	0·0
	Seaford	*	*	53	47	0	0	0·0
	Brighton							
	Worthing	-	-	56	44	0	0	0·2
	Littlehampton							
	Bognor	*	*					
	Bournemouth	-	-	58	47	0	c. 0	1·5
Scotland, W.	Oban	-	1	51	46	0.c	0.r	0·0
Eng. N.W.	Morecambe	Trace	3	50	46	*	*	0·0
	Southport	-	2	51	47	0	0.r.0	0·0
Midlands.	Ross-on-Wye	-	-	58	48	b.c.0	bc	0·0
	Malvern	-	-	56	45	bc.c.0	0	0·0
Wales.	Rhyl	Trace	1	55	49	c	0	0·5
	Colwyn Bay	-	1	56	50	c	c.p	0·2
	Llandudno	*	*	53	49	cp	0p	0·1
	Aberystwyth	*	*	51	48	r. 0	c. 0	0·1
England, S.W.	Weymouth	*	*	56	48	c	0	0·0
	Torquay	-	-	57	48	c.bc.0	0.c.bc	1·2
	Paignton	*	*	57	48	bc 0	0	0·2
	Penzance	Trace	Trace	55	48	om	of	0·0
	Newquay	Trace	Trace	53	47	fe	fe	0·0
	Ilfracombe	Trace	Trace	54	48	f	f	0·0
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 20TH NOVEMBER

	STATIONS.	Evening of 19th: Barom. Millibars at M.S.L.	Evening of 19th: Temp.	Evening of 19th: Wind Direc.	Evening of 19th: Wind Force 0-12.	Evening of 19th: Weather.	Morning of 20th: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel														*	
	Gorki							*							*	
	Velieki Luki							*							*	
	Hangö						992·0	-6	39	+3	NNW	5	r	1	*	36
	Petrograd						998·0	0	27	-9	SW	1	b	-	36	27
	Moscow														*	
	Kiev	1016·7	36	NW	4	b									*	
	Kharkov	1011·9	34	WSW	3	b									*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev	1026·1	37	-	0	b		*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1028·5	45	-	0	b	1024·5	*	39	-18	-	0	c	-	?	39
	Turin	10290	43	-	0	b	1026·2	*	36	+2	ENE	3	b	-	46	34
	Pesaro	1028·1	48	N	1	b	1025·3	*	43	-5	SW	1	0	-	55	?
	Leghorn	1026·5	50	-	0	b	1023·5	*	45	-1	-	0	bc	-	59	41
	Rome	1023·3	50	N	1	b	1022·9	*	45	-1	-	0	bc	-	63	43
	Viesti	1023·8	54	N	4	b	1022·7	*	54	+4	NW	4	b	-	58	48
	Brindisi	1021·5	57	N	5	b	1020·1	*	54	0	N	5	b	-	57	54
	Cagliari	1024·6	54	NNW	3	b	1023·3	*	48	0	NNW	4	b	-	61	46
	Palermo	1021·4	48	-	0	b	1020·7	*	45	-9	SW	1	b	-	61	43
	Tripoli	1018·6	63	NE	6	0	1020·2	*	63	+2	N	2	bc	-	72	57
	Algiers	10299	56	N	1	b	1029·5	0	54	-5	WNW	5	bc	-	63	54
Sweden	Hernösand						990·6	*	34		-	0	s	*	*	*
	Stockholm						991·6	*	43		WNW	6	0	*	*	*
	Wisby						995·6	*	45		W	6	b	*	*	*

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.
		°F	°F			
Isafjord	1002·4	28	-9	-	0	0
Reykjavik	1005·9	36	-1	-	0	c
Vestmanna	1006·0	39	-2	W	4	bc
Seydisfjord	997·0	28	-11	NW	9	b
Thorshavn	997·1	43	-5	WNW	6	0

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

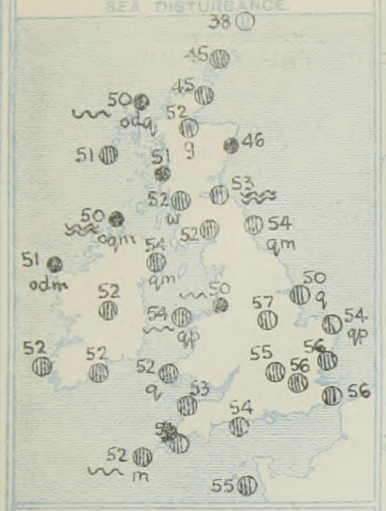
21st and 22nd Nov. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·26 / 7·28	11·39 / 11·39	3·52 / 3·50
Greenwich	7·29 / 7·31	11·46 / 11·46	4·3 / 4·1
Wick	8·16 / 8·18	11·58 / 11·58	3·40 / 3·38
Valencia	8·12 / 8·14	12·27 / 12·27	4·42 / 4·40

Printed at the Meteorological Office, South Kensington, London, S.W.7.
By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

‡ The barometric change is expressed in half-millibars.

THE MORNING OF WEDNESDAY, 21ST NOVEMBER, 1917.

TEMPERATURE WEATHER AND SEA DISTURBANCE.



FORECAST DISTRICTS.

EXPLANATION.

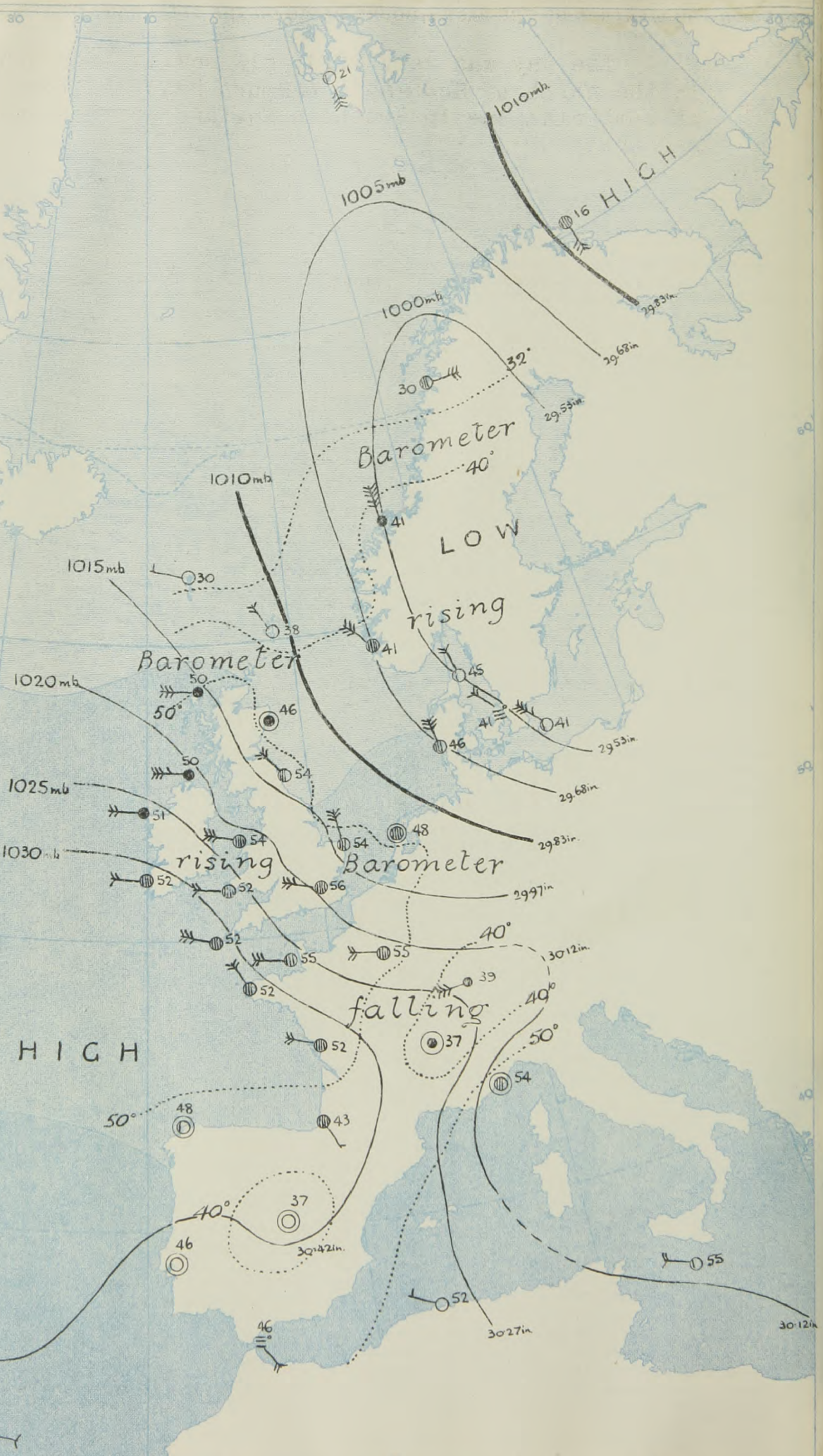
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

TEMPERATURE.—Given in degrees Fahrenheit; isotherms shown by dotted lines.

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

SEA DISTURBANCE.—Rough ~~ High ≈≈

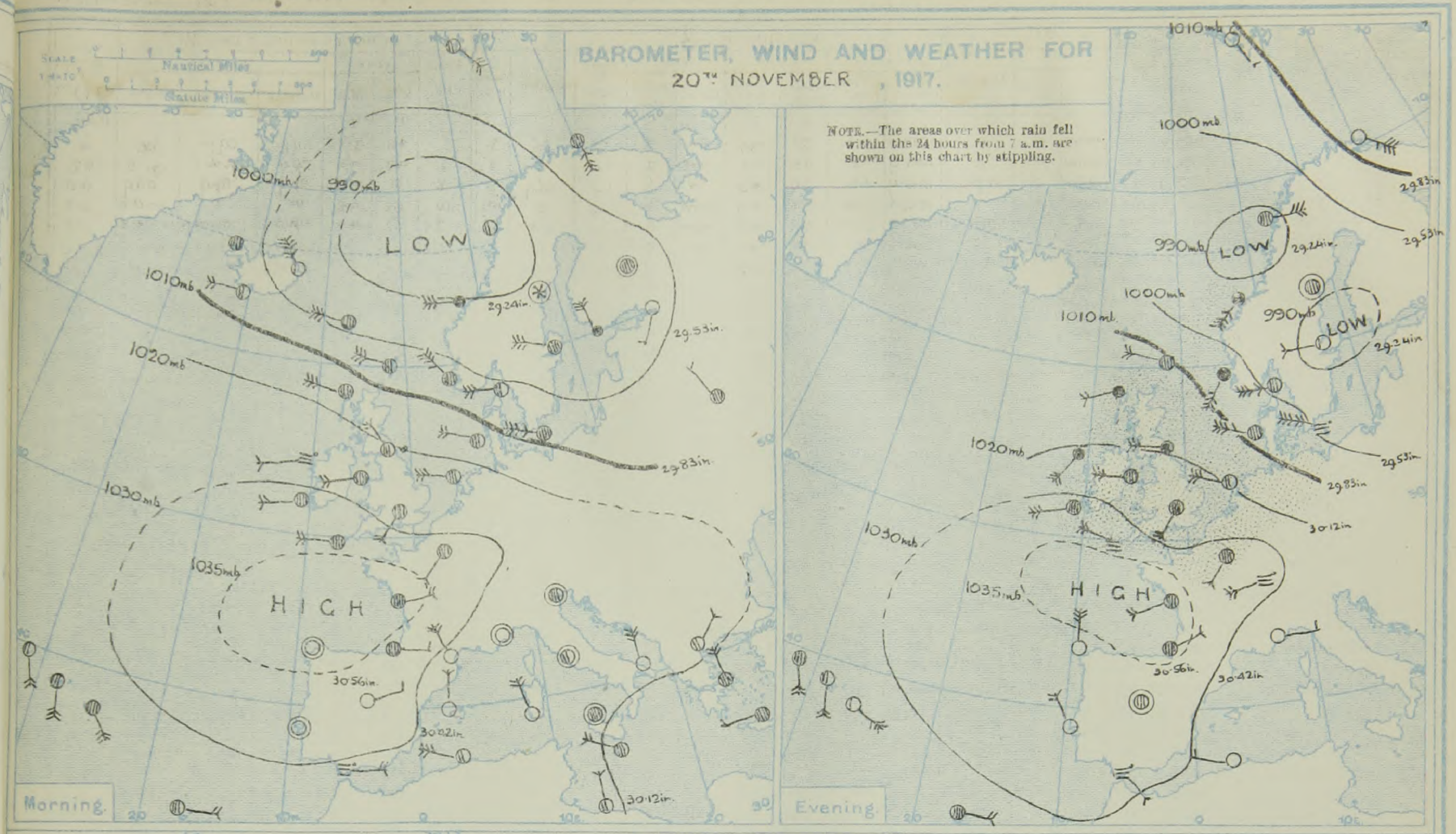


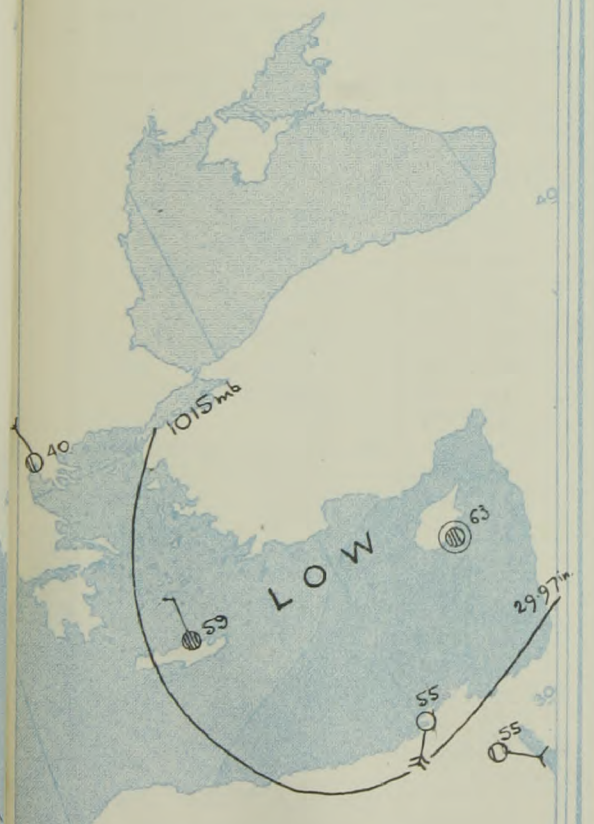
SCALE 1 : 5 x 10⁶
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

Below 50° | 50°-60° | 60°-70° | Above 70°

Scale of Tints for NOVEMBER.





The Present Situation.

A large depression occupies Scandinavia, while an anticyclone persists over the Bay of Biscay and the Azores. Between the two systems there is a strong gradient for Westerly or North-Westerly winds, which blow rather strongly at many of our coast stations.

The weather is dull over the British Isles and along the eastern border of the North Sea, with rain in Holland and at many stations in the United Kingdom except in the south-west. In the Shetlands and the Faeröe however, the weather has become fine.

The Gneral Outlook.

Secondary depressions that are forming over these islands will cause the weather to continue unsettled, with rain at times and fresh or strong West winds, probably backing to South-West again to-morrow. The abnormal mildness is likely to be replaced by somewhat colder conditions in the north before long.

R. G. K. LEMPFERT. Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No 325 [21ST NOVEMBER

	STATIONS.	Evening of 20th: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Force 0–12.	Weather.	Morning of 21st: 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.	24 hours ended 7 a.m. 21st: Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for 20th.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
British Islands.	Lerwick	1006·9	45	WNW	4	o	1013·0	+4	38	+0	NW	3	–	b	3	3	48	37	cqp	cqp	bc	*
	Deerness (Orkney)	1011·2	46	WNW	4	o	1013·9	*	45	−1	NW	2	–	o	2	2	48	44	cpq	cp.d.o	op.o	0·2
	Stornoway	1012·9	47	WSW	3	opq	1015·9	+6	50	+5	W	6	–	odq	5	8	51	45	opq	opq	odq	0·0
	Castlebay (Barra Isd.)	1015·4	51	WSW	4	r	10204	+4	51	+3	WNW	4	–	o	4	10	52	48	or	r	r.d.o	0·0
	Glasgow	1015·4	48	WSW	2	omd	1017·2	+4	52	+8	WSW	3	–	ow	*	7	52	43	op.o	c.omd.p	or.q.p.b	0·5
	Eskdalemuir	1019·8	46	?W	2	o	1016·9	+1	52	+8	W	5	–	o	*	5	52	42	o.dm.o	o.cg.o	o.or.o	0·0
	Malin Head	1018·6	50	WSW	5	omd	1020·9	+4	50	+2	W	7	–	omrq	7	11	51	47	omd	omd	omrq	0·0
	Blacksod Point	1023·9	51	SW	5	omd	10266	+2	51	+1	W	4	–	omd	4.	1	51	49	ofe	ofd	od.omd	*
	Valencia (Cahirciveen)	1031·2	54	WSW	5	o	1032·2	0	52	−2	W	3	–	o	0	1	54	52	omdf	f.m.o	c.o	0·0
	Roche's Point	1030·0	54	W	2	c	1030·2	*	52	+2	W	3	–	o	3	–	57	49	o.c.o	o.c	o	*
	Birr Castle	1027·2	53	W	2	o	1027·8	*	52	−1	W	2	–	o	*	1	54	51	od.o	od.o	o	0·0
	Donaghadee	1020·7	53	W	4	odmpq	1019·5	+3	54	+7	W	5	–	omq	4	2	54	47	ogrm	omqp.d	ompq	*.
	Liverpool (Bidston)	1023·3	49	WSW	6	r	1020·5	+1	50	+3	WSW	5	W	r	5	7	55	47	od	or	orq	0·0
	Holyhead	1024·5	54	W	5	og	1023·0	+2	54	+3	WNW	6	–	opq	5	2	55	51	a.c.fe	oe.p.o	op.oq	0·0
	Pembroke (St. Ann's)	1028·8	52	WSW	3	c	†1021·7	+1	52	0	W	3	SW	oq	3	1	53	51	f	f.c	f.or.oq	0·0
	Hartland Quay	1030·6	53	WSW	4	o	1028·7	0	53	0	W	3	–	o	4	Trace	57	52	ofom	om	om.o	*
	Scilly (St. Mary's)	1033·0	52	WNW	4	fe	1032·0	−1	52	0	WNW	6	NW	om	6	0·3	53	49	c.fe	fe	fe.bc.o	0·0
	Falmouth	1031·9	53	W	4	oem	1029·2	0	51	−1	WNW	7	–	c	*	–	55	50	oem.o	o.oem	oem.oq	0·0
	Jersey (St. Aubin)	1031·7	54	WSW	4	omd	1027·0	*	55	+2	W	5	W	c	3	0·1	55	53	o	omd	omd.oc	0·0
	Portland Bill	1028·2	54	WSW	5	c	1023·7	−1	54	+5	WNW	5	NW	c	4	–	54	48	bc	bc.c	c	*
	Dungeness	1025·5	53	WSW	4	c	1016·9	−2	56	+7	W	5	W	c	4	1	56	?	c	o.c.	c.oe	*
	Dover	*	*	*	*	*													*	*		
	Wick	1012·7	46	WSW	2	omqr	1014·0	+4	45	0	WNW	1	–	o	2	6	48	45	bcmpq	ompq	omdpr	*
	Nairn	1013·3	48	W	1	og	1014·5	*	52	+4	WSW	1	–	c	1	3	52	46	q.e.bc	bc.c	odpg	1·2
	Aberdeen	1014·8	48	–	0	o	1014·1	+3	46	0	–	0	–	r	2	7	51	45	c.oq.c	bcq.o	or	0·5
	Leith	1016·4	50	W	3	c	1014·5	+1	53	+6	W	2	NW	c	3	1	54	46	cq.e.u.c	c.bc.qc	o.q.u.c	*
	Tynemouth	1018·3	50	W	5	omqr	1013·6	+1	54	+8	NW	4	NW	oqm	3	6	54	46	omq	omqr	orqm	*
	Spurn Head	1020·7	49	W	4	bqm	1015·0	+1	50	+2	NW	5	–	cq	4	8	50	46	bcq	bqm	o.eq.r	?
	Yarmouth (Gorleston)	1024·3	52	WNW	2	b	1014·1	+1	54	+8	NW	5	–	cqp	4	6	55	45	bc	b	oqhn	2·2
	Clacton-on-Sea	1024·1	52	W	3	c	1017·3	0	56	+9	WNW	4	NW	c	3	3	56	46	bc.c	ce	q.o.r.o	0·8
	Nottingham	1023·0	54	W	3	r	1017·9	*	57	+8	WNW	5	NW	c	*	2	57	48	e.o	o.p	r.o	0·5
	Benson (Oxon.)	1025·8	53	SW	1	o	1020·5	+1	55	+4	W	4	–	o	*	0·1	55	51	– o	o	o.r	*
	Sth Farnborough	1027·2	54	W	4	o	1020·8	o	56	+6	WNW	4	–	c	*	0·4	56	56	o.c.odm	o.d.o	od.rq.c	0·4
	Salisbury Plain	1027·3	52	WNW	6	r	1023·3	0	51	+1	W	6	–	or	*	Trace	53	50		odm	orq	*
	London (Kew Obsy.)	1025·9	55	WSW	3	o	1019·9	+1	56	+6	WNW	3	–	o	*	1	56	50	om.o.bcq	o	o.r.o	1·0
Northern Europe.	Spitsbergen	1004·9	19	SSE	1	b	1008·7	−1	21	−7	S	7	*	b	*	*	28	12				
	Vardö	1010·4	16	SE	7	b	1013·0	+1	16	−3	S	5	–	o	4	*	19	16				
	Bodö	988·7	30	E	5	o	996·2	+3	30	−2	E	5	–	c	2	–	32	28				
	Christiansund	993·0	41	SW	8	r	1040·0	+3	41	0	SW	8	–	r	6	10	44	39				
	Skudesnaes	10042	45	SSW	7	r	1006·1	+1	41	−4	NW	6	–	o	5	2	45	41				
	Færder (X'iania Fjord)	9962	45	NW	4	b	10003	+4	43	−3	NW	4	–	b	3	–	48	41				
	The Scaw (Skagen)	997·5	45	W	8	c	9989	+1	45	−1	NNW	5	–	b	5	–	48	43				
	Blaavands Huk	1008·8	46	WNW	7	o	1005·1	−1	46	−2	NNW	6	–	c	*	Tr.	48	41				
	Copenhagen	10024	46	WNW	7	r	1000·6	−1	41	−4	NW	3	–	m	*	Tr	48	41				
	Bornholm	997·9	45	WNW	10	m	998·3	+2	41	−4	NW	7	–	b	2	2	46	39				
France, &c.	The Helder	10199	48	WNW	5	bc	1011·2	−2	48	−2	–	0	–	o	3	8	50	48				
	C. Gris Nez	1025·8	53	W	6	o	1018·0	−3	53	+3	W	5	*	o	4	9	54	50				
	La Hève	1029·2	52	S	4	o	1029·7	*	45	−3	WNW	6	*	o	5	1	52	43				
	Brest (St. Mathieu)	1035·2	53	WNW	3	o	1032·7	+1	53	+1	NNW	4	*	c	3	–	55	50				
	Rochefort (Ile d'Aix)	1035·9	47	WSW	3	o	1032·3	+2	53	+10	WNW	4	*	o	*	–	54	41				
	Biarritz	1036·0	45	ENE	2	o	1034·7	+1	49	−4	SE	1	*	o	2	–	48	41				
	Paris	1030·8	48	SW	2	o	1021·6	−4	55	+12	W	4	–	o	*	–	55	43				
	Belfort	1033·8	36	WSW	4	m	1023·8	*	39	+5	WSW	6	*	r	*	11	48	35				
	Lyons	1034·2	38	–	0	o	1028·2	*	38	+1	•	0	*	r	*	–	39	37				
	Nice	1021·5	50	E	1	b	1015·6	−4	55	+7	–	o	*	c	2	–	59	48				
	Perpignan														*							
	Sanguinaire							*					*									
Southern Stations.	Corunna	1033·9	55	N	5	b	1034·4	+1	48	+5	–	0	E	b	1	–	57	41				
	Madrid	1024·5	55	–	0	b	1031·8	0	37	−2	–	0	–	b	*	–	57	34				
	Lisbon	1029·8	57	NW	3	b	1028·6		46	−2	–	0	–	b	5	–	63	46				
	Azores (Horta)	1027·4	*	SSE	4	bc	1029·2	+1	64	+1	SSE	5	*	b	3	–	70	63				
	Madeira	1027·6	66	E	3	o	1028·2	0	61		E	2	N	o	0	–	72	61				
	Gibraltar	1028·8	53	SE	2	bc	10271	*	46	−1	–	0	*	c	3	–	64	44				
	Malta	*	*	*	*	*	1019·1	0	55	−4	WNW	3		b	3	–	61	55				
	Limassol	*	*	*	*	*	1010·4	+4	63	+2	–	0	–	c	0	8	63	54				
	Alexandria	1012·7	59	SSW	2	b	1013·9	0	55	−9	SW	4	–	b	2	–	68	50				
	Cairo (Helwan)	1014·9	59	–	0	o	1016·2	+2	55	−4	SE	2	W	b	*	–	68	48				

BEAUFORT NOTATION.

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

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 Meteorological Office.

LONDON — 21st Nov. ..... 9h. G.M.T.

	Humidity. 15 h. 20th	Humidity. 9 h. 21st	Sunshine for 20th	24 hours ended 9 h. 21st: Temperature. Max.	Temp. Min.	Temp. Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	89	89	1·1	57	51	48	1	c.o	o	o.or.od
CITY (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	87	87	0·6	58	51	48	2	om	or	od r
CAMDEN SQ. (British Rainfall)	88	89	0·2	57	50	48	2	o	o	*
HAMPSTEAD (Reservoir)	*	93	0·5	55	50	44	2	c.o.r	or	or
S. KENSINGTON (Museum Grounds)	*	90	1·1	57	54	52	2	o	o.or	or

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ..20th.....

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
190	6·2	22

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

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,454. THURSDAY, 22ND NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

The day was again very mild, the thermometer reaching 60° at many coast stations, and remaining above 50° generally in the South. There was scarcely any rain. Five or six hours of bright sunshine were recorded at Bournemouth, Torquay and Paignton, and three hours at Glasgow, elsewhere little or none. There was a good deal of coastal fog.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 21ST NOVEMBER

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 21ST
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	14	2	48	45	or	g.d.o	0·0
	Montrose	6	-	55	46	0	0	0·0
	St. Andrews	*	*	60	44	c	c	0·7
Eng. N.E.	Harrogate	Trace	-	55	49	c	c.o	0·5
	Skegness	4	Trace	56	50	0	od	0·0
England, E.	Felixstowe	2	1	56	46	cp	cp.bc	0·0
	Walton-on-Naze							
	Southend-on-Sea	3	-	58	50	0	0	0·0
England, S.E.	Margate	-	-	53	50	0	odg	0·0
	Hastings	1	-	59	52	o.r.c	0	0·3
	Eastbourne	Trace	Trace	60	52	og	bc	1·6
	Seaford	*	*	60	51	c	c.bc	0·6
	Brighton							
	Worthing	-	-	60	51	0	c	1·3
	Littlehampton	*	*	59	45			1·2
	Bognor	*	*					
	Bournemouth	-	-	58	53	bc.b	b	4·6
Scotland W.	Oban	9	Trace	52	46	0	r	0·0
Eng. N.W.	Morecambe	8	-	51	49	*	*	0·0
	Southport	9	-	51	49	0	0.c.0	0·0
Midlands.	Ross-on-Wye	-	-	60	54	c.bc	bc	1·9
Wales.	Rhyl	10	-	52	50	c.o	0	0·0
	Colwyn Bay	13	13	54	52	b.u	c.o	0·0
	Llandudno	*	*	55	51	c.	op	0·0
	Aberystwyth	*	*	52	49	r.o	c.o	0·0
England, S.W.	Weymouth	*	*	60	53	c.bc	bc	2·7
	Torquay	-	-	60	53	bc.b	b.bc.o	5·8
	Paignton	*	*	61	52	bc	bc	6·5
	Penzance	Trace	-	53	52	o.c	c.o	0·5
	Newquay	-	-	52	51	0	0	0·0
	Ilfracombe	Trace	Trace	52	50	df	f	0·0
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 21ST NOVEMBER

	STATIONS.	Evening of 20TH: Barom. Millibars at M.S.L.	Evening of 20TH: Temp.	Evening of 20TH: Wind Direc.	Evening of 20TH: Wind Force 0-12.	Evening of 20TH: Weather.	Morning of 21ST: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					F	°F
Russia, 7 a.m. and 9 p.m. Local Time.	Archangel	1008·0	-13	NE	4	c									*	
	Gorki	1006·3	39	-	0	0	989·9	*	37		-	0	0	4	*	36
	Vijni Volochek	995·0	23	SE	2	s	989·2	*	25		SE	2	0	2	*	23
	Hangö						987·9	+3	28	-11	NNE	4	s	-	*	27
	Petrograd	990·6	27	E	4	s	988·3	+1	23	-4	E	4	s	4	34	23
	Moscow	998·9	21	SE	1	o	991·3	-5	30		ESE	2	o	4	*	21
	Kiev	1007·1	41	w	4	o									*	
	Kharkov	1008·6	37	WSW	2	r									*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa	1015·8	43	w	3	o									*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1021·5	43	-	0	b	1015·4	*	39	0	-	0	c	-	52	39
	Turin	1023·1	43	-	0	b	1016·6	*	37	+1	-	0	0	-	50	36
	Pesaro	1022·5	41	SSW	1	b	1015·5	*	39	-4	SW	1	0	-	50	34
	Leghorn	1019·7	50	-	0	b	1017·8	*	46	+1	-	0	0	-	55	41
	Rome	1021·1	48	-	0	0	1017·7	*	37	-8	N	1	b	-	57	37
	Viesti	1019·3	54	NW	4	b	1016·2	*	52	-2	NW	1	b	-	55	48
	Brindisi	1017·7	54	NW	4	b	1015·8	*	54	0	NW	1	b	-	55	54
	Cagliari	1023·6	55	WNW	2	b	1019·3	*	50	+2	NW	4	b	7	53	46
	Palermo	1020·9	?	-	0	?	1019·5	*	46	+1	-	0	b	-	63	43
	Tripoli						1021·7	*	91	+28	N	4	m	44	99	55
	Algiers	1028·2	57	WNW	1	b	1026·8	-1	52	-2	WNW	1	b	-	64	50
Sweden	Hernösand	990·8	34	-	0	0	999·5	*	30	-4	-	0	0	*	*	*
	Stockholm	988·3	37	w	2	b	994·8	*	32	-11	N	2	bc	*	*	*
	Wisby	990·2	41	WSW	4	r	993·5	*	43	-2	N	6	0	*	*	*

Iceland.	Morning of 21ST: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.
		°F	°F			
Isafjord	1002·2	41	+13	SSW	6	b
Reykjavik	1007·1	41	+5	SSE	4	r
Vestmanna	1011·8	41	+2	SE	1	c
Seydisfjord	1009·2	25	-3	-	0	c
Thorshavn	1011·6	30	-13	WNW	1	b

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

22ND AND 23RD NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·28 / 7·29	11·39 / 11·39	3·50 / 3·49
Greenwich	7·31 / 7·32	11·46 / 11·46	4·1 / 4·0
Wick	8·18 / 8·20	11·58 / 11·58	3·38 / 3·36
Valencia	8·14 / 8·15	12·27 / 12·27	4·40 / 4·39

Printed at the Meteorological Office, South Kensington, London, S.W. 7.

* The barometric change is expressed in half-millibars

THE MORNING OF THURSDAY, 22ND NOVEMBER, 1917.

TEMPERATURE, WEATHER, AND SEA DISTURBANCE

FORECAST DISTRICTS.

EXPLANATION.

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

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

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

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◐ sky ½ clouded. ◍ sky ½ clouded.
◍ sky ⅞ clouded. ◍ overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊤, thunderstorm.

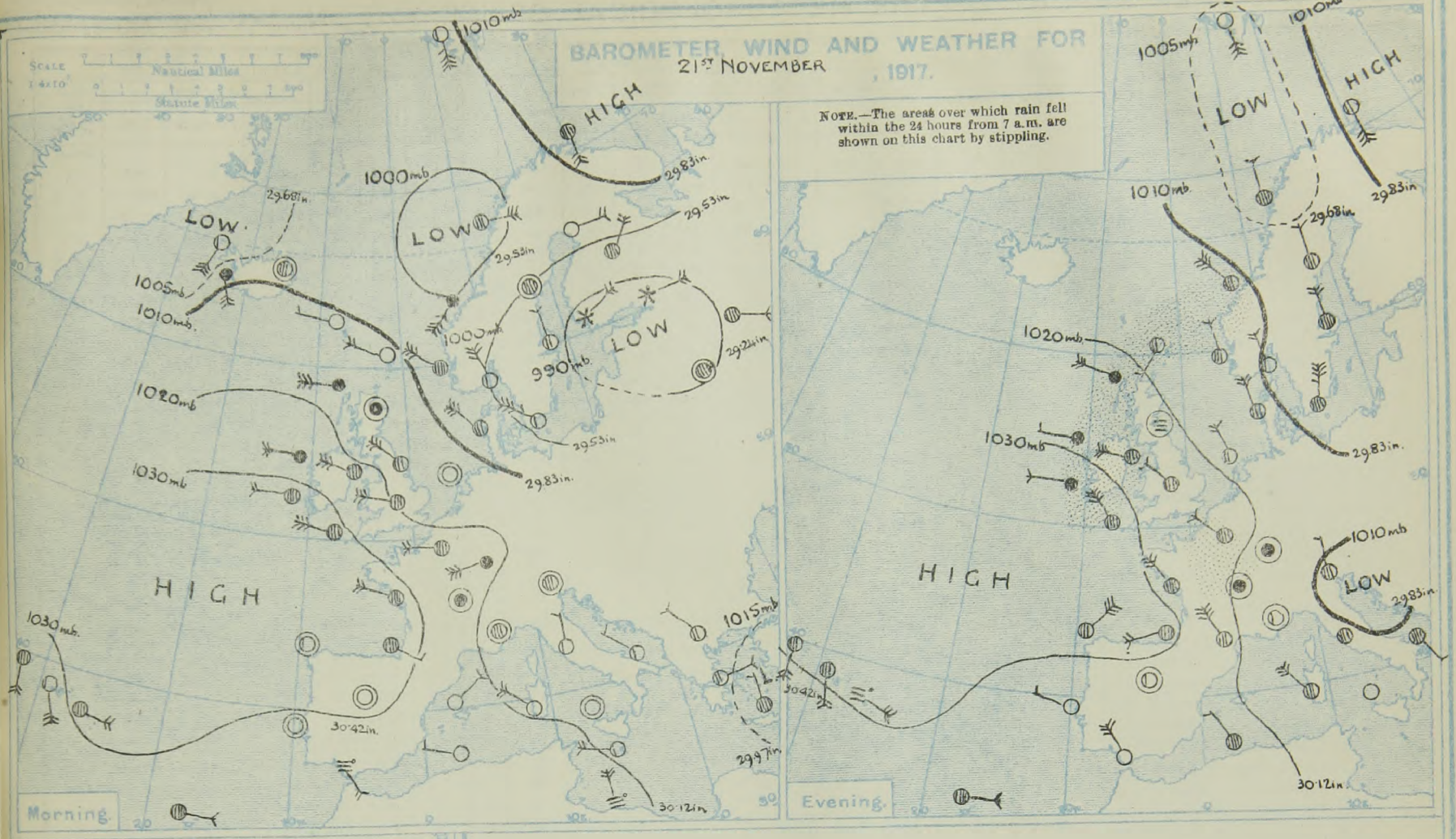
SEA DISTURBANCE.—Rough ~~~. High ≈≈.

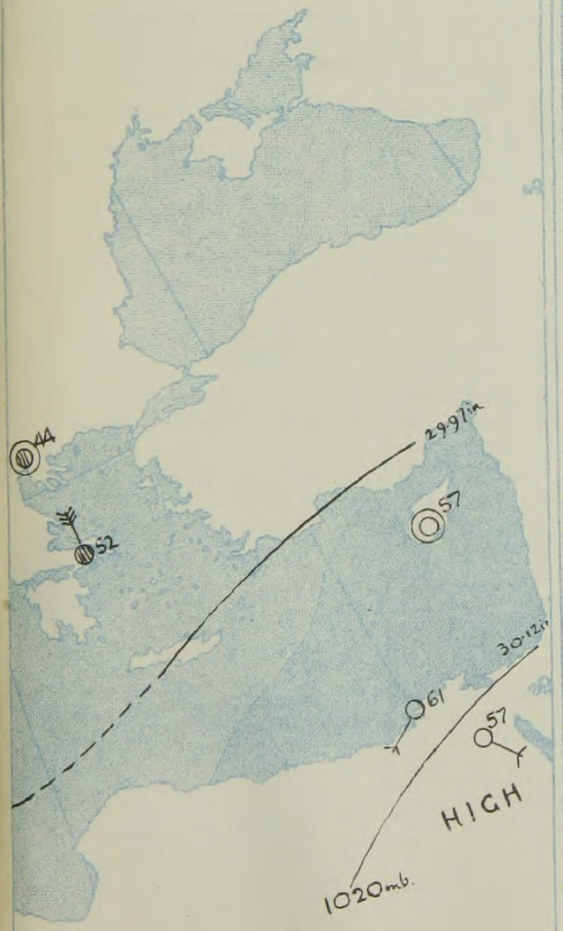
Scale 1 : 2×10⁷
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea

Below 50° | 50°–60° | 60°–70° | Above 70°

Scale of Tints for NOVEMBER.





The Present Situation

A large anticyclone still lies off our South-West coasts and covers a considerable area in this direction. A depression of moderate depth which is situated on the Norwegian coast, near the Arctic Circle, appears to be becoming deeper. The wind blows from between SW. and NW. over the whole of the British Isles and the North Sea, but has little strength, being especially light in the region surrounding the Straits of Dover. The sky is everywhere cloudy, and drizzling rain is very prevalent. There is mist or fog at many stations in the British Isles and Northern France.

The General Outlook

The barometric changes are slight and indefinite. Slight secondary disturbances to the primary systems moving eastwards along the Arctic Circle, continue to form over these Islands and will maintain dull to rainy weather with moderate breezes from between SW. and NW, the temperature continuing high.

R. G. K. LEMPFERT. Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 326. Thursday, 22nd NOVEMBER.

	STATIONS.	EVENING OF ....21st.. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF ....22nd.. 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.	24 HOURS ENDED 7 A.M. ....22nd. Rainfall Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 21st. Hours.
BRITISH ISLANDS.	Lerwick ...	1019·6	38	SW	1	bc	1014·1	-1	48	+10	SW	3	-	od	3	1	48	37	b	b	od	*
	Deerness (Orkney)	1020·0	45	SE	2	c	1016·9	*	48	+3	WSW	3	-	oe	2	1	45	45	o	o·c	opd·c	0·7
	Stornoway ...	1022·4	49	WNW	4	od	1019·3	-1	48	-2	WNW	4	-	bc	4	1	50	46	o·cpq	od	c·cpq	0·1
	Castlebay (Barra Isd.)	1025·2	47	WNW	3	d	1022·6	0	48	-3	NW	3	-	d	3	1	51	47	omp	ompd	cd·or·d	0·1
	Glasgow ...	1024·0	51	WSW	2	cq	1023·5	-1	46	-6	SW	2	-	cq	*	-	54	45	o·c·bc·c	c·bc·c·o	om·c·oz	2·8
	Eskdalemuir ...	1024·1	49	NNW	1	bc	1024·2	0	43	-9	SE	3	-	c	*	Trace	54	43	o·c	c·o·c·bc	bc·od·c	1·9
	Malin Head ...	1026·5	48	WNW	3	om	1023·7	-2	50	0	SW	3	-	omd	4	3	51	45	omd	om	omd	0·0
	Blacksod Point	1029·0	50	W	2	qfd	1027·4	-1	50	-1	WSW	3	-	ohe	3	3	51	49	omd	qfe	qfe·fp	*
	Valencia (Cahirciveen)	1032·7	52	W	2	od	1031·8	-1	52	0	-	0	-	od	3	1	54	51	od	od	o·od	0·0
	Roche's Point	1031·5	53	NW	3	o	1030·5	*	51	-1	NW	2	NW	bc	2	-	54	50	qg·c	c·qg	o·bc	*
	Birr Castle ...	1029·4	52	W	1	o	1028·9	*	52	0	W	1	-	r	*	0·2	53	50	o	o	od	0·0
	Donaghadee ...	1024·7	51	WNW	4	cmq	1024·9	-1	48	-6	WSW	2	-	omq	2	Trace	54	46	cg	opg	cmq·cm	*
	Liverpool (Bidston)	1026·0	49	WSW	4	o	1026·5	0	47	-3	WSW	3	W	o	3	1	52	47	oe	od	o	0·0
	Holyhead ...	10266	53	WNW	5	qg	1026·7	0	50	-4	WNW	3	-	o	2	Trace	54	49	o·c·qf	o·c·o	ome·o	0·0
	Pembroke (St. Ann's)	1028·9	53	WNW	3	o	1028·6	+1	52	0	WNW	2	-	o	3	0·2	53	51	oq·o	o·c·o	o·opd·o	0·0
	Hartland Quay	1029·2	53	NW	4	od	1028·6	0	53	0	NW	2	-	o	3	-	54	53	o	o	o	*
	Scilly (St. Mary's)	1031·8	50	NW	6	om	1030·4	0	52	0	NNW	4	NW	omd	5	0·2	52	49	oq	om	bc·qfd	0·0
	Falmouth ...	1030·1	52	NW	5	omq	1029·1	0	52	+1	N	2	-	f	*	-	53	50	oq	omq	oq·ome	0·0
	Jersey (St. Aubin)	1027·0	54	WNW	4	o	1028·0	*	54	-1	WNW	2	-	ome	1	-	56	54	bc·o	o·c·o	ome	0·1
	Portland Bill ...	1025·5	53	NW	4	bc	1027·4	0	52	-2	NW	2	-	c	3	-	57	51	bc	bc	bc·c·o	*
	Dungeness ...	1022·4	55	NW	4	c	1025·5	+1	52	-4	-	0	-	o	0	-	58	?	c	c	c·o·c·o	*
	Dover	*	*	*	*	*											*		*			
	Wick	1020·7	46	SW	1	o	1018·4	-3	47	+2	SW	1	-	o	3	0·3	49	45	od·cm	cm·odm	omp·dq	*
	Nairn	1021·2	52	W	2	bc	1018·6	*	49	-3	W	3	-	cg	2	-	53	47	cg	c·bc	bc·c	0·0
	Aberdeen	1022·2	47	-	0	omd	1019·8	-1	46	0	-	0	-	om	2	3	49	45	omd	omd	omd	0·0
	Leith	1022·8	53	W	1	o	1021·6	0	47	-6	WSW	2	W	b	2	-	57	46	c·bc·c·o	o	o·c·bc·b	*
	Tynemouth ...	1022·6	52	-	0	qf	1020·3	0	47	-7	NW	2	NW	cm	3	-	56	46	omq	qf	om	*
	Spurn Head ...	1023·2	50	NNE	3	odq	1024·2	0	48	-2	WNW	2	-	om	3	2	51	47	od	odq	om	c·0
	Yarmouth (Gorleston)	1020·3	50	N	4	om	1024·2	0	49	-5	WSW	1	-	qf	3	-	55	46	cpq·omd	omd	om·f	0·0
	Clacton-on-Sea	1022·9	54	WNW	3	r	1025·8	0	50	-6	W	1	-	o	1	1	57	48	oq·pd	ogd	ogd·me	0·0
	Nottingham ...	1024·3	53	NW	3	o	1025·4	*	51	-6	WNW	2	W	o	*	-	57	50	c·o	c·o	o	0·4
	Benson (Oxon.) ...	1024·3	54	NW	3	o	1025·9	0	50	-5	-	0	-	omd	*	2	58	50	o·p	c·o	omd	*
	Sth Farnborough	1025·2	56	NW	3	r	1026·8	0	50	-6	WNW	2	-	om	*	1	56	49	cr·o·c·o	o·b	b·om	0·0
	Salisbury Plain	1025·9	53	NW	4	e	1027·2	0	50	-1	NW	2	-	o	*	Trace	56	50			omd	*
	London (Kew Obsy.)	1024·4	56	NW	2	o	1026·7	0	51	-5	WSW	1	-	om	*	1	59	51	o·od·or·o	o	o·or·om	0·1
NORTHERN EUROPE.	Spitsbergen ...	1003·9	23	S	6	b	998·8	-3	21	0	S	7	*	bc	*	*	23	12				
	Vardö	1013·8	14	S	5	bc	1007·8	-5	12	-4	S	S	-	c	3	*	16	14				
	Bodö	1003·5	37	N	2	o	992·2	-7	36	+6	E	4	-	o	2	-	37	30				
	Christiansund ...	1012·3	43	NW	6	c	1005·5	-5	45	+4	W	6	-	r	5	4	45	37				
	Skudesnaes ...	1016·7	41	NNW	2	c	1015·5	-2	43	+2	WNW	2	-	o	3	2	41	39				
	Færder (Tjania Fjerd)	1010·8	43	NW	5	b	1011·2	-4	41	-2	SW	4	-	c	2	-	45	39				
	The Scaw (Skagen)	1009·5	45	NNW	3	b	1014·0	-1	39	-6	SW	2	-	c	2	-	46	37				
	Blaavands Huk	1013·5	45	NNW	4	c	1019·9	+1	45	-1	NW	3	-	o	*	-	48	43				
	Copenhagen ...	1009·5	41	N	3	b	1017·4	+2	37	-4	NW	2	-	m	*	-	48	37				
	Bornholm ...	1006·2	41	NNE	7	o	1015·9	+2	37	-4	NW	3	-	b	1	-	41	36				
FRANCE, &c.	The Helder ...	1019·5	48	NNW	3	bc	1024·6	+1	46	-2	WNW	1	NW	bc	1	-	50	46				
	C. Gris Nez ...	1022·6	54	NW	5	o	1027·8	+1	59	-6	-	0	*	m	0	-	52	50				
	La Hève	1023·9	53	NW	4	o	1026·3	*	52	+7	NNW	2	*	f	2	3	54	45				
	Brest (St. Mathieu)	1031·5	50	NW	5	o	1030·7	0	51	-2	NNW	3	*	m	3	-	54	50				
	Rochefort (Ile d'Aix)	1028·6	43	NW	5	o	1028·6	0	52	-1	NW	3	*	f	*	-	55	52				
	Biarritz	1032·6	48	WSW	3	o	1029·8	+1	54	+10	NW	3	*	o	3	1	52	44				
	Paris	1022·7	54	NW	3	o	1027·0	+2	53	-2	-	0	-	o	*	2	57	52				
	Belfort	1019·4	45	-	0	r	1027·1	*	41	+2	SW	7	*	b	*	10	45	39				
	Lyons	1016·8	48	-	0	r	1025·5	*	48	+10	N	2	*	o	*	19	52	38				
	Nice	1011·4	48	-	0	b	1014·8	+3	46	-9	E	1	*	b	2	-	57	43				
	Perpignan ...	1022·4	59	NW	6	e	1024·0	+4	57		NNW	8	N	bc	*	-	59	55				
	Sanguinaire ...	1013·1	53	SW	4	m	1012·4	*	55		E	3	*	m	5	-	57	48				
SOUTHERN STATIONS.	Corunna	1032·7	55	NE	6	c	1032·0	+1	55	+7	NE	5	-	o	3	-	55	54				
	Madrid	1025·6	57	-	0	b	1027·8	+2	46	+9	NE	1	-	b	*	-	61	37				
	Lisbon	1025·9	59	WNW	1	b	1024·0	0	54	+8	N	3	-	b	5	-	63	46				
	Azores (Horta) ...	1030·4	*	SSE	4	e	10322	0	61	-3	N	1	*	o	2	-	68	61				
	Madeira	1026·6	66	E	2	o	1026·4	0	57	-4	NE	2	o	b	2	-	70	57				
	Gibraltar	1024·4	54	NW	5	b	1022·7	*	52	+6	NW	4	*	b	3	-	67	45				
	Malta	*	*	*	*	*	1011·9	-1	57	+2	SW	2	-	r	1	Trace	63	55				
	Limassol	*	*	*	*	*	1015·1	+2	57	-6	-	0	-	b	0	4	70	52				
	Alexandria ...	1009·1	63	W	3	c	1019·1	+2	61	+6	WSW	2	-	b	1	5	72	54				
	Cairo (Helwan) ...	1016·7	63	SE	2	o	1020·4	+4	57	+2	SE	2	-	b	*	-	70	52				

LONDON 22nd NOV. 9h. G.M.T.	Humidity. 15 h. 21st. %	Humidity. 9 h. 22nd. %	Sunshine for 21st. Hours.	24 Hours ended 9 h. ....22nd. Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	83	95	0·0	58	51	49	1	o·od	o	od·o
CITY (Bunhill Row)	*	*	0·1	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	81	90	0·1	59	51	49	1	omr	m	me
CAMDEN SQ. (British Rainfall) ..	87	93	0·1	59	51	48	1	or·o	o	*
HAMPSTEAD (Reservoir)	*	99	0·0	56	48	42	1	c·od	o	c
S. KENSINGTON (Museum Grounds)	*	91	0·1	59	52	50	1	od·or	o	o·or·om

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during .. 21st.

Total. Joules.	Average Rate. Milliwatts.	Max. Rate. Milliwatts.
90	2·9	16·0

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

BEAUFORT NOTATION.

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

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 Meteorological Office.

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,455. FRIDAY, 23RD NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

The abnormally mild weather continued yesterday, the maximum being little short of 60° at Ross and some southern coast stations. A few millimetres of rain fell in Northern Scotland and in Ireland. At Ross there were five hours of bright sunshine, and about four at Harrogate and Skegness, but generally there was none.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 22ND NOVEMBER

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 22ND
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	-	2	51	45	0	or.o	0·0
	Montrose	-	"	53	47	0	0	1·0
	St. Andrews							
Eng. N.E.	Harrogate	-	-	51	43	b.bc.c	bc.c.o	4·3
	Skegness	1	-	53	46	0	b	3·7
England, E.	Felixstowe	Trace	-	56	48	f.bcm	bc	0·0
	Walton-on-Naze							
	Southend-on-Sea	Trace	-	54	49	0	0b	0·0
	Margate	Trace	-	53	49	0	0	0·0
	Hastings	1	-	56	51	0d. 0	o.bc	0·1
	Eastbourne	-	-	54	49	c	c	0·0
	Seaford	*	*	55	49	c	o.m	0·5
	Brighton							
	Worthing	-	-	55	50	c	bc	0·6
	Littlehampton	-	-	55	49			1·2
	Bognor	*	*					
	Bournemouth	-	-	*	*	0	o.bc.o	1·7
Sc'tld W.	Oban	Trace	Trace	50	47	0	or	0·0
Eng. N.W.	Morecambe					*	*	
	Southport	Trace	1	50	47	0	od.r.c.b.od	0·0
Midlands.	Ross-on-Wye	-	-	59	47	bc.b	bc.c	5·2
Wales.	Rhyl	1	1	53	48	r	od	0·0
	Colwyn Bay	-	1	55	48	cd	cd	0·0
	Llandudno	*	*	53	48	c.r	r	0·0
	Aberystwyth	*	*	51	47	r.o.c	c.o	0·0
England, S.W.	Weymouth	*	*	57	52	bc.c	bc.c3	1·2
	Torquay	Trace	-	58	53	c.bc.b	bc.c0	2·8
	Paignton	*	*					
	Penzance	1	-	57	51	c.bc	c.o.f	1·8
	Newquay	Trace	Trace	53	51	fc	fc	0·0
	Ilfracombe	Trace	-	53	50	0	0	0·0
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 22ND NOVEMBER

	STATIONS.	Evening of 21ST: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 22ND: Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel														*	
	Gorki	988·3	34	-	0	0	995·4	*	32	-5	W	1	0	18	*	41
	VimiVolochek	992·3	23	E	2	S	989·9	*	18	-7	WSW	1	0	2	*	18
	Hangö	1003·3	23	-	0	b	1008·7	0	19	-9	-	0	b	2	*	18
	Petrograd	996·7	19	NNE	4	S	1003·4	0	19	-4	NNW	4	0	2	27	19
	Moscow	992·0	36	SSE	3	0	993·0	+2	34	+4	SSW	2	0	1	*	34
	Kiev														*	
	Kharkov	998·4	39	S	4	r									*	
	Kishinev	999·8	43	S	1	0	1004·6	+4	34	-7	NW	2	b	-	*	34
	Elisabetgrad	998·9	37	SSW	2	c	1001·2	+3	34	-5	SW	2	r	2	*	34
	Nicolaiev	1001·9	41	SSW	3	b	1002·6	*	39	-2	WSW	2	0	1	*	37
	Odessa	1002·4	39	WSW	3	b	1004·3	+4	37	-2	NNW	3	0	-	*	?
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1009·7	41	N	1	c	1016·3	*	41	+2	N	1	0	-	45	39
	Turin	1013·0	45	-	0	b	1015·8	*	39	+2	-	0	b	-	52	37
	Pesaro	1009·8	52	SW	2	0	1016·2	*	45	+6	-	0	0	-	54	41
	Leghorn	1011·7	50	-	0	bc	1013·4	*	48	+2	-	0	b	-	50	46
	Rome	1012·6	48	-	0	0	1012·7	*	46	+9	N	1	b	-	54	45
	Viesti	1008·3	54	N	1	0	1012·3	*	55	+3	NW	1	0	-	57	54
	Brindisi	1011·9	50	SE	1	0	1011·1	*	?		S	1	0	-	59	50
	Cagliari	1015·3	57	NW	5	c	1009·9	*	52	+2	N	5	c	3	61	48
	Palermo	1016·7	52	-	0	b	1009·9	*	54	+8	-	0	r	4	64	43
	Tripoli	1021·0	52	SW	2	b	1021·7	*	52		-	0	bc	4	72	48
	Algiers	1024·0	55	WNW	1	0	1022·0	0	52	0	W	1	b	-	63	52
Sweden	Hernösand	1008·3	27	N	2	c	1006·2	*	30	0	-	0	0	*	*	*
	Stockholm	1005·6	32	N	4	0	1010·7	*	32	0	S	2	bc	*	*	*
	Wisby	1003·2	37	N	6	0	1012·3	*	36	-7	SSW	2	0	*	*	*

Morning of 22ND:

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	991·6	32	-9	W	8	S
Reykjavik	1002·4	36	-5	SW	6	c
Vestmanna	1006·8	37	-4	W	9	b
Seydisfjord	998·6	34	+9	SW	8	c
Thorshavn	1008·2	41	+11	W	6	0

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

23RD AND 24TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·29 / 7·31	11·39 / 11·40	3·49 / 3·48
Greenwich	7·32 / 7·34	11·46 / 11·47	4·0 / 3·59
Wick	8·20 / 8·22	11·58 / 11·59	3·36 / 3·35
Valencia	8·15 / 8·17	12·27 / 12·28	4·39 / 4·38

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‡ The barometric change is expressed in half-millibars.

THE MORNING OF FRIDAY, 23RD NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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.

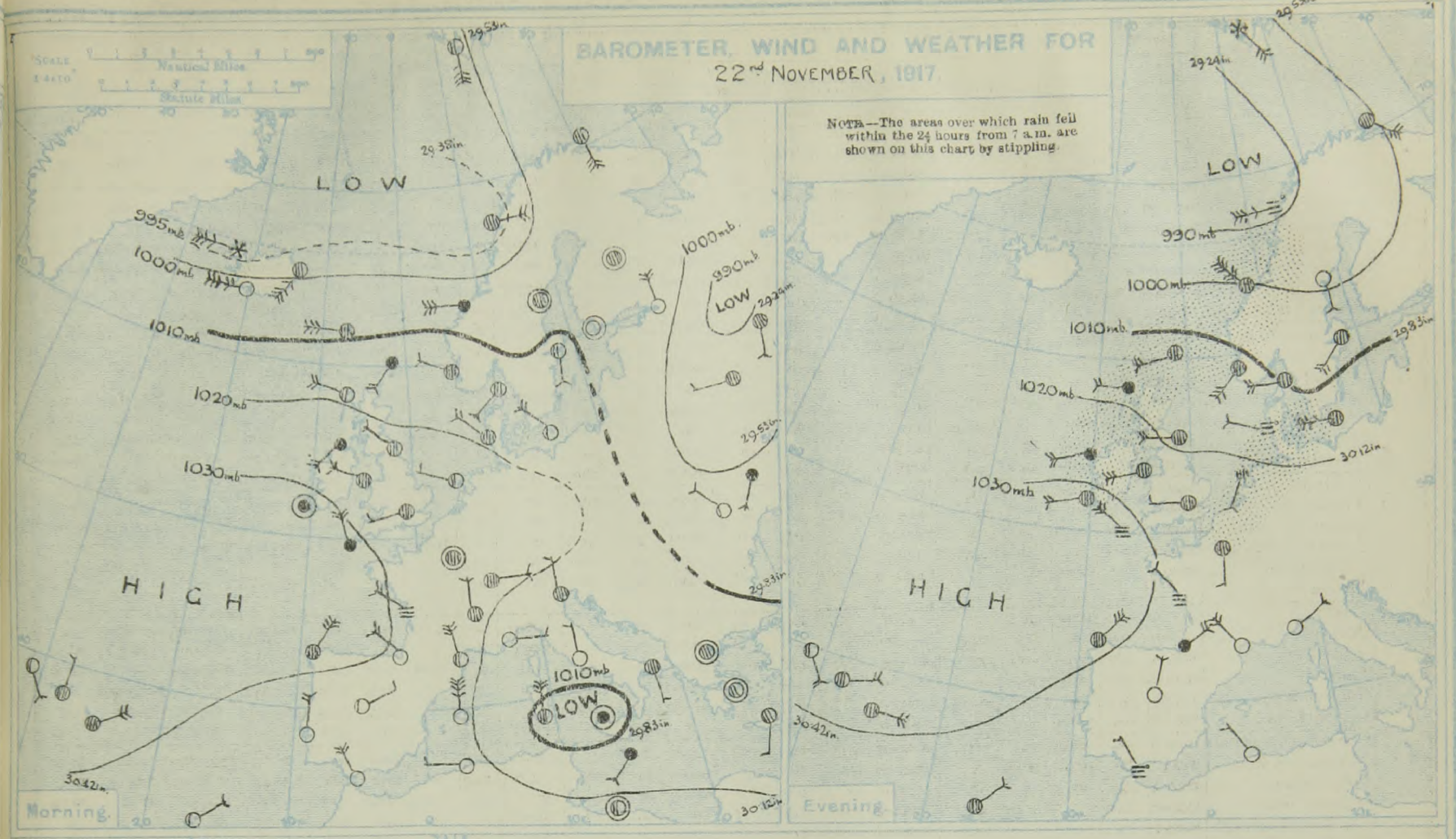
WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊤R thunderstorm.

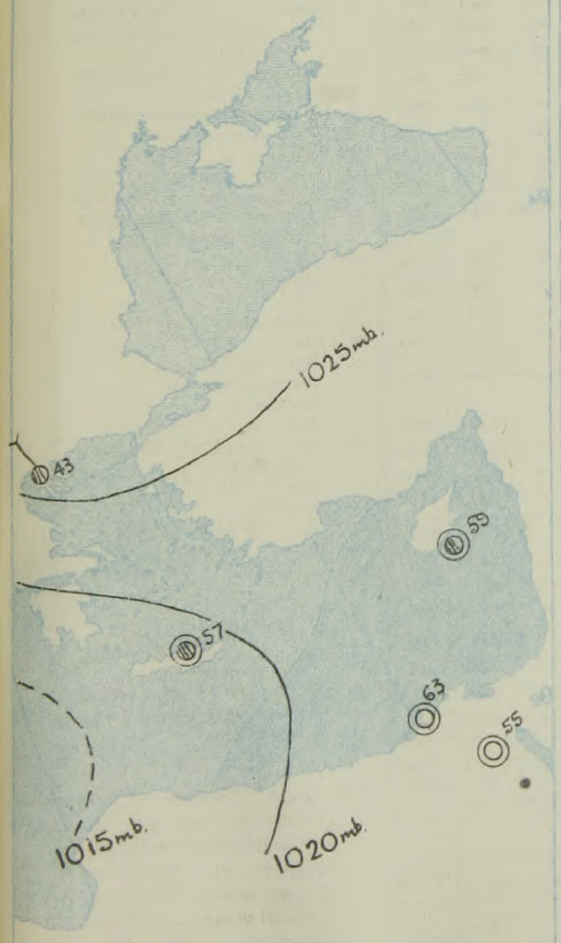
SEA DISTURBANCE.—Rough ~~ High ≈≈.

Normal Temperature of the Sea
Below 50° | 50°–60° | 60°–70° | Above 70°
Scale of Tints for NOVEMBER.

HIGH

LOW





Present Situation

The anticyclone off our South-West coasts has maintained its position, the barometer readings at the mouth of the Channel being above 1030 millibars. A depression of considerable depth has arrived off the Norwegian coast and has caused the Westerly wind over the Northern part of the North Sea to become strong. On our south West coasts and near the Straits of Dover the force is only light or moderate. Rain is falling at many stations in Scotland and Ireland, while over England conditions are somewhat fairer.

The General Outlook

There is likely to be a slight increase in the force of the Westerly breeze in all except the South-Western districts. The weather will be dull or rainy in the north and cloudy in Southern England, the temperature continuing rather high to day, but becoming somewhat colder in the north tonight.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 327. Friday, 23rd NOVEMBER

	STATIONS.	EVENING OF..22nd.. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Force 0-12.	Weather.	MORNING OF.....23rd..... 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.	24 HOURS ENDED 7 A.M...23rd Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for 22nd
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1012·1	44	WSW	3	c	998·2	0	43	-5	WNW	6	W	bcp	6	3	48	41	c.o	cp	bcp	*
	Deerness (Orkney)	1015·6	43	WNW	4	b	1004·4	*	43	-5	W	6	-	ogp	5	5	49	42	oe	o.c.bc	o.c.cpo	0·0
	Stornoway ...	1018·9	44	W	3	op	1010·9	-3	48	0	W	5	-	oq	6	3	48	43	c.or	or.op	c.opq	0·0
	Castlebay(Barra Isd.)	1022·0	47	WNW	3	o	1018·5	-1	49	+1	WSW	5	-	o	4	1	50	46	od	opd.o	o	0·0
	Glasgow ...	1020·2	47	SW	3	omd	1018·9	-3	47	+1	SW	4	-	oqu	*	c.4	51	45	omdp	omdp	odp oq	0·0
	Eskdalemuir ...	1021·0	48	SW	1	o	1020·9	0	44	+1	WSW	5	-	od	*	0.4	50	42	c.o.omd	omd.o	o.coq.o	0·0
	Malin Head ...	1021·8	47	NW	2	fe	1021·2	-2	48	-2	WSW	5	-	omdq	5	4	51	45	omd	fe	epq	0·0
	Blacksod Point	1023·6	50	WSW	4	omd	1023·9	-2	47	-3	W	3	-	omq	3	t	50	44	ofd	ofd	ofe	*
	Valencia(Cahirciveen)	1021·6	51	WSW	3	o	1020·8	+1	51	-1	WSW	3	-	o	0	t	53	51	fmd.o	o	o.bc.od	0·0
	Roche's Point	1020·1	51	WNW	2	c	1020·0	*	51	0	WNW	2	W	bc	2	0·1	56	49	c.opq	o.c	c.b.bc	*
	Birr Castle ...	1027·6	52	W	1	o	1027·5	*	51	-1	SSW	1	-	r	*	1	54	50	oz	o	od	0·0
	Donaghadee ...	1021·5	52	W	3	omq	1023·6	0	47	-1	W	3	SW	cgmq	2	0·2	54	47	cmq	cmq	bcmpq	*
	Liverpool (Bidston)	1024·0	49	WSW	4	c	1025·6	+3	48	+1	WSW	3	W	o	3	1	53	47	of	od	oq	0·0
	Holyhead ...	1024·7	54	WSW	5	ome	1025·5	+2	50	0	W	4	-	o	3	Trace	54	50	o.c.ome	o.ome	o.bc.o	0·1
	Pembroke(St. Ann's)	1028·0	53	WNW	2	o	1028·5	+1	52	0	WNW	2	W	c	3	-	54	48	o.c.o	o.c.o	c	0·4
	Hartland Quay	1028·6	54	WNW	2	o	1030·1	0	53	0	WNW	3	NW	o	4	-	54	52	o.om.o	o	c	*
	Scilly (St. Mary's)	1030·9	51	NW	4	fe	1032·1	0	51	-1	WNW	4	NW	c	5	0·3	53	51	om.cm	fe	c	0·3
	Falmouth ...	1029·2	52	NW	3	o	1031·0	+2	51	-1	NW	4	-	o	*	-	57	49	oe.c	c.o	o.bc.o	0·4
	Jersey (St. Aubin)	1027·7	52	WNW	2	c	1030·2	*	53	-1	WNW	2	NW	c	1	Trace	53	51	omde.o	ome.c	o.c	0·1
	Portland Bill ...	1026·6	54	W	3	bc	1027·4	+1	53	+1	NW	4	NW	c	4	-	53	52	bc	bc	bc.o	*
	Dungeness ...	1024·5	51	SW	3	c	1024·8	+2	51	-1	SW	4	SW	c	4	-	57	?	cm	c	be	*
	Dover	*	*	*	*	*													*	*		
	Wick	1017·0	44	WNW	2	o	1007·2	-6	46	-1	W	5	-	omq	4	0·4	49	40	ompd	ompdg	bc.opq	*
	Nairn	1018·6	44	W	1	cg	1011·6	*	47	-2	WNW	5	-	ogq	3	1	51	42	cg	cpd	oq	0·0
	Aberdeen	1018·4	46	NW	4	op	1011·8	-5	45	-1	WSW	3	-	bc	2	0·4	52	39	om.c	om.ep	op.c.b	0·6
	Leith	1018·8	50	W	2	o	1017·1	-1	48	+1	WNW	4	NW	c	3	-	53	45	bc.ogo	o	o.cuqc	*
	Tynemouth ...	1018·9	53	W	3	omq	1019·0	-1	47	0	WNW	4	NW	cq	3	-	53	44	cm	cmq	emq	*
	Spurn Head ...	1021·7	49	WNW	3	bcm	1022·3	+1	48	0	W	4	-	bc	3	0·4	50	46	bcm	bcm	bc	1·9
	Yarmouth(Gorleston)	1021·7	46	WNW	2	bc	1022·2	+2	51	+2	NW	2	-	bc	2	-	52	45	om	om.bc	bc	0·0
	Clacton-on-Sea	1024·1	53	WNW	3	c	1024·6	+1	50	0	WNW	3	NW	c	2	-	53	48	omq.c	c.o.c	c.bc.c	0·0
	Nottingham ...	1023·2	53	W	3	o	1024·4	*	50	-1	WNW	4	NW	c	*	-	55	50	o.bc	c.o	c.o	2·3
	Benson (Oxon.) ...	1025·0	50	W	1	o	1025·0	+3	48	-2	W	2	N	bm	*	1	54	45	om.b	bc.o	bc.o.b	*
	Sth Farnborough	1025·6	51	WNW	1	bc	1026·6	+2	51	+1	WNW	2	-	bc	*	1	55	47	od.om	o.c.o.bc	bc.b.o.bc	0·8
	Salisbury Plain	1026·2	49	WNW	4	o	1027·5	+2	50	0	WNW	4	-	o	*	Trace	54	48	bc	c.o	bc.c.o	*
	London (Kew Obsy.)	1024·9	52	W	1	om	1026·4	+2	51	0	W	2	-	om	*	0·1	54	50	o.omd.o	o.bc.om	om.o.om	1·2
NORTHERN EUROPE.	Spitsbergen ...	994·7	21	SE	5	s	996·6	+1	19	-2	SE	7	*	b	*	*	21	6				
	Vardö	997·9	14	SE	5	o	991·0	-3	16	+4	S	6	-	s	4	*	16	10				
	Bodö	986·6	30	W	8	r	979·9	-3	36	0	WSW	4	-	b	2	18	37	32				
	Christiansund ...	1001·0	43	NW	10	c	984·8	-16	41	-4	SE	8	-	c	5	10	45	36				
	Skudesnaes ...	1010·7	45	SW	5	o	1001·6	-8	45	+2	WNW	5	-	o	5	3	45	43				
	Færder(X'tania Fjord)	1004·6	46	WSW	4	o	1001·2	-4	43	+2	WSW	6	-	c	3	-	46	41				
	The Scaw (Skagen)	1009·2	45	W	4	o	1005·0	-1	43	+4	W	5	-	bc	5	-	46	37				
	Blaavands Huk	1016·0	46	WNW	2	m	1013·5	+1	45	0	WNW	2	-	c	*	2	46	43				
	Copenhagen ...	1015·0	43	WSW	3	r	1009·0	0	43	+6	W	4	-	bc	*	4	46	37				
	Bornholm ...	1014·9	43	W	7	c	1007·4	-1	45	+8	WNW	7	-	o	2	4	45	37				
FRANCE, &c.	The Helder ...	1021·1	48	SW	2	o	1019·8	+1	48	+2	WSW	2	-	c	1	Trace	50	45				
	C. Gris Nez ...												*									
	La Hêve	1026·2	51	W	2	o	1027·8	*	50	-2	NW	3	*	c	3	1	52	46				
	Brest (St. Mathieu)	1030·6	53	NNW	3	o	1033·8	+3	51	0	NW	4	*	o	3	-	54	50				
	Rochefort(Ile d'Aix)	1028·4	52	NW	2	f	1031·4	+1	50	-2	N	3	*	o	*	-	54	50				
	Biarritz	1028·3	54	NE	3	r	1030·2	?	54	0	-	0	*	o	2	?	55	54				
	Paris	1026·6	52	W	1	o	1027·9	+2	48	-5	-	0	-	o	*	Trace	54	46				
	Belfort							*					*		*							
	Lyons	1027·4	47	NNW	2	b	1029·8	*	40	-8	-	0	*	o	*	-	56	40				
	Nice	1022·3	53	NE	2	b	1025·6	0	46	0	-	0	*	b	2	-	66	43				
	Perpignan ...	1023·8	57	NW	4	b	1027·0	+1	55	-2	NW	2	NW	c	*	-	63	54				
	Sanguinaire ...	1020·2	57	S	3	m	1021·9	*	54	-1	E	3	*	c	4	-	64	48				
SOUTHERN STATIONS.	Corunna	1031·2	55	NE	5	o	1034·7	+3	55	0	N	5	-	bc	2	-	57	52				
	Madrid	1023·4	61	NNE	2	b	1030·4	+3	45	-1	NNE	1	-	b	*	-	63	43				
	Lisbon	1023·2	64	NNW	4	b	1025·8	+1	52	-2	NNW	4	-	b	5	-	66	52				
	Azores (Horta) ...	1032·2	*	ENE	3	c	1033·3	+1	61	0	E	4	*	o	3	-	68	61				
	Madeira	1024·4	64	NE	2	o	1026·3	+1	57	0	NE	2	-	bc	2	-	66	57				
	Gibraltar	1024·4	54	NW	1	m	1026·1	*	53	+3	E	3	*	m	3	-	65	51				
	Malta	*	*	*	*	*	1012·8	+3	57	0	NE	6	-	r	6	9	59	55				
	Limassol	*	*	*	*	*	1020·7	+1	59	+2	-	0	-	c	0	6	72	54				
	Alexandria ...	1021·8	63	W	2	b	1023·4	+1	63	+2	-	0	-	b	0	-	72	55				
	Cairo (Helwan) ...	1022·2	63	-	0	b	1023·4	+3	55	-2	-	0	-	b	*	-	73	55				

BEAUFORT NOTATION.

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

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 Meteorological Office.

LONDON 23rd NOVEMBER, 9h. G.M.T.	Humidity. 15 h. 22nd	Humidity. 9 h. 23rd	Sunshine for 22nd	24 Hours ended 9 h.....23rd. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	81	88	0·0	54	50	43	-	o.c	c.o	o.c.bc
CITY (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	97	87	0·4	55	50	43	Trace	bc	bc	od.bc
CAMDEN SQ. (British Rainfall) ..	81	93	0·0	55	49	43	Trace	o	o.c	*
HAMPSTEAD (Reservoir)	*	92	0·7	53	47	37	Trace	omd	o	bc
S. KENSINGTON (Museum Grounds)	*	87	0·9	55	50	46	Trace	o	o.bc	c.o.bc

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ..22nd

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
110	3·6	13·5

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

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,456. SATURDAY, 24TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

The thermometer again nearly touched 60° at a few coast stations, and remained above 50° at night on the south coast of England. Rain fell heavily in the north of Scotland, 29 mm. at Wick, 24 mm. at Stornoway, and 21 mm. at Deerness. From 3 to 5 hours of bright sunshine occurred locally even in Scotland.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 23RD NOVEMBER

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 23RD
		Mm.	Mm.	°F.	°F.			Hr.
Scot. lang, E.	Banff	-	1	48	39	od	od	0·0
	Montrose	-	-	52	45	b	b	1·8
	St. Andrews	-	-	51	40	b	b	3·8
Eng. N.E.	Harrogate	-	-	51	44	o	o.c.bcq	1·6
	Skegness	-	-	53	45	bc	o	3·0
England, E.	Felixstowe	-	-	54	48	bc	bc	4·1
	Walton-on-Naze							
	Southend-on-Sea	-	-	56	47	c	c.bc.b	2·8
England, S.E.	Margate	-	-	56	50	bc.b	bc	3·0
	Hastings	-	-	56	50	o.bc.b	o.bc	3·2
	Eastbourne	-	-	55	50	bc.b	b.bc.o	3·5
	Seaford	*	*	53	49	bc	bc	3·5
	Brighton							
	Worthing	-	-	55	48	b.bc	c	4·8
	Littlehampton	-	-	55	47			5·3
	Bognor	*	*					
	Bournemouth	-	-	56	51	b	o	2·6
Sc'tld W.	Oban	1	Trace	50	47	cp	o	0·0
Eng. N.W.	Morecambe	1	-	50	46	*	*	2·5
	Southport	Trace	-	51	47	bc c.bc ac	c.bc.c.o	0·2
Midlands.	Ross-on-Wye	-	-	58	48	c.bc.b	b.bc	2·7
	Malvern	-	-	55	50	b.bc	bc	4·0
Wales.	Rhyl	Trace	-	55	47	od	c.bc.c	2·5
	Colwyn Bay	Trace	Trace	54	49	c	bc	0·5
	Llandudno	*	*	53	49	c	c	2·0
	Aberystwyth	*	*	51	48	r.o	c.o	0·3
England, S.W.	Weymouth	*	*	56	51	bc	c.o	2·1
	Torquay	-	-	57	52	bc.c.bc	bc.c.o	3·3
	Paignton	*	*	59	52	bc	c	2·9
	Penzance	Trace	1	54	51	om	c.om.f	0·0
	Newquay	-	?	52	49	fc	fc	0·0
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 23RD NOVEMBER

	STATIONS.	Evening of 22ND: Barom. Millibars at M.S.L.	Evening of 22ND: Temp.	Evening of 22ND: Wind Direc.	Evening of 22ND: Wind Force 0–12.	Evening of 22ND: Weather.	Morning of 23RD: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel						9963	*	8		SSE	4	o	-	*	
	Gorki							*							*	
	Velieki Luki							*							*	
	Hangö						9962		37	+18	WSW	3	r	1	*	16
	Petrograd						9963	-5	36	+17	WSW	4	o	-	36	14
	Moscow														*	
	Kiev														*	
	Kharkov														*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Yurieff														*	
Mediterranean.	Venice	1025·8	46	-	0	b	1025·9	*	41	0	NE	1	b	-	54	39
	Turin	1026·5	45	-	0	b	1027·3	*	39	0	-	0	c	-	50	39
	Pesaro	1025·3	50	-	0	b	1026·1	*	39	-6	SW	1	b	Trace	54	34
	Leghorn	1024·3	50	-	0	b	1024·2	*	46	-2	-	0	b	-	57	43
	Rome	1021·0	48	N	1	b	1023·3	*	41	-5	N	1	b	-	61	39
	Viesti	1025·0	46	NE	1	c	1025·4	*	48	-7	W	1	bc	9	57	46
	Brindisi	1018·6	54	WSW	4	b	1021·9	*	54		NE	4	b	-	55	54
	Cagliari	1012·6	59	NNE	3	b	1021·7	*	54	+2	NW	3	b	-	63	50
	Palermo	1013·4	54	E	2	o	1019·5	*	59	+5	NE	1	o	10	66	50
	Tripoli	1017·3	63	SW	2	o	1018·6	*	54	+2	SW	3	r	10	82	48
	Algiers	1024·3	57	NW	1	b	1025·9	+2	57	+5	WNW	2	b	-	63	55
Sweden	Hernösand	999·5	32	S	2	b	991·8	*	32	+2	S	2	bc	*	*	*
	Stockholm	1004·2	36	SW	4	o	9979	*	39	+7	W	2	b	*	*	*
	Wisby	1010·3	39	WSW	2	b	1000·6	*	43	+7	W	4	b	*	*	*

Morning of 23RD

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	991·0	23	-9	W	2	o
Reykjavik	994·4	30	-6	W	7	c
Vestmanna	996·6	34	-3	NW	6	bc
Seydisfjord	989·0	21	-13	NW	8	s
Thorshavn	991·0	36	-5	WNW	6	o

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

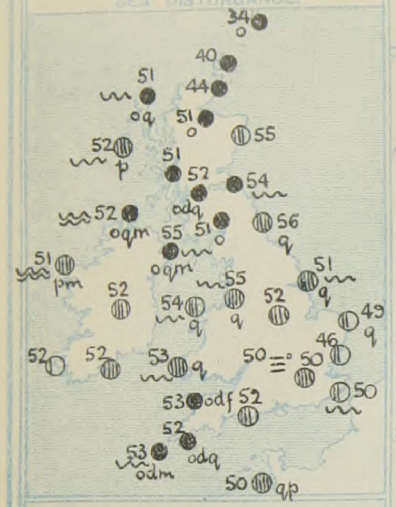
24TH AND 25TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·31 / 7·33	11·40 / 11·40	3·48 / 3·47
Greenwich	7·34 / 7·36	11·47 / 11·47	3·59 / 3·58
Wick	8·22 / 8·24	11·59 / 11·59	3·35 / 3·33
Valencia	8·17 / 8·19	12·28 / 12·28	4·38 / 4·37

Printed at the Meteorological Office, South Kensington, London, S.W. 7.
By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

‡ The barometric change is expressed in half-millibars.

THE MORNING OF SATURDAY, 24TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



FORECAST DISTRICTS.

EXPLANATION.

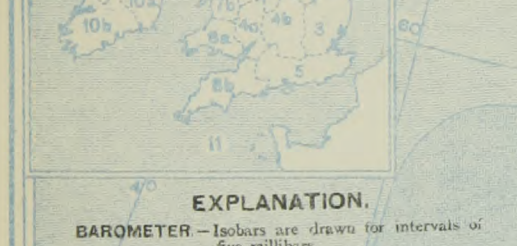
BAROMETER.—Isobars are drawn for intervals of five millibars.

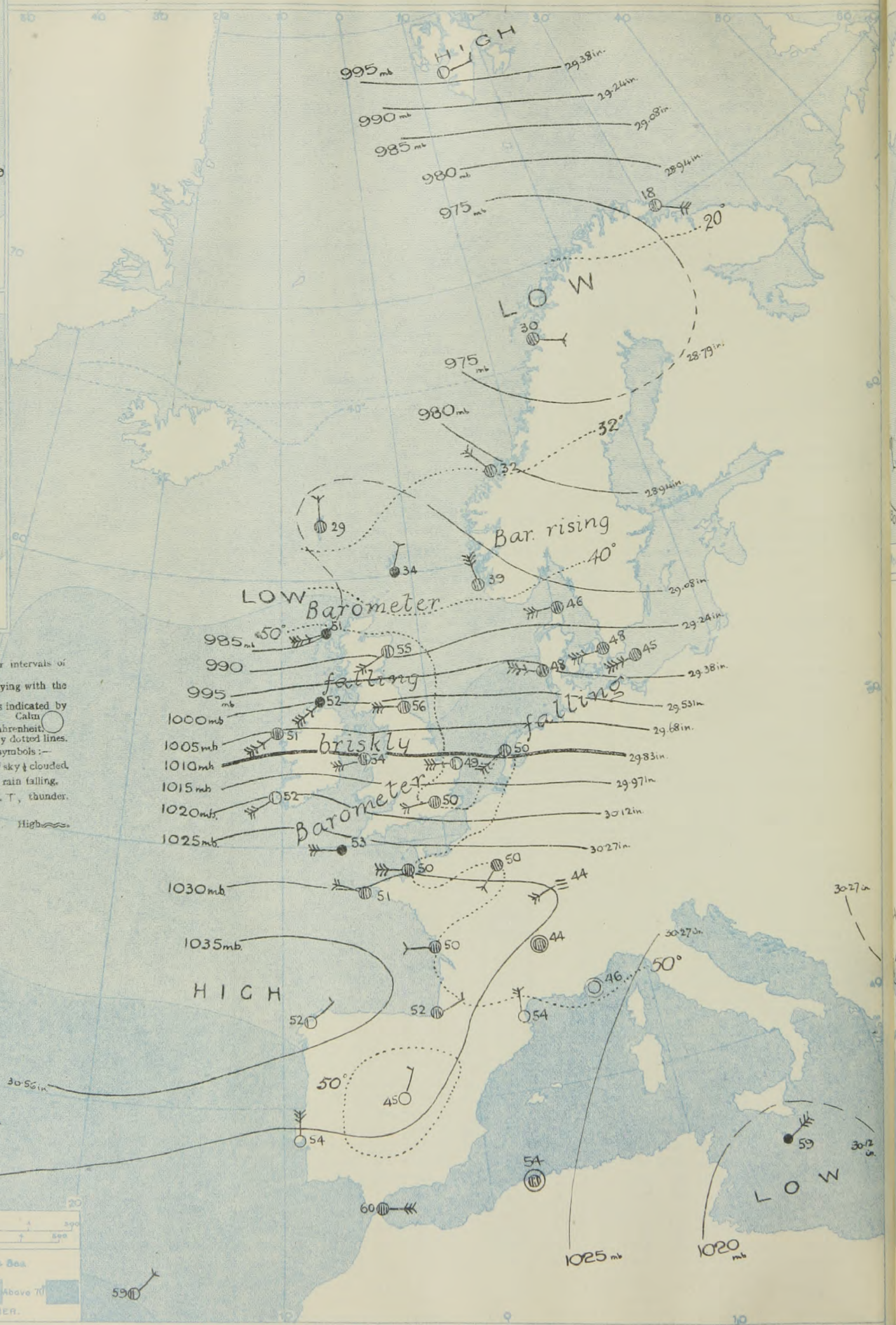
WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers. Calm ◯

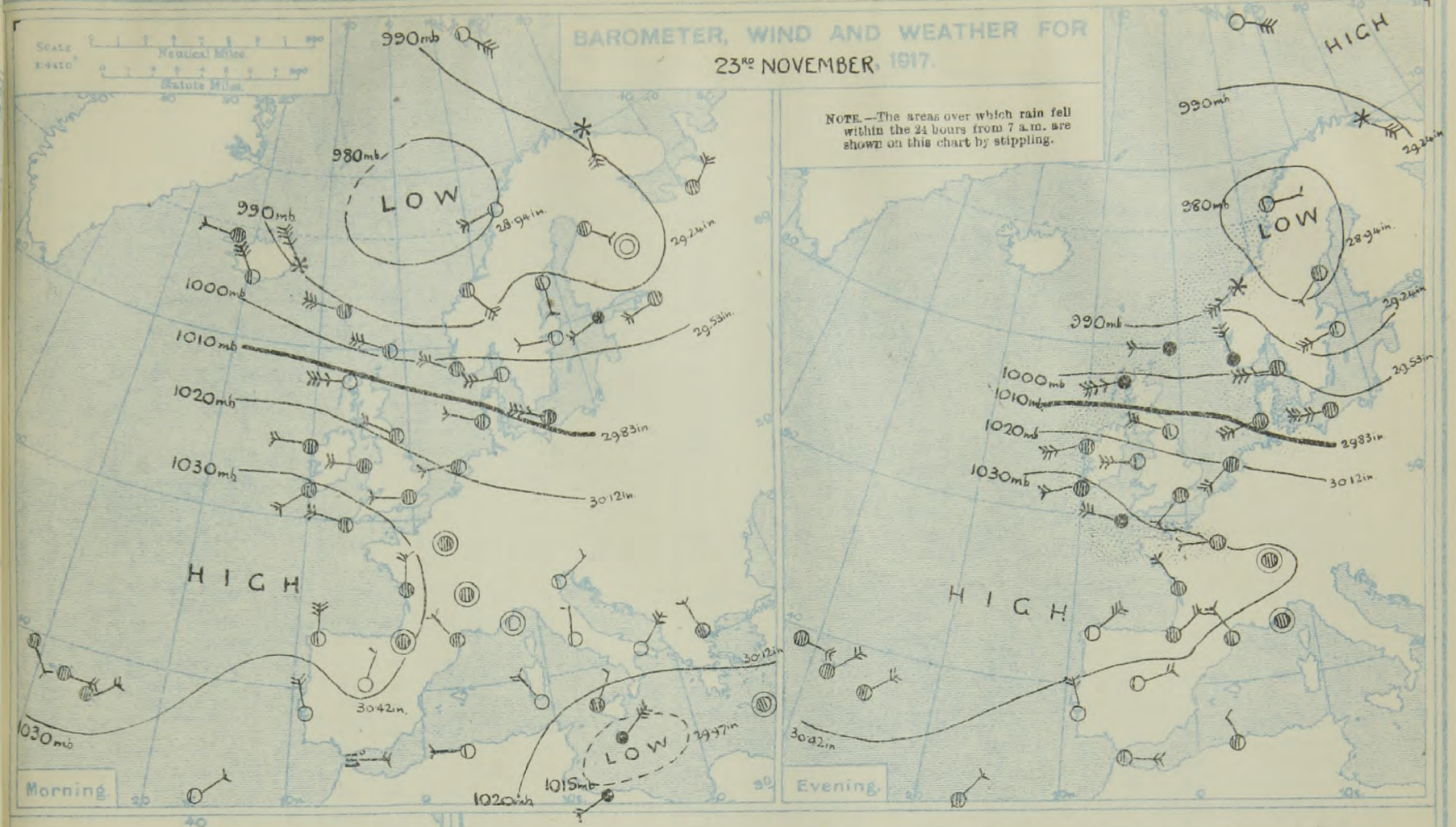
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

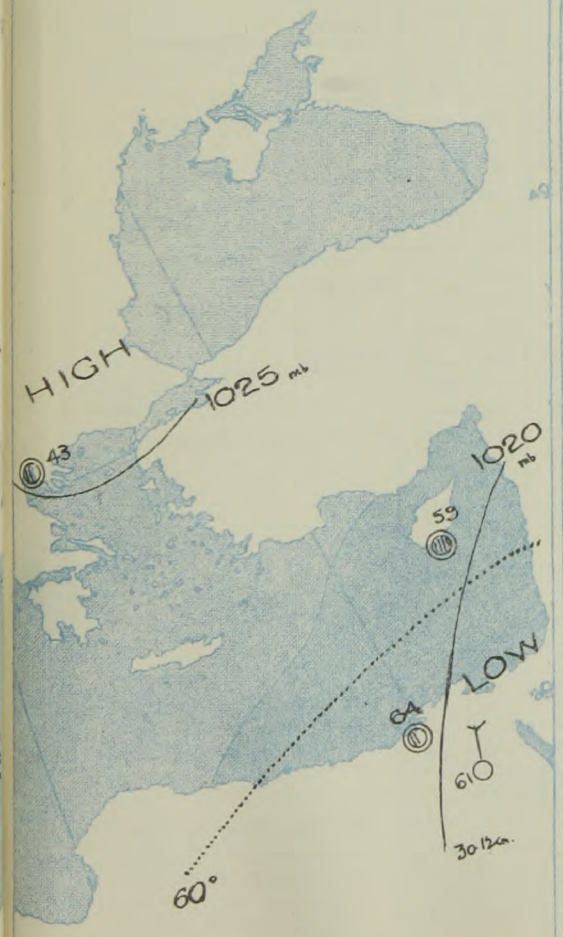
WEATHER.—Shown by the following symbols :—
◯ clear sky. ◐ sky ½ clouded. ◔ sky ¼ clouded.
◍ sky ⅞ clouded. ⓪ overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. T, thunder.
N, thunderstorm.

SEA DISTURBANCE.—Rough ~~~ High ≈≈≈









The Present Situation

There is a deep depression over Northern Scandinavia, and another off the north-west coast of Scotland. An anticyclone covers the Bay of Biscay, France and Spain. Over the eastern part of the North Sea the wind is strong to a gale from West or North-West, while over the northern part the force is light and the direction variable. Over the British Isles generally, and over the English Channel, there is a strong wind from WSW, which has reached gale force in the north-west. The weather is dull to rainy over the United Kingdom, except in the neighbourhood of the Straits of Dover.

The General Outlook

The barometer is falling rapidly in Scotland, and Northern Ireland. The depression in the north-west will spread eastwards, causing strong winds or gales from SW. or W. over the whole of the British Isles, with mild and dull to rainy weather.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 328

Saturday, 24TH NOVEMBER.

	STATIONS.	EVENING OF ...23RD. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF ...24TH. 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.	24 HOURS ENDED 7 A.M. ...24TH. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 23RD. Hours.
BRITISH ISLANDS.	Lerwick ...	994·7	42	W	3	or	988·1	-4	34	-9	NNE	2	-	or	2	13	47	33	bcp	or	or	*
	Deerness (Orkney)	997·2	46	W	6	r	986·1	*	40	-3	ESE	2	-	r	3	21	48	40	op	or	r	0·0
	Stornoway ...	1001·9	49	WSW	8	orq	985·3	-12	31	+3	WSW	8	-	orq	5	24	51	45	orq	orq	orq	0·0
	Castlebay (Barra Isd.)	1010·8	50	WSW	6	op	992·3	-12	52	+3	W	6	-	op	5	5	52	48	o	op	op	0·0
	Glasgow ...	1012·5	48	WSW	7	o	997·8	-11	52	+5	WSW	6	-	odq	*	11	52	46	o·cq	cq·o	opq·or	0·4
	Eskdalemuir ...	1014·2	44	WSW	7	bcq	999·8	-10	51	+7	SW	7	-	or	*	7	51	43	od·o	cq·bcq	cq·o·or	3·2
	Malin Head ...	1014·4	47	WSW	7	bcq	996·9	-10	52	+4	SW	8	-	omrq	8	3	50	46	cmq	cmq	omrq	0·3
	Blacksod Point	1022·0	48	WSW	6	omq	1005·9	-11	51	+4	SW	8	-	omp	7	1	51	46	cmq	cmq	omq op	*
	Valencia (Cahirciveen)	1030·2	51	WSW	3	o	1020·6	-6	52	+1	SW	5	W	b	3	0·2	54	50	oind	odp	o·c·bc	0·0
	Roche's Point	1026·6	50	NW	3	c	1020·0	*	52	+1	W	3	-	o	3	-	54	46	c	c·bc	bc·o	*
	Birr Castle ...	1015·4	48	W	2	o	1013·0	*	52	+1	SW	3	-	o	*	0·4	53	48	od·o	c·o	o	0·0
	Donaghadee ...	1015·8	49	WNW	6	bcmq	1002·9	-10	55	+8	WSW	6	-	omrq	5	-	55	46	bcmq	bcmq	bcmq	*
	Liverpool (Bidston)	1022·4	48	WSW	5	bc	1010·0	-6	55	+7	SW	7	-	oq	5	-	55	45	o·c	bc	c·oq	1·1
	Holyhead ...	1023·2	50	W	5	b	1011·0	-7	54	+4	WSW	6	-	cq	5	-	54	49	o.c.bc.c	c.bc.c.b	c.bc.c	1·1
	Pembroke (St. Ann's)	1027·4	51	WSW	4	c	1018·7	-8	53	+1	WSW	5	-	oq	5	-	53	50	c.of	ofp.o.c	c.bc.b.o	0·0
	Hartland Quay	1029·2	51	WSW	4	omd	1022·5	-4	53	0	WSW	5	-	ofd	4	1	53	50	o.ofd.m	o.odm	o.oind	*
	Scilly (St. Mary's)	1031·3	50	WNW	5	omd	1026·7	-2	53	+2	W	5	-	oind	6	1	53	47	fe	fe.omd	ome.om	0·0
	Falmouth ...	1030·1	50	WNW	3	cm	1024·8	-3	52	+1	W	5	-	odq	*	Trace	54	47	o.bc.o	o.cm	ome.od	0·5
	Jersey (St. Aubin)	1030·4	54	W	2	cq	1026·0	*	50	-3	W	6	-	opq	4	2	57	50	c.b.o	odq.o	opq	1·8
	Portland Bill ...	1027·3	52	W	4	c	1021·1	-4	52	-1	WSW	6	W	c	4	-	55	50	c	c	bcq.c	*
	Dungeness ...	1025·3	50	SW	3	b	1019·2	-3	50	-1	SW	6	SW	bc	5	-	56	?	bc	bc	bc	*
	Dover																					
	Wick	1000·4	45	WNW	4	r	986·6	-14	44	-2	SSE	2	-	r	2	29	51	43	omp.rq	omr	omr	*
	Nairn	1003·6	46	W	5	or	988·0	*	51	+4	WSW	2	-	or	2	12	51	44	opdq	op	ouq	0·0
	Aberdeen	1004·4	50	SW	3	c	989·2	-11	55	+10	SW	4	-	c	2	-	56	44	bc.bq	bc.cq	c.bq.c	1·0
	Leith	1010·5	49	WSW	7	o	995·6	-6	54	+6	WSW	7	-	r	5	3	54	47	c.oq.oq	oq.oq.o	oq.or	*
	Tynemouth ...	1013·8	49	WNW	5	bcq	999·9	-12	56	+9	W	6	-	oq	4	1	56	43	cq	bcq	cpq	*
	Spurn Head ...	1019·7	50	W	6	cq	1008·4	-9	51	+3	W	5	-	oq	5	-	51	48	cq	cq	oq	0·0
	Yarmouth (Gorleston)	1020·9	50	WNW	2	bc	1012·3	-3	49	-2	W	6	-	bcq	4	-	52	46	bc	bc	bc.bcq	3·6
	Clacton-on-Sea	1023·3	50	W	3	bc	1016·6	-2	46	-4	W	4	NW	bc	3	-	55	46	c.bc	bc	bc.c.bc	2·9
	Nottingham ...	1021·6	52	SW	4	c	1011·3	*	52	+2	SW	5	SW	o	*	-	55	46	cm	c·o	c·o	0·0
	Benson (Oxon.) ...	1025·3	50	WSW	3	c	1016·7	-7	50	+2	SW	5	-	m	*	0·1	55	46	b.bc	c	c·o	*
	Sth Farnborough	1025·9	52	W	3	c	1018·9	-5	49	-2	WSW	5	-	o	*	-	57	46	bc	c.bc.o	c.o	5·4
	Salisbury Plain	1026·2	50	WNW	6	oq	1020·0	-5	47	-3	WSW	5	-	oq	*	Trace	53	42	opq	odq	oq	*
	London (Kew Obsy.)	1024·9	53	SW	2	o	1017·9	-5	50	-1	WNW	4	-	o	*	-	56	41	om.c	c·o	o.c.o	3·5
NORTHERN EUROPE.	Spitsbergen ...	999·5	7	ESE	6	b	1000·4	0	1	-18.	E	1	*	b	*	*	19	-2				
	Vardö	987·9	18	SE	6	s	975·2	-1	18	+2	SE	5	-	c	3	*	18	10				
	Bodö	976·7	28	E	2	b	973·5	+2	30	-6	ESE	2	-	c	1	?	36	27				
	Christiansund ...	985·6	32	SW	7	s	981·9	-1	32	-9	NW	4	-	c	6	7	43	28				
	Skudesnaes ...	996·4	41	NNW	5	r	988·7	+1	39	-6	NNW	6	-	c	5	13	45	37				
	Færder (X'iania Fjord)	992·3	41	W	7	b	983·8	+4	37	-6	NW	1	-	b	4	-	45	37				
	The Scaw (Skagen)	1001·9	45	W	7	c	986·6	+1	46	+3	W	6	-	c	6	1	48	41				
	Blaavands Huk	1007·2	46	WSW	6	o	997·6	-4	48	+3	WNW	8	-	o	*	Trace	50	43				
	Copenhagen ...	1003·0	46	W	7	o	993·5	-3	48	+5	W	7	-	o	*	Trace	48	43				
	Bornholm ...	1001·5	46	W	10	o	992·2	-8	45	0	W	9	-	o	3	Trace	45	43				
FRANCE, &c.	The Helder ...	1019·7	50	SW	5	o	1009·8	-4	50	+2	SW	6	-	c	3	-	50	48				
	C. Gris Nez ...	1025·4	52	WSW	5	bc	1018·7	-3	50	-	WSW	7	*	bc	6	-	54	50				
	La Hève	1030·3	50	WNW	4	o	1024·3	*	50	0	W	5	*	c	5	2	54	46				
	Brest (St. Mathieu)	1033·9	51	WNW	3	m	1028·6	-2	51	0	WNW	3	*	o	3	1	54	50				
	Rochefort (Ile d'Aix)	1033·4	52	NW	3	o	1031·2	-1	59	+9	W	2	*	o	*	-	54	50				
	Biarritz	1033·0	55	NE	3	o	1032·4	0	52	+2	ENE	1	*	o	2	1	55	50				
	Paris	1029·8	54	W	2	o	1025·5	-1	50	+2	SW	2	-	o	*	?4·	55	48				
	Belfort	1030·7	44	-	0	o	1029·0	*	44	-	WSW	4	*	ʃ	*	-	46	43				
	Lyons	1030·7	49	NNW	2	o	1030·8	*	44	+4	-	0	*	o	*	-	50	40				
	Nice	1026·0	49	-	0	o	1026·4	+1	46	0	-	0	*	b	2	-	57	41				
	Perpignan ...	1027·9	57	NW	3	c	1028·6	+1	54	-1	N	3	-	b	*	-	63	52				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1034·3	57	NE	5	b	1035·5	?	52	-3	NE	1	-	b	1	?	59	52				
	Madrid	1027·9	57	ENE	3	b	1032·4	+2	45	0	NNE	1	-	b	*	-	59	43				
	Lisbon	1025·8	64	NNW	4	b	1027·9	+1	54	+2	N	5	-	b	2	-	66	52				
	Azores (Horta) ...	1033·0	*	NE	4	o	1032·6	0	59	-2	NNE	4	*	b	2	-	63	59				
	Madeira	1025·4	64	NE	2	c	1026·3	0	59	+2	NE	2	N	bc	2	-	68	57				
	Gibraltar	1026·4	59	E	4	bc	1025·4	*	60	+5	E	6	*	o	4	-	62	54				
	Malta	*	*	*	*	*	1017·0	+3	59	+2	NE	6	-	r	6	12	61	57				
	Limassol	*	*	*	*	*	1020·3	0	59	0	-	0	-	o	0	-	72	52				
	Alexandria ...	1023·1	66	-	0	b	1021·4	0	64	+1	-	0	W	bc	0	-	77	57				
	Cairo (Helwan) ...	1021·1	61	NE	2	b	1019·9	+1	61	+6	NNE	2	-	b	*	-	72	55				

GALES.

Duration and Extreme Force in British Isles.

STORNOWAY
WSW 8 at 21h (23rd) and at 1h and 7h (24th)

ESKDALEMUIR
Extremes:
Gusts 23m/s, noon, 23rd.
W 8 at 16h (23rd)
WSW 8 at 20h (23rd)

GLASGOW
WSW 8 in squalls, 20h (23rd — morning (24th)

MALIN HEAD
WSW 8 at 1h and 7h (24th)

BLACKSOD POINT
SSW 8 at 4h } 24th.
SW 8 at 7h }

ABERDEEN
Extreme Gusts:
20 m/s, 23rd, morn^g
21 m/s, " , night

LONDON

24TH NOVEMBER, 9h. G.M.T.

	Humidity. 15 h. 23RD	Humidity. 9 h. 24TH	Sunshine for 23RD.	24 Hours ended 9 h.... 24TH.. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	78	86	4·2	57	46	41	-	bc.b	b.bc	c.o.bo
CITY (Bunhill Row)	*	*	1·4	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	76	85	3·3	58	47	41	-	bc	bc	o
CAMDEN SQ. (British Rainfall) ...	79	88	2·2	57	46	42	-	o.bc	bc.o	*
HAMPSTEAD (Reservoir)	*		2·5	55	42	35	-	bc	bc.o	c
S. KENSINGTON (Museum Grounds)	*	84	2·7	57	46	43	-	bc.b	bc	bc.c.bc.o

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ..23RD.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
240	7·8	29·5

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

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 Meteorological Office.

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,457. SUNDAY, 25TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

The maximum temperature was well above 50° at most stations, reaching 59° at Llandudno. A marked change occurred, however, in the night and the minimum was as low as 31° at Nairn, 32° at Eskdalemuir, and 37° at Nottingham. The rainfall was considerable in Scotland, 21 mm. at Eskdalemuir and 17 mm. at Stornoway and Deerness. Snow fell in the night in Scotland. A gale from SW. or W. swept across the whole country, and veered to NW. during the night. Sunshine records were very poor generally.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 24TH NOVEMBER.....

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 24h.
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	2	4	54	39	o.r.cq	oq/r.r	0·9
	Montrose	-	-	54	41	b	b	4·3
	St. Andrews							
Eng. N.	Harrogate	2	3	52	46	o.q.c	cq	0·5
	Skegness	-	-	53	45	bc	bc	2·9
England, E.	Felixstowe	-	-	57	46	c.m.bcq	bcq	1·1
	Walton-on-Naze							
	Southend-on-Sea	-	-	57	46	o	o.c.bc.b	1·0
England, S.E.	Margate	-	-	58	46	c	c	0·7
	Hastings	-	-	54	47	o	o	0·0
	Eastbourne	-	-	54	49	o.bc.q	oq	0·0
	Seaford	*	*	54	47	o	c	0·1
	Brighton							
	Worthing	-	-	54	48	o	o	0·1
	Littlehampton	-	-	55	47			0·5
	Bognor	*	*					
	Bournemouth	-	-	57	46	o	c.o	1·9
Scotland W.	Oban							
Eng. N.W.	Morecambe	-	Trace	54	48	o.o	o	0·3
	Southport							
Midlands.	Ross-on-Wye	-	-	57	46	o.bc.cq	c.o.q	2·0
Wales.	Rhyl	*	*	59	49	c	c	0·3
	Colwyn Bay							
	Llandudno	*	*	59	49	c	c	0·3
	Aberystwyth	*	*	52	48	r.o.c	c.o	0·0
England, S.W.	Weymouth	*	*					
	Torquay							
	Paignton	*	*	57	47	c	c	0·0
	Penzance	1	Trace	56	49	o.c.bc	c.o.m.	2·0
	Newquay							
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 24TH NOVEMBER.....

	STATIONS.	Evening of 23rd: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 24th: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.						°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	987·8	5	E	3	s	983·9	‡	5	-3	SSW	2	o	-	*	3
	Gorki						991·4	*	30		w	5	o	-	*	32
	Vijni Volochek	995·1	32	SW	2	o	981·3	*	?		S	2	o	-	*	30
	Hangö	981·1	43	WSW	4	r	978·7	-2	36	-1	WNW	8	o	1	*	32
	Petrograd	989·6	34	W	2	o	973·9	-7	30	-6	SW	3	o	2	36	32
	Moscow	1001·2	28	SW	4	s	989·9		34		SSW	3	s	1	*	27
	Kiev	1015·1	36	WSW	5	o	1008·8	-3	39		WSW	5	o	-	*	30
	Kharkov	1018·7	30	W	2	o	1011·5	-3	30		WSW	4	o	-	*	30
	Kishinev						1017·8	-2	34		-	o	o	-	*	30
	Elisabetgrad	1021·1	34	SW	3	b	1015·6	-3	34		SW	2	o	-	*	30
	Nicolaiev						1024·2	*	34		WSW	2	b	-	*	50
	Odessa	1024·7	36	SW	3	b	1020·2		34		WSW	3	o	-	*	32
	Tarkhankout	1026·6	46	W	4	o		*							*	
	Soukhoum														*	
Mediterranean.	Venice	1026·7	69	-	o	o	1025·5	*	54	+13	-	o	c	-	52	34
	Turin	1026·2	45	-	o	b	1027·8	*	34	-5	-	o	f	-	50	32
	Pesaro	1027·3	39	-	o	b	1026·7	*	39	o	SW	1	bc	-	50	34
	Leghorn	1025·4	48	-	o	b	1025·1	*	41	-5	-	o	b	-	55	39
	Rome	1024·5	56	-	o	bc	1025·8	*	36	-5	N	1	b	-	55	36
	Viesti	1026·2	48	NW	1	b	1024·6	*	54	+6	WNW	7	b	-	54	48
	Brindisi	1024·9	54	NNE	1	b	1023·9	*	52	-2	N	2	b	-	55	52
	Cagliari	1021·9	61	NW	3	b	1024·6	*	52	-2	NW	3	b	-	64	48
	Palermo	1021·0	52	-	o	o	1022·9	*	50	-9	-	o	o	-	63	48
	Tripoli						1021·4	*	61	+7	NW	4	o	10	72	52
	Algiers	1027·2	59	NNW	1	c	1027·2		57	-3	-	o	o	1	61	55
Sweden	Hernösand	977·0	30	SW	2	c	977·8	*	28	-4	N	2	c	*	*	*
	Stockholm	982·7	39	WSW	6	bc	981·1	*	34	-5	SW	2	o	*	*	*
	Wisby	989·4	43	SW	6	bc	982·8	*	34	-9	NNW	4	s	*	*	*

Morning of 24th: Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	1003·0	23	0	N	6	o
Reykjavik	995·8	27	-3	-	o	o
Vestmanna	994·0	27	-7	NE	4	o
Seydisfjord	994·6	25	-14	NE	4	s
Thorshavn	998·5	29	-7	N	2	o

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

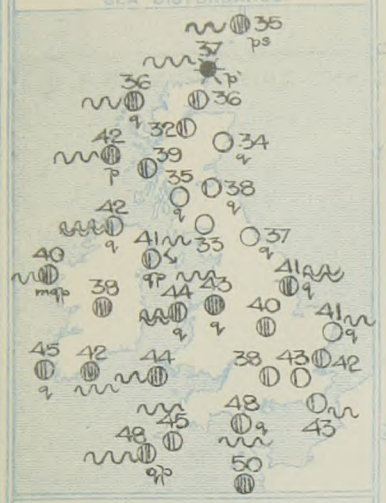
25th and 26th Nov. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·33	11·40	3·47
	7·34	11·40	3·46
Greenwich	7·36	11·47	3·58
	7·37	11·47	3·57
Wick	8·24	11·59	3·33
	8·27	11·59	3·31
Valencia	8·19	12·28	4·36
	8·20	12·29	4·35

Printed at the Meteorological Office, South Kensington, London, S.W. 7.
By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

‡ The barometric change is expressed in half-millibars.

THE MORNING OF SUNDAY, 25TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



FORECAST 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 ◯

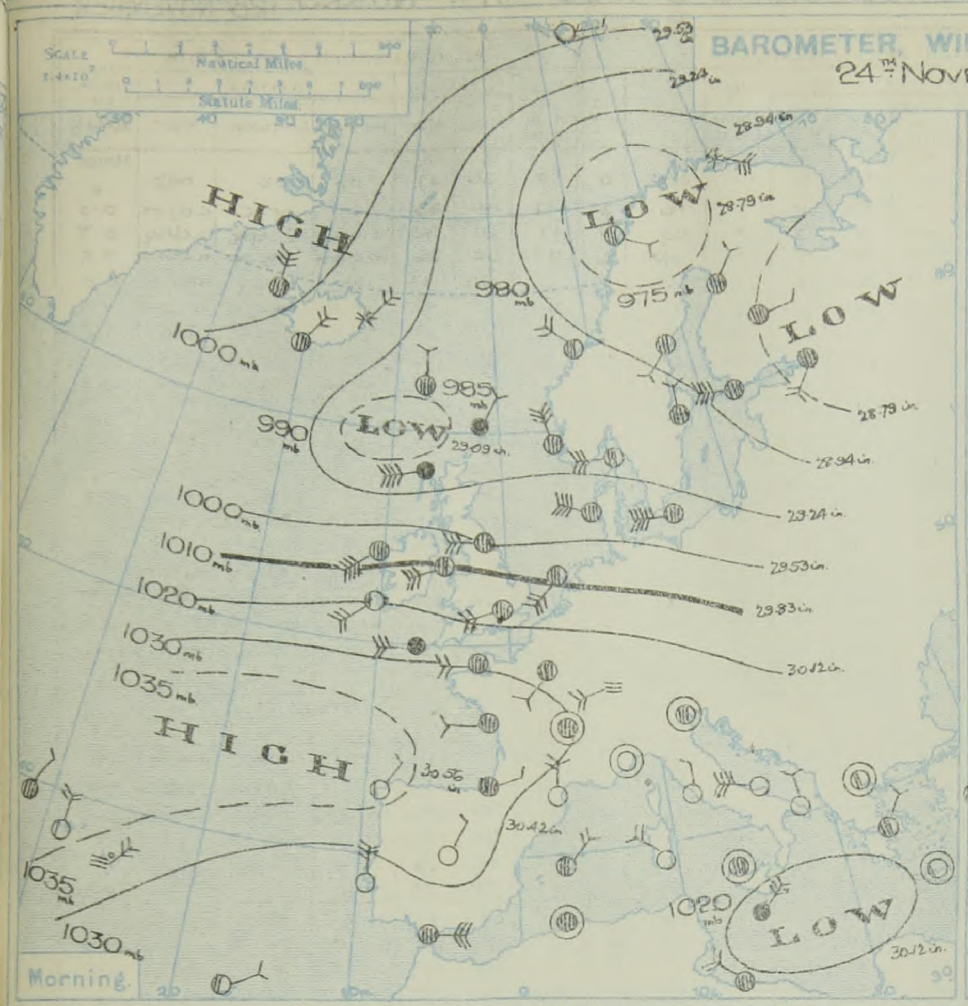
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

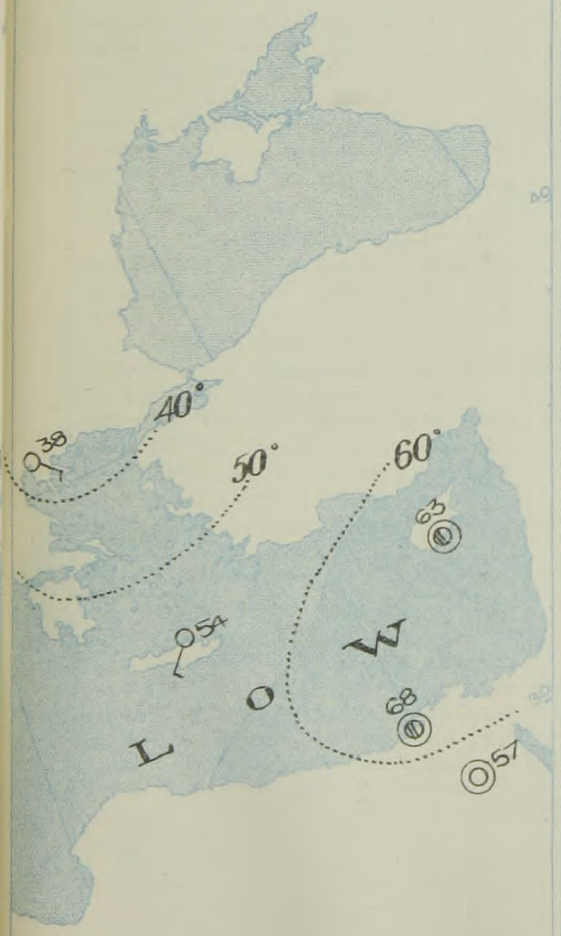
WEATHER.—Shown by the following symbols :—
◯ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊤⚐, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ~~~.

Scale 1 : 2410
Nautical Miles 0 1 2 3 4 5 6
Statute Miles 0 1 2 3 4 5 6 7 8

Normal Temperature of the Sea.
Below 50° | 50°-60° | 60°-70° | Above 70°
Scale of Tints for NOVEMBER.





The Present Situation

A very large depression with two separate centres and readings down to 970 mb. covers the entire region of the Baltic, one centre is over Denmark and the other over Finland. In its rear a gale from W. or NW. is blowing over the British Isles, and from due north to the North of Scotland. There is a strong W. wind as far south as Biarritz, but at Corunna and beyond the breeze is light and variable. The weather is mostly fair over the United Kingdom, but very squally, and snow showers are falling at Deerness and in the Shetlands.

The large depression moved rapidly away beyond Petrograd in the course of the day, and was followed by a wedge of high pressure and a very rapid decrease in the wind, foreshadowing the arrival of a new disturbance from beyond the Hebrides on Monday morning.

27.11.17

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 229. Sunday, 25th NOVEMBER

	STATIONS.	EVENING OF ....24th. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF ....25th. 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.	24 HOURS ENDED 7 A.M. ....25th. Rain-fall. Milli-metres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sun-shine for 24th.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	983·6	31	NNE	4	os	983·4	+2	35	+1	NNE	6	–	osp	6	12	36	27	os	os	osp	*
	Deerness (Orkney)	986·4	35	NW	4	c	986·8	*	37	-3	NW	4	–	rs	3	17	44	33	r	or c	c.op.rs	0·0
	Stornoway ...	986·5	38	WSW	5	op	994·5	+5	36	-16	N	7	–	cq	5	17	51	33	c.opq	c.opq	o.cpsq	0·7
	Castlebay (Barra Isd.)	992·4	45	WNW	6	dp	1000·2	+2	42	-10	NW	7	–	olp	6	2	52	36	op.c.om	om.op	o.bch.o	0·9
	Glasgow ...	995·7	41	WSW	5	r	995·0	+10	35	-17	WSW	5	–	bq	*	11	52	33	opq	opq	opq.or	0·0
	Eskdalemuir ...	997·1	41	W	6	or	994·0	+12	33	-18	WNW	6	–	b	*	21	51	32	or.o	o.oq.or	or.os b	0·0
	Malin Head ...	996·7	47	WNW	9	olmpq	1000·5	+8	42	-10	NNW	9	NW	bcq	9	3	52	36	cmq	olmpq	bcpq	0·0
	Blacksod Point	1005·2	48	W	7	olmq	1011·6	+10	40	-11	NW	6	NW	olpq	6	2	52	36	om	olm	olmpq	*
	Valencia (Cahirciveen)	1018·3	52	WSW	5	o	1017·7	+3	45	-7	NW	6	NW	cq	?	2	54	42	bc.og	og	c.pq	0·0
	Roche's Point	1013·6	53	W	5	o	1014·0	*	42	-10	WNW	6	–	o	5	–	57	41	o.c	c.o	c.o	*
	Birr Castle ...	1010·3	50	WSW	3	o	1011·1	*	38	-14	NW	2	–	o	*	3	54	38	o	o	op.o	0·0
	Donaghadee ...	1000·7	47	W	5	omq	1000·4	+6	41	414	WNW	7	W	bcpq	6	8	55	30	bcmpq	bcmq	c.bcpq	*
	Liverpool (Bidston)	1004·7	50	WSW	7	o	999·3	+8	43	-12	W	9	W	oq	7	1	58	43	oq	orq	opq	1·2
	Holyhead ...	1006·1	51	W	7	oq	1002·1	+5	44	-10	WNW	9	NW	cq	8	1	56	40	bc.cq	bc.c.oq	cpq	1·4
	Pembroke (St. Ann's)	1012·8	52	WSW	5	cq	1008·6	+3	44	-9	NW	7	NW	c	7	1	54	43	cq.bcq	bcq.cq	cq	1·6
	Hartland Quay	1015·6	54	WSW	6	o	1011·2	+3	47	-6	NW	8	–	c	6	2	55	46	od.bc.o	omdq	od.opq	*
	Scilly (St. Mary's)	1019·8	53	W	6	omp	1015·0	+2	48	-5	NW	8	W	cpq	7	1	54	47	c.olmq	om	cpq	1·2
	Falmouth ...	1017·9	54	WSW	8	cq	1012·9	+5	45	-7	NW	7	–	bc	*	2	56	44	dq.oq	cq.opq	dq.cq	1·7
	Jersey (St. Aubin)	1020·6	55	W	6	ogu	1011·0	*	50	0	NW	6	–	o	4	1	56	50	odq.oq	o.c.ogu	oq.o	0·4
	Portland Bill ...	1012·8	55	W	7	bc	1005·7	+8	48	-4	WNW	7	NW	bcq	6	–	56	46	bc	bc	bcq	*
	Dungeness ...	1010·1	53	SW	8	c	999·7	+3	43	-7	WSW	6	SW	b	6	0·2	55	?	cq	cq	cpq.c	*
	Dover	*	*	*	*	*													*	*		
	Wick	988·2	36	N	2	o	988·4	+5	36	-8	NW	4	–	bc	3	14	50	33	omr	omr	ompsh	*
	Nairn	989·2	39	WNW	1	ou	991·3	*	32	-19	NW	1	–	bc	1	16	51	31	cr	bcpq.c	rq.csp	0·2
	Aberdeen	989·6	39	WNW	5	b	989·8	+7	34	-21	WNW	6	–	bq	3	6	56	33	c.bcpq	bcq.b	b.ors b	3·1
	Leith	993·7	45	W	4	o	992·9	+6	38	-16	WNW	3	NW	b	4	7	54	34	rq.o	o.oq.or	orq.o.c	*
	Tynemouth ...	993·9	48	NW	7	bq	991·3	+10	37	-19	NW	5	–	bq	4	6	56	35	cpq	bcq	cpq	*
	Spurn Head ...	997·9	52	WNW	8	cq	988·7	0	41	-10	WNW	5	–	cq	7	4	55	38	cq	cq	cq	0·0
	Yarmouth (Gorleston)	1002·2	54	WNW	7	bcq	992·8	-2	41	-8	WNW	7	–	bcq	6	3	57	40	bc	bcq	cpq.bc	1·7
	Clacton-on-Sea	1005·3	53	W	5	bc	996·3	0	42	-4	WNW	6	–	bc	4	2	56	40	bc.c.bc	bc.c.bc	bc.orq	0·3
	Nottingham ...	1003·6	52	WNW	8	bc	996·3	*	40	-12	NW	6	NW	c	*	2	58	37	o.c	c.o	bc.c	1·3
	Benson (Oxon.) ...	1008·5	52	WSW	5	b	1001·2	+2	38	-12	WNW	5	–	bc	*	0·2	56	38	oq	bc	bc	*
	Sth Farnborough	1009·3	54	WSW	7	c	1002·9	+3	43	-6	W	6	–	b	*	0·1	57	42	od.o.c	c.o.c	c.b	1·3
	Salisbury Plain	1011·5	52	W	7	oq	1003·9	+1	41	-6	WNW	8	–	bq	*	Trace	56	41		oq	oq	*
	London (Kew Obsy.)	1008·8	54	W	4	b	1000·8	+3	43	-7	WNW	6	–	b	*	1	57	50	o.bc.o	o.bc.b	b.c.orq	0·9
NORTHERN EUROPE.	Spitsbergen ...	988·6	-2	S	1	b	997·0	0	4	+3	SE	1	*	b	*	*						
	Vardö	984·4	18	S	4	o	983·1	0	19	+1	S	2	–	s	4	*	18	12				
	Bodö	976·4	30	SW	4	s	979·2	-3	27	-3	E	4	–	bc	2	?	36	25				
	Christiansund ...	976·2	39	NW	4	c	978·8	+1	32	0	–	0	–	c	5	3	34	28				
	Skudesnaes ...	978·8	34	NNE	3	r	977·5	+1	32	-7	NNE	3	–	c	3	?	36	30				
	Færder (X'iania Fjord)	973·9	36	NE	6	bc	977·5	+1	30	-7	ENE	2	–	b	4	1	41	30				
	The Scaw (Skagen)	971·6	34	NE	5	r	978·6	-1	36	-10	NE	3	–	c	3	13	46	32				
	Blaavands Huk	980·2	50	W	9	o	972·2	-13	43	-5	WNW	5	–	o	*	6	50	41				
	Copenhagen ...	977·6	50	WSW	5	o	976·9	-5	39	-9	–	0	–	m	*	12	50	37				
	Bornholm ...	978·6	46	WSW	9	r	978·7	+11	39	-6	WNW	6	–	c	3	11	46	39				
FRANCE, &c.	The Helder ...	997·4	54	SW	8	c	985·6	-4	45	-5	W	9	–	c	5	4	54	43				
	C. Gris Nez ...	1009·2	53	W	8	o	999·6	+2	47	-3	W	8	*	c	3	–	55	46				
	La Hève	1016·6	50	W	6	o	1005·6	*	48	-2	WNW	8	*	r	8	3	52	46				
	Brest (St. Mathieu)	1025·2	52	W	4	o	1016·2	-2	50	-1	NW	6	*	c	4	1	55	48				
	Rochefort (Ile d'Aix)	1028·0	53	W	3	s	1019·6	-3	54	-5	W	6	*	o	*	–	54	48				
	Biarritz												*									
	Paris	1018·8	50	SW	4	c	1005·6	-6	54	+4	W	6	–	o	*	Trace	55	50				
	Belfort							*					*		*							
	Lyons	1027·1	46	–	0	o	1019·5	*	42	-2	–	0	*	bc	*	–	48	38				
	Nice	1023·0	49	NE	2	o	1024·2	+3	43	-3	NE	2	*	b	2	–	55	41				
	Perpignan ...	1026·8	54	NW	2	b	1022·6	-1	48	-6	SW	1	–	b	*	–	59	32				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1032·2	55	NE	4	c	1030·8	+1	66	+14	–	0	–	o	1	–	57	52				
	Madrid	1027·8	55	–	0	b	1028·3	0	37	-8	–	0	–	b	*	–	57	34				
	Lisbon	1026·3	63	NNW	3	b	1026·7	+1	80	-4	–	0	–	b	2	–	66	50				
	Azores (Horta) ...	1032·0	*	NE	4	b	1032·8	+2	59	0	–	0	*	c	2	–	63	59				
	Madeira	1024·4	64	NE	3	c	1025·4	+1	59	0	NE	3	–	bc	3	–	70	59				
	Gibraltar							*					*									
	Malta	*	*	*	*	*	1021·6	0	59	0	NNE	3	–	c	3	–	69	59				
	Limassol	*	*	*	*	*	1017·1	0	63	+4	–	0	–	bc	0	–	72	54				
	Alexandria ...	1019·6	66	–	0	b	1019·8	+1	68	+4	–	0	W	bc	0	–	77	59				
	Cairo (Helwan) ...	1018·3	64	NE	2	b	1019·6	+3	57	-4	–	0	–	b	*	–	73	52				

GALES.

Duration and Extreme Force in British Isles.

Castlebay: Gale: W 8, 11-14h (24th)

Eskdalemuir: W 8 11-12h, 16h (24th) and 2h (25th). Gusts 28m/s, mng., 29m/s, aftn. and 26m/s, night.

Malin Head: W 9, 13-18h, WNW 9 at 21h (24th): NW 9 at 1h, NNW 9 at 7h

Blacksod Point SSW-W 8, 7-16h (24th) WNW 8, 19h (24th) - 5h (25th). Extr. WNW 9 at 1h (25th)

Valencia: Gust 23m/s, night (24th)

Southport: Gale S-16h (24th) and 21-7h (25th) Extr. W 10 and gusts 39m/s at midnight.

Liverpool Gale 11-15h and 23h (24th) Extr. force 9 at 23h and from 2-7h (25th)

Holyhead Extremes: W 9 at 13h (24th): W 8 at 21h and WNW 9 at 7h

Pembroke WSW 8 11-16h (24th) (25th) and W 8 23h (24th) - 7h (25th)

Hartland Quay. Squalls 8, 22-7h (25th)

Scilly WNW-NW 8, 23h (24th) - 7h (25th) Extreme NW 9 at 6h (25th)

Falmouth WSW 8 at 18h (24th)

Portland Bill W 8, 24h - 1h (25th)

Dungeness SW 8, 9-18h (24th)

Nairn Squalls W 8, 14-15h (24th)

Aberdeen WNW 8, 15-16h (24th). Extr. NW 9 at 16h, and gust 32m/s.

Leith W 8, 13-17h (24th).

Spurn Head Squalls 8, 14-18h (24th) WNW 8 at 7h (25th)

Clacton WNW 8 at 4h (25th)

Nottingham WNW 8 at 18h (24th)

Benson Gust 25m/s, afternoon (24th)

S. Farnborough Squalls 8, 14-19h (24th) and 1h - 4h (25th). Gust 28m/s at 4h (25th).

Salisbury Pl. W 8, 13-16h (24th) W 9 at 4h

Kew Gusts 23m/s at 15h (24th). Gusts 27 m/s at 4h (25th).

LONDON

25th November, 9h. G.M.T.

	Humidity. 15 h. 24th.	Humidity. 9 h. 25th.	Sun-shine for 24th.	24 Hours ended 9 h. ....25th.. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rain-fall.	Weather. Morning.	Weather. After-noon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	71	71	1·8	58	44	35	1	0.bc	bc.o	o.or.b
CITY (Bunhill Row)	*	*	0·8	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	72	72	0·8	58	41	36	1	o.bcu	bc	bc.b
CAMDEN SQ. (British Rainfall) ..	72	69	2·8	58	41	37	1	o.bc	bc	
HAMPSTEAD (Reservoir)	*	69	0·6	55	38	29	1	o	c.o	op.cpc
S. KENSINGTON (Museum Grounds)	*	68	0·6	57	43	39	1	o.c	bc.	bc.o.or

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ..24th..

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
140	4·8	19.

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

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,458. MONDAY, 26TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

There was a sudden and marked reduction of temperature, few of the afternoon maxima reaching 50°, some failing to reach 40°. Night frost occurred in most places. Rain, hail or snow showers fell in many localities. The northern districts had little or no sunshine, the southern had good records, nearly seven hours at some stations

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 25TH NOVEMBER

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 25TH.
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	6	2	42	33	op.rq	op.hsq	0.0
	Montrose	1	-	40	33	b	b	3.0
	St. Andrews							
Eng. N.E.	Harrogate	13	-	46	33	b	b	5.3
	Skegness	1	2	43	35	bc	bc.op.b	4.5
England, E.	Felixstowe	1	1	44	35	bc.q.p	bc.q.p	5.2
	Walton-on-Naze							
	Southend-on-Sea	1	1	?	?	bc.c.os	b.bc.c.o	5.4
England, S.E.	Margate							
	Hastings	1	-	53	39	or.bc.b	bc.b	5.4
	Eastbourne	1	-	47	41	bc.b	b	5.8
	Seaford	*	*					
	Brighton							
	Worthing	-	-	47	42	b	b.bc	6.7
	Littlehampton							
	Bognor	*	*					
	Bournemouth	Trace	-	47	41	b	b	
Scotland W.	Oban	2	-	41	35	bcp	bcp	0.9
Eng. N.W.	Morecambe							
	Southport	3	2	49	37	h.lt.p.c	bc.c	3.0
Midlands.	Ross-on-Wye	-	Trace	46	37	bc.d.q	bcq.p.bc	6.8
Wales.	Rhyl	3	3	45	37	q	h	2.5
	Colwyn Bay	1	2	49	37	c.p.h	h.bc	0.3
	Llandudno	*	*	51	38	q	q	0.9
	Aberystwyth	*	*	46	40	r.o.c	c.o	1.0
England, S.W.	Weymouth	*	*					
	Torquay	Trace	-	48	43	bc.b	b	6.7
	Paignton	*	*					
	Penzance							
	Newquay	2	1	47	40	o.b.hq	o.b.hq	2.8
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 25TH NOVEMBER

	STATIONS.	Evening of 24TH. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 25TH. 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					±	°F.	°F.					F	F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel						9824		7	+2	NE	2	0	-	*	5
	Gorki	986.3	37	SW	4	0	978.6	*	45		SSW	7	0	45	*	39
	Vijni Volochek	977.5	30	W	1	S	979.5	*	27		S	3	0	1	*	27
	Hangö	983.0	34	NNW	4	C	970.6		30	-6	NNW	4	0	-	*	28
	Petrograd	972.6	32	WSW	3	S	971.7		30	0	SE	3	0	9	36	30
	Moscow	977.9	37	SSW	4	r	984.4		32	-2	SSE	2	S	7	*	32
	Kiev	1003.3	43	W	5	0									*	
	Kharkov														*	
	Kishinev														*	
	Elisabetgrad	1010.7	39	SW	4	0									*	
	Nicolaiev														*	
	Odessa	1015.1	37	WSW	3	bc		*							*	
	Tarkhankout														*	
	Soukhoum							*							*	
Mediterranean.	Venice	1021.5	36	-	0	f	1016.3	*	7		-	0	c	-	37	34
	Turin	1024.1	36	-	0	f	1016.6	*	30	-4	-	0	f	-	39	30
	Pesaro	1021.8	39	-	0	b	1018.6	*	45	+6	-	0	bc	-	50	34
	Leghorn	1022.9	48	-	0	b	1018.6	*	50	+9	-	0	bc	-	54	45
	Rome	1024.9	45	-	0	b	1021.8	*	37	+1	N	1	0	-	54	35
	Viesti	1023.8	50	N	1	b	1020.2	*	46	-8	WSW	1	b	-	55	46
	Brindisi	1024.6	50	N	1	b	1022.2	*	?56	+4	NNW	1	b	-	56	46
	Cagliari	1023.3	63	SE	2	b	1021.7	*	52	0	NW	3	b	-	63	48
	Palermo	1023.9	54	-	0	b	1022.5	*	55	+5	-	0	0	-	61	46
	Tripoli						1022.6	*	?		SW	1	0	17	*	57
	Algiers	1026.9	54	WSW	2	0	1024.7		54	0	-	0	bc	1	61	52
Sweden.	Hernösand	977.5	18	-	0	r	1032.1	*	23	-11	N	4	0	*	*	*
	Stockholm	977.9	32	S	2	b	1030.6	*	28	-6	N	2	0	*	*	*
	Wisby	977.8	34	W	2	0	1028.8	*	34	0	SW	2	r	*	*	*

Morning of 25TH.

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord	1017.8	21	-2	-	0	S
Reykjavik	1021.9	25	-2	N	2	0
Vestmanna	1021.8	23	+4	-	0	bc
Seydisfjord	1017.2	18	+7	N	6	S
Thorshavn	998.1	29	0	N	6	0

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

26TH AND 27TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.34 / 7.36	11.40 / 11.41	3.46 / 3.45
Greenwich	7.37 / 7.39	11.47 / 11.48	3.57 / 3.56
Wick	8.27 / 8.30	11.59 / 12.0	3.31 / 3.29
Valencia	8.20 / 8.22	12.28 / 12.29	4.36 / 4.35

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± The barometric change is expressed in half-millibars

THE MORNING OF MONDAY, 26TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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 ≈≈≈

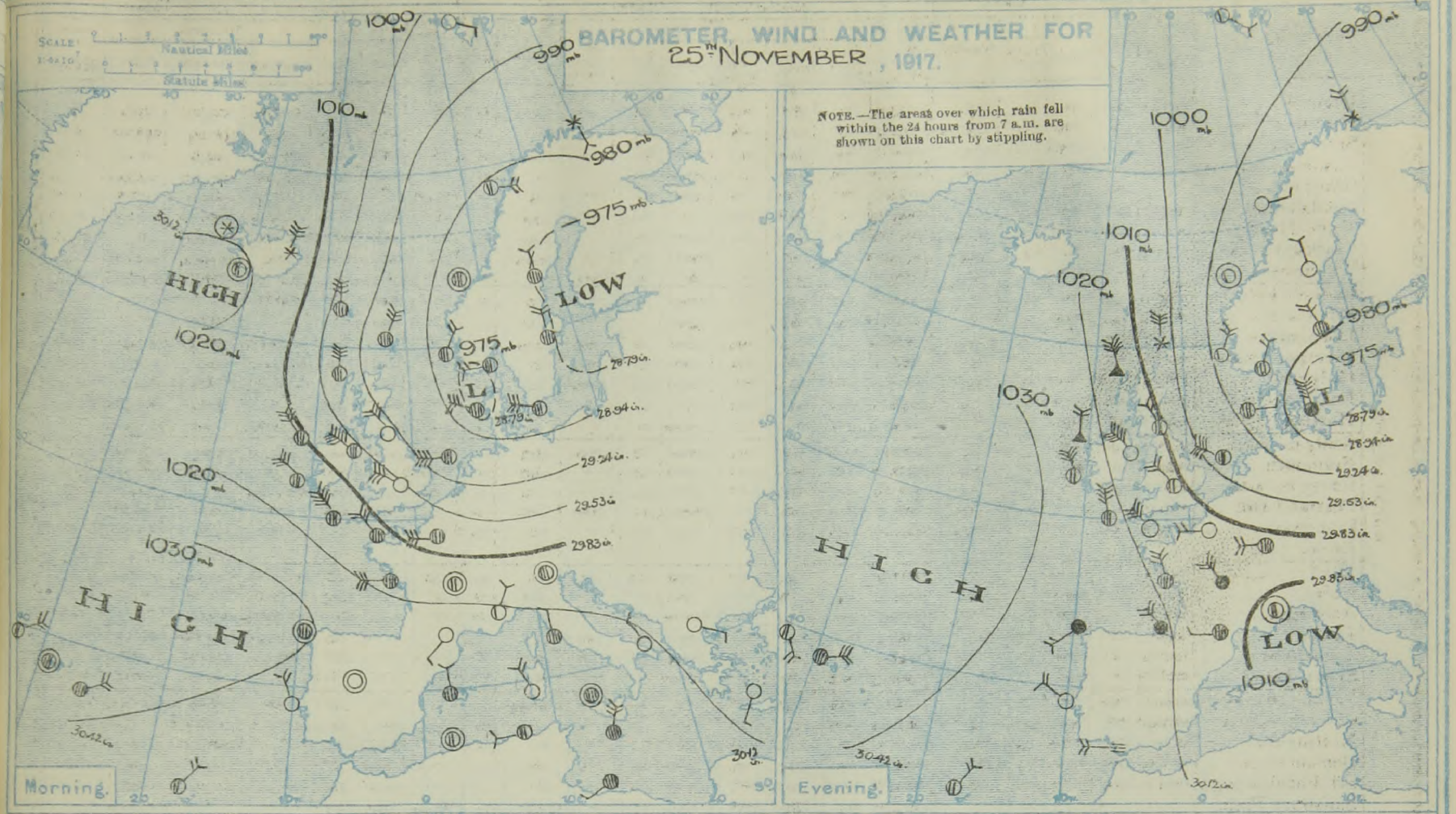
LOW
995 mb
990 mb
LOW
LOW
1000 mb
1005 mb
1010 mb
1015 mb
1020 mb
1025 mb
1030 mb
Barometer
Barometer
HIGH
1035 mb
1015 mb
1010 mb
1005 mb
40°
50°
60°
20°
29.24 in.
29.38 in.
29.53 in.
29.68 in.
29.83 in.
29.97 in.
30.12 in.
30.27 in.
30.42 in.
30.56 in.

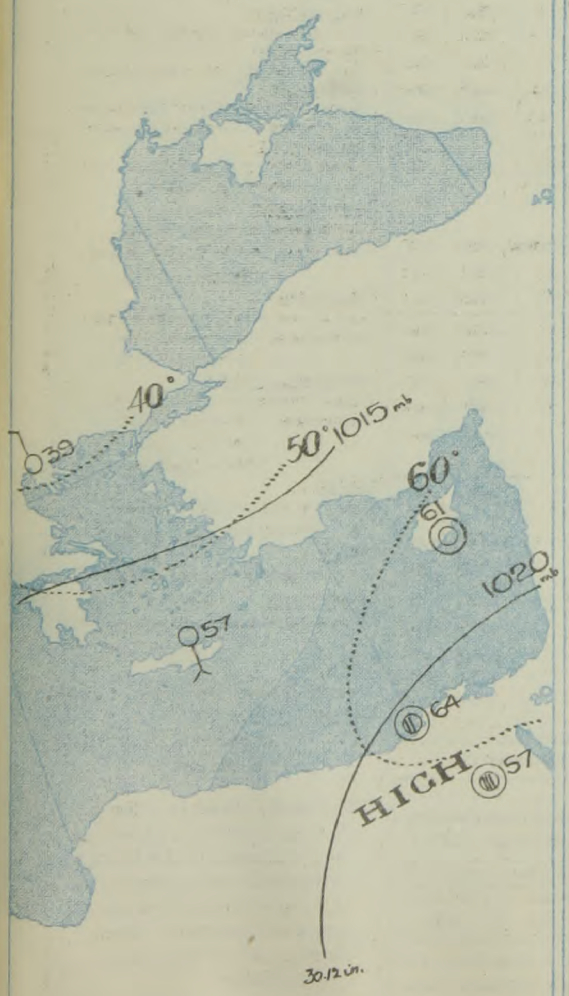
SCALE 1 : 2 x 10⁷
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea.

Below 50° | 50°-60° | 60°-70° | Above 70°

Scale of Tints for NOVEMBER.





The Present Situation

An anticyclonic system is still centred beyond our south-western coasts, its influence extending to the greater part of our area. A new depression is approaching our north-western coasts, where the barometer is now giving way briskly, the wind having already shifted to between SW. and S, and beginning to freshen again, with a less settled appearance of the sky, rain at Blacksod. In other regions a N. or NW. wind prevails, mostly light to moderate in force, but a high wind (force 7) is reported at Spurn Head and the Helder. Fine to fair weather prevails under the Polar current, but snow is falling at Belfort.

The General Outlook

The type of pressure distribution remains favourable for the eastward movement of depressions from the Northern part of the Atlantic, so that for the present the wind is likely to undergo considerable variations in direction and strength, with changeable weather, rain or snow at times in most localities.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No.339. 26th NOVEMBER

	STATIONS.	EVENING OF....25th. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF.....26th... 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.	24 HOURS ENDED 7 A.M.....26th. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 25th.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1004·2	34	N	6	cps	1013·9	0	33	−2	N	3	−	o	4	5	39	31	o. cps	co ps	ops	*
	Deerness (Orkney)	1008·8	30	NW	8	cphsq	1015·9	*	34	−3	WNW	2	−	o	3	1	40	30	cps	cphsq	cph. o	0·2
	Stornoway ...	1017·7	34	NNW	7	cphq	1016·3	−6	36	0	SSW	4	−	o	4	2	38	32	cphq	cphq	c. o	0·5
	Castlebay (Barra Isd.)	1021·2	38	N	6	ophq	1020·3	−8	42	0	SSW	4	−	o	5	7	42	32	bcqph	bcqph	hs. bch	0·5
	Glasgow ...	?	34	?	2	c	1023·9	+1	33	−2	SW	2	−	o	*	Trace	?	30	bcs	bcs	bc. o	?0·9
	Eskdalemuir ...	1013·8	33	NNW	6	b	1024·6	0	28	−5	−	0	−	cx	*	0·1	37	23	bc. osp	bcv. b	b. bc. cx	5·2
	Malin Head ...	1019·0	42	N	8	bcq	1023·3	−3	40	−2	SW	5	−	og	5	1	43	37	ompq	cmpq	cg	0·3
	Blacksod Point	1025·7	39	N	4	bcph	1025·3	−7	39	−1	SSW	5	−	omr	5	4	41	33	cpq	cmphq	bcm. op	*
	Valencia (Cahirciveen)	1027·9	42	NNW	6	bcq	1031·1	0	44	−1	SW	3	SW	o	4	1	46	39	ephq	cpq	cq. bc. o	3·1
	Roche's Point	1025·4	40	NW	4	b	1031·1	*	40	−2	WNW	2	−	o	2	0·4	44	35	bcp. bc	bc. b	b. o	*
	Birr Castle ...	1024·2	34	NW	1	c	1029·0	*	35	−3	SW	1	−	o	*	1	41	31	c	crsp	c. o	5·0
	Donaghadee ...	1016·7	39	NW	8	bcphq	1025·6	0	35	−6	SW	3	SW	cm	2	3	43	35	bcmpq	bcqph	bcqph	*
	Liverpool (Bidston)	1014·8	43	NW	4	bc	1026·9	+2	39	−4	NW	3	NW	o	2	3	44	36	ophq. c	bcq	or	1·9
	Holyhead ...	1016·9	42	NW	9	bq	1027·0	+2	42	−2	NNW	5	NW	c	6	1	46	37	cps. cq	c. bcp. r	cps. c	1·3
	Pembroke (St. Ann's)	1019·7	43	NW	6	bc	1029·6	+4	41	−3	N	2	N	c	3	−	45	40	bcq	bcq	bcq. c	5·0
	Hartland Quay	1019·1	46	NNW	8	c	1030·2	+2	44	−3	NNW	4	−	o	4	0·1	47	31	cq. o. bc	bcq	ephq. c	*
	Scilly (St. Mary's)	1023·1	45	NNW	7	cq	1032·1	+2	44	−4	NNW	3	NW	bc	5	1	49	42	ephq	cpq	c. bc	4·3
	Falmouth ...	1020·7	43	NNW	7	byq	1030·8	+2	40	−3	NW	3	−	bc	*	Trace	47	40	bcq. cp	bcyph	bcq. bq	3·8
	Jersey (St. Aubin)	1016·1	46	NW	6	b	1028·6	*	43	−7	N	3	−	o	4	2	50	40	opq. bq	bcq. b	cpq. o	2·6
	Portland Bill ...	1014·3	47	NW	7	bcq	1027·4	+6	44	−4	NNW	4	NW	bc	4	−	49	44	bc	bcq	b. bc	*
	Dungeness ...	1007·8	36	N	8	bcq	1024·1	+5	30	−7	W	3	−	b	3	−	51	?	c. bc	bc	bc. bx	*
	Dover	*	*	*	*	*													*	*		
	Wick	1010·1	34	NNW	6	c	1017·5	−2	33	−3	NW	2	−	o	4	3	39	32	bc. opq	cmpsq	omph	*
	Nairn	1014·0	33	NNW	6	c	1018·8	*	33	+1	N	1	−	ou	2	2	38	30	cqps	cqu	bcq. c	0·0
	Aberdeen	1009·9	35	NW	6	bcq	1020·1	+1	32	−2	WNW	3	−	c	3	2	40	31	bcpsq	cqrhs	bchsq	0·9
	Leith	1014·0	38	NW	8	b	1022·4	0	32	−6	W	2	W	c	3	−	46	31	b. bcq. b	bq. bc. b	bq. coc	*
	Tynemouth ...	1010·5	37	NW	3	cq	1023·2	+3	30	−7	NW	3	N	bcq	5	−	41	30	bcmq	cpsq	bcq	*
	Spurn Head ...	1006·3	41	NNW	6	cq	1022·3	+5	35	−7	NW	7	−	bxq	7	4	42	34	bcq	cqrs	bcxq	0·0
	Yarmouth (Gorleston)	1004·1	38	NNW	7	c	1021·1	+8	33	−8	NW	2	−	cmq	2	7	43	33	bcq	bcq	cphsq	4·0
	Clacton-on-Sea	1007·4	38	NW	5	bc	1022·9	+5	32	−10	NW	4	−	b	3	1	44	31	bc. c. b	b. cpq. c	bc. cp. b	4·8
	Nottingham ...	1013·0	39	NNW	4	b	1025·4	*	32	−8	W	2	−	b	*	1	43	32	c. o	osp. c	b	4·5
	Benson (Oxon.) ...	1012·6	38	WNW	4	b	1026·7	+6	28	−10	NW	2	−	b	*	0·1	45	27	b	bq	b	*
	Sth Farnborough	1012·1	39	WNW	5	b	1026·8	+5	30	−7	NNW	2	−	b	*	−	46	30	b. c	c. o. b	bzx	5·8
	Salisbury Plain						1027·6	+4	38	+3	NW	2	−	bx	*	Trace	45	27			c. bx	*
	London (Kew Obsy.)	1011·2	39	NW	4	bc	1026·5	+5	33	−10	WNW	2	−	bx	*	2	46	32	bq. or. oq	orq. rs. o. bq	bc. b. bx	5·0
NORTHERN EUROPE.	Spitsbergen ...	998·7	0	SSE	2	b	994·8	−2	−4	−8	SE	1	*	b	*	*	0	−9				
	Vardö	985·6	21	N	4	s	988·2	−1	18	−1	SW	4	−	o	4	*	21	12				
	Bodö	988·6	21	E	1	b	992·0	0	27	0	E	4	−	c	2	5	27	19				
	Christiansund ...	989·1	32	−	0	b	1002·3	+3	36	+4	NW	4	−	c	4	5	36	27				
	Skudesnaes ...	993·5	32	NNE	4	b	1006·3	−8	37	+5	N	8	−	r	4	5	34	27				
	Færder (X'ianiaFjord)	988·7	30	NNW	6	b	1001·2	+4	30	0	W	2	−	bc	2	−	32	28				
	The Scaw (Skagen)	1011·3	34	NNE	3	c	1002·8	+4	32	−4	WSW	1	−	b	1	−	36	30				
	Blaavands Huk	988·0	34	E	1	c	1008·4	+9	39	−4	N	2	−	b	*	5	45	30				
	Copenhagen ...	982·8	34	N	4	o	1006·3	+9	30	−9	NW	2	−	m	*	12	39	28				
	Bornholm ...	974·0	34	N	9	r	1003·8	+11	32	−7	N	4	−	c	1	7	41	28				
FRANCE, &c.	The Helder ...	997·8	43	WNW	8	c	1013·9	+10	43	−2	NNW	7	−	c	6	9	45	41				
	C. Gris Nez ...												*									
	La Hève							*					*									
	Brest (St. Mathieu)	1021·8	43	NNW	6	c	1031·8	+4	43	−7	N	3	*	bc	3	Trace	50	37				
	Rochefort (Ile d'Aix)	1018·7	47	NNW	5	o	1027·6	+4	43	−11	NNW	5	*	bc	*	2	55	43				
	Biarritz	1020·3	55	NW	4	r	1026·2	+2	43	+1	ENE	1	*	bc	5	5	55	41				
	Paris	1011·4	42	W	3	b	1023·6	+6	35	−19	NNW	2	−	b	*	1	54	34				
	Belfort	1014·7	37	W	4	o	1018·4	*	32		W	3	*	s	*	3	48	32				
	Lyons	1013·9	41	NW	5	r	1018·8	*	26		N	4	*	o	*	4	55	32				
	Nice	1009·3	57	−	0	bc	1009·3	+4	42	−1	−	0	*	o	1	−	59	39				
	Perpignan ...	1015·5	57	W	1	o	1019·8	+2	44	−4	NW	3	N	b	*	1	61	41				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1029·0	57	SW	3	r	1034·2	+2	52	−14	N	3	N	c	2	1	57	50				
	Madrid														*							
	Lisbon	1025·1	55	WNW	3	b	1025·6	+1	54	+4	WNW	5	−	b	5	−	61	50				
	Azores (Horta) ...	1033·2	*	ENE	5	c	1035·4	0	61	+2	SSE	3	*	c	3	−	68	59				
	Madeira	1026·0	64	NE	3	bc	1028·3	0	63	+4	NE	3	−	c	3	−	68	61				
	Gibraltar	1023·3	55	W	4	m	1021·3	*	58		NW	5	*	b	2	−	64	52				
	Malta	*	*	*	*	*	1014·6	+1	55	−4	SW	2	−	bc	1	−	63	54				
	Limassol	*	*	*	*	*	1017·3	+1	61	0	−	0	−	b	0	−	73	52				
	Alexandria ...	1019·2	64	−	0	bc	1021·6	+1	64	−4	−	0	NW	bc	0	−	75	59				
	Cairo (Helwan) ...	1018·8	63	N	1	b	1020·4	+0	57	0	−	0	NW	c	*	−	70	54				

LONDON

26th NOVEMBER, 9h. G.M.T.

	Humidity. 15 h. 25th	Humidity. 9 h. 26th.	Sunshine for 25th.	24 Hours ended 9 h.....26th.. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	67	60	4·3	45	32	25	2	b. bc	os or s	o. bc
CITY (Bunhill Row)	*	*	4·3	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	63	66	4·2	51	33	27	2	bcrs. c	o	b. bcm
CAMDEN SQ. (British Rainfall) ..	−	63	4·1	46	31	27	2	−	−	*
HAMPSTEAD (Reservoir)	*	61	4·7	44	28	19	2	bc. os	b. c	bc x
S. KENSINGTON (Museum Grounds)	*	65	4·3	46	32	28	2	bc. ors	o. c	bc. o. bc

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ..25th..

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
250	8·2	23

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

GALES.

Duration and Extreme Force in British Isles.

DEERNESS
Gale: NW 8, 9-18h (25th)

ESKDALEMUIR [23rd
Extreme Gust 23 m/s, afternoon

MAUN HEAD
Gale: NNW 8, 13-23h (25th)

CAHIRCIVEEN
Extremes: NW 8 at 9h (25th)
Gusts 25m/s, afternoon "

DONAGHADEE
Gale: NW 9, 9-13h (25th)
NW 8, 13-22h " .

SOUTHPORT
Gale from 8-14h (25th)
Extreme WNW 9 and gusts 30 m/s.

HOLYHEAD
Gale NW-NNW, 13-21h (25th)
Extremes: NW 10 at 13h "
NW 9 at 18h " .

HARTLAND QUAY
Gale: NW 8, 6-9h (25th)
Extremes: NW 9 at 8h "
NW 9 at 15h "
NNW 9 at 18h "

SCILLY.
Gale: NW 8, 7-10h (25th)
NW 8, 14-15h " .

NAIRN
Gale: NNW 8, 12-16h (25th)

ABERDEEN
Extreme Gusts: 23m/s at 13h
" : 28 m/s at 16h)

LEITH
Extreme Gusts: NW 8 at 18h (25th)

SPURN HEAD
Gale: WNW-NNW 8, 13-18h (25th)

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 Meteorological Office.

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,459 TUESDAY, 27TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

Cold weather was general, the afternoon maxima being below 40° in several districts, and very few stations reached 50°. In the night temperature rose to between 50° and 56°. Rain was general, snow in places. At Malin Head the rainfall was 22 mm. At most places there was no sunshine. A gale from between S. and W. was felt over a wide area.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 26TH NOVEMBER

	STATIONS.	Rainfall Night. 18h-9h.	Rainfall Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 26th
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	2	4	46		o.s	s.o	0·0
	Montrose							
	St. Andrews	*	*	42	29	ops	ops	0·0
Eng. N.E.	Harrogate	-	1	36	28	c	o	0·3
	Skegness	-	-	36	30	bc	bc.os	1·6
England, E.	Felixstowe	Trace	-	37	31	bc	bc.o	3·1
	Walton-on-Naze							
	Southend-on-Sea	-	-	40	31	b.bc.c.o	o	3·5
England, S.E.	Margate	-	-	38	34	bc.b.o	o	2·1
	Hastings	Trace	-	39	31	op.b.bc	bc.o	4·5
	Eastbourne	-	-	41	31	bc	o	4·1
	Seaford	*	*	45	30	b	c	3·5
	Brighton							
	Worthing	-	-	42	30	b	o	3·1
	Littlehampton							
	Bognor	*	*					
	Bournemouth	-	Trace	43	32	b	o.od	2·2

	STATIONS.	Rainfall Night. 18h-9h.	Rainfall Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 26th
		Mm.	Mm.	°F.	°F.			Hr.
Sc'tld W.	Oban	-	23	52	33	or	o	0·0
Eng. N.W.	Morecambe	-	18	47	34	*	*	0·0
	Southport	-	8	46	32	c.o	o.r	0·0
Midlands.	Ross-on-Wye	1	Trace	41	31	o	gd.dq	0·0
Wales.	Rhyl	1	1	49	37	sh	o d	0·0
	Colwyn Bay	-	1	50	47	c	cp.r	0·0
	Llandudno	*	*	48	39	c.r	r	0·0
	Aberystwyth	*	*	44	38	r.o.c	or.r	0·0
England, S.W.	Weymouth	*	*	45	34	3.bc.c	c.g	0·3
	Torquay	1	-	45	35	o	o	0·0
	Paignton	*	*	46	36	bc	c	0·3
	Penzance	1	Trace	47	40	o.c	om	0·2
	Newquay	-	1	46	40	o	od	0·0
	Ilfracombe							
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 26TH NOVEMBER

	STATIONS.	Evening of 25th: Barom. Millibars at M.S.L.	Evening of 25th: Temp.	Evening of 25th: Wind Direc.	Evening of 25th: Wind Force 0–12.	Evening of 25th: Weather.	Morning of 26th: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.						°F.	°F.					F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel						981·6	- 2	9	+2	NE	4	s	-	*	3
	Gorki	982·6	41	NNW	2	o	982·1	*	37	-8	SW	7	s	12	*	30
	Vijni Volochek	969·6	37	NW	1	o		*							*	
	Hangö	977·5	28	-	o	o	988·0	+8	25	-5	NNE	3	bc	-	*	23
	Petrograd	973·0	30	NW	6	r	978·1	+4	28	-2	N	3	o	3	30	27
	Moscow	978·6	43	SSW	4	o									*	
	Kiev						997·9	+7	43		W	5	bc	-	*	41
	Kharkov														*	
	Kishinev														*	
	Elisabetgrad						1002·3	+4	39		WSW	3	o	-	*	39
	Nicolaiev	1003·5	48	SSW	5	b	1004·4	*	46		SW	3	b	-	*	39
	Odessa						1004·8	+4	41		WSW	3	o	-	*	41
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1003·0	39	NE	1	o	1006·9	*	37		E	4	r	14	48	?
	Turin	1007·1	41	-	o	bc	1007·4	*	41	+11	-	o	bc	-	45	39
	Pesaro	1004·3	52	SW	1	o	1002·1	*	45	o	?	6	r	2	54	43
	Leghorn	1007·5	55	S	1	o	1002·1	*	46	-4	-	o	o	-	55	45
	Rome	1012·2	52	SW	1	o	1002·9	*	55	+18	SW	3	o	8	55	52
	Viesti	1009·8	54	-	o	b	1003·7	*	55	+9	SE	2	bc	-	55	43
	Brindisi	1011·9	52	S	1	b	1008·6	*	54	-2	S	2	b			
	Cagliari							*								
	Palermo	1013·1	52	-	o	b	1010·5	*	57	+2	ESE	4	b	-	64	48
	Tripoli						1018·6	*	57		SW	2	o	Trace	72	55
	Algiers	1020·8	54	S	5	b	1016·0		54	o	W	8	b	-	61	54
Sweden	Hernösand							*							*	*
	Stockholm							*							*	*
	Wisby							*							*	*

ICELAND.	Morning of 26th: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord						
Reykjavik						
Vestmanna						
Seydisfjord						
Thorshavn	1001·5	29	o	SSW	4	o

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

27TH AND 28TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·36	11·41	3·45
	7·38	11·41	3·44
Greenwich	7·39	11·48	3·56
	7·41	11·48	3·55
Wick	8·30	12·0	3·29
	8·33	12·0	3·27
Valencia	8·22	12·29	4·35
	8·24	12·29	4·34

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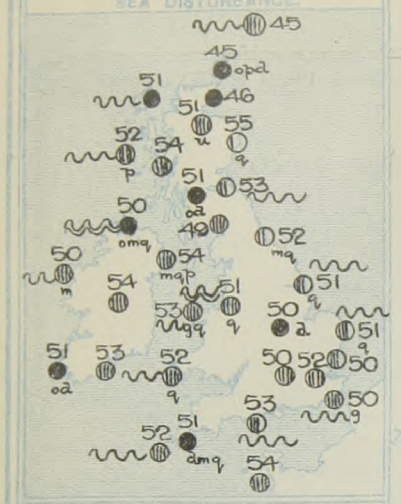
‡ The barometric change is expressed in half-millibars

THE MORNING OF TUESDAY, 27TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



FORECAST DISTRICTS.

EXPLANATION.

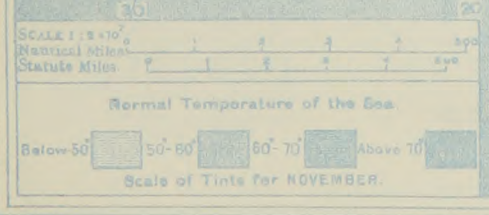
BAROMETER.—Isobars are drawn for intervals of five millibars.

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 ≈≈.



HIGH

985 mb

980 mb

975 mb

970 mb

L O W

Bar. falling

970 mb

975 mb

980 mb

985 mb

990 mb

995 mb

1000 mb

1005 mb

1010 mb

1015 mb

1020 mb

1025 mb

Barometer steady

Bar. falling

1030 mb

1035 mb

H I G H

1035 mb

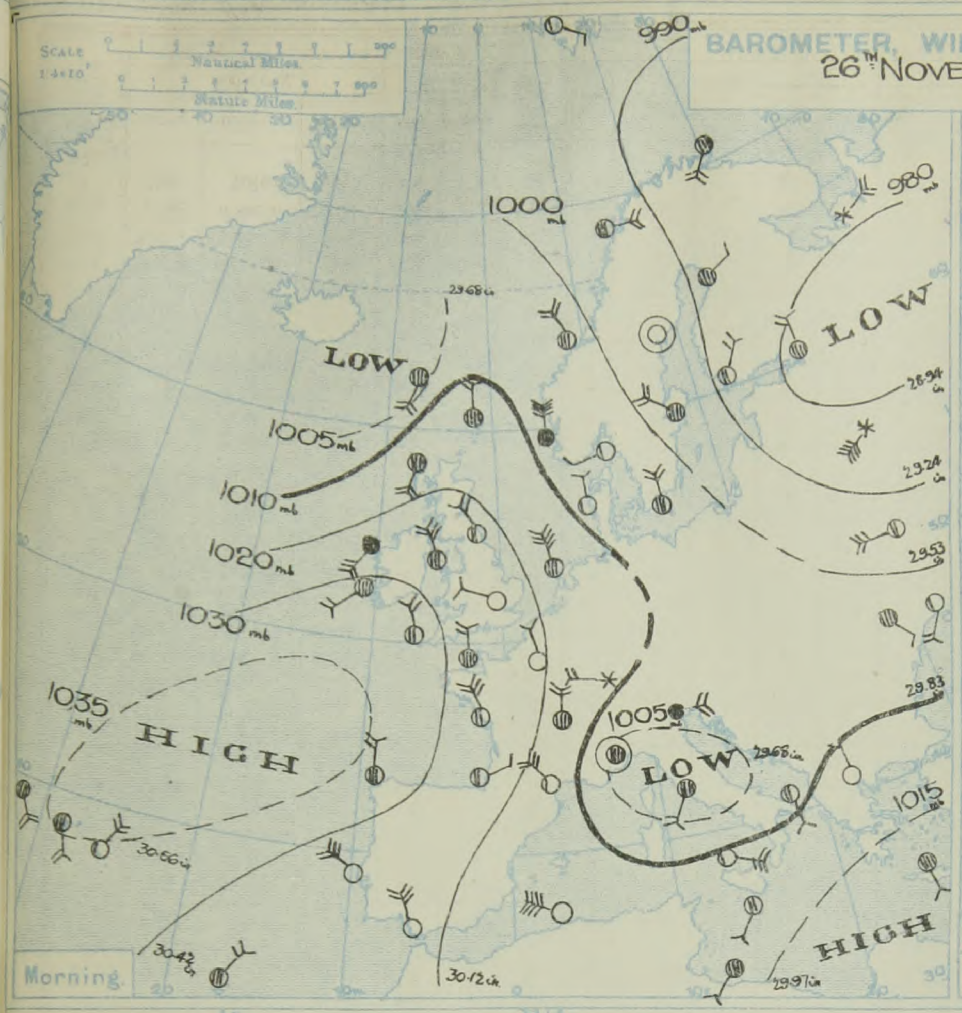
1030 mb

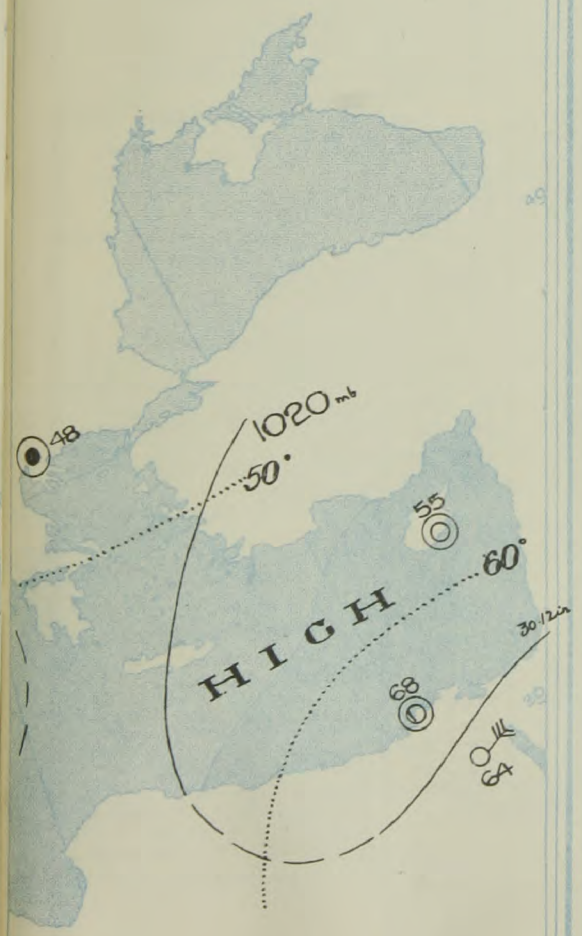
1025 mb

1020 mb

1015 mb

L O W





The Present Situation

The anticyclone still occupies the region between the Azores and France, the barometer being at 1035 mb. at Corunna. The depression which was out on the upper Atlantic yesterday morning has moved quickly across to the Norwegian coast, where the barometer is now below 970 mb. There is consequently a steep pressure gradient between Southern Norway and the North of France, and squally West winds, strong to a strong or whole gale prevail over that region. The sky is overcast generally, and rain is falling in many localities, snow at Copenhagen.

The General Outlook

Although the disturbance is passing away, the wind in its rear shows little tendency to veer Northerly, and the barometer over the British Isles is unsteady, showing only a slight rise locally. It seems probable, therefore, that other depressions exist out on the Atlantic, and that no improvement of a lasting character is to be expected for a time.

R. G. K. LEMPFERT. Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 331. Tuesday, 27th NOVEMBER.

	STATIONS.	EVENING OF....26th. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	MORNING OF.....27th... 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.	24 HOURS ENDED 7 A.M....27th. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 26th.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	980·0	43	SW	6	rq	977·8	0	45	+12	WNW	6	–	o	6	9	47	33	osp	ospq	oq	*
	Deerness (Orkney)	985·4	49	W	6	oru	983·7	*	45	+11	WNW	4	–	opd	3	6	49	34	orsv	orsqu	olp.o	0·0
	Stornoway ...	992·2	51	W	8	olpq	989·0	-1	51	+13	WNW	8	–	r	6	14	51	35	orq	or.olpq	orsq	0·0
	Castlebay (Barra Isd.)	1000·0	51	WNW	6	olp	997·9	0	52	+10	WNW	8	–	olp	6	8	52	39	or	or. olp	olp.r.olp	0·0
	Glasgow ...	1001·0	48	WSW	3	od	997·5	0	51	+18	W	4	–	od	*	14	51	31	osq	ors.p	odlpq	0·0
	Eskdalemuir ...	1003·9	38	SSW	3	od	988·8	+3	49	+21	WSW	6	–	o	*	9	51	26	cx.o	os	od.o	0·0
	Malin Head ...						1001·7	0	50	+10	W	8	–	omrq	8	22	51	36			omrq	0·0
	Blacksod Point	1012·4	51	SW	7	omr	1010·7	+2	50	+11	W	6	–	om	6	2	51	38	omr	ompq	omp.om	*
	Valencia (Cahirciveen)	1022·7	52	WSW	6	o	1020·0	0	51	+7	W	4	–	od	?	2	53	43	odr	od.c	o	0·0
	Roche's Point	1025·5	46	SW	4	o	1017·3	*	53	+7	W	3	–	om	3	1	55	39	or.o	o	o.c.o	*
	Birr Castle ...	1015·8	52	W	3	o	1013·4	*	54	+19	NW	3	–	o	*	2	54	33	od	od.o	od.o	0·0
	Donaghadee ...	1005·1	51	W	6	omrq	1004·2	+2	54	+19	W	5	–	ompq	4	13	54	33	omrsq	omrq	omrq	*
	Liverpool (Bidston)	1009·6	38	SW	7	r	1005·6	-1	51	+12	WSW	8	SW	oq	7	7	52	37	c.o	or	orq	0·0
	Holyhead ...	1011·6	49	WSW	6	orq	1008·5	0	53	+11	WSW	7	–	ogq	6	3	52	39	orq	orq	ogq	0·0
	Pembroke (St. Ann's)	1018·3	49	SW	7	r	1014·8	+2	52	+11	W	5	*	oq	5	6	53	41	cv.c.or	orq	olpq.oq	0·0
	Hartland Quay	1022·2	48	SW	8	omd	?	0	53	+9	WSW	5	–	o	4	2	53	44	o	od.omr	olpd.o	*
	Scilly (St. Mary's)	1026·2	48	W	6	omd	1021·3	-1	52	+8	WNW	7	W	o	6	1	52	41	c.o	omd	om.c.o	0·0
	Falmouth ...	1024·2	45	SW	7	omdq	1018·5	0	51	+11	NW	6	–	dmq	*	1	53	39	bc.c.o	o.omdq	bcq.dq	0·3
	Jersey (St. Aubin)	1028·2	44	W	4	olpg	1017·9	*	54	+11	W	6	–	o	4	4	54	42	o.c.olpo	olp.olpg	or.o	0·8
	Portland Bill ...	1022·9	45	WSW	6	oq	1014·3	0	53	+9	WNW	6	NW	c	5	0·3	54	42	bc.c	bcpq	o.cq	*
	Dungeness ...	1023·4	42	WSW	4	o	1009·5	-1	50	+20	W	5	–	og	5	26	56	?	b	bc.o	or	*
	Dover	*	*	*	*	*													*	*		
	Wick	988·9	44	WNW	4	olmp	985·6	-1	46	+13	WNW	4	–	r	4	6	50	33	omsqu	omslpq	omgrq	*
	Nairn	992·9	48	WSW	4	oq	988·3	*	51	+18	WSW	3	–	ou	2	1	53	32	pq	cq	cgq	0·0
	Aberdeen	993·8	38	SSW	4	o	988·1	-2	55	+23	W	6	W	bq	3	3	55	31	ox.osq	osq.o	o.c.bcq	0·0
	Leith	998·3	47	WSW	6	o	993·9	0	53	+21	WSW	7	W	bc	5	1	54	31	c.ors.o	od.or.o	o.cq.bc	*
	Tynemouth ...	1004·1	41	SW	3	omq	996·6	-1	52	+22	WNW	4	W	bcmq	4	2	52	30	om	omsq	bcmq	*
	Spurn Head ...	1012·6	35	SW	5	osq	1001·0	0	51	+16	WNW	7	–	cq	6	8	51	35	olm	omsq	cq	0·0
	Yarmouth (Gorleston)	1018·6	34	WSW	3	o	1004·1	-2	51	+18	WNW	6	–	cq	5	14	52	32	c.om	c.om	osq.rq	2·0
	Clacton-on-Sea	1021·7	38	WSW	4	o	1007·2	0	50	+18	WSW	4	NW	c	3	19	50	31	b.bc.c.o	og	bgr.cr	2·9
	Nottingham ...	1013·7	37	SW	4	r	1006·6	*	50	+18	SW	2	SW	d	*	2	50	31	c.o	or	d	0·0
	Benson (Oxon.) ...	1019·9	37	SSW	5	r	1009·9	+2	50	+22	W	3	–	o	*	2	51	26	b.o	ors	or	*
	Sth Farnborough	1022·1	38	SW	4	r	1010·9	+1	51	+21	WSW	3	–	o	*	5	52	28	b. o	od.r	or.o	2·2
	Salisbury Plain	1021·4	38	SW	5	orq	1012·2	0	50	+12	W	6	–	oq	*	1	50	28		oq	orq	*
	London (Kew Obsy.)	1021·6	39	SW	4	or	1009·6	-0	52	+19	W	4	–	o	*	10	52	38	bx.bc.c.o	o or	or.o	2·1
NORTHERN EUROPE.	Spitsbergen ...	989·5	-8	–	0	b	987·1	-1	1	+5	ENE	1	*	b	*	*	14	-9				
	Vardö	985·6	14	W	4	b	984·8	0	18	0	WSW	4	–	bc	3	*	18	14				
	Bodö	986·4	28	E	4	b	978·6	-3	21	-6	E	1	–	b	1	–	28	19				
	Christiansund ...	990·7	34	NW	3	b	969·9	-3	34	-2	–	0	–	c	4	1	36	28				
	Skudesnaes ...	992·6	34	SSE	10	r	977·1	-5	46	+9	NW	10	–	o	7	11	47	34				
	Færder (X'tiania Fjord)	999·1	39	WSW	4	o	973·1	-4	45	+15	WSW	7	NW	b	4	5	39	30				
	The Scaw (Skagen)																					
	Blaavands Huk	1011·0	41	WNW	5	o	991·5	-6	46	+7	W	5	–	r	*	2	50	36				
	Copenhagen ...	1010·6	37	WSW	3	bc	993·1	-9	37	+7	SW	7	–	s	*	2	37	30				
	Bornholm ...	1009·8	41	WSW	8	o	995·6	-10	36	+4	SW	10	–	r	3	4	39	30				
FRANCE, &c.	The Helder ...	1017·5	41	SW	5	o	1000·6	-3	48	+5	WSW	6	–	r	5	9	48	39				
	C. Gris Nez ...	1023·8	41	NW	5	o	?1009·8	0	51		WSW	5	*	o	5	20	45	39				
	La Hève	1026·6	42	W	4	o	1016·3	*	50		WNW	5	*	r	6	7	50	42				
	Brest (St. Mathieu)	1030·7	48	WNW	4	o	1022·6	0	54	+11	WNW	5	*	o	4	1	52	39				
	Rochefort (Ile d'Aix)												*		*							
	Biarritz												*									
	Paris	1027·4	39	NW	2	o	1016·8	-4	37	+2	SSW	3	–	r	*	10	43	34				
	Belfort	1026·2	34	W	4	c	1025·2	*	31	-1	WSW	4	*	o	*	–	39	28				
	Lyons	1026·6	35	N	5	o	1027·3	*	33	-3	–	0	*	o	*	–	38	31				
	Nice	1010·4	45	E	1	bc	1019·9	+3	39	-2	W	1	*	b	2	–	57	36				
	Perpignan ...	1023·4	41	NW	5	b	1024·3	+1	43	-1	NW	5	–	o	*	–	46	37				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1034·3	52	NNE	4	b	1033·0	+1	46	-6	–	0	–	o	2	–	55	41				
	Madrid														*							
	Lisbon																					
	Azores (Horta) ...	1033·4	*	SSE	5	b							*									
	Madeira	1027·6	66	NE	3	bc	1027·6	0	57	-6	NE	4	–	b	4	–	70	57				
	Gibraltar	1022·7	64	E	4	b	1024·0	*	51	-7	E	4	*	b	4	–	66	50				
	Malta	*	*	*	*	*	1014·2	+3	55	0	NNE	2	–	r	2	Trace	64	55				
	Limassol	*	*	*	*	*	1022·3	+3	55	-6	–	0	–	b	0	–	72	50				
	Alexandria ...	1021·0	64	–	0	b	1022·2	+1	68	+4	–	0	W	b	0	–	77	59				
	Cairo (Helwan) ...	1019·4	63	NE	2	b	1019·3	+2	64	+7	ENE	5	–	b	*	–	72	57				

GALES.

Duration and Extreme Force in British Isles.

STORNOWAY
SSW 8 at 13h (26th)
W 8 at 18h "
WNW 8 at 7h (27th)

CASTLEBAY
Gale: WNW 8, early night – 7h (27th)

ESKDALEMUIR
W 8, 2–3h (27th)
Extreme Gusts 25 and 31 m/s.

MALIN HEAD night.
SW 8 at 13h.
WSW 8 at 21h (26th) and 1h (27th)
W 8 at 7h (27th)

SOUTHPORT
Gale at 18h (26th)
" 3–7h (27th).
Extreme Gust 26 m/s.

LIVERPOOL
Gale from 23h (26th) – 7h (27th)

HARTLAND QUAY
Gale, SW 8: 16–19h (26th)

JERSEY [27th]
Gale, W 8: 23h – early morning

DUNGENESS
Gale: SW 8 21h (26th) – 3h (27th)

ABERDEEN
Extreme Gusts:
20 m/s at 16h (26th)
19 m/s at 7h (27th)

NOTES

SOLAR HALO observed at Clacton at 13h (26th)
S. Farnborough 10.15 – 11.30h
Salisbury Plain at Noon. (26th)
Greenwich in forenoon.
S. Kensington 11h – 12h (26th).

LONDON 27th NOVEMBER, ..9h. G.M.T.	Humidity. 15 h. 26th.	Humidity. 9 h. 27th.	Sunshine for 26th.	24 Hours ended 9 h.....27th... Temperature. Max.	Temp. Min.	Temp. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	68	83	0·8	52	34	32	14	bz.c	o	ors.or.o
CITY (Bunhill Row)	*	*		*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	70	84		52	34	29	13	m	m	m.oru
CAMDEN SQ. (British Rainfall) ..	69	86	1·6	52	33	32	14	bc.o	o	*
HAMPSTEAD (Reservoir)	*	86	2·0	50	35	29	12	bc.ors	ors	or.bc
S. KENSINGTON (Museum Grounds)	*	75	1·3	52	34	34	12	bz.b	c.o	or.o

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ..26th..

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
210.	7.2.	17.3.

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

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,460. WEDNESDAY, 28TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

High temperatures were general, afternoon maxima of 55° to 58°, and night minima of 48° to 52° at numerous stations. Rain was mostly in the form of local showers. As a rule there was little or no sunshine, though Montrose had 5 hours, and Torquay 5½ hours.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 27TH NOVEMBER

	STATIONS.	Rainfall Night 18h-9h.	Rainfall Day 9h-18h.	Temperature Max.	Temperature Min.	Weather Forenoon.	Weather Afternoon.	Sunshine for 27
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	Trace	-	54	45	or. c	c. r. c	1·2
	Montrose	-	-	58	47	bc	bc	5·0
	St. Andrews							
Eng. N.E.	Harrogate	1	-	53	35	0. bc	0	0·9
	Skegness	13	-	56	32	0	bc	0·2
England, E.	Felixstowe	15	-	56	32	bc	bc	1·0
	Walton-on-Naze							
	Southend-on-Sea	2	-	57	33	o. c. bc. c	0	2·0
England, S.E.	Margate	17	-	56	34	c	c. bc. c	1·3
	Hastings	22	-	57	42	bc. b	bc. 0	2·0
	Eastbourne	26	-	57	37	bc. b	bc. 0. q	2·9
	Seaford	*	*	56	42	bc	c	3·3
	Brighton							
	Worthing	16	-	58	40	b	bc	4·4
	Littlehampton	*	*	57	41			4·4
	Bognor	*	*					
	Bournemouth	Trace	-	57	40	c	0	2·0
Sc'tld W.	Oban	12	-	54	36	0. c	0	0·0
Eng. N.W.	Morecambe	15	1	51	46	*	*	0·0
	Southport	11	Trace	51	46	oq	ode	0·0
Midlands.	Ross-on-Wye	Trace	-	57	51	c. o	0	1·0
	Malvern	1	-	55	39	bc. c	c. o	1·0
Wales.	Rhyl	11	Trace	55	48	r. c	op	0·0
	Colwyn Bay	?	?	55	45	c	p. c	0·0
	Llandudno	*	*	54	50	r	r. c	0·0
	Aberystwyth	*	*	52	40	r. o. c	c. o	0·0
England, S.W.	Weymouth	*	*	57	44	c. bc. b	b. bc. c	2·8
	Torquay	-	-	57	41	bc. c. bc	bc. c	5·4
	Paignton	*	*					
	Penzance	1	1	54	45	om	c. or	0·0
	Newquay	-	Trace	52	43	o	o	0·0
	Ilfracombe	5	Trace	52	43	bcp	p. bc	3·1
	Weston-s-Mare							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 27TH NOVEMBER

	STATIONS.	Evening of 26TH: Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0–12.	Weather.	Morning of 27TH: Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind. Direc.	Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F.	°F.
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	978·1	43	NW	4	s	991·3	*	21	+12	NW	5	s	-	*	14
	Gorki	1008·3	34	NNW	1	b		*							*	
	Vyni Volochok						1010·4	*	23		SW	4	b	1	*	19
	Hangö	999·9	34	WNW	4	o	994·7		37	+12	WSW	6	o	2	*	21
	Petrograd	999·5	23	WNW	4	o	1000·3		30	+2	SW	3	o	1	32	21
	Moscow	1002·0	34	SW	4	o	1017·0		27		WSW	4	b	4	*	25
	Kiev	1016·4	36	W	1	o									*	
	Kharkov														*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout														*	
	Yuriev	1002·2	37	WSW	5	bc		*							*	
Mediterranean.	Venice	1013·4	41	NNE	1	o	1020·7	*	37	0	NNE	1	c	1	43	37
	Turin	1016·9	41	-	0	b	1023·7	*	38	-3	-	0	b	2	?	30
	Pesaro	1010·7	45	NE	7	r	1018·1	*	46	+1	NE	5	r	21	52	41
	Leghorn	1010·1	46	E	3	o	1017·1	*	43	-3	-	0	bc	-	57	41
	Rome	1006·2	39	N	2	o	1014·5	*	43	-12	E	1	bc	8	?	?
	Viesti	1005·9	55	-	0	c	1016·2	*	52	-3	W	1	bc	-	55	48
	Brindisi	1009·3	54	NNE	7	bc	1015·4	*	52	-2	NNE	1	t	-	55	52
	Cagliari	1005·5	55	W	5	o	1014·1	*	37		NNW	4	b	4	55	37
	Palermo	1007·7	52	ESE	4	o	1014·6	*	45	-12	-	0	t	3	63	43
	Tripoli						1014·5	*	52	-5	SW	1	b	-	72	50
	Algiers	1019·2	50	ENE	5	r	1021·2		45	-9	NNW	6	r	37	57	39
Sweden	Hernösand	1002·0	19	-	0	b	985·9	*	32		SSE	6	s	*	*	*
	Stockholm	996·4	25	SW	2	b	979·6	*	34		SSW	6	s	*	*	*
	Wisby	1005·9	32	SW	4	b	992·0	*	36		SW	9	r	*	*	*

Morning of 27TH

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind Direc.	Wind Force 0–12.	Weather.
		°F	°F			
Isafjord						
Reykjavik						
Vestmanna						
Seydisfjord						
Thorshavn	978·1	36	+7	WNW	6	o

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

28TH AND 29TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·38	11·41	3·44
	7·39	11·41	3·43
Greenwich	7·41	11·48	3·55
	7·42	11·48	3·54
Wick	8·33	12·0	3·27
	8·35	12·0	3·26
Valencia	8·24	12·29	4·34
	8·25	12·29	4·33

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‡ The barometric change is expressed in half-millibars

THE MORNING OF WEDNESDAY, 28TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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.
Ts, thunderstorm.

SEA DISTURBANCE.—Rough ~~. High ≈≈.

LOW

LOW

HIGH

LOW

Bar falling slightly

Barometer is rising slowly

29·24 in.
29·09 in.
28·94 in.
29·38 in.
29·53 in.
29·68 in.
29·83 in.
29·97 in.
30·12 in.
30·27 in.
30·42 in.
30·12 in.

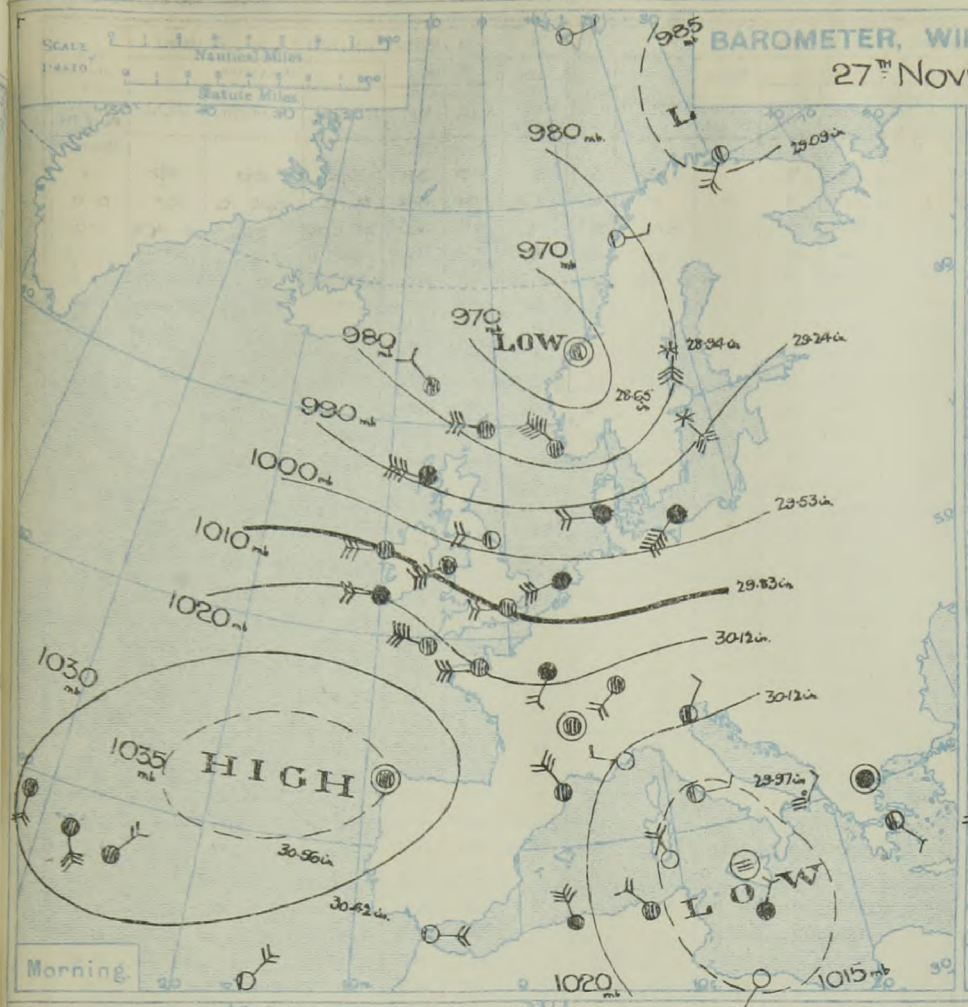
980 mb. 985 mb. 990 mb. 995 mb. 1000 mb. 1005 mb. 1010 mb. 1015 mb. 1020 mb. 1025 mb. 1030 mb. 1020 mb. 1025 mb.

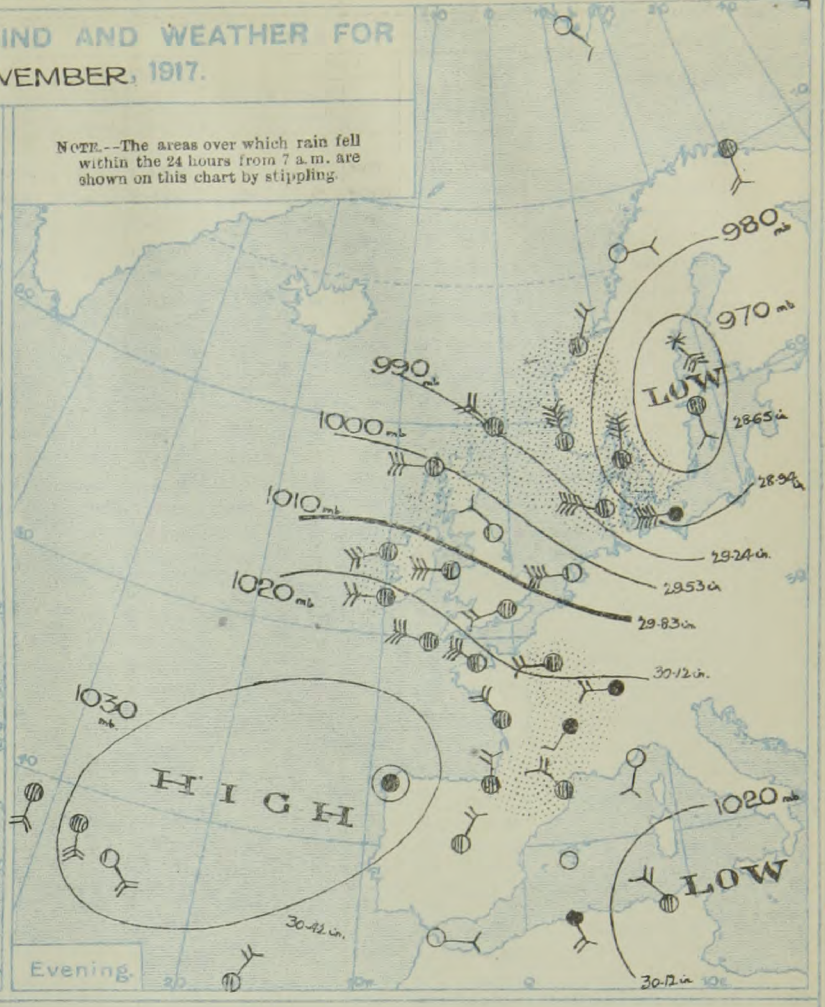
20° 32° 40° 50° 40° 40° 60°

SCALE 1 : 2 × 10⁷
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 575

Normal Temperature of the Sea.
Below 50° 50°-60° 60°-70° Above 70°
Scale of Tints for NOVEMBER.

BAROMETER, WIND AND WEATHER FOR 27TH NOVEMBER, 1917.





The Present Situation

The anticyclone is well established over the lower Atlantic and thence eastward to Central Europe and the Mediterranean, the barometer being above 1025 mb southward of the English Channel. Another depression has appeared to the northward of the Farõe, where the barometer is below 982 mb. Across the British Isles, therefore, there is a considerable pressure gradient, so that moderate to strong or high SW. to W. winds are reported generally. At the foreign stations calms and light breezes prevail. Rain is falling at many of our own western and northern stations, with a misty atmosphere locally, but in other regions the sky is cloudless to overcast.

The General Outlook

The unsteadiness of the barometer and the showery SW. wind at our western stations probably indicate the existence of another disturbance out on the Atlantic, and for the present, therefore, the variable conditions are expected to be maintained.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 332. Wednesday, 28th NOVEMBER.

	STATIONS.	EVENING OF ...27TH. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF ...28TH. 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 0-3.	24 HOURS ENDED 7 A.M...28TH. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 27TH. Hours.
			°F						°F.	°F.							°F.	°F.				
BRITISH ISLANDS.	Lerwick ...	990·4	40	NW	4	o	993·1	-3	44	-1	SW	3	-	om	3	5	43	38	opq	op	op	*
	Deerness (Orkney)	995·2	43	WNW	5	cp	993·5	*	46	+1	SW	3	-	r	3	13	46	42	op.c	opq.c	cr	0·0
	Stornoway ...	1001·1	45	W	6	cpq	995·5	-1	51	0	WSW	7	-	orq	5	7	51	45	or.cpq	cpq	c.orq	1·5
	Castlebay (Barra Isd.)	1007·2	50	WNW	4	o	1003·1	-1	52	0	W	5	-	op	5	2	52	?47	op.c.o	o	or.op	0·7
	Glasgow ...	1006·2	47	WSW	4	c	1006·0	0	51	0	WSW	6	-	ogq	*	0·3	52	45	opd.bc	c	c.oqdp	0·5
	Eskdalemuir ...	1006·0	47	WNW	6	bc	1008·4	0	50	+1	WSW	6	-	o	*	3	52	44	o.or.c	o.c.bc	bcod.o	1·3
	Malin Head ...	1008·5	49	W	7	bm	1006·7	0	50	0	SW	7	-	omq	6	5	51	48	omdq	fd	omq	0·0
	Blacksod Point	1013·7	50	WSW	5	qfc	1012·5	-2	51	+1	WSW	6	-	ome	5	1	51	49	ofd	ofc	of.ofc	*
	Valencia (Cahirciveen)	1022·2	52	W	4	o	1021·7	0	52	+1	SW	4	-	opd	o	Trace	53	51	omd	omd	o	0·0
	Roche's Point	1018·3	55	NW	4	c	1022·0	*	52	-1	WSW	3	-	o	3	-	57	50	o.c	c.o	c.o	*
	Birr Castle ...	1017·3	52	W	2	o	1018·1	*	53	-1	WSW	2	-	r	*	1	54	51	od.o	od.o	od	0·0
	Donaghadee ...	1008·1	53	W	4	omdq	1010·4	+1	53	-1	W	5	W	bcq	4	0·1	55	52	cpq	ompq	bcq	*
	Liverpool (Bidston)	1011·4	49	SW	6	o	1016·0	+0	53	+2	SW	4	W	oq	4	-	53	48	oq	oq	o.c	0·0
	Holyhead ...	1013·4	53	W	6	cmgq	1016·0	0	52	-1	WSW	6	W	bc	4	0·1	54	51	op.cm	o.cm	o.c.bc	0·0
	Pembroke (St. Ann's)	1019·4	52	W	5	c	1021·5	+1	52	0	WSW	5	W	c	5	-	54	51	cq	bcq	oq.cq	3·5
	Hartland Quay	1020·4	53	W	5	b	1024·6	+2	52	-1	WSW	6	-	omd	4	Trace	54	51	op.o.c	c.b.o.b.o	b.o	*
	Scilly (St. Mary's)	1023·5	51	WNW	6	om	1026·3	0	51	-1	W	4	W	bc	6	0·3	53	48	omp	om	fc.o.bc	0·1
	Falmouth ...	1021·4	51	WNW	7	cmdq	1025·3	+2	50	-1	WSW	3	-	b	*	Trace	53	48	dmq.oq	cmq.cq	cmq.b	0·3
	Jersey (St. Aubin)	1021·3	54	WNW	6	c	1026·2	*	52	-2	WNW	5	-	o	3	1	56	50	op	o.c.bc	c.op.o	0·1
	Portland Bill ...	1017·7	54	W	5	c	1021·9	+2	50	-3	WSW	4	-	b	4	-	55	49	bc	bc.c	bc.b	*
	Dungeness ...	1013·9	53	W	5	o	1020·7	+1	53	+3	WSW	4	W	c	4	-	56	?	o.bc	bc.o	o.bc.c	*
	Dover	*	*	*	*	*											*	*				
	Wick	997·4	45	WNW	4	c	996·1	-6	47	+1	SW	4	-	r	4	9	51	42	rq.bcp	bcpq.c	c.omr	*
	Nairn	1000·8	45	W	2	cg	996·9	*	51	0	WSW	3	-	or	2	4	53	44	opq.c	pqgu	cpgq	0·8
	Aberdeen	1000·2	46	WNW	6	b	999·1	-3	50	-5	WSW	3	-	c	3	1	57	44	bq	b.bcpq	b.bc.op	4·4
	Leith	1003·3	49	W	5	bc	1004·2	0	53	0	W	6	-	o	5	-	55	43	bcq.bc	bc.b.bc	bc.qc.o	*
	Tynemouth ...	1005·0	50	NW	2	bmq	1005·0	-1	54	+2	WNW	5	NW	bcq	4	-	56	48	bcq	bcq	bcq	*
	Spurn Head ...	1006·9	52	WNW	7	bc	1012·9	0	50	-1	W	4	-	bq	5	-	54	49	cq	cq	bcq	0·0
	Yarmouth (Gorleston)	1008·6	54	WNW	6	bcq	1015·7	+2	51	0	W	4	-	bcq	4	-	56	49	cq.om	cq.o.bc	bcq	0·4
	Clacton-on-Sea	1012·0	55	WNW	4	c	1019·1	+3	52	+2	WNW	2	NW	o	2	-	56	48	c.bc.c	c	c.o	0·3
	Nottingham ...	1012·3	54	WNW	3	d	1016·8	*	51	+1	SW	2	SW	b	*	1	57	50	od	od	od.c	0·0
	Benson (Oxon.) ...	1015·1	53	WSW	4	o	1019·7	+2	46	-4	SW	3	-	b	*	0·1	57	45	c	o	b	*
	Sth Farnborough	1015·6	53	W	3	o	1021·0	+2	46	-3	WSW	3	-	bw	*	Trace	55	46	o.b.o.c	c.o	od.o.bw	1·5
	Salisbury Plain	1016·8	51	W	6	odq	1021·3	+2	?48	-2	W	5	-	bq	*	Trace	53	46		odq	oq	*
	London (Kew Obsy.)	1015·2	54	WSW	3	o	1020·6	+3	50	-2	SW	3	-	b	*	Trace	56	50	o.c.bc.o	o	o.c.bc.b	2·0
NORTHERN EUROPE.	Spitsbergen ...	989·0	-13	SSE	1	b	992·8	0	-20	-21	SE	1	*	b	*	*	1	-24				
	Vardö	987·5	14	S	3	o	991·2	+1	14	-4	-	0	-	b	4	*	18	14				
	Bodö	983·0	18	E	2	b	991·5	0	16	-5	E	4	-	b	2	-	21	12				
	Christiansund ...	985·2	34	NNE	3	c	994·6	+1	36	+2	-	0	-	b	4	2	34	30				
	Skudesnaes ...	988·0	43	NNE	8	c	998·8	+1	41	-5	ESE	3	-	c	5	2	45	37				
	Færder (X'fiania Fjord)	974·2	39	N	7	o	999·4	+7	39	-6	WNW	3	-	b	3	Trace	46	36				
	The Scaw (Skagen)	971·9	45	W	7	o	1000·0	+5	39		WNW	3	-	b	3	-	48	39				
	Blaavands Huk	988·2	48	WNW	10	c	1007·5	+5	46	0	WNW	3	-	o	*	1	50	43				
	Copenhagen ...	978·6	46	WNW	6	o	1004·4	+8	41	+4	WNW	3	-	b	*	3	48	36				
	Bornholm ...	975·0	47	W	10	r	1001·8	+12	41	+5	NW	8	-	c	3	14	46	37				
FRANCE, &c.	The Helder ...	1005·4	50	W	7	b	1014·7	+3	50	+2	SW	4	-	o	5	-	52	50				
	C. Gris Nez ...	1014·7	53	SW	5	o	1021·1	+1	52	+1	WSW	5	*	o	4	1	54	50				
	La Hève	1017·9	50	W	5	o	1024·3	*	49	-1	W	5	*	o	4	1	52	46				
	Brest (St. Mathieu)	1025·5	53	NW	5	o	1029·0	+2	50	-4	NW	4	*	m	3	-	54	48				
	Rochefort (Ile d'Aix)												*		*							
	Biarritz	1025·5	55	N	3	o	1028·6	0	52		-	0	*	o	3	5	55	52				
	Paris	1018·7	52	SW	2	o	1025·6	+4	51	+14	SSW	2	-	o	*	1	54	37				
	Belfort	1023·4	34	W	3	r	1029·2	*	39	+8	W	2	*	r	*	3	39	34				
	Lyons	1025·5	35	SW	1	r	1029·8	*	37	+4	-	0	*	f	*	2	37	34				
	Nice	1024·3	42	SSW	2	b	1028·0	+3	41	+2	E	1	*	b	2	-	52	37				
	Perpignan ...	1023·5	32	NW	3	o	1028·0	+3	46	+3	E	1	N	o	*	7	52	45				
	Sanguinaire ...	1021·0	31	E	2	b	1025·2	*	50		E	3	*	b	3	-	61	41				
SOUTHERN STATIONS.	Corunna	1033·0	52	-	0	r	1032·2	0	52	+6	-	0	-	o	1	Trace	54	46				
	Madrid	1026·7	30	NNE	3	c	1030·6	+4	39		-	0	-	bc	*	-	54	36				
	Lisbon																					
	Azores (Horta) ...	1030·4	*	SSE	5	o	1027·5	-1	61	+2	S	4	*	o	2	-	66	59				
	Madeira	1029·5	64	NE	3	bc	1024·3	0	59	+2	NE	4	-	c	4	-	68	57				
	Gibraltar	1025·7	56	E	2	b	1023·7	*	49	-2	E	3	*	b	3	-	61	47				
	Malta	*	*	*	*	*	1020·3	+3	64	+9	ESE	4	SW	bc	3	Trace	64	55				
	Limassol	*	*	*	*	*	1023·4	+1	52	-3	-	0	-	o	0	-	72	48				
	Alexandria ...	1022·6	66	ENE	1	bc	1024·0	+1	70	+2	ENE	1	NE	c	1	-	77	64				
	Cairo (Helwan) ...	1019·8	64	NE	4	bc	1021·1	+2	64	0	NE	3	-	b	*	-	77	61				

GALES.

Duration and Extreme Force in British Isles.

CASTLEBAY
Gale: WNW 8, early morning — 14h (27th)

ESKDALEMUIR
Extremes: W 8 at noon and 17h (27) Gusts 26m/s, morning and 27m/s afternoon (27th)

NAIRN
Gale: W 8, 9-13h (27th)

ABERDEEN
Gale: W 8, 11-13h (27th)
Extreme Gusts 29 m/s.

LEITH
Extreme Gusts W 8, early morning (27th)

SPURN HEAD
WNW 8 at 13h (27th)

LONDON 28TH NOVEMBER, ...9h. G.M.T.	Humidity. 15 h. 27th.	Humidity. 9 h. 28th.	Sunshine for 27th.	24 Hours ended 9 h.....28th. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	80	86	2·4	57	49	42	-	bc.o	bc.o	c.oo.o
CITY (Bunhill Row)	*	*	3·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	81	85	2·6	57	49	44	-	bc.o	o	o.bm
CAMDEN SQ. (British Rainfall) ...	81	83	3·2	57	48	44	-	bc	bc.o	*
HAMPSTEAD (Reservoir)	*	92	2·9	55	45	37	-	bc.op	g	c
S. KENSINGTON (Museum Grounds)	*	87	3·0	57	50	43	Trace	b.bc	c.o	o

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ..27th..

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
210	7·0	23·5

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

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 Meteorological Office.

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,461. THURSDAY, 29TH NOVEMBER. 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

High temperatures were again general, Aberdeen reporting a maximum of 60°, while many of the night minima were from 50° to 53°. There was considerable rain in various parts of Scotland, 31 mm. at Nairn. Sunshine was very irregular, none in many places, 7½ hours at Scilly.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 28TH NOVEMBER

	STATIONS.	Rainfall. Night. 18h-9h.	Rainfall. Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for 28TH
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	1	1	57	44	c.bc	c.o.r	2·8
	Montrose	-	-	59	53	bc	bc	4·3
	St. Andrews	-	-	56	45	c	c	0·8
Eng. N.E.	Harrogate	1	1	53	49	cd	od	1·7
	Skegness	Trace	-	57	49	bc	bc.o	4·6
England, E.	Felixstowe	-	-	54	50	bc	bc	3·1
	Southend-on-Sea	-	-	53	48	b.bc.o	o.c.bc.b	1·6
England, S.E.	Margate	-	-	57	51	bc.b	b.bc	4·8
	Hastings	-	-	55	49	bc.b	b.bc	5·1
	Eastbourne	Trace	-	54	50	b.bc	b.bc	5·2
	Seaford	*	*	53	50	bc	bc	4·5
	Worthing	-	-	56	50	e.b	b	4·8
	Littlehampton	*	*	56	50			3·9
	Bournemouth	-	-	56	48	c	c	2·5
Ec'tld W.	Oban	5	10	52	45	r	0	0·0
Eng. N.W.	Morecambe					*	*	
	Southport	Trace	-	53	50	or.oc.bc	c.bc.o	0·8
Midlands.	Malvern	Trace	-	55	50	c	c	0·0
	Ross-on-Wye	-	-	55	51	bc.o	c.o.bc.q	1·3
Wales.	Rhyl	-	-	59	52	c.o	c.bc.c	2·5
	Colwyn Bay	-	-	59	53	c	c	2·1
	Llandudno	*	*	57	52	c	bc	2·9
	Aberystwyth	*	*	52	50	o.c	c.o	0·0
England, S.W.	Weymouth	*	*	55	50	c	c.bc	0·5
	Torquay	-	-	55	51	c.bc.b.o	bc.c.b	1·7
	Paignton	*	*	50	44	o	o	0·0
	Penzance	1	-	57	50	o.bc	bc	4·5
	Newquay	1	Trace	55	49	o	o.f	1·3
	Ilfracombe							

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 28TH NOVEMBER

	STATIONS.	Evening of 27TH: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 28TH: 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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	994·7	16	SE	5	S									*	
	Hangö	969·6	39	SSW	9	r	972·4		36		NNW	2	c	1	*	30
	Yuriev															
	Petrograd	988·2	28	SSE	6	0	975·7		30	0	SE	4	S	-	34	28
	Vijni Volotchok															
	Gorki	1004·8	30	SW	7	0	981·2	*	30		S	7	0	-	*	30
	Moscow	1013·3	28	S	2	c	976·6		30	+3	S	6	S	-	*	23
	Kiev	1012·2	34	SW	3	0									*	
	Kharkov	1015·9	37	S	2	0									*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1023·7	39	WSW	1	b	1027·3	*	36	-1	-	0	0	3	7	36
	Turin	1024·9	39	-	0	c	1028·1	*	37	-1	-	0	c	-	45	34
	Pesaro						1027·0	*	36	-10	SSW	1	b	6	52	32
	Leghorn	1024·1	45	-	0	b	1026·3	*	?		?	?	c	-	52	39
	Rome	1023·1	45	N	1	b	1027·4	*	59	+13	N	1	bc	-	56	?
	Viesti	1025·3	54	-	0	0	1028·1	*	52	0	-	0	bc	-	57	52
	Brindisi	1022·6	57	NW	1	bc	1026·1	*	57	+5	N	1	r	-	51	44
	Cagliari	1017·9	54	N	2	b	1022·1	*	46	+8	NW	5	b	-	59	37
	Palermo	1018·5	54	N	2	b	1023·9	*	47	+2	-	0	f	-	59	46
	Tripoli						1016·2	*	?		ENE	1	c	-	*	48
	Algiers	1022·7	45	SSE	3	r	1020·8	+1	50	+5	NW	4	0	32	52	43
Sweden.	Hernösand	967·4	30	SSE	6	S	990·2	*	19	-13	N	6	b	*	*	*
	Stockholm	967·9	37	S	2	0	989·1	*	28	-6	NNW	6	0	*	*	*
	Wisby	969·5	43	SW	6	0	990·7	*	34	-2	NW	9	0	*	*	*

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F	°F			
Isafjord						
Reykjavik						
Vestmanna						
Seydisfjord						
Thorshavn	981·8	39	+3	W	4	r

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

29TH and 30TH NOV. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·39 / 7·41	11·41 / 11·42	3·43 / 3·43
Greenwich	7·42 / 7·44	11·48 / 11·49	3·54 / 3·54
Wick	8·35 / 8·37	12·0 / 12·1	3·26 / 3·25
Valencia	8·25 / 8·27	12·29 / 12·30	4·33 / 4·32

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‡ The barometric change is expressed in half-millibars.

THE MORNING OF THURSDAY, 29TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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.

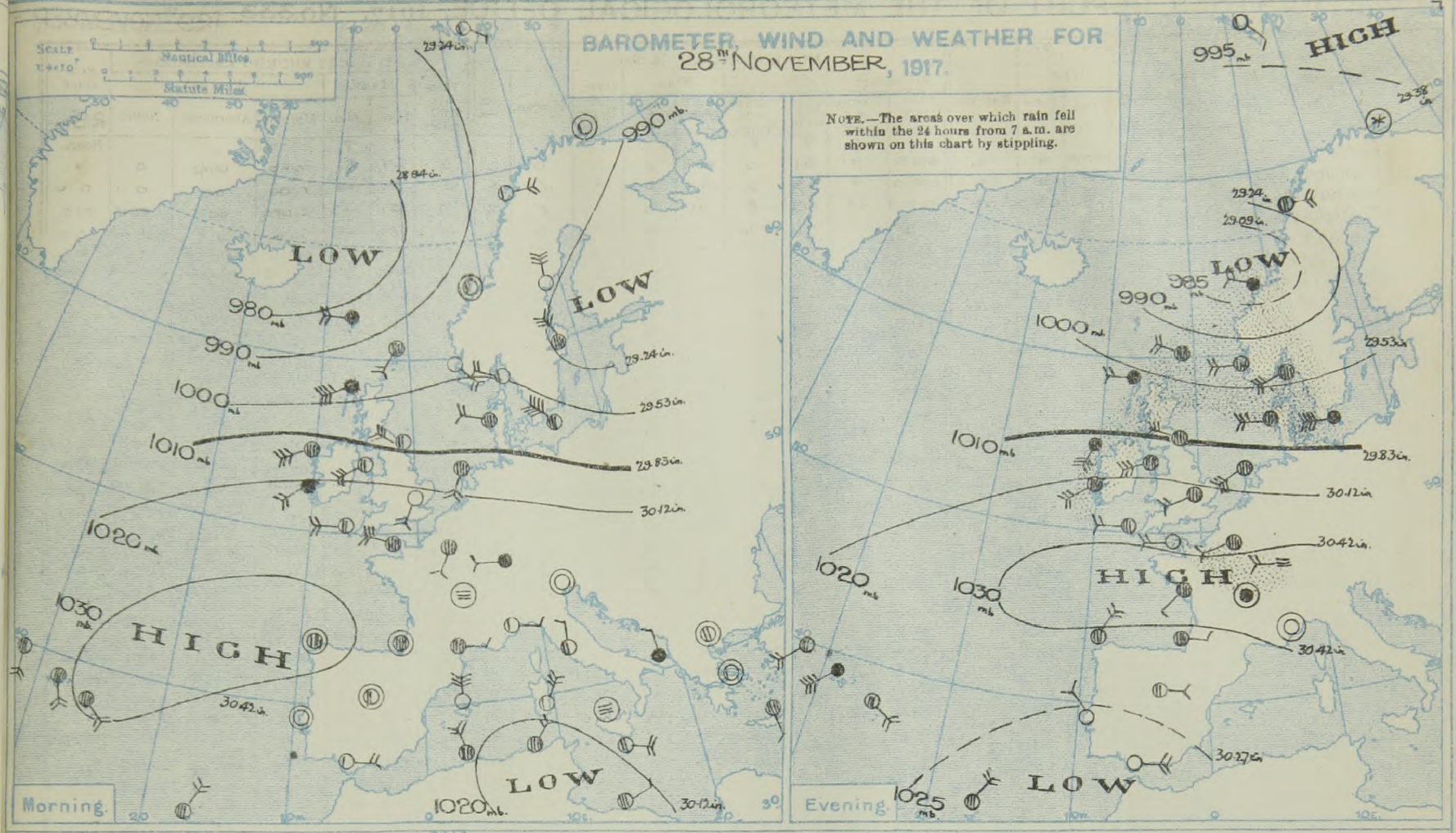
WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊼, thunderstorm.

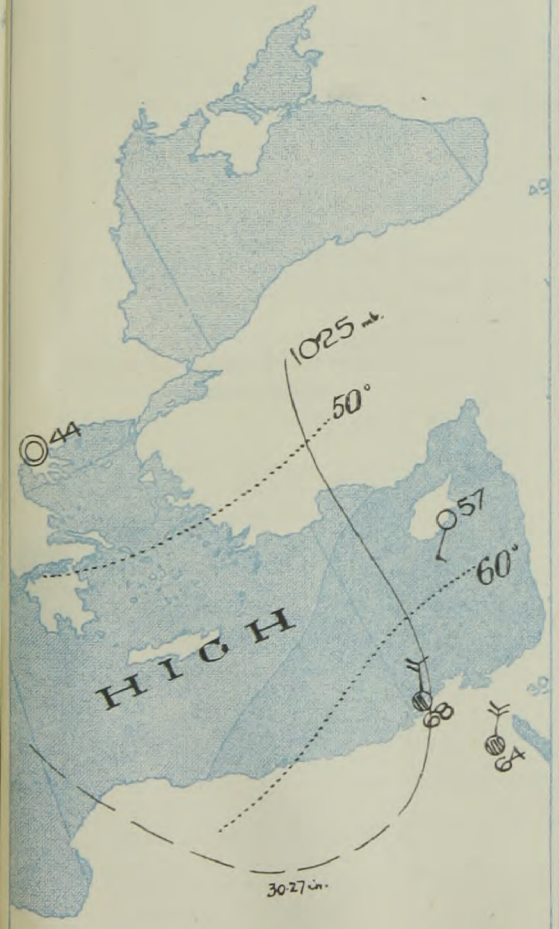
SEA DISTURBANCE.—Rough ~~. High ≈≈.

HIGH
LOW
HIGH
LOW
Barometer slowly rising generally

1000 mb 29.53 in.
995 mb 29.38 in.
990 mb 29.24 in.
985 mb 29.24 in.
995 mb 29.38 in.
1000 mb 29.53 in.
1005 mb 29.68 in.
1010 mb 29.83 in.
1015 mb 29.97 in.
30.12 in.
30.27 in.
30.42 in.
1030 mb 30.42 in.
30.27 in.
30.12 in.
1025 mb
1020 mb
1020 mb

Normal Temperature of the Sea.
Below 50° | 50°-60° | 60°-70° | Above 70°
Scale of Tints for NOVEMBER.





The Present Situation

The central space of the anticyclone, with the barometer above 1030 mb, now stretches across the Bay of Biscay and France. Yesterday's depression to the northward of the Farŏe has passed eastward and now lies across Scandinavia, with the barometer below 985 mb. Between the two systems there is still a considerable gradient for Westerly winds, which are fresh to high in force generally, a strong gale on the Western Baltic. Rain is falling at many of our own western and northern stations, and locally in southern Scandinavia. Snow is reported at the Farŏe. Within the anticyclone calms and light breezes prevail.

The General Outlook

Though the barometer shows an upward tendency in nearly all regions, a mild and damp S. SW. wind still holds over Ireland and Western England, and it exhibits no inclination to veer. Reports from the Azores indicate the existence of another disturbance between the Islands and the Banks. The unsettled Westerly type is therefore likely to continue for a time.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No.333. Thursday, 29TH NOVEMBER

	STATIONS.	EVENING OF ...28th.. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Force 0-12.	Weather.	MORNING OF ...29th.. 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.	24 HOURS ENDED 7 A.M. ...29th Rainfall. Millimetres.	Temp. Max.	Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for 28th
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	994·1	43	WNW	4	o	998·5	+3	39	-5	WNW	3	-	o	3	5	47	37	oinp	oinp	o	*
	Deerness (Orkney)	997·9	45	W	4	oe	1002·0	*	43	-3	NW	3	-	o	3	5	50	42	r.oe	oe	o	0·0
	Stornoway ...	1000·6	46	W	3	od	1005·5	+7	43	-8	W	3	-	c	3	7	51	43	c.orq	od	o.epd	0·0
	Castlebay (Barra Isd.)	1003·8	51	W	4	r	1009·2	+6	46	-6	N	2	-	o	3	10	53	46	o|pd	d.r	r.d.r.o	0·0
	Glasgow ...	1006·9	53	SW	6	orq	1007·8	+4	52	+1	SW	5	-	or	*	17	54	51	opdq	op.r	orq	0·0
	Eskdalemuir ...	1008·5	53	WNW	7	od	1010·3	+1	51	+1	SW	6	-	oinr	*	6	54	46	o.ond	od.o.od	o.oinr	0·0
	Malin Head ...	1006·9	53	WSW	8	oinq	1007·9	+3	52	+2	WSW	6	-	oindq	7	2	55	50	omq	ompq	oindq	0·0
	Blacksod Point	1012·3	51	SSW	6	omd	1012·5	+2	51	0	SSW	6	-	omd	5	3	51	50	omd	omd	fe.omr	*
	Valencia (Cahirciveen)	1021·8	54	SW	5	o	1021·2	+1	55	+3	SW	5	-	o		0·1	55	52	od	od	o	0·0
	Roche's Point	1022·6	52	W	3	opd	1022·7	*	52	0	WSW	4	-	r	4	0·3	55	51	od.o	opd.o	od	*
	Birr Castle ...	1018·0	54	W	2	o	1018·1	*	54	+1	WSW	2	-	o	*	0·2	55	52	od.c.od	o	o	0·0
	Donaghadee ...	1012·0	56	W	5	cinq	1011·9	0	55	+2	WSW	5	-	opdq	4	0·1	57	53	cinpq	cinq	cinpdq	*
	Liverpool (Bidston)	1017·6	51	W	4	o	1016·2	+4	54	+1	SW	4	SW	bcq	4	-	57	51	o	bc	beq	1·6
	Holyhead ...	1017·1	54	WSW	6	ogq	1017·7	0	52	0	SW	5	SW	c	4	-	55	51	bc.c	o.c	c.b.bc.c	0·1
	Pembroke (St. Ann's)	1022·6	52	SW	5	o	1023·8	+1	52	0	SW	4	-	o	5	0·1	53	51	cq.oq	oqe	oq.c.o	0·0
	Hartland Quay	1025·5	53	SW	5	o	1026·2	+1	52	0	SSW	5	-	od	4	0·2	53	51	oind	om.o	o.of.od	*
	Scilly (St. Mary's)	1027·5	51	W	3	c	1027·4	0	51	0	WSW	3	W	c	5	1·2	54	50	bc.b	c	c	7·4
	Falmouth ...	1026·8	51	WSW	5	bcq	1027·1	+1	51	+1	WSW	4	-	dim	*	Trace	56	49	ome.bc	b.bcq	bc.edm	4·4
	Jersey (St. Aubin)	1028·5	53	W	3	b	1029·1	*	53	+1	W	3	-	o	2	0·4	56	50	o.b	b.od.b	b.o	4·3
	Portland Bill ...	1024·5	53	W	4	c	1025·9	0	52	+2	W	5	W	c	4	-	54	50	bc	bc.c	bc.c	*
	Dungeness ...	1024·2	51	WSW	3	b	1026·2	+1	51	+2	WSW	5	SW	bc	4	-	55	44	c.b	b	bc	*
	Dover	*	*	*	*	*													*	*		
	Wick	999·8	46	WNW	1	o	1003·5	+5	44	-3	W	2	-	ompd	2	4	52	44	oinr.op	ompq	ompaq	*
	Nairn	1000·4	50	W	1	oru	1004·6	*	45	-6	W	1	-	cq	1	31	53	44	cdp	ed.o	oru	0·0
	Aberdeen ...	1001·0	56	WSW	4	o	1005·0	+5	47	-3	NNE	1	-	od	2	4	60	47	c.bc.b	bc.c.o	op.c	4·7
	Leith	1004·3	55	WSW	6	o	1005·6	+1	55	+2	WSW	6	W	c	5	1	57	53	odq.o	o.cdq.o	o.cdq.c	*
	Tynemouth ...	1009·8	57	WNW	5	oinq	1010·3	+1	58	+4	W	3	-	oinq	3	-	58	53	cq	omq	omq	*
	Spurn Head ...	1013·0	53	WSW	5	oq	1016·2	0	52	+2	WSW	5	-	bcq	5	Trace	55	49	cq	cq	beq	0·0
	Yarmouth (Gorleston)	1018·3	54	W	5	o	1019·6	+2	51	0	W	5	-	b	4	-	56	51	b.bq	bcq.o	bcq.b	4·5
	Clacton-on-Sea	1021·3	52	WSW	3	bcm	1023·8	+2	50	-2	W	3	W	bc	2	-	56	48	o.bc.cm	c.bcm	bcm.c	2·6
	Nottingham ...	1018·3	55	WSW	3	o	1019·4	*	53	+2	SW	4	SW	c	*	-	57	50	bc.c	c.o	o.c	2·7
	Benson (Oxon.) ...	1022·6	52	WSW	3	o	1024·1	+2	48	+2	SSW	4	-	c	*	-	54	45	o	o	o.c	*
	Sth Farnborough	1023·5	52	W	4	o	1025·9	+2	47	+1	WSW	2	NW	bc	*	-	55	45	b.o	o	o.bc	2·7
	Salisbury Plain	1023·9	50	W	4	c	1026·3	+1	46	-2	SW	2	-	c	*	-	52	43		c.bc	bc.c	*
	London (Kew Obsy.)	1023·1	54	WSW	3	o	1025·3	+2	50	0	WSW	3	NW	bc	*	Trace	56	49	b.o	o	o.bc	1·8
NORTHERN EUROPE.	Spitsbergen ...	997·4	-22	SSE	1	b	1001·1	+1	-18	+2	SE	1	*	b	*	*	-17	-27				
	Vardö	991·9	25	-	0	s	989·0	-1	28	+14	N	4	-	bc	3	*	25	14				
	Bodö	990·8	21	E	4	c	983·0	0	25	+9	E	2	-	o	2	-	21	12				
	Christiansund ...	983·4	41	WNW	3	r	983·8	-9	41	+9	W	4	-	o	5	7	41	30				
	Skudesnaes ..	997·1	43	W	4	o	998·6	+3	45	+4	WNW	7	-	r	5	6	46	41				
	Færder (X'tianiaFjord)	991·1	45	WSW	5	o	993·9	+1	45	+6	SW	6	-	o	3	4	45	37				
	The Scaw (Skagen)	994·6	48	WSW	5	o	998·6	-3	46	+7	SW	4	-	o	4	4	50	37				
	Blaavands Huk	1006·7	48	W	5	o	1007·9	0	50	+4	W	6	-	o	*	3	50	43				
	Copenhagen ...	1003·0	48	W	5	r	1006·0	+1	50	+9	W	5	-	r	*	7	50	41				
	Bornholm ...	1002·0	45	W	8	r	1005·9	+2	46	+3	W	9	-	f	2	4	46	39				
FRANCE, &c.	The Helder ...	1017·2	50	SW	6	o	1019·2	+1	50	0	SW	3	-	bc	4	-	52	50				
	C. Gris Nez ...												*									
	La Hève	1026·4	51	WSW	4	o	1029·0	*	49	0	WSW	4	*	c	4	-	54	46				
	Brest (St. Mathieu)	1030·6	51	W	3	o	1030·7	0	53	+3	W	2	*	c	2	-	52	50				
	Rochefort (Ile d'Aix)	1030·7	52	SW	1	o	1031·5	+1	48		NW	2	*	o	*	-	55	48				
	Biarritz	1029·8	54	E	1	o	1028·7	+1	?46	-6	E	3	*	bc	2	-	59	45				
	Paris	1028·8	50	WSW	1	o	1031·0	+1	48	-3	SSW	1	-	o	*	Trace	54	48				
	Belfort	1031·0	43	W	2	f	1033·6	*	42	+3	-	0	*	o	*	1	43	?				
	Lyons	1031·6	43	-	0	r	1033·0	*	43	+6	-	0	*	m	*	1	44	37				
	Nice	1030·6	43	-	0	b	?1026·0	0	42	+1	E	2	*	b	2	-	52	36				
	Perpignan ..														*							
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1029·9	57	NE	4	c	1028·2	0	45	-7	NW	1	-	b	1	-	57	41				
	Madrid	1027·0	34	E	2	bc	1027·4	0	43	+4	NE	2	-	b	*	-	54	41				
	Lisbon	1024·6	59	NW	2	b	1024·6	+1	50	+4	NNW	2	-	b	2	-	61	46				
	Azores (Horta) ...	1024·6	*	SW	7	r	1019·8	-2	61	0	SSW	8	*	c	4	2	66	61				
	Madeira	1021·8	64	NE	4	c	1021·5	0	63	+4	NE	4	-	o	4	-	68	59				
	Gibraltar	1024·0	56	E	4	b	1018·6	*	48	-1	NW	4	*	m	3	-	62	47				
	Malta	*	*	*	*	*																
	Limassol	*	*	*	*	*	1023·6	+1	57	+5	SW	1	-	b	0	-	72	48				
	Alexandria ...	1023·5	69	NE	2	bc	1025·4	+1	68	-2	NNE	3	N	c	2	-	78	64				
	Cairo (Helwan) ...	1021·4	66	NE	3	bc	1022·8	+2	64	0	NE	4	W	o	*	-	77	61				

GALES.
Duration and Extreme Force in British Isles.

ESKDALEMUIR
Gales: WSW 8, 13-15h (28th)
" ", 18-23h "
Extreme Gusts 25 m/s, evening.

GLASGOW
Squalls WSW 8, 8-11h (28th)

MALIN HEAD
Gale SW 8, 13-18h (28th)

SOUTHPORT
Gale from WSW 2-6h (29th)
Extreme Gusts 25 m/s.

LEITH
WSW 8, 8h (28th) - morning (29)

NOTE

LUNAR CORONA observed at LEITH 22-23h (28th).

LONDON 29TH NOVEMBER, 9h. G.M.T.	Humidity. 15 h. 28th.	Humidity. 9 h. 29th.	Sunshine for 28th.	24 Hours ended 9 h. ...29th.. Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	77	81	1·5	55	48	42	-	c.bc.	bc.o	od.ob
CITY (Bunhill Row)	*	*	0·2	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	80	82		56	49	42	-	bc.o	o	bcu
CAMDEN SQ. (British Rainfall) ..	78	83	0·1	53	48	44	-	o	o	*
S. KENSINGTON (Museum Grounds)	*	82	0·3	55	50	?	-	bc.c	c.bc	o.bc b

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during ..28th.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
130	4·5	19

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

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 Meteorological Office.

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,462. FRIDAY, 30TH NOVEMBER 1917. 7h. G.M.T.

NOTES OF THE WEATHER OF THE PAST 24 HOURS, BASED ON THE TELEGRAMS OF YESTERDAY EVENING AND THIS MORNING (p. 4).

A decided decline of temperature occurred over Northern Scotland, the maximum at Lerwick being only 39°. Over other regions the mildness continued, Colwyn Bay touching 60°. Snowfell at Lerwick, rain in the north and west, 35 mm. at Glasgow. Generally there was little or no sunshine, but Margate had 5½ hours.

BRITISH WEATHER RECORD, TEMPERATURE, SUNSHINE AND RAINFALL To 18h. 29TH NOVEMBER.

	STATIONS.	Rainfall Night. 18h-9h.	Rainfall Day. 9h-18h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for
		Mm.	Mm.	°F.	°F.			Hr.
Scotland, E.	Banff	16	Trace	46	42	c	c.o.r	0·0
	Montrose	-	2	48	45	o	o	0·0
	St. Andrews							
Eng. N.E.	Harrogate	12	18	53	51	or	or	0·0
	Skegness	-	-	57	49	bc	bc	5·1
England, E.	Felixstowe	-	-	54	48	bc	bc.o	3·7
	Southend-on-Sea	-	-	55	47	b.bc.c	c.o	4·6
England, S.E.	Margate	-	-	56	49	bc.b	b.bc.c	5·4
	Hastings	-	-	55	50	b.bc	c.o	3·3
	Eastbourne	-	-	54	51	bc.b	bc.o	3·2
	Seaford	*	*	53	50	bc	c.o	0·9
	Worthing	-	-	53	49	bc.o	o	0·5
	Littlehampton							
	Bournemouth	-	-	54	48	o	o	0·5
Scotland W.	Oban							
Eng. N.W.	Morecambe	-	-	52	50	*	*	0·0
	Southport	-	1	54	51	c.o	o.r.o	0·0
Midlands.	Malvern	-	-	56	50	bc	bc	6·0
	Ross-on-Wye	-	-	56	51	c.o.c	c.o	1·1
Wales.	Rhyl	-	-	57	53	c	c.bc.c	2·3
	Colwyn Bay	-	-	60	54	bc	bc	0·5
	Llandudno	*	*	57	54	c	c	0·3
	Aberystwyth	*	*	52	49	r.o.c	c.o	0·1
England, S.W.	Weymouth	*	*					
	Torquay	-	-	53	50	o	o	0·4
	Paignton	*	*	54	49	bc	bc	1·0
	Penzance	1	-	56	50	c	c	0·8
	Newquay	1	1	53	49	d.o	o.c	0·1
	Ilfracombe	Trace	Trace	54	49	o.cp	o	0·0

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 29TH NOVEMBER.

	STATIONS.	Evening of 28TH: Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0-12.	Weather.	Morning of 29TH: Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind Direc.	Wind Force 0-12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	985·6	23	SE	3	S	981·5	+2	21		SE	1	o	-	*	19
	Hangö	955·5	28	NNW	5	o	997·6	+1	25	-11	-	o	o	-	*	23
	Yuriev															
	Petrograd	984·3	30	NW	3	o	992·7		23	-7	NW	4	o	1	30	23
	Vijni Volotchok	978·1	30	-	o	S										
	Gorki	993·1	36	W	8	o	1001·7	*	28	-2	-	o	b	-	*	30
	Moscow	976·0	34	WSW	2	s	990·3		32	+2	WNW	3	s	7	*	30
	Kiev														*	
	Kharkov														*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1031·7	39	-	o	b	1033·9	*	37	+1	-	o	b	-	55	37
	Turin	1030·5	43	-	o	b	1036·2	*	38	+1	-	o		-	48	38
	Pesaro	1031·7	37	S	1	b	1033·8	*	41	+5	SW	1	o	-	48	36
	Leghorn	1029·4	48	-	o	b	1029·7	*	46		-	o	b	-	54	43
	Rome	1029·8	48	N	1	b	1031·1	*	41	-18	N	1	b	-	57	39
	Viesti	1031·3	52	-	o	b	1031·1	*	54	+2	-	o	o	-	57	54
	Brindisi	1029·3	50	-	o	b	1031·1	*	52	-5	SSW	1	b	-	55	54
	Cagliari	1021·9	52	NNE	5	b	1024·5	*	52	+7	ENE	8	o	-	61	50
	Palermo						1027·3	*	55	+8	-	o	o	-	66	43
	Tripoli						1022·9	*	52		S	1	c	1	72	51
	Algiers															
Sweden.	Hernösand						993·8	*	5	-14	SW	2	o	*	*	*
	Stockholm						994·3	*	30	+2	NW	2	o	*	*	*
	Wisby						999·1	*	43	+9	W	4	c	*	*	*

Morning of 29TH:

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind Direc.	Wind Force 0-12.	Weather.
		°F	°F			
Isafjord	1013·6	10		N	8	s
Reykjavik	1012·8	12		N	5	b
Vestmanna	1010·4	9		N	1	b
Seydisfjord	1001·2	16		N	8	s
Thorshavn	993·0	27	-12	NW	5	s

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

30TH and 1ST DEC. 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset G.M.T.
Yarmouth	7·41 / 7·42	11·42 / 11·42	3·43 / 3·43
Greenwich	7·44 / 7·45	11·49 / 11·49	3·54 / 3·54
Wick	8·37 / 8·38	12·1 / 12·1	3·25 / 3·25
Valencia	8·27 / 8·28	12·30 / 12·30	4·32 / 4·32

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‡ The barometric change is expressed in half-millibars.

THE MORNING OF FRIDAY, 30TH NOVEMBER, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST 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.

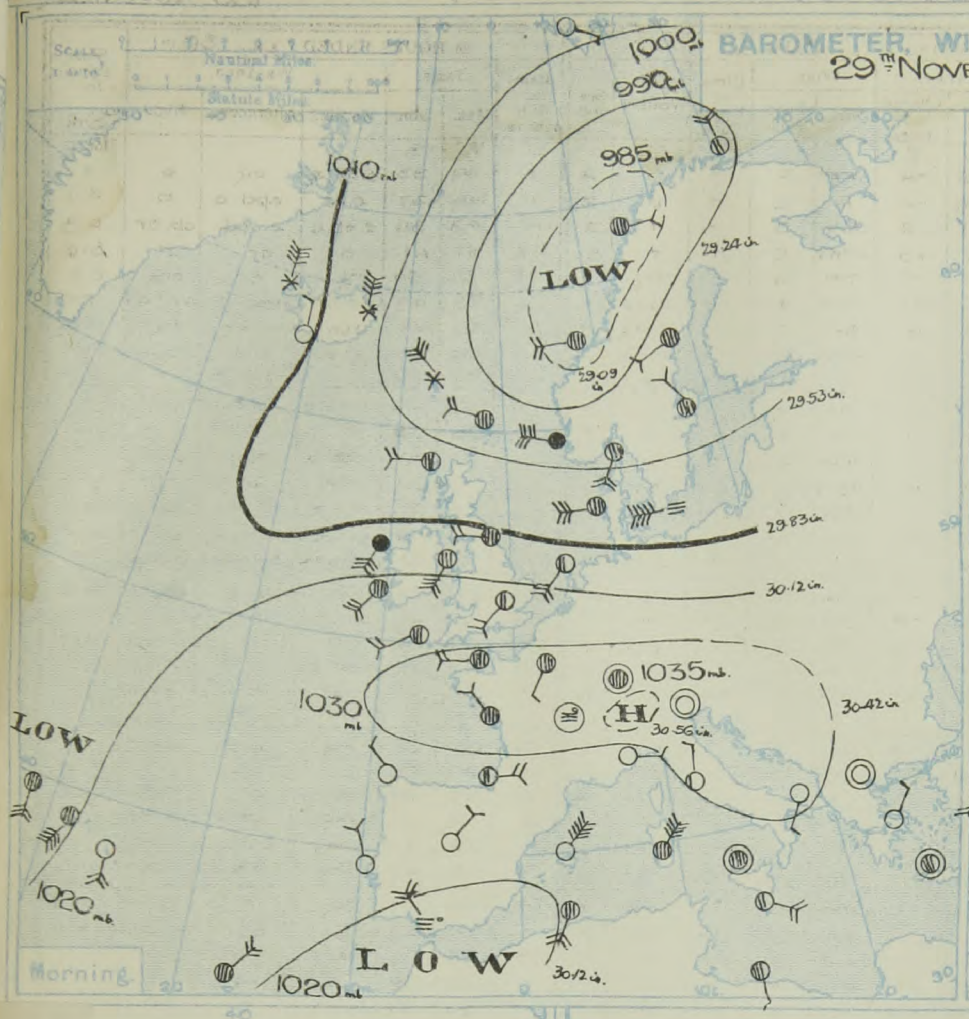
WEATHER.—Shown by the following symbols :—
◯ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ⦿ rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder.
⊼, thunderstorm.

SEA DISTURBANCE.—Rough ~~~ High ≈≈≈.

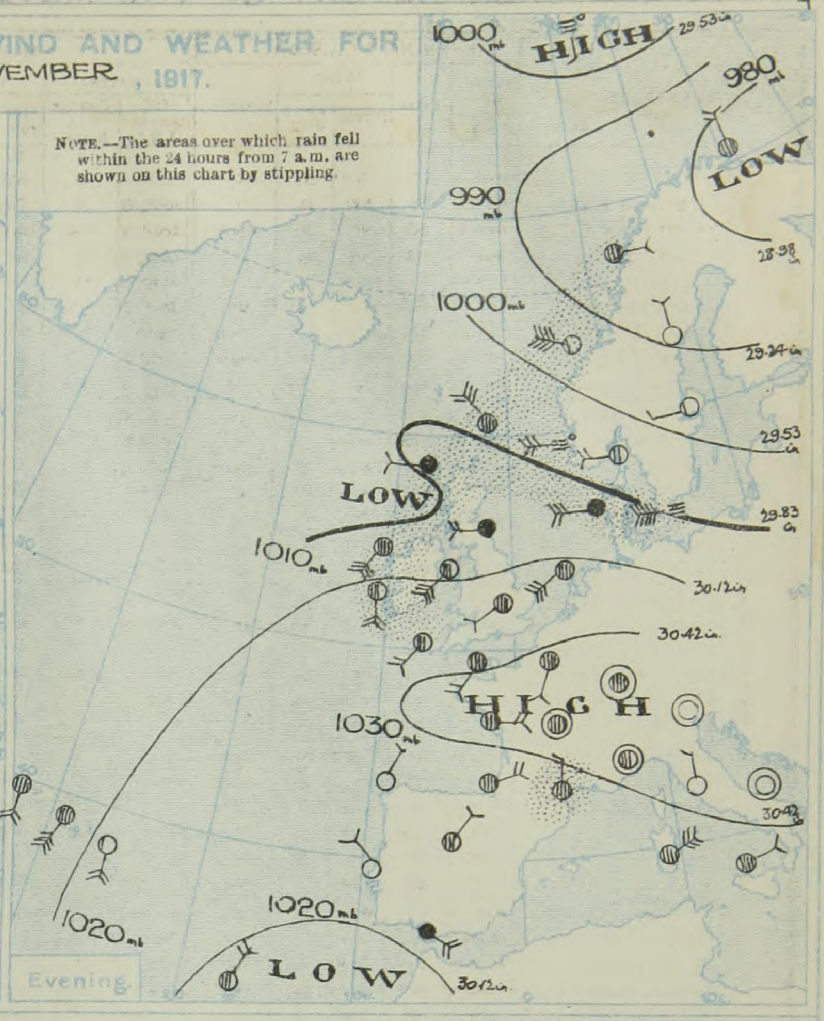
Scale 1 : 2 x 10⁶
Nautical Miles 0 1 2 3 4 5 600
Statute Miles 0 1 2 3 4 5 690

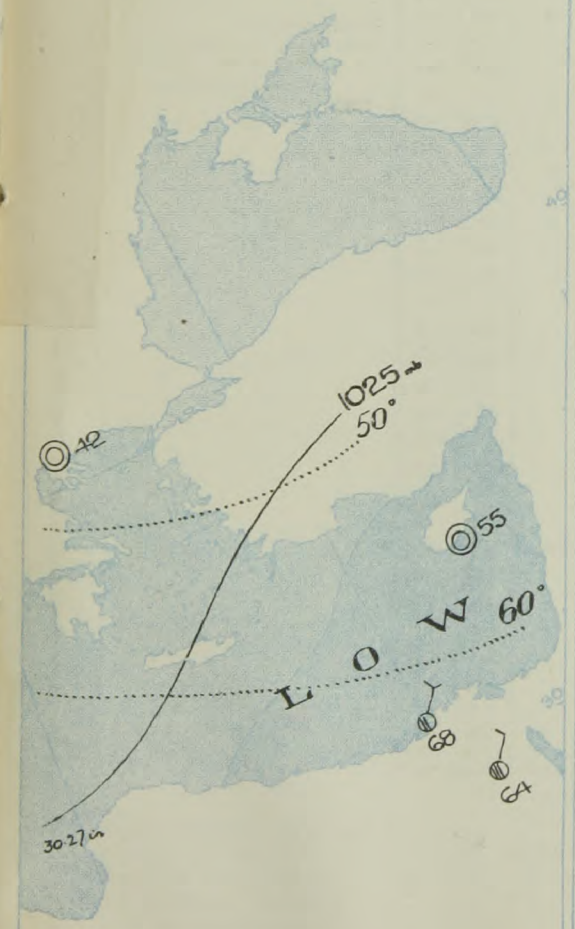
Normal Temperature of the Sea.
Below 50° | 50°-60° | 60°-70° | Above 70°
Scale of Tints for NOVEMBER.

BAROMETER, WIND AND WEATHER FOR 29TH NOVEMBER, 1917.



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





The Present Situation

The anticyclone now extends from the Bay of Biscay region across Southern Europe and the Mediterranean to the Black Sea and Egypt. A shallow depression has appeared over Scotland, and there are indications of another depression approaching our western coasts from the Atlantic. The northern depression of previous days has passed beyond Lapland. Calms and light variable breezes prevail in the anticyclonic system, but over the north-west quarter of Europe a moderate to strong or high wind from between SW. and NW. prevails, with rain at many of our western and northern stations and in Denmark, snow at Christiansund.

The General Outlook

There are indications of the existence of other depressions out on the Atlantic so that the mild unsettled SW. type is likely to hold for a time.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 334. [Friday, 30TH NOVEMBER

	STATIONS.	EVENING OF...29TH.. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF.....30TH..... 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.	24 HOURS ENDED 7 A.M....30TH. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 29TH.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1006·0	37	NW	5	oq	1009·4	0	35	-4	WNW	2	-	0	2	1	39	33	o.espq	oq	o	*
	Deerness (Orkney)	1008·8	38	NW	4	o	1009·8	*	39	-4	E	2	-	0	2	1	44	37	o.c	cpd.o	o	0·1
	Stornoway ...	1010·6	38	W	2	opd	1006·0	-4	41	-2	SSE	3	-	r	2	4	43	35	c.op.c	c.opd	op.or	0·3
	Castlebay (Barra Isd.)	1010·0	42	NE	4	r	1007·3	-1	51	+5	WSW	5	-	r	5	18	51	41	o	or	r	0·0
	Glasgow ...	1009·9	52	SSW	4	org	1010·6	-1	50	-2	SW	5	-	odg	*	35	53	50	org.op	or	org	0·1
	Eskdalemuir ...	1012·3	52	SW	5	or	1011·5	-3	49	-2	SW	8	-	omd	*	19	53	49	omr	omd.or	omr.od	0·0
	Malin Head ...	1007·6	52	WSW	6	omq	1009·7	0	52	6	SW	7	-	omrq	7	20	52	50	omrq	omrq	omrq	0·0
	Blacksod Point	1012·4	51	SSW	6	ome	1012·4	-3	51	0	SSW	7	-	omq	6	5	52	50	omr	omp	omgom	*
	Valencia (Cahirciveen)	1021·4	54	S	4	c	1019·8	-2	53	-2	S	4	-	o	?	0·2	58	52	o.c	c.bc.o	o	1·9
	Roche's Point	1023·0	52	SW	3	o	1022·5	*	50	-2	SW	3	-	r	3	1	54	50	ome.o	om.o	od	*
	Birr Castle ...	1018·6	55	SW	2	c	1018·8	*	53	-1	SW	2	-	o	*	1	56	52	od.c	c	c.o	0·0
	Donaghadee ...	1012·4	55	WSW	5	omrq	1012·5	+1	54	-1	WSW	5	-	oq	4	0·4	57	52	omp	ompq	ompq	*
	Liverpool (Bidston)	1019·1	52	SW	5	c	1018·7	-3	52	-2	WSW	4	SW	bcq	3	-	57	51	bc	bcq	bc	3·0
	Holyhead ...	1018·6	52	SW	6	cg	1018·9	-1	52	0	SW	5	SW	o	4	-	53	51	c.om	o.cm	bc.c.o	0·0
	Pembroke (St. Ann's)	1023·9	52	SW	5	o	1023·7	0	55	+3	SW	4	-	op	4	0·4	58	50	o.c.bc	bc.c.op	c.o.op	1·0
	Hartland Quay	1026·4	52	SW	6	o	1025·3	-1	51	-1	SW	5	-	omd	4	0·3	53	51	o.omd.o	o.c.omd	o.ompq	*
	Scilly (St. Mary's)	1027·8	51	SW	3	c	1026·5	-1	50	-1	WSW	2	SW	o	4	0·1	53	47	o	o.c	c.op.o	0·1
	Falmouth ...	1027·7	50	WSW	3	c	1026·2	-1	48	-3	SW	2	-	o	*	Trace	53	47	omd.c.o	o.c	c.o	0·3
	Jersey (St. Aubin)	1029·3	53	SW	3	o	1027·5	*	49	-4	WSW	3	-	omd	2	Trace	55	48	o	o	omd	0·0
	Portland Bill ...	1026·5	51	WSW	5	c	1025·1	-1	50	-2	WSW	4	-	c	4	-	53	49	bc.c	bc.c	o.c	*
	Dungeness ...	1026·4	51	WSW	4	c	1026·1	-1	51	0	WSW	4	SW	c	4	-	54	51	bc	bc.c	bc.c	*
	Dover	*	*	*	*	*											*		*			
	Wick	1010·2	39	-	0	omd	1009·7	-1	41	-3	SSE	2	-	omr	2	3	44	37	ompd	ompd	omgr	*
	Nairn	1009·8	43	-	0	odg	1008·5	*	38	-7	-	0	-	org	1	15	47	35	c	cdg	org	0·0
	Aberdeen ...	1010·9	44	NNE	1	r	1010·6	-2	40	-7	-	0	-	omd	2	12	49	38	omd.o	op	or.dm	0·0
	Leith	1008·0	55	W	1	o	1009·6	6	53	-2	WSW	3	-	r	3	3	56	53	c.odg.o	od.o	op.orq	*
	Tynemouth ...	1013·1	56	W	3	omd	1013·3	0	55	-3	W	4	-	omq	3	-	58	54	omg	omdg	omq	*
	Spurn Head ...	1018·6	55	WSW	5	cq	1017·4	-1	50	-2	WSW	4	-	oq	4	-	56	48	bcq	bcq	bcq	0·0
	Yarmouth (Gorleston)	1021·4	51	WSW	3	b	1020·3	0	47	-4	WSW	4	-	bc	3	-	56	47	cq	b	bq.bc	4·8
	Clacton-on-Sea	1021·7	52	SW	3	o	1023·5	0	47	-3	WSW	3	NW	bc	2	-	54	46	bc	bc.og	og.bc.b	3·8
	Nottingham ...	1020·8	54	SW	3	o	1020·5	*	52	-1	SW	3	SW	c	*	-	58	50	o.c	c.o	o.c	2·9
	Benson (Oxon.) ...	1025·0	48	WSW	2	b	1023·6	+1	49	+1	SW	3	-	o	*	-	54	48	o	bc	o	*
	Sth Farnborough	1026·0	50	SW	3	o	1025·0	?	49	+2	WSW	3	-	o	*	-	54	47	bc.c.bc.o	o	o.bc.oc.o	1·7
	Salisbury Plain	1026·3	50	WSW	?	c	1025·1	-1	49	+3	WSW	3	-	o	*	-	52	46		o	c.bc.c	*
	London (Kew Obsy.)	1025·6	53	SW	2	o	1024·7	-0	50	0	SW	2	-	o	*	-	54	49	bc.c.o	o	o.b.c.o	1·4
NORTHERN EUROPE.	Spitsbergen ...	1002·0	-15	S	1	m	1008·1	+2	-9	+9	S	1	*	b	*	*	-9	-27				
	Vardö	978·3	27	N	3	o	985·9	0	27	-1	N	S	-	s	3	*	28	14				
	Bodö	982·3	23	E	2	o	994·7	+5	18	-7	E	2	-	b	1	7	23	18				
	Christiansund ...	993·8	32	WNW	8	b	1000·4	+7	37	-4	WSW	5	-	s	4	8	41	27				
	Skudesnaes ..	1003·6	39	W	5	m	1010·4	+3	37	-8	W	4	-	o	4	1	43	36				
	Færder (Christiania Fjord)	1001·0	43	WSW	6	bc	1006·8	+5	39	-6	W	4	-	bc	3	-	46	39				
	The Scaw (Skagen)	1003·0	46	W	3	bc	1008·0	+4	41	-5	NW	4	-	bc	4	-	46	41				
	Blaavands Huk	1012·3	48	W	5	r	1012·0	+2	45	-5	NNE	1	-	o	*	1	50	45				
	Copenhagen ...	1009·5	52	W	3	o	1010·8	+3	43	-7	NNW	2	-	r	*	13	52	43				
	Bornholm ...	1008·2	46	W	9	f	1009·8	+3	43	-3	WNW	4	-	r	1	8	46	43				
FRANCE, &c.	The Helder ...	1021·2	50	SW	6	c	1020·6	0	50	0	SW	5	W	bc	4	-	52	50				
	C. Gris Nez ...	1026·7	51	SW	5	o	1025·5	0	51		WSW	5	*	o	4	-	55	43				
	La Hève	1027·9	50	WSW	4	o	1027·8	*	48	-1	WSW	3	*	o	3	-	50	45				
	Brest (St. Mathieu)	1030·6	51	WNW	2	o	1028·3	-1	50	-3	-	0	*	o	2	-	54	50				
	Rochefort (Ile d'Aix)												*		*							
	Biarritz	1027·8	48	ENE	3	o	1024·4	-4	46	0	ESE	1	*	b	2	-	55	43				
	Paris	1031·2	46	SSW	1	o	1029·9	0	43	-3	S	1	-	o	*	-	50	43				
	Belfort	1032·8	42	-	0	o	1031·8	*	36	-6	-	0	*	m	*	-	44	36				
	Lyons	1032·2	44	-	0	o	1030·7	*	39	-4	-	0	*	o	*	-	47	39				
	Nice	1030·6	50	-	0	c	1028·3	0	54	+12	E	2	*	c	4	-	59	49				
	Perpignan ..	1029·4	48	N	1	o	1024·8	-1	48		W	2	-	r	*	10	55	45				
	Sanguinaire ...							*					*									
SOUTHERN STATIONS.	Corunna	1024·7	55	NNE	1	b	1023·1	-1	45	0	SW	1	-	b	2	-	57	41				
	Madrid	1022·8	54	NNE	2	c	1023·6	+1	43	0	NE	1	-	bc	*	Trace	55	43				
	Lisbon	1021·5	61	NNW	5	b	1021·6	+1	48	-2	NW	2	-	b	2	-	63	48				
	Azores (Horta) ...	1016·8	*	SSW	7	o	1015·4	+1	59	-2	SW	3	*	r	2	29	66	59				
	Madeira	1019·2	64	NE	3	c	1020·4	0	61	-2	ESE	2	-	o	2	-	68	61				
	Gibraltar	1021·0	53	SE	4	r	1021·0	*	54	+6	SE	3	*	b	3	4	61	47				
	Malta	*	*	*	*	*	1028·6	+3	64		SE	2	-	o	2	-	66	63				
	Limassol	*	*	*	*	*	1022·8	-1	58	-2	-	0	-	b	0	-	75	54				
	Alexandria ...	1021·4	66	NE	1	c	1023·6	0	68	0	NE	2	E	bc	1	-	75	64				
	Cairo (Helwan) ...	1022·4	64	NNE	3	bc	1021·5	+1	64	0	NE	1	NW	c	*	-	73	59				

GALES.

Duration and Extreme Force in British Isles.

ESKDALEMUIR
Gust 21 m/s, morning (29th)
" 23 m/s, night (29th)

LONDON 30TH NOVEMBER, 9h. G.M.T.	Humidity. 15 h. 29TH.	Humidity. 9 h. 30TH.	Sunshine for 29TH.	24 Hours ended 9 h....30TH. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	77	85	2·9	56	49	43	-	b	o	c.o
CITY (Bunhill Row)	*	*	2·3	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	79	86	2·0	58	50	42	-	bc.o	m	bc
CAMDEN SQ. (British Rainfall) ..	78	86	2·9	59	49	45	-	bc	o	*
S. KENSINGTON (Museum Grounds)	*	83	2·3	58	50	?	-	b.c	o	o.b.o

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 29TH.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
180	5·9	19·5

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

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 Meteorological Office.

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