5381

M.O. Form 2610

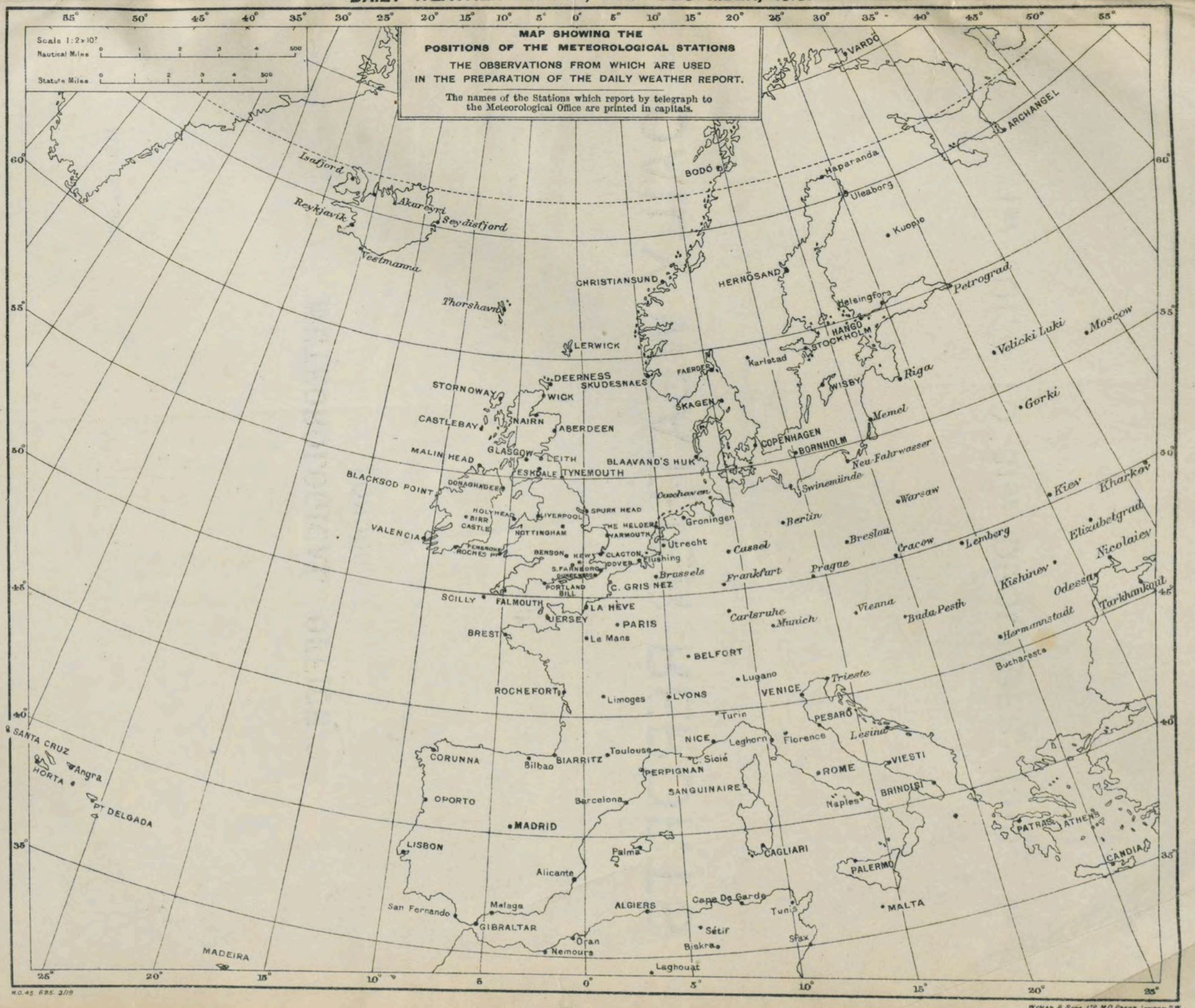
METEOROLOGICAL OFFICE,

LONDON.

DAILY WEATHER REPORTS

1st JULY TO 31st DECEMBER, 1918.

DAILY WEATHER REPORT, JULY–DECEMBER, 1918.



M.O. 45. 695. 3/19

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DAILY WEATHER REPORT. APPENDIX I.

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

THIRD QUARTER, JULY TO SEPTEMBER.

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

	STATIONS.	PRESSURE 1906–1915.	AIR TEMPERATURE. Means of			Absolute Extremes. 1881–1915.				RAINFALL 1881–1915.			BRIGHT SUNSHINE. 1881–1915.	
			1906–1915.	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.	%
JULY.	Lerwick	1012·5	51·7	57·0	48·2	70	1897, 1911	37	1888	17	58	2·29	—	—
	Stornoway	1013·1	53·5	60·2	48·9	76	1894	32	1888	21	77	3·03	4·68	27
	Castlebay (Barra Isd.)	[1013·2]§	[54·4]§	[58·7]§	[51·6]§	[73]§	[1914]§	[44]§	[1913]§	[18]§	[69]§	[2·70]§	[5·42]§	[32]§
	Eskdalemuir	[1014·8]¶	[53·8]¶	[62·8]‖	[46·9]‖	[83]‖	[1911]‖	[34]‖	[1914]‖	[16]‖	[90]‖	[3·56]‖	[5·10]‖	[31]‖
	Malin Head	1013·4	54·5	[60·6]*	[52·3]*	[79]*	[1911]*	[42]*	[1888, 1902]*	[19]*	[72]*	[2·84]*	—	—
	Blacksod Point	1014·8	56·1	[62·2]*	[53·2]*	[80]*	[1894]*	[42]*	[1898]*	[21]*	[80]*	13·15]*	—	—
	Valencia	1016·3	56·9	63·8	53·8	81	1911	40	1907	21·	96	3·78	5·13	32
	Roche's Point	1016·5	56·6	64·7	53·7	76	1887, 1912	43	1907	15	73	2·88	—	—
	Birr Castle	1015·4	55·2	66·3	51·3	86	1911	37	1889	17	75	2·95	4·65	29
	Donaghadee	1014·6	54·5	63·2	51·8	80	1887	40	1883, 1902	17	71	2·80	—	—
	Liverpool (Observatory)	1015·1	56·6	65·7	54·2	88	1901	45	1888, 1907, 13	15	66	2·59	[6·03]§	[37]§
	Holyhead	1015·1	56·9	63·3	53·6	85	1901	43	1888	16	66	2·61*	[5·87]**	[36]**
	Pembroke (St. Ann's Hd.)	1015·7	56·4	62·3	54·5	82	1911	43	1910	14	63	2·47	6·68	42
	Scilly (St. Mary's)	1016·7	57·9	64·8	56·2	78	1911	47	1910	15	56	2·22	6·97	45
	Falmouth	1017·0	58·6	65·8	55·1	80	1885	46	1897	15	72	2·84	7·26	46
	Jersey (St. Aubin's)	1017·4	60·2	68·3	56·4	87	1900, 1901	44	1907, 1909	13	53	2·10	7·94	51
	Portland Bill	1016·2	58·5	64·5	55·8	[79]†	[1901, 1912]†	[49]†	[1900, 1907]†	11	44	1·74	—	—
	Dungeness	1015·6	59·1	66·6	55·1	82	1900	40	1890	12	46	1·81	—	—
	Dover	[1015·5]§	[59·7]§	[66·7]§	[53·8]§	[87]§	[1911]§	[44]§	[1913]§	[14]§	[56]§	[2·19]§	[6·77]§	[43]§
	Wick	1012·9	52·6	60·6	48·4	80	1899, 1901	30	1886	18	67	2·63	—	—
	Nairn	1013·0	53·8	64·3	49·1	85	1901	36	1906	18	68	2·68	[4·52]‡	[27]‡
	Aberdeen	1013·5	55·1	62·8	50·3	83	1885	38	1898, 1903	17	71	2·81	5·13	30
	Leith	1013·7	55·8	65·8	51·4	83	1901	41	1887, 88, 92, 1903	16	65	2·55	—	—
	Tynemouth	1014·2	55·8	64·2	51·3	82	1911	39	1909	14	61	2·40	—	—
	Spurn Head	1014·4	57·4	65·0	54·3	86	1911	44	1888	12	45	1·78	[5·10]**	[31]**
	Yarmouth	1014·8	58·1	66·2	54·7	87	1881	42	1890	13	59	2·34	[6·45]§	[40]§
	Clacton-on-Sea	1015·5	58·8	67·7	54·7	[83]‡	[1911]‡	[40]‡	[1902]‡	11	49	1·92	7·00	44
	Nottingham	1015·2	57·6	69·7	52·2	92	1881	37	1888	15	61	2·38	5·71	35
	LONDON (Kew Obsy.)	1016·1	58·5	71·0	54·3	90	1881	43	1882, 1884	12	55	2·17	6·48	41
AUGUST.	Lerwick	1010·4	52·4	57·1	48·4	82	1910	38	1885, 95, 1909	20	76	3·01	—	—
	Stornoway	1011·4	53·3	60·0	49·0	75	1897, 1899	33	1888	22	101	3·97	4·29	28
	Castlebay (Barra Isd.)	[1012·1]§	[55·0]§	[59·3]§	[52·2]§	[75]§	[1911]§	[44]§	[1912]§	[18]§	[83]§	[3·27]§	[4·65]§	[31]§
	Eskdalemuir	[1014·0]¶	[51·8]¶	[61·8]‖	[46·5]‖	[79]‖	[1914]‖	[31]‖	[1912]‖	[18]‖	[122]‖	[4·79]‖	[4·19]‖	[29]‖
	Malin Head	1011·8	55·0	[61·0]*	[52·8]*	[80]*	[1900]*	[42]*	[1912]*	[21]*	[90]*	[3·52]*	—	—
	Blacksod Point	1013·0	56·6	[62·1]*	[53·4]*	[78]*	[1899, 1911]*	[42]*	[1887, 88, 1912]*	[22]*	[116]*	[4·58]*	—	—
	Valencia	1014·9	57·1	63·9	53·9	81	1899	42	1890, 1912	22	122	4·79	5·00	35
	Roche's Point	1015·3	56·8	64·5	53·7	78	1887	41	1912	18	96	3·78	—	—
	Birr Castle	1014·1	54·7	65·4	50·8	83	1911	35	1885, 1887	19	97	3·81	4·58	32
	Donaghadee	1013·2	54·5	63·1	51·9	78	1899	38	1886	19	84	3·32	—	—
	Liverpool (Observatory)	1014·0	56·7	65·0	53·9	87	1911	44	1885	17	78	3·08	[5·58]§	[38]§
	Holyhead	1014·0	57·5	63·4	54·0	86	1914	45	1888	17	81	3·18	[6·06]**	[42]**
	Pembroke (St. Ann's Hd.)	1014·8	57·4	62·8	55·1	82	1911	46	1912	16	80	3·15	6·16	43
	Scilly (St. Mary's)	1015·8	58·7	65·0	56·6	76	1911	48	1912	16	67	2·62	7·10	50
	Falmouth	1016·3	58·4	65·4	55·1	77	1909	44	1890	16	83	3·25	6·81	48
	Jersey (St. Aubin's)	1017·0	59·6	68·8	57·1	89	1893	45	1890, 1909	14	62	2·44	7·74	54
	Portland Bill	1015·6	59·6	65·2	56·5	[83]†	[1911]†	[47]†	[1912]†	12	54	2·12	—	—
	Dungeness	1015·4	59·7	67·3	55·5	82	1904	39	1890	13	50	1·98	—	—
	Dover	[1015·6]§	[59·9]§	[67·1]§	[54·2]§	[89]§	[1911]§	[44]§	[1913]§	[14]§	[58]§	[2·27]§	[6·87]§	[48]§
	Wick	1011·2	52·6	60·6	48·2	85	1893	30	1886	21	70	2·75	—	—
	Nairn	1011·4	53·2	63·7	48·7	86	1899	33	1885, 91, 1904	19	61	2·41	[4·13]‡	[28]‡
	Aberdeen	1012·2	54·5	62·4	49·9	81	1882, 99, 1906	33	1885	18	70	2·74	4·84	32
	Leith	1012·4	55·5	65·4	51·2	85	1893, 1906	38	1881, 1892	17	75	2·94	—	—
	Tynemouth	1013·2	55·5	64·2	51·1	83	1893	38	1912	16	70	2·75	—	—
	Spurn Head	1013·8	57·7	65·1	54·4	87	1893	45	1909	14	54	2·11	[5·55]**	[38]**
	Yarmouth	1014·7	58·1	66·3	54·2	85	1893	41	1902	14	63	2·47	[6·29]§	[44]§
	Clacton-on-Sea	1015·3	59·1	67·5	54·9	[85]‡	[1911]‡	[43]‡	[1908, 1915]‡	14	47	1·86	6·87	48
	Nottingham	1014·5	55·8	68·4	51·2	94	1911	37	1908	16	63	2·49	5·42	37
	LONDON (Kew Obsy.)	1015·8	58·0	69·7	53·5	94	1911	41	1890	13	57	2·24	6·03	42
SEPTEMBER.	Lerwick	1015·5	49·7	54·6	46·5	69	1898	34	1887, 1888	20	76	3·01	—	—
	Stornoway	1016·5	50·4	57·7	46·2	77	1906	32	1885, 1904	21	100	3·95	3·83	30
	Castlebay (Barra Isd.)	[1016·5]§	[52·8]§	[56·9]§	[50·2]§	[68]§	[1914]§	[39]§	[1915]§	[16]§	[70]§	[2·75]§	[4·00]§	[32]§
	Eskdalemuir	[1017·9]¶	[46·3]¶	[58·1]‖	[41·6]‖	[71]‖	[1914]‖	[27]‖	[1910, 11, 14, 15]‖	[12]‖	[60]‖	[2·36]‖	[4·27]‖	[34]‖
	Malin Head	1016·9	52·9	[58·9]*	[50·6]*	[84]*	[1906]*	[38]*	[1886]*	[17]*	[67]*	[2·62]*	—	—
	Blacksod Point	1017·6	54·6	[60·1]*	[51·1]*	[78]*	[1898]*	[39]*	[1899]*	[19]*	[99]*	[3·88]*	—	—
	Valencia	1018·4	54·1	61·8	51·3	79	1898, 1906	35	1899	18	105	4·14	4·43	36
	Roche's Point	1019·1	54·6	61·8	51·4	73	1895, 1906, 11, 13	39 *	1893	16	75	2·97	—	—
	Birr Castle	1018·5	50·9	62·1	47·0	80	1906	29	1899	15	58	2·29	4·20	34
	Donaghadee	1018·3	52·2	60·3	49·4	75	1906	36	1882, 94, 99, 1909	16	61	2·39	—	—
	Liverpool (Observatory)	1018·9	52·6	61·4	50·7	87	1906	39	1885, 1914, 15	15	61	2·41	[4·47]§	[36]§
	Holyhead	1018·5	54·9	61·0	51·8	77	1898	41	1912	15	68	2·68	[5·60]**	[45]**
	Pembroke (St. Ann's Hd.)	1018·6	54·7	60·8	52·8	74	1895	40	1885	14	69	2·73	5·00	40
	Scilly (St. Mary's)	1018·5	56·6	62·5	54·7	74	1911	44	1885, 88, 1912	15	62	2·45	5·60	45
	Falmouth	1019·3	55·1	62·1	52·7	75	1906	36	1885	15	74	2·91	5·43	44
	Jersey (St. Aubin's)	1019·3	57·7	66·0	54·6	89	1906, 1911	41	1891	14	61	2·41	6·20	50
	Portland Bill	1018·7	56·8	62·9	54·1	[75]†	[1911]†	[42]†	[1915]†	12	48	1·88	—	—
	Dungeness	1018·4	55·5	64·3	52·0	81	1906	32	1885	13	52	2·05	—	—
	Dover	[1018·5]§	[55·4]§	[63·8]§	[50·9]§	[87]§	[1911]§	[38]§	[1915]§	[12]§	[50]§	[1·96]§	[6·33]§	[51]§
	Wick	1016·2	50·1	57·8	45·9	78	1898	29	1885, 87, 1907	19	64	2·50	—	—
	Nairn	1016·7	48·9	60·4	44·9	84	1906	25	1892	17	56	2·20	[3·87]‡	[31]‡
	Aberdeen	1017·5	50·6	59·2	46·7	82	1906	30	1887	17	56	2·22	4·13	33
	Leith	1017·8	51·2	61·8	47·6	83	1898	33	1886, 1905	13	45	1·76	—	—
	Tynemouth	1018·3	51·2	60·7	47·8	88	1906	34	1885, 89, 93, 1907	13	46	1·80	—	—
	Spurn Head	1018·2	54·3	61·4	51·7	79	1899	38	1892, 1909	12	36	1·42	[5·83]**	[47]**
	Yarmouth	1018·4	54·7	62·5	51·5	80	1911	33	1885	13	50	1·96	[5·23]§	[42]§
	Clacton-on-Sea	1018·8	55·2	63·3	51·6	[79]‡	[1906]‡	[38]‡	[1904, 1915]‡	9	42	1·64	5·87	47
	Nottingham	1019·0	50·7	64·0	47·4	94	1906	30	1887	14	42	1·65	4·20	34
	LONDON (Kew Obsy.)	1019·4	52·3	64·9	49·3	92	1906	33	1887	12	48	1·87	4·83	39

* 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.

‡ The barometric change is expressed in tenths of millibars.

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

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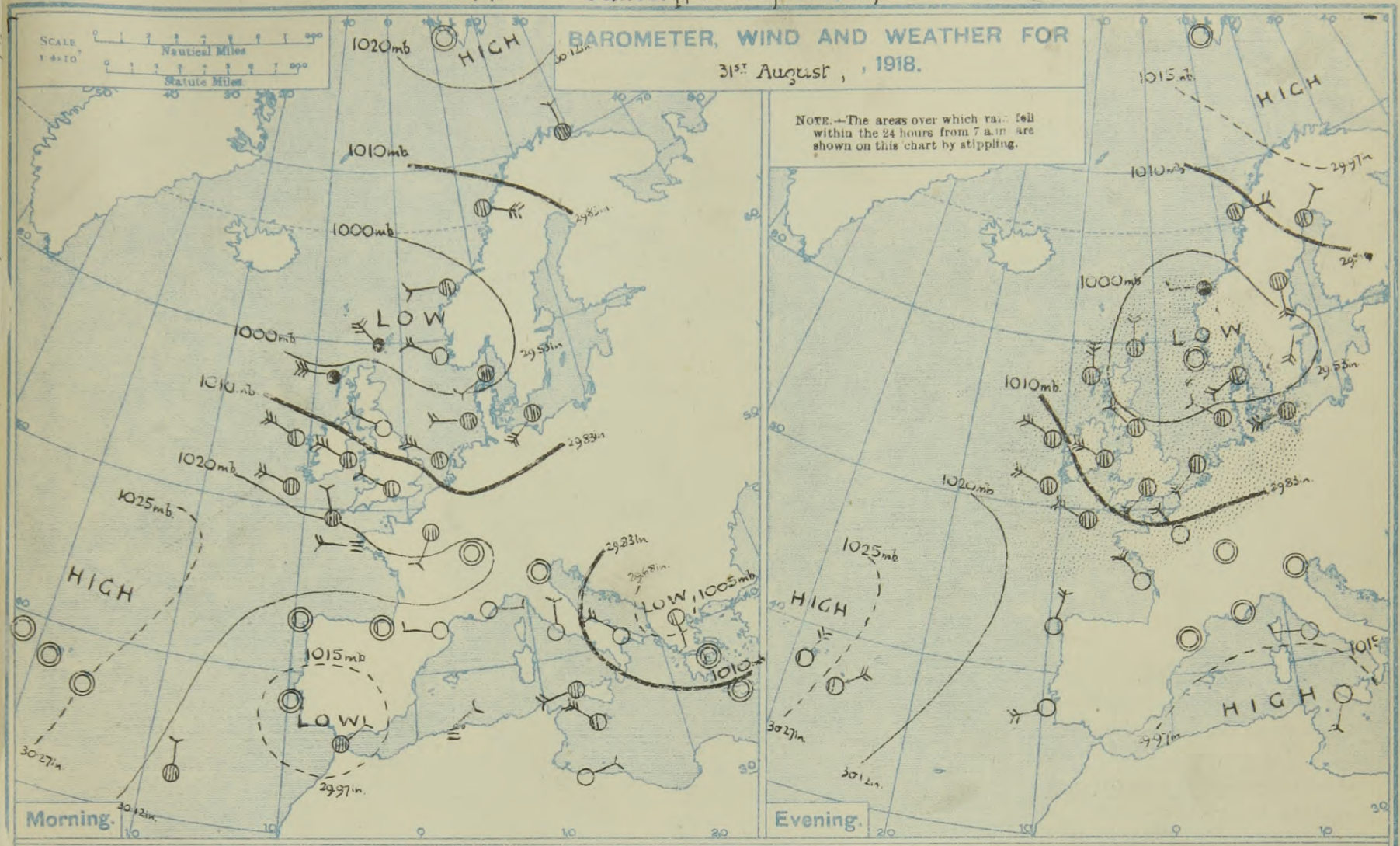
METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 2737. Sunday, 1st September, 1918.

BAROMETER, WIND AND WEATHER FOR 31st August, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 31st August

	Stations	Evening of 30th: Barom. Millibars at M.S.L.	Temp. °F.	Wind: Direc.	Wind: Force 0–12.	Weather.	Morning of 31st: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. °F. Dry Bulb.	Temp. °F. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. °F. Max.	Temp. °F. Min
Russia	Archangel ...														※	
	Petrograd ...															
	Moscow														※	
Sweden.	Hernösand ...	1010·6	52	E	2	0		※						※	※	※
	Stockholm ...	1011·6	59	S	2	0		※						※	※	※
	Wisby	1012·7	59	SW	8	b		※						※	※	※
Italy.	Venice	1011·9	64	-	0	b	1013·8	※	64	?	-	0	b	Trace	68	57
	Turin	1012·7	70	-	0	b	1015·0	※	59	0	-	0	b	-	81	55
	Pesaro	1011·4	66	NNE	6	0	1014·6	※	68	0	-	0	b	17	81	57
	Leghorn ...						1014·6	※	64	-6	-	0	b	1	75	57
	Rome	?	63	NW	2	b	1014·3	※	66	+7	N	2	b	Trace	77	61
	Viesti	1006·2	66	ESE	5	c	1009·8	※	68	?	N	4	c	5	79	57
	Brindisi	1007·7	77	SE	2	b	1009·9	※	68	+7	NW	3	b	4	84	64
	Cagliari							※								
	Palermo						1014·5	※	72	+2	WSW	3	c	-	90	70
	Tripoli						1017·8	※	79	+2	ENE	2	b	-	84	73

Morning of 31st

Iceland.	Barom. Millibars at M.S.L.	Temp. °F. Dry Bulb.	Temp. °F. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
Isafjord ...						
Reykjavik						
Vestmanna						
Seydisfjord						
Thorshavn						

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

1st and 2nd Sept. 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·5	11·53	6·41
	5·7	11·53	6·39
Greenwich	5·14	12·0	6·46
	5·16	12·0	6·44
Wick	5·13	12·12	7·11
	5·15	12·12	7·9
Valencia	5·54	12·41	7·28
	5·56	12·41	7·26

LONDON — 1st Sept. ..... 9h. G.M.T.

	Humidity. 15 h. 31st %	Humidity. 9 h. 1st %	Sunshine for 31st Hours.	24 Hours ended 9 h. 1st Sept. Temperature. Max. °F.	Min. °F.	Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)	58	63	5·2	67	47	39	2	c.o.c	bc	c.y.c
CITY (Bunhill Row)	※	※	5·8	※	※	※	※	※	※	※
WESTMINSTER (St. James's Park)	59	62	5·5	65	47	43	2	bc	bc. o	bc
„ (Roof near Charing Cross) ..	58	62	5·1	65	49	※	2	o·c	c	※
CAMDEN SQ. (British Rainfall)	55	67	9·4	67	46	+2	2	bc	bc	※
KENSINGTON PALACE	62	70	5·7	64	47	39	2	b	bc. o	※

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

SOUTH KENSINGTON (M.O.)

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

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1210	24·8	71

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‡ The barometric change is expressed in half-millibars.

1st SEPT., at 1h. G.M.T.

THE MORNING OF Sunday, 1st SEPTEMBER 1918, at 7h. G.M.T.

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 ≈≈.

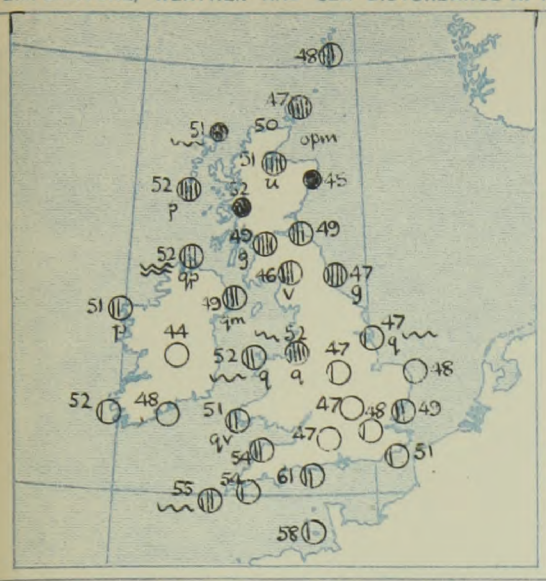
Normal Temperature of the Sea.

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

Scale of Tints for SEPTEMBER.

SCALE 1 : 2 x 10⁷
Nautical Miles
Statute Miles

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

Notes on the Weather of the 24 hours ended 7h. Today

Heavy rain fell in the north of Scotland, 29 mm. at Deerness, 30 mm. at Aberdeen and 42° at Wick. Over the rest of the country weather was showery, particularly at night, but the measurements did not exceed a few millimetres. Temperature rose to 69° at Dungeness, and 68° at Benson, but at the majority of stations did not exceed 65°, or 55° in Scotland. Sunshine was variable, ranging up to 8 hours at Glasgow, and 9 hours at Spurn Head.

The Conditions at 7h. Today

A depression lies over the Northern North Sea, and pressure has given way considerably in the anticyclone off our south-west coasts, which has receded to the neighbourhood of the Azores. Winds over the British Isles have become fresher, strong from NW. and from W. over the Southern North Sea. Over France they remain light. There is much cloud and a good deal of rain in Scotland, but southward the weather improves, and there is little cloud in the south of England. Good visibility is reported from several stations. The Mediterranean depression which was noticed two days ago over North Italy continues to pass slowly south eastwards, and is now over Asia Minor. An anticyclone of no great intensity occupies the Western Mediterranean.

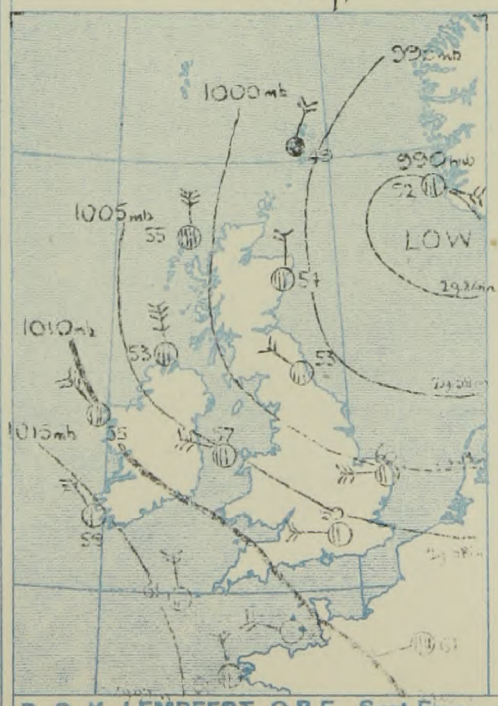
The Outlook

Strong NW. winds are likely to continue for a time over the British Isles with cold, squally weather.

The indications afforded by the afternoon map confirm those of the morning.

H.G.H.

Sunday, 1st SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn.

H. G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 244

Sunday, 1st September

	STATIONS.	EVENING OF 31ST					MORNING OF 1ST								24 HOURS ENDED 7 h 1ST						Sunshine for 31ST
		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 ...	996·7	47	N	4	c	995·1	+3	48	+3	NE	3	NE	c	2	2	49	42	cp	bcp	c	
	Deerness (Orkney)	996·6	48	N	4	c	993·9	*	47	+2	NNE	3	–	o	2	29	51	45	or.p	cp c	c.or.p.o	2.4
	Stornoway ...	1003·3	49	N	5	cqp	999·1	-2	51	+4	N	6	–	r	5	14	52	44	cqp	cqp	bc.orq	5·5
	Castlebay (Barra Isd.)	1006·2	52	NW	5	cp	1002·9	-2	52	0	NW	5	–	op	4	3	54	48	c.opc	c.bcp.	c.bc.op	3.7
	Glasgow ...	1001·8	50	WNW	3	bcv	999·4	-3	49	+2	W	5	–	og	*	1	56	44	cv.op	opm.bc	bc.b.oq	7·8
	Eskdalemuir ...	1001·0	48	W	5	bc	999·0	-3	46	0	WNW	6	N	cv	*	3	54	38	c.op	bcqp	bcv.op	4·7
	Malin Head ...	1006·0	49	N	6	bcqhp	1004·7	-2	52	+2	NNW	6	N	cqp	]	3	55	48	bc	bcp	cqp	7·0
	Blacksod Point	1011·2	52	WNW	5	cpm	1011·5	0	51	-3	NNW	4	–	bcp	3	2	58	46	bc	bcp	bcp.bc	
	Valencia (Cahirciveen)	1013·9	58	WNW	4	c	1014·3	+1	52	-5	NNW	3	N	b	3	1	59	50	o	o	b.bcw	0·6
	Roche's Point	1012·3	58	NW	4	o	1013·0	*	48	-9	NW	2	–	b	2	0·1	61	46	o.c.o	o.c.o	o.b	*
	Birr Castle ...	1010·3	54	W	3	c	1011·6	*	44	-8	W	1	–	b	*	Trace	60	41	cp.	c	o	4·5
	Donaghadee ...	1005·7	53	NW	6	bcqp	1003·7	0	49	-1	WNW	5	NW	cqm	4	0·3	59	45	bfqp	bfqp	bcqp	*
	Liverpool (Bidston)	1004·6	56	W	6	c	1003·5	-1	52	-2	WNW	6	NW	oq	5	1	58	47	opq	bc	c.oq	6·1
	Holyhead ...	1006·5	57	WNW	6	cq	1006·9	0	52	-2	WNW	7	NW	bcq	6	–	61	50	c.bcc	c.bc.cq	cp.cqq	5·8
	Pembroke (St. Ann's)	1009·7	58	W	5	bcq	1009·7	+1	51	-5	WNW	4	N	bcqv	4	–	59	49	cq.c	c	bcqv	4·4
	Hartland Quay	1011·0	60	W	5	oqp	1009·9	0	54	-5	NW	4	–	bc	4	2	61	54	aopq.o	o.oq.o	opcq.c	*
	Scilly (St. Mary's)	1014·4	59	WNW	5	o	1012·2	0	55	-2	N	4	NW	c	5	–	64	54	o.cq	c.o	cq	1·0
	Falmouth ...	1012·7	59	W	5	cgq	1011·4	+2	54	-2	NW	4	–	b	*	1	66	50	og.oyq	cy. opq	cq cqp	3·5
	Jersey (St. Aubin)	1014·1	61	W	3	o	1009·5	*	58	-4	NW	2	NW	b	1	0·1	64	57	o.c.b.o	o.c.o	d.opc.b	3·0
	Portland Bill ...	1009·3	61	W	5	c	1007·9	+1	61	+2	WNW	5	NW	bc	4	1	63	54	c	c	bc	*
	Dungeness ...	1008·1	62	WSW	5	b	1005·7	+2	51	-10	W	3	W	b	3	–	69	48	c.bc	c.bc	cq.c	*
	Wick	997·7	46	NW	4	cqp	993·6	-3	50	+5	NNW	4	–	opm	3	42	51	44	oqpm	o.cqp	cp.orq	*
	Nairn	999·8	48	WNW	4	cqu	995·0	*	51	+4	WNW	3	–	ou	2	10	51	43	cp.rqu	thp.c.q	cp.oq	1·7
	Aberdeen ...	998·2	47	WNW	4	c	993·8	-3	45	-2	WNW	2	–	r	2	30	55	43	bc.or.c	chpq	cqp.or	4·3
	Leith	999·8	53	NW	4	bc	996·6	-2	49	0	WNW	3	NW	c	3	1	57	44	bc.opc	cqp.bc	bc.bv.c	*
	Tynemouth ...	1000·4	50	WNW	3	cq	997·8	-2	47	-3	WNW	3	–	og	3	1	59	42	bq	cqp	bcqm.o	*
	Spurn Head ...	1003·6	57	W	6	cq	1002·2	0	47	-6	W	6	–	bq	5	0·4	59	44	bcq	cq	bq	8·8
	Yarmouth (Gorleston)	1007·4	58	WSW	3	c	1003·2	-1	48	-6	NW	3	–	b	3	–	61	45	bc	bc.cq	bc.b	5·1
	Clacton-on-Sea	1007·0	60	W	4	c	1004·6	0	49	-7	W	4	–	bc	3	0·3	63	49	c.bc.c	c	op.bc	3·8
	Nottingham ...	1005·6	55	W	2	cp	1003·6	*	47	-5	W	2	–	b	*	1	61	43	o.c	c.bc	cp	6·0
	Benson (Oxon.) ...	1007·9	59	WSW	3	o	1006·5	+2	47	-6	W	2	–	b	*	2	68	43	bc	o	r.b	*
	Sth Farnborough	1009·3	58	W	5	orv	1007·0	+2	48	-8	W	4	–	bv	*	Trace	65	43	c.bc.cy	ov	or.bc.oby	0·2
	Salisbury Plain						1007·8	+1	47	-8	W	3	–	b	*	Trace	65	40			op.bc.b	*
	London (Kew Obsy.)	1008·1	60	SW	3	c	1006·4	+2	48	-8	W	2	–	b	*	2	63	47	c	c.o.c	bc.bp.bc.b	4·8
NORTHERN EUROPE.	Spitsbergen ...	1019·1	39	–	0	b	1015·5	-2	39	+2	SE	5	*	f	*	*	43	34				
	Vardö	1018·3	45	NE	1	o	1019·4	0	46	0	NE	2	–	o	2	*	46	43				
	Bodö	1007·2	52	E	3	c	1007·0	0	54	-1	E	4	–	b	2	–	55	50				
	Christiansund ...	995·5	48	W	1	r	992·8	-2	48	-4	W	2	–	r	2	16	57	46				
	Skudesnaes ...	995·6	48	–	0	b	989·9	-1	50	-2	NE	5	–	c	2	2	54	46				
	Færder (X'fania Fjord)	995·1	57	SW	6	b	994·2	-1	54	-1	SE	6	–	o	3	1	57	52				
	The Scaw (Skagen)	1011·5	54	WSW	3	bc	993·0	-3	52	-5	SSW	3	–	r	6	8	59	48				
	Blaavands Huk	1001·8	54	WNW	2	c	993·4	+2	54	-3	W	5	–	c	*	10	59	48				
	Copenhagen ...	1002·2	63	W	1	c	998·2	-3	57	0	SW	4	–	o	*	1	63	52				
	Bornholm ...	1003·1	57	WSW	6	o	1000·7	-1	55	-4	WSW	3	–	c	1	5	59	52				
FRANCE, &c.	The Helder ...	1005·6	57	SW	3	c	999·4	-1	55	-4	W	6	W	c	4	1	61	52				
	C. Gris Nez ...	1008·7	59	W	7	c	1005·4	+1	54	-7	WNW	5	*	bc	4	1	64	52				
	La Hève	1013·5	61	WSW	5	o	1008·0	-1	57	-4	NW	5	*	c		2	64	55				
	Brest (St. Mathieu)	1016·5	63	WNW	3	b	1012·3	-1	59	0	NW	3	*	c		Trace	66	52				
	Rochefort (Ile d'Aix)	1015·5	64	NW	4	b	1012·3	0	63	–	NNE	2	*	c	*	–	73	54				
	Biarritz	1014·0	72	NNE	2	b	1011·8	-1	63	0	NE	2	*	c		–	79	61				
	Paris	1012·4	64	NW	3	b	1008·7	-1	57	+3	SW	2	–	o	*	1	73	52				
	Belfort	1013·1	63	W	2	bc	1010·8	*	59	+13	W	2	*	c	*	–	72	46				
	Lyons						1011·8	*	59	+7	–	0	*	b	*	–	77	52				
	Nice	1013·2	61	–	0	b	1012·3	0	64	0	–	0	*	bc		–	81	54				
	Perpignan ...	1012·8	77	–	0	b	1011·4	+1	66	+3	–	0		o	*	–	90	59				
	Sanguinaire ...						1015·8	*	73	+1	E	3	*	b	3	–	75	63				
IBERIA, &c.	Corunna	1015·8	70	NE	3	b	1014·0	+2	64	-2	N	3	–	b	2	Trace	73	59				
	Madrid														*							
	Lisbon	1014·6	72	WSW	4	b	1013·8	0	66	0	SW	2	–	b	2	–	77	64				
	Azores (Horta) ...	1026·0	*	NNE	4	b	1024·2	0	66	-2	–	0	*	bc	1	–	77	66				
	,, (P. Delgada)	1023·9	*	NE	4	bc	1022·8	0	66	-2	–	0	*	c	1	–	73	66				
	Madeira																					
	Gibraltar							*					*									
	Palma																					
MEDITERRANEAN.	Algiers																					
	Malta	*	*	*	*	*	1015·0	+2	75	+2	–	0	–	b	1	–	79	70				
	Salonica	1004·4	71	N	6	b	1008·0	+1	66	-10	NNW	6	–	b	*	Trace	90	61				
	Athens	1007·2	75	W	5	b	1008·8	+2	72		WNW	2	–	b	1	–	88	66				
	Candia	1010·7	73	–	0	b	1010·0	+3	75	0	W	1	–	b	2	–	84	70				
	Limassol	*	*	*	*	*	1006·6	+1	79	-3	–	0	–	b	0	–	88	64				
	Alexandria ...	1011·8	77	NW	3	b	1011·5	+1	77	-4	NNE	3	N	c	2	–	88	75				
	Cairo (Helwan) ...	1010·6	84	N	3	b	1010·7	+1	73	-2	N	3	–	c	*	–	93	70				
	Jerusalem ...	*	73	NW	3	b	*	0	70	-3	SW	1	–	b	*	–	86	59				
	Ramleh	1009·5	77	NW	1	b	1009·4	+1	81	+2	–	0	–	b	*	–	88	70				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

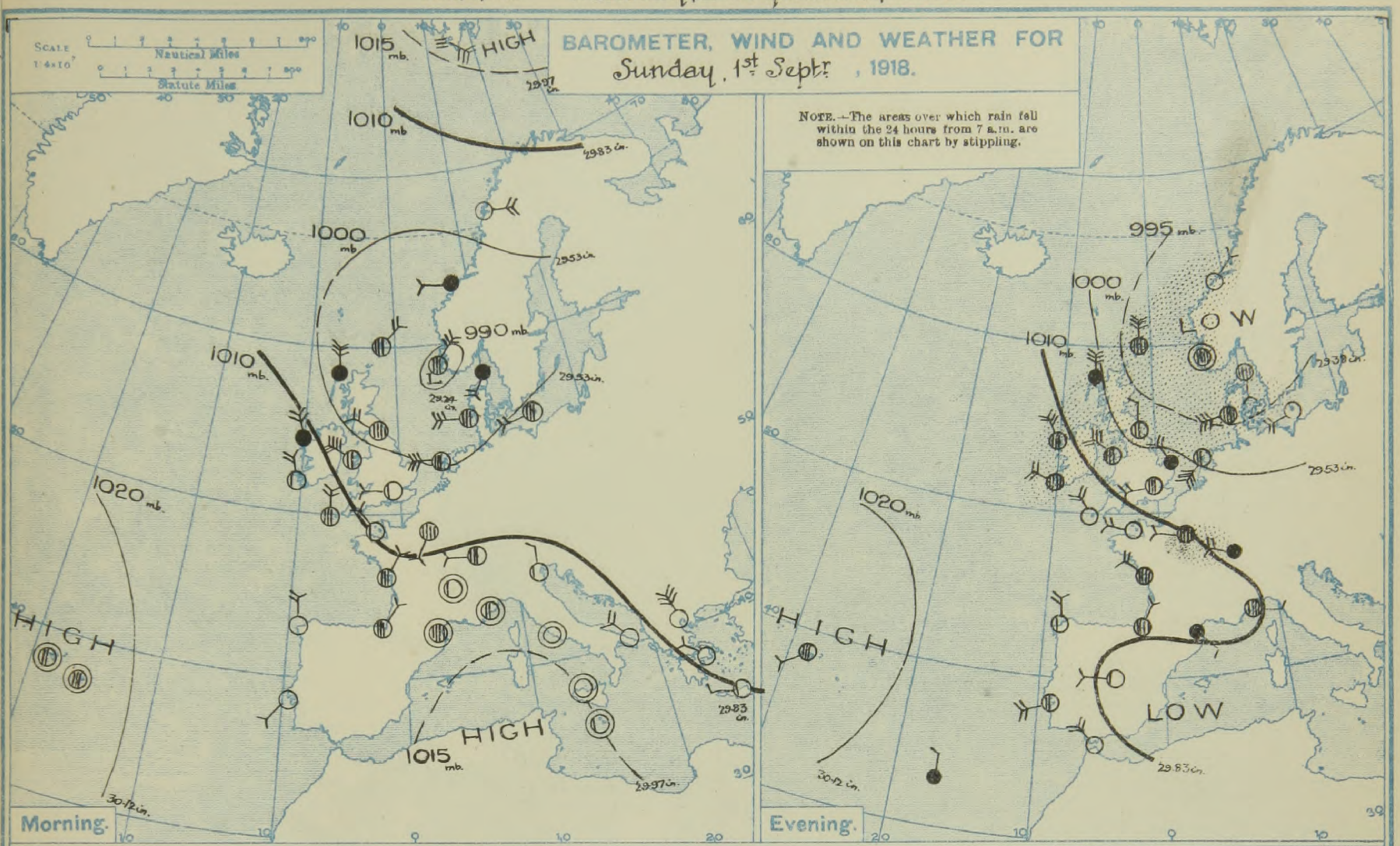
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20738. Monday, 2nd September, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 1ST SEPTEMBER

	STATIONS.	Evening of 31st Aug. Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0–12.	Weather.	Morning of 1st Sept. 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 ...														※	
	Petrograd ...															
	Moscow														※	
SWEDEN.	Hernösand ...	1003·2	52	S	4	0	1000·4	※	54	+2	-	0	c	※	※	※
	Stockholm ...	996·6	55	SSW	4	r	1001·6	※	55	0	SE	1	c	※	※	※
	Wisby	1000·6	57	SSW	4	0	1000·4	※	57	0	S	2	c	※	※	※
ITALY.	Venice	1012·5	70	-	0	b	1011·8	※	63	-1	N	1	b	-	73	51
	Turin	1011·7	70	-	0	b	1012·9	※	61	+2	-	0	b	-	82	55
	Pesaro	1013·1	?	-	0	b	1012·5	※	?	?	-	0	f	-	75	57
	Leghorn ...	1013·5	76	-	0	b	1013·0	※	70		-	0	bc	-	75	61
	Rome	1014·9	70	W	1	b	1014·3	※	64	-2	-	0	b	-	?	?
	Viesti	1013·1	68	NE	3	b	1013·7	※	?	?	WNW	1	b	-	73	55
	Brindisi	1011·5	?	?	?	?	1012·1	※	70	+2	NW	4	b	-	?	64
	Cagliari							※								
	Palermo	1015·7	70	SSW	3	b	1015·0	※	66	-6	-	0	b	-	82	57
	Tripoli							※								

Morning of 1st Sept.

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						

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

2ND & 3RD SEPT. 1918.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5·7	11·53	6·39
	5·8	11·52	6·37
Greenwich	5·16	12·0	6·44
	5·17	11·59	6·42
Wick	5·15	12·12	7·9
	5·17	12·11	7·6
Valencia	7·56	12·41	7·26
	7·57	12·40	7·24

LONDON

2ND SEPT. 9h. G.M.T.

	Humidity. 15 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)	45	68	11·5	55	48	40	-	bc	bc	c.o.or
CITY (Bunhill Row)	※	※	10·9	※	※	※	※	※	※	※
WESTMINSTER (St. James's Park)	73	93	11·7	64	49	44	-	bc	bc	bc
„ (Roof near Charing Cross) ..	53	72	11·5	64	50	※	-	bc	bc	bc
CAMDEN SQ. (British Rainfall)	※	76	8·5	67	47	44	-	※	※	※
KENSINGTON PALACE	48	76	11·5	64	49	41	-	bc	bc	※

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 1st

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1560	32	75

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‡ The barometric change is expressed in half-millibars.

2nd SEPT., at 1h. G.M.T.

THE MORNING OF MONDAY, 2nd SEPTEMBER 1918, at 7h. G.M.T.

EXPLANATION.

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

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

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

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

WEATHER.—Shown by the following symbols:—

◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊤ᵀ, thunderstorm.

SEA DISTURBANCE.—Rough ~~~ High ≈.

LOW

995 mb.

1000 mb.

1005 mb.

1010 mb.

1015 mb.

HIGH

Bar. rising briskly

LOW

Barometer rising

Bar. falling

slowly

Barometer changing little

HIGH

LOW

HIGH

1015 mb.

29·38 in.

29·53 in.

29·68 in.

29·83 in.

29·97 in.

1018·7 mb.

Scale 1 : 2 x 10⁷

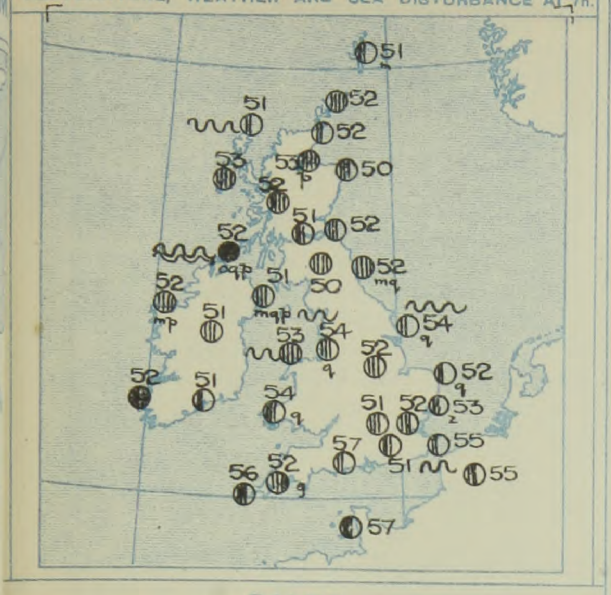
Nautical Miles

Statute Miles

Normal Temperature of the Sea.

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

Scale of Tints for SEPTEMBER.



Notes on the Weather of the 24 hours ended 7h. Today

Moderate falls of rain occurred during the day in the North and West, and at Eskdalemuir there was a thunder storm during the afternoon. Fine or fair weather prevailed in the south, where from 10 to 12 hours of bright sunshine were recorded. The general North-Westerly winds, however, maintained relatively low temperatures, and the thermometer rose above 65° at Dungeness only.

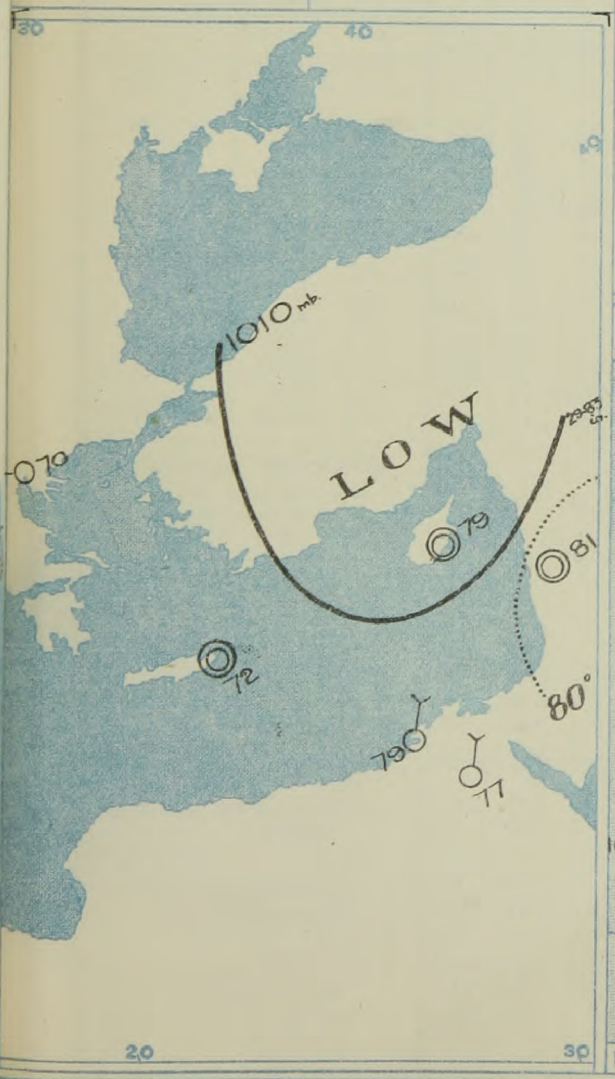
The Conditions at 7h. Today

A depression covers the Northern half of the North Sea. The development of a secondary yesterday over NE. Scotland has caused a considerable increase in the wind force over these Islands generally. Fresh to strong NE winds are blowing to the north of Scotland, and moderate to fresh breezes, mainly between W. and NW., in other areas. A showery type of weather prevails.

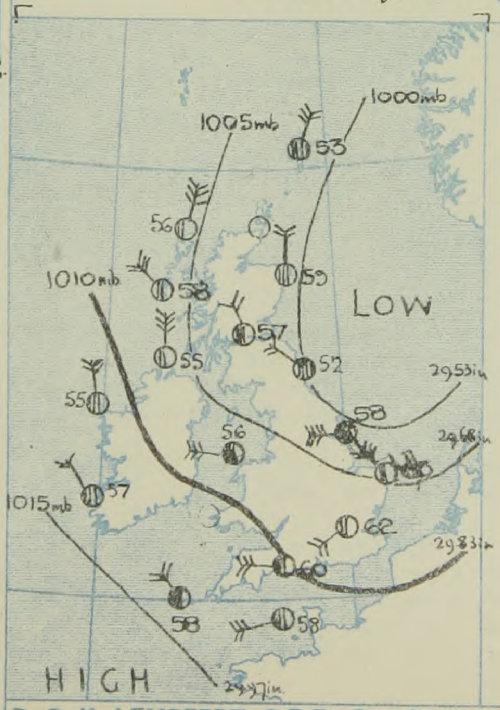
The General Outlook

The barometer shows a tendency to fall again on the west coast of Ireland. It is not unlikely, therefore, that the distribution will again revert to the South-Westerly type owing to the approach of a fresh depression from the Atlantic. Speaking very generally, unsettled conditions are likely to continue.

E.G.B



Monday, 2nd SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



The fall of pressure in the west is now checked while the barometer is rising generally in the north. The depression seems to have commenced to move eastwards.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 245.

MONDAY
2ND SEPTEMBER

	STATIONS.	EVENING OF 1ST					MORNING OF 2ND								24 HOURS ENDED 7 h 2ND						Sunshine for 1ST
		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 ...	991·8	50	N	6	omp	996·7	+2	51	+3	NE	5	-	bcm	4	10	51	42	c	om.r	cm	*
	Deerness (Orkney)	994·2	52	NW	5	or	997·6	*	52	+5	N	5	NW	o	4	8	54	48	o	or	orp.o	0·9
	Stornoway ...	1002·2	52	N	6	opq	1002·4	+3	51	0	NNE	6	-	bc	5	6	55	49	or.opq	opq	o.bcp.q	0·2
	Castlebay (Barra Isd.)	1005·3	53	NW	5	cp	1003·9	0	53	+1	NW	5	-	o	4	5	56	51	o.c.op	o.c.o.cp	cop.o	1·7
	Glasgow ...	1000·3	56	WSW	3	c	998·6	-1	51	+2	W	5	NW	c	*	1	61	49	o.q.c	cr.opc	c.bc.c.o	3·2
	Eskdalemuir ...	1000·1	51	NNW	2	bv	998·7	-1	50	+4	WNW	5	-	o	*	6	58	46	cr.or.o	ctr. b	bv.cd	2·8
	Malin Head ...	1004·2	54	N	8	cmq	1003·5	0	52	0	NW	7	-	oqp	7	3	54	50	cmq.p	cmp	oqp	0·1
	Blacksod Point	1011·4	53	NW	5	cmp	1010·7	-2	52	+1	WNW	5	-	omp	4	3	55	49	cmp	cmp	cmp.o	*
	Valencia (Cahirciveen)	1014·6	56	WNW	4	o	1013·2	0	52	0	NNW	3	-	o	3	0·3	58	52	bc	bc.c.o	o.c	9·1
	Roche's Point	1012·9	55	NW	3	c	1012·5	*	51	+3	WNW	2	NW	bc	2	Trace	61	48	b.bc	bc.c	bc	*
	Birr Castle ...	1010·7	53	NW	1	c	1009·9	*	51	+7	W	1	-	c	*	Trace	60	43	bc.c	cp	c	7·2
	Donaghadee ...	1003·5	56	NW	6	bcqp	1003·9	0	51	+2	WNW	5	NW	c	4	2	57	49	cmqp	omqp	bcqp	*
	Liverpool (Bidston)	1001·9	54	W	7	r	1003·7	0	54	+2	W	6	W	c	5	7	56	51	op	op	opq.c	2·8
	Holyhead ...	1005·6	55	WNW	6	cq.g	1006·3	0	53	+1	W	5	W	c	5	3	59	51	c.	opqg	cop.c	6·0
	Pembroke (St. Ann's)	1009·4	57	W	5	bc	1010·0	+2	54	+3	WNW	4	NW	cq	4	-	57	50	bcq.r	bcq	cq.bcq	10·3
	Hartland Quay	1011·3	58	W	5	b	1011·0	0	57	+3	WNW	5	-	op	4	Trace	59	54	c.bc.c	bc.b	c.bc.o	*
	Scilly (St. Mary's)	1014·0	57	NW	4	b	1013·2	-1	56	+1	NW	4	NW	c	4	-	62	53	c.bc	b	b.bcq	11·8
	Falmouth ...	1012·7	57	WNW	3	by.r	1012·4	+1	52	-2	WSW	2	-	oq	*	-	62	49	byq.r	byqr	b.bc.o	12·1
	Jersey (St. Aubin)	1012·1	59	WNW	3	b	1012·7	*	57	-1	W	3	W	c	2	-	62	53	bc.b	b	bc	10·0
	Portland Bill ...	1009·1	58	WNW	5	bc	1009·4	0	57	-4	WNW	5	NW	bc	4	-	61	55	bc	bc	bc	*
	Dungeness ...	1006·2	60	WSW	5	b	1008·0	+1	55	+4	W	5	W	bc	5	-	66	50	bc	bc	bc.c	*
	Wick	996·5	53	NW	5	omq	997·6	+2	52	+2	NE	5	-	bc	4	5	54	48	omp	ompq	cmpq	*
	Nairn	997·7	53	WNW	3	oqpr	996·9	*	51	0	N	4	-	opqr	4	5	56	49	opr.bc	qpr.c	cpq	1·3
	Aberdeen ...	996·5	54	WNW	4	c	994·0	0	50	+5	W	2	-	c	2	7	57	45	or.cq	cryq	c.op.cp	4·3
	Leith	998·7	58	WNW	2	c	996·1	-1	52	+3	WNW	3	NW	c	3	1	60	48	q.ow.c	cpq.c	c.bc.cu	*
	Tynemouth ...	999·2	53	N	1	bc	997·5	-1	52	+5	WNW	3	-	omq	3	1	58	46	cp	bc	bc.cmq	*
	Spurn Head ...	999·0	53	WNW	6	cq	999·7	0	54	+7	W	5	-	bc	5	2	58	46	cqp	cpq	bcq	5·1
	Yarmouth (Gorleston)	1003·4	53	NW	3	or	1003·9	+1	52	+4	W	5	-	bcq	4	2	62	47	b.bc.q	bcq.or	or.bcq	9·6
	Clacton-on-Sea	1004·5	60	W	4	bcy	1006·5	0	53	+4	SSW	4	N	bcy	3	-	62	49	bcy	bcy	bc.c.bc	11·6
	Nottingham ...	1003·0	53	W	4	o	1004·2	*	52	+5	W	2	W	c	*	3	60	47	cq.p	cqp.o	or	5·7
	Benson (Oxon.) ...	1006·5	57	W	3	bc	1007·0	+2	51	+4	WSW	3	-	c	*	-	63	47	bc	bc.c	bc	*
	Sth Farnborough	1007·3	57	WNW	5	c	1008·1	0	52	+4	W	4	-	bc	*	-	63	47	bc.cby	cry.bcv	bcv.bc	11·8
	Salisbury Plain	1008·4	54	W	4	b	1009·1	0	51	+4	WSW	3	W	c	*	-	60	45	b.bcy	bc	b.bc	*
	London (Kew Obsy.)	1006·2	59	WSW	3	c	1007·6	+1	52	+4	SW	2	W	c	*	-	58	49	b.bcv	bcv.cv	cv.b.c	11·5
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö															*						
	Bodö																					
	Christiansund ...		57	NE	2	b	997·6	0	50	+2	SE	3	-	b	2	2	57	46				
	Skudesnaes ...	990·3	54	-	0	c	993·4	+1	52	+2	E	1	-	b	2	2	?	52				
	Færder (X'tiandaFjord)																					
	The Scaw (Skagen)	992·8	54	S	3	c	993·8	+2	50	-2	SW	3	SW	c	3	2	57	48				
	Blaavands Huk	994·6	55	WSW	6	o	994·3	-2	54	0	WSW	4	-	c	*	5	57	48				
	Copenhagen ...	1000·2	55	SW	4	c	1000·6	+4	55	-2	SW	4	-	o	*	1	57	52				
	Bornholm ...	1001·5	55	WSW	4	b	1002·6	+3	54	-1	WSW	7	-	c	2	Trace	61	52				
FRANCE, &c.	The Helder ...	999·4	57	SW	7	bc	1001·9	0	57	+2	SW	6	-	c	4	11	59	52				
	C. Gris Nez ...	1006·3	59	W	6	bc	1008·4	0	55	+1	W	6	*	b	5	-	64	48				
	La Hève	1010·8	57	WNW	4	b	1012·7	*	54	-3	WSW	5	*	bc		-	63	54				
	Brest (St. Mathieu)	1014·6	57	NNW	3	b	1014·6	0	57	-2	SW	3	*	bc		-	61	54				
	Rochefort (Ile d'Aix)	1011·5	57	NW	3	o	1013·9	+1	57		ENE	4	*	b	*	-	73	50				
	Biarritz						1013·4	+2	63	0	SSE	2	*	c		-	70	61				
	Paris	1010·6	57	WNW	2	b	1013·9	+1	46	-11	S	2		b	*	Trace	63	39				
	Belfort	1007·8	66	NW	3	r	1014·8	*	62		W	2	*	c	*	2	72	58				
	Lyons						1013·1	*	54		NNW	1	*	r	*	-	84	53				
	Nice	1010·8	64	E	1	o							*									
	Perpignan ...	1010·2	64	SE	1	r	1012·0	+1	63	-3	S	1	-	b	*	3	79	57				
	Sanguinaire ...	1011·6	75	NW	3	m	1009·0	*	75		WSW	3	*	m	*	-	86	66				
IBERIA, &c.	Corunna	1014·0	64	N	3	b	1016·2	+2	57		-	0		b	2	?	66	55				
	Madrid	1007·4	79	W	2	b	1013·8	+3	61		-	0		b	*	-	81	64				
	Lisbon	1014·8	72	WSW	4	bc	1015·4	+3	64	-2	NNW	2		b	3	-	73	63				
	Azores (Horta) ...	1022·7	*	SW	2	c	1018·7	+1	68	+2	NNW	3	*	bc	2	-	77	68				
	,, (P. Delgada)	1021·5	*	NNW	1	b	1018·8	-1	70	+4	WSW	2	*	c	3	-	75	66				
	Madeira	1017·0	70	N	1	r	1018·4	0	66		WSW	1		b	1	-	75	64				
	Gibraltar	1014·5	80	NW	4	b	1015·9	*	68		W	4	*	b	2	-	80	67				
	Palma																					
MEDITERRANEAN.	Algiers																					
	Malta	*	*	*	*	*	1014·6	+2	75	0	S	2	-	b	*	-	81	72				
	Salonica	1010·5	72	SW	4	b	1013·9	+5	70	+4	WNW	3		b	0	-	82	60				
	Athens																					
	Candia	1011·6	73	NW	1	b	1013·4	0	72	-3	-	0	-	b	0	-	90	66				
	Limassol	*	*	*	*	*	1007·9	+1	79	0	-	0	-	b	0	-	88	64				
	Alexandria ...	1012·7	79	NNW	3	bc	1013·4	+1	79	+2	NW	2	-	b	1	-	86	73				
	Cairo (Helwan) ...	1010·8	82	N	3	b	1012·8	+2	77	+4	NE	2	-	b	*	-	93	72				
	Jerusalem ...	?	72	WNW	3	b	?	+2	68	-2	NW	2	-	b	*	-	86	61				
	Ramleh	1009·2	79	NW	1	b	1012·0	+2	81	0	-	0	-	b	*	-	90	68				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

BEAUFORT NOTATION.

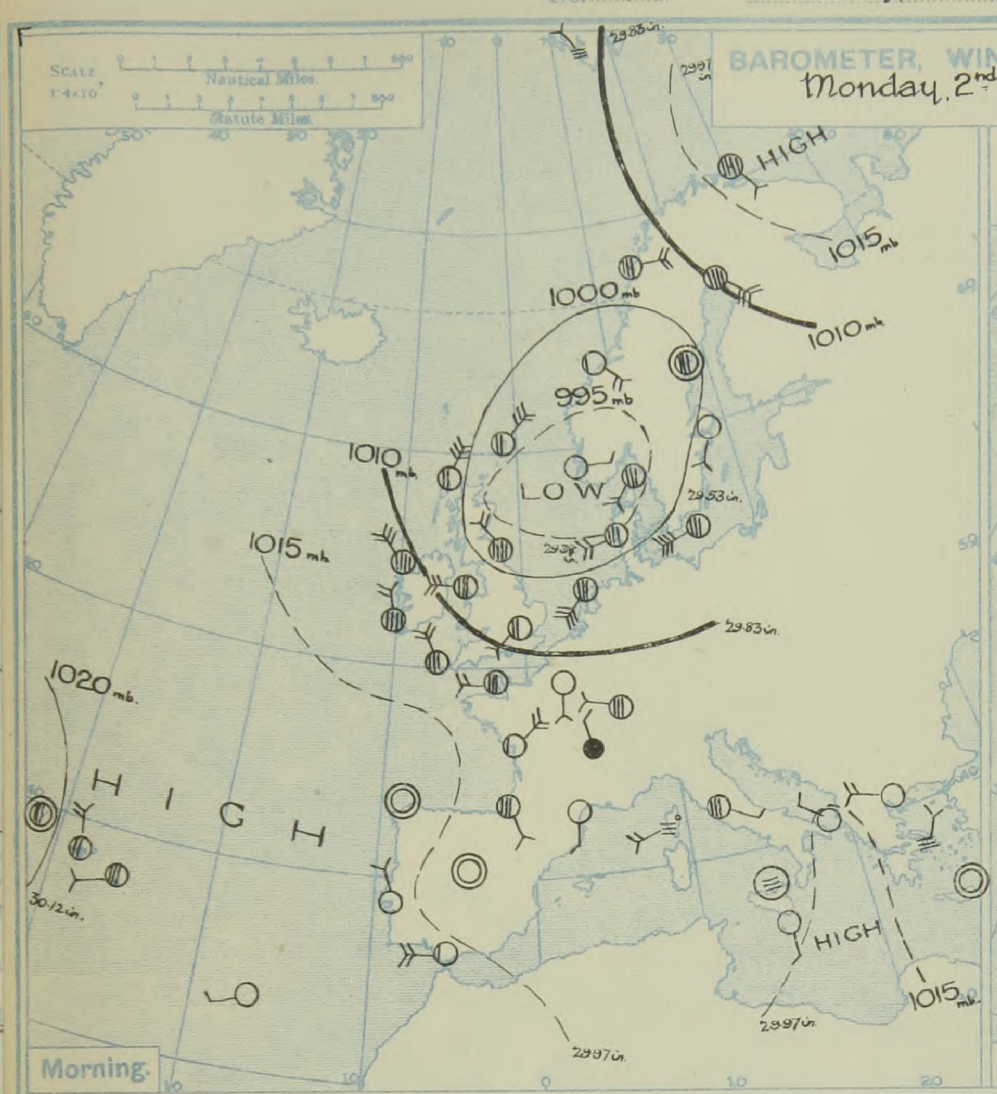
b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered.
c generally cloudy (three quarters covered).
d drizzle, or fine rain.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*,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

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

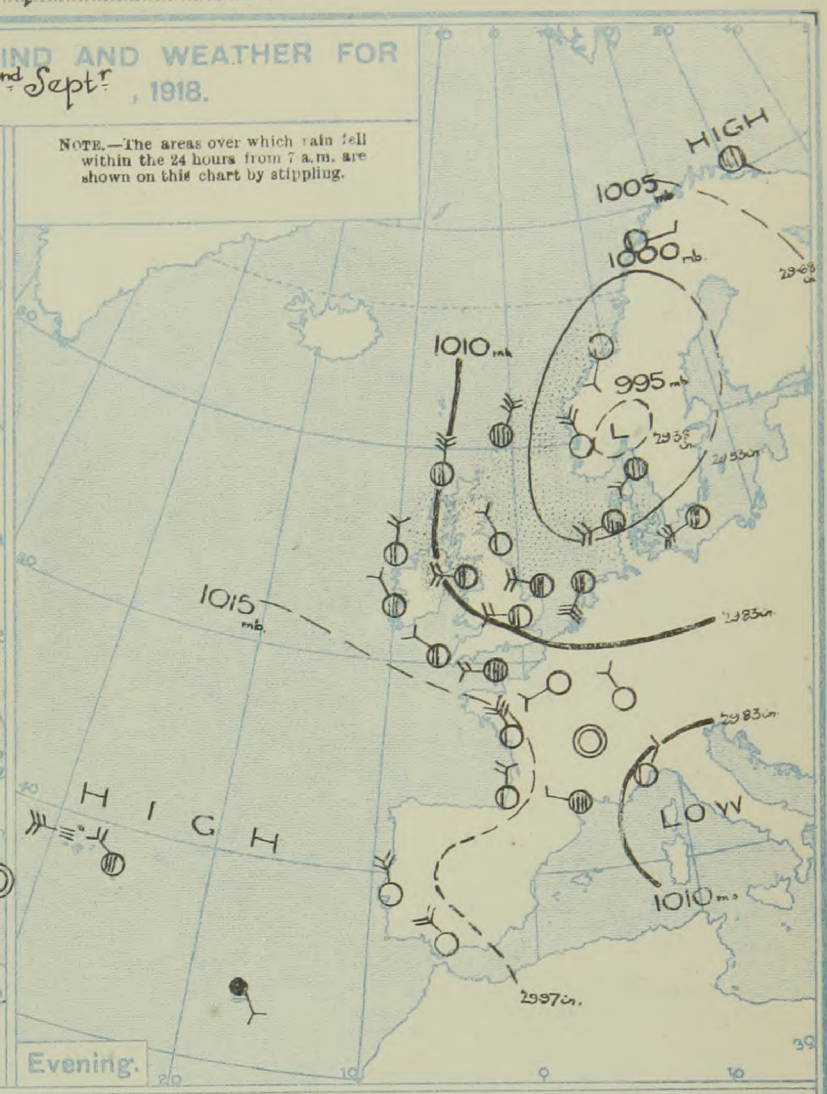
METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,739. Tuesday, 3rd September, 1918.

BAROMETER, WIND AND WEATHER FOR Monday, 2nd Sept^r, 1918.



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



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 2nd September 1918

	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 ...															
	Petrograd ...															
	Moscow															
SWEDEN.	Hernösand ...	1003·0	52	NE	2	c	999·1	×	52	−2	–	0	c	×	×	×
	Stockholm ...	1000·3	54	S	2	c	1000·4	×	55	0	SSW	2	b	×	×	×
	Wisby	1001·2	57	SSW	4	c	1002·3	×	54	−3	S	4	b	×	×	×
ITALY.	Venice							×								
	Turin	1011·0	68	–	0	c	1011·0	×	63	+2	–	0	0	–	75	59
	Pesaro							×								
	Leghorn ...	1012·3	73	ESE	1	b	1011·3	×	70	0	–	0	0	–	77	68
	Rome	1013·5	72	NNW	1	b	1012·8	×	72	+8	SE	1	c	–	81	64
	Viesti	1013·3	68	SE	1	b	1013·1	×	75	?	SE	1	b	–	75	66
	Brindisi	1014·2	70	NW	1	b	1016·2	×	68	−2	NW	1	b	–	70	64
	Cagliari							×								
	Palermo	1013·9	73	–	0	b	1012·6	×	66	0	–	0	f	–	84	61
	Tripoli							×								

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 ...						
Reykjavik						
Vestmanna						
Seydisfjord						
Thorshavn						

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

3rd & 4th Sept^r. 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5 58	11 52	6 37
	5 59	11 52	6 35
Greenwich	5 17	11 59	6 42
	5 18	11 59	6 40
Wick	5 17	12 11	7 6
	5 19	12 11	7 3
Valencia	5 57	12 40	7 24
	5 58	12 40	7 22

LONDON

3rd September ..9h. G.M.T.

	Humidity. 15 h. (2nd)	Humidity. 9 h. (3rd)	Sunshine for (2nd)	24 Hours ended 9 h. 3rd Sept^r.: Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	55	69	7·0	66	46	36	–	c.-op	c.op.c	c.bc.b
CITY (Bunhill Row)	×	×	6·0	×	×	×	×	×	×	×
WESTMINSTER (St. James's Park)	?	?	5·5	65	46	41	–	×	×	×
" (Admiralty Arch)	61	71	6·2	65	48	×	–	c.bc	c.bc	×
CAMDEN SQ. (British Rainfall)	53	75	5·4	66	46	41	–	b.bc	bc	×
KENSINGTON PALACE	59	65	6·2	71	46	37	–	b.bc	c.bc	×

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

SOUTH KENSINGTON (M.O.)

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

Total.	Average Rate.	Max. Rate
Joules.	Milliwatts.	Milliwatts.
1070	22	68·5

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‡ The barometric change is expressed in half-millibars.

3rd SEPT., at 1h. G.M.T. — THE MORNING OF TUESDAY, 3rd SEPTEMBER 1918, at 7h. G.M.T.

EXPLANATION.

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

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

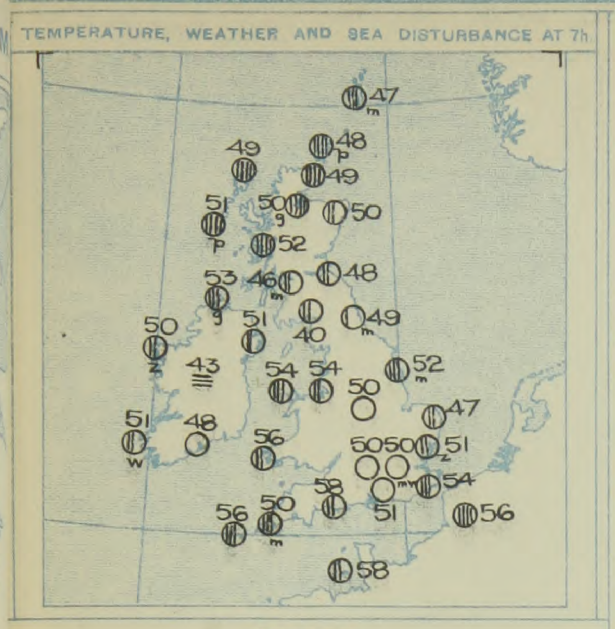
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines

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

SEA DISTURBANCE.—Rough ~~ High ~~

Scale 1 : 2 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 SEPTEMBER.



GALES.

Notes on the Weather of the 24 hours ended 7h. Today.

Showers occurred in nearly all districts, the highest rain measurement being 4 mm. at Leith where a thunderstorm occurred during the afternoon. Little more than one hour of bright sunshine was recorded in the south-west but other districts experienced up to 9 hours. Maximum temperatures ranged from 55° to 65°. At Eskdalemuir the minimum was as low as 35° F

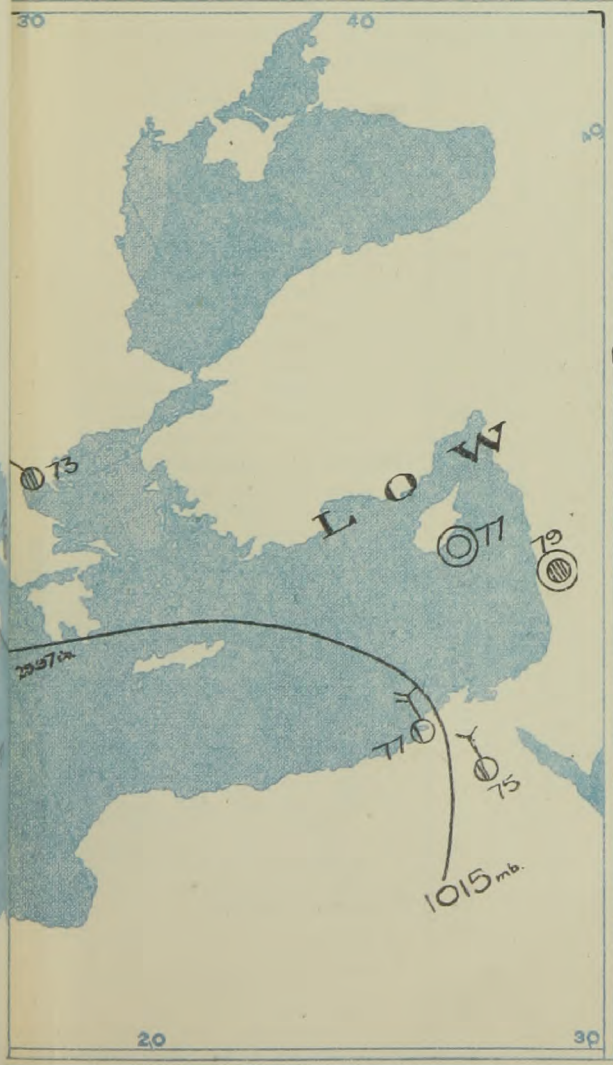
The Conditions at 7h. Today.

The depression which was over the Northern North Sea yesterday morning has moved south-eastward and is now centred over the Cattegat. The barometer is rising briskly on the eastern side of the North Sea and slowly over the British Isles, France and the Netherlands.

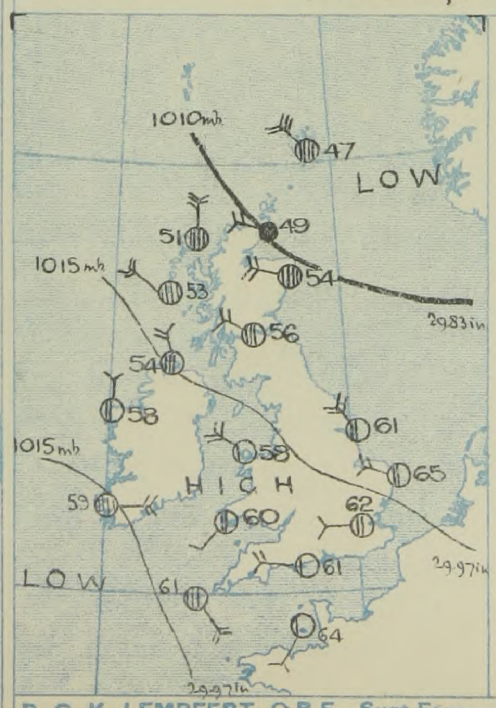
Winds have become very light from E. in the west of Ireland, but elsewhere the NW. current continues with velocity considerably moderated since yesterday. There are some showers in the north of Scotland but fair or fine weather prevails in other localities.

The Outlook

Winds will probably become light and indefinite in the Southern districts, remaining moderate from NW. to N. in the north and north-east. Fair or fine weather may be anticipated today and tomorrow but the further outlook is uncertain. E.G.B



Tuesday, 3rd SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



There are now indications of a fresh depression off the south-west coasts of the British Isles. No long continuance of settled weather is to be expected.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No.246.

Tuesday, 3rd September

	STATIONS.	EVENING OF 2nd				MORNING OF 3rd								24 HOURS ENDED 7 h 3rd					Sunshine for 2nd.
		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 ...	1002·7	51	NNE	5	oqm	1006·1	0	47	−4	WNW	4	W	cm	3	0·1	53	45	cqm	oqm	om	*
	Deerness (Orkney)	1004·4	53	N	5	o	1007·8	*	48	−4	WNW	5	-	op	4	1	57	47	o c bc b	b bc c o	op o	8·0
	Stornoway ...	1010·0	53	NNE	5	cq	1011·8	0	49	−2	N	5	NW	o	4	0·2	57	47	bcq	bc cq	o	9·2
	Castlebay (Barra Isd.)	1010·8	54	NNW	4	c	1014·1	0	51	−2	NW	4	-	op	4	2	58	50	ohp bc	bc	c bc op	8·5
	Glasgow ...	1006·0	59	WNW	2	bc	1012·2	+2	46	−5	W	1	NW	bcm	*	0·1	62	43	cv op	c op bc	bc bmw	6·2
	Eskdalemuir ...	1006·1	52	-	0	c	1012·4	+2	40	−10	-	0	NW	bcw	*	2	58	35	c op bc	cvy op	cp bc	4·9
	Malin Head ...	1009·6	55	N	5	bcq	1013·8	+1	53	+1	N	4	N	cg	4	2	56	50	bcqpm	bcqp	cg	6·6
	Blacksod Point	1012·4	55	N	3	bc	1015·8	+1	50	−2	E	1	-	bcj	3	-	57	48	cv	bc	b3 bcj	*
	Valencia (Cahirciveen)	1013·9	56	NW	2	c	1014·9	0	51	−1	E	3	W	bcw	3	-	58	44	o c	o c	o c bw	1·6
	Roche's Point	1013·2	58	W	2	o	1016·1	*	48	−3	WNW	1	-	b	1	0·1	62	44	bc o	o c o	o c bw	*
	Birr Castle ...	1011·9	55	W	1	c	1016·5	*	43	−8	-	0	-	f	*	0·1	60	39	c o c	c o cp	f	1·1
	Donaghadee ...	1008·4	57	NNW	5	bcqm	1013·7	+2	51	0	NW	3	NW	bcq	2	2	59	50	f mqof	bcqp	bcm	*
	Liverpool (Bidston)	1007·2	53	W	4	r	1012·9	+2	54	0	W	4	W	bc	3	4	58	52	opq	bcp	c bc	1·5
	Holyhead ...	1008·5	58	W	4	bc	1014·2	+1	54	+1	WNW	4	NW	c	2	0·2	59	52	cg	c bc	c bc b	3·3
	Pembroke (St Ann's)	1011·8	57	W	5	c	1016·7	+3	56	+2	WNW	2	-	bc	2	-	58	51	bcq	bcq cq	bcq bc	4·6
	Hartland Quay	1013·1	59	W	4	c	1016·7	+3	58	+1	WNW	2	W	bcv	3	trace	60	56	o bc	c bc c	c bc	*
	Scilly (St. Mary's)	1014·7	57	WNW	2	bcv	1016·8	0	56	0	-	0	W	cv	3	2	63	54	cqp	c bcv	ov, cv	2·5
	Falmouth ...	1014·1	59	W	4	bcyv	1017·5	+2	50	−2	W	1	SW	cm	*	-	65	47	ogc c	c bcq	b bc cm	5·3
	Jersey (St. Aubin)	1014·5	59	W	3	o	1017·8	*	58	+1	W	2	W	bc	1	trace	63	56	cop c	c bc o	o b bc	7·0
	Portland Bill ...	1010·9	60	W	4	c	1015·9	+4	58	+1	WNW	4	NW	bc	3	-	61	56	bc c	c	b bc	*
	Dungeness ...	1008·9	60	WSW	6	bcq	1014·6	+2	54	−1	W	2	W	bc	3	-	66	50	bc	cq	c bc	*
	Wick	1004·7	54	N	6	oqm	1008·8	+1	49	−3	WNW	3	-	o	2	0·2	57	48	bcq	bc oqm	opgm	*
	Nairn	1003·3	54	NNE	2	cg	1010·2	*	50	−1	-	0	-	og	1	1	60	49	cq bc	bcq c	cgp	5·7
	Aberdeen ...	1003·6	54	NNW	4	c	1009·4	+2	50	0	WNW	2	N	bc	3	1	60	48	cp cqv	cv cpq	c bcq	5·8
	Leith	1004·5	59	N	2	c	1010·4	+1	48	−4	SW	2	N	bcj	2	4	60	46	copq c	cq tbr	c qbc	*
	Tynemouth ...	1003·1	57	NW	2	b	1010·3	+2	49	−3	NW	2	-	bm	3	0·4	59	46	opm	b	bm	*
	Spurn Head ...	1003·4	54	WNW	6	bcqpv	1011·2	+2	52	−2	WNW	4	-	cm	4	1	59	51	cq	bcqv	cm	4·0
	Yarmouth (Gorleston)	1006·4	59	WNW	4	cq	1012·0	+3	47	−5	W	3	-	bc	3	trace	64	?47	bcq	bcqp	cq bc	9·3
	Clacton-on-Sea	1007·9	61	W	4	bc	1013·5	+3	51	−2	WNW	3	NW	bcz	2	1	63	48	bc cj	cjp bc	bcj	7·4
	Nottingham ...	1007·1	56	W	3	c	1013·0	*	50	−2	W	2	-	b	*	1	61	46	c o	o cp	cp b	7·3
	Benson (Oxon.) ...	1009·1	58	WSW	2	c	1014·1	+4	50	−1	-	0	-	b	*	-	63	41	c	c	bm	*
	Sth Farnborough	1010·2	59	W	4	bc	1015·4	+3	51	−1	WNW	2	-	bw	*	trace	64	45	bc o bc	bc op bc	bc bw	8·7
	Salisbury Plain	1011·2	57	W	4	b	1016·0	+2	50	−1	W	2	NW	b	*	-	63	43	o c bcq	bcy b	bc c bc	6·4
	London (Kew Obsy.)	1009·3	61	W	3	bc	1014·9	+2	50	−2	SW	1	-	b	*	-	63	47	cv bcv	bcv bc	bc bmw	6·1
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö	1008·3	46	SE	3	o	998·7	−5	46	−2	SE	3	-	o	5	*	48	45				
	Bodö	999·1	54	E	1	b	997·6	0	46	−8	E	1	-	bc	1	-	54	46				
	Christiansund ...	998·3	54	SSW	2	b	999·5	+1	54	+4	NE	1	-	o	2	5	55	48				
	Skudesnaes ...	996·8	52	NNW	4	b	998·7	+1	52	0	-	0	N	b	1	-	54	45				
	Færder (X'tania Fjord)																					
	The Scaw (Skagen)	996·2	55	SW	4	o	994·8	−1	52	+2	SW	1	-	o	1	8	57	50				
	Blaavands Huk	999·6	55	WSW	4	o	1000·6	?	52	−2	NW	6		c	*	9	61	48				
	Copenhagen ...	1003·5	59	SW	4	c	994·3	−2	55	0	SW	5	N	c	*	trace	61	54				
	Bornholm ...	1006·2	57	WSW	6	m	1003·0	−3	55	+1	WSW	7	W	o	2	-	57	52				
FRANCE, &c.	The Helder ...	1004·7	57	SW	6	c	1008·3	+2	57	0	W	6	-	c	5	2	61	55				
	C. Gris Nez ...	1009·8	59	WSW	7	o	1014·8	0	55	0	W	4	*	bc	4	-	63	54				
	La Hève	1013·6	59	WNW	5	c	1018·0	+3	57	+3	WNW	4	*	c	5	-	63	54				
	Brest (St. Mathieu)	1016·3	59	W	1	c	1017·9	+1	57	0	ESE	3	*	bc		-	63	55				
	Rochefort (Ile d'Aix)	1015·5	61	NW	4	b	1019·4	+1	66	+9	SE	1	*	b	*	-	72	52				
	Biarritz	1015·6	68	N	3	b	1017·4	0	57	−6	E	3	*	b		-	77	54				
	Paris	1013·2	66	SW	2	b	1018·4	+3	52	+6	S	2	-	o	*	-	70	46				
	Belfort	1013·6	61	NW	2	b	1018·7	*	55	+3	W	3	*	c	*	-	70	48				
	Lyons	1013·1	66	-	0	b	1018·2	*	59	+5	-	0	*	b	*	-	73	54				
	Nice	1009·5	70	NE	1	b	1012·8	+1	68	-	-	0	*	b		-	77	59				
	Perpignan ...	1013·8	70	WNW	1	o	1018·3	+3	61	−2	W	2	-	b	*	trace	81	55				
	Sanguinaire ...						1015·4	*	75	0	NE	3	*	m	3	-	84	70				
IBERIA, &c.	Corunna														*							
	Madrid																					
	Lisbon	1016·4	72	NNW	4	b	1018·3	+1	63	−1	N	1	-	b	2	-	75	61				
	Azores (Horta) ...	1017·6	*	W	5	bc	1016·7	0	64	−4	-	0	*	c	1	-	77	64				
	,, (P. Delgada)	1016·6	*	WNW	3	c	1016·8	0	68	−2	NNW	2	*	bc	3	-	75	68				
	Madeira	1018·4	72	SE	1	r	1020·2	−2	66	0	W	1	-	b	1	-	77	66				
	Gibraltar	1017·3	70	NW	4	b	1017·3	*	65	−3	W	3	*	b	2	-	81	63				
	Palma																					
MEDITERRANEAN.	Algiers																					
	Malta	*	*	*	*	*	1016·3	+1	77	+2	-	0	-	b	0	-	93	75				
	Salonica	1013·8	74	SE	2	b	1014·3	+2	73	+3	NW	1	-	c	*	-	87	64				
	Athens																					
	Candia																					
	Limassol	*	*	*	*	*	1011·4	+1	77	−2	-	0	-	b	0	-	86	61				
	Alexandria ...	1015·1	77	N	2	b	1015·4	+1	77	−2	N	3	N	b	2	-	88	75				
	Cairo (Helwan) ...	1013·1	82	N	2	b	1014·7	+2	75	−2	N	2	-	bc	*	-	90	68				
	Jerusalem ...	*	70	NW	3	b	†	+2	66	−2	NNW	2	-	o	*	-	84	61				
	Ramleh	1012·0	77	NW	1	b	1014·0	+1	79	−2	-	0	-	o	*	-	91	68				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

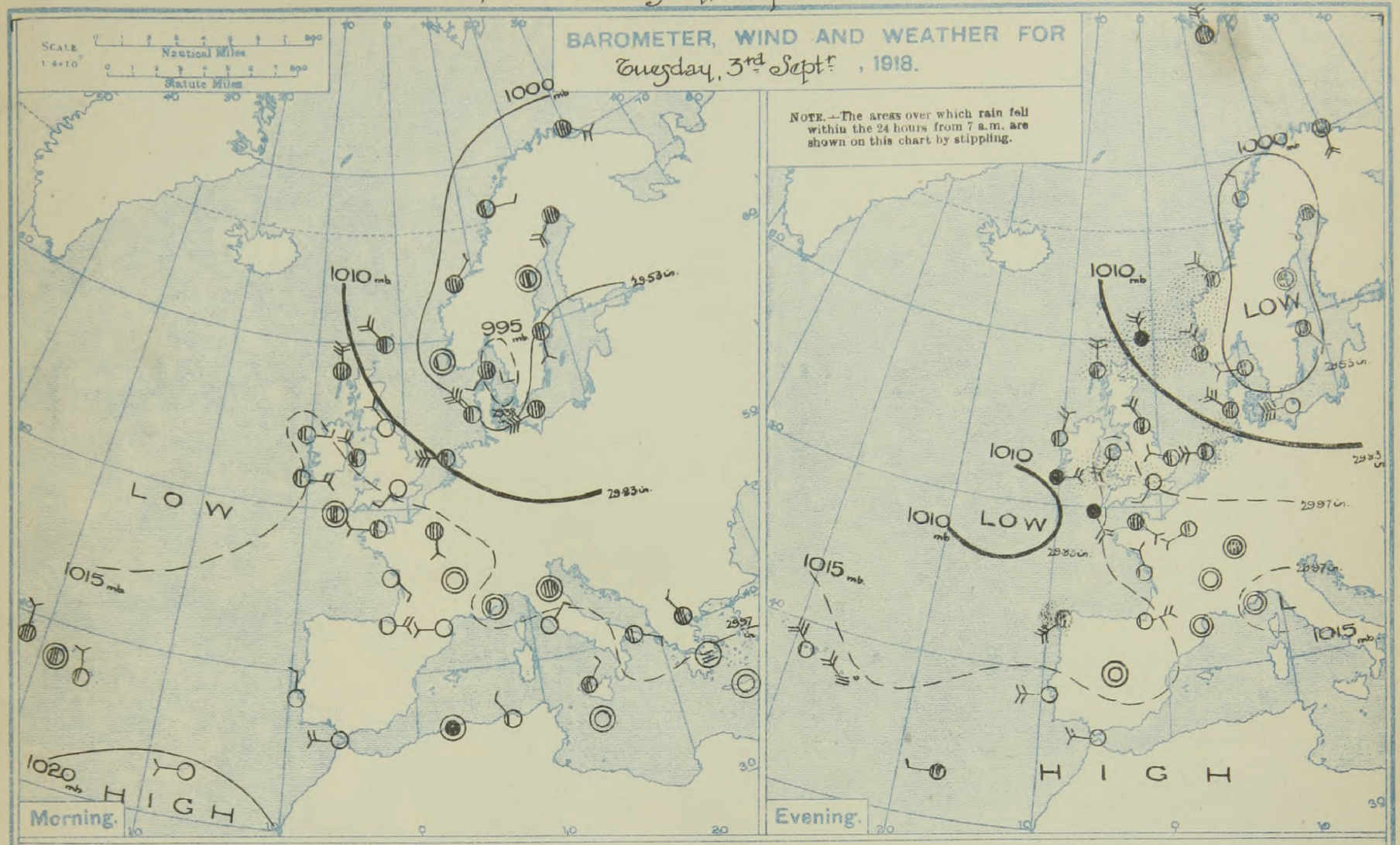
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20,740. Wednesday, 4th September, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF Tuesday 3rd September 1918

	STATIONS.	Evening of 2nd: Barom. Millibars at M.S.L.	Temp.	Wind: Direc.	Wind: Force 0–12.	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.	Archangel ...														*	
	Petrograd ...															
	Moscow														*	
SWEDEN.	Hernösand ...	999·8	52	SE	2	c	999·2	*	50	−2	–	0	c	*	*	*
	Stockholm ...	1002·4	55	S	2	c	1000·8	*	57	+2	S	2	c	*	*	*
	Wisby	1005·0	55	SW	4	bc	1002·8	*	55	+1	SSW	2	c	*	*	*
ITALY.	Venice						1014·6	*	66		NNW	1	c	4	70	61
	Turin	1012·9	66	–	0	bc	1015·1	*	63		–	0	0	3	70	62
	Pesaro	1012·7	72	S	2	b	1015·4	*	73		NW	2	0	–	77	64
	Leghorn ...						1014·9	*	71		–	0	bc	6	79	66
	Rome	1014·5	73	–	0	bc	1016·3	*	70		NE	1	b	8	79	66
	Viesti	1012·7	70	–	0	b	1014·6	*	70		–	0	0	trace	79	63
	Brindisi						1014·5	*	75		ESE	1	bc	–	84	73
	Cagliari						1014·1	*	64		SSW	4	b	–	84	61
	Palermo	1013·8	79	–	0	c	1015·9	*	72		NE	1	c	–	82	61
	Tripoli						1017·7	*	90		WSW	1	b	–	90	79

ICELAND.	Morning of 3rd: 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						

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

4th–5th Septr. 1918.

	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·9	11·52	6·35
	5·11	11·52	6·32
Greenwich	5·18	11·59	6·40
	5·20	11·59	6·37
Wick	5·19	12·11	7·3
	5·21	12·11	7·0
Valencia	5·58	12·40	7·22
	6·0	12·40	7·19

LONDON, 4th September, 9h. G.M.T.	Humidity. 15 h. 3rd	Humidity. 9 h. 4th	Sunshine for 3rd	24 Hours ended 9 h. 4th: Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	46	83	11·2	71	52	39	0·3	c.bc	bc	bc.b.c.op
CITY (Bunhill Row)	*	*	10·7	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	60	92	11·5	68	53	47	0·3	*	*	*
" (Roof near Charing Cross) ..	61	84	10·7	68	55	*	trace	b3.bc	bc	*
CAMDEN SQ. (British Rainfall)	50	81	8·4	70	53	47	0·3	b	b.bc	*
KENSINGTON PALACE	50	86	11·0	68	53	42	0·4	b	b	*

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during .. 3rd .....

Total.	Average Rate	Max. Rate
Joules.	Milliwatts.	Milliwatts
1510	31·2	75

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‡ The barometric change is expressed in half-millibars.

4th SEPT., at 1h. G.M.T. — THE MORNING OF WEDNESDAY, 4th SEPTEMBER 1918, at 7h. G.M.T.

HIGH
LOW
1010 mb
1015 mb
1015 mb
1020 mb
LOW
HIGH
1000 mb
1005 mb.
1010 mb
1015 mb
Barometer rising slowly
HIGH
Barometer rising
Barometer falling
LOW
Bar steady
1010 mb
1005 mb
LOW
1010 mb
1015 mb
HIGH
1020 mb
1020 mb
HIGH

EXPLANATION.

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

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

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

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

WEATHER.—Shown by the following symbols:—

clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. mist. thunder. thunderstorm.

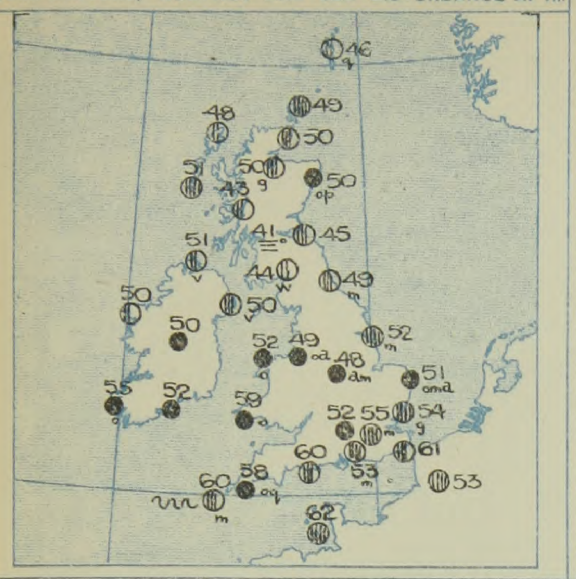
SEA DISTURBANCE.—Rough High

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 SEPTEMBER.



GALES.

Notes on the Weather of the 24 hours ended 7h Today.

Weather became rainy during the afternoon in the south-west and considerable falls occurred locally. (32mm at Roche's Point) Showers also ocurred in the North of Scotland. In other districts weather was fair or fine, eleven hours of bright sunshine being recorded in SE and NW England, Air temperature was rather higher than of late and rose to 69° at South Farnborough.

The Conditions at 7h To-day.

The depression in the south-west, the approach of which was indicated by mid-day observations yesterday is now centred to the south of Ireland, and is already affecting the whole of our southern districts. Winds are freshening from between south and south-west and rain is falling at many stations.

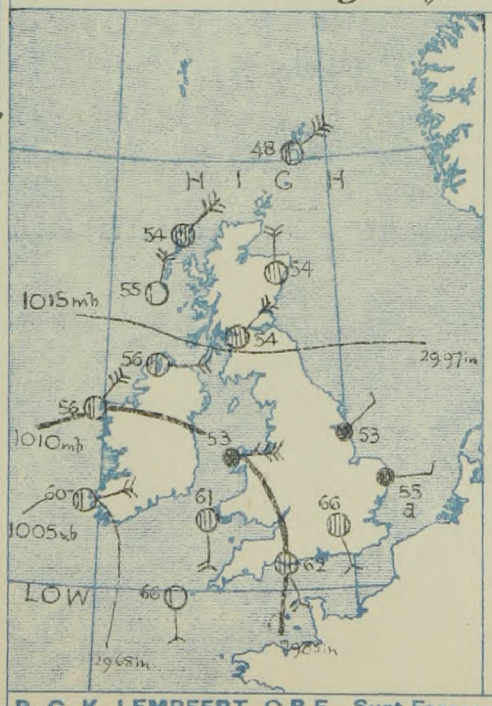
Other depressions lie over Scandinavia. Pressure is high at the Azores and to the North-west of Scotland Fresh north-east winds are blowing over our Northern districts, where weather is fair or cloudy.

The Outlook.

The depression in the South-west will most likely move eastward across southern England or up the Channel. Unsettled rainy weather is probable over England, Ireland and Northern France.

E.G.B.

Wednesday, 4th SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



The eastward movement of the depression is now checked. It is causing generally unsettled weather over England with rain at many stations.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn.

H. G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 247. Wednesday, 4th September

	STATIONS.	EVENING OF 3rd					MORNING OF 4th									24 HOURS ENDED 7 h. 4th						Sunshine for 3rd
		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 ...	1008·3	47	NNW	4	omr	1013·2	+3	46	-1	NE	7	NE	bcq	4	5	49	43	omr	omr	cqp	
	Deerness (Orkney)	1008·8	48	WNW	4	cp	1014·5	*	49	+1	N	5	-	o	4	3	53	47	op.c	cp.c	cp o	0·3
	Stornoway ...	1013·1	49	N	4	c	1017·1	+2	48	-1	NNE	5	-	bc	4	3	52	46	c.op	o.cp	c.bcp	2·3
	Castlebay (Barra Isd.)	1014·2	52	NW	4	o	1016·2	o	51	o	NNE	4	-	o	4	0·2	54	48	op.c o	o	o.bc.bo	0·9
	Glasgow ...	1012·4	52	W	2	og	1014·5	+2	41	-5	-	o	-	m	*	-	58	40	bc.c.o	o	o.c.bfx	5·0
	Eskdalemuir ...	1012·7	51	W	2	ov	1013·8	+2	44	+4	NE	1	W	bcw	*	-	58	38	bc.bz.c	oz, cy, o	ov.c.bc	5·7
	Malin Head ...	1013·9	52	NNW	3	cg	1013·4	+2	51	-2	NNE	4	NE	bcv	4	1	56	48	cg	cp	bcv	
	Blacksod Point	1014·6	55	NNE	3	bcv	1010·5	o	50	o	NE	5	NE	bc	4	-	59	49	bcz	bcv	bc	
	Valencia (Cahirciveen)	1011·1	58	E	4	r	1003·2	-2	55	+4	E	5	-	or	4	14	60	51	bc.c.o	o.r	or	1·3
	Roche's Point	1013·6	56	E	3	r	1005·4	*	52	+4	E	4	-	r	4	32	60	48	b bc.d	o.r	r	*
	Birr Castle ...	1013·8	59	SE	1	c	1009·2	*	50	+7	NE	1	-	r	*	7	64	42	c.bc	bc.c	c.or	8·3
	Donaghadee ...	1013·7	58	NNW	2	bcz	1011·8	o	50	-1	NE	3	NE	cv	3	-	61	49	bcq, bc	bcm	cgm.cg	*
	Liverpool (Bidston)	1014·4	56	WNW	3	b	1012·3	o	49	-5	SSE	1	-	od	1	1	58	48		b	c.or	11·2
	Holyhead ...	1015·3	56	SW	3	b	1010·9	-1	52	-2	ENE	4	-	or	2	4	61	51	c bc.b	b	b or	10·8
	Pembroke (St. Ann's)	1015·6	58	SE	1	o	1007·8	-3	59	+3	SE	3	-	or	4	10	62	54	bc	bc.c.o	o or	9·8
	Hartland Quay	1015·7	60	NW	1	og	1008·3	-2	58	o	S	4	-	odm	4	1	64	56	bc.b	bcv.ov	od.orm	*
	Scilly (St. Mary's)	1014·1	00	SSE	4	op	1007·1	-3	60	+4	S	4	SW	cm	5	8	62	55	cv	cv.c.op	cpqm	0·1
	Falmouth ...	1015·4	59	SSE	3	ov	1008·3	-3	58	+8	S	5	-	orq	*	1	64	7.50	bc.c	cv.ov.p	odq	5·6
	Jersey (St. Aubin)	1016·3	60	WSW	3	c	1012·4	*	62	+4	SE	3	-	o	3	-	67	57	bc.b	bc.c	o	8·2
	Portland Bill ...	1017·1	62	ESE	2	og	1011·2	-1	60	+2	S	4	SW	c	3	-	62	57	bc.b	b.o	c bc	*
	Dungeness ...	1016·1	61	WSW	4	b	1013·6	-1	61	+7	SSW	2	SW	c	2	-	67	54	bc	bc	bc.c	*
	Wick	1009·3	47	NW	4	cpm	1014·5	+4	50	+1	N	4	-	c	3	5	52	45	og.opm	o.cpm	omr.pq	*
	Nairn	1010·8	49	NNW	2	cg	1014·5	*	50	o	N	2	-	cg	2	2	55	45	og.c	cp	cpg	0·1
	Aberdeen ...	1010·2	51	WNW	4	c	1013·1	+3	50	o	N	4	-	op	3	0·4	56	45	bc.c.op	op.c	c.b.op	0·8
	Leith	1010·9	55	SW	2	c	1013·3	+1	45	-3	WSW	1	W	c	2	-	61	43	bcz.c.o	o.c.bcc	c.oz.c	*
	Tynemouth ...	1011·1	57	NW	3	cm	1012·6	+1	49	o	NW	2	-	cm	2	-	61	47	cm	cm	bm.cm	*
	Spurn Head ...	1012·5	60	WNW	4	bc	1012·5	o	52	o	W	2	-	ow	4	-	61	49	bc	bc	c.ome	9·7
	Yarmouth (Gorleston)	1014·0	64	WNW	2	bc	1014·1	o	51	+4	WNW	2	-	odm	2	-	67	47	bc	bc	bc.om	9·7
	Clacton-on-Sea	1014·8	65	W	2	by	1014·1	o	54	+3	WNW	1	-	og	1	-	68	50	bcy	bc.by	b.bc.og	11·8
	Nottingham ...	1013·8	60	WNW	2	b	1013·6	*	48	-2	SE	1	-	dm	*	1	65	45	b.bc	bc	bm	11·0
	Benson (Oxon.) ...	1014·8	60	SW	1	b	1012·1	-2	52	+2	-	o	-	or	*	2	67	47	bc	b	b.bc.r	*
	Sth Farnborough	1015·8	61	SW	4	o	1013·3	-1	53	+2	ESE	2	-	om	*	0·1	69	51	bcy	cy.bc.o	obc.om	10·8
	Salisbury Plain	1017·1	58	WSW	2	c	1012·0	-2	55	+5	SE	2	SW	o	*	0·2	66	50	b.bc.c	bc.c	bc.c.od	9·0
	London (Kew Obsy.)	1015·3	64	SW	1	by	1013·5	-1	55	+5	ESE	1	-	om	*	0·1	67	50	bmw.by	bcv.by	b.bc.om	11·3
NORTHERN EUROPE.	Spitsbergen ...	993·0	36	N	5	o	997·2	o	37		SE	1	*	o	*	*	37	32				
	Vardö	997·9	46	S	4	o	999·2	o	46	o	N	2	-	c	2	*	50	45				
	Bodö	998·6	52	N	1	b	999·0	+1	46	o	N	4	-	c	2	?	54	43				
	Christiansund ...	1003·1	52	NW	4	c	1008·0	+3	48	-6	NW	4	-	o	2	4	54	46				
	Skudesnaes ...	1003·5	54	NNW	3	c	1003·6	o	52	o	NNW	1	-	o	2	1	57	50				
	Færder (Christiania Fjord)	999·2	57	WSW	2	b	1001·8	+1	54	+4	NE	1	-	o	3	-	57	50				
	The Scaw (Skagen)	999·1	55	W	2	bc	1003·1	+1	55	+3	W	4	W	c	4	4	59	52				
	Blaavands Huk	1006·6	57	NW	5	c	1008·8	-2	54	+2	WNW	4	-	r	*	4	59	50				
	Copenhagen ...	1003·5	54	W	3	c	1000·4	+2	54	-1	W	3	-	o	*	2	59	48				
	Bornholm ...	1003·5	55	W	8	b	1008·6	+2	55	o	W	7	-	o	2	1	57	52				
FRANCE, &c.	The Helder ...	1014·0	59	W	4	bc	1013·1	o	59	+2	WSW	2	-	c	2	1	61	46				
	C. Gris Nez ...	1017·1	59	WSW	4	o	1013·8	-1	55	o	S	2	*	o	1	-	64	54				
	La Hève	1018·8	59	-	o	b	1014·2	*	59	+2	SE	3	*	bc		-	66	54				
	Brest (St. Mathieu)	1017·6	65	SSW	4	o	1009·8	-2	59	+2	SSE	4	*	c		-	70	57				
	Rochefort (Ile d'Aix)	1017·2	68	NNW	2	b	1011·6	-1	63	-3	ESE	4	*	o	*	-	79	59				
	Biarritz	1015·9	80	ENE	3	b	1012·2		75	+18	SSE	3	*	b	.	-	81	57				
	Paris	1018·6	63	WSW	2	c	1016·4	-1	52	o	-	o	-	bc	*	-	72	45				
	Belfort	1018·8	61	-	o	o	1019·4	*	57	+2	E	4	*	bc	*	-	70	46				
	Lyons	1017·4	68	-	o	b	1018·2	*	54	-5	-	o	*	b	*	-	81	48				
	Nice	1014·4	72	-	o	b	1018·2	+1	64	-4	-	o	*	b		-	72	57				
	Perpignan ...	1016·7	75	-	o	b	1015·8	+1	64	+3	-	o	-	m	*	-	82	59				
	Sanguinaire ...	1017·5	77	NW	2	m		*					*									
IBERIA, &c.	Coruna	1014·4	75	SW	5	bc	1010·7	o	61	-	SSE	3	-	r	1	4	75	61				
	Madrid	1014·0	81	-	o	b	1017·2	+1	63	-	-	o	-	b	*	-	82	57				
	Lisbon	1017·2	72	W	4	b	1017·0	+1	64	+1	SSW	2	-	c	-	-	75	63				
	Azores (Horta) ...	1017·4	*	WNW	5	b	1018·2	+1	64	o	NNW	5	*	o	3	-	73	64				
	,, (P. Delgada)	1015·8	*	WNW	4	m	1016·2	o	66	-2	NW	3	*	bc	3	-	73	66				
	Madeira	1019·2	73	W	1	c	1020·2	o	66	o	W	1	-	b	1	-	75	66				
	Gibraltar	1018·3	70	W	3	b	1018·6	*	67	+2	NW	4	*	b	2	-	78	64				
	Palma																					
MEDITERRANEAN.	Algiers																					
	Malta	*	*	*	*	*	1018·0	+4	75	-2	NW	1	-	b	1	-	88	73				
	Salonica	1012·4	78	-	o	b	1014·6	+3	76	+3	NNE	3	-	b	*	1	88	67				
	Athens																					
	Candia	1013·9	73	-	o	b	1013·4	o	77	+5	-	o	-	b	1	-	86	72				
	Limassol	*	*	*	*	*	1009·6	o	77	o	-	o	-	b	o	-	88	61				
	Alexandria ...	1014·6	77	N	3	b	1014·0	o	79	+2	NW	2	-	b	2	-	86	75				
	Cairo (Helwan) ...	1013·4	79	N	3	b	1013·9	+1	72	-3	N	2	-	b	*	-	88	66				
	Jerusalem ...	*	68	NW	4	b	*	o	66	o	WNW	2	-	b	*	-	82	59				
	Ramleh	1012·6	77	-	o	b	1013·0	+1	79	o	-	o	-	o	*	-	88	68				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

BEAUFORT NOTATION.

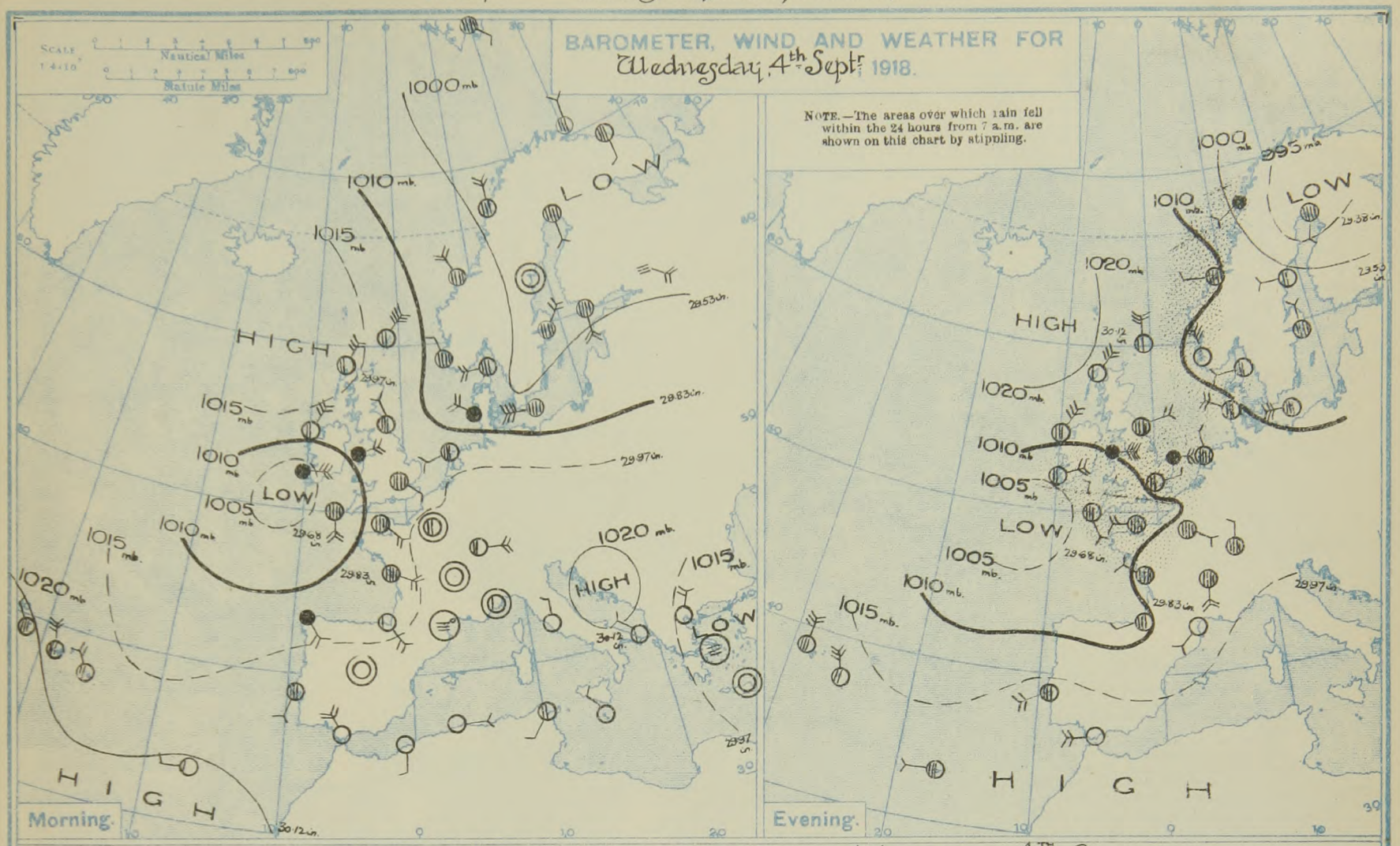
b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered.
c generally cloudy (three quarters covered).
d drizzle, or fine rain.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*,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

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. 20,741 Thursday, 5th September, 1918.

BAROMETER, WIND AND WEATHER FOR Wednesday, 4th Sept. 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF Wednesday, 4th September

	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.						
RUSSIA.	Archangel ...														*	
	Petrograd ...															
	Moscow														*	
SWEDEN.	Hernösand ...	999·6	52	-	0	C	998·3	*	52	+2	-	0	b	*	*	*
	Stockholm ...	997·9	57	SE	2	0	998·3	*	50	-7	NE	4	0	*	*	*
	Wisby	998·4	52	SW	6	C	1001·2	*	55	0	NE	6	0	*	*	*
ITALY.	Venice						1019·0	*	66	0	NE	1	0	-	75	64
	Turin						1019·1	*	64	+1	-	0	0	-	81	61
	Pesaro						1019·1	*	73	0	-	0	b	-	76	59
	Leghorn ...						1019·0	*	70	-1	-	0	b	-	79	64
	Rome						1019·0	*	66	-4	N	1	b	-	84	63
	Viesti						1020·2	*	72	+2	-	0	b	-	81	64
	Brindisi						1018·1	*	73	-2	NW	2	b	-	88	73
	Cagliari							*								
	Palermo						1019·0	*	70	-2	-	0	b	-	?	?
	Tripoli						1021·0	*	79	-11	NNE	1	b	-	96	75

ICELAND.	Morning of 4th: 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						

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

5th–6th Sept. 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·11	11·52	6·32
	5·12	11·51	6·30
Greenwich	5·20	11·59	6·37
	5·21	11·58	6·35
Wick	5·21	12·11	7·0
	5·23	12·10	6·57
Valencia	6·0	12·40	7·19
	6·1	12·39	7·17

LONDON 5th Sept. ....9h. G.M.T.	Humidity. 15 h. 4th	Humidity. 9 h. 5th	Sunshine for 4th	24 Hours ended 9 h. 5th: Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	58	90	0·4	68	57	49	11	0	0	0.0d.r
CITY (Bunhill Row)	*	*		*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	67	86	0·0	67	58	53	13	b. 0d	0d	bc. 0r
" Roof near Charing Cross ..	76	91	0·0	67	57	*	13	0m	0m	*
CAMDEN SQ. (British Rainfall)	69	56	0·2	69	56	50	14	0	0, 0r	*
KENSINGTON PALACE	79	97	0·0	67	55	46	10	0p	0	*

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

SOUTH KENSINGTON (M.O.)

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

Total.	Average Rate.	Max. Rate.
Joules. 460	Milliwatts. 9·6	Milliwatts. 35·5

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‡ The barometric change is expressed in half-millibars.

5th SEPT., at 1h. G.M.T.

THE MORNING OF THURSDAY, 5th SEPTEMBER 1918, at 7h. G.M.T.

HIGH
1020 mb
LOW
1005 mb
1010 mb
1015 mb
HIGH
1000 mb.
LOW
1005 mb.
1010 mb.
1015 mb.
1020 mb
HIGH
1015 mb
1010 mb
1005 mb
LOW
1010 mb
1015 mb
1020 mb
1005 mb
LOW
1010 mb
1015 mb
1020 mb
H
Barometer rising slowly
Barometer falling
Barometer rising slightly
50°
40°
60°
70°
29.97 in.
29.83 in.
29.68 in.
29.53 in.

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.

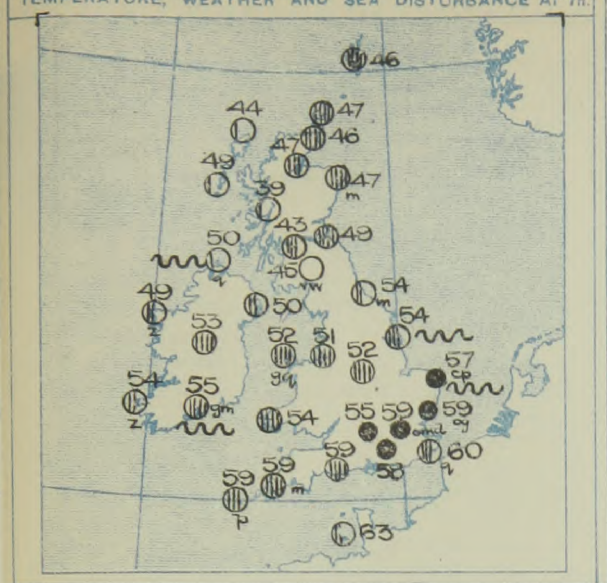
WEATHER.—Shown by the following symbols:—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder. ⊤ₕ, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ~~~

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 SEPTEMBER.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

Considerable precipitation occurred in the south of England and the Midlands, falls up to 18 mm. being reported. A thunderstorm occurred early this morning at South Farnborough. The day was almost completely sunless over the greater part of England and Ireland, but moderately good records were obtained locally in the north (Castlebay 9.1 hours, and at Scilly 9.5 hours.)

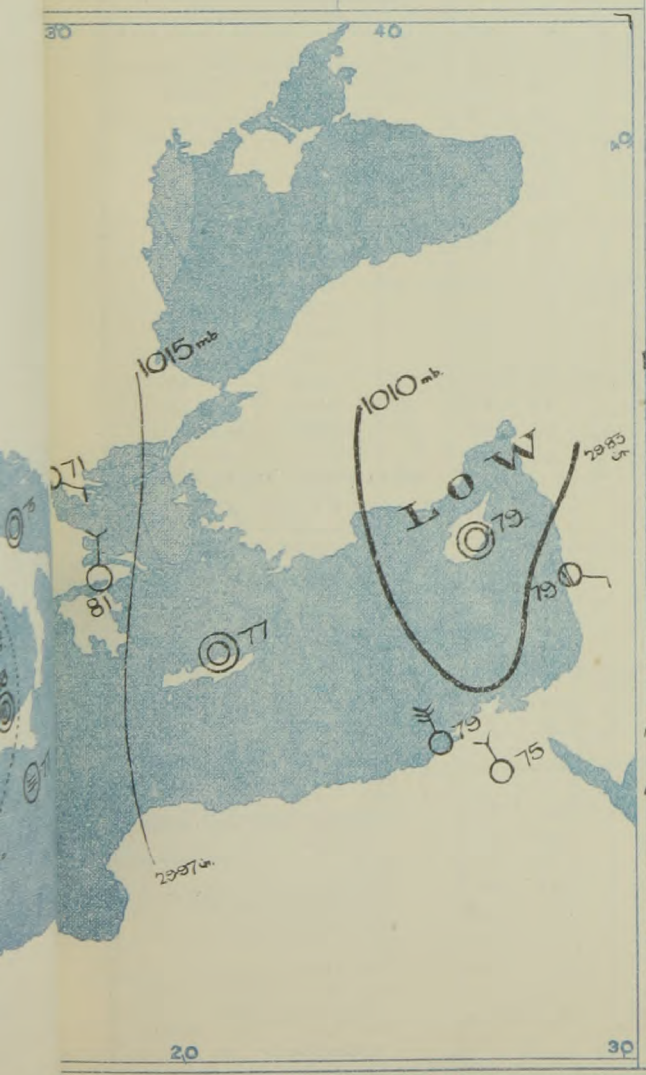
The Conditions at 7h. Today.

The depression off our south-west coasts has changed its position but slightly since yesterday. Moderate or fresh E. winds are blowing over Ireland, Southern Scotland and England. A very shallow secondary over SE. England has caused heavy rain between Salisbury and Gris Nez. Pressure remains high to the north-west of Scotland and at the Azores.

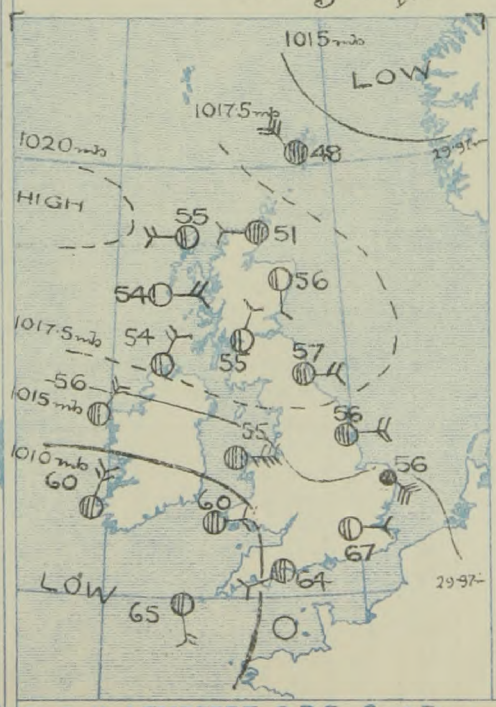
The Outlook

The barometer is rising slowly over Southern England and Northern France. At present the depression in the south-west shows no tendency to move rapidly or increase in intensity. Over the Southern half of the British Isles weather will probably remain unsettled, but with some fair intervals. Local thunderstorms are probable. In the north fair or cloudy weather with local showers is indicated.

W. H.



Thursday, 5th SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



A Westerly current associated with a depression to the North of Scotland is now blowing with moderate force in the extreme north. In the south the depression off the Mouth of the Channel remains predominant but is slowly filling up.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn.

H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 248.

THURSDAY 5TH SEPTEMBER

	STATIONS	EVENING OF 4TH					MORNING OF 5TH								24 HOURS ENDED 7 h 4TH						Sunshine for 4TH
		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 ...	1016·8	45	N	5	bc	1016·3	-2	46	0	NNW	5	-	o	4	-	48	40	bcq	bc	cm	*
	Deerness (Orkney)	1018·3	48	N	5	o	1018·3	*	47	-2	WSW	3	-	o	2	-	53	43	o.c	c.o	o	5·0
	Stornoway ...	1019·9	50	NE	5	b	1019·8	0	44	-4	N	1	-	b	0	-	54	40	bc.c	c.b	c.b	6·8
	Castlebay (Barra Isd.)	1018·1	52	NNE	5	c	1019·1	0	49	-2	NNE	2	-	b	2	-	56	46	o.c.b	bc	bc.b	9·1
	Glasgow ...	1016·6	51	E	3	o	1019·3	+1	43	+2	E	3	E	c	*	-	55	40	f.bc.c.o	o	o.b.bc.c	1·7
	Eskdalemuir ...	1016·1	49	NE	4	ov	1018·6	+1	45	+1	NE	1	-	bvw	*	1	53	38	bc.odm	od.o ov	ovc.bw	3·6
	Malin Head ...	1014·6	55	E	4	bcmq	1018·3	+1	50	-1	E	4	-	bq	5	-	56	50	bcq	bcmq	bq	8·6
	Blacksod Point	1011·0	51	NE	5	cq	1013·5	0	49	-1	NE	4	-	bcj	4	-	58	48	bcq	bcq	bc.bcq	*
	Valencia (Cahirciveen)	1005·6	59	ENE	4	bc	1007·3	+2	54	-1	ENE	3	-	bcj	3	5	63	54	or.p.bc	bc	bc	7·0
	Roche's Point	1007·2	57	E	4	o	1008·3	*	55	+3	ENE	4	-	ogrm	5	1	61	52	r.o.c	o.c.og	ogm	*
	Birr Castle ...	1009·9	54	E	1	o	1011·7	*	53	+3	E	2	-	o	*	4	56	49	o.r.c	c.o	o.c	0·0
	Donaghadee ...	1013·8	54	E	5	bcj	1016·1	+2	50	0	E	4	E	bcm	3	-	59	49	cg.bcj	bcj	bcq.bc	*
	Liverpool (Bidston)	1012·4	49	ENE	3	r	1014·2	+2	51	+2	E	3	-	og	3	9	53	49	omr	omr	omr	0·0
	Holyhead ...	1010·0	53	E	8	orqm	1012·2	+1	52	0	E	7	-	oqq	5	7	54	51	oqqm	orqm	c.opq	0·0
	Pembroke (St. Ann's)	1007·9	61	S	1	r	1009·4	+2	54	-5	ESE	4	-	o	3	2	63	54	ope	ope.p	o	1·6
	Hartland Quay	1007·8	62	SW	3	cpr	1008·7	0	57	=1	ESE	3		ourqj	2	5	68	57	om.rm.p	o.c	bc.ol	*
	Scilly (St. Mary's)	1007·1	63	SSE	2	cm	1005·6	+1	59	=1	SSE	3	SE	cpr	4	6	67	57	bcm	cm	bqutl	9·5
	Falmouth ...	1007·7	61	SSE	2	bm	1007·0	+1	59	+1	SE	3	S	om	*	13	66	58	oq.oqm	om.og.b	orfor	3·8
	Jersey (St. Aubin)	1008·6	71	W	3	o	1009·7	*	63	+1	S	3	S	bc	3	0·2	74	61	opr.bc	c.bc.o	blpr.bc	4·1
	Portland Bill ...	1008·5	63	E	1	c	1009·3	+1	59	-1	ENE	3	-	o	3	5	63	56	c	cpr	ctbr	*
	Dungeness ...	1010·4	63	ENE	3	bc	1010·1	+2	60	-1	E	4	E	cq	3	4	66	58	cpr.c	bc	c.cpq	*
	Wick	1018·2	50	N	4	o	1019·0	0	46	-4	W	2	-	o	1	-	53	42	c.o	o	o	*
	Nairn	1018·4	51	ENE	2	cq	1019·4	*	47	-3	-	0	-	c	1	-	56	45	c.bc	bc.cg	cg	2·7
	Aberdeen ...	1017·6	50	N	2	c	1019·3	+1	47	-3	NNW	1	-	om	2	0·1	55	45	opr.c	o.cy	c.bc.om	1·5
	Leith	1015·9	53	E	2	o	1018·2	0	49	+4	ENE	3	-	o	3	-	56	45	c.o	o	o.cg.o	*
	Tynemouth ...	1014·8	52	ENE	3	om	1017·2	+1	54	+5	E	3	-	bcm	3	-	58	49	cm	cm	bcm	*
	Spurn Head ...	1014·3	52	ENE	3	orm	1014·5	0	54	+3	ENE	4	-	c	5	9	54	50	orm	orm	or.cq	*
	Yarmouth (Gorleston)	1013·0	55	E	4	omr	1013·5	0	57	+6	ESE	5	-	cpr	5	12	56	50	orm	omd	omr.cpr	0·0
	Clacton-on-Sea	1011·7	60	ENE	2	cq	1012·2	+3	59	+5	ENE	4	E	ogr	3	4	63	53	ogpr.d	ogpr.r.c	c.og.r	0·0
	Nottingham ...	1013·1	50	ENE	3	or	1014·7	*	52	+4	ENE	3	E	o	*	18	52	48	r	r	r	0·0
	Benson (Oxon.) ...	1009·8	59	E	1	o	1010·1	+2	55	+3	SSE	1	-	r	*	7	62	52	od.o	or	or	*
	Sth Farnborough	1009·9	65	SE	4	bcj	1010·8	+2	58	+5	ENE	3	-	or	*	16	69	53	orm.or	r.o.bcj	bc.orlbr	0·8
	Salisbury Plain	1009·5	58	SSE	1	c	1018·3	+2	56	+1	NNE	2	NE	or	*	1	66	50	opr.od	c	bc.c.or	*
	London (Kew Obsy.)	1010·3	63	ENE	1	bcm	1011·2	+2	59	+4	NE	1	-	omd	*	7	63	58	om.d.o	qd.o.bcm	bcm.rd	0·0
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö														*							
	Bodö	1000·4	43	SW	2	r	997·6	0	43	-3	NNW	5	-	c	2	8	46	39				
	Christiansund ...	1010·4	48	W	1	o	1007·1	+1	50	+2	W	5	-	o	4	6	50	46				
	Skudesnaes ...	1008·3	54	NNW	5	b	1013·1	+2	50	-2	N	4	-	o	2	2	57	48				
	Færder (Christiania Fjord)	1005·5	55	NNW	2	bc	1008·8	-1	52	-2	WSW	2	NW	b	2	2	55	48				
	The Scaw (Skagen)	1003·6	55	WSW	2	bc	1009·4	+2	55	0	S	1	-	b	1	-	61	50				
	Blaavands Huk	1011·1	55	WNW	4	c	1013·6	+1	55	+1	NW	3	-	c	*	1	57	52				
	Copenhagen ...	1008·2	54	W	3	c	1010·7	+3	54	0	W	3	-	c	*	4	57	50				
	Bornholm ...	1007·9	55	W	6	c																
FRANCE, &c.	The Helder ...	1013·8	55	NNW	1	o	1014·6	+1	57	-2	ENE	3	W	b	1	3	63	52				
	C. Gris Nez ...	1011·4	63	E	2	c	1012·6	+2	57	+2	ESE	2	*	r	2	3	66	55				
	La Hève	1010·6	68	E	4	o	1012·7	*	63	+4	S	2	*	bc		Trace	77	61				
	Brest (St. Mathieu)	1009·2	64	SSE	4	c	1009·1	+3	61	+2	S	4	*	b		4	70	50				
	Rochefort (Ile d'Aix)	1011·5	68	NW	2	o	1011·6	+1	63	0	ESE	3	*	o	*	1	79	61				
	Biarritz	1009·0	75	WSW	1	c	1012·7	+1	70	-5	SE	1	*	c		-	79	66				
	Paris	1011·2	73	ESE	2	o	1013·0	+2	61	+9	-	0	-	o	*	1	79	52				
	Belfort	1014·3	64	N	1	o	1016·2	*	64	+7	W	6	*	o	*	-	79	55				
	Lyons	1013·0	75	S	4	bc	1014·4	*	70	+16	SW	4	*	bc	*	-	86	66				
	Nice												*									
	Perpignan ...	1012·2	77	SW	2	b	1014·0	+1	66	+2	SW	1	-	b	*	-	81	57				
	Sanguinaire ...	10184	73	NW	2	b	1017·1	*	70		NW	2	*	b		-	*	*				
IBERIA, &c.	Corunna																					
	Madrid														*							
	Lisbon	1015·1	66	WSW	4	c	1015·2	+1	64	0	W	1	-	o	4	-	72	64				
	Azores (Horta) ...	1019·1	*	N	5	c	1019·0	0	63	-1	NNW	4	*	o	2	-	70	63				
	,, (P. Delgada)	1016·7	*	NW	5	bc	1017·5	-1	66	0	NW	1	*	c	3	-	72	?				
	Madeira	1018·2	75	W	2	c	1019·2	0	70	+4	WNW	2	-	bc	2	-	77	68				
	Gibraltar	1018·3	70	W	4	b	1017·3	*	67	0	NW	4	*	b	1	-	81	65				
	Palma																					
MEDITERRANEAN.	Algiers																					
	Malta	*	*	*	*	*	1019·4	+2	77	+2	-	0	-	bc	*	-	84	70				
	Salonica	1016·1	77	SE	1	b	1017·7	+3	71	-5	SE	1	W	bc	0	-	94	68				
	Athens	1015·8	77	-	0	b	1016·2	+1	81		NNE	2	-	b	1	-	93	72				
	Candia	1011·2	75	-	0	b	1013·8	0	77	0	-	0	N	b	1	-	86	72				
	Limassol	*	*	*	*	*	1008·7	+1	79	+2	-	0	-	b	0	-	88	64				
	Alexandria ...	1012·3	77	NNW	2	b	1011·5	0	79	0	N	5	-	b	1	-	88	75				
	Cairo (Helwan) ...	1011·5	82	N	2	b	1011·5	+1	75	+3	N	2	-	b	*	-	90	70				
	Jerusalem ...	?	68	WNW	4	b	?	?	66	0	WNW	2	-	b	*	-	82	57				
	Ramleh	1011·1	75	-	0	b	1011·0	+1	79	0	SE	1	-	bc	*	-	88	64				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

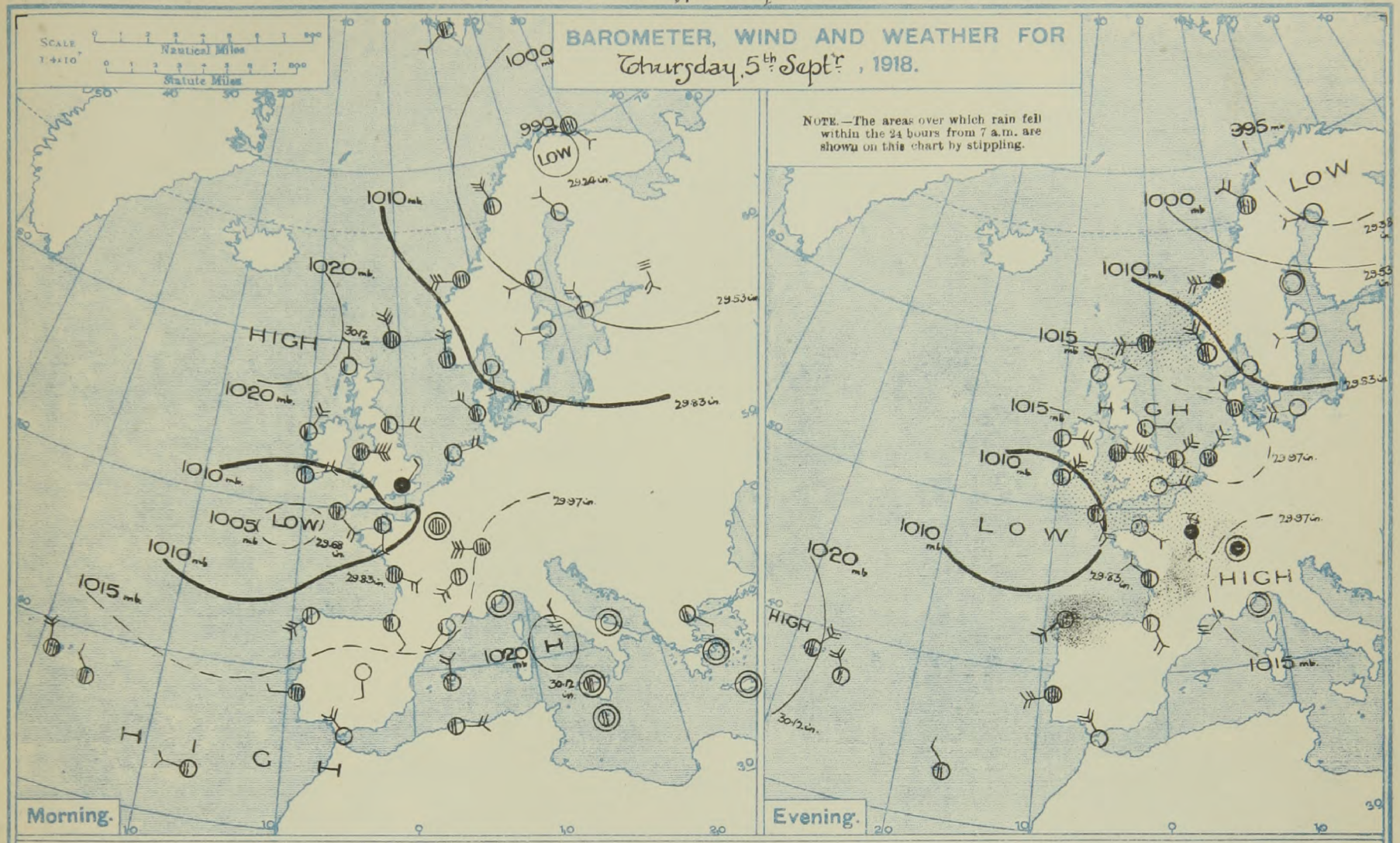
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20,742. Friday, 6th September, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF THURSDAY, 5TH SEPTEMBER.

	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.	Archangel ...														*	
	Petrograd ...															
	Moscow														*	
SWEDEN.	Hernösand ...						998·4	*	59	+7	WSW	4	bc	*	*	*
	Stockholm ...						1006·3	*	57	+7	W	2	b	*	*	*
	Wisby						1006·2	*	51	+6	NW	4	b	*	*	*
ITALY.	Venice						1018·1	*	70	+4	S	1	b	3	73	66
	Turin	1017·7	68	-	0	b	1018·5	*	66	+2	-	0	b	-	77	63
	Pesaro	1019·7	78	-	0	b	1019·0	*	75	+2	-	0	b	-	77	66
	Leghorn ...	1019·1	75	-	0	b	1018·6	*	77	+7	-	0	b	-	79	64
	Rome	1019·7	?	?	?	?	1020·2	*	64	-2	N	1	f	-	81	64
	Viesti	1019·7	78	-	0	b	1019·0	*	75	+3	-	0	b	-	77	61
	Brindisi						1018·1	*	72	-1	NW	2	b	-	75	66
	Cagliari							*								
	Palermo	1018·6	75	-	0	b	1019·5	*	68	-2	-	0	c	-	88	63
	Tripoli						1020·7	*	79	0	ESE	2	b	-	88	75

ICELAND.	Morning of 5th: 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						

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

6th and 7th Sept. 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·12	11·51	6·30
	5·14	11·51	6·28
Greenwich	5·21	11·58	6·35
	5·23	11·58	6·33
Wick	5·23	12·10	6·57
	5·26	12·10	6·54
Valencia	6·1	12·39	7·17
	6·3	12·39	7·15

LONDON 6th Sep. 9h. G.M.T.	Humidity. 15 h. 5th: %	Humidity. 9 h. 6th: %	Sunshine for 5th: Hours.	24 Hours ended 9 h. 6th: Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	84	96	1·7	68	57	52	5	o	o.c.tlr	o.or f
CITY (Bunhill Row)	*	*	0·8	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	79	89	0·8	68	59	56	9	bc.o	p.or	or mc
" (Roof near Charing Cross)	91	94	0·8	67	59	*	8	om.c	og.tlr	*
CAMDEN SQ. (British Rainfall)	82	93	0·8	69	58	54	5	o	o.or	*
KENSINGTON PALACE	86	94	0·9	69	58	58	8	or.o	c.o.tlr	*

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 5th:

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
470	9·9	52·5

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‡ The barometric change is expressed in half-millibars.

6th SEPT., at 1h. G.M.T.

1010 mb LOW 29.83 in. 48
1015 mb 47 29.97 in. 40
H 52 A1 G H 54
1015 mb 53 29.97 in. 56
1010 mb 56 59 61 29.97 in.
59 570
LOW 60 57
29.83 in. HIGH
1015 mb

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 ≈≈.

THE MORNING OF FRIDAY, 6TH SEPTEMBER 1918, at 7h. G.M.T.

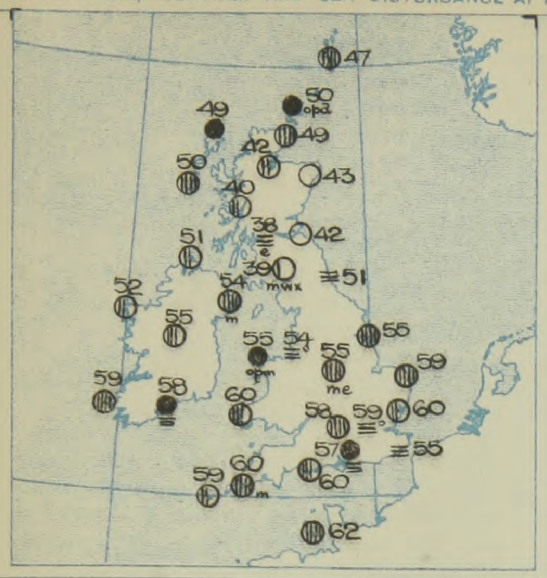
40 30 20 10 0 10 20 30 40 50 60

995 mb 45 LOW
1000 mb 29.38 in.
1005 mb 50 29.53 in.
1010 mb. 47 52 29.63 in.
Barometer 49 50 55 29.83 in.
1015 mb 40° 43 steady 54 52
50° 54 H I G H
51 51
1015 mb 52 55 59 55 29.97 in.
Barometer 52
1010 mb. 58 59 59
59 rising 62 57 29.97 in.
L O W 60° 61 slowly 57
29.83 in. 63 53 70
1010 mb. H I G H
1015 mb. 70 70 64 70 73 66 70 70°
1020 mb
32 64
H I G H
69
68 30.12 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 SEPTEMBER.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

Weather continued unsettled, rain falling in the Southern and Western districts. Thunder occurred in many localities; in the London area a thunderstorm during the afternoon was accompanied by violent hail locally. Over eleven hours of sunshine were registered in the north of Ireland and west of Scotland. Temperature exceeded 70° at one or two stations in the south, but fell as low as 33° during the night at Eskdalemuir.

The Conditions at 7h. Today

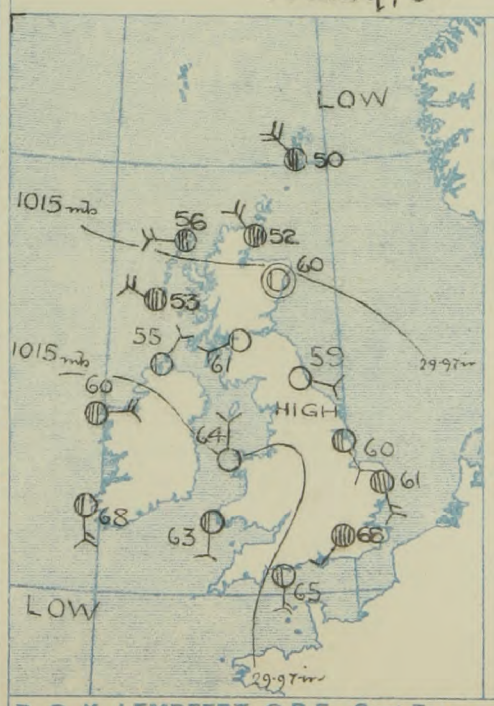
The depression off our south-west coasts continued to fill up slowly and winds have become light except in the extreme north of Scotland where there are fresh W. to NW. winds forming part of the circulation associated with a depression over Northern Scandinavia. A belt of high pressure extends from the west of Scotland to the Netherlands. Rain is falling at Stornoway and Skudesnaes and drizzle or showers at a number of stations in the south of England and Ireland. Much mist or fog prevails.

The General Outlook

There are no indications of any definite change in the type of distribution. Weather over the British Isles will probably continue of an unsettled character but fair intervals of considerable duration are probable.

E.G.B.

Friday, 6th SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



This morning's inference is confirmed.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn.

H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 249

FRIDAY 6TH SEPTEMBER.

	STATIONS.	EVENING OF 5TH				MORNING OF 6TH								24 HOURS ENDED 7 h 5TH						Sunshine for 5TH
		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 ...	1012·7	47	W	5	o	1010·3	0	47	+1	WNW	5	-	om	4	0·3	49	43	o	od	omd	*
	Deerness (Orkney)	1015·2	49	W	4	o	1012·5	*	50	+3	W	5	-	opd	4	1	50	47	o	o	opd	0·0
	Stornoway ...	1017·6	50	NW	3	b	1014·9	0	49	+5	WSW	2	-	r	1	0·4	56	43	b.bc	bc.b	o.bcdjp	0·4
	Castlebay (Barra Isd.)	1018·2	53	NW	4	b	1016·7	0	50	+1	?NW	1	-	o	1	-	55	46	b	b	b.o	11·5
	Glasgow ...	1017·1	52	ENE	2	bz	1016·6	0	38	-5	-	0	-	fc	*	Trace	57	36	b.bc	bc.bz	bz.b.fx	7·1
	Eskdalemuir ...	1017·0	50	E	2	bz	1016·6	0	39	-6	-	0	-	bmwx	*	-	56	33	b.r.w.ey	b.ey.by	bz.cw.b	10·9
	Malin Head ...	1017·0	53	NNE	3	b	1015·0	+1	51	+1	NNE	3	-	bc	2	-	56	50	bc	b	bc	11·3
	Blacksod Point	1013·9	55	E	4	bcy	1014·5	0	52	+3	ENE	3	-	bcgz	3	-	58	50	bcz	bcz	cgz	
	Valencia (Cahirciveen)	1008·7		ENE	4	bc	1009·9	+1	59	+5	ENE	3	SE	o	3	1	61	54	bcz	bcz	c.op	7·5
	Roche's Point	1010·1	57	E	4	omg	1011·1	*	58	+3	SSE	2	-	ofd	4	14	59	55	d.om	omg	ogp.fd	*
	Birr Castle ...	1012·9	56	E	2	m	1013·3	*	55	+2	NE	2	-	c	*	-	58	52	oz	oz	z.c	0·0
	Donaghadee ...	1015·5	56	NE	2	bz	1015·5	+1	54	+4	E	2	-	om	2	-	60	49	bcm.bz	bz	bcm.o	*
	Liverpool (Bidston)	1014·3	54	E	3	o	1014·4	+1	54	+3	E	2	-	m	0	3	55	51	omp	omp	omf	0·0
	Holyhead ...	1012·8	56	E	6	omg	1013·9	+1	55	+3	E	2	-	opm	0	1	57	51	omg	o.c.om	o.c.b.op	0·4
	Pembroke (St. Ann's)	1010·6	61	E	3	c	1012·6	+1	60	+6	ESE	3	E	c	3	2	62	54	cp.c	c	o.cp	0·4
	Hartland Quay	1010·4	63	S	3	r	1013·0	0	60	+3	SE	3	-	odpm	2	10	64	56	rmp.or	orm.or	b.odm	*
	Scilly (St. Mary's)	1008·6	62	SSE	4	cm	1012·3	+2	59	0	SSE	2	SW	bc	4	9	67	58	cm r	cm	cp.bc	4·8
	Falmouth ...	1010·4	62	SSE	3	ogm	1012·8	+3	60	+1	SSW	3	-	om	*	8	65	58	og.or.c	or.cgq	o.bc.or	3·7
	Jersey (St. Aubin)	1011·9	68	SE	2	b	1015·4	*	62	-1	S	3	-	o	3	4	73	54	bc.b	b	b.or.o	9·5
	Portland Bill ...	1011·5	63	-	0	bc	1014·1	+2	60	+1	S	2	-	c	3	4	66	58	bcp	bcp	cp	*
	Dungeness ...	1012·8	64	SSW	2	b	1014·7	+1	55	-5	N	2	-	f	2	-	68	53	c.bc	bc	c.bf	*
	Wick	1016·4	50	WNW	2	o	1013·8	0	49	+3	W	2	-	o	1	-	53	39	o	o	b.omq	*
	Nairn	1015·9	54	-	0	bc	1015·5	*	42	-5	-	0	-	bc	1	-	60	36	c.bc.b	b.bc	bcx	9·5
	Aberdeen ...	1016·9	50	S	2	b	1015·8	0	43	-4	-	0	-	bm	2	-	57	38	o.cy	bcy.b	bwm	5·1
	Leith	1016·9	53	ENE	2	b	1015·9	0	42	-7	SW	1	-	bz	1	-	56	39	o.c.bc.b	b	b.bwzb	*
	Tynemouth ...	1017·4	53	E	2	bc	1015·9	0	51	-3	-	0	-	f	2	-	58	49	cm	bc	bm.f	*
	Spurn Head ...	1015·8	55	ESE	3	ov	1015·4	0	55	+1	SE	1	-	fo	4	-	56	53	cq	c.oq	ov	0·0
	Yarmouth (Gorleston)	1014·9	58	ESE	5	c	1015·7	+2	59	+2	ESE	2	-	o	2	3	59	56	cp.or	or.c	c.o	0·0
	Clacton-on-Sea	1014·0	60	ENE	3	oq	1015·4	+1	60	+1	N	2	w	bcm	1	4	63	58	og.r.c.o	oq	o.c.bcm	1·4
	Nottingham ...	1015·4	53	ENE	3	d	1015·4	*	55	+3	E	1	-	ome	*	4	55	52	op.	d.o	od	0·0
	Benson (Oxon.) ...	1012·4	61	E	1	o	1014·5	+2	58	+3	-	0	-	o	*	2	65	55	ogt	otr	r.om	*
	Sth Farnborough	1012·8	61	ENE	3	o	1015·2		57	-1	-	0	-	ofd	*	2	71	57	om.c.o	ot.om	r.bcfr.fd	2·9
	Salisbury Plain	1012·5	64	SSW	1	of	1015·2	+2	55	-1	SE	1	-	fc	*	6	65	31	or.tbr	op.d.o	od.c.fc	*
	London (Kew Obsy.)	1013·0	61	E	3	bcm	1015·3	+1	59	0	ESE	1	-	bf	*	6	61	58	omd.c.bc	bc.otbr.bcm	om.rbof	0·9
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö														*	*						
	Bodö	997·2	43	NW	3	o	992·3	-1	45	+2	NNW	5	-	c	2	*	41	39				
	Christiansund ...	1005·5	52	W	6	o	1001·4	+3	50	0	W	5	-	o	2	15	52	48				
	Skudesnaes ...	1013·4	52	NW	4	c	1009·4	-3	50	0	NW	4	-	r	3	2	52	48				
	Færder (X'tiania Fjord)	1006·8	57	SSW	2	b	1004·6	+1	52	0	W	3	-	o	2	-	59	52				
	The Scaw (Skagen)	1008·6	54	WSW	2	b	1006·6	-1	55	0	W	6	-	b	6	-	63	52				
	Blaavands Huk	1015·2	54	NNW	2	o	1016·3	0	54	-1	NW	3	-	o	*	-	59	52				
	Copenhagen ...	1012·8	57	W	3	b	1012·7	0	54	0	W	3	-	o	*	-	61	52				
	Bornholm ...	1012·8	57	W	4	b	1012·6	+1	52		W	4	-	o	1	-	57	52				
FRANCE, &c.	The Helder ...	1015·9	57	NE	4	o	1016·3	+1	55	-2	ENE	1	SW	b	0	-	59	54				
	C. Gris Nez ...	1013·4	64	NE	1	b	1013·6	+1	59	+2	ENE	1	*	c	0	3	70	57				
	La Hève	1013·4	68	NE	2	bc	1017·4	*	61	-2	WSW	2	*	c	2	?	77	59				
	Brest (St. Mathieu)	1011·9	64	S	4	b	1014·4	+2	61	0	S	3	*	c	5	-	68	61				
	Rochefort (Ile d'Aix)	1012·0	68	NW	2	c	?	+3	63	0	E	3	*	bc	*	-	79	59				
	Biarritz	1012·3	70	SSE	3	bc	1015·9	+2	70	0	SSE	3	*	b	3	6	75	66				
	Paris	1013·5	72	S	2	tbr	1016·6	+2	57	-4	-	0	-	bc	*	3	79	55				
	Belfort	1016·8	61	-	0	r	1017·9	*	57	-7	-	0	*	r	*	5	73	57				
	Lyons						1017·2	*	53	-17	-	0	*	b	*	17	86	59				
	Nice						1016·4	0	70		-	0	*	b	0	-	81	59				
	Perpignan ...	1012·7	73	NE	1	m	1017·6	+3	64	-2	SW	1	-	b	*	Trace	82	59				
	Sanguinaire ...	1017·0	72	NW	2	b	1016·8	*	73	+3	E	2	*	bc	2	-	90	64				
IBERIA, &c.	Corunna	1012·7	70	SW	4	c	1015·2	+2	70		S	3	-	c	2	2	77	61				
	Madrid														*							
	Lisbon	1016·2	72	WSW	5	o																
	Azores (Horta) ...	1020·4	*	NE	4	c	1021·6	+1	63	0	N	4	*	o	2	-	70	63				
	,, (P. Delgada)	1017·1	*	WNW	4	bc	1019·5	+1	64	-2	N	2	*	c	2	-	72	61				
	Madeira	1018·7	77	NW	1	bc	1020·4	0	68	-2	NW	2	-	bc	2	-	79	68				
	Gibraltar	1019·3	72	NW	4	b	1016·6	*	69	+2	W	4	*	b	1	-	83	66				
	Palma																					
MEDITERRANEAN.	Algiers	1014·0	77	NNE	3	o	1018·8	+3	77		WSW	3	-	bc	2	*	86	73				
	Malta	*	*	*	*	*	1018·8	+2	77	0	WSW	1	-	m	*	-	90	73				
	Salonica	1016·1	75	SSE	1	b	1017·5	+2	73	+2	NW	1	-	bc	0	-	90	67				
	Athens																					
	Candia	1015·8	77	NW	1	b	1013·9	0	79	+2	NW	1	E	b	2	-	82	72				
	Limassol	*	*	*	*	*	1009·0	+1	82	+3	-	0	-	b	0	-	88	63				
	Alexandria ...	1011·0	77	N	3	b	1011·9	0	81	+3	-	0	-	bc	0	-	90	75				
	Cairo (Helwan) ...	1010·4	84	N	2	b	1011·4	+1	75	0	NE	2	-	b	*	-	95	70				
	Jerusalem ...	?	70	NW	3	b	?	?	70	+4	-	0	-	b	*	-	86	61				
	Ramleh	1009·4	77	WNW	1	b	1010·6	+1	81	+2	-	0	-	c	*	-	91	68				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

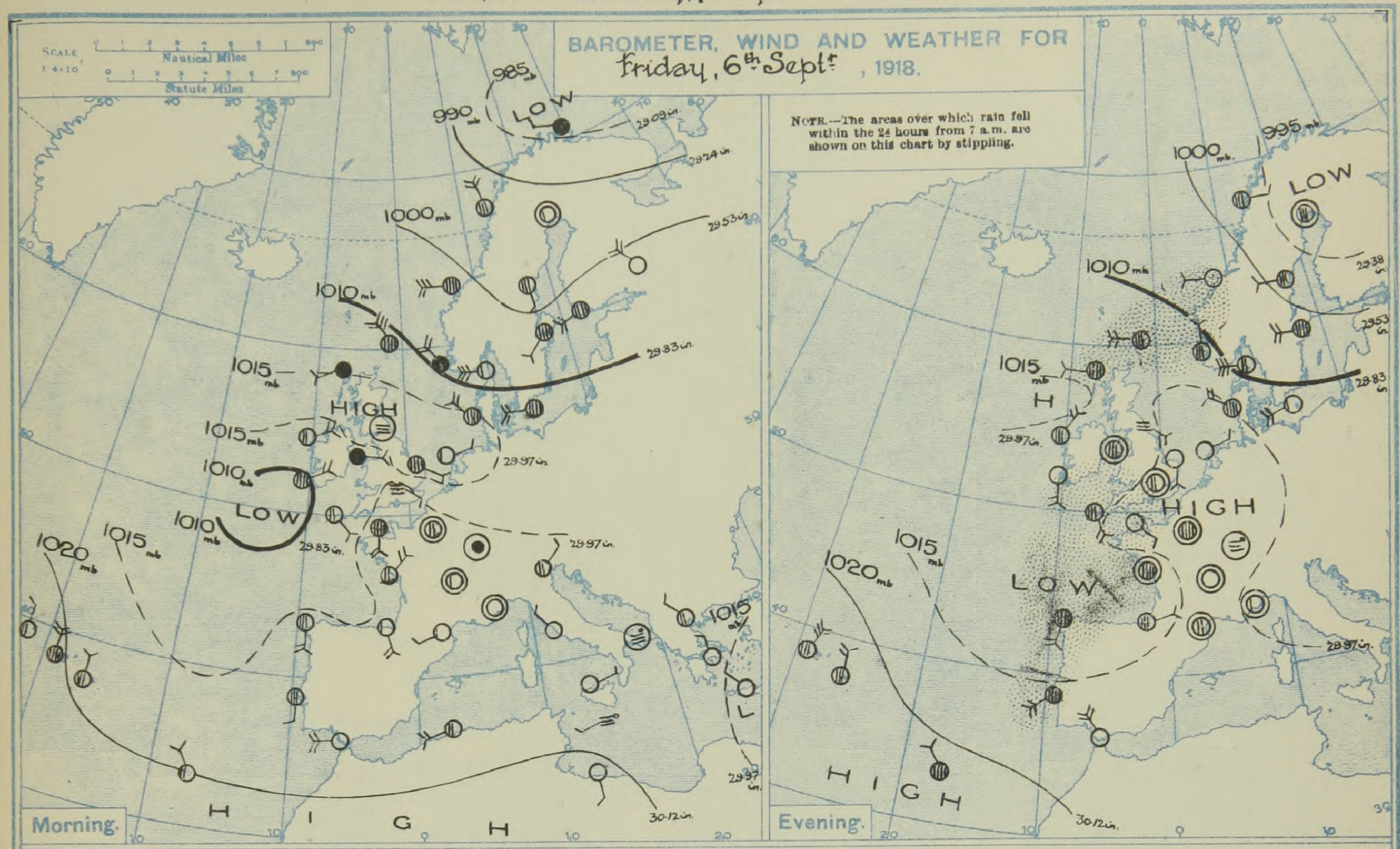
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
f fog. g gleom.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20,743. Saturday, 7th September, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 6TH SEPTEMBER

	STATIONS.	Evening of 5th: Barom. Millibars at M.S.L.	Temp.	Wind: Direc.	Wind: Force 0–12.	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.					°F.	°F.
RUSSIA.	Archangel ...														*	
	Petrograd ...															
	Moscow														*	
SWEDEN.	Hernösand ...	1001·5	48	-	0	b	994·7	*	48	-11	S	2	c	*	*	*
	Stockholm ...	1005·9	55	W	2	b	1001·1	*	52	-5	SW	2	c	*	*	*
	Wisby	1008·6	55	WSW	2	b	1005·5	*	57	-4	WSW	8	c	*	*	*
ITALY.	Venice	1017·0	73	SSW	1	b	1016·2	*	70	0	NE	1	bc	-	79	68
	Turin	1015·7	70	-	0	bc	1015·4	*	66	0	-	0	0	-	79	64
	Pesaro	1017·3	73	-	0	b	1016·9	*	77	+2	-	0	b	-	79	61
	Leghorn ...	1018·1	75	-	0	b	1017·7	*	70	-7	-	0	c	-	79	68
	Rome	1019·7	72	-	0	b	1019·8	*	66	+2	NW	1	b	-	82	61
	Viesti	1018·7	73	N	1	b	1017·3	*	73	-2	-	0	b	-	81	68
	Brindisi	1018·5	?	NW	1	b	1018·9	*	70	-2	-	0	m	-	77	66
	Cagliari							*								
	Palermo						1019·0	*	72	+4	ENE	1	b	-	88	64
	Tripoli						1021·3	*	79	0	SSE	1	b	-	88	73

ICELAND.	Morning of 6th: 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						

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

7th and 8th Sept. 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·14 / 5·16	11·51 / 11·51	6·28 / 6·26
Greenwich	5·23 / 5·25	11·58 / 11·58	6·33 / 6·31
Wick	5·26 / 5·28	12·10 / 12·10	6·54 / 6·51
Valencia	6·3 / 6·5	12·39 / 12·39	7·16 / 7·13

LONDON 7th Sept. 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)	73	89	4·0	72	56	48	4	c	c	bc.b.or f.
CITY (Bunhill Row)	*	*	3·9	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	62	86	4·4	72	58	52	-	*	*	*
" (Roof near Charing Cross) ..	73	92	3·8	73	58	*	-	of. c.	bc.c.	*
CAMDEN SQ. (British Rainfall)	61	87	2·6	72	57	52	-	o.	bc.	*
KENSINGTON PALACE	70	89	4·1	72	57	47	-	c	c	*

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

SOUTH KENSINGTON (M.O.)

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

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
900	19	61

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‡ The barometric change is expressed in half-millibars.

7TH SEPT., at 1h. G.M.T.

THE MORNING OF SATURDAY, 7TH SEPTEMBER 1918, at 7h. G.M.T.

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 ≈≈≈.

Normal Temperature of the Sea.

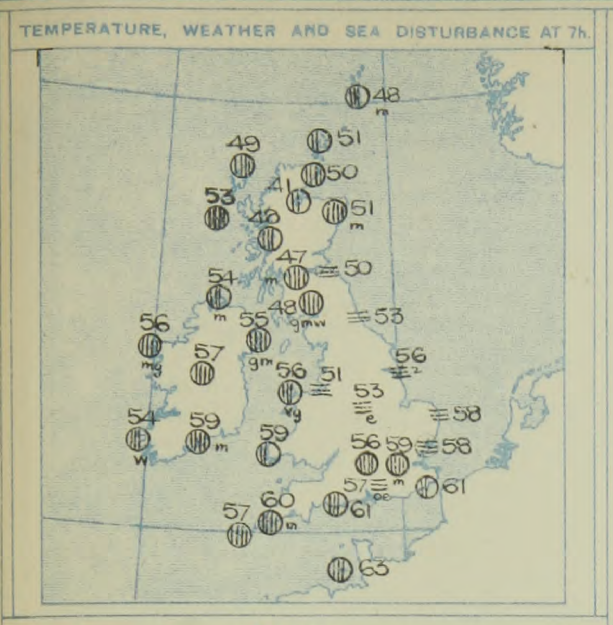
Below 50° | 50°–60° | 60°–70° | Above 70°

Scale of Tints for SEPTEMBER.

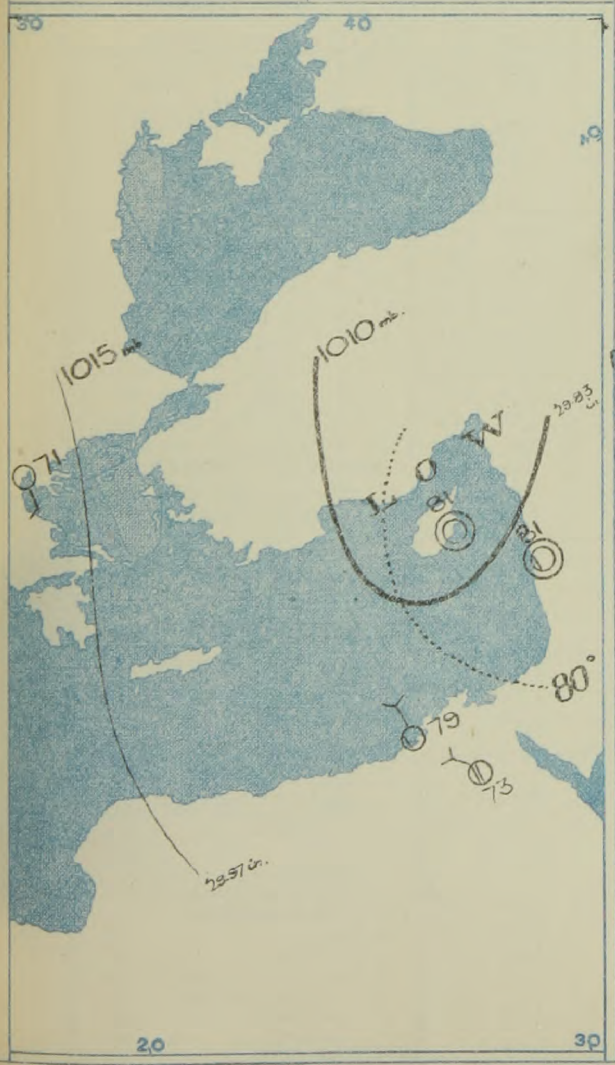
SCALE 1 : 2 × 10⁶

Nautical Miles 0 1 2 3 4 500

Statute Miles 0 1 2 3 4 500



GALES.



STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h today.

The afternoon temperature touched 71° at Jersey and Valencia, but in the north and northwest many maxima were below 60°, only 52° in Shetland. The night minima also showed great variation, from 34° at Nairn to 62° at Jersey. Light showers fell in various districts, a thunderstorm visiting the Midland counties. Bright sunshine was irregularly distributed, from a few minutes at Castlebay to 12 hours at Eskdalemuir.

The Conditions at 7h Today

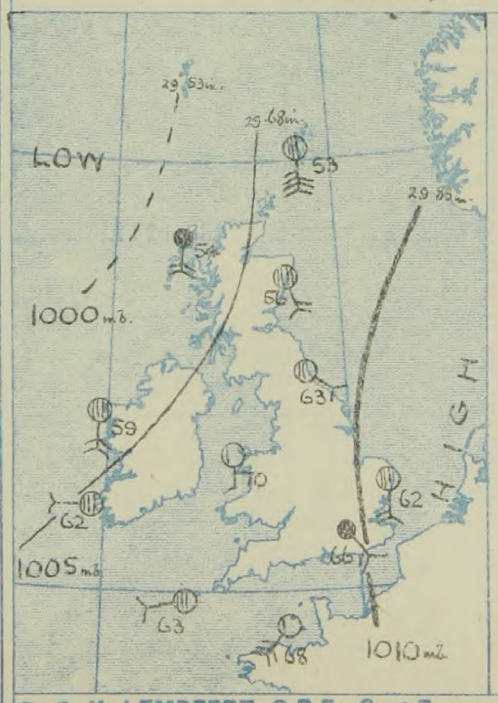
A depression is indicated over the upper portion of the Atlantic beyond Ireland and Scotland, another over Northern Russia, and a small one over Cornwall and Brittany. An anticyclone occupies the middle region of the Atlantic, from Portugal to Newfoundland; another lies over Central Europe and southward to North Africa. Calms and light breezes from various directions prevail extensively at home and abroad. Dull weather is general over the British Isles and the Low Countries, the atmosphere misty or foggy in many places, a dense fog off the Humber. In other regions fair to fine weather is in the ascendant, but at Havre there is a thunderstorm. At the home stations temperature ranges from 41° at Nairn to 63° at Jersey.

The Outlook

With the eastward advance or expansion of the Atlantic depression a less settled type of weather wil become general over our islands.

H.H.

Saturday, 7th SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



The changes since 7h are in accordance with this morning's anticipation.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn.

H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 250

SATURDAY, 7TH SEPTEMBER.

	STATIONS.	EVENING OF 6TH				MORNING OF 7TH								24 HOURS ENDED 7h 7TH						Sunshine for 6TH
		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 ...	1013.0	4.9	WNW	4	cm	1011.8	-2	48	+1	SW	4	-	cm	2	1	52	45	cmfp	cm	cm	*
	Deerness (Orkney)	1013.2	51	W	4	c	1009.5	*	51	+1	S	4	SW	bc	3	-	54	48	ofd.qc	c	b	0.5
	Stornoway ...	1014.1	53	W	2	ofp	1007.9	-4	49	0	SW	2	-	o	1	2	56	46	cdfp	c.ofp.	c.ofp.	3.1
	Castlebay (Barra Isd.)	1015.2	52	W	2	c	1007.5	-5	53	+3	SE	4	-	o	4	-	54	48	o.	o.c.	c.o.	0.1
	Glasgow ...	1014.4	58	W	2	b	1011.6	-3	47	+9	E	2	-	of	*	-	64	38	f. bz	b.	bz om	8.7
	Eskdalemuir ...	1014.2	60	SSW	1	b	1011.9	-2	48	+9	-	0	-	ogmw	*	-	65	37	bmbwg	bwg. bg.	bm.omw	12.0
	Malin Head ...	1014.8	52	ENE	2	b	1007.5	-3	54	+4	SW	3	SW	cm	2	-	56	51	bc.	b.	og.	9.7
	Blacksod Point	1013.2	58	NE	3	cz	1007.9	-4	56	+4	S	2	-	omg	3	-	62	51	cz	bcz.	bc.omg.	*
	Valencia (Cahirciveen)	1011.6	66	S	3	b	1008.6	-3	54	-5	-	0	-	cw	2	0.4	71	51	ofp.bc.	bc.b	b bc cw	10.2
	Roche's Point	1013.3	61	SSE	2	b	1009.6	*	59	+1	SE	3	-	o	3	3	65	58	d f.c.	c.b	b cdf.o	*
	Birr Castle ...	1012.9	61	E	1	c	1009.4	*	57	+2	S	1	-	o	*	1	65	54	o.c.	o.cp.	o.	1.3
	Donaghadee ...	1013.7	55	NNE	2	bm	1010.0	-2	55	+1	SW	2	-	ogm	1	1	58	53	ogm	bm.	bc.ofg.	*
	Liverpool (Bidston)	1013.5	61	ENE	1	bc	1012.2	-2	51	-3	W	1	-	f	0	1	65	51	o.c.bc.	bcfp.	bmf.	5.6
	Holyhead ...	1014.1	63	-	0	cg	1010.9	-3	56	+1	SE	2	SW	cg	1	1	68	54	og.c.b.	bc.c.	c.bfe.c.	4.5
	Pembroke (St. Ann's)	1014.8	60	S	1	bc	1010.7	-3	59	-1	E	2	E	bc	1	6	64	56	cfp.bc.	bc.	bc.bcf	6.6
	Hartland Quay	1015.0	64	SSW	3	ofp.	1009.9	-3	60	0	E	3	S	o	2	0.1	68	57	om.cm.b	bcfp.ofp.	c.ofpw.	*
	Scilly (St. Mary's)	1014.3	62	SSE	3	c	1010.6	-3	57	-2	WNW	1	S	o	2	5	68	56	bc.b	b.bc	o.cfm	8.6
	Falmouth ...	1014.6	63	SSE	2	bcm	1009.6	-3	60	0	E	4	-	om	*	-	68	59	bc c.	bc.bcm	om	8.0
	Jersey (St. Aubin)	1015.5	67	SE	1	b	1010.1	*	63	+1	E	3	-	c	3	4	71	62	o.b.	bcfp.b.	b.or c.	8.2
	Portland Bill ...	1015.6	62	S	1	b	1010.6	-3	61	+1	E	4	E	c	4	3	65	58	cfp.bc.	bc. b	blcfp.	*
	Dungeness ...	1016.2	63	SSW	3	c	1013.5	-1	61	+6	ENE	2	SW	bc	1	7	67	55	cfp.c.	c.b	c bc	*
	Wick	1013.8	52	WNW	1	omdfp	1009.6	-2	50	+1	SSW	1	-	c	2	1	55	47	omdfp.	omdfp	o bc.o c.	*
	Nairn	1013.7	55	-	0	bc	1009.9	*	41	-1	-	0	-	bc	0	-	58	34	bcd c.	bcv.	bcw	2.7
	Aberdeen ...	1014.7	53	-	0	bcz	1011.1	-2	51	+8	S	1	-	om	2	-	60	41	bc bwg	bwg cz.	b bc om	7.7
	Leith	1014.2	54	E	1	b	1010.7	-1	50	+8	E	1	-	f	1	Trace	63	41	bz. b.	b.	b. bfe.	*
	Tynemouth ...	1014.0	58	ESE	2	f	1012.0	-1	53	+2	-	0	-	f	2	-	60	49	f	f	f	*
	Spurn Head ...	1014.9	58	SE	3	b	1012.7	0	56	+1	S	2	-	f	4	1	60	55	cv.	cv. b.	f	2.2
	Yarmouth (Gorleston)	1016.4	61	SSW	2	b	1014.6	-1	58	-1	S	4	-	f	2	-	63	57	o.c.	c.b	bc.cf	4.1
	Clacton-on-Sea	1016.3	62	ESE	2	cz.	1013.7	0	58	-2	WSW	1	-	f	0	0.2	68	53	bcmz.	bc. cz.	c.bc.bf	8.3
	Nottingham ...	1014.6	62	E	1	bc	1013.2	*	53	-2	SSW	1	-	fe.	*	18	70	51	o c.	c. otlv.	cfp.bc.	3.3
	Benson (Oxon.) ...	1014.6	63	S	1	bc	1012.6	-2	56	-2	-	0	-	om	*	0.1	70	54	a.bc.	t.bc.	b o.	*
	Sth Farnborough	1015.6	66	SSW	1	bv.	1013.3	-2	57	0	ENE	2	-	m	*	4	71	56	afd c.or.	or t.m.r.	b.ome.	4.6
	Salisbury Plain	1015.2	64	SSW	2	b	1012.3	-3	56	+1	ENE	2	E	o	*	3	69	54	ofd c.v.	c.bc.b	bmfe.	6.3
	London (Kew Obsy.)	1015.4	67	-	0	bc	1013.3	-1	59	0	ESE	1	-	om	*	0.1	70	58	of.bc.o	ofp.bc.	bc.b.om	3.0
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö															*						
	Bodö	9983	41	E	1	c	1007.1	+3	46	+1	NNW	1	-	o	1	-	45	37				
	Christiansund ...	10094	?	W	2	b	1012.6	+1	50	0	WNW	1	-	c	3	3	50	46				
	Skudesnaes ...	1010.7	50	N	2	c	1013.0	0	48	-2	E	1	-	b	2	3	54	41				
	Færder (X'tania Fjord)	10054	57	WSW	5	b	1013.6	+4	52	0	NE	2	W	b	3	-	57	52				
	The Scaw (Skagen)	10074	55	W	6	bc	?1012.0	+3	57	+2	W	1	-	b	1	-	59	48				
	Blaavands Huk	1015.2	55	NW	3	o	1016.2	+1	55	+1	NW	1	-	o	*	-	57	52				
	Copenhagen ...	10124	54	W	3	o	1015.2	+2	54	0	W	3	-	o	*	-	55	50				
	Bornholm ...	1011.5	54	WNW	6	o	1014.8	+2	54	+2	WNW	5	NW	b	1	-	54	52				
FRANCE, &c.	The Helder ...	1017.2	59	ENE	1	b	1016.2	0	52	-3	SE	1	-	b	0	-	61	50				
	C. Gris Nez ...	1017.0	64	-	0	b	1013.5	?	61	+2	ESE	1	*	o		3	70	57				
	La Hève	1017.8	66	-	0	b	1012.2	*	63	+2	ESE	3	*	thr	2	9	73	59				
	Brest (St. Mathieu)	1015.5	66	SSE	3	bc	1009.8	-1	61	0	N	2	*	c		1	70	59				
	Rochefort (Ile d'Aix)	1013.5	68	-	0	o	1010.7	-2	66	+3	SE	3	*	bc	*	5	84	61				
	Biarritz	1013.4	75	ENE	2	c	1013.8	+1	68	+2	WSW	3	*	o		-	84	68				
	Paris	1017.5	68	NNW	1	o	1014.3	-2	61	+4	ESE	2		b	*	-	79	55				
	Belfort	1017.9	66	-	0	b	1018.7	*	59	+2	E	4	*	c	*	-	72	52				
	Lyons	1017.0	72	-	0	b	1016.7	*	59	+6	-	0	*	o	*	-	81	57				
	Nice	1014.8	70	-	0	b	1017.9	+1	68	-2	-	0	*	c		-	79	66				
	Perpignan ...	1016.0	72	-	0	bc	1014.6	-1	68	+4	-	0	-	o	*	-	84	59				
	Sanguinaffe ...	1017.0	75	NW	2	m	1017.9	*	73	0	E	2	*	b		-	90	64				
IBERIA, &c.	Corunna	1013.0	64	SSW	3	o	1013.1	+1	66	-4	SW	2	-	m	2	21	73	43				
	Madrid														*							
	Lisbon	1016.8	70	SW	4	o	1018.6	+2	66		W	2	-	c	5	1	72	64				
	Azores (Horta) ...	1023.5	*	NNE	5	c	1023.4	+1	59	-4	NNE	2	*	bc	2	-	68	61				
	,, (P. Delgada)	1021.5	*	NNE	3	c	1025.0	+1	63	-1	NE	4	*	o	2	-	72	63				
	Madeira	?1021.2	75	NW	2	o	1021.2	0	70	+2	NW	2	-	b	2	-	75	68				
	Gibraltar	1018.6	73	NW	4	b	1018.9	*	68	-1	W	4	*	c	0	-	80	60				
	Palma																					
MEDITERRANEAN.	Algiers																					
	Malta	*	*	*	*	*	1017.0	+1	77	0	-	0	-	b	0	-	90	73				
	Salonica	1015.3	76	SSE	1	b	1015.1	+2	71	-2	S	1	-	b	*	-	90	66				
	Athens																					
	Candia																					
	Limassol	*	*	*	*	*	1009.4	+1	81	-1	-	0	-	b	0	-	90	63				
	Alexandria ...	1011.6	79	N	2	b	1012.8	+2	79	-2	N	2	N	b	1	-	88	75				
	Cairo (Helwan) ...	1010.0	86	N	3	b	1012.3	+3	73	-2	NW	2	W	bc	*	-	97	70				
	Jerusalem ...	*	72	NW	3	b	*	*	73	+3	-	0	-	b	*	-	86	64				
	Ramleh	10099	79	NW	1	b	1011.4	+2	81	0	-	0	-	b	*	-	88	70				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

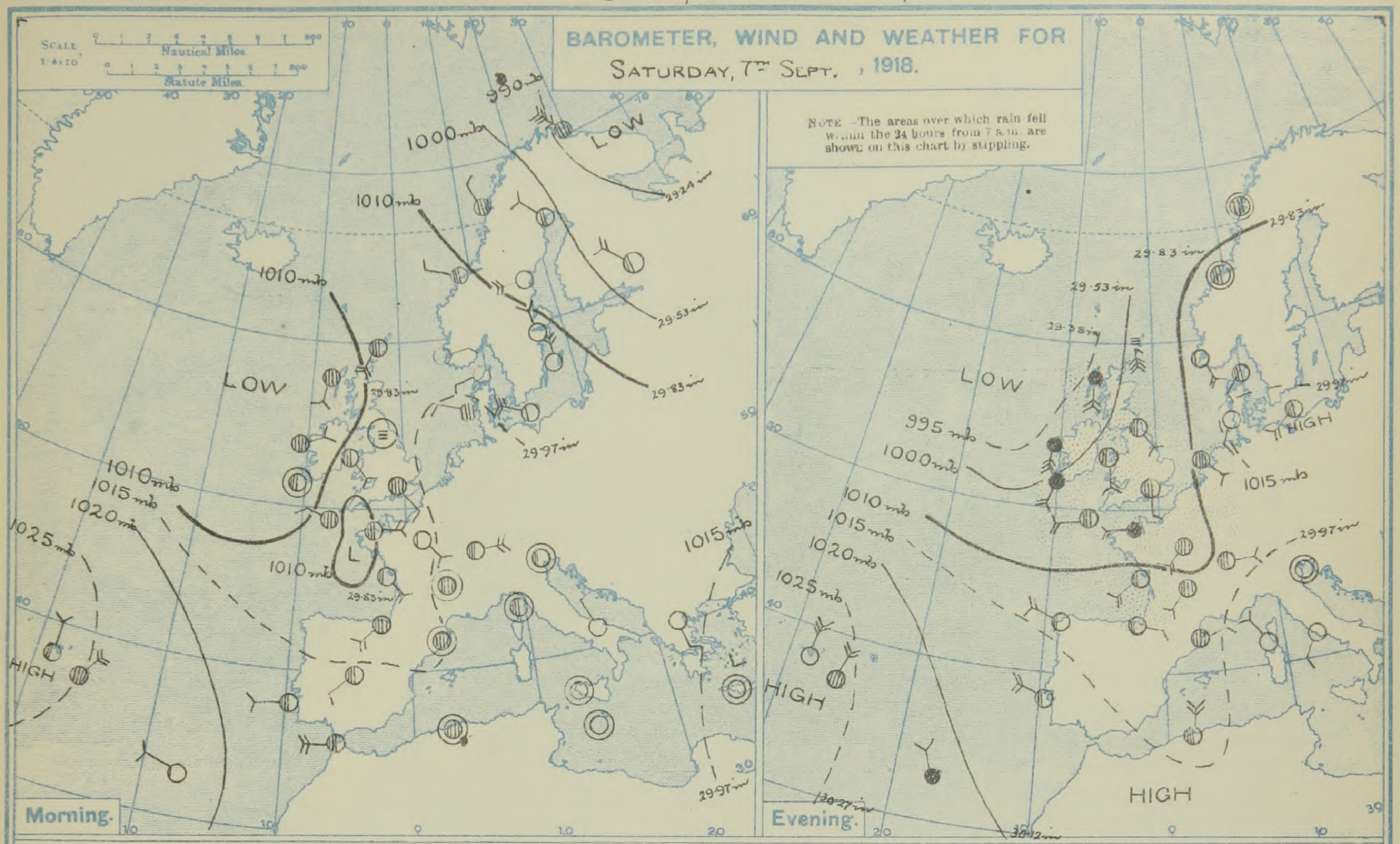
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20,744. SUNDAY, 8TH SEPTEMBER, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 7TH SEPTEMBER.

	STATIONS.	Evening of 6th Sept. Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0–12.	Weather.	Morning of 7th Sept. 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.
SWEDEN, RUSSIA.	Archangel ...														*	
	Petrograd ...															
	Moscow														*	
	Hernösand ...	998·8	46	W	2	c		*						*	*	*
	Stockholm ...	1001·9	55	W	4	o		*						*	*	*
	Wisby	1004·7	57	WSW	4	b		*						*	*	*
ITALY.	Venice						1018·2	*	66	−4	ENE	6	C.	?	81	63
	Turin	1015·5	70	—	0	b	1018·1	*	66	0	—	0	bc.	—	79	64
	Pesaro	1015·7	75	—	0	b	1018·5	*	73	−4	—	0	b.	—	70	66
	Leghorn ...	1017·0	75	—	0	b	1018·1	*			—	0	b	—	80	70
	Rome	1017·8	75	—	0	b	1018·3	*	68	+4	E	1	b	—	86	63
	Viesti	1014·3	77	SE	2	b	1017·7	*	77	+4	NW	1	b	—	81	72
	Brindisi	1015·9	75	S	2	b	1015·5	*	77	+7	NW	2	b	—	82	68
	Cagliari						1020·6	*	79	?	SSW	1	b	?	88	73
	Palermo	1017·3	77	—	0		1019·6	*	72	0	—	0	b	—	93	64
	Tripoli							*								

ICELAND.	Morning of 7th Sept. 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						

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

8th & 9th Sept. 1918.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5·16	11·51	6·26
	5·17	11·50	6·23
Greenwich	5·25	11·58	6·31
	5·26	11·57	6·28
Wick	5·28	12·10	6·51
	5·30	12·9	6·48
Valencia	6·5	12·39	7·13
	6·6	12·38	7·10

LONDON — 8TH SEPT. ... 9h. G.M.T.

	Humidity 15 h. 7th %	Humidity 9 h. 8th %	Sunshine for 7th Hours.	24 hours ended 9 h. 8th: Temperature Max. °F.	Temperature Min. °F.	Temperature Min. on Grass. °F.	Rainfall. mm.	Weather Morning.	Weather Afternoon.	Weather Night.
GREENWICH (Royal Observatory)	65	90	2·8	73	56	50	0·1	clr	clr	clr. bw. or.
CITY (Bunhill Row)	*	*	2·5	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	69	95	1·8	66	48	44		bc. r. bc.	bc.	b cor. a
" (Admiralty Arch)	74	94	1·9	72	58	*	1·7	m.c.o	o. p. bc.	*
CAMDEN SQ. (British Rainfall)	70	88	1·5	72	57	52	0·1	0	o. bc	*
KENSINGTON PALACE	66	92	25	71	57	50	1·6	bclr.	bclr. bc	*

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 7TH

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
850	18	52

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.

8TH SEPT., at 1h. G.M.T.

THE MORNING OF SUNDAY, 8TH SEPTEMBER 1918, at 7h. G.M.T.

990mb 995mb 1000mb 1005mb 1010mb 1015mb

LOW HIGH

29·24in 29·38in 29·53in 29·68in 29·83in 29·97in

48 54 52 56 54 61 55 61 61

EXPLANATION.

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

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

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

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

SEA DISTURBANCE.—Rough ∿∿ High ∿∿

Bar. Barometer

LOW rising slowly. HIGH falling.

985mb 990mb 995mb 1000mb 1005mb 1010mb 1015mb 1020mb 1025mb

29·09in 29·24in 29·38in 29·53in 29·68in 29·83in 29·97in

50 51 55 54 52 58 56 57 59 57 59 59 57 59 63 63 66 66 64 61 63 63 70 55 57 57 55 46 43 45 52 50° 60° 70° 80° 66 79 68 70 75 72 72 79 81 84

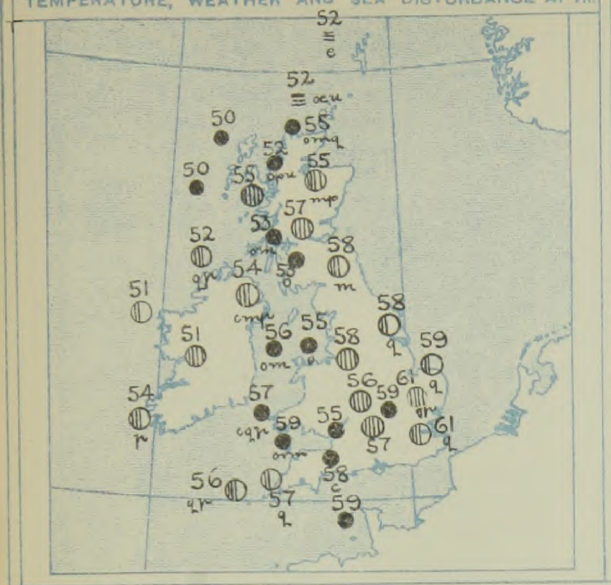
SCALE 1 : 2 × 10⁷
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 575

Normal Temperature of the Sea.

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

Scale of Tints for SEPTEMBER.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

Lerwick.
Gale since 2h.

Hartland Quay
S.W. 8. at 7h.

STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

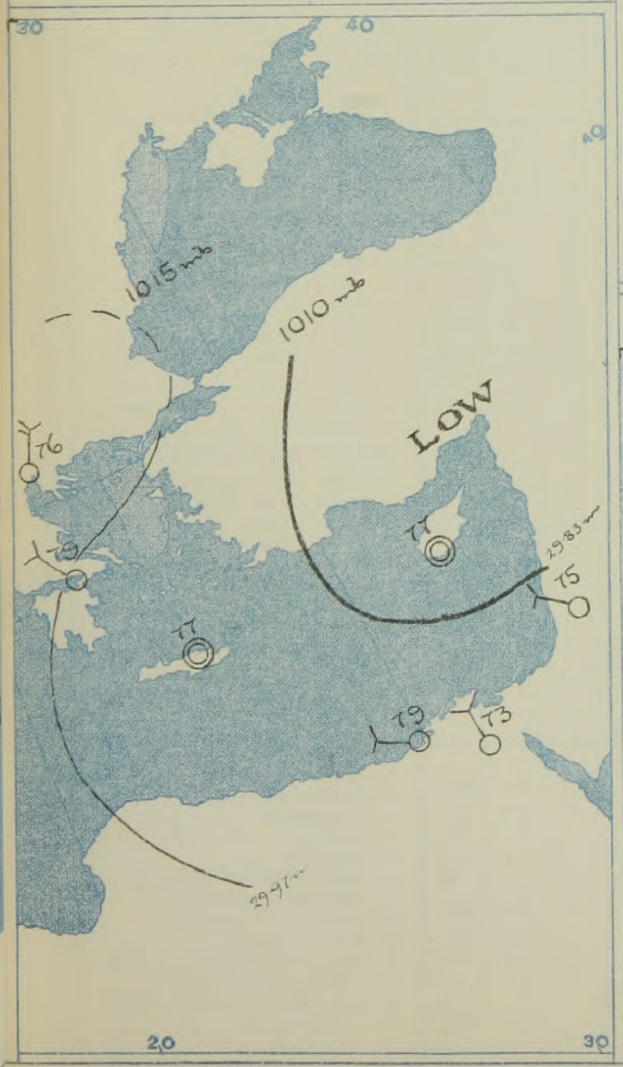
Rain fell rather heavily in the north and west, up to 18 mm. at Stornoway and 23° at Falmouth. Thunder and lightning were observed at several stations particularly in the east and south-east. Temperature rose to about 70° in North Wales and SE. England. Moderately good sunshine was experienced at two or three stations, but there was little in most localities.

The Conditions at 7h.

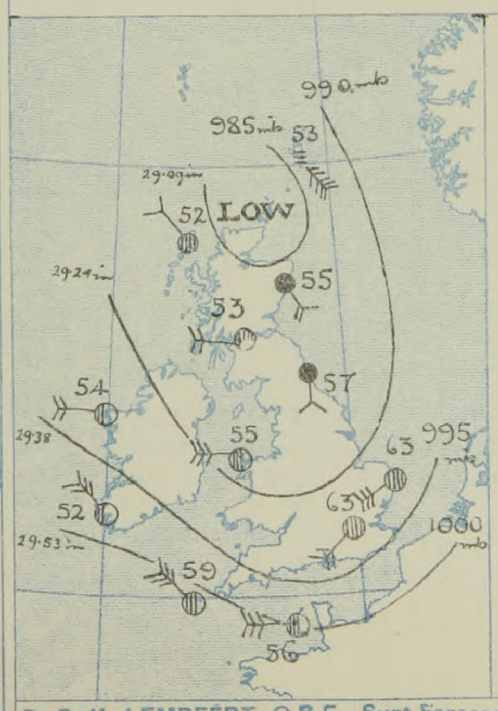
A depression of considerable intensity and of pronounced V-form lies over the British Isles, the trough lying along a line drawn from Stornoway to Brest. East of this line the barometer is falling briskly and fresh to strong S. or SW. winds are blowing. To the west of the trough the barometer is rising slowly and winds are North-Westerly. Rain is falling at many stations and a wet fog prevails over the Orkneys and Shetlands. The depression is moving eastward.

In the Mediterranean area there are indications of the development of a depression in the Gulf of Genoa.

13h. The depression is passing eastwards and the barometer is rising moderately in its rear.



SUNDAY, 8TH SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn.

H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 251. SUNDAY, 8TH SEPTEMBER.

	STATIONS.	EVENING OF 7TH					MORNING OF 8TH									24 HOURS ENDED 7 h 8TH						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 ...	1003·0	52	S	7	fe	991·3	−4	52	+4	S	9	—	fe	5	0·4	53	46	c m.	c m.	fe	
	Deerness (Orkney)						986·1	*	55	+4	SE	6	—	ofeu	5	1	56	51			cofe	4·2
	Stornoway ...	995·2	56	S	4	or	983·9	−2	50	+1	W	1	—	r	0	18	57	48	op	or	or	0·2
	Castlebay (Barra Isd.)	995·3	56	SSW	4	o	985·0	−0	50	−3	NW	3	—	r	3	13	57	50	od	d r o	or	0·0
	Glasgow ...	1000·7	59	SE	1	cmu	986·8	−6	53	+6	SSW	3	—	omr	*	5	63	47	omg	om.c.m.	comor	0·3
	Eskdalemuir ...	1001·7	59	SSW	2	cz	987·8	−5	53	+5	S	4	—	or	*	16	63	47	omwom	bcm.c.b.	atlro	3·2
	Malin Head ...	995·4	58	S	3	cg	985·2	+2	52	−2	NNW	4	N	cqp	4	6	63	51	cg	cg.	or	2·4
	Blacksod Point	995·8	53	S	6	omr	990·5	+2	51	−5	NW	4	NW	bc	5	16	61	47	omp.	omr	omrcp	*
	Valencia (Cahirciveen)	1001·4	56	SSW	3	r	994·8	+2	54	0	WNW	5	NW	cp	5	14	63	50	co.c.	od.o.	rcp.	3·1
	Roche's Point	1001·8	59	SW	3	o	993·2	*	52	−7	WNW	4	W	bc.	4	7	65	51	docom	o.m.bco.	orbc.	*
	Birr Castle ...	998·2	59	SSW	1	o	990·4	*	51	−6	W	1	—	o	*	11	68	50	cp.	cpo	gro.	2·4
	Donaghadee ...	1000·5	60	S	4	cqmq	986·0	−5	54	−1	SW	3	SW	cmp	2	4	65	53	ogm.cm.	bcqmp.	oqmor	*
	Liverpool (Bidston)	1001·5	65	SE	2	b	989·6	−3	55	−4	SSE	2	—	r	1	5	69	51	f.m. bc	c.bc.	p.bc.r.	6·5
	Holyhead ..	1001·5	62	S	3	bc	987·7	−5	56	0	S	5	—	orm	4	12	71	55	c.bc.	b.bc.cp.	bcopr	6·8
	Pembroke (St. Ann's)	1003·5	60	SW	2	bc	991·3	+3	57	−2	W	5	W	cqp	5	7	65	55	bc.c	c.o.bc.	cpoqr	2·6
	Hartland Quay	1003·8	61	SW	4	o.p.	993·2	−7	59	−1	SW	8	—	orm	5	9	66	57	o.qq.	o.p.o.	bo orm	*
	Scilly (St. Mary's)	1006·2	59	W	3	cp.	996·4	−1	56	−1	WNW	6	W	cqp	6	10	64	55	o.p.c.	cp.	orcqp	4·0
	Falmouth ...	1004·8	61	SW	3	b.p.r	995·4	+2	57	−3	W	6	SW	bc	*	23	63	55	omopq	o r o.bc.	orq.cq	1·1
	Jersey (St. Aubin)	1007·8	63	W	3	or	1001·4	*	59	−4	SW	4	—	or	3	3	70	59	c.bc.	c.b.or.	or b.or	8·3
	Portland Bill ...	1006·3	60	WSW	4	bc	996·1	−4	58	−3	W	6	SW	cr	5	1	65	57	bc.b	bc.	cr	*
	Dungeness ..	1006·1	63	S	2	c	998·4	−6	61	0	SW	5	SW	c	4	15	65	60	c t c r	c t l c	c t l p q	*
	Wick	999·8	55	S	2	om	986·2	−6	55	+5	SSE	5	—	omqr	5	0·4	56	49	c.m.	c.o.m.	omqr	*
	Nairn	999·3	61	—	0	ogm	984·8	*	52	+11	—	0	—	obu.	0	1	64	41	c.bc.	bc.c.g.m.	oup.	3·0
	Aberdeen ...	1002·2	53	SSE	3	m	987·6	−5	55	+4	SSE	3	—	opm.	3	3	60	51	o m c.m	bc.b.om	mopm	3·8
	Leith	1000·3	59	SE	1	c	986·0	−3	57	+7	SSW	1	—	o	1	1	66	49	feumc	c.bc.z.c.	czcro	*
	Tynemouth ...	1003·1	59	SE	2	cm.	989·4	−3	58	+5	SSW	2	—	cm	2	—	64	51	fog.	c.m.	omom	*
	Spurn Head ...	1004·6	59	SSE	4	cq.	992·4	−6	58	+2	S	4	—	bcq.	4	trace	62	50	bcm.	cp.	bcpq	2·5
	Yarmouth (Gorleston)	1008·0	61	SSE	4	bc.	999·0	−5	59	+1	SSW	5	—	bcq.	4	1	64	55	f.cm.	cmf.bc.	bc.z.bc.	2·0
	Clacton-on-Sea	1006·7	62	ESE	3	c	997·3	−3	61	+3	S	4	S	ogp	4	2	63	57	bc.ogp.	ogr.bc.	c t l op.	1·5
	Nottingham ...	1013·9	64	SE	2	c	992·8	*	58	+5	SW	2	SW	o	*	2	69	52	om.	cocp	c t l p.	1·7
	Benson (Oxon.) ...	1004·8	64	S	3	bc	995·4	−2	56	0	SSW	4	—	o	*	6	70	56	bc.	bc.cm	cr	*
	Sth Farnborough	1005·4	65	SSE	5	c	996·7	−3	57	0	SSW	5	—	o	*	1	71	57	omco	opmoc.	c l bord	5·2
	Salisbury Plain	1004·9	63	SSW	4	c	995·4	−6	55	−1	SSW	3	SW	r	*	1	69	54	copdo	o.c.	bcbor	4·7
	London (Kew Obsy.)	1005·3	66	S	1	c	996·4	−4	59	0	SSW	3	—	or	*	6	65	56	omaopl	opc.bc.c	c.bc.bom	2·8
NORTHERN EUROPE.	Spitsbergen ...																43	39				
	Vardö	999·0	39	NW	8	r	1010·2	+7	41	?	NW	8	*	c	*	*						
	Bodö	1012·6	46	—	0	c	1011·8	0	46	0	E	2	—	b	2	—	48	41				
	Christiansund ...	1010·4	50	—	0	c	1005·4	−2	52	+2	SE	2	—	c	3	trace	57	46				
	Skudesnaes ...	1010·4	50	SE	3	b	1001·5	−5	57	+9	ESE	5	—	c	3	—	55	43				
	Færder (X'tiania Fjord)	1014·0	55	SSW	4	c	1011·1	−2	55	+3	SE	5	—	o	2	—	57	52				
	The Scaw (Skagen)	1014·2	55	SW	1	c	1009·2	−3	57	0	SSE	4	—	b	4	—	63	55				
	Blaavands Huk	1016·6	57	SSW	1	b	1004·6	−3	55	0	SSE	4	—	r	*	3	64	50				
	Copenhagen ...	1016·8	57	NW	1	o	1011·1	−5	55	+1	SE	5	—	c	*	—	59	52				
	Bornholm ...	1017·6	54	WSW	3	c	1013·9	−3	57	+3	SSE	3	—	bc	0	—	57	50				
FRANCE, &c.	The Helder ...	1010·0	66	ESE	2	o	1000·7	−4	57	+5	S	3	—	c	2	13	70	54				
	C. Gris Nez ...	1005·9	63	ESE	1	o	999·8	−9	61	0	SW	7	*	r	6	22	68	57				
	La Hève	1008·4	66	WNW	1	c	1003·1	*	61	−2	WSW	6	*	c		7	75	59				
	Brest (St. Mathieu)	1007·9	63	SSW	3	c	1001·2	−3	59	−2	SW	6	*	r		2	68	57				
	Rochefort (Ile d'Aix)	1011·5	68	SW	3	bc	1010·0	0	66	0	SW	5	*	o	*	1	70	63				
	Biarritz	1011·2	75	E	1	bc	1015·0	+1	63	−5	SSW	4	*	b		—	77	63				
	Paris	1008·8	72	SSW	3	o	1005·9	−4	61	0	S	3	—	o	*	5	77	55				
	Belfort	1011·4	68	E	2	c	1012·6	*	57	−2	—	0	*	r	*	17	79	57				
	Lyons	1011·1	75	SW	2	—		*					*		*							
	Nice ...	1017·1	66	—	0	b	1014·3	−3	66	−2	E	1	*	c		—	79	66				
	Perpignan ...	1010·6	75	ENE	1	o	1013·8	+3	66	−2	W	1	—	b	*	1	86	63				
	Sanguinaire ...	1015·1	77	NW	2	b	1012·0	*	79	−6	E	2	*			—	90	70				
IBERIA, &c.	Corunna														*							
	Madrid																					
	Lisbon	1020·0	72	NW	4	b	1022·6	+1	64	−2	—	0	NE	b	5	—	73	63				
	Azores (Horta) ...	1028·0	*	NNE	5	b	1028·8	+0	63	+4	NNE	3	*	0	2	—	70	63				
	,, (P. Delgada)	1026·6	*	NNE	4	o	1027·4	+1	64	−1	NNE	2	*	0	2	—	72	63				
	Madeira	1021·6	72	NW	2	r	1023·1	0	70	0	NE	2	—	0	2	—	77	68				
	Gibraltar							*					*									
	Palma																					
MEDITERRANEAN.	Algiers	1013·8	81	NNE	4	c	?		?		?	?	—	b								
	Malta	*	*	*	*	*	1016·3	+1	81	+4	—	0	—	z	*	—	95	75				
	Salonica	1012·6	76	NNW	1	b	1016·3	+3	76	+5	NNE	3	—	b	0	—	90	69				
	Athens																					
	Candia	1013·0	77	—	0	b	1013·9	0	77		—	0	NE	b	0	—	84	70				
	Limassol	*	*	*	*	*																
	Alexandria ...	1012·7	77	N	3	b	1012·8	+1	79	0	NW	2	NW	b	1	—	86	75				
	Cairo (Helwan) ..	1011·1	84	N	3	b	1012·7	+2	73	0	N	2	N	bc	*	—	93	68				
	Jerusalem ...	—	15	NW	4	b	—	—	75	+2	NNW	2	—	b	*	—	88	64				
	Ramleh	1010·2	79	NNW	1	b	1011·8	+2	81	0	—	0	—	b	*	—	91	68				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1– 3	0·3– 1·5
2	4– 7	1·6– 3·3
3	8–12	3·4– 5·4
4	13–18	5·5– 7·9
5	19–24	8·0–10·7
6	25–31	10·8–13·8
7	32–38	13·9–17·1
8	39–46	17·2–20·7
9	47–54	20·8–24·4
10	55–63	24·5–28·4
11	64–75	28·5–33·5
12	Above 75	33·6 or above

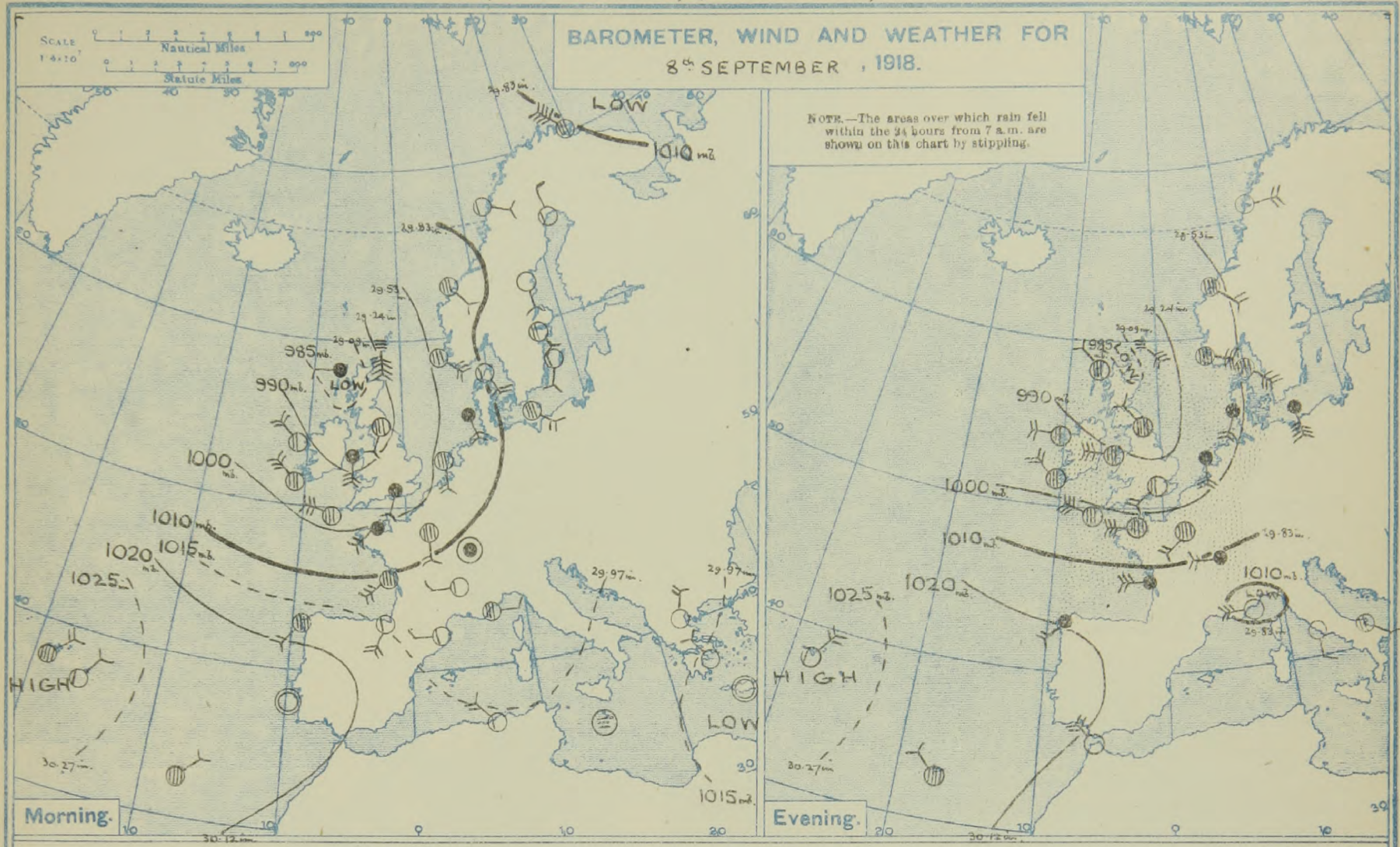
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air: humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20,745 MONDAY, 9th SEPTEMBER, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 8th SEPTEMBER

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: Archangel ...														×	
RUSSIA: Petrograd ...															
RUSSIA: Moscow														×	
SWEDEN: Hernösand ...						1016·0	×	45	−3	S 2		b	×	×	×
SWEDEN: Stockholm ...						1018·3	×	55	+7	SSE 2		bc	×	×	×
SWEDEN: Wisby						1018·3	×	55	+1	SSW 2		b	×	×	×
ITALY: Venice							×								
ITALY: Turin							×								
ITALY: Pesaro							×								
ITALY: Leghorn ...							×								
ITALY: Rome							×								
ITALY: Viesti							×								
ITALY: Brindisi							×								
ITALY: Cagliari							×								
ITALY: Palermo							×								
ITALY: Tripoli							×								

ICELAND.	Morning of 8th: 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						

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

9th AND 10th SEP. 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·17	11·50	6·23
	5·19	11·50	6·21
Greenwich	5·26	11·57	6·28
	5·28	11·57	6·26
Wick	5·30	12·9	6·48
	5·32	12·9	6·46
Valencia	6·6	12·38	7·10
	6·8	12·38	7·8

LONDON 9th SEPT. 9h. G.M.T.

	Humidity. 15 h.	Humidity. 9 h.	Sunshine for	24 Hours ended 9 h. 9th: Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	8th	9th	8th							
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	64	68	3·7	66	47	38	1	o.ocp	bc	bc
CITY (Bunhill Row)	×	×	3·5	×	×	×	×	×	×	×
WESTMINSTER (St. James's Park)	71	64	3·6	66	48	44	2	×	×	×
„ Roof near Charing Cross	76	74	3·7	66	49	×	2	or.pq	pq.qpq	bb.
CAMDEN SQ. (British Rainfall)	×	70	3·0	67	47	43	4	×	×	×
KENSINGTON PALACE		70	3·2	65	48	40	3	ocp.	bcp.b	×

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

SOUTH KENSINGTON (M.O.)

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

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
880	18·7	65

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‡ The barometric change is expressed in half-millibars.

9th SEPT., at 1h. G.M.T.

THE MORNING OF MONDAY, 9TH SEPTEMBER 1918, at 7h. G.M.T.

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. ⅄ thunderstorm.

SEA DISTURBANCE.—Rough ~~ High ~~.

Barometer falling slowly

Barometer falling slowly

Barometer rising slowly

LOW

HIGH

HIGH

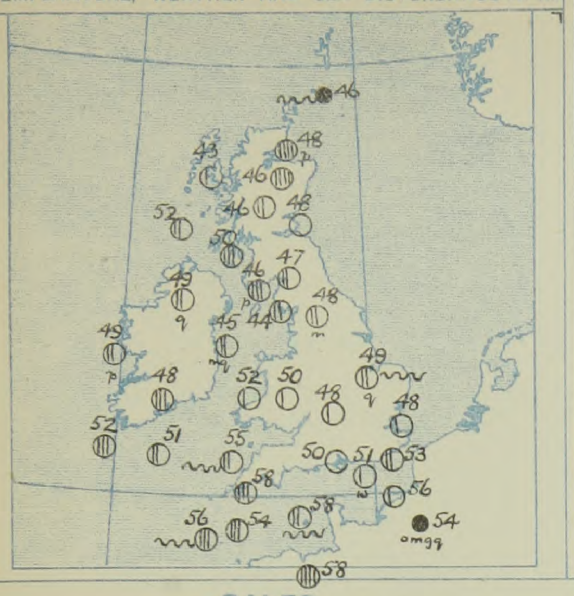
Scale 1 : 2 × 10⁶
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

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

Scale of Tints for SEPTEMBER.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

Lerwick
N.W. 8 from 6h.
Continuing.

STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

At most of the home stations the afternoon temperature failed to reach 60°, and only at Portland Bill was the maximum as high as 65°. Rain fell generally, mostly in showers, the amounts ranging up to 17 mm. at Aberdeen. A few localities experienced hail, and others thunder or lightning. Off Belfast Lough and the NE. of Scotland there was a good deal of fog. Bright sunshine varied from none at Deerness and Nairn to 9½ hours at St. Ann's Head.

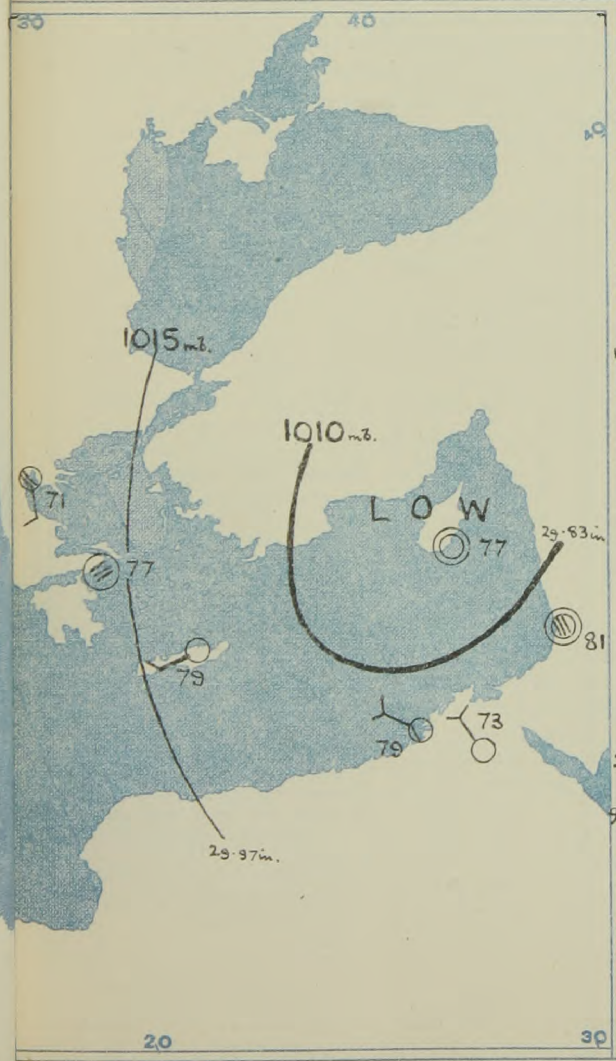
The Conditions at 7h. Today

A deep depression, with the barometer at 980 mb., is centred near Shetland, and an extensive anticyclone covers the lower Atlantic and the Spanish region. Moderate to strong winds between S. and E. are reported over Norway and Northern Denmark, and a NW. gale in Shetland, but elsewhere a W.-SW. current is in the ascendant, mostly moderate in force, a few southern stations reporting a strong wind, and at the entrance to the Seine a high wind. Fair to fine clear weather prevails extensively, but rain is falling at Lerwick, in various parts of France, and on the Western Baltic. Over the greater part of the British Isles the temperature is below 50°, against 58° at Jersey, Portland and Hartland Quay.

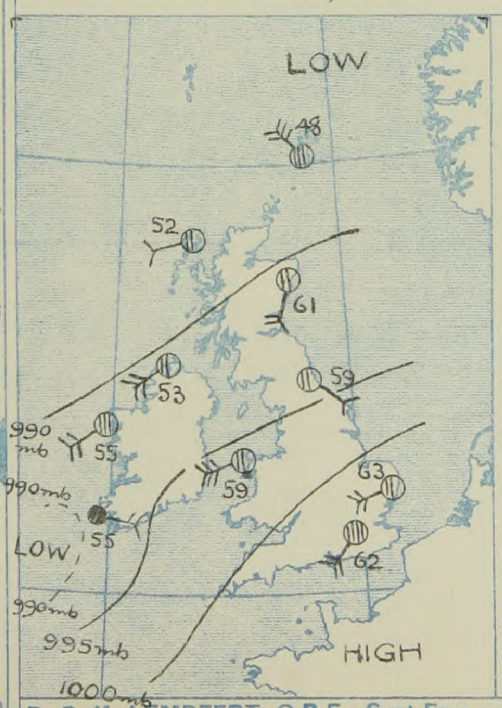
The Outlook

On our western coasts the wind is again backing and the barometer is showing a downward tendency. The unstable type of conditions is, therefore, likely to be maintained for a time.

H.H.



MONDAY, 9th SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



The changes are developing in accordance with the morning anticipations.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No 252

MONDAY, 9TH SEPTEMBER.

	STATIONS	EVENING OF 8TH					MORNING OF 9TH									24 HOURS ENDED 7 h 9TH						Sunshine for 8TH
		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 ...	987·6	53	SE	5	fc	980·3	-3	46	-6	NW	8	-	or	5	11	53	45	fc	fc	fr	
	Deerness (Orkney)	984·4	49	WNW	5	r	985·1	*	48	-7	W	4	5	o p	3	13	55	46	o f c . u . r	f q p	r . p . o	0·0
	Stornoway ...	986·9	54	NW	2	c	986·8	-1	43	-7	SW	1	-	b	0	0·2	56	41	o r . o p . o	o . c	b c . b	4·1
	Castlebay (Barra Isd.)	988·6	53	WNW	4	b c	988·6	0	52	+2	W	4	W	b c	4	1	56	49	r . o . b c	b q p . p . b c	b c	7·2
	Glasgow ...	988·9	52	WNW	4	b c v	992·3	+1	46	-7	WSW	2	SW	q p	*	2	57	44	o p	c . b c	b . b c . q p	4·1
	Eskdalemuir ...	988·1	50	W	4	b c v	993·2	+1	44	-9	SW	4	-	b c	*	13	55	41	o r m . o r	o . q p . b r	b r . c . q p	1·4
	Malin Head ...	989·8	52	NW	5	b c q p	991·0	0	49	-3	W	3	W	b c q	4	6	55	47	b c q p	b c q p	c q	7·0
	Blacksod Point	994·1	52	W	4	b q p	995·2	-1	49	-2	W	3	-	b q p	4	2	56	47	b q p	b q p	b q . b c	
	Valencia (Cahirciveen)	995·5	53	NW	4	q p	998·3	-2	52	-2	WSW	3	W	c	4	12	57	49	c p q	b q p h r . c	b c p	8·2
	Roche's Point	998·4	56	WNW	3	b	999·4	*	51	-1	W	2	W	b c	2	3	58	48	b c p q	b c p q . b	b . b c	
	Birr Castle ...	995·7	52	W	2	c	996·3	*	48	-3	SW	1	SW	c	*	3	57	44	q p	q p	q p	7·4
	Donaghadee ...	991·6	55	WNW	4	b c f q	993·8	0	45	-9	WSW	4	W	b m q z	2	1	60	44	f m p . q	f m q p	b m q	
	Liverpool (Bidston)	991·9	53	WSW	6	b c	996·5	+2	50	-5	SW	3	W	b	3	8	57	48	p	b c	b c	0·3
	Holyhead ...	991·0	55	W	6	q p q	996·4	0	52	-4	WSW	4	W	b	2	3	58	50	o r c q p q	o p . q p . q	b c	3·8
	Pembroke (St. Ann's)	997·5	55	W	6	b q	1000·1	+1	55	-2	W	5	W	b c q	5	1	57	52	b c q p	b c q p	b c q . p	9·5
	Hartland Quay	999·7	58	WSW	7	c q	1002·3	+1	58	-1	WSW	6	W	c	5	2	60	54	q p q	c p q . r q	c b h q . c	
	Scilly (St. Mary's)	1002·3	57	WNW	6	c q p	1004·0	0	56	0	W	4	NW	c	6	1	60	53	q p q	q p q	b c . c	8·3
	Falmouth ...	1001·5	55	W	5	c q p	1004·2	+2	54	-3	WSW	4	W	c	*	1	61	50	b c . p q	b c q p q	b c . c	8·4
	Jersey (St. Aubin)	1003·9	60	W	6	0	1006·5	*	58	-1	WSW	6	-	0	4	5	64	54	r . o . b q d	b q . e . b . b	o q p . o	4·5
	Portland Bill ...	999·1	58	W	6	b c	1002·4	+1	58	0	W	6	W	b c	5	5	65	56	c r b q p	b c	b c	*
	Dungeness ...	996·6	60	WSW	7	b c q	1002·2	+2	56	-5	WSW	4	SW	b q	4	10	63	51	c q . r	c r q . c	c l q t . c	*
	Wick	985·4	50	WNW	3	o m r	986·5	+1	46	-9	W	3	-	0	2	13	55	45	o m r	o m r	o m r p	*
	Nairn	986·5	49	-	0	0	987·6	*	46	-6	W	1	-	b c	1	4	59	42	p . c d	p q . o	o w . c	0·0
	Aberdeen ...	985·2	49	WNW	4	o r	988·7	+2	48	-7	SW	3	-	b	2	17	58	43	o p . c . o r	o . r . q	o r . o . b	0·7
	Leith	985·9	52	W	3	0	990·4	0	47	-10	WSW	3	W	b c	3	3	61	46	o	o f . r . o	o . b c .	*
	Tynemouth ...	985·4	55	NW	2	o m	993·0	+1	48	-10	SE	2	-	b c m	2	3	59	46	o m d	o m d	b m . b c	*
	Spurn Head ...	988·3	57	WSW	5	b c q p	996·4	+2	49	-9	WSW	5	-	b c q	5	3	63	47	c q . r	b c q p r	b c q	2·6
	Yarmouth (Gorleston)	993·2	60	WSW	7	b c q p	1000·5	+3	48	-11	WSW	3	-	b	4	2	64	45	b c q . o p	c q p	b c q . b f	3·0
	Clacton-on-Sea	995·7	60	W	5	b c	1001·5	+2	53	-8	W	3	-	b c	3	2	63	49	o g q p	o g p . b c	b f . b e	2·8
	Nottingham ...	992·8	51	W	4	q p	998·2	*	48	-10	SW	2	SW	b	*	1	64	45	o c p q	c . o p	c p . b	2·4
	Benson (Oxon.) ...	996·7	53	WSW	4	b	1000·5	+2	50	-6	SW	3	-	b	*	6	63	49	r . p	p r	b	5·0
	Sth Farnborough	997·5	55	WSW	5	b c v	1002·1	+2	51	-6	W	5	W	b r	*	4	64	46	o r . o . p	b c q . b c v	b c v . b	4·8
	Salisbury Plain	998·6	53	WSW	4	b	1002·7	+2	51	-4	SW	3	W	b c	*	5	62	44	r . b c	p . b c q	b . c . q p	*
	London (Kew Obsy.)	997·3	55	SW	3	b c q p r h	1002·0	+2	51	-8	SW	2	W	b w	*	4	64	48	o r . o . o r . o	o . p . b c q p r h	b c v . m a r	3·6
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö															*						
	Bodö	1008·3	54	E	4	b	1006·8	-1	54	+8	SSW	4	-	b	2	-	55	45				
	Christiansund ...	999·0	59	SE	3	0	992·0	-4	61	+9	WSW	3	-	b	2	-	64	52				
	Skudesnaes ...	993·4	57	ESE	6	0	998·5	-1	55	-2	SE	5	-	c	4	23	59	50				
	Færder (Christiania Fjord)	1001·8	55	ESE	6	r	994·0	-1	57	+2	SSE	6	-	o	3	4	57	55				
	The Skaw (Skagen)	1001·4	54	SE	6	o	993·8	+1	57	0	S	4	-	b c	4	10	59	55				
	Blaavands Huk	997·0	61	SSE	4	r	995·6	+3	55	0	WSW	6	-	c	*	14	64	52				
	Copenhagen ...	1003·6	57	SSE	3	c	999·0	+1	59	+4	SW	2	-	o	*	5	59	55				
	Bornholm ...	1006·0	61	S	7	r	1000·8	0	59	+2	SW	4	-	r	1	1	61	55				
FRANCE, &c.	The Helder ...	994·0	61	S	5	r	999·2	+3	55	-2	SW	5	-	c	3	3	64	54				
	C. Gris Nez ...	998·4	59	WSW	7	o	1003·5	+1	55	-6	W	6	*	c	*	18	61	50				
	La Hève	1004·0	59	WNW	7	c	1007·1	*	55	-6	WSW	7	*	b c	6	Trace	64	54				
	Brest (St. Mathieu)	1005·8	65	W	7	b c	1008·6	0	59	0	WSW	3	*	0	*	7	63	54				
	Rochefort (Ile d'Aix)	1011·4	63	W	5	c	1013·1	+2	63	-3	WSW	5	*	r	*	5	75	61				
	Biarritz	1016·6	70	NW	3	o							*									
	Paris	1004·4	63	SW	4	o	1009·6	+3	55	-6	SW	2	-	b c	*	10	68	52				
	Belfort	1011·5	59	W	4	r	1014·7	*	52	-5	WSW	6	*	r	*	15	70	52				
	Lyons						1015·5	*	57		-	0	*	r	*	3	75	55				
	Nice	1009·9	63	W	5	b	1011·1	-1	66	0	WSW	2	*	b c		14	79	59				
	Perpignan ...						1016·8	+1	64	-2	S	1	-	c	*	-	81	59				
	Sanguinaire ...	1014·2	68	NW	3	c	1016·0	*	75	-4	W	2	*	c	*	-	90	68				
IBERIA, &c.	Corunna	1019·6	66	SW	3	r	1019·8	+1	68		SW	3	-	0	2 *	2	70	63				
	Madrid																					
	Lisbon																					
	Azores (Horta) ...	1029·0	*	NNE	4	b	1028·0	0	64	+1	NW	4	*	0	2	-	70	63				
	,, (P. Delgada)	?	*	?	1	b c	?	0	66	+2	-	0	*	0	1	-	72	64				
	Madeira	1022·6	75	NW	2	0	1028·8	0	66	-4	NE	3		b	3	-	75	66				
	Gibraltar	1019·3	71	NW	4	b	1018·9	*	64		NW	2	*	b	1	-	83	63				
	Palma																					
MEDITERRANEAN.	Algiers	1017·1	77	NNW	3	b c	1018·7		75		N	2	-	b	0	-	86	72				
	Malta	*	*	*	*	*	1015·9	0	79	-2	-	0	-	b	*	-	82	73				
	Salonica	1015·6	75	SE	2	b	1015·4	+1	71	-5	SSW	1	W	b c	0	-	91	66				
	Athens	1015·5	77	NNE	1	b	1015·5	+1	77		-	0	-	†	0	-	93	70				
	Candia	1014·0	77	NW	1	b	1013·6	0	79	+2	W	1	E	b	1	-	86	68				
	Limassol	*	*	*	*	*	1008·7	0	77		-	0	-	b	0	-	91	57				
	Alexandria ...	1012·4	77	N	2	b	1011·9	0	79	0	NW	2	NW	b	1	-	88	75				
	Cairo (Helwan) ...	1011·4	82	N	3	b	1011·9	+2	73	0	N	2	-	b	*	-	91	66				
	Jerusalem ...	?	72	NW	4	b	?	0	75	0	N	1	-	b	*	-	86	66				
	Ramleh	1011·0	79	NNW	1	b	1011·2	+1	81	0	-	0	-	c	*	-	91	66				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

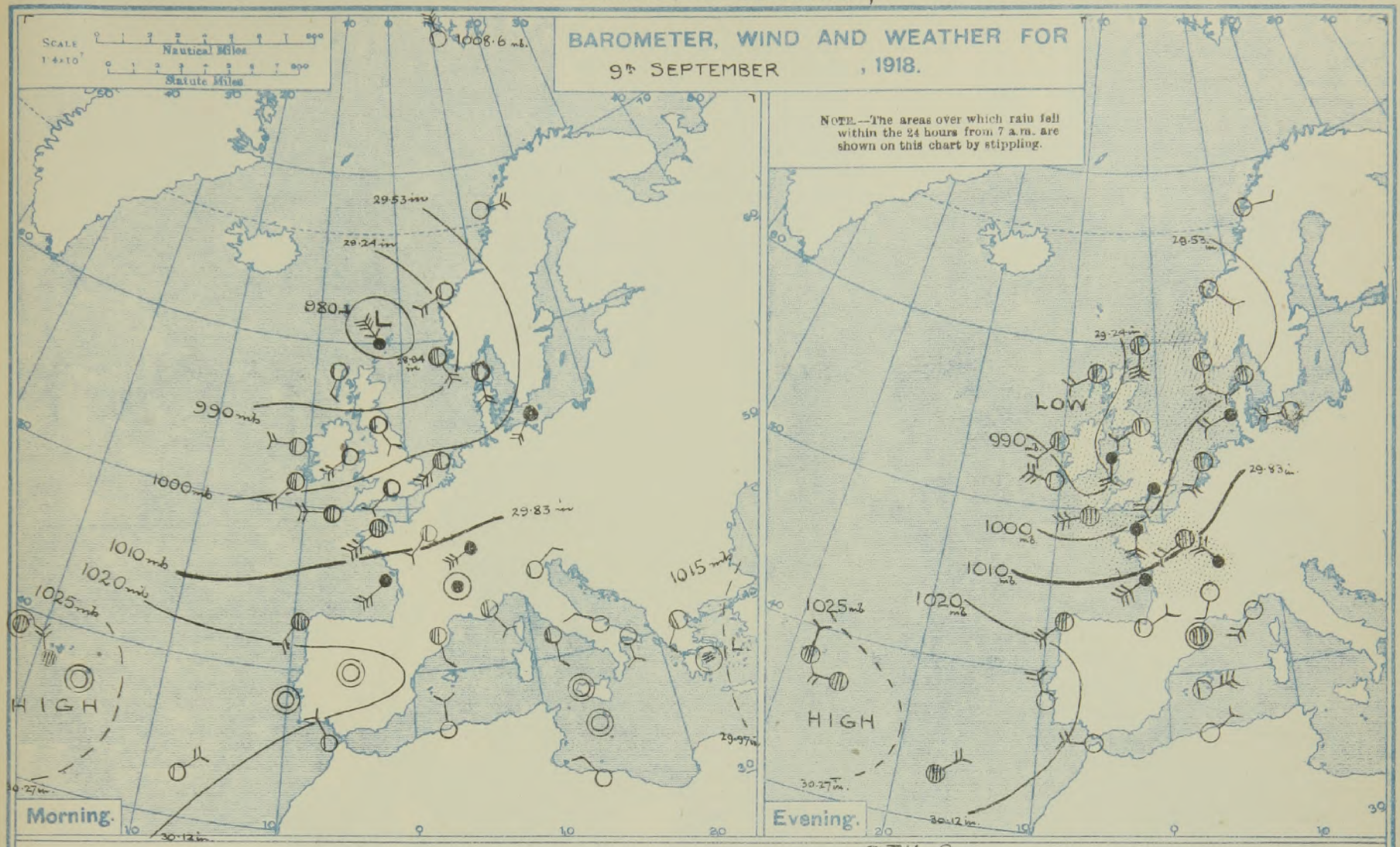
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20.746. TUESDAY, 10TH SEPTEMBER, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 9TH SEPTEMBER

	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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F.	°F.
RUSSIA.	Archangel ...														*	
	Petrograd ...															
	Moscow														*	
SWEDEN.	Hernösand ...						1011·4	*	52	+7	SE	6	c	*	*	*
	Stockholm ...						1016·2	*	59	+4	SSW	4	o	*	*	*
	Wisby						1003·4	*	59	+4	ESE	6	r	*	*	*
ITALY.	Venice						1011·1	*	68	0	NE	1	b	4	70	?
	Turin	1009·9	66	-	0	b	1010·3	*	?		-	0	o	7	73	61
	Pesaro						1012·4	*	72		-	0	b	13	86	63
	Leghorn ...	1013·1	75	-	0	c	1012·7	*	73	0	W	2	b	9	79	68
	Rome	1014·9	75	S	1	b	1014·6	*	75		S	1	bc	-	83	70
	Viesti							*								
	Brindisi	1014·6	75	SE	2	b	1013·0	*	73	+1	S	2	b	-	81	72
	Cagliari							*								
	Palermo						1015·7	*	75	+3	-	0	b	-	93	68
	Tripoli						1019·0	*	84	0	NNW	1	b	-	93	70

‡ The barometric change is expressed in half-millibars.

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 ...						
Reykjavik						
Vestmanna						
Seydisfjord						
Thorshavn						

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

10TH & 11TH SEPT. 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·19	11·50	6·21
	5·22	11·50	6·18
Greenwich	5·28	11·57	6·26
	5·30	11·57	6·24
Wick	6·32	12·9	6·46
	6·35	12·9	6·43
Valencia	6·8	12·38	7·8
	6·10	12·38	7·6

LONDON

10TH SEPT. 9h G.M.T.

	Humidity. 15 h. 9TH	Humidity. 9 h. 10TH	Sunshine for 9TH	24 Hours ended 9 h. 10TH: Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	60	66	7·7	66	53	46	6	c	oc. bc	or
CITY (Bunhill Row)	*	*	6·6	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)			6·8	65	54	49	9	bc	bc	
" (Admiralty Arch)	69	76	7·0	65	54	-	9	b.bc	c.o	r q b.
CAMDEN SQ. (British Rainfall)	57	69	5·7	68	52	47	9	b	bc or	*
KENSINGTON PALACE	62	67	7·2	65	53	46	9	c	c.or	*

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 9TH

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1022	26·1	66.

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

10th SEPT., at 1h. G.M.T.

THE MORNING OF TUESDAY, 10th SEPTEMBER 1918, at 7h. G.M.T.

LOW
985 mb.
LOW
990 mb.
995 mb.
1000 mb.
1005 mb.
1010 mb.
HIGH
1005 mb.
1025 mb.
1020 mb.
1015 mb.
HIGH
Barometer falling
Barometer rising
29·83 in.
29·68 in.
29·53 in.
29·38 in.
29·24 in.
29·09 in.
29·08 in.
29·12 in.
50°
60°
70°

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 ~~~.

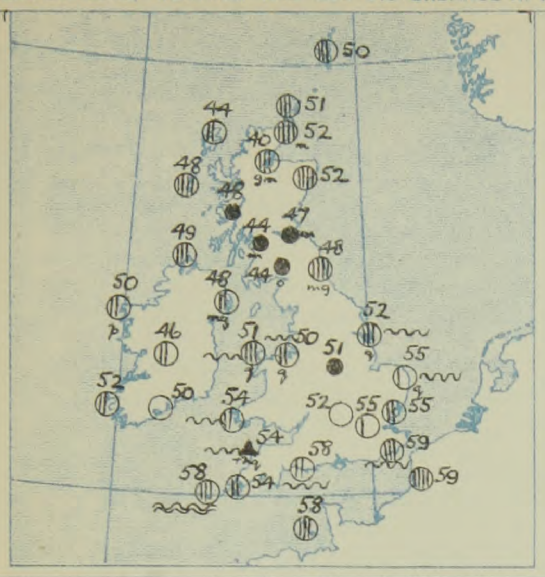
Scale 1 : 2·5×10⁷
Nautical Miles 0 100 200 300 400
Statute Miles 0 100 200 300 400 500

Normal Temperature of the Sea.

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

Scale of Tints for SEPTEMBER.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



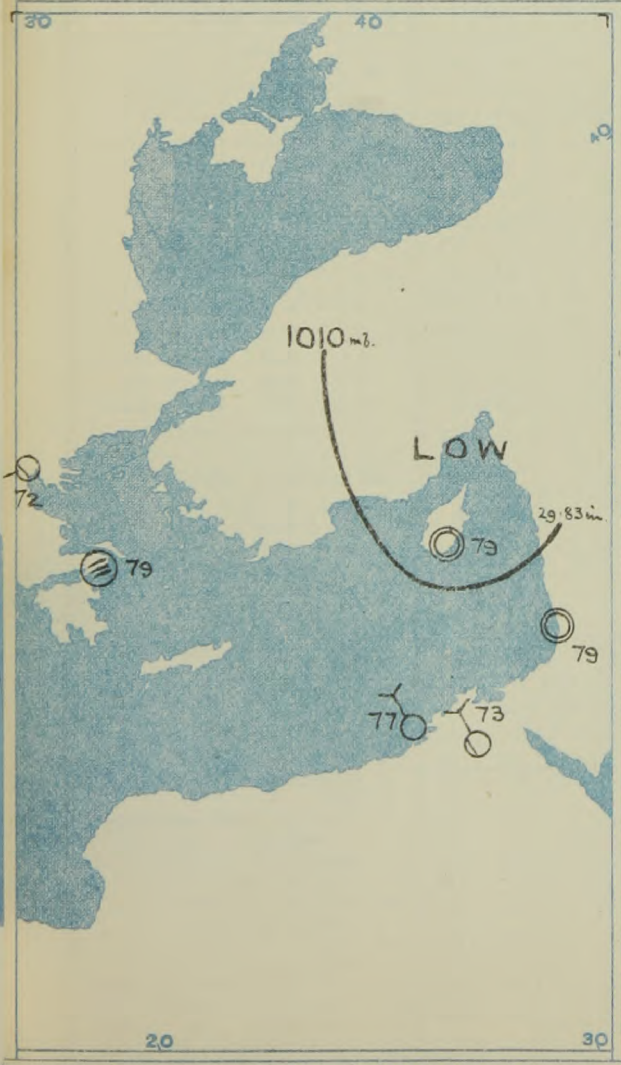
GALES.

HARTLAND PT. Gale 17h. to 21h. (9th) Extreme SSW. 9 at 19h.

DUNGENESS Gale from S.W. 20h. 9th to 5h. 10th.

PORTLAND BILL Gale 18h. 9th. to 2h. 10th. SW.

JERSEY Gale from S.W. during night.



STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

The day was very cool over the British Isles generally, the afternoon temperature nowhere exceeding 64°, and in many districts remaining below 60°. Rain was experienced everywhere, the measurements ranging up to 19 mm. at Liverpool. A thunderstorm passed over Spurn Head. There was little or no sunshine at the western end of the Channel, but elsewhere there were fairly good records, up to 11 hours at Nairn.

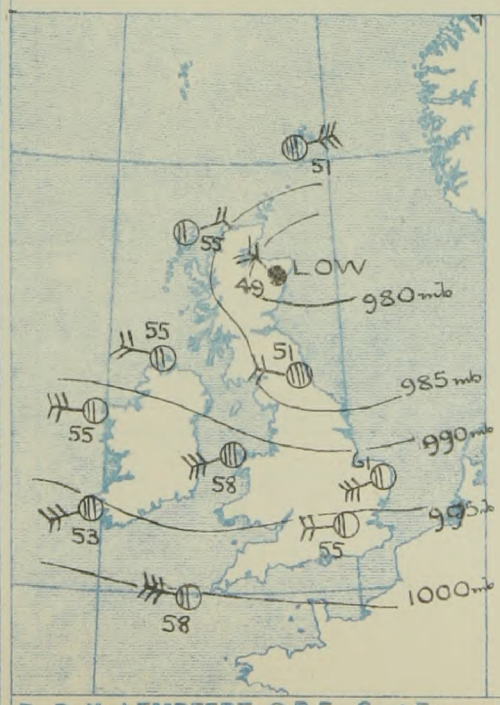
The Conditions at 7h. Today

The depression which was yesterday morning indicated out on the Atlantic has in the interval moved across the British Isles, and its central space is now found out on the North Sea, off the south-east of Scotland, where the barometer has fallen briskly to nearly 980 mb. A well established anticyclone still occupies the lower Atlantic and the Spanish region, pressure being at about 1027 mb. at the Azores. There is a complete cyclonic wind circulation round the North Sea area, the E. to N. current in the north and north-west only light to fresh in force, while the W. to S. current in the south-western and south-eastern quadrants is very squally, strong or high in force generally, a gale at Helder. The weather is in a changeable mood, from fine to dull, with smart passing showers of rain, and in places hail.

The Outlook

Though the barometer is at present rising over our southern and western districts, the wind on the western seaboard is not veering but shows a tendency to back again, as if beginning to feel the influence of another disturbance out on the ocean. The unsettled type of winds and weather is, therefore, likely to hold.

TUESDAY, 10th SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



The North Sea depression has deepened somewhat. The barometer continues to rise slowly in other localities but along the Kerry coast the wind is now backing South-Westerly.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No 253.

TUESDAY, 10TH SEPTEMBER

	STATIONS	EVENING OF 9TH					MORNING OF 10TH									24 HOURS ENDED 7 h 10TH						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 ...	991·4	49	S	5	bcm	990·4	−2	50	+4	E	5	E	c	3	0·4	51	43	c	c	c	*
	Deerness (Orkney)	990·2	50	S	2	cp	986·4	*	51	+3	E	4	SW	c	4	1	55	47	opc. bc	bc. pc.	cpc	5·0
	Stornoway ...	988·2	51	SW	3	bc	985·3	−1	44	+1	NNE	2	—	bc	1	5	57	41	b. bcp	bc.	bcp.	7·2
	Castlebay (Barra Isd.)	988·8	52	W	3	oc	985·4	−0	48	−4	—	0	—	o	1	1	55	48	bc	bc.pco.	o.bc.o	9·2
	Glasgow ...	991·9	51	SSW	1	cm	983·3	−2	44	−2	NE	1	—	omr	*	13	57	44	cpt	cpc	cmpor	6·0
	Eskdalemuir ...	992·6	49	S	4	cug	982·8	−2	44	0	SW	2	—	or	*	11	54	42	bc.cop	opoyc	cuton	6·0
	Malin Head ...	988·4	52	E	3	cv	985·4	+2	49	0	NNW	3	NW	cqp	3	14	56	46	bcqph	cqp	or	6·2
	Blacksod Point †	989·4	50	SW	2	bc	989·1	0	50	+1	W	4	—	bcp	4	1	56	46	bc	omd.	bcpbc	*
	Valencia (Cahirciveen)	992·1	56	WNW	5	b	994·3	+2	52	0	W	5	W	bc	4	9	59	50	or	or. bc	bcpq	1·0
	Roche's Point	988·0	55	WNW	3	o	993·8	*	50	−1	WNW	2	—	b	2	16	57	48	c. or	rf. co.	o b.	*
	Birr Castle	989·1	54	SW	1	r	991·3	*	46	−2	SW	1	SW	bc	*	2	56	43	c	cod.	orcbc	2·3
	Donaghadee ...	990·9	53	S	3	ogmp	984·9	+3	48	+3	WNW	5	NW	bcmq	4	3	60	43	b. fq	bc. mp	omrbc	*
	Liverpool (Bidston)	993·3	53	S	2	r	987·0	+2	50	0	WSW	7	W	bcq	5	19	60	49	bcp.	cor	poq. bc	7·2
	Holyhead ...	990·5	54	S	3	orm	988·5	+1	51	−1	W	6	NW	cq	5	14	60	50	b. bcqq	bc. cor	ormbc	7·1
	Pembroke (St. Ann's)	988·0	57	S	5	oqmr	993·0	+2	54	−1	W	6	W	bcq	6	11	58	53	bcq. pc	oq rm	mo. bcq	1·0
	Hartland Quay	990·4	61	SW	9	sn	995·5	+2	54	−4	WSW	5	—	crhq	6	13	61	52	pqrmd	dmrmq	omcpc	*
	Scilly (St. Mary's)	993·2	60	WSW	6	oqp	998·0	0	58	+2	WNW	6	W	c	7	8	60	49	opomr	omrop	dpcq	0·0
	Falmouth ...	992·4	60	WSW	7	odmq	996·8	0	54	0	WSW	5	SW	bcq	*	14	61	50	cogq	ororq	orepq	0·2
	Jersey (St. Aubin)	1001·4	61	S	4	or	999·1	*	58	0	SW	5	SW	c	4	12	64	54	oqro	or	or. bc	1·5
	Portland Bill ...	994·4	60	SW	8	or	994·2	0	58	0	W	6	W	bc	6	9	61	56	bc. c	cqr	bc	*
	Dungeness ...	1001·2	60	SW	6	cq	994·2	+2	59	+3	WSW	5	W	c	5	7	64	55	cpqc	cq	cqrc	*
	Wick	989·9	49	SW	2	bc	985·9	−2	52	+6	ENE	3	—	om	3	3	57	46	omb. b	bcp	bcmor	*
	Nairn	989·3	51	W	1	bc	984·0	*	40	−6	—	0	—	cgm	0	0·3	60	36	pbc.	bcgp	bc	10·9
	Aberdeen ...	991·2	54	SSW	2	b	983·0	−4	52	+4	ENE	4	—	o	4	—	61	42	b. bcyr	bcryb	bz.o	9·2
	Leith	991·0	56	SW	2	c	982·1	−1	47	0	SW	2	—	r	2	11	61	47	cce b	b.	bcper	*
	Tynemouth ...	993·4	56	WSW	2	bcm	981·5	0	48	0	WNW	3	—	omg	3	13	60	48	bcm	bc m.	oror	*
	Spurn Head ...	995·8	57	SSW	4	cqr	984·8	+7	52	+3	WSW	6	—	cq	5	6	60	49	bcqp	clt pq	orcpq	4·1
	Yarmouth (Gorleston)	1000·9	58	WSW	3	c	990·4	+5	55	+7	W	5	—	bq	5	12	64	49	b. bc	bc. cp.	orqmb	9·4
	Clacton-on-Sea	1000·6	60	S	5	c	992·5	+3	55	+2	W	4	NW	bc	4	8	65	52	bcy	bcyc	ogr bc	8·6
	Nottingham ...	996·0	56	S	3	or	988·2	*	51	+3	SW	3	—	or	*	7	63	48	bcpc	c or	r	7·3
	Benson (Oxon.) ...	996·6	54	S	4	r	991·9	+1	52	+2	WSW	4	—	b	*	8	63	50	bc. o	or.	or b.	*
	Sth Farnborough	998·0	55	S	5	r	993·6	+2	54	+3	SW	5	SW	b	*	11	64	50	bvop.	or	oroq. b	6·6
	Salisbury Plain	996·8	53	SW	2	r	994·2	+2	52	+1	SW	3	W	bc	*	11	62	49	cobqr	or	oc bcq	6·0
	London (Kew Obsy.)	999·0	58	SSW	3	r	993·3	+2	55	+4	SW	3	—	b	*	10	64	51	bcvbcov	ovroor	orbc. b	6·8
NORTHERN EUROPE.	Spitsbergen ...												x		*	*						
	Vardö															*						
	Bodö	1006·3	55	E	1	b	1004·7	−2	54	0	E	4	—	b	2	—	59	50				
	Christiansund ...	994·8	61	SE	2	b	996·4	−2	50	−11	NW	2	—	o	2	8	64	48				
	Skudesnaes ...	996·4	52	S	3	bc	990·7	−2	54	−1	ESE	4	—	b	3	2	54	50				
	Færder (Christiania Fjord)	997·8	55	SW	5	bc	997·5	−2	55	−2	SSE	4	—	bc	3	trace	59	52				
	The Scaw (Skagen)	999·5	55	SW	2	c	996·0	−4	57	0	SE	3	SE	c	3	—	61	50				
	Blaavands Huk	1002·2	55	WSW	3	r	989·5	−14	52	−3	SSE	6	—	r	*	6	59	50				
	Copenhagen ...	1003·8	55	WSW	3	b	999·9	−5	55	−4	SE	5	—	r	*	—	61	52				
	Bornholm ...	1005·1	55	W	4	b	1004·3	−3	55	−4	SW	4	—	o	1	2	59	50				
FRANCE, &c.	The Helder ...	1002·6	59	SSW	4	bc	988·8	+0	61	+8	SW	8	—	c	4	7	61	54				
	C. Gris Nez ...	1003·4	59	SW	6	o	994·8	+1	59	+4	WSW	6	*	o	6	6	63	55				
	La Hève	1003·8	57	S	6	r	999·0	*	54	−1	W	6	*	r	—	4	63	54				
	Brest (St. Mathieu)	1001·8	61	SW	6	r	1002·5	+1	59	0	W	5	*	c	6	5	61	52				
	Rochefort (Ile d'Aix)	1012·0	66	SW	6	r	1005·4	−1	66	+3	WSW	7	*	o	*	3	66	63				
	Biarritz	1016·4	68	NE	2	b	1013·6	−1	63	—	SE	2	*	b		—	75	61				
	Paris	1009·6	59	SSW	3	o	1006·6	−3	61	+6	ESE	3	—	o	*	7	68	55				
	Belfort	1015·1	55	NW	4	r	1009·8	*	64	+12	WSW	7	*	c	*	2	64	52				
	Lyons	1016·0	63	—	0	b	1013·6	*	59	+2	—	0	*	c	*	1	68	59				
	Nice	1010·7	73	SW	4	b	1014·2	+1	70	+4	E	2	*	b		—	84	59				
	Perpignan ...	1017·6	68	—	0	o	1014·0	−2	63	−1	—	0	—	bc	*	—	82	55				
	Sanguinaire ...	1017·5	75	NW	3	o	1017·0	*	73	−2	E	2	—	b		—	90	68				
IBERIA, &c.	Corunna	1019·4	70	SW	5	c	1016·2	+1	64	−4	SSW	5	—	o	4	—	73	64				
	Madrid														*							
	Lisbon	1021·4	72	NNW	4	b	1022·2	+1	66	—	NW	1	—	o	5	—	73	63				
	Azores (Horta) ...	1027·8	*	N	2	c	1027·0	0	68	−1	—	0	*	b	1	—	75	63				
	,, (P. Delgada)	1026·7	*	W	3	r	1026·0	+1	63	−3	N	1	*	b	1	—	72	63				
	Madeira	1023·5	73	NE	3	o	1024·2	−0	68	+2	NE	3	—	bc	3	—	75	66				
	Gibraltar ...	1018·3	70	W	3	b	1018·3	*	67	+3	W	3	*	b	0	—	81	62				
	Palma	1017·8	84	ENE	5	b	1017·5	0	79	—	N	2	—	b	5	—	91	68				
MEDITERRANEAN.	Algiers	1018·2	75	NE	2	b	1017·1	0	73	−2	—	0	—	b		—	88	70				
	Malta	*	*	*	*	*	1016·2	+2	77	−2	NW	3	—	b	1	—	77	70				
	Salonica	1012·5	75	—	0	b	1012·2	0	72	+1	W	1	—	b	*	0	90	65				
	Athens ...	1013·4	75	WSW	1	b	1011·8	+0	79	+2	—	0	—	f	0	—	86	73				
	Candia ...																					
	Limassol	*	*	*	*	*	1009·8	+1	79	+2	—	0	—	b	0	—	90	59				
	Cairo ...	1010·8	82	N	2	b	1011·9	+1	73	−6	N	2	W	b	0	—	93	66				
	Alexandria ...	1011·8	77	NW	2	b	1011·9	0	77	+4	N	2	—	b	*	—	88	75				
	Jerusalem ...	—	72	NW	3	b	—	—	73	−2	—	0	—	b	*	—	86	63				
	Ramleh	1010·3	79	NW	1	b	1011·4	+1	79	−2	—	0	—	b		—	90	66				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

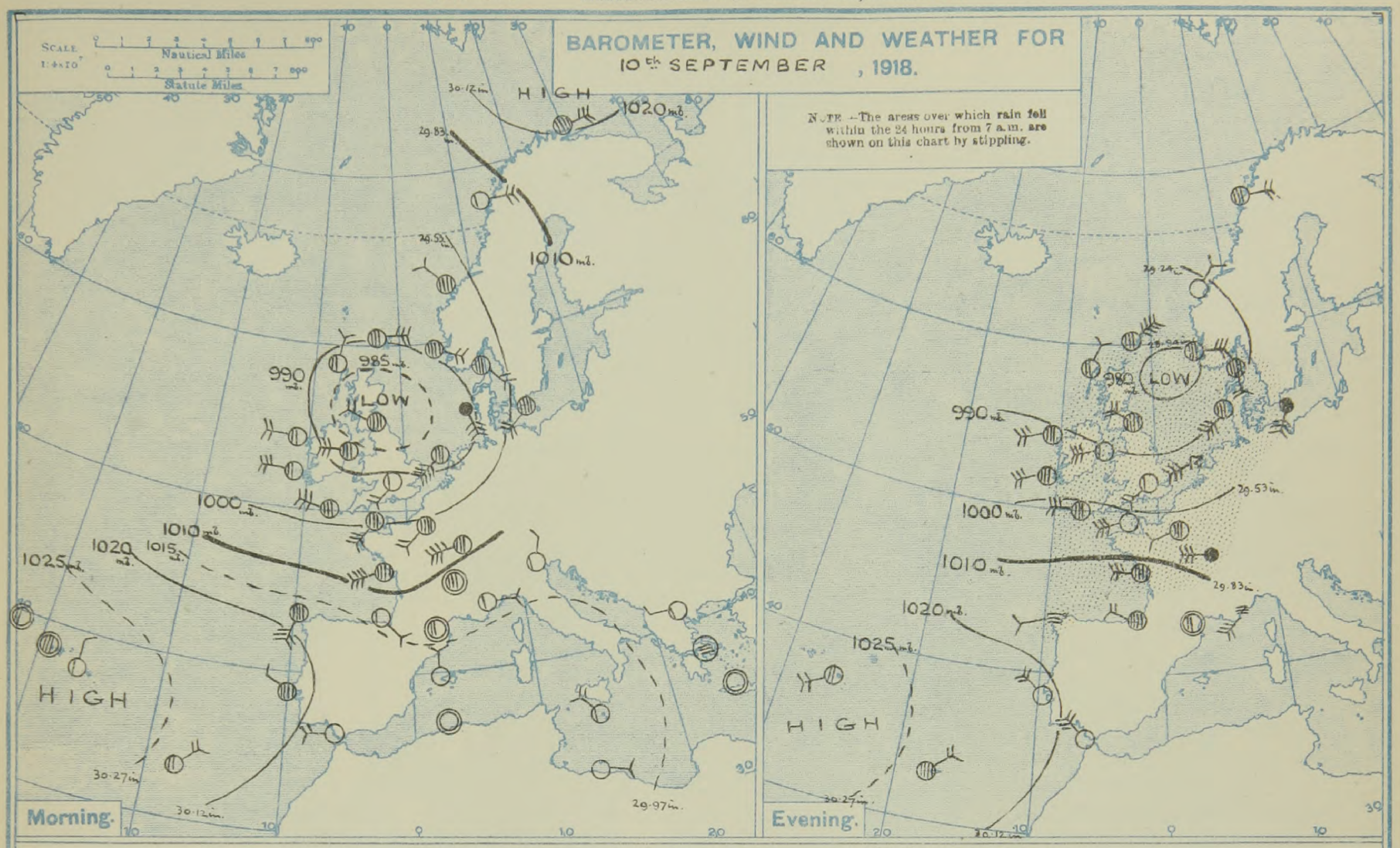
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20,747 WEDNESDAY, 11th SEPT., 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 10th SEPTEMBER

	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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F.	°F.
RUSSIA.	Archangel ...														×	
RUSSIA.	Petrograd ...															
RUSSIA.	Moscow														×	
SWEDEN.	Hernösand ...	1007·5	54	S	4	r		×						×	×	×
SWEDEN.	Stockholm ...	999·8	55	SSE	6	r		×						×	×	×
SWEDEN.	Wisby	1002·3	54	WSW	4	r		×						×	×	×
ITALY.	Venice						?	×	68	0	NNE	1	b	–	77	64
ITALY.	Turin						1043	×	63		–	0	0	–	75	61
ITALY.	Pesaro	1013·3	70	–	0	b		×								
ITALY.	Leghorn ...						1015·4	×	73	0	W	1	bc	Trace	77	72
ITALY.	Rome	1016·2	68	–	0	b		×								
ITALY.	Viesti	1012·6	77	–	0	b		×								
ITALY.	Brindisi	1011·9	75	E	2	?		×								
ITALY.	Cagliari							×								
ITALY.	Palermo	1016·6	79	–	0	b		×								
ITALY.	Tripoli						1018·6	×	81	–3	ESE	2	b	–	98	60

Morning of 10th

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						

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

11th AND 12th SEPT 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·22	11·50	6·18
	5·23	11·49	6·16
Greenwich	5·30	11·57	6·24
	5·31	11·56	6·22
Wick	5·35	12·9	6·43
	5·37	12·8	6·40
Valencia	6·10	12·38	7·6
	6·11	12·37	7·4

LONDON 11th SEPT. ...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)	60	76	10·0	63	46	37	Trace	cl.-q.	cq.	bc. bw.
CITY (Bunhill Row)	×	×	8·9	×	×	×	×	×	×	×
WESTMINSTER (St. James's Park)	61	76	9·7	63	49	44	1	×	×	×
" (Roof near Charing Cross) ..	60	79	9·9	64	50	×	0·3	ofc	fr.-hg.bc	bl. bt.
CAMDEN SQ. (British Rainfall)	59	71	7·7	63	47	41	Trace	bc. or.	bc.	×
KENSINGTON PALACE	65	79	9·8	62	47	36	1·0	cq/fr	bc	×

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

SOUTH KENSINGTON (M.O.)

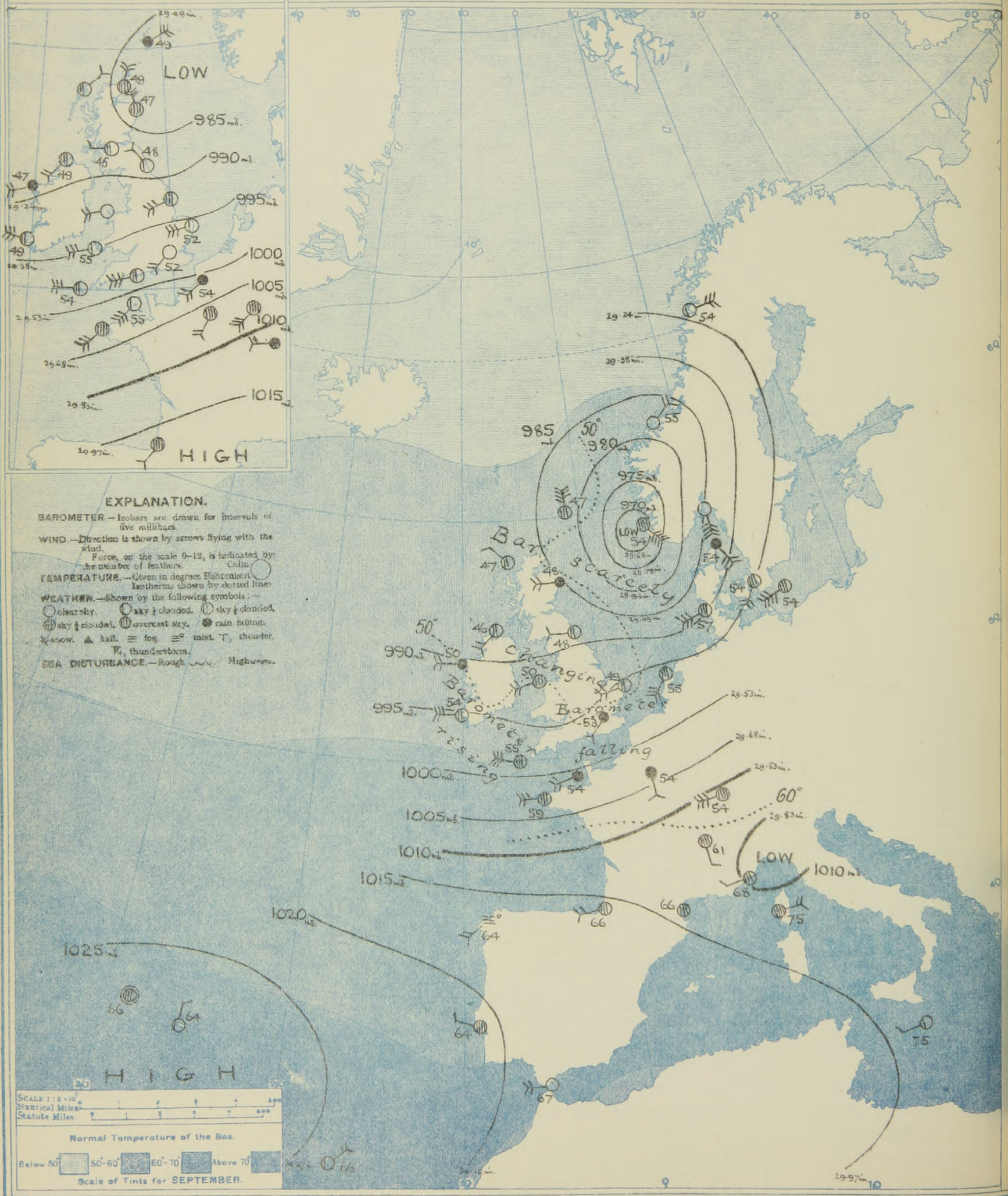
Vertical Component of Solar Radiation per square Centimetre during 10th

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1270	27·2	73·5

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.

11th SEPT., at 1h. G.M.T. — THE MORNING OF WEDNESDAY, 11th SEPTEMBER 1918, at 7h. G.M.T.



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.
F_1, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ~~~.

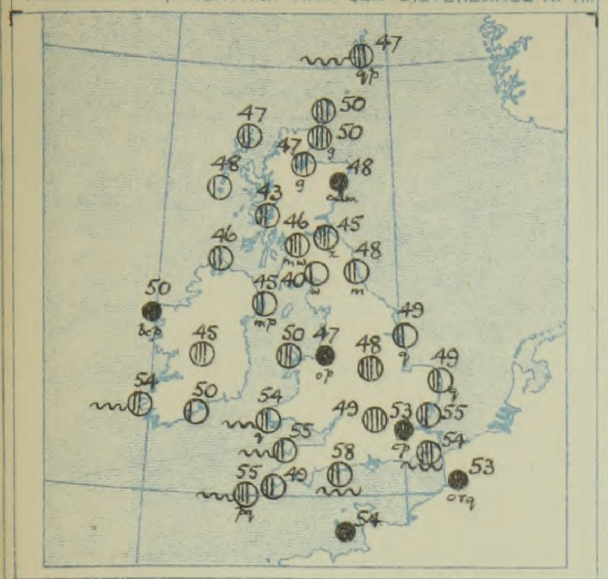
SCALE 1 : 2·10⁷
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea.

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

Scale of Tints for SEPTEMBER.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

LERWICK
Gale, ENE 8 from 17hrs. to 19 hrs. (10th.)

GUERNSEY.
Gale W. 8 at Noon (10th.)

LIVERPOOL
Extreme 23 metres per sec.-morning 10th

ABERDEEN
Gust 21 metres per sec. - afternoon 10th.

STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

Very cool conditions ruled in all districts, temperature remaining below 60° at the majority of stations, below 55° at several. Rain was general, mostly in showers, but at Aberdeen 21 mm. was registered. Hail fell in several districts, thunder or lightning was noted in places, a thunderstorm at Hartland Quay. There was no sunshine in the north of Scotland, but elsewhere good records prevailed, up to 11 hours at Liverpool.

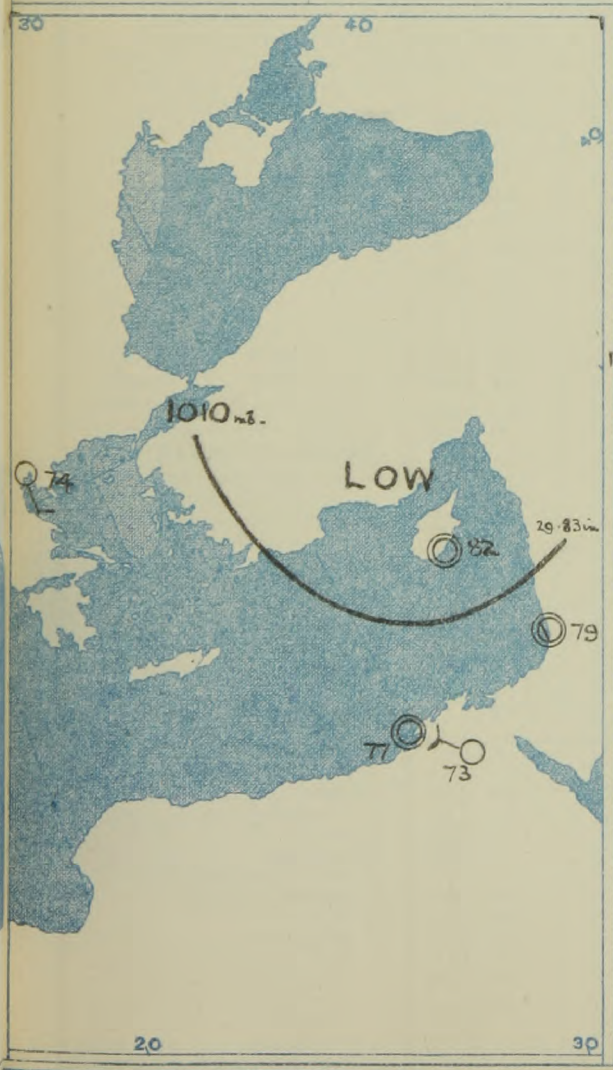
The Conditions at 7h. Today

The depression which yesterday morning reached the North Sea has made no progress since, but it has become appreciably deeper, the barometer now standing as low as 970 mb. at Skudesnaes. On the southern side of the system a shallow secondary is moving eastward across Wales and the Midlands. Pressure continues high across the middle region of the Atlantic and westward to America. A complete cyclonic wind circulation is maintained round the North Sea area, but only Skudesnaes reports a SE. wind of gale force, squally, fresh to strong winds prevailing. The weather is in a very variable state, frequently fine and cloudless, at other times dull and showery.

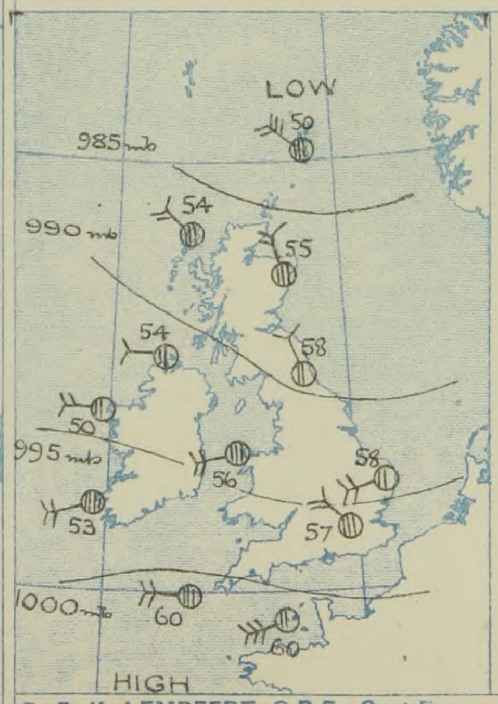
The Outlook

The barometer is at present rising in the south-west of England and the south of Ireland, but the wind there shows no disposition to veer, so that it is probable the situation will remain of the same changeable, breezy and showery character for the present

J.J.



WEDNESDAY, 11th SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



The afternoon observations show a considerable check in the rise of the barometer on the Kerry coast, where also the wind has backed towards south-west.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 254

WEDNESDAY, 11TH SEPTEMBER.

EVENING OF 1918 — MORNING OF 11TH — 24 HOURS ENDED 7 h 11TH

	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 10TH Hours.
			°F.					‡	°F.	°F.							°F.	°F.				
BRITISH ISLANDS.	Lerwick ...	983.9	50	ENE	8	c	982.3	0	47	-3	N	7	N	cqpr	5	5	52	45	cq	c	oqrr	*
	Deerness (Orkney)	983.0	50	NNE	5	r	983.4	*	50	-1	NNW	5	W	c	4	9	54	48	c.q	or.	rpc.q.	0.0
	Stornoway ...	986.2	53	NE	2	bc	987.9	+1	47	+3	NW	1	-	bc	0	1	58	43	bc	bcptl.	bcp	5.0
	Castlebay (Barra Isd.)	987.1	54	WNW	2	b	988.6	+1	48	0	NE	2	-	b	2	-	55	46	gc	c.b.	b.	7.4
	Glasgow ...	987.2	51	W	3	bc	989.6	+1	46	+2	SW	1	W	cmw	*	12	53	43	r	o.c.bc	bcb.bc	2.2
	Eskdalemuir ...	987.0	48	W	4	bcv	989.6	0	40	-4	-	0	-	bw	*	5	52	37	or.o.or	orm.bc	bcv.bw	1.5
	Malin Head ...	987.7	53	W	4	bcq	988.3	0	46	-3	SW	3	-	bc	4	1	56	46	bc	bcp.	bcp	8.3
	Blacksod Point	990.4	51	WSW	5	cqpr	990.2	+2	50	0	W	4	NW	bcp	4	1	56	46	bcqp	bcqp.	cqpcp	*
	Valencia (Cahirciveen)	995.6	52	WSW	5	c	995.4	+5	54	+2	W	5	W	bc	5	7	57	48	bchp	c.bcp	cpq	7.8
	Roche's Point	996.7	55	W	3	b	995.1	*	50	0	W	4	W	b	3	3	59	47	bc cp.b	b.bc.b	b.bc.b	*
	Birr Castle ...	993.4	51	SW	1	c	992.1	*	45	-1	SW	1	-	c	*	3	57	44	cp	cp	cp	6.6
	Donaghadee ...	989.3	54	WSW	5	bcqpr	989.6	0	45	-3	WSW	3	W	bcmpr	2	1	58	42	bcmq	bcqpr.	bcmqpr	*
	Liverpool (Bidston)	990.7	55	WSW	6	b	991.0	-1	47	-3	SSW	3	W	cp	2	2	58	47	bcq	bc h.bc	h.bc.o	11.0
	Holyhead ...	991.8	55	WSW	6	bq	990.7	0	50	-1	WSW	4	W	c	3	0.1	60	49	c.bc.cq	cp.bc.b	b.bcp.c	10.5
	Pembroke (St. Ann's)	996.3	56	W	6	bcq	994.3	+2	54	0	W	5	NE	bcq	6	0.4	57	51	bcq	bcqpr	bcqpr	7.6
	Hartland Quay	999.0	57	WSW	7	cqpr	996.4	+1	55	+1	WSW	5	-	bc	6	9	59	51	c.cpq.c.	cpq.c.	hqtt	*
	Scilly (St. Mary's)	1001.8	56	W	5	cq	999.7	+1	55	-3	WNW	6	W	cpq	5	7	60	49	cqp.bc	cqpr	bcpql	8.9
	Falmouth ...	1000.7	56	WSW	5	bqv	999.1	+3	49	-5	WSW	4	W	bc	*	4	60	49	cpq.	bcqtyq	qp.cp.	9.7
	Jersey (St. Aubin)	1003.5	59	WSW	6	b	1000.6	*	54	-4	WSW	4	-	r	3	11	62	52	c.bqp.b	b	b.or.	9.0
	Portland Bill ...	998.0	58	WSW	6	bc	995.7	-2	58	0	W	6	SW	bc	6	2	59	54	bcqr	bcp.	bcl	*
	Dungeness ...	997.4	58	WSW	6	bq	996.6	-5	54	-5	WSW	6	W	cq	5	3	63	50	cqp.c.	cqp. c.	cqp.cp	*
	Wick	983.5	50	NNE	6	omqr	984.6	+1	50	-2	NW	3	-	oq	3	10	53	48	omq	omqqr.	omrtq	*
	Nairn	983.8	51	NW	2	ov	986.3	*	47	+7	WNW	1	-	cq	1	5	53	38	cpr.o.	hqo.	opw	0.0
	Aberdeen ...	981.2	47	NW	5	r	985.2	+2	48	-2	W	4	-	odm	3	21	53	47	or.	orq	orq.od.	0.0
	Leith	984.7	52	W	3	c	987.7	0	45	-2	W	2	W	c2	2	7	55	44	r	v. o. c.	c.bc.c	*
	Tynemouth ...	984.7	53	WNW	4	omq	989.1	+1	48	0	W	2	-	bcm	2	2	54	45	omqp.	omqp.	bcm	*
	Spurn Head ...	989.2	57	WSW	5	cqpr	991.8	0	49	-3	SW	4	-	bcq	4	2	58	46	bcq	cqpr	bcq	3.7
	Yarmouth (Gorleston)	993.8	55	WSW	6	bcq	995.4	-1	49	-6	WSW	4	-	bcq	3	1	62	46	bcq.	bcqp.	bqtbc	10.4
	Clacton-on-Sea	995.7	57	WSW	4	bc	996.0	-2	55	0	SSW	3	SW	bc	3	1	62	51	bc	bc	bcl	8.8
	Nottingham ...	992.6	58	WSW	2	b	992.7	*	48	-3	SW	2	SW	o	*	Trace	61	45	bc.c.	bcp	b	10.3
	Benson (Oxon.) ...	996.3	54	WSW	3	b	994.2	-3	49	-3	SSW	3	-	o	*	2	60	45	b or	bc	bcr.o.	*
	Sth Farnborough	997.3	55	WSW	5	b	995.8	-3	51	-3	SW	4	SW	cp	*	1	61	47	bcp.cp.	cp.cp.b	blbcqp	9.4
	Salisbury Plain	998.3	59	SW	3	bc	995.3	-4	51	-1	SW	2	SW	o	*	1	64	43	c.oqpr	c.bc	c.opw	9.3
	London (Kew Obsy.)	997.0	57	SW	3	b	995.3	-2	53	-2	SW	2	W	cp	*	1	60	49	b.bcpq	bv.cp.bv.	bv.bc	9.6
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö															*						
	Bodö	1000.3	54	E	4	c	996.0	-3	54	0	E	5	-	b	1	-	54	50				
	Christiansund ...	995.4	50	NE	2	b	981.6	0	55	+5	NE	3	-	b	3	-	54	48				
	Skudesnaes ...	980.0	54	E	5	c	970.0	-4	54	0	SE	8	-	o	5	10	55	50				
	Færder (X'tania Fjord)	987.6	55	SW	4	o	985.1	-1	54	-1	S	7	-	o	4	11	55	52				
	The Scaw (Skagen)	987.6	55	S	3	o	986.6	-1	54	-3	SSE	5	-	r	5	5	59	52				
	Blaavands Huk	990.0	56	SW	6	c	989.2	+1	57	+5	WSW	6	-	c	*	5	61	50				
	Copenhagen ...	993.8	57	SW	2	o	995.1	+1	54	-1	SW	4	-	c	*	5	59	52				
	Bornholm ...	995.8	57	SSW	6	r	997.5	+2	54	-1	WSW	7	-	c	2	16	59	52				
FRANCE, &c.	The Helder ...	991.9	59	SW	6	tlr	995.4	+1	55	-6	SW	5	W	c	8	1	63	54				
	C. Gris Nez ...	999.2	59	W	8	c	997.0	-3	52	-7	W	8	*	r		19	66	50				
	La Hève	1004.2	60	WSW	6	r	1001.2	*	55	+1	SW	7	*	r	6	9	61	52				
	Brest (St. Mathieu)	1006.2	57	W	5	o	1003.2	+1	59	0	W	5	*	c		1	63	57				
	Rochefort (Ile d'Aix)	1010.6	63	W	5	o							*		*							
	Biarritz	1014.8	68	WNW	3	o	1015.6	+1	66	+3	WSW	3	*	c		-	77	63				
	Paris	1005.0	59	SW	2	o	1004.8	-2	54		S	2		r	*	18	66	54				
	Belfort	1008.0	57	W	6	r	1011.1	*	54	-10	W	6	*	o	*	19	69	54				
	Lyons						1012.0	*	61	+2	S	1	*	o	*	1	77	59				
	Nice	1013.4	66	SW	5	§	1009.0	-1	68	-2	W	1	*	c		13	77	59				
	Perpignan ...	1012.6	70	-	0	bc	1014.6	+1	66	+3	-	0	-	c	*	-	81	63				
	Sanguinaire ...	1015.9	75	S	2	b	1013.0	*	75	+2	E	3	*	o		-	88	66				
IBERIA, &c.	Corunna	?	64	WSW	2	m	1017.8	+1	64	0	SW	3	SW	m	3	4	68	?				
	Madrid														*							
	Lisbon	1021.1	70	NW	4	b	1021.6	+1	64	-2	WNW	1	-	o	?	Trace	73	63				
	Azores (Horta) ...	1026.3	*	SW	4	c	1025.5	0	66	+3	-	0	*	c	1	-	77	63				
	,, (P. Delgada)	1025.8	*	WSW	4	bc	1025.8	+3	64	+1	N	1	*	b	2	-	73	63				
	Madeira	1023.6	73	NE	3	o	1024.4	+1	66	-2	NE	3	-	b	3	-	77	66				
	Gibraltar	1018.6	74	NW	5	b	1018.6	*	67	0	W	4	*	b	1	-	86	65				
	Palma																					
MEDITERRANEAN.	Algiers																					
	Malta	*	*	*	*	*	1014.8	+1	75	-2	W	1	-	bc	0	-	82	68				
	Salonica	1018.7	76	-	0	b	1012.6	1	74	+2	S	1	-	b	*	-	91	67				
	Athens																					
	Candia																					
	Limassol	*	*	*	*	*	1008.0	+1	82	+3	-	0		b	0	-	90	61					
	Alexandria ...	1012.8	77	N	2	b	1012.7	0	77	+4	-	0	-	b	0	-	88	73					
	Cairo (Helwan) ...	1010.8	84	N	2	b	1011.9	+1	73	-4	NW	2	-	b	*	-	93	66					
	Jerusalem ...	*	72	WNW	3	b	*	0	75	+2	-	0	-	b	*	-	86	64					
	Ramleh	1011.0	77	NW	1	b	1012.0	0	79	0	-	0	-	b	*	-	88	66					

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

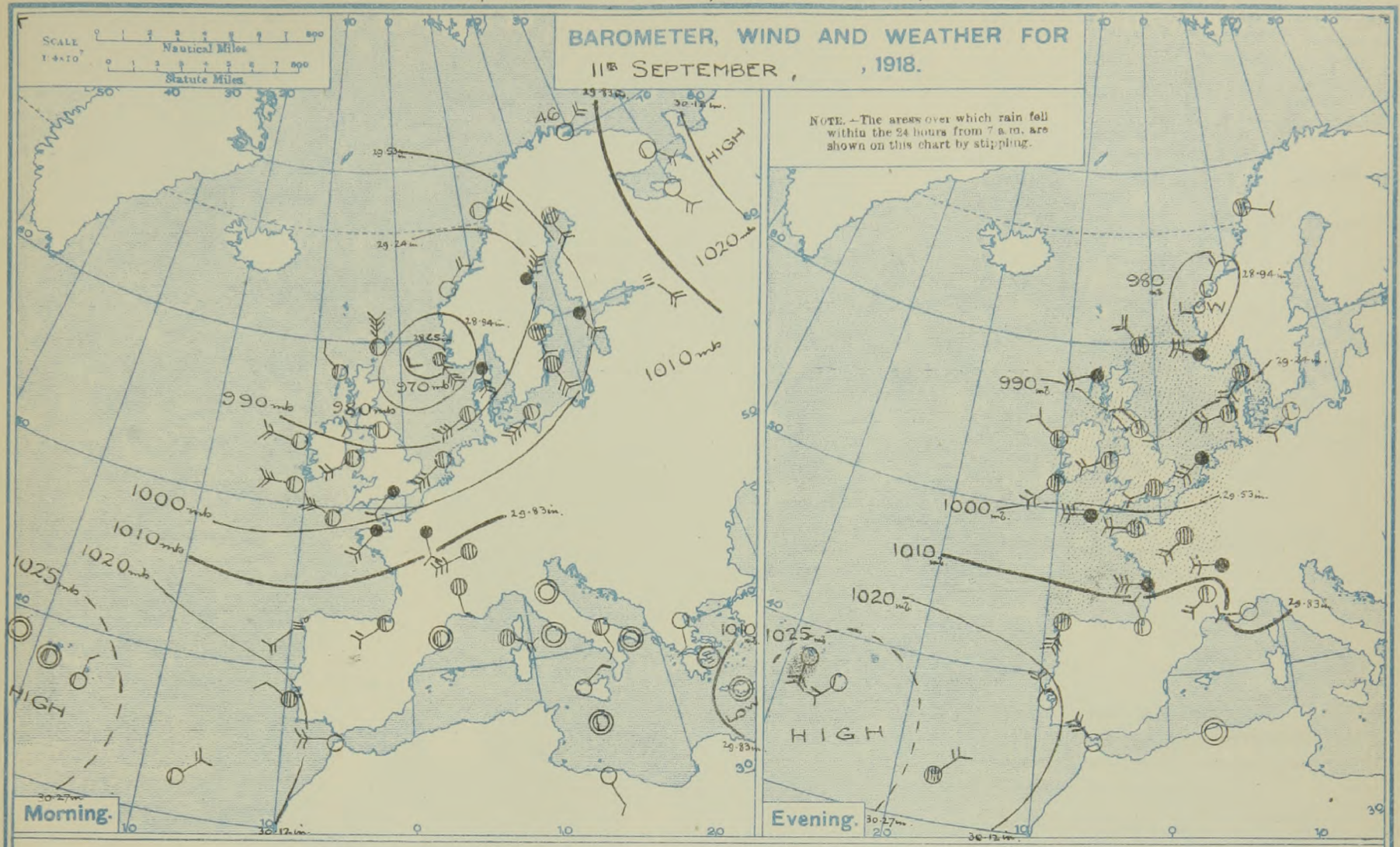
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20,748 — THURSDAY, 12th SEPTEMBER, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 11TH SEPTEMBER

	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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min
			°F.					‡	°F.	°F.					°F.	°F.
RUSSIA.	Archangel ...														*	
	Petrograd ...															
	Moscow														*	
SWEDEN.	Hernösand ...							*						*	*	*
	Stockholm ...							*						*	*	*
	Wisby							*						*	*	*
ITALY.	Venice						1008·6	?	?	—	?	?	b	—	74	?
	Turin	1009·4	66	—	0	b	1007·7	*	63	0	—	0	c	—	73	59
	Pesaro	1013·1	73	—	0	b	1011·7	*	?	—	—	0	?	—	84	63
	Leghorn ...	1014·7	73	—	0	b	1011·4	*	73	0	—	0	b	—	79	66
	Rome	1016·3	72	SW	1	b	1014·5	*	68	−5	—	0	b	—	82	63
	Viesti	1015·1	79	E	1	b	1011·5	*	75	+2	SE	1	c	—	77	68
	Brindisi	1014·6	73	—		b	1014·5	*	70	—	—	0	b	—	70	64
	Cagliari							*								
	Palermo						1015·7	*	69	−3	ENE	1	b	—	86	63
	Tripoli						1017·5	*	77	−4	SSE	1	b	—	?	?

Morning of 11th

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						

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

12th & 13th SEPT, 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5 23	11·49	6·16
	5 25	11 49	6
Greenwich	5 31	11·56	6·27
	5·33	11·56	6
Wick	5·37	12·8	6·40
	5 39	12·8	6·37
Valencia	6 11	12·37	7·4
	6 13	12·37	7·1

LONDON 12th SEPT. 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)	57	70	7·5	64	49	41	0·5	c	or	—
CITY (Bunhill Row)	*	*	6·7	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	62	77	8·0	64	50	45	1	*	*	*
„ (Roof near Charing X) ..	64	57	7·8	63	51	*	0·7	bc.c	pc.bc	b.o.p
CAMDEN SQ. (British Rainfall)	66	75	6·4	64	48	43	2·3	b.bc	bc.[illegible]bc	*
KENSINGTON PALACE	63	80	7·4	63	49	37	1·5	bc	bc c	*

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

SOUTH KENSINGTON (M.O.)

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

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1120	24·1	75·5

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.

12th SEPT., at 1h. G.M.T.

THE MORNING OF THURSDAY, 12th SEPTEMBER 1918, at 7h. G.M.T.

EXPLANATION.

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

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

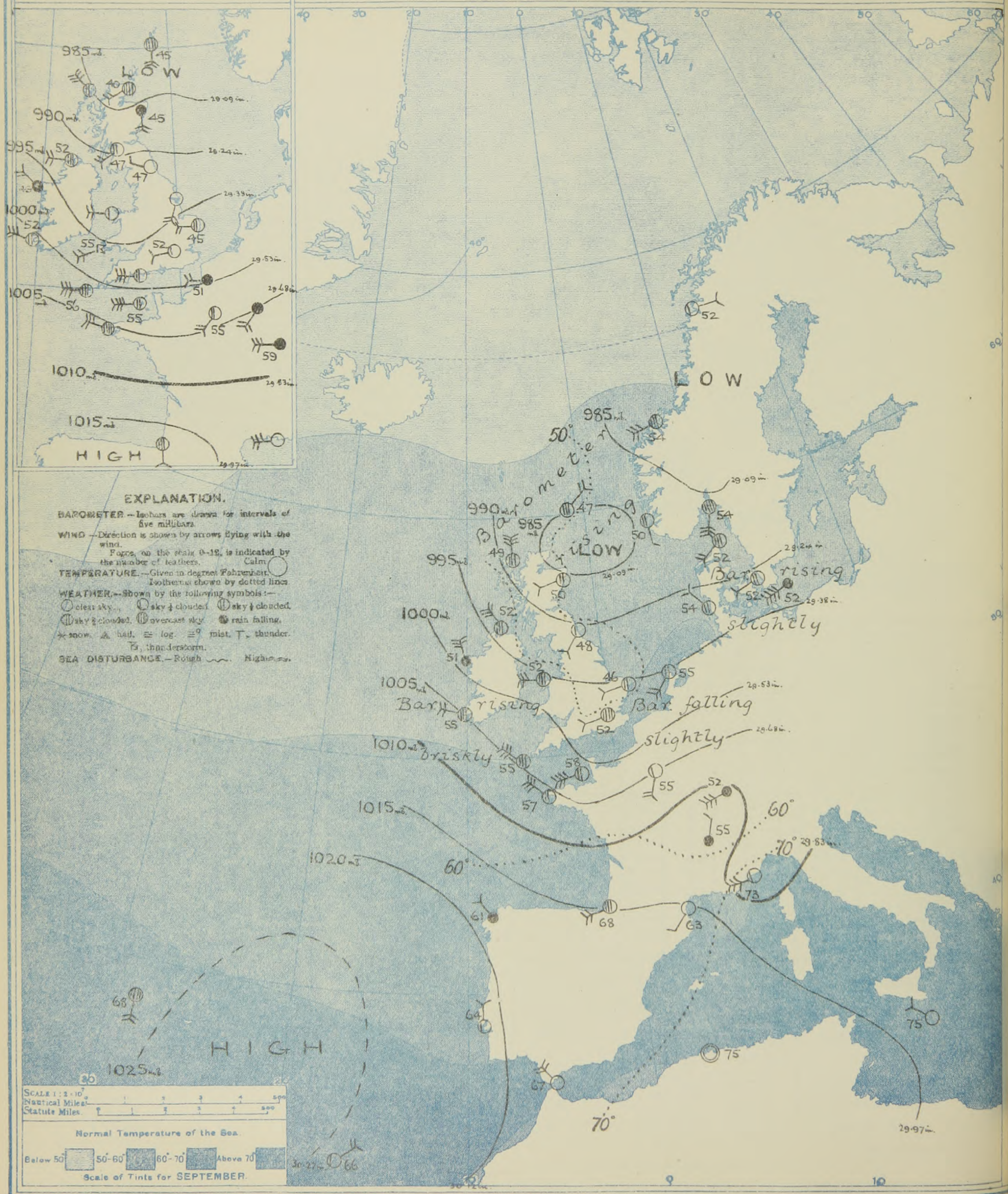
Force, on the scale 0–12, is indicated by the number of feathers. Calm ○

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

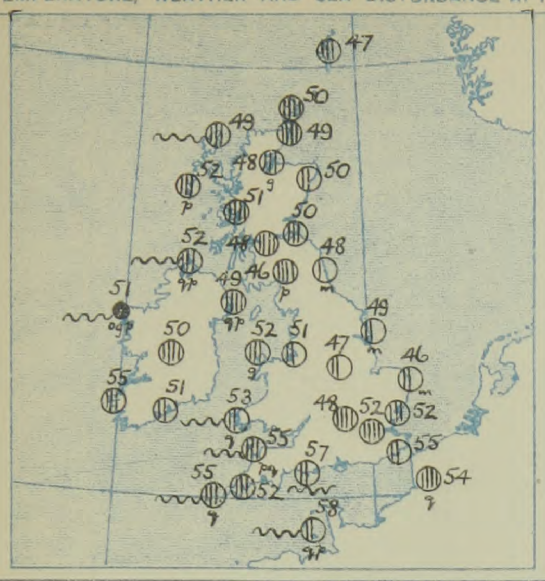
WEATHER.—Shown by the following symbols:—

○ clear sky, ◔ sky ¼ clouded, ◑ sky ½ clouded, ◕ sky ¾ clouded, ● overcast sky, ● rain falling, ✳ snow, ▲ hail, ≡ fog, ≡° mist, ⊤ thunder, ⊤, thunderstorm.

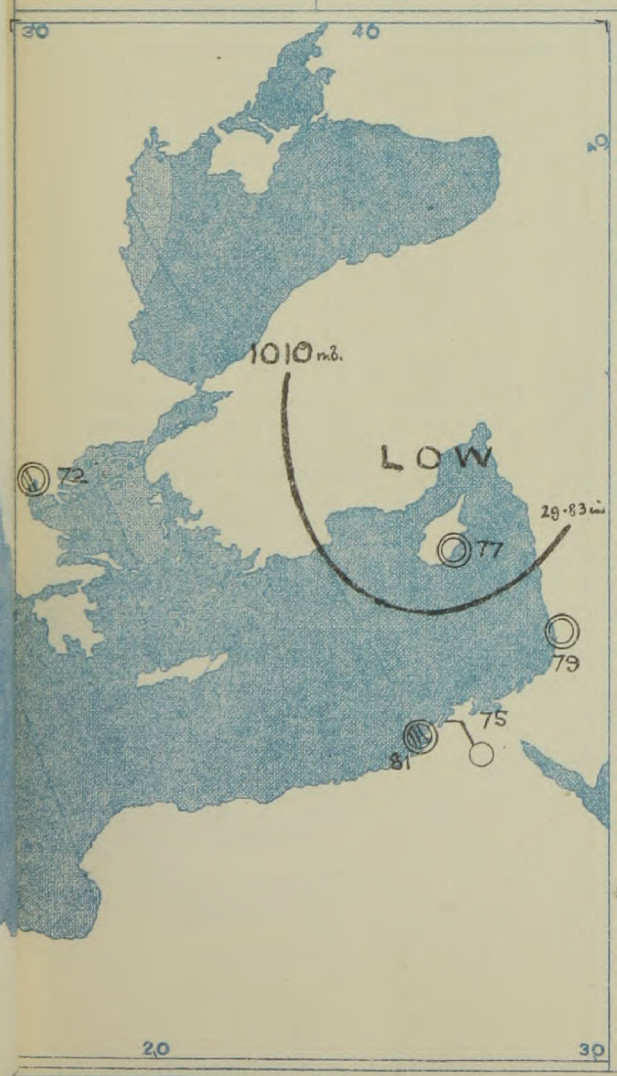
SEA DISTURBANCE.—Rough ∿∿. Highest ∿∿.



TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.



STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

Only in the south of England did yesterday's temperature pass a little above 60°, the maximum in Shetland not exceeding 51°. The day was of a changeable, showery type, the principal rainfalls being 10 mm. at Benson, and 15 mm. at Stornoway. In isolated situations there was thunder or lightning, a thunderstorm at Benson and St. Ann's Head. The bright sunshine records ranged from two hours at Dungeness to ten hours at Malin Head.

The Conditions at 7h. Today

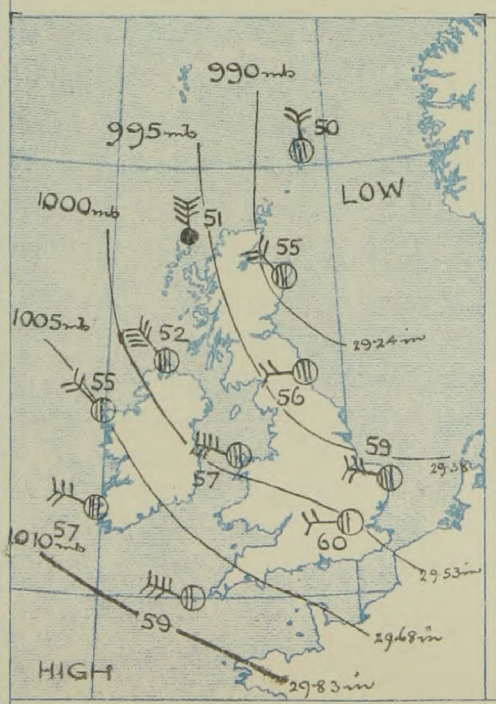
The deep depression which was centred over Skudesnaes yesterday morning has been divided into two parts, one of which has passed north-eastward to Scandinavia, while the other is now centred between Scotland and Norway, where the barometer is at about 983 mb. Another shallow secondary is moving eastward across southern England. The centre of the Atlantic anticyclone has now shifted to the eastward of the Azores. The wind, circulating round the North Sea disturbance, is only light to moderate in force over Eastern Britain and the Low Countries, but on our western and southern coasts and in Northern France, it is fresh to strong or high from N., NW., and SW. A SW. gale is reported on the western Baltic. The weather continues in a very changeable mood, squally and showery, with fine intervals.

The Outlook

The eastward transfer of the anticyclone is causing a fairly brisk rise of the barometer on our south-western coasts, but in the south of Ireland the wind still clings to the West, so that there is a probability of the early approach of further unsettled conditions.

NH

THURSDAY, 12th SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



The brisk rise of the barometer is spreading eastward and increasing NW-N. winds with squally, showery conditions seem likely to become general.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 255. THURSDAY, 12TH SEPTEMBER

	STATIONS	EVENING OF 11TH: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	MORNING OF 12TH: 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 h. 12TH: Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 11TH. Hours.
BRITISH ISLANDS.	Lerwick ...	983·8	47	NW	4	c	985·3	+4	47	0	NE	3	—	c	2	3	51	43	c	c	or	*
	Deerness (Orkney)	984·1	50	W	4	o	983·4	*	50	0	N	4	—	o	3	5	53	46	c p c.	c o u.	o p o	2·0
	Stornoway ...	986·4	51	WSW	4	o p	989·0	+6	49	+2	N	6	—	c	5	15	55	47	b c p	b c o p	b c c p y	7·0
	Castlebay (Barra Isd.)	990·4	53	WNW	4	b c.	992·2	+2	52	−4	NNW	5	—	c p	4	7	56	49	b o p.	p c p b c	b c p c p	7·7
	Glasgow ...	990·6	51	SW	2	b c z	990·6	+1	48	+2	SW	3	—	o	*	3	57	45	b. b c c p	b c u p c	b b c o p	7·9
	Eskdalemuir ...	990·6	49	WSW	3	c v	991·3	+1	46	+6	SW	3	—	o p	*	5	53	37	b w o p h	o. o p c v.	c v b. o p	8·3
	Malin Head ...	991·5	53	NW	3	b c	993·2	+3	52	+6	NW	5	NW	c q p	5	2	56	49	b c p.	b c.	c q p.	10·0
	Blacksod Point	994·0	54	NW	2	b c v	999·8	+3	51	+1	NNW	5	—	o g p	5	2	57	47	b c p.	b c p	b c o g p	*
	Valencia (Cahirciveen)	995·8	54	SW	4	c	1005·5	+7	55	+1	WNW	4	NW	c	4	6	59	50	b c p o.	o p c.	c	3·6
	Roche's Point	997·2	56	WSW	3	o	1003·1	*	51	+1	W	3	NW	b c.	3	1	58	48	b. b c. o	o. c p o.	o p. b. b c	*
	Birr Castle ...	994·5	53	WSW	1	c	1000·0	*	50	+5	W	1	—	o	*	4	59	44	c p	c p	o r o.	7·3
	Donaghadee ...	992·6	52	WNW	3	b c m q p	994·0	+1	49	−4	W	4	—	o g p	3	1	58	44	b c m p	f m a p	b c m w l	*
	Liverpool (Bidston)	993·4	52	WSW	4	b c	994·8	+1	51	+4	W	4	W	b c	4	1	56	47	b c p.	p. b c.	p b c	4·3
	Holyhead ...	993·7	53	WSW	3	b c q	996·1	+2	52	−2	W	5	NW	c q	3	2	60	49	c. b c. c.	c p b c p	b b c c.	6·5
	Pembroke (St. Ann's)	997·3	56	WSW	5	c q	1000·2	+5	53	−1	WNW	5	NW	b c q	5	3	57	51	b c q p.	c q	q t c p	6·0
	Hartland Quay	999·2	58	WSW	6	o	1001·2	+6	55	0	NW	6	—	c p q	6	5	59	53	c p q o	c o u.	c p q t	*
	Scilly (St. Mary's)	1001·5	54	W	5	c q p	1004·2	+7	55	0	NW	6	NW	c q	6	2	61	52	c q p.	c q p.	c q p t c	1·2
	Falmouth ...	1000·5	53	WSW	3	c p v	1003·0	+7	52	+3	WNW	5	W	c	*	8	63	48	b c p c p	b c q p y	b c i p q	6·7
	Jersey (St. Aubin)	1002·7	60	W	4	c	1002·1	*	58	−4	WSW	7	W	b c q p	5	3	64	53	o r b	b c.	b q p	9·3
	Portland Bill ...	999·0	58	W	6	b c p	997·1	+1	57	−1	W	6	W	b c	5	3	61	56	b c p	b c p	b c	*
	Dungeness ...	997·7	59	WSW	5	b c q	996·8	−1	55	+1	WSW	4	SW	b c q	4	5	63	53	c q p c	c q p c	c t c.	*
	Wick	986·0	49	W	2	o	983·9	+4	49	+1	WNW	3	NW	o	2	3	54	47	o q c m p	c m p o q	o m p q	*
	Nairn	986·7	52	W	1	c q	986·4	*	48	+1	W	1	—	c q	1	0·3	58	46	c p b c q	b c c.	c q	4·8
	Aberdeen ...	987·6	52	S	1	c	986·1	+1	50	+2	WSW	2	W	b c	2	1	58	44	o c y	b c y c p	c p m b c	3·9
	Leith	988·7	53	W	2	c	988·1	0	50	+5	W	3	—	c	3	trace	60	45	c. b c w c	c p c w c	c b b c c	*
	Tynemouth ...	989·9	54	NNW	2	b c	990·5	0	48	0	SW	2	—	b m	2	—	60	45	b c	b c.	b m	*
	Spurn Head ...	992·0	54	W	5	c q	992·8	0	49	0	WSW	3	—	b c m	4	—	57	45	c q p.	c q p.	b c m	2·3
	Yarmouth (Gorleston)	995·6	51	W	3	b	996·6	0	46	−3	WSW	2	—	b c m	2	2	61	45	b c q	b c q p.	b b c l	6·4
	Clacton-on-Sea	996·8	57	W	4	b c	996·5	0	52	−3	W	3	W	c	3	2	63	50	c p b c y	b c p b c.	b c l c	6·8
	Nottingham .	994·9	50	W	2	c p	995·3	*	47	−1	SW	1	W	b c m	*	2	58	44	o c p t	c p.	c p	4·3
	Benson (Oxon.) ...	997·4	54	WSW	3	b c	996·1	+1	48	−1	—	0	—	o	*	10	59	46	o c r p	t l r.	o r	*
	Sth Farnborough	998·3	56	SW	5	o	996·9	0	49	−2	SW	5	—	o r	*	1	63	47	o p. b c c y	b. p b c c y	o r d t h r	9·1
	Salisbury Plain	998·6	?	W	2	r	997·7	+1	48	−3	SW	2	—	r	*	2	61	46	o p r q c	b c q o p.	c o p r	7·6
	London (Kew Obsy.)	997·4	57	WSW	2	c	996·5	0	52	−1	WSW	2	W	.0	*	1	62	45	c p o c v	c v p b c. v c	b c p o	7·6
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö															*						
	Bodö	986·0	54	ESE	2	c	984·2	0	52	−2	E	2	—	b	2	—	54	46				
	Christiansund ...	978·3	55	NE	3	b	982·2	+3	54	−1	WSW	5	—	c	3	trace	63	50				
	Skudesnaes ...	982·8	52	WNW	5	r	986·8	+1	50	+4	S	1	—	b c	3	11	52	48				
	Færder (X'landia Fjord)	985·8	55	SSW	7	o	986·0	0	54	0	SSW	6	—	o	4	12	55	52				
	The Scaw (Skagen)	988·3	55	SSW	4	o	987·4	+1	52	−2	SW	3	SW	c	3	1	59	46				
	Blaavands Huk	993·1	55	WSW	4	o	992·7	+2	54	−3	NW	2	—	b c	*	6	59	48				
	Copenhagen ...	995·2	54	SW	2	c	991·0	+2	52	−2	WSW	2	—	b c	*	6	57	48				
	Bornholm ...	997·8	55	SW	3	b	991·2	+2	52	−2	WSW	8	—	r	2	12	57	48				
FRANCE, &c.	The Helder ...	993·6	55	SW	5	r	995·0	0	55	0	SW	4		b c	3	11	59	50				
	C. Gris Nez ...	996·8	59	W	7	o	997·0	−4	55	−3	W	5	*	o	5	25	64	50				
	La Hève	1003·4	59	W	6	c	1011·4	*	55	0	WSW	7	*	r	7	2	63	55				
	Brest (St. Mathieu)	1006·0	59	WSW	6	c	1007·0	+3	57	−2	NW	6	*	b c		1	63	55				
	Rochefort (Ile d'Aix)	1007·6	64	W	6	r							*		*							
	Biarritz	1014·0	68	NNW	2	b c	1014·6	+1	68	−2	WSW	4	*	c		—	79	64				
	Paris	1004·6	61	SW	4	o	1005·4	+1	55	+1	SSW	3	—	b	*	4	66	52				
	Belfort	1008·8	57	W	4	r	1010·4	*	52	−2	WSW	6	*	r	*	37	59	48				
	Lyons	1014·6	72	—	0	o	1013·4	*	55	−6	—	0	*	r	*	8	75	54				
	Nice	1007·0	73	W	2	b	1007·9	+1	73	+5	W	6	*	b		—	88	63				
	Perpignan ...						1015·1	+1	63	−3	SW	1		b	*	—	84	61				
	Sanguinaire ...	1014·0	77	W	3	m		*					*									
IBERIA, &c.	Corunna	1017·6	68	SSW	6	o	1019·8	+3	61	−3	NW	2	—	r	4	2	78	61				
	Madrid														*							
	Lisbon	1021·0	72	NNW	4	b	1023·1	+2	64	0	N	2	—	b	5	—	73	64				
	Azores (Horta) ...	1025·2	*	S	4	b	1023·0	−1	68	+2	S	4	*	c	2	2	79	68				
	,, (P. Delgada)	1025·5	*	SW	3	b							*									
	Madeira	1023·5	73	NE	3	o	1024·2	−0	66	+2	NE	3		b	3	—	73	66				
	Gibraltar	1018·6	74	NW	5	b	1018·6	*	67	+1	NW	4	*	b	2		84	66				
	Palma																					
MEDITERRANEAN.	Algiers	1015·6	81	—	0	b	1016·2	+1	75		—	0	—	b	0	—	90	70				
	Malta	*	*	*	*	*	1013·6	+0	75	0	NW	2	—	b	1	—	88	73				
	Salonica	1011·5	76	SW	1	o	1012·5	+2	72	−2	—	0	NW	b c	*	—	91	67				
	Athens																					
	Candia																					
	Limassol	*	*	*	*	*	1009·2	+1	77	−5	—	0	—	b c	0	—	91	64				
	Alexandria ...	1012·3	77	NW	2	b	1013·1	+1	81	+4	—	0	—	c	0	—	88	73				
	Cairo (Helwan) ...	1011·0	84	N	2	b	1012·0	+2	75	+2	N	1	—	b	*	—	97	68				
	Jerusalem ...	—		WNW	2	b	—	—	75	0	—	0		b	*	—	86	63				
	Ramleh	1010·7	72	NW	1	b	1012·2	+1	79	0	—	0		b	—	—	91	68				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. Metres per second.
0	Less than 1	Less than 0·3
1	1– 3	0·3– 1·5
2	4– 7	1·6– 3·3
3	8–12	3·4– 5·4
4	13–18	5·5– 7·9
5	19–24	8·0–10·7
6	25–31	10·8–13·8
7	32–38	13·9–17·1
8	39–46	17·2–20·7
9	47–54	20·8–24·4
10	55–63	24·5–28·4
11	64–75	28·5–33·5
12	Above 75	33·6 or above

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bc sky partly cloudy (one half covered.
c generally cloudy (three quarters covered).
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e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
v unusual visibility.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

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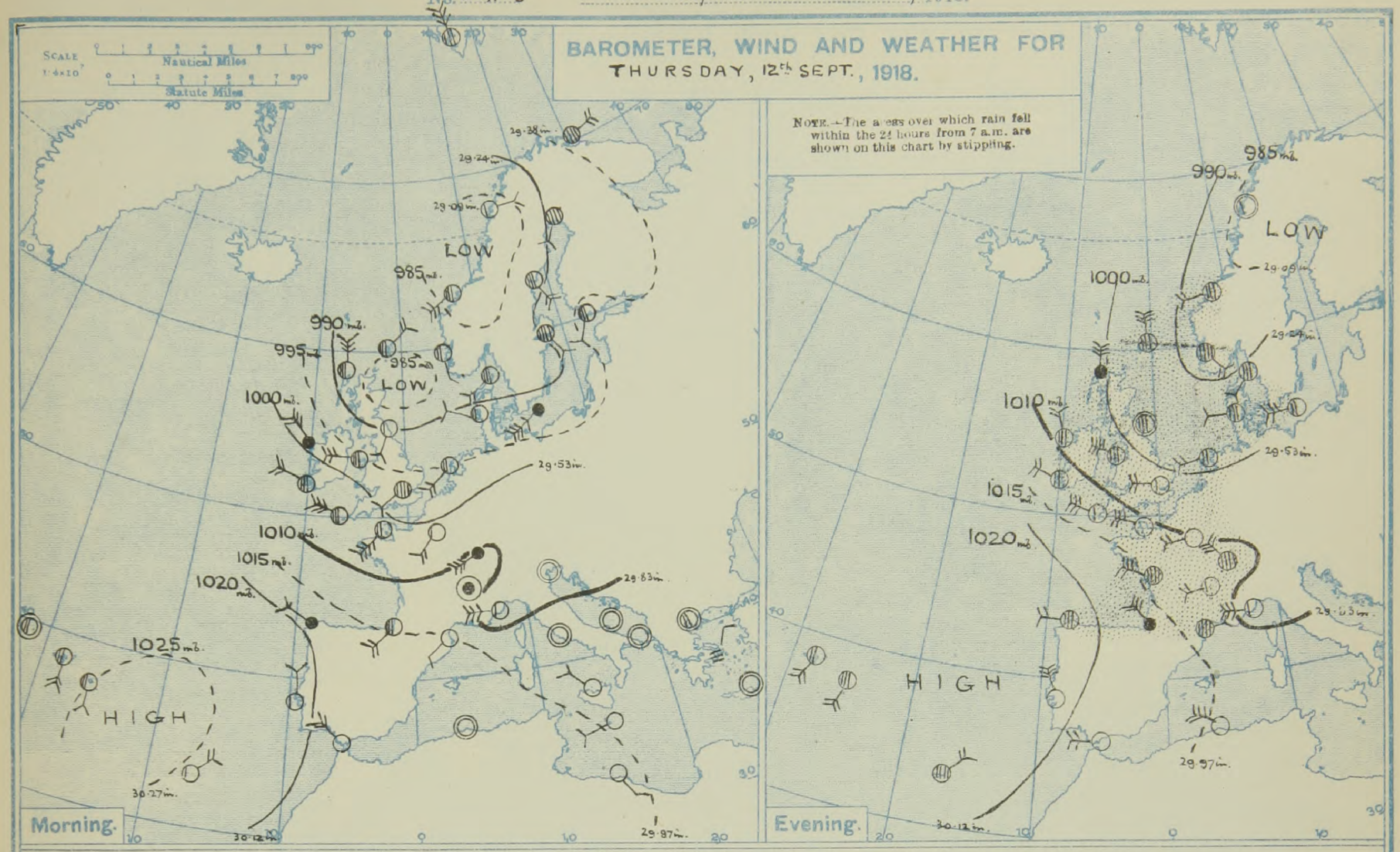
METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,749 FRIDAY, 13th SEPTEMBER, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 12TH SEPTEMBER.

	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.	Archangel ...														*	
	Petrograd ...															
	Moscow														*	
SWEDEN.	Hernösand ...							*						*	*	*
	Stockholm ...							*						*	*	*
	Wisby							*						*	*	*
ITALY.	Venice						1007·3	*	68	—	—	0	b	trace	79	63
	Turin	1007·1	66	—	0	b	1006·5	*	61	−2	—	0	b	—	81	61
	Pesaro						1009·5	*	68	—	S	1	b	—	84	68
	Leghorn ...	1011·0	75	—	0	b	1011·8	*	73	0	W	1	b	4	?	70
	Rome	1014·6	73	SE	1	b	1013·3	*	72	+4	—	0	b	—	82	64
	Viesti	1010·3	75	?	?	b	1011·0	*	77	+2	—	0	b	—	81	68
	Brindisi	1013·8	75	NE	2	b	1012·7	*	73	+3	—	0	b	—	82	70
	Cagliari							*								
	Palermo						1013·8	*	66	−3	E	1	b	—	88	53
	Tripoli						1017·0	*	77	0	SSE	1	b	—	91	71

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 ...						
Reykjavik						
Vestmanna						
Seydisfjord						
Thorshavn						

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

13TH & 14TH SEPT 1918.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5 25	11 49	6 13
	5 27	11 49	6 11
Greenwich	5 33	11 56	6 19
	5 35	11 56	6 17
Wick	5 39	12 8	6 37
	5 41	12 8	6 35
Valencia	6 13	12 37	7 1
	6 15	12 37	6 59

LONDON 13TH SEPT....9h. G.M.T.	Humidity. 15 h. 12TH	Humidity. 9 h. 13TH	Sunshine for 12TH	24 Hours ended 9 h. 13TH: Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	64	70	4·8	64	49	41	0·5	cbco	p	
CITY (Bunhill Row)	*	*	4·9	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	67	66	4·9	63	50	46	1	bc,od	bc	—
„ (Roof, near Charing ✝) ..	66	66	4·9	63	51	—	0·7	cbc	pcq	bw
CAMDEN SQ. (British Rainfall)	72	70	5·0	65	48	44	trace	bc	bc	*
KENSINGTON PALACE			4·5	63	50	44	1	cp	cpt. bc	*

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 12TH

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1020	22·1	70

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‡ The barometric change is expressed in half-millibars.

13th SEPT., at 1h. G.M.T.

THE MORNING OF FRIDAY, 13th SEPTEMBER 1918, at 7h. G.M.T.

LOW

HIGH

985 mb. LOW

990 mb.

995 mb.

1000 mb.

1005 mb.

1010 mb.

1015 mb.

1020 mb.

29.53 in.

29.68 in.

29.83 in.

29.97 in.

30.12 in.

29.09 in.

29.24 in.

29.38 in.

Barometer steady rising

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. R, thunderstorm.

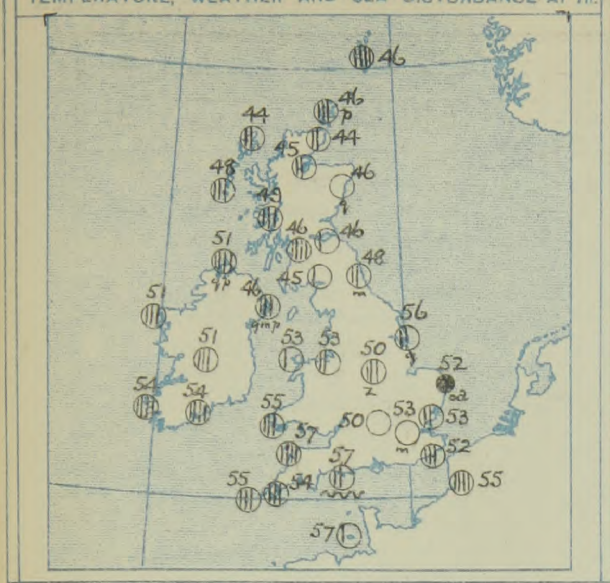
SEA DISTURBANCE.—Rough High

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.

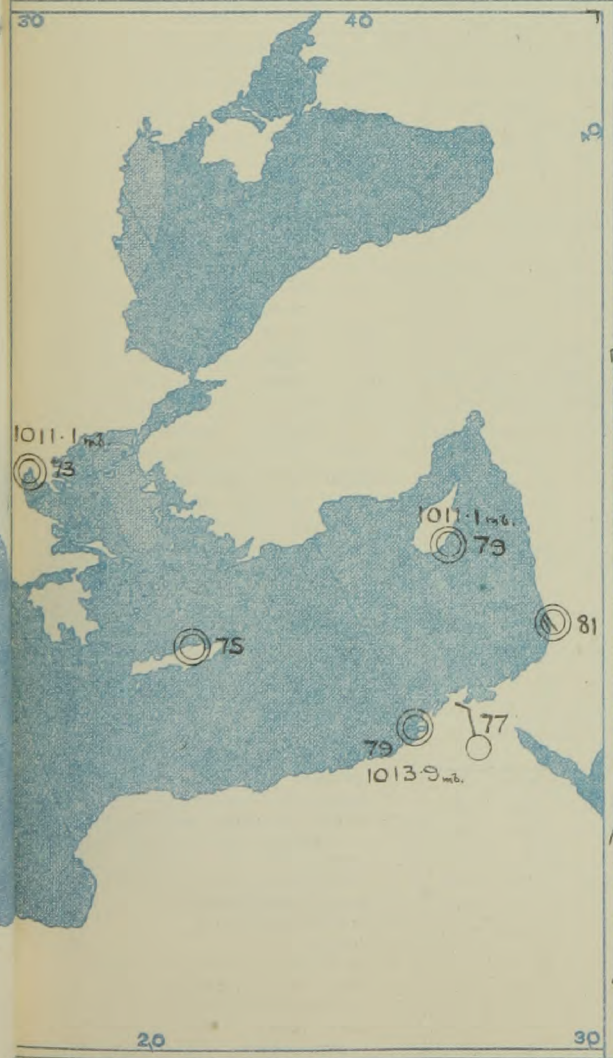
Below 50° | 50°–60° | 60°–70° | Above 70°

Scale of Tints for SEPTEMBER.



GALES.

HARTLAND Pt.	MALIN HEAD
Squalls W. 8 13h. to 15h. (12th.)	NNW, 8 @ 18h. (12th.)



STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

Temperature was again well below the normal everywhere, only stations in the south of England turning 60° in the afternoon, Dungeness touching 63°. Showers fell generally, mostly light, only Stornoway registering as much as 5 mm. A thunderstorm visited the Essex and Norfolk coast, and thunder was heard at Liverpool. The duration of bright sunshine ranged from ¼ hour at Stornoway to 10⅗ hours at Scilly and Falmouth.

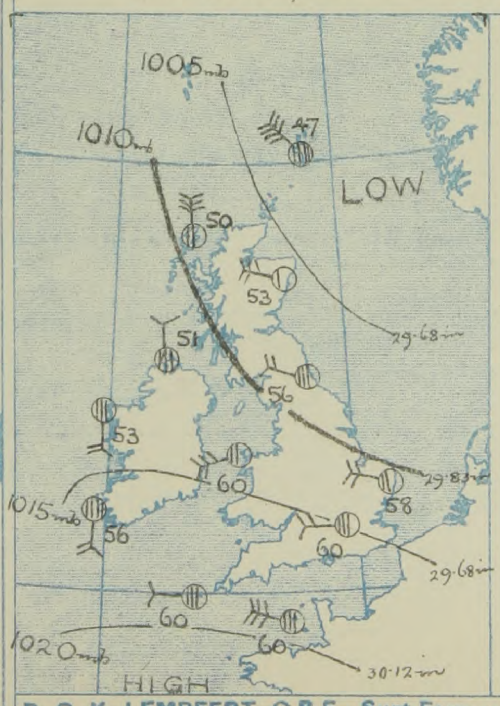
The Conditions at 7h. Today

The recent deep depression is now passing away across Scandinavia, and the Atlantic anticyclone has drifted a little further eastward, so that its central space extends from Eastern France to the Azores. Under these circumstances a wind from NW. and W. prevails between Norway and the Bay of Biscay, mostly moderate to fresh in force, strong at a few isolated stations. On the west coast of Ireland the wind has again backed to the south-west quarter. Fine to cloudy weather is in the ascendant, varied locally by passing showers. A gale was felt off the north-west coast last night.

The Outlook

With the southward backing of the wind on the Irish coast the barometer has ceased rising, and the Azores reports indicate the presence of a disturbance on the Upper Atlantic. It seems probable, therefore, that the situation in our neighbourhood will remain of a changeable, unsettled type. H.H.

FRIDAY, 13th SEPTEMBER, 1918, at 18h. (1 p.m.) G.M.T.



The anticipated change off the Irish coast is developing at a very slow rate. Elsewhere pressure is increasing slightly.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No 256. FRIDAY 13TH SEPTEMBER.

	STATIONS.	EVENING OF 12TH					MORNING OF 13TH								24 HOURS ENDED 7 h 13TH						Sunshine for 12TH
		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 ...	992·2	48	N	6	cmp	998·7	+3	46	−1	WNW	5	—	cm	3	0·1	51	43	cm	cm	cm	*
	Deerness (Orkney)	995·2	50	NW	5	cp	1001·3	*	46	−4	WNW	5	SW	cp	4	2	55	44	oc	cpc	cpc	3·5
	Stornoway ...	1001·5	49	N	6	opq	1006·7	+1	44	−5	WNW	4	—	bc	3	5	54	42	opq	opq	or bcp	0·6
	Castlebay (Barra Isd.)	1003·9	52	NNW	5	op	1009·6	+2	48	−4	NNW	3	—	c	3	1	56	48	opcop	opcop	opc	3·2
	Glasgow ...	999·1	54	W	3	c	1008·7	+4	46	−2	WNW	3	—	o	*	—	60	42	c	cv	bc.b.bc	6·0
	Eskdalemuir ...	998·3	52	WNW	4	bc	1008·6	+3	45	−1	WNW	4	—	b	*	3	58	42	o.op hq	opc. bc.	bcor b	3·4
	Malin Head ...	1003·6	53	NNW	8	bcq	1008·9	0	51	−1	WNW	4	—	oqp	4	3	54	49	bcmqp	cmqp	oqp.	1·7
	Blacksod Point	1009·5	53	NNW	3	cp	1012·3	0	51	0	WSW	2	—	c	2	0·2	57	49	bcp	bc'p	cp bc.	*
	Valencia (Cahirciveen)	1013·1	55	WNW	4	bc	1015·9	0	54	−1	SSW	2	w	o	3	0·4	58	51	c bpc	op. bc.	c	3·7
	Roche's Point	1011·0	56	WNW	3	bc	1015·9	*	54	+3	W	2	—	o	2	1	58	51	cob	oc. bc.	b. o.	*
	Birr Castle ...	1009·7	54	NW	1	c	1014·1	*	51	+1	SW	1	w	c	*	0·3	60	49	ocp	c	c	4·7
	Donaghadee ...	1002·6	55	WNW	5	bcmqp	1010·3	+2	46	−3	WSW	3	w	cgmp	3	1	58	46	op bcp	bcmqp	bcmqp	*
	Liverpool (Bidston)	1000·4	56	W	7	c	1010·6	+3	53	−2	WNW	5	NW	bc	4	3	58	51	bcpq	ptqc	bcq	5·6
	Holyhead ...	1003·5	57	WNW	7	cq	1012·0	+1	53	−1	WNW	5	NW	b	4	0·1	59	51	c.bc.cp.	cpcq	b.bc.cb	6·3
	Pembroke (St. Ann's)	1006·9	56	W	5	cq	1015·1	+3	55	−2	WNW	3	NW	c	3	—	58	52	cqp	eqpcq	cqbqc	6·1
	Hartland Quay	1009·2	58	WNW	7	c	1016·3	+3	57	+2	WNW	4	NW	o	5	2	59	55	cpqc	opqo.	bc.o	*
	Scilly (St. Mary's)	1012·5	57	WNW	6	b	1018·4	+3	55	0	WNW	3	w	c	4	—	60	54	c. bc.	bc. b.	b. bc	10·5
	Falmouth ...	1011·5	56	W	5	bmq	1017·7	+3	54	+2	W	2	W	c	*	2	61	51	cp bcq	bcq	bc.cp.	10·4
	Jersey (St. Aubin)	1010·3	59	WNW	5	b	1017·0	*	57	−1	W	4	W	b	3	2	62	55	qp bc.b	b.	b	9·3
	Portland Bill ...	1005·9	59	WNW	6	cp	1014·7	+3	57	0	WNW	4	NW	bc	5	1	61	55	bcqp.	bcp	b. bc	*
	Dungeness ...	1002·8	57	WSW	4	bcq	1011·8	+4	52	−3	W	3	W	c	3	1	63	50	cpc	cpcq	c.bcqc	*
	Wick	996·3	50	NNW	5	bcmpq	1002·8	+2	44	−5	NW	4	—	bcmp	2	4	55	44	oqcq	c.bcpq	oq bcp	*
	Nairn	998·8	51	NNW	2	cq	1005·3	*	45	−3	NNW	2	—	bc	2	1	58	42	cq.bc.	cpoq	cq bc.	1·8
	Aberdeen ...	996·2	51	NW	4	opq	1004·1	+2	46	−4	WNW	5	—	bq	3	2	56	44	bccqp	bccqp.	cqpb	4·6
	Leith	996·7	57	NNW	4	o	1006·6	+2	46	−4	W	2	—	b	2	trace	59	45	c.bcqc	cp. bc.d	oc.bc.b	*
	Tynemouth ...	994·6	54	—	0	cm	1006·1	+2	48	0	WNW	3	—	bcm	3	0·4	60	46	cmq	cmp.	bm.bcm	*
	Spurn Head ...	996·7	56	W	5	bcq	1008·7	+4	56	+7	WNW	4	—	bcq	4	4	58	48	cq	bcq	bcqp	3·6
	Yarmouth (Gorleston)	999·8	52	NW	3	cqp	1009·3	+5	52	+6	WNW	2	—	od	2	3	61	47	bcmc	cq tp.	bcqpl	5·6
	Clacton-on-Sea	1001·6	55	W	2	bc	1010·6	+5	53	+1	W	3	—	bc	2	1	61	50	cp bc	bcptl.	cp bc l	3·3
	Nottingham ...	1000·5	54	W	3	c	1010·2	*	50	+3	W	2	W	cz	*	1	61	46	bc.cp	cop.	cp b	5·6
	Benson (Oxon.) ...	1003·4	54	W	3	bc	1011·9	+6	50	+2	W	2	—	b	*	1	61	48	ro. bc.	bow	bm	*
	Sth Farnborough	1004·3	54	W	4	bc	1013·4	+5	51	+2	W	3	—	bw	*	3	62	48	op bcoy	op. b	b. bw	5·0
	Salisbury Plain	1005·1	54	W	4	b	1014·5	+4	50	+2	WSW	2	—	b	*	trace	?	47	opqr	bcoqp	b.bc.b.bc	6·7
	London (Kew Obsy.)	1003·9	55	W	3	bw	1013·0	+4	53	+1	W	2	—	bm	*	—	61	51	ocp bcvy	bcvcv. bw	bv bombp	5·2
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö															*						
	Bodö	984·7	52	—	0	b	984·6	0	52	0	S	2	—	c	1	—	57	46				
	Christiansund ...	987·0	52	WSW	3	c	988·6	+2	52	−2	NNW	2	—	o	3	1	54	48				
	Skudesnaes ...	989·4	52	SE	4	o	991·6	+5	54	−4	W	3	—	c	3	7	54	46				
	Færder (X'tiania Fjord)	989·4	57	WSW	4	c	991·0	+1	54	0	SW	4	—	c	2	—	57	52				
	The Scaw (Skagen)	991·1	54	SW	2	c	993·1	+2	50	−2	SW	2		c	2	1	59	46				
	Blaavands Huk	994·4	55	W	2	c	996·4	+1	52	−2	WNW	1	—	r	*	4	59	50				
	Copenhagen ...	995·4	54	W	2	bc	997·8	+2	54	+2	WSW	3	—	c	*	trace	57	50				
	Bornholm ...	996·2	54	W	5	bc	999·0	+2	54	+2	W	3	W	c	1	4	55	50				
FRANCE, &c.	The Helder ...	997·6	57	WSW	3	bc	1004·4	+5	57	+2	W	6	—	c	4	8	59	52				
	C. Gris Nez ...	1003·5	57	WSW	7	c	1013·0	+6	54	−1	W	6	*	o	—	9	61	50				
	La Hève	1008·7	59	W	7	c	1015·9	*	55	0	WNW	6	*	r	—	15	59	52				
	Brest (St. Mathieu)	1015·4	59	NW	4	bc	1020·7	+3	57	0	NW	3	*	bc		1	63	55				
	Rochefort (Ile d'Aix)	1016·3	63	NW	6	c	1021·2	+2	61	—	NW	3	*	c	*	2	68	59				
	Biarritz	1019·5	61	SW	4	r	1022·0	+2	59	−9	S	3	*	c		20	73	59				
	Paris	1009·8	57	WSW	3	b	1017·2	+4	52	−3	SW	2	—	bc	*	trace	66	50				
	Belfort	1011·4	54	NW	5	o	1019·8	*	50	−2	W	5	*	c	*	2	64	46				
	Lyons	1013·2	63	WSW	3	b	1021·5	*	54	−1	WNW	3	*	bc	*	4	68	46				
	Nice	1006·8	75	W	6	b	1003·8	+1	68	−5	N	1	*	b		—	88	63				
	Perpignan ...	1014·3	73	ENE	2	o	1020·4	+3	64	−1	NW	2		bc	*	1	84	59				
	Sanguinaire ...	1014·2	73	NW	2	b	1014·4	*	73	—	NW	4	*	o	—	—	86	64				
IBERIA, &c.	Corunna	1021·6	66	W	3	c	1023·8	+1	59	−2	ENE	1	NW	bc		1	68	55				
	Madrid														*							
	Lisbon	1021·9	73	N	4	b	1022·2	+0	64	0	NNE	2	—	b	5	—	77	63				
	Azores (Horta) ...	1022·3	*	SSW	4	bc	1019·9	+1	70	+2	SW	5	*	bc	3	—	79	68				
	,, (P. Delgada)	1023·2	*	SSW	4	c	1020·7	−1	70	—	WSW	2	*	bc	3	—	75	70				
	Madeira	1022·7	73	NE	3	o	1022·2	0	68	+2	NE	3	—	c	3	—	75	66				
	Gibraltar	1017·3	75	W	4	b	1016·9	*	69	+2	NW	3	*	b	2	—	85	66				
	Palma																					
MEDITERRANEAN.	Algiers	1014·3	77	WNW	5	b	1016·8	+1	75		W	1	—	b	2	—	90	70				
	Malta	*	*	*	*	*	1013·4	+1	75	0	NW	2	—	b	1	—	81	72				
	Salonica	1011·0	77	SE	1	b	1011·1	+2	78	+1	—	0	—		*	—	90	66				
	Athens																					
	Candia	1012·8	75	—	0	b	1012·8	+2	75	—	—	0	E	b	0	—	86	68				
	Limassol	*	*	*	*	*	1011·1	+1	79	+4	—	0	—	b	0	—	90	64				
	Alexandria ...	1013·6	77	N	2	bc	1013·9	+1	79	−2	—	0	—	b	0	—	88	73				
	Cairo (Helwan) ...	1011·8	84	N	3	b	1012·7	−1	77	+2	NNE	1	—	b	*	—	97	66				
	Jerusalem ...	—	72	NW	3	b	—	—	72	−3	—	0	—	b	*	—	86	61				
	Ramleh	1011·5	77	SW	1	b	1012·6	+1	81	+2	—	0	—	bc			90	68				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

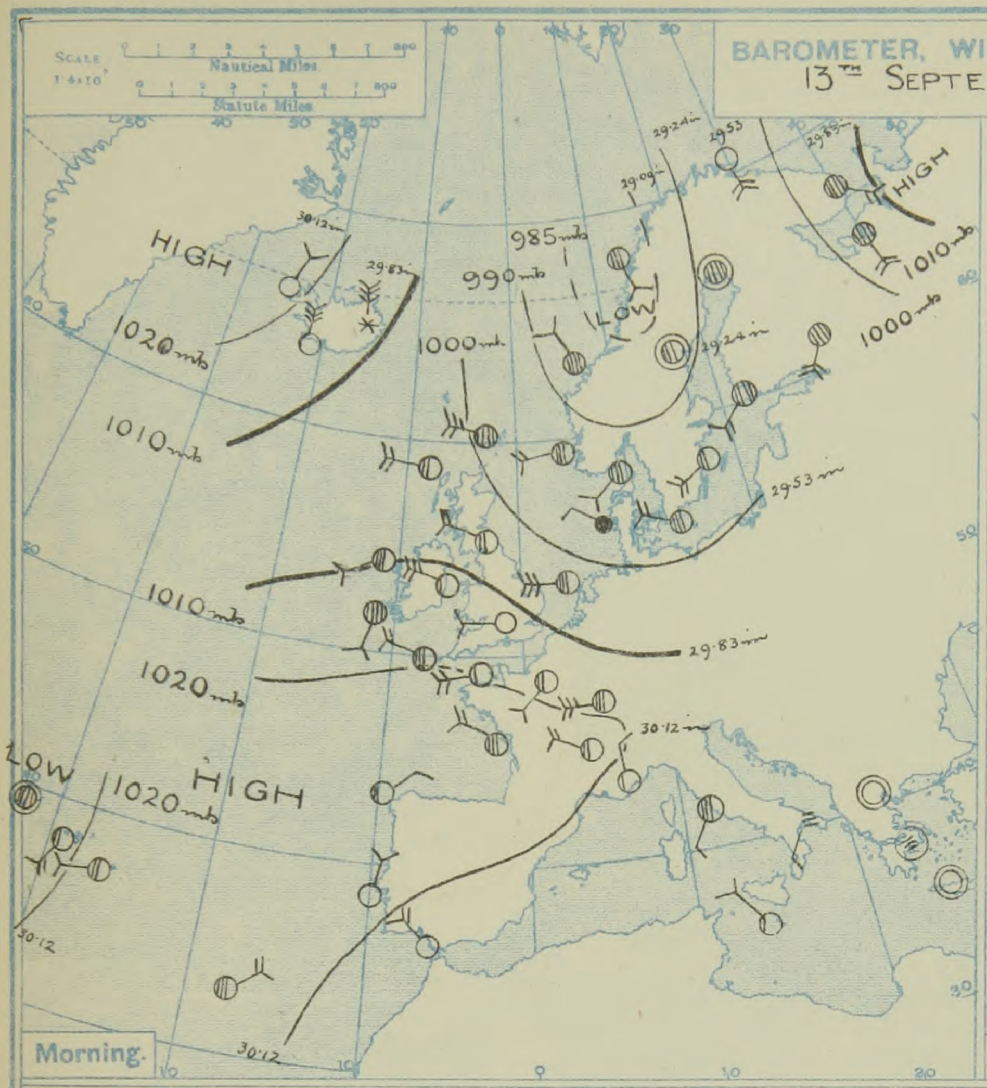
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

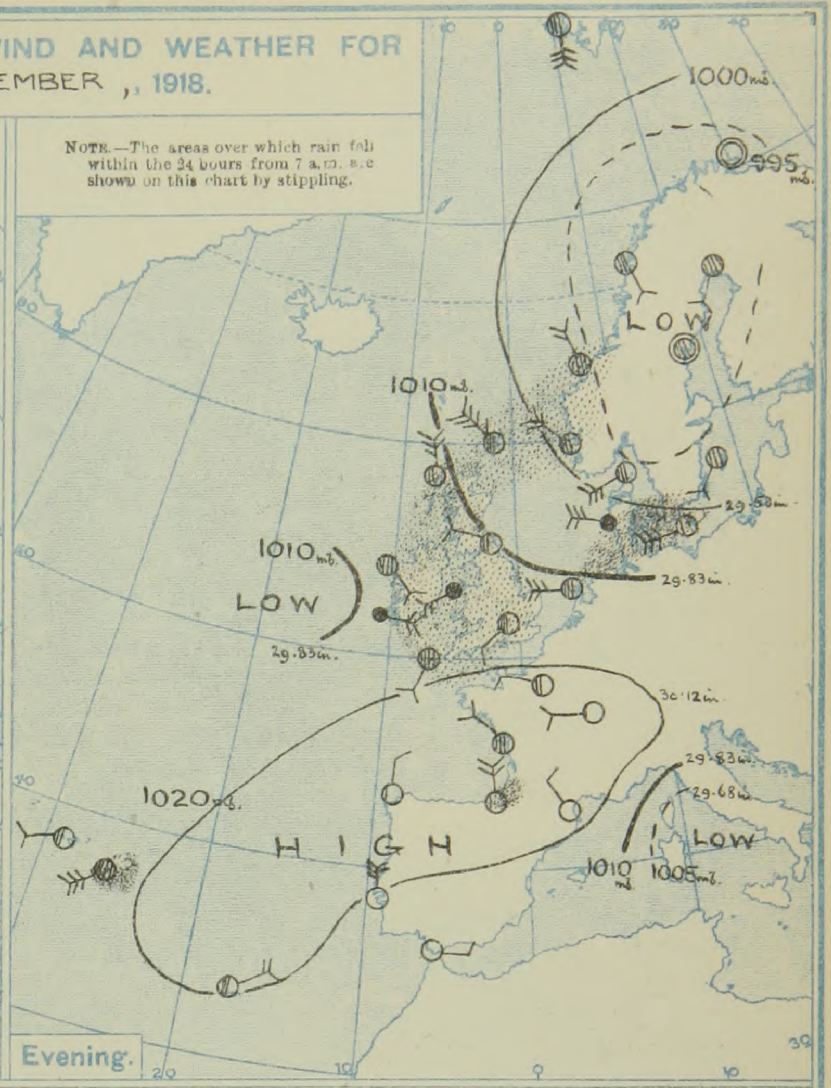
* Information for these columns not usually received. † Received too late for insertion in Charts ‡ The barometric change is expressed in half millibars

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,750 SATURDAY, 14TH SEPT. 1918.



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



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 13TH SEPTEMBER.

	STATIONS.	Evening of 12TH: Barom. Millibars at M.S.L.	Evening of 12TH: Temp.	Evening of 12TH: Wind Direc.	Evening of 12TH: Wind Force 0–12.	Evening of 12TH: Weather.	Morning of 13TH: 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 ...														*	
	Petrograd ...															
	Moscow														*	
SWEDEN.	Hernösand ...						989·4	*	52		-	0	c	*	*	*
	Stockholm ...						993·1	*	50		SE	2	o	*	*	*
	Wisby						996·0	*	52		WSW	4	bc	*	*	*
ITALY.	Venice						1007·8	*	72	+4	NW	1	b	-	82	68
	Turin	1005·0	66	-	0	b	1010·3	*	?		-	0	b	?	77	?
	Pesaro						1010·1	*	75	+7	S	2	b	-	82	68
	Leghorn ...						1012·1	*	72	-1	W	2	b	-	79	70
	Rome						1014·2	*	72	0	-	0	c	-	82	68
	Viesti							*								
	Brindisi						1011·3	*	70	-3	SW	1	‡	-	83	70
	Cagliari							*								
	Palermo						1014·1	*	?		?	?	b	-	88	51
	Tripoli						1016·5	*	77	0	SSE	1	b	-	86	68

ICELAND.	Morning of 13TH: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F.	°F.			
Isafjord ...	1021·6	37	+3	NNE	2	b
Reykjavik	1018·4	34	-11	-	0	b
Vestmanna	1015·5	37	-6	N	7	b
Seydisfjord	1014·6	34	-5	N	6	s
Thorshavn						

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

14TH AND 15TH SEPT 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5 27	11·49	6·11
	5 28	11·48	6·9
Greenwich	5 35	11·56	6·17
	5 36	11·55	6·15
Wick	5 41	12·8	6 35
	5 43	12·7	6 32
Valencia	6 15	12·37	6·59
	6·16	12·36	6 57

LONDON 14TH SEPT. 9h. G.M.T.	Humidity. 15 h. 13TH	Humidity. 9 h. 14TH	Sunshine for 13TH	24 Hours ended 9 h. 14TH: Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	60	93	4·6	65	52	43	3	c. o, c.	o. d.	o. r.
CITY (Bunhill Row)	*	*	6·8	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	58	93	6·4	63	52	46	5	*	*	*
,, (Roof near Charing Cross) .	62	93	6·4	63	53	*	5	b. bc.	c.	bc. or.
CAMDEN SQ. (British Rainfall)	58	97	5·3	65	50	45	6	bc.	bc	*
KENSINGTON PALACE	60	96	6·6	63	51	45	6	c	c	*

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 13TH

Total.	Average Rate.	Max. Rate.
joules.	Milliwatts.	Milliwatts.
950	20·6	57

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.

14th SEPT., at 1h. G.M.T.

THE MORNING OF SATURDAY, 14th SEPTEMBER 1918, at 7h. G.M.T.

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 ~~~.

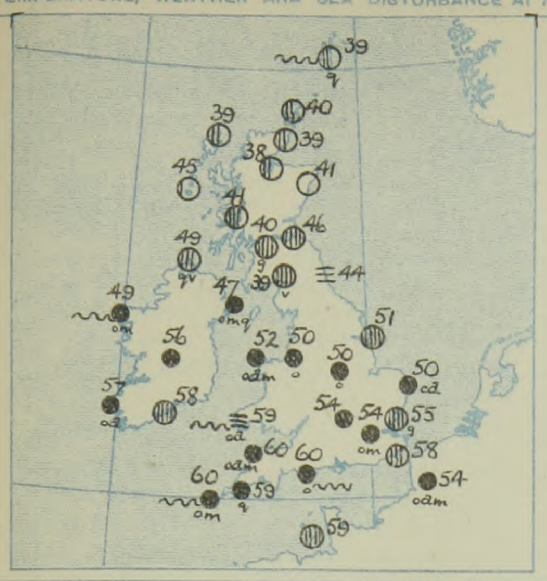
Scale 1 : 2 × 10⁷
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea.

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

Scale of Tints for SEPTEMBER.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.

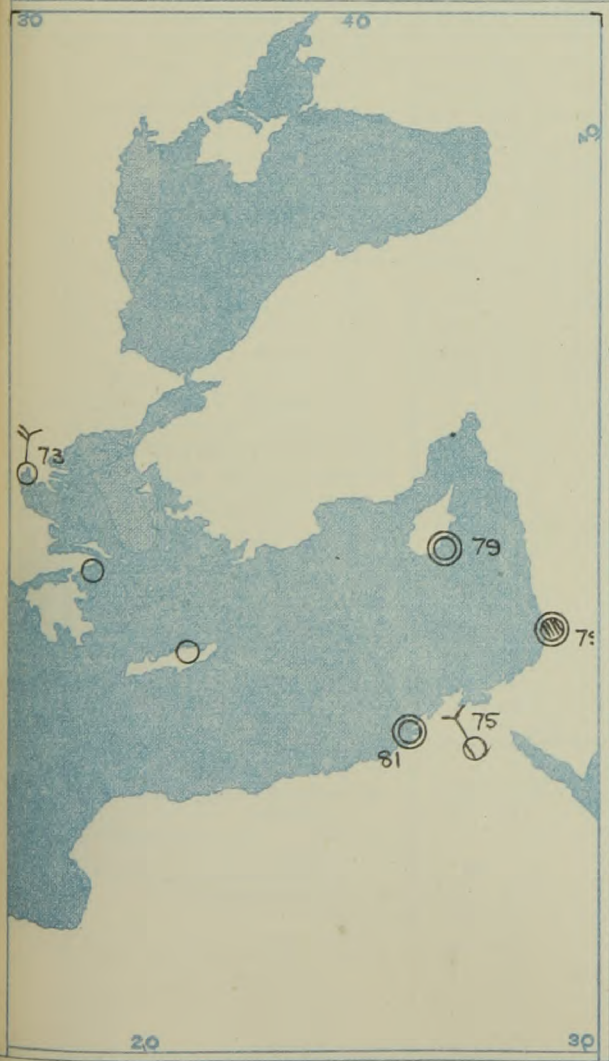


GALES.

LERWICK
NW 8, 4h. & 5h. (14th)

ABERDEEN
Gusts 18 metres per sec, morning 13th

HARTLAND PT.
SSW 8 since 4h (14th)



STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

Temperature was again low all round, most of the maxima remaining below 60°, Lerwick not passing 48°. Many northern night minima were below 40°, Lerwick 32°, and Eskdalemuir 30°. Showers fell in many localities during the day, but at night steady rain set in in the southwest and south, Hartland measuring 20 mm, Pembroke and Roche's Point 15 mm. Between Scilly and Kerry there was little or no sunshine, other regions reporting good records, Aberdeen exceeding ten hours. In the night a NW gale was felt in Shetland, and a SW gale at Hartland.

The Conditions at 7h. Today

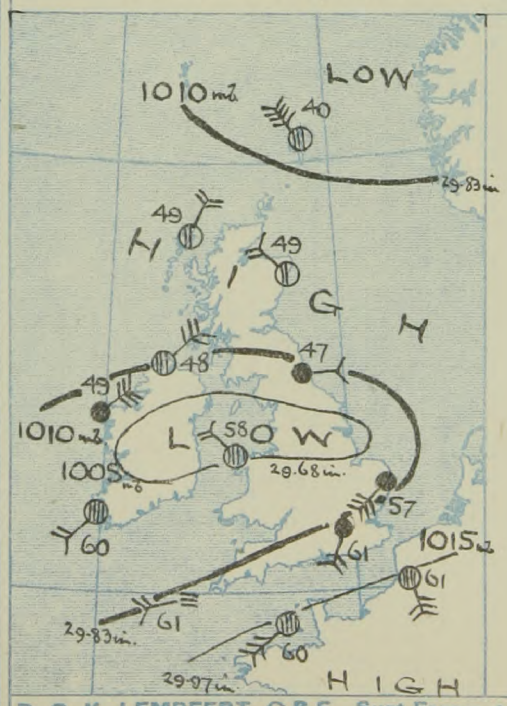
The northern depression continues on its course towards the White Sea region. In the course of the past night a new disturbance has advanced from the northern part of the Atlantic, and its central space, with the barometer below 1003 mb, is now spreading eastward across Ireland and Wales, while there are indications of a secondary to the northward of the Azores. An anticyclone covers the western portion of the Continent, with its centre over the Vosges. Another anticyclone, but of less intensity, lies between Portugal and Madeira. Under these circumstances the winds vary greatly in direction and force, a S gale off Hartland, a whole W'ly gale on the Western Baltic. Temperature is as low as 38° at Nairn, against 60° at some southern stations.

The Outlook

The general distribution of pressure favours the prolongation of the unsettled type of wind and weather conditions over the next two or three days.

H.H.

SATURDAY, 14th SEPTEMBER, 1918, at 18h. (1 p.m.) G.M.T.



Since the morning the centre of the depression has expanded eastward and now extends from Ireland to the coast of Yorkshire, the general situation remaining very unsettled.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn.

H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 257. SATURDAY, 14TH SEPTEMBER.

EVENING OF 13TH — MORNING OF 14TH — 24 HOURS ENDED 7 h 14TH

	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 13TH
			°F.						°F.								°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1004.2	45	NW	7	cmq/r	1006.9	-2	39	-7	NW	6	-	bcq	5	0.4	48	32	cm	cmrp	cm.o.	*
	Deerness (Orkney)	1007.8	45	WNW	5	cfr	1010.5	*	40	-6	WNW	4	W	bc	3	6	50	36	cfr	cfr.o.c.	cfr.bc	4.6
	Stornoway ...	1011.6	45	N	5	bcfr	1013.4	0	39	-5	NW	3	-	bc	3	2	51	36	cfr.bcq	bcfr.	bcfr.	8.8
	Castlebay (Barra Isd.)	1013.6	49	N	3	c	1013.0	0	45	-3	NNE	4	-	b	4	0.1	53	44	c.o.bc.	bcfr.c.	c.b	9.2
	Glasgow ...	1011.4	49	W	4	b	1011.7	-1	40	-6	ENE	3	-	og	*	Trace	55	36	o.bc.cfr.	b.	b.bc.o.	6.8
	Eskdalemuir ...	1011.7	46	W	3	bvg	1011.8	-1	39	-6	N	1	-	ov	*	Trace	55	30	bc.cfr.o.	o.bc.vg.	bg.bov.	6.4
	Malin Head ...	1012.9	50	N	3	bc	1008.5	-2	49	-2	ENE	4	E	cq.r	4	0.3	53	48	bcfr.	bc.	cq.r.	4.6
	Blacksod Point	1011.6	53	ESE	2	og	1004.0	-1	49	-2	ESE	5	-	omr	9	7	55	47	cmrp	cmg.	og.mr	*
	Valencia (Cahirciveen)	1010.5	51	E	4	r	1004.0	+1	57	+3	SW	3	-	cd	4	11	59	51	o	or	r.o.c.d.	0.0
	Roche's Point	1015.4	58	SW	1	r	1005.1	*	58	+4	WSW	2	-	o	4	15	59	51	o	or	r.o.	*
	Birr Castle ...	1013.5	54	SW	1	c	1002.9	*	56	+5	S	1	-	r	*	3	58	49	c	c	or.or.	2.3
	Donaghadee ...	1012.8	52	NNE	2	bcmrp	1008.6	-3	47	+1	E	4	-	omrq	3	7	58	46	cgmrp	orm.o.cfr.	ogomr	*
	Liverpool (Bidston)	1012.8	55	W	4	o	1007.0	-5	50	-3	ESE	4	-	or	3	11	59	50	bcfr.o.	bcfr.o.	or	7.2
	Holyhead ...	1013.6	55	WSW	3	ofrg	1004.7	-7	52	-1	E	5	-	odrm	3	6	61	50	b.bc.	bc.cfr.c.	c.odrm	7.0
	Pembroke (St. Ann's)	1016.3	56	WSW	4	ov	1006.4	+1	59	+4	SSW	4	-	ofd.	5	15	57	51	c.o.rfr.	cfrm.	orfd.	0.3
	Hartland Quay	1017.6	58	SW	5	o	1008.5	-1	60	+3	SSW	8	-	odrm	5	20	60	53	o	o	odmrm	*
	Scilly (St. Mary's)	1017.9	57	SSW	2	o	1009.7	-2	60	+5	SW	5	-	omr	5	8	61	53	c	c.o.	or.omr	1.4
	Falmouth ...	1018.5	56	SW	3	od	1010.2	-3	59	+5	SW	7	-	rq	*	13	62	53	c.og.c.	c.o.rfr.	odrq/	0.9
	Jersey (St. Aubin)	1020.0	61	W	4	b	1016.7	*	59	+2	SSW	3	-	o	3	-	63	57	b	b.bc.b.	b.o.	8.2
	Portland Bill ...	1016.9	59	W	6	c	1012.3	-5	60	+3	SW	7	-	or	6	2	61	56	bc.c.	c.	c.or.	*
	Dungeness ...	1015.7	59	WSW	4	c	1015.4	-3	58	+6	SW	4	SW	c	3	0.3	64	52	bc.c.	c.	c.cfr.	*
	Wick	1008.4	45	NW	3	bcfr	1011.8	0	39	-5	WNW	3	-	bc	3	10	50	35	bc.omrp	orm.bcfr	bc.omrp	*
	Nairn	1009.5	47	NW	3	bcg	1012.7	*	38	-7	-	0	-	bc	1	1	53	34	bc.cg.	cfrrq.	bcx	4.8
	Aberdeen ...	1009.4	47	WNW	4	bc	1012.4	+1	41	-5	WNW	2	W	b	2	0.1	55	38	bc.bqv.	bcvqfr.	bc.b.	10.2
	Leith	1009.9	53	W	2	b	1011.4	0	46	0	E	2	-	o	3	-	57	41	b.bc.b.	b.	b.bc.o.	*
	Tynemouth ...	1010.0	54	WNW	2	bcm	1011.4	0	44	-4	NW	1	-	f	2	-	57	41	bcm	cm.	bm.	*
	Spurn Head ...	1010.9	57	WNW	5	cq/	1011.4	-1	51	-5	S	2	-	o	3	1	59	50	bcq.	bcq/cq.	c.or.	4.1
	Yarmouth (Gorleston)	1013.0	56	WNW	3	bc	1014.3	-1	50	-2	SW	3	-	cd	3	-	61	46	a.bcq.	bcq.bc.	bl.bc.c	8.5
	Clacton-on-Sea	1014.9	58	W	2	bc	1015.1	-2	55	+2	SW	3	-	og	2	-	62	51	bc.c.	c.bc.	bc.c.og	7.7
	Nottingham ...	1013.3	57	W	2	b	1009.8	*	50	0	SE	2	SE	or	*	3	62	50	bcfr.	b.	b.	8.0
	Benson (Oxon.) ...	1016.1	56	WSW	3	o	1011.0	-4	54	+4	S	4	-	r	*	4	60	51	b.bc.	b.bc.c	or	*
	Sth Farnborough	1016.5	56	W	3	o	1012.9	-5	54	+3	SSW	6	-	or	*	3	62	50	b.og.	og.c.o.	o.bc.or	6.1
	Salisbury Plain	1016.8	55	SW	2	o	1011.7	-6	55	+5	S	2	-	o	*	9	60	49	bc.c.o.	o	or	4.8
	London (Kew Obsy.)	1016.2	57	SW	1	c	1013.2	-3	54	+1	S	2	-	omr	*	2	61	52	bm.bc	c.o.c.	c.bc.omr	5.4
NORTHERN EUROPE.	Spitsbergen ...	1010.6	25	S	6	c	1007.8	-3	27		ENE	7	*	o	*	*	34	14				
	Vardö	992.3	46	-	0	b	994.4	+1	46		SE	4	-	bc	4	*	48	46				
	Bodö	990.2	46	S	2	c	993.6	+1	45	-7	SSW	1	-	r	2	-	52	43				
	Christiansund ...	995.6	50	NNW	3	o	997.6	+2	43	-7	SW	3	-	o	3	15	54	43				
	Skudesnaes ...	998.2	50	NW	4	c	1004.2	+3	45	+9	WNW	5	-	c	2	14	54	45				
	Færder (X'ianiaFjord)	992.2	57	WSW	2	b	997.6	+5	50	-4	NW	2	SW	b	3	-	57	50				
	The Scaw (Skagen)	995.0	54	WSW	5	c	999.4	+4	54	+4	W	6	-	b	6	-	59	50				
	Blaavands Huk	1002.2	50	WNW	5	r	1009.1	+3	52	0	WNW	6	-	bc	*	4	57	46				
	Copenhagen ...	1001.5	54	W	3	c	1006.2	+5	52	-2	WNW	5	-	bc	*	Trace	59	48				
	Bornholm ...	1001.0	55	W	6	b	1004.6	+4	52	-2	WNW	10	-	c	3	Trace	55	52				
FRANCE, &c.	The Helder ...	1011.6	57	W	5	c	1014.6	+2	55	-2	WSW	3	-	o	2	2	59	54				
	C. Gris Nez ...	1015.6	59	W	6	o	1015.8	-2	59	+5	SW	5	*	r	4	-	61	54				
	La Heve	1021.8	59	WNW	6	c	1017.9	*	55	0	SSW	5	*	o		Trace	63	52				
	Brest (St. Mathieu)	1021.4	59	SW	3	c	1015.9	-2	59	+2	SW	5	*	o	3	Trace	63	55				
	Rochefort (Ile d'Aix)	1022.8	63	NW	2	c	1021.9	0	55	-6	S	3	*	b	*	-	68	52				
	Biarritz	1021.9	64	N	3	b	1019.6	-1	57	-2	S	2	*	b	4	2	73	54				
	Paris	1020.4	57	WNW	1	bc	1021.2	0	54	+2	S	1	-	o	*	-	64	50				
	Belfort	1021.8	52	W	2	b	1025.4	*	50	0	-	0	*	bc	*	1	59	43				
	Lyons						1024.2	*	48	-6	-	0	*	b	*	-	66	45				
	Nice						1020.3	+3	70	+2	-	0	*	b	1	-	79	57				
	Perpignan ...	1020.7	68	NW	1	b	1021.9	+1	54	-10	SW	1	-	b	*	-	75	50				
	Sanguinaire ...	1002.6	70	NW	4	m	1017.8	*	72	-1	SE	3	*	m		-	86	66				
IBERIA, &c.	Corunna	1023.2	63	N	1	b	1020.2	+1	59	0	E	1	-	b	2	-	66	52				
	Madrid														*							
	Lisbon	1019.6	73	N	5	b	1018.8	+1	63	-1	N	2	-	b	5	-	81	63				
	Azores (Horta) ...	1018.3	*	SW	6	o	1016.0	-1	63	-7	N	1	*	c	2	-	77	63				
	,, (P. Delgada)	1019.5	*	WSW	2	bc	1014.7	-1	66	-4	-	0	*	o	2	16	75	'66				
	Madeira	1020.0	75	NE	3	c	1020.0	0	66	-2	NE	3	-	b	3	-	79	66				
	Gibraltar	1018.9	70	-	0	b	1018.9	*	72	+3	E	5	*	.o	2	-	81	67				
	Palma																					
MEDITERRANEAN.	Algiers																					
	Malta	*	*	*	*	*	1016.3	+3	75	0	NNW	3	-	b	1	-	86	72				
	Salonica	1009.4	77	NNW	1	b	1012.2	+4	73	0	NNE	3	-	b	*	-	91	70				
	Athens																					
	Candia																					
	Limassol	*	*	*	*	*	1009.2	0	79	0	-	0	-	b	0	-	91	64				
	Alexandria ...	1013.4	79	NNW	2	b	1012.6	0	81	+2	-	0	-	b	0	-	88	75				
	Cairo (Helwan) ...	1011.9	84	N	3	b	1011.9	+1	75	-2	N	2	N	b	*	-	95	68				
	Jerusalem ...	*	73	WNW	3	b	*	*	72	0	SSE	1	-	b	*	-	86	63				
	Ramleh	1011.2	79	NW	1	b	1011.0	0	79	-2	-	0	-	o	*	-	88	70				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

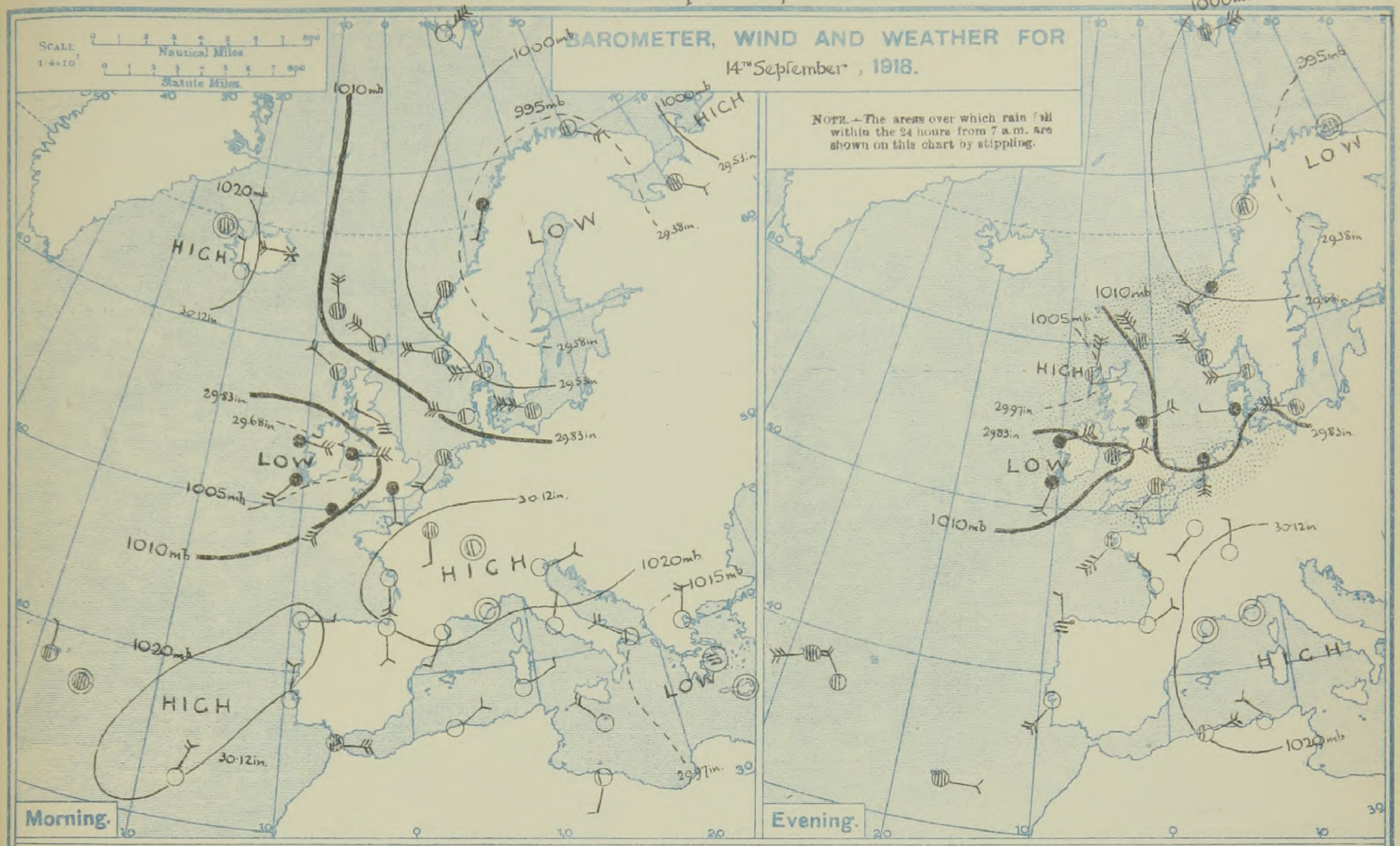
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20751 Sunday, 15th September 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 14TH September

	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.	Archangel ...						10084	–	43	–7	SE	2	5	–	×	×
	Petrograd ...															
	Moscow														×	
SWEDEN.	Hernösand ...							×						×	×	×
	Stockholm ...							×						×	×	×
	Wisby							×						×	×	×
ITALY.	Venice						1021·7	×	61	–9	ENE	2	b	–	72	55
	Turin						1023·4	×	59	!	–	0	bc	·	77	57
	Pesaro						1021·3	×	66	–9	NW	2	bc	–	82	61
	Leghorn ...						1011·1	×	66	–6	NE	7	b	2	72	61
	Rome						1018·3	×	66	–6	NW	2	b	–	82	63
	Viesti						1017·6	×	?		NE	1	0	–	81	66
	Brindisi						1015·0	×	?	?	NW	3	b	8	?	?
	Cagliari						1017·0	×	70	?	ENE	1	b	–	86	61
	Palermo							×								
	Tripoli						1019·7	×	73	–4	SSW	1	b	–	82	68

ICELAND.	Morning of 14TH: Barom. Millibars at M.S.L.	Temp.: Dry Bulb.	Temp.: Change in 24 hours.	Wind: Direc.	Wind: Force 0–12.	Weather.
		°F.	°F.			
Isafjord ...	1020·7	34	–3	–	0	c
Reykjavik	1022·3	28	–6	–	0	c
Vestmanna	1020·6	32	–5	N	1	b
Seydisfjord	1019·4	30	–4	W	4	s
Thorshavn						

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

15TH & 16TH Sept 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·28	11·48	6·9
	5·30	11·48	6·6
Greenwich	5·36	11·55	6·15
	5·38	11·55	6·12
Wick	5·43	12·7	6·32
	5·45	12·7	6·29
Valencia	6·16	12·36	6·57
	6·18	12·36	6·54

LONDON 15TH Sept. 9h. G.M.T.	Humidity. 15 h. 14TH	Humidity. 9 h. 15TH	Sunshine for 14TH	24 Hours ended 9 h. 15TH: Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	87	95	0·0	63	57	56	5	o	or	or
CITY (Bunhill Row)	×	×	0·0	×	×	×	×	×	×	×
WESTMINSTER (St. James's Park)	73	80	0·0	63	58	48	8·5	×	×	×
" (Roof near Charing X) ..	90	99	0·0	63	57	×	86	orw.r	dogm	orm.orm
CAMDEN SQ. (British Rainfall)	82	94	0·0	71	49	46	10	or	o	×
KENSINGTON PALACE	90	94	0·0	63	56	50	10·6	or	o	×

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 14TH

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
250	5·5	15

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.

15TH SEPT., at 1h. G.M.T. — THE MORNING OF SUNDAY 15TH SEPTEMBER 1918, at 7h. G.M.T.

HIGH
LOW
HIGH
LOW
Barometer falling
Barometer rising slowly
Barometer rising
HIGH

EXPLANATION.

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

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

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

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

SEA DISTURBANCE.—Rough High

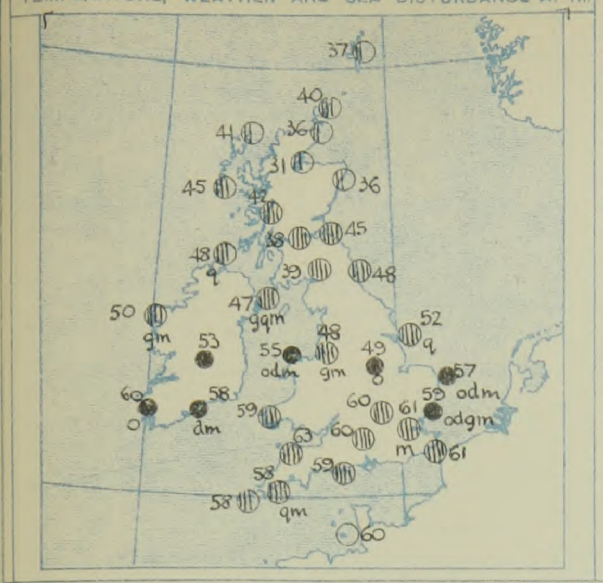
SCALE 1 : 2·10⁷
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

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

Scale of Tints for SEPTEMBER.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7 . Today

Rain fell rather heavily in the south of England, 13 mm. at Falmouth, 18 mm. at Portland Bill, and 12 mm. at Kew. In the north of Scotland 9-10 hours of sunshine were measured, but elsewhere the day was practically sunless. A cold night was experienced in the north, with screen minima down to 33° at Lerwick, Wick and Aberdeen, and 27 at Nairn. The highest day reading, 67°, was measured at Nottingham.

The Conditions at 7h. Today

A depression is shown off the south-west of Ireland, while an anticyclone covers Scotland. Pressure is rising rather rapidly over Southern Scandinavia as the depression in the Baltic region passes away north-eastwards.

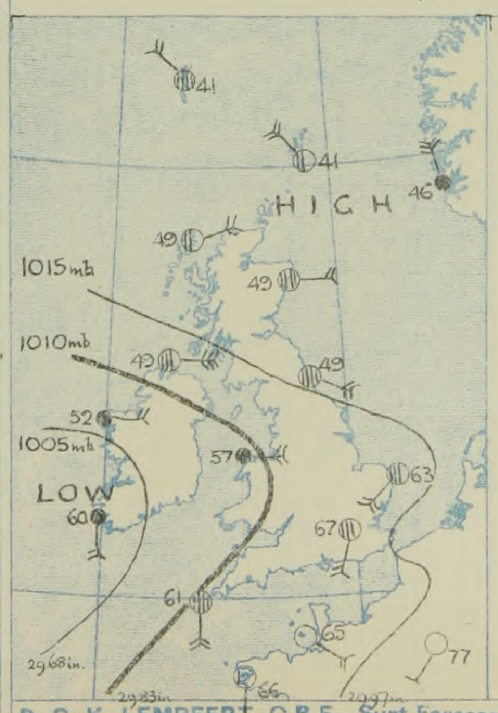
Winds over the different parts of the British Isles blow from all points of the compass, but do not exceed a moderate force, except at one or two isolated stations, and on the North Irish coast. There is much low cloud and some rain over England and NE. France, but in Scotland conditions are fairer. In Denmark a fresh NW. wind still prevails with fair weather. Over south-eastern France conditions remain anticyclonic.

The Outlook

On 13h. map. The depression is spreading slowly eastward and north-eastward, while the anticyclone over Scotland is moving away northward.

H. H.

Sunday, 15th SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No 258 (SUNDAY 15th Sept.

	STATIONS	EVENING OF 14th: Barom. Millibars at M.S.L.	Temp. °F.	Wind: Direc.	Wind: Force 0-12.	Weather.	MORNING OF 15th: 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 h. 15th: Rainfall. Millimetres.	Temp.: Max. °F.	Temp.: Min. °F.	Weather: Morning	Weather: Afternoon.	Weather: Night.	Sunshine for 14th Hours.
BRITISH ISLANDS.	Lerwick ...	1008·8	42	NW	8	cq	1006·8	+3	34	−2	WNW	4	W	bc	3	1	44	33	cqpr	cqph	bc	*
	Deerness (Orkney)	1012·5	43	NW	4	bc	1018·3	*	40	0	WNW	3	W	c	2	1	48	37	bc	bc	bcfp	9·6
	Stornoway ...	1015·9	44	NNE	5	bc	1019·2	+1	41	+2	N	3	-	bc	3	1	49	35	bc	bc	bcp	9·2
	Castlebay (Barra Isd.)	1014·9	47	NNE	5	bcq	1017·0	+0	45	0	ENE	4	-	c	4	-	50	44	bcq	cqbcq	bqpc	10·2
	Glasgow ...	1013·0	45	ENE	4	c	1017·5	+1	38	−2	ENE	4	-	o	*	-	48	36	oq	o	co	0·3
	Eskdalemuir ...	1012·9	42	NE	4	o	1017·8	+1	39	0	NE	3	-	o	*	4	44	38	rfrm	odoro	orcoro	0·0
	Malin Head ...	1011·3	50	NE	4	cq	1012·7	+1	48	−1	E	5	-	cq	5	0·1	50	46	cqp	cq	oq	0·0
	Blacksod Point	1008·7	48	ENE	6	omr	1007·9	−1	50	+1	ESE	3	-	omq	-	5	52	46	omr	omr	omrmp	*
	Valencia (Cahirciveen)	1008·7	58	SSW	3	od	1004·7	−3	60	+3	E	2	-	or	2	4	61	56	rofp	qpod	do cor	0·0
	Roche's Point	1009·5	58	SW	3	o	1007·3	*	58	0	SE	2	-	md	3	11	64	56	oco	oco	ofr dm	*
	Birr Castle ...	1008·9	51	E	1	r	1008·4	*	53	−3	E	1	-	r	*	6	59	50	or	or	or od	0·0
	Donaghadee ...	1011·1	49	E	4	oq	1013·5	+0	47	0	SE	5	-	oqmq	5	7	51	46	omrq	ompq	oqmbq	*
	Liverpool (Bidston)	1008·5	51	ENE	2	r	1013·2	0	48	−2	E	4	-	oqm	2	8	61	48	omrq	or	om	0·0
	Holyhead ...	1008·8	54	ENE	4	omq	1010·8	−1	55	+3	E	4	-	odm	2	1	60	51	odofe	ofemo	oboem	0·0
	Pembroke (St. Ann's)	1010·8	58	WSW	3	c	1010·1	+1	59	0	S	4	-	o	4	8	59	57	of, dc	of, dc	ofr	4·0
	Hartland Quay	1011·8	59	SW	3	m	1011·8	0	63	+3	S	5	-	o	4	21	63	59	odm	odm	orfo	*
	Scilly (St. Mary's)	1011·3	60	SW	3	f	1011·4	−1	58	−2	S	4	SW	c	4	3	61	57	mdf	fe	comc	0·0
	Falmouth ...	1011·9	61	SSW	5	orq	1012·5	+1	58	−1	SSW	5	-	omq	*	13	62	58	odm, bq	brq	dqmq	0·0
	Jersey (St. Aubin)	1015·9	64	SW	3	oq	1016·0	*	60	+1	SSW	3	-	b	2	2	66	59	oro	o,coq	qdo qb	0·2
	Portland Bill ...	1012·1	60	WSW	7	o	1013·8	+1	59	−1	WSW	4	-	o	5	18	60	53	or	of	od	*
	Dungeness ...	1012·0	60	SW	5	oq	1014·8	+1	61	+3	SW	3	-	o	3	6	61	57	or or	ro	or od	*
	Wick	1013·5	44	NW	3	bc	1018·6	+2	36	−3	WNW	2	-	bc	2	0·3	49	33	bc	bc	bcfp	*
	Nairn	1013·6	46	NNE	1	cq	1018·8	*	31	−4	-	0	-	bc	1	-	52	27	bc	bce	ebex	10·2
	Aberdeen ...	1013·5	44	NW	3	b	1019·0	+2	36	−5	WNW	2	-	bc	2	-	50	33	b,bc,vy	bc,bvy	bx, bc	10·2
	Leith	1013·6	48	E	3	c	1017·5	+4	45	−1	ENE	4	-	o	4	-	50	43	o	o,c,o	c, bc,co	*
	Tynemouth ...	1010·9	46	ENE	4	mr	1017·0	+1	48	+4	ESE	3	-	o	3	10	48	43	omr	omr	om	*
	Spurn Head ...	1008·0	51	NE	4	oq	1015·4	+1	52	+1	E	4	-	oq	4	8	59	49	orm	orq	oqr	0·0
	Yarmouth (Gorleston)	1008·7	62	SW	6	bcq	1014·6	+2	57	+7	ESE	3	-	omd	3	3	63	50	cd or	rq r	bcq, of	0·6
	Clacton-on-Sea	1000·7	61	SSW	4	oq	1014·2	+1	59	+4	S	2	-	oqmd	2	8	61	54	oqr	oqp	oqmd	0·0
	Nottingham ...	1010·2	50	N	2	fdm	1014·6	*	49	−1	NE	3	NE	or	-	4	67	48	ro,c	c bd	rd	1·2
	Benson (Oxon.) ...	1010·8	63	SW	2	o	1013·1	0	60	+6	SSW	3	-	o	*	6	65	54	r	bc	o	*
	Sth Farnborough	1011·4	61	SW	6	o	1014·0	+1	60	+6	SSW	4	-	ome	*	4	61	54	orm	or do	od, r, om	0·0
	Salisbury Plain	1011·4	62	SW	3	o	1013·6	+3	60	+5	SW	3	-	o	*	5	62	55	odr	odr	or, o, do	*
	London (Kew Obsy.)	1011·2	62	SW	3	o	1013·6	+1	61	+7	SSW	2	-	om	*	12	62	53	omr, or od	od, o od, o	o, or om	0·0
NORTHERN EUROPE.	Spitsbergen ...	999·1	36	ENE	6	o	997·4	0	32	+5	N	6	*	b	*	*	36	25				
	Vardö	990·3	43	-	0	o	?	0	43	−3	N	4	-	f	2	*	48	43				
	Bodö	996·3	45	-	0	c	999·8	+3	45	0	W	1	-	c	1	-	46	41				
	Christiansund ...	999·8	45	SW	4	r	1006·3	+4	45	+2	-	0	-	o	3	13	45	43				
	Skudesnaes ...	1004·8	46	NW	5	c	1011·5	+5	48	+3	NW	5	-	r	3	8	48	37				
	Færdet (X'tiania Fjord)	1001·4	48	WSW	6	b	1006·7	+6	46	−4	W	6	NW	b	3	-	54	45				
	The Scaw (Skagen)	991·4	48	W	6	c	1004·8	+5	50	−4	WNW	5	-	b	5	-	55	46				
	Blaavands Huk	1009·4	48	WNW	1	r	1015·5	+5	50	−2	NW	3	-	c	*	12	54	45				
	Copenhagen ...	1010·2	52	W	3	o	1011·8	+6	50	−2	NW	3	-	bc	*	4	55	43				
	Bornholm ...																					
FRANCE, &c.	The Helder ...	1008·3	57	S	4	r	1015·9	+3	55	0	NE	3	-	o	2	4	61	54				
	C. Gris Nez ...	1013·4	61	WSW	7	r	1015·8	+1	?61	+2	WSW	5	*	o	4	4	63	55				
	La Hève	1017·0	63	SW	4	c	1018·4	*	57	+2	S	3	*	bc	-	-	63	55				
	Brest (St. Mathieu)						1015·4	−1	59	0	SSE	4	*	f	-	-	63	59				
	Rochefort (Ile d'Aix)	1019·1	64	NW	2	b	1016·2	−1	59	+4	SE	2	*	b	*	-	75	54				
	Biarritz	1016·2	72	NE	2	b	1014·2	0	72	+19	SE	3	*	b	-	-	79	61				
	Paris	1017·0	63	SW	2	b	1019·6	+1	52	−2	S	1		b	*	-	70	48				
	Belfort	1021·4	55	N	1	b	1023·4	*	55	+5	-	0	*	bc	*	-	68	45				
	Lyons						1021·8	*	54	+6	W	?	*	b	*	-	70	46				
	Nice	1021·6	63	-	0	b	1023·6	+1	66	−4	-	0	*	b		-	77	57				
	Perpignan ...	1020·8	64	-	0	b	1021·0	+2	63	+9	W	1	-	o	*	-	73	52				
	Sanguinaire ...	1020·7	72	NW	2	m	1022·4	*	72	0	E	2	*	m	-	-	82	66				
IBERIA, &c.	Coruna	1018·3	66	N	1	m	1015·6	0	61	+2	S	2	-	b	2	-	68	54				
	Madrid														*							
	Lisbon	1016·3	77	SW	4	b	1017·1	+1	63	0	WSW	1	-	b	-	-	81	63				
	Azores (Horta) ...	1013·9	*	WSW	5	o	1011·6	+1	63	0	-	0	*	c	1	-	73	63				
	,, (P. Delgada)	1013·2	*	WNW	4	c	1010·8	0	66	0	W	4	*	o	4	-	72	66				
	Madeira	1018·6	73	E	2	o	1019·0	0	68	+2	E	2	-	b	2	-	75	68				
	Gibraltar							*					*									
	Palma																					
MEDITERRANEAN.	Algiers	1020·0	75	ENE	4	bc	1019·8	+2	72	−3	NE	2	-	b	3	-	79	68				
	Malta	*	*	*	*	*	1018·7	+2	77	+2	NW	1	-	bc	*	-	86	72				
	Salonica	1015·7	77	NNW	3	b	1020·5	+3	74	+1	SSW	1	NE	c	-	-	97	72				
	Athens	1014·2	79	NNE	1	b	1016·6	+2	75	0	NNE	4	N	bc	3	-	86	72				
	Candia	1011·4	75	-	0	b	1012·6	0	77	+2	NW	1	-	b	-	-	86	84				
	Limassol	*	*	*	*	*	1008·4	0	79	0	-	0	-	b	-	-	95	63				
	Alexandria ...	1012·2	77	N	2	b	1011·6	0	79	−2	NW	2	NW	b	-	-	88	73				
	Cairo (Helwan) ...	1011·0	82	N	2	b	1011·2	+1	73	−2	N	2	NW	bc	-	-	93	70				
	Jerusalem ...	?	73	WNW	3	b	?	0	70	−2	-	0	-	b	*	-	90	61				
	Ramleh	1009·4	79	NW	1	b	1009·9	0	82	+3	SE	1	-	o	*	-	90	72				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

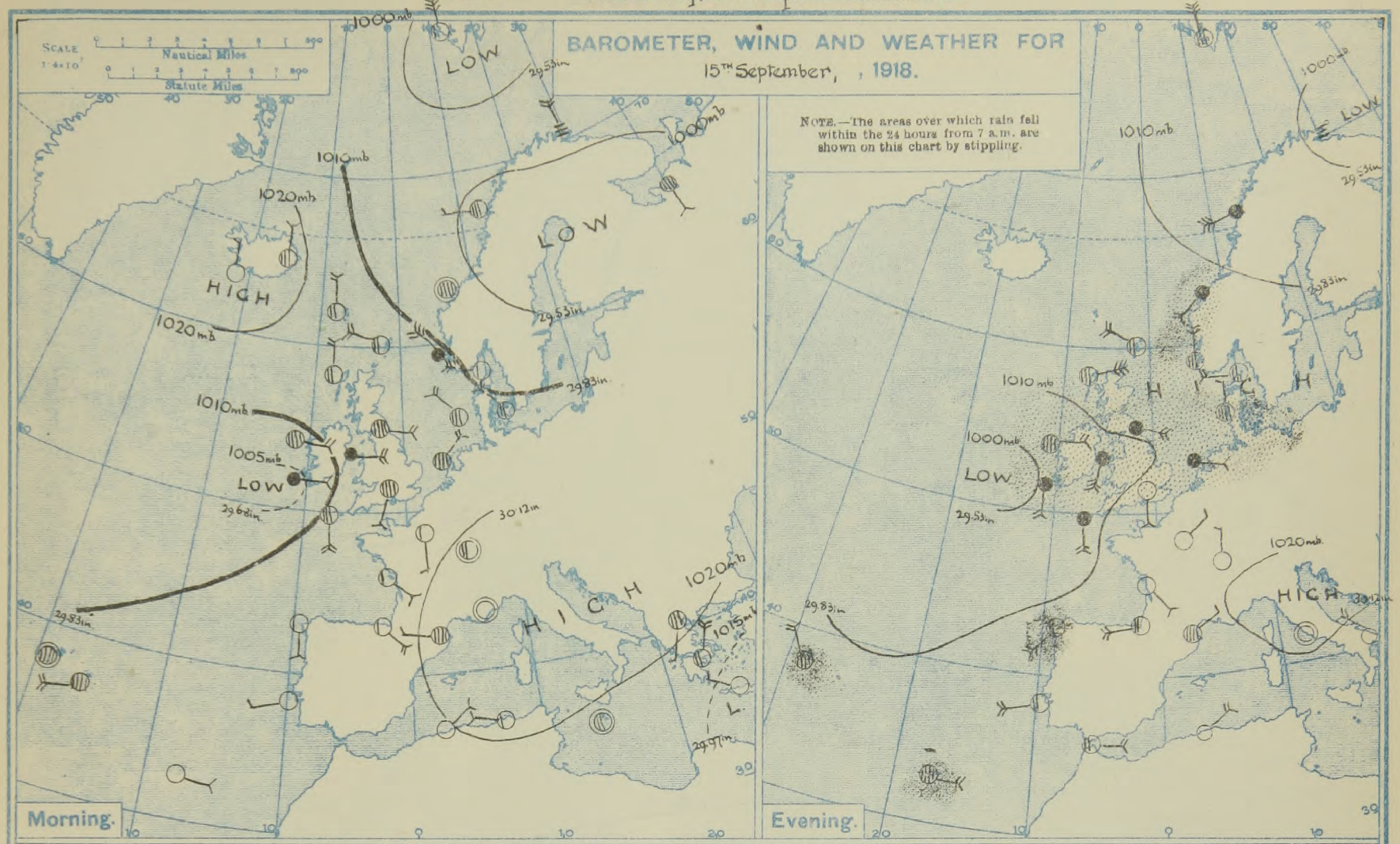
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent
z dust haze; the turbid atmosphere of dry weather.

* 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. 20,752 — Monday, 16th September 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 15TH SEPTEMBER

	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.	Morning of 15th: Barometer. Change in 3 hours.	Morning of 15th: Temp. Dry Bulb.	Morning of 15th: Temp. Change in 24 hours.	Morning of 15th: Wind. Direc.	Morning of 15th: Wind. Force 0–12.	Morning of 15th: Weather.	Morning of 15th: Rainfall. Millimetres.	Morning of 15th: Temp. Max.	Morning of 15th: Temp. Min.
			°F.						°F.	°F.					°F.	°F.
RUSSIA.	Archangel ...						998·3	‡ –	46	+3	S	2	0	–	※	
RUSSIA.	Petrograd ...															
RUSSIA.	Moscow														※	
SWEDEN.	Hernösand ...							※						※	※	※
SWEDEN.	Stockholm ...							※						※	※	※
SWEDEN.	Wisby							※						※	※	※
ITALY.	Venice							※								
ITALY.	Turin							※								
ITALY.	Pesaro							※								
ITALY.	Leghorn ...							※								
ITALY.	Rome							※								
ITALY.	Viesti							※								
ITALY.	Brindisi							※								
ITALY.	Cagliari							※								
ITALY.	Palermo							※								
ITALY.	Tripoli							※								

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 ...	1021·2	27	-7	–	0	bc
Reykjavik	1021·2	30	+2	–	0	b
Vestmanna	1020·3	34	+2	N	1	b
Seydisfjord	1021·2	28	-4	N	2	c
Thorshavn	1018·2	34	?	N	3	bc

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

16TH & 17TH Sept. 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·30	11·48	6·6
	5·31	11·48	6·4
Greenwich	5·38	11·55	6·12
	5·39	11·55	6·10
Wick	5·45	12·7	6·29
	5·47	12·7	6·26
Valencia	6·18	12·36	6·54
	6·19	12·36	6·52

LONDON 16TH Sept. 9h. G.M.T.	Humidity. 15 h. 15TH %	Humidity. 9 h. 16TH %	Sunshine for 15TH Hours.	24 Hours ended 9 h. 16TH: Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	76	78	4·3	71	50	40	–	ob	c	bc w c f
CITY (Bunhill Row)	※	※	3·6	※	※	※	※	※	※	※
WESTMINSTER (St. James's Park)	73	80	4·3	70	51	48	1	※	※	※
(Roof near Charing Cross).	74	81	4·3	69	55	※	0·2	o m d	b c. b c w	※
CAMDEN SQ. (British Rainfall)	–	84	2·6	71	49	46	0·3	–	–	※
KENSINGTON PALACE	70	87	4·2	69	50	43	1	o d b	c. b c	※

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

SOUTH KENSINGTON (M.O.)

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

Total.	Average Rate.	Max. Rate.
Joules. 620	Milliwatts. 13·6	Milliwatts. 61

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.

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‡ The barometric change is expressed in half-millibars.

16th SEPT., at 1h. G.M.T. | THE MORNING OF Monday, 16th SEPTEMBER 1918, at 7h. G.M.T.

HIGH
LOW
HIGH
LOW
HIGH
Bar falling
Barometer scarcely changing

1015mb 1010mb 1005mb 1000mb 1020mb 1025mb
29.97in 29.83in 29.68in 30.12in 29.53in

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.

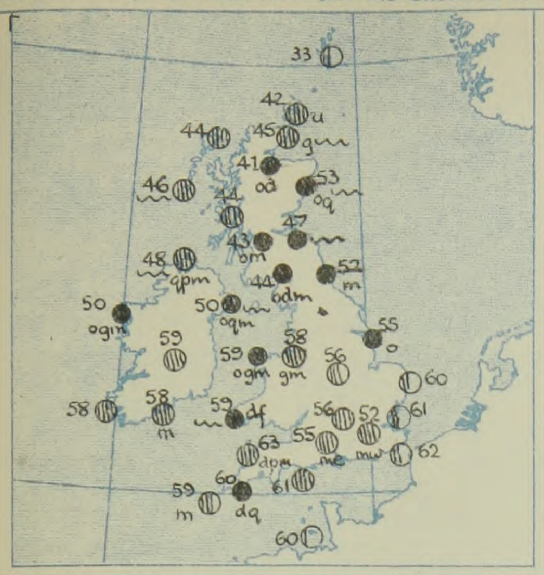
WEATHER,—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ☂ rain falling.
✳ snow. ▲ hail. ≡ fog. ≡ᶜ mist. ϒ, thunder.
ϒ, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈≈.

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 SEPTEMBER.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

Dull weather and heavy rain were experienced over Scotland and the north of England and Ireland yesterday, the fall reaching 56 mm. at Holyhead, and 54 mm. at Eskdalemuir, but in the extreme north the weather was fair. Over the south of England and Ireland weather was dull on the whole except in the Mid-Channel, where 10 hours of sunshine were recorded at Jersey. Fresh NE. winds prevailed over Scotland, and caused low temperatures, the maximum exceeding 50° only at Aberdeen, while at Lerwick the minimum fell to 32°, but in the south Southerly winds and relatively mild weather prevailed.

The Conditions at 7h. Today

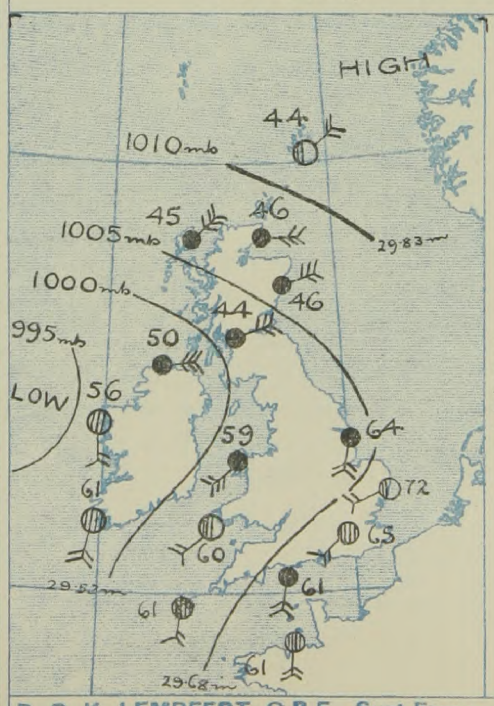
The moderately deep depression which was centred between the Azores and Ireland yesterday has spread somewhat north-eastwards over these Islands. There is a large shallow depression over the north of Finland, and pressure is low also in the Levant. The barometer continues to rise in Iceland, and fresh or strong E. winds with dull, rainy weather now prevail in Scotland and the north of Ireland; pressure is high also over Italy and Macedonia, and a NE. gale is reported at Mudros.

The Outlook

The barometer is falling slowly over the northern half of these Islands, but is changing little over France and the Eastern Channel, and the depression centred west of Ireland will continue to affect our weather for the present, extending gradually across the N. Sea to Norway and Denmark. No material change in the weather is to be expected at present.

W.W.

MONDAY, 16TH SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



The depression has moved somewhat north-eastward as anticipated and is now centred west of Blacksod Point. No change is indicated in this morning's inferences.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H. G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No 259

MONDAY 16TH SEPT.

	STATIONS.	EVENING OF 15TH				MORNING OF 16TH								24 HOURS ENDED 7 h 16TH						Sunshine for 15TH
		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 ...	10[3]9·0	40	NW	4	bc	1015·9	-2	33	-4	N	4	-	bc	3	-	43	32	bc	bc	bc	*
	Deerness (Orkney)	1018·3	42	NE	4	q	1013·2	*	42	+2	NE	5	SE	ow	4	-	48	39	c.bc	bc.c o	o.c.bo	3·1
	Stornoway ...	1016·1	45	ENE	6	cq	1010·8	-1	44	+3	E	6	`	o	5	0·4	49	39	bcp	bc.cq	bc.oq	4·8
	Castlebay (Barra Isd.)	1012·1	48	NE	5	o	10058	-2	46	+1	NE	5	-	o	6	-	49	45	c.o	o	o	0·1
	Glasgow ...	1012·3	43	ENE	5	omr	1004·7	-2	43	+5	NE	5	-	omr	*	16	44	38	o	orq	omrq	0·0
	Eskdalemuir ...	1011·7	43	NE	4	orm	10054	-1	44	+5	NE	5	-	odm	*	54	44	39	o	orm	orm.or	0·0
	Malin Head ...	10060	48	E	6	omqp	9994	-3	48	0	E	6	-	omqp	6	4	49	46	cq	omqp	omqp	0·0
	Blacksod Point	1002·4	53	E	3	gom	996·9	-2	50	0	E	3	-	ogmr	3	17	53	49	omr	omq	r[illegible]	*
	Valencia (Cahirciveen)	10008	61	S	3	odm	999·7	0	58	-2	S	4	-	o	3	26	62	58	or	domdr	or.o	0·0
	Roche's Point	10030	58	S	3	fd	999·0	*	58	0	SW	3	-	om	3	17	59	57	r.dfe	fd	dfm	*
	Birr Castle ...	10023	58	W	1	r	999·2	*	59	+6	S	1	-	o	*	19	62	53	or	or	or.o	0·0
	Donaghadee ...	1005·2	48	ESE	6	omrq	999·3	-1	50	+3	ESE	5	-	omrq	5	29	50	46	ogmq	omrq	omrq	*
	Liverpool (Bidston)	1006·3	56	E	3	m	1001·0	-2	58	+10	SSE	2	SW	ogm	1	30	59	48	or	or	or	0·0
	Holyhead ...	10040	59	SSW	5	orm	1000·5	-2	59	+4	SSW	4	-	ogm	3	56	59	55	oc.orm	or.d.rm	ogm	0·0
	Pembroke (St. Ann's)	1006·5	59	SSW	5	r	1001·3	+1	59	0	S	5	-	fd	5	11	59	58	ogr	ogmr.r	ogrfd	0·0
	Hartland Quay	10081	62	S	5	og	10034	-1	63	0	SSW	5	-	odpmq	4	2	63	60	o.op.o	o	odpm	*
	Scilly (St. Mary's)	1008·2	59	S	4	omr	10038	-1	59	+1	SSW	3	SW	cm	4	4	62	57	cp	op.omr	rfcm	0·0
	Falmouth ...	1009·0	60	SSW	4	om	1004·0	-2	60	+2	S	6	-	dq	*	4	61	58	omq.oe	om.o.cm	dq rq	0·0
	Jersey (St. Aubin)	1011·2	69	E	2	b	1008·8	*	60	0	SW	2	-	b	2	-	70	56	bc.b	b	bw.b	10·3
	Portland Bill ...	1011·1	60	SSE	3	b	10067	-1	61	+2	SW	5	-	o	4	-	63	58	bc	bc	bc.o	*
	Dungeness ...	1012·6	60	SSW	2	b	1007·5	+2	62	+1	SW	3	-	bc	2	-	67	58	o.c.o	o.bc	bc	*
	Wick	1017·6	45	NE	3	og	1012·3	-2	45	+9	ENE	5	-	qg	5	0·4	47	33	bc	c.og	omp	*
	Nairn	1015·6	45	E	3	c	1010·1	*	41	+10	E	2	-	do	2	2	48	31	bc.cg	cgq	cgp	4·3
	Aberdeen ...	1016·1	47	E	4	o	1009·6	-1	43	+7	ENE	5	-	orq	5	15	52	36	b.bc.oq	oyv	orq	4·0
	Leith	1013·7	46	E	4	r	1005·0	-1	47	+2	E	6	-	r	5	33	48	44	ogpo	od.or	r	*
	Tynemouth ...	1011·8	49	ESE	4	mrq	1001·8	-1	52	+4	-	0	-	rm	3	36	53	47	og	omrq	omr	*
	Spurn Head ...	10092	56	ESE	3	orm	1003·1	-1	55	+3	S	3	-	or	4	8	56	50	ogr	or	c.or	0·0
	Yarmouth (Gorleston)	1011·9	62	SSW	3	bc	10067	-2	60	+3	SW	3	-	bc	3	7	67	54	omd.em	cm	bc	0·4
	Clacton-on-Sea	1012·1	61	S	3	bc	1006·5	-1	61	+2	SSW	2	S	bc	2	0·4	65	57	og	og c.bc	bcp	3·1
	Nottingham ...	1008·6	60	S	1	o	1004·0	*	56	+7	SSW	1	-	cm	*	8	61	49	r	odm	c.o	0·0
	Benson (Oxon.) ...	1010·9	60	SSW	2	b	1005·5	-1	56	-4	SSW	2	-	o	*	0·1	67	48	o	bc	b.bc	*
	Sth Farnborough	1011·7	60	SSE	3	bc	10069	0	57	-3	SSW	3	-	o	*	0·2	67	50	odm.o	od.bc	bc.ba	3·2
	Salisbury Plain	1011·1	60	SSW	2	o	1006·5	-1	55	-5	SSE	1	S	oem	*	0·1	66	49	od.o	c.o	bf.m	*
	London (Kew Obsy.)	1011·5	63	S	2	b	1007·0	+2	52	-9	W	1	SW	omu	*	0·4	70	48	omd.or.c	c.b	b.bm	3·7
NORTHERN EUROPE.	Spitsbergen .	1006·0	30	N	6	c	1005·4	+1	32	0	N	6	*	c	*	*	32	25				
	Vardö	999·0	43	-	0	m	1003·1	-3	45	+2	N	2	-	r	2	*	45	41				
	Bodö	1006·6	45	WSW	6	r	1009·1	+1	43	-2	S	4	-	c	2	-	48	39				
	Christiansund ...	1013·4	41	SW	3	r	1013·4	-1	39	-6	-	0	-	b	3	7	46	37				
	Skudesnaes ...	1016·3	45	N	4	c	1012·0	-6	41	-7	SSW	3	-	c	3	1	48	39				
	Færder (Christiania Fjord)	1012·4	52	WNW	4	b	?	-1	45	-1	NNE	2	-	o	2	-	55	45				
	The Scaw (Skagen)	1013·2	52	W	3	bc	1013·1	-1	46	-4	S	1	-	r	1	-	57	46				
	Blaavands Huk	1020·0	50	N	1	o	1010·4	-7	50	0	ESE	3	-	f	*	4	55	43				
	Copenhagen ...	1018·2	52	W	2	c	1014·3	-3	50	0	SE	4	-	o	*	2	55	48				
	Bornholm ...																					
FRANCE, &c.	The Helder ...	1014·4	55	E	2	r	10082	-3	54	-1	SE	2	SW	bc	1	3	59	52				
	C. Gris Nez ...	1014·3	61	SW	1	b	1008·0	+1	62	+1	SW	3	*	b	2	-	66	54				
	La Heve	1013·2	68	SSW	1	b	1010·3	*	61	+4	SSW	3	*	bc	2	-	75	59				
	Brest (St. Mathieu)	1011·8	64	SSE	3	bc	1008·0	-1	63	+4	S	4	*	f		-	66	59				
	Rochefort (Ile d'Aix)	1011·5	73	SSW	2	b	1011·4	0	61	+2	-	0	*	bc	*	-	86	61				
	Biarritz	1011·1	72	WSW	4	bc	1010·4	-2	64	-8	SSE	3	*	bc		-	75	61				
	Paris	1014·7	66	SSE	1	b	1011·9	0	61	+9	SSE	2	-	b	*	-	77	52				
	Belfort	1018·7	61	N	1	b	10187	*	57	+2	-	0	*	b	*	-	75	50				
	Lyons	1016·7	72	S	3	b	1016·8	*	63	+9	-	0	*	b	*	-	79	57				
	Nice						1023·0	0	68	+2	-	0	*	b		-	77	50				
	Perpignan ...	1017·2	70	NE	1	o	1016·6	+1	70	+7	-	0		o	*	-	77	64				
	Sanguinaire ...	10200	72	NW	1	b	1020·7	*	68	-4	E	2	*	b		-	86	64				
IBERIA, &c.	Corunna	1014·0	73	SW	4	bc	1005·8	-3	64	+3	SSE	2	-	o	2	B	75	63				
	Madrid														*							
	Lisbon	1015·4	72	WSW	4	bc	1013·8	-1	64	+1	SW	2	-	o	*	-	75	64				
	Azores (Horta) ...	1011·6	*	NW	5	c	1013·8	+2	63	0	N	4	*	o	2	1	72	63				
	,, (P. Delgada)		*				1012·4	+1	63	-3	NNW	2	*	bc	3	-	72	63				
	Madeira	1016·8	73	E	3	o	1016·8	0	68	0	SW	2	-	o	2	1	75	68				
	Gibraltar	1017·9	71	E	3	bc	1015·9	*	70	1	E	3	*	o	3	-	79	69				
	Palma																					
MEDITERRANEAN.	Algiers	1018·4	75	NE	3	b	1016·4	0	73	0	-	0	-	b	2	-	79	73				
	Malta	*	*	*	*	*	1018·6	+1	75	-2	-	0	-	b	0	-	82	72				
	Salonica	1019·1	72	-	0	b	1028·8	+3	70	-4	NW	1	-	b	*	-	85	65				
	Athens																					
	Candia	1015·0	75	NW	3	o	1013·9	0	75	-2	W	1	-	bc	3	-	86	73				
	Limassol	*	*	*	*	*	1008·4	+1	79	?	-	0	-	b	0	-	90	63				
	Alexandria ...	1011·8	77	N	3	b	1013·2	+2	75	-4	-	0	NW	b	0	-	86	75				
	Cairo (Helwan) ...	1010·8	82	N	3	b	1013·5	+3	72	-1	NE	1	NW	b	*	-	93	64				
	Jerusalem ...	?	75	WNW	3	b	?	?	70	0	W	3	-	b	*	-	91	63				
	Ramleh	1008·6	79	-	0	b	1012·3	+3	82	0	S	1	-	c	*	-	93	73				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

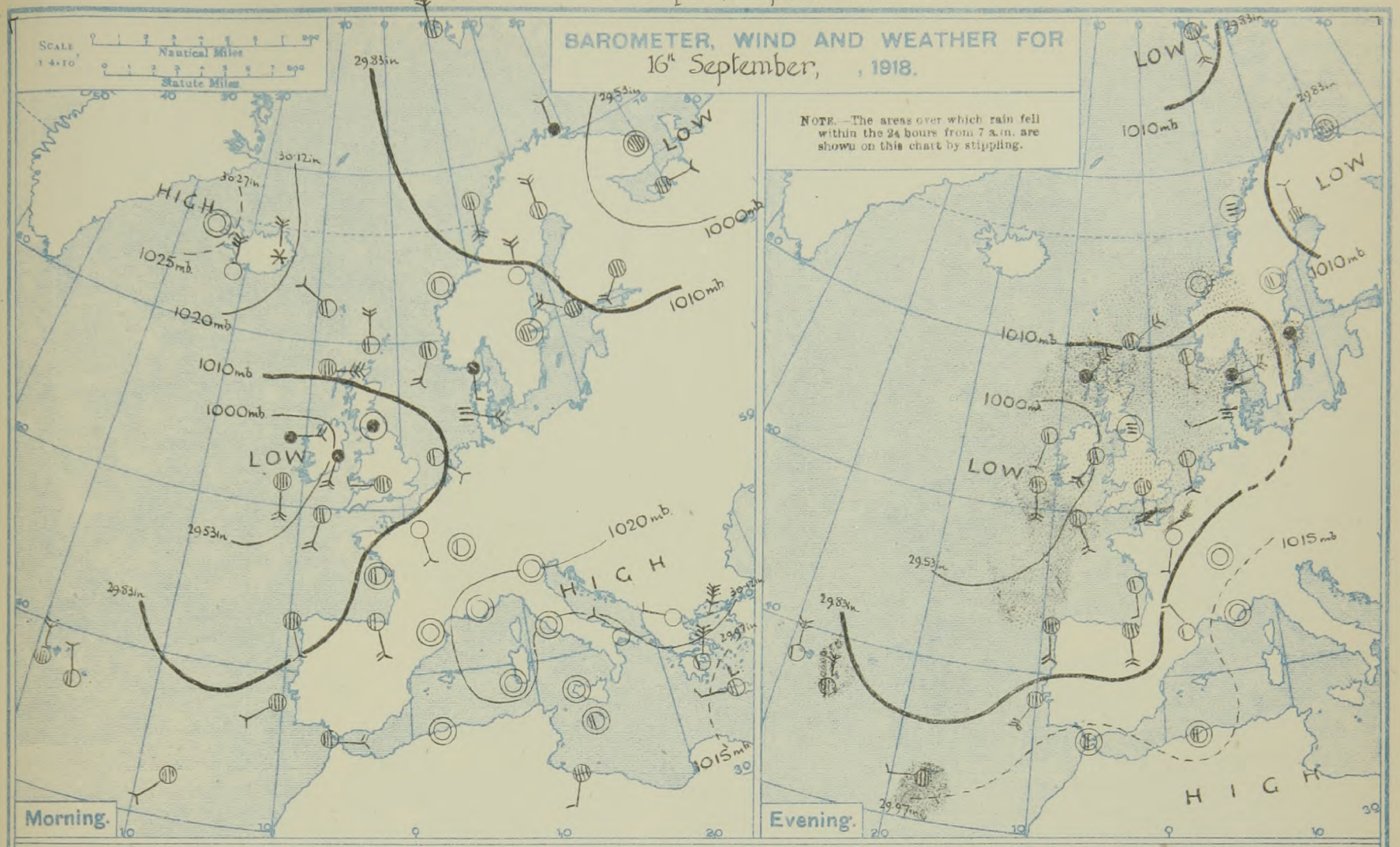
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20753 Tuesday, 17th September 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 16th SEPTEMBER

	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.	Archangel ...														*	
	Petrograd ...															
	Moscow														*	
SWEDEN.	Hernösand ...						1011·9	*	45	?	N	4	b	*	*	*
	Stockholm ...						1014·4	*	46	?	–	0	c	–	*	*
	Wisby						1015·6	*	45	?	SW	2	0	*	*	*
ITALY.	Venice	1020·6	68	–	0	b	1019·4	*	66	?	–	0	b	–	75	59
	Turin	1020·8	66	–	0	b	1021·1	*	63	?	–	0	b	–	77	55
	Pesaro						?	*	61	?	–	0	b	–	73	52
	Leghorn ...	1020·2	70	–	0	b	1019·7	*	66	?	–	0	b	–	81	61
	Rome	1020·2	70	–	0	b	1019·7	*	63	?	–	0	b	–	82	56
	Viesti	1019·3	70	NW	2	b	1019·4	*	72	?	WNW	2	b	–	77	63
	Brindisi	1019·0	72	NW	3	b	1019·5	*	72	?	NW	2	b	–	75	72
	Cagliari						1019·9	*	68	?	–	0	b	–	79	63
	Palermo						1018·2	*	75	?	–	0	b	–	84	62
	Tripoli						1020·6	*	70	?	SSW	1	0	–	93	68

ICELAND.	Morning of 16th: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F.	°F.			
Isafjord ...	1026·3	32	↑ 5	–	0	b
Reykjavik	1024·8	34	+4	N	4	b
Vestmanna	1022·7	36	+2	N	5	b
Seydisfjord	1022·6	34	+6	N	4	S
Thorshavn	1015·8	38	+4	NW	2	0

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

17th + 18th Sept 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·31	11·48	6·4
	5·32	11·47	6·2
Greenwich	5·39	11·55	6·10
	5·40	11·54	6·8
Wick	5·47	12·7	6·26
	5·49	12·6	6·24
Valencia	6·14	12·36	6·52
	6·20	12·35	6·50

LONDON 17th Sept. 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.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	81	76	1·7	69	59	55	1	o	obc	or, od
CITY (Bunhill Row)	*	*	0·7	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	84	92	0·7	67	61	60	5·8	*	*	*
" (Roof near Charing Cross) ..	81	77	1·0	67	61	*	5·6	cm	odr	r
CAMDEN SQ. (British Rainfall)	83	75	0·5	70	60	55	9	o	o	*
KENSINGTON PALACE	80	71	0·6	67	60	57	8·5	o	or	*

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during ...16th.....

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

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.

‡ The barometric change is expressed in half-millibars.

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17th SEPT., at 1h. G.M.T.

THE MORNING OF Tuesday, 17th SEPTEMBER 1918, at 7h. G.M.T.

EXPLANATION.

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

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

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

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

SEA DISTURBANCE.—Rough. High.

SCALE 1 : 2 x 10⁷
Nautical Miles 0 1 2 3 4
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 SEPTEMBER.

LOW

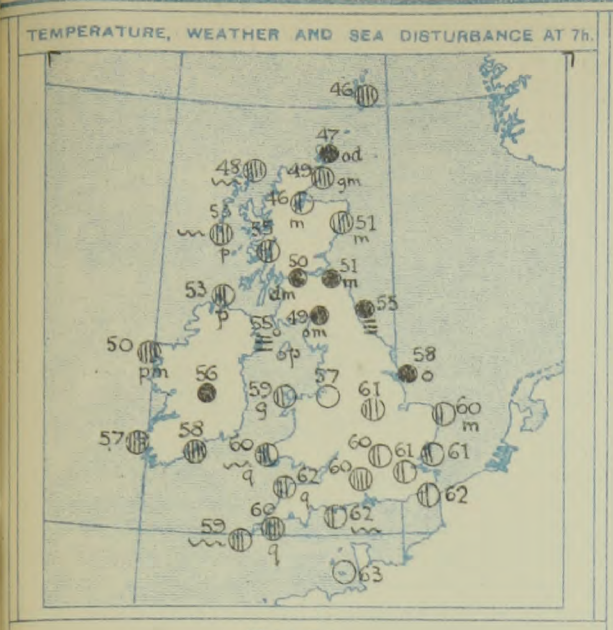
HIGH

Barometer falling

Barometer rising

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

29.97in 30.12in 29.83in 29.38in 29.53in 29.68in 29.24in 29.97in



GALES.

STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours end d 7a. Today

Rain fell at nearly all places, often in connexion with thunderstorms, and the amounts recorded wer considerable at Eskdalemuir (28 mm), Glasgow and Blacksod Point. There was very little bright sunshine over the country as a whole, a total of 5 hours being exceeded only at Birr Castle (7.2), Yarmouth and Clacton. Temperatures were somewhat higher than yesterday except in Scotland, where the freshening E. winds caused a drop of several degrees, and a maximum of 74° was recorded at Yarmouth; during the night in the north of Scotland the thermometer fell below 40°.

The Conditions at 7h. Today

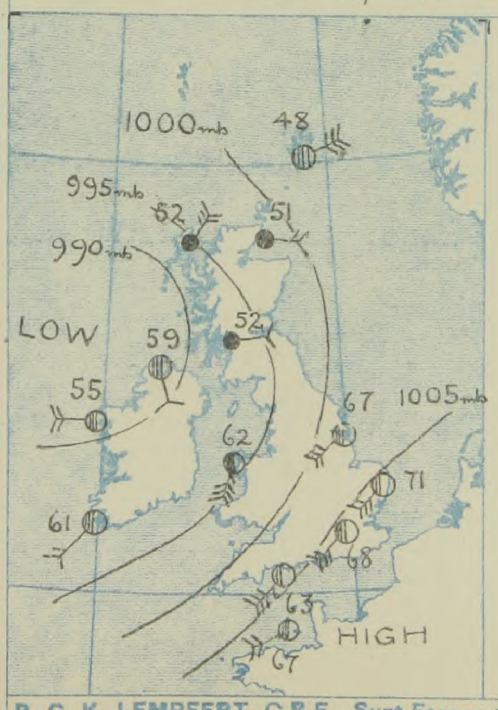
The depression that was between the Azores and Ireland yesterday has changed its position very little, but has grown deeper, and the winds are becoming fresh or strong over these Islands. The Norwegian depression is now off North Cape, and has caused a strong E. wind at Spitzbergen; the gradient in the Aegean has become less steep and the winds there have moderated. Pressure is high over most of the Mediterranean region and Switzerland, and also over Iceland and to the north-westwards. Over these Islands weather is mainly cloudy with local areas of heavy rain.

The Outlook

The barometer is falling irregularly over most of these Islands; it is rising in the south and over France, but this rise is probably only temporary; and no change in the general situation is to be anticipated at present, and cloudy weather with occasional rain is likely to continue.

H. A.

TUESDAY, 17TH SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



The depression appears to be definitely moving north-eastward; it is now centred north-westward of Ireland, and the winds are veering and freshening in its rear.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn.

H. G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 260 [17th Sept.

	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 h. 17TH. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 16TH. Hours.
BRITISH ISLANDS.	Lerwick ...	1012·1	42	NE	4	c	1006·1	−2	46	+13	E	6	–	o	4	–	46	36	bc	bc	c	
	Deerness (Orkney)	1008·1	43	ENE	5	rw	1002·4	*	47	+5	E	5	–	o d	4	3	47	41	ow	our	r o d	0·0
	Stornoway ...	1005·9	44	NE	6	orq	998·1	−3	48	+4	NE	6	–	o	5	7	49	42	o.opq	orq	or.opq	0·0
	Castlebay (Barra Isd.)	1000·5	46	NE	5	rq	994·4	−3	53	+7	E	4	–	op	6	11	54	44	opq	op.rq	rq.op	0·0
	Glasgow ...	1001·8	46	ENE	4	omr	997·3	−3	50	+7	ENE	4	–	m d	*	24	50	43	or	or	omp	0·0
	Eskdalemuir ...	1001·7	47	NE	2	o d q m	997·4	−4	49	+5	NE	3	–	o m	*	28	54	44	o m	o m	o d m o r	0·0
	Malin Head ...	996·1	54	SE	2	c m r	990·4	−4	53	+5	SW	3	SE	c p	3	7	55	46	o m q r	o m q r	c p	0·1
	Blacksod Point	995·7	56	SSW	2	b c p	988·8	−2	50	0	S	2	–	o m p	2	26	59	49	o m.r ll	b c p	b c p.o m	
	Valencia (Cahirciveen)	995·9	60	S	4	c	988·6	0	57	−1	SSE	2	S	o	3	6	63	55	o.c	o.c	o r l.c o	4·6
	Roche's Point	998·5	58	SE	3	o m	991·0	*	58	0	SSW	3	–	o	4	1	63	57	d o m	o m	o m	
	Birr Castle ...	997·5	62	SE	1	b c	989·8	*	56	−3	SSE	1	–	r	*	14	67	55	c	b c	c.o r	7·2
	Donaghadee ...	999·1	54	NNW	2	o f p	994·6	−3	55	+5	S	3	–	o f p	2	8	56	50	o m q	o m	o f p l l	
	Liverpool (Bidston)	1001·9	63	SW	1	b c	997·1	−2	57	−1	SE	3	–	b	1	7	66	56	o p.c	b c	r.o.b	2·5
	Holyhead ...	1001·4	60	SW	4	c g	995·0	−2	59	0	S	5	SW	b c g	4	13	61	56	o g m d	c.b c.c g	o p.c p	1·8
	Pembroke (St. Ann's)	1001·9	59	SSW	3	f	995·7	+1	60	+1	S	6	SW	c q	5	13	60	58	o.c	c.o f.o f	o f q h	0·4
	Hartland Quay	1002·9	63	SSW	4	o	998·2	−1	62	−1	SSW	7	–	c q	4	3	64	61	o m d.m o	d m o o p	d c l c q	
	Scilly (St. Mary's)	1002·7	59	SSE	3	c m	997·4	+1	59	0	S	5	S	c	5	1	62	57	o.c m	o.c m	b c l.c p	0·4
	Falmouth ...	1003·3	59	SSE	2	o g m e	998·8	0	60	0	SW	6	–	c q	*	4	63	58	r q d q	o g q m e	r q.o q	0·0
	Jersey (St. Aubin)	1006·8	65	S	2	o g p	1005·6	*	63	+3	S	2	–	b	2	2	67	60	b c.o	o p.o g p	o g r.o b	1·5
	Portland Bill ...	1005·4	61	SSW	4	o d	1002·3	0	62	+1	SSW	5	SW	b c	5	5	62	59	o p	o p d	c r.b c	
	Dungeness ...	1007·6	63	SW	3	b c	1004·6	+4	62	0	SW	4	SW	b c	3	–	67	60	b c	b c	b c.c	
	Wick	1008·1	44	E	5	o m q r	1001·7	−3	49	+4	E	3	–	o m g	4	4	49	43	o m p g	o m p r	o m r p	
	Nairn	1004·6	44	E	3	d g o	999·0	*	46	+5	–	0	–	c m	1	7	46	39	d o	o d g	d o u	0·0
	Aberdeen ...	1004·6	47	ENE	5	o d m	1000·1	−2	51	–	E	1	–	o m	4	14	51	43	o r q	o r p.d q	o r d m	0·0
	Leith	1001·7	49	NE	5	r m	996·9	−2	51	+4	E	2	–	r m	3	15	51	46	r	r	r m.o r	
	Tynemouth ...	1000·6	55	–	0	f	997·1	−2	55	+3	–	0	–	f r	3	18	59	52	o m r f	f	f r	
	Spurn Head ...	1002·8	63	S	4	o	998·8	−2	58	+3	S	4	–	o r	4	4	66	55	b c.o r	o	o r	0·7
	Yarmouth (Gorleston)	1006·6	64	SSW	4	o	1002·6	−3	60	0	SSW	3	–	b c m	3	3	74	59	bc	b c.o	o p l.b c	6·9
	Clacton-on-Sea	1007·1	62	SSE	3	o g r	1002·6	+2	61	0	SW	4	SW	b c	4	1	68	60	b c g	b c.o g r	o g p b c	5·4
	Nottingham ...	1003·5	64	SSW	2	o	999·9	*	61	+5	SSW	2	SW	c	*	3	67	56	c.o r	o.c p	o	0·3
	Benson (Oxon.) ...	1005·4	62	S	3	o	1001·5	+2	60	+4	SW	3	–	b c	*	4	63	56	o m	r	r m	
	Sth Farnborough	1006·8	62	SW	4	o m	1003·1	+2	61	+4	S	5	–	o	*	18	64	57	o.d o	o d.o m	o r l.c o	0·0
	Salisbury Plain	1005·4	61	S	3	o	1002·4	+2	60	+5	S	3	SW	o	*	3	63	55	m o d o r	o d.t o d	o d o.c o	0·0
	London (Kew Obsy.)	1006·6	64	S	2	o	1003·2	+3	61	+9	SW	3	SW	b c	*	6	67	59	o m w o	o	o o r b c	0·1
NORTHERN EUROPE.	Spitsbergen ...	1008·4	32	S	4	o	1009·5	+1	32	0	ENE	6	*	o	*	*	34	28				
	Vardo	1006·2	45	–	0	o	1006·8	0	50	+5	W	2		b	3	*	48	43				
	Bodö	1011·4	50	–	0	f	1012·8	0	39	−4	E	1	–	b	1	–	50	36				
	Christiansund ...	1012·0	39	–	0	b	1010·0	−1	39	0	SE	1	–	b	2	TRACE	46	37				
	Skudesnaes ...	1007·0	46	S	1	b c	1004·0	0	50	+9	E	5	–	o	2	4	50	41				
	Færder (Ytanda Fjord)	1009·5	46	NE	4	o	1011·1	+1	46	+1	ENE	4	–	o	1	3	46	45				
	The Scaw (Skagen)	1006·2	48	ENE	4	r	1007·8	+1	52	+6	ENE	2	–	r	2	24	52	46				
	Blaavands Huk	1006·6	59	WSW	1	m	1006·0	−2	57	+7	S	1	–	o	*	1	63	48				
	Copenhagen ...	1008·2	63	SW	2	o	1009·2	+1	59	+9	–	0	–	m	*	–	64	50				
	Bornholm ...																					
FRANCE, &c.	The Helder ...	1007·6	63	S	3	b c	1002·8	−5	61	+7	SE	4	–	r	1	11	66	54				
	C. Gris Nez ...	1008·2	63	WSW	1	c	1005·4	+5	63	+1	SW	5	*	b	4	–	70	59				
	La Hève	1009·2	66	N	1	o	10067	*	61	0	SSW	5	*	b		–	75	57				
	Brest (St. Mathieu)	1005·2	61	S	5	o	1004·2	+2	61	−2	S	5	*	b		2	66	59				
	Rochefort (Ile d'Aix)	1006·6	73	S	1	b c	1011·8	+3	64	−3	S	3	*	b c	*	3	82	61				
	Biarritz	1005·5	88	S	4	o	1012·2	+3	70	+6	ENE	2	*	b c		–	95	66				
	Paris	10083	70	SSW	1	b	1011·2	+4	63	+2	SSW	3	–	c	*	7	79	61				
	Belfort	1012·8	64	–	0	b	1015·5	*	61	+4	E	2	*	c	*	–	82	52				
	Lyons	10131	72	S	5	b c		*					*		*							
	Nice	1019·5	66	–	0	b	1020·7	+1	64	−4	–	0	*	b c		–	?	?				
	Perpignan ...	1012·7	73	NW	1	b	1015·0	+2	66	+4	–	0	–	c	*	–	86	64				
	Sanguinaire ...	1017·0	72	NW	2	b	10187	*	72	+4	SE	2	*	b	·	–	86	64				
IBERIA, &c.	Corunna	1006·8	72	S	3	o	1010·0	+2	64	0	SSW	2	SW	c	2	7	72	64				
	Madrid														*							
	Lisbon	1013·4	70	WSW	3	c	1012·1	−1	68	+4	SW	2	–	o	6	–	73	64				
	Azores (Horta) ...	1013·4	*	N	4	b	1010·6	+1	61	−2	WNW	1	*	o	2	–	72	61				
	,, (P. Delgada)	1011·8	*	NNW	3	c	1010·0	0	61	−2	NNW	1	*	c	3	1	70	61				
	Madeira	1014·7	75	W	1	o	1012·3	0	72	+4	WSW	4		r	3.	1	75	68				
	Gibraltar	10169	70	–	0	b c	10139	*	69	−1	E	2	*	c	1	–	79	66				
	Palma																					
MEDITERRANEAN.	Algiers	1014·7	79	–	0	b c	1015·0	+2	82	+9	–	0	–	b c	2	–	86	73				
	Malta	*	*	*	*	*	1019·2	+2	73	−2	–	0	–	b	1	–	81	70				
	Salonica	1018·5	73	SSE	1	b	1019·3	+2	68	−2	–	0	–	b	*	–	84	63				
	Athens																					
	Candia																					
	Limassol	*	*	*	*	*	1013·4	+1	77	−2	–	0	–	b	0	–	90	63				
	Alexandria ...	1014·7	77	N	2	b	1016·0	+1	75	−4	–	0	–	b	0	–	88	68				
	Cairo (Helwan) ...	1013·5	82	NNE	1	b	1016·6	+2	73	−2	–	0	–	b	*	–	93	68				
	Jerusalem ...	?	70	WNW	3	b	?	?	70	0	NW	2	–	bc	*	–	86	61				
	Ramleh	1013·6	79	–	0	b	1016·6	+2	81	−1	–	0	–	b	*	–	91	68				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

BEAUFORT NOTATION.

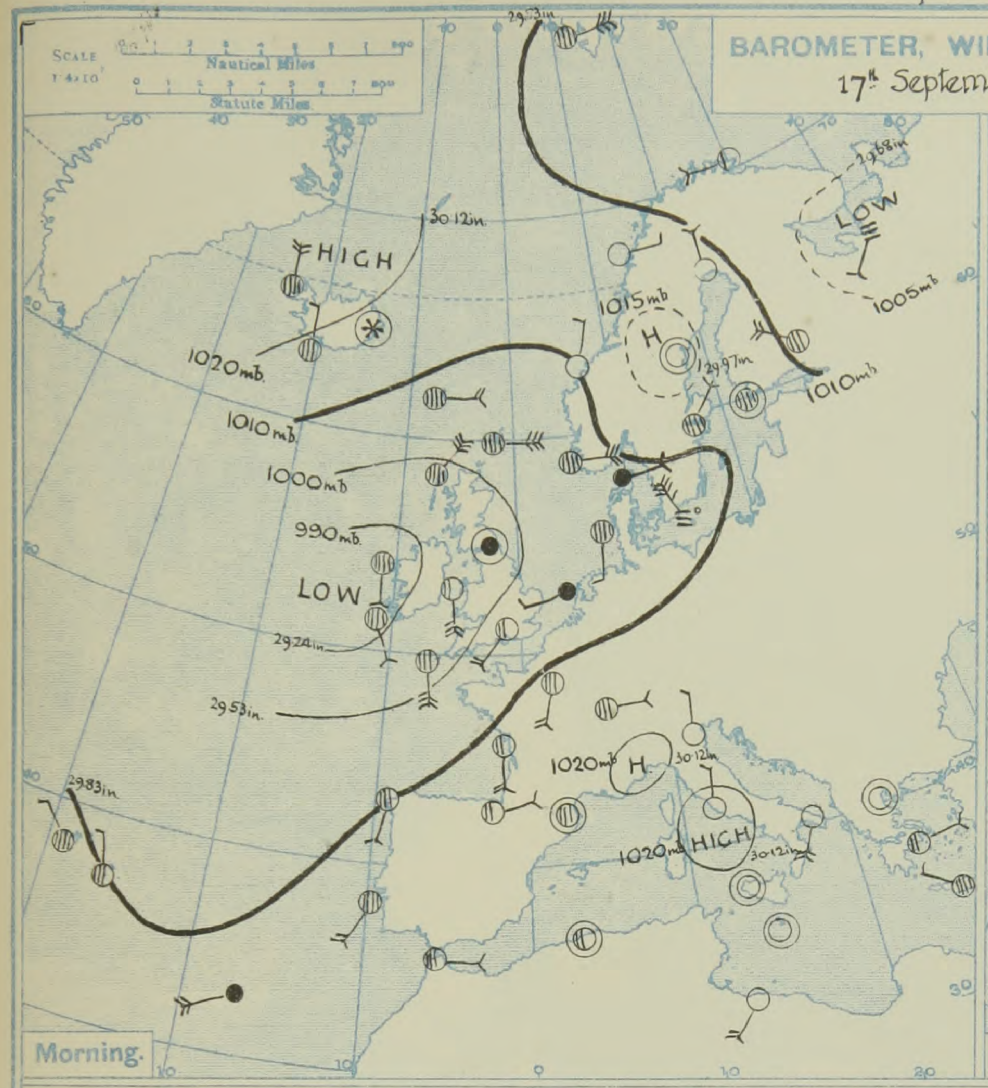
b blue sky (not more than quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three quarters covered).
d drizzle, or fine rain.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*,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

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

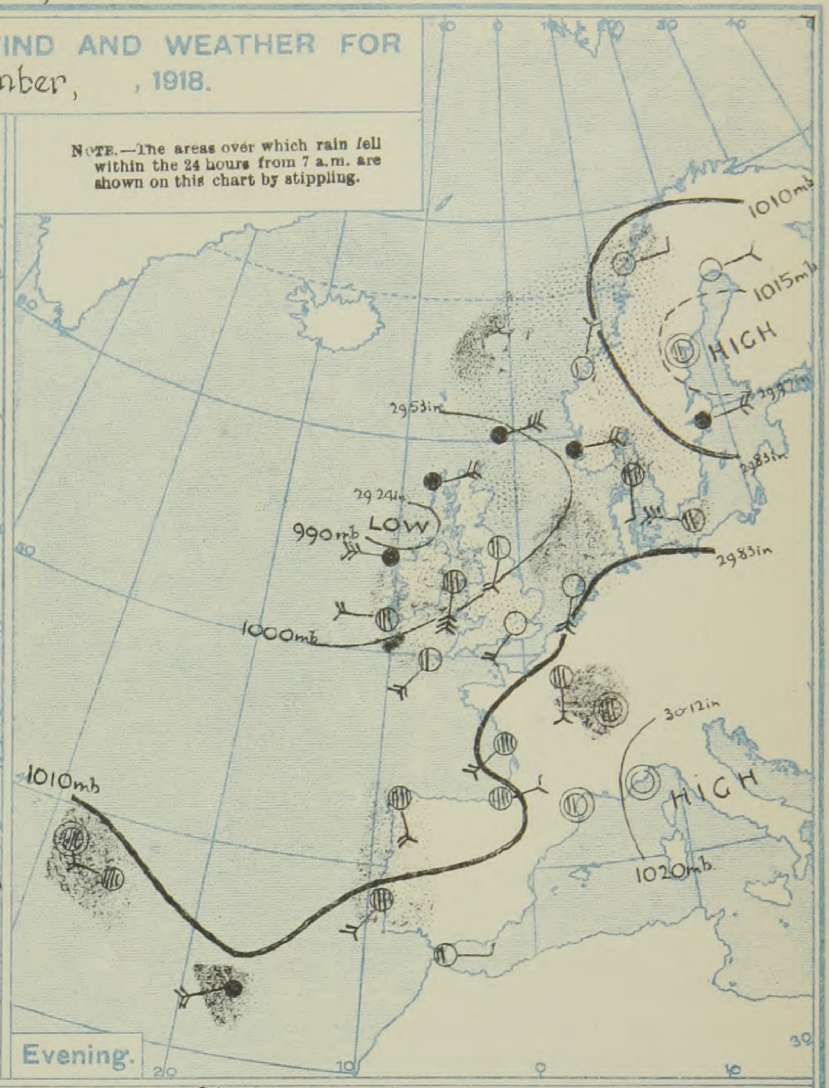
METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,754 Wednesday, 18th September 1918.

BAROMETER, WIND AND WEATHER FOR 17th September, , 1918.



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



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 17TH September

	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.	Archangel ...														*	
	Petrograd ...															
	Moscow														*	
SWEDEN.	Hernösand ...	1012·6	45	–	0	bc	1015·4	*	41	−4	–	0	b	*	*	*
	Stockholm ...	1013·0	48	S	2	r	1013·1	*	48	+3	NE	2	0	*	*	*
	Wisby	1013·0	48	E	2	r	1009·8	*	54	+9	N	2	0	*	*	*
ITALY.	Venice	1018·9	70	WSW	1	b	1019·1	*	61	−5	NNW	1	b	–	77	59
	Turin	1019·7	66	–	0	b	1020·3	*	63	0	–	0	b	–	75	59
	Pesaro	1019·7	66	–	0	b	1020·3	*	63	+2	–	0	b	–	?	?
	Leghorn ...	1019·0	70	–	0	b	1019·0	*	66	0	–	0	b	–	77	64
	Rome	1019·9	?	NW	2	b	1020·2	*	64	+1	–	0	b	–	84	59
	Viesti	1018·9	77	NW	2	b	1019·0	*	70	−2	WNW	1	b	–	75	63
	Brindisi	1017·1	?	NW	3	0	1017·7	*	70	−2	SW	4	b	–	85	70
	Cagliari							*								
	Palermo	1019·3	73	ENE	2	b	1019·9	*	75	0	–	0	b	–	84	63
	Tripoli	1020·3	73	NNE	2	b	1021·7	*	73	+3	SW	3	b	Trace	82	66

ICELAND.	Morning of 17TH: Barom. Millibars at M.S.L.	Temp.: Dry Bulb.	Temp.: Change in 24 hours.	Wind: Direc.	Wind: Force 0–12.	Weather.
		°F.	°F.			
Isafjord ...	1024·8	37	+5	N	4	0
Reykjavik	1021·2	36	+2	N	6	bc
Vestmanna	1019·5	36	0	N	1	c
Seydisfjord	1019·9	32	−2	–	0	0
Thorshavn	1009·0	42	+4	E	3	0

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

Sept 18th 19TH 1918.

	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·32 5·34	11·47 11·47	6·2 6·0
Greenwich	5·40 5·42	11·54 11·54	6·8 6·6
Wick	5·49 5·51	12·6 12·6	6·24 6·21
Valencia	6·20 6·22	12·35 12·36	6·50 6·48

LONDON

18TH Sept 9h. G.M.T.

	Humidity: 15 h. 17TH	Humidity: 9 h. 18TH	Sunshine for 17TH	24 Hours ended 9 h. 18TH: Temperature: Max.	Temperature: Min.	Temperature: Min. on Grass.	Rainfall.	Weather: Morning.	Weather: Afternoon.	Weather: Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	60	72	9·1	72	56	47	–	c	c	bw
CITY (Bunhill Row)	*	*	5·7	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	64	77	7·0	71	59	51	0·4	*	*	*
„ (Roof near Charing Cross)	65	77	7·6	70	59	*	0·1	cg.bcq	bc.bq	bc.c
CAMDEN SQ. (British Rainfall)	65	73	6·7	72	57	50	0·3	b	b.bc	*
KENSINGTON PALACE	70	77	7·7	73	55	49	0·4	c	c.cg	*

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 17TH

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

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.

18th SEPT., at 1h. G.M.T. | THE MORNING OF Wednesday, 18th SEPTEMBER 1918, at 7h. G.M.T.

LOW
HIGH
HIGH
LOW
HIGH
Barometer rising generally

EXPLANATION.

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

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

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

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

SEA DISTURBANCE.—Rough. High.

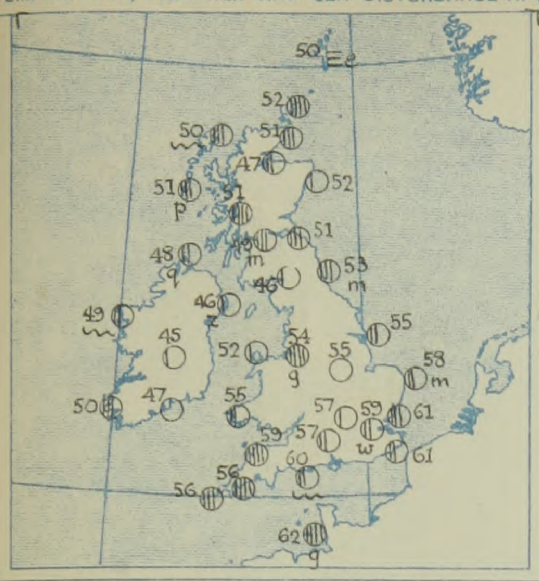
SCALE 1 : 2 : 10 : 20
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

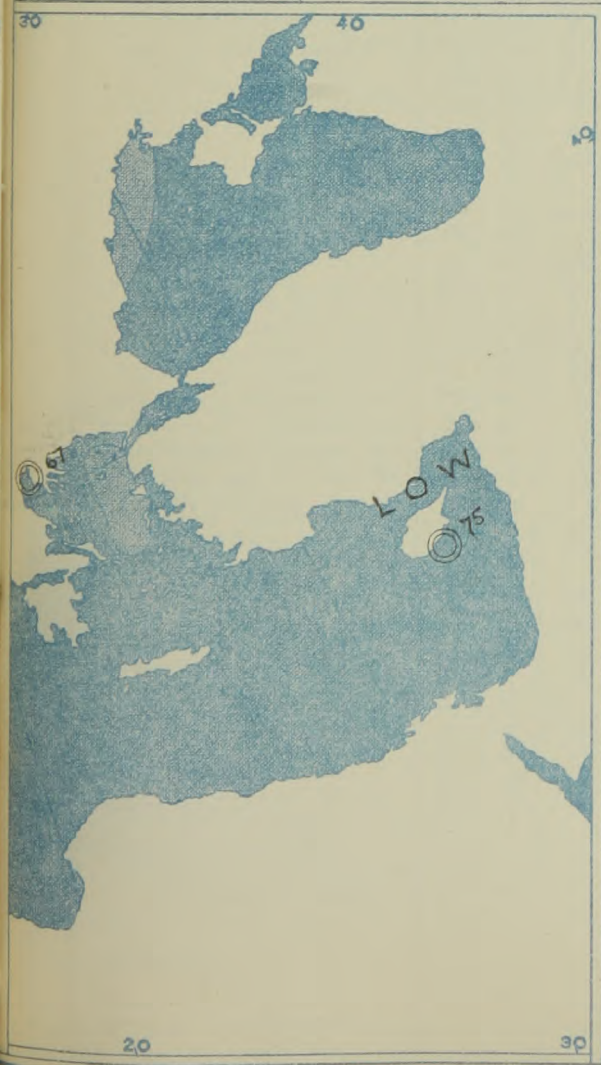
Below 50° | 50°–60° | 60°–70° | Above 70°

Scale of Tints for SEPTEMBER.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.



STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

During the past 24 hours rain fell at nearly all places, but the amounts were small everywhere except in the west of Scotland (Glasgow 21 mm.). Very little bright sunshine was recorded in Scotland and Ireland, but moderate amounts over England, reaching 9.4 hours at Yarmouth, 9.0 hours at Clacton, and 8.6 hours at Scilly. The South-Westerly current became stronger, and extended over most of these Islands, and temperatures rose generally, maxima reaching or exceeding 70° at Yarmouth, Nottingham and Jersey; the night was warm, the lowest minimum temperature being 44° at Birr Castle.

The Conditions at 7h. Today

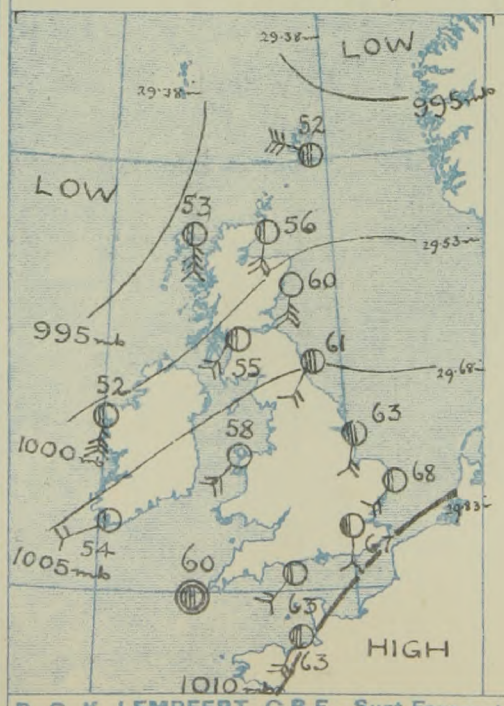
The depression that was off the west of Ireland yesterday has moved north-eastwards and is now centred near Stornoway, but pressure is still low between Ireland and the Azores, and there are indications that another centre is approaching our south-western coasts. The depression over Finland has changed little since yesterday. Pressure is high over Iceland, and there is a Northerly gale at Vestmanna. There is also a large anticyclone in the Atlantic westward of the Azores, and pressure is high over the Mediterranean, the maximum readings occurring in Italy, and there is a general south-westerly current on its border, extending over almost the whole of these Islands, with fair or cloudy weather and occasional showers.

The Outlook

The barometer is rising generally over these Islands and the depression over the Hebrides will pass away to the north-east, but conditions remain favourable for the approach of further depressions from the south-west, and the backing of the winds at Blacksod and Valencia makes it probable that another will shortly influence the weather over these Islands, so that conditions must be regarded as continuing unsettled.

H.W.

WEDNESDAY, 18TH SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



The depression has moved north of Lerwick, but the barometer has ceased to rise in the west of Scotland and strong winds from SSW. have set in in that region.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn.

H. G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 261

Wednesday 18th Sept

	STATIONS	EVENING OF 17TH					MORNING OF 18TH									24 HOURS ENDED 7 h 18TH						Sunshine for 17TH
		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 ...	998·5	50	ENE	5	fr	995·3	-1	50	+4	E	4	-	fe	-	8	50	45	omd	f d	fe	*
	Deerness (Orkney)	994·9	51	E	4	mr	994·6	*	52	+5	SW	3	-	o	3	3	52	47	od.or	rf.mr	mro	0·0
	Stornoway ...	991·3	52	ENE	4	or	992·8	+3	50	+2	S	6	-	c	5	7	55	48	opq	or	o.cpq	0·1
	Castlebay (Barra Isd.)	990·6	56	E	4	o	994·2	+3	51	-2	SW	5	SW	cp	6	3	56	50	op.	opo	o.cp	0·0
	Glasgow ...	993·1	56	S	3	om	1001·4	+5	49	-1	SSW	4	-	cm	*	21	58	48	mdomp	omp.cp	opc.bq	0·1
	Eskdalemuir ...	994·5	55	SSW	6	oq	1002·6	+5	46	-3	SW	4	-	b	*	10	61	46	om.opt	op.opq	oq.cbc	0·8
	Malin Head ...	989·6	55	SW	4	bc	997·6	+3	48	-5	SSW	5	S	bcq	4	5	60	47	op	cp	bcqp	2·2
	Blacksod Point	993·4	51	WNW	5	cp	999·8	+2	49	-1	SW	6	SW	bc	5	2	57	47	cmp	cmp	bcp.bc	*
	Valencia (Cahirciveen)	997·8	55	W	3	c	1005·3	+3	50	-7	SSW	3	SW	c	2	0·3	63	48	o.c	c.op	c.bc	3·7
	Roche's Point	997·4	58	SW	4	bc	1005·7	*	47	-11	WNW	1	-	b	3	0·3	61	46	om.c	c.bc	bw	*
	Birr Castle ...	994·9	57	W	1	o	1004·4	*	45	-11	S	1	S	b	*	6	64	44	cp	cp	c.b	4·0
	Donaghadee ...	992·0	58	SSW	4	cfq,p	1002·1	+5	46	-9	SW	4	-	bz	2	3	62	45	of.mp	f.mq	fmb.fp	*
	Liverpool (Bidston)	998·8	60	SW	5	bc	1004·8	+3	54	-3	SW	1	SW	og	1	1	66	53	o.cp	p.bc	c.o	4·6
	Holyhead ...	996·5	59	SSW	7	cgq	1004·4	+3	52	-7	WSW	3	SW	b	2	3	63	50	op.cp.c	cpp	cp.p.bc	5·1
	Pembroke (St. Ann's)	1000·7	59	SSW	5	bc	1006·7	+2	55	-5	W	1	W	bc	4	1	61	55	cgp	bc.bcq	bcq.bc	6·5
	Hartland Quay	1002·8	61	SSW	7	b	1006·4	+3	59	-3	SSW	4	SW	o	3	Trace	64	59	cq.bc.b	bc.obc	bc.cbq	*
	Scilly (St. Mary's)	1002·8	60	SW	4	bc	1006·6	+1	56	-3	WSW	1	SW	c	4	0·4	63	55	bcpq	bc	c	8·6
	Falmouth ...	1003·9	60	SSW	5	bcqm	1006·7	+1	56	-4	SW	3	-	o	*	5	64	56	rq.cq	cq.bcq	bc.obc	4·6
	Jersey (St. Aubin)	1008·6	66	SW	4	og	1009·2	*	62	-1	S	3	-	og	3	Trace	71	61	b	bq	b.obog	6·8
	Portland Bill ...	1005·1	62	SW	6	bc	1007·2	+1	60	-2	SW	3	SW	bc	5	1	64	59	bcq	bcqp	bc	*
	Dungeness ...	1008·2	64	SW	3	bc	1008·7	+1	61	-1	SW	3	SW	bc	3	-	68	60	bc	bc	c.bc	*
	Wick	995·0	52	E	3	omr	995·1	+3	51	+2	SSW	3	-	c	4	8	53	49	omr	omr	omr.c	*
	Nairn	991·3	53	E	1	oum	996·3	*	47	+1	-	0	-	bc	0	7	53	45	cdg	prgo	pr.oc	0·0
	Aberdeen ...	994·4	53	ESE	1	rmt	997·5	+3	52	+1	SSW	4	SW	b	3	9	55	51	ordm	frmt	mtp.bc	0·0
	Leith	992·7	59	SW	1	c	1000·6	+3	51	0	SW	2	SW	c	2	6	63	50	rm.otc	c.od.o.c	cg.cu.c	*
	Tynemouth ...	995·8	63	SSW	3	bc	1002·5	+4	63	-2	S	2	-	cm	3	·2	67	53	cqp	bcp	bcmg.fm	*
	Spurn Head ...	1001·8	63	SSW	4	cqv	1004·6	+1	55	-3	SSW	3	-	bc	4	2	67	54	cq	cp.qv	bc.d.bc	4·6
	Yarmouth (Gorleston)	1005·9	65	SW	5	bc	1008·4	+2	58	-2	SW	2	-	bcm	2	-	71	51	bcm	bcq	bcm	9·4
	Clacton-on-Sea	1007·6	64	SW	4	c	1008·3	+2	61	0	SW	2	SW	c	2	-	68	60	bc	bc.c	c.bc.c	9·0
	Nottingham ...	1001·5	62	SW	2	or	1006·0	*	55	-6	SSW	2	-	b	*	9	70	53	c.o	c.or	c.op	4·8
	Benson (Oxon.) ...	1005·2	63	S	3	bc	1006·5	+2	57	-3	SW	3	SW	b	*	0·1	69	56	bc	bc	bc.bcm	*
	Sth Farnborough	1006·6	62	SSW	5	c	1007·7	+1	60	-1	SSW	4	W	cm	*	2	69	57	op.c	c.opq.c	c.b.o.cm	6·3
	Salisbury Plain	1005·6	61	SSW	4	o	1007·6	+1	57	-3	S	3	S	bc	*	2	66	54	od.f.rq	op.rq	bc	4·0
	London (Kew Obsy.)	1006·7	65	SW	4	b	1008·3	+2	59	-2	SSW	1	SW	bcw	*	Trace	69	56	bc.c	cp.bc.b	b.bmw	7·7
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö	1008·0	43	-	0	r	1007·8	0	45	-3	W	2	-	c	3	*	48	39				
	Bodö	1013·4	45	E	1	b	1008·7	-1	45	+6	E	4	-	b	2	-	48	32				
	Christiansund ...	1004·0	48	NNE	2	b	999·8	-3	50	+11	E	2	-	c	2	8	50	39				
	Skudesnaes ...	1000·2	52	E	4	r	1001·6	+3	55	+5	ENE	5	-	o	5	15	55	50				
	Færder (X'iania Fjord)	?	50	E	4	r	1006·7	+1	52	+6	E	1	-	o	2	17	50	46				
	The Scaw (Skagen)	1002·7	57	S	1	o	1007·2	+3	57	+5	SSW	2	-	c	2	9	59	52				
	Blaavands Huk	1001·4	59	WSW	3	c	1004·9	0	59	+2	WSW	2	-	o	*	1	61	55				
	Copenhagen ...	1008·4	63	SW	2	bc	1012·6	+1	59	0	SW	2	-	m	*	Trace	66	57				
	Bornholm ...																					
FRANCE, &c.	The Helder ...	1008·7	63	SSW	4	b	1008·7	-1	57	-4	S	1	-	o	1	Trace	66	57				
	C. Gris Nez ...	1009·6	64	SW	3	r	1010·2	+3	61	-2	SSW	2	*	bc	2	-	70	59				
	La Hève	1010·6	68	SW	5	c	1010·6	*	61	0	SW	4	*	o		Trace	72	57				
	Brest (St. Mathieu)	1007·8	61	S	5	o	1009·1	+1	61	0	SSW	4	*	c		-	63	59				
	Rochefort (Ile d'Aix)	1010·2	70	SW	3	o							*		*							
	Biarritz	1008·3	73	ENE	2	o	1011·6	+1	66	-4	ESE	2	*	o		2	81	66				
	Paris	1012·6	68	S	2	c	1012·4	+4	63	-0	SSW	2		o	*	11	77	61				
	Belfort	1016·2	66	-	0	c	1016·8	*	64	+3	WSW	4	*	c	*	-	75	59				
	Lyons	1014·7	72	SSE	3	b	1015·4	*	72	?	WSW	3	*	o	*	-	81	68				
	Nice	1021·6	64	-	0	b	1021·6	+2	66	+2	-	0	*	c		-	72	59				
	Perpignan ...	1014·7	72	-	0	bc	1014·0	-1	70	+4	NE	2	-	c	*	-	81	66				
	Sanguinaire ...	1019·5	75	NW	3	b	1019·5	*	73	+1	NW	2	*	o		-	88	64				
IBERIA, &c.	Corunna	1009·5	63	SSE	3	o	1009·5	+1	66	+2	-	0	-	c	2	9	72	61				
	Madrid														*							
	Lisbon	1011·9	68	SW	3	o	1012·2	+1	68	0	WSW	5	-	r	6	80	70	66				
	Azores (Horta) ...	1009·2	*	-	0	o	1015·8	+3	63	+2	NNE	6	*	bc	4	10	63	61				
	,, (P. Delgada)	1009·0	*	W	2	o	1012·8	+3	63	+2	NE	2	*	bc	3	5	68	61				
	Madeira	1011·9	73	WSW	4	r	1014·8	+2	68	-4	SW	4	-	bc	4	1	75	68				
	Gibraltar	1015·9	72	E	1	bc	1015·9	*	69	0	E	2	*	c	1	-	80	66				
	Palma																					
MEDITERRANEAN.	Algiers	1015·4	83	-	0	c	1015·6	+2	74	+12	WSW	3	-	bc	0	-	94	78				
	Malta	*	*	*	*	*	1021·6	+2	73	0	-	0	-	b	0	-	81	71				
	Salonica	1018·4	72	SSE	2	b	1019·7	+1	67	-1	-	0	-	b	*	-	84	63				
	Athens																					
	Candia																					
	Limassol	*	*	*	*	*	1015·5	0	75	-2	-	0	-	b	0	-	86	64				
	Alexandria ...														*							
	Cairo (Helwan) ...														*							
	Jerusalem ...																					
	Ramleh																					

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

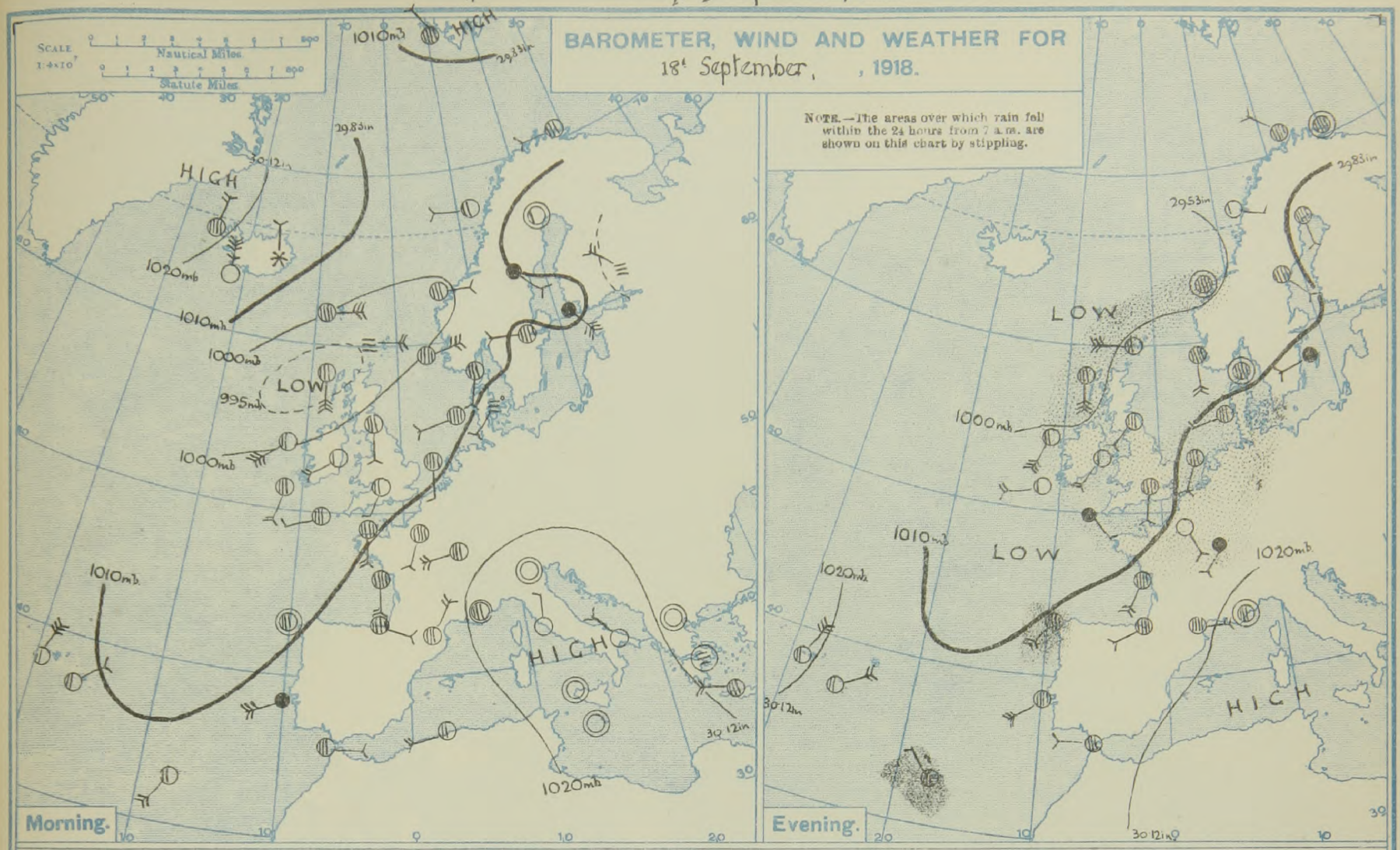
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20,755 Thursday, 19th September, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 18TH September

	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.	Archangel ...														*	
	Petrograd ...															
	Moscow														*	
SWEDEN.	Hernösand ...	1015·8	41	–	0	bc	1011·9	*	43	+2	SE	2	r	*	*	*
	Stockholm ...	1012·3	46	E	4	r	1014·8	*	54	+6	W	2	o	*	*	*
	Wisby	1009·1	39	ESE	2	r	1010·4	*	57	+3	WSW	4	b	*	*	*
ITALY.	Venice	1019·8	72	–	0	b	1020·5	*	64	+3	–	0	b	–	77	62
	Turin	1019·9	66	–	0	b	1021·0	*	64	+1	–	0	o	–	77	61
	Pesaro	1020·6	70	–	0	b	1021·4	*	64	+1	–	0	b	–	77	59
	Leghorn ...	1020·3	70	–	0	b	1021·0	*	68	+2	E	5	b	–	?	?
	Rome	1020·6	70	W	1	b	1020·1	*	63	−1	N	1	b	–	88	59
	Viesti	1018·5	73	NW	1	b	1009·7	*	73	+3	–	0	b	–	77	64
	Brindisi	1019·4	72	–	0	b	1020·6	*	63	−7	NW	2	b	–	75	66
	Cagliari							*								
	Palermo	1019·9	73	–	0	b	1021·9	*	68	−7	–	0	b	–	82	55
	Tripoli							*								

ICELAND.	Morning of 18TH: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F.	°F.			
Isafjord ...	1023·2	37	0	NNE	3	o
Reykjavik	1017·5	36	0	N	6	b
Vestmanna	1014·4	37	+1	N	8	b
Seydisfjord	1017·2	32	0	N	2	s
Thorshavn	1000·2	46	+4	E	5	0

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

Sept 19TH & 20TH 1918.

	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5·34	11·47	6·0
	5·36	11·46	5·57
Greenwich	5·44	11·54	6·6
	5·42	11·53	6·3
Wick	5·81	12·6	6·21
	5·53	12·5	6·18
Valencia	6·22	12·35	6·48
	6·24	12·34	6·45

LONDON

19TH Sept. 9h. G.M.T.

	Humidity. 15 h. 18TH	Humidity. 9 h. 19TH	Sunshine for 18TH	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)	72	72	4·3	71	51	50	14	c.o	o od	tLT.T.o
CITY (Bunhill Row)	*	*	–	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	69	75	4·0	69	52	52	19	*	*	*
" (Roof near Charing Cross) ..	72	78	3·8	69	53	*	19	c.bc	bc.c	ogral
CAMDEN SQ. (British Rainfall)	65	72	3·5	70	52	50	27	bc	bc	*
KENSINGTON PALACE	74	77	3·3	69	52	48	34	bc	o.or	*

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

SOUTH KENSINGTON (M.O.)

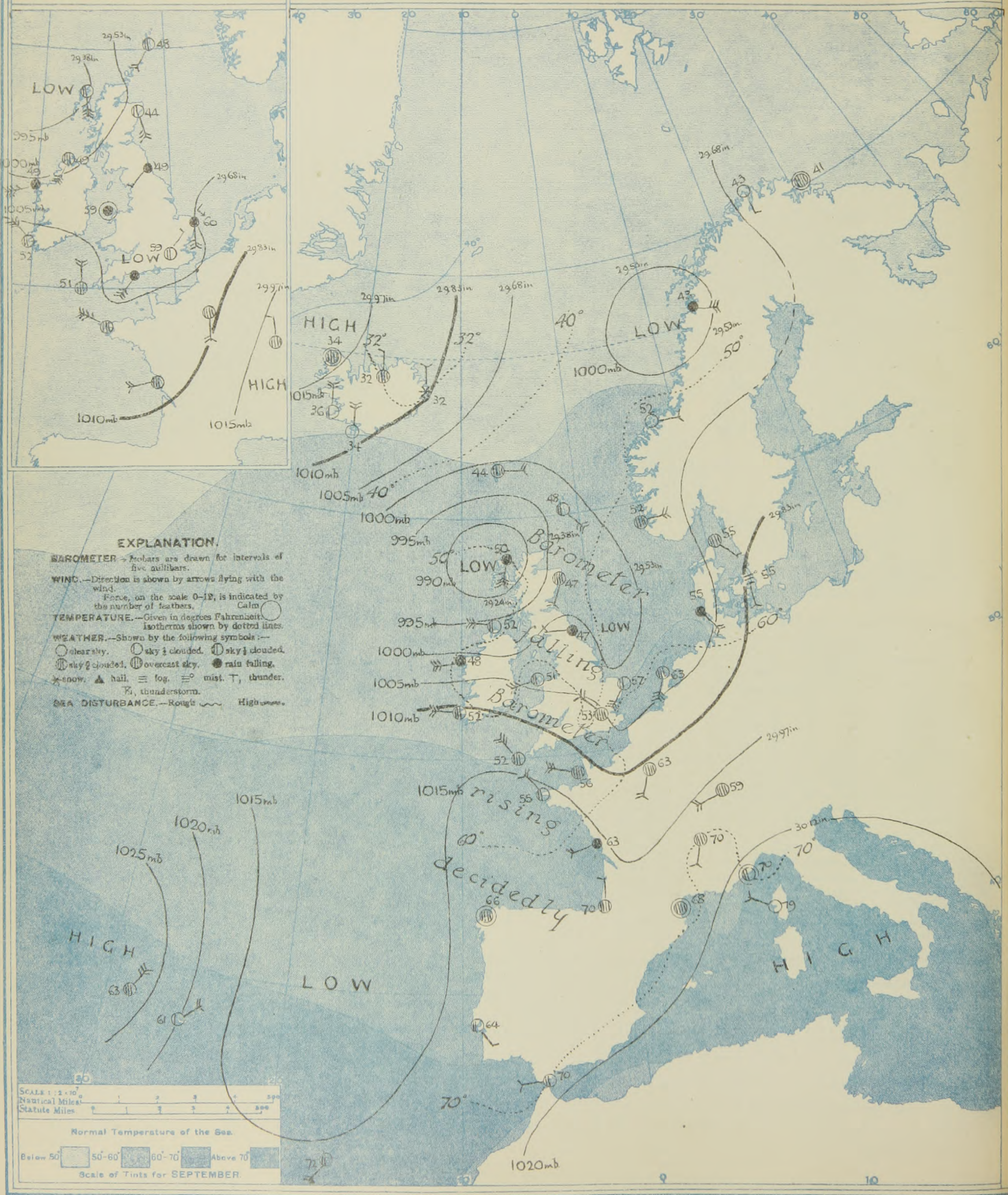
Vertical Component of Solar Radiation per square Centimetre during 18TH.

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

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.

19th SEPT., at 1h. G.M.T. — THE MORNING OF Thursday, 19th SEPTEMBER 1918, at 7h. G.M.T.



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 ○

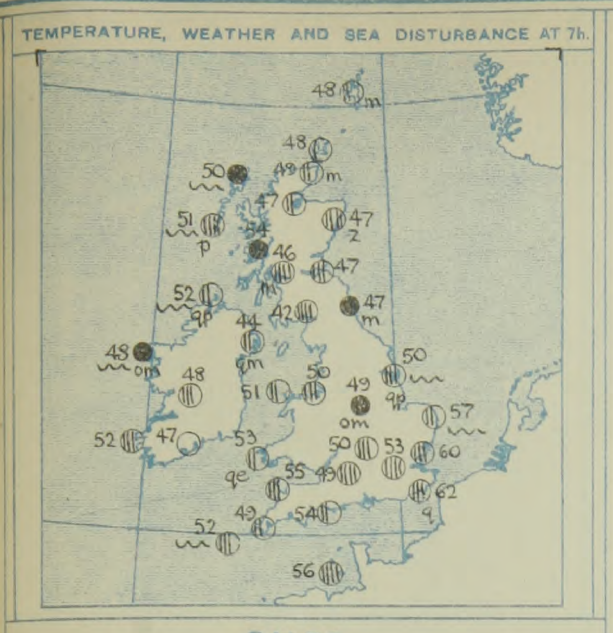
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

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 SEPTEMBER.



GALES.

STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

Rain was general yesterday except in the north-east of Scotland and locally in Ireland, but the amounts were large only at a few places in south and south-east England, often in connexion with thunderstorm activity during the night. At Kew 37 mm. fell. The weather was generally fair in the west and north, about ten hours of bright sunshine being recorded at several widely distributed stations between Valencia and Nairn. The temperature was lower than formerly, the maximum nowhere reaching 70°, while in Scotland it was below 60°; night minima, however, remained high.

The Conditions at 7h. Today

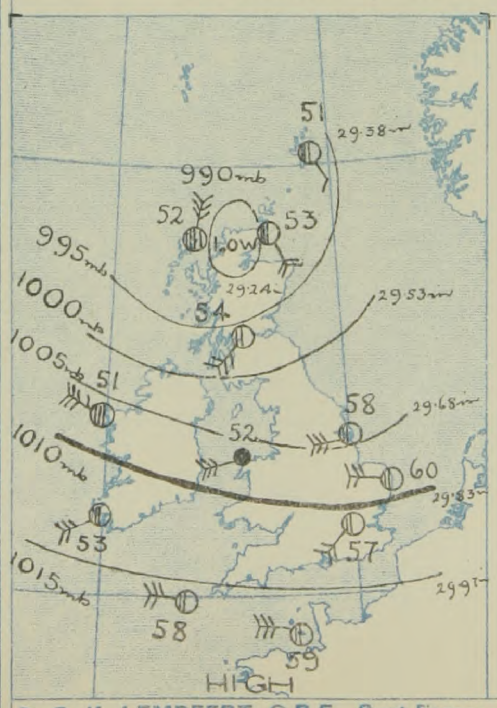
There is a deep depression centred west of Stornoway, with a V-shaped secondary over the western half of the North Sea and western France; there is also a shallow depression off the Norwegian coast at Bodö. The anticyclone west of the Azores has extended and encroached on the area of low pressure north of Funchal; pressure remains high also over the Central Mediterranean, but is less high over Iceland.

The Outlook

The barometer is falling over Scotland and the North Sea, and both the primary depression and its secondary are moving eastward, the latter somewhat rapidly. Pressure is rising at the Azores, and falling over Iceland, and it is probable that a Westerly type of weather will become established over the United Kingdom, with fresh or strong winds and fair or cloudy weather.

A.H.

THURSDAY, 19TH SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



The depression west of Stornoway this morning is now centred over Northern Scotland, and over most of the United Kingdom fresh or strong W. winds prevail.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H. G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 262 Thursday 19TH Sept.

	STATIONS.	EVENING OF 18TH					MORNING OF 19TH									24 HOURS ENDED 7 h 19TH						Sunshine for 18TH
		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 ...	1001·4	50	W	5	bcm	994·4	−3	48	−2	SE	5	-	bcm	3	1	52	46	c	c	bcm	*
	Deerness (Orkney)	1000·7	52	SW	3	bc	995·6	*	48	−4	SSE	4	SW	bu	4	1	56	46	o.c.bcb	bp.bc	bc.b	4·5
	Stornoway ...	997·0	53	S	6	cq	988·4	−5	50	0	S	7	-	r	6	9	56	48	c.bcq	bc.cq	bc.opq	9·1
	Castlebay (Barra Isd.)	996·5	53	SW	7	cp	988·5	0	51	0	W	5	-	op	6	0·3	54	50	cp.o.bc	b.o.bcp	c.op	8·0
	Glasgow ...	1004·1	50	SW	3	cm	998·0	−4	46	−3	SW	4	-	om	*	2	56	43	c.op.bc	bc.opc	op.bc.c	7·8
	Eskdalemuir ...	1005·7	48	S	2	bv	1000·2	−2	42	−4	S	2	SW	o	*	0·2	55	37	dc.bcy	bcvy	bv.opc	9·7
	Malin Head ...	998·7	52	SSW	-	bcq	995·2	0	52	+4	W	6	SW	bcqp	6	1	56	45	bcq	bcq	bcq	10·1
	Blacksod Point	1002·1	48	SSW	6	bcqp	1001·4	+1	48	−1	WSW	6	-	omr	6	5	53	45	bcp	bcqp	bcpor	*
	Valencia (Cahirciveen)	10074	54	W	3	b	1010·4	+2	52	−2	W	5	N	c	4	-	56	50	cp.by	by	bc.c	9·9
	Roche's Point	10069	54	W	2	0	10099	*	47	0	W	2	-	b	3	0·2	60	46	b.bc.c	c.op.o	o.b	*
	Birr Castle ...	10056	55	SW	1	c	1005·6	*	48	+3	SW	2	W	c	*	0·2	58	42	bc.c	cp	c	9·2
	Donaghadee ...	1003·7	54	SW	4	bcqs	999·5	−2	44	−2	SW	4	SW	bcmq	3	-	60	43	bcmq	bcq	bcmq	*
	Liverpool (Bidston)	10064	56	WNW	1	bc	1003·9	+1	50	−4	WSW	5	W	c	3	6	60	48	c.bc	bc	or.c	6·5
	Holyhead ...	1006·4	55	SW	3	bv	1004·5	+1	51	−1	WSW	5	SW	bc	4	1	60	50	b.bcb	bv	b.op.bc	10·2
	Pembroke (St. Ann's)	1007·0	55	N	1	c	1008·9	+3	53	−2	W	4	W	bcqc	4	2	61	50	bc	bc.c	ovr.bc	7·9
	Hartland Quay	1005·9	57	SE	2	ormq	1010·6	+6	55	−4	WNW	4	-	c	4	16	61	52	o.c	cp.c.or	r.rq0.o	*
	Scilly (St. Mary's)	1005·6	57	SE	1	or	1014·3	+4	52	−4	NW	5	W	c	5	17	63	49	c.o	or	cpqr	1·7
	Falmouth ...	1005·5	56	SSE	1	orm	1012·2	+6	49	−7	W	3	-	bc	*	9	65	47	c.a	c.oq.or	or.oq	3·0
	Jersey (St. Aubin)	1008·1	62	S	3	or	1012·1	*	56	−6	WNW	5	-	o	4	9	68	55	oq.cpo	op.c.or	or.op.o	0·4
	Portland Bill ...	1006·8	61	SE	2	c	1009·8	+10	54	−6	NW	4	W	bc	4	14	64	53	bc	bc.c	cr.bc	*
	Dungeness ...	1008·5	61	S	3	c	10045	0	62	+1	SW	5	SW	c	4	10	66	58	bc	cp.c	c.b.r.c	*
	Wick	1001·1	51	SSW	3	bc	995·3	−5	49	−2	S	4	-	bcm	4	-	58	47	c.bc	bc	bcm	*
	Nairn	1000·9	48	W	1	bcr	993·9	*	47	0	SW	1	-	bc	1	-	60	44	bcq	c.bcr	bcr	9·5
	Aberdeen ...	1003·9	52	SW	1	b	998·0	−3	47	−5	SSW	3	-	oz	3	-	60	45	bqy	by.b	b.oz	9·6
	Leith	1003·6	54	SW	2	b	998·0	−2	47	−4	SW	2	-	c	1	-	61	46	c.bc.b	b	b.bcr	*
	Tynemouth ...	1005·2	58	SW	2	cm	1001·0	0	44	−6	W	1	-	mr	2	5	62	46	cm	cm	omr	*
	Spurn Head ...	1007·0	58	SSW	2	c	1002·8	−1	50	−5	NW	6	-	cqp	6	9	66	49	cv	cv	ocqp	4·6
	Yarmouth (Gorleston)	1009·0	63	SSW	4	bc	1002·7	0	57	−1	SW	5	-	bc	5	5	69	57	bcm	bcmp	op2.bc	5·6
	Clacton-on-Sea	1009·0	63	SSE	3	bc	1003·3	0	60	−1	SSW	5	SW	cg	4	9	66	58	c.bc.c	c.bc	c.ogr	5·2
	Nottingham ...	1006·7	59	S	1	b	1004·3	*	49	−6	WNW	3	W	orm	*	4	66	49	bc.c	op.c	bc.c.o	5·6
	Benson (Oxon.) ...	1006·0	61	S	2	bc	1006·1	+1	50	−7	NW	3	-	c	*	6	67	50	bc.c	bc	or.o	*
	Sth Farnborough	1007·9	62	S	3	o	1006·8	+8	51	−9	WNW	4	-	o	*	13	67	51	c.op	op	or.o	2·5
	Salisbury Plain	1006·9	60	S	1	o	1008·6	+10	49	−8	W	3	N	o	*	9	64	47	oc.r.o.c	c.bc.o	o2c.bc	4·9
	London (Kew Obsy.)	1007·6	64	S	2	o	1006·2	+7	53	−6	NW	3	-	o	*	37	68	52	bcp.o.c	c.cp.c.o	oor.o	3·2
NORTHERN EUROPE.	Spitsbergen ...	1015·4	28	N	8	o	1013·8	−1	28	?	NW	2	*	o	*	*	30	28				
	Vardö	1008·8	41	-	0	o	10082	0	41	−4	-	0	-	o	1	*	43	41				
	Bodö	1006·6	45	ESE	1	b	999·9	−1	43	−2	ESE	5	-	r	2	?	50	41				
	Christiansund ...	999·4	54	-	0	o	1002·3	0	52	+2	E	2	-	b	2	1	55	39				
	Skudesnaes ...	10067	54	S	4	o	1001·5	−4	52	−3	E	4	-	o	3	-	54	50				
	Færder (X'tania Fjord)	1008·0	55	SW	3	s	1006·6	+2	54	+2	SW	1	-	o	1	-	55	52				
	The Scaw (Skagen)	10084	57	-	0	o	1006·6	−3	55	−2	SE	1	-	o	1	1	61	54				
	Blaavands Huk	1010·7	59	WSW	1	c	1003·0	−6	55	−4	SSE	4	-	r	*	5	63	54				
	Copenhagen ...	1012·0	57	-	0	m	1010·2	−3	55	−4	S	2	-	m	*	13	63	54				
	Bornholm ...																					
FRANCE, &c.	The Helder ...	1011·1	63	SSW	2	c	1002·3	−3	63	+6	SSW	6	-	c	3	6	66	59				
	C. Gris Nez ...	1009·8	61	SE	1	r	1005·6	+2	61	0	SW	6	*	o	5	10	68	59				
	La Hève	1009·9	64	S	4	o	1010·9	*	59	−2	WSW	6	*	o		5	70	57				
	Brest (St. Mathieu)	1006·2	61	S	4	o	1015·1	+5	55	−6	NW	3	*	bc		-	66	54				
	Rochefort (Ile d'Aix)	1010·6	70	SSW	4	o	1015·2	+3	63	?	WSW	3	*	r	*	1	84	63				
	Biarritz	1011·4	82	SSW	3	o	1015·3	+3	70	+4	N	1	*	o		-	82	66				
	Paris	1011·9	66	SSE	2	o	1013·2	+3	63	0	SSW	3	-	o	*	2	72	61				
	Belfort	1016·7	66	SW	2	r	1017·7	*	59	−5	WSW	4	*	o	*	8	?	?				
	Lyons	1015·1	73	SSW	3	o	1016·7	*	70	−2	SSW	2	*	o	*	-	82	70				
	Nice	1020·2	68	-	0	c	1020·4	+1	70	−4	-	0	*	bc		-	81	59				
	Perpignan ...	1014·4	73	E	3	o	1016·6	+1	68	−2	-	0	-	o	*	-	90	66				
	Sanguinaire ...	1020·4	77	SE	3	m	1020·7	*	79	−6	NW	2	*	b		-	90	63				
IBERIA, &c.	Corunna	1011·1	70	SW	4	o	?	+5	66	0	-	0	-	o	1	7	73	59				
	Madrid														*							
	Lisbon	1014·2	70	SW	5	o	1018·3	0	64	−4	SE	1	-	bc	5	-	72	63				
	Azores (Horta) ...	1020·3	*	NNE	6	bc	1027·5	+3	63	0	NNE	5	*	c	3	-	66	61				
	,, (P. Delgada)	1017·4	*	NE	4	bc	10199	+3	61	−2	NE	3	*	b	3	-	68	67				
	Madeira	10147	79	NW	1	c	1015·1	0	72	−4	SW	4	-	bc	3	2	81	70				
	Gibraltar	1018·9	73	W	2	c	10193	*	70	−1	W	2	*	bc	0	-	82	68				
	Palma																					
MEDITERRANEAN.	Algiers																					
	Malta	*	*	*	*	*																
	Salonica	1019·1	73	SE	3	b	1019·3	+1	66	−1	SSE	1	-	b	*	-	85	64				
	Athens																					
	Candia																					
	Limassol	*	*	*	*	*	1011·9	0	75	0	NW	2	-	c	0	-	88	64				
	Alexandria ...	1017·6	77	N	1	b	10174	+1	77	−2	N	1	-	bc	0	-	88	72				
	Cairo (Helwan) ...	1016·4	81	N	2	b	10172	+1	73	0	N	2	-	b	*	-	93	68				
	Jerusalem ...	?	70	WNW	2	b	?	?	68	+2	WNW	2	-	b	*	-	82	57				
	Ramleh	1016·0	77	-	0	b	1016·0	+1	79	0	SSE	1	-	b	*	-	90	66				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

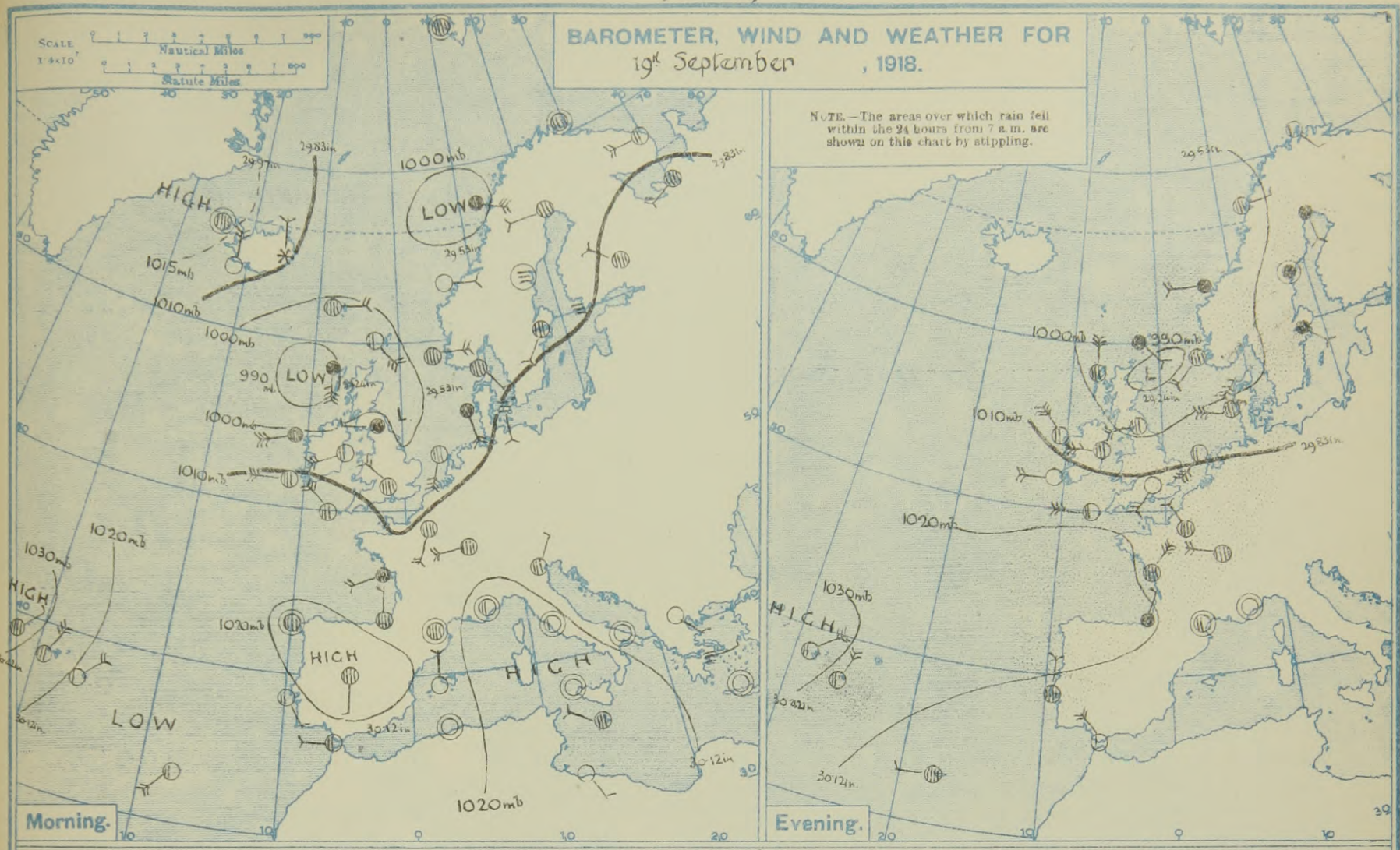
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20756. Friday, 20th September 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 19th September

	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.	Archangel ...														×	
	Petrograd ...															
	Moscow														×	
SWEDEN.	Hernösand ...	1007·6	48	SE	2	o	1004·7	×	48	+5	–	o	ʃ	×	×	×
	Stockholm ...	1009·2	59	–	o	b	1009·2	×	55	+1	SW	2	c	×	×	×
	Wisby	1012·0	59	WSW	2	r	1010·8	×	55	–2	WSW	2	c	×	×	×
ITALY.	Venice						1019·1	×	66	+2	NE	1	c	–	77	63
	Turin	1019·5	66	–	o	bc	1020·3	×	64	o	–	o	c	–	75	63
	Pesaro	1019·7	70	–	o	b	1018·9	×	70	+6	–	o	bc	–	79	64
	Leghorn ...						1020·1	×	70	+2	–	o	b	–	79	67
	Rome	1022·2	72	–	o	b	1022·3	×	64	+1	–	o	b	–	82	61
	Viesti	1020·2	76	N	1	b	?	×	73	o	SE	1	b	–	79	64
	Brindisi						?	×	66	+3	–	o	b	–	77	68
	Cagliari							×								
	Palermo	1021·5	75	–	o	b	1022·2	×	72	+4	–	o	b	–	86	57
	Tripoli						1024·2	×	75	?	SSE	1	b	–	84	63

ICELAND.	Morning of 19th: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F.	°F.			
Isafjord ...	1016·0	34	–3	–	o	o
Reykjavik	1013·9	36	o	N	4	b
Vestmanna	1010·7	34	–3	N	4	b
Seydisfjord	1010·6	32	o	N	2	s
Thorshavn	998·9	44	–2	E	3	o

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

Sept 20th & 21st 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·36 / 6·39	11·46 / 11·44	5·57 / 5·54
Greenwich	5·44 / 5·46	11·53 / 11·53	6·3 / 6·1
Wick	5·53 / 5·55	12·5 / 12·5	6·18 / 6·15
Valencia	6·24 / 6·27	12·34 / 12·34	6·45 / 6·42

LONDON, Sept 20th 9h. G.M.T.	Humidity. 15 h. 19th	Humidity. 9 h. 20th	Sunshine for 19th	24 Hours ended 9 h. 20th: Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	61	66	7·9	63	45	38	1	c	c.cþ	b.bc.bw
CITY (Bunhill Row)	×	×	7·4	×	×	×	×	×	×	×
WESTMINSTER (St. James's Park)	70	64	–	61	46	40	1	×	×	×
„ (Roof near Charing Cross)	70	71	7·5	62	46	×	1	c.bc	bcþ.b	bc.b
CAMDEN SQ. (British Rainfall)	59	69	6·4	63	43	40	1	bc	bc	×
KENSINGTON PALACE	66	68	7·3	61	45	39	1	c	cþq.c	×

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 19th

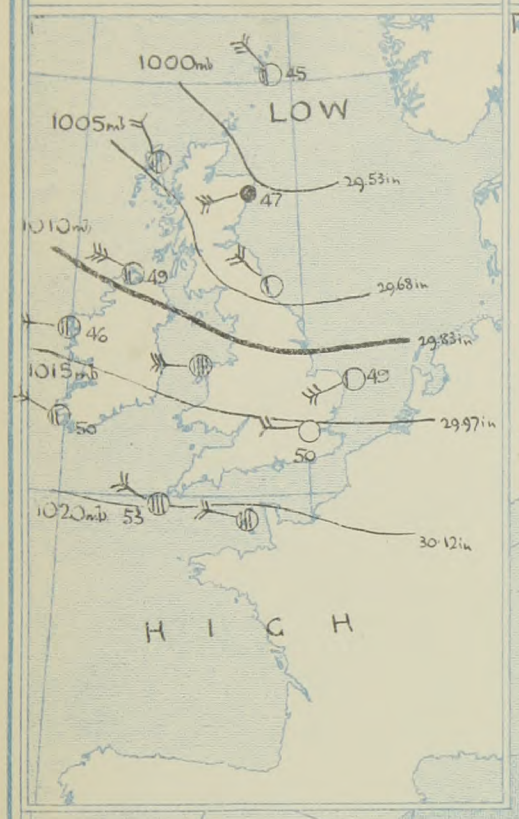
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
–	–	–

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.

20th SEPT., at 1h. G.M.T.

THE MORNING OF Friday, 20th SEPTEMBER 1918, at 7h. G.M.T.



EXPLANATION.

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

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

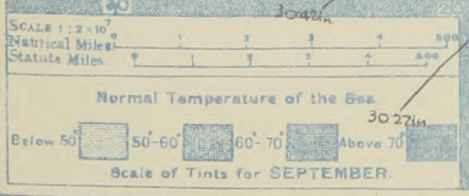
Force, on the scale 0–12, is indicated by the number of feathers. Calm ○

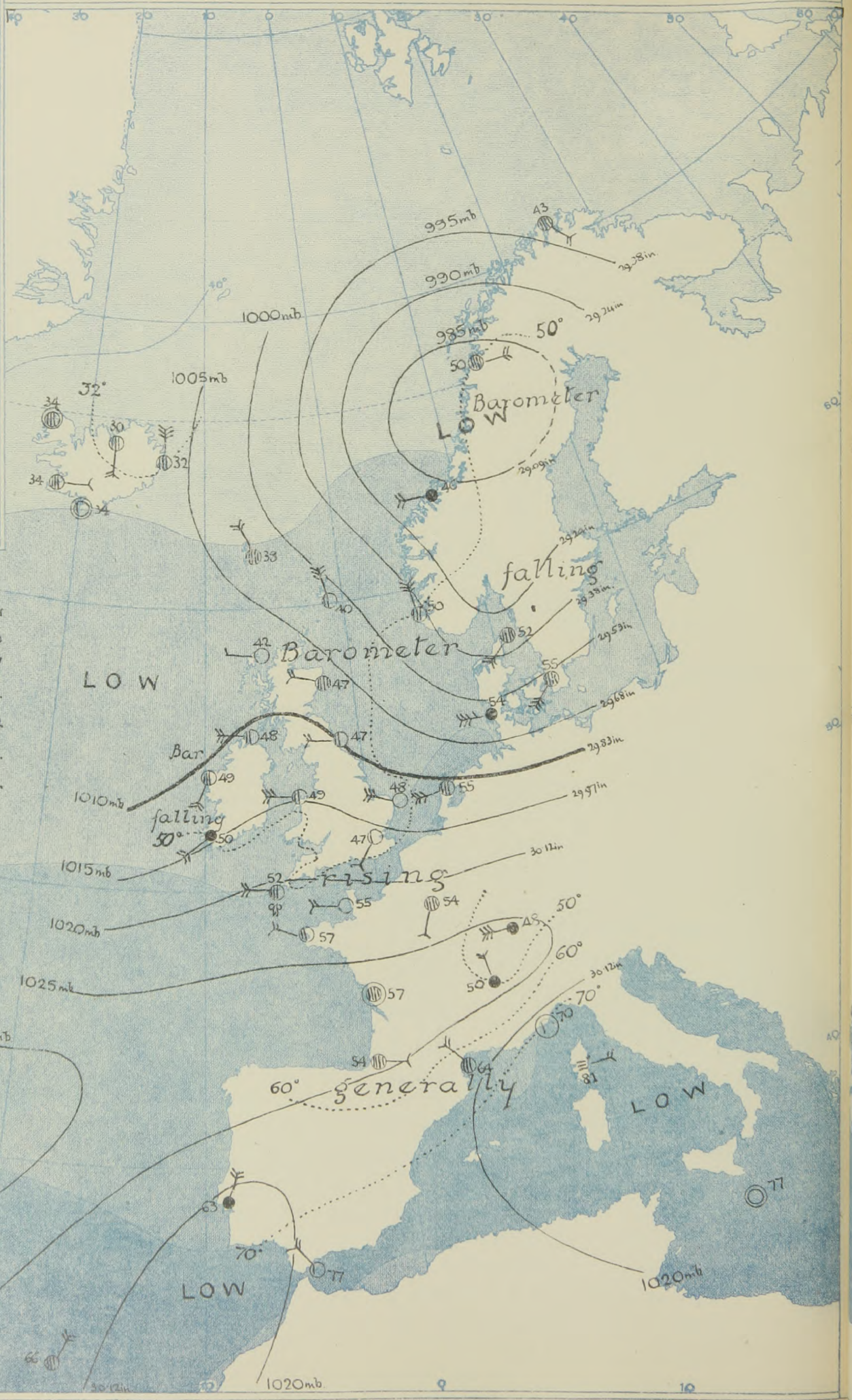
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—

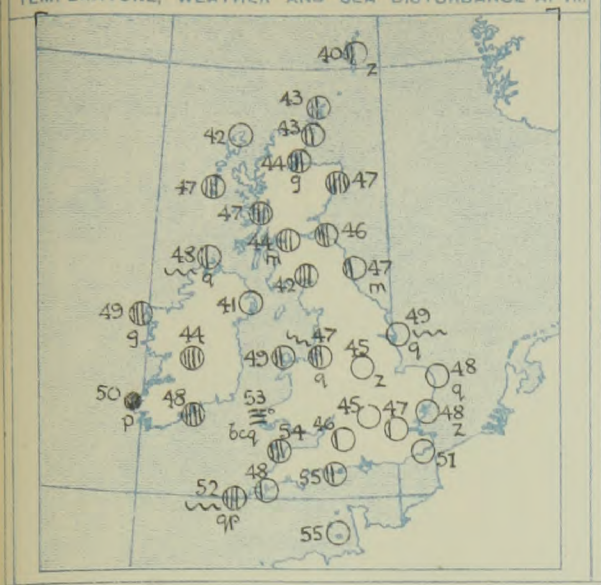
○ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ϒ, thunder. ϒ, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈≈≈.





TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



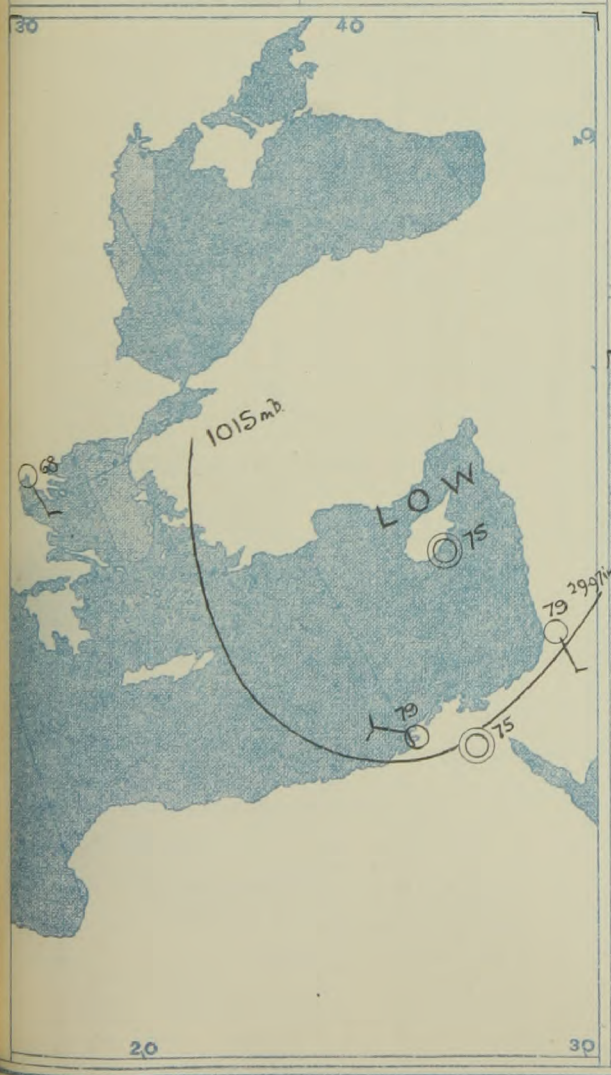
GALES.

Lough Foyle. 10h-17h, 19th
Extreme. WNW.g 13-15h.

Eskdalemuir.
Gusts 22mps 17h 19th.

Southport. 10h-21h, 19th
Ex. W.SW. 8, Gusts 28mps.

Holyhead.
Gusts 20mps at 11h 19th.



STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

Slight falls of rain in the form of showers occurred at nearly all stations; weather was mainly cloudy in the morning, improving towards night, and moderate amounts of bright sunshine were registered over most of the United Kingdom, reaching 9.6 hours at Falmouth. Temperature was low, the maximum exceeding 60° at only a few stations in the south-east, but night minima were again kept relatively high by the strong W. winds, falling below 40° only at Lerwick(36°).

The Conditions at 7h. Today

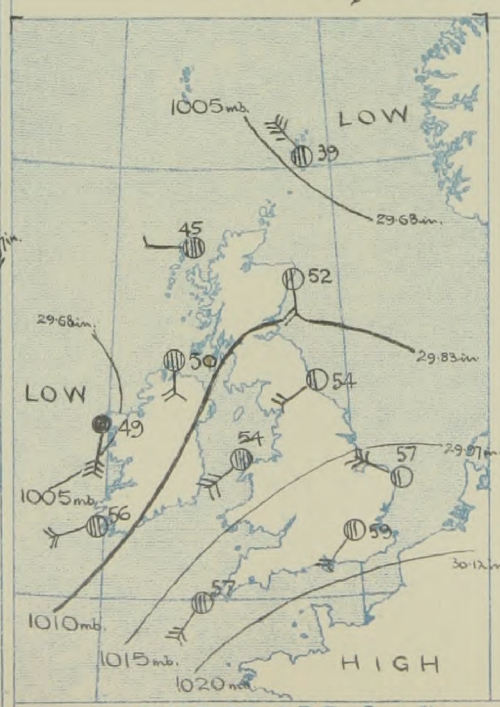
The depression that was centred near Stornoway yesterday has moved eastward and now lies over the south of Scandinavia, having nearly united with the depression that lay near Bodo yesterday. There are, however, indications of a new disturbance westward of Ireland. The region of high pressure which lay west of the Azores yesterday now extends across the Bay of Biscay into Central France, and has developed a fairly steep gradient for NE. winds on its south-eastern side; pressure is still fairly high over Iceland.

The General Outlook

The barometer is falling over Scandinavia, and the system of depressions there appears to be moving eastward or north-eastward; the barometer is rising over most of the United Kingdom, but a fresh fall has set in in the west of Ireland, and the new depression may be expected to move eastward in its turn, causing a renewal of dull rainy weather and a continuance of strong winds.

H.H.

Friday. 20th SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



The fall of pressure has now spread eastwards over almost the whole of England, but is checked in the west, and the disturbance may be of secondary type only.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 263 {Friday 20TH Sept.

	STATIONS.	EVENING OF 19TH					MORNING OF 20TH								24 HOURS ENDED 7 h 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.	
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	993·6	45	SE	2	omr	1001·3	+5	40	−8	NNW	5	NW	bcq	3	7	52	36	cm	cm	cm	
	Deerness (Orkney)	992·5	49	NW	4	c	1004·0	*	43	−5	NW	4	W	bc	3	1	53	42	b.bc	bc.c	cp.bc	4·0
	Stornoway ...	997·3	50	N	6	cpq	1007·1	+2	42	−6	W	1	-	c	0	4	57	42	opq	cpq	cp3	3·5
	Castlebay (Barra Isd.)	1001·4	51	WNW	5	bc	1008·6	0	47	−4	WNW	3	-	c	3	2	55	45	o.cp	cp.o.bc	bcgpc	4·2
	Glasgow ...	997·3	50	W	6	o	1010·0	+4	44	−2	W	3	-	cm	*	1	55	43	op.cpq	cpq	o.bccp	2·9
	Eskdalemuir ...	998·9	48	WSW	6	op	1011·4	+3	42	0	SSE	2	W	c	*	2	51	41	o.op.o	c.opq.o	op.bc.c	0·5
	Malin Head ...	1002·8	51	WNW	7	cpq	1010·4	0	48	−4	W	4	W	bcq	5	2	54	46	bcqp	bcqp	bcq	7·2
	Blacksod Point	?1008·9	49	NW	6	bc	1010·3	−4	49	−1	SSW	4	-	cg	4	4	52	44	cpq	bcp	bcq.cp	
	Valencia (Cahirciveen)	1016·1	52	WNW	4	b	1014·6	−4	50	−2	SW	4	-	op	3	3	55	47	cp	cp.b	bc.op	2·8
	Roche's Point	1015·0	52	WNW	3	bc	1016·5	−2	48	+1	SW	1	-	o	2	0·2	56	45	bcpq	cp.bc	b.o	*
	Birr Castle ...	1012·5	47	W	1	c	1014·6	*	44	−4	S	1	-	o	*	2	54	41	cp	cp	c.o	3·4
	Donaghadee ...	1003·3	53	WNW	5	bcqmp	1012·2	+3	41	−3	W	3	W	bcm	2	1	56	40	bcmqp	cmqp	bcmqp	*
	Liverpool (Bidston)	1006·2	52	WSW	7	bc	1014·4	+3	47	−3	WSW	4	W	bcq	5	2	56	46	c.bcqp	cq	opqc	5·6
	Holyhead ...	1007·5	53	W	7	cqg	1015·0	+1	49	−2	W	5	NW	bc	4	2	56	48	bc.cpq	op.cpq	cq.bc	4·3
	Pembroke (St. Ann's)	1012·6	54	W	6	bc	1015·8	+2	53	0	W	4	W	bcmq	4	-	56	51	bcq	bcq	bcq	8·3
	Hartland Quay	1016·8	56	WSW	6	c	1019·3	+1	54	−1	WSW	5	-	c	4	0·3	57	52	bcp	bc.c	bcbp	*
	Scilly (St. Mary's)	1017·9	55	WNW	5	bc	1020·5	0	52	0	W	4	W	cpq	5	3	59	49	bcp	bcp	cpq	8·5
	Falmouth ...	1017·5	54	WSW	4	bv	1020·5	+2	48	−1	WSW	3	-	b	*	2	59	46	plcy.c	bcq.b.c	bcp	9·6
	Jersey (St. Aubin)	1018·7	57	W	4	o	1022·2	*	55	−1	W	3	-	b	3	-	61	52	o.c.b	b.c.o	o.c.b	4·0
	Portland Bill ...	1014·9	58	W	6	bc	1019·1	+3	56	+1	W	5	W	bc	4	1	59	54	bcp	bc	bc	*
	Dungeness ...	1013·5	58	WSW	5	cq	1018·7	+5	51	−11	W	3	-	b	3	-	62	47	cq	bcq	bc.b	*
	Wick	992·2	51	N	3	o	1005·5	+5	43	−6	NW	3	-	bc	2	3	54	43	bcm	c	opc.b	*
	Nairn	992·8	49	WNW	3	bc	1007·0	*	44	−3	W	1	-	cg	1	6	59	43	qbc	bc.rgc	cgp	5·1
	Aberdeen ...	990·6	52	W	3	c	1006·9	+5	47	0	WNW	3	-	o	2	3	59	46	oz.bcq	bcq.c	opq.o	4·6
	Leith	993·7	53	SW	4	c	1009·6	+2	46	−1	SW	3	W	c	2	1	57	45	c.bcp.c	cpqw.c	cq.bc	*
	Tynemouth ...	997·4	52	WSW	4	cmqp	1009·4	+3	47	0	W	3	-	bcm	3	1	56	46	cqp	cmqp	bq.bcm	*
	Spurn Head ...	1004·6	56	WSW	6	cq	1011·8	+3	49	−1	W	5	-	bq	5	-	59	47	bcq	bc.cqr	bq	6·3
	Yarmouth (Gorleston)	1009·3	55	WSW	5	bcq	1014·4	+5	48	−9	WNW	5	-	bq	4	1	61	46	bcqp	bcq	bq	8·1
	Clacton-on-Sea	1011·8	57	WSW	3	bc	1017·4	+4	48	−12	WNW	4	-	bz	3	2	61	47	cpg.bc	bc	c.bc.bz	7·6
	Nottingham ...	1008·2	55	W	4	c	1015·7	*	45	−4	W	2	-	bz	*	0·1	60	43	o.c	bcp	bc.b	7·6
	Benson (Oxon.) ...	1012·8	53	SW	3	b	1017·6	+4	45	−5	WSW	3	-	b	*	1	60	40	b	bqbc	bmw	*
	Sth Farnborough	1013·9	50	WSW	4	b	1018·7	+3	47	−4	SW	4	W	b	*	0·4	61	43	cyp.o.bc	b.bcpq	b.bc.b	8·4
	Salisbury Plain	1014·3	51	WSW	5	b	1019·9	+4	46	−3	WSW	2	W	b	*	1	59	42	c.bcpq	o.c.bcqp	opc.bc	7·2
	London (Kew Obsy.)	1013·3	53	SW	3	bv	1019·0	+3	47	−6	SW	2	-	b	*	2	59	45	bc	bc.bv	b.bcb	7·5
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö															*						
	Bodö	998·1	48	E	1	c	983·4	−5	50	+7	E	4	-	o	2	?	52	41				
	Christiansund ...	990·3	54	W	3	r	986·6	+5	46	−6	W	4	-	r	3	16	59	45				
	Skudesnaes ...	990·3	50	WSW	3	o	996·0	+8	50	−2	NNW	6	-	c	4	17	52	46				
	Færder (X'tania Fjord)	991·4	54	SSW	8	o	987·8	−3	54	0	SW	7	-	c	5	1	57	52				
	The Scaw (Skagen)	996·2	57	SW	5	r	992·4	−3	52	−3	SW	4	SW	o	4	23	61	50				
	Blaavands Huk	1005·6	55	W	6	c	1003·8	+3	54	−1	W	7/6	-	r	*	3	61	48				
	Copenhagen ...	1003·5	61	NNW	3	o	1002·7	−2	55	0	SW		-	o	*	TRACE	64	52				
	Bornholm ...																					
FRANCE, &c.	The Helder ...	1009·6	57	SW	6	bc	1011·6	+2	55	−8	WSW	6	-	c	4	TRACE	64	54				
	C. Gris Nez ...	1013·9	57	W	6	bc	1018·3	+1	54	−7	W	6	*	b	6	-	61	54				
	La Hève	1018·9	57	W	6	o	1021·5	*	54	−5	W	5	*	bc	5	TRACE	66	54				
	Brest (St. Mathieu)	1020·4	59	WNW	4	c	1023·9	+1	57	+2	WNW	3	*	bc		2	61	54				
	Rochefort (Ile d'Aix)	1019·9	61	NW	3	o	1025·5	+3	57	−6	-	0	*	o	*	4	66	55				
	Biarritz	1020·8	63	NNE	1	r	1025·5	+3	54	−16	E	2	*	o		36	73	54				
	Paris	1019·0	59	WNW	2	o	1024·0	+4	54	−9	SSW	2	-	o	*	1	66	52				
	Belfort	1019·0	61	NW	4	o	1025·1	*	48	−11	NW	6	*	r	*	10	75	48				
	Lyons	1018·2	70	N	2	o	1025·5	*	50	−20	N	3	*	r	*	9	81	50				
	Nice	1019·6	66	-	o	b	1018·9	0	70	0	-	0	*	b		-	81	59				
	Perpignan ...	1017·8	72	-	o	bc	1020·2	+3	64	+4	ENW	3	-	c	*	-	79	64				
	Sanguinaire ...	1019·8	63	ENE	1	o	1019·0	*	81	+2	E	3	*	m		-	95	66				
IBERIA, &c.	Corunna																					
	Madrid														*							
	Lisbon	1018·3	68	N	2	o	1019·3	0	63	−1	NNE	4	-	r	5	9	72	61				
	Azores (Horta) ...	1030·2	*	NE	5	bc	1034·4	+1	59	−4	E	3	*	b	2	-	66	59				
	,, (P. Delgada)	1027·5	*	NNE	4	bc	1032·8	+2	59	−2	NE	1	*	o	5	1	68	61				
	Madeira	1015·7	72	W	1	o	1022·4	+1	66	−6	NE	4	-	c	4	-	79	66				
	Gibraltar	1018·3	81	NW	4	b	1024·7	*	77	+7	NW	3	*	b	0	-	88	69				
	Palma																					
MEDITERRANEAN.	Algiers																					
	Malta	*	*	*	*	*	1019·3	+1	77	?	-	0	-	b	0	-	81	73				
	Salonica	1015·3	74	SSE	1	b	1017·5	+2	68	+2	SSE	1	-	b	*	-	90	64				
	Athens																					
	Candia																					
	Limassol	*	*	*	*	*	1010·9	0	75	0	-	0	-	b	0	-	84	63				
	Alexandria ...	1015·9	77	N	1	b	1011·8	+1	79	+2	NW	2	-	b	1	-	88	75				
	Cairo (Helwan) ...	1016·2	79	N	3	b	1015·8	+1	75	+2	-	0	-	b	*	-	88	66				
	Jerusalem ...	?	68	WNW	4	b	?	?	68	0	W	2	-	b	*	-	81	59				
	Ramleh	1015·0	77	-	0	b	1014·1	0	79	0	S	1	-	b	*	-	88	68				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

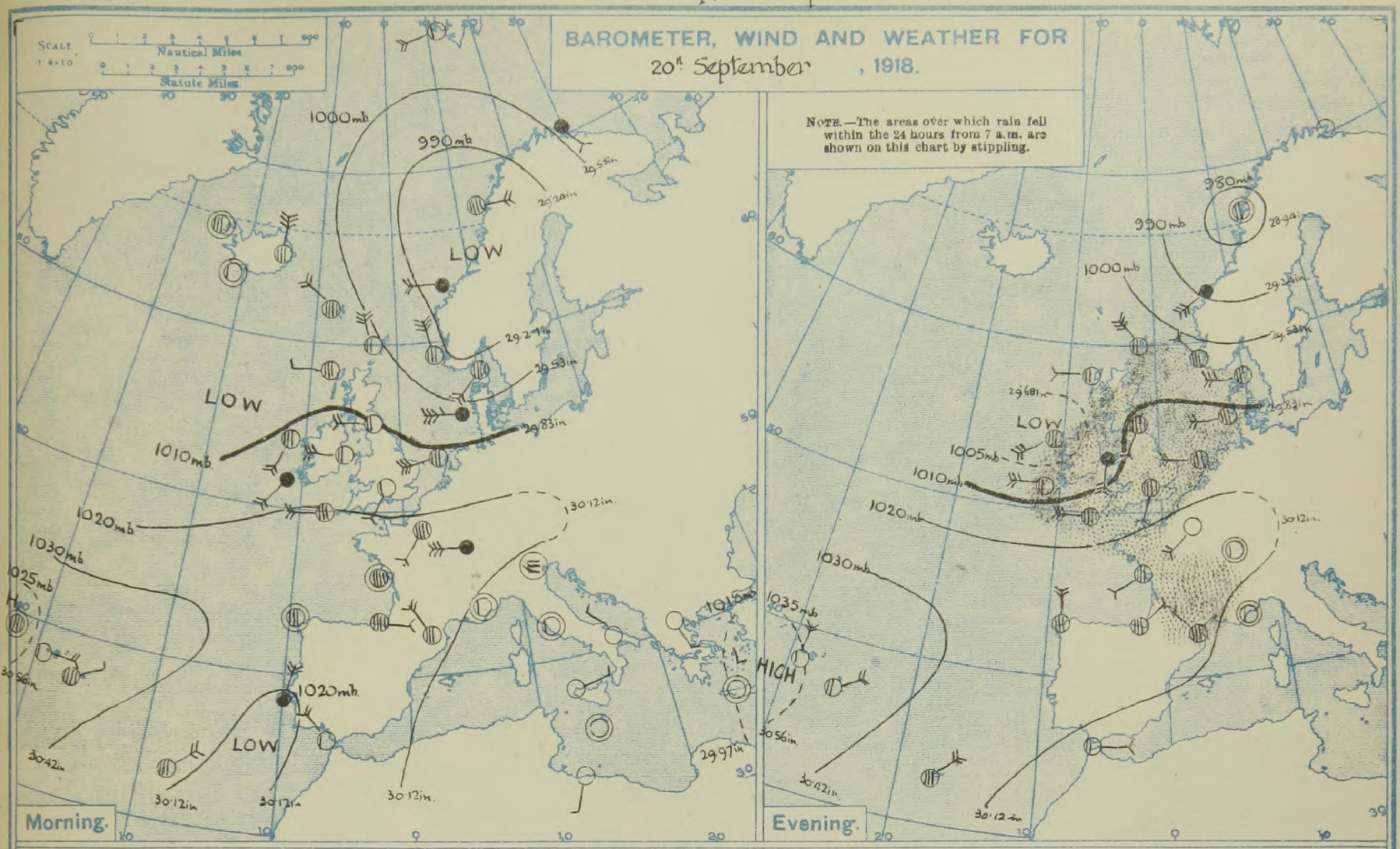
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20,757. Saturday, 21st September, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 20TH September

	STATIONS.	Evening of 19TH: Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0–12.	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.	Archangel ...														*	
RUSSIA.	Petrograd ...															
RUSSIA.	Moscow														*	
SWEDEN.	Hernösand ...							*						*	*	*
SWEDEN.	Stockholm ...							*						*	*	*
SWEDEN.	Wisby							*						*	*	*
ITALY.	Venice	1019·1	72	–	0	bc	1017·3	*	66	0	–	0	f	–	77	64
ITALY.	Turin	1018·1	66	–	0	b	1017·1	*	?	?	–	0	bc	–	77	63
ITALY.	Pesaro	?	70	–	0	b	1017·1	*	68	-2	–	0	bc	–	79	59
ITALY.	Leghorn ...						1018·6	*	72	+2	–	0	b	–	79	66
ITALY.	Rome	1021·7	73	–	0	b	1020·3	*	64	0	–	0	b	–	86	61
ITALY.	Viesti	1019·5	77	–	0	b	1019·0	*	77	+4	–	0	b	–	79	70
ITALY.	Brindisi	1018·7	72	ENE	6	b	1017·7	*	72	+6	NW	1	b	–	82	70
ITALY.	Cagliari						–	*								
ITALY.	Palermo						1020·3	*	72	0	ENE	1	b	–	91	56
ITALY.	Tripoli						1023·8	*	70	–5	SSW	1	b	–	95	63

ICELAND.	Morning of 20TH: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F.	°F.			
Isafjord ...	1009·5	34	0	–	0	c
Reykjavik	1009·2	34	-2	E	2	c
Vestmanna	1009·1	34	0	–	0	b
Seydisfjord	1006·6	32	0	N	6	c
Thorshavn	1001·6	38	–6	NW	4	0

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

Sept 21st & 22nd 1918.

	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·39	11·46	5·54
	6·40	11·46	5·52
Greenwich	5·46	11·53	6·1
	5·47	11·53	5·59
Wick	5·55	12·5	6·15
	5·57	12·5	6·12
Valencia	6·27	12·34	6·42
	6·28	12·34	6·40

LONDON Sept 21st 9h. G.M.T.	Humidity. 15 h. 20TH	Humidity. 9 h. 21ST	Sunshine for 20TH	24 Hours ended 9 h. 21ST: Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	57	73	8·8	63	49	44	4·4	c	c	0.c.or.0
CITY (Bunhill Row)	*	*	7·4	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	85	?	7·4	62	50	45	2·8	*	*	*
" (Roof near Charing Cross)	–	–	8·5	–	–	–	2·9	bc.g.bc	bc	bc.c.bc
CAMDEN SQ. (British Rainfall)	54	80	6·2	63	48	44	3·2	bc	bc	*
KENSINGTON PALACE	56	81	8·1	62	50	47	4·0	c	bc.c	*

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 20TH

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

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.

21st SEPT., at 1h. G.M.T.

THE MORNING OF Saturday, 21st SEPTEMBER 1918, at 7h. G.M.T.

EXPLANATION.

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

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

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

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

SEA DISTURBANCE.—Rough ~~ High ≈

Scale 1 : 2 x 10⁶
Nautical Miles
Statute Miles
1 inch = 30·42 miles

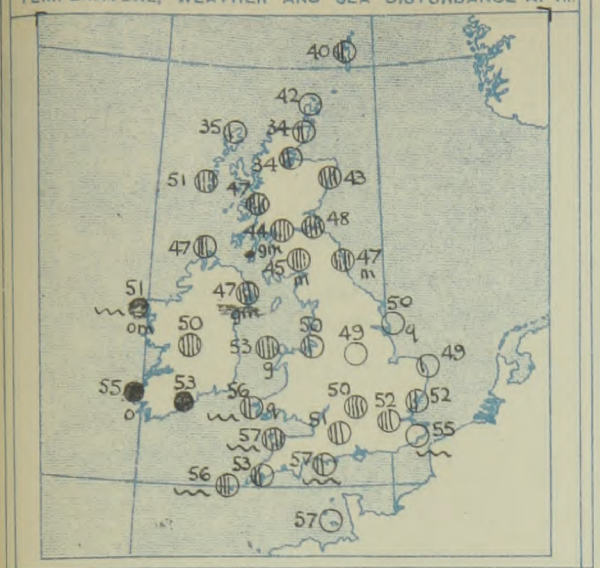
Normal Temperature of the Sea.

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

Scale of Tints for SEPTEMBER.

STRICTLY CONFIDENTIAL.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

Hartland Quay. 15-19h. 20th. Extreme SSW.g at 18h.

Falmouth. 13h-18h. 20th. Extreme S.W.8

Dungeness. 20h. 20th - 3h. 21st. Extreme W.S.W.8

Notes on the Weather of the 24 hours ended 7h. Today

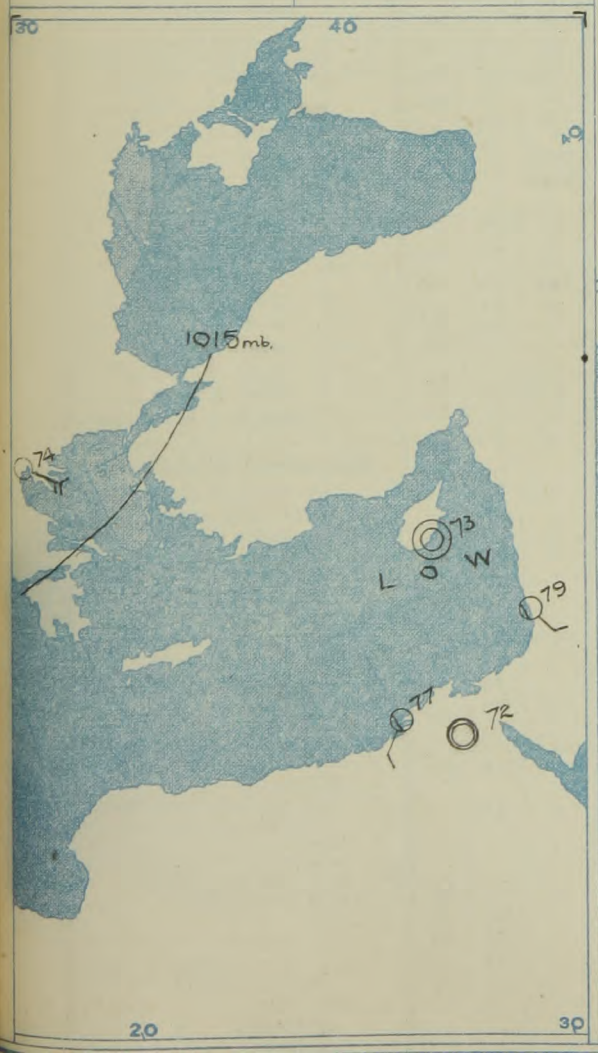
During the past 24 hours rain fell in nearly all districts, 14 mm. being recorded at St. Ann's Head. In the north and west weather was cloudy or dull, and little bright sunshine was experienced but in the south-east the day was fine, 9.0 hours being registered at Yarmouth and 8.8 hours at Clacton. Temperature continued low and maxima of 60° or 61° were recorded only in the Home Counties; during the night temperature fell below freezing point in north-east Scotland.

The Conditions at 7h. Today

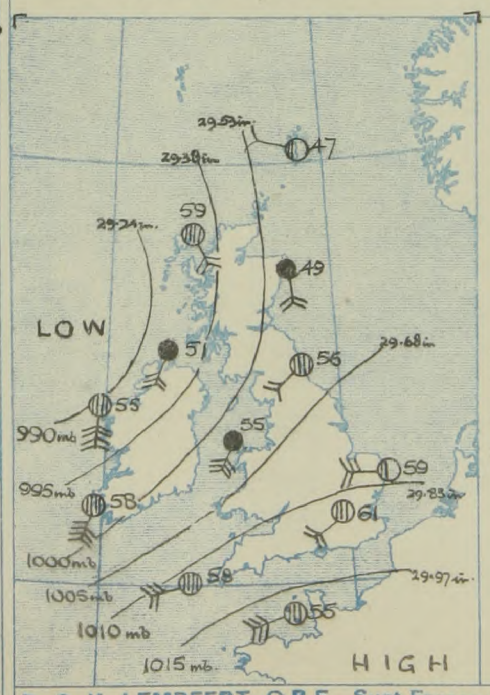
The secondary depression that was off the west coast of Ireland yesterday morning crossed the British Isles during the course of the night and is now situated over the North Sea. A new deep depression has appeared off the north-west of Ireland and the winds have backed in front of it. The depression over Norway has moved somewhat north-eastwards; another depression is slowly forming over the Western Mediterranean. Pressure is high over the Azores and a belt extending thence across Spain and Southern France.

The General Outlook

The barometer is falling briskly in the west of Ireland and a deep depression is approaching from the west; this will probably cross the United Kingdom rapidly in a north-easterly direction causing strong winds or gales in all districts. Pressure distribution remains favourable for the eastward passage of depressions across the Atlantic.



SATURDAY, 21ST SEPTEMBER, 1918, at 13h. (1p.m.) G.M.T.



The barometer is falling rapidly in the north-west of Ireland indicating that the deep depression is moving north-eastward as anticipated.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 264 { Saturday 21st Sept

	STATIONS.	EVENING OF 20TH					MORNING OF 21ST								24 HOURS ENDED 7 h 21ST						Sunshine for 20TH
		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 ...	1005·5	40	NW	6	bcq	1003·8	−2	40	0	NW	4	NW	bc	2	0·3	44	36	cqp	bcq	bc	2·8
	Deerness (Orkney)	1006·8	44	WNW	2	o	1003·4	*	42	−1	E	1	SW	b	1	−	48	40	bc.c.o	o	o.c.bcb	0·8
	Stornoway ...	1006·6	46	WNW	2	bc	1001·2	−4	35	−7	N	1	−	b	0	2	49	32	c.op	o.bc	bc.bx	2·8
	Castlebay (Barra Isd.)	1005·9	49	E	2	o	1000·1	−5	51	+4	ESE	4	−	o	4	−	52	47	c.bc	bc.o	o	3·8
	Glasgow ...	1007·4	49	SW	1	omc	1003·9	0	44	0	E	1	−	omq	*	1	53	43	om.	op.c om	om.p	1·9
	Eskdalemuir ...	1009·2	46	SSW	1	or	1004·1	0	45	+3	−	0	−	om	*	4	50	41	or.ovy	ovy.o	or.od.o	1·6
	Malin Head ...	1003·4	48	S	3	omd	1000·8	−2	47	−1	SSW	3	SW	c	2	2	54	45	bcq	omd	bc	*
	Blacksod Point	1001·3	51	SW	5	cp	999·4	−7	51	+2	S	6	−	omr	6	8	52	47	omr	bp	bcp.or	4·0
	Valencia (Cahirciveen)	1008·1	55	WSW	5	bc	1005·1	−9	55	+5	SSW	5	−	or	4	12	57	49	or.bc	c.bcqp	bc.c.or	
	Roche's Point	1008·3	54	W	3	cp	1009·1	−3	53	+5	SW	3	−	r	3	3	57	48	or	r.cp	b.or	*
	Birr Castle ...	1004·8	52	SW	1	c	1005·2	*	50	+6	S	1	−	o	*	8	52	43	or	or.cp	cp.o	0·6
	Donaghadee ...	1005·2	49	SSW	2	ogmr	1003·7	0	47	+6	SW	2	−	ogm	2	5	56	41	bcm	bc.omr	omr.cm	*
	Liverpool (Bidston)	1008·8	50	S	3	r	1005·6	+1	50	+3	W&W	4	SW	bc	3	4	56	47	p.bc.o	c.or	c.bc	3·2
	Holyhead ...	1004·8	53	S	5	orm	1006·2	+1	53	+4	WSW	5	W	og	3	6	57	48	c.bc.or	op.orm	cp.bc.o	3·1
	Pembroke (St. Ann's)	1008·4	52	SW	4	r	1009·7	0	56	+3	W	5	W	bcq	6	14	56	53	bcq.cq	cqr	cq.pcq	2·6
	Hartland Quay	10[illegible]·9	56	SSW	9	ormq	1012·2	0	57	+3	WSW	5	NW	o	5	8	58	52	cp.op	ou.orq	ro.pqo	*
	Scilly (St. Mary's)	1013·4	56	W	6	cpq	1014·1	−1	56	+4	W	5	W	c	6	4	60	52	cpq	cpq	bc.cp	2·9
	Falmouth ...	1013·3	53	SW	7	cqp	1013·9	0	53	+5	SW	3	W	bc	*	5	60	47	bcp	cq.cpq	bc.bcu	3·6
	Jersey (St. Aubin)	1019·9	60	SW	4	o	1016·3	*	57	+2	W	4	−	b	4	4	62	54	bcp	cq.bc.o	opqb	5·3
	Portland Bill ...	1014·9	58	WSW	7	c	1011·8	+1	57	+2	W	7	W	bc	6	5	58	53	bcqr	bc.c	bc	*
	Dungeness ...	1014·1	57	WSW	4	bcq	1010·9	+2	55	+4	WSW	5	−	b	5	4	62	50	bcpq	cpq	cpq.bc	*
	Wick	1007·0	44	WNW	1	omp	1003·6	−2	34	−9	W	1	−	bc	1	3	49	31	bc.c	c.omp	bcm	*
	Nairn	1006·5	47	−	0	bc	1002·8	*	34	−10	−	0	−	bc	0	0·3	53	31	d.bc	bc	bcx	3·0
	Aberdeen ...	1007·4	48	W	1	cq	1004·1	0	43	−4	NW	2	−	o	2	1	52	42	o.c.bc	bc.cp	bc.o	1·9
	Leith	1006·8	51	SW	1	o	1003·0	0	48	+2	NE	1	−	o	2	1	58	45	c.bc.pc	cu.p.c o	og.pqo	*
	Tynemouth ...	1010·4	52	SW	2	om	1003·2	+1	47	0	−	0	−	om	2	4	55	46	bcm	bcm	om	*
	Spurn Head ...	1012·5	55	SSW	2	c	1005·0	0	50	+1	W	5	−	bq	4	1	58	48	bcq	bc	cpq	6·5
	Yarmouth (Gorleston)	1015·2	54	SW	2	c	1008·2	0	49	+1	WSW	3	−	b	3	1	60	48	b.bcq	bcq	c.op.lb	9·0
	Clacton-on-Sea	1016·5	56	WSW	4	c	1009·3	+2	52	+4	WNW	4	NW	bc	3	4	60	48	bz.bcq	bcq.c	c.or.bc	8·8
	Nottingham ...	1012·6	54	SSW	2	op	1007·3	*	49	+4	W	1	−	bm	*	052	58	45	bc.c	c.po	o.cp	7·3
	Benson (Oxon.) ...	1014·7	54	SSW	3	r	1009·7	+3	50	+5	SW	3	−	o	*	4	58	45	b.o.b	bc.o	r	*
	Sth Farnborough	1016·5	54	SSW	5	opr	1011·5	+3	51	+4	WSW	4	−	bc	*	4	61	47	bv.oq	o.cp	r.or.bc	7·1
	Salisbury Plain	1015·3	51	SSW	4	or	1011·5	+2	51	+5	WSW	4	SW	c	*	5	58	45	v.bc.cdp	opq.or	q.bc.c	5·4
	London (Kew Obsy.)	1016·2	55	SSW	2	o	1011·1	+2	52	+5	SW	3	−	c	*	4	61	47	bcvy	cvy.o	onr.bc	7·0
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö														*							
	Bodö	976·8	50	−	0	bc	980·6	+1	50	0	N	1	−	bc	1	2	54	46				
	Christiansund ...	989·0	43	SW	6	r	993·8	+3	45	−1	W	4	−	o	4	42	48	39				
	Skudesnaes ...	1005·2	46	NW	5	c	1001·8	−1	46	−4	W	2	−	c	3	Trace	50	45				
	Færder (X'iania Fjord)	1000·6	52	W	6	b	1000·3	+1	48	−6	WSW	7	−	bc	4	−	57	48				
	The Scaw (Skagen)	1003·0	52	W	5	c	1002·7	−1	50	−2	SE	2	−	c	2	1	57	45				
	Blaavands Huk	1011·1	52	WNW	4	c	1003·9	−4	52	−2	SW	1	−	r	*	Trace	57	46				
	Copenhagen ...	1009·8	54	W	4	bc	1007·5	−8	52	−3	WSW	3	−	rv	*	Trace	57	48				
	Bornholm ...																					
FRANCE, &c.	The Helder ...	1016·8	54	W	4	c	1005·5	−7	55	0	SE	6	−	c	4	21	57	50				
	C. Gris Nez ...	1018·0	59	WSW	6	o	1011·0	+3	55	+1	W	8	*	bc		10	61	50				
	La Hève	1020·6	59	WSW	5	c	1016·2	+1	55	+1	WSW	6	*	o		Trace	63	52				
	Brest (St. Mathieu)	1020·7	59	SW	6	o	1018·4	+1	57	0	W	4	*	c		6	61	50				
	Rochefort (Ile d'Aix)	1025·0	61	SW	2	c	1022·0	0	61	+4	SW	4	*	c	*	−	72	55				
	Biarritz	1023·9	61	ENE	2	o							*									
	Paris	1023·0	55	SSW	2	o	1018·7	+1	54	0	SSW	3	−	b	*	−	66	50				
	Belfort	1027·1	46	−	0	b	1024·4	*	39	−9	−	0	*	b	*	3	63	36				
	Lyons	1025·7	52	NW	2	b	1024·4	*	45	−5	−	0	*	bc	*	2	57	43				
	Nice	1015·0	70	−	0	b							*									
	Perpignan ...	1022·6	64	NW	1	c	1022·0	0	59	−5	SW	1	−	o	*	2	75	57				
	Sanguinaire ...	1017·7	77	NW	2	f	1018·0	*	75	−6	E	2	*	m		−	93	70				
IBERIA, &c.	Corunna	1025·6	63	N	4	c	1023·6	+1	57	1	−	0	−	b	2	−	66	48				
	Madrid														*							
	Lisbon																					
	Azores (Horta) ...	1034·7	*	−	0	o	1033·5	0	59	0	NNW	3	*	o	2	−	68	59				
	,, (P. Delgada)	1033·2	*	NE	4	bc	1039·9	+1	61	+2	NNE	1	*	c	5	−	68	59				
	Madeira	1022·7	73	NE	4	c	1024·4	+1	68	+2	NE	2	−	c	4	−	75	66				
	Gibraltar	1018·6	76	E	2	bc	1017·3	*	69	−8	E	1	*	bc	0	−	89	67				
	Palma																					
MEDITERRANEAN.	Algiers	1016·2	85	−	0	b	1017·1	+1	83	!	W	4	−	b	0	−	103	80				
	Malta	*	*	*	*	*																
	Salonica	1016·1	74	SE	3	b	1015·6	0	68	0	SSE	2	−	b	*	−	87	65				
	Athens																					
	Candia																					
	Limassol	*	*	*	*	*	1011·5	0	73	−2	−	0	−	b	0	−	86	61				
	Alexandria ...	1015·4	77	N	2	b	1013·8	+1	77	−2	SW	1	−	b	0	−	90	70				
	Cairo (Helwan) ...	1014·2	81	N	2	b	1013·8	+1	72	−3	−	0	−	b	*	−	88	68				
	Jerusalem ...	!	66	WNW	3	b	!	!	66	−2	WNW	1	−	b	*	−	79	59				
	Ramleh	1013·6	77	−	0	b	1013·4	0	79	0	SSE	1	−	b	*	−	90	66				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1– 3	0·3– 1·5
2	4– 7	1·6– 3·3
3	8–12	3·4– 5·4
4	13–18	5·5– 7·9
5	19–24	8·0–10·7
6	25–31	10·8–13·8
7	32–38	13·9–17·1
8	39–46	17·2–20·7
9	47–54	20·8–24·4
10	55–63	24·5–28·4
11	64–75	28·5–33·5
12	Above 75	33·6 or above

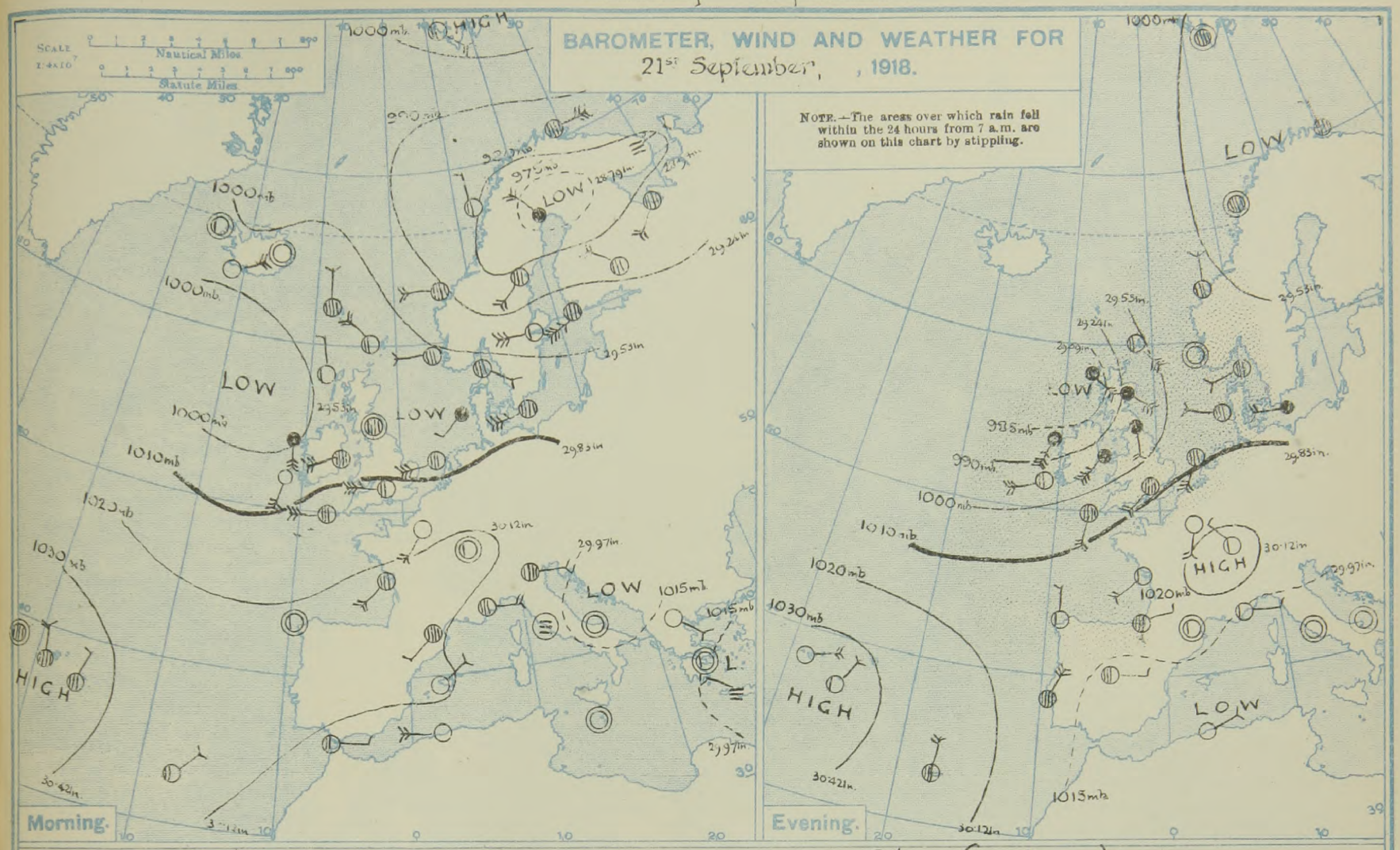
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. ..... Sunday. 22nd September 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 21st September.

STATIONS.	Evening of 20th: Barom. Millibars at M.S.L.	Temp. °F.	Wind: Direc.	Wind: Force 0–12.	Weather.	Morning of 21st: 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.	Weather.	Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.
RUSSIA. Archangel ...														*	
RUSSIA. Petrograd ...															
RUSSIA. Moscow														*	
SWEDEN. Hernösand ...						981·2	*	45	—	SSW	4	c	*	*	*
SWEDEN. Stockholm ...						995·5	*	46	—	W	6	b	*	*	*
SWEDEN. Wisby						1002·6	*	50	—	NE	2	b	*	*	*
ITALY. Venice						1015·1	*	64	?	—	0	b	—	75	63
ITALY. Turin	1014·7	64	—	0	bc	1015·1	*	73	+5	—	0	b	—	91	66
ITALY. Pesaro	1014·7	82	—	0	b	1015·9	*	73	+1	—	0	bc	—	79	66
ITALY. Leghorn ...	?	73	—	0	b	1017·8	*	68	+4	—	0	f	—	88	64
ITALY. Rome	1018·3	75	—	0	c	1014·2	*	67	−10	—	0	b	—	82	73
ITALY. Viesti	1015·0	77	ESE	1	b		*								
ITALY. Brindisi							*								
ITALY. Cagliari							*								
ITALY. Palermo							*								
ITALY. Tripoli							*								

ICELAND.	Morning of 21st: Barom. Millibars at M.S.L.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Weather
Isafjord ...	1002·6	32	−2	—	0	b
Reykjavik	1001·5	34	0	E	3	b
Vestmanna	1000·4	37	+3	NE	4	b
Seydisfjord	1005·2	25	−7	—	0	c
Thorshavn	1002·3	36	−2	N	2	0

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

22nd and 23rd Sept 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·40 / 5·41	11·46 / 11·45	5·52 / 5·49
Greenwich	5·47 / 5·48	11·53 / 11·52	5·59 / 5·56
Wick	5·57 / 5·59	12·5 / 12·4	6·12 / 6·9
Valencia	6·28 / 6·29	12·34 / 12·33	6·40 / 6·37

LONDON

22nd Sept ...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)	62	92	5·9	65	51	51	14	c, 0	c, 0	0, r
CITY (Bunhill Row)	*	*	5·1	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	72	89	4·8	64	53	50	13·6	—	—	—
„ (Roof near Charing X) ..	65	91	4·9	?63	53	-	13·6	bc. c	cq. 0q	0. rq
CAMDEN SQ. (British Rainfall)	63	93	4·9	65	52	49	13	bc	bc	*
KENSINGTON PALACE	59	90	4·6	63	53	?	13·8	0	0r	*

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

SOUTH KENSINGTON (M.O.)

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

Total. Joules.	Average Rate. Milliwatts.	Max. Rate. Milliwatts.
860	19·5	65

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.

22nd SEPT., at 1h. G.M.T.

THE MORNING OF Sunday, 22nd SEPTEMBER 1918, at 7h. G.M.T.

LOW

HIGH

HIGH

LOW

HIGH

HIGH

falling

generally

EXPLANATION.

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

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

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

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

SEA DISTURBANCE.—Rough ~~ High ≈≈.

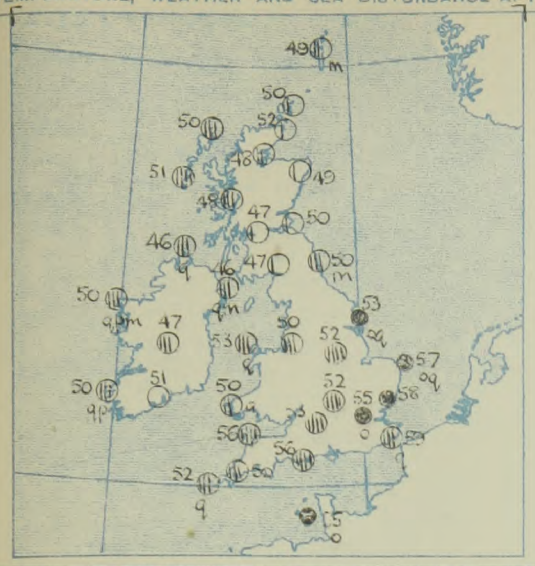
SCALE 1 : 2 × 10⁷
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea.

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

Scale of Tints for SEPTEMBER.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

Lerwick. 21st 10p - 22nd 3 a.m
Extreme E 10 at 10pm

Langholm. Extreme SSW 8 at 10p
Gust. 23m/s.

Lough Foyle. 11a.m - 3p.m. 21st.
Extreme S.S.W. 8.

Valencia
21st noon Gust 21 m/s S.S.W.

Holyhead
21st. 6, m SW. 22 m/s.

Hartland.
1, a.m - night 21st. SSW 8

Scilly 7am. 22nd. gust 20 m/s.

Portland 7pm 21st - 4am 22nd. S.W. 8

Aberdeen.
21st 6pm. S.E. 19 m/s.

STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

Heavy rain occurred in nearly all districts, the largest measurements being 28 mm. at Eskdalemuir, and 32 mm. at Valencia. Little sunshine was recorded generally, but the South-Eastern districts experienced as much as 7 hours. A maximum temperature of about 63° was reached in the south, but elsewhere the maxima were below 60°, only 50° in the far north. Lightning was experienced at Malin Head. A SW. gale was felt on various parts of our western coasts, a heavy E. gale in Shetland.

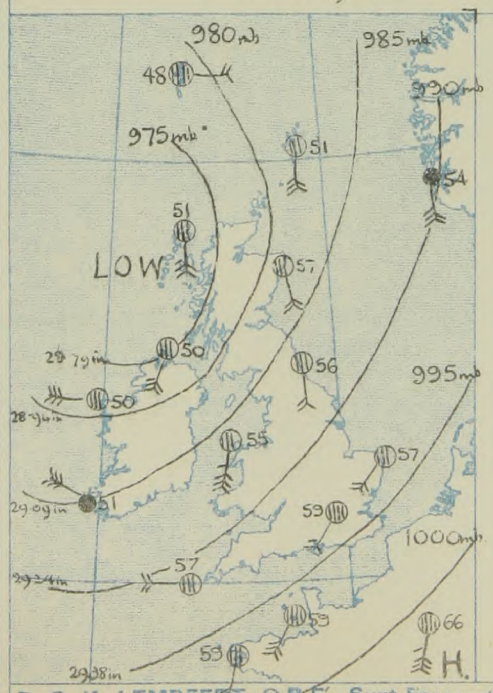
The Conditions at 7h. Today

The deep depression that was off the west of Ireland yesterday now lies off the west of Scotland, and has caused strong winds or gales in all districts. The depression over the north of Norway has moved somewhat north-eastward. The anticyclone about the Azores has undergone no important modification. An area of moderately high pressure lies over Italy. Winds between the north of Scotland and Central France are fresh or strong from between S. and W.

The depression off the west of Scotland is moving slowly eastward and showing no disposition to decrease in intensity; so that it will probably continue to influence the weather over these Islands for the present.

It will be seen from the 13h. map which appears below that during the forenoon the disturbance remained all but stationary, the only change of note being the veering of the wind into West in the west of Ireland.

Sunday, 22nd SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn.

H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 265

SUNDAY
22nd SEPTEMBER

	STATIONS	EVENING OF 21st					MORNING OF 22nd									24 HOURS ENDED 7 h 22nd						Sunshine for 21st
		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 ...	999·3	43	SE	6	bc	982·1	+4	49	+9	SW	5	-	bcm	3	9	50	38	bc	bc	omr	*
	Deerness (Orkney)	992·2	50	SE	7	our	980·0	*	50	+8	SSE	5	SW	b	5	14	50	42	b,bc,c,o	ou	our,bd	5·6
	Stornoway ...	983·3	49	SE	6	orq	975·8	-2	50	+15	S	4	-	c	6	19	51	34	bo	orq	bc,ebq	2·5
	Castlebay (Barra Isd.)	982·6	54	SW	5	od	974·8	-3	51	0	S	6	-	o	6	6	55	50	ob	rd	do,po	0·0
	Glasgow ...	984·6	54	SSW	3	omr	983·4	-6	47	+3	SSW	5	-	b	*	10	55	44	om,p,om	om,omr	r,bc,b	0·0
	Eskdalemuir ...	991·8	54	S	4	orm	985·4	-3	47	+2	SSW	5	-	b	*	28	54	44	om,od,o	orm	orm,bc	0·5
	Malin Head ...	984·9	52	SSW	4	cq	975·2	-7	46	-1	S	6	SW	cq	5	4	56	45	cq,r	cqp	bc,qb	0·0
	Blacksod Point	986·2	52	SSW	8	bcmqp	976·1	-3	50	-1	SSW	8	-	cqpm	7	13	56	46	omr	cqp	cq,pqb	*
	Valencia (Cahirciveen)	994·8	54	WSW	5	bc	985·8	-5	50	-5	SW	5	W	cpq	6	32	58	46	orp	rod	bc,cpq	0·1
	Roche's Point	996·1	54	SW	4	o	989·1	*	51	-2	SW	4	-	b	4	15	57	49	r	ro	cb	*
	Birr Castle ...	992·5	53	S	1	r	984·9	*	47	-3	S	2	-	c	*	15	58	46	or	or	or c	0·0
	Donaghadee ...	988·3	56	SSW	5	omrq	983·3	-3	46	-1	SW	5	SW	bcmq	4	11	56	45	ogm,or	omr,q	o,qpbm	*
	Liverpool (Bidston)	994·9	56	S	4	r	990·0	-2	50	0	SSW	3	SW	bc	3	5	57	50	o	r	o,bc,c	0·0
	Holyhead ...	995·4	57	SW	7	orq,m	988·4	-3	53	0	SW	5	W	cq	5	20	58	51	c,pc or	or,om	or,o,cq	1·1
	Pembroke (St. Ann's)	999·8	57	S	4	r	991·7	-3	54	-2	WSW	6	SW	bcq	6	9	58	53	c,qp	o,qp,d	oqr,bc	0·8
	Hartland Quay	1003·6	59	SSW	9	m	994·3	-2	56	-1	SW	6	SW	opq	5	9	59	55	o,odbm	odm,om	r,bc,p	*
	Scilly (St. Mary's)	1005·5	58	SSW	5	om	996·5	-3	52	-4	W	6	W	cq	6	13	60	51	c,om	o,om	cpq	0·3
	Falmouth ...	1006·2	58	SSW	6	omq	996·0	-2	50	-3	SW	3	SW	c	*	12	60	48	c,qp,dq	omq	o,rc,pq	0·9
	Jersey (St. Aubin)	1012·8	62	SW	3	b	999·3	*	55	-2	W	6	-	or	4	11	65	54	bc,o	o,b	e,or	4·7
	Portland Bill ...	1008·4	58	SW	7	o	996·0	-2	56	-1	WSW	6	-	o	5	8	59	54	bc	c,o	o,c,o	*
	Dungeness ...	1010·6	60	SW	5	cq	998·1	-5	59	-4	SW	4	SW	cq	5	-	63	54	bc,q	bc,q	cq,cq	*
	Wick	991·0	50	SSE	6	omrq	980·3	-2	52	+18	S	3	-	b	4	8	52	33	bcm,o	omr,q	bc,pqb	*
	Nairn	988·1	49	-	0	dmo	980·3	*	48	+14	SE	1	-	beq	1	2	52	34	bc,eq	cq,do	p,rc	0·0
	Aberdeen ...	992·9	51	SE	5	orq	984·2	0	49	+6	SSW	3	-	b	3	5	55	42	ogr	or,q	orq,b	0·0
	Leith	989·2	53	SSW	3	r	983·8	-1	50	+2	SW	1	-	b	2	3	58	48	o,eo	od,qr	r,o,c,b	*
	Tynemouth ...	995·6	53	S	3	mr	987·9	-2	50	+3	S	3	-	cm	3	2	56	47	om	omr	omer	*
	Spurn Head ...	1001·9	54	S	4	orqm	991·9	-2	53	+3	SSW	4	-	orq	4	5	59	49	cq	e,or,qm	e,oqrp	5·1
	Yarmouth (Gorleston)	1008·5	59	SW	4	c	997·5	-5	57	+8	SW	5	-	oqr	5	1	62	49	b,bc,q	bc,q,c	c,o qr	7·9
	Clacton-on-Sea	1009·5	59	WSW	4	c	997·1	-4	58	+6	S	5	-	r	4	3	63	51	bc,c	c,bc,e		7·0
	Nottingham ...	1002·4	57	SSW	5	o	993·0	*	52	+3	SW	2	SW	o	*	4	61	48	bc,c	c,ob	or	3·0
	Benson (Oxon.) ...	1006·7	57	SSW	5	o	994·7	-2	52	+2	SSW	3	-	o	*	18	62	50	bc	o	or	*
	Sth Farnborough	1008·5	56	SSW	7	o	995·7	-2	53	+2	SW	5	-	r	*	17	63	51	bc,o	o,c,od,o	odor	4·8
	Salisbury Plain	1007·4	56	SSW	6	oq	995·7	-3	53	+2	SSW	3	SW	o	*	14	60	50	od,c,oq	odq	or qr	3·6
	London (Kew Obsy.)	1008·4	58	SW	4	o	995·9	-3	55	+3	SW	3	-	or	*	12	62	52	dbc,pod	cw,o,v,o	od,o,or	5·1
NORTHERN EUROPE.	Spitsbergen ...	999·5	30	-	0	o	999·9	+1	36		-	0	*	o	*	*	36	27				
	Vardö	994·3	39	N	2	o	1000·4	+3	37	-6	-	0	-	c	5	*	43	37				
	Bodö	991·9	50	-	0	o	998·3	+3	48	-2	-	0	-	o	1	?	52	46				
	Christiansund ...	1001·2	46	N	2	c	995·9	-6	45	0	E	4	-	o	3	3	48	37				
	Skudesnaes ...	1002·7	43	-	0	b	991·0	-8	50	+4	SE	10	-	r	7	2	50	43				
	Færder (X'tania Fjord)	1001·1	52	W	4	b	1002·3	-1	52	+4	SSE	2	-	o	2	-	54	48				
	The Scaw (Skagen)	1002·6	50	WSW	2	c	1001·6	-3	54	+4	S	3	-	r	3	-	55	48				
	Blaavands Huk	1006·4	54	WNW	2	c	1002·0	-2	57	+5	SSW	6	-	o	*	6	59	50				
	Copenhagen ...	1005·0	54	W	3	o	1007·3	-1	54	+2	SW	2	-	o	*	2	55	50				
	Bornholm ...	1005·9	52	W	3	r	1009·6	+1	54		WSW	3	-	bc	1	2	54	50				
FRANCE, &c.	The Helder ...	1009·6	59	SW	5	c	1001·2	-5	57	+2	S	6	-	c	3	1	59	52				
	C. Gris Nez ...	1012·4	59	WSW	6	o	999·4	-6	55	0	SSW	6	*	c	5	-	63	55				
	La Hève	1013·6	61	SW	4	bc	1001·2	*	57	+2	SSW	6	*	c	-	?	63	54				
	Brest (St. Mathieu)	1012·7	59	S	4	c	1000·8	-3	57	0	WSW	5	*	o	-	8	61	52				
	Rochefort (Ile d'Aix)	1019·1	63	SW	3	b	1006·8	-3	61	0	W	5	*	o	*	-	68	57				
	Biarritz	1015·7	68	ENE	1	c	992·0	+1	64		?	5	*	r	-	2	73	64				
	Paris	1017·0	61	SSW	3	b	1005·9	-7	50	+4	SSE	2	-	o	*	-	68	48				
	Belfort	1021·3	54	NW	1	b	1014·3	*	50	+11	-	0	*	c	*	-	63	39				
	Lyons	1021·1	57	E	1	b	1011·9	*	55	+10	S	1	*	o	*	-	66	45				
	Nice	1014·7	70	E	1	b	1016·8	+1	68		-	0	*	c	-	-	82	54				
	Perpignan ...	1018·9	64	-	0	b	1012·4	-5	57	-2	-	0	-	c	*	-	79	55				
	Sanguinaire ...	1018·3	75	NW	2	b	1016·3	*	75	0	E	2	*	b	-	-	84	66				
IBERIA, &c.	Coruna	1019·1	64	N	1	b	1011·8	-3	59	+2	WSW	3	-	r	2	13	66	55				
	Madrid														*							
	Lisbon	1018·0	64	NNW	5	b	1020·6	0	61		W	2	-	b	-	-	71	61				
	Azores (Horta) ...	1032·4	*	ENE	4	b	1030·3	0	63	+4	-	0	*	o	2	-	73	59				
	,, (P. Delgada)	1031·3	*	NNE	2	b	1029·2	-1	66	+5	NW	1	*	o	2	-	68	59				
	Madeira	1023·9	72	N	3	o	1025·6	0	66	-2	NE	4	-	c	4	-	73	64				
	Gibraltar							*					*									
	Palma																					
MEDITERRANEAN.	Algiers	1016·0	79	NE	2	b	1014·3	0	90	+7	WSW	4	-	b	3	-	95	54				
	Malta	*	*	*	*	*	1016·6	+2	81	-1	SW	1	-	b	0	-	88	75				
	Salonica	1013·5	74	-	0	b	1015·6	44	72	+4	NNE	4	-	b	*	-	90	65				
	Athens	1015·1	75	WSW	1	b	1014·4	+1	77	0	-	0	-	f	1	-	90	70				
	Candia	1013·8	75	-	0	b	1014·2	0	72	-3	-	0	NW	b	0	-	81	66				
	Limassol	*	*	*	*	*	1009·4	0	72	-1	-	0	-	b	-	-	86	61				
	Alexandria ...	1014·0	77	N	2	b	1014·0	+1	79	+2	N	1	-	b	-	-	88	70				
	Cairo (Helwan) ...	1012·6	82	NE	1	b	1013·2	+2	73	+1	N	1	-	b	*	-	91	68				
	Jerusalem ...	?	68	WNW	4	b	?	0	70	+4	NNE	1	-	b	*	-	84	59				
	Ramleh	1012·7	77	NW	1	b	1013·2	+1	77	-2	-	0	-	b	-	-	90	66				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

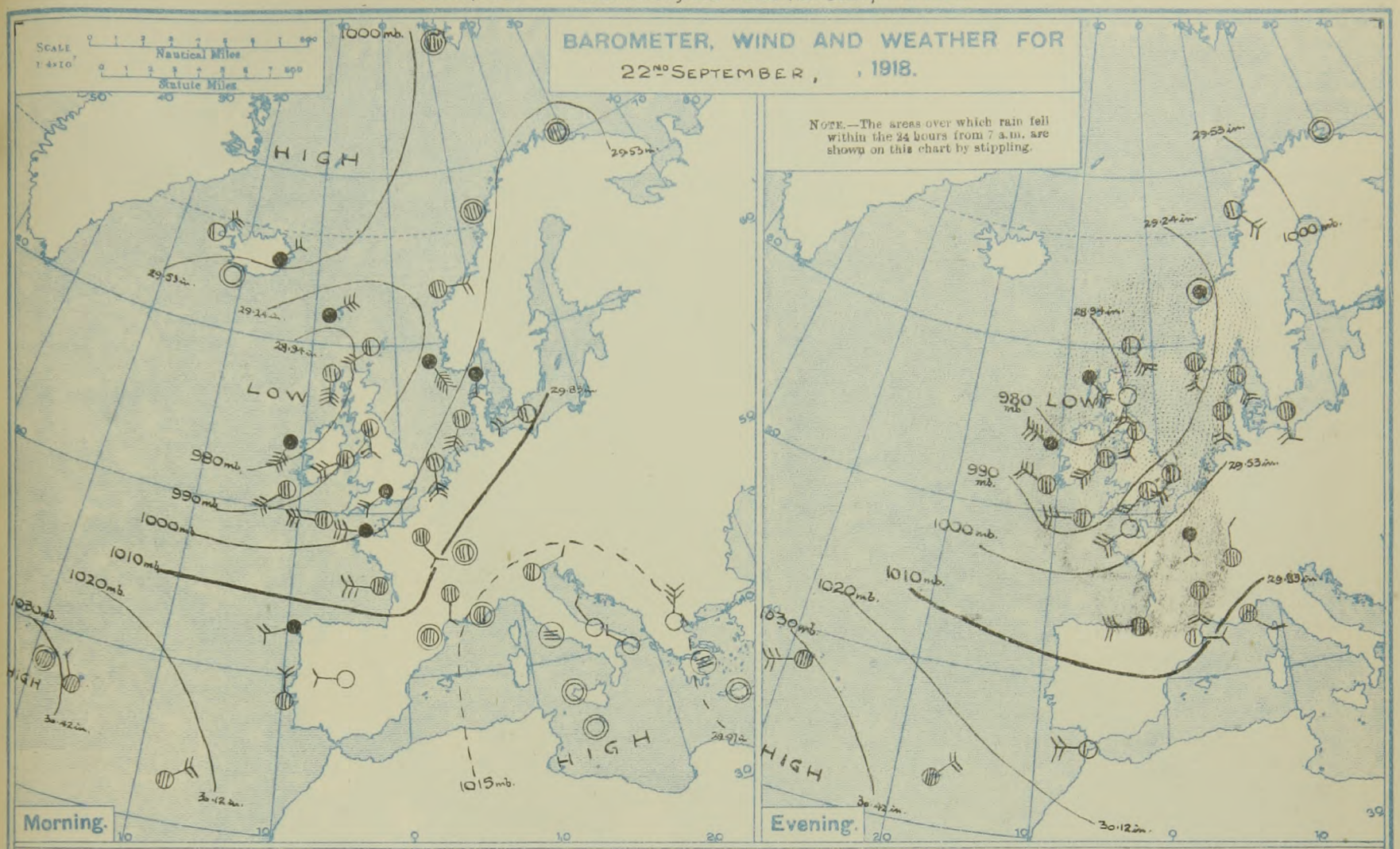
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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 20,759 MONDAY, 23RD SEPTEMBER, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 22nd SEPTEMBER

	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.	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.
SWEDEN. RUSSIA.	Archangel ...														*	
	Petrograd ...															
	Moscow														*	
SWEDEN.	Hernösand ...							*						*	*	*
	Stockholm ...							*						*	*	*
	Wisby							*						*	*	*
ITALY.	Venice						1017·7	*	64		ENE	1	c	-	70	61
	Turin						1018·1	*	63	-1	N	4	0	-	79	61
	Pesaro	1017·1	73	S	1	b	1018·3	*	66	-4	SW	1	c	-	86	61
	Leghorn ...	1017·3	72	-	0	b	1017·1	*	66	-4	-	0	bc	-	81	63
	Rome	1017·5	72	-	0	b	1018·6	*	68	0	-	0	f	-	84	66
	Viesti	1014·2	84	SE	1	b	1017·7	*	74	+10	NNW	1	b	-	88	68
	Brindisi	1016·9	77	SE	1	b	1015·1	*	73		NW	1	b	-	84	73
	Cagliari							*								
	Palermo						1018·6	*	88		-	0	b	-	97	70
	Tripoli						1020·7	*	82		SSW	1	f	-	?	66

ICELAND.	Morning of 22nd: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F.	°F.			
Isafjord ...	1001·6	39	+4	NE	4	bc
Reykjavik	1000·0	32	+2	E	1	b
Vestmanna	999·2	32	+5	-	0	b
Seydisfjord	1001·6	34	+9	NE	3	r
Thorshavn	980·3	42	+6	ENE	b	r

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

23rd and 24th 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·41	11·45	5·49
	5·43	11·45	5·47
Greenwich	5·48	11·52	5·56
	5·50	11·52	5·54
Wick	5·59	12·4	6·9
	6·1	12·4	6·6
Valencia	6·29	12·33	6·37
	6·31	12·33	6·35

LONDON 22nd Sept. 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)	77	72	0·1	58	48	42	4·0	0, fog	0	0, fog
CITY (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	75	75	0·11	58	49	45	2·2	0	or bc	bc
(Roof near Charing X)	72	75	0·1	59	60		2·0	rain	oc	fog, bc, or
CAMDEN SQ. (British Rainfall)	-	76	0·0	59	48	44	3·3	-	-	*
KENSINGTON PALACE	68	77	0·3	59	49	38	4·1	bc	bc	*

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 22nd

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

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.

23RD SEPT., at 1h. G.M.T.

THE MORNING OF MONDAY, 23RD SEPTEMBER 1918, at 7h. G.M.T.

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.

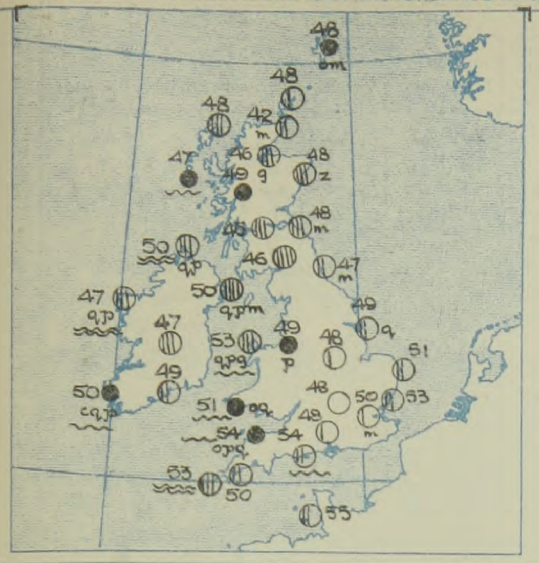
SEA DISTURBANCE.—Rough ~~~ High ≈≈≈

Normal Temperature of the Sea.

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

Scale of Tints for SEPTEMBER.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



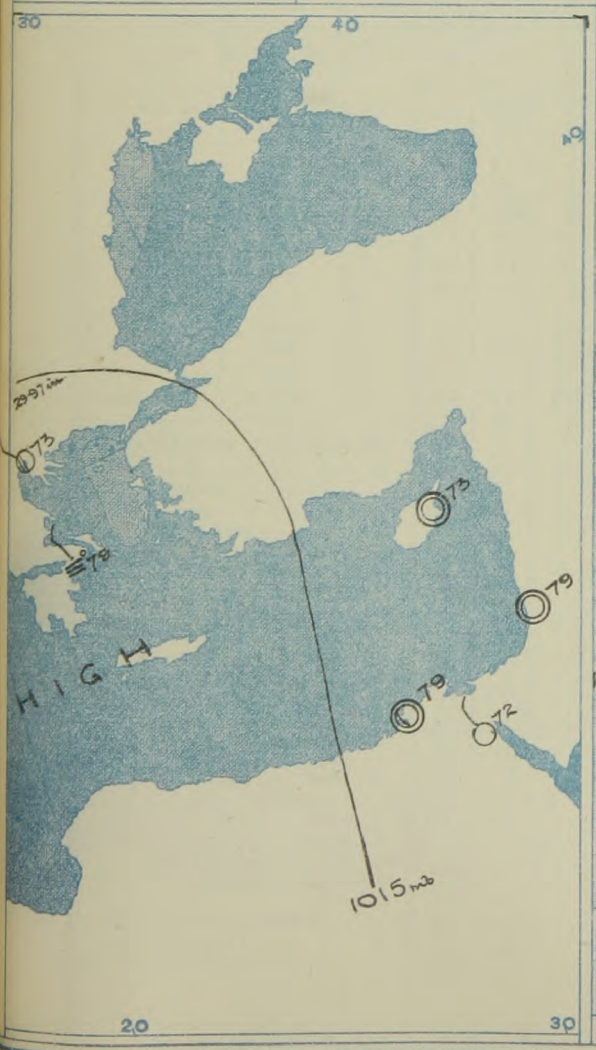
GALES.

ESKDALE: Gust 23 m.p.s. at Noon 22nd.

LOUGH FOYLE: 7h-13h. 22nd Extreme S.W. 10 at 11h. 21h-7h. 23rd

Extreme N. 10 at 3h.

VALENCIA: N.W. 8 at 3h. 23rd Gust 26 m.p.s.



STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

Showery weather was experienced generally over the country. Rainfall measurements were below 10 mm. except at a few stations. 25 mm. was however reported from Dungeness. Sunshine was very variable ranging up to 7.1 hours at Deerness and 7.5 hours in Wales. Temperature reached 55°-60°.

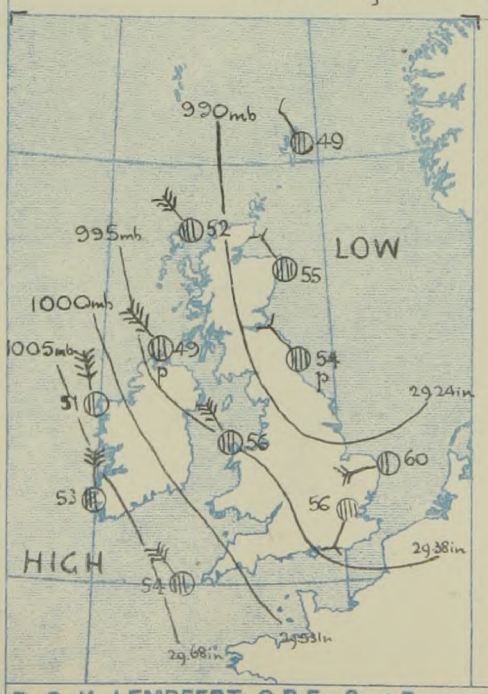
The Conditions at 7h. Today

A deep depression lies over Scotland and is moving eastward with strong NW. winds or gales over the Western parts of the British Isles in its rear. Over the North Sea winds are fresh from S. on the surface and over the south of England from SW. or W. Weather is generally cloudy and showery but continuous rain is reported at few stations in this country. Rain is more general over the southern parts of France. Pressure remains high westward of the Azores.

The Outlook

It is probable that further depressions advancing over the North Atlantic will cause backing and temporary moderating of the wind on our north-west coasts shortly and a continuance of unsettled conditions in the north, though weather may become more settled in the south.

Monday, 23rd SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



The barometer is still rising decidedly in the west. There are at present no indications of any fresh disturbance.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn.

H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No 266.

MONDAY 23rd SEPT.

	STATIONS	EVENING OF 22nd					MORNING OF 23rd								24 HOURS ENDED 7 h 23rd						Sunshine for 22nd
		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 ...	981·5	50	SSE	5	bcqm	982·8	+1	48	−1	SSE	3	-	omr	3	1	51	46	cmq	bc,mq	c	*
	Deerness (Orkney)	977·6	52	SSE	5	bc	981·4	*	48	−2	W	2	NE	b	1	1	55	46	b	b,bc,r,bc	bc,b	7·1
	Stornoway ...	972·8	50	SE	5	orq	982·0	+6	48	−2	NW	5	-	c	4	16	52	47	cp,q	orq	o,cpq	0·7
	Castlebay (Barra Isd.)	970·8	52	W	4	c	986·2	+8	47	−4	NW	5	-	r	5	7	53	47	o,c,op	op,c,op	c,op,cr	1·7
	Glasgow ...	979·3	49	SSW	4	omq	982·2	+4	45	−2	WNW	1	-	c	*	4	54	45	b,bc,op	c,q,omp	o,bc,op	4·0
	Eskdalemuir ...	980·6	49	SSW	6	o	982·1	+2	46	−1	SSW	3	-	o	*	5	53	42	b,op,hq	cp,op,h	p,hq,o,c	7·5
	Malin Head ...	974·8	51	SW	5	cq	986·1	+12	50	+4	NW	7	NW	cqp	7	8	53	45	bcq,p	bcq,p	cqp	2·1
	Blacksod Point	981·5	49	WNW	7	bcqp	996·4	+9	47	−3	NW	9	-	cqp	7	8	55	43	cqp	bcq,p	c,qh,qp	*
	Valencia (Cahirciveen)	988·5	53	NW	5	c	1001·0	+9	50	0	NNW	6	NW	cpq	6	9	56	45	c,op,r	r,cp,q	c,pq	3·6
	Roche's Point	986·1	53	W	3	bc	996·1	*	49	−2	WNW	5	NW	bc	4	2	57	48	bc,p,bc	c,c,op,bc	bc,p,bc	*
	Birr Castle ...	982·8	52	W	2	c	994·6	*	47	0	W	3	W	c	*	3	57	47	c	c,omp	c,omp	5·3
	Donaghadee ...	979·9	51	SW	4	bcmqh	984·0	+5	50	+4	NW	5	-	oqhm	4	5	57	46	bc,mq	bcmq,h	bc,mqh	*
	Liverpool (Bidston)	985·3	53	S	3	bc	985·3	+1	49	−1	SW	3	SW	h	2	1	57	47	h,bc	h,bc	h,bc	6·7
	Holyhead ...	983·2	54	SW	6	cpq	986·3	+2	53	0	WNW	4	NW	cp,qq	5	3	58	49	cq,h	cq,h	cp,cq	7·5
	Pembroke (St. Ann's)	986·7	52	SW	4	cqh	1001·9	+14	51	−3	WNW	6	-	o,qr	6	3	56	50	bc,q,cq	cq,h	bc,cqh	7·5
	Hartland Quay	984·4	54	SSW	4	o	9936	+14	54	−2	WNW	6	-	ohq	6	3	58	52	o	c,op	pc,opq	*
	Scilly (St. Mary's)	988·0	54	W	5	cqh	997·2	+3	53	+1	NW	7	NW	c	4	6	58	50	cq,h	cq,h	bcp,ch	3·3
	Falmouth ...	987·4	53	SSW	6	cpq	995·8	+14	50	0	WNW	4	W	bc	*	9	54	48	c,o,cpq	c,qh,hy	opq,ch	3·2
	Jersey (St. Aubin)	994·8	56	SW	5	bcqh	995·6	*	55	0	W	4	W	bc	4	11	60	52	or,o,q	oq,cqh	bc,qh,b	0·3
	Portland Bill ...	990·9	57	WSW	6	c	991·6	+14	54	−2	W	6	W	bc	6	3	58	53	or,qh	c,bc	bc	*
	Dungeness ...	992·6	58	SW	5	bcq	991·5	+2	53	−6	W	3	SW	bc	4	25	59	52	cr,q,c	cq	crq,pc	*
	Wick	977·7	53	SSE	4	c	981·5	+5	42	−10	WNW	2	*	bcm	3	1	55	40	bc,mq	bc,mc	bc,mp	*
	Nairn	975·9	56	S	1	c	981·3	*	46	−2	-	0	-	cq	1	3	56	45	bc,qc	q,cq	cqp	5·7
	Aberdeen ...	979·9	53	S	4	b	981·9	+3	48	−1	-	0	-	oq	2	-	58	47	b,bcq	bc,b	bc,wq	6·9
	Leith	979·2	53	SW	3	o	980·5	+1	48	−2	SW	1	-	cm	1	1	59	45	bc,qhc	cpqc,o	o,pc,mc	*
	Tynemouth ...	984·0	54	SSW	3	bcm	982·8	0	47	−3	SW	2	W	bcm	3	-	59	46	cm	cm	bcm	*
	Spurn Head ...	987·6	54	SSW	4	bcq	985·8	0	49	−4	SSW	4	-	bc,q	4	0·3	58	48	o,v,bcq	bcq	bc,q	1·6
	Yarmouth (Gorleston)	992·5	54	SW	4	c	989·3	+1	51	−6	WSW	4	-	bc	4	4	54	48	o,mq,r	cm,c	e,o,bc	0·0
	Clacton-on-Sea	992·5	54	S	5	c	990·4	+3	53	−5	W	3	W	bc	2	11	58	51	oq,r,o,q	o,q,r,e	c,oq,qr	0·0
	Nottingham ...	988·3	53	SW	3	b	987·8	*	48	−4	SW	1	SW	b	*	0·1	60	45	oc	cp,bc	bc,e,b	2·8
	Benson (Oxon.) ...	990·3	53	SSW	2	b	989·9	+3	48	−4	SW	3	-	b	*	1	59	46	o	c,bc	or,bw	*
	Sth Farnborough	991·2	53	SW	5	bc	991·1	+3	49	−4	SW	5	-	b	*	4	58	46	ro	p,bc,p,orc	bc,t,b	1·3
	Salisbury Plain	990·3	53	SW	2	o	991·7	+4	48	−5	WSW	2	W	b	*	3	58	45	c,bc,oq	qh,bcq	o,e,bcb	1·9
	London (Kew Obsy.)	991·1	54	SSW	3	bc	991·2	+3	50	−5	SW	2	-	bm	*	4	59	50	o,ro	o,c,bc	bc,rbc,bc	0·7
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö	1005·1	36	-	0	b	10039	−1	43	+6	S	5	-	o	3	*	41	36				
	Bodö	995·5	50	ESE	4	bc	990·1	−1	52	−4	E	1	-	bc	1	-	52	46				
	Christiansund ...	989·0	52	-	0	r	988·8	0	48	+3	E	2	-	o	2	7	54	39				
	Skudesnaes ...	987·7	52	S	4	o	987·5	−1	52	+2	SSE	5	-	o	3	5	54	50				
	Færder (X'tianiaFjord)	995·0	55	S	4	o	989·5	+1	54	+2	SSW	6	-	o	4	13	55	52				
	The Scaw (Skagen)	997·0	55	SSE	5	o	991·1	+2	54	0	SSW	2	-	o	2	1	57	52				
	Blaavands Huk	995·3	57	S	4	o	991·9	0	55	−2	SSW	4	-	o	*	2	61	50				
	Copenhagen ...	1001·7	59	SSE	3	bc	995·9	+1	59	+5	SW	3	-	o	*	-	59	54				
	Bornholm ...	1005·2	57	S	3	o	998·6	0	59	+5	SSW	4	SW	c	-	1	59	52				
FRANCE, &c.	The Helder ...	993·3	59	S	5	o	991·5	−1	52	−5	S	5	SW	c	3	8	63	52				
	C. Gris Nez ...	993·9	57	SSW	6	c	992·0	+2	55	0	WSW	7	*	r	-	4	61	52				
	La Hève	998·0	57	SSW	5	r	995·5	*	54	−3	SW	5	*	c	4	3	61	54				
	Brest (St. Mathieu)	994·7	59	SW	6	c	999·3	+3	55	−2	NW	6	*	c	-	2	61	50				
	Rochefort (Ile d'Aix)	1003·4	57	W	5	r							*		*							
	Biarritz	1006·3	63	W	5	o	1004·6	0	61	−3	WSW	7	*	r	-	13	43	57				
	Paris	1000·2	54	S	2	r									*							
	Belfort	1005·5	59	N	1	o	1003·8	*	52	+2	WSW	2	*	r	*	23	61	52				
	Lyons	1005·6	68	S	4	o	1003·3	*	54	−1	NE	1	*	r	*	3	73	54				
	Nice	1011·5	66	ESE	1	o							*									
	Perpignan ...	1006·0	73	E	2	bc	1003·7	+2	57	0	NW	2		r	*	1	88	59				
	Sanguinaire ...	1012·7	77	S	3	m		*					*									
IBERIA, &c.	Corunna														*							
	Madrid																					
	Lisbon																					
	Azores (Horta) ...	1030·0	*	WSW	5	o	1030·3	+1	68	+5	NNW	4	*	o	2	-	75	68				
	,, (P. Delgada)	1028·6	*	WNW	1	o	1027·7	+1	66	0	NNE	3	*	m	3	-	70	61				
	Madeira	1024·6	72	NE	4	o	10231	−1	66	0	NE	3	-	bc	3	-	73	64				
	Gibraltar	1018·6	68	W	4	b	1014·9	*	67		W	7	*	c	4	-	79	65				
	Palma																					
MEDITERRANEAN.	Algiers	1013·9	81	NNW	3	bc	1009·9	−2	77	−6	WSW	2	W	bc	3	-	91	73				
	Malta	*	*	*	*	*	1015·1	0	79	−2	SW	1	r	b	*	-	90	77				
	Salonica	1016·2	77	SSE	1	bc	1017·9	0	73	+1	NW	1	W	bc	-	-	93	68				
	Athens	1015·6	75	SSW	1	b	1015·4	0	79	+2	NNW	1	-	m	-	-	88	73				
	Candia																					
	Limassol	*	*	*	*	*	1012·3	0	73	+1	-	0	-	b	-	-	86	61				
	Alexandria ...	1014·4	77	N	2	b	1013·2	0	79	0	-	0	N	b	-	-	86	75				
	Cairo (Helwan) ...	1012·8	81	N	3	b	1012·8	0	72	−1	N	1	-	b	*	-	90	68				
	Jerusalem ...	?	68	WNW	3	b	?	0	66	−4	-	0	-	b	*	-	82	57				
	Ramleh	1012·6	77	NNW	1	b	1012·8	0	79	−2	-	0	-	b	-	-	88	66				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

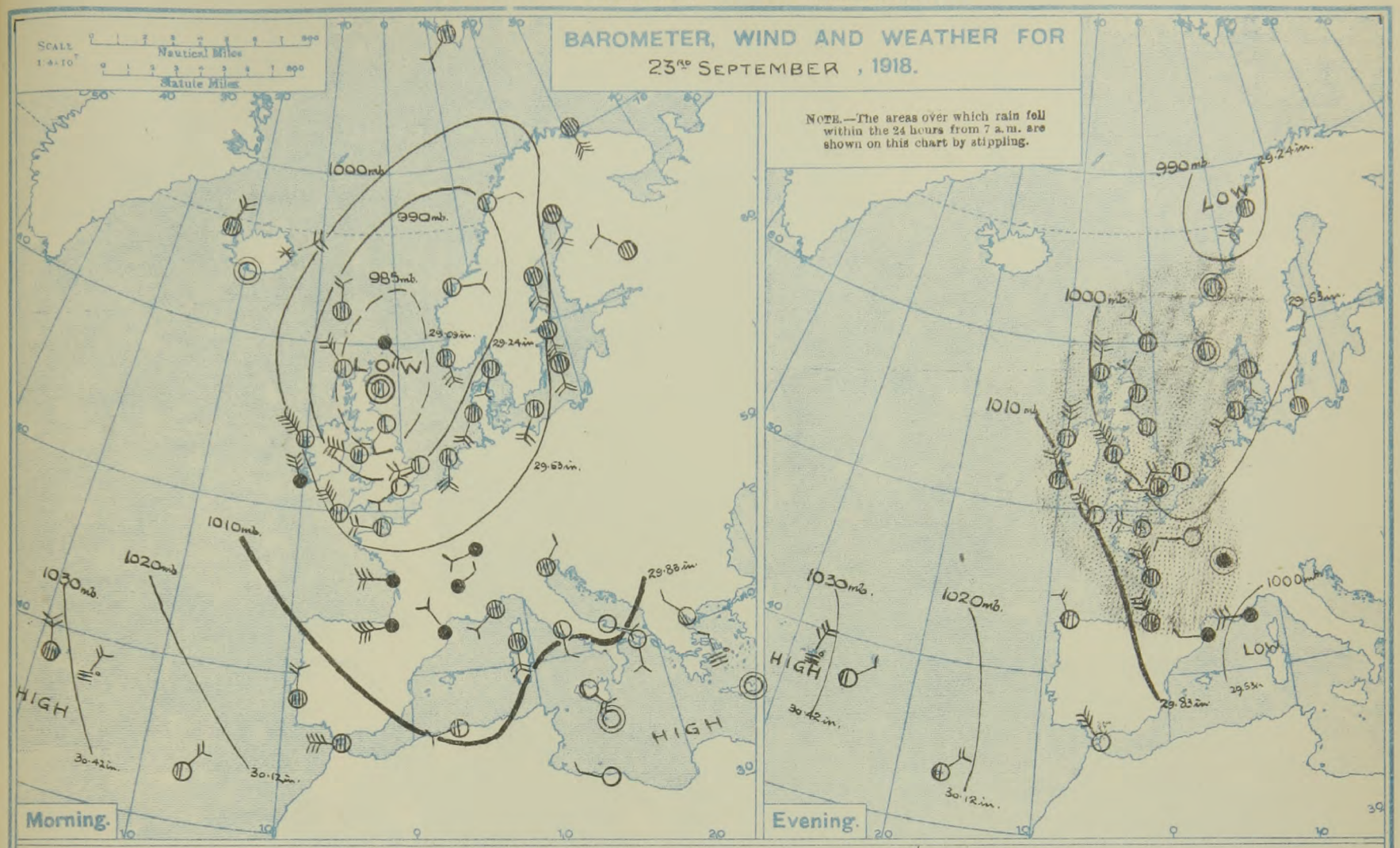
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20,760 TUESDAY, 24th SEPTEMBER, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 23rd SEPTEMBER

	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.	Morning of 23rd: Barometer. Change in 3 hours.	Morning of 23rd: Temp. Dry Bulb.	Morning of 23rd: Temp. Change in 24 hours.	Morning of 23rd: Wind. Direc.	Morning of 23rd: Wind. Force 0–12.	Morning of 23rd: Weather.	Rainfall. Millimetres.	Morning of 23rd: Temp. Max.	Morning of 23rd: Temp. Min.
			°F.					‡	°F.	°F.					°F.	°F.
RUSSIA.	Archangel ...														*	
	Petrograd ...															
	Moscow														*	
SWEDEN.	Hernösand ...							*						*	*	*
	Stockholm ...							*						*	*	*
	Wisby							*						*	*	*
ITALY.	Venice						1006·9	*	64	0	?	1	0	Trace	75	63
	Turin	1012·3	64	-	0	0	1003·6	*	63	0	SW	1	0	Trace	68	59
	Pesaro	1012·9	72	SE	1	0	1008·9	*	73	+7	SW	1	c	-	77	68
	Leghorn ...	1012·6	73	SE	5	c	1005·5	*	75	+11	E	1	bc	-	77	72
	Rome	1015·3	?	-	0	?	1009·9	*	77	+9	S	1	bc	-	84	68
	Viesti	1016·9	77	NW	1	b	1009·8	*	77	0	SE	2	b	-	82	68
	Brindisi	1016·7	75	NW	1	b	1014·2	*	72	-1	S	2	b	-	77	68
	Cagliari							*								
	Palermo						1011·8	*	90	+2	SE	3	b	-	91	75
	Tripoli						1018·2	*	73	+1	WNW	1	b	-	95	63

ICELAND.	Morning of 23rd: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F.	°F.			
Isafjord ...	1006·4	37	-2	NNE	4	0
Reykjavik	1005·1	27	-5	-	0	b
Vestmanna	1003·5	28	-4	-	0	b
Seydisfjord	1005·2	32	-2	NE	4	S
Thorshavn	987·7	46	+4	N	3	0

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

24th and 25th Sept 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·43	11·45	5·47
	5·46	11·45	5·45
Greenwich	5·50	11·52	5·54
	5·52	11·52	5·52
Wick	6·1	12·4	6·6
	6·4	12·4	6·3
Valencia	6·31	12·33	6·35
	6·33	12·33	6·33

LONDON ..... 24th Sept. 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)	68	44	6·2	63	42	35	1·5	b, c	c, 0, 0p	c, b, zp
CITY (Bunhill Row)	*	*	4·6	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	80	74	5·1	60	42	37	1·5	*	*	*
" (Roof near Charing X) ..	73	49	5·0	60	44		0 6	bc	cp, rb	bc, bw
CAMDEN SQ. (British Rainfall)	74	82	4·1	61	41	38	0·5	bc	bc, or th	*
KENSINGTON PALACE	70	80	5·6	59	42	35	1·6	bc	0	*

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 23rd

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

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.

24th SEPT., at 1h. G.M.T.

THE MORNING OF TUESDAY, 24th SEPTEMBER 1918, at 7h. G.M.T.

EXPLANATION.

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

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

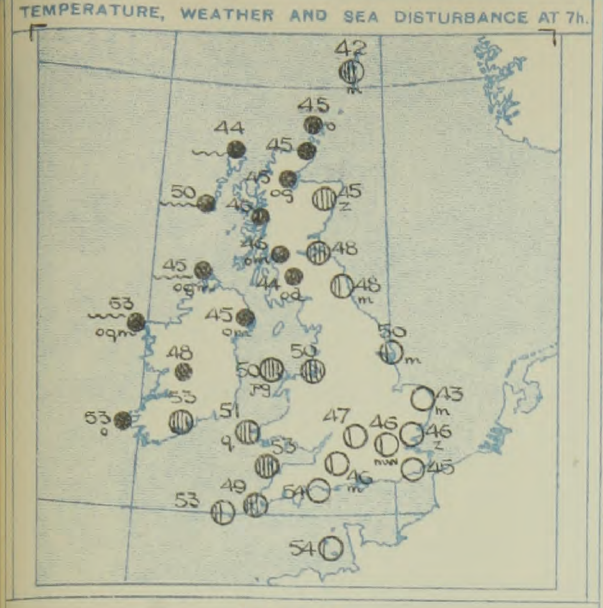
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

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

SEA DISTURBANCE.—Rough ~~~ High ~~~.

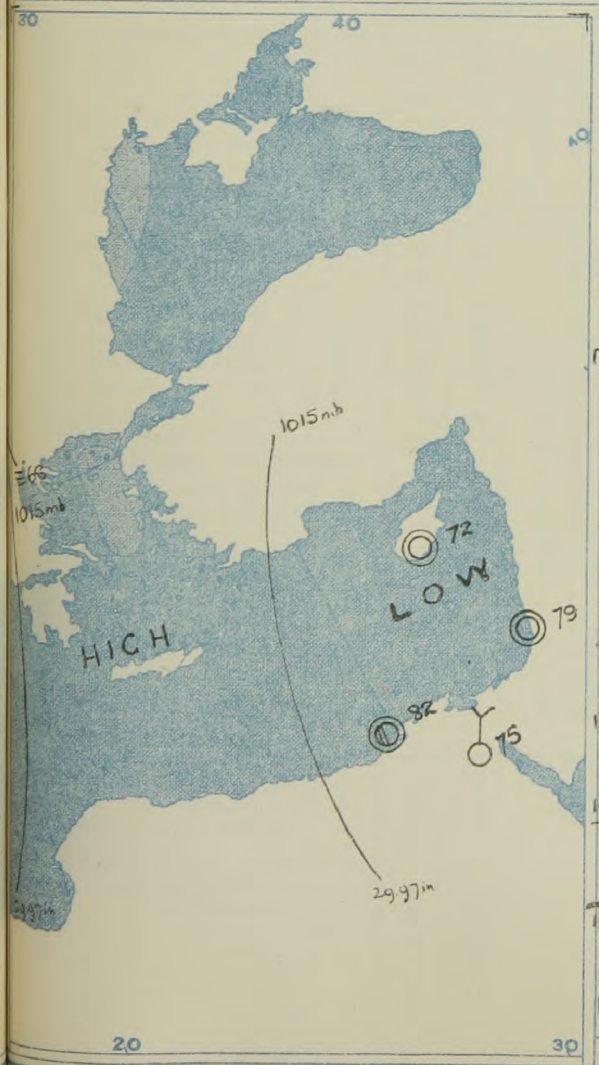
Scale 1 : 2 : 10⁷
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 575

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



GALES.

MALIN HEAD:
23rd 9h-24 N.W.8.



STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

Showery squally weather continued to prevail in the north of the country, but conditions were fairer in the south, where little rain fell, and fairly good sunshine duration was recorded. Night temperatures fell to 40° in several parts.

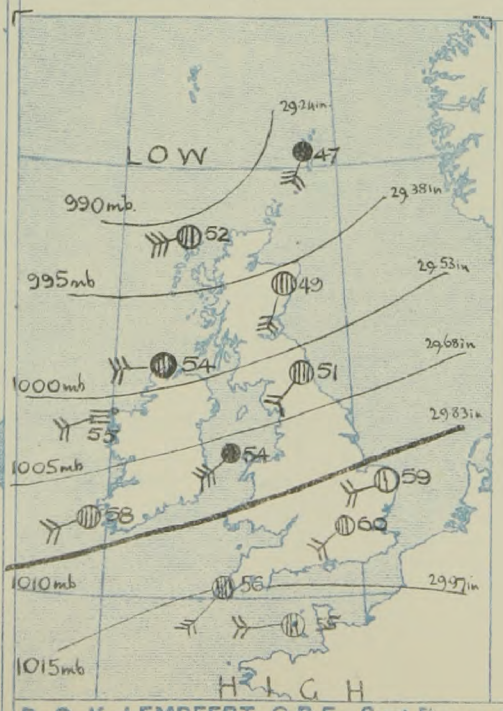
The Conditions at 7h.

A depression centred southward of Iceland is affecting our north western coasts, where the barometer is falling briskly. An anticyclone from the Azores region is spreading eastwards over the Bay and France, and the rise of pressure associated with this movement extends also to the south of England. Winds are strong from the S. on west and north-west coasts, and rain is falling very generally in Scotland and Ireland. In the south-east of this country weather is fine, and winds are light from the NW. or W.

The General Outlook

Under the influence of Atlantic depressions very disturbed conditions are likely to continue, particularly over the north of the country.

TUESDAY, 24th SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



A rise of pressure has now commenced in the west. The depression seems to be passing eastward beyond the north of Scotland.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 267. {TUESDAY 24th SEPTEMBER

	STATIONS	EVENING OF 23rd					MORNING OF 24th								24 HOURS ENDED 7 h 24th						Sunshine for 23rd
		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 ...	993·2	49	NW	3	cm	998·4	0	42	- 6	S	2	-	cm	2	4	52	39	cm p	cm	cm	*
	Deerness (Orkney)	994·6	50	NNW	4	c	998·3	*	45	- 3	SW	3	-	or	3	Trace	54	45	b, bc c	cp, c	ep	5·3
	Stornoway ...	999·6	48	N	6	cq	999·4	-7	44	- 4	S	6	-	r	5	9	54	44	cp, q	cq	c, p, o rq	3·1
	Castlebay (Barra Isd.)	1002·0	51	NW	5	op	995·6	-1	50	+ 3	S	5	-	r	6	4	55	46	r, bc, o, c	c, bc, op	o, p, c, or	4·7
	Glasgow ...	997·1	53	WNW	3	bc	1003·4	-2	46	+ 1	SW	3	-	omr	*	1	56	43	e, o, cv	e, bc v	bc, b, p	4·1
	Eskdalemuir ...	996·2	49	NW	2	bcm	1005·5	0	44	- 2	SW	3	-	od	*	6	54	41	o, c, op	op, cq	b, bc, w c	0·6
	Malin Head ...	1000·2	52	N	8	cmq	999·5	-7	45	- 5	SSW	5	-	omqr	5	3	53	45	cmq, p	cmq, p	omqr	3·3
	Blacksod Point	1008·4	49	N	6	cp	1000·6	-7	53	+ 6	S	9	-	omqr	6	2	53	44	bc, qp	c, qp	bc, omp	*
	Valencia (Cahirciveen)	1012·4	52	NNW	5	c	1010·7	- 3	53	+ 3	S	4	-	or	0	2	54	48	bc, q, by	c, q, p, h	c, o	7·9
	Roche's Point	1009·0	50	NW	5	b	1012·2	*	53	+ 6	SW	2	-	o	3	1	55	45	bc, p, bc	bc, p	b, o	*
	Birr Castle ...	1007·9	49	WNW	2	c	1007·5	*	48	+ 1	S	1	-	r	*	1	58	42	cp	c	c, or	6·7
	Donaghadee ...	999·2	52	NW	7	cmqp	1006·6	- 2	45	- 5	SW	3	-	omr	2	2	55	45	om, p, bq	bcm, qp,	q, pom	*
	Liverpool (Bidston)	997·9	51	W	4	r	1009·0	+ 3	50	+ 1	W	4	W	o	3	3	56	49	bc, op, q	p, bc, oq	o	1·9
	Holyhead ...	1000·4	52	NW	9	cqp	1009·2	0	50	- 3	W	4	-	opq	3	0·1	55	49	cp, cq	cq	e, q, bc, o	3·6
	Pembroke (St. Ann's)	1005·0	53	NW	5	bcq	1013·8	+ 4	51	0	W	4	NW	cq	4	2	55	47	o, q p, cq	cq, p	bc, q, cq	4·3
	Hartland Quay	1005·0	55	NW	6	cp q	1014·6	+ 4	53	- 1	WNW	4	-	o	4	2	56	50	o, pq	o, p q, oq	eo	*
	Scilly (St. Mary's)	1008·6	52	NW	7	bc	1016·5	+ 3	53	0	WNW	4	NW	bc	4	-	56	50	c, p q	cp, bc, p	bc	7·3
	Falmouth ...	1007·1	50	NW	4	c	1015·9	+ 4	49	- 1	NW	2	NW	c	*	5	56	47	bc, p, oq	c, p, o qh	o, c	4·0
	Jersey (St. Aubin)	1003·1	56	WNW	4	bc	1013·4	*	54	- 1	WNW	3	NW	b	3	1	60	52	bc	bc, q, bc	bc, p, bc	7·8
	Portland Bill ...	1001·7	55	NW	5	bc	1012·9	+ 9?	54	0	NW	4	-	b	4	1	56	52	bc w	bc, p	b	*
	Dungeness ...	998·6	56	WNW	3	c	1009·8	+ 5	45	- 8	NW	2	-	b	2	-	61	40	bc	bc	cb, b	*
	Wick	995·4	51	NW	3	opq	999·4	- 2	45	+ 3	WSW	2	-	r	2	2	56	40	bcm	bc, mop	bcm, op	*
	Nairn	996·3	52	W	2	cq	999·2	*	45	- 1	-	0	-	rqo	1	2	56	43	c, p q	p, r, cu	cu	2·7
	Aberdeen ...	994·6	51	NNW	2	c	1001·4	- 1	45	- 3	SSW	3	-	oq	2	2	56	41	eq, bc, o	op, c	c, bc, oq	0·7
	Leith	994·9	54	NW	3	c	1002·9	0	48	0	SW	2	-	g	2	2	50	44	cm, o, do	od, o, c	cu, eq, g	*
	Tynemouth ...	993·2	51	NW	2	cm	1005·0	+ 3	48	+ 1	W	3	-	bcm	2	-	57	45	oq, p	cm, p	bm	*
	Spurn Head ...	993·8	55	WNW	4	cq	1005·7	+ 3	50	+ 1	WNW	4	-	bm	4	-	57	47	cq	bc, cq	bm	5·2
	Yarmouth (Gorleston)	995·9	53	W	4	bc	1008·7	+ 5	43	- 8	WNW	2	-	bm	2	0·2	61	43	bc	bc, p	bc, bm	8·7
	Clacton-on-Sea	998·1	53	WNW	3	bc	1009·5	+ 5	46	- 7	WNW	3	-	bq	2	-	60	43	bc	bc	bc, bq	9·0
	Nottingham ...	994·7	52	W	3	cq	1009·3	*	46	- 2	WSW	1	-	bmw	-	1	56	44	ep, o	c	c, bc	5·6
	Benson (Oxon.) ...	999·5	53	WNW	3	bc	1011·1	+ 6	47	- 1	-	0	NW	b	*	1	59	43	bc	bc, p, bc	bc, bwm	*
	Sth Farnborough	1000·2	51	W	3	b	1011·2	+ 6	49	0	WNW	2	-	bc	*	1	61	41	bc, o	op, bc	b, bc	6·0
	Salisbury Plain	1001·4	51	WNW	3	b	1012·8	+ 5	46	- 2	WNW	2	-	bm	*	-	57	40	bc, c, od	bc, b	bc, o, cb	5·5
	London (Kew Obsy.)	994·7	54	W	1	c	1011·4	+ 4	46	÷ 4	WSW	1	-	b	*	1	59	43	bm, bc, eq	o, or, oc	eo, bc, bwm	5·7
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö	994·3	45	S	6	o	988·8	- 3	48	+ 5	S	6	-	r	4	*	48	34				
	Bodö	988·3	50	SW	5	o	993·5	+ 1	46	- 6	E	2	-	o	2	-	52	46				
	Christiansund ...	993·3	52	—	0	o	994·9	- 1	48	0	NE	3	-	c	2	1	55	46				
	Skudesnaes ...	994·3	50	—	0	c	998·1	+ 4	52	0	W	2	-	c	3	11	54	48				
	Færder (Christiania Fjord)	994·6	55	SSW	2	o	999·0	+ 1	55	+ 1	SSW	5	-	b	3	5	55	54				
	The Scaw (Skagen)	996·7	55	S	3	c	1001·1	+ 3	52	- 2	SW	2	-	bc	2	-	57	50				
	Blaavands Huk	998·6	57	SW	3	o	1005·1	+ 5	55	0	WSW	1	-	c	*	3	59	52				
	Copenhagen ...	1000·4	55	SW	1	o	1003·9	+ 2	55	- 4	WSW	2	-	m	*	1	59	54				
	Bornholm ...	1001·8	55	NNW	1	o	1004·4	+ 2	54	- 5	NW	2	-	o	o	7	63	52				
FRANCE, &c.	The Helder ...	996·4	57	SW	4	b	1005·4	+ 4	55	+ 3	WSW	4	-	c	2	1	59	50				
	C. Gris Nez ...	999·3	57	W	5	o	1010·3	+ 5	52	- 3	WNW	2	*	b	3	-	61	50				
	La Hève	1000·8	55	WNW	4	c	1012·8	*	54	0	NNW	3	*	c	-	1	61	50				
	Brest (St. Mathieu)	1008·4	54	NNW	6	c	1017·6	+ 1	54	- 1	NW	5	*	bc	-	1	59	48				
	Rochefort (Ile d'Aix)	1004·3	59	NNW	6	o	1015·1	+ 8	57	-	N	5	*	b	*	-	68	52				
	Biarritz	1006·3	54	NNW	6	o	1015·7	+ 5	55	- 6	SSW	1	*	bc	-	33	61	48				
	Paris	1001·1	57	W	2	b	1012·3	+ 7	48	-	-	0	NW	b	*	Trace	64	43				
	Belfort	1003·5	50	SW	1	r	1010·0	*	48	- 4	-	0	*	r	*	22	61	46				
	Lyons						1009·1	*	48	- 6	NNW	1	*	r	*	49	57	48				
	Nice	100·7	64	WSW	5	r	1001·6	+ 3	59	-	SW	1	*	o	-	4	77	55				
	Perpignan ...	1002·9	55	W	1	r	1009·2	+ 6	57	0	NW	3	-	o	*	1	70	52				
	Sanguinaire ...							*					*									
IBERIA, &c.	Corunna	1016·2	57	NNW	3	c	1024·6	+ 3	55		E	1	-	bc	5	1	64	52				
	Madrid														*							
	Lisbon																					
	Azores (Horta) ...	1030·0	*	NNE	5	m	1031·1	+ 1	64	- 4	NNE	4	*	o	2	-	73	64				
	,, (P. Delgada)	1027·9	*	NE	1	bc	1029·5	+ 1	64	- 2	ENE	3	*	c	3	1	72	64				
	Madeira	1021·1	73	NE	3	bc	1020·2	- 1	68	+ 2	NE	3	-	c	3	-	75	66				
	Gibraltar	1014·9	62	NW	6	b	1016·6	*	57	-10	NW	5	*	b	2	5	71	56				
	Palma																					
MEDITERRANEAN.	Algiers	1005·7	75	SW	5	o	1006·1	0	63	-14	SW	5	-	c	4	22	86	57				
	Malta	*	*	*	*	*	1009·2	+ 1	79	0	S	4	-	b	*	-	93	77				
	Salonica	1015·2	71	S	1	b	1015·8	+ 2	68	- 5	NW	2	NE	m	*	-	83	66				
	Athens																					
	Candia																					
	Limassol	*	*	*	*	*	1011·4	0	72	- 1	-	0	-	b	-	-	88	61				
	Alexandria ...	1012·0	74	N	1	b	1012·6	+ 2	82	+ 3	-	0	NE	bc	-	-	86	72				
	Cairo (Helwan) ...	1010·7	79	N	2	b	1012·2	+ 3	75	+ 3	NE	2	-	b	-	-	88	68				
	Jerusalem ...	?	66	NW	3	b	?	+ 2	72	+ 6	-	0	-	b	*	-	81	61				
	Ramleh	1010·9	77	NNW	1	b	1011·5	+ 1	79	0	-	0	-	b	*	-	86	66				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

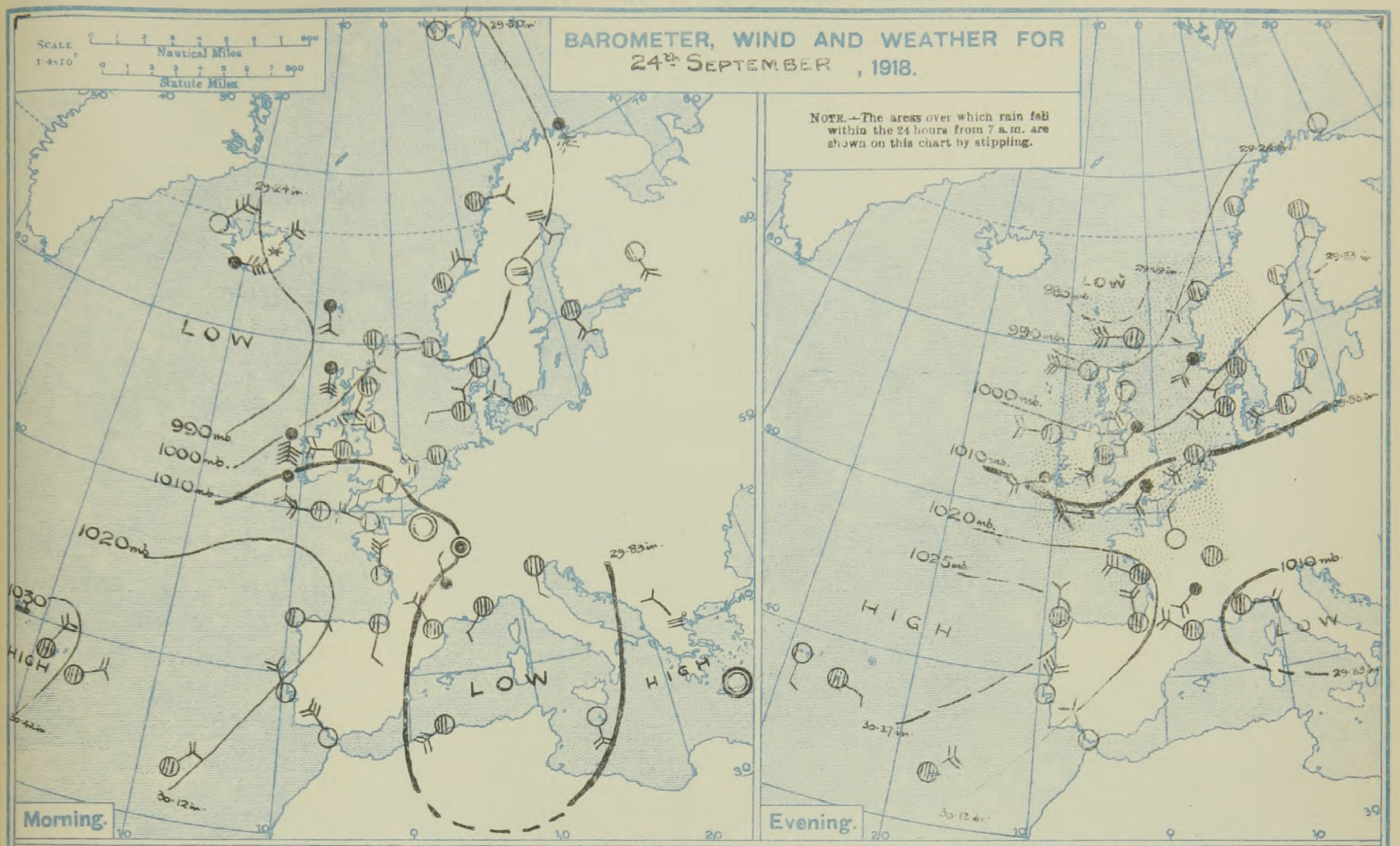
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20761. WEDNESDAY, 25th SEPTEMBER, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 24th SEPTEMBER

	STATIONS.	Evening of 23rd: Barom. Millibars at M.S.L.	Evening of 23rd: Temp.	Evening of 23rd: Wind Direc.	Evening of 23rd: Wind Force 0–12.	Evening of 23rd: Weather.	Morning of 24th: Barometer. Millibars at M.S.L.	Morning of 24th: Barometer. Change in 3 hours.	Morning of 24th: Temp. Dry Bulb.	Morning of 24th: Temp. Change in 24 hours.	Morning of 24th: Wind. Direc.	Morning of 24th: Wind. Force 0–12.	Morning of 24th: Weather.	Morning of 24th: Rainfall. Millimetres.	Morning of 24th: Temp. Max.	Morning of 24th: Temp. Min.
			°F.					‡	°F.	°F.					°F.	°F.
RUSSIA.	Archangel ...															
	Petrograd ...															
	Moscow															
SWEDEN.	Hernösand ...						1000·4	×	46	−6	−	0	f	×	×	×
	Stockholm ...						1001·9	×	52	−3	SSW	2	r	×	×	×
	Wisby						1001·3	×	54	−1	WSW	2	0	×	×	×
ITALY.	Venice	999·3	63	−	0	0	1004·6	×	64	0	ENE	1	0	29	77	63
	Turin						999·3	×	59	−4	−	0	0	10	66	59
	Pesaro						991·8	×	73	0	−	0	0	−	91	70
	Leghorn ...						1003·9	×	68	−1	S	2	0	26	81	64
	Rome	1004·9	44	SSE	4	0	1005·0	×	45	−2	W	1	0	?	?	?
	Viesti	1004·9	83	SSW	2	bc	1008·2	×	49	+2	ESE	2	bc	−	90	79
	Brindisi	1011·7	?	SW	2	f	1010·1	×	43	+1	S	2	bc	−	94	41
	Cagliari							×								
	Palermo	1009·1	?	ENE	2	f		×								
	Tripoli						1010·8	×	62	−11	NE	1	c	−	?	?

ICELAND.	Morning of 24th: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F.	°F.			
Isafjord ...	987·9	36	−6	NE	5	b
Reykjavik	981·5	36	+9	E	8	r
Vestmanna	983·1	36	+8	E	7	r
Seydisfjord	993·7	28	−4	NE	4	s
Thorshavn	991·8	42	−4	S	3	r

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

25th and 26th Sept 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·45	11·46	5·45
	5·46	11·44	5·42
Greenwich	5·52	11·52	5·52
	5·53	11·51	5·49
Wick	6·4	12·4	6·3
	6·6	12·3	6·0
Valencia	6·33	12·33	6·33
	6·34	12·32	6·30

LONDON

25th September 9h. G.M.T.

	Humidity. 15 h. 24th %	Humidity. 9 h. 26th %	Sunshine for 24th Hours.	24 Hours ended 9 h. 25th. Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	61	64	6·1	63	53	51	3·0	c	c	or
CITY (Bunhill Row)	×	×	4·9	×	×	×	×	×	×	×
WESTMINSTER (St. James's Park)	66	61	5·3	62	54	49	1·9	×	×	×
„ (Roof near Charing X) ..	?	?	4·9	61	54	−	1·4	bcm	bc, o	or, q, bc
CAMDEN SQ. (British Rainfall)	62	64	4·3	64	53	48	2·0	b	be, c	×
KENSINGTON PALACE	65	57	5·0	61	53	50	2·0	b	b	×

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

SOUTH KENSINGTON (M.O.)

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

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

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.

25th SEPT., at 1h. G.M.T.

THE MORNING OF WEDNESDAY, 25th SEPTEMBER 1918, at 7h. G.M.T.

LOW
HIGH
LOW
LOW
HIGH
HIGH
LOW

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

Barometer falling
Barometer rising
Barometer changing little

EXPLANATION.

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

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

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

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

SEA DISTURBANCE.—Rough ~~ High ~~

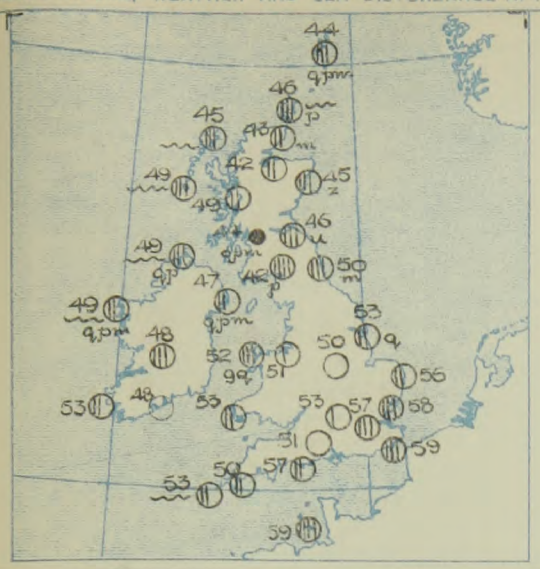
SCALE 1 : 2 : 10
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea.

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

Scale of Tints for SEPTEMBER.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

Showery or rainy weather continued over the whole country, though the rainfall measurements were in most cases below 5 mm. Yarmouth reported 7.5 hours of sunshine, and Clacton 8 hours. The records at stations in other parts of the country were very poor. Temperature rose to about 55° in Scotland, and to 60° in England.

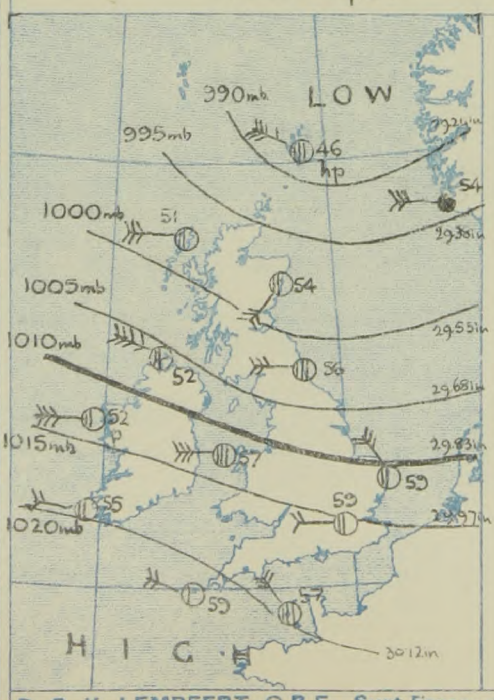
The Conditions at 7h. Today

A depression lies to the north of Scotland, and an anticyclone extends from the Azores towards our south-west coasts. Between these two systems a gradient for strong Westerly winds covers the British Isles; force 6 is reported at many western stations. A V-shaped secondary depression has passed across England during the night and now lies over the Southern North Sea. It is causing strong S. or SW. winds in Holland, with general rain in that region. Over the British Isles weather is now fair, but with showers at many stations. Pressure has risen considerably during the past 24 hours over the south-east of France.

The Outlook

There are at present no certain indications of any fresh disturbance, but with the unsettled conditions prevailing, further depressions are likely to arrive from the Atlantic, and cause a continuance of unsettled, windy weather over the British Isles.

Wednesday, 25th SEPTEMBER, 1918, at 13h. (1p.m.) G.M.T.



The barometer is still rising generally but the rise has become less brisk at Valencia. There are still no definite indications of the approach of any fresh depression to our coasts.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 268. WEDNESDAY 25th SEPT.

	STATIONS.	EVENING OF 24th					MORNING OF 25th									24 HOURS ENDED 7 h. 25th						Sunshine for 24h
		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.				Hours.
BRITISH ISLANDS.	Lerwick ...	987·6	48	W	6	cpm	987·6	+1	44	+2	WNW	4	-	cmp,q	3	3	48	40	cr	bc,pm	cmp,q	*
	Deerness (Orkney)	989·5	49	WSW	5	cp	990·8	*	46	+1	SW	2	W	pc	5	9	52	43	op,r	r,o,pc	c,pc	0·4
	Stornoway ...	991·4	49	W	6	cpq	992·3	0	45	+1	SW	6	-	c	5	4	55	42	or,cp,q	c,p,q	bc,c,pq	2·3
	Castlebay (Barra fsd.)	996·6	49	W	5	o	996·3	0	49	-1	W	6	-	c	5	2	56	45	r,o,c,o	o,c,op	p,bc,pc	3·1
	Glasgow ...	998·4	52	WSW	5	bc	1001·5	+2	44	-2	WSW	4	-	omp	*	4	54	43	om,or,q	omr,bc	c,b,op,q	0·5
	Eskdalemuir ...	999·5	51	W	4	bc	1003·4	+2	42	-2	WSW	5	-	op	*	11	54	42	od,or,m	odm,o,e	bc,o,pq	0·0
	Malin Head ...	999·7	53	WSW	5	bcmq	1001·6	+2	49	+4	WSW	6	W	c,qp	6	8	55	45	cmq,p	cmq	cqp	0·8
	Blacksod Point	1004·2	52	W	4	bcq	1009·0	+4	49	-4	W	6	W	bc,mqp	6	3	55	45	ome	em,p	cq,pq,p	*
	Valencia (Cahirciveen)	1009·2	56	WSW	4	od	1016·0	+5	53	0	WNW	4	NW	bc	4	3	58	52	or,p	op,d	bc,c	0·0
	Roche's Point	1008·3	59	W	3	oq	1014·9	*	48	-5	W	3	-	b	3	1	64	47	do	o,c,op,q	c,b	*
	Birr Castle ...	1006·3	56	SW	1	od	1011·1	*	48	0	SW	1	-	c	*	1	60	47	od,r	od,o	cp	0·0
	Donaghadee ...	1001·8	54	W	3	cqmp	1004·0	+3	47	+2	W	5	W	bc,mqp	4	8	57	45	omr,cq	cmq,p	bcm,p	*
	Liverpool (Bidston)	1003·9	57	SW	3	c	1007·2	+2	51	+1	W	6	W	b	4	1	58	50	or	opq	c,bc,q	0·0
	Holyhead ...	1004·2	57	SW	4	omq	1009·4	+2	52	+2	W	6	NW	cqg	4	3	58	49	omq,dm	od,c,o,f	op,d,cb	0·0
	Pembroke (St. Ann's)	1008·2	56	WSW	4	or	1013·4	+4	53	+2	W	5	NW	bc	4	6	56	51	cq,od,r	oqm,r	or,c,bc	0·1
	Hartland Quay	1010·3	58	SW	6	odf	1015·2	+5	55	+2	WNW	5	-	bc	4	7	58	53	o,od,pm	orm	dm,op,o	*
	Scilly (St. Mary's)	1013·2	57	W	5	fd	1017·5	+4	53	0	WNW	4	NW	bc	5	1	57	50	bc,c,om	omr,f,d	c,bc	0·7
	Falmouth ...	1011·4	56	SW	6	odq	1016·1	+5	50	+1	NW	4	-	bc	*	3	58	48	c,o	oe,d,p,q	oe,c,bc	1·5
	Jersey (St. Aubin)	1016·3	58	WSW	4	o	1014·4	*	59	+5	W	5	-	o	3	4	60	53	bc,bc,o	o,bc,o	oq,ro	2·0
	Portland Bill ...	1012·5	56	WSW	6	gr	1012·1	+3	57	+3	WNW	5	NW	bc	4	3	58	53	bc,c	cr	o,ep	*
	Dungeness ...	1011·6	57	SW	5	c	1008·5	+2	59	+14	WSW	4	SW	c	4	3	61	44	bc	c,bc	c,or,o,c	*
	Wick	991·7	47	SW	2	bcm	993·1	+1	43	-2	SW	3	-	bcm	2	1	56	42	op,q	op,bcm	bc,mpq	*
	Nairn	992·6	50	W	1	bcq	994·6	*	42	-3	W	1	-	bc	1	4	57	42	r,d,q,bc	cp,r,q	c,q,pu	4·1
	Aberdeen ...	994·3	51	SW	3	bq	996·9	+1	45	0	SSW	3	SW	cq	3	3	55	42	oq,r,q	c,bc,bq	bc,q,c	3·5
	Leith	996·7	55	SW	3	c	999·8	+1	46	-2	SW	4	SW	cu	3	4	57	46	o,ro	o,cq,u,c	cq,c,pc	*
	Tynemouth ...	999·9	53	SW	2	omd	1002·6	+1	50	+2	W	2	-	cm	2	5	54	48	omr	om	bcm	*
	Spurn Head ...	1003·9	52	SSW	5	bcq	1005·6	+1	53	+3	W	2	-	bcq	4	1	57	49	oq	om,bc,q	bcq	3·7
	Yarmouth (Gorleston)	1009·4	58	W	4	c	1007·9	+2	56	+3	NW	2	-	bc	2	3	62	43	bm,bc	bc,c	oq,p,bc	7·5
	Clacton-on-Sea	1010·7	57	WSW	4	oq	1007·6	+3	58	+12	W	3	W	c	2	2	62	45	b,bcq	bcq,oq	oq,r,c	8·0
	Nottingham ...	1006·8	53	SW	3	o	1008·1	*	50	+4	SW	2	-	b	*	1	58	45	c,op	op	op	1·8
	Benson (Oxon.) ...	1010·2	52	SSW	4	o	1009·6	+6	53	+6	WNW	3	-	b	*	2	60	47	b,bc,o	or,o	o,ro	*
	Sth Farnborough	1012·6	53	SW	5	od	1009·9	+4	56	+4	W	5	-	bc	*	3	62	48	b,o	o,c,od	d,ro,rbc	5·1
	Salisbury Plain	1011·6	53	SW	4	oq	1011·4	+5	51	+5	W	4	W	b	*	2	57	45	b,bc,od	od,r,do	o,rdq,b	4·1
	London (Kew Obsy.)	1011·7	56	SSW	3	ro	1009·5	+5	57	+11	W	3	-	e	*	2	61	46	bmr,bq	cq,c,or	or,o,or,oc	5·2
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö															*						
	Bodö	991·4	50	-	0	bc	987·0	-2	48	0	E	1	-	bc	1	?	54	43				
	Christiansund ...	991·9	48	SW	2	c	987·8	+2	50	-2	WNW	3	-	c	3	1	50	46				
	Skudesnaes ...	995·9	50	SSW	4	r	993·9	+1	50	-5	W	5	-	c	3	5	54	50				
	Færder (X'tania Fjord)	999·5	55	SW	6	o	994·4	-1	55	0	SW	6	-	o	4	2	55	54				
	The Scaw (Skagen)	1002·1	55	SW	2	o	997·9	-3	54	+2	SSW	4	-	r	4	1	59	52				
	Blaavands Huk	1006·6	55	WSW	3	o	1001·9	-1	57	+2	W	3	-	o	*	1	59	52				
	Copenhagen ...	1007·7	57	SW	3	b	1006·3	-1	55	0	SW	5	-	o	*	-	61	54				
	Bornholm ...	1008·4	54	WSW	3	c	1009·2	0	55	+1	SW	5	-	bc	1	-	57	52				
FRANCE, &c.	The Helder ...	1009·7	57	SW	4	c	1004·4	-5	55	0	SSW	7	-	r	4	7	61	55				
	C. Gris Nez ...	1013·0	54	WSW	5	o	1008·8	-2	57	+5	WSW	7	*	r	-	5	61	50				
	La Hève	1016·4	54	W	5	c	1011·7	*	55	+1	WSW	4	*	r	-	3	61	54				
	Brest (St. Mathieu)	1018·4	55	SW	4	r	1018·1	+3	57	+3	E	4	*	c	-	6	61	54				
	Rochefort (Ile d'Aix)	1020·6	59	NW	5	o	1017·0	-2	61	+4	SW	3	*	c	*	-	63	57				
	Biarritz	1020·4	59	NNW	4	c	1019·9	0	55	0	SE	3	*	o	-	5	63	54				
	Paris	1016·3	55	-	0	bc	1016·0	-1	52	+4	SSE	3	-	o	*	-	63	46				
	Belfort	1015·9	54	-	0	o	1020·0	*	50	+2	-	0	*	c	*	4	59	46				
	Lyons	1016·4	50	SW	3	r	1019·1	*	50	+2	NW	3	*	b	*	3	55	48				
	Nice	1007·8	61	E	4	c	1007·4	-5	63	+4	E	4	*	o	-	5	64	55				
	Perpignan ...	1014·2	59	NW	4	c	1014·4	-3	57	0	NW	5	-	o	*	-	64	55				
	Sanguinaire ...							*					*									
IBERIA, &c.	Corunna	1025·5	61	N	2	o	1025·9	+1	59	+4	-	0	-	f	3	3	64	55				
	Madrid														*							
	Lisbon	1022·1	61	NNE	5	b	1023·0	0	57	+2	NNE	4	-	b	5	-	64	52				
	Azores (Horta) ...	1029·9	*	S	1	b	1029·7	+1	64	0	-	0	*	o	1	?	77	64				
	,, (P. Delgada)	1029·1	*	E	1	o	1029·3	+1	64	0	NE	1	*	c	3	-	70	64				
	Madeira	1022·4	72	NE	4	o	1020·3	-1	68	0	NE	4	-	bc	4	-	77	68				
	Gibraltar	1018·3	65	NW	2	b	1017·9	*	58	+1	N	3	*	b	1	-	73	56				
	Palma																					
MEDITERRANEAN.	Algiers	1010·9	57	W	4	r	1011·0	0	66	+3	WNW	4	W	c	1	43	66	54				
	Malta	*	*	*	*	*	1010·3	+3	77	-2	SSE	5	-	bc	2	-	84	75				
	Salonica	1016·3	72	-	0	b	1018·2	+4	67	-1	SSE	1	-	m	*	-	73	65				
	Athens																					
	Candia																					
	Limassol	*	*	*	*	*	1012·3	+1	75	+3	-	0	-	b	-	-	89	63				
	Alexandria ...	1013·1	77	N	2	b	1014·6	+2	77	-5	-	0	N	bc	-	-	88	73				
	Cairo (Helwan) ...	1011·7	81	N	3	b	1013·2	+2	75	0	N	2	-	b	*	-	91	72				
	Jerusalem ...	?	70	SW	3	b	?	+1	70	-2	NNW	2	-	b	*	-	84	60				
	Ramleh	1011·5	77	NNW	2	b	1013·3	+2	81	+2	-	0	-	bc	*	-	86	68				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

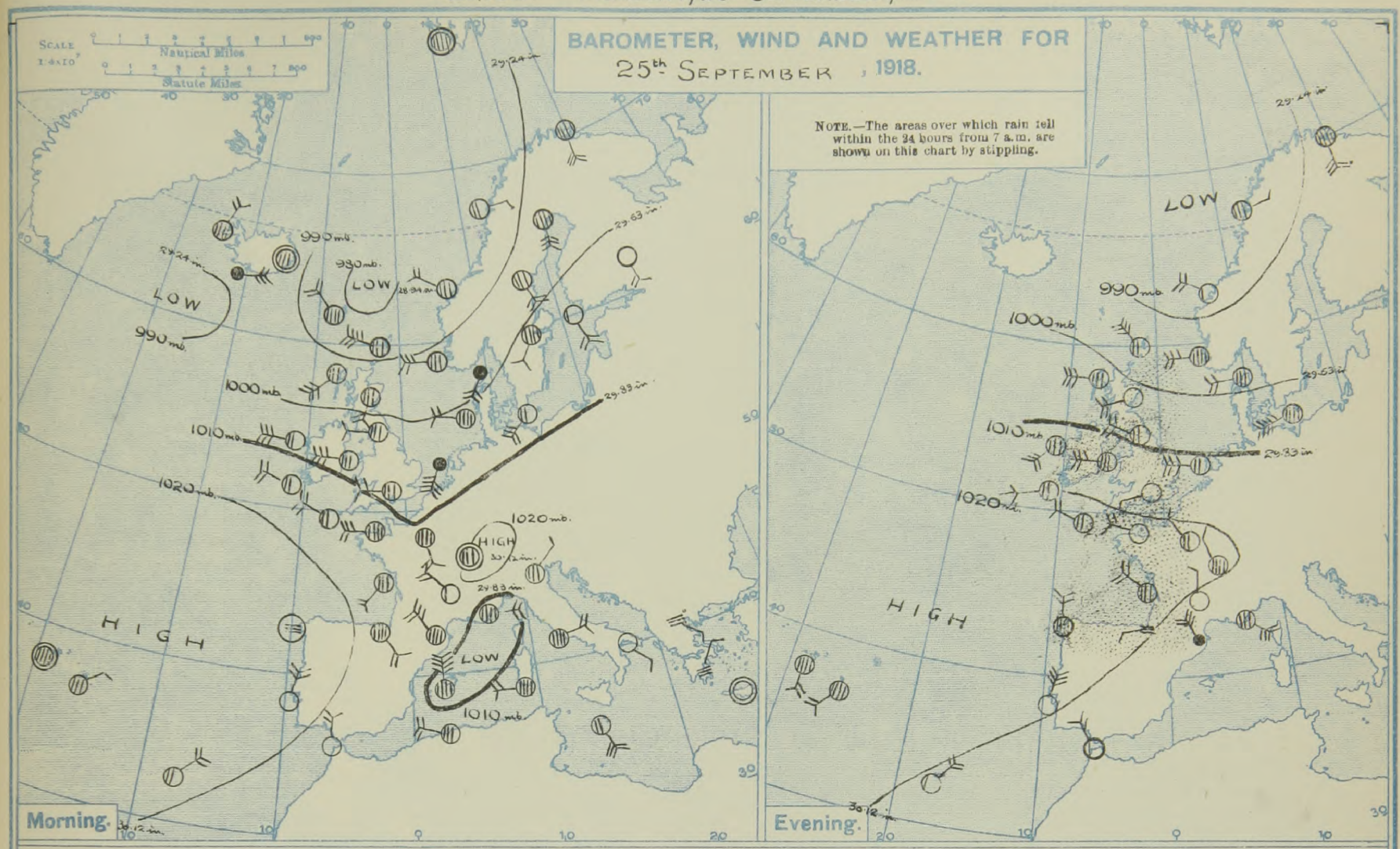
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20,762. THURSDAY, 26th SEPTEMBER, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 25th SEPTEMBER

	STATIONS.	Evening of 24th: Barom. Millibars at M.S.L.	Evening of 24th: Temp. °F.	Evening of 24th: Wind Direc.	Evening of 24th: Wind Force 0–12.	Evening of 24th: Weather.	Morning of 25th: Barometer. Millibars at M.S.L.	Morning of 25th: Barometer. Change in 3 hours. ‡	Morning of 25th: Temp. Dry Bulb. °F.	Morning of 25th: Temp. Change in 24 hours. °F.	Morning of 25th: Wind. Direc.	Morning of 25th: Wind. Force 0–12.	Morning of 25th: Weather.	Morning of 25th: Rainfall. Millimetres.	Morning of 25th: Temp. Max. °F.	Morning of 25th: Temp. Min. °F.
RUSSIA.	Archangel ...														×	
	Petrograd ...															
	Moscow														×	
SWEDEN.	Hernösand ...	946·7	50	S	2	b		×						×	×	×
	Stockholm ...	1002·7	52	S	2	b		×						×	×	×
	Wisby	1005·3	54	SSW	2	bc		×						×	×	×
ITALY.	Venice	1011·0	64	NNE	1	0	1014·6	×	70	+6	NE	1	c	17	70	63
	Turin	1011·5	63	-	0	r	1018·7	×	59	0	-	0	r	21	66	57
	Pesaro						1013·3	×	70	-3	W	1	0	-	82	64
	Leghorn ...	1009·3	66	-	0	0	1010·1	×	70	+2	NE	1	bc	23	73	64
	Rome	1008·1	75	S	3	0	1010·2	×	82	+7	E	3	0	-	84	77
	Viesti	1008·1	79	SE	2	b	1013·0	×	75	-4	SE	1	b	-	84	70
	Brindisi	1013·8	75	SSE	2	b	1014·5	×	66	-7	SSE	2	f	?	91	66
	Cagliari							×								
	Palermo						1015·1	×	88	-	ENE	6	0	-	99	66
	Tripoli							×								

Morning of 26th

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.
Isafjord ...	993·0	37	+1	NNE	3	0
Reykjavik	990·9	36	0	ESE	2	b
Vestmanna	990·4	37	+1	E	5	r
Seydisfjord	991·9	30	+2	-	0	c
Thorshavn	980·6	41	-1	NW	4	0

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

26th and 27th Sept. 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·46	11·44	5·42
	5·48	11·44	5·40
Greenwich	5·53	11·51	5·49
	5·55	11·51	5·47
Wick	6·6	12·3	6·0
	6·9	12·3	5·57
Valencia	6·34	12·32	6·30
	6·36	12·32	6·28

LONDON 26th September 9h. G.M.T.	Humidity. 15 h. 25th %	Humidity. 9 h. 26th %	Sunshine for 25th Hours.	24 Hours ended 9 h. 26th: Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	53	68	8·5	62	45	36	-	b, bc	b, bc	b, bw
CITY (Bunhill Row)	×	×	8·4	×	×	×	×	×	×	×
WESTMINSTER (St. James's Park)	55	75	9·1	63	46	40	-	· × ·	· × ·	· × ·
" (Roof near Charing ×)	?	?	7·7	?	?		-	bc	bc, b	bm, be
CAMDEN SQ. (British Rainfall)	51	75	7·1	65	44	40	-	b	b, bc	×
KENSINGTON PALACE	49	67	8·9	63	46	37	-	b	b	×

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

SOUTH KENSINGTON (M.O.)

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

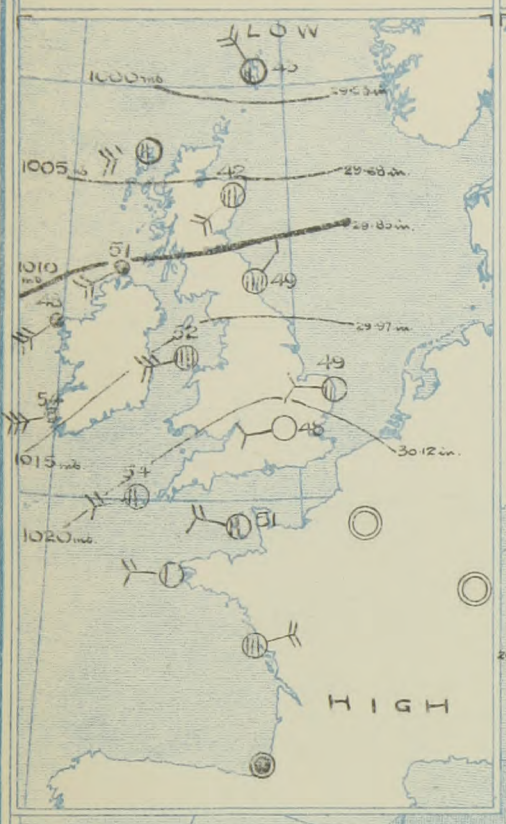
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.

‡ The barometric change is expressed in half-millibars.

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

26th SEPT., at 1h. G.M.T.

THE MORNING OF THURSDAY, 26th SEPTEMBER 1918, at 7h. G.M.T.



EXPLANATION.

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

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

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

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

WEATHER.—Shown by the following symbols:—

○ clear sky. ◑ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling. ✕ snow. ▲ hail. ≡ fog. ≡° mist. T, thunder. T_R, thunderstorm.

SEA DISTURBANCE.—Rough ~~~ High ≈≈≈.

SCALE 1 : 2×10^7

Nautical Miles 0 1 2 3 4 500

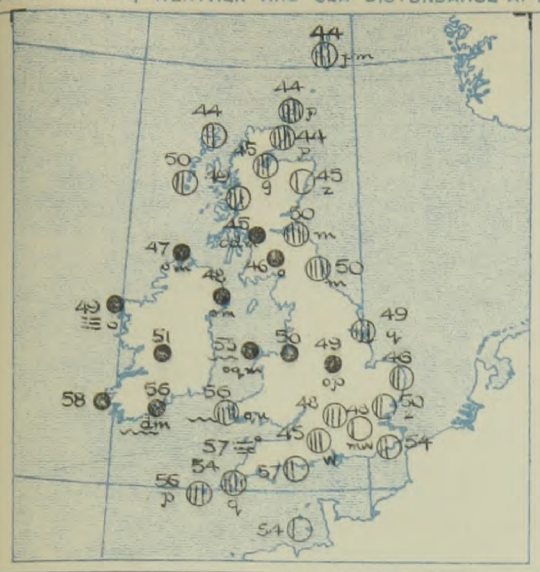
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea

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

Scale of Tints for SEPTEMBER.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



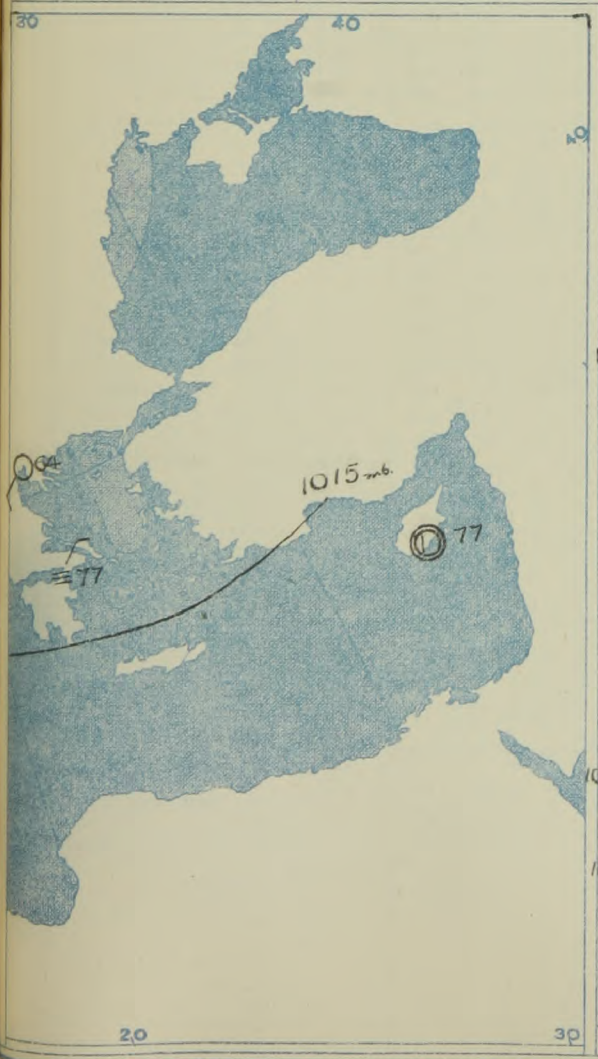
GALES.

LERWICK: 25th, 15-18h. N.W.8.

LANGHOLM: 25th, Gusts W. 23 m.p.s. at 12h.

MALIN HEAD: 25th, 9-17h. W.N.W.8.

LOUGH FOYLE: 25th, 7-18h. W.N.W. 10 at 11h. Gust 34 m.p.s.



STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

Showers again fell in the north and west, but over the country as a whole weather was finer than on the preceding day, with good sunshine measurements. Temperature reached 50-55° in Scotland, and a little over 60° in parts of England.

The Conditions at 7h. Today

Pressure remains high over the Azores, and a high pressure belt extends to France. Depressions are shown in the north over Iceland and off the Norwegian coast. A secondary depression is developing over Ireland, and is causing rainy weather over the central parts of the British Isles. In the north and south conditions are fairer.

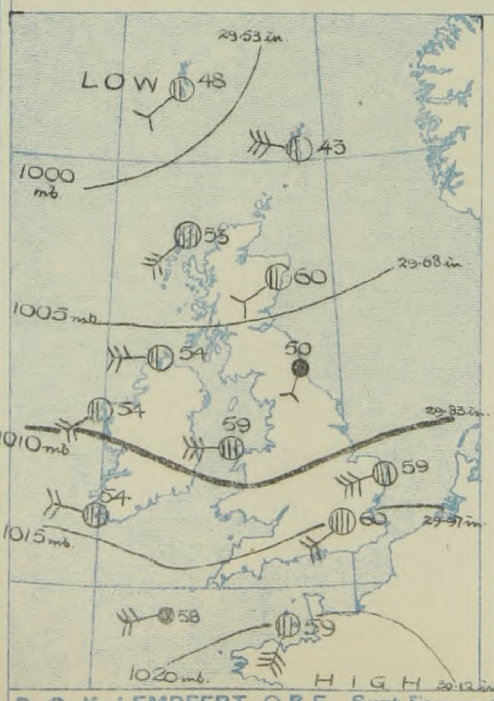
Between the low pressure in the north and the high in the south a general W. or SW. current extends over the British Isles and the North Sea, fresh or strong in force, but this current is interrupted in the north of Ireland by the secondary developing in that region.

The Outlook

A continuance of very disturbed conditions with strong winds is anticipated.

H. H.

THURSDAY, 26th SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



Although a slight rise of the barometer has set in in the west the wind does not veer. A continuance of cyclonic conditions is to be expected.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn.

H. G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 269.

THURSDAY
26th SEPT.

	STATIONS	EVENING OF 25th					MORNING OF 26th								24 HOURS ENDED 7 h 26th						Sunshine for 25th
		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 ...	993·5	44	NW	4	bcqp	998·9	0	44	0	WNW	7	W	cmp	5	6	48	40	cqph	bcqp	cmq,p	
	Deerness (Orkney)	998·3	46	WNW	4	c	1002·0	*	44	-2	W	4	-	op	3	2	50	43	cp,o	op,c	c,p,o	3·1
	Stornoway ...	1001·8	47	W	6	cpq	1003·2	-1	44	-1	SW	4	-	bc	4	8	53	42	c,bcq	cp,q	bcp,q	5·9
	Castlebay (Barra Isd.)	1007·0	50	W	5	cp	1005·0	0	50	+1	W	3	W	bc	3	2	52	47	c,op	op,cp,c	c,op,bc	3·8
	Glasgow ...	1009·0	48	WSW	4	cm	1008·1	-3	45	+1	WSW	2	-	omd	*	7	52	44	bc r m b	cp q, cm	c,op,or	5·3
	Eskdalemuir ...	1011·0	46	WNW	5	op	1009·1	-3	46	+4	SW	4	-	or	*	3	51	42	op,c,o,bq	op q, bc	op,c,bo	6·3
	Malin Head ...	1009·7	51	W	7	cqp	1007·0	-2	47	-2	SW	3	-	omr	3	5	53	44	bc,qp,h	bc, qp	omr	6·1
	Blacksod Point	1014·1	50	SW	5	cm	1008·9	0	49	0	N	2	-	ofd	5	6	55	48	bcq, p	bc p	of r,fd	
	Valencia (Cahirciveen)	1019·9	54	WSW	2	c	1009·9	-1	58	+5	SW	5	-	odm	4	5	58	52	bc,c	bc,c	bc,or	4·2
	Roche's Point	1020·2	54	W	2	o	1011·6	*	56	+8	SW	5	-	dm	5	1	59	48	b,bc	bc,c,o	odm	
	Birr Castle ...	1016·3	51	SW	2	c	1006·3	*	51	+3	SW	2	-	r	*	11	57	47	c	c	c,or	8·2
	Donaghadee ...	1012·1	51	NW	6	cmqp	1008·7	-5	48	+1	SW	2	-	omr	1	1	56	46	bcmqy	bym,qp	empd	
	Liverpool (Bidston)	1015·6	53	W	5	c	1012·0	-4	50	-1	SSW	2	-	r	2	2	57	48	c,bc q	bc p q	c,or	8·5
	Holyhead ...	1016·1	55	W	5	cp	1009·1	-10	53	+1	SW	6	-	orqm	5	9	58	50	cq	cp	bc,orm	6·1
	Pembroke (St. Ann's)	1019·2	55	WSW	4	bcq	1014·2	-6	56	+3	SSW	6	-	oqr	5	Trace	56	52	bcq	bcq	o,eqp	9·6
	Hartland Quay	1021·6	57	W	4	b	1017·4	-3	57	+2	SSW	7	-	m	4	-	59	55	e,bc	b,bc	bc,c,o	
	Scilly (St. Mary's)	1023·0	55	WNW	3	bc	1019·7	-2	56	+3	WSW	5	W	cp	4	-	59	52	bc,b	bc	b,bcc	8·8
	Falmouth ...	1022·5	54	WNW	3	bz	1019·6	-2	54	+4	SW	6	SW	cq	*	-	61	48	bc	bc,bz	b,bc	9·9
	Jersey (St. Aubin)	1021·8	57	WNW	3	b	1022·9	*	54	-5	WSW	3	SW	b	2	Trace	62	52	op,b	b	b	8·7
	Portland Bill ...	1020·6	57	WNW	4	b	1020·0	-1	57	0	WSW	5	-	bc	4	-	60	52	bc	bc	bc	
	Dungeness ...	1018·4	57	W	3	b	1020·3	-1	54	-5	WSW	3	W	bc	3	-	64	46	c,bc	bc	b,bc	
	Wick	1000·1	48	WNW	3	omp	1003·3	0	44	+1	WSW	3	-	bc	2	5	50	38	bcm,op	omp,q	o,bc,pq	
	Nairn	1003·1	45	W	4	cqr	1004·5	*	45	+3	W	1	-	cq	1	4	54	41	bcp q	p,r q,c	cq,p	6·7
	Aberdeen ...	1003·1	49	WSW	4	b	1006·3	0	45	0	SSW	3	W	bz	3	0·3	55	41	bcpq,r	b qy,c	bz	7·8
	Leith	1007·1	50	W	5	c	1007·4	-1	47	+1	SW	2	-	c	2	2	54	45	cm,p q,c	o,c op,c	cq,cm,c	
	Tynemouth ...	1009·2	50	WNW	4	bcmq	1010·3	-2	50	0	SW	2	-	om	3	1	56	47	cmq,p	cm q	om	
	Spurn Head ...	1012·7	54	WNW	6	bcq	1013·9	-1	49	-4	SW	4	-	cq	4	-	57	46	bcq	bcq	bc,qc	7·5
	Yarmouth (Gorleston)	1015·3	54	NW	3	bc	1017·0	-1	46	-10	WSW	3	-	bc	3	-	61	44	bcq	bcq	b,bc	8·6
	Clacton-on-Sea	1016·9	57	WNW	3	bc	1019·0	0	50	-8	W	2	NW	bcz	2	-	62	47	bc,y	bc,y	b,bq	9·6
	Nottingham ...	1016·6	63	SW	2	c	1015·5	*	49	-1	SW	2	SW	op	*	Trace	60	45	bc,c	bc	c,bc	8·7
	Benson (Oxon.) ...	1018·0	53	WSW	1	b	1018·1	-1	48	-5	SSW	3	-	c	*	-	61	43	b,bc	bc	b	
	Sth Farnborough	1019·0	53	SW	3	b	1019·9	0	47	-9	SW	4	W	bc	*	Trace	62	42	b,bc	bc,b	bm,bw	10·2
	Salisbury Plain	1019·7	50	W	3	b	1019·6	0	45	-6	SE	1	SW	ew	*	-	59	42	b,bc q	bc y, b	b,o,b,bc	10·6
	London (Kew Obsy.)	1018·7	56	WSW	1	b	1019·8	0	48	-9	SW	2	W	bmw	*	-	61	44	c,bc,b,bq	bc,c	b,bmw	8·3
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö	991·4	46	S	5	o	991·8	+2	46	+3	-	0	-	c	2	*	46	39				
	Bodö	988·0	46	E	1	c	985·7	-1	46	-2	E	1	-	b	1	-	50	41				
	Christiansund ...	987·8	50	WNW	4	b	993·3	+6	46	-4	W	5	-	o	3	5	52	45				
	Skudesnaes ...	995·4	50	W	5	o	1001·9	+6	50	0	W	3	-	r	4	16	54	46				
	Færder (Christiania Fjord)	994·4	52	WSW	6	b	999·3	+3	50	-5	WSW	6	NW	b	4	-	55	48				
	The Scaw (Skagen)	998·0	52	W	4	c	1002·7	+3	52	-2	W	5	W	c	5	4	57	46				
	Blaavands Huk	1005·4	54	W	6	c	1011·4	+1	54	-3	WNW	6	-	o	*	5	59	50				
	Copenhagen ...	1004·3	52	SW	3	bc	1011·0	+4	50	-5	WSW	3	-	c	*	3	55	48				
	Bornholm ...	1004·4	52	WSW	10	o	1010·4	+4	52	-3	W	4	W	c	2	5	57	48				
FRANCE, &c.	The Helder ...	1013·6	57	W	6	bc	1017·2	0	55	0	WSW	3	-	c	2	10	59	55				
	C. Gris Nez ...	1018·9	59	WSW	3	b	1020·6	-2	54	-3	W	4	*	c	2	-	61	54				
	La Hève	1022·4	55	W	4	bc	1023·4	*	50	-5	SW	4	*	bc	-	Trace	61	50				
	Brest (St. Mathieu)	1024·4	57	NNW	3	b	1023·5	0	57	0	SW	3	*	b	-	-	59	55				
	Rochefort (Ile d'Aix)	1021·7	63	NW	4	c	1023·4	+1	54	-7	ENE	3	*	b	*	3	64	52				
	Biarritz	1021·1	61	WSW	1	f	1022·1	0	63	+8	N	3	*	o	-	8	66	41				
	Paris	1020·7	59	NW	2	c	1024·2	0	43	-9	SSE	1	-	bc	*	Trace	61	41				
	Belfort	1021·2	57	NW	1	o	1025·2	*	50	0	-	0	*	b	*	-	63	45				
	Lyons	1018·3	57	N	1	b	1023·0	*	52	+2	NNW	1	*	b	*	-	66	50				
	Nice	1011·8	77	SE	5	c	1017·3	+1	72	+9	-	0	*	bc	-	-	79	57				
	Perpignan ...	1014·4	59	NW	5	r	1018·6	+1	63	+6	W	4	-	o	*	4	61	55				
	Sanguinaire ...							*					*									
IBERIA, &c.	Corunna	1025·5	63	N	1	o	1026·0	+2	57	-2	-	0	-	c	3	1	64	54				
	Madrid	1014·9	66	N	4	c	1019·0	+3	61		ENE	1	-	b	*	-	68	54				
	Lisbon	1020·8	63	NNE	6	b	1018·9	+2	63	+6	NNE	4	-	b	5	-	72	57				
	Azores (Horta) ...	1030·7	*	-	0	o	1030·1	+1	64	0	NNE	1	*	c	1	-	75	64				
	,, (P. Delgada)	1029·0	*	SE	3	o	1029·0	+1	64	0	ENE	3	*	bc	5	-	73	64				
	Madeira	1019·9	73	NE	4	b	1020·7	0	66	-2	NE	4	NE	c	4	-	77	66				
	Gibraltar	1016·2	70	NW	3	b	1013·5	*	67	+9	NW	3	*	b	1	-	79	56				
	Palma																					
MEDITERRANEAN.	Algiers																					
	Malta	*	*	*	*	*	1013·0	+1	77	0	ESE	4	-	o	4	-	82	75				
	Salonica	1017·4	72	-	0	b	1019·0	+2	64	-3	SW	1	-	b	*	-	89	61				
	Athens	1017·1	73	SSE	1	f	1017·6	-1	74	+5	NE	1	r	f	-	-	86	70				
	Candia																					
	Limassol	*	*	*	*	*	1012·2	0	77	+2	-	0	-	b	-	-	88	63				
	Alexandria ...																					
	Cairo (Helwan) ...														*							
	Jerusalem ...														*							
	Ramleh																					

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

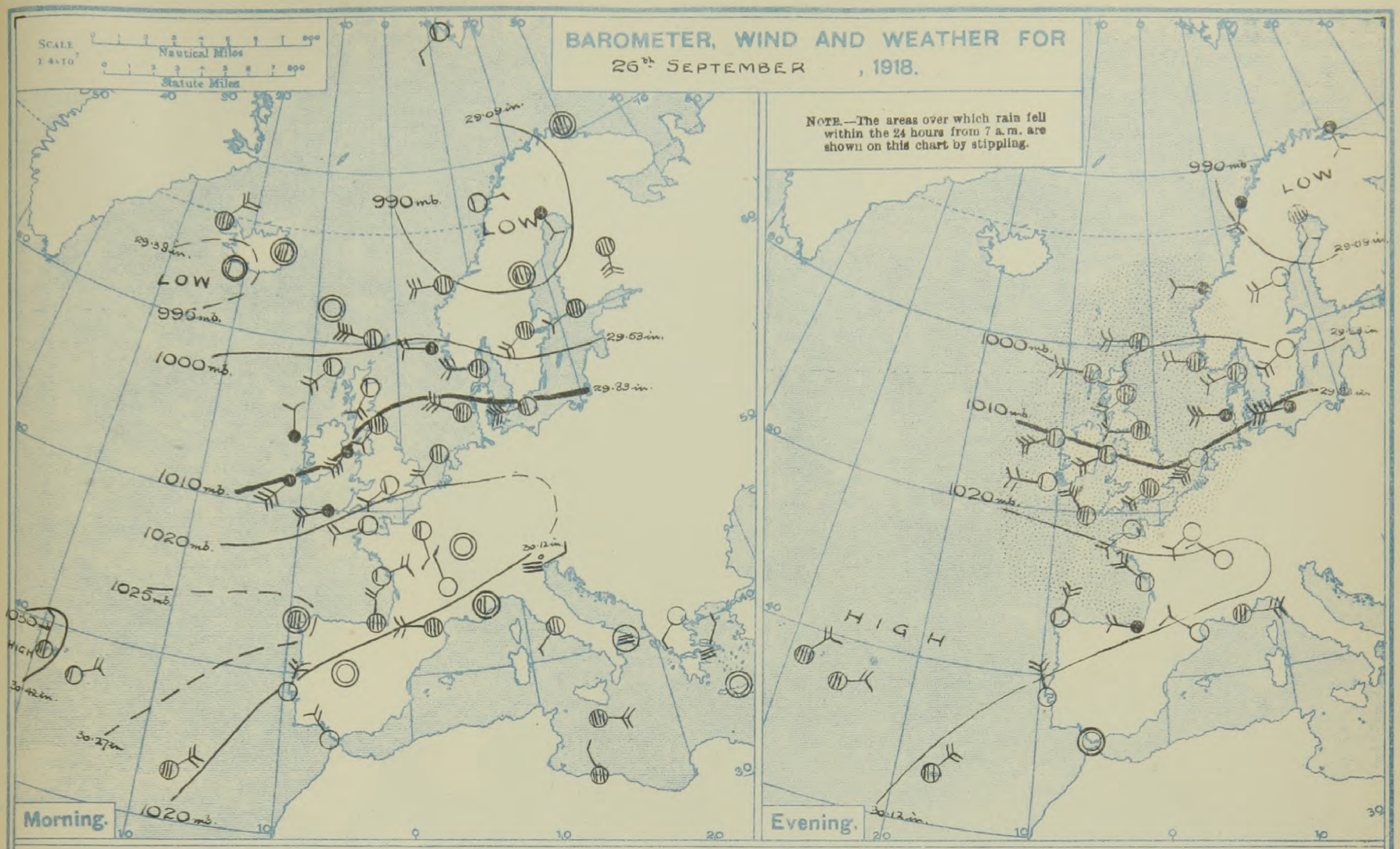
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20,763. FRIDAY, 27th SEPTEMBER, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 26th SEPTEMBER

	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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F.	°F.
RUSSIA.	Archangel ...														*	
	Petrograd ...															
	Moscow														*	
SWEDEN.	Hernösand ...						986·7	*	48	0	-	0	0	*	*	*
	Stockholm ...						995·7	*	48	−4	SW	4	0	*	*	*
	Wisby						1001·3	*	50	−4	W	8	bc	*	*	*
ITALY.	Venice						1018·7	*	66	−4	ENE	1	m	-	79	63
	Turin	1019·6	64	NNW	1	b	1020·3	*	59	0	-	0	b	3	70	57
	Pesaro	1017·8	72	-	0	0	1019·4	*	68	−2	-	0	b	-	77	64
	Leghorn ...						1017·8	*	72	+2	-	0	b	-	84	68
	Rome	1014·7	75	SSW	1	bc	1017·8	*	72	−10	SW	1	e	-	90	66
	Viesti	1015·5	81	SE	1	b	1018·5	*	73	−2	-	0	bc	-	?	?
	Brindisi	1018·6	75	SW	3	b	1019·5	*	68	+2	-	0	f	-	77	68
	Cagliari							*								
	Palermo	1010·9	82	NNW	2	0	1009·0	*	77	−11	-	0	0	8	?	?
	Tripoli						1017·4	*	?	-	NNW	1	0	-	99	66

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 ...	995·4	37	0	NE	6	o
Reykjavik	990 0	36	0	NW	4	o
Vestmanna	991·1	36	−1	-	0	b
Seydisfjord	997·2	28	−2	-	0	c
Thorshavn	996 2	34	−7	-	0	b

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

27th and 28th Sept 1918.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·48	11·44	5·40
	5·49	11·44	5·38
Greenwich	5·55	11·51	5·47
	5·56	11·51	5·45
Wick	6·9	12·3	5·57
	6·11	12·3	5·54
Valencia	6·36	12·32	6·28
	6·37	12·32	6·26

LONDON, 27th September, 9h. G.M.T.	Humidity. 15 h. 26th	Humidity. 9 h. 27th	Sunshine for 26th	24 Hours ended 9 h. 27th: Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	44	72	2·8	63	47	39	0·0	0	0, c	c, bc, w
CITY (Bunhill Row)	*	*	2·3	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	77	74	2·1	61	47	41	0·0	*	*	*
" (Roof near Charing ✕) ..	?	?	0·5	?	?	-	0·0	bc	c, od	og, bc, b
CAMDEN SQ. (British Rainfall)	75	79	1·1	61	45	40	Trace	b, bc	c	*
KENSINGTON PALACE	78	72	2·1	51	47	38	0·0	b	b	*

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

SOUTH KENSINGTON (M.O.)

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

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

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.

27th SEPT., at 1h. G.M.T.

THE MORNING OF FRIDAY, 27th SEPTEMBER 1918, at 7h. G.M.T.

LOW 44 1000 mb. 29·53 in. 1005 mb. 41 29·68 in. 1010 mb. 47 49 50 56 29·83 in. 1015 mb. 53 54 29·97 in. 1020 mb. 36 38 52 HIGH 30·12 in.

40 30 20 10 0 10 20 30 40 50 60

985 mb. LOW 29·09 in. 46 29·24 in. 990 mb. 29·38 in. 45

40°

1000 mb. 995 mb. 990 mb. 29·24 in. LOW 36 34 32 36 34 38

45 45 46 48 48 44 44 43 54 52 54 29·53 in. 29·68 in.

1005 mb. Barometer falling 47 46 1010 mb. 48 50 46 55 29·83 in. 50° 1015 mb. 52 48 29·97 in. 1020 mb. 53 55 54 Barometer rising slowly. 52 55 61 60°

1025 mb. 55 59 61 58 1015 mb. LOW 75 HIGH 64 63 80° 61 68 68

30·27 in. 30·12 in.

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

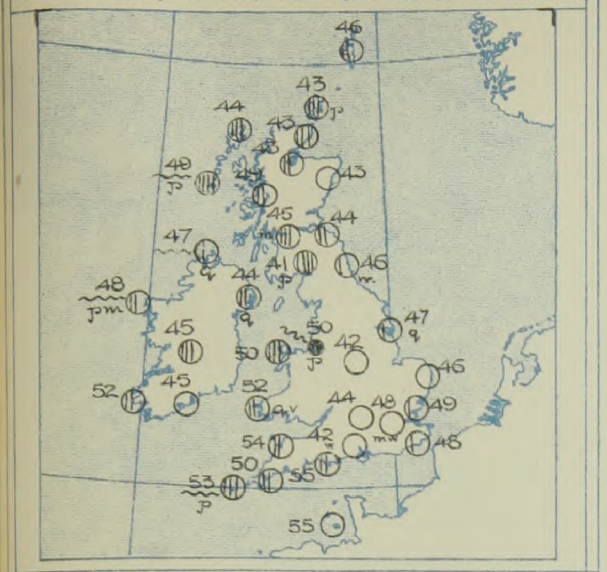
Normal Temperature of the Sea.

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

Scale of Tints for SEPTEMBER.

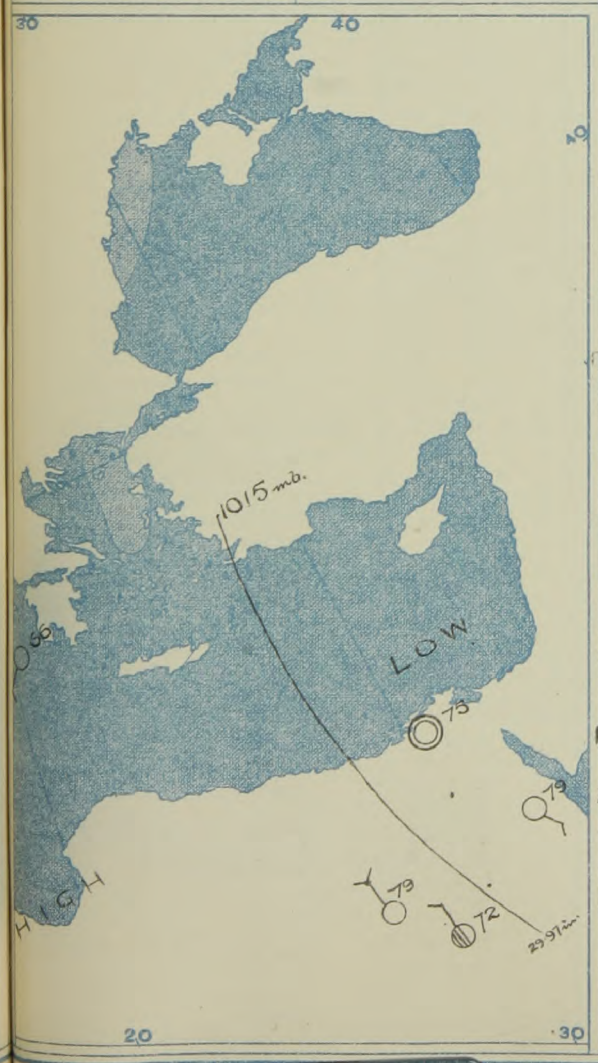
9 10

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

HOLYHEAD: 25th Gust 20 m.p.s. a.m. | HARTLAND POINT: 25th S.W.8 - 10-14h.
LOUGH FOYLE: N.W.8 at 17h. | PORTLAND BILL: W.S.W.8 - 14-20h.



STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

Weather continued showery, with slight rainfall measurements in the south, but up to 9 mm. in the north of the country. More than 6 hours of sunshine were recorded at a few stations in widely different regions, while at other places the day was almost overcast. Temperature showed little change from the preceding day. Night minima fell to a few degrees below 40° at some stations in the east.

The Conditions at 7h. Today

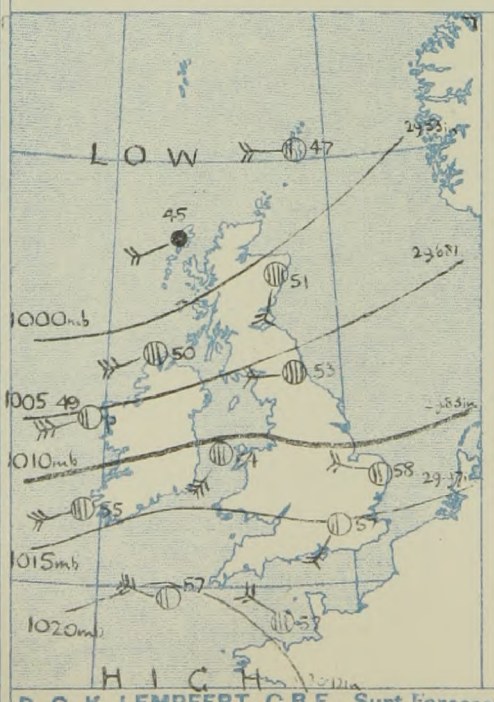
A large irregular-shaped depression lies between Iceland and Norway, and a high pressure ridge extends from the Azores to Central France. A secondary depression which is approaching our north-west coasts is giving showery weather in that part of the country, but elsewhere fair weather prevails. Winds are from about W. over the whole country, fresh in the west, but of moderate force in the east and over the North Sea. A gale is reported in the Southern Baltic.

General Outlook

It is probable that further depressions moving from the Atlantic will maintain Westerly winds and rather unsettled conditions over the British Isles.

A.W.

FRIDAY, 27th SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



The fall of pressure associated with the secondary approaching our north-western coasts has now spread over the greater part of the British Isles. Showery or rainy weather is likely to occur over all except the extreme south of the country.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 270.

FRIDAY 27th SEPT.

	STATIONS	EVENING OF 26th					MORNING OF 27th									24 HOURS ENDED 7 h 27th						Sunshine for 26th
		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 ...	999·7	44	W	4	c	994·3	0	44	0	W	4	W	bc	3	7	48	41	bcmq,p	bcp	cp,bc	*
	Deerness (Orkney)	999·3	48	SSE	3	o	999·0	*	43	−1	SW	4	W	cp	3	6	51	42	op,c,bc	bc c,o	op,o,c	5·1
	Stornoway ...	999·9	46	W	4	bcp	999·1	−2	44	0	SW	4	−	c	3	9	54	42	bc	bcp	bc,p	4·6
	Castlebay (Barra fsd.)	1003·6	50	W	5	cp	1001·9	−2	49	−1	WSW	5	−	op	5	3	52	46	bc,o	o,c,o,cp	cp,bcp	4·0
	Glasgow ...	1005·5	48	WSW	3	orm	1006·1	0	45	0	SW	3	W	crn	*	1	56	42	or,c,bc	c,op	c,b,bcp	3·5
	Eskdalemuir ...	1006·6	47	WSW	3	bcw	1008·3	0	41	−5	SSW	3	−	op	*	7	54	39	or,odm,o	r,cbr	bw,p	0·9
	Malin Head ...	1005·7	50	W	6	bcq	1005·3	−2	47	0	WSW	5	W	bcq	6	5	55	43	bcq	bcq,p	bcq,p	6·2
	Blacksod Point	1010·4	50	WSW	5	bc	1009·5	−4	48	−1	W	6	−	bcmp	5	4	55	45	bc	bcp	bp,bcp	*
	Valencia (Cahirciveen)	1016·1	54	W	4	b	1016·9	0	52	−6	WSW	4	W	bc	4	2	58	49	op,c	cp,bc	bc	4·6
	Roche's Point	1014·7	55	W	2	c	1017·3	*	45	−11	SW	2	−	b	2	0·4	60	45	do,c	c,bc,c	c,b	*
	Birr Castle ...	1012·2	51	W	1	c	1013·8	*	45	−6	SW	1	−	c	*	2	57	43	or,c	cp	cp,c	2·5
	Donaghadee ...	1018·1	51	W	4	cmqp	1009·9	0	44	−4	SW	5	SW	bcq	4	2	57	42	omr,bc	cq,bcm	bcmlq	*
	Liverpool (Bidston)	1009·0	53	W	3	c	1011·6	+1	50	0	WSW	6	W	b	5	6	63	48	+0	c,o	bcpq	1·5
	Holyhead ...	1010·0	55	WSW	4	bc	1012·3	0	50	−3	WSW	5	NW	c	4	6	61	49	or,cpq	op,c,b	c2b,bc	2·7
	Pembroke (St. Ann's)	1013·6	56	W	2	bw	1016·7	0	52	−4	W	4	NW	bcqr	4	Trace	58	51	oqpd	oq,cq	bcq,r	0·6
	Hartland Quay	1014·6	57	W	4	odpq	1017·7	+1	54	−3	WNW	5	−	bc	4	2	58	53	orm,odm	d f dpm	b,o,o pc	*
	Scilly (St. Mary's)	1016·4	54	NW	5	c	1020·5	+1	53	−3	NW	5	NW	cp	5	2	58	52	ornd	ornd,c	bc,c	0·0
	Falmouth ...	1015·7	57	WSW	4	o	1019·1	+1	50	−4	W	2	W	bc	*	3	58	48	g,pq,rq	orq,od	bcw	0·1
	Jersey (St. Aubin)	1018·5	61	WSW	3	b	1018·3	*	55	+1	NW	3	−	b	3	1	63	54	b,bc	bc,b	b,or,b	6·7
	Portland Bill ...	1013·8	58	WSW	8	o	1016·5	+2	56	−2	WNW	4	WNW	bc	4	−	58	54	c,o	oq	bc	*
	Dungeness ...	1013·5	60	SW	6	cq	1014·8	+2	48	−6	WNW	3	NW	b	3	2	61	46	bc	c,o,c	or,bc	*
	Wick	999·5	50	SSE	3	omp	1000·1	−1	43	−1	SW	3	SW	c	2	3	56	39	bcmp	bc,omp	bcm	*
	Nairn	999·9	48	W	2	cq	1001·1	*	43	−2	W	2	−	bc	1	2	56	38	bc,q	bc,ep	cpw	6·3
	Aberdeen ...	1001·8	53	SW	3	o	1002·8	0	43	−2	SW	2	W	b	2	−	60	39	bz,bcw	bcwy,c	o,cbzc	6·1
	Leith	1004·2	52	W	3	c	1005·0	0	44	−3	SW	1	W	bc	1	1	56	44	c,bz,c	b	c,bc,o,c	*
	Tynemouth ...	1005·7	52	W	2	om	1007·0	0	46	−4	WNW	3	−	bm	3	3	52	45	omr	ornd	bm	*
	Spurn Head ...	1005·3	58	WSW	5	cqp	1009·6	+1	47	−2	SW	3	−	bq	3	3	59	43	cq	cqp	cq,bc	0·7
	Yarmouth (Gorleston)	1009·6	59	WSW	6	o	1012·3	+2	46	0	WNW	3	−	b	3	−	60	45	bc,c	c,oq	cq,bc,b	2·2
	Clacton-on-Sea	1011·9	58	SW	5	oq	1013·8	+3	49	−1	WNW	3	−	b	2	−	61	48	bc,oq	oq,c,oq	oq,c b	3·9
	Nottingham ...	1008·7	56	WNW	3	c	1012·9	*	42	−7	SW	1	−	bw	*	1	60	41	o,c	op	bc,b	0·2
	Benson (Oxon.) ...	1011·4	57	SW	5	o	1014·6	+2	44	−4	−	0	−	b	*	−	59	43	bc,o	o	bmw	*
	Sth Farnborough	1013·4	57	SW	7	odm	1015·9	+2	46	−1	SW	4	−	bw	*	1	61	43	bc,o,d,o	odr,dm	or,o,bc	3·0
	Salisbury Plain	1012·7	57	SW	3	od	1016·7	+2	42	−3	−	0	−	bw	*	Trace	58	41	c,oq	odq,od	od,c,b	1·0
	London (Kew Obsy.)	1012·1	58	SW	4	o	1015·4	+2	48	0	WSW	1	−	bmw	*	Trace	61	47	bmw,b,o	o	o,od,o,bc	1·8
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö	990·7	46	S	2	+	987·3	0	46	0	SSE	4	−	o	2	*	48	43				
	Bodö	989·5	45	SSW	4	+	991·5	0	45	−1	NW	2	−	c	2	?	48	43				
	Christiansund ...	998·4	45	W	2	+	996·2	−1	45	−1	E	2	−	c	3	3	46	43				
	Skudesnaes ...	1001·5	48	W	3	c	996·8	−3	48	−2	WSW	4	−	o	3	4	52	43				
	Færder (X'lania Fjord)	1001·5	52	WSW	6	b	998·3	−1	46	−4	W	1	−	b	3	−	55	46				
	The Scaw (Skagen)	1005·0	52	WSW	3	bc	999·4	0	48	−4	WSW	1	−	c	2	−	55	46				
	Blaavands Huk	1003·1	52	W	5	+	1003·7	+3	54	0	WNW	4	−	c	*	9	57	48				
	Copenhagen ...	1010·6	52	WSW	4	o	1001·1	+2	52	+2	NW	3	−	bc	*	3	55	50				
	Bornholm ...	1011·4	50	W	7	+	1001·0	−4	54	+2	WSW	8	−	o	2	5	54	48				
FRANCE, &c.	The Helder ...	1010·3	57	SW	7	o	1009·1	+1	55	0	W	4	−	b	2	1	59	55				
	C. Gris Nez ...	1014·7	59	SW	7	o	1014·7	+3	52	−2	WNW	4	*	b	4	4	61	52				
	La Hève	1019·0	59	WSW	5	c	1018·0	*	57	+7	WNW	5	*	c	−	Trace	63	50				
	Brest (St. Mathieu)	1020·3	59	SSW	3	o	1021·6	+1	55	−2	NNW	3	*	bc	−	Trace	59	54				
	Rochefort (Ile d'Aix)	1022·3	61	NW	4	b	1020·8	0	61	+7	WNW	3	*	o	*	−	66	54				
	Biarritz	1022·4	63	W	3	+	1022·1	+1	59	−4	NE	1	*	+	−	5	63	59				
	Paris	1019·7	59	WSW	2	b	1018·0	+2	54	+11	S	2	−	o	*	1	66	43				
	Belfort	1020·2	57	NW	1	b	1020·2	*	52	+2	W	3	*	c	*	−	70	48				
	Lyons						1019·8	*	55	+3	N	2	*	o	*	−	68	50				
	Nice	1018·4	66	E	4	c	1015·5	+4	63	−9	−	0	*	+	−	2	?	?				
	Perpignan ...	1019·4	61	NW	2	b	1017·7	0	61	−2	W	2	−	o	*	−	?	?				
	Sanguinaire ...							*					*									
IBERIA, &c.	Corunna	1025·7	63	NNE	4	b	1024·4	+1	55	−2	−	0	−	o	3	−	66	48				
	Madrid														*							
	Lisbon	1017·2	72	NNW	4	b	1018·7	+1	61	−2	N	1	−	b	5	−	77	61				
	Azores (Horta) ...	1029·9	*	NE	3	o	1028·6	−1	64	0	ENE	4	*	o	2	−	73	64				
	,, (P. Delgada)	1028·2	*	ENE	3	c	1027·9	+1	63	−1	ENE	1	*	bc	3	−	72	64				
	Madeira	1019·1	73	NE	4	c	1020·0	+1	68	+2	N	3	−	b	3	−	77	66				
	Gibraltar	1015·2	68	−	0	b	1017·3	*	68	+1	E	5	*	bc	3	−	80	63				
	Palma																					
MEDITERRANEAN.	Algiers																					
	Malta	*	*	*	*	*	1015·7	+1	75	−2	W	1	−	o	2	−	82	75				
	Salonica	1017·5	77	−	0	b	1016·8	+2	66	+2	WSW	1	−	b	*	−	93	63				
	Athens	1017·9	75	−	0	b	1016·0	+1	82	+5	−	0	−	b	−	−	95	73				
	Candia	1017·2	72	−	0	b	1015·5	+1	72	+2	−	0	E	b	−	−	82	66				
	Limassol	*	*	*	*	*	1012·6	0	75	−2	−	0	−	b	−	−	90	63				
	Alexandria ...	1016·3	77	N	2	b	1015·4	+1	79	0	N	2	−	b	1	−	86	75				
	Cairo (Helwan) ...	1014·9	81	−	0	b	1015·4	+1	72	0	N	1	N	c	*	−	88	70				
	Jerusalem ...	?	68	WNW	3	b	?	+1	72	+2	ESE	1	−	b	*	−	81	63				
	Ramleh	1013·3	77	−	0	b	1014·6	+2	79	−3	SSE	1	−	b	−	−	90	68				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1– 3	0·3– 1·5
2	4– 7	1·6– 3·3
3	8–12	3·4– 5·4
4	13–18	5·5– 7·9
5	19–24	8·0–10·7
6	25–31	10·8–13·8
7	32–38	13·9–17·1
8	39–46	17·2–20·7
9	47–54	20·8–24·4
10	55–63	24·5–28·4
11	64–75	28·5–33·5
12	Above 75	33·6 or above

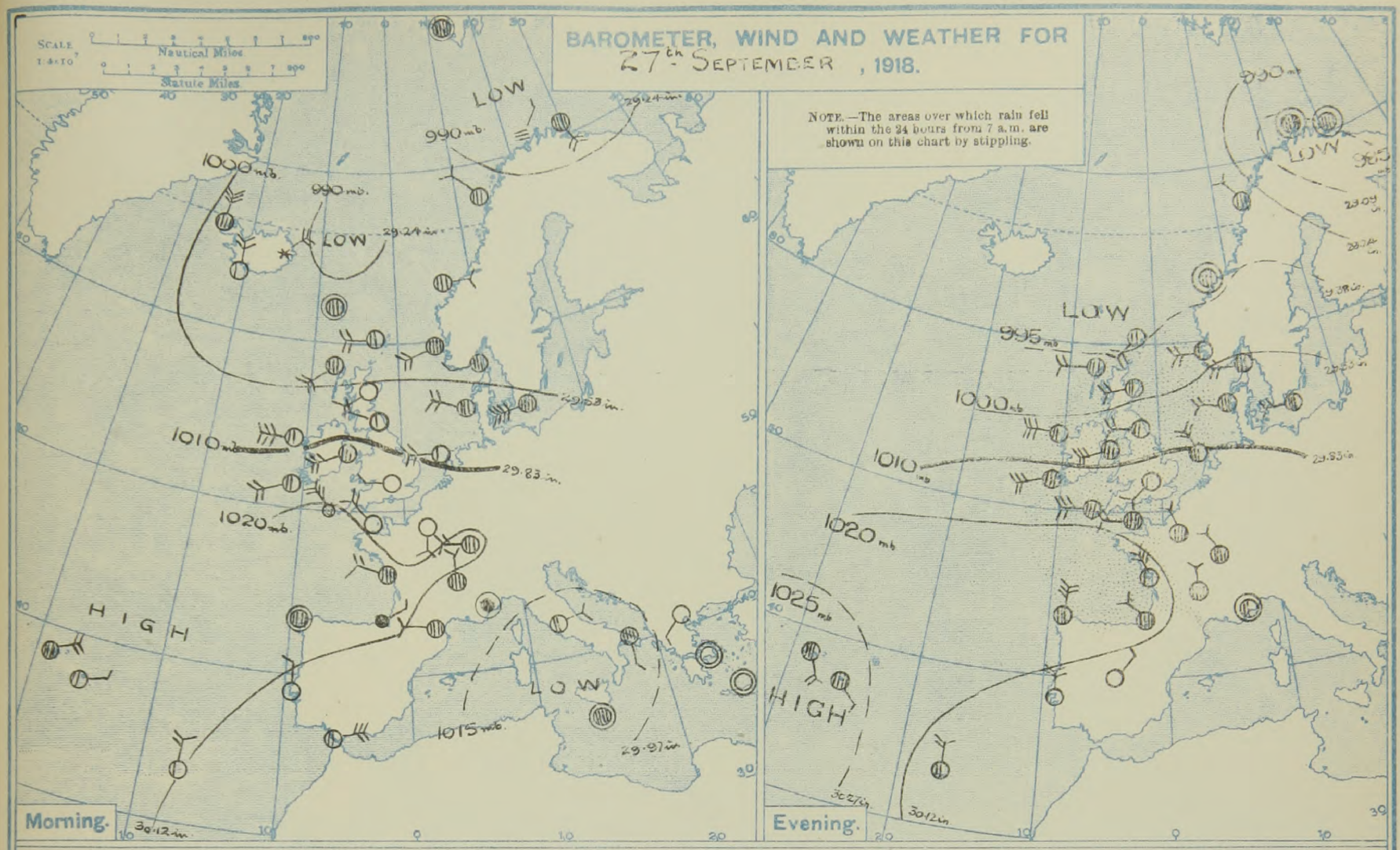
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20,764 SATURDAY, 28th SEPTEMBER, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 27th SEPTEMBER

	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.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F.	°F.
RUSSIA.	Archangel ...														×	
	Petrograd ...															
	Moscow														×	
SWEDEN.	Hernösand ...	993·2	46	WSW	4	b		×						×	×	×
	Stockholm ...	1000·2	50	SSW	4	b		×						×	×	×
	Wisby	1004·6	52	SW	8	b		×						×	×	×
ITALY.	Venice						1016·7	×	68	+2	ENE	1	r	–	75	64
	Turin	1018·5	66	–	0	b	1016·3	×	64	+5	–	0	r	–	75	59
	Pesaro							×								
	Leghorn ...	1016·7	73	–	0	bc	1015·1	×	66	–6	–	0	bc	5	79	64
	Rome	1015·8	77	NE	1	bc	1013·8	×	70	–2	E	2	bc	?	?	?
	Viesti							×								
	Brindisi	1019·5	73	–	0	b	1017·7	×	70	+2	S	1	0	–	77	66
	Cagliari							×								
	Palermo						1016·1	×	72	–5	E	1	0	5	82	68
	Tripoli						1019·4	×	77	–	NE	1	0	Trace	99	66

ICELAND.	Morning of 27th: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F.	°F.			
Isafjord ...	999·8	36	–1	ENE	6	0
Reykjavik	997·1	36	0	N	7	c
Vestmanna	992·3	34	–2	N	4	b
Seydisfjord	991·9	32	+4	NE	4	s
Thorshavn	992·5	38	+4	–	0	c

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

28th and 29th Sept. 1918.

	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5 49	11 44	5·38
	5 51	11 43	5 35
Greenwich	5 56	11 51	5 43
	5 58	11 50	5 42
Wick	6·11	12·3	5·54
	6·14	12·2	5 50
Valencia	6 37	12·32	6·26
	6 39	12·31	6·23

LONDON

28th September, 9h. G.M.T.

	Humidity. 15 h. 27th	Humidity. 9 h. 28th	Sunshine for 27th	24 Hours ended 9 h. 28th: Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	60	69	9·3	61	49	38	4·0	b	b, bc	bc, c, ob
CITY (Bunhill Row)	×	×	7·5	×	×	×	×	×	×	×
WESTMINSTER (St. James's Park)	65	72	7·8	61	50	44	1·6	×	×	×
" (Roof near Charing X) ..	67	73	8·1	60	50	–	1·3	b, bc	bc	b, bc, ob, c
CAMDEN SQ. (British Rainfall)	64	66	6·2	62	49	42	1·0	b	b, bc	×
KENSINGTON PALACE	60	63	8·1	60	50	41	1·6	c	c	×

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 27th

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

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

28th SEPT., at 1h. G.M.T.

THE MORNING OF SATURDAY, 28th SEPTEMBER 1918, at 7h. G.M.T.

LOW

995 mb.

1000 mb.

1010 mb.

1015 mb.

HIGH

1005 mb.

995 mb.

990 mb.

LOW

29·24 in.

29·38 in.

HIGH

LOW

29·68 in.

29·63 in.

50°

Barometer rising

Barometer falling

1005 mb.

1010 mb.

1015 mb.

29·83 in.

29·97 in.

50°

1020 mb.

1015 mb.

HIGH

30·12 in.

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 cloudy. ◑ sky ½ cloudy.
◕ sky ¾ clouded. ● overcast sky. ≡ rain falling.
✕ snow. ▲ hail. ≡ fog. ≋ mist. ϒ thunder.
ϒ, thunderstorm.

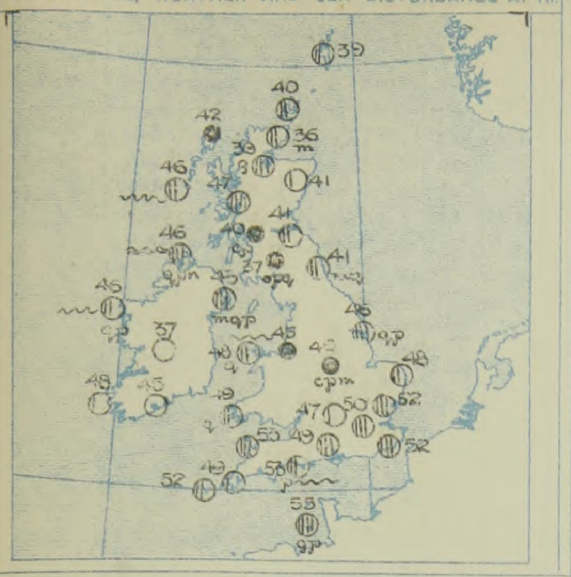
SEA DISTURBANCE.—Rough. High waves.

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 SEPTEMBER.



GALES.

STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

The temperature remained below 60°, except at a few southern stations. The minimum was only 35° at Wick and Nairn. Rain fell generally, 20 mm. at Glasgow and 11 mm. at Eskdale. Sunshine records were good in the south of England, 9 hours at London, Farnborough and Clacton. Lightning was seen at night at Holyhead and Yarmouth.

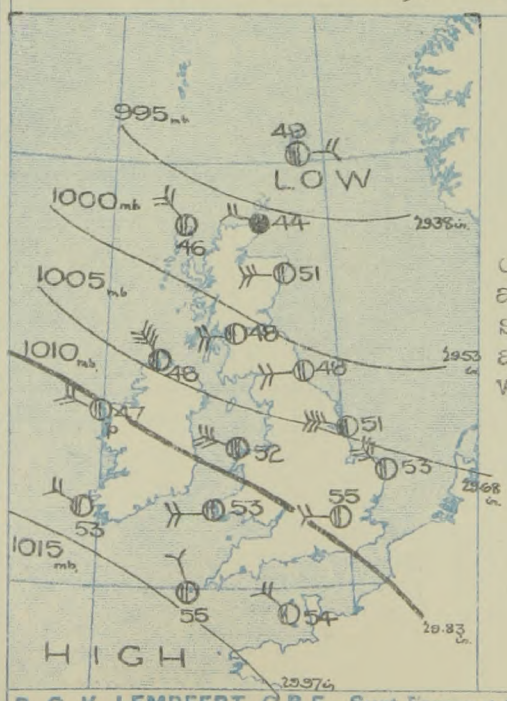
The Conditions at 7h. Today

There is a depression over Southern Norway and also over the extreme north of Scandinavia. The highest readings of the barometer reported are from the Azores. There is a squally wind from W. or NW. over the United Kingdom, which blows strongly in the Channel, the Irish Sea and in northern Ireland. Over Scotland, however, the force is only light. Rain is falling at many stations, but in the south of Ireland and in the south-west of England the weather is fair or fine. The temperature is below 50° generally except along the south coast of England.

The Outlook

The wind will continue to blow from between W. and NW. over the United Kingdom and will be strong in squalls, the weather continuing showery generally, but with considerable sunny intervals on our south-west coasts. The temperature will be low for the time of year.

Saturday, 28th SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



The barometer is rising slowly over the United Kingdom generally and there is little change in the situation since this morning beyond a slight improvement in the weather over England.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn.

H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 270...

SATURDAY, 28th SEPTEMBER.

EVENING OF 27th ... MORNING OF ... 28th ... 24 HOURS ENDED 7 h. 28th ...

	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 27th.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	994·5	44	SW	4	bcp	993·9	0	39	−5	NW	4	-	bc	2	1	47	38	bc	bcp	bc	*
	Deerness (Orkney)	994·9	44	W	4	bc	992·9	*	40	−3	W	2	SW	bc	2	1	50	38	cp,o	op,c, bc	bc,b,bc	1·8
	Stornoway ...	996·2	46	W	3	c	993·5	+1	42	−2	W	5	-	r	4	9	49	38	bcpq	bcp	cpq	3·8
	Castlebay (Barra Isd.)	994·6	48	W	4	c	993·4	+2	46	−3	WNW	5	W	bc	5	2	51	43	cb,o,cp	ch,o,cp	bcp,bc	1·1
	Glasgow ...	1001·6	44	WSW	3	orm	998·8	+1	40	−5	W	3	W	cp	*	20	50	39	c,or,p	omp	bcp,or	1·0
	Eskdalemuir ...	1002·9	44	WSW	4	c	999·6	+2	37	−4	W	5	-	opq	*	11	50	36	o,c,o	opq,h,o	cpqr	3·3
	Malin Head ...	1000·0	50	W	6	cqp	1000·8	+2	46	−1	WNW	7	NW	cqp,h	7	5	52	42	bcqp	bcqp	cq,p,h	3·5
	Blacksod Point	1004·4	47	W	6	bcqp	1008·2	+4	46	−2	NW	6	NW	bcqp	6	7	52	40	cqp	bcqp	cq,bcp	*
	Valencia (Cahirciveen)	1011·5	54	WSW	5	c	1012·4	+2	48	−4	NW	3	NW	b	3	3	57	47	bc,op	c,o	bcp,bc	0·8
	Roche's Point	1011·7	52	W	3	c	1011·7	*	45	0	W	1	-	b	2	1	57	44	b,p,c,o,c	c,op,c	c,b	*
	Birr Castle ...	1008·0	46	SW	1	c	1009·4	*	37	−8	SW	1	-	b	*	8	54	37	cp	cp	c,op,b	3·3
	Donaghadee ...	1004·0	49	W	5	bcmqp	1002·1	+4	43	−1	W	5	W	cmqp	4	3	54	42	bcqp	cmqp	bcmqp	*
	Liverpool (Bidston)	1007·1	49	WSW	5	o	1003·2	+2	45	−5	W	7	W	p	5	9	56	44	bcpq	opq	rho q	5·3
	Holyhead ...	1007·2	52	WSW	5	cp,q,q	1005·7	+3	48	−2	WNW	7	NW	bcq	5	6	56	47	c,bc,c	op,cg,q	blcph	5·0
	Pembroke (St. Ann's)	1012·1	55	WSW	6	cqm	1009·4	+3	49	−3	NW	4	NW	bcq	4	Trace	55	49	bcq	cq,cqp	cq,bcq	5·3
	Hartland Quay	1014·5	56	WSW	6	opq	1010·4	+1	53	−1	NW	5	-	c	5	4	57	52	c,bc	c,oq,op	dmc,op	*
	Scilly (St. Mary's)	1017·7	55	W	5	c	1013·1	+1	52	−1	NW	5	NW	bc	5	2	58	51	c,bc	c	c,bcp	3·3
	Falmouth ...	1016·7	54	WSW	4	om	1011·7	+2	49	−1	WNW	3	-	b	*	5	58	48	bc,c	bc,cq,c	cr,bc	2·3
	Jersey (St. Aubin)	1018·5	56	W	3	oq	1012·1	*	55	0	WSW	6	-	ogp	4	3	61	54	bc,o	o,c,oq	q,bcgp	5·8
	Portland Bill ...	1015·2	56	W	5	c	1008·3	+1	53	−2	WNW	5	W	bcp	5	2	57	53	bc	bc,c	bcp	*
	Dungeness ...	1013·7	54	WSW	4	bc	1006·2	−1	52	+4	WSW	4	W	c	4	8	62	48	bc	bc	bc,or,c	*
	Wick	994·0	42	W	3	c	993·9	−1	36	−7	W	2	-	bcm	2	1	50	35	op	op,c	cb,o bc	*
	Nairn	997·2	44	W	2	cq	994·9	*	39	−4	W	2	-	cq	2	2	52	35	bc,cq	cp,q	cp,bc	6·7
	Aberdeen ...	998·5	47	WSW	3	bc	994·4	+1	41	−2	WNW	2	SW	b	2	-	54	40	b,bc,o	o,c	bc,b	3·3
	Leith	1000·6	45	W	2	c	996·4	+1	41	−3	SW	2	-	bc	2	7	53	40	bc,bc,c	c,op,o,c	cwr,bc	
	Tynemouth ...	1003·4	48	W	3	bcmq	999·4	+1	41	−5	NW	2	-	bcmq	3	1	55	41	omqp	cmqp	bcmq	*
	Spurn Head ...	1007·3	47	WSW	4	bcq	999·3	−1	46	−1	WSW	4	-	cq	4	2	56	44	cq	cq	cqp	7·2
	Yarmouth (Gorleston)	1011·3	52	WSW	3	bc	1003·6	−4	48	+2	WSW	4	-	bc	4	-	59	45	b,bc	bc	bc,bc	8·7
	Clacton-on-Sea	1012·3	53	WNW	2	bc	1005·0	−2	52	−3	W	4	W	c	4	1	60	48	bcq	bcq	b,bc,c	9·4
	Nottingham ...	1009·0	52	SW	2	c	1004·0	*	45	+3	WNW	2	NW	cpm	*	4	58	42	bc,cp	bcp	c,op	7·7
	Benson (Oxon.) ...	1012·9	51	SW	1	b	1006·3	+2	47	+3	W	3	-	b	*	1	59	44	bc	bc	or,bc	*
	Sth Farnborough	1014·3	49	WSW	3	b	1007·4	0	49	−3	WSW	4	-	c	*	3	59	45	bc	cp,b	b,or,c	9·3
	Salisbury Plain	1015·5	49	SW	2	b	1007·8	+2	47	+5	WSW	3	W	bcp	*	3	56	42	bc,d,c	cp,bc,b	b,op,mq	6·4
	London (Kew Obsy.)	1013·5	53	SW	2	b	1006·7	+1	50	+2	WSW	3	W	c	*	2	58	48	bmw,bq,bc	bc,bc,b	b,bc,or,c	9·0
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö	986·1	45	-	0	o	986·7	0	45	−1	ESE	3	-	r	3	*	46	45				
	Bodö	994·0	45	NW	2	o	995·0	0	43	−2	N	2	-	c	1	?	46	39				
	Christiansund ...	994·9	46	-	0	c	994·3	−1	45	0	E	3	-	b	2	2	52	41				
	Skudesnaes ...	997·9	48	W	4	c	986·0	−8	46	−2	ESE	4	-	c	4	6	52	43				
	Færder (X'iania Fjord)	997·2	52	WSW	5	b	995·5	+2	50	+4	SSW	1	-	o	3	-	52	46				
	The Scaw (Skagen)	1000·6	50	W	4	c	997·0	?	48	0	SW	3	-	bc	3	2	55	45				
	Blaavands Huk	1007·4	52	W	3	c	1000·0	−8	50	−4	W	1	-	o	*	5	55	46				
	Copenhagen ...	1005·6	50	WNW	2	c	1002·9	−2	50	−2	WSW	4	-	c	*	Trace	57	48				
	Bornholm ...	1005·7	50	W	3	c	1005·0	0	50	−4	WSW	6	SW	c	1	3	54	46				
FRANCE, &c.	The Helder ...	1010·9	52	WNW	4	c	1010·7	−5	52	−3	WSW	7	-	r	4	2	57	52				
	C. Gris Nez ...	1013·5	55	W	5	o	1007·5	+1	54	+2	W	7	*	r	6	9	59	48				
	La Hève	1017·8	55	W	5	c	1011·4	*	54	−3	SW	6	*	r	-	Trace	61	52				
	Brest (St. Mathieu)	1021·3	57	WNW	3	c	1009·1	−1	57	+2	WSW	4	*	o	3	3	61	54				
	Rochefort (Ile d'Aix)	1021·0	59	NW	5	b	1018·1	−1	59	−2	W	4	*	o	*	-	64	57				
	Biarritz	1021·3	64	WNW	2	o	1019·3	0	55	−4	S	1	*	o	-	3	68	55?				
	Paris	1017·7	57	NNW	2	o	1014·9	−1	50	−4	SSW	2	-	o	*	-	66	48				
	Belfort	1018·1	55	NW	2	o	1009·1	*	57	+5	WSW	4	*	o	*	3	61	54				
	Lyons	1018·7	61	N	2	o	1017·3	*	52	−3	NW	1	*	o	*	-	68	50				
	Nice	1013·5	63	-	0	bc	1011·1	0	66	+3	-	0	*	b	-	1	72	57				
	Perpignan ...						1016·8	+1	59	−2	NW	1	-	c	*	-	72	54				
	Sanguinaire ...							*					*									
IBERIA, &c.	Corunna	1023·3	63	NNE	5	c	1022·3	+1	63	+8	-	0	NW	bc	2	-	64	55				
	Madrid	1016·4	73	E	1	b	1019·1	+1	59	-	NE	1	-	b	*	-	73	55				
	Lisbon	1018·0	73	N	4	b	1019·5	+1	61	0	NNE	1	-	b	5	-	81	59				
	Azores (Horta) ...	1027·9	*	SE	3	c	?1028·4	+1	64	0	-	0	*	o	2	-	75	64				
	,, (P. Delgada)	1027·0	*	ESE	1	o	1026·3	+1	66	+3	-	0	*	o	2	-	70	?				
	Madeira	1018·6	73	N	3	bc	1020·3	0	66	+2	N	2	-	b	2	-	75	66				
	Gibraltar							*					*									
	Palma																					
MEDITERRANEAN.	Algiers																					
	Malta	*	*	*	*	*	1013·1	+3	72	−3	W	3	-	c	2	8	?	66				
	Salonica	1013·8	77	SSE	1	b	1012·8	0	67	+1	-	0	-	bc	-	-	95	62				
	Athens																					
	Candia																					
	Limassol	*	*	*	*	*	1011·4	0	75	0	-	0	-	b	-	-	88	64				
	Alexandria ...	1015·0	77	N	2	b	1015·8	+2	81	+2	-	0	-	bc	-	-	86	73				
	Cairo (Helwan) ...	1014·3	82	N	2	b	1016·2	+3	73	+1	NE	2	-	b	*	-	91	68				
	Jerusalem ...	?	68	WNW	3	b	?	0	68	−4	NNW	2	-	b	*	Trace	84	61				
	Ramleh	1013·1	77	NNW	1	b	1015·0	+2	79	0	-	0	-	b		-	90	66				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

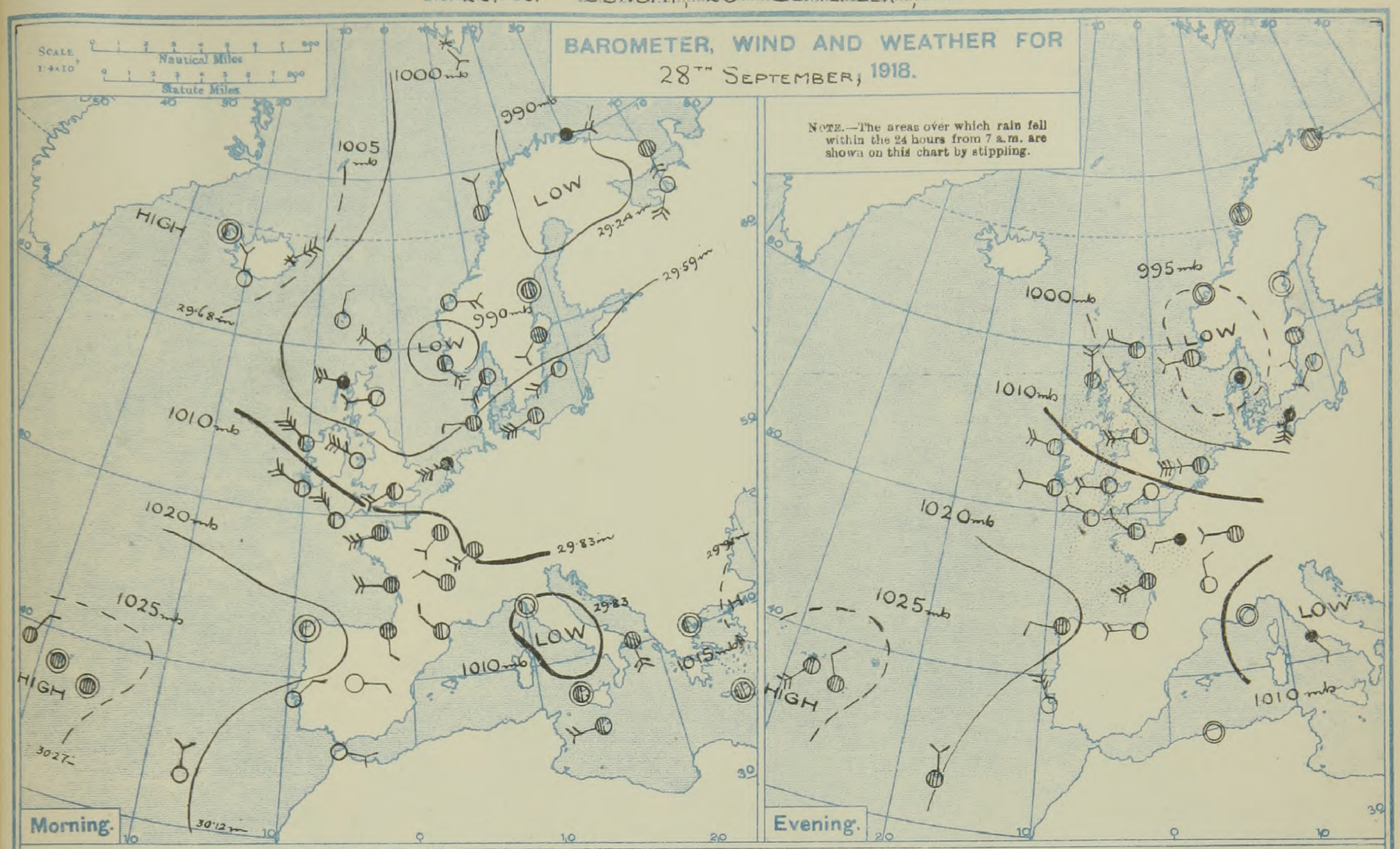
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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. 20765. SUNDAY, 29TH SEPTEMBER, 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 28TH SEPTEMBER

	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.	Archangel ...														×	
	Petrograd ...															
	Moscow														×	
SWEDEN.	Hernösand ...						996·0	×	36	–	–	0	0	×	×	×
	Stockholm ...						998·7	×	46	–	SSW	2	0	×	×	×
	Wisby						1002·9	×	50	–	SW	3	b	×	×	×
ITALY.	Venice						?	×	64	−4	?	1	0	5	72	63
	Turin	1014·3	64	–	0	bc	1012·9	×	?	–	–	0	c	7	75	61
	Pesaro	1014·1	70	–	0	b	1011·7	×	66	–	6	1	0	Trace	79	64
	Leghorn ...	1013·4	70	–	0	b	1009·5	×	66	0	–	0	b	–	77	63
	Rome	1014·2	70	SE	1	0	1008·7	×	66	−4	NE	1	r	9	81	66
	Viesti						?	×	75	–	?	0	r	?	77	68
	Brindisi						1011·7	×	72	+2	SE	2	0	–	79	70
	Cagliari							×								
	Palermo	1014·0	66	0	0	0	1010·6	×	68	−4	–	0	c	55	87	66
	Tripoli							×								

ICELAND.	Morning of 28th: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F.	°F.			
Isafjord ...	1007·9	28	−8	°	0	bc
Reykjavik	1008·2	27	−9	–	0	b
Vestmanna	1006·6	32	−2	N	2	b
Seydisfjord	1006·6	32	0	NE	6	f
Thorshavn	991·8	37	−1	N	1	b

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

29th and 30th Sept 1918.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5·51	11·43	5·35
	5·53	11·43	5·33
Greenwich	5·58	11·50	5·42
	6·0	11·50	5·40
Wick	6·14	12·2	5·50
	6·17	12·2	5·47
Valencia	6·39	12·31	6·23
	6·41	12·31	6·21

LONDON 29th September 9h. G.M.T.	Humidity. 15 h. 28th %	Humidity. 9 h. 29th %	Sunshine for 28th Hours.	24 Hours ended 9 h. 29th: Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	48	78	9·1	59	38	29	0·0	bc	bc, b	b, x
CITY (Bunhill Row)	×	×	9·2	×	×	×	×	×	×	×
WESTMINSTER (St. James's Park)	55	81	9·6	61	38	33	0·0	×	×	×
" (Roof near Charing X)	59	82	9·3	58	41	–	0·0	c	bc, b	–
CAMDEN SQ. (British Rainfall)	46	84	0·0	60	37	34	0·0	b	b, bc	×
KENSINGTON PALACE	47	?	?	58	37	26	0·0	0	0	×

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

SOUTH KENSINGTON (M.O.)

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

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

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

29TH SEPT., at 1h. G.M.T.

THE MORNING OF SUNDAY, 29TH SEPTEMBER 1918, at 7h. G.M.T.

LOW 1000 mb 40 36 37 41 48 44 42 1005 mb 1010 mb 49 43 38 50 48 1015 mb HIGH 1015 mb 1010 mb L

1000 mb 990 mb 40° LOW 41 1005 mb 32° 1010 mb 1015 mb 34 25 27 32 36 38 995 mb 41 LOW 45 48 50° 1000 mb 42 42 50 1005 mb Barometer rising slowly 44 43 45 40° 46 40° 39 52 1010 mb 1015 mb 46 Barometer 48 52 50 48 50 1015 mb 60° 60 54 1010 mb 54 55 60 steady LOW 64 66 Barometer falling 63 63 63 73 72 72 79 63 1025 mb 63 HIGH 1020 mb 61 70°

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.

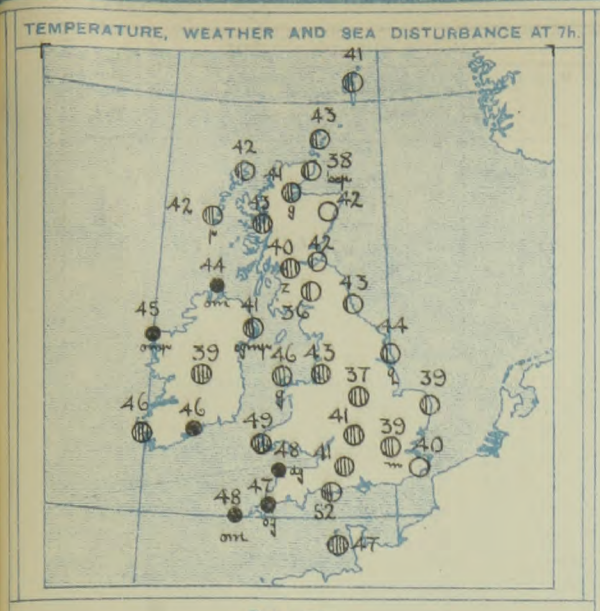
SEA DISTURBANCE.—Rough ~~ High ~~.

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

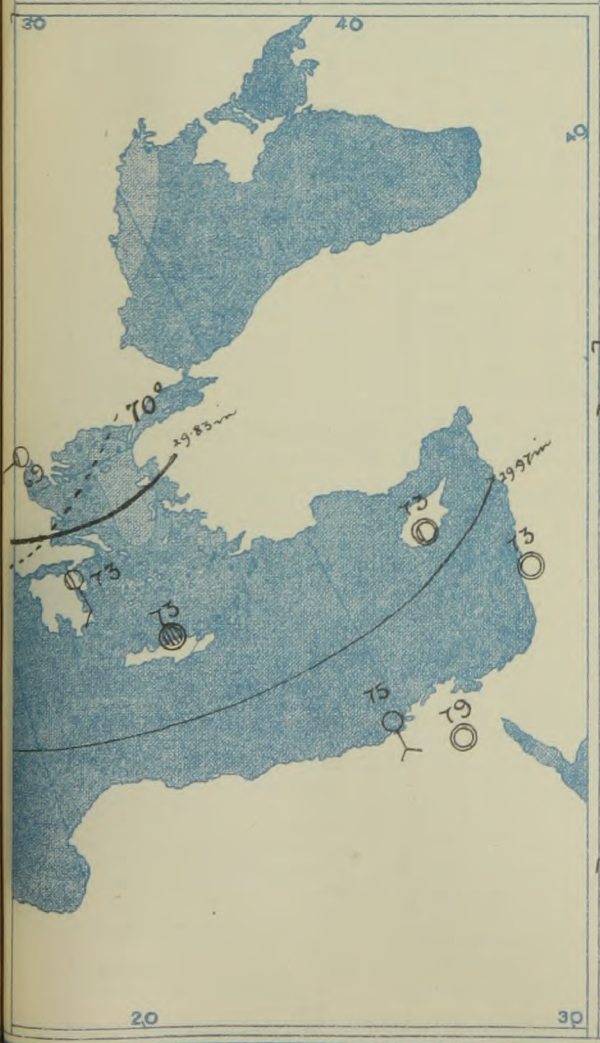
Normal Temperature of the Sea.

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

Scale of Tints for SEPTEMBER.



GALES.



STRICTLY CONFIDENTIAL.

Notes on the Weather of the 24 hours ended 7h. Today

The temperature continued to be abnormally low for the time of year, especially in the south. The minimum was 34° at Eskdalemuir and Benson, and 35° at South Farnborough and on Salisbury Plain. There was not much rain except in the west, 13 mm. at Malin Head and 7 mm. at Scilly. Sunshine records were good generally, 10 hours at Pembroke and Salisbury Plain, and about 9 hours at a number of stations. Aurora was seen at Aberdeen and Deerness.

The Conditions at 7h. Today

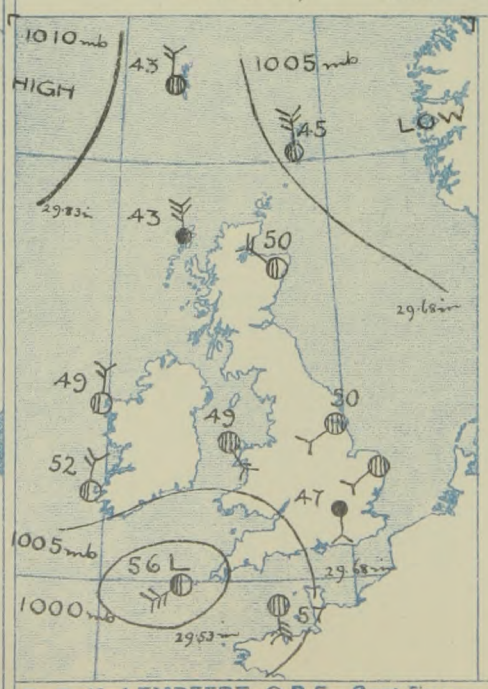
A new depression out in the Atlantic is causing a brisk fall of the barometer on our south-west coasts, where the wind has backed SE. and blows freshly at the Mouth of the Channel. Over the rest of the country the wind is for the most part very light. Rain is falling in Ireland and South-West England, but on the east coast the weather is fair or fine.

The temperature is below 40° at several inland stations, and is down to 36° at Eskdalemuir, and 37° at Nottingham.

13h. map. During the course of the day the new depression deepened rapidly and was over Cornwall at 13h. Rain had by that time spread eastwards as far even as Flanders.

A. H.

SUNDAY, 29TH SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn.

H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 272. Sunday, 29th September.

	STATIONS.	EVENING OF ..28th.. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF ..29th.. 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 h ..29th.. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 28th. Hours.
BRITISH ISLANDS.	Lerwick ...	996·9	40	NW	3	c	1002·5	+3	41	+2	NW	1	NW	c	3	0·2	45	37	c	cp	c	*
	Deerness (Orkney)	997·9	41	NW	2	cp	1003·0	*	43	+3	W	2	NW	bc	1	4	47	38	bcp. c	cp. 0	cp. c bc	4·6
	Stornoway ...	1001·4	44	N	4	cp	1005·6	+1	42	0	NW	5	-	bc	4	6	48	40	bcp	cp	c. bcp	3·8
	Castlebay (Barra Isd.)	1005·1	47	NW	4	bcp	1007·3	+1	43	-3	N	2	W	cp	3	0·2	51	43	bcp. bc	bcp. bc	bcp	7·6
	Glasgow ...	1004·1	45	W	3	b	1007·4	0	40	0	W	2	-	03	*	1	49	38	cp. bcp	bc cp. b	b. bc. ox	6·1
	Eskdalemuir ...	1004·0	43	W	5	bv	1008·4	+1	36	-1	SSW	1	-	bc	*	6	46	34	orsp. cv	bv. ohp	bv. b bc	4·4
	Malin Head ...	1006·3	49	WNW	6	bcq	1007·2	0	44	-2	W	2	-	omr	3	13	50	41	bcqp	bcq	omr	7·2
	Blacksod Point	1011·3	47	WNW	4	bcp	1008·9	-2	45	-1	SE	1	-	opm	3	1	50	43	bcqp	bcqp	bcp cp	*
	Valencia (Cahirciveen)	1014·5	51	WNW	2	bc	1007·3	-4	46	-2	ESE	2	-	o	3	-	54	42	b. bcy	bc cq. bc	c. o	9·1
	Roche's Point	1014·0	50	W	1	c	1008·8	*	46	+1	E	1	-	r	2	0·2	55	42	b. bc. c	c. bc. c	c. or	*
	Birr Castle ...	1012·1	47	W	1	c	1008·9	*	39	+2	SW	1	-	o	*	0·2	53	36	bc. cp	cp	c. o	8·3
	Donaghadee ...	1007·8	47	WNW	6	bcqp	1008·3	0	41	-2	WSW	2	-	cgpm	1	2	52	40	b hapm	bcqp	bcq	*
	Liverpool (Bidston)	1008·6	48	W	5	bc	1009·2	-1	43	-2	S	2	-	o	1	2	52	42		bcqp	c. op	5·6
	Holyhead ...	1010·2	50	WNW	6	cpqg	1008·8	-2	46	-2	WSW	2	W	cg	1	1	53	45	bc c. q	cqp	c. bc c	8·8
	Pembroke (St Ann's)	1013·2	51	W	3	bc	1009·7	-4	49	0	SSE	2	-	o	2	0·3	53	49	bc	bc	bc cop	10·3
	Hartland Quay	1014·2	53	WNW	4	c	1009·8	-3	48	-5	SSE	4	-	odg	3	trace	54	48	c. bc	bc. c	c bc o	*
	Scilly (St. Mary's)	1015·4	50	NW	2	bc	1007·3	-6	48	-4	SE	5	-	omr	4	7	57	46	bc	bc	bc. c or	9·5
	Falmouth ...	1014·9	49	WNW	2	bc	1009·5	-6	47	-2	SE	2	-	org	*	3	57	43	b. bcy	bcy. b	bc c. or	9·2
	Jersey (St. Aubin)	1013·8	55	NW	2	c	1012·1	*	47	-8	NW	2	-	o	1	2	58	41	org op	op. c	c b. o	0·1
	Portland Bill ...	1012·6	53	WNW	4	bc	1011·2	-2	52	-1	SW	2	SW	c	3	2	57	51	bc. b	b bc	bc c	*
	Dungeness ...	1011·2	51	W	3	b	1012·2	0	40	-12	NW	2	-	b	1	-	61	36	c. bc	c. b	b	*
	Wick	999·0	39	WNW	3	bcp	1005·6	+1	38	+2	WNW	2	-	bcp	2	3	50	35	bc opm	om. bcp.	bcpm	*
	Nairn	1000·4	44	W	1	bc	1005·3	*	41	+2	W	1	-	cg	1	2	48	38	cp. rg	cp. bc	cgp	5·8
	Aberdeen ...	999·4	43	WNW	5	bcqp	1005·3	+2	42	+1	W	2	-	b	2	0·2	52	36	b bcqv	bcq op	bcp bx	6·4
	Leith	1001·5	49	NW	3	b	1006·5	+1	42	+1	SW	2	-	b	2	1	51	40	bc cp c	c bcp. b	b bc	*
	Tynemouth ...	1002·1	47	W	4	bcq	1006·2	+1	43	+2	W	2	-	bm	3	-	50	41	bcq	bcq	bm	*
	Spurn Head ...	1005·3	48	W	5	bcq	1008·4	0	44	-2	W	4	-	bcq	4	1	52	42	cq	bcqp	bcq	7·2
	Yarmouth (Gorleston)	1008·5	49	WNW	3	bc	1010·7	0	39	-9	W	3	-	bc	3	-	55	37	bc	bcq	b. bc	8·5
	Clacton-on-Sea	1010·2	52	W	3	bc	1011·8	0	42	-10	WNW	2	-	bc	1	-	57	40	bc. cy	bcy	bc b bc	8·8
	Nottingham ...	1009·6	47	W	2	b	1010·4	*	37	-8	E	1	-	o	*	0·3	55	36	o. c	cp	b	5·4
	Benson (Oxon.) ...	1011·1	47	WSW	1	b	1011·0	-1	41	-6	SW	1	-	o	*	-	56	34	bc	b	b o	*
	Sth Farnborough	1012·4	45	WSW	2	b	1011·9	-2	41	-8	W	2	-	om	*	-	58	35	cp. b. bc	bcy b	b om	9·4
	Salisbury Plain	1012·7	45	SW	2	b	1011·5	-2	41	-6	SE	1	SW	o	*	-	54	35	bc b bc	bq bc b	b bc. c q	9·9
	London (Kew Obsy.)	1011·4	51	WSW	1	b	1011·8	-2	39	-11	SW	1	-	cm	*	-	56	37	c bcy	bcy. b	b bmx. c	9·5
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö	989·1	43	-	0	0	987·5	0	41	-4	W	4	-	r	*	*	-	-				
	Bodö	997·7	43	-	0	c	999·0	0	41	-2	E	1	-	bc	1	-	43	36				
	Christiansund ...	995·1	43	-	0	b	997·9	+2	41	-4	E	3	-	b	2	trace	50	37				
	Skudesnaes ...	992·4	45	W	2	c	997·6	+4	48	+2	NNW	3	-	c	2	trace	52	39				
	Færder (X'tiania Fjord)	993·0	48	NE	2	bc	997·6	+5	45	-5	NNW	2	-	o	2	3	50	45				
	The Scaw (Skagen)	991·1	46	-	0	r	994·4	+4	48	0	WNW	3	W	bc	3	5	56	43				
	Blaavands Huk	994·4	48	W	7	o	1001·3	+3	50	0	WNW	6	-	c	*	3	52	43				
	Copenhagen ...	995·4	46	WSW	6	r	1001·0	+3	48	-2	WSW	4	-	b	*	8	55	45				
	Bornholm ...	998·1	48	WSW	7	r	1000·7	+4	50	0	W	9	-	c	2	6	54	45				
FRANCE, &c.	The Helder ...	1005·6	50	W	8	c	1009·6	0	52	0	W	4	-	c	4	4	55	48				
	C. Gris Nez ...	1011·4	54	WNW	4	b	1011·9	-1	50	-4	WSW	2	*	b		1	57	50				
	La Hève	1013·7	52	WNW	4	c	1014·3	+1	48	-6	SSE	2	*	m	-	2	57	48				
	Brest (St. Mathieu)						1010·6	-5	54	-3	SE	5	*	r		2	59	48				
	Rochefort (Ile d'Aix)	1015·9	64	WSW	5	o	1014·4	0	55	-4	N	1	*	c	*	6	66	55				
	Biarritz	1019·3	63	W	3	bc	1017·0	0	63	+8	S	3	*	o		-	70	61				
	Paris	1014·6	54	W	1	r	1013·9	+1	50	0	-	0	-	o	*	7	63	48				
	Belfort	1016·6	54	W	3	o	1017·2	*	48	-9	-	0	*	o	*	trace	61	46				
	Lyons	1017·2	55	N	1	b	1016·8	*	54	+2	S	1	*	c	*	trace	68	48				
	Nice	1010·4	63	-	0	b	1012·2	0	66	0	-	0	*	b	-	-	75	57				
	Perpignan ...						1017·5	+1	73	+14	W	1	-	b	*	-	73	54				
	Sanguinaire ...	1009·3	70	NW	3	o	1012·0	+1	68	-	E	2	*	m		-	79	61				
IBERIA, &c.	Corunna	1021·2	64	W	1	o	1018·6	-1	63	0	SW	3	-	o	3 *	2	70	59				
	Madrid																					
	Lisbon	1018·9	66	NNW	5	b	1018·9	+1	61	0	NNE	3	-	b	5	-	75	61				
	Azores (Horta) ...	1025·0	*	SSW	4	c	1025·2	+1	63	-1	-	0	*	b	1	-	77	63				
	,, (P. Delgada)	1025·1	*	NW	1	o	1024·3	0	63	-3	NW	1	*	b	-	-	-	-				
	Madeira	1020·0	73	N	2	o	1021·2	0	66	0	N	2	-	b	2	-	73	64				
	Gibraltar							*					*									
	Palma																					
MEDITERRANEAN.	Algiers	1016·7	70	-	0	b	1017·1	+1	70	-	-	0	-	b	2	-	75	64				
	Malta	*	*	*	*	*	1012·0	+2	72	0	WNW	4	-	bc	4	13	77	61				
	Salonica	1010·9	74	SSE	1	bc	1008·9	+1	69	+2	W	1	-	bc	*	-	90	66				
	Athens	1012·6	75	SSE	1	o	1011·9	+1	73	-2	-	0	-	bc	0	-	84	70				
	Candia	1015·0	73	-	0	b	1014·0	+1	73	+5	-	0	E	o	0	-	84	61				
	Limassol	*	*	*	*	*	1013·9	0	73	-2	-	0	-	b	0	-	91	64				
	Alexandria ...	1016·6	77	-	0	bc	1015·9	0	75	-6	S	2	-	b	1	-	88	70				
	Cairo (Helwan) ...	1015·0	82	N	2	b	1015·7	+2	79	+6	-	0	-	b	*	-	95	70				
	Jerusalem ...	*	68	WNW	4	b	*	+4	73	+5	-	0	-	b	*	-	82	63				
	Ramleh	1015·4	77	-	0	b	1016·4	+2	77	-2	-	0	-	b	*	-	90	64				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

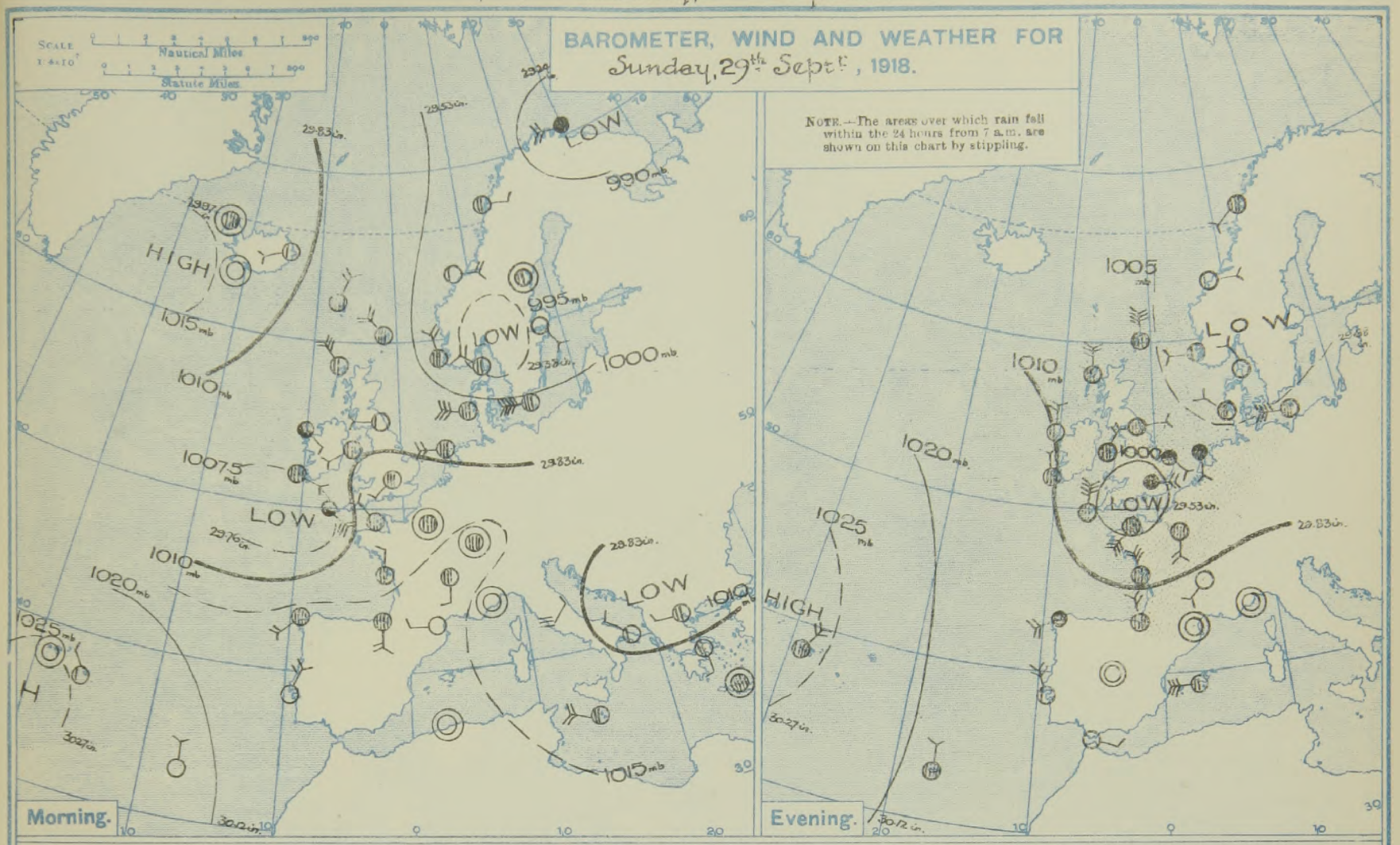
BEAUFORT NOTATION.

b blue sky (not more than a quarter 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.
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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

* 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 20,766. Monday, 30th Sept.r 1918.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 29TH SEPTEMBER.

	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.	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 ...														*	
	Petrograd ...															
	Moscow														*	
SWEDEN.	Hernösand ...							*						*	*	*
	Stockholm ...							*						*	*	*
	Wisby							*						*	*	*
ITALY.	Venice						1012·7	*	63	−1	NE	1	bc	4	72	61
	Turin	1011·3	66	−	0	bc	1013·5	*	59	-	-	0	c	−	75	55
	Pesaro						1012·6	*	64	−2	-	0	b	-	73	57
	Leghorn ...	?	72	−	0	b	1013·4	*	70	+4	-	0	bc	9	?	?
	Rome	1010·3	66	SE	1	r	1011·9	*	63	−3	NE	1	f	5	79	63
	Viesti	?	72	SE	1	0	1009·9	*	73	−2	W	1	c	1	79	64
	Brindisi	1009·9	66	SE	6	0	1009·1	*	64	−8	NW	1	b	10	79	64
	Cagliari							*								
	Palermo						1012·9	*	72	+4	SSW	2	r	?	?	?
	Tripoli						1022·2	*	75	-	ESE	1	b	-	99	68

ICELAND.	Morning of 29th: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.
		°F.	°F.			
Isafjord ...	1011·9	34	+6	-	0	0
Reykjavik	1015·8	23	−4	-	0	b
Vestmanna	1014·4	36	+4	-	0	b
Seydisfjord	1014·6	27	−5	WSW	2	b
Thorshavn	1006·7	38	+1	NNE	3	0

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

30th Sept. & 1st Oct. 1918.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5·53	11·43	5·33
	5·56	11·43	5·30
Greenwich	6·0	11·50	5·40
	6·2	11·50	5·38
Wick	6·17	12·2	5·47
	6·19	12·2	5·43
Valencia	6·41	12·31	6·21
	6·43	12·31	6·19

LONDON 30th Sept., 9h. G.M.T.	Humidity. 15 h. 29th	Humidity. 9 h. 30th	Sunshine for 29th	24 Hours ended 9 h. 30th: Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory) ..	91	86	0·3	50	42	41	27	oor	or	or
CITY (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	91	86	0·0	52	42	40	27	mr	or	*
„ (Roof near Charing X) ..	95	88	0·0	49	42	*	24	omd	r	ro
CAMDEN SQ (British Rainfall)	−	94	0·0	49	41	39	31	−	−	*
KENSINGTON PALACE	93	84	?	49	42	40	28	r	r	*

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

SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during .. 29th

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

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.

30th SEPT., at 1h. G.M.T.

THE MORNING OF MONDAY, 30th SEPTEMBER 1918, at 7h. G.M.T.

1010 mb
1005 mb
1000 mb
995 mb
1015 mb
1020 mb
1025 mb
LOW
HIGH
HIGH
Barometer
generally
falling
rising
Bar
1015
1005 mb
1010 mb
40°
50°
60°
70°

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

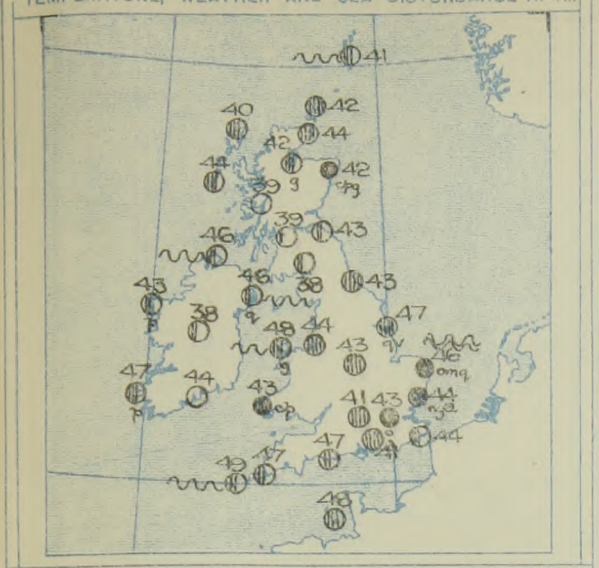
Normal Temperature of the Sea.

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

Scale of Tints for SEPTEMBER.

STRICTLY CONFIDENTIAL.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



GALES.

HARTLAND Pt.
NE 8 at 16h. 29th.

SCILLY.
N.8. 15-16 h. 29th.

JERSEY.
SW 8. 20h. (29th) to morning 30th.

Notes on the Weather of the 24 hours ended 7h. Today

The passage of a deep depression up the English Channel produced strong winds and heavy rain over Southern England, the rainfall exceeding 25 mm. at most stations. Sunshine was almost entirely confined to the northern districts where 5 to 6 hours were measured but Valencia recorded nearly 7 hours. Air temperature failed to reach 50° F. at many stations, the maximum being as low as 43° at South Farnborough.

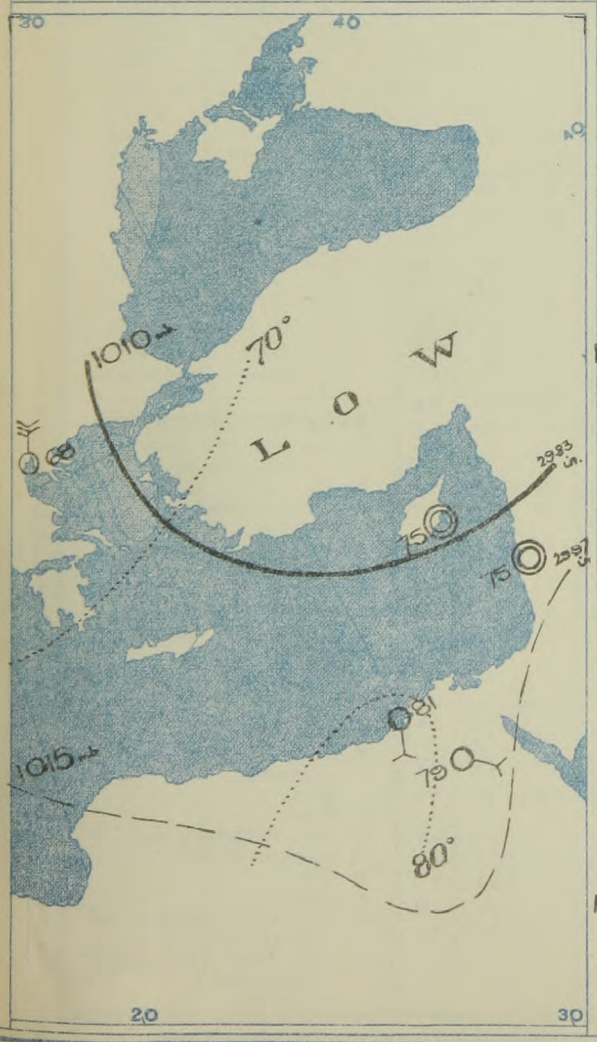
The Conditions at 7h. Today

A deep depression which appeared early yesterday morning to the south of Ireland has moved rapidly up the English Channel and is now centred over Holland. Winds have become Northerly over the British Isles, moderate or fresh generally but strong in the English Channel and locally in SE. England. Rain is falling along a line extending from London to the Western Baltic, and there are showers locally in the north and west. To the westward of the British Isles a large anticyclonic system extends from the Azores almost as far north as Iceland.

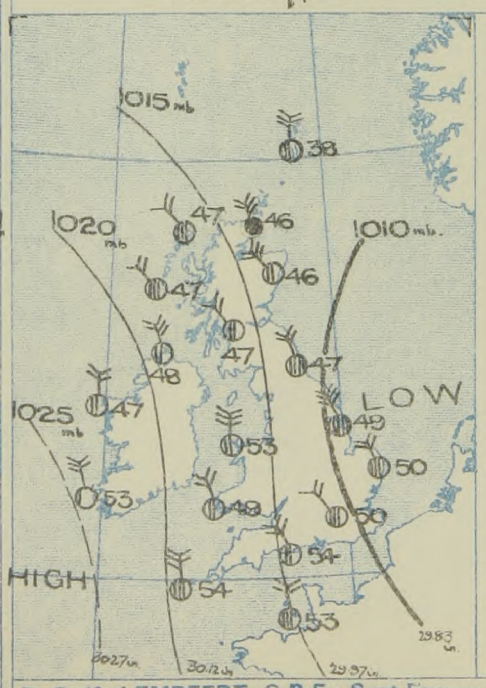
The Outlook

The barometer is rising briskly in the rear of the depression, which continues to move eastward. Winds will probably continue Northerly or perhaps North-Westerly over the British Isles moderating gradually. Weather will become fair or cloudy with local showers, remaining cold.

E.G.B.



Monday, 30th SEPTEMBER, 1918, at 13h. (1 p.m.) G.M.T.



This morning's inference is confirmed.

R. G. K. LEMPFERT, C.B.E., Supt. Forecast Divn. H.G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1918. No. 273 / 130TH SEPT.

	STATIONS	EVENING OF 29TH					MORNING OF 30TH								24 HOURS ENDED 7 h 30TH						Sunshine for 29TH
		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 ...	1005·5	43	N	7	om	1010·7	+2	41	0	N	6	N	c	5	1	46	37	cp	cm	cm	5·5
	Deerness (Orkney)	1007·4	45	N	4	cp	1012·5	*	42	+1	N	4	—	o	3	2	49	40	bc	bc cp	cp bco	0·8
	Stornoway ...	1009·7	43	N	5	c	1016·3	+3	40	−2	N	4	—	c	3	6	46	35	bc por q	or c p	cp	1·3
	Castlebay (Barra Isd.)	1009·7	44	N	3	bc p	1017·3	+2	44	+1	N	3	—	c	3	3	49	42	co p	o bc p	bc p bc	3·1
	Glasgow ...	1006·6	44	W	1	o q	1013·5	+5	39	−1	NNW	2	N	b	*	—	53	36	o c c	c r o q	bc b r o	2·7
	Eskdalemuir ...	1006·2	40	NNW	2	o	1011·3	+4	38	+2	N	4	N	bc r	*	1	48	34	bc c c y o	o o r o	o c b c b	2·3
	Malin Head ...	1008·2	45	N	3	bc	1015·2	+6	46	+2	N	5	N	bc q	5	13	46	43	c m p	o m p	bc q p	
	Blacksod Point	10099	45	N	3	bc	1019·0	+7	43	−2	NNW	5	N	bc p	4	2	50	42	bc r	bc r p	bc bc p	*
	Valencia (Cahirciveen)	1010·2	49	NNW	2	o	1019·9	+6	47	+1	N	5	N	c p	4	2	53	44	o o c	c bc	bc p	6·8
	Roche's Point	10074	48	NW	3	bc	1016·8	*	44	−2	N	4	—	b	4	5	52	43	r o	c bc	bc b	*
	Birr Castle ...	10074	45	NW	1	c	1017·3	*	38	−1	NW	1	N	bc	*	1	50	36	oc	c p u	c bc p	3·2
	Donaghadee ...	10061	45	NNE	5	o g m q p	1013·4	+5	46	+5	NNE	5	NE	bc q	5	4	50	40	c g m p	o g m r	bc q	*
	Liverpool (Bidston)	1003·9	45	SSE	1	r	1009·7	+4	44	+1	N	2	—	o	1	1	49	42	o	o p	o	0·0
	Holyhead ...	10040	46	NE	3	c q	1011·2	+4	48	+2	NNE	6	—	c q	6	7	49	44	c o q	o o o p d	c h l q	0·0
	Pembroke (St. Ann's)	1003·3	43	NNE	3	r	1013·2	+4	43	−6	N	5	N	c p	3	29	49	40	o r c r	c r	c p h c p	0·0
	Hartland Quay	998·4	44	NNE	7	r	1011·8	+5	48	0	N	5	—	o p q	4	32	50	42	d o r m q	o r m q	d c p q l	*
	Scilly (St. Mary's)	1001·7	48	N	7	c q p	1014·4	+4	49	+1	NNW	6	NW	bc	6	18	58	47	o r c q p	c q p	c q bc	1·0
	Falmouth ...	997·6	45	N	7	o q r	1013·5	+6	47	0	NW	4	—	bc	*	36	58	44	o r g r q	o d c q p	p h b c q	0·2
	Jersey (St. Aubin)	997·8	60	SW	5	o q p	1010·7	*	48	+1	NW	3	NW	c	3	9	61	46	o p	o q r c o	a b q p c	0·1
	Portland Bill ...	992·7	52	SW	5	o r	1009·0	+10	47	−5	N	4	N	bc	3	20	54	47	c r o	o r	bc	
	Dungeness ...	998·6	52	S	5	r	1002·3	+7	44	−4	NW	5	NW	c q	4	15	58	40	c o r	o r c r	o r q p c	*
	Wick	1007·2	45	NNE	3	c m p	1012·6	+2	44	+6	NNW	5	N	o	4	1	48	37	bc m p	c m p q	bc q o q	*
	Nairn	1007·5	42	NW	2	c	1013·7	*	42	+1	NW	3	—	c q	2	2	49	39	c p u	p r q c	c q bc	3·1
	Aberdeen ...	1006·2	45	NW	3	bc	1010·8	+3	42	0	NW	4	—	c p q	3	3	52	40	bc bc c	c y r bc	bc c p q	6·0
	Leith	1005·4	48	E	1	c	1011·9	+3	43	+1	NNW	3	N	bc	3	0·2	53	41	bc bc bc	b	c p c bc	
	Tynemouth ...	1005·0	48	E	2	o q	1006·9	+3	43	0	NW	3	—	o	3	5	52	42	bc m	o q	o m q r	*
	Spurn Head ...	1003·7	47	S	1	o r	1002·1	+2	47	+3	NNE	5	—	o q r	4	7	50	43	c	c	o r o g	*
	Yarmouth (Gorleston)	1001·6	45	ESE	2	o m r	9986	−4	46	+7	NNE	7	—	o m q r	7	32	51	39	bc o	o m p	o m r	1·0
	Clacton-on-Sea	1002·6	47	ENE	4	o g m r	1001·3	+8	44	+2	NW	4	NW	o g d	3	23	51	42	bc o g d	o g d m r	o g r	2·0
	Nottingham ...	1003·7	42	E	1	o r	1006·5	*	43	+6	NW	2	—	o m	*	13	50	37	o	o r	r	0·0
	Benson (Oxon.) ...	9984	41	NE	2	r	1007·1	+9	41	0	NW	3	—	o	*	29	47	38	o r	r	r o m	*
	Sth Farnborough	997·3	43	ENE	5	o r m	1006·9	+7	41	0	WNW	4	NW	o m	*	28	43	39	o m o r m	o r m	o r b o	0·0
	Salisbury Plain	995·7	43	ENE	3	o r	1009·3	+6	38	−3	WNW	3	W	b	*	26	44	38	o r o	o r	o d o b	0·0
	London (Kew Obsy.)	998·2	44	E	4	o r m	1006·0	+9	43	+4	WNW	3	—	r	*	29	48	38	c m o r m	o r m	o r o o r	0·0
NORTHERN EUROPE.	Spitsbergen ...												*		*	*						
	Vardö															*						
	Bodö	1001·5	41	SW	2	c	1002·3	0	37	−4	E	1	—	c	1	?	45	34				
	Christiansund ...	1003·9	43	E	2	b	1004·4	0	41	0	—	0	—	c	2	—	48	37				
	Skudesnaes ...	1003·3	43	W	2	b	1003·1	0	48	0	NE	1	—	b	1	2	50	43				
	Færder (Vianafjord)	1002·3	50	WSW	2	b	1003·8	+1	46	+1	NE	2	—	o	2	—	50	45				
	The Skaw (Skagen)	1002·3	45	NW	2	b	1001·7	0	45	−3	—	0	—	o	0	—	54	43				
	Blaavands Huk	1007·0	50	WNW	2	c	1000·3	+2	45	−5	E	2	—	r	*	3	52	41				
	Copenhagen ...	1006·9	48	W	3	b	1001·9	−4	48	0	E	4	—	r	*	3	54	45				
	Bornholm ...	1006·4	50	W	7	c	1003·5	−4	46	−4	NNE	2	—	r	0	2	50	46				
FRANCE, &c.	The Helder ...						991·1	−5	48	−4	NE	7	—	r	4	19	55	45				
	C. Gris Nez ...	999·0	48	SE	3	r	1001·7	+15	46	−4	WNW	7	*	o		22	59	46				
	La Hève	999·7	57	SSW	6	r	1008·3	*	48	−2	NW	7	*	r		3	57	45				
	Brest (St. Mathieu)	1000·8	57	SW	7	o	1014·4	+5	52	−2	NNW	5	*	bc		6	61	48				
	Rochefort (Ile d'Aix)	1009·1	64	SW	6	?	1014·4	+5	54	−1	N	5	*	c	*	4	66	52				
	Biarritz	1013·1	66	NNW	4	r	1014·7	+2	64	+1	NNW	3	*	o		3	75	59				
	Paris	1006·0	57	S	3	o	1008·0	+5	48	−2	W	4	—	o		5	61	48				
	Belfort						1009·2	*	55	+7	WSW	2	*	o	*	2	61	55				
	Lyons	1012·0	64	SW	2	b	1011·3	*	61	+7	SW	2	*	o	*	trace	73	54				
	Nice	1013·6	63	—	0	b	1012·3	0	64	−2	—	0		b		—	73	63				
	Perpignan ...	1013·5	64	—	0	b	1012·6	+1	59	−14	W	1		b	*	—	77	54				
	Sanguinaire ...	1020·7	70	SW	2	m	1015·5	*	68	0	E	2		b		2	81	63				
IBERIA, &c.	Corunna	1016·0	66	SW	4	r	1020·7	+3	57	−6	NNE	1	—	c	4	10	70	55				
	Madrid														*							
	Lisbon	1017·9	68	NNW	4	b	1017·5	+1	63	+2	NNE	4	—	bc	5	—	73	61				
	Azores (Horta) ..	1026·1	*	NNE	4	o	1029·6	+2	63	0	NE	5		c	3	1	77	63				
	,, (P. Delgada	1025·1	*	—	0	bc	1027·4	+2	61		NE	1		c	2	2	75	61				
	Madeira	1019·9	73	N	2	o	1021·0	0	66	0	NE	2		c	2	—	75	66				
	Gibraltar	1016·2	67	E	1	b	1014·5	*	58	?	W	1	*	b	1	—	77	57				
	Palma																					
MEDITERRANEAN.	Algiers	1015·7	73	NE	2	b	1012·3	+1	72	+2	WSW	3	—	b	2	—	75	66				
	Malta	*	*	*	*	*	1015·8	+2	72	0	W	1	—	b	1	—	75	70				
	Salonica	1008·7	70	SE	1	b	1011·6	+4	68	−1	NNE	5	—	b	*	—	87	66				
	Athens	1010·3	68	SE	1	o	1010·7	+2	70	−3	NW	1	—	c	0	trace	79	64				
	Candia																					
	Limassol	*	*	*	*	*	1009·1	0	75	+2	—	0	—	b	0	—	90	61				
	Alexandria ...	1014·3	81	—	0	o	1013·2	0	81	+6	SSW	2	NW	b	0	—	97	72				
	Cairo (Helwan) ...	1014·0	82	NE	3	b	1013·9	+2	79	0	SE	2		b	0	—	95	72				
	Jerusalem ...	?	72	NW	3	b	?	?	72	−1	—	0	—	b	*	—	86	63				
	Ramleh	1014·6	77	N	1	b	1014·6	+1	75	−2	—	0	—	b	*	—	90	61				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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c generally cloudy (three quarters covered).
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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.
w dew.
x hoar frost.
y dry air; humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

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