M.O. Form 2373.

5896(926)

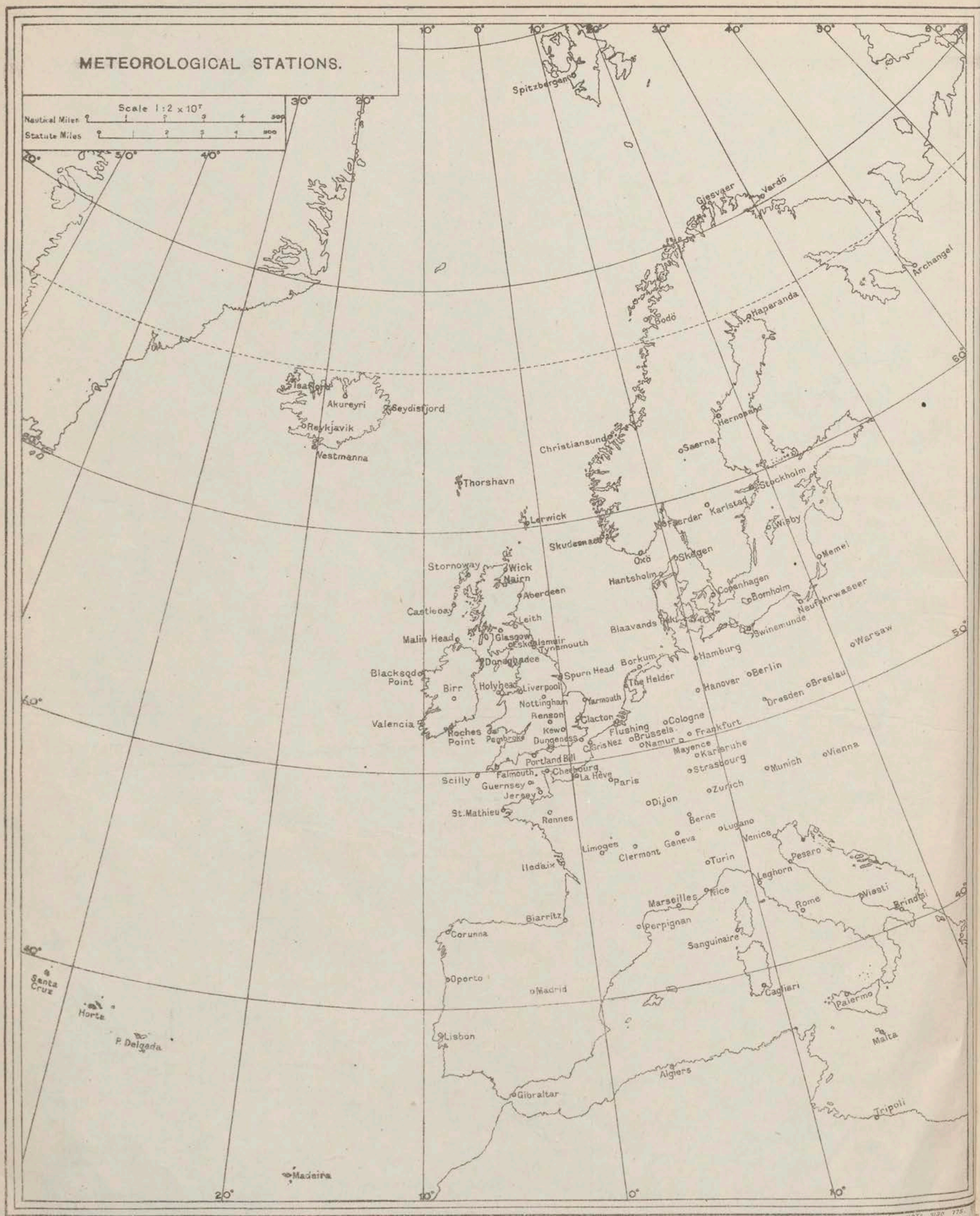
AIR MINISTRY.

METEOROLOGICAL OFFICE,

LONDON.

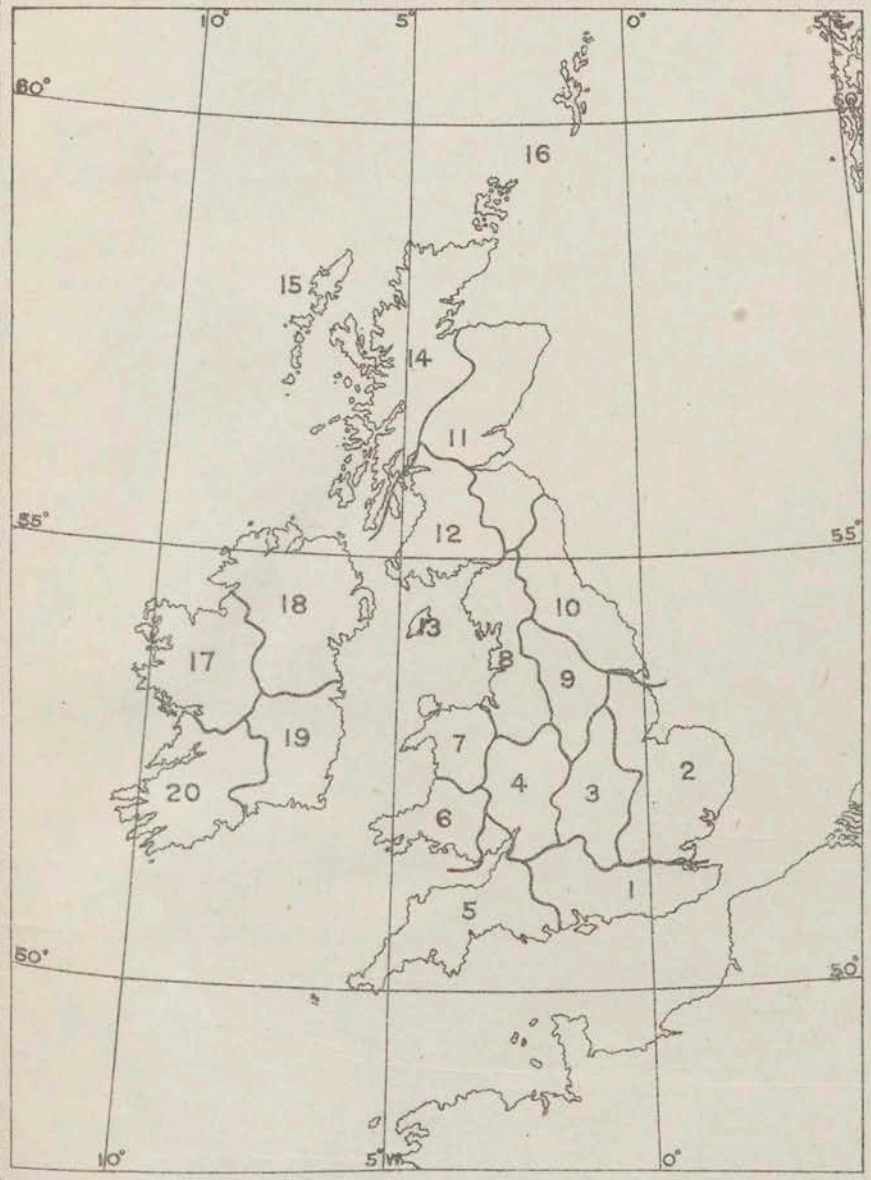
DAILY WEATHER REPORTS

1st OCTOBER TO 31st DECEMBER, 1919.

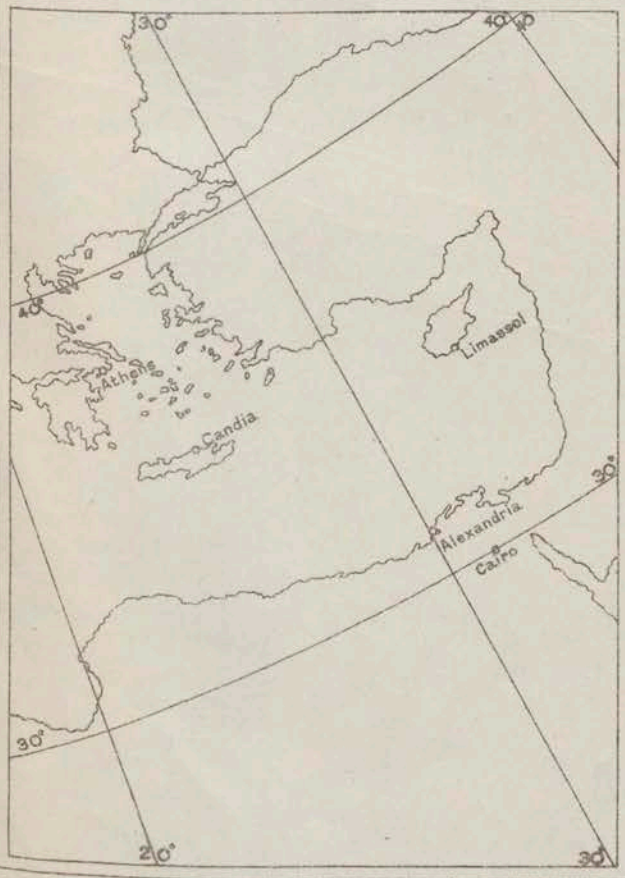


H.M. Stationery Office Press, Kingsway, W.C.2.

DISTRICTS.



STATIONS USED FOR UPPER AIR SUPPLEMENT.



TELEGRAPHIC CODE OF SURFACE VISIBILITY.

0	Very bad	Objects not visible beyond	200 metres	(220 yards).
1	Bad	" " "	500 "	(545 yards).
2	Very poor	" " "	1,000 "	(0·6 mile).
3	Poor	" " "	2,000 "	(1·2 miles).
4	Indifferent } Ordinary	" " "	4,000 "	(2·5 ").
5	Fair } Ordinary	" " "	7,000 "	(4·3 ").
6	Good, above ordinary	" " "	12,000 "	(7·5 ").
7	Very good, unusual	" " "	20,000 "	(12·4 ").
8	Exceptionally good	" " "	30,000 "	(18·6 ").
10	Objects visible beyond 30,000 metres (18·6 miles).			

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.

BEAUFORT NOTATION.

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.

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

WEATHER SYMBOLS.

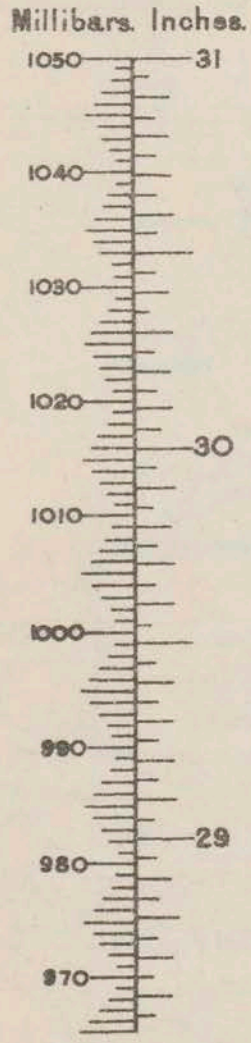
Clear sky	○	Sky ¼ clouded	○
Sky ½ clouded	◐	Sky ¾ clouded	◍
Overcast sky	●	Rain falling	●
Snow	✳	Hail	▲
Fog	≡	Mist	≡
Thunder	T	Thunderstorm	⚡
Lightning	↯	Gale	⚡
Aurora	⌓	Solar halo	⊕
Rime	⚜	Lunar halo	◍
Glazed frost	∽	Solar corona	◎
Glazed roads	∽	Lunar corona	◎
Snow lying	⊠		

SEA DISTURBANCE.—
Rough ∼∼ High ∼∼

AIR MINISTRY.

METEOROLOGICAL OFFICE, LONDON.

NOTES ON THE INFORMATION CONTAINED IN THE BRITISH AND INTERNATIONAL SECTIONS OF THE DAILY WEATHER REPORT.



Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 5 millibars. Values in millibars may be converted to mercury inches by the scale given in the margin.

Temperature.—Temperature is specified in degrees Fahrenheit. Temperatures are shown on the charts by means of figures written alongside the circles which indicate the positions of the stations.

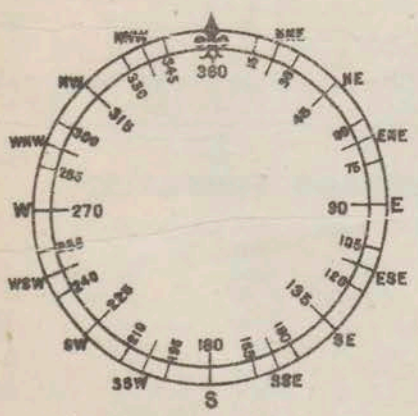
Upper Air Temperature.—Temperature at different levels in the free atmosphere up to 20,000 feet is shown graphically on the Upper Air Supplement. On the diagram, heights are given both in feet and kilometres and temperatures in degrees Fahrenheit and Absolute. The lines marked "Anti-cyclonic," "Cyclonic," "Summer," and "Winter," indicate the normal fall of temperature with height or lapse rate under the conditions indicated. The oblique line marked "Adiabatic" shows the lapse rate for dry air ascending or descending under adiabatic conditions, i.e. without communication of heat from external sources. The lapse rate under these circumstances is very approximately 5·5° F. per 1,000 feet, or 10a per kilometre. A lapse rate greater than this value indicates instability of the atmosphere.

Cloud Types.—In the inset maps of the British Section and in the cloud maps of the Upper Air Supplement the amounts of different types of cloud are shown. The forms, Cumulus (Cu.), Nimbus (Nb.), Strato-cumulus (St.-cu.), Cumulo-nimbus (Cu.-nb.), and Stratus (St.) are set out on the chart of Lower Cloud. The forms, Alto-cumulus (A.-cu.), Alto-stratus (A.-st.), Cirrus (Ci.), Cirro-cumulus (Ci.-cu.), and Cirro-stratus (Ci.-st.) are given under Upper Cloud. The proportion of the sky covered with cloud of the different types is shown by numbers (tenths of the sky covered).

For description of Cloud Types reference may be made to "Meteorological Glossary," M.O. 225 ii, and "Cloud Forms," M.O. 233.

Weather.—In describing the distribution of weather over a district or during an interval of time, such as a day, descriptive adjectives are used with the following meanings, no reference to precipitation being implied.

Fine—mainly b and bc of the Beaufort notation (*see* previous page).
Fair or fair generally—mainly bc and c.
Cloudy—combinations of bc, c and o, c predominating.
Overcast—mainly c and o.
Dull—overcast with low heavy cloud.
Varying or variable cloud—combinations of b, bc, c, and o.



Wind.—All wind directions specified in the reports are true, not magnetic compass bearings. The arrows indicating wind direction are drawn to fly with the wind. Wind velocities are shown on the charts of the British Section and Upper Air Supplement in m.p.h. by the numbers placed within the small circles. In the International Section velocities are not shown. In both Sections the number of feathers on the arrows denotes wind force by Beaufort number.

Upper Winds.—The direction and velocity of the wind are given in the Upper Air Supplement for heights of 1,000 feet, 2,000 feet, 5,000 feet, 8,000 feet, 10,000 feet, 15,000 feet. The data are based on Pilot Balloon ascents

In the forecasts of upper wind, direction is specified in points and in degrees from true north measured through East 90°, South 180°, West 270° to North 360°. (*See* diagram in margin.)

THE BEAUFORT SCALE OF WIND FORCE.

Beaufort Number.	Admiral Beaufort's General Description of Wind.	Specification for use on Land, based on observations made at Land Stations.	Limits of Mean Velocities. Statute Miles per Hour.
0	Calm	Calm; smoke rises vertically	Less than 1
1	Light air	Direction of wind shown by smoke drift, but not by wind vanes	1-3
2	Slight breeze	Wind felt on face; leaves rustle; ordinary vane moved by wind	4-7
3	Gentle breeze	Leaves and small twigs in constant motion; wind extends light flag	8-12
4	Moderate breeze	Raises dust and loose paper; small branches are moved	13-18
5	Fresh breeze	Small trees in leaf begin to sway; crested wavelets form on inland waters	19-24
6	Strong breeze	Large branches in motion; whistling heard in telegraph wires; umbrellas used with difficulty	25-31
7	High Wind	Whole trees in motion; inconvenience felt when walking against wind	32-38
8	Gale	Breaks twigs off trees; generally impedes progress	39-46
9	Strong gale	Slight structural damage occurs (chimney pots and slates removed)	47-54
10	Whole gale	Seldom experienced inland; trees uprooted; considerable structural damage occurs	55-63
11	Storm	Very rarely experienced; accompanied by widespread damage	64-75
12	Hurricane		Above 75

DAILY WEATHER REPORT. APPENDIX I.

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

FOURTH QUARTER, OCTOBER TO DECEMBER.

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

	STATIONS.	PRESSURE 1906–1915. 7 a.m. Observations (reduced to M.S. Level).	AIR TEMPERATURE. Means of 1906–1915. Dry Bulb 7 a.m.	Means of 1881–1915. Daily Maximum.	Means of 1881–1915. Daily Minimum.	Absolute Extremes. 1881–1915. Maximum. Temp.	Maximum. Year.	Minimum. Temp.	Minimum. Year.	RAINFALL 1881–1915. Days with Rain.	Total Fall. mm.	Total Fall. in.	BRIGHT SUNSHINE. 1881–1915. Daily Mean.	Per Centage of Possible Duration.
		mb.	°F.	°F.	°F.	°F.		°F.			mm.	in.	hr.	%
OCTOBER.	Lerwick	1011·2	47·3	50·1	42·3	63	1908	28	1887	24	100	3·95	—	—
	Stornoway	1010·0	47·1	52·2	41·2	70	1898	27	1892	23	132	5·18	2·77	28
	Castlebay (Barra Isd.)	[1011·6]§	[50·5]§	[53·6]§	[47·7]§	[63]§	[1908]§	[34]§	[1909, 1913]§	[20]§	[86]§	[3·39]§	[2·55]§	[25]§
	Eskdalemuir	[1014·4]¶	[42·4]¶	[51·5]‖	[38·5]‖	[65]‖	[1910]‖	[19]‖	[1911]‖	[15]‖	[100]‖	[3·93]‖	[2·39]‖	[23]‖
	Malin Head	1009·3	49·3	[53·2]*	[45·6]*	[73]*	[1908]*	[32]*	[1892]*	[20]*	[75]*	[2·95]*	—	—
	Blacksod Point	1009·4	51·0	[54·7]*	[46·0]*	[71]*	[1908]*	[29]*	[1905]*	[23]*	[127]*	[4·99]*	—	—
	Valencia	1010·2	51·2	56·4	46·6	71	1908	28	1892	22	142	5·57	3·26	31
	Roche's Point	1011·2	51·0	56·2	46·4	65	1884, 86, 1914, 15	32	1881	19	104	4·09	—	—
	Birr Castle	1010·7	46·8	55·0	40·7	74	1908	22	1905	18	74	2·91	3·16	30
	Donaghadee	1011·3	49·2	54·3	44·3	66	1898	21	1892	18	73	2·88	—	—
	Liverpool (Observatory)	1012·5	47·9	54·1	44·8	73	1908	27	1895	18	83	3·27	[2·81]§	[27]§
	Holyhead	1011·5	51·3	55·1	46·9	75	1908	32	1892	19	101	3·99	[2·87]**	[28]**
	Pembroke (St. Ann's Hd.)	1011·4	51·6	55·6	48·1	67	1908	33	1895	19	106	4·19	3·29	31
	Scilly (St. Mary's)	1011·3	53·2	57·5	50·1	69	1895	38	1895, 1896	21	93	3·66	3·81	36
	Falmouth	1012·5	51·0	56·3	47·7	67	1895	33	1895	21	126	4·96	3·74	35
	Jersey (St. Aubin's)	1013·3	53·4	59·0	49·1	76	1908	33	1887	20	116	4·55	4·06	38
	Portland Bill	1012·2	53·8	56·9	48·8	[67]†	[1908]†	[35]†	[1905, 1908]†	17	94	3·68	—	—
	Dungeness	1013·2	52·1	57·4	46·0	70	1886, 1908	23	1890	17	89	3·52	—	—
	Dover	[1015·5]§	[50·7]§	[57·5]§	[46·6]§	[74]§	[1908]§	[30]§	[1909]§	[18]§	[106]§	[4·18]§	[3·81]§	[36]§
	Wick	1011·0	47·0	52·2	41·0	73	1898	22	1885	21	75	2·96	—	—
	Nairn	1010·9	44·2	53·1	39·0	76	1908	19	1896	19	60	2·35	[3·29]‡	[33]‡
	Aberdeen	1012·2	46·6	52·8	41·7	74	1883	25	1880	20	76	3·00	3·06	30
	Leith	1011·9	47·7	54·8	42·1	75	1908	25	1894	17	61	2·41	—	—
	Tynemouth	1012·6	47·9	54·1	42·4	77	1908	27	1890, 92, 95, 1909	17	76	3·01	—	—
	Spurn Head	1012·8	50·7	54·6	45·9	70	1900	33	1887, 1895	17	61	2·40	[2·68]**	[26]**
	Yarmouth	1013·6	50·6	55·2	45·3	74	1900, 1908	27	1895	18	74	2·93	[3·35]§	[32]§
	Clacton-on-Sea	1013·7	51·0	55·7	45·7	[71]‡	[1908]‡	[29]‡	[1905]‡	14	49	1·91	3·61	35
	Nottingham	1013·3	46·6	55·3	41·7	78	1908	20	1890	19	63	2·49	2·68	26
	LONDON (Kew Obsy.)	1013·9	48·5	56·2	43·5	77	1886	25	1881, 1895	17	69	2·70	2·97	28
NOVEMBER.	Lerwick	1005·3	42·3	46·2	38·9	58	1901	24	1912	25	108	4·25	—	—
	Stornoway	1007·2	42·1	47·6	38·0	58	1897, 1901, 02	21	1912	24	148	5·83	1·43	19
	Castlebay (Barra Isd.)	[1007·8]§	[45·4	[48·5]§	41·6]§	56]§	[1914]§	[28]§	[1912]§	[24]§	[101]§	[3·96]§	[1·57]§	[20]§
	Eskdalemuir	[1009·4]¶	[37·6]¶	[43·2]‖	32·4]‖	54]‖	[1914]‖	[6]‖	[1912]‖	[20]‖	154]‖	[6·05]‖	2·03]‖	[25]‖
	Malin Head	1008·4	44·6	[48·6]*	41·7]*	59]*	[1894, 99, 1906]*	[30]*	[1909, 1912]*	[21]*	[83]*	[3·28]*	—	—
	Blacksod Point	1010·3	46·1	[50·2]*	42·0]*	60]*	[1897, 1899]*	[26]*	[1890]*	[24]*	[132]*	[5·21]*	—	—
	Valencia	1012·4	46·3	52·0	42·9	63	1881	27	1890, 96, 1901	23	139	5·46	2·17	25
	Roche's Point	1013·0	45·5	51·4	42·5	61	1908, 1909	27	1890	19	107	4·20	—	—
	Birr Castle	1011·8	40·6	49·3	36·8	64	1912	17	1909	19	79	3·10	2·13	25
	Donaghadee	1010·4	43·7	49·4	40·1	60	1894, 1909	27	1883	19	77	3·04	—	—
	Liverpool (Observatory)	1011·6	42·5	48·5	40·2	61	1894, 95, 99	25	1901, 05, 15	18	64	2·50	[2·27]§	[27]§
	Holyhead	1011·3	46·3	50·2	42·9	62	1881	29	1915	19	105	4·14	[2·50]**	[30]**
	Pembroke (St. Ann's Hd.)	1012·2	46·7	51·1	43·9	60	1911	28	1890	20	97	3·80	2·17	25
	Scilly (St. Mary's)	1013·2	48·7	53·2	46·3	61	1898	29	1890	20	83	3·27	2·50	28
	Falmouth	1013·9	45·1	51·6	43·9	60	1895, 1897	23	1890	20	122	4·80	2·53	29
	Jersey (St. Aubin's)	1014·2	47·9	53·0	44·3	66	1899	16	1890	21	104	4·08	2·53	28
	Portland Bill	1012·7	47·7	51·7	44·3	[61]†	[1900]†	[29]†	[1912]†	14	66	2·58	—	—
	Dungeness	1012·2	44·4	50·7	40·7	63	1899	17	1890	16	70	2·75	—	—
	Dover	[1012·9]§	42· §	[48·9]	[38·6]§	[60]§	[1914]§	[25]§	[1911]§	[16]§	[78]§	[3·07]§	[2·90]§	[33]§
	Wick	1006·6	41·5	46·9	37·0	62	1900	12	1909	20	80	3·14	—	—
	Nairn	1007·5	39·8	46·9	35·4	62	1906	12	1904	19	60	2·36	[1·70]‡	[22]‡
	Aberdeen	1008·3	40·7	46·8	37·4	62	1889	14	1909	19	75	2·05	1·83	23
	Leith	1009·0	42·0	48·5	38·0	63	1885	18	1885	15	50	1·95	—	—
	Tynemouth	1009·9	41·8	48·4	38·1	62	1894	20	1912	16	54	2·13	—	—
	Spurn Head	1010·4	43·8	48·2	40·8	61	1894, 1895	28	1884	16	47	1·85	[1·90]**	[23]**
	Yarmouth	1011·6	43·3	48·5	39·6	60	1895, 98, 99, 1904	23	1890	18	61	2·41	[2·33]§	[27]§
	Clacton-on-Sea	1012·4	43·0	48·5	39·7	[60]‡	[1908]‡	[25]‡	1904]‡	15	47	1·86	2·33	27
	Nottingham	1011·9	40·7	48·4	37·1	63	1895	13	1904	19	48	1·88	1·37	16
	LONDON (Kew Obsy.)	1013·2	41·9	49·1	38·8	52	1881, 94, 95	21	1901	16	56	2·22	1·73	20
DECEMBER.	Lerwick	1000·9	40·4	43·6	36·6	53	1890, 1905	19	1909	27	122	4·79	—	—
	Stornoway	1000·9	40·3	44·4	35·4	55	1898, 1913	16	1912	26	159	6·25	0·74	12
	Castlebay (Barra Isd.)	[1000·5]§	[44·1]§	[46·9]§	[40·1]§	[54]§	[1912]§	[26]§	[1912]§	[26]§	[146]§	[5·74]§	[0·77]§	[12]§
	Eskdalemuir	[1003·9]¶	[36·7]¶	[42·1]‖	[33·0]‖	[52]‖	[1910, 12]‖	[8]‖	[1912]‖	[26]‖	[104]‖	[8·04]‖	[0·74]‖	[11]‖
	Malin Head	1001·6	42·3	[45·7]*	[38·6]*	[55]*	[1900, 04, 13]*	[28]*	[1906, 1909]*	[24]*	[85]*	[3·35]*	—	—
	Blacksod Point	1003·0	44·4	[47·5]*	[39·9]*	[59]*	[1899]*	[25]*	[1906]*	[26]*	[155]*	[6·12]*	—	—
	Valencia	1005·8	45·4	49·8	41·1	57	1884, 88, 99, 1900	24	1886	26	169	6·64	1·52	17
	Roche's Point	1006·9	44·5	48·8	40·4	57	1906	25	1882	23	135	5·32	—	—
	Birr Castle	1005·2	40·5	46·1	35·0	58	1900	10	1882	21	84	3·29	1·39	19
	Donaghadee	1004·4	41·8	45·9	37·2	56	1885, 88, 94, 1909, 12, 13	21	1909	21	81	3·17	—	—
	Liverpool (Observatory)	1006·7	41·2	44·8	36·8	59	1891, 98, 1900	17	1882, 1890	19	67	2·65	[1·39]§	[19]§
	Holyhead	1005·8	44·5	46·9	39·9	56	1888	26	1890, 1902	20	106	4·16	[1·77]**	[24]**
	Pembroke (St. Ann's Hd.)	1006·9	45·5	48·1	41·3	57	1899, 1902	19	1890	22	115	4·52	1·35	18
	Scilly (St. Mary's)	1008·6	47·6	50·7	44·0	58	1899, 1900	30	1890	23	111	4·36	1·81	23
	Falmouth	1009·5	45·5	48·8	41·6	57	1899	25	1886, 1890	23	159	6·27	1·77	22
	Jersey (St. Aubin's)	1011·5	46·2	48·8	41·1	59	1898	22	1890	22	105	4·15	1·87	23
	Portland Bill	1009·1	46·5	48·1	41·2	[56]†	[1906, 07, 13]†	[24]†	[1908]†	19	75	2·94	—	—
	Dungeness	1009·5	43·2	46·2	37·1	56	1897, 98, 1900, 07	12	1890	17	70	2·77	—	—
	Dover	[1010·2]§	[42·4]§	[46·7]§	[38·4]§	[54]§	[1912, 14, 15]§	[18]§	[1908]§	[21]§	[105]§	[4·12]§	[1·45]§	[19]§
	Wick	1001·3	39·3	43·6	34·3	58	1905, 1907	10	1906	22	78	3·08	—	—
	Nairn	1001·9	37·4	43·0	32·1	58	1900	8	1912	19	56	2·22	[1·16]‡	[18]‡
	Aberdeen	1003·1	38·5	42·9	34·2	57	1885, 98, 1906, 10, 12	6	1882	19	82	3·22	1·16	18
	Leith	1003·8	40·5	41·8	35·0	60	1896	6	1882	17	51	2·00	—	—
	Tynemouth	1005·2	40·0	44·3	34·7	59	1898	19	1882, 86, 91, 92, 1908	16	55	2·18	—	—
	Spurn Head	1006·5	40·7	43·6	36·4	56	1898, 1912	19	1891	16	51	1·99	[1·32]**	[18]**
	Yarmouth	1008·6	40·6	43·6	35·2	60	1901	18	1899, 1906	18	62	2·44	[1·23]§	[16]§
	Clacton-on-Sea	1009·6	40·8	43·4	35·8	[55]‡	[1904]‡	[17]‡	[1908]‡	15	45	1·77	1·52	20
	Nottingham	1007·7	39·9	44·2	33·9	59	1912	9	1908	20	61	2·39	0·90	12
	LONDON (Kew Obsy.)	1009·8	41·4	44·7	35·9	57	1882, 88 1902, 05, 07	11	1890	17	58	2·29	1·19	16

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

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

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

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21,132 B ..WEDNESDAY, 1st OCTOBER..1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. ...30th.....													
†Houton B. (Orkney)	1008·2	+2	SSW	3	r.	48	92	4	3-4000	C.Nb.	9	-	-	2
Eskdalemuir ...	1012·6	-2	SSW	5	o	53	75	6	2-3000	Nb.	8	A.Cu	2	*
†Stranraer ...	1012·1	-2	S	3	c	57	75	5	3-4000	Sr	3	Ci.S	4	*
†Lough Foyle ...	1007·3	-4	SSW	6	o	51	87	4	2-3000	F.Cu	10	—	-	4
Valencia (Cahire'n)	1005·4	-7	SSE	7	p	57	75	7	2-3000	St.C	7	A.St.	3	4
†Anglesey (Llangefni)	1014·0	-4	SSW	5	o	56	65	7	2-3000	Cu	4	A.Cu	5	6
Falmouth ...	1015·3	-4	SSE	3	b	59	65	7	-	Cu	2	-	-	*
†Calshot (Hants) ...	1017·0	?	SE	4	bc	58	75	8	5-7000	Cu	5	-	-	5
†Capel (Folkestone)	1018·3	-6	E	2	b	55	75	6	4-5000	Cu	1	-	-	3
Aberdeen ...	1010·0	-1	SW	2	om	56	?	5	-	Nb.	10	-	-	2
†East Fortune ...	1011·6	-1	SW	3	o	57	75	7	3-4000	Nb.	7	Ci.C	2	*
Flamboro Hd. ...	1016·5	-3	SW	4	c	55	55	6	-	-	-	Ci.S	4	*
†Felixstowe ...	1019·4	-4	S	4	b	58	75	6	5-7000	Cu	2	-	-	4
†Cranwell (Lincs)	1017·1	-5	S	3	bc	57	65	7	5-7000	F.Cu	1	Ci	4	*
†Bedford ...	1017·4	-5	S	3	bz	58	55	?	2-3000	F.Cu	1	A.Cu	1	*
Benson	1016·4	-6	SSE	3	c	56	65	6	-	-	-	-	-	*
London (Kew Ob.)	1017·3	-7	SSW	3	bc	56	55	6	-	Cu	5	-	-	*
	1H. G.M.T. OF ...1st.....													
†Houton B. (Orkney)	1001·9	-3	SSE	5	q	49	87	5	1-1500	Sr	7	A.St.	3	2
Eskdalemuir ...	1006·2	-4	S	1	b	40	92	8	-	Cu	1	-	-	*
†Stranraer ...	1003·1	-3	S	4	o	53	97	-	2-3000	Sr.	10	-	-	*
†Lough Foyle ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Valencia (Cahire'n)	994·7	-2	SSE	6	o	51	*	*	*	*	*	*	*	*
†Anglesey (Llangefni)	1005·1	-2	SSW	3	b	48	75	-	-	-	-	-	-	5
Falmouth ...	1004·6	-5	S	3	c	53	87	5	-	C.Nb	8	-	-	*
†Calshot (Hants) ...	1009·8	-6	SSE	2	o	50	92	6	1½-2000	Sr	10	-	-	5
†Capel (Folkestone)	1010·5	-5	SE	3	o	52	87	5	1½-2000	Sr	9	-	-	4
§Aberdeen ...	1004·1	-3	S	3	c	50	92	5	2-3000	S.Cu	7	-	-	*
†East Fortune ...	1004·9	-6	S	1	b	47	82	-	3-4000	St	2	—	—	*
Flamboro Hd. ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
†Felixstowe ...	1011·0	-4	SSW	4	bc	55	75	6	-	S.Cu	4	-	-	4
†Cranwell (Lincs)	1009·8	-6	SSE	1	bw	37	97	4	2-3000	Sr.	2	-	-	*
†Bedford ...	1009·5	-4	ESE	1	o.w	42	92	3	3-4000	Sr	10	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1009·0	-5	ESE	1	c	50	*	*	*	*	*	*	*	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF ...30th.....													
†Houton B. (Orkney)	1011·2	-3	S	3	cz	48	82	6	-	S.Cu	4	A.Cu	2	*
Eskdalemuir ...	1018·3	-2	S	4	o	53	92	3	2-3000	St	10	-	-	*
†Stranraer ...	1001·6	-8	SSW	9	o	51	87	6	2-3000	S.Cu	5	A.St.	5	4
Valencia (Cahire'n)	1001·3	-5	S	6	r.	55	92	6	1-1500	St.	4	A.St	6	4
†Anglesey (Llangefni)	1011·9	0	SSW	4	bc	55	55	6	3-4000	F.Cu	5	-	-	5
Falmouth ...	1011·3	-3	SSE	2	bc	63	75	7	-	Cu	2	A.Cu	2	*
†Calshot (Hants) ...	1012·9	-5	SE	4	bc	55	75	6	4-5000	M.Cu	2	-	-	4
†Capel (Folkestone)	1014·9	-4	SE	3	bz	52	82	6	3-4000	S.Cu	2	-	-	3
Aberdeen ...	1008·3	-3	S	3	cz	53	82	6	-	S.Cu	7	-	-	2
†East Fortune ...	1009·4	-1	SSW	1	om	52	82	6	5-7000	S.Cu	4	Ci	3	*
Flamboro Hd. ...	1013·8	-2	S	2	bc	52	65	5	-	-	-	A.St	4	*
†Felixstowe ...	1015·7	-3	S	3	bc	54	97	6	4-5000	St.	2	-	-	4
†Cranwell (Lincs)	1014·3	-4	S	1	om	50	92	4	2-3000	St.	10	-	-	*
†Bedford ...	1014·0	-2	SE	1	oz	53	65	-	3-4000	-	-	-	-	*
Benson	1013·1	-4	-	0	b	48	85	5	-	-	-	-	-	*
London (Kew Ob.)	1013·8	-3	SE	2	bm	52	65	5	-	-	-	-	-	*
	7H. G.M.T. OF ...1st.....													
†Houton B. (Orkney)	999·3	-3	SSE	7	om	48	87	4	2-3000	St.	7	A.St	3	3
Eskdalemuir ...	1000·8	-5	SE	1	om	43	92	6	-	-	-	Ci.Cu	9	*
†Stranraer ...	995·5	-4	SE	5	og	51	98	5	½-2000	St.	10	-	-	*
†Lough Foyle ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Valencia (Cahire'n)	994·7	0	WSW	4	bcp	54	75	8	2-3000	Cu	5	-	-	4
†Anglesey (Llangefni)	999·1	-6	S	3	o	51	75	6	2-3000	St.	3	A.St	7	4
Falmouth ...	1000·0	-4	SSW	5	om	54	92	5	-	St.	10	-	-	*
†Calshot (Hants) ...	1003·6	-8	SSE	3	b	56	92	6	2-3000	Cu	1	A.Cu	2	3
†Capel (Folkestone)	1005·0	-3	ESE	2	of.	51	98	1	½-1000	St.	10	-	-	2
§Aberdeen ...	1002·0	-3	S	4	bc3	50	82	6	-	St.	2	C.Cu	3	3
†East Fortune ...	1000·7	-5	SE	1	bc3	44	87	1	3-4000	St.Cu	6	A.St	4	*
Flamboro Hd. ...	1004·5	-4	SSW	5	o	49	75	5	2-3000	St.Cu	10	-	-	*
†Felixstowe ...	1005·4	-4	SSW	4	c	55	82	6	2-3000	St.	4	A.Cu	3	3
†Cranwell (Lincs)	1004·5	-5	ESE	1	o	43	98	4	4-5000	St.Cu	7	A.St	2	*
†Bedford ...	1004·9	-2	ESE	1	ow	44	92	2	2-3000	St.	10	-	-	*
Benson	1002·9	-3	ESE	3	o.	46	92	5	-	Cu	9	-	-	*
London ... ... (M.O. at 1H.)	1004·4	-2	ESE	1	om	48	87	4	-	St.Cu	9	-	-	*

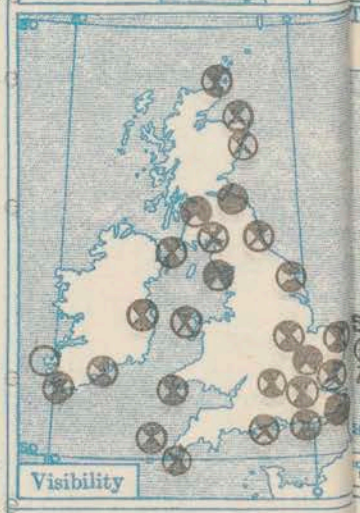
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of ...30th.....					7H. G.M.T. of ...1st.....									24 HOURS ENDED 7H. ...1st.....						...30th...
Lerwick ...	1008·1	50	S	2	omr	1002·2	-2	51	+1	S	4	S	cm	3	2	53	50	bcm	omr	omr	*
Stornoway ...	1001·9	53	SSW	4	op	993·5	-3	52	+3	SSE	6	-	opq	5	9	53	48	copq	cop	opq	0.0
Castlebay (Barra Is)	1000·5	53	SSE	5	or	992·6	-5	52	+1	SE	5	-	or	6	8	54	50	rd.	dr	or	0.0
Glasgow ...	1008·6	52	S	3	oum	999·4	-6	46	-5	SE	4	5	ou	*	0.3	56	46	omd.p	o.c.ogm	omq	0.3
Malin Head ...	998·9	53	S	5	cm	989·6	-4	49		S	5	S	omr	3	2	57	49	cm	cmp	omr	0.0
Blacksod Point	995·9	56	S	8	omr	990·1	-2	52		SW	2	-	om	2	24	57	49	omr	op	omr.	*
Roche's Point...	1005·9	56	S	5	o	994·9	-1	52	-3	WSW	3	-	o	4	9	58	52	o	op.o	or	*
Birr Castle ...	1003·8	54	S	4	o	992·6	*	50	0	S	1	-	r	*	8	56	49	c	c.o	or	0.7
Donaghadee ...	1008·5	53	S	4	om	997·2	-4	52	0	S	4	-	om	4	-	58	51	cm	om	om	*
Liverpool (Bidston)	1011·0	53	SSE	2	o	1000·2	-4	45	0	ESE	3	S	o	3	-	58	44	bc	o	bc.o	5.3
Holyhead ...	1009·2	54	SSW	5	bqg	997·5	-6	53	-1	S	6	-	oqmg	5	-	58	49	cpbcc	coeqg	oq.c.bo	3.6
Pembroke (St. Ann's Head)	1009·8	54	S	4	bq	997·8	-5	55	+2	S	4	-	oq	5	-	56	52	bec	cbc	cq.oq	6.9
Scilly (St. Mary's)	1011·0	53	SE	4	o	998·0	-4	57	+4	SSE	5	SW	c	5	-	58	50	bcb	bo	bc.c	7.8
Jersey (St. Aubin)	1011·5	57	ESE	3	b	1001·8	-2	54	+2	ESE	2	-	c	2	-	61	46	b	b	bw.c	10.3
Portland Bill ...	1012·4	55	ESE	4	b	1001·3	-3	57	+1	ESE	3	-	b	3	-	59	53	bc	bcb	bc	*
Dungeness ...	1013·7	55	S	3	b	1004·3	-3	53	0	S	3	S	c	3	-	59	52	b	b	bc.c	*
Wick	1004·0	52	SSW	1	o	999·7	-2	51	+1	SSW	4	-	bcm	4	5	53	50	bcomr	omr	om.bc	*
Nairn	1005·2	53	NNW	1	c	997·6	*	51	+1	-	0	-	cq	0	0.1	58	49	cq	dcq	cq	0.0
Leith	1008·6	54	SW	2	o	999·4	-2	45	-10	SE	2	-	cm	1	-	59	45	o	o.c.o	o.cm.c	*
Tynemouth ...	1011·2	54	WSW	1	bcm	1002·7	-4	47	-7	SSW	3	-	om	3	0.1	59	45	om	om	bcm	*
Spurn Head ...	1014·1	49	S	3	bc	1005·2	-3	50	+4	S	4	-	o	4	-	59	45	bc	bc	bc.o	*
Yarmouth (Gorleston)	1016·0	53	SW	5	bc	1006·1	-6	54	+13	S	4	-	bc	4	-	58	41	bcbc	bc	bc.bc	10.1
Clacton-on-Sea	1014·8	54	SE	3	bc	1004·9	-4	55	+12	SE	3	S	c	3	-	58	42	b.bc	bc	bc.c.o.c	10.6
Nottingham ...	1013·5	51	S	1	b	1003·3	*	45	+7	E	1	S	c	*	-	60	37	cbc	b.	b	6.9

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 1st October, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	S-SE 5-10	Moderate	Cloudy to dull, some mist, coastal fog.	var.	slight
2. E. England	S-SE 5-10	mild	Fair to dull, local mist	ord.	"
3. E. Midlands	E-SE 5-10	v.cool	Cloudy to dull	"	---
4. W. Midlands	E-SE 2-5	"	Dull	"	---
5. S.W. England	S-SE 10-15	Moderate	Fair to dull, local mist	"	moderate
6. South Wales	S 15-20	"	Dull, squally	"	r. rough
7. North Wales	S 10-20	"	Dull, squally, local mist	good	"
8. N.W. England	SE-E 10-20	"	Dull, misty	poor	moderate
9. N. Midlands	SE-E 5-10	r.cool	Cloudy to dull	ord.	---
10. N.E. England	S 10-15	"	Cloudy to dull	ord.	Moderate
11. E. Scotland	E-SE 5-15	Moderate	Fair to cloudy, some haze	var.	"
12. S.W. Scotland	SE-S 15-20	"	Dull, threatening, some mist.	ord.	slight
13. Isle of Man	S-SE 15-20	"	Dull	---	Moderate
14. N.&N.W.Scotland	S-SE 15-20	"	Fair to dull	poor	"
15. Hebrides	S-SE 25-30	r. mild	Dull, squally, rain	"	rough
16. Orkneys and Shetlands	S-SE 15-25	Moderate	Cloudy to dull, misty.	"	slight
17. N.W. Ireland	S-SW 15-20	"	Dull; local rain	ord.	Moderate
18. N.E. Ireland	S 15-20	"	Dull	"	"
19. S.E. Ireland	S-SE 10-15	"	Dull, rain	poor	r.rough
20. S.W. Ireland	SW-W 10-15	"	Fair to dull, local showers	good	moderate



EXPLANATION.

BAROMETER.—Isobars are drawn to 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. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in degrees F.

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

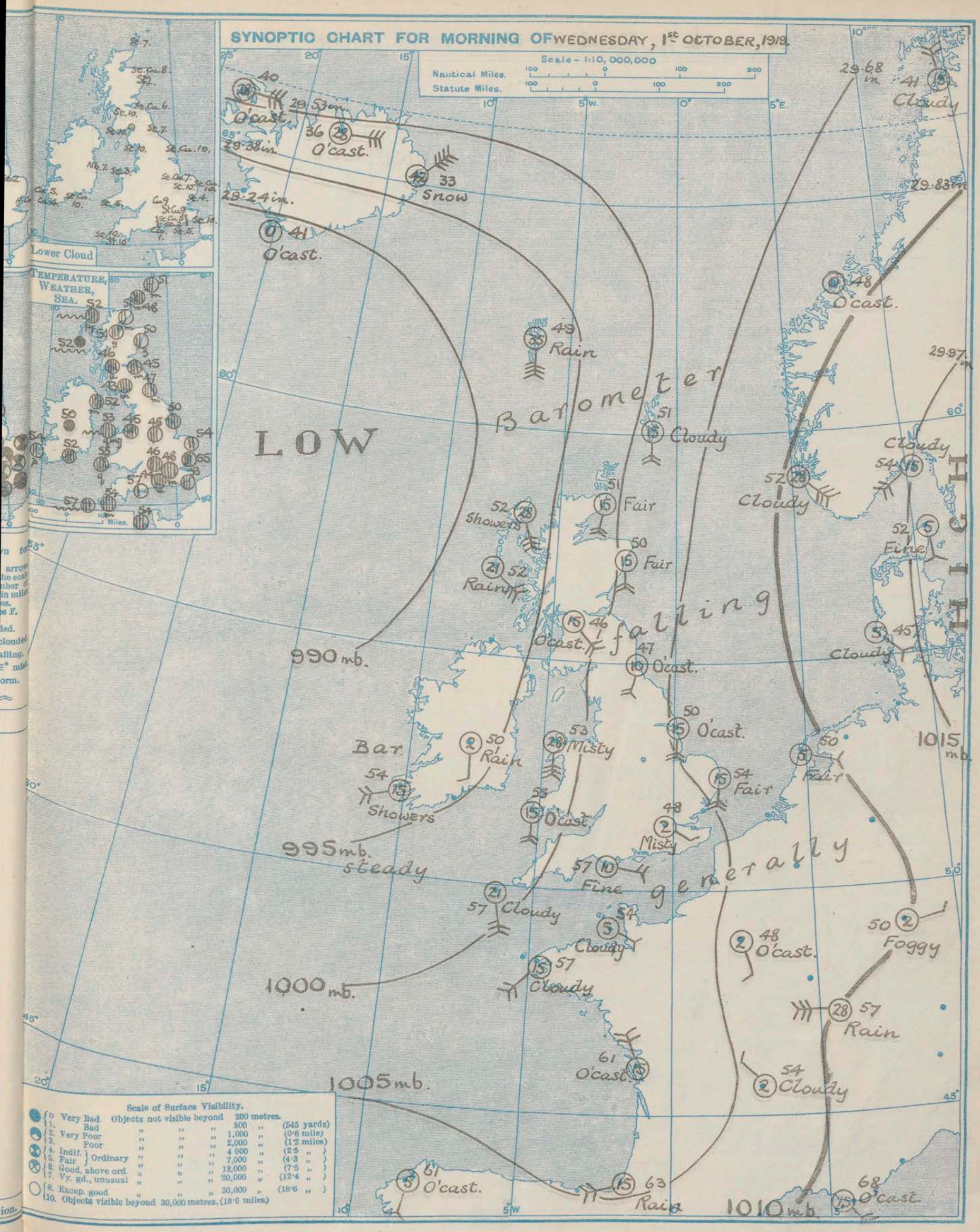
SEA DISTURBANCE.—
Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

An extensive depression off our western coasts is spreading northeast. Fresh or strong southerly winds and unsettled weather generally seem probable.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday 1st October, 1919.	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands	Moderate SE'ly breezes veering to S and later to SW. increasing to a fresh breeze at times. Cloudy, local showers. Moderate temperature.	Conditions are likely to continue unsettled beyond the period of the forecast.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Fresh or strong S'ly to SW'ly winds. Cloudy or dull, some showers or rain at times. Moderate temperature.	
10. N.E. England 11. E. Scotland	Winds between SE and S moderate to fresh, strong locally. Dull, some showers or rain at times. Moderate temperature.	
12. S.W. Scotland 13. Isle of Man 14. N.&N.W.Scotland 15. Hebrides 16. Orkneys and Shetlands	Fresh to strong S'ly or SE'ly winds. Dull, some rain. Moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh or strong S'ly to SW'ly or W'ly winds. Cloudy, some showers or rain at times. squally. Moderate temperature.	

Meteorological Office, Exhibition Road, London, S.W. 7. SIR NAPIER SHAW, F.R.S., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Division.


SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 1st OCTOBER, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
LOW
Barometer falling generally
HIGH
990 mb.
995 mb. steady
1000 mb.
1005 mb.
1010 mb.
1015 mb.
Bar.
29·53 in.
29·38 in.
29·24 in.
29·68 in.
29·83 in.
29·97 in.
O'cast.
Snow
Rain
Cloudy
Fair
Showers
Fine
Misty
Foggy
Scale of Surface Visibility.
0 Very Bad. Objects not visible beyond 200 metres.
1. Bad " " " 500 " (545 yards)
2. Very Poor " " " 1,000 " (0·6 mile)
3. Poor " " " 2,000 " (1·2 miles)
4. Indif. } Ordinary " " " 4 000 " (2·5 ")
5. Fair } " " " 7,000 " (4·3 ")
6. Good, above ord. " " " 12,000 " (7·5 ")
7. Vy. gd., unusual " " " 20,000 " (12·4 ")
8. Excep. good " " " 30,000 " (18·6 ")
10. Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 274. B {Wednesday, 1st October

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 30th September.

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 29th	Rainfall. Day. 9h-17h. 30th	Sunshine. to 17h. 30th	Sunshine. Sunrise to Sunset. 29th
Scotland.	Oban	or o	or o	55	49	2	0·2	-	-
	Banff	o	op	55	43	-	2	-	0·7
	Montrose	o	o	58	45	-	-	0·3	1·4
	St. Andrews	o	c	58	52	-	·	0·5	0·7
England, N.E.	Harrogate	bc	bbc	58	36	-	-	5·7	3·4
	Skegness								
	Scarboro			58	47	-	-	6·7	6·0
England, E.	Felixstowe	b	bc	58	39	-	-	10·7	9·4
	Walton-on-Naze								
	Southend-on-Sea								
England, S.E.	Margate	b	b	58	43	-	-	10·2	10·1
	Ramsgate	b	b	68	41	-	-	10·0	0·7
	Folkestone	bv	bz	61	43	-	-	9·0	10·2
	Hastings	b	b	59	43	-	-	10·0	10·9
	Eastbourne	cbc	bbc	59	37	-	-	9·6	10·7
	Brighton	cb	b	59	37	-	-	9·2	1·0
	Worthing	bcb	b	60	37	-	-	8·6	10·5
	Littlehampton	bc	bc	57	52	-	-	8·2	10·2
	Bournemouth								
	Tunbridge Wells	b	b	59	33	-	-	8·3	9·9
England, N.W.	Douglas (I.O.M.)								
	Blackpool	c	c	60	47	3	-	4·7	1·7
	Southport	cbc	bcc	59	46	0·2	-	6·2	3·0
Midlands.	Buxton	bcbbc	bcbcc	54	40	-	-	5·0	5·8
	Leamington Spa	cbbc	cbbcb	59	36	-	-	4·8	9·0
	Malvern								
	Ross-on-Wye	bcbyc	ocbc	59	36	-	-	6·2	9·2
Wales.	Rhyl	c	bc	61	45	-	-	7·4	2·4
	Colwyn Bay								
	Llandudno	b	b	59	49	1	-	7·5	2·0
	Aberystwyth	cbc	bco	59	53	-	-	7·5	5·5
England, S.W.	Weymouth								
	Teignmouth								
	Torquay	obcb	bbcb	59	40	-	-	5·7	9·7
	Paignton	cm	bc	59	34	-	-	5·0	9·7
	Penzance	bbc	bc	58	45	-	-	10·0	9·8
	Newquay								
	Bude								
	Ilfracombe								
	Weston-s-Mare	bbc	cbc	61	41	-	-	7·5	10·0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-18h 30th	Weather 18h-18h 30th	Weather 18h 30th-1h 1st	Weather 1h-7h 1st	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	q.z		e.f.p.	fq	51	46	*	*	*	*
Eskdalemuir	odmom	opcz	czobcb	b.bc.cm	53	38	32	3	-	0·4
†Stranraer	c.o	c.o	o	cpd	58	50	*	*	*	*
†Lough Foyle	op.	r.					*	*	*	*
Valencia (Cahirciveen)	o	odor	a.o.c.b		58	51	48	2	?34	0·2
†Anglesey (Llangefni)	cq	bq		c.o	56	45	*	*	*	*
Falmouth	cbcby	cbcyv	bcbbc	c.o	60	42	45	-	-	9·2
†Calshot (Hants)	c.o	bbc	bcc	o	58	40	*	*	*	*
†Capel (Folkestone)	b.bc.v	b.z.	bbcz	oef	55	45	*	*	*	*
Aberdeen	om.r.om	omcm.	cm.	bc3	57	49	44	2	-	0·0
†East Fortune	co.pd.	co	b	z	59	51	*	*	*	*
†Flamboro. Hd.	bcez	bbez		bc.	56	45	*	*	*	*
†Felixstowe	bbcz	bbcz	bcco	bc.cq	59	40	*	*	*	*
†Cranwell (Lincs)	bcc	bcco	c.o.bc	b.bcx	59	33	*	*	*	*
†Bedford	z	bc.cz.	bz	omw	59	33	*	*	*	*
Benson	bcc	b	bc.c		59	33	28	-	-	*
London (Kew Obsy.)	bcmwbc	bcybm	bm.bcm.om		60	33	28	-	-	7·7

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora — Solar halo
Rime — Lunar halo
Glazed frost — Solar corona
Glazed roads — Lunar corona

LONDON. OBSERVATIONS.

24 Hours ended 9h G.M.T. 1st

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. To-day.	Humidity % 9 h. G.M.T. To-day.
Greenwich (Royal Observatory)	b.bc	bc.b	b.c.o	61	39	24	-	11·0	55	83
City (Bunhill Row)	*	*	*	*	*	*	*	6·3	*	*
Westminster (St. James's Park)	*	*	*	61	48	39	*	6·9	58	78
" (Admiralty Arch)	bcf.bc	b.bm	bcc.bcm	61	49	*	-	7·1	61	81
Camden Sq. (British Rainfall)	cm.bc	bc.c	*	63	40	36	-	5·0	56	81
Kensington Palace	b	b.	*	61	43	32	-	*	18h.63	77

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 1006 Joules.

Milliwatts.
Average Rate. 23·9
Maximum Rate. 54

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

1st & 2nd October 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.56	11.43	5.30
	5.57	11.42	5.27
Greenwich	6.2	11.50	5.38
	6.3	11.49	5.36
Wick	6.19	12.2	5.45
	6.21	12.1	5.42
Valencia	6.43	12.31	6.19
	6.44	12.30	6.16

NOTES ON THE WEATHER OF YESTERDAY.

Over the south and east of England the day remained fair or fine and several stations recorded more than 10 hours of sunshine. Elsewhere the day was cloudy or dull with rain or showers and little sunshine. Temperatures were generally moderate. At night minima of 32°F and 33°F were recorded at some inland stations in southeast England. At Greenwich the grass minimum thermometer fell to 24°F.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 24,133.B ....THURSDAY, 2ND OCTOBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. ....1st....													
†Houton B. (Orkney)														
Eskdalemuir ...	996.1	-4	S	4	orm	50	75	4	1½-2000	Nb.	7	A.Sr	6	*
†Stranraer ...	994.3	-4	SE	7	r.q	52	97	2	2-3000	Nb	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	996.9	+2	WSW	4	bc	55	75	10	3-4000	Sr.	4	A.Cu	2	4
†Anglesey (Llangefni)	995.5	0	SSW	3	r	54	92	5	2-3000	Sr	10	-	-	4
Falmouth ...	999.6	+3	W	3	c	58	75	6	-	C.Nb.	5	A.Cu	3	*
†Calshot (Hants) ...	999.6	-2	SW	2	o	56	92	6	2-3000	Sr	10	-	-	4
†Capel (Folkestone)	1000.7	-3	SE	2	o	58	92	1	2-3000	Sr	9	-	-	3
Aberdeen ...	998.8	-2	SSE	5	oq	52	75	7	-	Sr	10	-	-	4
†East Fortune ...														*
†Flamboro Hd. ...	1000.0	-5	SSE	5	c	53	75	6	2-3000	S.Cu	7	-	-	*
†Felixstowe ...	1001.8	-4	S	3	o	57	92	2	1-1500	Sr	9	A.Sr	1.	3
†Cranwell (Lincs)	999.3	?	SSE	4	c	60	75	6	2-3000	Cu	5	Ci	2	*
†Bedford ...	999.3	-6	S	2	of	62	65	-	1½-2000	Sr	9	-	-	*
Benson	998.6	-4	SSW	2	o	61	75	5	-	-	-	-	-	*
London (Kew Ob.)	999.0	-5	SSW	3	c	64	65	7	1½-2000	Cu	4	A Cu	3	*
	1H. G.M.T. OF ....2nd....													
†Houton B. (Orkney)	993.1	+3	?	4	q	49	92	4	1½-2000	S.Cu	9	-	-	5
Eskdalemuir ...	998.9	+2	-	0	bcz	41	92	5	-	Sr.	5	-	-	*
†Stranraer ...	997.4	+8	NW	4	c	48	97	-	3-4000	Cu	5	-	-	*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1010.3	+7	WNW	6	bcp	50	*	*	*	*	*	*	*	*
†Anglesey (Llangefni)														
Falmouth ...	1007.8	+6	WNW	6	bq	51	75	6	-	C.Nb	2	-	-	*
†Calshot (Hants) ...	1003.6	+2	W	2	o	50	87	7	2-3000	S.Cu	10	-	-	2
†Capel (Folkestone)	1002.7	+4	W	4	c	51	92	6	1-1500	S.Cu	6	-	-	4
§Aberdeen ...	994.9	0	S	2	c	47	97	3	-	-	-	A.Cu	7	*
†East Fortune ...	997.1	+3	WSW	2	c	48	82	-	4-5000	S.Cu	5	A.Sr	3	*
†Flamboro Head..														*
†Felixstowe ...	1001.8	+4	WNW	3	o	54	87	3	4-5000	Sr.	8	-	-	4
†Cranwell (Lincs)	1000.5	+4	WSW	3	om	48	97	3	1½-2000	Sr	10	-	-	*
†Bedford ...	1001.7	+3	WSW	1	bcz	47	92	3	3-4000	Sr	2	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1002.6	+3	WSW	2	b	51	*	*	*	*	*	*	*	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF ....1st....													
†Houton B. (Orkney)														
Eskdalemuir ...	995.7	-1	S	3	orm	49	97	3	2-3000	Nb	10	-	-	*
†Stranraer ...	992.3	+4	WSW	5	c	51	92	7	2-3000	Cu	8	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1002.9	+8	NW	4	bc	51	75	8	3-4000	Sr.C	4	-	-	4
†Anglesey (Llangefni)														
Falmouth ...	1001.7	+2	WSW	3	bcp	53	75	5	-	S.Cu	2	A.Sr	4	*
†Calshot (Hants) ...	1000.4	+2	W	2	r.f	58	87	3	½-1000	Nb.	10	-	-	4
†Capel (Folkestone)	999.3	-1	WSW	3	of	56	97	1	½-1000	Sr.	10	-	-	3
Aberdeen ...	996.2	-3	S	3	orm	51	82	6	-	Nb	10	-	-	4
†East Fortune ...														*
†Flamboro Hd. ...	998.5	0	S	3	om	54	92	4	2-3000	Sr.	10	-	-	*
†Felixstowe ...	999.4	-0	-	0	c	58	92	2	2-3000	Sr.	9	-	-	3
†Cranwell (Lincs)	998.4	+1	SW	1	r.f.	54	97	4	1½-2000	Nb.	10	-	-	*
†Bedford ...	998.4	+1	WSW	3	r.f	57	87	0	1½-2000	Sr.	10	-	-	*
Benson	998.6	0	SW	1	o	54	97	6	-	Sr.	10	-	-	*
London (Kew Ob.)	997.2	0	SW	2	od	57	75	4	2-3000	Sr.	9	-	-	*
	7H. G.M.T. OF ....2nd....													
†Houton B. (Orkney)														
Eskdalemuir ...	1004.1	+7	W	2	b	44	87	7	-	Cu	2	a.cu	1	*
†Stranraer ...	1004.8	+3	NW	2	do	42	98	5	1½-2000	St	10	-	-	*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1015.5	+6	WNW	3	bc	52	65	-	-	Cu	5	a.cu	1	4
†Anglesey (Llangefni)														
Falmouth ...	1008.0	+5	NW	3	oq	87	87	6	½-1000	Nb	7	a.cu	2	5
†Calshot (Hants) ...	1012.8	+5	WNW	5	bw	50	75	7	-	Cu	2	-	-	*
†Capel (Folkestone)	1009.1	+6	WSW	2	b	48	92	7	5-6000	Cu	1	a.St	1	3
§Aberdeen ...	1007.5	+7	W	3	v	49	98	8	1-1500	Cu Nb	7	a.St	3	4
†East Fortune ...	1000.5	+5	W	2	b	45	82	7	-	-	-	7 Ci	2	2
†Flamboro Head..	1001.4	+6	WNW	1	bc	45	92	5	3-4000	St.Cu	1	a.St	1	*
†Felixstowe ...														*
†Cranwell (Lincs)	1006.6	+5	NW	2	bc	48	92	5	4-5000	St.Cu	2	a.cu	2	3
†Bedford ...	1005.2	+4	WSW	2	c	45	98	6	2-3000	St	5	Ci	2	*
Benson	1006.1	+4	SW	1	do	56	98	3	4500	St.Cu	7	-	-	*
London	1006.7	+6	W	1	c	46	92	6	-	Cu	7	-	-	*
(M.O. at 1H.)	1007.7	+6	WSW	1	bc	48	92	5	4-5000	St.Cu	2	Ci	1	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

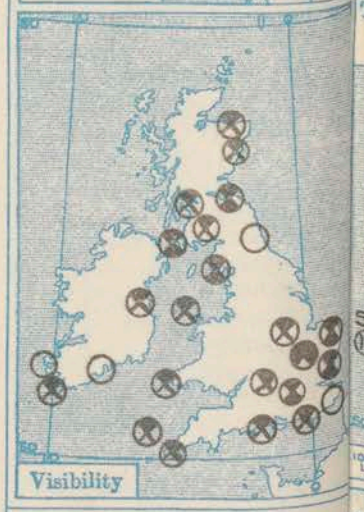
STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of ....1st....					**7H. G.M.T. of ....2nd....**									**24 HOURS ENDED 7H. ....2nd....**						**....1st....**
Lerwick ...	999.5	51	SE	6	cm	997.6	+1	51	0	S	3	-	omd	2	0.2	52	50	cm	bcm	om	*
Stornoway ...	989.9	53	SSE	5	opq	1000.7	+6	47	-5	W	4	-	c	3	7	56	45	o	op	o.cp	0.0
Castlebay (Barra Is)	990.3	50	W	4	o	1004.7	+5	51	-1	WNW	4	NW	cp	4	5	53	48	r	ro	or.cp.c	0.0
Glasgow ...	995.1	50	SSW	3	omr	1003.8	+6	44	-2	W	2	NW	b	*	2	51	43	ou.omr	omdp	o.bcp.b	0.0
Malin Head ...	?	52	SW	3	bc	1004.3	+4	50	-	W	4	W	bcp	3	5	57	43	om	bc.ph	cp	2.7
Blacksod Point	997.0	51	WNW	3	cp	1009.9	+7	51	-1	NW	4	-	cp	3	8	56	46	ocph	ocp.bc	cp.bcp	*
Roche's Point...	1000.4	52	W	3	bc	1014.4	+5	49	-3	W	3	-	o.b	2	5	57	46	~~bcp~~ ocphl	c	b	*
Birr Castle ...	998.8	48	W	2	c	1011.8	*	54	+4	WSW	1	W	c	*	1	58	43	or.c	c	c	5.0
Donaghadee ...	995.4	48	WSW	1	bcm	1006.2	+4	45	-7	W	2	-	bc	2	9	56	44	omr	cmp	bcmp	*
Liverpool (Bidston)	996.9	51	SSW	2	c	1005.8	+4	48	+3	WNW	5	NW	oq	4	7	53	45	or	c	bcp.o	0.1
Holyhead ...	997.1	54	SW	4	b	1007.7	+6	50	-3	NW	6	NW	bq	5	2	57	49	opdqm	opo.cb	b.bc cp	1.5
Pembroke (St. Ann's Head)	999.6	55	W	4	b	1011.5	+6	51	-4	WNW	4	NW	bcq	5	3	56	50	oq	oqp	bq.bcq	3.3
Scilly (St. Mary's)	1002.0	53	WNW	6	bc	1014.9	+5	54	-3	NW	6	NW	b	5	2	61	50	bcpq	bc	bc.b	5.7
Jersey (St. Aubin)	1002.0	56	W	2	c	1012.6	+3	54	0	W	5	W	b	3	5	61	53	co.bc	bco.pc	op.klq	1.3
Portland Bill ...	999.8	57	WNW	4	c	1009.6	+6	54	-3	WNW	6	NW	bc	5	2	59	53	op	op	bcqr.	*
Dungeness ...	998.8	59	SW	3	c	1006.7	+4	51	-2	WSW	3	W	c	3	3	64	50	cp.tc	c.bc	cr.cp.c	*
Wick	994.9	50	S	7	omr	998.3	+4	46	-5	W	2	-	omr	2	1	52	42	bcmom	om	omr.b.o	*
Nairn	992.2	52	E	1	o	1000.7	*	45	-6	-	0	-	bc	1	0.1	57	43	bcgc	cgu.	od.cg	1.5
Leith	993.6	53	S	2	o	1002.1	+3	44	-1	SW	2	-	b	2	-	54	44	cm.o.c	omd.o	om.c.b	*
Tynemouth ...	997.3	52	SW	2	bcm	1002.8	+3	46	-1	W	2	-	bcm	2	2	53	45	om	om	cm.bc	*
Spurn Head ...	997.6	55	SE	2	o	1003.3	+3	50	0	WNW	4	-	bc	4	3	57	48	do	o	o.bc	1.0
Yarmouth (Gorleston)	1010.0	56	S	3	o	1004.2	+4	46	-8	WNW	2	-	bcm	2	6	58	46	bcogm	ogmp	omr.op	1.5
Clacton-on-Sea	998.4	58	WSW	2	m	1006.0	+5	48	-7	W	3	W	bc	3	5	59	47	cogp	oco.gm	ogr.bc	1.3
Nottingham ...	997.9	53	SW	1	o	1005.2	*	45	0	WSW	2	W	c	*	3	61	43	c	cor	op	3.7

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside. † at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 2nd October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	W. 5-15	R.cool	Fair to cloudy.	Good	Slight
2. E. England	W-NW. 5-10	Cold	Fair to cloudy; local drizzle.	Ord.	"
3. E. Midlands	W. 2-5	R.cold	Cloudy.	Good	–
4. W. Midlands	W-NW. 5-10	"	Cloudy, local mist.	Ord.	–
5. S.W. England	W-NW. 25-30	R.cool	Fair, squally.	V.good	R.rough
6. South Wales	W-NW. 15-20	"	Fair, squally.	Good	"
7. North Wales	W-NW. 25-30	"	Fair to cloudy; squally.	"	"
8. N.W. England	W. 10-20	"	Fair to dull	"	Mod.
9. N. Midlands	W. 5-10	"	Cloudy; local mist.	"	–
10. N.E. England	W-NW. 15-20	R.cold	Fair.	"	Slight
11. E. Scotland	W. 2-5	"	Fair.	"	Smooth
12. S.W. Scotland	W-NW. 5-10	"	Fair generally, local drizzle.	"	"
13. Isle of Man	W-NW. 5-10	"	Fair to cloudy.	"	Slight
14. N.&N.W. Scotland	W. 2-5	R.cool	Cloudy to dull, local rain.	Ord.	"
15. Hebrides	W-NW. 15-20	Moderate	Cloudy, some showers.	–	Mod.
16. Orkneys and Shetlands	S-W. 5-10	Mild	Dull, some mist & drizzle	Poor	Slight
17. N.W. Ireland	W-NW. 15-20	Mod.	Fair to cloudy, local showers.	Ord.	"
18. N.E. Ireland	W. 5-10	V.cool	Fair to cloudy.	Good	"
19. S.E. Ireland	W. 5-10	"	Fair to cloudy.	"	Mod.
20. S.W. Ireland	W-NW. 10	Moderate	Fair.	V.good	"

Upper Cloud


Visibility

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. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in degrees F.

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

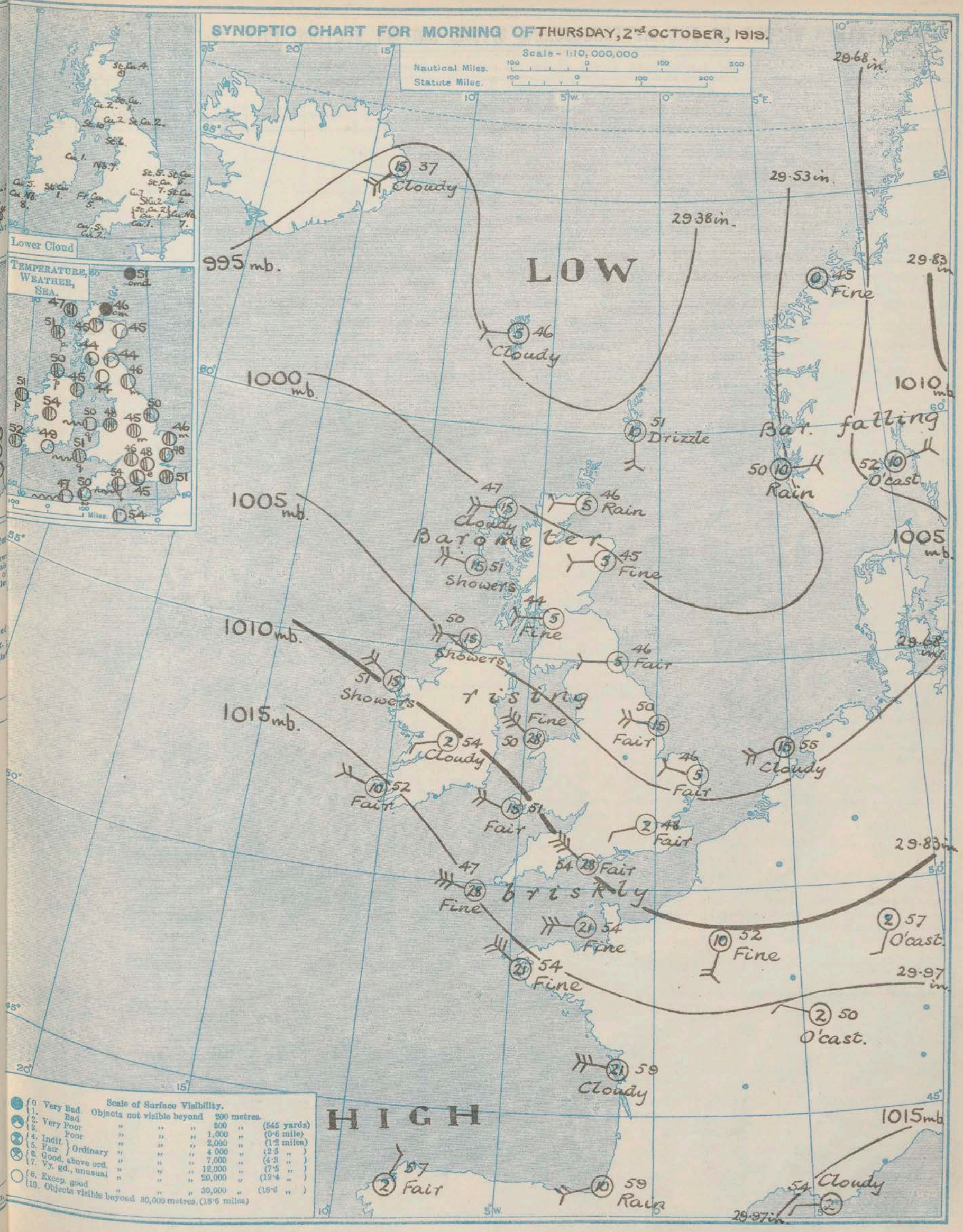
SEA DISTURBANCE.—
Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

Over the Kingdom the barometer is rising briskly in the rear of the "trough" of low pressure which has moved away eastward. The general character of the weather will probably be fair with showers locally. It seems probable that the wind will back again to W. or SW. on our western coasts by tomorrow.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Thursday, 2nd October, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands	Moderate Wly. or NWly. breezes. Variable cloud, perhaps local showers. Moderate temperature.	Unsettled.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Moderate or fresh Wly. to NWly. breezes probably backing to W. or SW. and moderating later. Variable cloud, showers locally. Moderate temperature.	
10. N.E. England 11. E. Scotland	Same as for Districts 1-4	
12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Moderate or fresh Wly. or NWly. breezes, probably backing to W. or SW. and moderating later. Variable cloud, showers locally. Moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate Wly. breezes probably backing to SW. later. Fair today less certain tomorrow. Moderate temperature or rather mild.	

Meteorological Office, Exhibition Road, London, S.W. 7. SIR NAPIER SHAW, F.R.S., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Division.


SYNOPTIC CHART FOR MORNING OF THURSDAY, 2nd OCTOBER, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
LOW
HIGH
995 mb.
1000 mb.
1005 mb.
1010 mb.
1015 mb.
29·68 in.
29·53 in.
29·38 in.
29·83 in.
29·97 in.
Bar. falling
Barometer rising briskly
Scale of Surface Visibility.
0 Very Bad.
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair } Ordinary
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
10. Objects visible beyond 30,000 metres, (18·6 miles)
Objects not visible beyond 200 metres.
500 " (545 yards)
1,000 " (0·6 mile)
2,000 " (1·2 miles)
4,000 " (2·5 ")
7,000 " (4·3 ")
12,000 " (7·5 ")
20,000 " (12·4 ")
30,000 " (18·6 ")

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 275. B {Thursday, 2nd October}

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 1st

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 30th	Rainfall. Day. 9h-17h. 1st	Sunshine. to 17h. 1st	Sunshine. Sunrise to Sunset 30th
Scotland.	Oban	-	-	51	48	0·3	2	-	-
	Banff	c.bc	cor	54	47	-	0·2	2·3	-
	Montrose	o	or	53	47	-	13	-	0·3
	St. Andrews	c	cp	54	42	-	1	0·9	0·5
England, N.E.	Harrogate	co	or	53	36	-	3	0·2	5·7
	Skegness								
	Scarboro'			59	45	-	-	2·9	6·7
England, E.	Felixstowe	bccm	opf	53	53	-	2	2·1	10·7
	Walton-on-Naze								
	Southend-on-Sea	omcor	or	61	49	-	3	1·3	—
England, S.E.	Margate	bccp	c	67	51	-	0·1	?	10·2
	Ramsgate	o	o	64	52	-	0·1	2·0	10·0
	Folkestone	ocro	o.bc	64	54	-	1	2·3	9·0
	Hastings	bbco	or	62	52	-	4	2·2	10·0
	Eastbourne	ocoro	ocoro	61	53	-	3	1·4	9·6
	Brighton	cor	op	61	50	-	4	1·6	9·2
	Worthing	cbc	or	61	48	-	0·2	2·3	8·6
	Littlehampton	cb	cg	59	56	-	-	2·0	8·2
	Bournemouth								
	Tunbridge Wells	pd	pd.	60	41	-	0·4	0·7	8·3
England, N.W.	Douglas (I.O.M.)								
	Blackpool								
	Southport	or	ro	52	42	-	7	-	6·2
Midlands.	Buxton								
	Leamington Spa	bcc.b	cb.or	60	38	-	5	4·4	4·8
	Malvern								
	Ross-on-Wye	oco	g.roc	57	40	-	2	1·0	6·2
Wales.	Rhyl	cp	pcbc	55	43	-	2	0·2	7·4
	Colwyn Bay								
	Llandudno	o	oc	56	45	-	2	0·4	7·5
	Aberystwyth	oco	roc	57	33	?	?	0·5	7·5
England, S.W.	Weymouth								
	Teignmouth								
	Torquay	cor	opcbc	59	49	1	2	2·0	6·0
	Paignton	cp	bc.b	60	44	0·2	1	2·2	5·0
	Penzance	opr.bc	cpr	62	52	1	2	4·2	10·0
	Newquay	cp	bbcp	59	43	-	1	3·5	?
	Bude	bcco	opbc	59	45	-	1	2·8	?
	Ilfracombe								
	Weston-s-Mare	orc	r.bc	58	43	-	1	0·2	7·5

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 1st	Weather 13h-18h. 1st	Weather 18h 1st-1h 2nd	Weather 1h-7h 2nd	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)			q.d.				*	*	*	*
Eskdalemuir	cm.orm	orm	ormcbc	bc.b	51	39	33	4	0·3	0·6
†Stranraer	r.q		pd.	op	54	45	*	*	*	*
†Lough Foyle		c.o					*	*	*	*
Valencia (Cahireiveen)	bc.bbc	bcp.	bcp		57	49	44	-	1	8·4
†Anglesey (Llangefni)	r.q			oq	52	46	*	*	*	*
Falmouth	odrc	bgcyp	bc.pq	bw	61	48	42	1	trace	3·6
†Calshot (Hants)	o	r.	c.o	bc.c	63	47	*	*	*	*
†Capel (Folkestone)	cp	c.cf.	pd.r.	or	62	48	*	*	*	*
Aberdeen	bczoq	oq.orm	orm.c.b		53	43	34	-	1	1·9
†East Fortune			c.o	bcc	54	42	*	*	*	*
†Flamboro' Head	cq	bccz					*	*	*	*
†Felixstowe	cop	p.z	o	c.oz	59	47	*	*	*	*
†Cranwell (Lincs)	bcc	o.bbc	pd.	c.c.o	60	42	*	*	*	*
†Bedford	z	om.z	ompd	bccz.	65	39	*	*	*	*
Benson	co	oro	p.o.c.		61	40	31	1	trace	*
London (Kew Obsy.)	om.bc.b	co.od.	cc. bcc. bc		65	46	37	0·1	0·5	4·5

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora, Rime, Glazed frost, Glazed roads, Solar halo, Lunar halo, Solar corona, Lunar corona

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 HOURS ENDED 9h G.M.T. 2nd							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	bc.c	or. o	c	65	46	38	3	2·8	78	72
City (Bunhill Row)	*	*	*	*	*	*	*	2·4	*	*
Westminster (St. James's Park)	*	*	*	65	46	39	1	3·0	80	78
,, (Admiralty Arch	bcm.bc	or.op	c.bc	67	48	*	0·2	2·8	82	81
Camden Sq. (British Rainfall)	c.bc.c	o.od	*	67	45	43	1	2·3	78	80
Kensington Palace	bc	o.bc.c	*	64	45	39	0·4	*	90	77

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ..... 527 ..... Joules.

	Milliwatts.
Average Rate.	14·3
Maximum Rate.	43

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

2nd & 3rd October 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T
Yarmouth	5.57	11.42	5.27
	5.58	11.42	5.26
Greenwich	6.3	11.49	5.35
	6.4	11.49	5.33
Wick	6.21	12.1	5.42
	6.23	12.1	5.39
Valencia	6.44	12.30	6.16
	6.45	12.30	6.14

NOTES ON THE WEATHER OF YESTERDAY.

Most stations experienced rain but nowhere were the amounts excessive; as much as 9 mm. fell at Donaghadee.

The temperature was generally higher than of late. The maximum temperature was above 60°F. and the minimum thermometer did not fall below 50°F. at night at several stations in the south of England.

Valencia recorded 8.4 hours sunshine but sunshine amounts were mostly poor. A brilliant display of aurora was seen at night in the north. It was witnessed as far south as Roche's Point in Ireland and is reported from Liverpool as having been brilliant.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 21, 1918 FRIDAY, 3RD OCTOBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. 2ND													
†Houton B. (Orkney)	1001.8	+8	NW	6	bcz	49	87	7	1-1500	Cu	3	A.Cu	3	4
Eskdalemuir ...	1008.8	+4	WNW	5	bq	52	65	8	2-3000	Cu	2	Ci.S.	1	*
†Stranraer ...	1011.5	+3	NW	4	c	55	92	7	2-3000	St	6	C.St	2	*
†Lough Foyle ...	1012.3	+3	NW	5	r	52	92	6	2-3000	C.Nb	7	-	-	4
Valencia (Cahire'n)	1019.0	+3	W	3	o	55	82	8	1½-2000	St	7	A.St	3	4
†Anglesey (Llangefni)	1013.2	+4	NW	5	c	57	75	8	3-4000	F.Cu	7	-	-	6
Falmouth ...	1017.9	+3	NW	5	v.bcy	58	55	8	-	Cu	5	-	-	*
†Calshot (Hants) ...	1013.3	+3	NNW	5	o	58	75	8	4-5000	Cu	9	-	-	5
†Capel (Folkestone)	1001.3	+3	NNW	4	em	55	82	5	2-3000	S.Cu	8	-	-	4
Aberdeen ...	1005.3	+4	WNW	4	c	54	65	7	-	C.Nb.	7	F.Ci	1	2
†East Fortune ...	1007.0	+4	WNW	5	bc	54	65	7	5-7000	S.Cu	3	Ci.S	2	*
†Flamborough Head	1008.2	+6	NNW	3	o	52	65	8	3-4000	S.Cu	6	A.St	2	*
†Felixstowe ...	1011.2	+4	WNW	4	o	54	75	5	2-3000	St.	6	A.Cu	2	3
†Cranwell (Lincs)	1010.2	+5	W	5	bc	54	82	5	1½-2000	St.	4	Ci	2	*
†Bedford ...	1011.6	+4	NW	3	om	51	82	3	3-4000	St	10	-	-	*
Benson	1012.0	+5	NNW	3	o	52	75	7	-	-	-	-	-	*
London (Kew Ob.)	1012.5	+4	NNE	4	o	53	65	8	1½-2000	Nb.	8	A.St	2	*
	1H. G.M.T. OF 3RD													
†Houton B. (Orkney)	1010.6	+2	WNW	6	bc	46	75	5	1½-2000	S.Cu	5	-	-	*
Eskdalemuir ...	1020.4	+5	-	0	b	39	87	7	-	Cu	2	-	-	*
†Stranraer ...	1020.6	+1	-	0	bc	49	97	-	2-3000	St.	3	-	-	*
†Lough Foyle ...														*
Valencia (Cahire'n)	10239	+2	NNW	2	bc	55	*	*	*	*	*	*	*	*
†Anglesey (Llangefni)	?	+6	WNW	1	b	44	82	-	5-7000	S.Cu	2	-	-	*
Falmouth ...	1024.2	+2	NW	2	bw	48	92	8	-	-	-	-	-	*
†Calshot (Hants) ...	1022.4	+2	ENE	4	b	43	97	6	-	-	-	-	-	3
†Capel (Folkestone)	1020.2	+4	NW	2	em.	43	92	3	-	St.	3	-	-	3
§Aberdeen ...	1015.2	+6	WNW	2	c	44	87	5	2-3000	S.Cu	7	-	-	*
†East Fortune ...														*
†Flamborough Head														*
†Felixstowe ...	1019.7	+3	NNW	2	bc	46	92	-	3-4000	St.	4	-	-	3
†Cranwell (Lincs)	1020.7	+4	W	2	bw	40	97	4	2-3000	St	2	-	-	*
†Bedford ...														*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1m.)	10207	+3	W	1	b	45	*	*	*	*	*	*	*	*

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF 2ND													
†Houton B. (Orkney)	1006.4	+4	NW	5	q	45	93	4	1½-2000	C.Nb	7	A.St.	3	5
Eskdalemuir ...	1014.5	+7	WNW	5	b	46	75	7	-	Cu	2	-	-	*
†Stranraer ...	1015.8	+3	NW	3	r	48	97	5	1½-2000	Nb.	8	-	-	*
†Lough Foyle ...														
Valencia (Cahire'n)	1021.2	+3	-	0	0	54	97	6	< 500	St	10	-	-	4
†Anglesey (Llangefni)	1017.3	+4	WNW	1	(1)	50	87	6	2-3000	Cu	3	-	-	6
Falmouth ...	1020.8	+4	NW	4	b	52	65	6	-	Cu	1	-	-	*
†Calshot (Hants) ...	1016.9	+5	NNW	3	b	53	82	7	5-7000	Cu	1	A.St	2	3
†Capel (Folkestone)	1015.7	+5	WNW	3	z	47	55	4	4-5000	St	9	-	-	3
Aberdeen ...	1011.1	+8	WNW	3	bc	48	65	7	-	C.Nb.	5	F.Ci	1	2
†East Fortune ...	1012.3	+8	NW	3	bc	51	75	6	5-7000	S.Cu	4	-	-	*
†Flamborough Head	1013.4	+8	NW	2	u	48	87	6	3-4000	C.Nb	7	-	-	*
†Felixstowe ...	1015.1	+5	NNW	3	b	52	75	5	4-5000	St	3	A.St	1.	3
†Cranwell (Lincs)	1015.0	+5	W	2	bc	47	92	5	2-3000	St	3	Ci	2	*
†Bedford ...	1015.6	+4	WNW	2	bcz	51	75	-	-	-	-	A.St	4	*
Benson	1016.5	+6	NW	1	c	48	82	10	-	Cu	5	-	-	*
London (Kew Ob.)	1016.6	+2	NW	1	om	50	97	5	2-3000	S.Cu	10	-	-	*
	7H. G.M.T. OF 3RD													
†Houton B. (Orkney)	1017.6	+2	SSW	1	•	47	92	5	1½-2000	St	10	-	-	?5
Eskdalemuir ...	1024.2	+5	-	0	cw	37	98	7	1½-2000	St	1	Ci	7	*
†Stranraer ...														*
†Lough Foyle ...	1020.8	+2	S	3	2	53	92	5	2-3000	StCu	5	-	-	*
Valencia (Cahire'n)	1024.9	+1	S	3	c	55	92	7	1-1500	St	1	Ci	7	3
†Anglesey (Llangefni)	1024.0	+4	-	0	c	44	92	6	2-3000	Nb	6	Ci	2	?4
Falmouth ...	1025.5	+3	NW	2	bzw	47	98	6	-	-	-	CiCu	1	*
†Calshot (Hants) ...	1024.7	+2	NNW	2	b	43	98	4	-	-	-	-	-	3
†Capel (Folkestone)	1023.2	+4	NNW	3	z	43	98	3	-	-	-	acu	3	3
§Aberdeen ...	1020.8	+4	WSW	2	z	47	75	4	-	StCu	8	-	-	2
†East Fortune ...	1022.2	+6	S	1	c	47	87	6	4-5000	-	-	acu	7	*
†Flamborough Head														*
†Felixstowe ...	1023.7	+4	N	2	b	43	92	3	-	-	-	-	-	3
†Cranwell (Lincs)	1024.5	+5	W	1	b	40	98	4	2-3000	St	2	-	-	*
†Bedford ...	1024.5	+4	W	1	bw	38	98	-	-	-	-	-	-	*
Benson	?1024.7	+4	-	0	o	34	98	6	-	-	-	-	-	*
London ... ... (M.O. at 1m.)	1024.6	+3	WSW	1	bmx	40	98	5	-	-	-	-	-	*

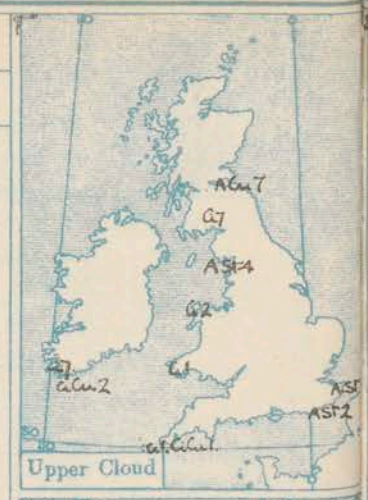
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

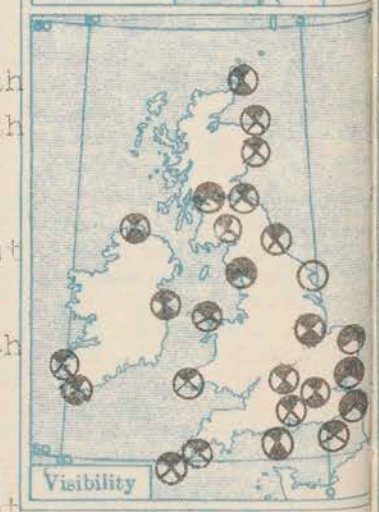
STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 2ND					7H. G.M.T. of 3RD									24 HOURS ENDED 7H. 3RD						2ND
Lerwick ...	1005.1	49	WNW	2	o	1015.7	+5	47	-4	W	2	-	bem	1	1	51	42	om	om	omp	*
Stornoway ...	1011.8	49	W	3	cp.	1015.8	+1	54	+7	SW	4	-	c	3	1	54	46	bccp	cp	cp	3.2
Castlebay (Barra's)	1014.5	50	WNW	4	b	1018.2	+1	54	+3	SSW	4	-	o	4	0.4	54	47	cp.obc	bcp.b.	bem	4.8
Glasgow ...	1014.1	47	W	2	bz	1022.3	+4	47	+3	WSW	1	-	o	*	-	55	41	bcv	bc b	b.bc.om	7.7
Malin Head ...	1015.5	52	WNW	4	bc	1019.7	+1	52	+2	S	3	S	c	2	trace	60	52.	bcp	bc	cm	7.8
Blacksod Point	1017.4	54	SW	1	cz	?1022.1	o	56	+5	SSW	2	-	bem	2	0.2	56	49	bc	bc	bem	*
Roche's Point...	1021.3	54	W	2	om	1026.0	+3	50	+1	W	1	-	f	1	0.2	58	48	bbc	bccom	ofc	*
Birr Castle ...	1019.7	49	W	1	c	1024.1	*	54	0	S	1	-	o	*	0.4	58	43	cp	c	cc o	8.7
Donaghadee ...	1016.1	51	W	4	cmq	1022.9	+2	48	+3	SSW	2	-	cqm	1	-	58	43	bcq	cqm	bem	*
Liverpool (Bidston)	1016.1	51	WNW	4	bc	1024.9	+5	48	0	W	2	NW	bc	2	2	54	47	op	bc	bcp.	4.1
Holyhead ...	1017.3	54	W	4	bc	1024.5	+2	48	-2	SSW	2	-	bc	1	-	56	47	bccq	cbc	bc.b	8.8
Pembroke (St. Ann's Head)	1019.0	55	WNW	4	cq	1026.5	+4	49	-2	NW	1	-	bv	3	-	56	47	bc	cq	bv	8.3
Scilly (St. Mary's)	1021.0	55	W	3	bc	1026.0	+2	53	-1	NW	1	-	bcm	2	-	59	50	bc	bc	bc	7.4
Jersey (St. Aubin)	1018.5	56	NW	5	b	1024.4	+1	50	-4	N	2	-	b	2	4	60	48	bcqp	bqpb	b.op.b	7.3
Portland Bill ...	1017.7	55	WNW	5	bc	1025.1	+2	50	-4	N	3	-	b	3	0.2	59	46	bcq	bc	b	*
Dungeness ...	1014.9	49	W	2	bc	?1023.0	+3	42	-9	WNW	3	-	b	3	0.1	64	39	cpc	cpc	c.b.b	*
Wick	1008.1	46	NW	4	bcmp	1017.4	+4	49	+3	SW	3	-	om	3	trace	52	43	ompr.	ompbc	bcp.om	*
Nairn	1011.0	49	W	2	c	1018.3	*	51	+6	W	2	-	bc	2	0.2	55	40	cq.bc	bcq cp.	c. bq	8.3
Leith	1011.6	51	SW	2	b	1021.6	+2	45	+1	W	1	W	c	1	-	57	43	b.bc	bc	b.bzc	*
Tynemouth ...	1012.0	53	WNW	2	bcm	1022.6	+5	43	-3	W	2	-	bm	2	-	58	41	bcm	bcm	bcm	
Spurn Head ...	1013.0	52	-	0	c	1021.7	+3	48	-2	NW	2	-	c	3	-	57	44	c	c	bc.c	*
Yarmouth (Gorleston)	1012.4	49	NW	2	m	1022.8	+5	42	-4	NW	2	-	bcm	2	-	58	40	bccmp.	cmp	cmp.bm	7.2
Clacton-on-Sea	1014.3	53	WNW	3	bc	1025.0	+5	42	-6	WSW	3	-	b	2	-	58	42	bcc	cbc	bc.bmw	4.5
Nottingham ...	1015.1	51	W	2	bc	1024.5	*	38		W	1	-	f	*	3	56	37	cop.	c	b	2.0

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside 1 at 1h.

SUMMARY OF CONDITIONS AT 7 A.M. Friday, 3rd October, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NW 5-15	v.cold	Fine; coastal mist.	var.	slight
2. E. England	N-W 5-10	"	Fair to fine; coastal mist.	v.poor	slight
3. E. Midlands	W 0-5	"	Fine; local mist	ord.	---
4. W. Midlands	N-W 0-5	"	Fine	ord.	---
5. S.W. England	N-NW 5-10	Cold.	Fair to fine	good	smooth
6. South Wales	N-W 0-5	r. cold	Fine	good	slight
7. North Wales	S-W 0-5	"	Fair to cloudy	"	smooth
8. N.W. England	Var. 0-2	Cool.	Fair to cloudy	poor	"
9. N. Midlands	W 2-5	Cold	Fair to fine; local fog	poor	---
10. N.E. England	NW-W 5-10	r.cold	Fair to cloudy	ord.	smooth
11. E. Scotland	SW-W 5-10	r.cool	Cloudy to dull; local haze	good	smooth
12. S.W. Scotland	S-W 0-5	"	Cloudy to dull; local mist	var.	"
13. Isle of Man	S-SW 5	"	Cloudy	---	"
14. N.&N.W.Scotland	SW-W 5-10	normal	Cloudy to dull, local mist	ord.	slight
15. Hebrides	S-SW 15-20	mild	Cloudy to dull, " "	"	"
16. Orkneys and Shetlands	SW-W 5-10	r.cool	Fair to dull, local mist	"	smooth
17. N.W. Ireland	S-SW 5-10	mild	Fair; misty	poor	"
18. N.E. Ireland	S-SW 5-10	r. cool	Cloudy	ord.	"
19. S.E. Ireland	S"SW 0-5	"	Dull	"	calm
20 S.W. Ireland	S-W 2-10	mild	Cloudy to dull, local fog	var.	slight



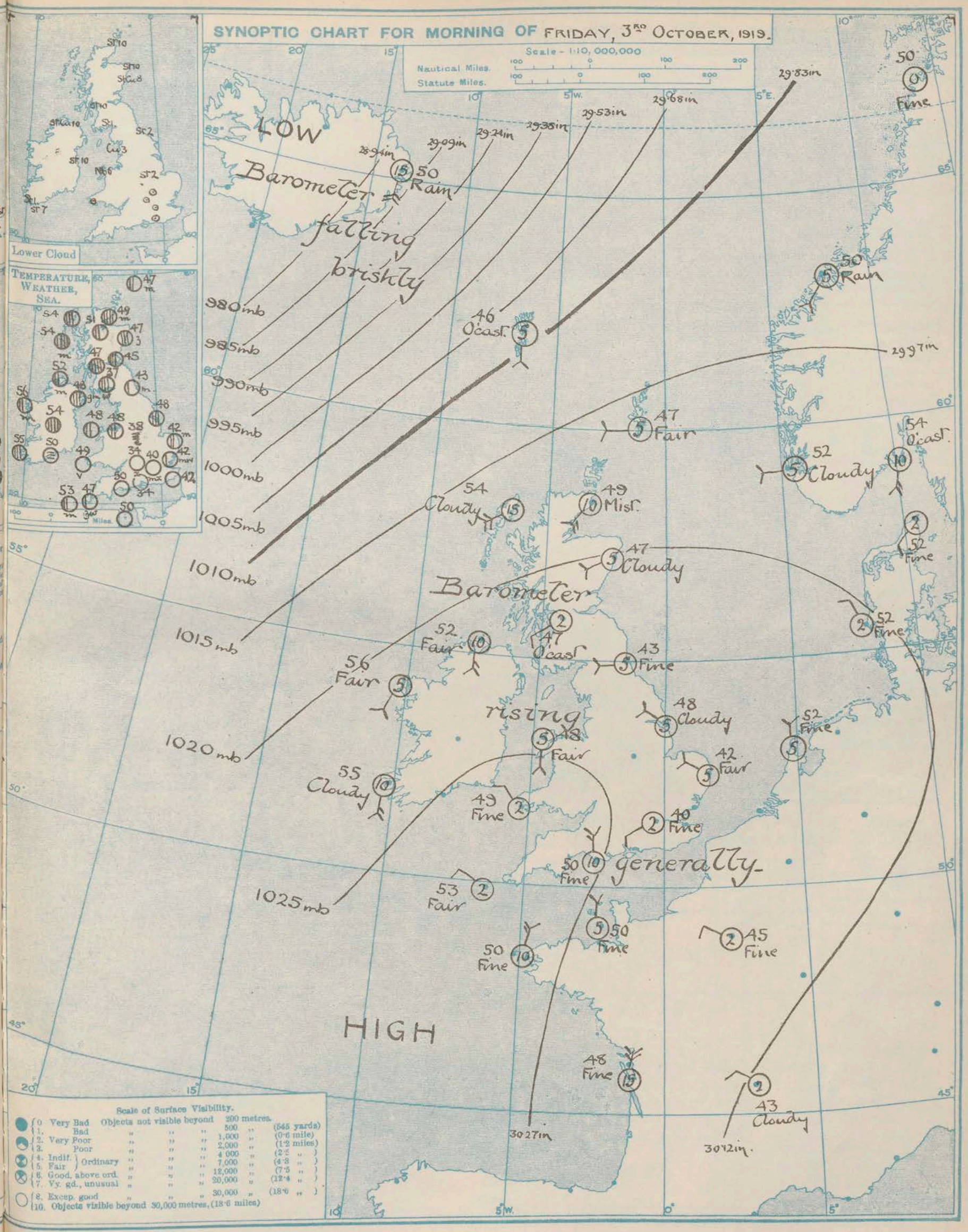


EXPLANATION.
BAROMETER.—Isobars are drawn for intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER 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

GENERAL INFERENCE from observations received up to 9 a.m.

A deep depression centred near Iceland will probably spread southeast and cause a freshening of the wind from SW with unsettled weather, especially in our northern districts.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 3rd October, 1919.	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light variable breezes probably freshening somewhat from SW tomorrow. Fair generally, more cloud in day. Cold at night rather warm in day.	Fresh to high winds from between SW and W with very unsettled weather seem probable in the north. Uncertain in south.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Light SW'ly breezes freshening tomorrow. Fair becoming cloudy with local showers. Rather warm.	
11. E. Scotland 12. S.W. Scotland	Moderate SW'ly breezes increasing considerably. Cloudy to dull, some showers or rain at times. Rather warm.	
13. Isle of Man	Same as districts 7 to 10	
14. N.&N.W.Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as district 11	


SYNOPTIC CHART FOR MORNING OF FRIDAY, 3RD OCTOBER, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
LOW
Barometer falling briskly
Barometer rising generally
HIGH
980mb
985mb
990mb
995mb
1000mb
1005mb
1010mb
1015mb
1020mb
1025mb
29·83in
29·68in
29·53in
29·38in
29·24in
29·09in
28·94in
29·97in
30·27in
30·12in
Scale of Surface Visibility.
0 Very Bad Objects not visible beyond 200 metres.
1. Bad " " " 500 " (545 yards)
2. Very Poor " " " 1,000 " (0·6 mile)
3. Poor " " " 2,000 " (1·2 miles)
4. Indif. } Ordinary " " " 4 000 " (2·5 ")
5. Fair } " " " 7,000 " (4·3 ")
6. Good, above ord. " " " 12,000 " (7·5 ")
7. Vy. gd., unusual " " " 20,000 " (12·4 ")
8. Excep. good " " " 30,000 " (18·6 ")
10. Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 276B {FRIDAY, 3RD OCTOBER

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 2ND

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h.-9h. 1st	Rainfall. Day. 9h.-17h. 2nd	Sunshine. to 17h. 2nd	Sunshine. Sunrise to Sunset. 1st
Scotland.	Oban	roc	pc	55	47	1	1	5.1	-
	Banff	b	bcp	53	45	1	0.3	4.9	2.3
	Montrose	bc	bc	59	43	3	-	7.6	-
	St. Andrews	bc	bc	58	44	0.4	-	9.2	0.9
England, N.E.	Harrogate	cbcc	bcb	57	43	0.2	-	5.0	0.2
	Skegness								
	Scarboro'			57	46	-	-	3.5	2.9
England, E.	Felixstowe	op.bcp	bcp	57	46	6	0.4	4.3	2.1
	Walton-on-Naze								
	Southend-on-Sea	o.c.bm	bc.c	57	47	-	-	5.0	—
England, S.E.	Margate	bcb.	bcc	57	48	5	-	3.7	?
	Ramsgate			57	45	1	-	5.5	2.0
	Folkestone	ocp	pm	60	49	1	0.1	6.2	2.3
	Hastings	ort.b	bcop	58	47	3	1	6.3	2.2
	Eastbourne	bc	bcr.bc	60	48	2	2	6.0	1.4
	Brighton	bc	bcp	59	49	1	0.4	6.6	1.6
	Worthing	bcc	c.r.dc	58	46	0.3	-	6.8	2.3
	Littlehampton	bc	bc	59	50	1	-	7.3	2.0
	Bournemouth								
	Tunbridge Wells	b.bco	corc	57	44	0.1	1	3.7	0.7
England, N.W.	Douglas (I.O.M.)								
	Blackpool	o	rc	56	47	3	1	6.1	?
	Southport	coc.bc	bcc.b	55	43	1	-	5.0	-
Midlands.	Buxton	rc.brc	rc.bbc	50	37	7	2	2.0	?
	Leamington Spa	cbore	bc.bbc	56	42	2	1	2.4	4.4
	Malvern								
	Ross-on-Wye	cbc	cpb	59	42	-	-	7.0	1.0
Wales.	Rhyl	cbc	bc	55	45	2	-	5.9	0.2
	Colwyn Bay								
	Llandudno	bc	c	55	49	2	-	6.6	0.4
	Aberystwyth	occ	bcc	55	52	-	-	6.5	0.5
England, S.W.	Weymouth								
	Teignmouth								
	Torquay	bbcp	bcb.bcp	58	47	0.3	1	8.2	2.5
	Paignton	bcp	bcp	59	44	0.3	0.2	9.3	2.2
	Penzance	bc	bc.b	60	50	1	-	9.9	4.2
	Newquay	bp.b	b	57	50	1	-	9.6	3.5
	Bude	qp.bc	qcbc	57	52	0.4	0.2	8.0	2.8
	Ilfracombe								
	Weston-s-Mare	b	b.bcb	59	48	3	-	10.0	0.2

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h.-13h. 2ND	Weather 13h.-18h. 2ND	Weather 18h.-1h. 2ND / 3RD	Weather 1h.-7h. 3RD	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h.-18h.	Rainfall. Night. 18h.-7h.	Sun. Hours.
†Houton Bay (Orkney)	qp	qp.	co.bcc	c.o.c.o	51	44	*	*	*	*
Eskdalemuir	bcq.bq	cq.bcb	b.bc.b	b.bcx cw	54	36	30	-	-	9.1
†Stranraer	bbc	bbcq	bcc				*	*	*	*
†Lough Foyle	bcc			prhoq	54	50	*	*	*	*
Valencia (Cahirciveen)	bccop	odo	op.o.c		56	51	51	-	1	1.3
†Anglesey (Llangefni)	bccq	b.bc	b.bc	c.o	55	38	*	*	*	*
Falmouth	bcpu.v	bcbyv	bw	bw	60	49	36	trace	-	9.9
†Calshot (Hants)	bcc	co	bcc	b	59	40	*	*	*	*
†Capel (Folkestone)	bccp	bccz	b ⓤ	b.bcf₁	55	41	*	*	*	*
Aberdeen	bc.pcq	cp.bc	c.b.bcz		55	43	35	0.2	0.1	5.2
†East Fortune	bbc.v	bbc		bc.c	58	44	*	*	*	*
†Flamborough Hd.	r₀.v	p₂.v					*	*	*	*
†Felixstowe	p.z.	co.p	bbc	bz	55	41	*	*	*	*
†Cranwell (Lincs)	p.co	bcc	b.bc	wz	55	36	*	*	*	*
†Bedford	omp.	pd.z		b.bcf₁	59	34	*	*	*	*
Benson	pco	pq.bv	bx		58	32	25	4	-	*
London (Kew Obsy.)	bcopo	bcpc	b.bmx		55	38	26	2	-	4.2

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora	⌔	Solar halo	⊕
Rime	⚹	Lunar halo	⊕
Glazed frost	co	Solar corona	⦶
Glazed roads	cp	Lunar corona	⦶

LONDON OBSERVATIONS.

24 Hours ended 9h G.M.T. 3RD

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. (Yesterday.)	Humidity % 15 h. G.M.T. (Yesterday.)	Humidity % 9 h. G.M.T. (To-day.)
Greenwich (Royal Observatory)	c.o	op	bc m.bc	55	36	24	1	2.5	76	74
City (Bunhill Row)	*	*	*	*	*	*	*	2.7	*	*
Westminster (St. James's Park)	*	*	*	56	37	30	1	3.0	82	78
" (Admiralty Arch)	c.oq/p	cq/p.bc	bc.bm	56	41	*	1	3.1	83	74
Camden Sq. (British Rainfall)	c.o	or.c	*	57	38	36	1	2.0	80	78
Kensington Palace	op	o	*	55	36	27	1	*	80	80

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 569 Joules.

Milliwatts.

Average Rate. 13·7

Maximum Rate. 52.

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

3RD & 4TH OCTOBER 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.58	11.42	5.26
	6.0	11.42	5.23
Greenwich	6.4	11.49	5.33
	6.7	11.49	5.31
Wick	6.23	12.1	5.39
	6.26	12.1	5.36
Valencia	6.45	12.30	6.14
	6.47	12.30	6.12

NOTES ON THE WEATHER OF YESTERDAY.

Variable cloud with occasional showers characterised the weather yesterday. Rainfall amounts were small, the maximum fall was 4mm at Jersey. Sunshine amounts were variable, 10hrs were recorded at Weston super Mare.

Temperatures were moderate or rather high. At night the thermometer in the screen fell to 32°F and on the grass to 25°F at Benson.

† Air Ministry Station. * Information for these columns not usually received.

Published by the Meteorological Office, South Kensington, London, S.W. 7.
Printed by Eyre and Spottiswoode Ltd. [illegible] London, E.C., and Reading

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 21,135.B SATURDAY 4th OCTOBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10	Height of Low Cloud Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H. G.M.T. 3rd													
†Houton B. (Orkney)	1017.2	-7	SSW	4	v	55	82	7	7-9000	St	6	Ci C.	3	1
Eskdalemuir ...	1026.0	+1	SW	3	0	50	87	6	1½-2000	St	10	-	-	*
†Stranraer ...	1024.7	+2	SSW	4	c	57	92	5	-	-	-	-	-	*
†Lough Foyle ...	1020.8	-1	SSE	5	0	57	92	4	1½-2000	St	10	-	-	3
Valencia (Cahire'n)	1024.2	0	S	4	bc	61	82	8	2-3000	S.Cu	5	Ci.S	2	3
†Anglesey (Llangefni)	1026.3	+1	SW	1	c	55	82	8	2-3000	Cu	8	-	-	4
Falmouth ...	1027.8	+1	NNE	1	bcy	62	45	7	-	Cu	1	Ci.S	5	*
†Calshot (Hants) ...	1026.0	0	NNE	1	0	59	65	8	1½-2000	Cu	8	-	-	4
†Capel (Folkestone)														
Aberdeen ...	1020.7	-1	SSW	4	b	61	65	7	-	-	-	Ci C	2	3
†East Fortune ...	1023.3	0	WNW	2	c	59	75	5	3-4000	S.Cu	8	-	-	*
†Flamborough Hd.	1025.5	+2	ENE	2	om	53	75	6	-	-	-	Ci C	1	*
†Felixstowe ...	1026.3	+2	NNE	2	c	59	65	5	3-4000	S.Cu	4	A.St	1	3
†Cranwell (Lincs)	1026.0	+2	N	1	bc	56	75	6	3-4000	St	2	Ci	4	*
†Bedford ...	1026.1	+2	NNE	2	bc	58	55	5	5-7000	F.Cu	4	Ci.S	2	*
Benson	1025.6	0	N	2	bc	56	65	8	-	-	-	-	-	*
London (Kew Ob.)	1026.1	0	N	2	b	56	55	6	2-3000	Cu	1	A.St	1	*
	1H. G.M.T. OF 4th													
†Houton B. (Orkney)	1017.6	+1	S	2	0	52	92	5	1½-2000	St	7	A.St	3	1
Eskdalemuir ...	1026.2	0	S	3	0	51	97	6	-	St	10	-	-	*
†Stranraer ...	1025.5	0	ESE	3	c	53	97	-	3-4000	St	7	-	-	*
†Lough Foyle ...														*
Valencia (Cahire'n)	1023.5	0	SSE	3	bc	57	*	*	*	*	*	*	*	*
†Anglesey (Llangefni)	1026.9	0	SSW	3	c	50	87	-	3-4000	St	7	-	-	4
Falmouth ...	1029.0	-1	NNW	1	bw	45	97	6	-	St.C	1	-	-	*
†Calshot (Hants) ...														
†Capel (Folkestone)	1028.6	0	NE	1	b	46	92	6	-	-	-	-	-	2
§Aberdeen ...	1021.1	-1	S	3	bc	52	87	5	3-4000	S.Cu	6	-	-	*
†East Fortune ...	1024.2	-0	S	1	bc	54	82	-	4-5000	S.Cu	5	-	-	*
†Flamborough Hd.														*
†Felixstowe ...	1029.1	0	N	2	bf	44	97	1	-	-	-	-	-	0
†Cranwell (Lincs)	1028.6	+1	-	0	b	39	97	3	1½-2000	St.	2	-	-	*
†Bedford ...	1028.7	0	SW	1	bw	35	97	-	-	-	-	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at In.)	1029.1	0	-	0	bf	45	*	*	*	*	*	*	*	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF 3rd													
†Houton B. (Orkney)	1017.1	0	S	1	r	53	92	3	4-5000	St	8	A.St	2	1
Eskdalemuir ...	1025.9	+2	SSW	4	odm	51	97	5	1-1500	Nb	10	-	-	*
†Stranraer ...	1024.4	0	S	4	0	54	97	5	4-5000	St	10	-	-	*
†Lough Foyle ...	1020.1	0	SSW	7	0	57	87	6	3-4000	S.Cu	10	-	-	4
Valencia (Cahire'n)	1024.4	+1	S	5	0	57	92	7	½-1000	M.Cu	6	Ci.S.	4	4
†Anglesey (Llangefni)	1026.7	+1	SW	1	c	53	87	6	2-3000	Cu	4	Ci	3	3
Falmouth ...	1028.2	+1	NNW	1	bcz	53	?	6	-	M.Cu	8	Ci	1	*
†Calshot (Hants) ...	1027.7	+1	-	0	b	55	75	5	-	-	-	-	-	2
†Capel (Folkestone)	1027.1	+2	NNE	2	bcv	48	?	8	2-3000	S.Cu	3	-	-	2
Aberdeen ...	1022.4	+3	S	3	bcz	55	87	5	-	-	-	A.St	5	3
†East Fortune ...	1024.0	+1	WSW	1	bc	54	82	5	3-4000	S.Cu	2	A.St	3	*
†Flamborough Hd.	1026.1	+1	SSE	3	b	58	75	7	-	-	-	A.St	3	*
†Felixstowe ...	1027.0	+3	ENE	2	bc	50	97	3	3-4000	S.Cu	5	-	-	3
†Cranwell (Lincs)	1027.9	+1	-	0	c	47	92	5	1½-2000	St	5	Ci	3	*
†Bedford ...	1028.0	+2	NE	1	bz	46	75	-	-	-	-	-	-	*
Benson	1027.4	+3	-	0	b	47	82	7	-	-	-	-	-	*
London (Kew Ob.)	1027.5	+2	-	0	bm	51	75	4	-	-	-	-	-	*
	7H. G.M.T. OF 4th													
†Houton B. (Orkney)	1018.7	+1	SSW	1	z	53	92	?	2-3000	St	6	aSt	4	1
Eskdalemuir ...	1026.9	+1	S	4	omz	51	98	3	½-1000	St	10	-	-	*
†Stranraer ...	1025.9	+1	S	1	do	55	98	3	1½-2000	St	10	-	-	*
†Lough Foyle ...														*
Valencia (Cahire'n)	1024.4	+1	SSE	5	odm	58	98	3	<500	Nb	10	-	-	0
†Anglesey (Llangefni)														
Falmouth ...	1029.4	+1	N.	1	bcw	45	98	6	-	St	4	aCu	2	*
†Calshot (Hants) ...	1029.7	0	NNW	1	b	41	98	3	-	-	-	-	-	3
†Capel (Folkestone)	1029.1	+2	NNW	2	of₂	46	98	0	<500	St	10	-	-	4
§Aberdeen ...	1023.0	+1	S	3	cz	54	92	6	-	St	6	aCu	2	3
†East Fortune ...	1024.8	+1	SSW	1	c	56	82	5	5-6000	StCu	8	-	-	*
†Flamborough Hd.	1027.0	+1	SW	1	z	42	98	3	-	-	-	a	2	*
†Felixstowe ...	1029.9	+2	N	1	f₂	41	98	1	-	-	-	-	-	1
†Cranwell (Lincs)	1029.4	0	-	0	b	35	98	4	2-3000	St	2	-	-	*
†Bedford ...	1030.1	+1	SW	1	x	31	98	-	-	-	-	-	-	*
Benson	1029.6	+2	-	0	of₁	30	98	1	-	-	-	-	-	*
London ... ... (M.O. at In.)	1030.2	+2	-	0	bfx	35	98	1	-	-	-	-	-	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer at M.S.L. m.b.	Barometer ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 3rd					7H. G.M.T. of 4th									24 HOURS ENDED 7H. 4th						3rd
Lerwick ...	1017.0	54	S	4	bc	1017.7	+2	55	+8	S	3	-	omd	2	-	54	46	omd	om	om	*
Stornoway ...	1014.5	55	SW	7	odpq	1018.0	+3	55	+1	SW	4	-	r	3	4	57	48	coq	odpq	op	0.3
Castlebay (Barra Is)	1017.6	55	S	5	ofd	1019.9	+2	55	+1	SW	4	-	r	4	1	56	54	omf	omdf	drdr	0.8
Glasgow ...	1024.1	55	SW	2	omg	1025.0	+2	54	+7	SSW	2	W	c	*	trace	55	46	omg	om	omdpc	0.0
Malin Head ...	1019.9	57	S	4	cm	1020.0	0	57	+5	SSW	5	SW	om	2	-	59	56	bcm	cm	om	2.1
Blacksod Point	1019.1	57	SW	5	omr	1019.5	+2	57	+1	SSW	3	-	omr	3	11	58	52	bcm	om	omr.or	*
Roche's Point ...	1026.8	56	SW	2	0	1027.0	+1	56	+6	SSW	2	-	0	1	0.3	59	56	fc.om	om	om	*
Birr Castle ...	1024.3	58	S	2	0	1024.3	*	56	+2	S	2	-	0	*	-	63	53	c.o	o	o	2.2
Donaghadee ...	1023.5	55	SSW	3	cm	1023.7	+2	55	+7	SW	3	-	odm	2	-	61	47	cgm	bcm	om	*
Liverpool (Bidston)	1027.4	54	-	0	0	1027.9	0	45	-3	SSE	2	E	bc	2	-	56	44	bc	o	bcm	5.6
Holyhead ...	1026.5	55	SSW	4	og	1027.0	+1	55	+7	SSW	4	-	cg	3	-	58	48	bcco	cb.cbo	o.cvg	1.2
Pembroke (St. Ann's Head)	1028.0	55	-	0	ov	1028.8	+2	55	+6	S	2	-	bc	1	-	58	48	bv.bc	ov	bcv.c	6.0
Scilly (St. Mary's)	1027.7	56	-	0	c	1028.3	0	54	+1	SW	1	N	bc	2	-	61	51	bc	bc	bc	7.1
Jersey (St. Aubin)	1027.0	58	N	2	b	1028.1	0	48	-2	N	1	-	bm	1	-	60	43	b	b	bwm	10.3
Portland Bill ...	1027.0	52	N	2	b	1028.6	0	48	-2	NNE	3	-	bc	2	-	59	45	b.bc	bc.b	b.bc	*
Dungeness ...	1025.9	53	NNE	2	b	1027.8	+1	45	+3	N	3	-	f	2	-	59	40	b	b	b.bf	*
Wick	1017.4	56	SSW	4	am	1019.1	+3	56	+7	SW	3	-	om	3	0.3	57	48	ombcm	bcmom	om	*
Nairn	1018.5	58	W	3	c	1019.7	*	58	+7	-	0	-	bcq	1	-	61	50	bcq	qbccg	cqg2	4.1
Leith	1022.5	53	SW	1	c	1023.9	0	56	+11	SW	2	SW	c	1	-	58	44	cz.bcc	c.o.c.o	c.og2	
Tynemouth ...	1025.0	55	W	1	bcm	1026.7	0	47	+4	-	0	-	c	1	-	62	32	bcm	bcm	bf bcm	*
Spurn Head ...	1027.4	52	SE	2	bc	1028.0	0	46	-2	S	1	-	b	2	trace	56	44	c	bc	b	4.0
Yarmouth (Gorleston)	1026.6	51	N	1	bc	1028.0	0	41	-1	NE	1	-	bcf	1	0.4	57	33	bcmbc	bcm.	bc bcm	9.3
Clacton-on-Sea	1026.8	54	NNE	1	bc	1028.8	+2	42	0	NW	3	-	bf	2	-	59	40	bmbcy	bcy.z	bc.bzf	9.7
Nottingham ...	1027.3	50	SSE	1	bc	1029.2	*	36	+3	-	0	-	f	*	-	58	30	cbc	bc	bm	6.2

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside 1 at 1h.

SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 4th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NE. 0-10	V.cold	Fair to fine, thick fog	Bad	Slight
2. E. England	N-NW. 0-10	"	Fair; thick fog.	V.bad	Smooth
3. E. Midlands	Indef. 0-5	"	Fair; thick fog.	V.poor	–
4. W. Midlands	" "	"	Fair, fog	"	–
5. S.W. England	N-NE. 0-10	R.cold	Fair.	Good	Smooth
6. South Wales	S. 0-5	Normal	Fair to dull, local fog.	V.poor	Calm
7. North Wales	S-SW. 10-15	"	Fair to cloudy; misty.	Poor	Slight
8. N.W. England	S-SE. 5-10	"	Dull, misty.	"	Smooth
9. N. Midlands	S-SW. 0-5	V.cold	Fair, fog.	"	–
10. N.E. England	S-SW. 2-10	R.cold	Fair to cloudy, local mist.	"	Smooth
11. E. Scotland	S-SW. 5-10	R. warm	Cloudy to dull.	Ord.	"
12. S.W. Scotland	S-SW. 5-15	Warm	Cloudy to dull, local mist and drizzle.	Poor	"
13. Isle of Man	S-SW. 5-10	Mild	Dull.	"	"
14. N.&N.W. Scotland	SW. 2-10	R.warm	Cloudy to dull, local mist.	Ord.	"
15. Hebrides	SW. 15-20	"	Dull, showery.	"	Slight
16. Orkneys and Shetlands	S-SW. 2-10	"	Dull, mist and local drizzle.	"	Smooth
17. N.W. Ireland	S-SW. 10-20	Mild	Dull, misty, local rain.	Poor	Slight
18. N.E. Ireland	SW. 10	"	Dull, drizzle.	"	Smooth
19. S.E. Ireland	S-SW. 5-10	"	Cloudy to dull, local mist.	"	"
20 S.W. Ireland	SE-SW. 10-20	"	Dull, misty, local drizzle	"	Slight

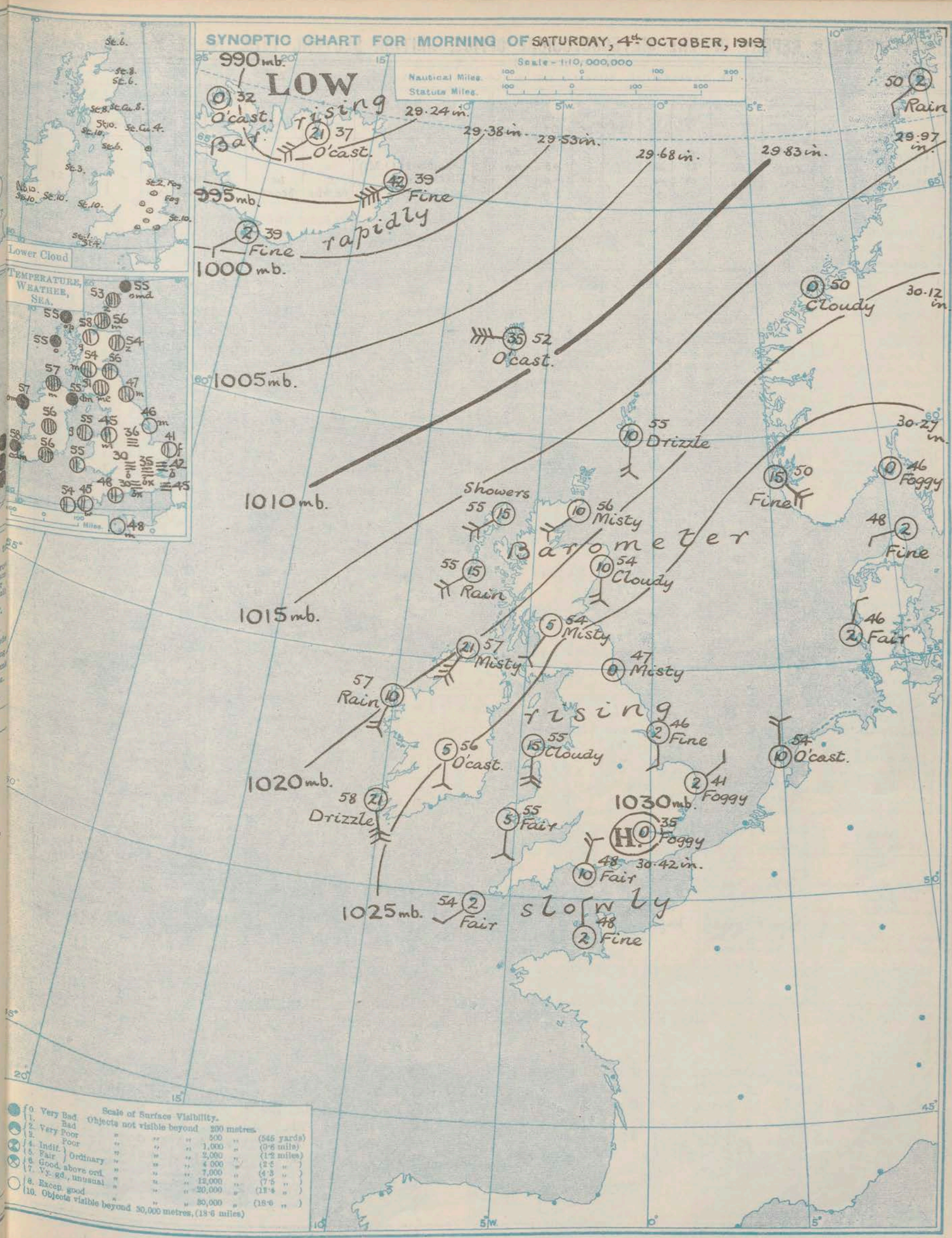
EXPLANATION.

BAROMETER.—Isobars are drawn intervals of five millibars.
WIND.—Direction is shown by arrow flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER 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

GENERAL INFERENCE from observations received up to 9 a.m.

An extensive anticyclone covers England and the Southern North Sea. The deep depression near Iceland is moving away north or north-east. A backing of the wind on the west of Ireland indicates irregularities of pressure which may affect the weather in the west and north of the Kingdom. Fair weather will continue over England.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Saturday, 4th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands 5. S.W. England	Light variable breezes. Fair generally, morning mist or fog inland. Cold night. Rather warm in day.	Over England fair weather is likely to continue beyond the period of the forecasts. Over Scotland and Ireland the outlook is uncertain.
6. South Wales 7. North Wales 8. N.W. England	Moderate Sly. or SWly. breezes. Fair or cloudy, perhaps local showers. Rather warm.	
9. N. Midlands 10. N.E. England	Same as for 1-4	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate or fresh Sly. or SWly. winds. Cloudy or dull, some showers or rain at times, mist locally. Rather warm.	


SYNOPTIC CHART FOR MORNING OF SATURDAY, 4th OCTOBER, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
990 mb.
995 mb.
1000 mb.
1005 mb.
1010 mb.
1015 mb.
1020 mb.
1025 mb.
1030 mb.
H.
30·42 in.
29·24 in.
29·38 in.
29·53 in.
29·68 in.
29·83 in.
29·97 in.
30·12 in.
30·27 in.
Bar. rising rapidly
Barometer rising slowly
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
0. Very Bad. Objects not visible beyond 200 metres.
1. Bad
2. Very Poor " " " 500 " (545 yards)
3. Poor " " " 1,000 " (0·6 miles)
4. Indif. } Ordinary " " " 2,000 " (1·2 miles)
5. Fair } " " " 4,000 " (2·5 ")
6. Good, above ord. " " " 7,000 " (4·3 ")
7. Vy. gd., unusual " " " 12,000 " (7·5 ")
8. Excep. good " " " 20,000 " (12·4 ")
9. " " " 30,000 " (18·6 ")
10. Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No 277. B

SATURDAY 4th OCTOBER 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR ... 3rd ...

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 2nd	Rainfall. Day. 9h-17h. 3rd	Sunshine. to 17h. 3rd	Sunshine. Sunrise to Sunset. 2nd
Scotland.	Oban	o	co	59	44	-	-	1.0	5.1
	Banff	bc	bc	63	44	1	-	4.3	4.9
	Montrose	b.bc	bco	58	40	-	-	4.0	7.6
	St. Andrews	c	o	57	38	-	-	3.9	9.2
England, N.E.	Harrogate	b	b	61	38	-	-	9.4	5.0
	Skegness								
	Scarboro			61	43	-	-	9.5	3.5
England, E.	Felixstowe	bc	bc	59	39	-	-	9.2	4.3
	Walton-on-Naze								
	Southend-on-Sea	mb	b	61	42	-	-	9.2	-
England, S.E.	Margate	cbcb	bbcb	57	49	-	-	7.3	3.7
	Ramsgate	bc	bc	57	45	-	-	7.2	5.5
	Folkestone	cb	bc	60	49	-	-	8.8	6.2
	Hastings	b	b	59	44	-	-	10.5	6.3
	Eastbourne	bc	bc	60	44	-	-	10.2	6.0
	Brighton	b	b	60	43	0.4	-	9.5	6.6
	Worthing	b	b	58	43	-	-	9.9	6.8
	Littlehampton	bc	bc	59	43	-	-	10.2	7.3
	Bournemouth								
	Tunbridge Wells	b	bm	60	37	-	-	9.4	3.7
England, N.W.	Douglas (I.O.M.)								
	Blackpool	c	bc	61	42	0.3	-	7.2	6.1
	Southport	bc.bbc	bccoc	57	44	0.2	-	6.8	5.0
Midlands.	Buxton	bc.bcb	b.bc	55	35	-	-	6.9	2.0
	Leamington Spa	bc	bc	59	35	-	-	8.7	2.4
	Malvern								
	Ross-on-Wye	fe	bby	62	31	-	-	9.7	7.0
Wales.	Rhyl	bc	bcc	59	40	-	-	6.8	5.9
	Colwyn Bay								
	Llandudno	bc	bc	59	44	-	-	6.5	6.6
	Aberystwyth	cbb	bco	59	53	-	-	6.5	6.5
England, S.W.	Weymouth								
	Teignmouth								
	Torquay	b	bbcb	62	43	0.2	-	8.8	8.4
	Paignton	b	bbcm	62	39	-	-	8.6	9.3
	Penzance								
	Newquay	b	b	57	41	0.2	-	7.0	9.6
	Bude	w.bbc	b	60	39	0.2	-	7.3	8.0
	Ilfracombe								
	Weston-s-Mare	b	bbcb	60	39	-	-	8.1	10.0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h. 3rd	Weather 13h-18h. 3rd	Weather 18h. 3rd-1h. 4th	Weather 1h-7h. 4th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	z.q	⊕ q	p.v	ε rhoq				*	*	*
Eskdalemuir	co	omodm	o	omε	52	36	49	-	-	0.0
†Stranraer	bc.c	c.o	c.o	op			*	*	*	*
†Lough Foyle	co.z	r.					*	*	*	*
Valencia (Cahirciveen)	cbc	bc.co	o		62	55	56	-	1	4.3
†Anglesey (Llangefni)	c.o	com	q				*	*	*	*
Falmouth	bbcy	o.bcz	bw	b.bcw	63	43	36	-	-	8.0
†Calshot (Hants)	c.o	bbc		b	60	39	*	*	*	*
†Capel (Folkestone)		bccz	bz	bε	57	41	*	*	*	*
Aberdeen	bczb	bccz	bcm-op		61	46	48	-	1	5.1
†East Fortune	bcc	co	bccw	cbo	59	48	*	*	*	*
†Flamborough Hd.	bz	bbcz		zw	56	40	*	*	*	*
†Felixstowe	b.bcz	bccz	bbcf	bz	58	39	*	*	*	*
†Cranwell (Lincs)	b.bcz	bbc	bbcw	wz	59	36	*	*	*	*
†Bedford	bbc	bccz	bz	bf,	58	30	*	*	*	*
Benson	b.bc	b	bxf		57	29	24	-	-	*
London (Kew Obsy.)	bmxb	b.bzbm	bm bfx		58	33	25	-	-	9.6

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—
Aurora — Solar halo
Rime — Lunar halo
Glazed frost — Solar corona
Glazed roads — Lunar corona

LONDON. OBSERVATIONS.	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. Yesterday.	Humidity % 9 h. G.M.T. To-day.
	24 Hours ended 9h G.M.T. 4th									
Greenwich (Royal Observatory)	b.bc	bm	bxf	59	33	24	-	8.5	55	90
City (Bunhill Row)	*	*	*	*	*	*	*	8.1	*	*
Westminster (St. James's Park)	*	*	*	60	36	29	-	8.2	61	94
" (Admiralty Arch)	bcm.b	bmbf	bxf	59	40	*	-	8.3	61	79
Camden Sq. (British Rainfall)	b	b.bc	*	62	35	33	-	7.4	56	100
Kensington Palace	o.bc	bc	*	59	34	26	-	*	79	86

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 1.073 Joules.

	Milliwatts.
Average Rate.	25.9
Maximum Rate.	38.

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

4th & 5th October 1919.

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

NOTES ON THE WEATHER OF YESTERDAY.

Over England the weather was generally fair and rather warm in the day. In the south of England a maximum of over 60°F. was recorded at some stations. At night the thermometer fell to 29°F. in the screen and to 24°F. on the grass at Benson. Rain fell at some stations in Ireland and Scotland. 11 mm. were measured this morning at Blacksod. More than 10 hours of sunshine was recorded at several stations in the south of England. Much inland mist or fog developed at night in England.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 24,136.B ...SUNDAY 5th OCTOBER.....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. 4th													
†Houton B. (Orkney)	1021.5	+3	WNW	1	cf	54	97	1	½-1000	St	10	-	-	0
Eskdalemuir ...	1027.3	0	SSW	4	om	54	92	5	-	St	10	-	-	*
†Stranraer ...	1026.4	+1	SSE	2	d	57	97	4	2-3000	St	8	A.Cu	2	*
†Lough Foyle ...	1022.5	0	SSW	5	0	60	92	6	2-3000	S.Cu	9	-	-	3
Valencia (Cahirc'n)	1025.5	0	S	1	od	55	97	3	<500	Nb	10	-	-	3
†Anglesey (Llangefni)	1028.2	0	SSW	3	0	59	92	6	1-1500	St	10	-	-	4
Falmouth ...	1029.3	-1	SE	1	bz	60	75	5	-	S.Cu	2	-	-	*
†Calshot (Hants) ...	1029.1	0	SSE	1	b	61	75	7	-	-	-	-	-	3
†Capel (Folkestone)	1028.8	0	NE	3	0	55	75	6	5-6000	St	10	-	-	4
Aberdeen ...	1023.6	0	SSW	4	om	61	75	6	-	S.Cu	9	-	-	3
†East Fortune ...	1025.6	+1	SW	4	bcz	63	65	5	2-3000	S.Cu	5	A.Cu	2	*
†Flamboro' Head ...	1028.6	0	SSE	3	bz	56	75	5	-	-	-	C.S.	1	*
†Felixstowe ...	1029.5	-1	ESE	2	bc	57	75	4	3-4000	F.Cu	5	A.Cu	3	3
†Cranwell (Lincs)	1028.6	0	E	1	bcz	60	75	5	2-3000	St	3	-	-	*
†Bedford ...	1029.0	-1	-	0	bz	60	65	10	-	-	-	-	-	*
Benson	1028.7	-2	NE	1	b	54	75	3	-	-	-	-	-	*
London (Kew Ob.)	1028.7	-2	E	2	bz	58	55	4	-	-	-	-	-	*
	1H. G.M.T. OF 5th													
†Houton B. (Orkney)	1027.8	+6	E	1	?	49	97	0	½-1000	C.Nb	9	-	-	0
Eskdalemuir ...	1029.1	+1	S	3	om	52	97	3	1-1500	St	10	-	-	*
†Stranraer ...	1028.3	+1	SE	2	0	54	97	-	1½-2000	St	10	-	-	*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1027.0	0	SSW	2	om	57	*	*	*	*	*	*	*	*
†Anglesey (Llangefni)														
Falmouth ...	1030.0	-0	NNE	2	bw	50	97	4	-	-	-	-	-	*
†Calshot (Hants) ...														
†Capel (Folkestone)	1029.2	-1	N	2	cf	53	97	0	<500	Nb	10	-	-	2
§Aberdeen ...	1024.5	0	S	2	b	52	97	5	½-1000	St	3	-	-	*
†East Fortune ...	1028.0	+1	S	1	0	57	87	-	3-4000	S.Cu	10	-	-	*
†Flamboro' Head ...														*
†Felixstowe ...	1030.5	-0	NE	2	0	54	97	5	1½-2000	St	10	-	-	3
†Cranwell (Lincs)	1030.7	+1	-	0	f	42	97	0	-	-	-	-	-	*
†Bedford ...	1030.4	0	NW	1	f	40	97	-	-	-	-	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1029.9	0	NNE	1	c	52	*	*	*	*	*	*	*	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF 4th													
†Houton B. (Orkney)	1023.6	+2	N	2	rf	49	97	0	½-1000	St	10	-	-	1
Eskdalemuir ...	1028.3	+2	S	3	om	53	92	3	1-1500	St	10	-	-	*
†Stranraer ...	1027.4	+1	-	0	0	55	97	1	1½-2000	St	10	-	-	*
†Lough Foyle ...	1025.3	+2	SSW	5	0	?	97	4	½-1000	Cu	10	-	-	3
Valencia (Cahirc'n)	1026.2	+2	SSE	4	od	58	97	4	<5000	Nb	10	-	-	4
†Anglesey (Llangefni)	1028.6	+1	SSW	1	0	56	87	4	3-4000	S.Cu	4	A.Cu	5	3
Falmouth ...	1029.2	0	SSE	1	bf	55	92	1	-	S.Cu	2	-	-	*
†Calshot (Hants) ...	1029.9	0	NNW	1	b	55	82	4	-	-	-	-	-	3
†Capel (Folkestone)	1028.7	0	NE	3	0	53	87	5	5-7000	S.Cu	10	-	-	4
Aberdeen ...	1024.6	+3	SSW	2	bcz	59	87	6	-	S.Cu	2	Ci.C	1	2
†East Fortune ...	1026.3	+2	S	2	cz	61	75	5	5-7000	S.Cu	6	A.Cu	2	*
†Flamboro' Head ...	1029.1	+1	S	2	b	57	92	5	-	-	-	A.St	2	*
†Felixstowe ...	1029.6	0	NE	2	0	55	87	5	4-5000	A.Cu	7	-	-	3
†Cranwell (Lincs)	1029.4	+1	-	0	bcz	48	97	3	1-1500	St	3	A.St	1	*
†Bedford ...														*
Benson	1028.8	0	-	0	b	48	92	4	-	-	-	-	-	*
London (Kew Ob.)	1029.1	+1	E	1	bz	51	87	3	-	-	-	-	-	*
	7H. G.M.T. OF 5th													
†Houton B. (Orkney)	1023.2	0	S	1	od	54	92	3	1-1500	St.Cu	9	-	-	1
Eskdalemuir ...	1029.7	+1	SSW	3	ome	52	98	1	½-1000	St	10	-	-	*
†Stranraer ...	1028.5	0	SE	2	of	54	98	2	½-1000	St.	10	-	-	*
†Lough Foyle ...	1025.8	?	SSW	5	0	59	98	3	½-1000	St.Cu	7	A.Cu	3	1
Valencia (Cahirc'n)	1028.3	+2	SSE	3	odm	58	98	4	<500	St	10	-	-	3
†Anglesey (Llangefni)														
Falmouth ...	1030.2	+1	NNE	1	bfe	48	98	1	-	-	-	Ci.St	1	*
†Calshot (Hants) ...	1030.3	0	NE	2	0	52	?	2	<500	St.	10	-	-	3
†Capel (Folkestone)	1029.2	+1	NNE	1	02	54	98	1	1-1500	St.	10	-	-	2
§Aberdeen ...	1025.8	0	S	3	c	57	92	7	-	St.	3	Ci.Cu	5	2
†East Fortune ...	1027.6	0	S	1	c	53	87	6	2-3000	St.Cu	2	Ci.St	6	*
†Flamboro' Head ...	1030.0	+1	SW	2	z	43	98	3		-	-	-	-	*
†Felixstowe ...	1029.9	+1	NE	2	em	55	98	3	3-4000	St.	9	-	-	2
†Cranwell (Lincs)	1025.0	+1	S	4	0	54	98	4	4-5000	St.Cu	10	-	-	*
†Bedford ...	1030.8	0	SSW	1	om	39	98	3	1-1500	St.	10	-	-	*
Benson	1030.6	+1	-	0	ef	36	98	0	-	-	-	-	-	*
London ... ... (M.O. at 1H.)	1030.2	+2	-	0	om	48	92	5	2-3000	St.Cu	6	A.St	4	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 4th					**7H. G.M.T. of 5th**									**24 HOURS ENDED 7H. 5th**						**4th**
Lerwick ...	1023.3	53	W	1	cm	1020.6	-3	54	-1	S	3	-	omd	2	2	55	53	omd	om	om	*
Stornoway ...	1023.5	52	SSE	2	0	1021.3	+2	57	+2	SW	5	-	bc	4	5	59	50	od	odo	od.bcp	0.0
Castlebay (Barra Is)	1022.9	54	SSW	4	ofd	1025.2	+1	54	-1	SW	4	-	efo	4	2	57	52	rdf	fd	df.pef	0.0
Glasgow ...	1026.5	57	SW	2	omg	1027.8	0	55	+1	WSW	1	-	omd	*	2	58	54	omg	omgp	omgp	0.0
Malin Head ...	1022.9	60	SSW	3	c	1024.4	0	60	+3	S	2	S	c	2	-	62	56	bc	c	c	2.5
Blacksod Point	1022.9	57	SSW	2	ofr	1024.5	+2	57	0	SSW	2	-	ogm	2	2	59	50	omr	ofr	om and	*
Roche's Point ...	1026.7	57	SW	1	0	1029.6	0	56	0	WSW	1	-	f	1	0.2	62	56	omo	co	of	*
Birr Castle ...	1025.7	61	S	1	0	1027.8	*	56	0	S	1	-	0	*	-	64	53	0	0	0	0.0
Donaghadee ...	1026.2	57	SSW	3	om	1027.2	+1	52	-3	S	2	-	f	2	-	60	50	om	om	om	*
Liverpool (Bidston)	1028.3	56	SW	1	m	1030.5	0	45	0	ESE	1	-	f	1	-	61	43	bm	bm	bmf	6.5
Holyhead ...	1028.1	56	SSW	4	cfg	1029.3	+1	55	0	S	4	-	of	2	-	59	54	cbcof	cofc	c.of	0.6
Pembroke (St. Ann's Head)	1029.1	56	SSW	1	0	1030.2	0	54	-1	SW	1	-	og	3	-	59	54	c	c	o	1.9
Scilly (St. Mary's)	1029.4	57	-	0	bc	1029.7	0	52	-2	S	1	-	b	2	-	61	51	bc	bc	bc.o	4.4
Jersey (St. Aubin)	1027.5	58	E	3	0	1028.2	0	47	-1	N	3	-	0	2	-	62	47	bmb	bco	o.cbo	8.5
Portland Bill ...	1029.0	56	-	0	b	1029.0	-1	54	+6	NNE	3	NE	c	3	-	61	46	b	b	bc	*
Dungeness ...	1027.7	56	NE	3	c	1028.2	0	56	+11	NNE	2	E	c	2	-	59	44	bc	b	c.o.o.c	*
Wick	1023.6	54	NE	2	omd	1021.5	+1	54	-2	SSW	2	-	bcm	3	1	65	51	om	om	om.bdf	*
Nairn	1023.2	59	W	2	c	1022.7	*	61	+3	SW	2	-	cg	2	0.2	66	51	bccg	cg	cpg	1.6
Leith	1025.7	60	W	1	0	1026.8	0	55	-1	W	1	W	bc	1	-	63	54		c.bc.c	cg.o	*
Tynemouth ...	1027.7	59	-	0	bcm	1028.6	0	45	-2	W	1	-	bf	1	-	61	43	bcm	bcm	bcm.bf	*
Spurn Head ...	1029.4	53	SSE	2	b	1030.0	0	49	+3	S	2	-	bw	2	Trace	57	43	b	b	b	*
Yarmouth (Gorleston)	1028.7	54	E	2	bc	1029.0	0	55	+14	NE	1	-	ogm	1	-	60	39	bcfb	bc	bc.ogm	9.8
Clacton-on-Sea	1028.7	55	NNE	2	c	1029.1	0	55	+13	N	2	-	ogm	2	-	59	41	bfbc	bcc	c.ogm	7.1
Nottingham ...	1028.5	53	S	1	bc	1030.5	*	37	+1	SW	1	-	fe	*	-	65	35	fc	bc	bm	6.5

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1H.

SUMMARY OF CONDITIONS AT 7 A.M.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NE. 0-5	Mod.	Dull, local mist.	Var.	Smooth
2. E. England	N-NE. 0-10	Mod.	Dull, local mist or fog.	Var.	Smooth
3. E. Midlands	Calm	Cold.	Fog	Bad	–
4. W. Midlands	Calm	Cold	Fog	Bad	–
5. S.W. England	Calm	Mod.	Dull, misty	Bad	Smooth
6. South Wales	SW. 0-3	Mod.	Dull	Ord.	Smooth
7. North Wales	S. 10-20	Mod.	Dull, misty	Poor	Smooth
8. N.W. England	SE-S. 0-6	R. Cool	Fog locally	Bad	Smooth
9. N. Midlands	SW. 0-5	R. Cool	Fog locally	Bad	–
10. N.E. England	SW-W. 2-5	Mod.	Fine to cloudy, local mist	Mod.	Smooth
11. E. Scotland	S-W. 2-10	Warm	Fair or cloudy	Fair	Smooth
12. S.W. Scotland	S-SW. 2-10	Warm	Dull. Fog and drizzle	Bad	Smooth
13. Isle of Man	S-SW. 5-10	Warm	Cloudy, misty	Poor	Smooth
14. N.&N.W. Scotland	SW. 5-10	Warm	Fair, local mist.	Var.	Slight
15. Hebrides	SW. 15-20	Warm	Fair, local mist.	Var.	Mod.
16. Orkneys and Shetlands	S-SW. 2-10	Warm	Mist and drizzle.	Poor	Smooth
17. N.W. Ireland	S-SW. 4-7	Warm	Cloudy, mist locally.	Poor	Smooth
18. N.E. Ireland	S-SW. 4-7	Mod.	Cloudy, mist locally.	Poor	Smooth
19. S.E. Ireland	S-SW. 2-6	Warm	Cloudy, mist or drizzle locally.	Poor	Smooth
20. S.W. Ireland	SSE-SW. 2-12	Warm	" " "	Poor	Slight

EXPLANATION.

BAROMETER.—Isobars are drawn to 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. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in degrees F.

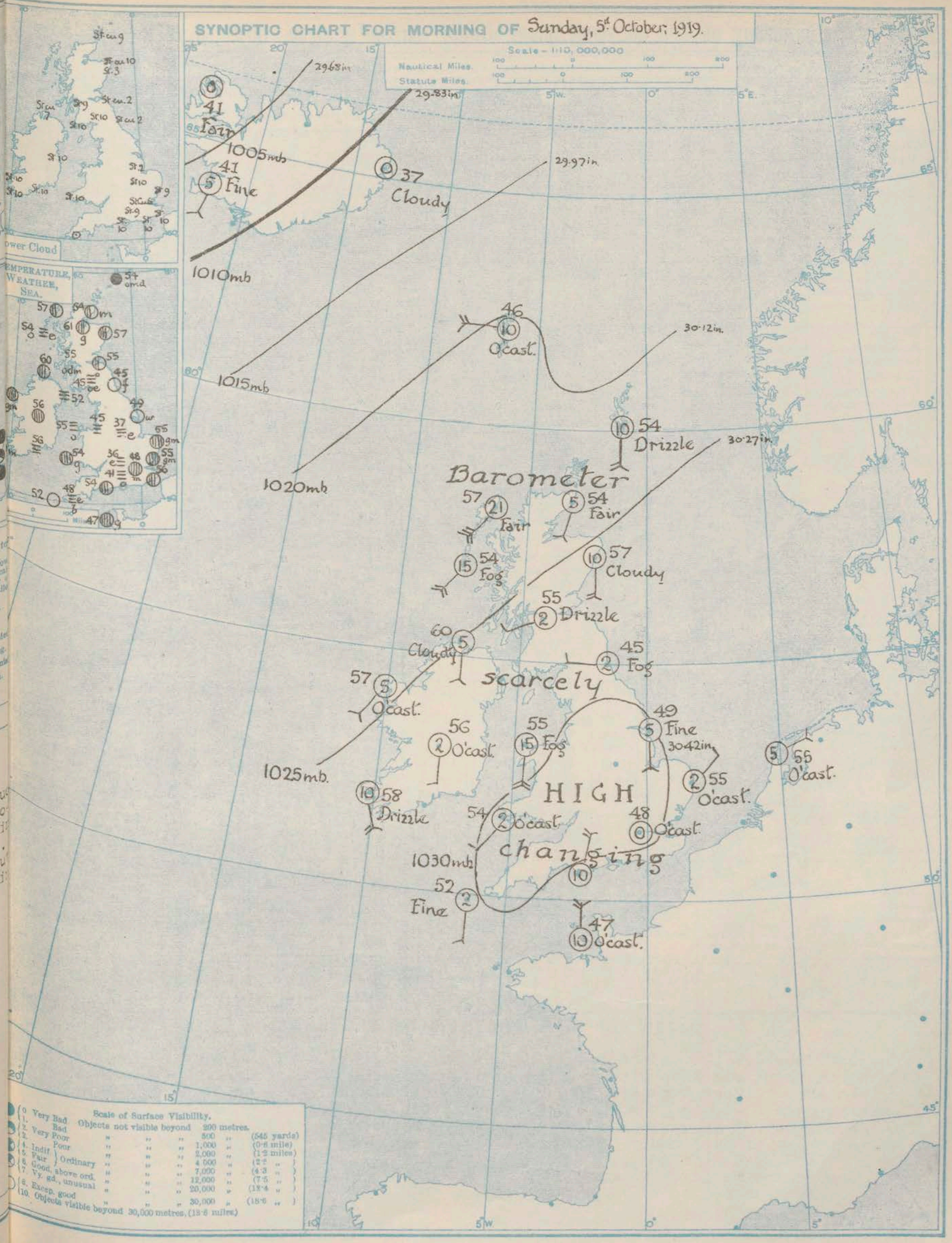
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. mist. thunder. thunderstorm.

SEA DISTURBANCE.—
Rough High

GENERAL INFERENCE from observations received up to 3 p.m.

An extensive anticyclone covers the British Isles and North Sea. Mild weather, light winds and much mist or fog seem probable generally.

Districts.	Forecasts for the 24 hours commencing 3 p.m.	Further Outlook.
1. S.E. England 2. E. England	Light variable breezes, cloudy, local mist especially at night; mild.	Light winds and fair to cloudy weather will probably be maintained over England. Elsewhere the outlook is uncertain.
3. E. Midlands 4. W. Midlands	Light variable breezes, fair generally, mist or fog at night. Cool night rather warm day.	
5. S.W. England	Light variable or SW'ly breezes, mainly fair perhaps some drizzle later, mist locally. Rather warm.	
6. South Wales 7. North Wales 8. N.W. England	Light variable or SW'ly breezes, cloudy, perhaps some drizzle, mist locally. Rather warm.	
9. N. Midlands 10. N.E. England	Same as Districts 3 - 4.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Light or moderate SW'ly or W'ly breezes, cloudy or overcast, coastal fog and drizzle locally. Mild.	
19. S.E. Ireland 20. S.W. Ireland	Same as Districts 1 - 2.	


SYNOPTIC CHART FOR MORNING OF Sunday, 5th October 1919.
Scale – 1:10,000,000
Nautical Miles
Statute Miles
29.68in
29.83in
29.97in
30·12in.
30·27in.
30·42in.
1005mb
1010mb
1015mb
1020mb
1025mb.
1030mb
41 Fair
41 Fine
37 Cloudy
46 10 O'cast.
10 54 Drizzle
Barometer
57 21 Fair
5 54 Fair
15 54 Fog
10 57 Cloudy
55 2 Drizzle
60 5 Cloudy
2 45 Fog
scarcely
57 5 O'cast.
56 2 O'cast.
55 15 Fog
5 49 Fine
5 55 O'cast.
2 55 O'cast.
10 58 Drizzle
54 2 O'cast.
48 0 O'cast.
HIGH
changing
10
52 Fine 2
10 47 O'cast.
Scale of Surface Visibility.
0 Very Bad
1. Bad Objects not visible beyond 200 metres.
2. Very Poor " " " 500 " (545 yards)
4. Indif. Poor " " " 1,000 " (0·6 mile)
5. Fair } Ordinary " " " 2,000 " (1·2 miles)
6. Good, above ord. " " " 4,000 " (2·5 ")
7. Vy. gd., unusual " " " 7,000 " (4·3 ")
8. Excep. good " " " 12,000 " (7·5 ")
9. " " " 20,000 " (12·4 ")
10. Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No 278. B { SUNDAY 5th OCTOBER 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 4th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h 9h. 3rd	Rainfall. Day. 9h-17h. 4th	Sunshine. to 17h. 4th	Sunshine. Sunrise to Sunset. 3rd
Scotland.	Oban	o	ro	60	54	3	1	-	1.0
	Banff	bc	bc	67	54	-	-	4.3	4.3
	Montrose	bbc	bco	62	51	-	-	2.6	4.0
	St. Andrews								
England, N.E.	Harrogate	b	bbco	66	42	-	-	6.8	9.4
	Skegness								
England, E.	Felixstowe	bom	bc	59	38	-	-	6.0	9.2
	Walton-on-Naze								
	Southend-on-Sea	bwb	bcco	61	41	-	-	6.5	—
England, S.E.	Margate	bcb	c	58	47	-	-	3.4	7.3
	Ramsgate	bc	bc	58	47	-	-	3.0	7.2
	Folkestone	cbc	co	61	46	-	-	4.5	8.8
	Hastings	b	bco	61	45	-	-	6.4	10.5
	Eastbourne	bbc	bcco	60	43	-	-	7.5	10.2
	Brighton								
	Worthing								
	Littlehampton	bc	bc	60	55	-	-	9.8	10.2
	Bournemouth								
	Tunbridge Wells	b	bbco	61	32	-	-	7.3	9.4

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 3rd	Rainfall. Day. 9h-17h. 4th	Sunshine. to 17h. 4th	Sunshine. Sunrise to Sunset. 3rd
England, N.W.	Douglas (I.O.M.)								
	Blackpool								
	Southport	bcb	b	63	43	-	-	9.0	6.8
Midlands.	Buxton	mcbcb	b	66	34	-	-	8.9	6.9
	Leamington Spa	b.	b.	63	33	-	-	8.4	8.7
	Malvern								
	Ross-on-Wye	b.	b	65	35	Trace	-	7.3	9.7
Wales.	Rhyl								
	Colwyn Bay								
	Llandudno								
	Aberystwyth	cbb	bcc	61	55	-	-	8.5	6.5
England, S.W.	Weymouth								
	Teignmouth								
	Torquay								
	Paignton	b.	bm	61	36	-	-	9.8	8.6
	Penzance								
	Newquay	b.	b	60	40	-	-	9.5	7.0
	Bude	bw	b	60	39	-	-	10.0	7.3
	Ilfracombe								
	Weston-s-Mare								

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 4th	Weather 13h-18h 4th	Weather 18h-1h 5th	Weather 1h-7h 5th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	ef.pd	d.o	ef.d.	ode	56	48	*	*	*	*
Eskdalemuir	odmom	odmom	om	oemodm	55	50	51	Trace	0.1	0.0
†Stranraer	or	co.p	o.e	oe.	58	55	*	*	*	*
†Lough Foyle	co	c.o		c.p	60	52	*	*	*	*
Valencia (Cahirciveen)	ord	ord	odm		59	57	57	5	2	0.0
†Anglesey (Llangefni)	og	o					*	*	*	*
Falmouth	bcbz	bzbf	bmc	bw	61	44	37	-	-	8.2
†Calshot (Hants)	b	b		b	63	39	*	*	*	*
†Capel (Folkestone)	cog	bbcz	ef.d.	bcc.ef	57	43	*	*	*	*
Aberdeen	bcmom	czcbc	bcz.c		62	54	45	-	-	1.7
†East Fortune	bccz	bcc.z	co.z	cz	66	47	*	*	*	*
†Flamborough Head	z	ef		zw	57	40	*	*	*	*
†Felixstowe	b.bcz	co.z	co	c.oem	50	39	*	*	*	*
†Cranwell (Lincs)	bbcz	bbcz	W.W.	zw	61	39	*	*	*	*
†Bedford	bz		bz	bc.cz	61	33	*	*	*	*
Benson	b	b	b.fe		59	30	31	-	0.1	*
London (Kew Obsy.)	bfxbmwb	bz	om		60	34	34	-	-	8.2

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—
Aurora — Solar halo
Rime — Lunar halo
Glazed frost — Solar corona
Glazed roads — Lunar corona

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. Yesterday.	Humidity % 9 h. G.M.T. To-day.
24 Hours ended 9h G.M.T. 5th										
Greenwich (Royal Observatory)	b.	bc.c	c.om	62	42	39	-	7.6	59	87
City (Bunhill Row)	*	*	*	*	*	*	*	-	*	*
Westminster (St. James's Park)	*	*	*	-	-	-	-	-	-	-
" (Admiralty Arch	bf.bm	b.bm	bc.com	62	46	*	-	6.1	69	93
Camden Sq. (British Rainfall)	cm.bc	b.bc	*	65	46	41	-	6.7	55	89
Kensington Palace	b	b	*	62	43	36	-	*	-	92

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ..... Joules.

Milliwatts.

Average Rate. -

Maximum Rate. -

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

5th & 6th OCTOBER 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.2	11.42	5.21
	6.4	11.41	5.18
Greenwich	6.9	11.49	5.29
	6.10	11.48	5.26
Wick	6.28	12.1	5.34
	6.30	12.0	5.31
Valencia	6.49	12.30	6.10
	6.51	12.29	6.7

NOTES ON THE WEATHER OF YESTERDAY.

Over most of Ireland and Scotland the day was dull, warm and damp. In these districts there was much mist or fog especially on the coast.

In the South of England the day was fair and warm. As much as 10 hours of sunshine were recorded at Bude and 9.8 hours at Littlehampton and at Yarmouth.

Remarkably high maxima for the time of year were recorded at some stations in the northeast of Scotland. The thermometer reached 67°F at Banff and 66°F at Nairn. The amount of sunshine recorded at Nairn was only 1.6 hours. At several stations in the North the temperature did not fall below 50°F at night. At Malin Head and Roche's Point it did not fall below 56°F.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 21,137.B ..MONDAY..6th..OCTOBER.....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind Direc.	Wind Force 0-12.	Weather	Temp. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud Form	Low Cloud Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H. G.M.T. ....5th.....													
†Houton B. (Orkney)	1023.6	+1	WNW	3	c	57	92	8	½-1000	Cu.Nb	5	Ci.Cu	2	2
Eskdalemuir ...	1029.7	0	SSW	3	om	55	87	5	1½-2000	St	10	-	-	*
†Stranraer ...	1028.7	0	-	0	od	56	98	2	-	St.	10	-	-	*
†Lough Foyle ...	1027.3	-1	WNW	2	o	59	97	2	½-1000	St	10	-	-	3
Valencia (Cahire'n)	1029.1	0	S	4	o	58	97	4	½-1000	St	10	-	-	3
†Anglesey (Llangefni)	1029.5	-1	SSW	1	o	58	92	7	2-3000	St	9	-	-	4
Falmouth ...	1029.3	-2	N	3	bz	60	76	5	-	S.Cu	3	-	-	*
†Calshot (Hants) ...	1029.1	-1	SE	1	o	62	87	5	<500	St	10	-	-	3
†Capel (Folkestone)	1028.9	-2	NE	2	of	56	92	3	1-1500	St	10	-	-	2
Aberdeen ...	1025.7	0	S	3	bcz	63	75	6	-	-	-	F.Ci	6	2
†East Fortune ...	1027.6	-1	WSW	3	c	66	76	5	3-4000	S.Cu	6	Ci.C	2	*
†Flamboro' Head..	1029.9	-1	S	2	b	58	75	7	-	-	-	A.St	2	*
†Felixstowe ...	1029.9	-1	NE	1	o	59	82	3	3-4000	St	10	-	-	1
†Cranwell (Lincs)	1029.8	-1	-	0	b	64	75	8	3-4000	F.Cu	3	A.St	2	*
†Bedford ...	1030.1	-0	-	0	of	55	82	2	3-4000	St.	10	-	-	*
Benson	1029.6	-1	NE	1	of	54	87	3	-	-	-	-	-	*
London (Kew Ob.)	1029.4	-2	N	1	om	57	87	3	2-3000	St.	10	-	-	*
	1H. G.M.T. OF ....6th.....													
†Houton B. (Orkney)	1020.1	-1	-	0	c	53	92	6	3-4000	C.Nb	5	Ci	3	3
Eskdalemuir ...	1029.4	-1	S	2	odm	53	97	3	½-1000	St.	10	-	-	*
†Stranraer ...	1027.2	-1	-	0	em	55	97	*	1½-2000	St	10	-	-	*
†Lough Foyle ...														*
Valencia (Cahire'n)	1029.0	0	SSW	2	bcm	58	*	*	*	*	*	*	*	*
†Anglesey (Llangefni)	1029.7	0	-	0	o	48	87	-	1-1500	St.	10	-	-	4
Falmouth ...	1028.7	-2	N	3	b.fe	49	97	3	-	-	-	-	-	*
†Calshot (Hants) ...	1028.9	0	ENE	1	o	58	92	6	1½-2000	St.	10	-	-	3
†Capel (Folkestone)	1028.3	-1	NNE	2	om	56	97	3	½-1000	St.	10	-	-	3
§Aberdeen ...	1023.2	-1	S	3	bc	53	92	4	-	-	-	A.Cu	6	*
†East Fortune ...	1026.0	0	WSW	2	o	58	82	-	3-4000	S.Cu	9	-	-	*
†Flamboro' Head..														*
†Felixstowe ...	1029.0	-1	N	1	o	56	92	3	4-5000	St.	10	-	-	3
†Cranwell (Lincs)	1028.9	-2	-	0	f	48	97	3	1½-2000	St	3	A.St	5	*
†Bedford ...	1029.3	0	NNE	2	om	53	92	1	1½-2000	St	10	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1029.0	0	-	0	o	56	*	*	*	*	*	*	*	*

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind Direc.	Wind Force 0-12.	Weather	Temp. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud Form	Low Cloud Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF ....5th.....													
†Houton B. (Orkney)	1023.7	+1	SSW	1	bc	54	92	7	1½-2000	S.Cu	3	A.St	2	*
Eskdalemuir ...	1029.1	0	SW	2	ome	54	97	4	1-1500	St	10	-	-	*
†Stranraer ...	1028.3	0	-	0	od	55	98	1	2-3000	St.	10	-	-	*
†Lough Foyle ...	1027.0	+1	-	0	b	59	92	6	3-4000	S.Cu	3	Ci	1	2
Valencia (Cahire'n)	1028.7	0	S	2	o	58	97	3	<500	St.	10	-	-	4
†Anglesey (Llangefni)														
Falmouth ...	1028.4	0	N	3	fb	54	92	1	-	-	-	-	-	*
†Calshot (Hants) ...	1028.6	+1	E	1	om	59	87	2	½-1000	St	10	-	-	3
†Capel (Folkestone)	1028.4	+1	NNE	2	om	55	92	5	1½-2000	St.	10	-	-	3
Aberdeen ...	1024.7	-1	SSW	3	bz	61	87	6	-	S.Cu	1	F.Cu	1	2
†East Fortune ...	1027.7	0	NW	2	c	59	92	3	3-4000	S.Cu	5	A.Cu	2	*
†Flamboro' Head..														*
†Felixstowe ...	1029.5	0	ENE	2	o	58	92	2	2-3000	St	10	-	-	2
†Cranwell (Lincs)	1028.9	0	ESE	1	b	50	97	5	4-5000	St.	2	A.St.	1	*
†Bedford ...	1029.3	-1	-	0	o	56	87	3	1½-2000	St	10	-	-	*
Benson	1028.6	0	-	0	o	55	92	3	-	St	10	-	-	*
London	1029.0	+1	ENE	1	om	57	87	3	2-3000	St.	10	-	-	*
	7H. G.M.T. OF ....6th.....													
†Houton B. (Orkney)	1020.2	0	WNW	7	oq	49	98	6	½-1000	Cu.Nb	5	Fa.Ci	4	4
Eskdalemuir ...	1026.5	0	S	3	ofe	53	98	0	<500	St.	10	-	-	
†Stranraer ...	1026.1	0	-	0	oz	57	98	1	1½-2000	St.	10	-	-	*
†Lough Foyle ...	1026.4	+1	WSW	5	od	55	98	1	1½-2000	Nb	10	-	-	2
Valencia (Cahire'n)	1028.8	0	NE	1	cf	57	98	1	-	St.Cu	7	-	-	3
†Anglesey (Llangefni)	1029.0	0	SW	?	o	51	92	4	½-1000	St.	10	-	-	4
Falmouth ...	1028.1	+1	N	2	cm	51	92	4	-	St.Cu	8	-	-	*
†Calshot (Hants) ...	1028.9	0	N	1	o	56	92	3	2-3000	St.	10	-	-	2
†Capel (Folkestone)	1028.2	0	N	3	of₁	55	98	0	<500	St.	10	-	-	3
§Aberdeen ...	1021.3	-1	WNW	1	bc3	55	92	4	-	St.Cu	2	Ci.Cu	3	2
†East Fortune ...	1023.5	-2	WSW	3	c	60	82	6	3-4000	St.Cu	7	-	-	*
†Flamboro' Head..	1028.2	0	WSW	3	ef₂	45	98	0	-	-	-	-	-	*
†Felixstowe ...	1029.1	+1	NNE	1	ef	55	98	2	3-4000	St.	10	-	-	3
†Cranwell (Lincs)	1028.9	0	WSW	1	b	45	98	3	2-3000	St	4	A.St	3	*
†Bedford ...	1029.1	+1	S	1	om	52	92	3	1-1500	St.	10	-	-	*
Benson	1028.9	+1	-	0	em	51	98	2	-	-	-	-	-	*
London	1029.0	+1	-	0	om	53	98	1	2-3000	St.	10	-	-	*

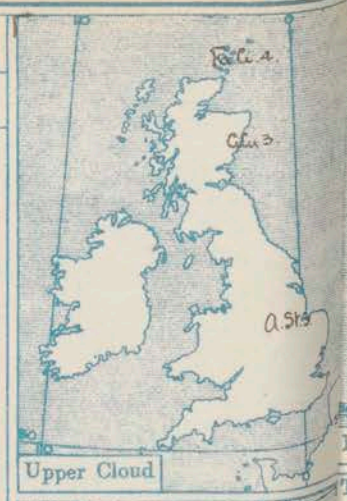
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind Direc.	Wind Force 0-12.	Weather.	Barometer at M.S.L. m.b.	Barometer ‡ Change in 3 hours.	Temperature Temp. °F.	Temperature Change in 24 hours.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather Morning.	Weather Afternoon.	Weather Night.	Sunshine Hours.
	18H. G.M.T. of ....5th.....					7H. G.M.T. of ....6th.....									24 HOURS ENDED 7H. ....6th.....						....5th.....
Lerwick ...	1022.5	53	SW	2	omd	1016.5	+2	50	-4	~~SW~~	3	E	bcm	2	3	59	49	om	omd	omd	*
Stornoway ...	1022.2	55	SSW	6	oq	1024.7	+6	48	-9	NW	4	-	b	?	5	58	48	bcq	bcoq	odp.b	2.5
Castlebay (Barra Is)	1024.9	54	SSW	4	of													efcom	omof		
Glasgow ...	1027.9	57	SSW	1	om	1024.5	-1	57	+2	SW	3	-	m	*	1	58	55	omdp	omdp	~~mdq~~	0.0
Malin Head ...	1025.8	56	SE	1	bcf	1024.9	0	56	-4	SW	2	-	fd	2	1	60	56	bc	bc	bc	4.8
Blacksod Point	1026.0	57	SW	3	of	1025.3	+1	57	0	SW	2	-	bfd	3	1	60	52	om	of	of.bcm	*
Roche's Point...	1029.2	58	WSW	2	o	1028.5	0	58	+2	-	0	-	o	1	2	62	56	f.dom	om	om	*
Birr Castle ...	1027.9	63	-	0	o	1027.8	*	59	+3	W	1	-	m	*	-	65	56	o	o	of	0.0
Donaghadee ...	1027.5	58	SW	2	om	1025.8	-1	58	+6	W	2	-	om	1	-	61	~~56~~	of.m	om	om	*
Liverpool (Bidston)	1029.1	54	SW	1	b	1028.5	0	50	+5	-	0	-	f	1	-	59	45	bm	bm	omf	7.3
Holyhead ...	1029.0	56	SW	3	omq	1028.4	0	53	-2	SSW	3	-	cmq	2	-	59	52	ofcom	ocomq	omq.c	0.2
Pembroke (St. Ann's Head)	1029.4	55	NW	2	c	1029.2	0	49	-5	NE	1	-	bm	2	-	60	47	ocv	cv	o.bc	2.6
Scilly (St. Mary's)	1028.4	54	NE	1	bc	1028.5	0	53	+1	ENE	2	-	fe	3	-	57	50	om	omc	bfe	0.0
Jersey (St. Aubin)	1026.7	59	ENE	4	o	1026.1	0	56	*	NE	3	-	b	3	-	61	56	of	ofcof	o.bw	0.6
Portland Bill ...	1027.8	60	-	0	o	1028.0	0	57	+3	NE	3	-	o	2	-	63	52	bcb	b.o	o	*
Dungeness ...	1027.5	58	NE	3	c	1027.5	0	55	-1	W	1	-	c	1	-	60	54	co	oc	c.o.c	*
Wick	1023.0	54	W	1	bc	1021.5	+6	52	-2	NW	3	-	o	2	0.3	60	51	bcm bc	bc	bc.c.om	*
Nairn	1023.7	59	W	2	c	1021.7	*	56	-5	W	3	-	ou	2	1	69	56	cbcqv	qbc.c	bcqp.c	5.0
Leith	1026.6	57	NW	1	c	1023.0	-1	60	+5	W	2	-	o	1	-	65	54	bcm.co	c.om.o	cm.oqo	*
Tynemouth ...	1028.1	55	SW	2	bcf	1026.1	?	47	+2	SW	2	-	f	1	-	65	44	bf	bcm	bf	*
Spurn Head ...	1029.6	54	S	2	fe	1028.3	0	51	+2	SSW	1	-	bcm	1	1	58	48	bv	br.fe	c.bcm	*
Yarmouth (Gorleston)	1028.6	56	NE	2	m	1027.6	-1	55	0	NE	1	-	ogm	1	-	59	54	ogmom	ogm	ogm.om	0.0
Clacton-on-Sea	1028.6	57	NNE	2	o	1028.0	0	57	+2	NNE	1	-	ogm	2	-	60	54	ogmz	ogz	ogm	0.0
Nottingham ...	1028.9	55	SE	1	b	1028.9	*	42	+5	SW	1	-	fe	*	0.1	67	37	fmb	bm	bmf	7.4

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Monday, 6th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	W-N. 0-10	Moderate	Mainly dull, local mist and fog.	V.poor	Smooth
2. E. England	Var. 0-2	"	Dull, fairer in north, local mist and fog.	Poor	"
3. E. Midlands	Var. 0-2	R. cold	Cloudy or dull, local damp mist and fog.	"	–
4. W. Midlands	Var. 0-2	"	Cloudy or dull, local mist.	"	–
5. S.W. England	N-NE. 5-10	Moderate	Cloudy or dull, local mist and fog.	Indiff.	Slight
6. South Wales	Var. 0-2	R. cold	Variable sky, local mist and fog.	Poor	Smooth
7. North Wales	SW. 2-10	Moderate	Cloudy or dull, local mist.	Indiff.	"
8. N.W. England	SSW. 0-2	"	Dull, local fog.	Poor	"
9. N. Midlands	SW-W. 2-5	R. cold	Fair or dull, local mist and fog.	"	–
10. N.E. England	S-W. 2-10	"	Fair or cloudy, mist & fog.	V.poor	Smooth
11. E. Scotland	SW-NW. 2-10	Warm	Fair to dull, local haze.	Good	"
12. S.W. Scotland	S-SW. 5-15	"	Dull, mist and fog.	Bad	"
13. Isle of Man	SW. 5	R. warm	Dull.	–	"
14. N.&N.W. Scotland	NW-W. 10	Moderate	Variable sky, local mist.	Ord.	"
15. Hebrides	SW-NW. 15	"	Variable sky.	"	"
16. Orkneys and Shetlands	Var. 10-30	"	Fair or dull, squally at Orkneys.	Var.	Slight
17. N.W. Ireland	SW. 5	R. warm	Dull, foggy	V.poor	"
18. N.E. Ireland	SW-W., 5-15	"	Dull, local drizzle, mist and fog.	"	Smooth
19. S.E. Ireland	Var. 0-2	"	Dull, local mist.	Poor	"
20. S.W. Ireland	Var. 0-2	"	Cloudy or dull, local mist and fog.	V.poor	"

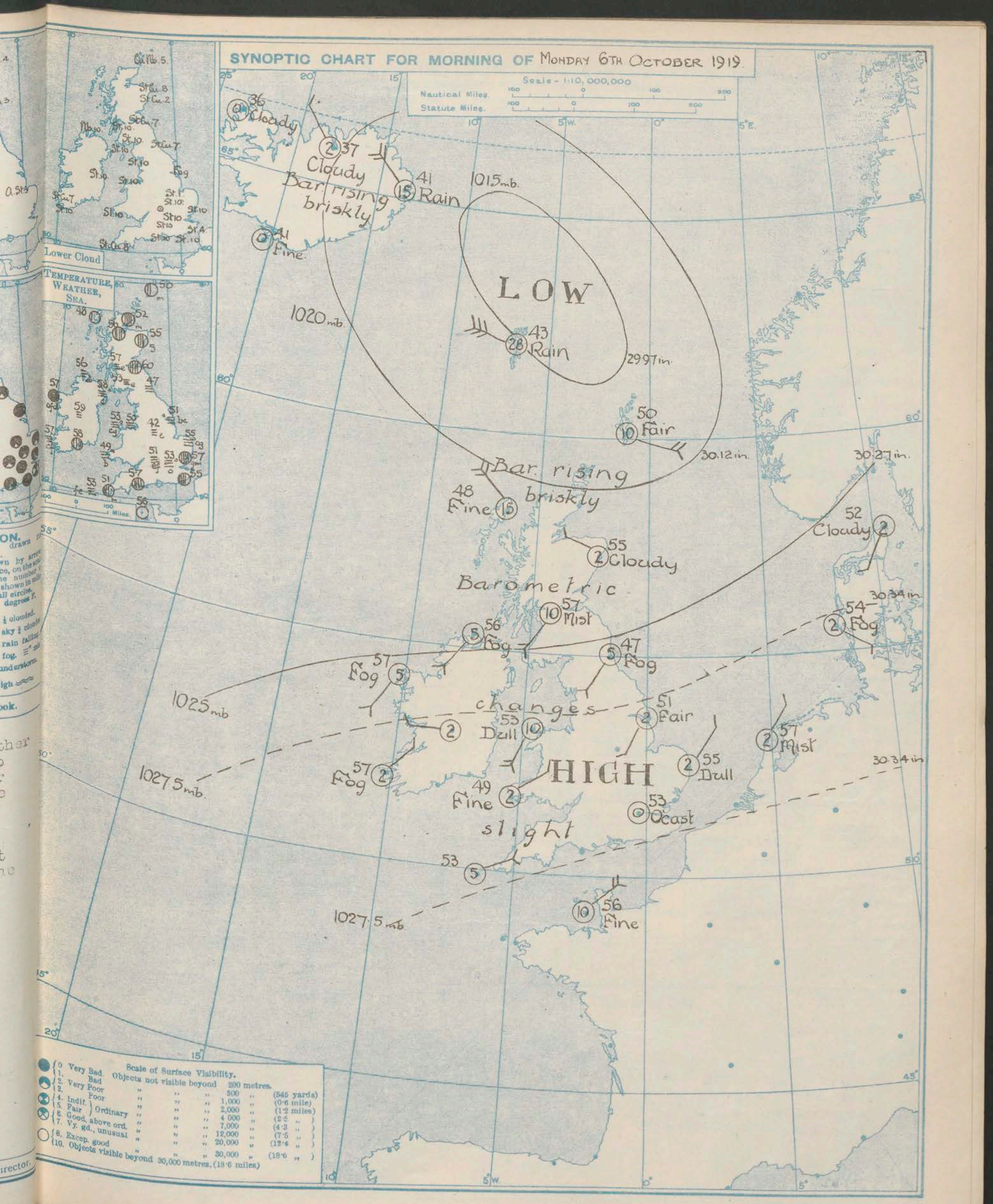


EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. T thunder. R thunderstorm.
SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

The irregular changes of pressure taking place over the northern part of the United Kingdom will probably give rise to some showers in Scotland and northern Ireland, but elsewhere fairer weather is probable, as the anticyclone shows no signs of giving way.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Monday, 6th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light indefinite breezes. Fair to cloudy, mist or fog. Moderate temperature.	Fair weather is likely to continue for two or three days over England and Southern Ireland, but elsewhere the outlook is uncertain.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Light SW. breeze. Fair to cloudy, mist or fog. Rather mild.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Light indefinite to SW. breeze. Fair to cloudy, misty, occasional drizzle. Rather mild.	
19. S.E. Ireland 20. S.W. Ireland	Same as for 1-6	


SYNOPTIC CHART FOR MORNING OF MONDAY 6TH OCTOBER 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
LOW
HIGH
1015 mb.
1020 mb.
1025 mb
1027.5 mb
29.97 in.
30.12 in.
30.27 in.
30.34 in
Bar. rising briskly
Bar. rising briskly
Barometric changes slight
Scale of Surface Visibility.
0 Very Bad. Objects not visible beyond 200 metres.
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair } Ordinary
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
10. Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 279. B { MONDAY 6th OCTOBER 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR ....5th.....

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. ...4...	Rainfall. Day. 9h-18h. ...5...	Sunshine. to 18h. ...5th...	Sunshine. Sunrise to Sunset. ...4...
Scotland.	Oban								
	Banff	bc	b	72	55	0·1	-	5.0	4.3
	Montrose								
	St. Andrews ...								
England, N.E.	Harrogate	b	bbc	63	41	-	-	7.8	8.8
	Skegness								
England, E.	Felixstowe	bcom	om	59	50	-	-	0.0	6.0
	Walton-on-Naze...								
	Southend-on-Sea...	of	opm	59	51	-	-	0.0	
England, S.E.	Margate								
	Ramsgate	o	o	59	54	0.6	-	0.0	3.0
	Folkestone	o	o	60	54	0.2	-	0.0	4.5
	Hastings	o	o	59	53	-	-	0.0	6.4
	Eastbourne... ...	o	o	60	54	-	-	0.0	7.5
	Brighton	o	o	60	57	-	-	0.0	?
	Worthing	o	o	58	53	-	-	0.0	?
	Littlehampton ...	o	g	59	58	-	-	0.0	9.8
	Bournemouth ...								
	Tunbridge Wells	o	o	58	49	-	-	0.0	7.3

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. ...4...	Rainfall. Day. 9h-18h. ...5...	Sunshine. to 18h. ...5...	Sunshine. Sunrise to Sunset. ...4...
England, N.W.	Douglas (I.O.M.)								
	Blackpool								
	Southport	bcbbc	bcc	57	40	-	-	6.2	9.0
Midlands.	Buxton								
	Leamington Spa...	b.	b	65	34	-	-	8.5	6.4
	Malvern								
	Ross-on-Wye ...	fcbm	bz	63	36	0·1	-	5.5	7.3
Wales.	Rhyl	bc	bc	61	42	-	-	9.0	?
	Colwyn Bay ...								
	Llandudno	b	b	63	47	-	-	9.3	?
	Aberystwyth ...								
England, S.W.	Weymouth								
	Teignmouth ...								
	Torquay	b	b	62	44	-	-	9.2	?
	Paignton	b	bm	62	39	-	-	9.1	9.8
	Penzance	co	o	59	47	-	-	3.9	?
	Newquay	bco	obc	56	39	-	-	1.2	9.5
	Bude								
	Ilfracombe								
	Weston-s-Mare ...								

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h. 5th	Weather 13h-18h. 5th	Weather 18h. 5th-1h. 6th	Weather 1h-7h. 6th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	2g	v.z.	bbc	o	56	48	*	*	*	*
Eskdalemuir	omcom	omc	odm	odmfc	56	50	52	-	1	0.0
†Stranraer	oz	oem	pd.	oz	58	54	*	*	*	*
†Lough Foyle	o	bcez		cp	61	52	*	*	*	*
Valencia (Cahirciveen) ...	odo	oc	od mf		60	56	52	-	-	0.0
†Anglesey (Llangefni) ...	o		o	c.o	59	40	*	*	*	*
Falmouth	bmbz	bz.bf	bobfc	bmw	61	47	41	-	-	9.0
†Calshot (Hants)	z	om	o	o	63	39	*	*	*	*
†Capel (Folkestone)... ...	cf.r	f.pd.	o	em	57	45	*	*	*	*
Aberdeen	cmbcz	bczbz	bw.	bc3	64	49	42	-	-	4.2
†East Fortune	co	co.z	bccz	bc.c	67	55	*	*	*	*
†Flamboro' Head.. ...	bz			cf	59	54	*	*	*	*
†Felixstowe	em.p	oz	oz	om.z	59	52	*	*	*	*
†Cranwell (Lincs) ...	bbc	bbc	co.w	pdw	65	43	*	*	*	*
†Bedford	ofw	om	om	em	58	36	*	*	*	*
Benson	o	o	ofe		58	36	37	-	0.1	*
London (Kew Obsy.) ...	om	om	om		59	48	50	-	-	0.0

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.

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- 1·6
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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora, Rime, Glazed frost, Glazed roads, Solar halo, Lunar halo, Solar corona, Lunar corona

LONDON. OBSERVATIONS.

24 HOURS ENDED 9h G.M.T. ...6th.....

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. (Yesterday.)	Humidity % 15 h. G.M.T. (Yesterday.)	Humidity % 9 h. G.M.T. (To-day.)
Greenwich (Royal Observatory)	o.c.o	om	omd.om	60	53	51	-	0.0	83	87
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James's Park)	*	*	*	60	54	51	-	0.0	88	76
" (Admiralty Arch	odm.of	om	omd.om	59	53	*	-	0.0	88	76
Camden Sq. (British Rainfall)	-	-	*	60	53	52	-	0.0	-	73
Kensington Palace	o	o	*	59	52	52	-	*	18h.89	89

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ....237..... Joules.

Milliwatts.

Average Rate. 5.8

Maximum Rate. 13

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

.....6th & 7th OCTOBER.... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	6.4	11.41	5.18
	6.6	11.41	5.16
Greenwich	6.10	11.48	5.26
	6.12	11.48	5.24
Wick ...	6.30	12.0	5.31
	6.32	12.0	5.29
Valencia ...	6.51	12.29	6.7
	6.53	12.29	6.5

NOTES ON THE WEATHER OF YESTERDAY.

Except in the Shetlands and Hebrides, rainfall was very scanty, Roche's Point measuring 2 mm, Spurn Head and a few Irish and Scottish stations 1 mm. At Stornoway the total was 5 mm. At a few stations the sun shone for 8 or 9 hours, but at most the day was dull. Mist and fog were very prevalent. The temperature reached 69° at Nairn and 67° at Nottingham.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 21,138 B ....TUESDAY, 7TH OCTOBER...1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
13H. G.M.T. ...6TH														
†Houton B. (Orkney)	1026.7	+4	NW	7	bcq	49	75	7	5-7000	Cu	3	A.St	2	6
Eskdalemuir ...	1027.0	+1	SW	4	odm	57	98	2	½-1000	St	10	-	-	*
†Stranraer ...	1028.2	0	N	2	or	59	98	1	½-1000	St	10	-	-	*
†Lough Foyle ...	1030.6	+2	NNE	5	o	51	98	6	1½-2000	St	9	-	-	2
Valencia (Cahirc'n)	1029.0	0	-	0	o	59	98	8	2-3000	Cu	10	-	-	2
†Anglesey (Llangefni)	1029.4	0	SW	2	od	56	98	4	1-1500	St	10	-	-	4
Falmouth ...	1028.2	0	NE	3	b3	62	65	5	-	-	-	-	-	*
†Calshot (Hants) ...	1028.4	-1	SSE	1	b1	64	82	5	5-7000	Cu	1	-	-	3
†Capel (Folkestone)	1028.7	-1	NNE	3	3	63	75	5	3-4000	St.Cu	8	-	-	3
Aberdeen ...	1028.4	+6	NW	5	bcqy	57	45	8	-	St.Cu	1	F.Ci.	3	3
†East Fortune ...														*
†Flamborough Head	1027.3	-1	WSW	2	bc	59	87	4	-	-	-	A.St	4	*
†Felixstowe ...	1029.1	-4	SSE	1	c	62	75	3	2-3000	St	6	A.St	1	1
†Cranwell (Lincs)	1027.9	-1	W	3	b0	63	75	6	-	-	-	-	-	*
†Bedford ...	1028.8	-1	-	0	bc3	63	65	-	4-5000	Fr.Cu	4	-	-	*
Benson	1028.3	-1	NNE	1	o	61	75	5	*	*	*	*	*	*
London (Kew Ob.)	1028.6	-2	NNE	1	bcm	62	65	5	2-3000	St	3	A.Cu	1	*
1H. G.M.T. OF ...7TH														
†Houton B. (Orkney)	1036.2	+2	NNW	1	b1	40	87	6	1½-2000	St	2	A.St	2	0
Eskdalemuir ...	1037.0	+2	N	3	bc	42	82	8	-	-	-	A.Cu	4	*
†Stranraer ...	1034.3	+2	E	4	o	51	87	8	½-1000	St	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1029.1	0	-	0	b1	57	*	*	*	*	*	*	*	0
†Anglesey (Llangefni)	1031.8	+2	E	5	o	51	92	4	½-1000	St	10	-	-	4
Falmouth ...	1028.8	0	NNE	4	bmycw	52	92	4	-	-	-	-	-	*
†Calshot (Hants) ...														
†Capel (Folkestone)	1012.3	+1	NE	2	ef1	50	98	3	-	-	-	A.Cu	2	2
§Aberdeen ...	1036.3	+3	-	0	b0	38	98	6	-	-	-	-	-	*
†East Fortune ...	1037.1	+2	NE	2	o	48	87	-	3-4000	St.Cu	9	-	-	*
†Flamborough Head	1034.3	+1	NE	5	bc	49	75	5	7-9000	St.Cu	3	A.Cu	1	*
†Felixstowe ...	1031.8	+4	NE	2	om0	52	98	-	1½-2000	St	10	-	-	1
†Cranwell (Lincs)	1033.6	+4	NNE	2	o	51	98	5	1½-2000	St	9	-	-	*
†Bedford ...	1031.5	+4	NNE	3	d0	55	92	8	1-1500	St	10	-	-	*
Benson	*	*		*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1031.4	+1	N	1	o	51	*	*	*	*	*	*	*	*

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
18H. G.M.T. OF ...6TH														
†Houton B. (Orkney)	1032.9	+7	N	2	c	45	87	6	2-3000	St.Cu	5	A.St	3	3
Eskdalemuir ...	1032.6	+6	NNE	4	o	47	87	6	2-3000	St	10	-	-	*
†Stranraer ...	1030.3	+2	-	0	o	56	92	5	2-3000	St	10	-	-	*
†Lough Foyle ...	1032.7	+6	NNE	4	c	50	82	5	-	-	-	Ci.Cu	8	2
Valencia (Cahirc'n)	1029.1	0	W	1	c	58	98	8	2-3000	Cu	7	-	-	2
†Anglesey (Llangefni)	1029.8	+1	-	0	o	57	87	4	1-1500	St	10	-	-	4
Falmouth ...	1027.5	-1	ENE	2	bf1	57	75	1	-	-	-	Ci	1	*
†Calshot (Hants) ...	1028.6	+1	ESE	5	b0	59	92	5	-	-	-	-	-	1
†Capel (Folkestone)	1029.2	+1	NE	4	3	55	92	3	2-3000	St	2	A.St	1	4
Aberdeen ...	1033.4	+6	NW	1	bc	48	75	7	-	St.Cu	4	-	-	2
†East Fortune ...	1032.8	+5	ENE	2	c	50	87	7	3-4000	Nb	7	-	-	*
†Flamborough Head	1030.4	+6	NE	5	o	53	92	6	½-1000	St	10	-	-	*
†Felixstowe ...	1029.8	0	SSW	1	ef2	53	98	0	-	-	-	-	-	1
†Cranwell (Lincs)	1029.2	+1	SW	1	32	56	92	3	1½-2000	St	10	-	-	*
†Bedford ...	1029.3	0	W	5	31	54	82	3	3-4000	St	2	-	-	*
Benson	1029.1	0	-	0	b0	52	92	5	-	-	-	-	-	*
London (Kew Ob.)	1029.1	0	-	0	b0m	55	82	2	-	-	-	-	-	*
7H. G.M.T. OF ...7TH														
†Houton B. (Orkney)	1034.8	0	S	1	oz	42	92	4	1½-2000	Cu	3	Ci	5	0
Eskdalemuir ...	1037.7	+1	N	1	bcx	37	87	7	-	-	-	Ci	5	*
†Stranraer ...	1035.3	+1	ENE	2	o	48	92	4	2-3000	St	10	-	-	*
†Lough Foyle ...	1034.1	+1	SE	4	o	49	98	5	1½-2000	St	10	-	-	2
Valencia (Cahirc'n)	1030.8	+1	NE	1	bc	55	92	8	-	St.Cu	5	Ci.St	1	2
†Anglesey (Llangefni)	1032.8	+2	E	1	o	52	87	7	1-1500	St	10	-	-	3
Falmouth ...	1028.8	0	ENE	4	bm	55	87	3	-	-	-	-	-	*
†Calshot (Hants) ...	1031.8	0	E	2	b	54	92	2	-	-	-	-	-	5
†Capel (Folkestone)	1031.0	+1	NNE	4	od	55	98	2	1-1500	St	10	-	-	3
§Aberdeen ...	1037.1	+1	WNW	1	bc3	38	98	5	-	St.Cu	3	Ci	1	2
†East Fortune ...	1037.0	0	-	0	cw	39	92	7	3-4000	St.Cu	7	-	-	*
†Flamborough Head	1036.2	+2	ENE	3	c	49	75	8	4-5000	St.Cu	8	-	-	*
†Felixstowe ...	1033.3	+3	ENE	4	o	54	92	4	2-3000	St	10	-	-	3
†Cranwell (Lincs)	1035.5	0	NE	2	b	49	98	7	2-3000	St	2	A.St	2	*
†Bedford ...	1033.2	+2	NNE	3	od	52	92	?	2-3000	St	10	-	-	*
Benson	1031.6	+1	NE	3	o	51	92	5	-	St	10	-	-	*
London ... ... (M.O. at 1H.)	1032.2	+3	NE	3	ocu	54	92	5	1½-2000	Cu.Nb	5	A.St	5	*

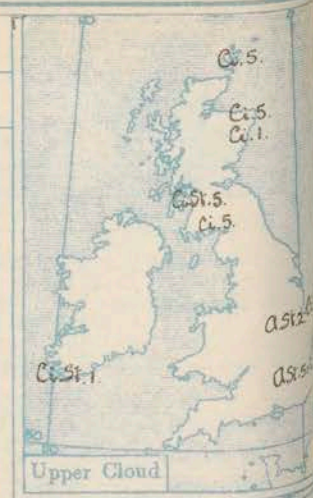
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of .6TH					7H. G.M.T. of 7TH									24 HOURS ENDED 7H. 7TH						....6TH
Lerwick ...	1030.4	51	NW	4	bm	1034.3	0	40	-10	-	0	-	cm	0	-	59	37	bcm	bcm	bm	*
Stornoway ...	1034.7	50	NW	3	bc	1035.0	0	37	-11	NW	1	-	b	1	-	53	37	b	bc	b	8.3
Castlebay (Barra Is)	1034.1	51	N	3	c	1034.7	0	50	?	SE	4	-	c	4	Trace	55	48	oc	c	c.bc	8.9
Glasgow ...	1032.2	51	ENE	2	c	1037.0	+1	41	-16	ENE	3	N	c	*	-	63	40	meo.cm	c.bc.c	b.bc.cx	3.2
Malin Head ...	1031.8	51	N	3	bc	1032.8	0	50	-6	SSE	2	SE	om	1	1	57	45	cm	bq	fe	2.9
Blacksod Point	1029.0	55	NE	2	om	1030.3	0	55	-2	S	1	-	om	2	0.3	58	51	ofd	om	bcm.cm	*
Roche's Point ...	1029.5	56	SSE	1	f	1031.5	0	56	-2	E	3	-	o	1	1	62	55	of	f.o.bcf	f.om	*
Birr Castle ...	1028.9	63	W	1	o	1032.1	*	55	-4	NE	1	-	o	*	-	66	53	fe	c.o	o	2.4
Donaghadee ...	1030.2	54	NW	3	cm	1034.8	+1	52	-6	E	4	-	om	3	1	62	51	cmp	om.cm	omp	*
Liverpool (Bidston)	1029.9	54	-	0	f	1034.3	+1	50	0	E	3	-	om	3	-	58	50	om	f	om	0.1
Holyhead ...	1029.4	55	-	0	ogf	1032.3	+2	54	+1	E	5	-	omg	4	-	58	52	ogmd	ogf	ome.cq	0.2
Pembroke (St. Ann's Head)	1029.5	55	NNW	1	b3	1031.3	+1	53	+4	NE	3	-	b3	3	-	60	48	o.b3	b3	b.bc.b3	6.8
Scilly (St. Mary's)	1027.3	56	NE	2	bm	1028.1	0	56	+3	E	5	E	bcm	4	-	62	50	bcm	bm	bcm	7.8
Jersey (St. Aubin)	1025.7	59	ENE	4	c	1026.7	0	58	+2	ENE	5	NE	b	4	-	65	55	b	bc	ome.b	4.0
Portland Bill ...	1027.9	57	ENE	1	b	1029.1	0	54	-3	ENE	5	-	bm	3	-	64	52	bc	b	bm	*
Dungeness ...	1028.1	58	ENE	3	b	1029.4	+1	57	+2	NE	4	-	o	3	-	64	50	c.b	b	b.bc.o	*
Wick	1032.6	48	NW	2	bc	1035.5	0	36	-16	SW	1	-	bc	2	-	53	33	ombc	bc	bc	*
Nairn	1033.4	50	N	2	bc	1036.4	*	33	-23	-	0	-	bc	0	0.2	53	30	opc.bc	bc.c	bcx	6.2
Leith	1031.6	52	E	2	c	1035.9	0	42	-18	SW	1	-	cm	1	2	62	41	oc.o	od.o.c	c.b3w.c	*
Tynemouth ...	1032.3	53	NE	4	omq	1036.7	+1	50	+3	ENE	1	-	o	3	0.1	64	46	bcf	omqp	omq.bc	*
Spurn Head ...	1029.4	57	WNW	1	cm	1035.6	+1	49	-2	ENE	3	-	c	4	2	59	48	bcm.f	bcm	cq	*
Yarmouth (Gorleston)	1028.4	56	-	0	bc	1033.0	+3	53	-2	ENE	5	-	bc	4	-	63	52	ogm.cu	og.bcm	og.bcm	1.9
Clacton-on-Sea	1028.7	57	ESE	1	bc	1032.2	+3	54	-3	NNE	3	-	og	3	1	63	50	ogm	og.bcm	bm.cp.o	0.4
Nottingham ...	1029.5	59	SW	1	o	1035.1	*	50	+8	NE	3	-	o	*	Trace	63	42	f.mb	bm.c	od	5.3

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Tuesday, 7th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NE-E. 10-15	Moderate	Mainly dull, local drizzle and fog.	Poor	Mod.
2. E. England	NNE-NE. 10-20	"	Fair to dull, local drizzle.	Fair	Slight
3. E Midlands	NE. 10	"	Dull.	"	–
4. W. Midlands	E. 10	"	Fair to dull.	–	–
5. S.W. England	NE-E. 15-20	"	Fine or fair, local mist.	Poor	Mod.
6. South Wales	NE. 10	"	Variable sky, local haze.	Indiff.	Slight
7. North Wales	E 5-15	"	Dull, local mist.	Var.	Mod.
8. N.W. England	NE-E. 5-10	R. cold	Cloudy or dull, local mist.	Fair	Slight
9. N. Midlands	NE-E. 5-10	"	Cloudy or dull.	–	–
10. N.E. England	ENE. 0-10	"	Cloudy or dull.	Good	Slight
11. E. Scotland	Var. 0-2	Cold	Fair to cloudy.	Fair	Smooth
12. S.W. Scotland	N-NE. 2-10	R. cold	Fair to dull, light fog locally.	Var.	"
13. Isle of Man	E. 10-15	Moderate	Cloudy or dull.	–	Slight
14. N. & N.W. Scotland	Var. 0-2	Cold	Fair.	Ord.	Smooth
15. Hebrides	Var. 2-15	R. cold	Fine or cloudy.	"	Slight
16. Orkneys and Shetlands	Var. 0-2	Cold	Cloudy, local mist and haze	Poor	Smooth
17. N.W. Ireland	S. 2-5	Moderate	Dull, misty.	"	"
18. N.E. Ireland	E-S. 5-15	"	Dull, misty.	Indiff.	"
19. S.E. Ireland	NE-E. 2-10	R. warm	Dull, local fog.	Poor	Mod.
20 S.W. Ireland	NE-E. 2-10	"	Fair to dull.	Var.	Smooth.

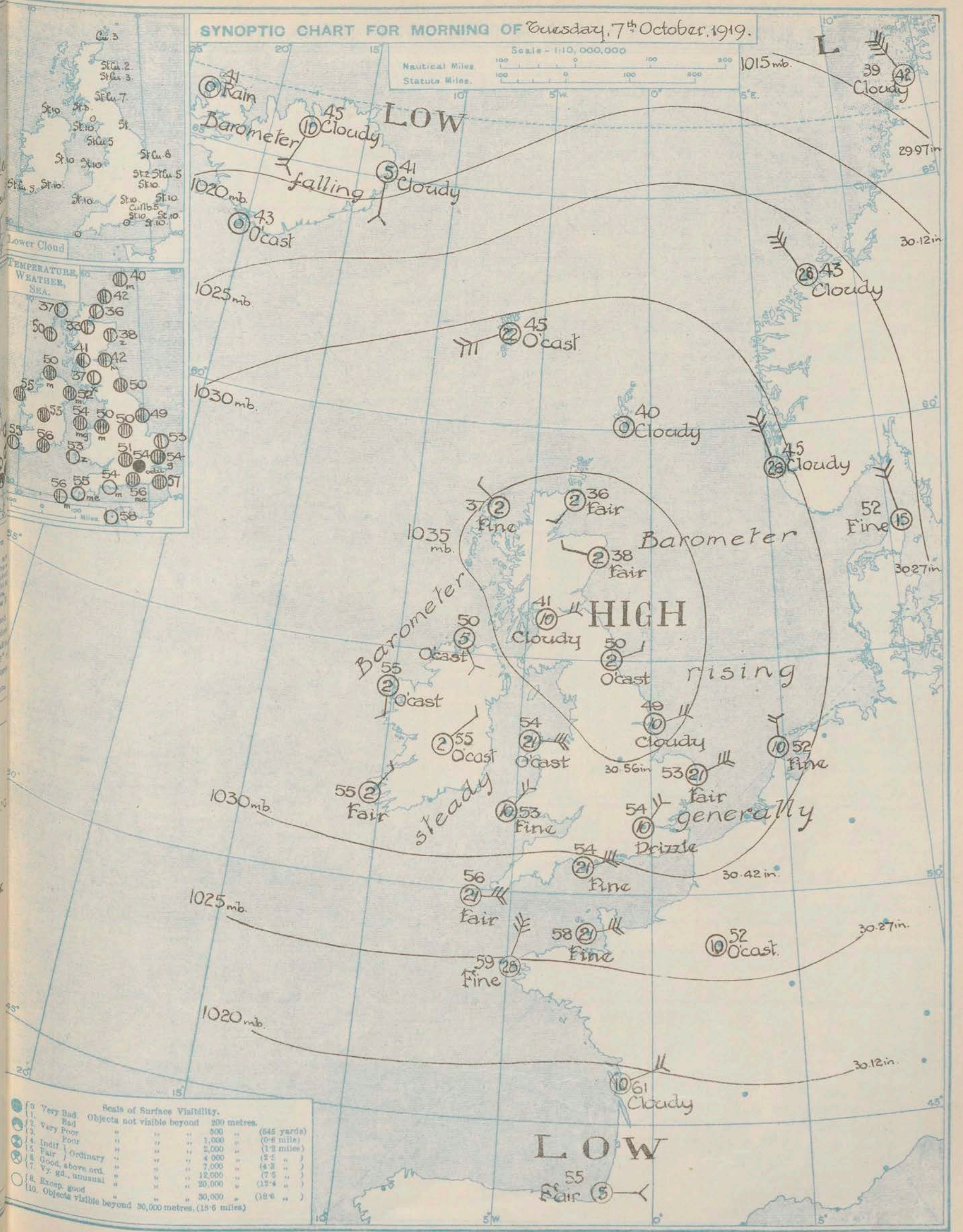


EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. T thunder. R thunderstorm.
SEA DISTURBANCE.—
Rough. High.

GENERAL INFERENCE from observations received up to 9 a.m.

Under the influence of an anticyclone, the weather will be fair generally over the British Isles.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 7th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Moderate Ely. breezes. Fair generally. Moderate temperature.	Over England and Southern Ireland the weather will probably continue fair for more than 24 hours. Elsewhere the further outlook is somewhat uncertain.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Light SE. to S. breeze. Fair generally, some mist. Moderate temperature.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light indefinite to SW. breezes. Fair generally, misty. Milder.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Light to moderate S. to SW. breezes. Fair to cloudy, misty. Milder.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light SE. breeze. Fair generally, some mist. Rather mild.	


SYNOPTIC CHART FOR MORNING OF Tuesday, 7th October, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
Barometer falling
HIGH
Barometer rising
steady
generally
LOW
1015 mb.
1020 mb.
1025 mb.
1030 mb.
1035 mb.
29.97 in
30.12 in
30.27 in
30.42 in
30.56 in
41 Rain
45 Cloudy
41 Cloudy
43 O'cast
45 O'cast
40 Cloudy
45 Cloudy
39 Cloudy
43 Cloudy
52 Fine
37 Fine
36 Fair
38 Fair
41 Cloudy
50 O'cast
50 O'cast
55 O'cast
55 O'cast
49 Cloudy
54 O'cast
55 Fair
53 Fair
52 Fine
53 Fine
54 Drizzle
54 Fine
56 Fair
58 Fine
52 O'cast.
59 Fine
61 Cloudy
55 Fair
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
0. Very Bad
1. Bad
2. Very Poor
3.
4. Indif
5. Fair
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
10. Objects visible beyond 30,000 metres. (18·6 miles)
Objects not visible beyond 200 metres.
500 (545 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4,000 (2·5)
7,000 (4·3)
12,000 (7·5)
20,000 (12·4)
30,000 (18·6)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No 280. B

Tuesday, 7th October

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 6TH

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 5TH	Rainfall. Day. 9h-18h. 6TH	Sunshine. ...	Sunshine. Sunrise to Sunset. 6TH
Scotland.	Oban	*	o.b.c.b	63	52	3	-	-	?
	Banff	op	b	55	50	0·2	-	-	5·0
	Montrose	bc	bc	62	48	-	-	-	?
	St. Andrews	c	o	65	57	-	-	-	?
England, N.E.	Harrogate	b.bc.o.b	b.bc.c	60	44	-	-	-	7·8
	Skegness	om.b	b.bcm	64	52	-	-	-	?
	Scarborough	*	*	66	47	-	-	-	?
England, E.	Felixstowe	om	bcm	61	54	-	-	-	0.0
	Walton-on-Naze							-	
	Southend-on-Sea							-	
England, S.E.	Margate	o.c.b	c.bc.b	61	56	-	-	-	?
	Ramsgate	*	bcq	61	?	-	-	-	0.0
	Folkestone	b.bc	bc.b	66	57	-	-	-	0.0
	Hastings	b	b	65	54	-	-	-	0.0
	Eastbourne	c.bc	bc	64	53	-	-	-	0.0
	Brighton	b	b	67	55	-	-	-	0.0
	Worthing	b	b	65	55	-	-	-	0.0
	Littlehampton							-	
	Bournemouth	*	*	66	53	-	-	-	?
	Tunbridge Wells	b.bc	o.c.bm	64	51	-	-	-	0.0
England, N.W.	Douglas (I.O.M.)							-	
	Blackpool	*	om	56	47	-	-	-	?
	Southport	o.c.o	od	56	49	-	0.1	-	6.2
Midlands.	Buxton	bcm.bc	bc.b	61	39	-	-	-	?
	Leamington Spa							-	
	Malvern							-	
	Ross-on-Wye	fc.bm	b3	64	40	0.1	-	-	5.5
Wales.	Rhyl	g	g.p	58	45	-	1	-	9.0
	Colwyn Bay							-	
	Llandudno	o	o	60	48	-	-	-	9.3
	Aberystwyth	o.c	bc.o	55	50	-	-	-	?
England, S.W.	Weymouth							-	
	Teignmouth							-	
	Torquay	o.c	b	63	52	-	-	-	9.2
	Paignton	*	c.bc.bm	63	47	-	-	-	?
	Penzance	*	b3	64	49	-	-	-	3.9
	Newquay	c3.b3	b3	62	40	-	-	-	1.2
	Bude	fc.bc.b	bc.bmw	62	40	-	-	-	?
	Ilfracombe							-	
	Weston-s-Mare	m.b	b	64	45	-	-	-	?

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-18h 6th	Weather 18h-18h 6th-7th	Weather 18h 6th-1h 7th	Weather 1h-7h 7th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	q	q.b.bc	b.bcv	vw	57	43	*	*	*	*
Eskdalemuir	ofc.dm.sme	om.opq	o.c.bc	bc.bcx	59	36	32	1	-	0.0
†Stranraer	or	c.o	c.o	o	60	47	*	*	*	*
†Lough Foyle	d	c.o		pm	57	46	*	*	*	*
Valencia (Cahirciveen)	c.o	o.c	c.bc.cw		62	53	48	-	-	1.8
†Anglesey (Llangefni)	opd	opd	c.opd	o	64	49	*	*	*	*
Falmouth	c.bc.bm	bm.bf	bmw	bmw	64	50	41	-	-	6.9
†Calshot (Hants)	b3	b3		b	67	48	*	*	*	*
†Capel (Folkestone)	o3	b.bc3	bbcw	oef	63	49	*	*	*	*
Aberdeen	3.obq	bcvq	bc3w		60	37	32	-	-	2.7
†East Fortune	,	3.r	c.o	bc.c3	62	36	*	*	*	*
†Flamborough Head	ef	bc.cf	c.opd	bc.cv	64	44	*	*	*	*
†Felixstowe	c.of	b3	b.bc3	opd	62	48	*	*	*	*
†Cranwell (Lincs)	b.b.bc	b.b.bc	3.pd	b.bc.c.o	70	46	*	*	*	*
†Bedford	om	c.o3	emw	fd	64	46	*	*	*	*
Benson	f.o	b	b.o		62	40	35	-	-	*
London (Kew Obsy.)	om.cm.bcm	bcm.cm.bm	bm.bcm.cm.omw		62	45	34	-	-	1.6

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora — Solar halo
Rime — Lunar halo
Glazed frost — Solar corona
Glazed roads — Lunar corona

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 Hours ended 9h G.M.T. 7th							Yesterday.		To-day.
Greenwich (Royal Observatory)	o	o.c.b	b.bc.od	64	44	35	-	0.4	66	81
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James's Park)	*	*	*	63	48	40	-	0.0	70	86
" (Admiralty Arch	om.cm	bcm	cm.odm	63	52	*	-	0.1	75	87
Camden Sq. (British Rainfall)	o.c	c	*	64	46	43	-	1.2	67	85
Kensington Palace	o3	b	*	62	45	36	-	*	90 (max)	88

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 389 Joules.

Milliwatts.
Average Rate. 9·6
Maximum Rate. 24

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

7th & 8th October 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·6	11·41	5.16
	6·8	11·41	5.14
Greenwich	6·12	11·48	5.24
	6·14	11·48	5.22
Wick	6·32	12.0	5.28
	6·35	12.0	5.25
Valencia	6·53	12.29	6.5
	6.55	12.29	6.3

NOTES ON THE WEATHER OF YESTERDAY.

Some light rain fell on the east coast of England and Scotland and in Ireland, the largest total being 2 mm. at Leith and at Spurn Head. Sunshine records were very poor in east and south-east England but moderate to rather good further west. The temperature fell considerably in Scotland, the minimum being as low as 30° in Nairn and 33° at Wick. There was much coastal fog, which dispersed during the day on the east coast of England.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 21,1398 . WEDNESDAY, 8TH OCTOBER.... 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

13H. G.M.T. ....7TH.....

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
†Houton B. (Orkney)	1033·8	-2	SSW	2	c	51	75	8	3-4000	St.Cu	4	Ci	3	0
Eskdalemuir ...	1034·5	-3	SSE	1	o3 ⊕	54	66	6	-	-	-	Ci.St	8	*
†Stranraer ...	1034·7	-1	S	2	c	57	87	4	2-3000	St	2	Ci	4	*
†Lough Foyle ...	1033·5	-1	S	4	c	55	98	5	1½-2000	Cu	8	-	-	2
Valencia (Cahirc'n)	1030·9	0	SE	3	b3	65	75	5	-	-	-	-	-	2
†Anglesey (Llangefni)	1033·3	0	WSW	1	o	60	92	5	1½-2000	St	10	-	-	3
Falmouth ...	1029·8	-1	ENE	5	omq	60	75	4	-	St	10	-	-	*
†Calshot (Hants) ...	1032·1	0	ENE	3	o	59	82	5	1-1500	Cu	10	-	-	4
†Capel (Folkestone)	1032·0	0	ENE	6	c	55	75	6	1½-2000	Cu	8	-	-	4
Aberdeen ...	1034·7	-3	S	3	c	53	55	7	-	-	-	Ci.St	8	2
†East Fortune ...	1025·0	-4	SW	1	bc	57	87	7	-	-	-	Ci.St	4	*
†Flamborough Head	1035·5	0	ENE	2	c	51	75	8	2-3000	St.Cu	5	Ci	2	*
†Felixstowe ...	1033·8	-1	E	4	c	50	75	5	4-5000	St.Cu	7	-	-	3
†Cranwell (Lincs)	1034·5	0	NE	2	bc	55	82	8	3-4000	F.Cu	3	Ci	2	*
†Bedford ...	1033·6	-1	NE	4	bc	59	55	7	5-7000	F.Cu	2	A.Cu	2	*
Benson	1032·1	-1	NE	3	b	61	65	7	*	*	*	*	*	*
London (Kew Ob.)	1032·6	-1	ENE	3	b3y	58	55	5	3-4000	F.Cu	3	-	-	*

18H. G.M.T. OF ....7TH.....

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
†Houton B. (Orkney)	1030·4	-4	W	6	c	49	87	6	2-3000	St	5	A.St	3	3
Eskdalemuir ...	1034·4	-1	-	0	o3	48	82	6	-	-	-	A.Cu	9	*
†Stranraer ...	1033·9	-1	-	0	o	51	98	5	2-3000	St	9	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1031·1	0	E	1	b3.	60	75	5	-	-	-	-	-	2
†Anglesey (Llangefni)	1033·0	0	-	0	bc	51	98	2	4-5000	St.Cu	2	Ci.	2	2
Falmouth ...	1029·7	0	ENE	5	omq	57	87	2	-	St	10	-	-	*
†Calshot (Hants) ...	1031·9	+1	E	3	b	55	82	5	-	-	-	A.St	1	4
†Capel (Folkestone)	1031·6	0	NE	4	o	51	75	7	2-3000	St.Cu	9	-	-	3
Aberdeen ...	1032·4	-2	SSW	3	b3.	48	75	6	-	-	-	-	-	2
†East Fortune ...	1033·4	-2	-	0	c	49	82	4	3-4000	St.Cu	6	A.Cu	2	*
†Flamborough Head	1034·9	0	-	0	o	46	87	8	2-3000	St.Cu	6	Ci	4	*
†Felixstowe ...	1033·2	0	ENE	3	c3	50	82	6	4-5000	St	3	A.St	4	4
†Cranwell (Lincs)	1034·4	0	ENE	1	bc	48	92	6	2-3000	St	3	Ci	2	*
†Bedford ...	1033·3	-1	NE	4	b	49	75	10	-	-	-	Ci	3	*
Benson	1032·1	0	NE	1	b	50	75	8	-	-	-	-	-	*
London (Kew Ob.)	1032·4	0	E	3	b3	53	65	4	1-1500	St	2	-	-	*

1H. G.M.T. OF ....8TH.....

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
†Houton B. (Orkney)	1026·5	-5	WNW	8	d	49	98	4	1½-2000	St	9	-	-	7
Eskdalemuir ...	1033·1	-2	-	0	bmer	39	98	3	-	St.Cu	2	-	-	*
†Stranraer ...	1032·7	-1	-	0	o	50	98	3	2-3000	St	9	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1032·6	+3	-	0	bc	51	*	*	*	*	*	*	*	0
†Anglesey (Llangefni)	1032·8	0	-	0	o	46	87	-	1½-2000	St	10	-	-	2
Falmouth ...	1030·4	0	ENE	5	o	53	75	5	-	St.Cu	10	-	-	*
†Calshot (Hants) ...	1032·5	0	ENE	2	o	50	87	4	2-3000	Cu	10	-	-	3
†Capel (Folkestone)	1030·5	-2	NE	3	o	51	75	7	2-3000	St.Cu	10	-	-	3
§Aberdeen ...	1029·0	-4	WSW	2	o	48	92	6	3-4000	St.Cu	9	-	-	*
†East Fortune ...	1027·5	-3	WNW	3	bc	49	87	2	-	-	-	Ci.Cu	4	*
†Flamborough Head	1033·0	-2	WSW	1	bc	39	92	7	4-5000	St.Cu	2	Ci	2	*
†Felixstowe ...	1032·5	-1	NNE	2	o	46	98	6	1½-2000	St.Cu	9	-	-	4
†Cranwell (Lincs)	1033·6	-2	-	0	bc	35	98	6	1½-2000	St	3	Ci	2	*
†Bedford ...	1033·5	0	SW	3	bcr	34	98	-	-	-	-	A.Cu	5	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1032·0	0	NE	L	o	48	*	*	*	*	*	*	*	*

7H. G.M.T. OF ....8TH.....

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
†Houton B. (Orkney)	1027·7	+2	NNW	7	o	45	75	5	1½-2000	St	7	A.St	2	7
Eskdalemuir ...	1030·4	-1	E	1	bc3	48	87	6	-	Cu	2	Ci.	3	*
†Stranraer ...	1031·5	-1	NNW	2	o	50	92	5	1½-2000	St	10	-	-	*
†Lough Foyle ...	1034·3	+1	NNW	3	od	50	98	3	½-1000	Cu.Nb	10	-	-	2
Valencia (Cahirc'n)	1033·1	+1	-	0	o3	50	98	7	-	St.Cu	10	-	-	3
†Anglesey (Llangefni)	1032·3	0	-	0	ef2	50	98	0	-	-	-	-	-	2
Falmouth ...	1030·6	+1	NNE	2	bc	43	87	6	-	-	-	Ci.St	6	*
†Calshot (Hants) ...	1030·4	0	NE	2	o	45	92	5	2-3000	St	10	-	-	3
†Capel (Folkestone)	1029·5	0	NNE	3	o	48	75	7	3-4000	St.Cu	8	A.St	2	4
§Aberdeen ...	1027·6	0	NW	4	o	57	82	7	-	St.Cu	9	-	-	2
†East Fortune ...	1029·3	-2	WSW	3	c	52	82	5	5-7000	St.Cu	7	-	-	*
†Flamborough Head	1029·4	-3	WNW	3	bc3	48	87	4	2-3000	St.Cu	4	Ci	2	*
†Felixstowe ...	1031·0	-0	NNE	3	c	45	92	4	2-3000	-	-	-	-	4
†Cranwell (Lincs)	1031·9	-2	W	2	b	37	98	5	2-3000	St.Cu	3	-	-	*
†Bedford ...	1032·0	-1	WSW	3	bcw	36	98	4	3-4000	St.Cu	5	-	-	*
Benson	1030·8	-1	N	1	em	36	92	4	-	St.Cu	9	-	-	*
London ... ... (M.O. at 1H.)	1030·6	0	N	2	bc	45	87	5	3-4000	St.Cu	4	Ci	1	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

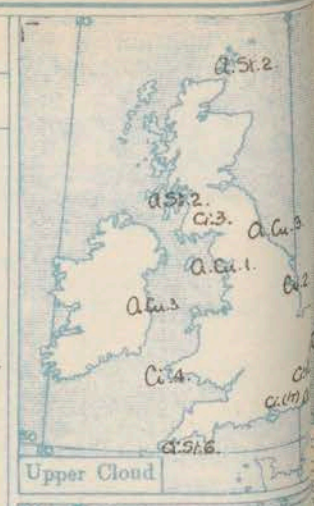
STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.
	18H. G.M.T. of ....7TH.....					7H. G.M.T. of ....8TH.....								
Lerwick ...	1026·8	49	SW	2	omr	1024·7	+3	46	+6	WNW	3	-	cm	3
Stornoway ...	1032·4	54	SW	3	c	1031·0	+2	51	+14	NNW	3	-	c	2
Castlebay (Barra's)	1032·9	52	NW	3	op	1032·9	0	52	+2	NW	3	-	odf	3
Glasgow ...	1033·5	52	W	1	om	1030·6	-1	51	+10	WNW	3	NW	c	*
Malin Head ...	1032·6	55	SSE	1	cm	1032·9	0	57	+7	NW	2	NW	cm	2
Blacksod Point	1033·6	59	-	0	om	1033·2	0	55	0	NNE	2	-	omdf	2
Roche's Point...	1032·7	54	E	1	o	1033·1	0	53	-3	N	1	-	o	1
Birr Castle ...	1033·0	59	-	0	o	1030·1	*	54	-1	ENE	1	-	m	*
Donaghadee ...	1033·7	54	SSW	1	cm	1032·1	0	53	+1	NW	2	N	cm	2
Liverpool (Bidston)	1033·7	52	SE	2	m	1031·3	-2	43	-7	SE	1	-	b	1
Holyhead ...	1032·9	55	-	0	cmq	1031·9	0	53	-1	N	4	-	b3	2
Pembroke (St. Ann's Head)	1032·2	55	SE	2	b3	1032·1	0	46	-7	ENE	1	-	b	2
Scilly (St. Mary's)	1028·6	57	E	5	bcm	1030·1	0	49	-7	E	3	E	bcm	4
Jersey (St. Aubin)	1026·9	60	ENE	6	o	1026·7	0	55	-3	ENE	6	-	o	4
Portland Bill ...	1028·8	58	ENE	4	bc	1029·6	0	49	-5	NE	4	-	c	3
Dungeness ...	1030·4	56	NE	5	bcq	1027·9	-1	53	-4	NE	4	NE	c	4
Wick	1030·3	47	SW	1	c	1028·0	+2	48	+12	N	4	-	om	3
Nairn	1031·5	50	-	0	bc	1028·3	*	54	+21	WSW	2	-	cq	2
Leith	1032·9	50	SSW	1	c	1028·8	0	52	+10	W	2	NW	bc	2
Tynemouth ...	1034·3	49	SSW	2	bc	1028·6	-2	50	0	WNW	2	-	bem	2
Spurn Head ...	1034·6	49	E	1	c	1029·9	-2	45	-4	W	2	-	bw	3
Yarmouth (Gorleston)	1033·1	51	ENE	4	bc	1029·3	-2	46	-7	N	1	-	bem	2
Clacton-on-Sea	1032·5	53	NNE	3	bc	1029·9	0	46	-8	NNE	3	E	c	2
Nottingham ...	1034·3	49	E	1	b	1031·3	*	32	-18	SW	1	-	qe	*

STATIONS.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	24 HOURS ENDED 7H. ...8TH.....						....7TH....
Lerwick ...	2	51	39	bcm	cm	cm	*
Stornoway ...	-	55	37	bc.c	bc	o.c	6.4
Castlebay (Barra's)	1	53	50	c.om	om.op	odf	0.1
Glasgow ...	-	56	38	c.bc.b3	b.bc.cm	o.cz.o.c	7.1
Malin Head ...	-	59	49	c	bc	o	2.2
Blacksod Point	1	59	48	omd	om	cm.of	*
Roche's Point...	0.4	61	49	o.b3	b3.o3	o.b.o3	*
Birr Castle ...	0.1	61	53	m.30	o	oz	0.0
Donaghadee ...	-	56	51	om	cm	cm.om	*
Liverpool (Bidston)	-	58	43	o.bcm	bm	bm	4.1
Holyhead ...	-	58	51	omq	o.cmq	o.cm.bc	0.0
Pembroke (St. Ann's Head)	-	60	46	b3.c.o	bc.b	b	3.2
Scilly (St. Mary's)	-	62	49	bm	bcm	c.bcm	?
Jersey (St. Aubin)	-	62	53	b.bc	bc.o	oq.o	5.5
Portland Bill ...	-	59	46	om	o.bo	bc	*
Dungeness ...	0.2	58	52	op.c	cq	cq.c	*
Wick	0.2	53	35	bc	bc.c	c.omp	*
Nairn	-	57	33	bc	bc	bcq.c	8.8
Leith	-	58	42	cm.c.bc	bcz.mk	c.bcz	*
Tynemouth ...	-	55	44	bc	bc	bcm	*
Spurn Head ...	Trace	56	44	cv	c	bc	*
Yarmouth (Gorleston)	-	58	45	bc	bc	bc.bcm	6.4
Clacton-on-Sea	-	58	45	o.c.bc	bc	bc.c	5.1
Nottingham ...	-	57	31	o.c.b	b	b.mf	8.1

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 8th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NE 5-15	r.cold	Variable sky	fair	slight
2. E. England	Var. 0-10	"	Fine to cloudy, local mist	ord.	smooth
3. E. Midlands	Var 0-2	Cold	Cloudy or dull, local fog	var.	---
4. W. Midlands	Var 0-2	"	Variable sky, local mist or fog	---	---
5. S.W. England	NE-E 5-15	r. cold	Fair to cloudy. Mist at Scilly.	good	slight
6. South Wales	NE-E 0-5	Cold	Fair to cloudy, local mist	ord.	smooth
7. North Wales	W-N 5-15	moderate	Fine to cloudy, local fog	bad	smooth
8. N.W. England	Var 2-5	"	Fine to cloudy, local mist	poor	smooth
9. N. Midlands	W-NW 2-10	Cold	Fair to fine, local mist or fog	---	---
10. N.E. England	W'ly 5-10	Moderate	Fair to fine, local mist or haze.	ord.	smooth
11. E. Scotland	W-NW 5-15	r. mild	Fine to cloudy	good	smooth
12. S.W. Scotland	NW-W 5-10	"	Fair to dull	fair	smooth
13. Isle of Man	NW-N 2-10	"	Fair to cloudy	---	smooth
14. N.& N.W. Scotland	NW-N 5-15	Moderate	Cloudy or dull, local mist	---	slight
15. Hebrides	NNW 10	"	Cloudy or dull local drizzle or fog.	---	smooth
16. Orkneys and Shetlands	WNW-N 10	"	Cloudy local mist, wind 35mph in Orkneys	ord.	var.
17. N.W. Ireland	N 5	r.mild	Cloudy or dull, local drizzle & fog	v. poor	smooth
18. N.E. Ireland	NW-N 5-10	"	Cloudy or dull, local mist & drizzle.	"	"
19. S.E. Ireland	Var 0-5	"	Var. sky, local mist	var.	"
20. S.W. Ireland	N 0-2	moderate	Dull	fair	"



EXPLANATION.

BAROMETER.—Isobars are drawn at 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. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in degrees F.

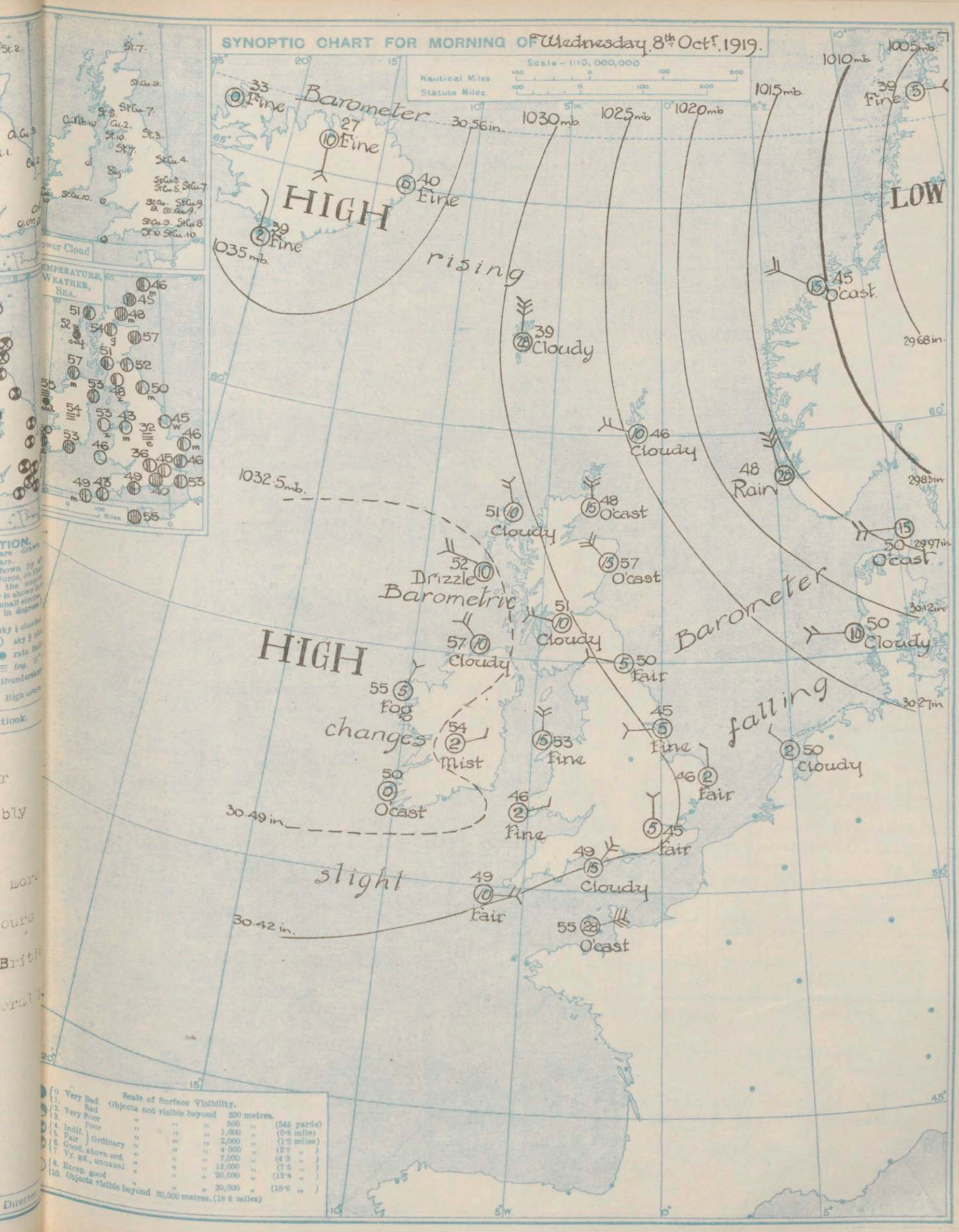
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.

SEA DISTURBANCE.—
Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

Pressure is becoming very much higher to the north of the British Isles. The wind will become NE or E generally and the weather will continue fair generally. The temperature is likely to become lower in Scotland and the north of England.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday 8th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light or moderate NE or E breezes; fair then dull, moderate temperature.	The weather will probably be fair to cloudy for more than 24 hours over the British Isles generally.
4. W. Midlands 5. S.W. England 6. South Wales	Light or moderate NE or E breezes; cloudy, moderate temperature.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Moderate N to NE breezes; cloudy; colder.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Moderate or fresh NE breezes; cloudy colder.	
17. N.W. Ireland 18. N.E. Ireland	Light or moderate NE or E breezes; cloudy, colder.	
19. S.E. Ireland 20. S.W. Ireland	Light NE or E breezes, cloudy, moderate temperature.	


SYNOPTIC CHART FOR MORNING OF Wednesday 8th Oct. 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Barometer
HIGH
rising
LOW
HIGH
Barometric changes
slight
Barometer falling
1035 mb.
1032.5 mb.
1030 mb.
1025 mb.
1020 mb.
1015 mb.
1010 mb.
1005 mb.
30.56 in.
30.49 in.
30.42 in.
29.68 in.
29.83 in.
29.97 in.
30.12 in.
30.27 in.
33 Fine
27 Fine
40 Fine
39 Fine
39 Cloudy
46 Cloudy
48 Rain
45 O'cast
48 O'cast
51 Cloudy
52 Drizzle
57 O'cast
50 O'cast
57 Cloudy
51 Cloudy
50 Cloudy
50 Fair
55 Fog
54 Mist
53 Fine
45 Fine
50 Cloudy
50 O'cast
46 Fair
46 Fine
45 Fair
49 Cloudy
49 Fair
55 O'cast
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
0 Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
10. Objects visible beyond 30,000 metres, (18·6 miles)
Objects not visible beyond 200 metres.
500 (545 yards)
1,000 (0·6 miles)
2,000 (1·2 miles)
4,000 (2·2 ")
7,000 (4·3 ")
12,000 (7·5 ")
20,000 (12·4 ")
30,000 (18·6 ")

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 281. B { Wednesday 8th October

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 7th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 6th	Rainfall. Day. 9h-18h. 7th	Sunshine.	Sunshine. Sunrise to Sunset. 7th
Scotland.	Oban	*	b.bc.c.o	57	40	-	-	*	3.3
	Banff	b	b	59	33	-	-	*	8.5
	Montrose	bc	bc	54	38	-	-	*	5.3
	St. Andrews	b	c	56	39	-	-	*	6.6
England, N.E.	Harrogate	b	b	55	46	0.3	-	*	9.1
	Skegness	bc	bc.b	55	50	-	-	*	6.4
	Scarborough	*	*	?58	47	-	-	*	4.3
England, E.	Felixstowe	o.f.bcq	bcq	57	47	-	-	*	7.2
	Walton-on-Naze								
	Southend-on-Sea	omcr	o.c	57	49	0.3	-	*	3.7
England, S.E.	Margate	o.bc	bc.c	57	40	-	-	*	3.2
	Ramsgate								
	Folkestone	co.c	c	58	53	0.3	-	*	3.5
	Hastings								
	Eastbourne	or.o	c.bc.c	59	50	-	0.2	*	3.0
	Brighton	oe.o.o	bc.b	60	51	-	-	*	2.8
	Worthing	o	bc.b	59	50	-	-	*	3.2
	Littlehampton	*	o.bc	68	52	-	-	*	3.0
	Bournemouth	*	*	58	46	0.3	-	*	1.5
	Tunbridge Wells	od.o	o.bc.c	58	47	0.3	0.3	*	3.0

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 6th	Rainfall. Day. 9h-18h. 7th	Sunshine.	Sunshine. Sunrise to Sunset. 7th
England, N.W.	Douglas (I.O.M.)								
	Blackpool	*	bc	58	49	1	-	*	6.7
	Southport	c.bc.bq	b3y.c3	58	50	0.1	-	*	6.8
Midlands.	Buxton	m.b.bc.b	b.bc.b	54	45	-	-	*	4.5
	Leamington Spa	c.b.bc	b	59	50	-	-	*	7.6
	Malvern								
	Ross-on-Wye	o.bc	bq.b	59	50	-	-	*	5.7
Wales.	Rhyl	c.bc	bc	60	50	0.2	-	*	5.4
	Colwyn Bay								
	Llandudno	o	c	61	51	-	-	*	2.8
	Aberystwyth	o.c	b.bc	60	54	-	-	*	2.5
England, S.W.	Weymouth	o	o.c.b	60	50	-	-	*	0.0
	Teignmouth								
	Torquay	o	o	58	53	-	-	*	0.4
	Paignton	bc.c	om	58	57	-	-	*	0.4
	Penzance	bc.c	o	61	54	-	-	*	3.1
	Newquay	b3	o.bc.o3	62	50	-	-	*	5.4
	Bude	cr.bc.c	c.bc.o	59	41	-	-	*	3.6
	Ilfracombe	o.c.o	o	57	49	-	-	*	0.7
	Weston-s-Mare	o.bc	bc.b	60	46	-	-	*	3.5

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-18h. 7th	Weather 18h-18h. 7th	Weather 18h 7th-1h. 8th	Weather 1h-7h. 8th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	q.3	q bc.o	q	pd	52	44	*	*	*	*
Eskdalemuir	bc.c3	o3.bc3	o3.cw.bcw	bwm.bq	56	37	34	-	-	8.8
†Stranraer	c.o	c.o	c	b.bc	60	47	*	*	*	*
†Lough Foyle	p.3	r.		ef.d	58	39	*	*	*	*
Valencia (Cahirciveen)	bc.b3	b3	b3w.c.o		65	46	41	-	-	8.2
†Anglesey (Llangefni)	o	o.bc.c	oe	o.ef2	58	44	*	*	*	*
Falmouth	bc.om	omqg	om.o	o.cw	60	43	37	-	-	2.6
†Calshot (Hants)	o	c.o3	b.bc	o	67	42	*	*	*	*
†Capel (Folkestone)	ef.r.	v.c	o	o	63	49	*	*	*	*
Aberdeen	bc3.bc	o.bc.b3	b3.c.o		57	37	34	-	-	6.0
†East Fortune	bc.c	bc.c	b.bce	bc.c	57	38	*	*	*	*
†Flamborough Head	bc.cv	bc.cv	c.o	b.bc3	64	37	*	*	*	*
†Felixstowe	c.o	c.o3	c.o	c.o	62	43	*	*	*	*
†Cranwell (Lincs)	bc.cb.bc	b.bc	cw	z	56	31	*	*	*	*
†Bedford	b.bc3	b.bc3	f.cr	o.f.w	64	31	*	*	*	*
Benson	o.bc	b	b.o		61	33	27	-	-	*
London (Kew Obsy.)	pdu.om.b3y	by3.bc3.b3	b.bc		59	43	32	-	-	4.3

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.

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	10·8-13·9
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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—
Aurora — Solar halo
Rime — Lunar halo
Glazed frost — Solar corona
Glazed roads — Lunar corona

LONDON. OBSERVATIONS.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 HOURS ENDED 9H G.M.T. 8th							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	o.c	c.bc	c.o.c	60	45	36	-	5.3	60	74
City (Bunhill Row)	*	*	*	*	*	*	*		*	*
Westminster (St. James's Park)	*	*	*	61	46	41	-	-	64	75
" (Admiralty Arch)	om.c	bc.c	c.o.bcm	60	46	*	-	4.4	78	79
Camden Sq. (British Rainfall)	o.c.bc	b.bc	*	63	44	39	-	4.6	58	78
Kensington Palace	bc	c	*	60	44	39	-	*	72 (18h)	78

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ..... 646 ..... joules.

Milliwatts.
Average Rate. 16.0
Maximum Rate. 52

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

8th & 9th October ..... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.8	11.41	5.14
	6.9	11.40	5.12
Greenwich	6.14	11.48	5.18
	6.15	11.47	5.17
Wick	6.35	12.0	5.22
	6.37	11.59	5.1
Valencia	6.55	12.23	5.2
	6.56	12.22	

NOTES ON THE WEATHER OF YESTERDAY.

There was very little rain, 2mm at Lerwick and 1mm at Castlebay and Blacksod Point.

There were some good records of sunshine, 9 hours at Nairn and Eskdalemuir and over 8 hours at Nottingham, Valencia and Banff.

Some rather high temperatures occurred in the south and west, 67° at Calshot (Hants) and 66° at Aberystwyth. Fog formed locally at night.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:

DAILY WEATHER REPORT, BRITISH SECTION.

No. 21,498 ... THURSDAY, 9TH OCTOBER ... 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F	% Humidity	Visibility 0-10	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Cloud Form	Upper Cloud Amt. 0-10	Sea 0-9
	13H. G.M.T. 8TH													
†Houton B. (Orkney)	1030·8	+3	N	7	q	44	75	5	2-3000	Cu.Nb	6	A.St	3	5
Eskdalemuir ...	1030·0	-1	NW	3	cu	62	65	7	-	Cu.Nb	7	A.Cu	1	※
†Stranraer ...	1031·5	0	NNW	3	o	55	98	5	1½-2000	St	9	-	-	※
†Lough Foyle ...	1034·2	0	NNW	4	d_1	53	98	1	-	-	-	-	-	1
Valencia (Cahirc'n)	1032·6	0	NNE	3	c	61	75	7	2-3000	St.Cu	6	Ci.Cu	1	3
†Anglesey (Llangefni)	1030·7	-2	NNE	2	o	58	75	8	2-3000	Cu	9	-	-	3
Falmouth ...	1029·0	-2	E	3	$b_1 3$	57	65	6	-	-	-	Ci.St	1	※
†Calshot (Hants) ...	1028·3	-1	N	1	b_0	56	65	6	-	-	-	-	-	3
†Capel (Folkestone)	1026·6	-5	NNE	3	c	54	65	6	2-4000	St.Cu	7	-	-	3
Aberdeen ...	1030·5	+1	NW	5	bc	53	55	8	-	Cu	5	-	-	3
†East Fortune ...	?	0	NW	3	3_1	61	76	5	4-5000	St.Cu	7	-	-	※
†Flamborough Head.	1027·9	-1	N	4	c	57	87	5	-	-	-	A.St	6	※
†Felixstowe ...	1027·8	-4	NE	3	b_1	57	75	5	-	-	-	A.Cu	2	3
†Cranwell (Lincs)	1027·4	-2	NW	2	b_1	58	75	4	2-3000	St	2	-	-	※
†Bedford ...	1028·1	-5	-	0	3_1	58	65	-	-	-	-	Ci.St	2	※
Benson	1027·5	-3	N	2	b_1	56	65	7	※	※	※	※	※	※
London (Kew Ob.)	1027·8	-5	NNE	2	b_0	54	65	6	-	-	-	-	-	※
	1H. G.M.T. OF 9TH													
†Houton B. (Orkney)	1034·6	+1	N	5	o	38	87	6	2-3000	Cu.Nb	6	A.St	3	6
Eskdalemuir ...	1033·2	+1	N	4	b_1	39	79	7	-	-	-	A.Cu	1	※
†Stranraer ...	1033·3	+3	-	0	o	44	87	-	5-7000	St	6	-	-	※
†Lough Foyle ...														
Valencia (Cahirc'n)	1033·9	0	NNE	3	bc	55	※	※	※	※	※	※	※	4
†Anglesey (Llangefni)	1030·7	+1	NE	2	bc	50	82	-	1½-2000	St	3	A.Cu	2	3
Falmouth ...	1028·4	0	N	2	$b_0 em_0$	51	98	4	-	-	-	-	-	※
†Calshot (Hants) ...	1028·6	-1	ENE	1	o	50	92	3	<500	St	10	-	-	3
†Capel (Folkestone)	1026·5	-1	N	4	b_1	47	98	6	2-3000	Cu	3	-	-	4
§Aberdeen ...	1031·5	0	NNE	4	of	40	98	4	½-1000	Nb	10	-	-	※
†East Fortune ...	1033·5	+1	N	3	b_1	42	75	-	5-7000	St.Cu	3	-	-	※
†Flamborough Head.	1028·8	0	NNE	7	$r_0 q$	47	75	7	4-5000	St.Cu	8	-	-	※
†Felixstowe ...	1027·1	0	NNE	2	c	48	82	6	5-7000	St.Cu	2	A.Cu	6	3
†Cranwell (Lincs)	1029·9	+1	NNW	2	c	44	92	6	1½-2000	St	4	A.St	3	※
†Bedford ...	1028·9	+1	NNE	3	o	49	82	3	4-5000	St	6	A.St	6	※
Benson	※	※	※	※	※	※	※	※	※	※	※	※	※	※
London ... (M.O. at 1H.)	1027·7	+1	NNE	2	o	52	※	※	※	※	※	※	※	※

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F	% Humidity	Visibility 0-10	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Cloud Form	Upper Cloud Amt. 0-10	Sea 0-9	
	18H. G.M.T. OF 8TH														
†Houton B. (Orkney)	1033·5	+3	N	4	$r_0 q$	39	92	5	2-3000	St	5	A.Cu	3	3	
Eskdalemuir ...	1031·3	+3	NNE	3	o	48	82	6	-	St.Cu	9	-	-	※	
†Stranraer ...	1030·8	-2	N	5	o	53	98	5	½-1000	St	10	-	-	※	
†Lough Foyle ...	1034·2	+1	NNE	6	c	48	92	4	1½-2000	Cu	8	-	-	2	
Valencia (Cahirc'n)	1032·5	0	NNE	3	bc	58	82	8	2-3000	Cu	4	Ci.Cu	1	3	
†Anglesey (Llangefni)	1031·2	+2	ENE	3	o	54	92	5	1-1500	St	10	-	-	4	
Falmouth ...	1027·8	-1	N	3	$b_1 3_1$	53	75	3	-	-	-	Ci	1	※	
†Calshot (Hants) ...	?	0	NE	1	b_1	55	92	4	-	-	-	Ci.St	1	3	
†Capel (Folkestone)	?	0	N	2	3_1	46	92	5	-	-	-	A.St	3	3	
Aberdeen ...	1031·8	+2	NNW	3	c	47	65	7	-	St.Cu	7	-	-	3	
†East Fortune ...	1031·5	+2	NNE	3	bc	50	65	7	5-7000	?	3	A.Cu	2	※	
†Flamborough Head.	1029·4	+3	NNE	5	o	50	75	6	½-1000	St	8	A.St	2	※	
†Felixstowe ...	1026·8	0	ENE	3	o	56	87	5	3-4000	St	6	A.St	4	4	
†Cranwell (Lincs)	1028·0	+2	NE	2	c	53	92	4	2-3000	St	6	A.St	2	※	
†Bedford ...	1027·9	-1	N	2	om	55	75	?	1½-2000	St	10	-	-	※	
Benson	1026·8	0	NE	1	bc	50	87	3	-	-	-	-	-	※	
London (Kew Ob.)	1027·0	-1	NNE	1	bcm	52	75	4	-	A.St	3	Ci	2	※	
	7H. G.M.T. OF 9TH														
†Houton B. (Orkney)	1035·0	+1	N	4	o	38	92	5	1-1500	Nb	7	A.St	2	6	
Eskdalemuir ...	1034·7	+1	N	3	cw	36	82	7	-	St.Cu	8	-	-	※	
†Stranraer ...	1035·2	+1	-	0	b	36	92	5	2-3000	St	3	-	-	※	
†Lough Foyle ...														※	
Valencia (Cahirc'n)	1033·7	+2	ENE	3	b	48	82	10	-	Cu	1	Ci.Cu	1	3	
†Anglesey (Llangefni)	1033·0	+3	E	2	bc	44	75	8	2-3000	Cu	4	-	-	3	
Falmouth ...	1029·5	+1	N	2	omw	51	92	4	-	St	10	-	-	※	
†Calshot (Hants) ...	1029·5	0	N	1	b	46	98	6	-	-	-	Ci.St	2	4	
†Capel (Folkestone)	1026·6	+3	N	4	c	45	98	5	2-3000	St	7	A.St	1	4	
§Aberdeen ...	1034·0	+1	NW	4	r_0	41	92	8	-	Cu.Nb	8	-	-	3	
†East Fortune ...	1034·7	+2	N	2	bc	41	75	7	4-5000	St.Cu	4	-	-	※	
†Flamborough Head.	1029·1	+1	N	6	r_0	47	75	8	2-3000	St.Cu	6	-	-	※	
†Felixstowe ...	1027·5	+1	NNE	2	b	43	92	5	5-6000	St.Cu	2	A.Cu	2	3	
†Cranwell (Lincs)	1030·3	0	NW	2	b	40	98	6	2-3000	St	2	A.St	2	※	
†Bedford ...	1029·9	+2	N	3	b	42	87	4	5-6000	St	2	-	-	※	
Benson	1029·2	+2	N	2	b	42	87	6	-	St.Cu	3	-	-	※	
London ... (M.O. at 1H.)	~~1027·7~~	+1	NNE	2	b	44	82	6	-	-	-	-	-	※	1029·7

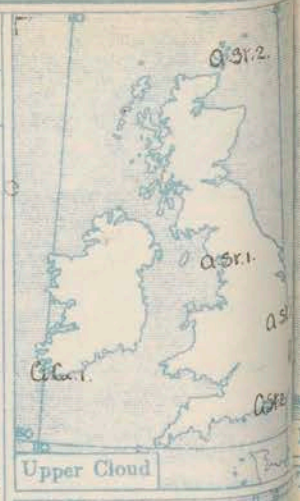
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

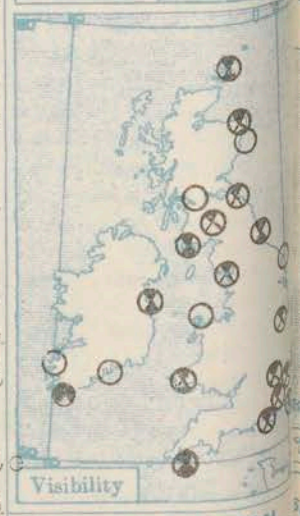
STATIONS	Barom. at M.S.L. m.b. (18H. G.M.T. of 8TH)	Temp. °F	Wind Direc.	Wind Force 0-12	Weather	Barometer at M.S.L. m.b. (7H. G.M.T. of 9TH)	‡ Change in 3 hours	Temperature Temp. °F	Change in 24 hours	Wind Direc.	Wind Force 0-12	Direc. of Upper Cloud	Weather	Sea 0-9	Rainfall mm. (24 hours ended 7H. 9TH)	Temp. Max. °F	Temp. Min. °F	Weather Morning	Weather Afternoon	Weather Night	Sunshine Hours (8TH)	
Lerwick	1030·2	43	NNE	5	omq	1031·9	+1	41	-5	NW	4	-	ompq/	4	1	47	40	omq	omq	ompq/	※	
Stornoway ...	1037·1	45	N	3	o	1038·3	+2	40	-11	N	3	-	bc	2	-	53	39	bc	bc.o	o.bc	7·5	
Castlebay (Barra Is)	1035·7	50	NNE	4	b	1038·2	+1	44	-8	NE	3	NE	c	3	0·1	54	44	d.f.b	b	bc	4·9	
Glasgow	1031·4	52	ENE	2	oz	1035·7	+1	37	-14	WSW	2	-	b	※	-	61	36	c.bc.cz	bc.b.bc	c.bz×	7·6	
Malin Head ...	1033·0	50	NNW	4	bc	1036·1	+1	47	-10	NNE	4	N	c	3	trace	58	42	of	cm	c	0·0	
Blacksod Point	1034·5	55	N	2	omd	1036·1	+T+1	50	-5	NNE	3	-	bc	3	0·1	59	49	bcm	om	bcV	※	
Roche's Point...	1031·3	59	N	1	b	1032·9	+1	47	-6	NNW	2	-	b	1	0·1	65	45	oz.c	cz.b	b.bc.b	※	/-
Birr Castle ...	1032·9	57	N	2	c	1034·1	※	42	-12	N	1	N	c	※	-	61	39	zc	c	c	3·6	
Donaghadee ...	1031·2	54	NW	4	omq	~~1033·9~~	+2	46	-7	ENE	3	-	bc	3	-	59	46	bc	omq	bcV	※	1034·9
Liverpool (Bidston)	1028·6	54	WNW	3	bc	1033·4	+2	41	-2	NE	1	-	bV	2	-	57	41	bcm	bcm	bcV	3·6	
Holyhead ...	1030·2	55	NNE	5	bcf	1032·5	+2	48	-5	NE	5	-	b	4	-	59	47	b.bc.c	c.bc.cf	c.o.c.bc	7·6	
Pembroke (St. Ann's Head)	1029·4	53	N	1	b	1030·6	+1	51	+5	NE	3	-	c	3	-	59	46	bz	bz	bcq/.o.c	9·3	
Scilly (St. Mary's)	1028·4	54	NNE	3	bcm	1028·6	+1	55	+6	NE	3	-	om	3	-	56	48	bc	bcm	bcmo	8·9	
Jersey (St. Aubin)	1024·9	56	NE	4	b	1026·5	0	55	0	NE	4	-	o	4	-	59	51	o.bc.b	b	b.o	7·8	
Portland Bill ...	1027·0	53	N	2	b	1028·4	+1	50	+1	NE	5	E	~~c~~	3	-	58	47	bc.b	b	o.o.c	※	be
Dungeness ...	1026·6	51	NNE	2	b	1025·4	0	45	-8	NNE	3	NE	b	3	-	58	42	c.bc	bc.b	bc	※	
Wick	1032·4	44	N	4	omp	1035·6	+1	42	-6	N	4	-	cp	4	-	51	39	om	omp	bc.omp	※	
Nairn	1033·5	46	N	4	c	1036·4	※	42	-12	NNW	3	-	cq	3	-	55	39	c.bc	bc.cu	cq/.c	6·8	
Leith	1031·1	52	E	2	c	1034·7	+1	42	-10	NW	2	NE	c	2	-	61	42	bc.c.o.c	c.bc.u.c	cu.c.bc	※	
Tynemouth ...	1029·6	51	NE	5	bcm	1031·0	+1	45	-5	N	5	-	bcmq/	5	2	61	43	bcm	bcm	bcq/p	※	
Spurn Head ...	1027·8	52	NNE	5	cq	1028·2	0	48	+3	NNE	6	-	cq/	6	0·2	57	43	bc	bq	cq/	1·5	
Yarmouth (Gorleston)	1025·6	54	NNW	3	c	1025·7	+2	46	0	N	5	-	cq/	4	-	61	46	bc.bcm	cm	bcq/	6·7	
Clacton-on-Sea	1026·3	55	NNW	2	c	1027·1	+1	44	-2	WNW	3	N	bc	2	-	58	43	c.bc	bcc	c.o.c.bc	7·7	
Nottingham ...	1029·7	57	ENE	2	o	1030·9	※	43	+11	N	2	-	c	※	0·2	61	32	f.bw	bm.c.o	op	5·1	

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside [illegible]

SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 9th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N. 5-15	Cold	Fine to cloudy.	Good	Moderate
2. E. England	W-N. 10-20	"	Mainly fine or fair, rain and squalls locally	Fair	"
3. E. Midlands	N. 5	R.cold	Fine to cloudy, local mist.	"	-
4. W. Midlands	NE-E.2-10	"	Fine to cloudy.	"	-
5. S.W. England	N-NE. 5-15	Moderate	Cloudy or dull, local mist.	Poor	Slight
6. South Wales	NE-E.5-10	"	Cloudy.	Fair	"
7. North Wales	NE. 10-20	R.cold	Fine or fair.	V.good	Mod.
8. N.W. England	NE 2-5.	"	Fine	"	Slight
9. N. Midlands	N. 5-10	"	Fine to cloudy.	Ord.	-
10. N.E. England	N. 15-25	"	Fair or cloudy, squally, light rain locally.	Good	R.rough
11. E. Scotland	NW-N.5-15	"	Fair to cloudy, local light rain & drizzle.	V.good	Slight
12. S.W. Scotland	Var. 0-10	"	Fine or cloudy.	Good	"
13. Isle of Man	NE.10	"	Fine or fair	V.good	Slight
14. N.& N.W. Scotland	N.10-15	"	Fair to cloudy, local showers.	Fair	Mod.
15. Hebrides	N-NE. 10	"	Fair or cloudy.	"	Slight
16. Orkneys and Shetlands	NW-N. 15-20	"	Dull, mist, showers & squalls at Shetlands.	Indiff.	R.rough
17. N.W. Ireland	NNE. 10	Moderate	Fair.	Good	Slight
18. N.E. Ireland	NE. 10-15	R.cold	Fair or cloudy.	V.good	"
19. S.E. Ireland	N-E. 2-10	"	Cloudy or dull.	Fair	Moderate
20. S.W. Ireland	NW-NE.5-10	"	Fine or dull.	Good	Smooth



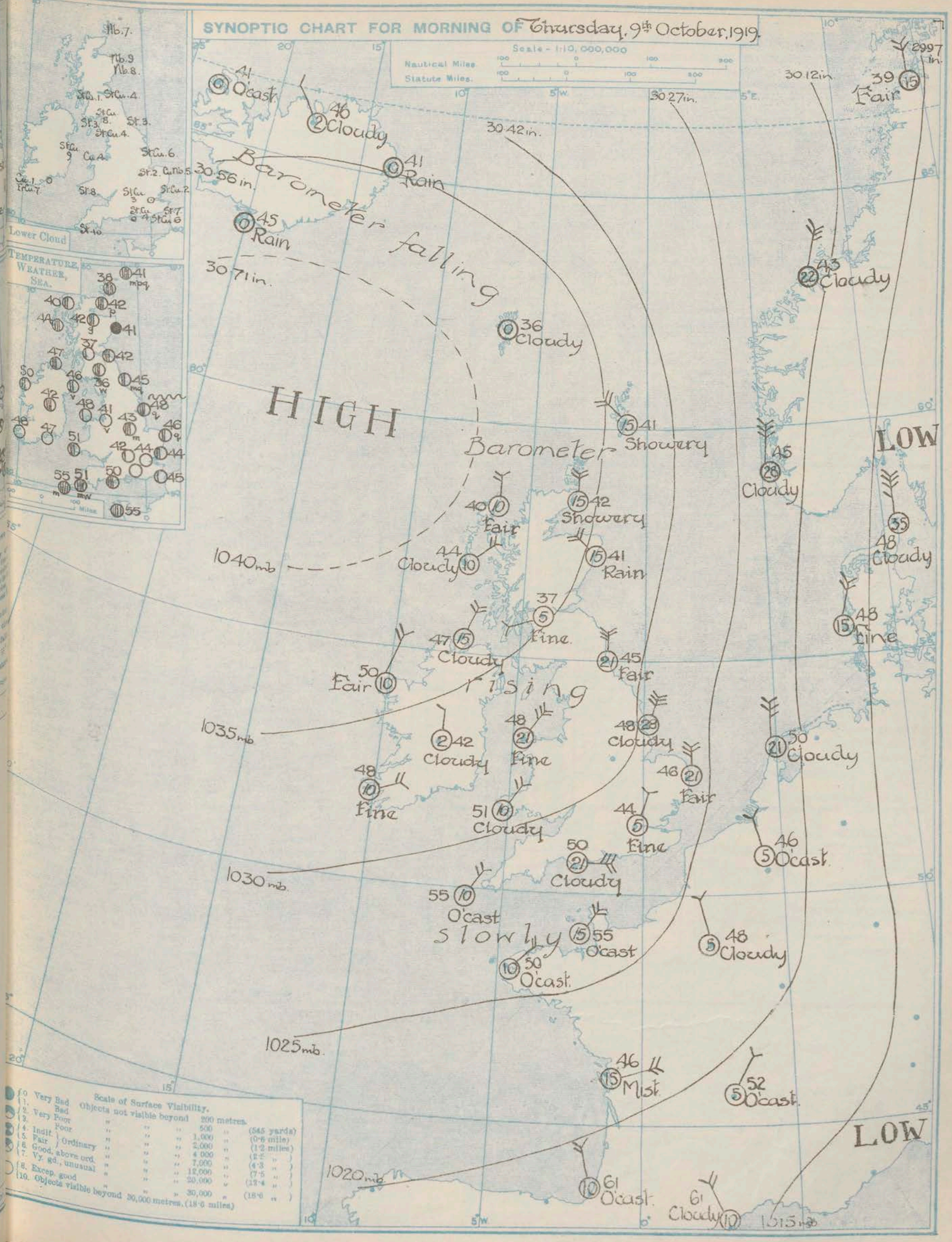


EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by the arrow flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees Fahr.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. overcast sky. rain. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—Rough. High sea.

GENERAL INFERENCE from observations received up to 9 a.m.

An anticyclone to the north-west of the British Isles will move south. Northerly breezes with fair to cloudy and rather cold weather may be expected generally, with showers over Eastern Scotland and on the east coast of England.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Thursday, 9th October, 1919	Further Outlook.
1. S.E. England	Moderate to fresh Nly. breezes. Fair to cloudy. Rather cold.	Over Ireland and western England the weather will be mainly fair for more than 24 hours.
2. E. England	Moderate to fresh Nly. breezes. Fair to dull, some showers on the coast. Rather cold.	
3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Same as for 1	
10. N.E. England	Same as for 2	
11. E. Scotland	Fresh N. to NW. breezes. Cloudy, some showers. Rather cold.	
12. S.W. Scotland 13. Isle of Man	Same as for 1	
14. N.& N.W. Scotland	Same as for 11	
15. Hebrides	Moderate N. to NW. breezes. Fair. Moderate temperature.	
16. Orkneys and Shetlands	Fresh NW. to W. breezes. Dull, some showers. Rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate Nly. breezes. Fair to cloudy. Moderate temperature.	


SYNOPTIC CHART FOR MORNING OF Thursday, 9th October, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
HIGH
Barometer falling
Barometer rising slowly
LOW
LOW
30.56 in.
30.71 in.
30.42 in.
30.27 in.
30.12 in.
29.97 in.
1040 mb
1035 mb
1030 mb
1025 mb
1020 mb
1015 mb
41 O'cast.
46 Cloudy
41 Rain
45 Rain
36 Cloudy
41 Showery
42 Showery
41 Rain
40 Fair
44 Cloudy
37 Fine
47 Cloudy
50 Fair
45 Fair
42 Cloudy
48 Fine
48 Cloudy
48 Fine
51 Cloudy
44 Fine
46 Fair
50 Cloudy
55 O'cast
55 O'cast
50 O'cast.
50 Cloudy
46 O'cast.
48 Cloudy
46 Mist
52 O'cast.
61 O'cast.
61 Cloudy
39 Fair
43 Cloudy
45 Cloudy
48 Cloudy
48 Fine
Scale of Surface Visibility.
0. Very Bad. Objects not visible beyond 200 metres.
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair } Ordinary
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
9. Objects visible beyond 30,000 metres. (18·6 miles)
500 (545 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4,000 (2·5 ")
7,000 (4·3 ")
12,000 (7·5 ")
20,000 (12·4 ")
30,000 (18·6 ")

Thursday 9th October.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 282 B

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR ....8th.....

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 8th	Rainfall. Day. 9h-17h. 7th	Sunshine.	Sunshine. Sunrise to Sun- 8th
Scotland.	Oban	*	o.bc.b	58	50	-	-	*	4.9
	Banff	bc	c	59	41	0.4	-	*	2.5
	Montrose	c.bc	bc.o	58	38	-	-	*	4.6
	St. Andrews ...	c	b	61	39	-	-	*	3.8
England, N.E.	Harrogate	bc.b	b.bc.co	64	41	-	-	*	6.3
	Skegness	bc.o	c.o	59	35	-	-	*	6.6
	Scarborough	*	*	65	45	-	-	*	3.7
England, E.	Felixstowe	bc	bcm	58	44	-	-	*	8.0
	Walton-on-Naze...								
	Southend-on-Sea...	c.bc	bc.cm	59	44	-	-	*	8.0
England, S.E.	Margate	c	bc.b	55	52	-	-	*	5.6
	Ramsgate								
	Folkestone	c.bc	bc.b	59	51	-	-	*	5.8
	Hastings								
	Eastbourne... ...	bc.b	b	59	50	-	-	*	9.0
	Brighton	c.bc.b	b	60	48	-	-	*	8.2
	Worthing	b	b	58	47	-	-	*	7.5
	Littlehampton ...	*	bcm	59	51	-	-	*	6.2
	Bournemouth ...	*	*	59	41	-	-	*	8.4
	Tunbridge Wells ...	o.b	b	59	45	-	-	*	6.4

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 8th	Rainfall. Day. 9h-17h. 7th	Sunshine.	Sunshine. Sunrise to Sun- 8th
England, N.W.	Douglas (I.O.M.)								
	Blackpool	*	m.o.c.bc	58	39	0.1	-	*	6.8
	Southport	c.o.c.bc.b	b.bc.c	58	40	-	-	*	6.5
Midlands.	Buxton								
	Leamington Spa...	fc.o.c.b	bm	57	34	-	-	*	4.7
	Ross-on-Wye ...	fc.bm	b3	61	32	trace	-	*	6.2
Wales.	Rhyl	c.bc	bc.o	58	41	-	-	*	6.5
	Colwyn Bay ...								
	Llandudno	b	b	60	45	-	-	*	8.5
	Aberystwyth ...	o.c.b	b.bc	59	52	-	-	*	9.0
England, S.W.	Weymouth	c.b	b	61	44	-	-	*	7.0
	Teignmouth ...	b.o	b	57	43	-	-	*	7.1
	Torquay	c.bc.b	b	58	47	-	-	*	8.3
	Paignton	bc.b	bm	57	46	-	-	*	6.1
	Penzance	bc.b	b	59	45	-	-	*	10.0
	Newquay	*	*	55	38	-	-	*	9.3
	Bude	w.bc.b	b	60	49	-	-	*	9.4
	Ilfracombe	b	b	58	46	-	-	*	8.7
	Weston-s-Mare ...	b	b	57	35	-	-	*	8.8

STATIONS.	Summaries for past 24 Hours. Weather 7h-13h. 8th	13h-18h. 8th	18h 8th-1h 9th	1h-7h 9th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Ockney) ...	bc.c	p.	q.p.	q/p2	54	37	*	*	*	*
Eskdalemuir	bcq.c	cq.cw3	o.c.bcq.b	b.bc cw	64	34	28	-	*	6.2
†Stranraer	b.o	c	bc.c	b.bc.b.bc	60	34	*	*	*	*
†Lough Foyle	d2	pd1					*	*	*	*
Valencia (Cahireiveen) ...	o.c	c.bc	b		64	48	42	-	-	6.1
†Anglesey (Llangefni) ...	c.o3	fo	b.o	bc.c	59	43	*	*	*	*
Falmouth	c.bc.b3	bq.bq3	b3f.c	bcw.om	59	42	43	-	-	9.5
†Calshot (Hants)	c.o	b.bc	o2	o	59	42	*	*	*	*
†Capel (Folkestone)... ...	c.o	b.bc3	3.c.o	pd.c	56	43	*	*	*	*
Aberdeen	cp.bcq	bcq.c	c.opd.	bcp	57	40	37	-	1	3.2
†East Fortune	c.o3	bc.c	b.bc	bc.c	61	38	*	*	*	*
†Flamborough Head ...	bc.cf1	rq	c.op1	c.ow	64	37	*	*	*	*
†Felixstowe	b.bc3	bc.c.b.o	c.o	bcc2	58	42	*	*	*	*
†Cranwell (Lincs) ...	b.bc3	c.o.	c.o	bc.c.b.bc	60	38	*	*	*	*
†Bedford	cw.b.bc	b.bc3	om	zw	62	34	*	*	*	*
Benson	bc.b	b	c.bc		57	35	34	-	-	*
London (Kew Obsy.) ...	bc.b	bc3.bcm	o.c.b		59	43	34	-	-	7.6

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.

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	5·4- 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora — Solar halo
Rime — Lunar halo
Glazed frost — Solar corona
Glazed roads — Lunar corona

LONDON. OBSERVATIONS.	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 Hours ended 9h G.M.T. ....9th.....							Yesterday.		To-day.
Greenwich (Royal Observatory)	bc	bc	c.bc.c	58	43	36	-	8.0	59	74
City (Bunhill Row)	*	*	*	*	*	*	*	7.3	*	*
Westminster (St. James's Park)	*	*	*	59	45	39	-	7.3	63	75
" (Admiralty Arch	bcm.b	b.bc.c	c.bcq/b	58	44	*	-	7.6	71	79
Camden Sq. (British Rainfall)	bc.b.	b.bc	*	61	43	39	-	7.5	61	74
Kensington Palace	bc	bc	*	59	42	39	-	*	83 (8h)	78

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ....927..... Joules.

	Milliwatts.
Average Rate.	23.1
Maximum Rate.	40

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

9th & 10th October ..... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset G.M.T.
Yarmouth ...	6.9	11.40	5.11
	6.11	11.40	5.9
Greenwich	6.15	11.47	5.19
	6.17	11.47	5.17
Wick ...	6.37	11.59	5.21
	6.39	11.59	5.19
Valencia ...	6.56	12.28	6.0
	6.58	12.28	5.58

NOTES ON THE WEATHER OF YESTERDAY.

Some slight showers during the night on the East coast gave 2 mm. of rain at Tynemouth, and 1 mm. at Aberdeen and Lerwick. Elsewhere there was little or none. Sunshine records were mostly good, between 8 and 10 hours at many stations. The temperature was somewhat lower than of late, and the fog which had formed during Tuesday night at a few stations cleared during the day.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21,41.B FRIDAY, 10th OCTOBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	% Humidity	Visibility 0-10	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Cloud Form	Upper Cloud Amt. 0-10	Sea 0-9
13H. G.M.T. 9th														
†Houton B. (Orkney)	1033.4	-2	N	7	d₀	41	75	4	1½-2000	St. Cu	9	-	-	5
Eskdalemuir ...	1033.9	0	N	2	c	44	65	6	2-3000	Cu	7	A. Cu	1	*
†Stranraer ...	1034.5	-1	NNW	3	b₁	49	55	8	2-3000	St	1	-	-	*
†Lough Foyle ...	1036.6	-1	NNE	5	o	47	87	8	3-4000	St. Cu	10	-	-	3
Valencia (Cahirc'n)	1034.7	0	ENE	4	b₁	53	75	8	1½-2000	St. Cu	1	-	-	3
†Anglesey (Llangefni)	1034.3	0	ENE	2	c	48	75	8	3-4000	St. Cu	7	Ci	1	3
Falmouth ...	1030.9	+1	ENE	3	om₀	53	75	5	-	St	10	-	-	*
†Calshot (Hants) ...	1029.1	-1	NE	3	o	53	45	7	2-3000	St. Cu	9	-	-	5
†Capel (Folkestone)	1029.6	0	N	6	bc	51	65	7	1½-2000	Cu	5	-	-	5
Aberdeen ...	1033.2	-1	NW	4	bc	44	82	8	-	St. Cu	4	-	-	3
†East Fortune ...	1034.2	-2	NNW	2	c	47	75	8	3-4000	St. Cu	5	Ci. St	1	*
†Flamborough Head	1029.2	-1	N	6	q	50	65	7	2-3000	St	7	-	-	*
†Felixstowe ...	1028.1	0	NNE	5	bc	53	65	6	3-4000	Cu. Nb	4	A. Cu	2	4
†Cranwell (Lincs)	1030.4	0	N	2	c	49	87	8	2-3000	St	5	A. St	2	*
†Bedford ...														*
Benson	1029.3	0	N	3	c	50	65	6	*	*	*	*	*	*
London (Kew Ob.)	1028.9	-1	NNE	3	c	51	75	6	3-4000	Nb	5	A. St	3	*
1H. G.M.T. of 10th														
†Houton B. (Orkney)	1028.4	-7	NNW	4	d₀	42	87	3	1½-2000	St. Cu	10	-	-	4
Eskdalemuir ...	1031.1	-2	N	1	o Ⓓ	33	87	8	-	-	-	Ci S	10	*
†Stranraer ...	1031.3	-1	-	0	o	41	92	5	2-3000	St	8	A. Cu	1	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1033.6	0	NNE	2	bc	44	*	*	*	*	*	*	*	0
†Anglesey (Llangefni)	1028.6	?	N	1	bc	42	75	-	1-1500	Cu	1	Ci	3	3
Falmouth ...	1030.7	-1	NNE	1	o	43	75	5	-	-	-	A. Cu	9	*
†Calshot (Hants) ...	1028.7	-2	NNW	3	b₀	43	98	5	-	-	-	-	-	3
†Capel (Folkestone)	1025.6	-5	NNW	7	v	41	91	8	2-3000	F. Cu	1	A. Cu	3	5
§Aberdeen ...	1028.3	-3	NNE	4	o	42	75	4	2-3000	St. Cu	9	-	-	*
†East Fortune ...	1030.4	-3	WNW	2	o	42	75	-	2-3000	St. Cu	3	A. St	6	*
†Flamborough Head														*
†Felixstowe ...	1025.5	-5	NNE	4	o	42	92	6	4-5000	St. Cu	9	-	-	5
†Cranwell (Lincs)	1027.6	-2	NW	3	c	39	92	5	3-4000	St	5	A. Cu	3	*
†Bedford	1027.9	-3	NW	2	3₁	38	82	-	-	-	-	Ci	2	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... (M.O. at 1h.)	1027.4	-2	N	1	b₁	43	*	*	*	*	*	*	*	*

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	% Humidity	Visibility 0-10	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Cloud Form	Upper Cloud Amt. 0-10	Sea 0-9
18H. G.M.T. OF 9th														
†Houton B. (Orkney)	1033.6	+1	N	5	q	40	65	6	2-3000	Cu	5	A. St	3	4
Eskdalemuir ...	1032.8	-1	N	3	c	39	75	7	-	Cu	1	Ci. St	7	*
†Stranraer ...	1033.1	-1	N	1	c	45	92	8	2-3000	St	4	Ci. St	3	*
†Lough Foyle ...	1035.6	-1	NNE	5	o	45	92	8	3-4000	St. Cu	9	-	-	3
Valencia (Cahirc'n)	1034.6	0	NNE	3	b₁	51	75	8	2-3000	Cu	3	-	-	2
†Anglesey (Llangefni)	1033.5	0	NE	2	c	43	87	8	3-4000	Cu	8	-	-	2
Falmouth ...	1030.6	+1	NNE	4	b₁ q₃	50	55	6	-	-	-	Ci	1	*
†Calshot (Hants) ...	1029.1	0	N	1	b₁	50	75	6	-	-	-	a.St	2	3
†Capel (Folkestone)	1027.1	0	N	5	b₁	45	75	7	1½-2000	Cu	2	A. St	1	4
Aberdeen ...	1031.7	-1	NW	4	c	43	75	7	-	Cu. Nb	8	-	-	3
†East Fortune ...	1032.5	-1	NNE	2	c	45	75	5	4-5000	St. Cu	6	?F. Ci	2	*
†Flamborough Head	1028.3	-1	N	7	rq	45	75	6	2-3000	Nb	9	-	-	*
†Felixstowe ...	1027.6	0	NNE	3	bc	46	87	6	4-5000	St. Cu	2	A. Cu	2	5
†Cranwell (Lincs)	1029.9	+1	NNW	3	bc	43	92	6	1½-2000	St	2	A. St	2	*
†Bedford ...														*
Benson	1029.4	0	N	2	b₀	44	75	6	-	-	-	-	-	*
London (Kew Ob.)	1029.4	+1	N	2	bcm	47	75	4	3-4000	Cu	3	A. Cu	2	*
7H. G.M.T. OF 10th														
†Houton B. (Orkney)	1024.4	-4	NE	1	o	41	98	3	½-1000	St Cu	10	-	-	1
Eskdalemuir ...	1027.3	-3	WNW	3	r₀	36	82	6	1½-2000	St	10	-	-	*
†Stranraer ...														*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1032.5	-2	NE	3	o	46	75	?10	-	St Cu	5	a Cu	4	2
†Anglesey (Llangefni)	1028.6	-2	-	o	o	40	92	8	1½-2000	St Cu	10	-	-	3
Falmouth ...	1028.1	-2	NNE	2	bc	41	82	5	-	Cu	4	a Cu	2	*
†Calshot (Hants) ...	?	-2	NNW	2	b	39	92	3	-	-	-	-	-	3
†Capel (Folkestone)	1023.0	-2	NW	6	z	37	98	4	-	-	-	a St	3	6
§Aberdeen ...	1024.1	-5	WNW	3	c	41	98	7	-	St Cu	7	-	-	3
†East Fortune ...	1026.4	-4	WNW	1	r₀	41	82	-	1-1500	Nb	10	-	-	*
†Flamborough Head	1023.0	-3	NNW	5	o	44	75	5	2-3000	St Cu	8	-	-	*
†Felixstowe ...	1022.6	-2	NNW	3	r₀f₁	40	87	1	3-4000	St	3	a Cu	4	3
†Cranwell (Lincs)	1024.5	-3	NW	2	c	39	92	6	2-3000	St	4	a St	3	*
†Bedford	1024.8	-3	NW	2	om	38	82	-	2-3000	-	-	? Ci	10	*
Benson	1025.9	-3	-	0	x	27	92	4	-	-	-	Ci	1	*
London ... (M.O. at 1h.)	1025.0	-3	-	0	cx	37	82	5	4-5000	St Cu	6	Ci	1	*

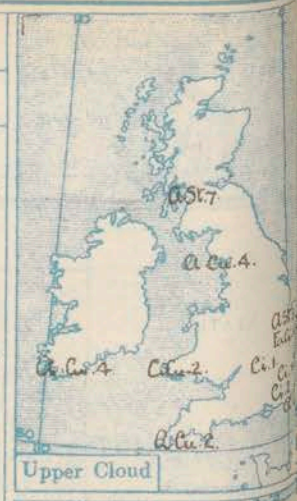
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS	Barom. at M.S.L. m.b. (18H. G.M.T. of 9th)	Temp. °F.	Wind Direc.	Wind Force 0-12	Weather	Barometer at M.S.L. m.b. (7H. G.M.T. of 10th)	‡ Change in 3 hours	Temp. °F.	Change in 24 hours	Wind Direc.	Wind Force 0-12	Direc. of Upper Cloud	Weather	Sea 0-9	Rainfall mm (24 hours ended 7H. 10th)	Temp. Max. °F.	Temp. Min. °F.	Weather Morning	Weather Afternoon	Weather Night	Sunshine Hours (9th)	
Lerwick ...	~~1031.0~~ 289	41	NNW	4	bcm	1023.4	-2	41	0	NNE	3	N	bcm	3	0.2	42	40	omq	om	bcm	*	
Stornoway ...	1035.8	44	NNW	3	o	1025.2	-3	50	+10	N	4	-	cp	3	4	50	?38	bc.o	o	c.op	0.5	
Castlebay (Barra Is)	1036.2	46	N	4	o	1027.3	-2	51	+7	NW	4	-	r	4	1	51	44	c	o	od	0.2	
Glasgow ...	1033.3	46	NE	2	cu	1027.0	-4	40	+3	SW	3	-	r	*	0.4	51	36	~~b.bc.c~~	bc.cz	c.bc.op	8.5	b bc b
Malin Head ...	1034.9	47	N	4	c	1028.6	-3	47	0	WNW	3	NW	om	2	2	57	46	c	c	omr	0.1	
Blacksod Point	1036.4	50	NNE	3	c	1032.2	-4	48	-2	NNE	1	-	omr	2	1	52	46	bc	bc	bcm om	*	
Roche's Point...	1034.1	49	NNE	2	b	1031.0	-1	44	-3	NNW	1	-	o	1	-	56	41	b.bc.c	c.bc.b	b.o	*	
Birr Castle ...	1034.9	48	N	1	c	1031.3	*	43	+1	N	1	-	o	*	-	57	39	c	c	c.o	5.2	
Donaghadee ...	1033.7	49	NW	3	c	1028.3	-3	47	+1	N	3	-	o	3	-	51	36	b cv	bv	bcm	*	
Liverpool (Bidston)	1032.3	45	NW	3	bc	1027.1	-4	40	-1	NNE	2	-	b	2	-	50	39	b.bc	bc	bc.b	5.0	
Holyhead ...	1033.3	48	NNE	4	c	1027.7	-2	47	-1	NNE	4	NE	c	2	-	55	46	bc.c.bc	bc.c	bc.c	8.9	
Pembroke (St. Ann's Head)	1032.6	47	N	2	bv	1028.2	-3	~~44~~	-3	N	3	-	ov	3	-	54	43	c.bcv	bv	bcv cv	8.5	48
Scilly (St. Mary's)	1029.5	53	NE	3	c	1028.8	-2	50	-5	NE	2	NE	o	3	-	60	46	bc.cm	cm	bc.o	1.9	
Jersey (St. Aubin)	1027.7	53	NE	5	o	1025.7	-1	49	-6	N	3	N	c	3	-	56	48	o.b	b.o	c	~~8.7~~	5.6
Portland Bill ...	1029.1	51	NNE	4	bc	1026.7	-2	44	-6	NNW	4	-	bc	3	-	55	39	cq	c	b.bc	*	
Dungeness ...	1026.4	48	N	3	b	1023.0	-2	35	-10	NW	3	N	bc	3	-	55	35	cq	ct	bc	*	
Wick	1032.0	43	NNW	4	cm	1023.4	-4	42	0	WSW	1	-	omd	2	4	46	39	cp.om.c	cm	bc.omd	*	
Nairn	1034.1	43	NNW	4	c	1023.4	*	41	-1	WNW	½	-	r	2	3	47	40	cp.bc.c	cpg	cgp.o	0.2	
Leith	1032.1	47	N	3	bc	1025.8	-2	41	-1	SW	2	-	o	2	-	50	40	c.bc.c	c.w.c.bc	bc.cm.o	*	
Tynemouth ...	1030.1	47	NNW	4	omq	1025.2	-3	39	-6	WNW	3	-	om	4	0.4	51	37	bcmqp	omq	omqp	*	
Spurn Head ...	1028.4	47	N	6	cq	1022.2	-2	43	-5	NW	7	-	cqp	6	4	50	40	cq	cqp	cqp	*	
Yarmouth (Gorleston)	1026.1	46	N	6	bc	1022.0	-3	43	-3	NNW	4	-	bcmp	4	4	53	43	bqp	bq.bcm	bcmqp	6.7	
Clacton-on-Sea	1027.5	48	NNW	3	bc	1022.7	-2	39	-5	NW	3	-	bc	2	-	55	38	bc	bc	bc	7.4	
Nottingham ...	1030.7	45	N	2	c	1025.4	*	40	-3	NW	2	N	c	*	-	57	38	c.o	o.c	c.b	4.8	

† Air Ministry Station * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1h.

SUMMARY OF CONDITIONS AT 7 A.M. Friday, 10th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NW. 5-15	Cold	Fine to cloudy, local mist and frost.	Indiff.	Slight
2. E. England	NW-N. 10-15	"	Fair to dull, local mist and rain.	Ord.	Mod.
3. E. Midlands	NW. 0-5	"	Fine or cloudy, local frost.	Indiff.	-
4. W. Midlands	N. 2-10	"	Fine or fair.	Ord.	-
5. S.W. England	NW-NE. 5-15	"	Fair to dull.	"	Slight
6. South Wales	N. 0-10	R.cold	Cloudy or dull.	Good	"
7. North Wales	NNE. 0-15	"	Cloudy or dull.	V.good	Smooth
8. N.W. England	N. 2-5	Cold	Fine or cloudy.	"	"
9. N. Midlands	NW-N. 5-10	"	Cloudy or dull.	-	-
10. N.E. England	W-N. 10-30	"	Cloudy or dull, local mist, rain and squalls.	Ord.	R.rough
11. E. Scotland	SW-NW. 5-10	R.cold	Cloudy or dull, local drizzle and mist.	Var.	Slight
12. S.W. Scotland	SW-NW. 10	"	Dull, rainy.	Indiff	"
13. Isle of Man	N. 2-10	"	Cloudy or dull.	-	"
14. N.& N.W. Scotland	W-N. 2-10	"	Dull, local mist & drizzle.	Poor	"
15. Hebrides	NW-N. 15	Moderate	Dull, with showers and drizzling rain.	"	Mod.
16. Orkneys and Shetlands	NW-NE. 5-10	R.cold	Fair or dull, local mist.	"	Smooth
17. N.W. Ireland	NNW-NNE. 2-5	"	Dull, local mist and rain.	"	"
18. N.E. Ireland	NW-N. 10	"	Dull, misty.	"	Slight
19. S.E. Ireland	W-N. 2-10	"	Dull, local rain.	"	"
20 S.W. Ireland	NW-NE. 2-10	"	Dull.	Good	Smooth



EXPLANATION.

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

WIND.—Direction is shown by arrow flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in degrees F.

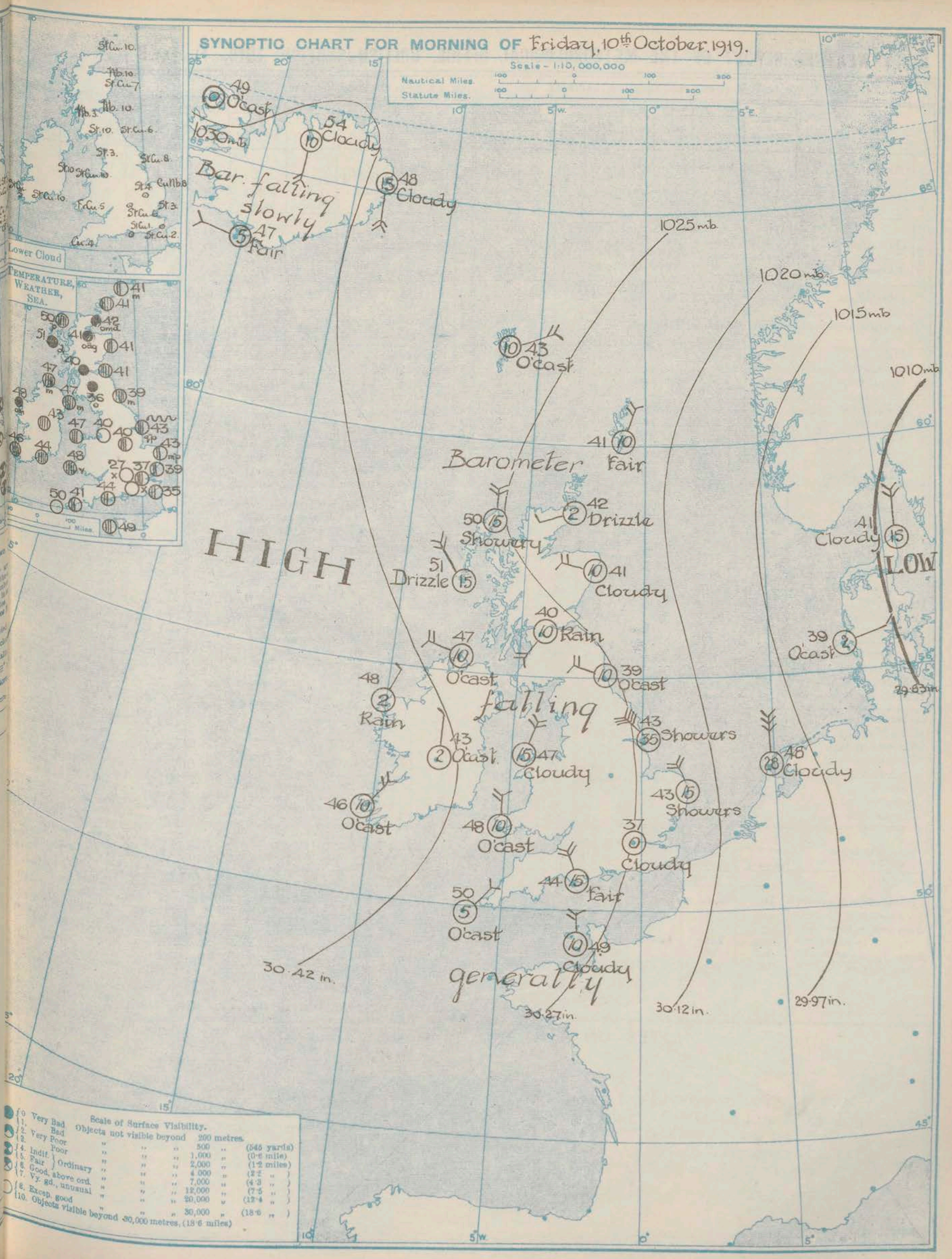
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain. snow. hail. fog. thunder. thunderstorm.

SEA DISTURBANCE.—Rough. High.

GENERAL INFERENCE from observations received up to 9 a.m.

A shallow secondary depression over Scotland will probably travel in a southerly to south-easterly direction, causing local showers in all districts except Wales, Southern Ireland and South-West England.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 10th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands	Moderate NW. breeze, fresh or strong locally on the coast. Cloudy, some showers. Cold.	Uncertain
4. W. Midlands	Moderate NW. breeze. Fair to cloudy, local showers. Cold.	
5. S.W. England 6. South Wales	Light Nly. breeze. Fair to cloudy. Rather cold.	
7. North Wales 8. N.W. England	Moderate NW. breeze. Cloudy, local showers. Moderate temp.	
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland	Moderate W-NW breeze. Cloudy, some rain or hail showers. Rather cold.	
15. Hebrides	Moderate NW. breeze. Cloudy, some showers. Moderate temp.	
16. Orkneys and Shetlands	Same as for 9-14	
17. N.W. Ireland 18. N.E. Ireland	Same as for 7-8	
19. S.E. Ireland 20 S.W. Ireland	Same as for 5-6	


SYNOPTIC CHART FOR MORNING OF Friday, 10th October, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Miles
HIGH
LOW
Bar. falling slowly
Barometer falling generally
1030 mb.
1025 mb.
1020 mb.
1015 mb.
1010 mb.
30.42 in.
30.27 in.
30.12 in.
29.97 in.
29.83 in.
49 O'cast
54 Cloudy
48 Cloudy
47 Fair
43 O'cast
41 Fair
42 Drizzle
50 Showery
51 Drizzle
41 Cloudy
40 Rain
47 O'cast
39 O'cast
48 Rain
43 O'cast
47 Cloudy
43 Showers
48 Cloudy
46 O'cast
43 Showers
48 O'cast
37 Cloudy
44 Fair
50 O'cast
49 Cloudy
41 Cloudy
39 O'cast
Scale of Surface Visibility.
0 Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
10. Objects visible beyond 30,000 metres, (18·6 miles)
Objects not visible beyond 200 metres
500 (545 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4,000 (2·2 ")
7,000 (4·3 ")
12,000 (7·5 ")
20,000 (12·4 ")
30,000 (18·6 ")

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 283. B

Friday 10th October.

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 9th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 8th	Rainfall. Day. 9h-17h. 9th	Sunshine.	Sunshine. Sunrise to Sunset. 9th
Scotland.	Oban	*	b.bc.c.o	52	35	-	-	*	7.4
	Banff	p.c	c	47	43	0.4	3	*	1.6
	Montrose	b.bo	d.c.o	50	39	-	-	*	6.1
	St. Andrews	b	c	51	38	-	-	*	6.0
England, N.E.	Harrogate	b.bc.b	bc.o.bc	48	39	-	-	*	6.7
	Skegness	o.cp	cp	52	44	-	-	*	6.2
	Scarborough	*	*	54	45	3	1	*	4.3
England, E.	Felixstowe	bcq	bcq	55	42	-	-	*	7.4
	Walton-on-Naze								
	Southend-on-Sea	c.bc.b	b.bc	56	41	-	-	*	7.4
England, S.E.	Margate	bp	b.bc.b	53	48	-	-	*	7.4
	Ramsgate								
	Folkestone	bcp	p.bc.b	54	46	-	-	*	7.8
	Hastings								
	Eastbourne	bc	bc	58	44	-	-	*	7.8
	Brighton	bc.b	b	56	44	-	-	*	8.2
	Worthing	b.bc	b	54	44	-	-	*	8.9
	Littlehampton	*	b.bc	59	49	-	-	*	7.7
	Bournemouth	*	*	54	45	-	-	*	8.5
	Tunbridge Wells	b.bc	bc.b	55	41	-	-	*	6.5

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 8th	Rainfall. Day. 9h-17h. 9th	Sunshine.	Sunshine. Sunrise to Sunset.
England, N.W.	Douglas (I.O.M.)								
	Blackpool	*	c.bc.c	51	38	-	-	*	7.2
	Southport	v.b.bc.bq	bq.bc.c	50	40	-	-	*	10.2
Midlands.	Buxton	m bc	b.bc	48	39	-	-	*	4.4
	Leamington Spa	c.b	c.b	52	37	-	-	*	4.7
	Ross-on-Wye	b.bc.c.b3	bc3.c3.bm	52	43	-	-	*	6.9
Wales.	Rhyl	b	bc	50	44	-	-	*	6.0
	Colwyn Bay	*	*	50	46	-	-	*	4.7
	Llandudno	c.b	bc	57	46	-	-	*	5.3
	Aberystwyth	c.b	bc.c	53	47	-	-	*	3.3
England, S.W.	Weymouth	b.bc	bc	56	48	-	-	*	7.0
	Teignmouth								
	Torquay	o.c.b	b.bc.b	57	49	-	-	*	5.6
	Paignton	o.bc.b	b	55	46	-	-	*	4.3
	Penzance	o.c	bc	57	50	-	-	*	2.1
	Newquay	o3	b	55	49	-	-	*	4.9
	Bude	c.bc.c	c.bc	55	41	-	-	*	6.1
	Ilfracombe	c.bc	bc.c	53	48	-	-	*	6.2
	Weston-s-Mare	bc.b	b.bc	54	46	-	-	*	5.5

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h. 9th	Weather 13h-18h. 9th	Weather 18h. 9th-1h. 10th	Weather 1h-7h. 10th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	q p.	⌒ p.	p. q	r.	46	36	*	*	*	*
Eskdalemuir	c.bc.b	bcq.c	c.bc.c.o	ox.or	48	31	26	-	-	7.2
†Stranraer	v ⊕	c.ov	Ωc.o				*	*	*	*
†Lough Foyle	ov	ov					*	*	*	*
Valencia (Cahirciveen)	b	b	b.bc.c		54	42	34	-	-	9.5
†Anglesey (Llangefni)	bc.c	bc.c	bc.c	c.o.c	59	37	*	*	*	*
Falmouth	om	c.bcq3	b.bc.c.o	o.bc	56	40	31	-	-	1.4
†Calshot (Hants)	bo	bc.c.	b.bc	b	59	35	*	*	*	*
†Capel (Folkestone)	op.	p.v	b.bc	b.bc2	55	36	*	*	*	*
Aberdeen	bcpq	bc.cpq	bcp.c		46	40	36	2	0.4	4.1
†East Fortune	bc.cv	c.ov	c.o Ω	o rh.	54	41	*	*	*	*
†Flamborough Head	p.q	cn		prh.c.o	59	41	*	*	*	*
†Felixstowe	b.bcp.	b.bcq	bc.cn.	bc.cpo	58	39	*	*	*	*
†Cranwell (Lincs)	bc.cp.	c.op.	c.o Ω	c.o.bc.c	56	36	*	*	*	*
†Bedford			bc.cΩ	bc c2	54	35	*	*	*	*
Benson	bc	b	dx		52	26	20	-	-	*
London (Kew Obsy.)	b.bc.c	b.bcq.bcm	bc		53	32	25	-	-	6.4

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora ⌂ Solar halo ⊕
Rime ⚹ Lunar halo ◐
Glazed frost ⊶ Solar corona ⊙
Glazed roads ⊶ Lunar corona ◐

LONDON. OBSERVATIONS.

24 HOURS ENDED 9h G.M.T. 10th

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rainfall. mm.	Sunshine to Sunset. Hours. (Yesterday.)	Humidity % 15 h. G.M.T. (Yesterday.)	Humidity % 9 h. G.M.T. (To-day.)
Greenwich (Royal Observatory)	bc.c	bcd	bc	54	38	28	-	5.5	64	74
City (Bunhill Row)	*	*	*	*	*	*	*		*	*
Westminster (St. James's Park)	*	*	*	54	38	30	-		64	78
" (Admiralty Arch	bcq	bcpq	bccm	54	39	*	6..	6.0	72	80
Camden Sq. (British Rainfall)	bc	bc	*	56	36	33	-	5.3	60	77
Kensington Palace	bc	bcp	*	54	36	32	-	*	75 (8h)	77

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 714 Joules.

	Milliwatts.
Average Rate.	17·9
Maximum Rate.	52

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

10th & 11th October 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.11	11.40	5.9
	6.13	11.40	5.0
Greenwich	6.17	11.47	5.17
	6.19	11.47	5.19
Wick	6.39	11.59	5.19
	6.40	11.59	6.17
Valencia	6.58	12.28	5.58
	7.0	12.28	6.55

NOTES ON THE WEATHER OF YESTERDAY.

The temperature reached 60° at Scilly only, and fell to 26° during the night at Benson, and to 32° at Kew. Sunshine records were poor in parts of Ireland and Scotland, but exceeded 8 hours at many English stations. The total rainfall amounted to 4 mm. at Stornoway and at Wick, Spurn Head and Yarmouth. There was from 1 to 2 mm. in the west of Ireland.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 21,142B ..SATURDAY, 11TH OCTOBER....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. ....10TH....													
†Houton B. (Orkney)	1023·4	-1	NNE	2	d_0	44	92	6	<500	St	10	-	-	1
Eskdalemuir ...	1021·4	-6	W	3	0	48	82	6	-	St	10	-	-	*
†Stranraer ...	1021·6	-3	NNW	5	0	53	98	5	½-1000	St	9	-	-	*
†Lough Foyle ...	1024·8	-5	NNW	6	r_0	51	98	4	½-1000	Nb	10	-	-	3
Valencia (Cahire'n)	1029·4	-3	N	2	c	52	75	8	1½-2000	Cu	6	A.Cu	2	2
†Anglesey (Llangefni)	1024·5	-4	N	2	d_0	47	92	4	1-1500	St	10	-	-	3
Falmouth ...	1024·9	-4	NNW	3	c	51	87	5	-	St.Cu	6	A.Cu	1	*
†Calshot (Hants) ...	1022·4	-1	N	3	0	51	75	6	2-3000	St	9	-	-	4
†Capel (Folkestone)	1018·4	-5	NNW	7	bc	48	75	6	4-5000	Cu	4	Ci.Cu	2	6
Aberdeen ...	1021·1	-3	NNW	3	c	50	65	7	-	Cu	7	-	-	3
†East Fortune ...	1021·9	-4	NW	3	3_2	47	87	5	2-3000	Nb	8	-	-	*
†Flamborough Head..														*
†Felixstowe ...	1019·6	-4	NNE	4	q	51	75	7	-	Nb	3	Ci.Cu	1	4
†Cranwell (Lincs)	1021·7	-3	NNW	3	bc	47	55	5	4-5000	Cu	3	Ci.Cu	2	*
†Bedford ...	1021·5	-2	NNW	3	om_0	47	65	4	3-4000	St	8	A.St	2	*
Benson	1021·1	-5	NNW	3	c	49	55	5	*	*	*	*	*	*
London (Kew Ob.)	1021·4	-5	N	3	0	48	65	6	3-4000	Cu	6	A.St	3	*
	1H. G.M.T. OF ...11TH....													
†Houton B. (Orkney)	1020·9	-3	NE	2	$r_0 f_1$	38	92	4	2-3000	St	6	A.St	4	1
Eskdalemuir ...	1017·7	-1	NNE	3	$r_0 m_1$	42	87	5	-	St	10	-	-	*
†Stranraer ...	1018·7	-1	N	2	b_1	41	98	-	4-5000	St	3	Ci.St	2	*
†Lough Foyle ...														*
Valencia (Cahire'n)	1022·5	-5	WNW	2	om	51	*	*	*	*	*	*	*	2
†Anglesey (Llangefni)	1017·3	-1	-	0	0	46	98	-	1½-2000	St.Cu	10	-	-	3
Falmouth ...	1017·8	-5	NW	4	cp	50	98	4	-	Cu.Nb	7	-	-	*
†Calshot (Hants) ...														
†Capel (Folkestone)	1014·2	-4	NNW	4	3_1	36	98	5	-	-	-	A.St	1	?
§Aberdeen ...	1018·9	-1	NE	4	r_1	40	92	6	1½-2000	Nb	9	-	-	*
†East Fortune ...	1018·0	-1	NE	3	0	43	82	-	4-5000	St.Cu	10	-	-	*
†Flamborough Head..	?	-2	N	6	2	44	75	8	4-5000	St.Cu	8	-	-	*
†Felixstowe ...	1015·3	-4	N	3	c	41	92	-	3-4000	*St	7	-	-	5
†Cranwell (Lincs)	1015·7	-2	NW	2	0	40	98	4	1½-2000	St	10	-	-	*
†Bedford ...	1015·7	-2	WSW	1	w	34	98	-	-	-	-	A.Cu	5	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1015·6	-3	W	2	b_0	37	*	*	*	*	*	*	*	*

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF ...10TH....													
†Houton B. (Orkney)	1022·4	-1	NNE	1	0	40	87	6	1½-2000	St	10	-	-	1
Eskdalemuir ...	1019·7	-1	-	0	$c3_2$	44	92	5	-	St.Cu	2	A.Cu	6	*
†Stranraer ...	1019·1	-1	NNW	2	⦶	51	98	5	½-1000	Cu.Nb	8	-	-	*
†Lough Foyle ...	1023·4	0	N	5	d_2	50	98	2	<500	Nb	10	-	-	3
Valencia (Cahire'n)	1026·4	-3	N	3	0	53	75	8	1½-2000	St	9	-	-	2
†Anglesey (Llangefni)	1019·2	-6	N	4	0	51	92	5	1-1500	St	10	-	-	3
Falmouth ...	1021·5	-5	NNW	3	com_0	49	87	4	-	St	10	-	-	*
†Calshot (Hants) ...	1019·8	-3	NNE	2	0	46	75	6	3-4000	St.Cu	5	A.Cu	4	4
†Capel (Folkestone)	1017·8	-1	NW	5	$rh_0 q$	43	92	5	3-4000	St.Cu	3	-	-	5
Aberdeen ...	1019·7	-1	N	2	0	44	75	7	-	St.Cu	9	-	-	3
†East Fortune ...	1019·2	-2	WNW	1	3_1	46	87	6	4-5000	St.Cu	7	-	-	*
†Flamborough Head..	1016·7	-3	N	4	0	46	75	5	2-3000	Cu.Nb	7	A.St	2	*
†Felixstowe ...	1017·7	-3	N	3	c	45	92	4	3-4000	St.Cu	5	A.Cu	2	5
†Cranwell (Lincs)	1019·1	-3	WNW	2	b_1	39	98	4	3-4000	St	2	A.St	1	*
†Bedford ...	1018·9	-3	NW	1	f_1	43	65	2	-	-	-	A.Cu	5	*
Benson	1019·2	-2	-	0	b_0	38	82	5	-	-	-	-	-	*
London (Kew Ob.)	1019·0	-3	-	0	$b_0 m$	44	65	4	-	-	-	-	-	*
	7H. G.M.T. OF ...11TH....													
†Houton B. (Orkney)	1018·0	-1	NE	1	2	39	75	5	3-4000	Cu	5	acu	3	1
Eskdalemuir ...	1017·6	0	N	2	b	36	92	7	-	StCu	2	ci	1	*
†Stranraer ...	1017·5	0	-	0	0	43	98	8	2-3000	St	9	-	-	*
†Lough Foyle ...														*
Valencia (Cahire'n)	1019·5	-2	N	2	0	54	87	?	2-3000	StCu	9	-	-	2
†Anglesey (Llangefni)	1016·4	0	-	0	r_0	46	92	7	1-1500	Nb	10	-	-	3
Falmouth ...	1015·7	-1	N	3	c	50	92	7	-	CuNb	8	-	-	*
†Calshot (Hants) ...	1016·1	-2	N	2	0	44	92	5	5-6000	?	3	acu	6	3
†Capel (Folkestone)	1013·0	0	NW	4	0	40	92	3	1-1500	St	10	-	-	4
§Aberdeen ...	1017·7	-1	NW	2	0	40	87	7	-	StCu	9	-	-	2
†East Fortune ...	1017·0	-1	NNE	2	v	42	82	8	3-4000	StCu	4	acu	3	*
†Flamborough Head..														*
†Felixstowe ...	1013·0	0	N	2	b	41	98	2	4-5000	St	3	-	-	5
†Cranwell (Lincs)	1015·2	0	NW	2	bc	39	98	5	2-3000	St	3	aSt	1	*
†Bedford ...	1014·7	0	NW	1	w	37	92	4	1-1500	St	2	-	-	*
Benson	1014·1	0	NW	1	em	39	98	4	-	Cu	5	-	-	*
London ... ... (M.O. at 1H.)	1014·7	0	NNW	1	om	39	98	5	2-3000	StCu	9	-	-	*

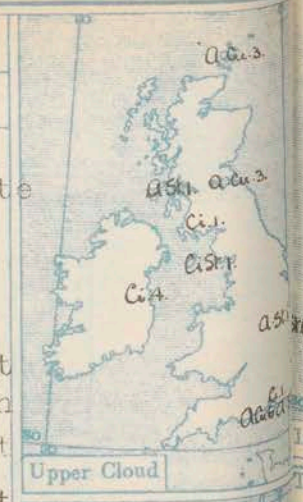
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of ...10TH....					**7H. G.M.T. of ....11TH....**									**24 HOURS ENDED 7H. ...11TH....**						**...10TH....**
Lerwick ...	1019·8	42	N	3	cm	1017·7	-2	41	0	NW	3	-	bcm	2	0·4	45	38	bcm	bc	omp	*
Stornoway ...	1022·7	50	N	3	od	1019·3	+1	44	-6	N	1	-	0	0	3	50	44	o	odp	or.o	0·4
Castlebay (Barra Is)	1023·8	50	N	3	op	1019·0	0	48	-3	NNE	3	N	bc	3	2	52	47	d.o	op	p.cp.bc	0·1
Glasgow ...	1020·1	50	E	2	c	1018·1	0	42	+2	ENE	2	N	c	*	1	56	39	op.om	omcdp	c.bc.c	1·6
Malin Head ...	1023·0	51	NW	4	omd	1018·0	-1	51	+4	NW	3	NW	cp	2	1	56	47	cmr	cmr	c	1·0
Blacksod Point	1025·4	53	N	2	op	1018·8	~~-5~~	53	+5	NNE	3	-	om	3	2	55	46	cd	bcd	omd.od	*
Roche's Point...	1025·1	52	NNW	2	o	1018·9	-1	53	+9	NNW	1	-	o	1	0·4	53	44	op.o	o	o	*
Birr Castle ...	1022·8	52	NW	1	o	1018·5	*	51	+8	NW	1	-	o	*	2	52	49	mc.o	o.c.o	or.o	0·0
Donaghadee ...	1020·6	53	NW	4	om	1017·2	-0	49	+2	E	3	-	c	3	1	54	45	omd	om	omp	*
Liverpool (Bidston)	1018·6	47	NW	1	r	1016·0	0	42	+2	NNE	2	N	bc	2	5	50	42	c	c.or	op.bc	0·6
Holyhead ...	1019·4	52	N	6	cpq	1016·2	0	50	+3	ENE	4	-	og	3	3	53	46	c.opd	op.cpm	cp.op.c	0·0
Pembroke (St. Anu's Head)	1022·3	50	NW	3	0	1016·6	-1	49	+1	N	2	N	c	2	2	53	47	or.op	op.o	op.o.c	0·0
Scilly (St. Mary's)	1024·0	50	NNE	3	c	1017·5	-2	53	+3	N	4	N	bc	3	-	56	46	bc	bc.c	bc	3·8
Jersey (St. Aubin)	1020·1	50	NW	3	c	1013·0	-3	51	+2	NW	3	NW	bc	3	4	~~44~~	43	c.b	b.bc.c	c.or.bc	5·3
Portland Bill ...	1020·4	49	N	2	0	1014·0	0	47	+3	NNE	2	N	o	2	2	52	42	bc	bc.o	bc	*
Dungeness ...	1017·6	44	N	3	b	1012·4	-8	39	+4	NNW	3	-	b	3	-	56	30	bc	bc.b	b.bcq.b	*
Wick	1019·6	44	NNW	2	om	1017·8	0	43	+1	NNW	2	-	bc	2	2	48	39	omdr	omdr	ompr.	*
Nairn	1020·2	47	N	1	r	1018·1	*	40	-1	-	0	-	r	1	7	50	40	dcg	cpgu	rg.ou	0·6
Leith	1018·9	40	WSW	1	c	1017·7	0	44	+3	NE	3	NE	c	3	2	51	40	op.o.c	p.cp.omc	cmd.o.c	*
Tynemouth ...	1019·4	47	NNW	4	bcfq	1015·2	0	44	+5	NNE	3	-	bc	4	3	48	39	bcm	bcqf	bcp	*
Spurn Head ...	1017·3	47	NW	5	cqp	1013·5	-1	45	+2	NW	5	-	cqp	5	5	48	40	cqp	cqp	cqp	*
Yarmouth (Gorleston)	1017·1	42	N	3	bc	1012·6	0	40	-3	N	3	-	c	3	7	52	39	bcpq	bcmp	bcm cp	4·1
Clacton-on-Sea	1017·6	45	NW	3	c	1012·3	0	40	+1	NW	3	-	bz	1	-	50	37	bc.c	c.bc.c	c.bc.b	4·7
Nottingham ...	1018·7	46	NW	2	om	1015·1	*	40	0	NNW	2	-	bm	*	Trace	48	38	c.cm	o.cm	o.c.bcm	2·2

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 11th October, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NW-N 5-15	Cold	Mainly cloudy or dull, local mist.	ord.	moder te
2. E. England	NW-N 5-10	"	Fine to cloudy, local showers & mist	indiff	"
3. E. Midlands	NW 2-5	"	Fine to fair; misty	"	----
4. W. Midlands	N-NE 2-5	"	Fine to cloudy	---	----
5. S.W. England	N 5-15	Moderate	Fair to dull	good	slight
6. South Wales	NNW-NNE 5	r.cold	Cloudy or dull	fair	smooth
7. North Wales	NE 0-15	"	Dull, light local rain	v. good	slight
8. N.W. England	NNE 5-10	"	Fair	v. good	slight
9. N. Midlands	N 5-10	"	Fair or cloudy	---	----
10. N.E. England	NW-NE 10-20	"	Fair to dull, local showers and squalls.	fair	moderate
11. E. Scotland	NW-NE 5-15	"	Cloudy or dull, local rain and mist.	good	smooth
12. S.W. Scotland	N-NE 0-10	"	Mainly cloudy or dull, local fog.	v.r.	slight
13. Isle of Man	NE 10	Moderate	Fair or cloudy	good	slight
14. N.& N.W. Scotland	NNW-NNE 5	r. cold	Fair or cloudy	fair	smooth
15. Hebrides	N-NE 2-10	"	Fair or dull	fair	smooth
16. Orkneys and Shetlands	NW-NE 5-10	"	Fair or cloudy, local mist	indiff.	"
17. N.W. Ireland	NW-NE 10	Moderate	Cloudy or dull, local mist & showers	poor	slight
18. N.E. Ireland	Var 10	"	Cloudy, showery	ord.	slight
19. S.E. Ireland	NW-N 2-5	"	Cloudy or dull	ord.	slight
20. S.W. Ireland	NW-N 2-5	"	Dull	v. good	smooth

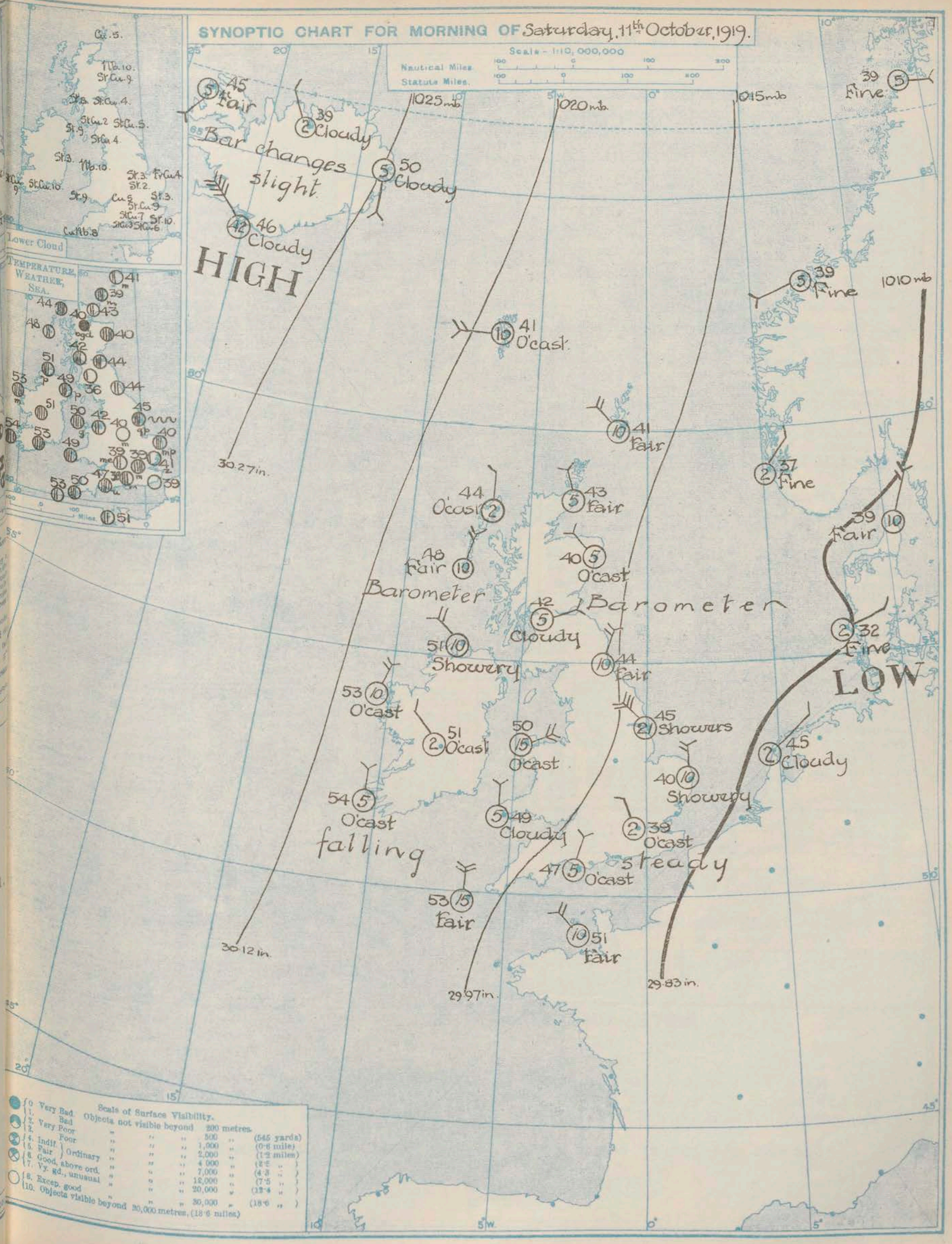


EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by the arrow flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. overcast sky. rain. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—Rough. High.

GENERAL INFERENCE from observations received up to 9 a.m.

Slight irregularitites of pressure will cause local showers, and the temperature will remain rather low with light northerly breezes.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Saturday, 11th October, 1919	Further Outlook.
1. S.E. England		
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales		
7. North Wales		Unsettled.
8. N.W. England		
9. N. Midlands		
10. N.E. England	Light northerly breezes; fair to cloudy,	
11. E. Scotland		
12. S.W. Scotland		
13. Isle of Man	local showers; rather cold.	
14. N.& N.W. Scotland		
15. Hebrides		
16. Orkneys and Shetlands		
17. N.W. Ireland		
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		


SYNOPTIC CHART FOR MORNING OF Saturday, 11th October, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Lower Cloud
TEMPERATURE, WEATHER, SEA.
HIGH
LOW
Bar changes slight
falling
steady
Barometer
Barometer
1025 mb
1020 mb
1015 mb
1010 mb
30.27 in.
30.12 in.
29.97 in.
29.83 in.
45 Fair
39 Cloudy
50 Cloudy
46 Cloudy
39 Fine
39 Fine
41 O'cast
41 Fair
37 Fine
44 O'cast
43 Fair
48 Fair
40 O'cast
39 Fair
42 Cloudy
32 Fine
51 Showery
44 Fair
53 O'cast
45 Showers
51 O'cast
50 O'cast
45 Cloudy
40 Showery
54 O'cast
49 Cloudy
39 O'cast
47 O'cast
53 Fair
51 Fair
Scale of Surface Visibility.
0. Very Bad. Objects not visible beyond 200 metres.
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair } Ordinary
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
10. Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 284 B { Saturday 11th October.

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 10th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 9th	Rainfall. Day. 9h-17h. 10th	Sunshine.	Sunshine. Sunrise to Sunset. 10th
Scotland.	Oban	*	o.bc.b.bc	53	38	-	-	*	5·0
	Banff	c.b	c.bc	48	41	4	0·2	*	0·5
	Montrose	o	cp.o	52	39	1	0·4	*	1·6
	St. Andrews	o	c	52	38	1	-	*	1·2
England, N.E.	Harrogate	c.o.bc	bc.c.o	48	36	-	-	*	2·0
	Skegness	o.c	cp	49	39	2	0·1	*	4·9
	Scarborough	*	*	55	40	?2	-	*	4·8
England, E.	Felixstowe	bc.o	bc.o	50	37	-	-	*	5·1
	Walton-on-Naze								
	Southend-on-Sea	bc	bc.c	50	36	-	-	*	5·1
England, S.E.	Margate	bc.e	c	50	43	-	-	*	3·5
	Ramsgate	*	*	51	40	-	-	*	?
	Folkestone	bc.b.bc	bc.o.bc	50	38	-	-	*	6·1
	Hastings								
	Eastbourne	bc.co	o.c.bc	51	38	-	-	*	2·7
	Brighton	c	c.bc.b	50	36	-	-	*	2·0
	Worthing	b.bc.c	c	49	36	-	-	*	4·5
	Littlehampton	*	bc.om	50	45	-	-	*	5·2
	Bournemouth	*	*	52	33	-	-	*	8·1
	Tunbridge Wells	c.bc.c	o.c.bm	48	34	-	-	*	0·7

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 9th	Rainfall. Day. 9h-17h. 10th	Sunshine.	Sunshine. Sunrise to Sunset. 10th
England, N.W.	Douglas (I.O.M.)								
	Blackpool	*	c.or	50	36	-	3	*	0·6
	Southport	op.o	or.o	49	36	-	2	*	0·9
Midlands.	Buxton	bc.o	o.bc.c	44	30	-	-	*	1·3
	Leamington Spa	c.b	c.b	48	34	-	-	*	3·7
	Ross-on-Wye	bw.c.bc	om.bc	51	33	-	-	*	3·9
Wales.	Rhyl	c	p	50	44	-	-	*	0·2
	Colwyn Bay	*	*	50	42	-	2	*	0·0
	Llandudno	o	o	54	44	-	3	*	0·0
	Aberystwyth	c.bc	c.o	50	40	-	-	*	3·3
England, S.W.	Weymouth								
	Teignmouth								
	Torquay	b	b.bc	55	38	-	-	*	8·6
	Paignton	b	b.bc.o	57	35	-	-	*	7·8
	Penzance	opr.c	c.o	55	42	-	0·1	*	0·0
	Newquay	cp	op	52	39	-	1	*	0·3
	Bude								
	Ilfracombe	bc.c	c.o	52	47	-	-	*	4·3
	Weston-s-Mare	bc.b	bc.c	52	35	-	-	*	5·2

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-18h 10th*	Weather 18h-18h 10th*	Weather 18h 10th*-1h 11th*	Weather 1h-7h 11th*	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	op.	c.od.	prs.	omp.	44	38	*	*	*	*
Eskdalemuir	or.c.o	op3	c.bc.c.orm	ormbc	48	35	31	-	0·2	0·0
†Stranraer	pd.	p.c.o	b.bc	op.	56	42	*	*	*	*
†Lough Foyle	op.	prh.					*	*	*	*
Valencia (Cahirciveen)	o.bc.c	c.o	o.c.o.c.o		54	46	46	-	-	1·2
†Anglesey (Llangefni)	bc.cpd.	or.	or.	o	51	37	*	*	*	*
Falmouth	bc.o.c	o.c.og.o	o.bcp	cp	53	40	42	trace	2	0·5
†Calshot (Hants)	c.o	c.o		b	55	35	*	*	*	*
†Capel (Folkestone)	bc.c3	o.o3	-	fg.o	52	33	*	*	*	*
Aberdeen	bc.c	c.or.o	o.c.o		50	40	37	1	-	3·6
†East Fortune	3.c	c.o3.	c.o	c.o	51	39	*	*	*	*
†Flamborough Head		pu	c.og				*	*	*	*
†Felixstowe	qp.	v bc.c	bc.cq	b.bcz	54	39	*	*	*	*
†Cranwell (Lincs)	bc.c	c.o.b.bc	bc.cp.	c.op.	47	35	*	*	*	*
†Bedford	3.q	bc.c3.	b.bcf.	fgw	58	31	*	*	*	*
Benson	bc.c	bc	cpm		49	26	25	-	0·4	*
London (Kew Obsy.)	cx.om.o	o.c.bm	bm.c.op.om		49	35	21	-	0·2	1·3

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora — Solar halo
Rime — Lunar halo
Glazed frost — Solar corona
Glazed roads — Lunar corona

LONDON. OBSERVATIONS.

24 HOURS ENDED 9H G.M.T.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. Yesterday.	Humidity % 9 h. G.M.T. To-day.
Greenwich (Royal Observatory)	c	bc	bc.c.o.bc	49	33	20	-	1·3	62	83
City (Bunhill Row)	*	*	*	*	*	*	*	1·2	*	*
Westminster (St. James's Park)	*	*	*	50	33	27	-	1·2	65	84
" (Admiralty Arch	cm.om	bcm	bm.o2b2	50	37	*	trace	1·5	73	85
Camden Sq. (British Rainfall)	b.bc	o.bc	*	50	34	29	2	1·1	62	83
Kensington Palace	cm.bc	bc	*	49	32	24	1	*	79 (6h)	86

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 624 Joules.

Milliwatts.
Average Rate. 15·8
Maximum Rate. 50

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

11th & 12th October 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.13	11.40	5.6
	6.15	11.40	5.4
Greenwich	6.19	11.47	5.16
	6.21	11.47	5.13
Wick	6.41	11.59	5.17
	6.44	11.59	5.14
Valencia	7.0	12.28	5.51
	7.2	12.28	5.53

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell almost everywhere, 7mm at Nairn and Yarmouth, 5mm at Spurn Head and Liverpool. Sunshine records were poor generally, except in SW England. Bournemouth, Torquay and Paignton all experienced about 8 hours.

The day was rather cold, no maximum temperature exceeding 57°.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21,143B . SUNDAY 12th OCTOBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

Stations	Barom. at M.S.L. m.b.	‡ Change in 3 hours	Wind Direc.	Wind Force 0-12.	Weather	Temp. °F.	% Humidity	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
						13H. G.M.T. 11th								
†Houton B. (Orkney)	1017.7	-3	NNW	2	o	42	75	7	5-7000	St	10	-	-	1
Eskdalemuir ...	1016.5	0	N	2	cq	46	55	8	4-5000	St	8	-	-	*
†Stranraer ...	1016.7	-1	-	0	o	50	87	8	2-3000	Sc	9	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1018.3	-1	NNE	2	o	57	75	10	1½-2000	St.Cu	6	A.Cu	3	2
†Anglesey (Llangefni)	1016.3	-1	ENE	2	bc	50	65	8	4-5000	St.Cu	3	A.St	2	4
Falmouth ...	1015.6	0	N	1	o	55	65	7	-	St.Cu	9	-	-	*
†Calshot (Hants) ...	1015.1	+2	NNE	2	c	52	65	6	2-3000	St.Cu	8	-	-	3
†Capel (Folkestone)	1012.8	+2	N	5	c	48	?	5	1-1500	St.Cu	7	-	-	4
Aberdeen ...	1016.3	-2	N	3	c	47	55	8	-	Cu	7	-	-	3
†East Fortune ...	1016.6	-1	NNE	2	bc	48	55	7	5-7000	St.Cu	4	-	-	*
†Flamborough Head ...														*
†Felixstowe ...	1013.4	0	E	2	c	50	75	5	3-4000	St.Cu	5	-	-	3
†Cranwell (Lincs)	1015.3	0	NNW	3	c	47	92	8	2-3000	St	5	A.Cu	2	*
†Bedford ...	1014.4	0	N	3	bc	51	65	5	7-9000	St.Cu	6	-	-	*
Benson	1014.4	-1	N	T	c	50	55	6	*	*	*	*	*	*
London (Kew Ob.)	1014.0	-2	NNE	2	bc	49	65	6	3-4000	Cu	5	-	-	*
						1H. G.M.T. OF 12th								
†Houton B. (Orkney)	1008.4	-3	-	0	d_0	42	92	4	1-1500	St.Cu	9	-	-	1
Eskdalemuir ...	1010.2	-6	-	0	or	37	92	5	-	St	10	-	-	*
†Stranraer ...	1011.7	-2	-	0	d_1	45	98	-	2-3000	St	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1015.7	-1	NNE	3	bc	52	*	*	*	*	*	*	*	2
†Anglesey (Llangefni)	1012.3	-4	S	1	o	44	82	-	2-3000	Nb	10	-	-	3
Falmouth ...	1014.0	-2	N	1	bcw	44	92	6	-	-	-	A.Cu	6	*
†Calshot (Hants) ...	1014.1	0	NNE	1	b_0	43	87	4	-	-	-	-	-	3
†Capel (Folkestone)	1013.3	-1	NNW	2	b_1	38	92	7	1½-2000	Cu	1	A.St	3	
§Aberdeen ...	1009.4	-4	W	3	$r_1 f_1$	40	87	3	½-1000	Nb	10	-	-	*
†East Fortune ...	1008.6	-5	SW	1	c	43	82	-	5-6000	St.Cu	8	-	-	*
†Flamborough Head ...	1010.8	-5	NNE	2	o	40	87	8	2-3000	St.Cu	9	-	-	*
†Felixstowe ...	1013.0	0	NNW	3	c	41	98	6	-	-	-	A.Cu	6	0
†Cranwell (Lincs)	1012.8	-4	W	1	o	37	98	5	2-3000	St	6	A.St	4	*
†Bedford ...	1013.1	-2	WSW	2	3_2	37	92	4	-	-	-	A.Cu	10	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... (M.O. at 1h.)	1013.5	0	-	0	cm	39	*	*	*	*	*	*	*	*

Stations	Barom. at M.S.L. m.b.	‡ Change in 3 hours	Wind Direc.	Wind Force 0-12.	Weather	Temp. °F.	% Humidity	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
						18H. G.M.T. OF 11th								
†Houton B. (Orkney)	1013.9	-4	WNW	1	o	40	98	6	1-1500	Cu.Nb	10	-	-	1
Eskdalemuir ...	1015.3	-1	NNW	1	o	37	75	7	-	St	1	A.Cu	8	*
†Stranraer ...	1015.9	-2	-	0	o	41	98	8	3-4000	St.Cu	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1017.1	-1	NNW	2	c	54	75	10	2-3000	Cu	7	-	-	2
†Anglesey (Llangefni)	1015.4	0	-	0	bc	40	82	-	2-3000	St	4	A.Cu	2	3
Falmouth ...	1014.7	-1	N	2	b_3	50	82	6	-	Cu	1	A.Cu	1	*
†Calshot (Hants) ...	1014.2	+1	N	2	b_0	45	75	5	-	-	-	-	-	3
†Capel (Folkestone)	1013.5	+1	NNW	2	bc	41	92	8	1½-2000	Cu	2	A.Cu	2	2
Aberdeen ...	1014.0	-2	NNW	2	o	43	65	7	-	St.Cu	9	-	-	3
†East Fortune ...	1014.0	-3	W	1	c	43	75	4	3-4000	St.Cu	6	A.St	2	*
†Flamborough Head ...	1013.4	0	N	3	c	45	75	8	3-4000	Cu	7	-	-	*
†Felixstowe ...	1013.8	+1	NE	2	b_1	41	98	6	3-4000	St.Cu	3	-	-	3
†Cranwell (Lincs)	1014.0	0	NW	1	o	42	98	5	2-3000	St	6	A.St	4	*
†Bedford ...	1014.2	0	N	1	3	42	75	4	2-3000	St.Cu	3	A.St	3	*
Benson	1014.2	0	-	0	b_0	42	82	5	-	-	-	-	-	*
London (Kew Ob.)	1014.1	+2	NNW	2	bm	45	75	3	-	-	-	A.Cu	3	*
						7H. G.M.T. OF 12th								
†Houton B. (Orkney)	1004.5	-3	N	7	[illegible]	37	82	5	2-3000	St.Cu	5	A.St	3	6
Eskdalemuir ...	1004.9	-3	NW	2	or	40	92	8	2-3000	Nb	6	A.St	2	*
†Stranraer ...	1006.5	-4	NNW	3	o	47	92	5	1-1500	Fr.Cu	9	-	-	*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1012.2	-4	NW	4	o	52	92	7	1-1500	St	10	-	-	3
†Anglesey (Llangefni)	1006.6	-4	W	1	o	46	92	1	?	?	?	?	?	5
Falmouth ...	1010.8	-3	WSW	4	o	48	82	7	-	Cu.Nb	4	A.St	5	*
†Calshot (Hants) ...	1009.9	-3	-	0	o	43	98	2	1-1500	St	10	-	-	2
†Capel (Folkestone)	1010.8	-2	WSW	2	2	41	98	5	4-5000	St.Cu	6	A.Cu	4	3
§Aberdeen ...	1003.0	-3	NW	2	r_0	43	98	8	-	Nb	9	-	-	2
†East Fortune ...	1003.8	-5	W	1	o	43	82	4	4-5000	St.Cu	9	-	-	*
†Flamborough Head ...														*
†Felixstowe ...	1009.7	-5	WNW	2	f_2	41								
†Cranwell (Lincs)	1008.0	-4	SW	1	om	39	92	4	2-3000	St	7	A.St	3	*
†Bedford ...	1008.7	-4	SW	1	f_1	39	87	3	1½-2000	Nb	4	Ci.St	3	*
Benson	1009.0	0	SW	1	o	37	98	6	-	-	-	-	-	*
London ... (M.O. at 1h.)	1009.5	-3	-	0	omx	~~34~~	92	4	-	-	-	A.St	10	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

Stations	Barom. at M.S.L. m.b. (18h. G.M.T. of 11th)	Temp. °F.	Wind Direc.	Wind Force 0-12.	Weather	Barometer at M.S.L. m.b. (7h. G.M.T. of 12th)	‡ Change in 3 hours	Temperature Temp. °F.	Change in 24 hours	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud	Weather	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather Morning	Weather Afternoon	Weather Night	Sunshine Hours (11th)
															24 HOURS ENDED 7H. 12th						
Lerwick	1011.4	40	-	0	om	1001.9	-4	38	-3	NNW	3	-	omq	3	1	46	37	om	om	ompq	*
Stornoway ...	1013.8	47	NE	1	o	1008.8	+2	39	-5	N	4	-	opq	3	2	49	39	o	o	opq	0.3
Castlebay (Barra Is)	1015.1	48	NNW	2	o	1009.8	0	44	-4	N	4	-	op	4	2	52	43	bc	bc.op	op.c.op	5.2
Glasgow ...	1014.6	45	SW	2	om	1005.4	-4	42	0	W	2	N	c	*	-	49	40	c	c.om	om.c	2.7
Malin Head ...	1015.1	49	NNW	2	c	1008.0	-1	47	-4	NW	4	NW	cr	4	5	54	40	cp	c	omd	1.1
Blacksod Point	1016.6	53	NW	2	omd	?	+1	52	-1	N	4	-	oq	5	2	55	49	bcp	bcp	ompq	*
Roche's Point ...	1016.6	55	NW	2	o	1010.5	-3	53	0	NNW	3	NW	o	2	1	59	50	d ~~opo~~	o	d2 ~~op.o~~	*
Birr Castle ...	1016.2	45	NW	1	c	1008.8	*	50	-1	NW	2	-	o	*	3	55	42	c	c	c.or.o	3.3
Donaghadee ...	1016.2	47	WSW	1	bcm	1008.1	-3	48	-1	W	3	-	omd	3	1	52	45	cp	bv	omp	*
Liverpool (Bidston)	1014.9	45	NW	2	b	1005.7	-6	44	+2	SW	3	-	r	3	1	50	42	bc	bc	c.or	6.2
Holyhead ...	1015.2	48	NNE	2	c	1006.7	-4	47	-3	WNW	4	NW	opm	3	4	54	43	op.c	o	c.orm	2.4
Pembroke (St. Ann's Head)	1015.8	47	N	1	bv	1009.0	-3	49	0	WNW	3	-	o	3	4	55	46	op	bcv	cv.op	3.7
Scilly (St. Mary's)	1015.8	52	NNE	2	bc	1012.1	-3	53	0	WNW	4	N	c	4	-	58	31	bc.c	bc	c.bc.c	4.2
Jersey (St. Aubin)	1014.1	49	N	3	b	1011.9	-1	50	-1	W	2	W	c	2	-	55	38	bc.c	c.bc.b	bw.c	9.0
Portland Bill ...	1014.1	46	NNE	2	c	1009.6	-3	53	-6	W	3	W	c	3	-	53	41	o.c	o.c	bc.c	*
Dungeness ...	1012.3	46	N	2	b	1010.2	-2	35	-9	NNW	2	NW	bc	2	-	52	32	bc	c.bc	bc.bcx	-
Wick	1013.1	41	NW	1	om	1003.6	-3	42	-1	NNW	3	-	omp	3	2	47	40	bc.o	omp	ompr	*
Nairn	1013.8	43	-	0	c	1004.9	*	42	+2	N	4	-	cqv	3	2	46	39	dcg	cg	cpv	0.7
Leith	1013.9	44	SW	1	o	1004.0	-1	42	-2	W	2	N	c	1	-	52	42	c.bc.c	bc.c.o	o.c.o2.c	
Tynemouth ...	1014.1	45	N	3	bcm	1004.2	-5	41	-3	W	2	-	cm	2	1	48	40	bcp	bc	om.omp	*
Spurn Head ...	1013.2	45	N	4	c	1006.9	-3	42	-3	WSW	3	-	om	4	1	49	41	cq	o	cq/om	*
Yarmouth (Gorleston)	1012.9	43	N	2	bc	1008.7	-4	37	-3	WSW	2	-	cm	2	2	51	35	cm.bcp	bcmp	bcmp	7.0
Clacton-on-Sea	1013.2	45	NW	2	bc	1009.4	-3	41	+1	NW	2	-	ogm	1	-	53	35	bd.bcq	bc	bc.ogm	6.8
Nottingham ...	1014.3	43	NNE	1	c	1007.4	*	38	-2	SW	1	-	o	*	-	51	37	bc.c	cm	c.o	6.1

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1h

SUMMARY OF CONDITIONS AT 7 A.M.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SW 0-10	V. Cold	Fair to dull, local mist.	Ord.	Smooth
2. E. England	SW 2-10	Cold	Cloudy or dull, misty.	Poor	"
3. E. Midlands	SW 2	"	Dull local mist.	Ord.	–
4. W. Midlands	SW-W 2-5	"	Cloudy or dull, local mist.	–	–
5. S.W. England	SW-W 5-15	Mod.	Cloudy or dull.	Good	Slight
6. South Wales	W-NW 10	R. Cold	Dull.	Fair	"
7. North Wales	Wly 5-15	R. Cold	Dull, local mist & showers	Poor	"
8. N.W. England	SW-NW 2-10	R. Cold	Cloudy or dull, local rain.	Good	"
9. N. Midlands	SW-W 2-5	Cold	Dull, local mist.	Ord.	–
10. N.E. England	SW-W 5-10	"	Cloudy or dull, misty, local rain	"	Slight
11. E. Scotland	W-N 5-15	R. Cold	Cloudy or dull, local rain.	Var.	Smooth
12. S.W. Scotland	W-NW 5-15	Mod.	Fair to dull, local rain	Good	Slight
13. Isle of Man	NW-N 2-10	R. Cold	Dull, local showers.	–	Slight
14. N.& N.W. Scotland	NW-N 5-15	"	Cloudy or dull, local showers & mist.	–	"
15. Hebrides	N 15	Cold	Dull, showery, local squalls	–	"
16. Orkneys and Shetlands	NW-N 10-20	"	Dull, local mist, wind 35 mph in Orkneys	Fair	Var.
17. N.W. Ireland	N 15	Mod.	Dull, local squalls	–	R. Rough
18. N.E. Ireland	W-NW 10-15	"	Cloudy or dull, local drizzle	–	Mod.
19. S.E. Ireland	W-NW 2-5	"	Dull, local drizzle	Var.	Slight
20. S.W. Ireland	NNW 10-15	"	Dull, local showers.	"	"

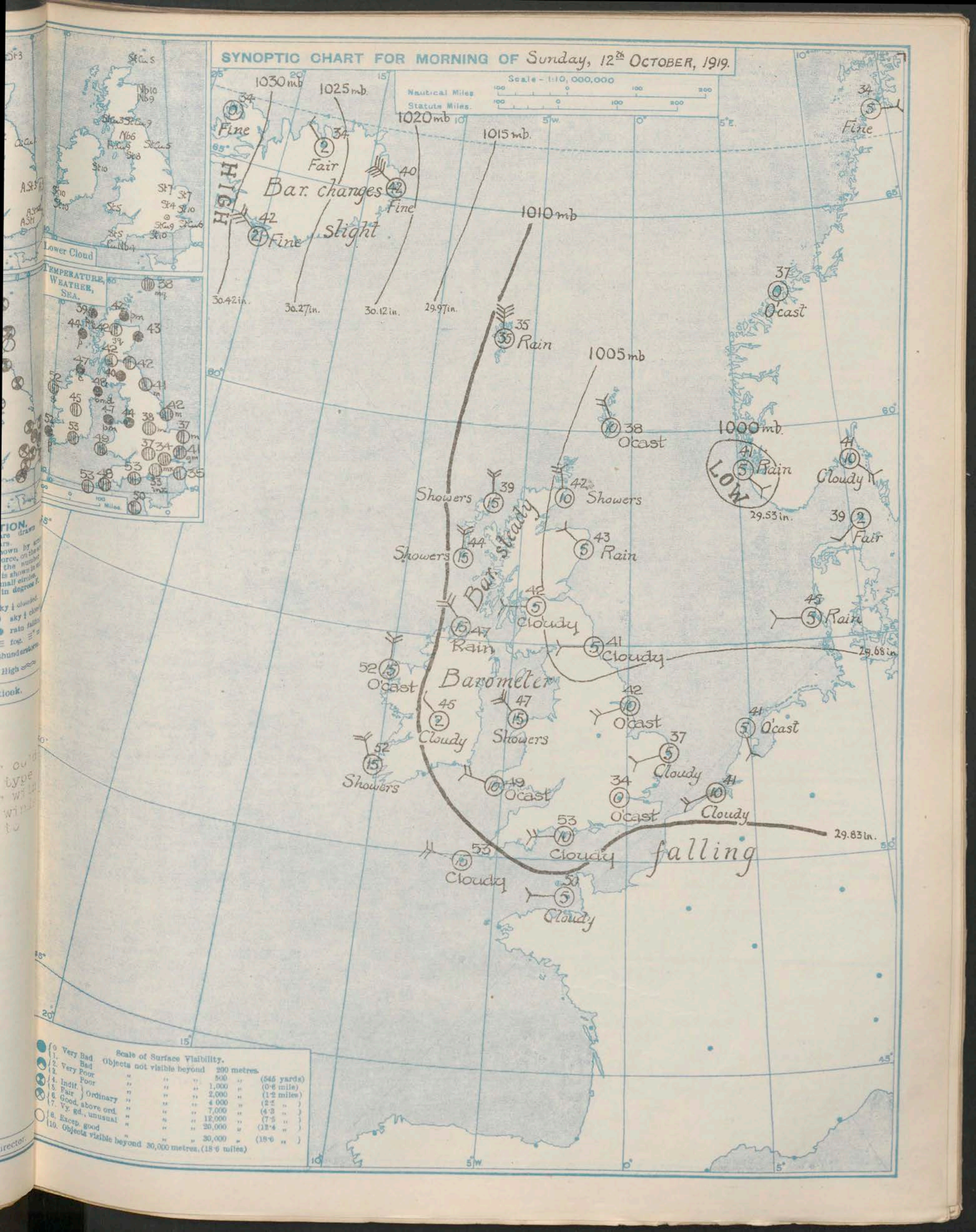
EXPLANATION.

BAROMETER.—Isobars are drawn at 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. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.— Rough High

GENERAL INFERENCE from observations received up to 10 h

An anticyclone is still centred in the Icelandic region but a depression over the Northern North Sea is moving southwards and causing unsettled weather over the whole of the British Isles.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Sunday, 12th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Moderate W to NW winds veering. Cloudy or dull, some rain at times. Mist locally today. Rather cold.	A rather cold unsettled type of weather with northerly winds is likely to continue.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Moderate or fresh Northerly winds. Cloudy or dull, some rain at times. Rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate or fresh Northerly winds. Cloudy or dull, some showers. Moderate temperature.	


SYNOPTIC CHART FOR MORNING OF Sunday, 12th OCTOBER, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
1030 mb
1025 mb
1020 mb
1015 mb
1010 mb
1005 mb
1000 mb
HIGH
Bar. changes slight
Fine
Fair
Rain
O'cast
Showers
Cloudy
LOW
29.53 in.
Bar. steady
Rain
Barometer falling
29.68 in.
29.83 in.
30.42 in.
30.27 in.
30.12 in.
29.97 in.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
0. Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
10. Objects visible beyond 30,000 metres. (18·6 miles)
Objects not visible beyond 200 metres.
500 (545 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4 000 (2·5 ")
7,000 (4·3 ")
12,000 (7·5 ")
20,000 (12·4 ")
30,000 (18·6 ")

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 285B { SUNDAY 12th OCTOBER 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 11th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h.10-9h.11	Rainfall. Day. 9h.11-18h.	Sunshine.	Sunshine. Sunrise to Sunset ...11th
Scotland.	Oban	*	bc.c.o	63	43	-	-	*	0.9
	Banff	c.bc	bc	50	43	1	-	*	2.3
	Montrose	bc.c	c	50	37	-	-	*	2.4
	St. Andrews								
England, N.E.	Harrogate	c.bc.c	c.bc c.o	48	37	0.4	-	*	4.5
	Skegness								
England, E.	Felixstowe	bcq	bc	52	37	-	-	*	6.2
	Walton-on-Naze								
	Southend-on-Sea	bc.c	b	54	35	-	-	*	6.7
England, S.E.	Margate								
	Ramsgate	*	*	54	36	-	-	*	6.6
	Folkestone	c	c	51	45	-	-	*	7.6
	Hastings								
	Eastbourne	bc	bc	54	39	-	-	*	6.7
	Brighton								
	Worthing	bc.c	b	51	37	-	-	*	7.3
	Littlehampton	*	bcm	51	45	-	-	*	7.3
	Bournemouth	*	*	53	38	2	-	*	6.5
	Tunbridge Wells	bc.b	bc.b	53	30	-	-	*	6.3

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h.10-9h.11	Rainfall. Day. 9h.11-18h.	Sunshine.	Sunshine. Sunrise to Sunset ...11th
England, N.W.	Douglas (I.O.M.)								
	Blackpool								
	Southport	b	b.bc.c.b	50	40	1	-	*	9.2
Midlands.	Buxton	c.b.bc.b	b.bc.c	47	35	-	-	*	5.4
	Leamington Spa	bc	c.b	57	36	-	-	*	6.0
	Ross-on-Wye	c.bc	bcm	54	32	1	-	*	5.1
Wales.	Rhyl								
	Colwyn Bay								
	Llandudno								
	Aberystwyth	r.o.c	b.bc	52	39	*	*	*	4.6
England, S.W.	Weymouth								
	Teignmouth								
	Torquay	ebebb	beco	56	47	-	-		4.8
	Paignton	c.bc	bc.cm	55	46	0.3	-	*	4.0
	Penzance								
	Newquay								
	Bude								
	Ilfracombe								
	Weston-s-Mare								

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-18h.11*	Weather 18h-18h.11*	Weather 18h.11*-1h.12*	Weather 1h-7h.12*	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall Day. 7h-18h	Rainfall Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	ps,	p,o	rhoq	ed.o	43	35	*	*	*	*
Eskdalemuir	b.bc.cq	oq.c.o	o.or	cr	47	35	32	-	trace	6.3
†Stranraer	cv	cv	op,	bc.cbc.c	51	41	*	*	*	*
†Lough Foyle					*	*	*	*	*	*
Valencia (Cahirciveen)	od.c.o	o.c.bc.o	c. or. or		58	51	45	-	2	1.9
†Anglesey (Llangefni)	c.ou	b.bc	bc.c.c.o	T.o	55	38	*	*	*	*
Falmouth	c.op	c.bc.cq	bw.bcw	c.o	57	42	33	trace	-	3.6
†Calshot (Hants)	c.o	b.bc	b,	bo	55	38	*	*	*	*
†Capel (Folkestone)	3,c.o	v.prh,	⊕ bc.c	c.o.om,	53	33	*	*	*	*
Aberdeen	c.bc	op.c	op		49	40	38	0.3	0.4	2.2
†East Fortune	bc.cv	bc.cv	c.opd,	c.o	48	40	*	*	*	*
†Flamborough Head		c.ou	c.ov				*	*	*	*
†Felixstowe	bc.cp,	op,	qp,	c	52	40	*	*	*	*
†Cranwell (Lincs)	b.bcc	bc.c.o	⊕c.o	c.om,	50	36	*	*	*	*
†Bedford	bc.c		c.o3,	c.ofq1	51	31	*	*	*	*
Benson	bc	bc	bq		51	27	22	-	-	*
London (Kew Obsy.)	om.bcm.bc	bcm.bm	bf. cm.	omx	52	31	19	trace	-	4.2

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.

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- 1·6
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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—
Aurora ⌂ Solar halo ⊕
Rime ⚹ Lunar halo ◐
Glazed frost ⌓ Solar corona ◎
Glazed roads ⌖ Lunar corona ◎

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 HOURS ENDED 9H G.M.T. ...12th...							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	c.o.c	c.bc.c	bc cfq.cq	53	32	19	-	4.9	65	75
City (Bunhill Row)	*	*	*	*	*	*	*		*	*
Westminster (St. James's Park)	*	*	*							
" (Admiralty Arch	o2 bcm	cm	bmbfqm	53	37	*	-	3.5	74	81
Camden Sq. (British Rainfall)	bc.b	bc	*	56	33	30	-	5.6	61	53
Kensington Palace	o.bc.	cm	*	52	32	29	-	*	82 (8h)	84

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ..... Joules.

Milliwatts.

Average Rate.

Maximum Rate.

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

12th & 13th OCTOBER 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.15	11.40	5.4
	6.17	11.39	5.1
Greenwich	6.21	11.47	5.13
	6.22	11.46	5.10
Wick	6.44	11.53	5.14
	6.46	11.58	5.11
Valencia	7.2	12.28	5.53
	7.4	12.27	5.50

NOTES ON THE WEATHER OF YESTERDAY.

In the South of England the day was fair or fine but showery weather prevailed in most other districts though the rainfall measured did not exceed a few millimetres. The duration of bright sunshine varied from less than an hour at stations in the North of Scotland to an extreme of 9.0 hours at Jersey. Temperature reached nearly 60° in Ireland, but in the East of England hardly exceeded 50°.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 21,144 B ..MONDAY, 13th OCTOBER....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind Direc.	Wind Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.	Barom at M.S.L. m.b.	‡ Change in 3 hours.	Wind Direc.	Wind Force 0-12.	Weather.	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H. G.M.T. 12th														18H. G.M.T. OF 12th													
†Houton B. (Orkney)	999.8	-5	N	6	h	37	92	4	3-4000	St	7	A.St	3	4	997.6	-2	NNE	4	rs,q	35	92	4	½-1000	St	10	-	-	5
Eskdalemuir ...	1001.3	-3	N	3	o	44	75	8	-	St.Cu	10	-	-	*	998.9	-2	WNW	5	or,q	38	87	6	1½-2000	Nb	10	-	-	*
†Stranraer ...	1001.3	-1	NNW	5	q	49	87	8	½-1000	Cu.Nb	6	Ci.St	1	*	1001.1	-1	N	6	rq	42	98	5	1½-2000	Nb	3	-	-	*
†Lough Foyle ...																												
Valencia (Cahirc'n)	1011.2	0	NNE	5	c	53	75	10	1½-2000	Cu	8	-	-	3	1010.7	0	NNW	5	o	51	65	10	2-3000	St.Cu	10	-	-	3
†Anglesey (Llangefni)	1004.8	-4	NNW	3	o	51	75	8	1-1500	St.Cu	9	-	-	6	1003.2	-3	NNW	4	q	45	75	6	1½-2000	Nb	5	A.Sc	1	6
Falmouth ...	1007.6	-4	WSW	4	cepm	56	87	6	-	Cu.Nb	7	-	-	*	1005.8	-1	WNW	4	c	51	87	6	-	Cu	2	Ci.Cu	5	*
†Calshot (Hants) ...	1005.6	-2	WSW	3	r	52	98	5	<500	Nb	10	-	-	4	1001.9	-4	W	3	d	53	92	7	½-1000	Nb	10	-	-	4
†Capel (Folkestone)	1005.9	-4	WSW	4	b	51	98	5	4-5000	St.Cu	8	A.Cu	2	3	1001.0	-4	WSW	5	q	50	98	1	<500	Nb	10	-	-	5
Aberdeen ...	1000.0	-5	WNW	4	o	42	75	7	-	Cu	5	A.St	5	3	998.7	-2	WNW	5	bc	36	92	7	-	Cu.Nb	5	-	-	3
†East Fortune ...	1001.3	-2	N	4	o	46	65	7	4-5000	St.Cu	10	-	-	*	998.1	-2	NNE	4	o	39	92	6	1-1500	Nb	10	-	-	*
†Flamborough Head ...	1001.2	-4	W	2	c	50	65	5	2-3000	St.Cu	5	A.St	2	*	996.9	-4	NNW	4	r,q	43	82	5	<500	Nb	10	-	-	*
†Felixstowe ...	1004.9	-5	W	4	o	45	98	3	2-3000	St	9	-	-	5	1001.0	-4	WNW	3	om	49	92	2	1½-2000	St	10	-	-	4
†Cranwell (Lincs)	1002.6	-7	WSW	3	o	47	82	5	1-1500	St	9	-	-	*	999.0	-4	W	3	bc	44	92	6	2-3000	St	3	Ci	1	*
†Bedford ...	1004.0	-6	SW	4	d	47	87	2	3-4000	St	10	-	-	*	1000.5	-6	NW	3	r.f	48	98	5	2-3000	St	10	-	-	*
Benson	1004.6	-5	WSW	3	o	48	92	4	?	?	?	?	?	*	1000.9	-4	SW	1	? r	48	92	5	-	Nb	10	-	-	*
London (Kew Ob.)	1004.6	-7	SW	2	or,m	49	82	4	2-3000	St	9	A.St	1	*	1001.0	-5	WNW	2	om	49	92	4	-	St.Cu	5	A.Cu	4	*
	1H. G.M.T. OF 13th														7H. G.M.T. OF 13th													
†Houton B. (Orkney)	996.9	0	NNE	5	o	39	87	6	1½-2000	F.Cu	9	-	-	6	998.1	+1	NE	6	r	39	98	5	1-1500	Cu.Nb	10	-	-	7
Eskdalemuir ...	998.4	-2	WNW	4	c	32	75	7	-	Cu	1	Ci.Sc	5	*	996.4	0	NW	3	bcx	35	82	7	-	St.Cu	1	Ci.St	4	*
†Stranraer ...	999.5	-2	NNW	4	bc	41	92	·	3-4000	Cu	2	Ci	2	*	997.8	-2	N	5	o	45	98	5	1½-2000	St	10	-	-	*
†Lough Foyle ...																												*
Valencia (Cahirc'n)	1011.3	0	NNW	3	bc	47	*	*	*	*	*	*	*	4	1010.5	0	NNW	4	cp	46	82	10	3-4000	Cu	7	-	-	3
†Anglesey (Llangefni)	1002.5	0	NNW	4	b	42	75	-	1½-2000	Cu	3	-	-	6														
Falmouth ...	1006.6	+1	NW	4	or	47	75	6	-	Cu.Nb	10	-	-	*	1006.3	0	NW	3	bc	44	65	5	-	Cu.Nb	4	-	-	*
†Calshot (Hants) ...															1003.1	+1	NW	4	b	44	82	6	-	-	-	-	-	3
†Capel (Folkestone)	999.0	-5	NW	3	bc	42	45	3	1½-2000	St.Cu	6	-	-	3	1001.0	+2	WNW	6	b	38	98	7	1½-2000	Cu	1	-	-	4
§Aberdeen ...	994.8	-2	NNW	4	c	39	92	5	2-3000	Cu.Nb	7	-	-	*	998.0	-1	NW	3	r	42	98	7	-	Nb	10	-	-	3
†East Fortune ...	996.6	-2	NNW	4	q	39	75	-	2-3000	St.Cu	3	A.St	3	*	995.3	0	NNW	5	bcq	40	75	7	4-5000	St.Cu	3	A.St	3	*
†Flamborough Head														*	995.1	0	SW	2	bc	33	75	8	4-6000	Fr.Cu	3	A.St	2	*
†Felixstowe ...	998.8	0	NNW	5	q	43	92	6	4-5000	St.Cu	1	A.Cu	1	4	1000.2	+2	WNW	3	bem	39	92	5	5-7000	Cu	1	-	-	4
†Cranwell (Lincs)	999.7	+4	WNW	3	b	36	98	6	-			-	-	*	998.1	-1	W	3	b	34	98	6	-	-	-	-	-	*
†Bedford ...	1000.1	+1	W	3	b	39	82	6	-	-			-	*	1000.4	0	WSW	3	b	37	?	?	-	-	-	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1000.6	+1	W	1	b	36	92	6	-	-	-	-	-	*
London ... (M.O. at 1H.)	1000.4	0	W	1	b	41	*	*	*	*	*		*	*	1001.5	+3	WSW	1	bx	36	92	5	-	-	-	-	-	*

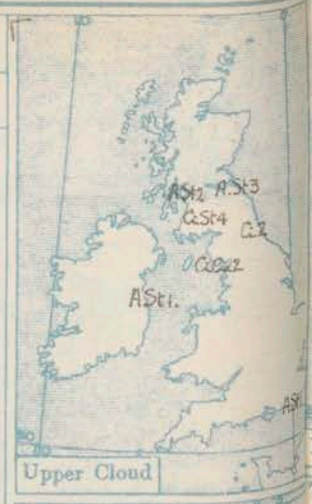
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind Direc.	Wind Force 0-12.	Weather	Barometer at M.S.L. m.b.	Barometer ‡ Change in 3 hours.	Temperature Temp. °F.	Temperature Change in 24 hours.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather Morning.	Weather Afternoon.	Weather Night.	Sunshine Hours.
	18H. G.M.T. of 12th					7H. G.M.T. of 13th									24 HOURS ENDED 7H. 13th						12th
Lerwick ...	999.3	43	NNE	3	omr	991.0	+2	48	+5	NE	5	-	omr	4	3	45	36	omp	omp	omh	*
Stornoway ...	1002.9	40	N	5	cpq	1001.6	+2	42	+3	N	6	-	orq	5	10	43	37	oprhq	o.cpq	orq	2.5
Castlebay (Barra Is.)	1005.2	42	N	4	ohp	1002.9	0	43	-1	N	5	-	op	5	9	46	37	op	cp.bch	h.bc.hp	1.6
Glasgow ...	1000.2	39	NW	3	b	998.0	0	37	-5	WNW	3	N ~~NW~~	b	*	0.3	49	34	c.odpc	~~[illegible]~~	b.bo.bx	5.0	1-c.op
Malin Head ...	1003.6	45	NW	6	cqp	1000.7	-1	46	-1	NW	7	NW	cqp	5	5	?53	40	bcqp	bcqp	cqp	1.8
Blacksod Point	1010.9	47	NW	4	cpq	1007.8	?-1	46	-6	NW	4	-	cqp	?	1	?	?	oq	bcp	cp.bcq	*
Roche's Point ...	1008.7	50	N	4	o	1008.8	0	43	-10	WNW	3	NW	b	1	0.3	57	41 ~~40~~	o.cp.o	o	o.b.	*
Birr Castle ...	1008.2	45	NW	2	c	1006.4	*	39	-11	W	4	W	c	*	1	51	36	ocp.o	op.c.	o	1.1	1-
Donaghadee ...	1003.4	40	NW	5	cp	1001.2	-3	43	-5	NW	4	-	oqp	4	4	51	39	c.o	c.oph	cqph	*
Liverpool (Bidston)	999.8	46	WNW	5	bc	998.5	-2	42	-2	WNW	6	-	oq	5	5	51	41	-	opq	oqp.	1.1
Holyhead ...	1002.9	49	NW	7	cpq	1000.6	?-2	46	-1	NW	6	N	cqg	5	1	52	44	opcp	cpq	cp.cq	2.4
Pembroke (St. Ann's Head)	1005.4	50	NW	3	cv	1004.4	0	45	-4	NW	5	NW	bcqv.	5	1	54	44	opcp	cv	bcqv	1.8
Scilly (St. Mary's)	1007.9	53	NW	3	c	1008.0	0	48	-5	NNW	6	NW	bcq	5	2	58	46	cp	cp	bcqp	6.5
Jersey (St. Aubin)	1006.3	53	WSW	6	odm	1004.7	0	48	-2	WNW	3	NW	b	3	6	56	48	c.obc.o	oc.odm	dmq.pb	0.7
Portland Bill ...	1002.5	56	WSW	5	oq	1002.6	0	48	-5	NW	5	-	bcq	4	-	56	46	[illegible]	oqp	cq	*
Dungeness ...	1001.1	52	WSW	5	cq	1000.6	+1	37	+2	NW	3	-	b	3	5	54	35	c	cncq	cq.pcb	*
Wick	997.8	39	NW	4	ompr	996.6	+2	46	+4	NE	5	-	cmp	4	3	47	35	omprh	omprh	ompr.	*
Nairn	999.9	38	N	4	o	996.4	*	41	-1	NNW	3	-	omqr	3	5	43	36	cq.u.	cbq.	q.pr.c.u	0.0
Leith	998.3	40	NW	3	c	995.2	0	42	0	NW	3	N	c	3	1	48	36	c8.go.	o.d8.qc.	cq.b.uc.	*
Tynemouth ...	997.7	41	NW	2	omp	994.1	?	36	-5	W	3	-	bcm	3	3	48	33	cmp	omp	bcmp.pcm	*
Spurn Head ...	996.6	47	W	4	o	995.2	0	39	-3	WNW	5	-	bcq	5	3	50	35	cm	cm.or	cq	*
Yarmouth (Gorleston)	1000.0	46	WSW	3	o	997.4	+1	34	-3	W	2	-	bc	2	-	50	34	cmp cm	om	cm.bcm	0.0
Clacton-on-Sea	1000.7	48	WSW	3	c	999.5	+2	38	-3	W	3	-	bc	3	1	52	37	ocmc3	c3pc3	c.cb.bc.	0.2
Nottingham ...	999.3	47	W	3	o	998.4	*	35	-3	W	2	-	bm	*	0.1	50	32	odm	op.c	b.c	0.5

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Monday, 13th October, 1919

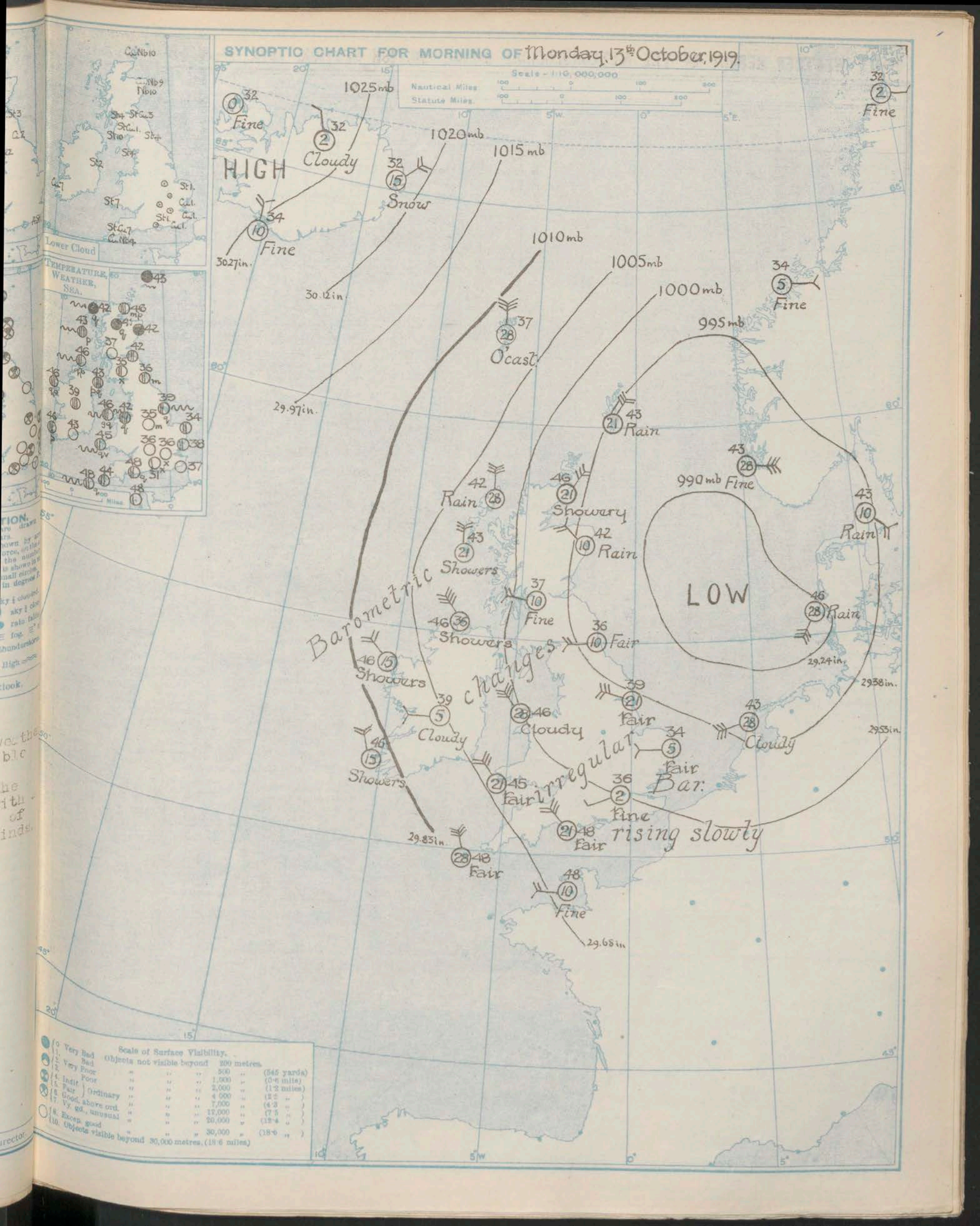
Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	W-NW. 5-15	V.cold	Fair to fine, hoar frost.	Good	Mod.
2. E. England	W. 5-10	"	Fair to fine, local mist.	"	Slight
3. E. Midlands	W. 2-5	"	Fine	"	–
4. W. Midlands	W-NW. 5-10	Cold	Fair to fine	"	–
5. S.W. England	NW. 15-25	"	Fair, squally.	Ord.	Slight
6. South Wales	NW. 20-25	"	Fair, squally.	V.Good	R.Rough.
7. North Wales	NW. 25-30	"	Cloudy to dull, squally.	Good	"
8. N.W. England	NW. 25-30	R.cold	Cloudy to dull, squally.	"	"
9. N. Midlands	W-NW. 5-15	Cold	Fair to cloudy, local mist.	Ord.	–
10. N.E. England	W-NW. 15-25	"	Fair to fine, squally.	"	Mod.
11. E. Scotland	NW-N. 15-25	R.cold	Fair to dull, local rain, squally.	Good	Slight
12. S.W. Scotland	NW-N. 15-25	"	Fair to cloudy.	Ord.	Mod.
13. Isle of Man	NW. 15-20	"	Cloudy to dull, squally.	–	"
14. N.&N.W. Scotland	N-NE. 15-25	"	Cloudy to dull, showery.	Ord.	R.rough
15. Hebrides	N. 25-30	"	Dull, showers, squally.	"	"
16. Orkneys and Shetlands	NE. 25-30	"	Dull, rain, misty.	"	Rough
17. N.W. Ireland	NW. 20-30	"	Cloudy, showers, squally.	"	R.rough
18. N.E. Ireland	NW. 15-20	"	Cloudy to dull, showers, squally.	"	Mod.
19. S.E. Ireland	W-NW. 10-15	Cold	Fair to cloudy	Good	"
20. S.W. Ireland	NW. 15-20	R.cold	Cloudy, showery.	V.good	Slight



EXPLANATION.
BAROMETER.—Isobars are drawn at 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. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 9 a.m. A depression centred over the North Sea is moving away eastward. Minor irregularities of pressure will probably maintain unsettled weather generally in its rear.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Monday, 13th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Moderate W'ly. breezes freshening from between W. and N. Becoming cloudy or dull with rain or hail showers. Squally. Rather low temperature.	Generally unsettled weather seems probable beyond the period of the forecasts with continuance of N. or NW. winds.
5. S.W. England 6. South Wales 7. North Wales	Fresh or strong NW'ly. winds, high in exposed places. Cloudy or dull, some rain at times or hail showers, fairer intervals. Squally. Temperature rather low.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Fresh or strong N. to NE. winds, high in exposed places. Cloudy or dull, some rain at times or hail showers, fairer intervals. Squally. Temperature rather low.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh or strong winds between W. and N. Cloudy or dull, some showers of rain or hail, fairer intervals. Squally. Temperature rather low.	


SYNOPTIC CHART FOR MORNING OF Monday, 13th October, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
HIGH
LOW
Barometric changes irregular
Bar. rising slowly
1025mb
1020mb
1015mb
1010mb
1005mb
1000mb
995mb
990mb
30.27in.
30.12in.
29.97in.
29.83in.
29.68in.
29.24in.
29.38in.
29.53in.
Fine
Cloudy
Snow
Ocast.
Rain
Showers
Showery
Fair
Lower Cloud
Temperature, Weather, Sea.
Scale of Surface Visibility.
0. Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
9. Objects visible beyond 30,000 metres. (18·6 miles)
Objects not visible beyond 200 metres.
500 (545 yards)
1,000 (0·6 miles)
2,000 (1·2 miles)
4,000 (2·5)
7,000 (4·3)
12,000 (7·5)
20,000 (12·4)
30,000 (18·6)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 286 B { Monday 13th October

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 12th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 11th	Rainfall. Day. 9h-18h. 12th	Sunshine.	Sunshine. Sunrise to Sunset 12th
Scotland.	Oban								
	Banff	or	cp	43	37	3	1	*	0·1
	Montrose								
	St. Andrews ...								
England, N.E.	Harrogate	bc.b	c.ohrp	51	38	1	2	*	3·3
	Skegness								
England, E.	Felixstowe	bcm	ond	52	36	-	1	*	0·2
	Walton-on-Naze...								
	Southend-on-Sea...	o	op	52	37	-	0·4	*	0·3
England, S.E.	Margate								
	Ramsgate								
	Folkestone	c.o	r.o	55	?	-	0·3	*	0·8
	Hastings								
	Eastbourne... ...	or.o	or.o.c	55	33	-	trace	*	0·0
	Brighton	om.o	ocp.o	54	32	-	2	*	0·0
	Worthing	o	r.o	54	37	-	0·2	*	0·0
	Littlehampton ...	*	*	54	?	-	1	*	0·1
	Bournemouth ...	*	*	54	31	-	1	*	0·0
	Tunbridge Wells ...	o	o.b	52	28	-	-	*	0·0
England, N.W.	Douglas (I.O.M.)								
	Blackpool								
	Southport	op.c.bc	bc.o.bc	50	38	2	1	*	1·9
Midlands.	Buxton								
	Leamington Spa...	c.br	c.br	52	35	-	4	*	1·2
	Malvern								
	Ross-on-Wye ...	or.c	or.c.bc	53	32	0·1	3	*	0·5
Wales.	Rhyl	*	pcq	53	34	1	1	*	0·8
	Colwyn Bay ...	*	*	52	39	1	-	*	1·7
	Llandudno	op	c	54	39	1	0·1	*	1·5
	Aberystwyth ...								
England, S.W.	Weymouth								
	Teignmouth ...								
	Torquay	o	o.bc.cop	57	42	1	1	*	1·0
	Paignton								
	Penzance	orc	cp	58	46	2	1	*	0·9
	Newquay	op	op.bc	55	41	0·2	4	*	0·4
	Bude								
	Ilfracombe								
	Weston-s-Mare ...								

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 12th	Weather 13h-18h 12th	Weather 18h 12th-1h 13th	Weather 1h-7h 13th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	pnh,	ps.rs,	rh, q	r2 q	41	37	*	*	*	*
Eskdalemuir	cn.c.o	o.or	orsq.bq.bc	cx.bcx	47	31	28	1	1	1·1
†Stranraer	qv	p,v	b.bc	opo	50	40	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahireiveen) ...	o.cp	bc.co	bc.cpq.		55	44	41	-	3	2·3
†Anglesey (Llangefni) ...	cn	r.o	r.q				*	*	*	*
Falmouth	opbc.c	c.bc.cp	c.bc.op	bc	57	43	39	2	-	0·5
†Calshot (Hants)	b.o	od.		o	55	37	*	*	*	*
†Capel (Folkestone)... ...	c3	qpi	qom.	(1).b.bc.	52	?38	*	*	*	*
Aberdeen	opq	cp.bc	bc.p.or		44	35	32	1	7	0·0
†East Fortune	c	p2	q.bc.c	c.oq.	47	35	*	*	*	*
†Flamborough Head.. ...	c.of2	r		b.bc v	52	32	*	*	*	*
†Felixstowe	c03	or	r of1	b.bcq	52	38	*	*	*	*
†Cranwell (Lincs) ...	r.o	p.bc.c	bc.c.b.	r.x.	50	30	*	*	*	*
†Bedford	om, pd.	b.bc3	bc.c3w	b.bcw	50	33	*	*	*	*
Benson	or.	o.bc.	p.bcx.b		50	34	24	2	0·1	*
London (Kew Obsy.) ...	omx.cm.orw	omw.orw	b.bx		50	33	27	1	1	0·0

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora — Solar halo
Rime — Lunar halo
Glazed frost — Solar corona
Glazed roads — Lunar corona

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. Yesterday.	Humidity % 9 h. G.M.T. To-day.
	24 HOURS ENDED 9h G.M.T.									
Greenwich (Royal Observatory)	c.od	od.	o.b.m	52	35	27	1	0·2	93	77
City (Bushill Row)	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James's Park)	*	*	*	51	36	29	2	0·0	93	81
" (Admiralty Arch	bcm.omr.	om	om.b.bm	51	37	*	2	0·0	?	77
Camden Sq. (British Rainfall)	-	-	*	50	35	32	1	0·0	?	82
Kensington Palace	or.	o	*	50	35	30	2	*	-	78

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ...316... Joules.

Milliwatts.

Average Rate. 8·1

Maximum Rate. 34.

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

13th & 14th October ..... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	6.17 / 6.19	11.39 / 11.39	5.1 / 4.59
Greenwich	6.22 / 6.24	11.46 / 11.46	5.10 / 5.8
Wick ...	6.46 / 6.48	11.58 / 11.58	5.41 / 5.39
Valencia ...	7.4 / 7.6	12.27 / 12.27	5.48

NOTES ON THE WEATHER OF YESTERDAY.

The depression which moved southeast from the north of Scotland maintained North-Westerly winds and low temperatures generally with rain or showers in all districts. The largest rainfall amounts were measured in the north of Scotland; 10 mm. fell at Stornoway. Hail showers were experienced at some stations in Scotland and Ireland. At Scilly 6.5 hours of sunshine were recorded. At other stations the sunshine amounts were poor.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21,155.B (4) ..TUESDAY, 14TH OCTOBER, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H. G.M.T. 13TH													
†Houton B. (Orkney)	1001·9	+2	NE	6	cq	43	75	6	3-4000	St Cu	5	Ci	3	5
Eskdalemuir ...	997·9	+3	N	5	ors pq	41	87	7	-	N6	6	a St	4	*
†Stranraer ...	1000·0	0	NNW	5	bcq	51	92	8	1½-2000	Cu	4	Ci St	1	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1011·4	+1	NNW	5	b	51	65	10	3-4000	Cu.	3	-	-	4
†Anglesey (Llangefni)	1000·6	0	NNW	6	o	47	75	8	1½-2000	Cu N6	10	-	-	6
Falmouth ...	1007·6	+1	NW	6	bcqy	51	56	7	-	Cu N6	6	-	-	*
†Calshot (Hants) ...	1002·7	0	WNW	4	o	50	75	8	3-4000	Cu	8	-	-	4
†Capel (Folkestone)	1000·0	-1	W	4	c	47	65	7	5-7000	Cu	5	-	-	3
Aberdeen ...	998·5	+6	N	4	bc	48	65	8	-	Cu N6	5	-	-	4
†East Fortune ...	997·7	+6	NNE	5	c	46	82	7	2-3000	St Cu	5	a St	2	*
†Flamborough Hd	994·9	-1	W	4	o	45	65	8	2-3000	St Cu	7	Ci St	2	*
†Felixstowe ...	1000·0	-2	WNW	4	c	50	65	5	4-5000	Tr Cu	4	a St	3	4
†Cranwell (Lincs)	997·2	-2	WSW	5	bc	46	57	7	2-3000	St	4	a St	2	*
†Bedford ...	999·5	-2	WSW	4	oq	48	55	3	4-5000	St	10	-	-	*
Benson	1000·4	-2	W	3	c	48	65	7	*	*	*	*	*	*
London (Kew Ob.)	1000·4	-3	WSW	4	bc	49	65	7	3-4000	Cu	5	-	-	*
	1H. G.M.T. OF 14TH													
Houton B. (Orkney)	1003·3	+1	NNE	3	c	35	98	5	1-1500	Cu N6	6	Ci St	2	3
Eskdalemuir ...	1004·4	0	-	0	or	35	92	6	-	St	10	-	-	*
†Stranraer ...	1004·9	0	-	0	orf	38	98	-	½-2000	St	9	-	-	*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1013·8	0	NNE	2	bcp	49	*	*	*	*	*	*	*	*
†Anglesey (Llangefni)	1006·6	+4	NNW	3	o	45	82	-	½-1000	St	10	-	-	6
Falmouth ...	1011·6	+2	NW	3	b	44	75	7	-	Cu N6	2	-	-	*
†Calshot (Hants) ...	1009·1	+3	WNW	1	b	43	98	4	-	-	-	-	-	4
†Capel (Folkestone)	1004·0	0	NW	3	of	39	92	4	5-7000	St Cu	10	-	-	*
§Aberdeen ...	1001·4	+1	NW	2	or	36	98	5	1-1500	N6	10	-	-	*
†East Fortune ...	1003·7	+1	N	2	o	41	82	-	4-5000	St Cu	7	a St	2	*
†Flamborough Hd	1002·7	+6	NW	3	bc	39	87	6	3-4000	St Cu	3	a St	2	*
†Felixstowe ...	1005·9	+5	NW	4	c	43	87	5	2-3000	St	7	-	-	5
†Cranwell (Lincs)	1005·5	+3	W	1	o	36	98	3	1½-2000	St	6	a St	3	*
†Bedford ...	1006·5	+4	SW	1	bcw	36	98	-	1½-2000	-	-	Ci	5	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1m.)	1007·2	+4	WNW	2	b	39	*	*	*	*	*	*	*	*

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF 13TH													
†Houton B. (Orkney)	1002·4	-1	NNE	4	o	37	92	5	2-3000	St Cu	6	a St	3	3
Eskdalemuir ...	1002·2	+4	N	1	o	39	87	6	-	Cu N6	8	a Cu	1	*
†Stranraer ...	1003·3	+1	-	0	o	44	98	4	1-1500	St	9	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1012·2	+1	NW	4	bc	48	75	10	2-3000	Cu	4	-	-	4
†Anglesey (Llangefni)	1002·1	+4	N	1	o	46	75	6	1-1500	St	10	-	-	6
Falmouth ...	1008·6	+2	NNW	5	cpq	44	75	6	-	Cu N6	7	-	-	*
†Calshot (Hants) ...	1005·2	+6	WNW	2	b	47	82	7	-	-	0	-	0	4
†Capel (Folkestone)	1001·9	+1	NW	6	o	42	98	8	2-3000	St Cu	10	-	-	5
Aberdeen ...	1000·8	+3	NNW	3	b	41	82	7	-	Cu N6	1	Ci Cu	1	4
†East Fortune ...	1001·8	+5	N	3	o	45	75	5	4-5000	St Cu	4	a St	5	*
†Flamborough Hd	999·6	+5	NNW	7	c	47	65	7	2-3000	St Cu	6	a St	2	*
†Felixstowe ...	1000·2	+1	WNW	4	c	43	82	-	4-5000	St	5	-	-	5
†Cranwell (Lincs)	999·2	+4	NW	2	c	42	98	5	2-3000	St	5	a St	2	*
†Bedford ...	1000·5	0	W	2	oq	46	82	3	3-4000	St	10	-	-	*
Benson	1001·9	-2	W	1	o	41	92	8	-	Cu	6	-	-	*
London (Kew Ob.)	1002·0	-3	W	3	bm	42	87	4	3-4000	Cu	1	a Cu	1	*
	7H. G.M.T. OF 14TH													
Houton B. (Orkney)	1004·1	+2	N	3	bcq	35	98	6	1-1500	St	8	a Cu	2	3
Eskdalemuir ...	1005·9	+2	-	0	c	31	92	6	-	St	2	Ci St	6	*
†Stranraer ...	1006·9	+2	-	0	c	27	98	6	3-4000	Cu	6	Ci St	1	*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1014·5	+1	NW	4	cp	46	82	-	2-3000	Cu	6	7 Ci	2	3
†Anglesey (Llangefni)	1008·0	+2	WNW	2	h	42	87	8	1½-2000	St Cu	7	a St	1	4
Falmouth ...	1012·6	+1	WNW	3	bc	44	82	6	-	Cu N6	2	-	-	*
†Calshot (Hants) ...	1008·1	0	WNW	2	b	45	75	4	-	-	-	-	-	3
†Capel (Folkestone)	?	+3	W	2	f	43	92	2	-	-	-	a Cu	1	2
§Aberdeen ...	1004·0	+2	WNW	2	r	36	98	6	-	Cu N6	8	-	-	3
†East Fortune ...	1004·7	+2	WNW	2	c	40	82	7	2-3000	St Cu	8	-	-	*
†Flamborough Hd	1004·0	0	W	2	o	38	87	5	2-3000	St	10	-	-	*
†Felixstowe ...	1006·8	+1	W	2	c.o	42	98	2	2-3000	St	10	-	-	4
†Cranwell (Lincs)	1005·5	0	WSW	2	o	41	98	5	2-3000	St	10	-	-	*
†Bedford ...	1006·7	0	WSW	3	c	39	92	1	2-3000	St	2	-	-	*
Benson	1007·3	+2	WSW	1	c	34	98	5	-	St Cu	7	-	-	*
London ... ... (M.O. at 1m.)	1007·8	0	SW	1	bc DK	38	98	4	4-5000	St Cu	3	Ci Cu	2	*

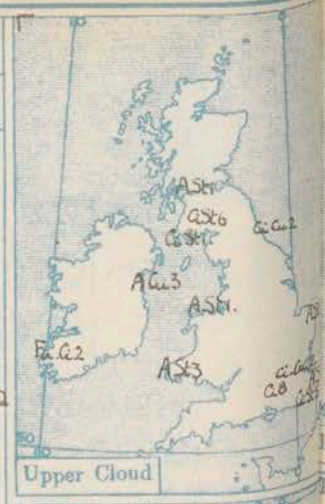
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 13TH					**7H. G.M.T. of 14TH**									**24 HOURS ENDED 7H. 14TH**						**13TH**
Lerwick ...	1001·9	41	N	5	o	1002·4	+1	40	-3	NW	3	-	om	1	2	46	36	cm	omhq	omr	*
Stornoway ...	1005·2	40	N	2	bc	1007·5	+2	37	-5	N	2	-	bc	1	6	48	36	bc	bc	bcph	2·9
Castlebay (Barra Is)	1006·7	44	N	4	o	1008·8	+2	41	-2	N	3	-	c	3	5	50	38	opc	cbco	bch.bc	5·4
Glasgow ...	1003·5	44	NW	2	o	1006·0	+3	38	+1	W	1	N	b	*	0·2	51	32	c	co	o.cp.bx	3·8
Malin Head ...	1005·7	46	N	5	cmq	?	0	45	-1	NW	5	NW	bcqp	5	5	52	40	bcpq	bcpq	cqp	4·0
Blacksod Point	1010·7	48	NW	3	bc	1011·3	+1	44	-2	NW	3	-	cp	-	4	-	-	bcp	bc	bcp.cp	*
Roche's Point ...	1010·3	48	NW	3	bc	1013·4	+1	43	0	WNW	2	-	o	1	1	52	42	bbcc	cpb.	b.o	*
Birr Castle ...	1008·9	42	W	2	c	1012·0	*	40	+1	W	2	W	c	*	0·1	51	38	cp	cp	c	8·0
Donaghadee ...	1003·8	50	NW	3	cq	1008·3	+1	37	-6	WNW	3	-	c	2	5	51	31	cq	bcq	cqp	*
Liverpool (Bidston)	1001·9	47	NNW	3	bc	1005·2	+1	41	-1	WNW	6	-	bc	4	8	50	40	c.o	bc	orhlb	3·3
Holyhead ...	1003·1	50	NNW	5	bc	1007·3	+1	45	-1	NW	6	M	cq	5	1	51	44	cqq	cpq	cbcpl.	3·7
Pembroke (St. Ann's Head)	1006·1	49	NW	5	cqv	1010·7	+1	46	+1	NW	4	-	oqv	5	-	50	45	bcq	cqv	cqv	6·8
Scilly (St. Mary's)	1009·2	47	NW	4	c	1013·9	+1	48	0	NW	4	NW	bc	4	2	58	45	bcp	bcpq	bcph	8·1
Jersey (St. Aubin)	1007·1	52	WNW	5	bc	1012·0	+1	51	+3	WNW	4	-	b	3	3	55	45	bcbop	opbcb	qphb	8·0
Portland Bill ...	1004·1	50	NW	5	bcq	1008·9	+2	50	+2	WNW	5	NW	cq	5	-	53	46	bcq	bcq	bcq	*
Dungeness ...	1001·2	49	W	4	bc	1007·8	+1	37	0	W	3	W	b	3	-	50	35	bc	cbc	c.b bc	*
Wick	1001·8	40	NNW	3	opm	1004·1	+1	35	-11	NW	2	-	omp	2	2	47	33	copm	c.opm	omp.bc	*
Nairn ...	1002·6	42	N	3	c	1005·3	*	35	-6	W	1	-	bc	2	5	47	34	cmq	cq	pcqx	0·2
Leith	1001·8	46	NW	3	o	1004·6	+1	38	-4	W	1	NW	c	2	2	49	37	cw.or.o	o.cqr.o	qr.cu.c	*
Tynemouth ...	998·2	48	N	6	bc	1003·4	+1	39	+3	WNW	2	-	omp	4	3	49	35	opmq	bcpq	omq	*
Spurn Head ...	998·0	44	N	6	cq	1004·2	0	40	+1	NW	4	-	r	5	3	47	39	cq	bc	oqr.or	*
Yarmouth (Gorleston)	998·3	43	WNW	3	bc	1005·1	+1	37	+3	W	3	-	ogmw	3	-	50	34	bcbcq	bcpm	bqp.cb	8·1
Clacton-on-Sea	1000·0	42	W	4	bc	1006·7	+2	41	+3	WSW	3	-	omq	2	0·2	51	37	bc	bcop	bcom	6·7
Nottingham ...	1000·1	45	NW	4	c	1005·0	*	42	+7	W	2	W	om	*	1	48	34	c.op	bcp	c.bc	3·5

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1h.

SUMMARY OF CONDITIONS AT 7 A.M. Tuesday, 14th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	W. 5-15	Cold	Fine to cloudy, local mist.	Var.	Slight
2. E. England	W. 5-10	"	Dull, some mist and slight rain.	Poor	"
3. E. Midlands	W. 0-5	"	Dull, some mist.	Ord.	–
4. W. Midlands	W-NW. 5-15	"	Variable cloud.	"	–
5. S.W. England	NW. 10-20	R.cold	Fine to cloudy.	Good	Mod.
6. South Wales	NW. 15-20	"	Dull, squally.	"	R. rough
7. North Wales	NW. 20-30	"	Fair or cloudy, some hail	"	"
8. N.W. England	N-W. 15-25	"	Fair or fine.	"	Mod.
9. N. Midlands	N-W. 5-15	Cold	Dull, local mist.	Var.	–
10. N.E. England	N-W. 5-15	"	Dull, some showers and mist.	Fair	Mod.
11. E. Scotland	N-NW. 5-20	"	Dull, some rain and hail.	Good	Slight
12. S.W. Scotland	W-N. 0-5	"	Fine to cloudy.	"	"
13. Isle of Man	NW. 10-15	R.cold	Fair	"	Mod.
14. N.&N.W. Scotland	N. 5-10	Cold	Fair to overcast, passing showers.	Ord.	Smooth
15. Hebrides	N. 5-10	"	Fair.	"	"
16. Orkneys and Shetlands	N-NW. 10-15	"	Overcast, squally, some rain and mist.	Var.	"
17. N.W. Ireland	NW. 10-20	R.cold	Fair or cloudy, passing showers.	Good	R.rough
18. N.E. Ireland	NW. 5-20	Cold	Fair, local mist.	Var.	Slight
19. S.E. Ireland	W-NW. 0-5	"	Dull.	Good	Smooth
20 S.W. Ireland	NW. 10-15	R.cold	Dull, passing showers.	V.good	Slight

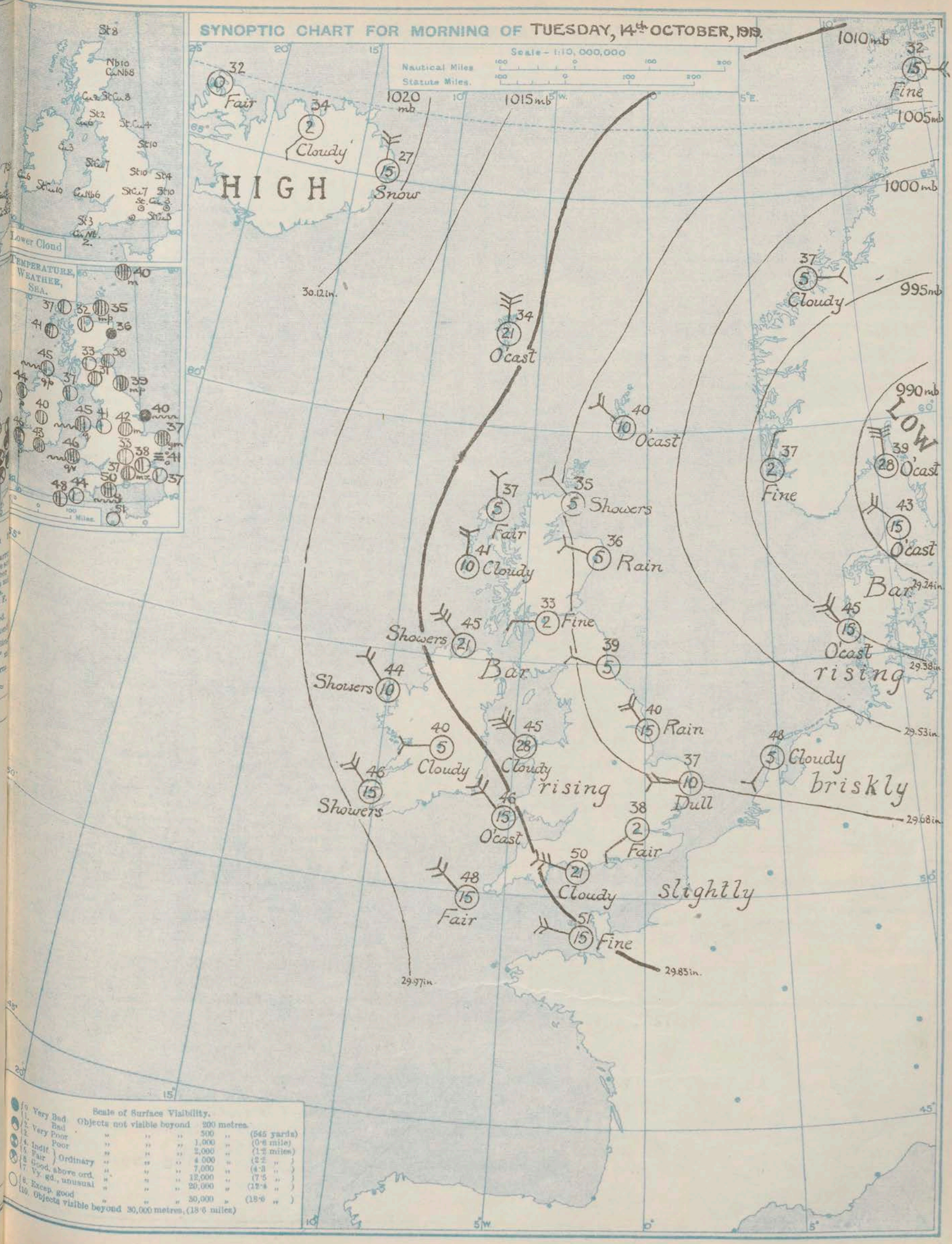


EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—Rough. High.

GENERAL INFERENCE from observations received up to 9 a.m.

The barometer is rising slowly over the British Isles in the rear of the depression which has passed away eastward and is now centred over Scandinavia. Winds between W. and N. will be accompanied by showers and considerable bright intervals in most districts.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 14th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands 5. S.W. England	Moderate Wly. or NWly. breezes. Occasional showers. Considerable bright intervals. Rather cold.	None issued
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind between NW. and N. moderate or fresh. Considerable bright intervals, occasional showers of rain or perhaps hail, squally. Rather cold.	
10. N.E. England 11. E. Scotland	Wind between NW. and N. moderate or fresh. Cloudy with brighter intervals, some showers of rain, sleet or hail, squally. Rather cold.	
12. S.W. Scotland 13. Isle of Man	Same as for 6-9	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Same as for 11	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as for 1-4	


SYNOPTIC CHART FOR MORNING OF TUESDAY, 14th OCTOBER, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles.
HIGH
LOW
Bar rising briskly
Bar rising slightly
1010 mb
1005 mb
1000 mb
995 mb
990 mb
1020 mb
1015 mb
30.12 in.
29.97 in.
29.85 in.
29.68 in.
29.53 in.
29.38 in.
29.24 in.
Fair
Cloudy
Snow
O'cast
Showers
Rain
Fine
Dull
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
0. Very Bad. Objects not visible beyond 200 metres.
1. Bad " " " 500 " (545 yards)
2. Very Poor " " " 1,000 " (0·6 mile)
3. Poor " " " 2,000 " (1·2 miles)
4. Indif. " " " 4,000 " (2·4 ")
5. Fair } Ordinary " " " 7,000 " (4·3 ")
6. Good, above ord. " " " 12,000 " (7·5 ")
7. Vy. gd., unusual " " " 20,000 " (12·4 ")
8. Excep. good " " " 30,000 " (18·6 ")
10. Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 287 B

Tuesday 14th October, 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR ...13th.....

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. ...12th	Rainfall. Day. 9h-17h. ...13th	Sunshine.	Sunshine. Sunrise to Sunset. ...13th
Scotland, N.	Oban	bc c o	o	51	35	-	-	*	3·8
	Banff	bcp	bc. cp	50	38	6	1	*	3·0
	Montrose	or	bc. o	50	37	2	1	*	2·9
	St. Andrews ...	o	o	50	35	1	3	*	1·4
England, N.E.	Scarborough ...	*	*	48	33	3	1	*	4·6
	Harrogate	b bcc	c or	47	31	3	1	*	3·9
	Skegness	b bc o	b bc or	48	31	-	-	*	6·6
England, E.	Felixstowe	bcq	bcq	51	37	1	-	*	8·3
	Walton-on-Naze...								
	Southend-on-Sea...	bm	b bcp	51	35	0·1	0·4	*	7·7
England, S.E.	Margate	b	c fe c	53	41	1	-	*	8·0
	Ramsgate	bc	o ru	53	36	2	-	*	8·7
	Folkestone	o. b	bc c oe	55	38	1	trace	*	8·6
	Hastings								
	Eastbourne	bc	bc	52	40	3	-	*	8·7
	Brighton	b bce	c	53	39	1	-	*	9·3
	Worthing	by b	b bc	54	35	1	-	*	9·6
	Littlehampton ...	bc	bc	52	46	0·3	-	*	9·2
	Bournemouth ...	*	*	52	37	3	-	*	8·7
	Tunbridge Wells ...	b	b bc op	52	35	-	1	*	7·6
England, N.W.	Douglas (I.O.M.)								
	Blackpool	or	cp	51	41	2	1	*	3·7
	Southport	c bc	bc or	50	?	4	0·3	*	2·8
Midlands.	Buxton	cr c bc	bcr. cr	44	32	4	2	*	2·8
	Leamington Spa...	bcp	bcp	49	34	-	4	*	5·7
	Malvern	b. bc	bc o	51	36	-	2	*	7·5
	Ross-on-Wye ...	c. bc	bcp	53	36	-	-	*	7·6
Wales.	Rhyl	cp bc	bcp	50	42	3	4	*	2·1
	Colwyn Bay ...	*	*	50	39	8	4	*	1·8
	Llandudno	orh	orh	51	38	8	4	*	0·9
	Aberystwyth ...	or c	b bc	50	?38	*	*	*	4·3
England, S.W.	Weymouth	b. bc	bcp bc	53	40	-	0·1	*	9·0
	Teignmouth ...	b bcp	bcp	53	41	-	1	*	7·5
	Torquay	b bcp	b bcp	52	41	-	1	*	7·3
	Paignton	b bcp	b	55	39	0·3	trace	*	8·1
	Penzance	bc	bcp	54	46	0·3	0·1	*	7·8
	Newquay	bcp b	b bc	51	45	1	0·2	*	6·7
	Bude	bcp	bcp	57	44	0·1	2	*	6·7
	Ilfracombe	cpq	cpq	52	47	1	1	*	4·7
	Weston-s-Mare ...	bc	bcp	53	43	-	-	*	8·0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-18h 13th	Weather 13h-18h 13th	Weather 18h 13th-1h 14th	Weather 1h-7h 14th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	K p	q T,	bc c W	prs, s,	~~38~~ 44	34	*	*	*	*
Eskdalemuir	c orsq	rspq	o or	ors. pc	43	31	2.5	5	2	1·7
†Stranraer	v q	c	cp	s o	51	36	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen) ...	cp b bc	b bcp	bc. cpq		51	44	37	1	2	7·8
†Anglesey (Llangefni) ...	oq	q dc o	or	o T	49	40	*	*	*	*
Falmouth	bc hg y	bc cqp	c bcp	bc	54	43	37	1	1	7·5
†Calshot (Hants)	b bc o	b. bc	b	b	52	40	*	*	*	*
†Capel (Folkestone)... ...	cq oq	bc v cv	-	s, b o	-	-	*	*	*	*
Aberdeen	c bcq	c bcp b	bcp		50	35	31	3	3	3·6
†East Fortune	prh q	c oq	pd W	c. o	49	35	*	*	*	*
†Flamborough Head.	bc v cv	q	q W	z, T,	48	37	*	*	*	*
†Felixstowe	bcq cq	b bcq	b oq	o s, o	50	38	*	*	*	*
†Cranwell (Lincs) ...	bcp cp	bc cp	w W	p, c	47	35	*	*	*	*
†Bedford	3 W	pq	s w	b. bc W	50	33	*	*	*	*
Benson	bc c	bcp	o p c x		50	32	24	1	0·3	*
London (Kew Obsy.) ...	bx bw bc	bc cpq bm	bc. bc m x		50	36	25	1	-	7·5

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora — Solar halo ⊕
Rime — Lunar halo ⊗
Glazed frost — Solar corona ⊙
Glazed roads — Lunar corona ⊗

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity %. 15 h. G.M.T.	Humidity %. 9 h. G.M.T.
	24 Hours ended 9h G.M.T. ...							Yesterday.		To-day.
Greenwich (Royal Observatory)	b. bc	bcp	bcm	53	36	26	1	8·1	64	82
City (Bushill Row)	*	*	*	*	*	*	*	6·6.	*	*
Westminster (St. James's Park)	*	*	*	52	37	30	1	7·8	65	86
" (Admiralty Arch	bm bcq	bcp cm*	bcm bmz	52	39	*	1	6·7	74	84
Camden Sq. (British Rainfall)	bc	bc. c. op	*	53	36	33	1	6·3	59	90
Kensington Palace	b. bc	bcp. c	*	51	36	27	1	*	85	92

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total .....705..... Joules.

	Milliwatts.
Average Rate.	22
Maximum Rate.	50

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

14th & 15th October ..... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	6.19	11.39	4.59
	6.21	11.39	4.57
Greenwich	6.24	11.46	5.8
	6.26	11.46	5.6
Wick ...	6.48	11.58	5.8
	6.50	11.58	5.6
Valencia ...	7.6	12.27	5.48
	7.8	12.27	5.46

NOTES ON THE WEATHER OF YESTERDAY.

The North-Westerly type of weather was maintained over the country yesterday. Passing showers of hail or sleet were experienced at many stations. At night lightning was seen at Holyhead, Liverpool and at Yarmouth.

Sunshine records were variable. More than 9 hours were recorded at some stations in the south of England.

At several stations the temperature did not reach 50°F. during the day.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 24,156.B Wednesday, 15th October.....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

13H. G.M.T. 14th

Stations	Barom. at M.S.L. m.b.	† Change in 3 hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	% Humidity	Visibility 0-10	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Cloud Form	Upper Cloud Amt. 0-10	Sea 0-9
†Houton B. (Orkney)	1006.3	-1	N	5	c	41	75	6	3-4000	Cu	5	Ci	2	6
Eskdalemuir ...	1007.9	+2	N	2	c	42	75	6	-	Cu	7	-	-	*
†Stranraer ...	?	+4	NNW	3	bc	48	92	8	2-3000	Cu	3	Ci St	2	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1016.4	+2	N	4	bc	48	75	10	2-3000	Cu	6	-	-	3
†Anglesey (Llangefni)	1009.4	+2	NW	3	oq	45	75	6	1-1500	Nb	9	-	-	6
Falmouth ...	1014.2	+1	WNW	4	o	53	65	7	-	St	10	-	-	*
†Calshot (Hants) ...	1011.1	0	WNW	3	o	51	-	-	3-4000	St Cu	10	-	-	4
†Capel (Folkestone)	1009.0	0	WNW	4	o	49	65	5	2-3000	St Cu	6	A St	4	4
Aberdeen ...	1006.4	+2	NW	5	cpq	40	82	8	-	Cu Nb	7	Fa Ci	1	3
†East Fortune ...	1006.9	+2	NNW	2	bcv	46	65	7	5-7000	Cu Nb	5	-	-	*
†Howden ...	1005.5	+3	NNW	5	ch	40	82	7	1½-2000	Nb	8	-	-	*
†Felixstowe ...	1008.1	+1	NW	4	cq	50	75	7	5-7000	Cu	3	A St	4	4
†Cranwell (Lincs)	1007.0	+1	W	4	c	48	75	6	1½-2000	St	4	Ci	3	*
†Bedford ...	1008.5	+2	W	2	bcr	45	75	5	3-4000	St	3	A Cu	2	*
Benson	1009.0	+2	W	3	c	48	65	7	*	*	*	*	*	*
London (Kew Ob.)	1009.3	+2	WNW	3	cy	50	55	6	2-3000	Nb	4	A St	3	*

18H. G.M.T. OF 14th

Stations	Barom. at M.S.L. m.b.	‡ Change in 3 hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	% Humidity	Visibility 0-10	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Cloud Form	Upper Cloud Amt. 0-10	Sea 0-9
†Houton B. (Orkney)	1007.5	0	NNW	5	or	36	87	4	2-3000	St Cu	9	-	-	4
Eskdalemuir ...	1010.5	+3	NNW	1	bc	32	87	6	-	Fr Cu	6	-	-	*
†Stranraer ...	1010.4	-1	-	0	bcu	42	98	8	2-3000	Cu Nb	3	Ci St	2	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1017.7	+2	N	4	b	48	65	10	2-3000	Cu	3	-	-	3
†Anglesey (Llangefni)	1011.7	+2	NW	2	bc	44	75	8	4-5000	St Cu	3	Ci	1	4
Falmouth ...	1014.8	+1	WNW	2	bv	47	75	8	-	Cu Nb	2	-	-	*
†Calshot (Hants) ...	1013.1	+2	W	1	o	43	98	6	-	-	-	A St	2	4
†Capel (Folkestone)	1011.1	+3	NW	3	c	42	75	5	2-3000	Cu	4	A St	3	3
Aberdeen ...	1008.4	+2	NW	3	cr	38	92	7	-	Cu Nb	8	-	-	3
†East Fortune ...	1009.4	+4	N	2	c	44	75	7	1½-2000	Cu Nb	7	-	-	*
†Howden ...	1007.1	+1	NW	3	c	39	82	7	5-7000	Cu Nb	4	A St	3	*
†Felixstowe ...	1010.6	+3	NW	2	b	44	82	5	3-4000	St	1	-	-	4
†Cranwell (Lincs)	1009.8	+2	WNW	2	bc	47	98	6	2-3000	St	3	A St	1	*
†Bedford ...	1010.4	+2	W	1	bz	40	75	3	2-2500	St	3	-	-	*
Benson	1011.3	+2	NW	2	b	38	82	8	-	Cu	2	-	-	*
London (Kew Ob.)	1011.7	+2	W	1	c	44	75	7	1½-2000	St Cu	7	-	-	*

1H. G.M.T. OF 15th

Stations	Barom. at M.S.L. m.b.	‡ Change in 3 hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	% Humidity	Visibility 0-10	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Cloud Form	Upper Cloud Amt. 0-10	Sea 0-9
†Houton B. (Orkney)	1008.5	+1	NNW	4	cq	36	92	6	2-3000	St Cu	4	Ci St	3	4
Eskdalemuir ...	1012.9	+1	-	0	b	34	75	7	-	-	-	Ci	1	*
†Stranraer ...	1014.4	0	-	0	cl	35	98	-	1-1500	Cu Nb	2	Ci St	5	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1020.9	+2	WNW	2	bc	45	*	*	*	*	*	*	*	*
†Anglesey (Llangefni)	1012.8	+1	NNW	3	b	41	75	-	5-7000	Cu	2	A St	1	5
Falmouth ...	1017.1	+1	NW	5	or	41	92	6	-	Cu Nb	9	-	-	*
†Calshot (Hants) ...	1014.8	+1	NW	1	o	38	92	5	4-5000	St Cu	9	-	-	3
†Capel (Folkestone)	1013.3	+1	WNW	3	o	37	82	6	-	-	-	A St	9	3
§Aberdeen ...	1007.8	+2	NW	3	o	34	98	4	½-1000	Nb	10	-	-	*
†East Fortune ...														*
†Howden ...	1019.6	+2	NW	3	b	39	92	7	5-7000	Nb	2	A St	1	*
†Felixstowe ...	1012.5	0	NNW	3	b	37	98	-	4-5000	St Cu	8	-	-	4
†Cranwell (Lincs)	1012.5	+2	W	2	b	31	98	3	-	-	-	A St	2	*
†Bedford ...	1012.8	+4	W	1	bx	32	92	-	2-3000	-	-	Ci	3	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (M.O. at 1h.)	1012.9	+1	-	0	bc	38	*	*	*	*	*	*	*	*

7H. G.M.T. OF 15th

Stations	Barom. at M.S.L. m.b.	‡ Change in 3 hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	% Humidity	Visibility 0-10	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Cloud Form	Upper Cloud Amt. 0-10	Sea 0-9
†Houton B. (Orkney)	1008.2	0	N	5	rs	35	92	?	1½-2000	C. Nb	6	A. Cu	3	?
Eskdalemuir ...	1012.4	0	WNW	4	bcx	33	87	7	2-3000	St.	1	Ci. S.	5	*
†Stranraer ...	1013.9	+1	NNW	2	r.f	41	97	5	1½-2000	St.	9	-	-	*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1023.0	+3	NW	4	r.	47	82	9	2-3000	Cu	9	-	-	3
†Anglesey (Llangefni)														
Falmouth ...	1019.3	+2	NW	3	bc	43	75	6	-	C. Nb	1	A. Cu	3	*
†Calshot (Hants) ...														
†Capel (Folkestone)	1014.1	+1	NNW	4	b.w	35	75	3	-	-	-	A. St	2	4
§Aberdeen ...	1009.2	0	WNW	3	r.	37	?	7	-	Cu. N	4	-	-	3
†East Fortune ...														*
†Howden ...	1010.8	0	WNW	4	r	39	82	8	5-7000	S. Cu	4	A Cu	3	*
†Felixstowe ...	1013.2	+2	NNW	4	bz.	34	97	2	-	-	-	-	-	3
†Cranwell (Lincs)														*
†Bedford ...	1014.7	+2	W	2	bw	33	92	-	-	-	-	Ci	2	*
Benson	1014.6	+3	-	0	bx	28	97	6	-	Cu	2	-	-	*
London (M.O. at 1h.)	1014.9	+2	W	1	bmx	33	87	4	2-3000	S. Cu	1	Ci	1	*

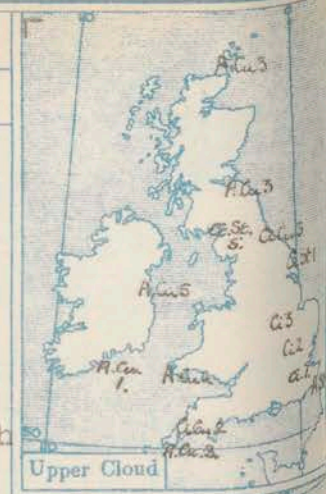
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

Stations	18h. G.M.T. of 14th: Barom. at M.S.L. m.b.	Temp. °F.	Wind Direc.	Wind Force 0-12	Weather	7h. G.M.T. of 15th: Barometer at M.S.L. m.b.	‡ Change in 3 hours	Temperature Temp. °F.	Change in 24 hours	Wind Direc.	Wind Force 0-12	Direc. of Upper Cloud	Weather	Sea 0-9	24 hours ended 7h. 15th: Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather Morning	Weather Afternoon	Weather Night	Sunshine Hours (14th)
Lerwick ...	1005.2	38	NNW	3	om	1006.5	+1	38	-2	NNW	3	-	om	3	2	43	35	rhp	rhp	omp.	*
Stornoway ...	1012.5	38	NW	3	cp	1013.7	+3	36	-1	NW	4	-	op	3	7	45	30	bcp	bc cp	or. op	3.4
Castlebay (Barra Is)	1015.9	42	NNW	4	b	1016.2	0	44	0	N	4	N	op	4	4	47	38	bcp bc	o c b	b. op. bc	6.1
Glasgow ...	1011.4	40	N	1	o	1012.9	+1	37	-1	W	3	N	bc	*	-	48	32	bc cv	c o	b bc ox	7.0
Malin Head ...	1011.8	45	NNW	4	bc	1014.6	0	45	0	NNW	4	N	cq	4	3	48	39	bcp	bc	cq.p	6.7
Blacksod Point	1015.8	44	NW	2	bcp	1014.8	+3	47	+3	NW	2	W	bc	?	3	?	?	bcp	bcp	bc.p.bc	*
Roche's Point...	1015.8	45	NW	4 3	b	1021.4	+3	40	-3	WNW	3	NW	b	1	0.3	52	39	op c	c bc b	b	*
Birr Castle ...	1016.2	38	W	2	c	1020.1	*	35	-5	W	1	W	c	*	0.1	50	31	c	cp	bx.c	6.8
Donaghadee ...	1011.7	41	NW	4	cpq	1015.4	+1	39	+2	WNW	4	-	bcqp	4	4	49	37	bcpq	bcphq	bcqp	*
Liverpool (Bidston)	1009.4	45	NW	4	c	1014.2	+1	40	-1	WNW	3	-	r	3	8	46	37	prh	c	olr.	2.9
Holyhead ...	1011.3	45	N	5	cp	1015.4	+1	46	+1	NW	6	N	cqg	5	3	49	41	op c	c bc	cphlp	6.9
Pembroke (St. Ann's Head)	1013.4	48	NW	3	cv	1018.1	+2	46	0	NNW	3	N	bcr	4	0.3	49	43	cqx	bcqv	cr. bcr	5.3
Scilly (St. Mary's)	1016.2	48	NNW	3	c	1021.0	+2	47	-1	NNW	5	NW	bc	5	1	53	40	cp	cp	bc	2.1
Jersey (St. Aubin)	1014.2	48	W	3	opq	1016.3	+1	46	-5	WNW	3	-	b	2	12	56	44	b cpq	cpqo	qpb	4.0
Portland Bill ...	1011.3	49	NW	5	cq	1014.8	+2	46	-4	NW	4	NW	c	3	-	53	45	cpq	cpq	bc	*
Dungeness ...	1010.4	45	W	3	bc	1012.6	+1	32	-5	NW	3	-	b	3	-	55	30	bc	c bc	bc.c.b	*
Wick	1006.8	40	NW	3	bc	1008.9	+2	36	+1	NW	2	-	omr	3	4	45	33	om cp	mphm	bc.comp.	*
Nairn	1010.6	38	WNW	1	bc	1010.9	*	36	+1	W	1	-	bc	1	1	42	34	bc cp	c bc	bcp	0.8
Leith	1009.1	43	NW	3	c	1011.4	0	37	-1	W	2	NW	c	2	-	47	35	cu.c bc.	c.bc.bc	c br bc	*
Tynemouth ...	1007.6	41	WNW	2	bmc	1010.9	0	35	-4	W	2	-	bm	2	2	46	32	om	opm	bcm	*
Spurn Head ...	1008.1	42	NNW	4	bc	1011.1	0	39	-1	NW	5	-	bcq	5	1	46	36	c	bc	bc	*
Yarmouth (Gorleston)	1007.9	40	WNW	3	c	1010.7	+1	32	-5	NW	2	-	cmx	2	-	48	31	cqm cp	cm	cm.bx	1.5
Clacton-on-Sea	1010.0	43	W	3	bc	1012.7	+2	32	-9	WNW	2	-	bcmx	2	-	50	31	[illegible]	c bc	b.f.bx	1.0
Nottingham ...	1004.9	42	W	2	b	1012.7	*	31	-11	SW	1	-	bmx	*	-	46	29	[illegible]	bm	b	3.4

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 15th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NW–WNW. 5–10	V.cold	Fine, local mist.	Var.	Slight
2. E. England	NW. 5–10	"	Fine to cloudy.	Poor	"
3. E. Midlands	W–NW. 0–5	"	Fine to cloudy.	Ord.	–
4. W. Midlands	W–NW. 0–10	Cold	Variable cloud.	"	–
5. S.W. England	W–NW. 10–20	R.cold	Fair.	Good	Mod.
6. South Wales	NW. 10	"	Fair	"	"
7. North Wales	NW. 15–25	"	Dull, squally.	"	R.rough
8. N.W. England	W–NW. 5–15	"	Dull, some rain.	Ord.	Mod.
9. N. Midlands	W–NW. 0–10	Cold	Fair	Good	–
10. N.E. England	W–NW. 10–20	"	Fair or fine.	"	Mod.
11. E. Scotland	NW. 5–10	"	Fair to dull, some showers.	Good	Slight
12. S.W. Scotland	W–NW. 5–15	R.cold	Fair to dull, some showers.	Fair	"
13. Isle of Man	NW. 10–15	"	Fair to dull.	Good	"
14. N.&N.W. Scotland	N–W. 5–10	Cold	Dull, some rain.	"	"
15. Hebrides	N–NW. 15	"	Overcast, some showers.	"	Mod
16. Orkneys and Shetlands	N–NW. 10–20	"	Overcast, some mist & sleet.	"	Slight
17. N.W. Ireland	NW. 5–10	R.cold	Fair to cloudy.	"	Mod.
18. N.E. Ireland	W–NW. 15	Cold	Fair, squally, showery.	"	"
19. S.E. Ireland	W. 0–5	"	Dull.	"	Smooth
20. S.W. Ireland	WNW. 10–15	R.cold	Variable cloud, some showers.	"	Slight



EXPLANATION.

BAROMETER.—Isobars are drawn at 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. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in degrees F.

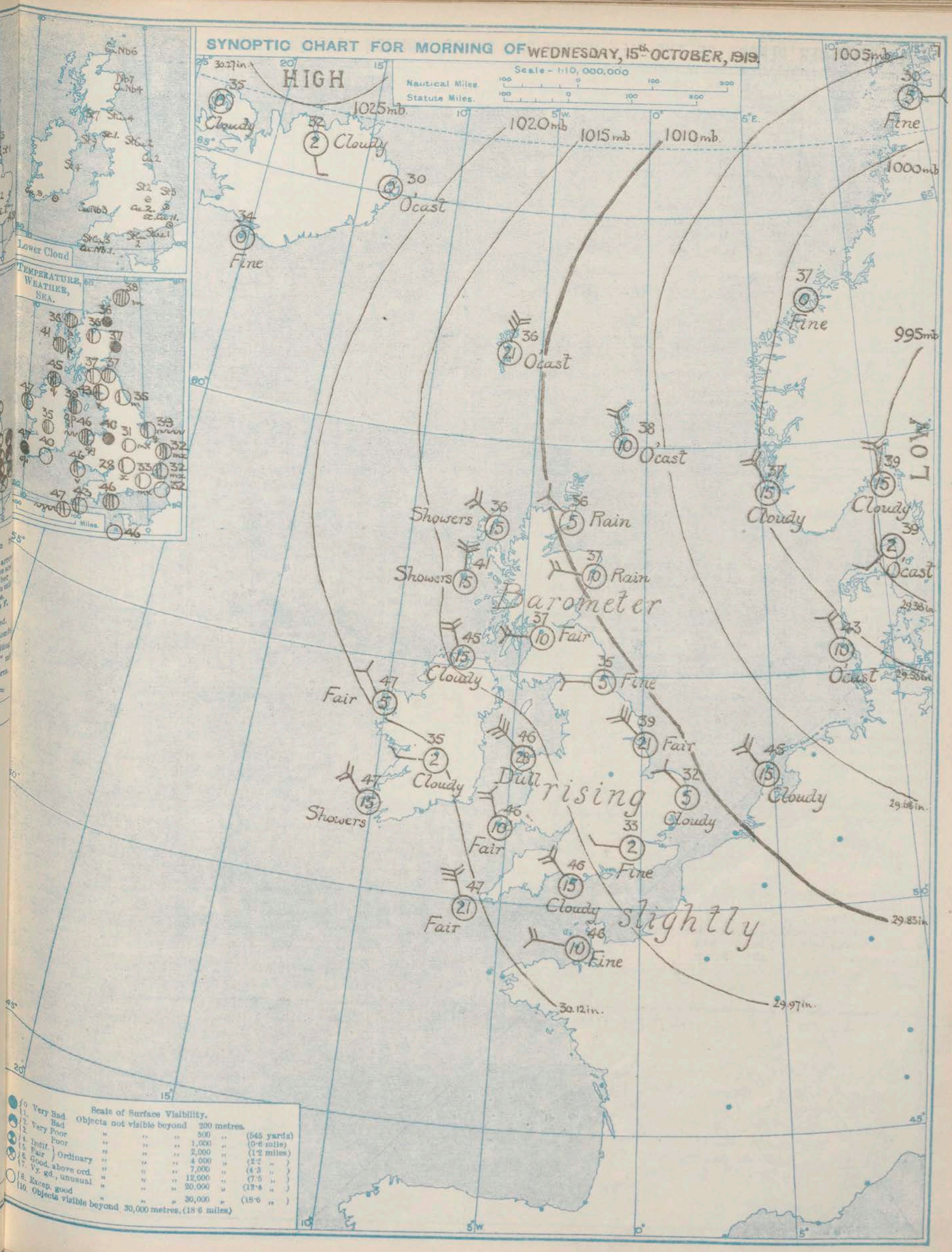
WEATHER SYMBOLS.—clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.

SEA DISTURBANCE.—Rough. High.

GENERAL INFERENCE from observations received up to 9 a.m.

The barometer is rising slowly over the British Isles. Small irregularities of pressure will cause heavy local showers of rain or hail especially in the north.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday, 15th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands 5. S.W. England	Light or moderate Wly. or NWly. breezes. Mainly fair, local showers of rain or hail. Rather cold. Inland frost at night.	There are some indications of a return to a more settled type of weather.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate NW. winds, fresh locally. Heavy local showers of rain or hail with fair or fine intervals. Squally. Rather cold.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Moderate NWly. winds, fresh locally. Cloudy, some showers of rain, hail or sleet. Cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate NWly. breezes. Fair, some local showers. Rather cold.	


SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 15th OCTOBER, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles.
HIGH
1025mb.
1020mb
1015mb
1010mb.
1005mb
1000mb
995mb
LOW
Barometer
Dull
rising
Slightly
30.27in.
30.12in.
29.97in.
29.83in.
29.68in.
29.53in.
29.38in.
Cloudy
Fine
O'cast
Showers
Rain
Fair
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Miles.
Scale of Surface Visibility.
0 Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
Objects not visible beyond 200 metres.
" " " 500 " (545 yards)
" " " 1,000 " (0·6 mile)
" " " 2,000 " (1·2 miles)
" " " 4,000 " (2·4 ")
" " " 7,000 " (4·3 ")
" " " 12,000 " (7·5 ")
" " " 20,000 " (12·4 ")
" " " 30,000 " (18·6 ")
10. Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 288. B

Wednesday 15th October, 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 14th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 13th	Rainfall. Day. 9h-17h. 14th	Sunshine.	Sunshine. Sunrise to Sunset. 14th
Scotland.	Oban	bc b	bc	48	36	-	-	*	5.6
	Banff	c chp	chp	45	37	6	6	*	0.9
	Montrose	bc	bc or	45	37	-	1	*	5.2
	St. Andrews								
England, N.E.	Scarborough	*	*	52	39	3	1	*	0.7
	Harrogate	bc c	bc c	47	34	7	-	*	5.5
	Skegness	ombc	bc bm	46	36	2	-	*	4.4
England, E.	Felixstowe	bcm	bcpq	50	37	-	0.3	*	4.2
	Walton-on-Naze								
	Southend-on-Sea	a bc	bc	52	39	-	-	*	3.0
England, S.E.	Margate	o.c.cp	cp	51	38	-	0.1	*	0.4
	Ramsgate	*	*	53	36	0.2	-	*	2.1
	Folkestone	b.bc	cr.o.c	53	38	-	1	*	? 4.0
	Hastings								
	Eastbourne	bc	bc or c	53	39	-	0.4	*	5.7
	Brighton	c	cp c	54	39	-	1	*	5.8
	Worthing	b bc	cr.bc	53	35	-	1	*	5.6
	Littlehampton	bcr	bc	52	42	-	3	*	5.0
	Bournemouth	*	*	51	38	-	1	*	2.7
	Tunbridge Wells	bc b	b.bcp	53	34	-	0.3	*	4.6
England, N.W.	Douglas (I.O.M.)								
	Blackpool	or	c	48	38	20	-	*	5.9
	Southport	bc bc bc	bc bch c	50	38	10	0.2	*	6.8
Midlands.	Buxton	bcr bc	bcr bc	43	34	3	3	*	3.4
	Leamington Spa	c bc	bc	48	35	-	-	*	4.6
	Malvern	bc	bc b	52	39	0.2	0.3	*	3.0
	Ross-on-Wye	bc by	bch b	53	36	-	0.3	*	4.1
Wales.	Rhyl	cr	thr bc	51	40	?	7	*	2.5
	Colwyn Bay	*	*	47	40	9	5	*	4.1
	Llandudno	chp	chp	51	41	4	3	*	4.5
	Aberystwyth	or c	b. bc	48	43	*	*	*	4.5
England, S.W.	Weymouth	bc	bc	55	42	-	-	*	3.1
	Teignmouth	bcp	b p	52	41	-	2	*	3.6
	Torquay	b bc c	c.o.cp	52	41	0.1	0.3	*	4.3
	Paignton	bc	bcp bc	53	38	trace	trace	*	2.9
	Penzance	bc	bc	55	46	0.3	-	*	4.5
	Newquay	bc op	cp	51	47	-	2	*	2.2
	Bude	bcp	bcp	52	45	1	0.4	*	2.3
	Ilfracombe	c.o	o c bc	52	47	-	-	*	4.6
	Weston-s-Mare	bc	bc b	51	45	-	-	*	4.0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 14th	Weather 13h-18h 14th	Weather 18h 14th-1h 15th	Weather 1h-7h 15th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall Day. 7h-18h	Rainfall Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	rhq	p prh	⌒ prh	prh.p5	42	34	*	*	*	*
Eskdalemuir	b bcc	cbc b bc	bc b	bx	44	29	21	-	-	6.5
†Stranraer	bc cv	p v	r ⊍	op	47	31	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen)	c op bc	bc by	b.p.bcc		51	41	33	1	-	4.4
†Anglesey (Llangefni)	thq	oq	rs ps				*	*	*	*
Falmouth	op	o cp bv	bc cp	bc	55	40	32	Trace	2	3.5
†Calshot (Hants)	op	o	b bc o	b.o	56	36	*	*	*	*
†Capel (Folkestone)	o3	v p	c o ⊍	⊍ z_1	49	33	*	*	*	*
Aberdeen	bc cpq	bc cp	b.p.cb		43	35	30	4	Trace	3.5
†East Fortune	bc cv	-		co.z	47	34	*	*	*	*
†Flamborough Head	prhq	prhq	rhl	b bc t	43	32	*	*	*	*
†Felixstowe	ofq	bc cq	b bc	b bc z	49	34	*	*	*	*
†Cranwell (Lincs)	c bc c	prh bc c	⌒	bec x	46	38	*	*	*	*
†Bedford	pq	b bcq	3 w	w x	49	28	*	*	*	*
Benson	c	bc	bc	bx	49	26	18	Trace	-	*
London (Kew Obsy.)	bcmx cmq	cq bc c	b.bmx		50	32	21	-	-	2.7

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. ! 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.

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 0·5
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	5·4- 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora ⌒ Solar halo ⊕
Rime ⌒ Lunar halo ⊕
Glazed frost ∞ Solar corona ⊕
Glazed roads ⌒ Lunar corona ⊍

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon	Weather. Night	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. Yesterday.	Humidity % 9 h. G.M.T. To-day.
	24 Hours ended 9h G.M.T. 15th									
Greenwich (Royal Observatory)	c. o	bc. cp	⊕. ⊍	52	32	22	-	2.4	75	87
City (Bunhill Row)	*	*	*	*	*	*	*	4.3	*	*
Westminster (St. James's Park)	*	*	*	52	31	25	-	2.7	74	88
" (Admiralty Arch)	bcm. cp	cm bcm	bcm1bx	51	35	*	-	2.2	85	83
Camden Sq. (British Rainfall)	b bc	b bc	*	52	30	29	-	2.6	78	91
Kensington Palace	op	bc. op	*	51	31	25	-	*	81	87

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 689 Joules.

Milliwatts.
Average Rate. 17.8
Maximum Rate. 49

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

15th & 16th October 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset G.M.T.
Yarmouth	6.21	11.39	4.57
	6.22	11.39	4.56
Greenwich	6.26	11.46	5.6
	6.27	11.46	5.4
Wick	6.56	11.58	5.6
	6.52	11.58	5.3
Valencia	7.8	12.27	5.46
	7.9	12.27	5.44

NOTES ON THE WEATHER OF YESTERDAY.

The North-Westerly type of weather was maintained over the country generally. Showers were experienced in most districts. Hail showers were experienced at several stations especially in the north. Sunshine amounts were variable but nowhere was more than 7 hours recorded.

At many stations the temperature did not reach 50°F. At some inland stations the temperature fell to below 32°F at night. The grass thermometer fell to 18°F. at Benson.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21,157.B (4) ..Thursday, 16th. October,.....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H. AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind Direc.	Wind Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H. G.M.T. .....15th.....													
†Houton B. (Orkney)	1011.5	+4	NNE	6	cu	38	92	8	1-1500	Cu Nb	5	a St	2	5
Eskdalemuir ...	1012.4	+1	NW	5	bym	44	55	6	3-4000	Cu	1	-	-	*
†Stranraer ...	1014.3	+1	NNW	5	c	41	92	8	2-3000	St Cu	7	-	-	*
†Lough Foyle ...														
Valencia (Cahire'n)	1024.9	+2	NW	4	c	51	75	10	2-3000	St Cu	7	Ci Cu	1	3
†Anglesey (Llangefni)	1016.2	+1	NW	5	oh	45	75	7	2-3000	Nb	10	-	-	6
Falmouth ...	1021.3	+1	NW	5	cqy	54	55	7	-	Cu Nb	8	-	-	*
†Calshot (Hants) ...	1016.7	0	NW	3	bcrm	47	87	7	½-1000	Cu Nb	2	-	-	4
†Capel (Folkestone)	1013.9	0	WNW	6	bq	46	55	3	-	-	-	a St	1	4
Aberdeen ...	1010.9	+2	NW	5	bcq	41	K40	7	-	Cu Nb	2	Ra Ci	2	3
†East Fortune ...	1012.3	+6	NNW	5	bc	47	55	8	3-4000	St Cu	5	-	-	*
†Flamborough Head	1010.2	0	NW	5	c	45	65	8	2-3000	St Cu	7	a St	1	*
†Felixstowe ...	1013.3	0	NNW	6	b	48	65	5	4-5000	Cu	2	Ra Ci	2	5
†Cranwell (Lincs)	1010.2	0	NW	5	c	45	65	8	2-3000	St Cu	7	a St	1	*
†Bedford ...	1014.4	0	W	4	cq	44	75	1	2-3000	St	5	a Cu	2	*
Benson	1014.5	-2	NW	3	o	47	65	7	*	*	*	*	*	*
London (Kew Ob.)	1014.7	-2	NW	3	cm	47	65	8	2-3000	Nb	8	Ci	1	*
	1H. G.M.T. OF .....16th.....													
†Houton B. (Orkney)	1018.9	+4	N	7	ok	37	92	4	2-3000	St Cu	9	-	-	7
Eskdalemuir ...	1021.4	+3	NNW	5	bq	35	65	6	-	-	-	-	-	*
†Stranraer ...	1021.8	+3	N	3	b	41	98	-	2-3000	St	4	-	-	*
†Lough Foyle ...														*
Valencia (Cahire'n)	1030.1	0	WNW	4	bcp	49	*	*	*	*	*	*	*	*
†Anglesey (Llangefni)														
Falmouth ...	1025.8	+2	NW	5	bcq	48	75	7	-	Cu Nb	4	-	-	*
†Calshot (Hants) ...	1021.6	+2	NW	3	b	39	98	5	-	-	-	-	-	3
†Capel (Folkestone)	1016.5	+3	NW	5	b	36	98	4	4-5000	St Cu	2	-	-	*
§Aberdeen ...	1016.5	+3	N	5	bc	37	82	6	2-3000	St Cu	4	-	-	*
†East Fortune ...	1020.4	+3	NNW	4	bq	38	75	-	2-3000	St	1	-	-	*
†Flamborough Head	1016.1	+5	NNW	6	crhq	38	75	-	½-2000	Cu Nb	7	-	-	*
†Felixstowe ...	1016.5	+2	NNW	4	b	38	85	5	-	-	-	-	-	5
†Cranwell (Lincs)	1018.9	+2	NW	3	b	35	92	5	-	-	-	-	-	*
†Bedford ...	1018.8	+4	W	2	bs	36	87	-	-	-	-	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1019.1	+3	WNW	3	b	39	*	*	*	*	*	*	*	*

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind Direc.	Wind Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF .....15th.....													
†Houton B. (Orkney)	1014.2	+2	N	8	o	36	92	5	2-3000	Cu Nb	9	-	-	6
Eskdalemuir ...	1016.3	+4	NNW	3	b	37	65	7	-	St Cu	1	-	-	*
†Stranraer ...	1017.4	+1	NNW	5	cq	44	92	8	2-3000	St Cu	7	-	-	*
†Lough Foyle ...														
Valencia (Cahire'n)	1026.9	+3	NNW	4	c	50	75	10	2-3000	Cu	7	-	-	3
†Anglesey (Llangefni)	1018.8	+4	N	3	bc	43	82	8	2-3000	Cu	6	-	-	6
Falmouth ...	1022.8	+2	WNW	4	b	46	75	7	-	Cu	1	Ra Ci	1	*
†Calshot (Hants) ...	1019.8	+1	NW	2	o	45	92	4	3-4000	Cu	3	a Cu	7	4
†Capel (Folkestone)	1014.1	0	WNW	5	bf	41	75	2	4-5000	Cu	2	a St	1	4
Aberdeen ...	1014.3	+5	NW	2	bc	35	98	7	-	Cu Nb	6	-	-	3
†East Fortune ...	1014.9	+3	NNW	3	bc	42	65	7	3-4000	St Cu	5	-	-	*
†Flamborough Head	1012.2	+4	N	6	orhq	31	98	6	1½-2000	Cu Nb	9	-	-	*
†Felixstowe ...	1015.2	+4	N	5	orq	37	98	4	-	Nb	10	-	-	4
†Cranwell (Lincs)	1014.6	+1	NW	3	b	38	92	5	2-3000	St	4	a Cu	2	*
†Bedford ...	1015.6	+2	NNW	1	cu	40	87	9	2-3000	Cu Nb	9	-	-	*
Benson	1016.0	+2	NW	3	b	42	82	8	-	Cu	2	-	-	*
London (Kew Ob.)	1015.7	+2	WSW	2	bm	43	75	4	3-4000	Cu	2	-	-	*
	7H. G.M.T. OF .....16th.....													
†Houton B. (Orkney)	1022.6	+4	N	5	rq	36	92	4	1-1500	C. Nb	9	-	-	3
Eskdalemuir ...	1025.0	+5	NW	3	bx	33	79	6	-	-	-	-	-	*
†Stranraer ...	1027.4	+1	-	0	bc	40	97	8	½-1000	F. Cu	3	Ci. S	1	*
†Lough Foyle ...														*
Valencia (Cahire'n)	1031.1	+2	WNW	3	o	53	75	10	2-3000	S. Cu	9	-	-	3
†Anglesey (Llangefni)	1027.2	+4	NNE	3	bc	42	97	8	3-4000	S. Cu	5	-	-	4
Falmouth ...	1028.5	+3	N	3	b	45	65	6	-	C. Nb	3	-	-	*
†Calshot (Hants) ...	1026.2	+3	NW	4	b	40	92	6	-	-	-	-	-	3
†Capel (Folkestone)	1020.1	+4	NNW	7	b	34	75	3	-	-	-	-	-	7
§Aberdeen ...	1023.1	+4	NW	4	bc	37	?	7	-	C. Nb	5	-	-	3
†East Fortune ...	1024.7	+4	NNW	4	b	38	75	8	2-3000	St	1	-	-	*
†Flamborough Head	1020.9	+5	NNW	7	rq	41	82	6	1½-2000	St	10	-	-	*
†Felixstowe ...	1020.7	+5	N	5	b	36	92	5	3-4000	St	2	A. St	1	5
†Cranwell (Lincs)	1023.4	+5	NW	3	b	37	82	6	-	-	-	-	-	*
†Bedford ...	1023.5	+6	WNW	1	bz	34	82	-	-	-	-	-	-	*
Benson	1024.2	+4	WNW	2	bx	32	92	5	-	-	-	-	-	*
London ... ... (M.O. at 1H.)	1023.6	+4	NW	3	bmx	35	75	5	-	-	-	-	-	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind Direc.	Wind Force 0-12.	Weather.	Barometer at M.S.L. m.b.	Barometer ‡ Change in 3 hours.	Temperature Temp. °F.	Temperature Change in 24 hours.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.
	18H. G.M.T. of .....15th.....					7H. G.M.T. of .....16th.....								
Lerwick ...	1010.9	39	NNW	3	orm	1019.7	+3	38	0	NNW	3	-	om	3
Stornoway ...	1019.5	39	N	4	cp	1026.6	+2	40	+4	NNW	2	-	c	1
Castlebay (Barra's)	1021.2	43	NNW	4	cp	1028.5	+3	45	+4	NW	3	-	o	5
Glasgow ...	1017.0	38	WNW	2	b	1026.6	+2	35	-2	WNW	2	N	b	*
Malin Head ...	1018.7	45	NW	5	bcq	1026.7	+2	46	+1	NW	3	NW	c	2
Blacksod Point	1024.5	50	NW	2	bc	1029.5	+3	42	-5	-	0	-	bc	*
Roche's Point ...	1025.0	48	WNW	3	b	1030.8	+3	49	+8	WNW	2	-	o	1
Birr Castle ...	1024.1	45	NW	1	c	1030.4	*	32	-3	-	0	-	m	*
Donaghadee ...	1018.7	44	WNW	4	ophq	1026.5	+4	43	+4	WNW	3	-	cq	4
Liverpool (Bidston)	1016.1	45	NW	5	bc	1026.1	+3	43	+3	NNW	4	-	b	3
Holyhead ...	1018.6	47	NW	7	cqy	1026.8	+3	46	0	N	6	N	c	5
Pembroke (St. Ann's Head)	1020.8	49	NW	5	bcqN	1028.3	+4	45	-1	NNW	4	N	bc	4
Scilly (St. Mary's)	1023.8	50	NW	5	bc	1029.0	+2	49	+2	N	4	N	c	5
Jersey (St. Aubin)	1020.1	50	NW	3	b	1025.2	+2	46	0	NNW	3	-	bc	2
Portland Bill ...	1017.6	48	NW	5	bcq	1024.6	+5	46	0	NNW	4	-	b	3
Dungeness ...	1014.5	42	NW	3	b	1020.1	+3	34	+2	NW	3	-	b	3
Wick	1013.8	39	WNW	8	c	1022.2	+3	37	+1	NW	4	-	omp	4
Nairn	1016.3	39	NNW	3	o	1025.0	*	37	+1	NW	1	-	bc	2
Leith	1015.2	44	NW	2	c	1024.6	+2	36	-1	NW	2	N	b	2
Tynemouth ...	1013.0	42	NW	3	bcm	1022.4	+3	39	+4	NW	4	-	bmq	5
Spurn Head ...	1012.0	43	NW	5	bcq	1019.6	+3	39	0	N	6	-	bcqp	6
Yarmouth (Gorleston)	1012.3	39	WNW	4	bc	1016.7	+5	37	+5	NW	3	-	ogurs	3
Clacton on Sea	1013.6	43	WNW	3	c	1019.7	+4	35	+3	WNW	4	-	bc	2
Nottingham ...	1010.6	43	NW	2	c	1023.5	*	38	+7	NW	3	-	b	*

STATIONS.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	24 HOURS ENDED 7H. .....15th.....						.....15th.....
Lerwick ...	2	43	35	opqm	rhpq	omp	*
Stornoway ...	2	45	35	opc	cp	c	5.8
Castlebay (Barra's)	1	46	41	bchbc	bcshc	cepco	3.4
Glasgow ...	-	47	33	bc cv	cbcbv	bx	8.5
Malin Head ...	1	49	42	bcp	bcpq	cp	5.7
Blacksod Point	Trace	-	-	bcp	bc	bcbc	*
Roche's Point ...	Trace	52	40	bbccp	cpbcb	b.o	*
Birr Castle ...	2	49	32	cp	cp	cxf	4.0
Donaghadee ...	8	48	39	cqpm	bcqph	cqp	*
Liverpool (Bidston)	2	48	40	prh	c	bcb	4.5
Holyhead ...	1	49	43	cpqq	cpqq	cpqm	2.3
Pembroke (St. Ann's Head)	Trace	50	45	bwcv	cqv	cqxp	4.0
Scilly (St. Mary's)	Trace	53	47	bcv	bcp	c	8.1
Jersey (St. Aubin)	3	54	45	bc	cbcb	bbc.qp	4.5
Portland Bill ...	2	51	44	cpq	cphq	tzb	*
Dungeness ...	2	51	30	b	bbcb	cp.bbx	*
Wick	4	43	34	opmbc	cortp	bcomp	*
Nairn	1	44	35	bcc	cpqq	qpbcx	0.5
Leith	-	46	36	cuqc	bccqc	cubqb	*
Tynemouth ...	-	45	33	bcm	bcm	bcm	*
Spurn Head ...	2	46	34	bcq	cq	bcqp	6.8
Yarmouth (Gorleston)	12	47	31	bcm	bcqc	cx.bls	7.0
Clacton on Sea	-	45	31	bcq	bcqc	cbo.bb	7.3
Nottingham ...	Trace	46	30	bm	cpc	bcb	2.4

* A = Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1a

SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 16th October, 1919

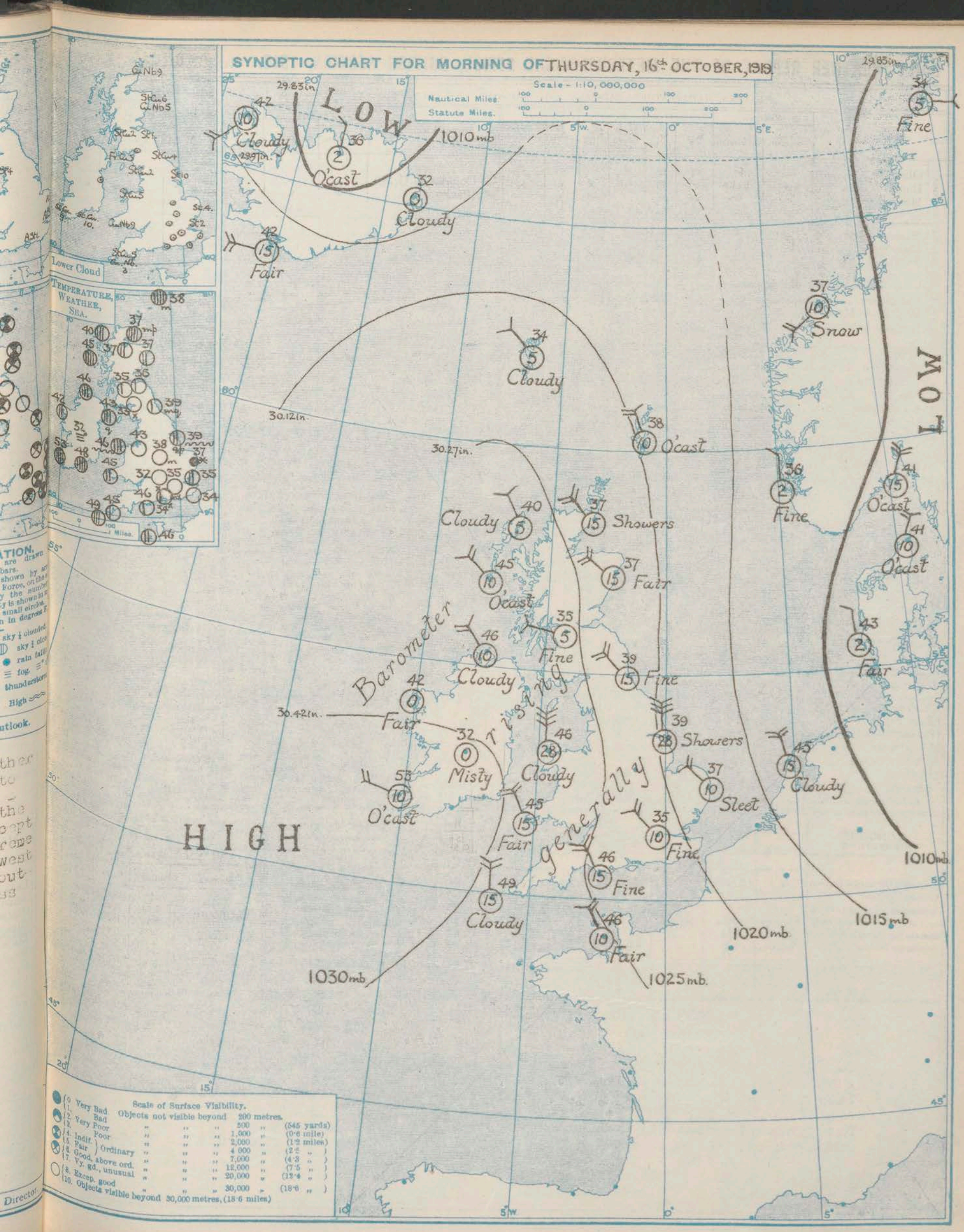
Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NW. 5-15	V.cold	Fine, local mist.	Fair	Slight
2. E. England	N-NW. 10-20	"	Variable cloud, some sleet.	"	Mod.
3. E. Midlands	NW. 5-10	Cold	Fine, some mist or haze.	Indiff.	–
4. W. Midlands	N NW. 5-15	R.cold	Fine	Ord.	–
5. S.W. England	N-NW. 10-15	"	Fine to cloudy	Good	Mod.
6. South Wales	N NW. 10-15	"	Fair to overcast, squally.	Fair	"
7. North Wales	N NW. 15-30	"	Fair or cloudy.	V.good	R.rough
8. N.W. England	NNE-NW. 10-15	"	Fine	V.good	Mod.
9. N. Midlands	N-NW. 10-15	Cold	Fair or fine	Good	–
10. N.E. England	N NW. 15-25	"	Fair or fine, squally, local mist and showers.	"	R.rough
11. E. Scotland	N NW. 5-15	"	Fair or fine.	"	Slight
12. S.W. Scotland	NW-W. 5-10	"	Fair or fine	"	"
13. Isle of Man	NW. 10-20	R.cold	Fair or fine	"	Mod.
14. N.& N.W. Scotland	NW. 5-15	"	Variable cloud, local showers and mist.	Var.	Slight
15. Hebrides	NNW. 5-10	"	Dull.	Good	Smooth
16. Orkneys and Shetlands	N NW. 10-20	Cold	Dull, local mist, rain & squalls.	Indiff.	Slight
17. N.W. Ireland	NW-W. 0-10	R.cold	Fair or cloudy	Good	Smooth
18. N.E. Ireland	N NW. 5-10	"	Cloudy	"	Mod.
19. S.E. Ireland	Var. 0-10	Cold	Dull, local mist.	Var.	Slight
20. S.W. Ireland	W. 5-10	Normal	Overcast.	V.good	Smooth

EXPLANATION.
BAROMETER.—Isobars are drawn at 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. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

An anticyclone spreading in from the west will cause fair weather generally over the country except in the eastern districts where unsettled weather with some showers is likely to persist today.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Thursday, 16th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Moderate or fresh NWly. or Nly. winds decreasing in force tonight. Fair with a few local showers of rain or hail today, fair generally tomorrow, morning mist or fog. Cold.	Fair weather is likely to set in for a time over the country except in the extreme north and west where the outlook is less certain.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Light or moderate Wly. or NWly. breezes. Fair generally, morning mist. Rather cold.	
10. N.E. England 11. E. Scotland	Fresh NWly. or Nly. winds moderating. Fair, but local showers of rain, hail or snow. Cold.	
12. S.W. Scotland 13. Isle of Man	Light or moderate Wly. breezes. Fair or fine. Moderate temperature or rather cold.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Moderate Wly. or NWly. breezes. Mainly fair, local showers of hail or rain. Rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light Wly. breezes. Fair generally. Moderate temperature.	


SYNOPTIC CHART FOR MORNING OF THURSDAY, 16th OCTOBER, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
1010 mb
29.83 in.
29.97 in.
30.12 in.
30.27 in.
30.42 in.
Cloudy
O'cast
Fair
Snow
Fine
Showers
Misty
Sleet
HIGH
Barometer rising generally
1030 mb
1025 mb
1020 mb
1015 mb
1010 mb
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
0. Very Bad
1. Bad
2. Very Poor
4. Indif. Poor
5. Fair
6. Good, above ord.
7. V. gd., unusual
8. Excep. good
10. Objects visible beyond 30,000 metres, (18·6 miles)
Objects not visible beyond 200 metres.
500 (545 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4,000 (2·5 ")
7,000 (4·3 ")
12,000 (7·5 ")
20,000 (12·4 ")
30,000 (18·6 ")

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No 2398 { Thursday 16th October

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 15th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 14th	Rainfall. Day. 9h-17h. 15th	Sunshine.	Sunshine. Sunrise to Sunset. 14th
Scotland.	Oban	bc	b	47	38	-	-	*	7.4
	Banff	bchp	bchp	49	37	0.4	2	*	2.6
	Montrose	bc	bc	45	35	-	-	*	7.0
	St. Andrews	b	c	46	34	-	-	*	7.9
England, N.E.	Scarborough	*	*	53	34	1	1	*	7.4
	Harrogate	b	b	47	29	-	-	*	6.4
	Skegness	bm	b bcp b	47	30	-	-	*	7.0
England, E.	Felixstowe	bcq bc	bcm	47	33	-	-	*	8.0
	Walton-on-Naze								
	Southend-on-Sea	b	b bc	49	33	-	-	*	5.8
England, S.E.	Margate	bc b	b bcc	49	39	-	-	*	5.3
	Ramsgate	*	*	53	34	-	-	*	7.0
	Folkestone	b	b	49	36	-	-	*	7.3
	Hastings								
	Eastbourne	b	b bc	51	37	-	-	*	9.1
	Brighton	b	bc b	52	35	-	-	*	9.0
	Worthing	bc	bc	51	33	-	-	*	9.2
	Littlehampton	bc	bc	51	43	-	1	*	9.0
	Bournemouth	*	*	52	34	-	-	*	8.8
	Tunbridge Wells	b	b. bcc	50	29	-	-	*	7.0

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 14th	Rainfall. Day. 9h-17h. 15th	Sunshine.	Sunshine. Sunrise to Sunset. 15th
England, N.W.	Douglas (I.O.M.)								
	Blackpool	orh	c	47	32	5	-	*	6.7
	Southport	c bc b	b bc	44	34	3	-	*	5.5
Midlands.	Buxton	bc br	bc b	44	31	1	0.2	*	3.4
	Leamington Spa	bc	bc	47	28	-	-	*	4.0
	Malvern	bc c	c.o	48	36	-	0.3	*	4.1
	Ross-on-Wye	bcv	c bcp	52	30	-	0.2	*	6.2
Wales.	Rhyl	c	r	52	35	5	2	*	2.0
	Colwyn Bay	*	*	46	40	6	3	*	1.6
	Llandudno	op	opb	48	40	3	5	*	1.7
	Aberystwyth	orc	bcc	49	43	*	*	*	4.7
England, S.W.	Weymouth	bcp bc	bcp bc	54	37	-	0.4	*	7.0
	Teignmouth	bcp	bc	52	38	0.3	0.3	*	6.2
	Torquay	b.bcb	b	52	39	-	-	*	7.3
	Paignton	bcb	b	54	36	-	-	*	7.3
	Penzance	bc.b	bc	54	42	2	-	*	9.5
	Newquay	cp b	bcp	51	44	1	1	*	6.6
	Bude	bc cp	bcp c	52	39	0.1	0.1	*	6.5
	Ilfracombe	c	chq	52	46	-	0.4	*	4.2
	Weston-s-Mare	bcp bc	bcp bc	50	41	-	1	*	5.0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-18h 15th	Weather 18h-18h 15th	Weather 18h 15th-1h 16th	Weather 1h-7h 16th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	ps prs	c p	c prh	c prh	37	34	*	*	*	*
Eskdalemuir	bcyq	bcps by	b bq	b bx	45	30	27	Trace	-	8.5
†Stranraer	prh v	v q	bv bcv	bcc	48	36	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen)	op c	c	c p		53	46	43	-	1	2.2
†Anglesey (Llangefni)	oq	pq		q.r.	49	43	*	*	*	*
Falmouth	bcqy	by cpq	b bcpq	bcp	54	42	39	1	1	9.1
†Calshot (Hants)	p	bc o	o	b	52	40	*	*	*	*
†Capel (Folkestone)	bv	fg	prh b bc	z w	-	-	*	*	*	*
Aberdeen	crspqt	bcq cg	bcprs		43	35	32	-	5	5.3
†East Fortune	r q	b bcv	bq bcq	bbc	47	36	*	*	*	*
†Flamborough Head	bc cv	rhu	rsq	r.q	47	35	*	*	*	*
†Felixstowe	b bcg	bc cg	b bc u	q.x	49	35	*	*	*	*
†Cranwell (Lincs)	bc cv	bc c	b bc	b	46	32	*	*	*	*
†Bedford	3 q	3 q	3 w	omx	47	31	*		*	*
Benson	bc	bcp bc	pc	bx	47	37	18	Trace	*	*
London (Kew Obsy.)	bmx cpom	om bc bm	bm b. bmx		47	33	24	Trace	-	5.5

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity; 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora ⌂ Solar halo ⊗
Rime ⊽ Lunar halo ⊗
Glazed frost ∞ Solar corona ⊙
Glazed roads ⊂⊃ Lunar corona ⊙

LONDON. OBSERVATIONS.	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 HOURS ENDED 9H G.M.T. 16th							YESTERDAY.	TO-DAY.	
Greenwich (Royal Observatory)	b	c.o r.h	b	48	36	27	3	3.6	72	67
City (Bunhill Row)	*	*	*	*	*	*	*	4.2	*	*
Westminster (St. James's Park)	*	*	*	50	35	28	-	5.2	73	72
,, (Admiralty Arch)	bcmqc	cpbc	bcm b	52	35	*		5.0	79	75
Camden Sq. (British Rainfall)	bzb	bbc	*	50	33	29	1	4.8	65	70
Kensington Palace	bc.o	bc	*	49	33	28	-	*	79	68

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 694 Joules.

Milliwatts.
Average Rate. 18·1
Maximum Rate. 50

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

15th & 17th October 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.22	11.39	4.55
	6.23	11.38	4.53
Greenwich	6.27	11.40	5.4
	6.28	11.45	5.2
Wick	6.52	11.58	5.8
	6.54	11.57	5.1
Valencia	7.9	12.27	5.46
	7.10	12.26	5.42

NOTES ON THE WEATHER OF YESTERDAY.

The northerly type was maintained again yesterday over the country. Passing showers of rain or hail were general.

Temperatures were rather low, the screen thermometer fell to freezing point at some stations in the east and south-east of England.

The grass thermometer at Benson fell to 18°F. at night.

Sunshine amounts were variable, as much as 9.1 hours were recorded at Falmouth.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 24158. B ...FRIDAY..17th OCTOBER.....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. ....16th.....													
†Houton B. (Orkney)	1024.5	0	N	3	3	40	75	5	3-4000	St.Cu	6	A.St	4	3
Eskdalemuir ...	1027.4	+3	N	4	bc	46	55	6	-	Cu	4	Ci	1	*
†Stranraer ...	1023.5	+2	N	4	c	48	92	8	1½-2000	St	7	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1032.8	+1	NW	2	b.	58	75	10	2-3000	Cu	3	-	-	3
†Anglesey (Llangefni)	1030.0	+2	NW	3	b	46	87	8	1½-2000	Nb	10	-	-	6
Falmouth ...	1031.2	+2	NNW	3	bcq	53	55	7	-	Cu.Nb	4	-	-	*
†Calshot (Hants) ...	1028.3	+2	N	4	b.	50	75	6	-	-	-	-	-	0
†Capel (Folkestone)	1023.4	+4	WNW	7	0	46	65	6	4-5000	Cu	6	-	-	5
Aberdeen ...	1025.7	+2	NW	3	0	42	82	8	-	Cu.Nb	9	-	-	3
†East Fortune ...	1026.9	0	N	4	c	46	65	7	3-4000	St.Cu	7	-	-	*
*Flamborough Hd	1024.5	+6	N	7	cthq	45	75	8	2-3000	Cu.Nb	7	-	-	*
†Felixstowe ...	1024.3	+4	N	6	0	48	75	6	2-3000	Cu.Nb	9	-	-	5
†Cranwell (Lincs)	1026.7	+4	WNW	4	c	49	75	7	2-3000	St	6	a.Cu	1	*
†Bedford ...	1026.4	+3	NNW	5	bq	48	55	4	3-4000	Tr.Cu	3	-	-	*
Benson	1026.9	+3	NW	3	bz	48	55	5	*	*	*	*	*	*
London (Kew Ob.)	1027.1	+3	NNW	2	by	48	55	7	3-4000	Cu	3	-	-	*
	1H. G.M.T. OF ....17th.....													
†Houton B. (Orkney)	1019.0	+3	NW	7	0	43	82	6	1½-2000	Cu.Nb	6	a.St	3	8
Eskdalemuir ...	1027.5	-2	S	4	c	43	82	6	-	St.Cu	7	-	-	*
†Stranraer ...	1029.4	-1	-	0	0	47	98	-	2-3000	Nb	9	-	-	*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1033.3	0	WNW	2	bc	51	*	*	*	*	*	*	*	*
†Anglesey (Llangefni)	1032.6	+2	-	0	bc	45	87	-	5-7000	St.Cu	4	a.St	1	3
Falmouth ...	1034.9	0	NNW	1	b	40	87	6	-	-	-	-	-	*
†Calshot (Hants) ...	1034.1	+2	NNW	2	b	38	92	5	-	-	-	-	-	3
†Capel (Folkestone)	1032.3	+2	NW	3	bz	35	82	6	-	-	-	-	-	3
§Aberdeen ...	1022.6	-3	W	3	0	40	87	4	½-1000	Nb	10	-	-	*
†East Fortune ...	1026.3	-2	WSW	4	b	47	75	-	2-3000	St.Cu	8	-	-	*
*Flamborough Hd	1028.8	0	W	2	0	37	82	8	7-9000	St.Cu	8	-	-	*
†Felixstowe ...	1031.8	+2	NNW	3	b	37	87	5	-	-	-	-	-	4
†Cranwell (Lincs)	1029.8	0	W	2	b	35	92	4	3-4000	St	2	a.Cu	2	*
†Bedford ...	1032.1	+1	WSW	2	bz	31	87	9	-	-	-	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1m.)	1032.5	+1	WNW	2	b	37	*	*	*	*	*	*	*	*

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form...	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF ....16th.....													
†Houton B. (Orkney)	1021.0	-6	W	7	0	43	98	4	1-1500	St.Cu	10	-	-	5
Eskdalemuir ...	1029.1	+2	W	2	0	42	75	6	-	St.Cu	9	-	-	*
†Stranraer ...	1030.2	0	-	0	c	41	98	5	1½-2000	St	8	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1033.4	+1	W	1	0	52	92	7	½-1000	St	10	-	-	2
†Anglesey (Llangefni)	1031.4	+2	WNW	1	0	46	75	7	3-4000	St.Cu	4	a.Cu	5	4
Falmouth ...	1033.2	+3	NNW	3	bq	47	75	5	-	-	-	a.Cu	3	*
†Calshot (Hants) ...	1031.3	+3	N	2	b	48	65	3	-	-	-	-	-	3
†Capel (Folkestone)	1029.0	+5	NNW	4	bz	41	75	5	4-5000	St.Cu	3	-	-	4
Aberdeen ...	1025.7	-1	WSW	1	om	42	75	6	-	St.Cu	9	-	-	3
†East Fortune ...	1027.7	0	W	1	c	45	75	6	3-4000	St.Cu	8	-	-	*
*Flamborough Hd	1027.3	+3	NW	4	bc	42	75	7	2-3000	Cu	4	a.St	1	*
†Felixstowe ...	1027.9	+4	N	4	0	46	82	5	3-4000	St.Cu	8	-	-	4
†Cranwell (Lincs)	1029.6	+4	WNW	1	bc	37	92	7	3-4000	St	3	a.Cu	3	*
†Bedford ...	?	+3	NW	1	bef	42	65	3	1½-2000	St	6	-	-	*
Benson	1030.2	+4	NW	1	b	37	75	6	-	-	-	-	-	*
London (Kew Ob.)	1030.3	+5	W	1	bm	43	75	2	-	-	-	-	-	*
	7H. G.M.T. OF ....17th.....													
†Houton B. (Orkney)	1021.9	+2	NW	6	0	44	75	6	1-1500	St.	10	-	-	6
Eskdalemuir ...	1028.0	+1	SSW	2	oam	48	97	4	½-1000	St	10	-	-	*
†Stranraer ...	1029.4	0	-	0	bc	49	92	3	1½-2000	St	9	-	-	*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1033.4	0	S	2	0	50	92	8	2-3000	S.Cu	8	A.Cu	1	2
†Anglesey (Llangefni)	1032.4	0	SW	1	0	47	87	8	1½-2000	St.	10	-	-	3
Falmouth ...	1035.2	0	NNW	2	bx	39	92	6	-	Cu	1	-	-	*
†Calshot (Hants) ...	1035.1	+2	-	0	0	38	92	5	2-3000	Cu	9	Ci.St	1	2
†Capel (Folkestone)	1033.6	+2	WNW	3	c	37	75	3	1½-2000	S.Cu	4	A.St	2	2
§Aberdeen ...	1024.7	+3	NW	3	c	46	75	7	-	S.Cu	7	-	-	2
†East Fortune ...	1024.8	-2	SW	4	cz	51	92	5	4-5000	S.Cu	4	A.St	4	*
*Flamborough Hd	1027.2	0	W	1	r	41	87	4	4-5000	Nb	7	A.St	2	*
†Felixstowe ...	1032.5	+1	NW	2	bcz	39	92	2	2-3000	St.	5	A.Cu	2	3
†Cranwell (Lincs)	1030.2	0	WSW	3	bc	40	92	5	2-3000	St	2	Ci	3	*
†Bedford ...	1032.1	0	SW	3	c	41	87	-	-	-	-	Ci.C	8	*
Benson	1033.6	+1	-	0	bcx	32	97	6	-	-	-	A.Cu	4	*
London ... ... (M.O. at 1m.)	1033.4	+1	-	0	bemx	34	92	4	2-3000	S.Cu	5	A.Cu	1	*

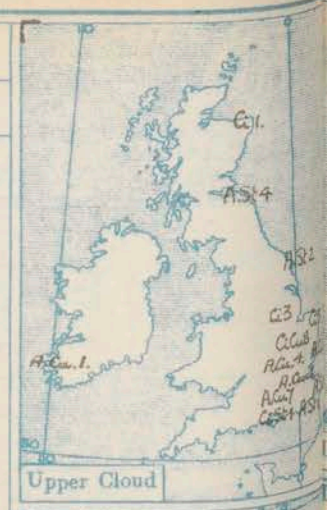
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of ....16th.....					**7H. G.M.T. of ....17th.....**									**24 HOURS ENDED 7H. ....17th.....**						**....16th....**
Lerwick ...	1017.6	39	SSW	2	omw	1018.6	+2	44	+6	W	3	W	bem	2	8	49	37	om	odm	bem	*
Stornoway ...	1023.8	48	W	4	c	1025.4	+2	41	+1	W	1	-	0	1	2	50	40	c.o	o.c	or o	0.5
Castlebay (Barra Is)	1027.0	50	WSW	4	0	1027.2	+1	50	+5	-	0	-	fd	1	3	52	44	o	o	opofd	0.5
Glasgow ...	1028.9	44	WSW	2	o3	1026.4	+1	51	+16	WSW	3	-	o	*	Trace	51	35	bbec	c.o3	codpm	3.9
Malin Head ...	?1028.9	49	SW	2	c	1028.5	0	52	+6	SW	3	SW	bc	2	-	? 61	45	bc	bc	c	3.0
Blacksod Point	1032.0	51	SW	1	c	1030.3	0	51	+9	WSW	2	-	o	-	1	-	-	bc	bc	cdom	*
Roche's Point ...	1033.2	49	NNW	1	bc	1034.1	0	48	0	SE	1	-	o	1	Trace	55	47	obcb	bbc	bco	*
Birr Castle ...	1032.2	44	-	0	c	1032.2	*	47	+15	SW	1	-	o	*	Trace	53	32	c	c	oc	8.7
Donaghadee ...	1029.9	46	NW	2	bcm	1029.7	0	46	+3	SW	2	-	bcm	1	-	50	39	cm	bcm	bcm	*
Liverpool (Bidston)	1030.1	47	NW	3	o	1030.9	0	48	+5	W	5	W	o	4	-	48	43	b	bco	oq	8.0
Holyhead ...	1031.0	49	NW	4	bc	1031.9	0	50	+4	WSW	3	-	og	2	Trace	50	46	cp	c	bbcc	2.2
Pembroke (St. Ann's Head)	1033.1	44	NNE	2	bv	1034.0	0	51	+6	WSW	3	-	o	3	-	52	43	bc	bcw	bcq	7.9
Scilly (St. Mary's)	1032.9	48	N	2	bc	1034.4	0	47	-2	-	0	5	bc	1	-	54	44	cbc	bc	bbc	7.8
Jersey (St. Aubin)	1031.0	48	NNW	2	b	1034.7	+1	38	-8	WNW	1	-	bm	1	-	54	39	bcb	b	bmw	9.0
Portland Bill ...	1030.0	50	NW	3	b	1033.2	0	49	+3	NNW	2	W	b		-	52	42	b	b	b	*
Dungeness ...	1028.4	42	NW	2	o	1032.1	+1	31	-3	N	3	-	bc	3	-	55	30	bbc	bcb	bbcq	*
Wick	1021.7	42	SW	3	o	1023.5	+3	45	+9	NNW	1	-	o	2	1	49	37	opmed	cp	omp	*
Nairn	1024.6	45	WNW	2	c	1025.0	*	45	+8	WNW	1	-	bc		-	49	37	bcc	cq	cbcq	0.9
Leith	1027.0	44	SW	1	o	1025.0	0	52	+6	WSW	2	W	c	2	-	52	36	b	bbcco	ocpuc	*
Tynemouth ...	1027.1	44	NNW	2	bc	1025.2	0	50	+11	WNW	3	-	bcm	2	-	50	38	bcm	bcm	bm	*
Spurn Head ...	1028.2	43	NW	5	bqpw	1028.5	0	44	+5	W	4	-	bcm	5	3	46	37	bcpq	bcpq	bcm	—
Yarmouth (Gorleston)	1025.2	43	N	5	[illegible]	1029.0	0	36	-1	WNW	3	-	bcm	3	1	49	34	bcphq	bcpq	bcpbc	5.9
Clacton-on-Sea	1028.0	45	NW	3	c	1031.6	+1	39	+4	W	3	NW	cm	3	-	49	32	bc	bcc	bcgcm	7.6
Nottingham ...	1029.6	42	WNW	1	b	1030.3	*	42	+4	W	2	W	b	*	-	49	33	bm	bm	bm	7.1

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 12

SUMMARY OF CONDITIONS AT 7 A.M. Friday, 17th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	W-N. 0-10	Cold	Fair or cloudy, local mist.	Indiff.	Smooth
2. E. England	W-NW. 5-10	"	Cloudy, some mist or haze.	Poor	Slight
3. E. Midlands	W. 0-10	R.cold	Fine to cloudy.	Good	–
4. W. Midlands	W. 0-10	"	Variable cloud.	"	–
5. S.W. England	Var. 0-5	"	Fine or fair.	Ord.	Smooth
6. South Wales	WSW. 0-10	Moderate	Overcast.	Fair	Slight
7. North Wales	WSW. 5-10	"	"	V.good	Smooth
8. N.W. England	W. 10-20	"	"	"	Mod.
9. N. Midlands	W-NW. 5-10	R.cold	Variable cloud	Fair	–
10. N.E. England	W-NW. 5-15	"	Fair to overcast, some mist and slight rain.	Indiff.	Mod.
11. E. Scotland	SW-NW. 5-10	Moderate	Fair or cloudy.	Fair	Smooth
12. S.W. Scotland	WSW. 5-15	"	Dull, slight drizzle	Indiff.	"
13. Isle of Man	W. 5-10	"	Cloudy.	Good	"
14. N.&N.W. Scotland	W-NW. 0-10	"	Dull.	Fair	"
15. Hebrides	W. 0-5	R.cool	Dull, some fog and drizzle.	Var.	"
16. Orkneys and Shetlands	W-NW. 10-30	Moderate	Fair to overcast.	"	Mod.
17. N.W. Ireland	WSW. 5-10	"	Fair to overcast.	Ord.	Smooth
18. N.E. Ireland	W-SW. 5-10	"	Fair to overcast.	"	"
19. S.E. Ireland	S-SW. 0-5	"	Overcast	Good	"
20. S.W. Ireland	S. 0-5	"	"	V.good	"



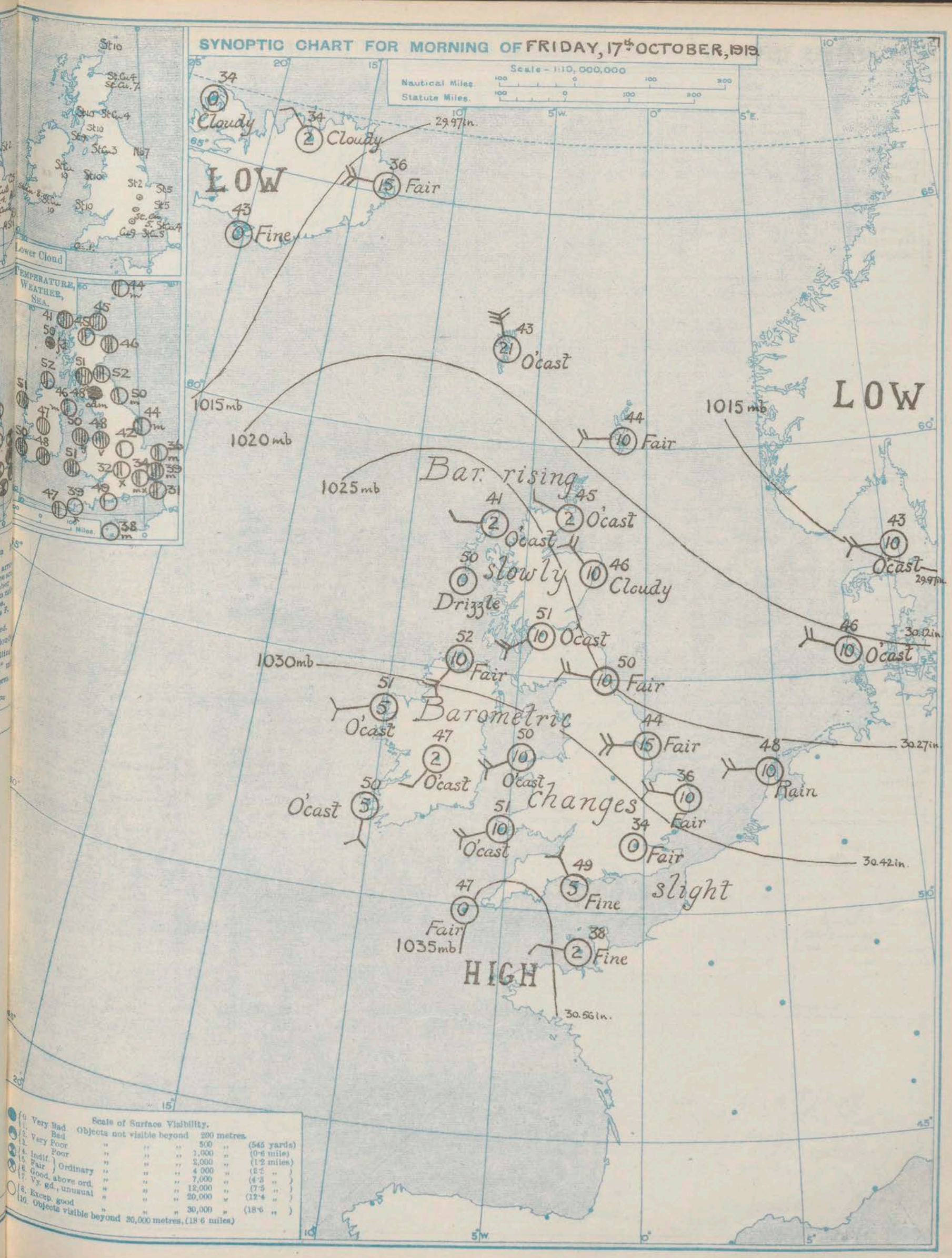
EXPLANATION.

BAROMETER.—Isobars are drawn at 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. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—Rough. High.

GENERAL INFERENCE from observations received up to 9 a.m.

An anticyclone centred near the north of the Channel will maintain fair weather over east and south-east England. A depression centred to the west of Iceland moving east will cause less settled conditions with a backing of the wind in the north. In the west the mild South-West current may be accompanied by light rain.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 17th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light Wly. breezes. Fair or fine, morning mist or fog locally. Milder in day than of late. Cold at night. Light or moderate SWly. breezes. Cloudy or dull, perhaps drizzle locally tomorrow. Some coast fog. Mild.	Fair weather is likely to hold over the east and south-east of England. In Scotland unsettled conditions seem probable. Elsewhere the outlook is uncertain.
9. N. Midlands 10. N.E. England 11. E. Scotland	Moderate NWly. breezes backing W. or SW. and decreasing temporarily. Fair or cloudy. Rather mild.	
12. S.W. Scotland 13. Isle of Man	Same as for Districts 5-8	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Moderate NWly. breezes backing SW. and freshening. Fair to cloudy, some showers. Moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate SWly. breezes. Cloudy or dull, perhaps drizzle locally. Some coast fog. Mild.	


SYNOPTIC CHART FOR MORNING OF FRIDAY, 17th OCTOBER, 1913
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
LOW
Cloudy
Cloudy
Fair
Fine
O'cast
Fair
LOW
1015 mb
1020 mb
1025 mb
1030 mb
1035 mb
Bar. rising slowly
O'cast
O'cast
O'cast
Cloudy
Drizzle
O'cast
Fair
O'cast
Fair
Fair
O'cast
Fair
Rain
Fair
Fair
Fine
Fair
Fine
Barometric Changes slight
HIGH
29.97 in.
30.12 in.
30.27 in.
30.42 in.
30.56 in.
Scale of Surface Visibility.
9. Very Bad
1. Bad
Objects not visible beyond 200 metres.
2. Very Poor " " " 500 " (545 yards)
3. Poor " " " 1,000 " (0·6 mile)
4. Indif. " " " 2,000 " (1·2 miles)
5. Fair } Ordinary " " " 4 000 " (2·5 ")
6. Good, above ord. " " " 7,000 " (4·3 ")
7. Vy. gd., unusual " " " 12,000 " (7·5 ")
8. Excep. good " " " 20,000 " (12·4 ")
10. Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 299 B { Friday, 17th October 19

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 16th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 15th	Rainfall. Day. 9h-18h. 16th	Sunshine.	Sunshine. Sunrise to Sunset 16th
Scotland.	Oban	bcco	o	48	38	-	-	*	0·2
	Banff	cbc	bcco	50	39	3	0·4	*	2·7
	Montrose	bc	bco	47	36	-	-	*	4·9
	St. Andrews								
England, N.E.	Scarborough	*	*	52	35	6	1	*	4·4
	Harrogate	b	bc	47	35	-	-	*	8·5
	Skegness	b bcp	bc b	48	33	-	-	*	7·0
England, E.	Felixstowe	bcq	bcq	49	34	3	-	*	6·6
	Walton-on-Naze								
	Southend-on-Sea	bm	b bc	50	34	2	-	*	7·7
England, S.E.	Margate	b	b bc	48	39	-	-	*	8·1
	Ramsgate	*	*	52	36	1	-	*	8·2
	Folkestone	b	bc	50	35	-	-	*	8·4
	Hastings								
	Eastbourne	b	b bc	51	36	-	-	*	9·1
	Brighton	b	b	52	35	-	-	*	9·2
	Worthing	b	b	50	34	-	-	*	9·4
	Littlehampton	bc	bc	51	43	-	-	*	9·4
	Bournemouth	*	*	52	35	-	-	*	9·7
	Tunbridge Wells	b	b bc	50	32	-	-	*	6·8
England, N.W.	Douglas (I.O.M.)								
	Blackpool	b	c	48	40	0·3	-	*	8·8
	Southport	b	b bcco	48	34	-	-	*	8·4
Midlands.	Buxton	bc b	b bc b	44	30	-	-	*	7·1
	Leamington Spa	b	b	49	31	-	-	*	8·6
	[illegible]								
	Ross-on-Wye	b	by	53	34	-	-	*	8·9
Wales.	Rhyl	bc	bc	50	41	1	-	*	7·5
	Colwyn Bay	*	*	50	42	-	-	*	6·5
	Llandudno	b	b	51	43	0·1	-	*	6·5
	Aberystwyth	cr b	c.o	49	46	*	*	*	6·7
England, S.W.	Weymouth	b	b	56	38	0·2	-	*	9·8
	Teignmouth								
	Torquay	b	b	53	38	0·3	-	*	9·0
	Paignton	b	b	54	39	0·3	-	*	8·9
	Penzance	c.bc	bc	55	47	2	-	*	9·7
	Newquay	b	b	51	49	-	-	*	7·3
	Bude	bc	bc c	52	45	1	-	*	5·1
	Ilfracombe	bc	bc	52	46	0·1	-	*	6·9
	Weston-s-Mare	b	by bc	53	43	2	-	*	9·0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-18h 16th	Weather 18h-18h. 16	Weather 18h 16th-1h. 17th	Weather 1h-7h. 17th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	prhq	pdq	rq	≮q	48	41	*	*	*	*
Eskdalemuir	b.bcy	bcy c.o	o cbc c	c odm	48	32	34	-	-	6·9
†Stranraer	bc cv	cr ov	c op	cp	-	-	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen)	opcbv	bv o	op.d		56	50	47	1	1	4.9
†Anglesey (Llangefni)	cop	co	co bc	c.o	49	36	*	*	*	*
Falmouth	bcy	bcry	b	bx	54	38	29	-	-	9.1
†Calshot (Hants)	b	b	b	b	50	33	*	*	*	*
†Capel (Folkestone)	bcc	bc cy	bz	bccz	47	34	*	*	*	*
Aberdeen	bcpc	ocom	compc		51	37	39	1	Trace	3·1
†East Fortune	bbcv	c o	bbc	bccz	51	36	*	*	*	*
†Flamborough Head	prhq	cov	bcv cv	cof	47	35	*	*	*	*
†Felixstowe	bq bcq	prhq	bcq cq	co z	42	37	*	*	*	*
†Cranwell (Lincs)	bbcc	bccv	bbc	bcc	40	32	*	*	*	*
†Bedford	b bcz	b bcz	f bbc	bbc.w	?49	29	*	*	*	*
Benson	b	b	bx		48	27	21	-	-	*
London (Kew Obsy.)	bmx by	by bzy bm	bm bmx		50	32	20	-	-	8.8

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora ⊛ Solar halo ⊙
Rime ⚒ Lunar halo ◎
Glazed frost ⊂⊃ Solar corona ⊙
Glazed roads ⊂⊃ Lunar corona ◎

LONDON. OBSERVATIONS.

24 HOURS ENDED 9h G.M.T. 17th

	Weather. Morning	Weather. Afternoon	Weather. Night	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. Yesterday.	Humidity % 9 h. G.M.T. To-day.
Greenwich (Royal Observatory)	b	b.c	bcmx	50	30	22	-	8.2	53	71
City (Bunhill Row)	*	*	*	*	*	*	*	7.2	*	*
Westminster (St. James's Park)	*	*	*	51	32	25	-	8.3	63	88
" (Admiralty Arch	bmq bq	bmq	bm bcmq	51	35	*	-	8.0	73	77
Camden Sq. (British Rainfall)			*	50	31	29	-	6.6	56	83
Kensington Palace	b	b	*	50	31	23	-	*	72	81

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ..... Joules.

Milliwatts.

Average Rate.

Maximum Rate. 41

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

17th & 18th Oct. 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.29 / 6.28	11.38 / 11.38	4.53 / 4.51
Greenwich	6.28 / 6.30	11.45 / 11.45	5.2 / 5.0
Wick	6.54 / 6.56	11.57 / 11.57	3.1 / 4.58
Valencia	7.10 / 7.12	12.26 / 12.26	5.45 / 5.42

NOTES ON THE WEATHER OF YESTERDAY.

In the north of Scotland the day was mostly dull with rain or showers at night; 8 mm. fell at Lerwick. Over the rest of the country the day was fairer. At some stations on the south coast of England more than 9 hours of sunshine were recorded. The temperature at night fell below 32°F. in the south-east of England.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 22152.B Saturday, 18th October 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. 17th													
†Houton B. (Orkney)	1023·4	+1	NNW	6	oq	46	87	7	2·3000	St	6	a·St	3	6
Eskdalemuir ...	1029·0	+1	W	3	o	53	75	8	-	St	10	-	-	*
†Stranraer ...	1030·7	+2	NSW	3	o	50	92	3	2·3000	St	7	ci·St	2	*
†Lough Foyle ...														
Valencia (Cahire'n)	1033·0	-1	SSW	3	ov	55	75	10	3·4000	St	9	-	-	2
†Anglesey (Llangefni)	1032·7	-1	SW	2	o	53	82	8	5·7000	St·Cu	10	-	-	4
Falmouth ...	1034·9	-1	SE	2	b	56	65	6	-	Cu	1	ci·St	1	*
†Calshot (Hants) ...	1033·8	-2	S	2	bc	56	?	7	7·9000	Cu	2	ci·St	3	3
†Capel (Folkestone)	1032·5	-2	W	4	b3	53	65	6	-	-	-	Ci	2	3
Aberdeen ...	1025·8	0	NW	3	b	53	55	8	-	-	-	-	-	2
†East Fortune ...	1027·0	+1	W	3	c3	58	82	3	3·4000	St.Cu	4	a·St	4	*
Flamborough Hd.	1027·6	-1	WNW	5	c	56	75	7	4·5000	St.Cu	5	a.St	2	*
†Felixstowe ...	1031·9	0	NW	4	b	55	75	5	-	-	-	Ci	2	4
†Cranwell (Lincs)	1030·3	0	NW	3	c	57	87	6	2·3000	St	3	Ci	2	*
†Bedford ...	1031·8	0	W	3	bc3	55	65	5	3·4000	-	-	Ci.St	5	*
Benson	1032·2	-1	WNW	3	bc	55	65	6	*	*	*	*	*	*
London (Kew Ob.)	1032·8	-2	WNW	3	b	54	65	7	-	-	-	Ci	3	*
	1H. G.M.T. OF 18th													
†Houton B. (Orkney)	1023·1	-1	W	6	o	49	97	?	2·3000	S.Cu	5	-	-	6
Eskdalemuir ...	1030·6	0	SW	2	o	48	92	5	-	St	10	-	-	*
†Stranraer ...	1030·4	0	-	0	o	50	98	-	2·3000	St	10	-	-	*
†Lough Foyle ...														*
Valencia (Cahire'n)	1031·3	0	SSW	4	c	49	*	*	*	*	*	*	*	*
†Anglesey (Llangefni)														
Falmouth ...	1034·4	-1	NW	1	bnw	40	98	4	-	-	-	-	-	*
†Calshot (Hants) ...	1034·9	0	N	1	b	40	97	4	-	-	-	A.St	2	2
†Capel (Folkestone)	1034·4	0	WNW	1	b	45	87	5	-	-	-	-	-	
§Aberdeen ...	1025·6	0	WNW	3	bc	47	92	6	4·5000	St·Cu	4	-	-	*
†East Fortune ...	1029·2	0	W	3	bc	50	82	-	3·4000	St Cu	4	-	-	*
†Flamborough Hd.	1031·2	0	WSW	1	c	46	92	5	3·4000	St·Cu	5	a St	3	*
†Felixstowe ...	1033·7	0	NNW	2	b3	43	92	-	-	-	-	-	-	3
†Cranwell (Lincs)	1032·*	+1	W	2	c	44	98	4	2·3000	St	4	a St	3	*
†Bedford ...	1033·4	0	SW	1	b3	39	98	-	-	-	-	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. 21 In.)	1034·1	+1	W	1	b	43	*	*	*	*	*	*	*	*

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF 17th													
†Houton B. (Orkney)	1023·4	?	W	6	f1	47	97	3	½-1000	Nb	10	-	-	5
Eskdalemuir ...	1029·8	0	WSW	3	o	50	75	6	-	St	9	-	-	*
†Stranraer ...	1030·3	-1	-	0	o	51	97	3	1½-2000	St	10	-	-	*
†Lough Foyle ...														
Valencia (Cahire'n)	1032·0	-1	SSE	3	c	50	87	10	3-4000	Cu	4	a.Cu	3	2
†Anglesey (Llangefni)	1032·7	0	S	1	o	51	75	8	1½-2000	St	10	-	-	4
Falmouth ...	1034·3	0	SSE	1	b3	46	75	3	-	-	-	-	-	*
†Calshot (Hants) ...	1034·6	+1	WNW	2	c	49	87	5	3-4000	Cu	4	-	-	3
†Capel (Folkestone)	1033·2	+2	W	2	b3	48	75	4	-	-	-	a.St	1	3
Aberdeen ...	1026·7	0	S	2	omo	49	82	6	-	St·Cu	9	-	-	2
†East Fortune ...	1028·3	+1	W	3	o	54	75	3	3-4000	St.Cu	5	a.St	4	*
Flamborough Hd.	1028·7	+3	WNW	3	o	51	87	6	3-4000	St.Cu	9	—	-	*
†Felixstowe ...	1033·2	+1	WNW	2	em	51	92	3	-	-	-	a.St	1	3
†Cranwell (Lincs)	1031·4	+2	W	1	o	49	92	4	2·3000	St	5	a St	3	*
†Bedford ...	1032·4	+1	NSW	2	c3	50	87	4	2·3000	St	5	a.St	2	*
Benson	1033·0	+2	W	1	b	46	87	6	-	Cu	2	-	-	*
London (Kew Ob.)	1033·3	+1	WSW	1	bm	48	82	2	-	-	-	-	-	*
	7H. G.M.T. OF 18th													
†Houton B. (Orkney)	1022·9	-1	W	4	om	49	97	6	½-1000	S.Cu	8	A.St	2	4
Eskdalemuir ...	1030·3	0	SSW	3	om	47	97	4	½-1000	St	10	-	-	*
†Stranraer ...	1030·4	0	-	0	o	51	97	5	3-4000	S.Cu	9	-	-	*
†Lough Foyle ...														*
Valencia (Cahire'n)	1029·7	0	SE	3	o	52	82	8	-	S.Cu	10	-	-	2
†Anglesey (Llangefni)	1032·9	0	SSW	1	d	55	75	6	2-3000	Nb	10	-	-	5
Falmouth ...	1033·5	0	SSE	1	b	49	82	5	-	S.Cu	1	-	-	*
†Calshot (Hants) ...	1035·3	+1	-	0	om	44	92	2	3-4000	S.Cu	10	-	-	2
†Capel (Folkestone)	1035·5	+1	-	0	cz	45	97	5	-	-	-	Ci	7	3
§Aberdeen ...	1026·5	0	SW	2	bz	47	97	5	-	S.Cu	1	A.St	5	2
†East Fortune ...	1028·5	-1	W	3	c	51	82	5	3-4000	S.Cu	6	A.St	2	*
†Flamborough Hd.	1031·7	+1	N	2	c	56	92	4	2-3000	S.Cu	4	Ci	4	*
†Felixstowe ...	1034·9	+2	NNW	2	om	45	97	2	2-3000	St	10	-	-	3
†Cranwell (Lincs)	1033·6	0	W	2	c	44	92	4	2-3000	St	3	Ci	3	*
†Bedford ...	1034·0	+1	SW	2	om	42	92	3	2-3000	St	10	-	-	*
Benson	1034·5	+1	-	0	o	39	92	5	-	St	10	-	-	*
London ... ... (M.O. 21 In.)	1035·4	+1	-	0	omw	39	97	2	1-1500	St	10	-	-	*

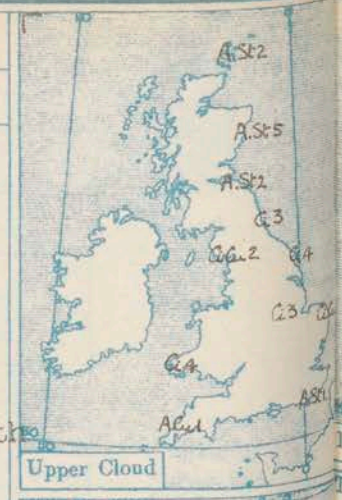
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 17th					**7H. G.M.T. of 18th**									**24 HOURS ENDED 7H. 18th**						**19th**
Lerwick ...	1021·4	47	W	3	odm	1019·9	0	50	+6	W	2	-	om	1	2	51	37	bcm	om	omd	*
Stornoway ...	1025·2	52	W	1	o	1022·7	-1	52	+11	WSW	4	-	o	3	2	53	41	o	op	op	1.3
Castlebay (Barra'ts)	1027·5	52	WSW	3	o	1025·5	0	52	+2	SW	4	-	o	4	1	54	49	fd cm	cm o	o	1.5
Glasgow ...	1028·8	52	WSW	3	om	1028·8	-1	50	-1	SW	3	-	o	*	Trace	54	49	odpm	om	ogdp	0.0
Malin Head ...	1028·4	52	SW	3	c	1027·2	-1	50	-2	SW	3	SW	c	1	-	55	40	c	c	c	2.2
Blacksod Point	1029·5	52	WSW	1	bc	1029·0	-2	53	+2	SSW	2	S	c	*	1	*	*	bcp	bc	om	*
Roche's Point ...	1031·4	53	SW	1	o	1032·0	-1	53	+5	S	2	-	o	2	-	57	47	oco	o	oco	*
Birr Castle ...	1031·8	52	SW	1	o	1030·9	*	48	+1	SW	2	-	o	*	-	54	43	og	og	co	0.0
Donaghadee ...	1030·4	53	SW	1	cm	1030·6	-1	49	+3	SW	1	-	c	1	-	57	34	bcm	bcm	cm	*
Liverpool (Bidston)	1032·0	51	W	4	o	1032·7	0	49	+1	SW	1	-	o	1	-	54	46	c	o	bbco	2.9
Holyhead ...	1032·4	52	WSW	3	og	1032·3	0	51	+1	SW	3	-	r	1	Trace	54	49	og	og	opd	0.0
Pembroke (St. Ann's Head)	1033·9	52	WSW	3	ov	1033·4	-1	52	+1	S	3	S	c	3	-	53	51	ov	ov	bv.bc	0.0
Scilly (St. Mary's)	1034·7	50	SSE	1	bc	1033·1	-1	50	+3	SSE	4	-	b	3	-	56	45	bc	bc	bcb	9.0
Jersey (St. Aubin)	1034·3	50	SW	1	b	1034·7	0	50	+12	SSE	2	-	b	1	-	57	39	bmb	b	bwx	9.5
Portland Bill ...	1033·5	52	W	2	b	1033·7	0	53	+4	SSE	2	S	c	2	-	55	47	b	b	bbc	*
Dungeness ...	1032·2	51	WSW	4	b	1034·5	+1	43?	+12	WNW	2	-	f	2	-	56	30	cb	b	bcxf	*
Wick	1024·1	48	WSW	2	opm	1023·7	0	47	+2	SW	2	-	c	1	Trace	51	44	om	om c op	ompbc	*
Nairn	1027·9	50	-	0	c	1024·2	*	50	+5	-	0	-	c	1	Trace	53	44	bc	cpg	cpg	2.9
Leith	1027·1	53	W	2	c	1027·1	0	51	-1	WSW	2	W	c	2	-	59	49	cz c bc	bcc gc	co cuo	
Tynemouth ...	1028·5	54	W	2	cm	1030·1	0	48	-2	W	2	-	bc	2	-	58	46	bcm	bcm	bcm	*
Spurn Head ...	1030·4	52	W	3	bcm	1032·1	0	49	+4	WSW	2	-	cm	3	-	54	41	bcm	bc	bcm	*
Yarmouth (Gorleston)	1029·6	52	WNW	2	c	1032·1	+4	49	+6	W	2	-	cm	2	-	52	36	bcm bm	cm	cm.osc	4.3
Clacton-on-Sea	1032·1	51	W	2	bc	1032·2	+1	46	+7	W	2	W	cm	2	-	57	39	cm bc	bc	bobcm	8.6
Nottingham ...	1031·9	51	W	2	bm	1033·6	*	41	-1	W	1	-	f	*	-	57	40	bm	bm	bm	7.7

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1h.

SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 18th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Var. 0-5	Cold	Dull, mist or fog.	Poor	Smooth
2. E. England	W. 0-5	R.cold	Dull, some mist or fog.	"	Slight
3. E. Midlands	Var. 0-5	"	Dull, some mist or fog.	Indiff.	–
4. W. Midlands	W-SW. 0-5	Moderate	Dull.	"	–
5. S.W. England	S. 5-15	"	Fine to cloudy.	Good	Slight
6. South Wales	S. 5-10	"	Cloudy	Fair	"
7. North Wales	SW. 5-10	"	Dull, local drizzle	"	V.smooth
8. N.W. England	SW.5-10	"	Overcast.	"	Smooth
9. N. Midlands	W-SW.0-10	R.cold	Dull, some mist or fog.	"	–
10. N.E. England	W-SW.5-10	Moderate	Fair or cloudy, local mist.	"	Slight
11. E. Scotland	WSW. 0-10	"	Cloudy.	"	Smooth
12. S.W. Scotland	W-SW. 5-15	R. warm	Dull, mist or fog, slight rain.	"	"
13. Isle of Man	SW. 5-10	Moderate	Dull.	"	"
14. N.&N.W.Scotland	W-SW.5-15	R.warm	Dull.	"	Slight
15. Hebrides	W-SW. 15	"	Overcast.	Ord.	Mod.
16. Orkneys and Shetlands	W. 5-20	Moderate	Overcast, some mist.	Var.	Slight
17. N.W. Ireland	SSW. 5-10	"	Cloudy.	Fair	Smooth
18. N.E. Ireland	SW. 0-5	"	Dull, local mist.	"	V.smooth
19. S.E. Ireland	S-SW. 5	"	Overcast.	"	Smooth
20 S.W. Ireland	SW-SE. 5-10	R.warm	Overcast.	V.good	"



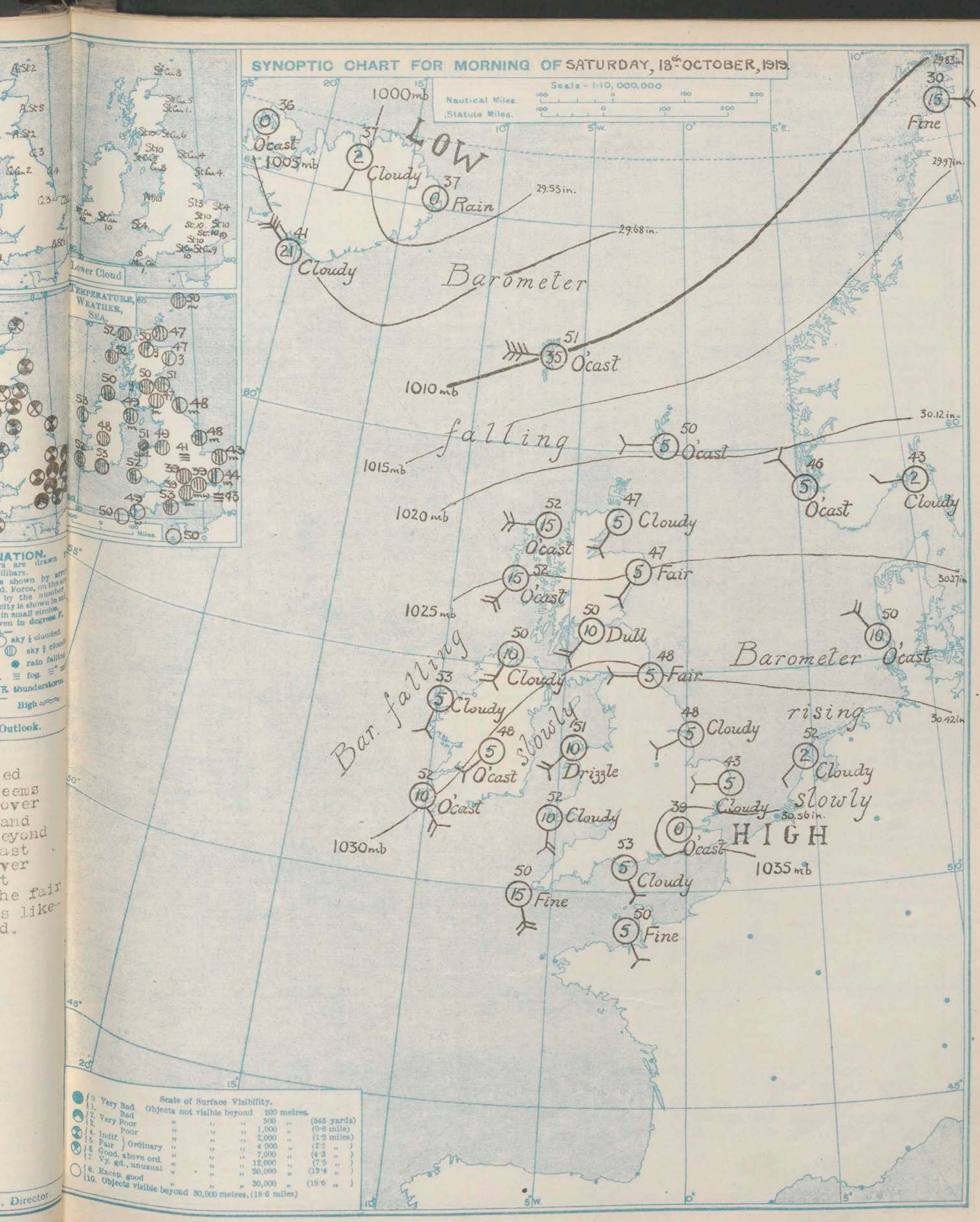
EXPLANATION.

BAROMETER.—Isobars are drawn at 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. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

A deep depression centred near Iceland is spreading south-east and will probably cause an increase of wind in our western and northern districts. The anticyclone centred over France is expected to maintain fair or cloudy weather over south-east England.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Saturday, 18th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands	Light variable to moderate SWly. breezes. Fair or cloudy, mist locally. Mild.	Unsettled weather seems probable over Scotland and Ireland beyond the forecast period. Over South-East England the fair weather is likely to hold.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Light SWly. breezes freshening. Cloudy or dull, some light rain at times locally, misty. Mild.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Moderate SWly. breezes freshening. Cloudy or dull, local showers or light rain at times. Rather mild.	
14. N.&N.W.Scotland 15. Hebrides 16. Orkneys and Shetlands	Strong to high SWly. to Wly. winds. Dull, some rain. Moderate temperature or rather mild.	
17. N.W. Ireland 18. N E. Ireland 19. S.E. Ireland 20 S.W. Ireland	Same as for Districts 11 to 13.	


SYNOPTIC CHART FOR MORNING OF SATURDAY, 18th OCTOBER, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
1000mb
1005mb
1010mb
1015mb
1020mb
1025mb
1030mb
1035mb
Barometer falling
Bar. falling slowly
Barometer rising slowly
HIGH
29.83in.
29.97in.
29.53in.
29.68in.
30.12in.
30.27in.
30.42in.
30.56in.
Lower Cloud
Temperature, Weather, Sea.
Scale of Surface Visibility.
0 Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
9. Objects not visible beyond 200 metres.
10. Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 291. B

Saturday 18th October, 19

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR ....17th.....

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. ...16th.	Rainfall. Day. 9h-18h. ...17th.	Sunshine.	Sunshine. Sunrise to Sunset 17th
Scotland.	Oban	r.op	o	55	38	4	1	*	1·0
	Banff	c	bc c	52	42	1	–	*	3·4
	Montrose	bc	bc o	52	43	-	-	*	4·1
	St. Andrews ...	b	c	62	42	-	-	*	5·4
England, N.E.	Scarborough ...	*	*	56	39	2	-	*	2·7
	Harrogate	c bc c	c bc b	56	34	-	-	*	4·9
	Skegness	c o	c	58	31	-	-	*	3·3
England, E.	Felixstowe	bc	bc	57	34	-	-	*	8·2
	Walton-on-Naze...								
	Southend-on-Sea...	bm	b	52	33	-	-	*	8·1
England, S.E.	Margate	b	b.bc c	54	35	-	-	*	4·5
	Ramsgate	bc	bc bm	55	30	-	-	*	7·2
	Folkestone	bm	b	57	35	-	-	*	7·0
	Hastings								
	Eastbourne... ...	c bc b	b	55	34	-	-	*	7·6
	Brighton	c bc	bc b	55	35	-	-	*	7·3
	Worthing	b	b	57	32	-	-	*	8·7
	Littlehampton ...								
	Bournemouth ...	*	*	57	31	-	-	*	9·0
	Tunbridge Wells	b	b	57	28	-	-	*	7·6
England, N.W.	Douglas (I.O.M.)								
	Blackpool	c	o	56	45	-	-	*	1·8
	Southport	o c	c o	56	46	-	-	*	1·5
Midlands.	Buxton	bc c b	bc c	50	31	-	-	*	0·7
	Leamington Spa...	bc	bc	56	33	-	-	*	6·8
	Malvern								
	Ross-on-Wye ...	b	b bc b	61	34	-	-	*	7·1
Wales.	Rhyl	bc	bc	54	44	-	-	*	2·6
	Colwyn Bay ...	*	*	56	45	-	-	*	3·7
	Llandudno	bc	bc	54	46	-	-	*	4·0
	Aberystwyth ...	bc o	o c o	57	?	*	*	*	0·4
England, S.W.	Weymouth								
	Teignmouth ...	b	b bc c	57	34	-	-	*	9·0
	Torquay	b	b	56	38	-	-	*	9·6
	Paignton	b	bm	56	32	-	-	*	9·4
	Penzance	b	b.bc	57	39	-	-	*	10·0
	Newquay	b	b	54	35	-	-	*	8·7
	Bude	b	b	57	39	-	-	*	6·9
	Ilfracombe	c bc	bc c	56	46	-	-	*	1·8
	Weston-s-Mare ...	o c	c o	54	34	-	-	*	0·0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h. 17th	Weather 13h-18h. 17th	Weather 18h-1h. 18th	Weather 1h-7h. 18th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	r p	r p	pq	pq	49	43	*	*	*	*
Eskdalemuir	odmo	o	o od o	o.om	53	45	45	1	Trace	0.0
†Stranraer	c o	odp	o	c o	56	46	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen) ...	ov	of v	c o c o		55	50	47	-	-	0.2
†Anglesey (Llangefni) ...	c o	o		o.c o	53	46	*	*	*	*
Falmouth	bx bq	bq bqq	bmw	b w	57	39	31	-	-	9.8
†Calshot (Hants)	b bc	b	b bc	om	57	36	*	*	*	*
†Capel (Folkestone)... ...	bq cq	bv	bq	bz	49	43	*	*	*	*
Aberdeen	bc b	c op om	c b c z		54	44	33	-	-	3.7
†East Fortune	cq oq	om	bc c w	bc c w	60	49	*	*	*	*
†Flamborough Head...	cq oq	cq oq	c.o	c o z	56	45	*	*	*	*
†Felixstowe	bq bcq	bc cme	bq bcq	b b o z	56	37	*	*	*	*
†Cranwell (Lincs) ...	b b c c	b c c o	bc cw	bc c w	57	41	*	*	*	*
†Bedford	bq bcq	bq bcq	bq w	b b c o	55	37	*	*	*	*
Benson	bc	bc		b c o	55	31	24	-	-	*
London (Kew Obsy.) ...	bc mq bc mw	b bc b bm	bm. om w		55	34	26	-	Trace	7.6

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.

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- 1·6
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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—
Aurora ⌂ Solar halo ⊕
Rime ⚹ Lunar halo ⊚
Glazed frost ⌔ Solar corona ⊙
Glazed roads ⌔ Lunar corona ⊚

LONDON. OBSERVATIONS.

24 HOURS ENDED 9h G.M.T. ...18th.....

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. Yesterday.	Humidity % 9 h. G.M.T. To-day.
Greenwich (Royal Observatory)	b	b	b fo	57	36	24	-	8.4	59	89
City (Bunhill Row)	*	*	*	*	*	*	*	5.3	*	*
Westminster (St. James's Park)	*	*	*	58	37	29	-	*	65	93
,, (Admiralty Arch				57	40	*	-	7.5	75	90
Camden Sq. (British Rainfall)	bc z bc	bc	*	58	38	34	-	6.6	61	62
Kensington Palace	b	b	*	57	36	29	-	*	89	97

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total .....727..... Joules.

Milliwatts.
Average Rate. 19·1
Maximum Rate. 37.

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

...18th & 19th October... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	6.25	11.38	4.51
	6.26	11.38	4.50
Greenwich	6.30	11.45	5.0
	6.31	11.45	4.59
Wick ...	6.56	11.57	4.58
	6.58	11.57	4.56
Valencia ...	7.12	12.26	5.40
	7.13	12.26	5.38

NOTES ON THE WEATHER OF YESTERDAY.

Over Ireland, Scotland and North-West England the day was dull and mild with light rain or drizzle locally. The temperature reached 62°F. at St. Andrews.

Over the rest of England the day was fair or fine. As much as 10 hours of sunshine were recorded at Penzance. Over east and south England the temperature at night fell to below 35°F. at most stations.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 21159 B Sunday 19th OCTOBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H. G.M.T. 19th													
†Houton B. (Orkney)	1021·9	-2	W	7	r. f1	50	92	4	1-1500	Cu. Nb	10	-	-	6
Eskdalemuir ...	1030·5	0	SW	4	0	50	75	7	-	St. Cu	10	-	-	*
†Stranraer ...	1032·5	+1	SW	2	bc	52	92	8	2-3000	St	4	Ci. Cu	2	*
†Lough Foyle ...														
Valencia (Cahire'n)	1029·8	0	S	4	c	57	65	10	3-4000	St. Cu	7	-	-	4
†Anglesey (Llangefni)	1033·4	-1	S	3	o	52	82	8	2-3000	St. Cu	10	-	-	3
Falmouth ...	1033·7	-1	SE	2	bcq3	57	55	5	-	-	-	Ci. St	6	*
†Calshot (Hants) ...	1035·6	0	-	0	o	55	65	5	2-3000	St	10	-	-	3
†Capel (Folkestone)	1035·9	0	WNW	3	c	53	65	5	2-3000	Cu	?	-	-	2
Aberdeen ...	1026·5	0	S	2	o3,	54	75	6	-	St. Cu	10	-	-	2
†East Fortune ...	1029·5	0	WSW	4	o	52	75	6	3-4000	St. Cu	10	-	-	*
†Flamborough Head.	1032·9	0	WSW	2	of2	53	75	4	3-4000	St. Cu	8	A. Cu	1	*
†Felixstowe ...	1035·4	-1	NW	2	3,	53	75	3	4-5000	St. Cu	5	A. Cu	4	3
†Cranwell (Lincs)	1033·6	-1	W	2	o	54	75	8	4-5000	St. Cu	7	A. St	2	*
†Bedford ...	1034·8	0	WSW	3	3,	59	155	5	5-7000	F. Cu	4	A. Cu	3	*
Benson ...	1035·9	-1	SW	1	b	53	85	5	-	-	-	-	-	*
London (Kew Ob.)	1035·5	-1	SW	2	om,	53	65	5	2-3000	St. Cu	10	-	-	*
	1H. G.M.T. OF 19th													
†Houton B. (Orkney)	1024·9	+2	W	7	od	50	92	6	1-1500	Nb	9	-	-	6
Eskdalemuir ...	1032·5	+1	S	1	o	47	92	5	-	St	10	-	-	*
†Stranraer ...	1032·7	-1	-	0	bc	49	98	-	2-3000	St	4	-	-	*
†Lough Foyle ...														*
Valencia (Cahire'n)	1028·4	0	SSW	3	og	59	*	*	*	*	*	*	*	*
†Anglesey (Llangefni)														
Falmouth ...	1033·4	0	SE	2	bw	51	98	6	-	-	-	-	-	*
†Calshot (Hants) ...	1036·4	+1	-	0	bc	40	98	-	<500	St	10	-	-	2
†Capel (Folkestone)	1036·6	+1	SW	1	b	47	75	3	-	-	-	-	-	*
§Aberdeen ...	1026·3	+1	SSW	2	b	44	65	-	4-5000	St Cu	2	-	-	*
†East Fortune ...	1031·1	+1	WSW	2	c	51	75	-	2-3000	St Cu	8	-	-	*
†Flamborough Hd														*
†Felixstowe ...	1037·0	+2	WNW	1	b	43	92	2	-	-	-	-	-	2
†Cranwell (Lincs)	1035·0	+1	WSW	1	b	40	98	3	5-7000	St	1	-	-	*
†Bedford ...	1035·7	+1	WSW	1	bcf	47	92	3	1-1500	St	4	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1036·1	0	-	0	b	44	*	*	*	*	*	*	*	*

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF 18th													
†Houton B. (Orkney)	1022·5	+1	W	9	ok	50	98	4	½-1000	St Cu	9	-	-	8
Eskdalemuir ...	1031·1	-1	SSW	4	o	48	82	6	-	St	9	a St	1	*
†Stranraer ...	1031·4	0	SW	4	o	50	98	5	½-1000	Nb	5	Ci St	4	*
†Lough Foyle ...														
Valencia (Cahire'n)	1029·4	0	SSE	3	o	54	75	8	4-5000	St Cu	8	a St	1	3
†Anglesey (Llangefni)	1033·1	0	S	1	o	47	92	5	-	-	-	a Cu	9	3
Falmouth ...	1033·6	-1	SSE	2	bq	52	52	6	-	-	-	-	-	*
†Calshot (Hants) ...	1035·7	+1	SSW	1	b	53	92	6	-	-	-	-	-	4
†Capel (Folkestone)	1036·5	+1	WNW	1	c	47	75	3	-	-	-	a St	3	2
Aberdeen ...	1027·1	+2	SSW	3	b	52	75	6	-	St Cu	2	-	-	2
†East Fortune ...	1029·8	0	W	3	o	52	75	6	2-3000	St Cu	10	-	-	*
†Flamborough Head.	1032·8	0	WSW	1	of	49	87	3	4-5000	St	8	a St.	2	*
†Felixstowe ...	1036·1	+2	W	1	bq	48	92	2	5-7000	St Cu	1	3a Ci	2	3
†Cranwell (Lincs)	1034·7	+1	SSW	1	c	44	98	4	4-5000	St	3	Ci	4	*
†Bedford ...	1035·2	0	SSE	1	bq	50	75	3	2-3000	St	2	-	-	*
Benson ...	1034·7	0	-	0	b	44	92	6	-	-	-	-	-	*
London (Kew Ob.)	1035·7	0	-	0	bm	47	87	2	-	-	-	-	-	*
	7H. G.M.T. OF 19th													
†Houton B. (Orkney)	1026·0	+1	SW	1	bcw	46	98	5	½-1000	Cu	4	A. Cu	2	2
Eskdalemuir ...	1031·7	0	S	3	om	46	98	4	1-1500	St	10	-	-	
†Stranraer ...	1031·6	0	-	0	o	48	98	3	2-3000	St	10	-	-	*
†Lough Foyle ...														*
Valencia (Cahire'n)	1027·5	0	SSE	4	o	57	87	7	1-1500	St. Cu	9	A. Cu	1	3
†Anglesey (Llangefni)	1034·0	0	S	3	o	49	75	8	3-4000	St. Cu	4	A. St	5	3
Falmouth ...	1033·2	0	SSE	1	bw	51	87	5	-	-	-	Ci. St	1	*
†Calshot (Hants) ...	1035·7	0	-	0	cf1	42	98	1	-	-	-	-	-	2
†Capel (Folkestone)	1037·7	+2	-	0	c	47	98	5	-	-	-	Ci	7	1
§Aberdeen ...	1029·6	+1	SW	1	b	43	98	7	-	-	-	-	-	2
†East Fortune ...	1031·4	+1	S	2	bc	44	87	6	3-4000	St. Cu	4	Ci	2	*
†Flamborough Hd	1034·6	0	W	1	b3	38	98	?	-	-	-	Ci	1	*
†Felixstowe ...	1035·0	+2	NW	1	bc. ef	36	98	0	-	-	-	A. St	2	2
†Cranwell (Lincs)	1035·8	0	S	2	bc	36	98	4	2-3000	St	2	Ci	4	*
†Bedford ...	1036·8	+1	SE	1	cf2	38	92	?	<500	-	-	Ci. St	7	*
Benson	1036·1	+1	-	0	f1	31	98	0	-	-	-	-	-	*
London ... ... (M.O. at 1H.)	1037·2	+2	-	0	fe	36	98	0	-	-	-	-	-	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.
	18H. G.M.T. of 19th					7H. G.M.T. of 19th								
Lerwick ...	1017·6	51	WSW	5	odm	1024·8	+1	51	+1	SW	2	-	om	1
Stornoway ...	1024·8	53	W	5	o	1025·1	0	52	0	SSW	4	-	o	3
Castlebay (Barra Hd)	1026·7	53	WSW	4	o	1026·5	0	52	0	SSW	4	SW	c	4
Glasgow ...	1030·3	50	SW	2	om	1030·7	0	45	-5	SSW	1	-	b3	*
Malin Head ...	1028·2	53	SW	1	c	1027·1	0	47	-3	SSW	3	SW	bcm	1
Blacksod Point	1027·8	54	SSW	2	bc	1025·9	0	53	0	S	2	-	om	2
Roche's Point ...	1031·3	54	SSE	4	c	1030·7	0	55	+2	SE	4	-	o	4
Birr Castle ...	1030·3	50	SE	1	c	1029·5	*	51	+3	SSE	1	-	o	*
Donaghadee ...	1030·7	50	SW	1	cm	1030·2	0	47	-2	-	0	-	om	0
Liverpool (Bidston)	1033·7	50	W	1	c	1033·1	0	42	-7	SSE	2	-	b	2
Holyhead ...	1032·3	52	SW	4	b	1032·1	0	52	+1	S	4	-	cq	3
Pembroke (St. Ann's Head)	1033·7	52	SSE	3	b	1032·9	0	54	+2	SSE	3	-	b	3
Scilly (St. Mary's)	1032·6	52	SE	3	b	1032·4	0	52	+2	SSE	4	-	bc	4
Jersey (St. Aubin)	1033·4	55	ESE	2	bm	1035·1	0	52	+2	SE	3	-	b	3
Portland Bill ...	1034·4	55	SSE	2	b	1034·0	0	55	+2	SE	3	-	bc	2
Dungeness ...	1035·7	51	WSW	2	bc	1035·9	0	43	0	N	2	-	bm	2
Wick	1022·9	51	SW	3	bc	1025·4	0	49	+2	SW	3	-	bc	2
Nairn	1026·0	52	W	2	c	1027·2	*	49	-1	-	0	-	cq	1
Leith	1029·1	52	SW	2	c	1030·1	0	45	-6	W	1	-	o	1
Tynemouth ...	1031·1	51	-	0	om	1032·9	0	43	-5	WSW	1	-	bm	1
Spurn Head ...	1034·8	51	WSW	2	cm	1035·1	0	43	-5	SW	1	-	bcm	3
Yarmouth (Gorleston)	1034·1	48	W	1	bc	1036·2	+1	42	-1	W	1	-	bcm	1
Clacton-on-Sea	1035·6	48	SW	2	bc	1036·8	+2	42	-4	SSW	1	-	bcm	1
Nottingham ...	1034·5	46	SSE	1	c	1035·5	*	35	-6	-	0	-	fe	*

STATIONS.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	24 HOURS ENDED 7H. 19th						18th
Lerwick ...	7	52	48	om	om	omd	*
Stornoway ...	-	55	50	o	o	o	0·9
Castlebay (Barra Hd)	Trace	54	52	op bc	co	o.c	3·6
Glasgow ...	-	51	44	o	omo	ombq	0·0
Malin Head ...	-	56	46	c	c	bcm	0·0
Blacksod Point	-	56	43	bc	bc	omo	*
Roche's Point ...	-	57	53	o bc	bc c	c.om	*
Birr Castle ...	-	58	48	c	c	o	3·9
Donaghadee ...	-	56	48	cm	cgm	om	*
Liverpool (Bidston)	-	54	41	bc	bc	bc	3·4
Holyhead ...	-	55	50	o c	o c bc b	do. bw. c	2·1
Pembroke (St. Ann's Head)	-	56	52	c bc	bc b	b	4·5
Scilly (St. Mary's)	-	56	49	bc	b	bc	7·3
Jersey (St. Aubin)	-	57	45	b	bm	bmw	8·7
Portland Bill ...	-	58	51	bc	b	b	
Dungeness ...	-	59	33	f bc	bc	b. bcm	
Wick	-	56	46	cq	cq	bc	*
Nairn	0·2	55	47	cg bc	bc cp	cg. w	0·7
Leith	-	54	44	cu. o. c	o	oo. cuo	
Tynemouth ...	-	55	41	cm	om	bcm	*
Spurn Head ...	-	58	41	cm o c	c	bcm	*
Yarmouth (Gorleston)	-	57	40	cm	bcm	cm. bcm	2·2
Clacton-on-Sea	-	55	40	co cm	cm bq3	bq3. bm	1·2
Nottingham ...	-	55	34	om	o cm	bc. b	0·9

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside + at 1h

SUMMARY OF CONDITIONS AT 7 A.M. Sunday, 19th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Var. 0-5	Cold	Variable sky; local mist & fog.	V. poor	Smooth
2. E. England	" 0-5	"	Fine or fair; local mist & fog	" "	"
3. E. Midlands	Calm	V. cold	Fine or fair; foggy	Bad	-
4. W. Midlands	SSE-SSW 5	Cold	" " "	--	
5. S.W. England	SSE 5 15	Mod.	" " "	Indiff.	Slight
6. South Wales	SSE 10	"	" " "	Fair	"
7. North Wales	SSE S 10 15	"	Fair to dull	Good	"
8. N.W. England	SSE S 5 10	R. cold	Fine or fair	Poor	"
9. N. Midlands	S SW 0 5	Cold	" " "	..	
10. N.E. England	SW W 2-5	"	Variable sky; local mist & fog	V. Poor	Smooth
11. E. Scotland	S W 0 10	R. Cold	Variable cloud	Good	"
12. S.W. Scotland	S SSW 0-10	Mod.	Fine or dull; local mist & haze	Indiff.	"
13. Isle of Man	SSW 10	"	Fair or dull	"	Slight
14. N.& N.W. Scotland	SW 10 15	"	Fair or cloudy	Ord.	"
15. Hebrides	SSW 15	R. Warm	Cloudy or dull	"	Mod.
16. Orkneys and Shetlands	SW 5	" "	Fair to cloudy; mist at Shetlands	Indiff.	Smooth
17. N.W. Ireland	S SSW 5 10	Mod.	Dull; misty	Poor	"
18. N.E. Ireland	SSW 0 10	"	Fair or dull; misty	"	"
19. S.E. Ireland	SSE 2 10	R. Warm	Dull; local mist	Indiff.	Slight
20 S.W. Ireland	SE SSE 15	" "	Dull	Fair	Mod.

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. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in degrees F.

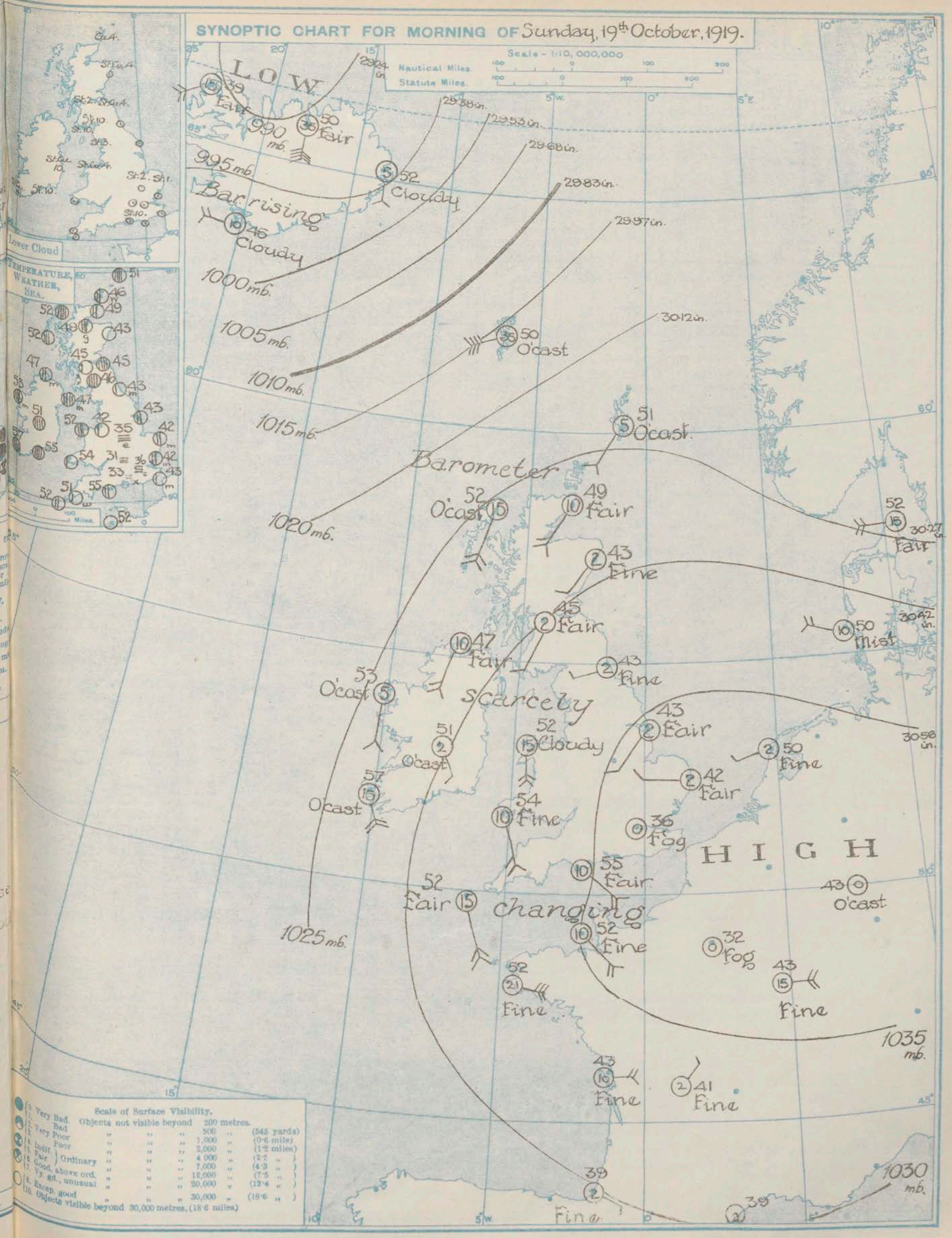
WEATHER SYMBOLS.—clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.

SEA DISTURBANCE.—Rough. High.

GENERAL INFERENCE from observations received up to 9 a.m.

An anticyclone over SE. England, NE. France and Central Europe is expected to maintain fair weather over the greater part of the country with mist or fog locally. In the North of Scotland and in Ireland cloudy weather will probably prevail under the influence of the depression centred over Iceland.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Sunday, 19th October, 1919.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light Sly. to Wly. breezes. Fair or fine, morning mist or fog locally. Mild day, cold night.	Fair weather will probably be maintained over the South of England. Elsewhere the outlook is uncertain.
5. S.W. England 6. South Wales	Light Sly. or Ely. breezes. Fair or fine. - Mild in day.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light or moderate Sly. breezes. Fair or cloudy. Rather mild.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind SW. to W., moderate, fresh in places. Cloudy, local showers. Mist locally. Moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate Southerly breezes. Cloudy, mist locally. Rather mild	


SYNOPTIC CHART FOR MORNING OF Sunday, 19th October, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
990 mb.
995 mb.
1000 mb.
1005 mb.
1010 mb.
1015 mb.
1020 mb.
1025 mb.
1030 mb.
1035 mb.
Bar rising
Barometer scarcely changing
HIGH
29.24 in.
29.38 in.
29.53 in.
29.68 in.
29.83 in.
29.97 in.
30.12 in.
30.27 in.
30.42 in.
30.58 in.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
0. Very Bad. Objects not visible beyond 200 metres.
1. Bad " " " 500 " (545 yards)
2. Very Poor " " " 1,000 " (0·6 miles)
3. Poor " " " 2,000 " (1·2 miles)
4. Indif. " " " 4,000 " (2·2 ")
5. Fair } Ordinary " " " 7,000 " (4·3 ")
6. Good, above ord. " " " 12,000 " (7·5 ")
7. V. gd., unusual " " " 20,000 " (12·4 ")
8. Excep. good " " " 30,000 " (18·6 ")
10. Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 292 B { SUNDAY 19th OCTOBER 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 18th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 17	Rainfall. Day. 9h-18h. 18	Sunshine.	Sunshine. Sunrise to Sunset. 18
Scotland.	Oban	or	oro	53	50	4	0·3	*	0·0
	Banff	c	bc c	57	45	-	-	*	1·9
	Montrose	bco	o	53	41	1	-	*	1·2
	St. Andrews								
England, N.E.	Harrogate	o	o	54	44	-	-	*	0·7
	Skegness								
England, E.	Felixstowe	bcm	bcm	54	40	-	-	*	1·6
	Walton-on-Naze								
	Southend-on-Sea	bm	bm	55	40	-	-	*	1·0
England, S.E.	Margate	obcb	cbcc	53	44	-	-	*	3·6
	Ramsgate	bc	bc	54	40	-	-	*	5·2
	Folkestone	f bm	bcm	57	44	-	-	*	6·8
	Hastings								
	Eastbourne	c	c bc	55	37	-	-	*	3·7
	Brighton								
	Worthing	c	b	58	35	-	-	*	4·3
	Littlehampton	*	*	58	?	-	-	*	4·0
	Bournemouth	*	*	59	36	-	-	*	6·0
	Tunbridge Wells	omo	o.c.bm	55	32	-	-	*	2·3

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 17	Rainfall. Day. 9h-18h. 18	Sunshine.	Sunshine. Sunrise to Sunset. 18
England, N.W.	Douglas (I.O.M.)								
	Blackpool								
	Southport	oco	oco	54	45	-	-	*	0·0
Midlands.	Buxton	*	*	52	42	-	-	*	1·9
	Leamington Spa	ocb	b	57	35	-	-	*	3·8
	Ross-on-Wye	cmbc	bcb	58	43	-	-	*	5·3
Wales.	Rhyl								
	Colwyn Bay								
	Llandudno								
	Aberystwyth	cbc	bcc	56	?	*	*	*	4·7
England, S.W.	Weymouth								
	Teignmouth								
	Torquay	o.c.b.	b.	57	40	-	-		5·7
	Paignton	cbc	b	59	34	-	-	*	5·6
	Penzance								
	Newquay								
	Bude	b	b	60	34	-	-	*	8·2
	Ilfracombe								
	Weston-s-Mare								

STATIONS.	Summaries for past 24 Hours. Weather 7h-13h. 18	13h-18h. 18	18h-1h. 19	1h-7h. 19	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	pq	⌒p	⌒p	⌒p	55	35	*	*	*	*
Eskdalemuir	omo	o	oco	om	50	43	41	-	-	0·0
†Stranraer	c ov	fa	bc c	o2	55	42	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen)	oc	oco	o		58	52	51	-	-	3·2
†Anglesey (Llangefni)	o	bc c		c.o	54	46	*	*	*	*
Falmouth	bbcy3	by by3	by w	bw	59	49	38	-	-	8·3
†Calshot (Hants)	bbco	by bc3	bbco	ef2	57	36	*	*	*	*
†Capel (Folkestone)	bc3 o3	by bc3	by bc3	bz	?	?	*	*	*	*
Aberdeen	c3 o3	c bc3	bc.bwx		55	38	30	-	-	2·6
†East Fortune	cq	c	c	b.bc	54	43	*	*	*	*
†Flamborough Head	cf	cf		zx	54	37	*	*	*	*
†Felixstowe	co of	c3 o3	bbcme	b.ef2	53	35	*	*	*	*
†Cranwell (Lincs)	bcco	co	bc cw	b.bcx	57	31	*	*	*	*
†Bedford	3 w	by bc3	by bc3	efx	56	30	*	*	*	*
Benson	obc	b	bf w		57	30	-	-	-	*
London (Kew Obsy.)	omwom	omcbbm	bm.fe		54	33	26	-	Trace	2.4

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—
Aurora — Solar halo
Rime — Lunar halo
Glazed frost — Solar corona
Glazed roads — Lunar corona

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 Hours ended 9h G.M.T. 19							Yesterday.		To-day.
Greenwich (Royal Observatory)	o	c.bc	bmfx	55	34	25	-	2·2	63	91
City (Bunhill Row)	*	*	*	*	*	*	*	-	*	*
Westminster (St. James's Park)	*	*	*	-	-	-	-	-	-	-
" (Admiralty Arch	of.om	bcm.	bm	55	39	*	-	1·0	69	92
Camden Sq. (British Rainfall)	fc	c	*	55	35	32	-	0·3	59	100
Kensington Palace	bc	b	*	55	32	28	-	*	94	96

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ..... Joules.

Milliwatts.

Average Rate. -

Maximum Rate. -

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

19th & 20th October 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.26	11.38	4.50
	6.28	11.38	4.49
Greenwich	6.31	11.45	4.59
	6.33	11.45	4.57
Wick	6.50	11.57	4.56
	7.0	11.57	4.54
Valencia	7.13	12.26	5.38
	7.15	12.26	5.36

NOTES ON THE WEATHER OF YESTERDAY.

The weather was fair over the greater part of the country. Some light rain fell in parts of Scotland. 7 mm. were measured at Lerwick, but elsewhere rainfall amounts were small or nil. Sunshine amounts were variable. In the the North of Ireland and the North of England, also in parts of Scotland little or no sunshine was recorded. At Jersey, 8.7 hrs. were recorded. Temperatures were about normal or above normal. At night the temperature fell below 35° F at some inland stations in South-west England.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No21,151 B MONDAY, 20th OCTOBER ....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind Direc.	Wind Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility 0-10	Height of Low Cloud Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H. G.M.T. ....19th....													
†Houton B. (Orkney)	1025.8	-2	SW	3	o	52	75	6	5-7000	St Cu	10	-	-	2
Eskdalemuir ...	1031.7	0	SSW	5	om	62	75	5	2-3000	St Cu	9	-	-	*
†Stranraer ...	1030.8	-1	SSW	4	c	58	92	3	2-3000	St	4	Ci St	3	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1026.6	-1	SSE	5	or	58	92	5	½-1000	St	10	-	-	3
†Anglesey (Llangefni)	1032.2	-3	SSE	4	c	57	75	8	3-4000	St-Cu	4	Ci Cu	4	4
Falmouth ...	1033.3	-1	SSE	4	bz	59	65	6	-		-	Ci	1	*
†Calshot (Hants) ...	1036.2	-1	-	0	bc	59	65	2	-	-	-	Ci	6	2
†Capel (Folkestone)	1036.2	0	S	1	bz	55	87	5	-	-	-	a St	1	1
Aberdeen ...	1029.6	-1	SSW	2	cz	54	65	6	-	St Cu	7	-	-	2
†East Fortune ...	1030.9	-2	WSW	2	om	53	82	4	2-3000	St Cu	10	-	-	*
†Flamborough Hd.	1033.2	-2	SW	3	bm	52	75	2	-	-	-	a St	3	*
†Felixstowe ...	1037.3	-1	SSW	2	b	56	75	5	-	-	-	Fa Ci	2	
†Cranwell (Lincs)	1034.8	-1	WSW	1	bc	61	75	6	2-3000	St	1	Ci	2	*
†Bedford ...	1035.4	-1	SW	2	bcz	62	55	5	-	-	-	Ci St	4	*
Benson	1035.6	-1	SSE	1	b	57	75	5	*	*	*	*	*	*
London (Kew Ob.)	1036.1	-2	WSW	1	me	55	85	3	-	-	-	Ci	9	*
	1H. G.M.T. OF ....20th....													
†Houton B. (Orkney)	1025.4	-2	SSW	1	cz	46	98	6	3-4000	St Cu	5	a Cu	2	1
Eskdalemuir ...	1031.6	0	SE	1	bm	44	92	2	-	-	-	-	-	*
†Stranraer ...	1029.8	-1	SSE	2	bc	52	98	-	2-3000	St	4	-	-	*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1023.9	-3	SSW	5	bcpq	57	*	*	*	*	*	*	*	*
†Anglesey (Llangefni)														
Falmouth ...	1031.2	-2	SSE	4	bw	54	92	5	-	-	-	-	-	*
†Calshot (Hants) ...	1035.1	-1	-	0	o	49	98	5	2-3000	St	8	-	-	4
†Capel (Folkestone)	1036.5	0	SSE	2	b	46	98	3	-	-	-	-	-	*
§Aberdeen ...	1027.9	-1	S	3	o	50	92	4	3-4000	St Cu	10	-	-	*
†East Fortune ...	1029.7	0	SSW	1	b	51	75	-	-	-	-	-	-	*
†Flamborough Hd.														*
†Felixstowe ...	1036.4	-1	NW	1	fe	40	98	0	-	-	-	-	-	2
†Cranwell (Lincs)	1035.5	0	SE	1	bw	37	98	2	-	-	-	a St	2	*
†Bedford ...	1034.8	0	SE	1	f	32	98	-	-	-	-	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (P.O. at 1H.)	1035.9	0	-	0	fe	43	*	*	*	*	*	*	*	*

STATIONS.	Barom at M.S.L. m.b.	‡ Change in 3 hours.	Wind Direc.	Wind Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility 0-10.	Height of Low Cloud. Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF ....19th....													
†Houton B. (Orkney)	1026.7	+3	SSW	3	bc	47	87	6	4-5000	St. Cu	3	F. Ci	1	3
Eskdalemuir ...	1031.3	0	SSW	4	c	50	75	6	-	St Cu	4	a Cu	3	*
†Stranraer ...	1030.6	0	S	3	o	54	92	1	½-1000	St	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1025.0	0	SSE	4	o	57	87	7	1½-2000	St	9	a St	1	3
†Anglesey (Llangefni)														*
Falmouth ...	1032.8	0	SE	3	bcz	54	82	3	-	St Cu	4	-	-	
†Calshot (Hants) ...	1036.4	+1	-	0	c	60	92	4	4-5000	Cu	5	a St	3	3
†Capel (Folkestone)	1037.0	+1	-	0	bz	50	92	3	-	-	-	a St	2	2
Aberdeen ...	1029.3	0	SSW	2	bz	50	92	6	-	St Cu	2	-	-	2
†East Fortune ...	1030.3	0	WSW	2	c	55	75	-	2-3000	St Cu	8	-	-	*
†Flamborough Hd.														*
†Felixstowe ...	1037.1	+1	SSW	2	b	49	98	4	-	-	-	a St	2	1
†Cranwell (Lincs)	1035.2	+2	S	1	b	45	98	4	5-7000	St	1	Ci	1	*
†Bedford ...	1035.4	0	SSE	1	bz	53	75	-	2-3000	-	-	Ci St	1	*
Benson	1035.0	0	-	0	b	46	98	4	-	-	-	-	-	*
London (Kew Ob.)	1036.0	+1	-	0	bm	48	92	2	-	St Cu	1	-	-	*
	7H. G.M.T. OF ....20th....													
†Houton B. (Orkney)	1022.5	-3	SSW	1	r₀ f₁	48	98	5	1-1500	St. Cu	6	A. St	3	0
Eskdalemuir ...	1025.8	-1	S	2	c3.	45	82	6	-	St	5	A. Cu	2	*
†Stranraer ...														*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1023.5	0	S	5	o	57	92	6	½-1000	St	10	-	-	4
†Anglesey (Llangefni)	1029.5	-1	SSE	5	o	51	82	8	4-5000	St	4	A. St	6	6
Falmouth ...	1029.9	-1	SE	2	cw	52	82	6	-	-	-	A. Cu	7	*
†Calshot (Hants) ...	1035.7	-1	E	2	3₁	50	98	5	5-7000	Cu	8	-	-	4
†Capel (Folkestone)	1034.9	-1	SE	2	bc	48	98	4	-	-	-	Ci St	?	1
§Aberdeen ...	1025.7	-1	SSW	3	3₁	49	82	5	-	St. Cu	5	F. Ci	3	2
†East Fortune ...	1026.6	-3	WNW	1	c	49	75	5	4-5000	St. Cu	7	-	-	*
†Flamborough Hd.	1032.7	-1	SSW	3	3₂	41	92	5	-	-	-	A. St	7	*
†Felixstowe ...	1035.8	+1	?	4	ef₂	36	98	0	-	-	-	-	-	-
†Cranwell (Lincs)	1034.8	-1	SSE	1	bc	34	98	4	2-3000	St	2	Ci	4	*
†Bedford ...	1034.8	0	N	1	f₂	30	98	0	-	-	-	-	-	*
Benson	1033.2	0	S	1	ef₁	34	98	1	-	-	-	-	-	*
London ... ... (P.O. at 1H.)	1034.3	0	-	0	fw	41	98	0	-	-	-	-	-	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b. (18H. G.M.T. of 19th)	Temp. °F. (18H)	Wind Direc. (18H)	Wind Force 0-12. (18H)	Weather (18H)	Barometer at M.S.L. m.b. (7H. G.M.T. of 20th)	‡ Change in 3 hours.	Temperature Temp. °F.	Change in 24 hours.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud.	Weather	Sea 0-9.	Rainfall mm.	Temp. Max. °F. (24 hours ended 7H. 20th)	Temp. Min. °F.	Weather Morning.	Weather Afternoon.	Weather Night.	Sunshine Hours. (19th)
Lerwick ...	1025.8	50	S	3	om	1021.2	-3	50	-1	S	3	-	bcm	1	0.1	53	48	om	om	bcm	*
Stornoway ...	1024.6	53	S	4	bc	1017.4	-3	54	+2	S	6	-	opq	5	1	55	51	o bc	bc	opq	2.1
Castlebay (Barrals)	1025.1	53	SSE	4	om	1019.0	-2	52	0	S	4	-	or	5	3	54	51	c om	om	ompor	2.3
Glasgow ...	1030.3	52	SSW	3	cm	1027.4	-1	50	+5	SSW	3	S	c	*	-	56	44	bz o cm	cm	c. bc. c	1.1
Malin Head ...	1024.0	57	S	2	c	1019.1	-3	52	+5	S	4	S	om	3	-	62	46	bcm	c	c	3.4
Blacksod Point	1023.1	61	S	4	c	1021.7	0	57	+4	SSW	4	-	oqd	4	9	62	52	bc	c. o	cq	*
Roche's Point...	1029.6	55	SSE	4	o	1027.5	-1	55	0	S	4	-	o	4	-	57	54	om	om	om	*
Birr Castle ...	1028.3	53	S	3	c	1024.9	*	53	+2	S	2	-	o	*	-	60	51	c	c	c. o	1.4
Donaghadee ...	1029.2	54	SSW	3	om	1025.6	0	53	+6	SSW	4	-	bcm	3	-	59	47	bcm	bm	om	*
Liverpool (Bidston)	1032.9	53	SE	2	b	1030.3	-2	44	+2	SE	3	S	bc	2	-	57	42	bc	b	bm. bc	4.9
Holyhead ...	1031.3	56	SSW	4	bcg	1028.3	-2	52	0	SSW	5	-	c	4	-	58	51	c o bc	bc c	b. bc. c	1.5
Pembroke (St. Ann's Head)	1032.6	53	SSE	3	bcz	1029.7	-1	53	-1	SE	4	S	cz	4	-	57	53	bz	bz bcz	b. bc	6.2
Scilly (St. Mary's)	1031.9	53	SSE	4	bc	1029.1	-2	53	+1	SE	3	-	bc	4	-	57	51	bcm	bcm	b. bc	[illegible]4
Jersey (St. Aubin)	1033.7	58	E	2	bm	1031.8	0	52	0	E	3	E	bc	3	-	61	49	b	bm	bm. bcm	8.5
Portland Bill ...	1034.4	57	SE	3	bc	1031.5	-1	56	+1	SE	4	[illegible]	c	3	-	60	54	bc	bc	b	*
Dungeness ...	1036.1	52	SW	1	o	1033.7	-1	52	+9	S	2	-	b	2	-	58	41	c b	b	b	*
Wick	1026.0	50	SW	3	bcm	1020.6	-2	52	+3	SSW	4	-	omq	3	-	55	47	bcz	cq bcm	bcm. bc	*
Nairn	1028.1	46	-	0	c	1021.7	*	53	+4	-	0	-	bc	0	-	56	44	c. bc. cg	cg	bcw	5.6
Leith	1029.8	54	W	1	o	1026.1	-1	52	+7	SW	3	SW	c	1	-	55	46	o. c. om	om. o	o. cz. o	*
Tynemouth ...	1031.4	55	WSW	1	bcm	1028.6	?	46	+3	SW	1	-	bcm	1	-	60	42	bcm	bcm	bc	*
Spurn Head ...	1034.7	52	S	2	bc	1033.0	-1	45	+2	S	3	-	bcmw	2	0.1	60	42	bcm	bc	bm. b. m	7.2
Yarmouth (Gorleston)	1035.2	49	SW	2	o	1034.0	-2	41	-1	SW	3	-	bcf	2	0.[illegible]	59	40	bcm	bz [illegible]	bz. bzw	[illegible]
Clacton-on-Sea	1035.3	51	SE	1	bc	1034.8	-2	47	+5	SSE	1	-	bcm	2	0.4	50	41	bcm	bcm	bmf	8.8
Nottingham ...	1034.9	48	S	?1	b	1033.1	*	35	0	W	1	-	mw	*	-	50	31	f cm	c bm	bm	6.8

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside ‡ at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Monday, 20th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SE-S 0-5	r. cold	Variable sky, fog inland	bad	smooth
2. E. England	Var. 2-10	Cold	Fair to dull, mist or fog	poor	smooth
3. E. Midlands	S-W 0-2	"	Cloudy or dull, mist or fog.	poor	
4. W. Midlands	SE-SW 2-10	"	Fair to dull local mist		
5. S.W. England	SE 5-15	Moderate	Fair to dull	fair	slight
6. South Wales	SE-S 15	"	Fair to cloudy, local haze	ord.	moderate
7. North Wales	SE-SW 20	"	Cloudy or dull	good	r. rough
8. N.W. England	SE-S 5-10	r. cold	Fair to dull	ord.	smooth
9. N. Midlands	S-SW 2-10	Cold	Fair to dull, local mist		
10. N.E. England	S-SW 2-10	r. cold	Fair, cloudy, misty	poor	smooth
11. E. Scotland	S-SW 5-15	Moderate	Fair to dull	fair	smooth
12. S.W. Scotland	S-SW 5-10	" "	Cloudy	ord.	slight
13. Isle of Man	SW 10-15	"	Fair to dull		"
14. N.&N.W. Scotland	SW 10-15	r. mild	Dull		"
15. Hebrides	S 15-28	"	Dull, rain, local squalls	---	r. rough
16. Orkneys and Shetlands	S-SW 2-10	"	Fair to dull, misty, local rain.	ord.	v. smooth
17. N.W. Ireland	S-SW 10-15	"	Dull, local squalls, and drizzle	---	moderate
18. N.E. Ireland	S-SW 15	"	Fair to dull, misty	-	slight
19. S.E. Ireland	S-SW 5-10	"	Dull	ord.	moderate
20. S.W. Ireland	S 15-20	"	Dull	fair	"

EXPLANATION.

BAROMETER.—Isobars are drawn at 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. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in degrees F.

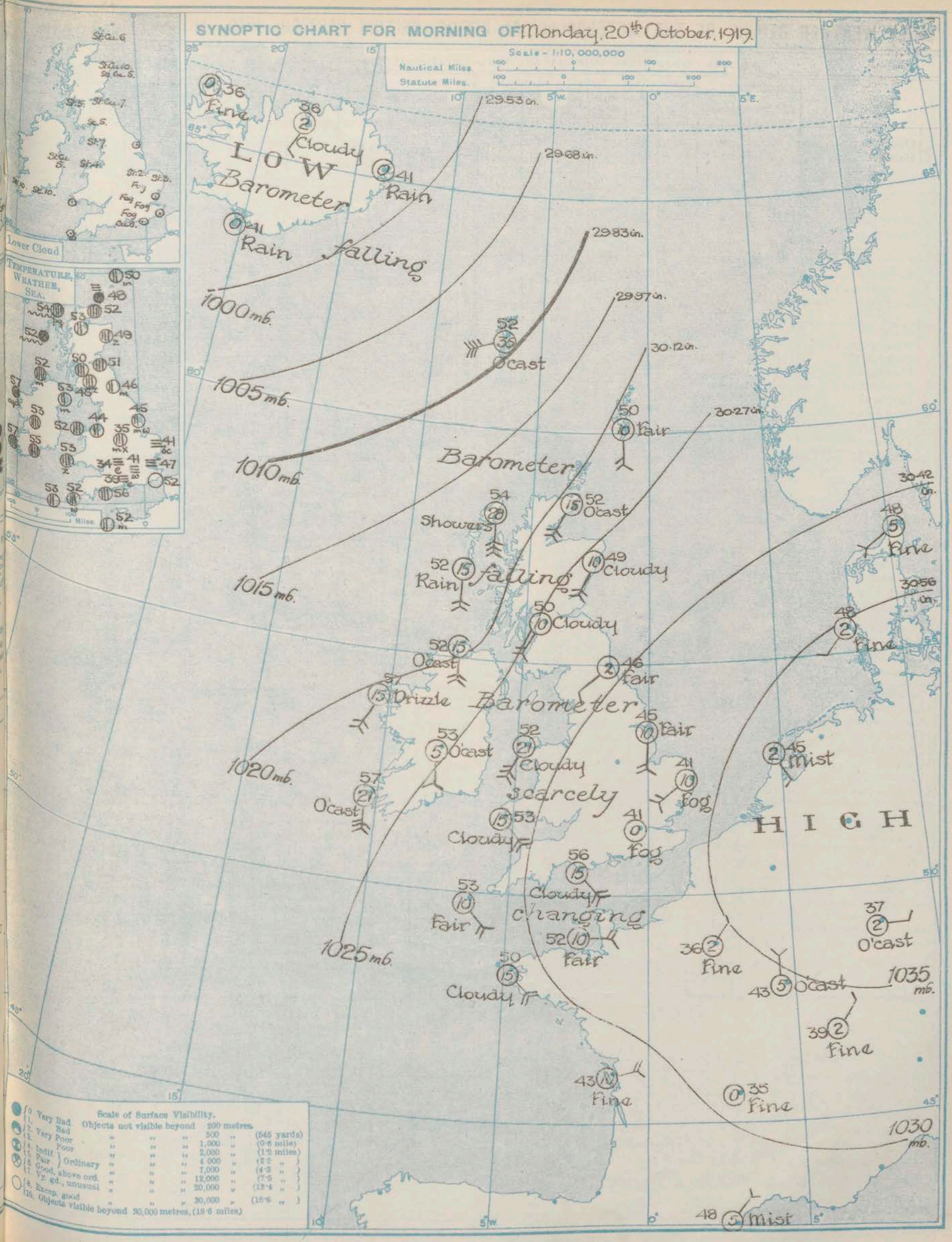
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.

SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

It appears probable that the anticyclone will continue to recede in an easterly direction, while depressions gradually encroach over our western and northern districts from the Atlantic.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Monday, 20th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands	Wind light, mainly from the southward. Fair or cloudy, mist or fog at times. No important change of temperature.	Less settled weather conditions are likely to extend over the Kingdom from the westward.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind south or southwest, light or moderate, fresh locally, cloudy generally. Moderate temperature.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind south or southwest, light or moderate, fresh locally. cloudy or dull, showers in places, mild.	


SYNOPTIC CHART FOR MORNING OF Monday, 20th October, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Lower Cloud
TEMPERATURE, WEATHER, SEA.
LOW
Barometer falling
Barometer falling
Barometer scarcely changing
HIGH
1000 mb.
1005 mb.
1010 mb.
1015 mb.
1020 mb.
1025 mb.
1030 mb.
1035 mb.
29.53 in.
29.68 in.
29.83 in.
29.97 in.
30.12 in.
30.27 in.
30.42 in.
30.56 in.
Scale of Surface Visibility.
0 Very Bad. Objects not visible beyond 200 metres.
1 Bad " " " 500 " (545 yards)
2 Very Poor " " " 1,000 " (0·6 mile)
3 Poor " " " 2,000 " (1·2 miles)
4 Indif. } Ordinary " " " 4 000 " (2·5 ")
5 Fair } " " " 7,000 " (4·3 ")
6 Good, above ord. " " " 12,000 " (7·5 ")
7 Vy. gd., unusual " " " 20,000 " (12·4 ")
8 Excep. good " " " 30,000 " (18·6 ")
10 Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 293 B (Monday 20th October 1919)

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 19th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 18th	Rainfall. Day. 9h-18h. 19th	Sunshine.	Sunshine. Sunrise to Sunset. 19th
Scotland.	Oban	bc	b	58	43	-	-	✳	3.3
	Banff								
	Montrose								
	St. Andrews ...								
England, N.E.	Harrogate	b	b	62	36	-	-	✳	7.7
	Skegness								
England, E.	Felixstowe	bcf	bcm	55	36	-	-	✳	8.1
	Walton-on-Naze...								
	Southend-on-Sea...	bmbw	b	61	40	-	-	✳	7.0
England, S.E.	Margate								
	Ramsgate	✳	✳	55	40	-	-	✳	8.3
	Folkestone	cbw	b bc	60	33	-	-	✳	8.4
	Hastings								
	Eastbourne... ...	cbc b	b	59	36	-	-	✳	8.1
	Brighton	bcbm	bc bm	59	37	-	-	✳	7.8
	Worthing	b	b	62	37	-	-	✳	7.5
	Littlehampton ...	bm	bm	60	50	-	-	✳	7.8
	Bournemouth ...	✳	✳	61	33	-	-	✳	8.2
	Tunbridge Wells	b	b	61	35	-	-	✳	6.6

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 18th	Rainfall. Day. 9h-18h. 19th	Sunshine.	Sunshine. Sunrise to Sunset. 19th
England, N.W.	Douglas (I.O.M.)								
	Blackpool								
	Southport	bbc by	bbc b	59	39	-	-	✳	6.5
Midlands.	Buxton								
	Leamington Spa...	cbbc	b	60	32	-	-	✳	5.2
	Ross-on-Wye ...	f	cbcb	62	32	-	-	✳	7.4
Wales.	Rhyl	bc	bc	56	46	-	-	✳	5.5
	Colwyn Bay ...	✳	✳	62	45	-	-	✳	5.8
	Llandudno	bc	bc	64	42	-	-	✳	5.1
	Aberystwyth ...								
England, S.W.	Weymouth								
	Teignmouth ...								
	Torquay	b	b bc	60	42	-	-	✳	7.9
	Paignton	bmb	bm	61	35	-	-		7.8
	Penzance	b	bbc	60	53	-	-	✳	8.0
	Newquay	b	b bc	59	44	-	-	✳	7.2
	Bude								
	Ilfracombe								
	Weston-s-Mare ...								

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h. 19th	Weather 13h-18h. 19th	Weather 18h 19th-1h 20th	Weather 1h-7h 20th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	cq	b.bcq	3	n3	55	45	✳	✳	✳	✳
Eskdalemuir	om	om c	cbcbbm	bmbccy	52	42	35	-	-	0.1
†Stranraer	o3	o3	bcc				✳	✳	✳	✳
†Lough Foyle							✳	✳	✳	✳
Valencia (Cahireiveen) ...	o or	or o	or.o		60	56	55	+	9	0.0
†Anglesey (Llangefni) ...	c o			bc.c.o	58	47	✳	✳	✳	✳
Falmouth	bb3	bc3 b3	b bw	bw.bc	60	50	46	-	-	7.6
†Calshot (Hants)	f	c o	b	f_2	62	35	✳	✳	✳	✳
†Capel (Folkestone)... ...	b3 bo3	b3 bc3	b3 bo3	b.3	55	44	✳	✳	✳	✳
Aberdeen	bbc o3	b bc3	b.bcwy		56	42	39	-	-	5.6
†East Fortune	?	om	bbc	b.bc	55	42	✳	✳	✳	✳
†Flamborough Head...	bf			b.bcef	57	40	✳	✳	✳	✳
†Felixstowe	b3 bo3	b3 bo3	b fe	$b.ef_2$	56	34	✳	✳	✳	✳
†Cranwell (Lincs) ...	bbc	bbc	bbc	w.b.bc	61	33	✳	✳	✳	✳
†Bedford	b3 bc3	3	bf	f_2 ∀w	61	27	✳	✳	✳	✳
Benson	b	b	bx.fe		60	30	-	-	0.1	✳
London (Kew Obsy.) ...	fem	bm	f.fx.fw		58	34	27	-	0.1	5.0

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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. Metre per second.
0	Less than 1	Less than 0.2
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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora ⌂ Solar halo ⊕
Rime ∀ Lunar halo ⊖
Glazed frost ⊂⊃ Solar corona ⊕
Glazed roads ⊂⊃ Lunar corona ⊖

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 HOURS ENDED 9h G.M.T. 20th							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	bm	bm	bmx.f:	59	34	24	-	5.0	62	95
City (Bunhill Row)	✳	✳	✳	✳	✳	✳	✳	0.0	✳	✳
Westminster (St. James's Park)	✳	✳	✳	48	34	30	-	0.0	94	100
" (Admiralty Arch	bf	bf	bf	56	41	✳	-	0.4	71	96
Camden Sq. (British Rainfall)	-	-	✳	48	30	32	-	0.0	-	100
Kensington Palace	bf bcf	of	✳	59	36	30	-	✳	100 GBN	93

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total .....357..... Joules.

Milliwatts.

Average Rate. 9.5

Maximum Rate. 21

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

20th to 21st October, 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	6.28	11.38	4.48
	6.30	11.38	4.46
Greenwich	6.33	11.45	4.57
	6.35	11.45	4.55
Wick ...	7.0	11.57	4.54
	7.3	11.57	4.51
Valencia ...	7.15	12.26	5.36
	7.17	12.26	5.34

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to 60° or above over a large portion of England, Wales and Ireland, the highest reading being 64° at Llandudno. Slight frost occurred at night in the English Midlands, but in the north and west of the Kingdom the minimum readings were about 50°. In Ireland and Scotland the weather was cloudy, but as a whole the sunshine records over England were moderate to high; about 9 hours at Clacton and Yarmouth. Slight rain was experienced in the Hebrides and Shetland and 9mm at Blacksod Point. In the southeast of England small quantities of water were deposited in the gauge by dew, wet fog or mist.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21,152B ...TUESDAY, 21ST OCTOBER..1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
13H. G.M.T. ....20TH.....														
†Houton B. (Orkney)	1020·2	-2	SSW	4	r, f_2	50	92	3	2-3000	St	10	-	-	3
Eskdalemuir ...	1027·9	-2	S	4	$c3_1$	52	75	4	2-3000	St.Cu	6	A.St	2	*
†Stranraer ...	1026·8	-1	S	4	r	54	98	4	½-1000	Nb	2	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1024·4	+1	S	4	o	59	92	7	½-1000	St	9	-	-	4
†Anglesey (Llangefni)	1028·0	-2	S	4	o	54	75	7	1-1500	St	10	-	-	5
Falmouth ...	1029·2	+2	SSE	2	c	58	75	6	-	-	-	A.Cu	7	*
†Calshot (Hants) ...	1032·1	-1	SE	3	o	56	87	5	-	-	-	A.St	9	4
†Capel (Folkestone)	1034·1	-1	-	0	3	57	65	5	-	-	-	Ci	4	2
Aberdeen ...	1024·7	-1	S	4	om.	52	75	5	-	St.Cu	10	-	-	2
†East Fortune ...	1026·1	0	SSW	3	o	55	75	6	5-7000	St	4	F.Ci	5	*
†Flamborough Head	1031·0	-3	SSW	4	f_2	52	82	4	-	-	-	Ci.St	5	*
†Felixstowe ...	1034·4	+1	S	3	bc	56	87	4	-	-	-	F.Ci	5	2
†Cranwell (Lincs)	1031·5	-3	SSE	2	c	53	75	6	2-3000	St	1	Ci	4	*
†Bedford ...	1032·7	-1	SSE	1	f_1	60	55	1	4-5000	St	5	A.Cu	3	*
Benson	1031·5	-2	SSE	3	em.	56	55	4	*	*	*	*	*	*
London (Kew Ob.)	1033·1	-2	SSW	2	cm	56	82	3	-	-	-	Ci.St	4	*
1H. G.M.T. OF ..21ST....														
†Houton B. (Orkney)	1022·1	+2	SE	1	o	51	92	6	1½-2000	St.Cu	10	-	-	1
Eskdalemuir ...	1029·6	+1	S	1	om	50	98	2	½-1000	St	10	-	-	*
†Stranraer ...	1028·0	+2	—	0	o	54	97	?	2-3000	St	10	-	-	*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1027·4	0	SSW	3	omd	55	*	*	*	*	*	*	*	4
†Anglesey (Llangefni)	1029·2	0	S	2	o	52	87	?	2-3000	St.Cu	10	-	-	3
Falmouth ...	1029·3	0	SSE	3	o	51	98	4	-	St	10	-	-	*
†Calshot (Hants) ...	1031·3	0	SE	2	3	52	97	5	-	-	-	-	-	3
†Capel (Folkestone)	1033·2	-1	S	2	b_1	47	92	3	2-3000	St	3	-	-	2
Aberdeen ...	?1025·0	+2	SE	3	bc	50	75	?	5-7000	Cu.nb	5	-	-	*
†East Fortune ...	1026·8	0	WNW	2	c	56	82	?	1½-2000	St.cu	8	-	-	*
†Flamborough Head	1030·0	0	SW	2	o	47	92	4	-	-	-	-	-	*
†Felixstowe ...	1033·0	-2	-	0	b_1	49	92	?	3-4000	St	3	-	-	3
†Cranwell (Lincs)	1031·6	+1	SE	1	o	42	98	2	1½-2000	St.	7	A.St	3	*
†Bedford ...	1032·0	0	-	0	b, f_1	43	92	1	2-3000	St.	2	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1032·0	0	-	0	bm.	48	*	*	*	*	*	*	*	*

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
18H. G.M.T. OF ....20TH.....														
†Houton B. (Orkney)	1020·3	0	SSW	2	o	52	98	4	3-4000	Cu	6	Ast	3	1
Eskdalemuir ...	1028·0	+1	SSW	4	oz	50	82	3	1-1500	St	6	Ast	4	*
†Stranraer ...	1026·7	0	S	4	o	54	98	?	½-1000	Nb	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1025·3	+2	S	4	o	57	92	5	<500	St	10	-	-	4
†Anglesey (Llangefni)	1029·9	0	S	3	o	53	87	5	1-1500	St.cu	10	-	-	5
Falmouth ...	1029·7	+1	SSE	1	ofe	51	86	1	-	-	-	-	-	*
†Calshot (Hants) ...	1030·4	-1	SE	2	om.	54	92	5	-	-	-	Ast	8	4
†Capel (Folkestone)	1033·1	0	E	2	o	47	97	4	-	-	-	Ast	10	2
Aberdeen ...	1024·1	+1	SSW	5	bc2	52	82	5	-	St.cu	4	-	-	2
†East Fortune ...	1026·3	0	SW	1	c	?57	75	9	5-7000	St.cu	8	-	-	*
†Flamborough Head	1030·3	+2	S	4	of,	51	87	5	3-4000	St	8	A.St	2	*
†Felixstowe ...	1033·7	+2	S	1	oem	49	98	3	-	-	-	A.St	9	2
†Cranwell (Lincs)	1031·1	+2	SSW	1	bc	46	98	4	2-3000	St	3	A.St.	2	*
†Bedford ...	1031·7	0	SSE	2	of,	54	?	1	1½-2000	St.	10	-	-	*
Benson	1030·9	0	SSE	3	c	51	65	5	-	-	-	-	-	*
London	1032·3	0	-	0	cm	50	75	2	-	-	-	Ci	8	*
7H. G.M.T. OF ....21ST....														
†Houton B. (Orkney)	1022·7	0	E	1	o	49	97	6	1-1500	St	10	-	-	?0
Eskdalemuir ...	1026·6	0	S	2	ome	50	97	3	1-1500	St	10	-	-	
†Stranraer ...	?1027·7	0	SSE	2	o3	53	97	?	½-2000	St	10	-	-	*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1024·7	-1	SSE	3	bc	56	87	8	2-3000	Cu	3	Ci	1	3
†Anglesey (Llangefni)														
Falmouth ...	1028·8	0	-	0	ofe	51	97	1	-	St.Cu	10	-	-	*
†Calshot (Hants) ...	1030·9	0	ESE	3	of,	52	97	2	<500	St	10	-	-	4
†Capel (Folkestone)	1032·2	0	S	3	o3	49	92	3	1-1500	St	6	a.St	2	3
Aberdeen ...	1025·4	+1	SW	1	bc3	47	97	3	-	St.Cu	2	a.Cu	3	2
†East Fortune ...	1026·7	+3	—	0	c	45	92	5	5-7000	St.Cu	3	a.Cu	5	*
†Flamborough Head	1029·7	0	—	0	b3	44	87	2	-	-	-	Cu.St	1	*
†Felixstowe ...	1032·8	0	SSW	3	o3	48	97	2	1½-2000	St	10	-	-	3
†Cranwell (Lincs)	1030·9	0	SE	1	c	40	97	4	2-3000	St	3	Ci	5	*
†Bedford ...	1031·3	+1	S	1	of,	44	92	0	4-5000	St.Cu	6	a.St	4	*
Benson	1029·8	-2	SSE	1	o3	45	97	3	-	St	10	-	-	*
London	1031·3	0	-	0	fw	42	97	0	-	-	-	-	-	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

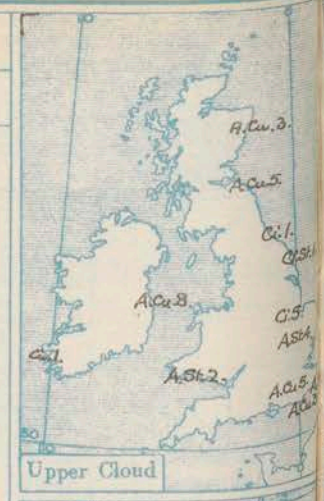
STATIONS.	Barom. at M.S.L. m b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.
	18H. G.M.T. of ..20TH.....					7H. G.M.T. of ..21ST....								
Lerwick ...	1018·4	53	S	4	om	1023·2	+1	48	-2	-	0	-	omp	1
Stornoway ...	1019·1	55	SSW	5	od	1021·3	-1	54	0	SSW	4	-	od.p	3
Castlebay (Barra Is)	1021·2	55	SW	4	op	1023·3	0	54	+2	SW	4	-	od	4
Glasgow ...	1026·1	53	SSW	3	omq	1026·8	+1	54	+4	SW	3	-	odm	*
Malin Head ...	1021·1	56	S	4	cm	1022·9	0	56	+4	SSW	2	SW	cm	2
Blacksod Point	1022·2	56	SSW	3	omd	1023·5	0	55	-2	S	2	-	om	3
Roche's Point...	1027·9	55	SSE	3	r	1027·6	-1	55	0	SSE	1	-	o	2
Birr Castle ...	1026·1	56	S	2	c	1026·3	*	54	+1	SSE	1	S	c	*
Donaghadee ...	1025·2	54	SSW	3	om	1025·5	0	53	0	SW	2	-	om	2
Liverpool (Bidston)	1029·4	52	SSE	2	o	1028·8	-1	46	+2	SE	2	SW	c	2
Holyhead ...	1029·0	59	S	4	ogm	1028·3	-1	50	-2	S	2	-	bm	0
Pembroke (St. Ann's Head)	?1029·5	54	SE	2	oz	1028·9	0	52	-1	ESE	2	S	omp	2
Scilly (St. Mary's)	1029·1	54	SSE	2	om	1028·8	-1	53	0	SSE	2	S	cf	3
Jersey (St. Aubin)	1030·3	56	E	3	b	1029·8	0	54	+2	SE	3	-	o	3
Portland Bill ...	1029·8	57	ESE	4	o	1028·2	-1	58	+2	SSE	3	-	o	3
Dungeness ...	1031·9	53	E	2	bc	1031·3	0	51	-1	SSW	2	-	c	0
Wick	1019·9	54	SSE	4	omq	1022·7	0	53	+1	SSW	3	-	cm	2
Nairn	1021·2	56	WSW	3	c	1023·4	*	54	+1	-	0	-	bc	1
Leith	1025·2	56	SW	2	o	1025·8	0	52	0	W	1	-	o	1
Tynemouth ...	1028·0	52	SW	1	cm	1028·3	0	46	0	SW	2	-	cf	1
Spurn Head ...	1031·1	52	S	3	c	1030·6	0	45	0	S	3	-	cmw	2
Yarmouth (Gorleston)	1031·9	48	S	3	bc	1031·0	-1	48	+7	SSW	3	-	cfe	3
Clacton-on-Sea	1032·3	51	SE	3	bc	1031·7	0	49	+2	SSE	2	-	of	2
Nottingham ...	1031·0	49	S	1	o	1030·3	*	41	+6	SE	1	S	cm	*

STATIONS.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	24 HOURS ENDED 7H. ..21ST.....						....20TH....
Lerwick ...	1	54	41	cm	omd	omr	*
Stornoway ...	9	55	49	od.q.	od.p.	odp.	0.0
Castlebay (Barra Is)	2	55	51	nd	d.op.	opd	0.0
Glasgow ...	1	55	49	c.om.	omdp.	omd.p	0.0
Malin Head ...	1	57	50	omr	om	o	1.4
Blacksod Point	1	57	52	omd	omd	om	*
Roche's Point...	1	57	55	opdom	omr	op.om	*
Birr Castle ...	-	59	52	o.c.	c.	oq	0.0
Donaghadee ...	1	56	52	odm	om	om	*
Liverpool (Bidston)	-	54	44	c.o.	c.o	o.c	1.8
Holyhead ...	-	56	49	ogm	ogm	c.bm	0.0
Pembroke (St. Ann's Head)	-	56	50	cz	oz.	o.cm	0.4
Scilly (St. Mary's)	-	56	52	bc.cm	om	of.c	0.2
Jersey (St. Aubin)	-	64	48	bcm.c.	c.bc.b.	b.o	4.8
Portland Bill ...	-	59	54	c.	o.	o	*
Dungeness ...	-	58	37	bm.bc	bc	bc	*
Wick	1	55	50	omq.p.c.	omq	omq.cm	*
Nairn	-	58	50	bc.cgw.	c.bc.c.	bcw	1.3
Leith	-	58	51	cz.c.o	o.c.o	acmq.o	*
Tynemouth ...	-	55	45	cm	cm	om	*
Spurn Head ...	0.1	56	44	bcm.c.	b	ocm	*
Yarmouth (Gorleston)	0.1	54	40	bcf.cz.	bcm.c.	bcm.cm	6.3
Clacton-on-Sea	0.3	55	44	bcmfm.	bcm	bcm.f.	7.0
Nottingham ...	-	59	33	cm	c.om.	o	2.0

† Air Ministry Station. Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1H

SUMMARY OF CONDITIONS AT 7 A.M. Tuesday, 21st October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Sly. 0-10	R. cold	Cloudy or dull, inland fog.	V. poor	Smooth
2. E. England	S-SW. 0-10	"	Cloudy or dull, fog on coast.	Bad	Slight
3. E. Midlands	SE-S. 2	"	Cloudy or dull, local mist.	Poor	–
4. W. Midlands	SE-SW. 0-5	Moderate	Cloudy or dull.	–	–
5. S.W. England	SSE. 0-10	"	Cloudy or dull, local mist or fog.	V. poor	Slight
6. South Wales	SE. 5	"	Cloudy or dull, local mist and showers.	"	Smooth
7. North Wales	S. 5	"	Fine, local mist.	Poor	"
8. N.W. England	SE-SW. 5	"	Cloudy or dull.	V. poor	"
9. N. Midlands	S-SW. 2-5	R. cold	Cloudy or dull, local mist.	Poor	–
10. N.E. England	S-SW. 0-10	"	Fair to cloudy, local mist or fog.	V. poor	Smooth
11. E. Scotland	SW-W. 0-10	Moderate	Fair to dull.	Variable	Smooth
12. S.W. Scotland	S-SW. 0-10	R. mild	Dull, local mist and drizzle.	Poor	"
13. Isle of Man	S-SW. 5	Moderate	Fair to dull, local mist.	–	"
14. N.& N.W. Scotland	SW. 0-10	R. mild	Fair to dull, local mist.	–	"
15. Hebrides	S-SW. 15	"	Dull, drizzling.	–	Slight
16. Orkneys and Shetlands	E. 0-2	Moderate	Dull, local mist and showers.	Fair	V. smooth
17. N.W. Ireland	S-SW. 5	R. mild	Dull, local mist.	–	Smooth
18. N.E. Ireland	SW. 5	"	Cloudy or dull, misty.	–	"
19. S.E. Ireland	SE-S. 2-5	Mild	Cloudy.	Ord.	"
20. S.W. Ireland	SSE. 2-10	R. mild	Fair to dull.	Good	"

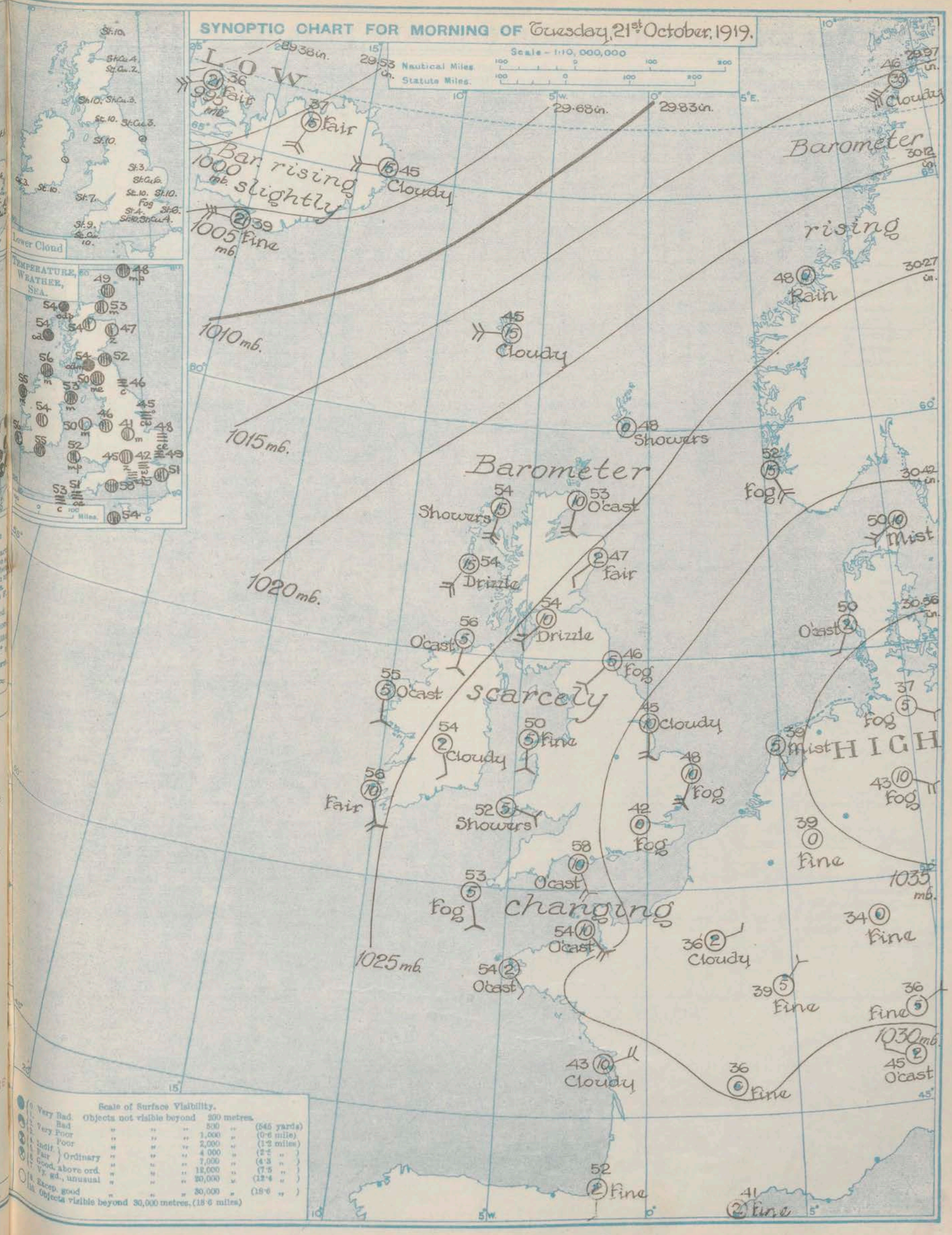


EXPLANATION.
BAROMETER.—Isobars are drawn intervals of five millibars.
WIND.—Direction is shown by ar flying with the wind. Force, on the 0-12, is indicated by the numbe feathers. Mean velocity is shown in per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clou overcast sky. rain falli snow. hail. fog. T. thunder. ⚡ thunderstorm
SEA DISTURBANCE.— Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

There are no definite indications of any important change in the pressure distribution. It is probable that depressions over the Icelandic region or on the Atlantic will cause occasional rain or drizzle in the most western and north-western parts of the Kingdom while the eastern and southern districts continue dry and, apart from mist or fog, generally fair.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 21st October, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Wind mainly between SE. and S. light. Fair or cloudy, some mist or fog. Temperature moderate or mild generally, rather low in night and early morning.	The indications are not at all definite but it appears rather probable that the relatively low pressure on the Atlantic will extend gradually over the British Isles, and bring about less stable weather conditions generally.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind Sly. light. Cloudy, some mist locally. Little change of temperature.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S. or SW. light or moderate. Cloudy or overcast, some mist, occasional local drizzle. Little change of temperature.	


SYNOPTIC CHART FOR MORNING OF Tuesday, 21st October, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
Barometer rising slightly
Barometer rising
Barometer scarcely changing
HIGH
1000 mb.
1005 mb.
1010 mb.
1015 mb.
1020 mb.
1025 mb.
1030 mb.
1035 mb.
29.38 in.
29.53 in.
29.68 in.
29.83 in.
29.97 in.
30.12 in.
30.27 in.
30.42 in.
30.56 in.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
0. Very Bad. Objects not visible beyond 200 metres.
1. Bad " " " 500 " (546 yards)
2. Very Poor " " " 1,000 " (0·6 mile)
3. Indif. } Poor " " " 2,000 " (1·2 miles)
4. Fair } Ordinary " " " 4 000 " (2·5 ")
5. Good, above ord. " " " 7,000 " (4·3 ")
6. Vy. gd., unusual " " " 12,000 " (7·5 ")
7. Exceptional " " " 20,000 " (12·4 ")
8. Exceep. good " " " 30,000 " (18·6 ")
9. Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 294 B { Tuesday 21st October

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 20th October

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 19th	Rainfall. Day. 9h-18h. 20th	Sunshine.	Sunshine. Sunrise to Sunset. 20th
Scotland.	Oban	cr.	or	55	50	1	8	*	0.0
	Banff	o	o.cz.c.	57	45	-	1	*	0.0
	Montrose	bc.o.	of	55	46	-	-	*	0.5
	St. Andrews	o	c	57	41	-	-	*	0.2
England, N.E.	Harrogate	o.c.	o.c.	57	41	-	-	*	0.5
	Skegness	m.bc.	c.o.c.	57	40	-	-	*	3.9
	Scarborough	-	-	60	53	-	-	*	1.5
England, E.	Felixstowe	bcf.	bcm	55	35	-	-	*	7.3
	Walton-on-Naze								
	Southend-on-Sea	mo.b.	b.bc.c.	59	51	-	-	*	5.0
England, S.E.	Margate	c.o.m.bc	b.bc	56	45	-	-	*	5.0
	Ramsgate	bc.	o	56	46	-	-	*	5.0
	Folkestone	fe.f.mb	bcfem	62	47	-	-	*	6.3
	Hastings							*	
	Eastbourne	bc.	bc.c.	59	37	-	-	*	5.7
	Brighton	bc.	bc.c.	59	42	-	-	*	6.7
	Worthing	b.	b.bc	61	42	-	-	*	6.0
	Littlehampton	fe.b.	om	61	51	-	-	*	5.4
	Bournemouth	o	o	60	35	0.1	-	*	3.4
	Tunbridge Wells	b.	bc.o.b.	60	38	-	-	*	3.7
England, N.W.	Douglas (I.O.M.)							*	
	Blackpool	o.c.	o.	55	43	-	-	*	1.5
	Southport	o.c.o.	o.c.o.	55	43	-	-	*	1.3
Midlands.	Buxton	bc.bc.b.	b.bc.b.	55	40	-	-	*	3.1
	Leamington Spa	o.c.cb.	c.bm	59	30	1	-	*	2.6
	Ross-on-Wye	f.c.bc.	cm	59	34	-	-	*	3.2
Wales.	Rhyl	bc.	bc.c.	59	43	-	-	*	0.6
	Colwyn Bay	-	-	60	49	-	-	*	0.2
	Llandudno	om	o	60	45	-	-	*	0.1
	Aberystwyth	o.c.c.	c.o.o.	59	53	-	-	*	0.3
England, S.W.	Weymouth	c.	c.	62	53	-	-	*	2.7
	Teignmouth	c.	bc	59	40	-	-	*	1.5
	Torquay	c.	c.bc.c.	59	49	-	-	*	2.8
	Paignton	c.	bc.cm	60	41	-	-	*	2.5
	Penzance	c.bc.	bc.o.	58	54	-	-	*	3.0
	Newquay	c.b.	cf.	58	48	-	-	*	2.0
	Bude	w.bc.b.	bd.d.c.co	60	42	-	-	*	2.4
	Ilfracombe	bc.c.o.	o.c.o.	58	47	-	-	*	1.0
	Weston-s-Mare	f.bc.	bc.c.	59	39	-	-	*	2.0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 20th	Weather 13h-18h 20th	Weather 18h 20th-1h 21st	Weather 1h-7h 21st	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	ef_2r	$r_b q$	p.c	ω.o	52	48	*	*	*	*
Eskdalemuir	c3.o3	cz.o.p.z.	oz.o.m.o.m	am.ome	53	43	47	-	-	0.0
†Stranraer	$r_s o$	p.o.c.a	c.o.p.o	o3	54	53	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen)	op	o.p.	d.o.c.		59	54	52	1	1	0.0
†Anglesey (Llangefni)	oq	oq.	o				*	*	*	*
Falmouth	c.bc.c	c.cz.of.	oz.o.	ofo	60	50	47	-	-	2.7
†Calshot (Hants)	c	c.em.	o	b	56	50	*	*	*	*
†Capel (Folkestone)	$bc.cf_2$	z.c.	b.w.	bc.c3	57	46	*	*	*	*
Aberdeen	c3.o3	oz.r.cz.	bc.bwm		54	47	39	1	-	0.0
†East Fortune	bc.c3	c.o.p.o.	c.o.	bc.c	56	45	*	*	*	*
† Flamborough Head	$c.of_2$	c.o.f.	c.o.f_1	b.bc3	57	40	*	*	*	*
†Felixstowe	b.bc3	bc.c.o.	bc.c.	b.bc3	56	37	*	*	*	*
†Cranwell (Lincs)	3.bc.c	bc.c.o.	bc.c.w.	bc.cw	60	37	*	*	*	*
†Bedford	$bc.cf_2$	$bc.cf_1z$.	bc.c.m	f.w	60	40	*	*	*	*
Benson	fe.bc.	bc.	bc.f		58	33	34	-	-	*
London (Kew Obsy.)	fwe.cm	cm bc.cm	bm.fw		61	40	31	-	-	17

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora ⌓ Solar halo ⊕
Rime ⚒ Lunar halo ⊙
Glazed frost ∽ Solar corona ⊙
Glazed roads ⚢ Lunar corona ⊙

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 Hours ended 9h G.M.T. 21st							Yesterday.		To-day.
Greenwich (Royal Observatory)	fo.c.	c.o.c.b	b.f.x	63	39	26	-	3.7	64	95
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James's Park)	*	*	*	61	43	37	-	0.7	68	93
" (Admiralty Arch	bf.bcf.	bcm.cm	bf.bcf.	61	45	*	-	0.4	67	90
Camden Sq. (British Rainfall)	-	-	*	55	40	36	-	0.0	81	100
Kensington Palace	f	c	*	60	40	34	-	*	86 (9h)	97

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ..... 400 ..... Joules.

Milliwatts.
Average Rate. 10·7
Maximum Rate. 34

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

21st & 22nd October ..... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.30	11.38	4.46
	6.32	11.38	4.43
Greenwich	6.35	11.45	4.46
	6.38	11.46	4.52
Wick	7.3	11.57	4.51
	7.6	11.57	4.48
Valencia	7.17	12.26	5.34
	7.19	12.26	5.32

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to 64° at Jersey and to about 60° at several other stations. the minima of the night were high except in central and south-eastern England. Rain fell in the extreme west and north. At Stornoway the value was 9 mm, but elsewhere it was very slight. Mist was general over a very large area and fog occurred locally. Bright sunshine was more prevalent in the east and south-east of England than elsewhere. In Scotland, Ireland, Wales there was little or none.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 21,153.B WEDNESDAY, 22ND OCTOBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. 21ST													
†Houton B. (Orkney)	1021·7	-2	S	1	cv	59	82	8	7-9000	cu	5	ci	2	0
Eskdalemuir ...	1027·4	-1	SSW	1	cz	59	65	4	-	-	-	cist	6	*
†Stranraer ...	1027·3	0	SSE	1	cz	56	98	0	1½-2000	St.	6	cist	2	*
†Lough Foyle ...														
Valencia (Cahire'n)	1023·4	-2	SSE	4	bc	63	75	10	3-4000	cu	3	ci.cu	3	3
†Anglesey (Llangefni)	1027·6	-3	-	0	b,	62	65	5	-	-	-	ci	3	5
Falmouth ...	1027·5	-2	SSE	2	om	57	87	4	-	St.cu	9	-	-	*
†Calshot (Hants) ...	1029·9	-1	SE	3	of.	56	92	4	1-1500	St	6	A.cu	3	4
†Capel (Folkestone)	1030·6	-3	SSE	2	bc	53	75	5	-	-	-	A.st	6	2
Aberdeen ...	1025·6	0	SSW	2	bz,	61	65	6	-	-	-	A.cu	3	2
†East Fortune ...														*
†Flamborough Head	1029·3	-1	S	1	b,	54	75	2	-	-	-	A.st	3	*
†Felixstowe ...	1032·0	-1	SSW	2	bc	54	87	4	3-4000	St.cu	2	ci.cu	2	3
†Cranwell (Lincs)	1029·4	-1	SE	1	bcz	61	65	4	2-3000	St	2	A.st	3	*
†Bedford ...	1030·0	-1	S	1	bz₂	62	55	2	-	-	-	cist	3	*
Benson	1029·0	-2	S	2	c	61	65	4	*	*	*	*	*	*
London (Kew Ob.)	1030·3	-1	SE	2	b,	59	65	6	-	-	-	ci	3	*
	1H. G.M.T. OF 22ND													
†Houton B. (Orkney)	1019·4	-4	SSW	4	c	50	98	3	5-7000	St.Cu	6	A.St	2	3
Eskdalemuir ...	1027·1	-1	-	0	bfe	33	98	0	-	-	-	-	-	*
†Stranraer ...	1024·1	-1	S	2	cz	52	98	?	2-3000	St	7	-	-	*
†Lough Foyle ...														
Valencia (Cahire'n)	1020·7	-2	SSW	4	rm	56	*	*	*	*	*	*	*	5
†Anglesey (Llangefni)	1027·1	0	SSE	3	o	53	82	?	2-3000	St	10	-	-	5
Falmouth ...	1026·4	-1	SSE	2	b,	53	98	5	-	St	1	-	-	*
†Calshot (Hants) ...	1029·8	0	-	0	b₀	50	98	4	-	-	-	-	-	3
†Capel (Folkestone)	1031·0	-2	SSE	5	b₀	46	82	3	-	-	-	-	-	?
§Aberdeen ...	1024·2	0	SSW	3	om,	50	92	4	<500	St	10	-	-	*
†East Fortune ...	1024·4	-1	WSW	3	b,	53	75	?	2-3000	St.cu	2	-	-	*
†Flamborough Head	1029·1	0	S	3	b₀	47	92	4	-	-	-	-	-	*
†Felixstowe ...	1031·2	-2	S	2	e	50	92	1	-	-	-	-	-	2
†Cranwell (Lincs)	1029·7	-1	SSE	1	b,w	34	98	2	1½-2000	St	2	-	-	*
†Bedford ...	1030·4	0	SE	1	m,	40	92	0	-	-	-	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1030·8	0	SE	1	b₀w	46	*	*	*	*	*	*	*	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF 21ST													
†Houton B. (Orkney)	1022·5	+1	SSW	2	v	52	92	8	3-4000	St.cu	8	A.st.	2	0
Eskdalemuir ...	1026·9	-1	-	0	cz	44	92	3	-	-	-	Ci.st.	1	*
†Stranraer ...	1026·1	-2	-	0	bc	53	98	?	2-3000	St	3	ci.st	1	*
†Lough Foyle ...														
Valencia (Cahire'n)	1022·1	-1	SSE	5	c	56	82	8	2-3000	Cu	5	ci.cu	2	4
†Anglesey (Llangefni)	1027·4	0	S	2	o	53	82	9	-	-	-	A.st	9	5
Falmouth ...	1027·0	-1	SSE	2	bcm	54	92	2	-	St.cu	1	A.cu	2	*
†Calshot (Hants) ...	1029·9	0	SE	2	o	53	98	3	-	-	-	A.cu	9	4
†Capel (Folkestone)	1031·8	-2	E	3	bcz	48	82	3	-	-	-	A.st	5	1
Aberdeen ...	1024·8	0	SSW	2	bcz,	55	?	6	-	St.cu	4	-	-	2
†East Fortune ...	1025·8	-2	-	0	b,	51	82	9	3-4000	St	1	A.cu	1	*
†Flamborough Head	1028·7	+1	SE	4	bcm₀	51	92	2	-	-	-	Ci.st	4	*
†Felixstowe ...	1031·9	+1	S	2	b,	50	92	2	-	-	-	A.st	2	3
†Cranwell (Lincs)	1029·9	+1	SE	1	b,	47	92	4	2-3000	St	2	-	-	*
†Bedford ...	1030·0	+1	S	3	z₂	52	82	2	-	-	-	-	-	*
Benson	1029·4	0	S	1	bc	46	92	4	-	-	-	-	-	*
London (Kew Ob.)	1030·8	+1	S	1	bm	48	87	2	-	St.cu	1	-	-	*
	7H. G.M.T. OF 22ND													
†Houton B. (Orkney)	1016·5	-4	S	4	d₀	49	87	4	2-3000	St.Cu	4	A.St	0	4
Eskdalemuir ...	1025·7	-1	-	0	cfe	37	98	1	-	St.Cu	8	-	-	*
†Stranraer ...	1023·0	-1	S	4	3	53	98	4	1-1000	St	10	-	-	*
†Lough Foyle ...														
Valencia (Cahire'n)	1019·2	0	S	5	od₂m	57	98	3	<500	St	10	-	-	0
†Anglesey (Llangefni)	1024·7	-2	SSE	3	c	50	75	8	3-4000	St.Cu	5	ci	3	4
Falmouth ...	1025·4	0	SE	1	om₀	52	98	4	-	St	10	-	-	*
†Calshot (Hants) ...	1029·2	0	-	0	?	43	98	2	-	-	-	-	-	2
†Capel (Folkestone)	1030·3	0	SSE	1	b₀	46	92	3	-	-	-	-	-	3
§Aberdeen ...	1021·3	-1	SSW	3	em₀	49	82	4	-	St.Cu	3	-	-	2
†East Fortune ...	1022·7	-1	-	0	c	48	82	5	5-7000	St.Cu	8	-	-	*
†Flamborough Head	1028·5	0	SSW	4	b,	45	92	3	-	-	-	A.St	3	*
†Felixstowe ...	1030·4	-1	S	1	ef₂	43	98	1	-	-	-	-	-	1
†Cranwell (Lincs)	1029·0	0	SE	1	3	36	98	2	2-3000	St	10	-	-	*
†Bedford ...	1029·6	-1	NE	1	f₂	37	92	0	-	-	-	-	-	*
Benson	1028·6	0	-	0	ef₁	32	98	1	-	-	-	-	-	*
London ... ... (M.O. at 1H.)	1029·3	0	-	0	ef₂	39	98	0	-	-	-	-	-	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 21ST					7H. G.M.T. of 22ND									24 HOURS ENDED 7H. 21ST						21ST
Lerwick ...	1020·7	54	S	2	om	1015·7	-1	54	+6	S	3	-	om	1	0·1	54	47	om	om	om	*
Stornoway ...	1020·0	56	SW	4	0	1014·4	-1	53	-1	SW	6	-	orq	5	7	56	52	odp	0	orq	0·0
Castlebay (Barra Is)	1020·8	54	S	4	0	1016·1	-1	53	-1	SSE	4	-	op	4	2	55	52	od	do.	op	0·0
Glasgow ...	1025·9	52	WNW	1	cm	1022·7	-1	51	-3	SW	2	-	o	*	0·4	56	45	odpmq	ogcm	m.bz.om	0·1
Malin Head ...	1021·0	58	S	2	cm	1017·0	-1	52	-4	S	3	S	cm	-	trace	61	51	bcm	bcm	cm	5·7
Blacksod Point	1021·1	57	S	3	cm	1015·5	-2	56	+1	SSE	3	-	omd	4	1	62	52	om	bc	cm.omd	*
Roche's Point ...	1022·5	55	E	3	o	1022·0	-2	56	0	S	4	-	of	4	0·2	56	54	of.o.	ofe.om	ofe	*
Birr Castle ...	1023·7	53	S	1	c	1020·5	*	54	0	S	2	-	m	*	-	62	50	c	c	c3	3·5
Donaghadee ...	1025·0	53	S	2	cm	1021·7	-2	53	0	SSW	3	SW	cgm	3	-	60	46	bcm	bcm	bcm	*
Liverpool (Bidston)	1026·9	56	SE	3	b	1025·3	-2	46	0	SE	3	SW	cm	3	-	59	46	bm	bm	bcm	5·6
Holyhead ...	1026·5	55	SSW	4	cm	1024·1	-1	52	+2	S	4	-	b	3	-	61	49	bm	b.bc.cm	bm.b	4·5
Pembroke (St. Ann's Head)	1027·4	53	SE	2	bm	1024·5	-1	54	+2	S	3	-	b	3	-	58	52	cm	cm.bcm	bc.b	1·3
Scilly (St. Mary's)	1027·3	53	SSE	2	bcf	1024·5	-1	54	+1	SSE	2	S	omp	3	-	58	51	bcm	bcf	of.m	2·2
Jersey (St. Aubin)	1028·4	55	ESE	3	o	1027·2	0	51	-3	SE	3	-	b	3	-	59	51	o.c.	c.o.	o.b	0·7
Portland Bill ...	1028·4	56	ESE	3	o	1027·0	-1	54	-4	SE	3	-	b	3	-	59	53	o	o.c.	bc.b	*
Dungeness ...	1030·6	52	S	2	b	1029·2	-1	50	-1	SSW	2	-	b	2	-	55	49	c	c.b.	b	*
Wick	1021·9	55	SSW	3	bc	1017·5	-1	52	-1	S	5	-	cm	2	-	56	50	cm.bc	bc.	bc.cm	*
Nairn	1022·2	57	-	0	c	1017·8	*	51	-3	-	0	-	bcm	0	-	63	49	bc.	bc.c.	cgm	8·4
Leith	1024·6	52	W	1	o	1022·4	0	50	-2	W	1	-	o	*	-	60	46	ogm.c	cm.c.o	om.c.o	*
Tynemouth ...	1027·0	53	SW	2	bf	1025·3	0	42	-4	SSW	2	-	bfe	1	-	60	41	f	f	f	*
Spurn Head ...	1029·6	50	S	2	bm	1028·8	0	45	0	S	4	-	bm	3	-	53	43	cm	bcm	bm	4·0
Yarmouth (Gorleston)	1030·6	49	SW	3	bc	1028·1	-2	45	-3	W	2	-	bm	1	-	55	44	cfe	bcm	bc.bcm	4·0
Clacton-on-Sea	1031·1	51	SE	3	bc	1029·5	-1	50	-1	SE	2	-	b	2	-	55	48	fm.cz.	c.bcz.	bc.bmz	5·6
Nottingham ...	1029·2	51	S	1	b	1028·4	*	39	-3	SW	1	-	bm	*	-	64	37	bc.bm	bm	b	4·5

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 22nd October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	S-SE. 0-5	R. cold	Fine, inland fog	V. poor	Smooth
2. E. England	Var. 0-5	"	Variable sky, local fog.	V. bad	"
3. E. Midlands	S-SW. 0-2	Cold	Fine, mist or fog	Bad	-
4. W. Midlands	SE-SW. 0-5	R. cold	Fine to cloudy.	-	-
5. S.W. England	SE-S. 2-10	Moderate	Variable cloud, local mist.	Ord.	Slight
6. South Wales	S. 10	"	Fine	-	"
7. North Wales	SE-S. 10-15	"	Fine or cloudy.	V. good	"
8. N.W. England	SE-SW. 10-15	"	Cloudy or dull.	V. poor	"
9. N. Midlands	S-SW. 0-5	Cold	Fair or fine.	Poor	-
10. N.E. England	S-W. 5-15	R. cold	Fair or fine, mist or fog.	"	Smooth
11. E. Scotland	SSE-W. 2-10	R. mild	Variable sky, local mist.	Ord.	"
12. S.W. Scotland	SSE-SW. 0-10	Moderate	Cloudy or dull, local fog.	Poor	Slight
13. Isle of Man	S-SW. 5-10	"	Cloudy.	-	"
14. N.& N.W. Scotland	S-SW. 15-20	R. mild	Fair to dull.	-	Smooth
15. Hebrides	SE-SW. 15-20	"	Dull, rainy, local squalls		Mod.
16. Orkneys and Shetlands	S. 10-15	"	Dull, local drizzle & mist.	Ord.	Slight
17. N.W. Ireland	SW. 10	"	Dull, local drizzle & mist.	-	Mod.
18. N.E. Ireland	S-SW. 10	"	Cloudy, local mist.		Slight
19. S.E. Ireland	S-W. 5	"	Cloudy, local mist.	Poor	"
20. S.W. Ireland	S. 15	"	Dull, local drizzle and mist.	V. poor	Mod.

Upper Cloud

Visibility

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. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in degrees F.

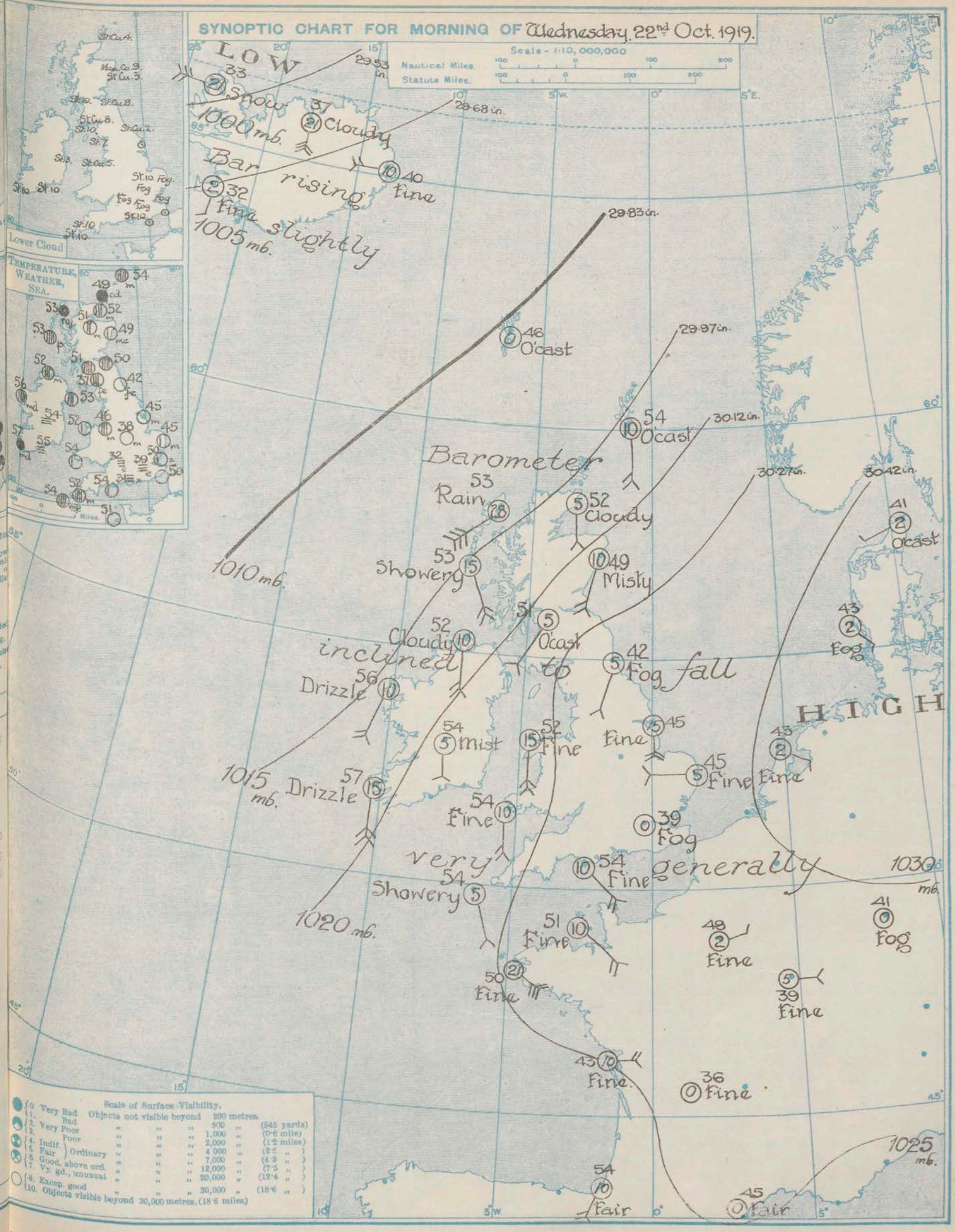
WEATHER SYMBOLS.—clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.

SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

The changes in progress are still very indefinite, but as the barometer is inclined to fall slowly in most districts it is probable that depressions on the Atlantic will extend over the British Isles and bring about a gradual change to less stable conditions. No material alteration is, however, anticipated in the south-east of England during the ensuing 24 hours.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday, 22nd October, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind SE. or S. light. Fair or cloudy, local mist or fog at times. Moderate to mild temperature.	The conditions over all the western and northern districts are likely to become less stable, but it is probable that the SE. and E. of England will continue fair beyond 48 hours.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind mainly S. to SW. light to moderate. Cloudy or dull, some mist or drizzle locally. Mild.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Wind mainly S. light or moderate. Cloudy, dull at times, mist locally. Moderate or mild temperature.	
12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S. to SW. light to moderate or fresh. Much cloud generally, some mist, drizzle locally. Mild.	


SYNOPTIC CHART FOR MORNING OF Wednesday, 22nd Oct. 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
Bar rising slightly
Barometer inclined to fall very generally
HIGH
1000 mb.
1005 mb.
1010 mb.
1015 mb.
1020 mb.
1025 mb.
1030 mb.
29.53 in.
29.68 in.
29.83 in.
29.97 in.
30.12 in.
30.27 in.
30.42 in.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
0. Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
10. Objects visible beyond 30,000 metres. (18·6 miles)
Objects not visible beyond 200 metres.
500 (545 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4,000 (2·5)
7,000 (4·3)
12,000 (7·5)
20,000 (12·4)
30,000 (18·6)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No 295 B {Wednesday 22nd OCTOBER

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 21ST OCTOBER.

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 22nd	Rainfall. Day. 9h-18h. 21st	Sunshine.	Sunshine. Sunrise to Sunset. 21st
Scotland.	Oban	or	o	57	52	2	0.3	*	0.0
	Banff	b	b	63	43	-	-	*	7.2
	Montrose	bc	bc of	59	51	-	-	*	1.6
	St. Andrews								
England, N.E.	Harrogate	zb.	bz.	56	41	-	-	*	4.5
	Skegness	bc.	bcl.	56	43	-	-	*	6.9
	Scarborough	-	-	59	52	-	-	*	7.0
England, E.	Felixstowe	bcm.	bm	55	46	-	-	*	4.3
	Walton-on-Naze								
	Southend-on-Sea	mwc.	bc.b.	58	40	-	-	*	4.6
England, S.E.	Margate	c.bc.	bc.b	58	46	-	-	*	4.3
	Ramsgate	bc.	bc	55	46	-	-	*	4.6
	Folkestone	b.bc c.	mc.ocb.	58	50	-	-	*	3.0
	Hastings								
	Eastbourne	c.	c.bc	56	41	-	-	*	1.9
	Brighton	o.c.	c.bc.	58	46	-	-	*	3.3
	Worthing	b.bc.	bc.	60	45	-	-	*	5.0
	Littlehampton	w.g.	bc.	57	51	-	-	*	3.7
	Bournemouth	o	o	57	45	-	-	*	0.0
	Tunbridge Wells	c	c.bc.b	58	40	-	-	*	2.3

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 22nd	Rainfall. Day. 9h-18h. 21st	Sunshine.	Sunshine. Sunrise to Sunset. 21st
England, N.W.	Douglas (I.O.M.)								
	Blackpool	o	c	61	43	-	-	*	4.6
	Southport	o.c by	by. b	62	45	-	-	*	5.1
Midlands.	Buxton	bc.b	b.	59	44	-	-	*	5.5
	Leamington Spa	bc.	bc	64	39	-	-	*	6.1
	Ross-on-Wye	c.bcm	o.cm	61	43	-	-	*	2.5
Wales.	Rhyl	c.bc.	b.bc	62	46	-	-	*	5.2
	Colwyn Bay	-	-	60	48	-	-	*	6.0
	Llandudno	c.b	b	61	48	-	-	*	5.3
	Aberystwyth	c.bc.	c.o.	59	53	-	-	*	2.7
England, S.W.	Weymouth	c	c	62	55	-	-	*	1.2
	Teignmouth	c.	c	58	48	-	1	*	0.0
	Torquay	om.o	o.	58	50	-	-	*	0.0
	Paignton	f. oh	ofm	59	47	-	Trace	*	0.0
	Penzance	o.c.	c.bc.	59	52	-	-	*	1.6
	Newquay	o.bc.	c	58	50	-	-	*	0.2
	Bude	o	c	60	50	-	-	*	0.1
	Ilfracombe	o.	o	60	52	-	-	*	0.0
	Weston-s-Mare	c.bc.	bc.c.	63	48	-	-	*	1.6

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-18h 21st	Weather 18h-18h 21st	Weather 18h 21st-1h 22nd	Weather 1h-7h 22nd	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rainfall Day. 7h-18h	Rainfall Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	v. z.	z., v.	c.oq	c.oq	60	48	*	*	*	*
Eskdalemuir	omcy.bz	bcz.bz.	bma.bfe	ofe.cfe	60	32	29	-	trace	5.4
†Stranraer	o.z.	b.bcz	oz.	o	57	46	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen)	bc.c.	bcc.	d.od		63	55	55	-	3	6.0
†Anglesey (Llangefni)	z.b.bc.	z.c.o.	o	bc.c	61	48	*	*	*	*
Falmouth	om	om.bcm	bcf.b.	bwx.om	57	50	45	-	-	0.6
†Calshot (Hants)	b.o.	c	o	b.	57	39	*	*	*	*
†Capel (Folkestone)	z, bc.c.	z.b.bc.	f, b.bc	z.b.	53	45	*	*	*	*
Aberdeen	cm.bcm	bcm	bcmw		62	47	43	-	-	5.4
†East Fortune		b.bcz,	b.e.	bc.cq	63	45	*	*	*	*
†Flamborough Head	b.bcz,	b.bcz,	b. m.	b. f,	54	44	*	*	*	*
†Felixstowe	om.z.	bc.c.z.	b.bc.z.	b.bcef	54	40	*	*	*	*
†Cranwell (Lincs)	z, bc.c.	b.bc.	bc.c.b.	w.z,	63	31	*	*	*	*
†Bedford	bc.c.m	z.	b. z,	f, w	62	32	*	*	*	*
Benson	bcb.	bc.	bcfzx		63	31	26	-	-	*
London (Kew Obsy.)	f.w.b.	b.bz.bm	bmfe		60	33	26	-	-	3.7

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

SYMBOLS—
Aurora — Solar halo — Rime — Lunar halo — Glazed frost — Solar corona — Glazed roads — Lunar corona

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 HOURS ENDED 9H G.M.T. 22nd							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	o.b	b	b.bcf	61	35	22	-	4.7	68	98
City (Bunhill Row)	*	*	*	*	*	*	*	2.2	*	*
Westminster (St. James's Park)	*	*	*	60	41	31	-	3.0	68	100
" (Admiralty Arch	bcf.bcm	bcm	bmbfe	60	43	*	-	3.0	71	94
Camden Sq. (British Rainfall)	f.m	c.bc	*	59	36	32	-	1.5	75	100
Kensington Palace	fe.b	b	*	60	36	37	-	*	71(8h)	100

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 448 Joules.

Milliwatts.
Average Rate. 12·1
Maximum Rate. 33

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

22nd and 23rd OCTOBER 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.32	11.38	4.43
	6.34	11.37	4.40
Greenwich	6.38	11.43	4.52
	6.39	11.44	4.49
Wick	7.6	11.57	4.48
	7.8	11.56	4.45
Valencia	7.19	12.26	5.32
	7.21	12.26	5.30

NOTES ON THE WEATHER OF YESTERDAY.

Temperature exceeded 60° at many stations in all parts of the Kingdom, the highest value being 64° at Leamington and Nottingham. During the night the thermometer fell to 28° at South Farnborough, 31° at Benson, and 29° at Eskdalemuir. On the coast the minima were generally rather high for the time of year. Rain or drizzle was again experienced in the extreme west and north, the measurement ranging from less than 1 mm. generally to 7 mm. at Stornoway. Bright sunshine records were moderate generally except in the south-west and extreme north west, where the day was dull or misty. At Nairn the record was as high as 8.4 hours.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21,154B THURSDAY, 23RD OCTOBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H. G.M.T. 22ND													
†Houton B. (Orkney)	1016·3	-1	SSW	3	o	51	92	4	1-1500	Cu.Nb	10	-	-	6
Eskdalemuir ...	1022·5	-3	SSW	4	o3	53	75	4	-	-	-	ci.St	9	*
†Stranraer ...	1022·5	-2	S	4	o	55	78	3	1-1500	St	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1019·1	-1	S	4	o	58	82	8	1½-2000	St	9	-	-	4
†Anglesey (Llangefni)	?1023·0	-5	SSW	4	c	59	82	8	-	-	-	ci	8	4
Falmouth ...	1024·6	-1	SSE	3	c	57	75	5	-	-	-	St.Cu	7	*
†Calshot (Hants) ...	1027·6	-1	S	3	f_1	56	82	5	-	-	-	-	-	4
†Capel (Folkestone)	1027·6	-1	S	3	b_0	53	65	4	-	-	-	-	-	1
Aberdeen ...	1019·5	-1	SSW	2	c3	55	75	5	-	St.Cu	7	-	-	2
†East Fortune ...	1020·6	-2	SW	4	c	59	85	6	4-5000	St.Cu	4	ci.St	3	*
†Flamborough Head	1026·0	-4	S	4	b_1	53	65	4	-	-	-	ci.St	1	*
†Felixstowe ...	1027·8	-3	SSW	2	3_1	55	87	1	-	-	-	-	-	2
†Cranwell (Lincs)	1026·9	-2	SSE	3	bc	55	75	4	2-3000	St	2	ci	2	*
†Bedford ...	1027·2	-4	S	2	f_2	55	65	1	-	-	-	-	-	*
Benson	1026·3	-4	SSE	3	2	56	75	4	*	*	*	*	*	*
London (Kew Ob.)	1027·4	-4	S	2	b_0m	55	65	5	-	-	-	-	-	*
	1H. G.M.T. OF 23RD													
†Houton B. (Orkney)														
Eskdalemuir ...	1019·4	-2	S	5	o$_0$	49	98	3	-	Nb	10	-	-	*
†Stranraer ...	1017·2	-1	S	4	o$_0$m$_1$	54	98	?	½-1000	St	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1016·6	-3	SSW	4	omr	57	*	*	*	*	*	*	*	6
†Anglesey (Llangefni)	1020·3	-2	SSW	4	o	51	87	?	1½-2000	St	10	-	-	5
Falmouth ...	1022·1	-2	S	3	b_1	53	87	5	-	St	2	-	-	*
†Calshot (Hants) ...	1025·1	0	-	0	b_0	43	98	5	-	-	-	-	-	3
†Capel (Folkestone)	1025·2	-2	S	3	2	48	75	3	-	-	-	-	-	3
§Aberdeen ...	1015·9	-2	S	4	om$_1$	49	92	4	1-1500	St	10	-	-	*
†East Fortune ...	1017·2	-2	SW	3	o$_0$	53	92	?	1½-2000	Nb	9	-	-	*
†Flamborough Head														*
†Felixstowe ...	1026·0	-2	SSW	2	b_1	48	98	4	-	-	-	A.st	3	3
†Cranwell (Lincs)	1025·1	-1	SSE	2	b_1w	36	98	2	2-3000	St	2	-	-	*
†Bedford ...	1025·4	-1	S	1	f_2	37	87	0	-	-	-	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1m.)	1025·4	-1	-	0	b_0w	45	*	*	*	*	*	*	*	*

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF 22ND													
†Houton B. (Orkney)	1015·2	-1	S	1	o$_2$q	50	98	2	1-1500	Cu.Nb	9	-	-	?
Eskdalemuir ...	1021·2	0	SSW	4	o$_2$	50	75	3	-	-	-	A.st	9	*
†Stranraer ...	1019·2	-2	S	5	o$_0$m	54	98	?	½-1000	St	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1018·4	-1	SSE	5	od$_0$	56	92	4	<500	St	10	-	-	4
†Anglesey (Llangefni)	1022·6	+1	SSW	3	o	55	75	5	1-1500	St.cu	5	-	-	4
Falmouth ...	1023·7	-1	SSE	3	b$_2$	52	87	5	-	St	1	-	-	*
†Calshot (Hants) ...	1026·2	-1	S	1	b_0	52	82	4	-	-	-	-	-	3
†Capel (Folkestone)	1027·1	-1	E	2	2	44	82	3	-	-	-	-	-	3
Aberdeen ...	1018·2	-1	SSE	3	om$_0$	53	82	4	-	St.cu	10	-	-	2
†East Fortune ...	1019·6	0	SW	3	c2$_1$	56	65	5	3-4000	Mx.cu	6	A.cu	2	*
†Flamborough Head	1023·0	-1	S	4	bc	50	82	6	-	-	-	A.st	2	*
†Felixstowe ...	1027·0	-2	SSW	2	2$_1$	49	98	2	-	-	-	-	-	3
†Cranwell (Lincs)	1023·5	0	SSE	2	b_1	42	92	4	2-3000	St	2	A.st	1	*
†Bedford ...	1026·2	-1	SE	1	f_1	49	75	0	-	-	-	A.st	1	*
Benson	1025·6	0	-	0	b_0	43	82	6	-	-	-	-	-	*
London (Kew Ob.)	1026·6	-1	S	1	bm	47	87	2	-	St.cu	1	-	-	*
	7H. G.M.T. OF 23RD													
†Houton B. (Orkney)	1015·7	+2	NNE	4	om	43	92	4	1½-2000	St	7	A.St	3	3
Eskdalemuir ...	1016·9	-3	S	3	o$_0$m	49	97	3	1-1500	Nb	10	-	-	*
†Stranraer ...	1014·3	-3	S	2	f_2f$_1$	54	97	?	1½-2000	Nb	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1015·2	0	SW	3	odm	56	97	3	<500	St	10	-	-	3
†Anglesey (Llangefni)	1020·7	-1	SE	1	om	54	97	4	-	St	10	-	-	*
Falmouth ...	1023·1	-1	—	0	?b3	53	97	4	-	-	-	a.St	8	2
†Calshot (Hants) ...	1024·0	-1	SSE	1	b3	46	87	1	-	-	-	-	-	?
†Capel (Folkestone)														
§Aberdeen ...	1014·5	-1	SSW	2	r_0	53	92	4	-	Nb	10	-	-	2
†East Fortune ...	1015·2	-3	S	3	r_0	52	87	5	2-3000	Nb	10	-	-	*
†Flamborough Head	1020·3	-2	S	4	bom	42	92	4	-	-	-	ci.St	4	*
†Felixstowe ...	1024·5	-2	NNW	1	f$_2$e	34	97	0	-	-	-	-	-	3
†Cranwell (Lincs)	1022·2	-4	SE	2	c	33	97	4	2-3000	St	3	Ci	5	*
†Bedford ...	1023·5	-1	ESE	1	ef$_1$	27	92	0	<500	-	-	ci.St	7	*
Benson	1022·2	-2	S	1	bm	31	97	3	-	-	-	-	-	*
London ... ... (M.O. at 1m.)	1023·6	0	-	0	fx	30	97	0	-	-	-	-	-	*

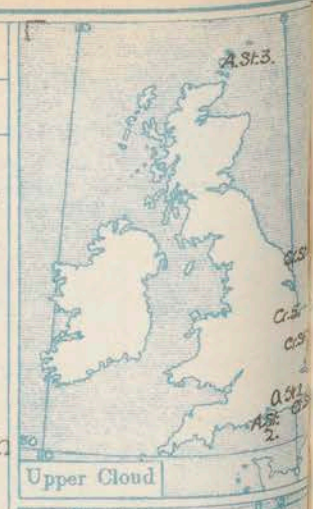
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 22ND					7H. G.M.T. of 23RD									24 HOURS ENDED 7H. 23RD						22ND
Lerwick ...	1013·2	52	S	3	omd	1015·5	+2	46	-8	N	4	-	om	4	2	54	44	omr	omd	omr	*
Stornoway ...	1012·3	55	SW	6	odfq	1018·1	+3	45	-8	N	5	-	o	4	11	55	?	ofq	odq	ov.o	0·7
Castlebay (Barra Is)	1013·2	54	S	4	or	1017·7	+4	47	-6	N	5	-	o	5	7	54	45	ofad	odr	r.d.c.o	0·0
Glasgow ...	1019·5	53	SSW	3	odm	1014·8	-2	53	+2	S	3	-	orm	*	6	56	51	omq	omq	o.p.orm	0·0
Malin Head ...	1014·3	56	S	4	omr	1012·6	0	51	-1	NW	4	-	omd	3	-	?	50	cm	om	omd	0·0
Blacksod Point	1014·6	56	SSW	4	omr	1017·3	+2	52	-4	N	5	-	omd	4	12	57	48	cq	omr	omd	*
Roche's Point ...	1020·7	55	SW	2	o	1017·7	-2	56	+1	SSW	4	-	rm	4	5	58	54	df	fd.o.	ofdrm	*
Birr Castle ...	1018·3	58	S	1	o	1015·1	*	55	+1	S	1	-	r	*	11	59	53	3.0	o	or	0·0
Donaghadee ...	1018·6	53	S	4	om	1014·8	-2	54	+1	SW	1	-	omr	1	13	57	53	bcm	cgm	omr	*
Liverpool (Bidston)	1022·1	53	SE	4	b	1018·5	-2	46	0	SE	3	S	o	3	-	58	46	bcm	bcm	bo.o	5·0
Holyhead ...	1021·3	56	SSW	4	og	1017·5	-1	52	0	S	6	-	orf	5	0·3	58	51	b.bc.	bc.cd	bc.o.or	7·0
Pembroke (St. Ann's Head)	1022·7	56	S	3	o	1019·5	-2	54	0	S	3	-	odm	3	Trace	57	51	bc	bc	o.qbdm	0·0
Scilly (St. Mary's)	1023·1	54	SSE	3	f	1020·7	-1	53	-1	SW	2	-	o	2	1	57	51	of	f	om	0·9
Jersey (St. Aubin)	1024·8	49	ESE	2	bm	1022·7	0	42	-9	S	2	-	b	2	-	58	41	b	bm	bmw.x	9·3
Portland Bill ...	1024·9	54	E	3	b	1021·8	-2	55	+1	S	3	-	bc	3	-	58	53	b	b	bc.c	*
Dungeness ...	1026·3	50	-	0	b	1023·2	0	32	-18	NE	2	-	bm	1	-	53	30	b	b	r.bmx	*
Wick	1014·0	52	SSW	4	omr	1015·3	+2	48	-4	NNW	4	-	om	3	5	55	46	cm.om.	omfr	omfom	*
Nairn	1015·1	56	W	1	c	1015·8	*	48	-3	NNE	1	-	roa	1	8	56	44	bc.cgm	cgmp	c.pfou	0·0
Leith	1018·0	54	W	1	bc	1014·3	0	52	+2	E	1	-	rm	1	5	62	50	o.c.bc.	bc.c.bc	bc.omr	*
Tynemouth ...	1021·6	53	SW	2	f	1017·6	-3	47	+5	SW	1	-	om	1	0·2	53	41	bm	f	cm.om	*
Spurn Head ...	1025·3	50	S	3	f_b	1021·7	-1	42	-3	S	3	-	bm	3	-	54	40	bm.b.	b	bm	*
Yarmouth (Gorleston)	1026·2	48	S	2	b	1023·1	-3	44	-1	W	2	-	bz	2	-	57	42	bz	bz	bz.bz.	8·2
Clacton-on-Sea	1026·3	56	SSE	2	b	1023·7	0	44	-6	—	0	-	bm	0	-	57	36	bz m.	bm.bz	bz.mo	9·1
Nottingham ...	1025·1	47	S	1	b	1021·5	*	36	-2	W	1	W	cm	*	-	59	35	bm	bm	b	7·2

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1

SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 23rd October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SE. 0-5	V.cold	Fair to dull, inland fog.	V.poor	Smooth
2. E. England	Var. 0-5	Cold	Fair to cloudy, local fog.	V.poor	Smooth
3. E. Midlands	S-W. 0-2	"	Fair to cloudy, local mist.	Poor	–
4. W. Midlands	S. 0-10	Moderate	Cloudy to dull.	"	–
5. S.W. England	S-SW. 2-10	"	Fair to dull, local mist.	V.poor	Smooth
6. South Wales	S. 5-10	"	Dull, local mist.	Poor	Slight
7. North Wales	S. 15-28	"	Dull, rainy, local fog.	"	R.rough
8. N.W. England	SE. 5-10	"	Dull, local mist	"	Slight
9. N. Midlands	SW. 0-2	Cold	Fair to cloudy.	"	–
10. N.E. England	S-SW. 5-15	R.cold	Variable, local mist.	"	Smooth
11. E. Scotland	Var. 5-15	R.mild	Dull, rainy, local mist.	Ord.	Smooth
12. S.W. Scotland	S. 2-10	"	Dull, rainy, local mist.	Poor	"
13. Isle of Man	S. 2-5	Mild	Dull, some rain.	"	Slight
14. N.& N.W. Scotland	Nly. 5-15	Moderate	Dull, local mist.	–	Mod.
15. Hebrides	N. 20	R.cold	Dull.	–	"
16. Orkneys and Shetlands	N. 15	Moderate	Dull, mist	Ord.	"
17. N.W. Ireland	N. 10-20	"	Dull, some drizzle & mist.	Poor	"
18. N.E. Ireland	SW-NW. 5-15	R.mild	Dull, some rain & mist.	"	Slight
19. S.E. Ireland	S. 10	Mild	Dull, rainy.	Ord.	Mod.
20. S.W. Ireland	S-SW. 10-15	R.mild	Dull, rainy, local mist.	Poor	Slight



EXPLANATION.

BAROMETER.—Isobars are drawn at 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. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in degrees.

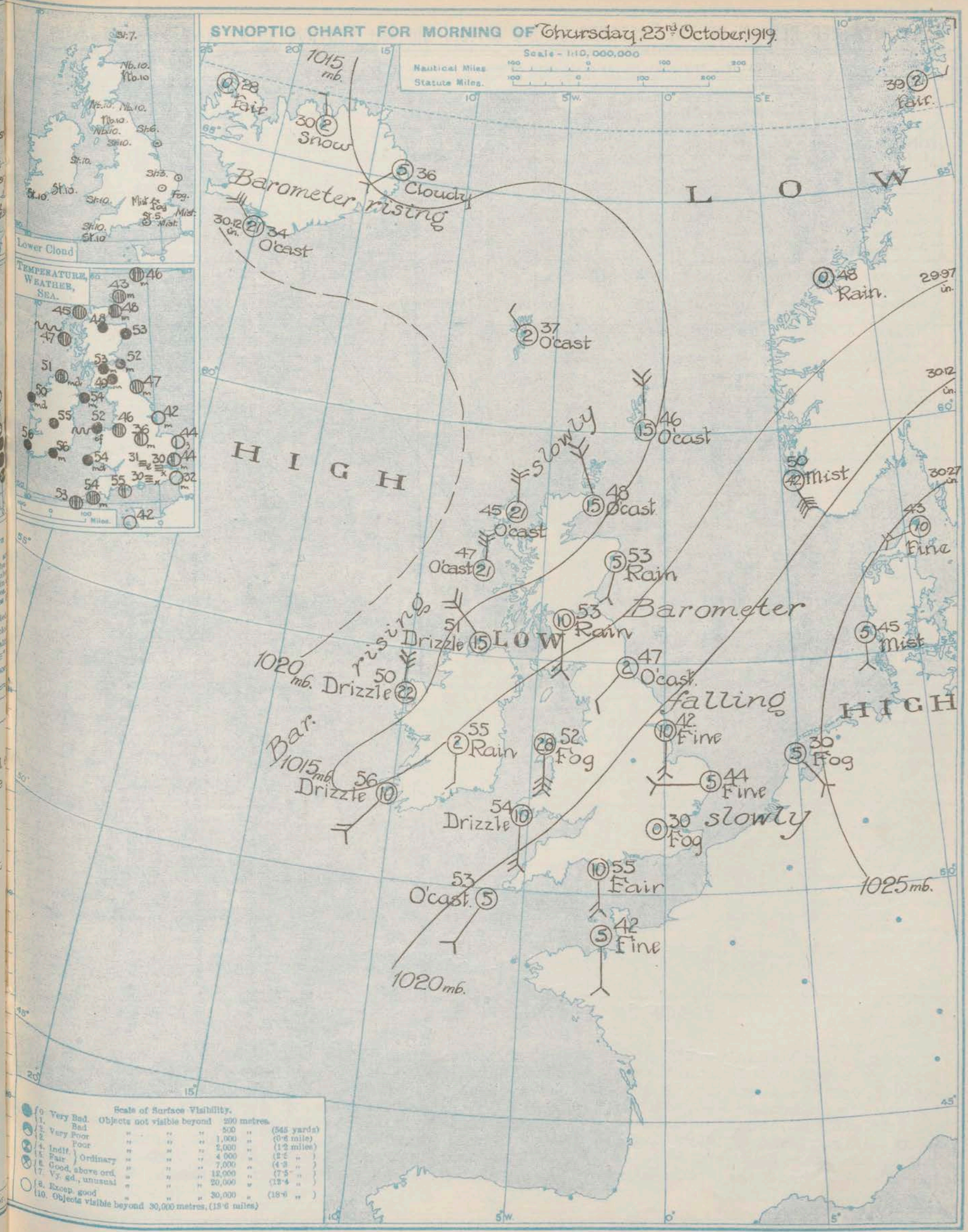
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. overcast sky. rain fall. snow. hail. fog. thunder. thundersho

SEA DISTURBANCE.— Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

A V-shaped depression has appeared over our western and northern districts, its trough extending from the south-west of Ireland to the North Sea between Shetland and Norway. It will probably move eastward and cause rain in most districts. In the south-east of England cloud is likely to develop and slight rain may be experienced locally.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Thursday, 23rd October, 1919	Further Outlook.
1. S.E. England	Wind S. and SW. light. Becoming less fair, perhaps rain locally later, mist locally. Moderate to mild temperature.	Colder and rather unsettled weather in the western and northern districts. Uncertain in the south-east and east of England.
2. E. England 3. E. Midlands 4. W. Midlands	Wind S. to SW. or W. light or moderate. Cloudy to dull, some rain later. Moderate temperature.	
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind S. and SW. to W. or NW. Dull or cloudy, some rain. Temperature becoming lower than of late.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind becoming Nly. light to moderate or fresh. Dull, rain at times, sleet locally. Colder.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind shifting to NW. or N. light to fresh. Dull, some rain, then fairer. Colder.	


SYNOPTIC CHART FOR MORNING OF Thursday, 23rd October, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Miles.
1015 mb.
Fair
Snow
Cloudy
Barometer rising
O'cast
LOW
HIGH
Rain.
Fair.
O'cast
Mist
Fine
Slowly
Rain
Barometer falling
Drizzle
Fog
Bar. 1015 mb.
1020 mb.
1025 mb.
29.97 in.
30.12 in.
30.27 in.
Scale of Surface Visibility.
0. Very Bad. Objects not visible beyond 200 metres.
1. Bad. " " " 500 " (545 yards)
2. Very Poor " " " 1,000 " (0·6 mile)
3. Poor " " " 2,000 " (1·2 miles)
4. Indif. } Ordinary " " " 4,000 " (2·5 ")
5. Fair. } " " " 7,000 " (4·3 ")
6. Good, above ord. " " " 12,000 " (7·5 ")
7. Vy. gd., unusual " " " 20,000 " (12·4 ")
8. Excep. good " " " 30,000 " (18·6 ")
10. Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 289B { Thursday 23rd October

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 22nd

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 21st	Rainfall. Day. 9h-18h. 22nd	Sunshine.	Sunshine. Sunrise to Sunset 22nd
Scotland.	Oban	o c.	or	57	52	-	1	*	0·0
	Banff	bc	bc	60	49	-	-	*	0·6
	Montrose	of	o	54	41	-	-	*	0·3
	St. Andrews	o	o	59	39	-	-	*	1·2
England, N.E.	Harrogate	o.c.	bc.c.	56	35	-	-	*	2·7
	Skegness	bm	bm	55	44	-	-	*	8·0
	Scarborough	-	-	61	53	-	-	*	7·7
England, E.	Felixstowe	bm	bm	56	37	-	-	*	7·9
	Walton-on-Naze								
	Southend-on-Sea	mwb	b	58	41	-	-	*	8·5
England, S.E.	Margate	b	b	57	46	-	-	*	8·6
	Ramsgate	-	-	56	46	-	-	*	7·7
	Folkestone	cm.b.	b	58	45	-	-	*	8·0
	Hastings							*	
	Eastbourne	b	b	57	43	-	-	*	9·2
	Brighton	b	b	58	40	-	-	*	9·0
	Worthing	b	b	60	43	-	-	*	9·3
	Littlehampton	b	b	57	50	-	-	*	9·0
	Bournemouth	b	b	60	47	-	-	*	9·5
	Tunbridge Wells	b	b	57	38	-	-	*	8·3
England, N.W.	Douglas (I.O.M.)							*	
	Blackpool	c	c	59	47	-	-	*	2·5
	Southport	c. bc.	bc.c.b.	59	46	-	-	*	3·0
Midlands.	Buxton							*	
	Leamington Spa	bc	bc	59	34	-	-	*	7·3
	Ross-on-Wye	b	b	61	44	-	-	*	9·0
Wales.	Rhyl	bc.c.bc.	bc	65	45	-	-	*	3·6
	Colwyn Bay	-	-	63	43	-	-	*	4·8
	Llandudno	bc.	b	63	47	-	-	*	5·0
	Aberystwyth	c. b.	bc. c.	63	55	-	-	*	8·3
England, S.W.	Weymouth	b	b	62	51	-	-	*	9·2
	Teignmouth	b	b	60	52	-	-	*	9·0
	Torquay	b	b	58	54	1	-	*	9·3
	Paignton	b	b	59	42	1	-	*	9·0
	Penzance	o. c.	o	57	54	-	-	*	0·3
	Newquay	-	-	59	49	-	-	*	7·8
	Bude	w. bc. b.	b	61	50	-	-	*	8·9
	Ilfracombe	b	b	61	52	-	-	*	8·8
	Weston-s-Mare	b	b	61	48	-	-	*	9·0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-18h 22nd	Weather 18h-18h 22nd	Weather 18h 22nd-7h 23rd	Weather 1h-7h 23rd	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	p. of.	q rh.		fipo	52	43	*	*	*	*
Eskdalemuir	omo3	cz. oz.	odm. orm	orm	55	37	45	-	4	1·5
†Stranraer	o3	z pd.	o po	p23	56	45	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen)	omdo	od	ordm		58	55	56	1	8	0·4
†Anglesey (Llangefni)	bc.cq	c. o.	o q.				*	*	*	*
Falmouth	om.c	c. bc.	o. bc. b.	bc. orm	59	52	48	-	Trace	5·7
†Calshot (Hants)	f1	bo	bo	b	55	35	*	*	*	*
†Capel (Folkestone)	3. bo	bo z.	b. z	bf1	53	45	*	*	*	*
Aberdeen	bc3q	c2 oz.	om. orm		56	48	49	-	11	2·7
†East Fortune	c. o3.	c. o z1	ro c. o.	ro 3	59	47	*	*	*	*
†Flamborough Head	b. bcf2	b. bc f2		b. bc	54	42	*	*	*	*
†Felixstowe	bo e	bo z1	bo z2	3. ef2	56	32	*	*	*	*
†Cranwell (Lincs)	f2 b. bc	b. bc. c.	bo b. bc.	bc. cw	56	30	*	*	*	*
†Bedford	w3. b. bcf1	bo f1 z.	bo f2 z. w.	bf2	56	25	*	*	*	*
Benson	fe b.	b.	b. fe. x		56	29	22	-	0·1	*
London (Kew Obsy.)	fe. f. bm	bz. bm.	bm. f. x		57	29	23	Trace	-	5·1

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.

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	5·4- 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—
Aurora, Rime, Glazed frost, Glazed roads, Solar halo, Lunar halo, Solar corona, Lunar corona

LONDON. OBSERVATIONS.

24 HOURS ENDED 9H G.M.T. 23rd

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. (Yesterday)	Humidity %. 15 h. G.M.T. (Yesterday)	Humidity %. 9 h. G.M.T. (To-day)
Greenwich (Royal Observatory)	b. f.	b	b. f. x	59	30	19	-	7·3	58	98
City (Bunhill Row)	*	*	*	*	*	*	*	2·6	*	*
Westminster (St. James's Park)	*	*	*	56	35	26	-	4·8	62	98
" (Admiralty Arch	b. fe	bm	bm. bf.	59	37	*	-	4·0	66	90
Camden Sq. (British Rainfall)	fe	m	*	58	33	29	-	2·7	68	100
Kensington Palace	f. b	b	*	59	32	24	-	*	85 (18h)	98

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 526 Joules.

Milliwatts.
Average Rate. 14·3
Maximum Rate. 34

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

23rd & 24th October 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.34	11.37	4.40
	6.36	11.37	4.38
Greenwich	6.39	11.44	4.52
	6.41	11.44	4.49
Wick	7.6	11.57	4.45
	7.8	11.56	4.42
Valencia	7.21	12.25	5.30
	7.23	12.25	5.28

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to 65° at Rhyl, 63° at some other Welsh stations and to a little above or below 60° in most parts of the Kingdom. The night minima were not low exceot over the south and south-east of England. At Bedford the value was 25°, at Benson and in London 29°, and at Dungeness 30°. Rain fell very generally in Scotland and Ireland and locally in Wales; at Donaghadee the measurement was 13 mm., at Blacksod Point 12 mm., and at Birr Castle, Stornoway and Aberdeen 11 mm. Bright sunshine was abundant in southern and eastern England and the records were rather high in some Welsh localities. Elsewhere the day was mainly very cloudy or overcast.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 21,155.B FRIDAY, 24TH OCTOBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
13H. G.M.T. 23RD														
†Houton B. (Orkney)	1018.8	+2	N	5	c	44	75	7	2-3000	St.cu	6	Ci.cu	1	4
Eskdalemuir ...	1015.8	0	S	4	ornm	50	98	0	1-1500	Nb	10	-	-	*
†Stranraer ...	1016.7	-1	SW	2	od,	54	98	0	1½-2000	Nb	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1015.7	0	N	4	o	56	87	7	1-1500	St	9	-	-	4
†Anglesey (Llangefni)	1017.0	-3	SSW	5	oq	53	92	4	½-1000	St	10	-	-	6
Falmouth ...	1019.1	-3	SSW	2	ofe	55	92	1	-	-	-	-	-	*
†Calshot (Hants) ...	1020.9	-1	S	1	o	58	82	5	1½-2000	St	8	-	-	3
†Capel (Folkestone)	1022.2	-2	S	2	z	51	82	5	-	-	-	-	-	2
Aberdeen ...	1016.4	+2	NNW	4	or₀	48	92	7	-	Nb	10	-	-	3
†East Fortune ...	1014.8	0	W	1	o	55	92	4	2-3000	St.cu	10	-	-	*
†Flamborough Head	1018.3	-3	SW	3	o	50	82	4	3-4000	st	4	A.st	4	*
†Felixstowe ...	1022.0	-4	S	2	bcz	55	75	4	-	-	-	Ci st	6	0
†Cranwell (Lincs)	1019.5	-6	S	3	o	53	75	6	2-3000	St	3	A.st	3	*
†Bedford ...	1020.4	-3	S	2	orm₀	55	65	3	-	-	-	A.st	9	*
Benson	1019.6	-3	SSW	2	orm₀	54	75	4	-	-	-	-	-	*
London (Kew Ob.)	1020.7	-5	SSW	2	b,	56	65	6	-	-	-	Ci	3	*
1H. G.M.T. OF 24TH														
†Houton B. (Orkney)														
Eskdalemuir ...	1020.0	+2	NNE	6	orq	39	98	5	-	Nb	10	-	-	*
†Stranraer ...	1018.3	+2	NNE	2	od₀	45	98	?	1½-2000	Nb	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1020.1	+3	NNE	6	oq	50	*	*	*	*	*	*	*	6
†Anglesey (Llangefni)														
Falmouth ...	1013.6	-3	SW	1	or	55	92	0	-	Nb	10	-	-	*
†Calshot (Hants) ...	1016.3	-1	SSW	2	o	53	?	5	2-3000	St	10	-	-	4
†Capel (Folkestone)	1018.3	-2	SSW	2	bc	47	87	5	-	-	-	A.st	4	3
§Aberdeen ...	1022.0	+3	N	3	c	43	82	5	1½-2000	St.cu	8	-	-	*
†East Fortune ...	1021.3	+3	NE	3	o	45	75	?	5-7000	Nb	10	-	-	*
†Flamborough Head	1015.8	-1	-	0	od,	47	98	2	1½-2000	St	10	-	-	*
†Felixstowe ...	1018.6	-4	SW	2	b₀	46	98	?	-	-	-	-	-	3
†Cranwell (Lincs)	1016.5	-1	SE	1	or,	47	98	3	1½-2000	Nb	10	-	-	*
†Bedford ...	1016.7	-2	S	1	or, m,	48	92	3	-	St	10	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1017.1	-3	-	0	cw	49	*	*	*	*	*	*	*	*
18H. G.M.T. OF 23RD														
†Houton B. (Orkney)	1020.7	+2	NNE	2	c	41	87	6	2-3000	St.cu	5	A.st	2	3
Eskdalemuir ...	1017.2	+2	NE	4	ornm	46	98	3	-	Nb	10	-	-	*
†Stranraer ...	1015.1	0	-	0	o	52	98	0	1½-2000	Nb	9	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1018.8	+4	NNE	5	cp	50	82	7	1½-2000	St	8	-	-	4
†Anglesey (Llangefni)	1015.1	-2	SSW	3	or₀ m,	53	98	4	½-1000	St	10	-	-	5
Falmouth ...	1017.0	-3	SSW	3	ofe	55	92	1	-	-	-	-	-	*
†Calshot (Hants) ...	1019.2	-2	W	1	orm₀	53	92	4	4-5000	St	4	A.st	6	2
†Capel (Folkestone)	1020.7	-3	SSW	2	c	47	87	4	-	-	-	A.st	7	2
Aberdeen ...	1020.0	+4	NW	4	o	45	65	7	-	St.cu	10	-	-	3
†East Fortune ...	1018.2	+4	NE	5	or,	46	98	?	½-1000	Nb	10	-	-	*
†Flamborough Head	1014.1	-3	SSW	2	orm₀	50	92	3	1½-2000	St	7	A.st	2	*
†Felixstowe ...	1020.3	-1	SSW	3	erm₂	50	92	2	-	-	-	Fa.ci	4	2
†Cranwell (Lincs)	1018.4	-1	SSE	1	o	46	87	6	2-3000	St	6	A.st	4	*
†Bedford ...	1019.7	-1	S	2	orm₀	50	75	3	-	-	-	A.st	10	*
Benson	1018.2	-1	SSW	1	o	48	92	6	-	-	-	Ci.cu	8	*
London (Kew Ob.)	1019.3	-1	SSW	1	orm	50	82	3	-	St	9	-	-	*
7H. G.M.T. OF 24TH														
†Houton B. (Orkney)	1023.6	+2	NNE	2	c	37	87	5	1½-2000	St.Cu	5	A.St	2	1
Eskdalemuir ...	1019.3	0	NNE	5	o	41	87	8	-	St	8	A.St	2	*
†Stranraer ...	1019.9	+2	NNE	3	r₀	43	98	8	1½-2000	St	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1021.5	+1	N	6	cpq	48	75	10	2-3000	Cu	7	-	-	4
†Anglesey (Llangefni)														
Falmouth ...	1010.6	-3	WNW	4	c	50	92	6	-	Cu.Nb	7	-	-	*
†Calshot (Hants) ...	1012.4	-3	SSW	3	o	53	82	4	1-1500	St	4	A.St	6	3
†Capel (Folkestone)	1015.9	-2	SSE	4	3	49	92	5	-	-	-	A.Cu	10	4
§Aberdeen ...	1022.6	+2	NNW	3	bc	43	75	8	-	St.Cu	5	-	-	2
†East Fortune ...	1021.3	+1	NE	4	o	45	82	7	2-3000	St.Cu	6	A.St	3	*
†Flamborough Head	1014.7	0	ENE	2	d	49	92	2	1½-2000	Nb	10	-	-	*
†Felixstowe ...	1016.1	-4	SSW	1	o	49	98	3	1½-2000	St	10	-	-	3
†Cranwell (Lincs)	1014.0	-4	SE	1	r, f,	47	98	4	1½-2000	Nb	10	-	-	*
†Bedford ...	1014.3	-1	SSE	1	d₀	45	92	0	<500	St	10	-	-	*
Benson	1012.6	-2	SE	3	r,	47	98	4	-	Nb	10	-	-	*
London ... ... (M.O. at 1H.)	1014.2	-2	-	0	orm,	46	92	2	5-7000	St.Cu	10	-	-	*

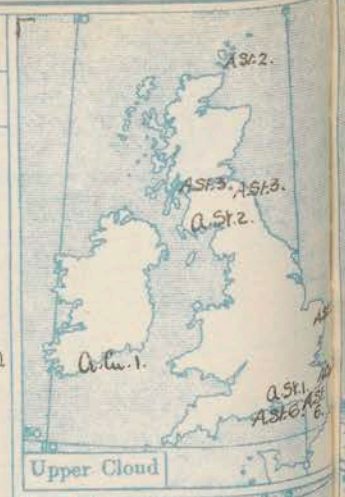
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 23RD					**7H. G.M.T. of 24TH**									**24 HOURS ENDED 7H. 23RD**						**23RD**
Lerwick ...	1018.8	41	-	0	bc	1023.3	+3	40	-6	NNW	2	-	om	1	0.1	53	38	bcm	bcm	om	*
Stornoway ...	1022.5	42	N	4	b	1025.5	+2	41	-4	N	3	-	o	2	1	49	38	o.bc.	bc.b.	bc.o	5.7
Castlebay (Barra Is)	1022.3	46	NNE	4	b	1025.3	+1	44	-3	NNE	4	-	b	4	0.1	50	43	o.c.	c.b.	bc.b	6.9
Glasgow ...	1017.6	46	ENE	3	odnm	1022.3	+1	40	-13	NE	3	S	c	*	10	54	39	ornm	ornm	odm.o.c	0.0
Malin Head ...	1017.3	48	NNW	6	c	1022.6	+1	46	-5	NNW	4	N	c	5	1	[illegible]	45	om	c	cp	0.0
Blacksod Point	1021.1	50	N	5	bc	1023.3	+1	49	-3	N	4	-	bcq	3	0.3	51	44	cm	bcz	bcq	*
Roche's Point ...	1015.0	53	NNW	4	o	1016.2	0	46	-10	N	6	N	o	4	3	58	45	dfe	fe.o.	o.c.0	*
Birr Castle ...	1018.0	47	W	2	o	1019.6	*	43	-12	N	3	-	c	*	4	57	43	or	or.o	o.c.	0.0
Donaghadee ...	1015.3	52	WNW	3	omq	1020.2	+3	47	-7	ENE	7	-	cq	5	10	55	42	omr	omr	omq	*
Liverpool (Bidston)	1015.4	51	SSE	3	r	1012.7	-1	46	0	ENE	5	-	o	4	25	55	46	ofr.c.	or	or	0.1
Holyhead ...	1014.5	53	SSW	4	fd	1013.5	+3	48	-4	ENE	7	-	opqm	6	31	54	47	ofefe	fr	orqm	0.0
Pembroke (St. Ann's Head)	1015.1	55	S	3	ornm	1009.4	-3	52	-2	E	1	-	o	4	15	55	52	odm.o.	orm	orf.od	0.0
Scilly (St. Mary's)	1016.4	55	SSW	3	fd	1013.0	-2	50	-3	NW	6	NW	od	6	3	55	50	ofd	fd	odm	0.0
Jersey (St. Aubin)	1020.0	57	SE	3	o	1012.7	-2	52	+10	SSE	4	-	odm	4	1	56	42	b.	b.o	odm	6.0
Portland Bill ...	1019.0	56	SSW	3	o	1010.9	-5	56	+1	SSE	6	-	oqp	4	1	58	54	c.o.	o	orq	*
Dungeness ...	1019.9	52	SSW	2	b	1014.9	-2	53	+19	SSW	3	SW	c	2	-	56	31	bc	c.bc.	bc	*
Wick	1020.8	44	NW	2	bc	1025.3	+2	41	-7	N	2	-	bc	3	4	48	37	ornrcm	cm.bc	bcmp	*
Nairn	1021.2	45	NNE	2	c	1024.0	*	42	-6	NNE	2	-	bc	2	3	48	37	lrq.c.	cq.	cq	0.0
Leith	1018.1	47	E	1	f	1021.1	0	44	-8	NE	4	-	o	*	25	54	44	omd.o	r	rqu.o	*
Tynemouth ...	1015.6	53	SW	2	orf	1017.3	0	45	-2	NE	4	-	omdq	4	21	53	44	ofr	ofr	omrq	*
Spurn Head ...	1017.9	50	S	2	cm	1013.8	0	47	+5	SSW	1	-	fe	1	3	53	42	b	bcm	orfe	*
Yarmouth (Gorleston)	1019.3	48	S	2	bc	1015.4	-2	45	+1	SW	2	-	c3	2	-	56	40	bz.bcz.	bcf	bcm.bz	6.5
Clacton-on-Sea	1019.8	51	SSE	2	bc	1015.4	-1	51	+7	SSE	2	-	cm	2	-	56	39	bcmz.	bcz.	bcz.cm	6.6
Nottingham ...	1017.7	51	SW	1	o	1013.6	*	49	+13	E	1	E	orm	*	20	53	35	c.om	om	or	0.1

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Friday, 24th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SE-S. 5-15	Moderate	Dull, inland rain and mist.	Poor	Slight
2. E. England	SE-SW. 2-5	R. cold	Dull, local drizzle & mist.	"	Smooth
3. E. Midlands	E-SE. 2-5	Moderate	Dull, rainy, local mist.	Ord.	–
4. W. Midlands	E-SE. 2-10	"	Dull.	"	–
5. S.W. England	S-NW. 15-28	"	Dull, local showers.	Var.	R.rough
6. South Wales	E 0-5	"	Dull, local mist	Poor	Mod.
7. North Wales	ENE. 28-35	"	Dull, local showers & mist.	"	Rough
8. N.W. England	NEly. 20	"	Dull,	Poor	Mod.
9. N. Midlands	E-NE. 2-10	"	Dull, local rain & mist.	"	–
10. N.E. England	NEly. 5-15	R.cold	Dull, local rain, mist and squalls.	V.poor	Slight
11. E. Scotland	N-NE. 5-15	"	Fair to dull.	Good	Smooth
12. S.W. Scotland	N-NE. 10-20	Moderate	Dull, local rain.	Good	R.rough
13. Isle of Man	N-NE. 15-20	"	Dull, some rain.	Poor	R.rough
14. N.& N.W. Scotland	N-NE. 5-10	R.cold	Variable sky.	–	Slight
15. Hebrides	N. 10-15	"	Variable sky.	–	Slight
16. Orkneys and Shetlands	NW-NE. 5	Cold	Cloudy or dull, local mist.	Fair	V.smooth
17. N.W. Ireland	N. 15	Moderate	Fair	–	Slight
18. N.E. Ireland	NW-NE. 20-30	"	Cloudy and squally.	–	R.rough
19. S.E. Ireland	N. 10	R.cold	Cloudy, local rain.	Poor	Moderate
20. S.W. Ireland	N. 25-30	"	Cloudy or dull, local showers.	V.good	"

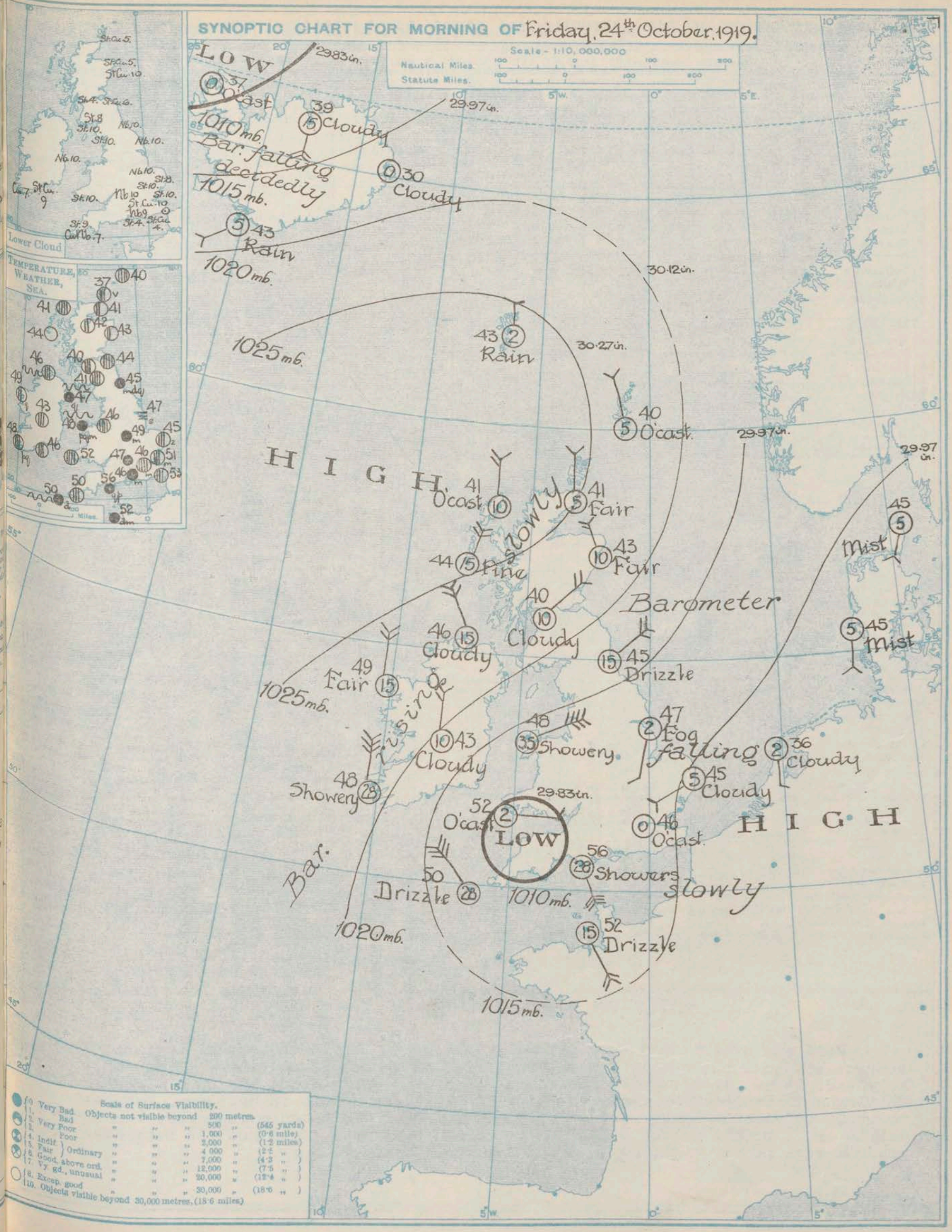


EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

A depression centred over the Bristol Channel appears to be moving south-eastward and growing deeper. Rain is probable at times over all the more southern and south-western districts, but in Scotland the weather will be fairer.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 24th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind mainly between E. and N. moderate or light. Dull, some rain and mist. Temperature falling somewhat.	An improvement, probably temporary, is expected in the weather over England after the ensuing 24 hours, but in Scotland and Ireland a renewal of unsettled conditions is anticipated.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind between NE. and NW. fresh or strong to moderate. Dull generally, occasional rain. Rather colder.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind Nly. backing to W. or SW. later, light or moderate. Fair, then dull, with some rain. Cold, then milder.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind N. backing to NW. fresh to moderate. Variable cloud, some showers. Moderate temperature.	


SYNOPTIC CHART FOR MORNING OF Friday, 24th October, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
29·83 in.
37 O'cast
39 (5) Cloudy
29·97 in.
1010 mb.
Bar. falling decidedly
1015 mb.
(0) 30 Cloudy
(5) 43 Rain
1020 mb.
30·12 in.
43 (2) Rain
30·27 in.
1025 mb.
40 (5) O'cast.
29·97 in.
HIGH
41 O'cast (10)
slowly
41 (5) Fair
44 (15) Fine
43 (10) Fair
40 (10) Cloudy
Barometer
46 (15) Cloudy
45 (15) Drizzle
49 Fair (15)
1025 mb.
rising
(10) 43 Cloudy
48 (35) Showery
47 (2) Fog
falling
(2) 36 Cloudy
(5) 45 Cloudy
48 Showery (28)
29·83 in.
52 O'cast (2)
LOW
(0) 46 O'cast.
HIGH
56 (28) Showers
slowly
Bar.
50 Drizzle (28)
1010 mb.
1020 mb.
(15) 52 Drizzle
1015 mb.
45 (5) Mist
(5) 45 Mist
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
0. Very Bad. Objects not visible beyond 200 metres.
1. Bad
2. Very Poor " " " 500 " (545 yards)
3. Poor " " " 1,000 " (0·6 mile)
4. Indif. " " " 2,000 " (1·2 miles)
5. Fair } Ordinary " " " 4 000 " (2·5 ")
6. Good, above ord. " " " 7,000 " (4·3 ")
7. Vy gd., unusual " " " 12,000 " (7·5 ")
8. Excep. good " " " 20,000 " (12·4 ")
10. Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No 297 B {Friday, 24TH OCTOBER.

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 23RD OCTOBER

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 22nd	Rainfall. Day. 9h-17h. 23rd	Sunshine.	Sunshine. Sunrise to Sunset 23rd
Scotland.	Oban	r.o	c.o	53	51	15	1	*	0.3
	Banff	ro	o.c.bc	49	46	15	2	*	0.0
	Montrose	or	or	53	44	10	8	*	0.0
	St. Andrews								
England, N.E.	Harrogate	o	o	54	41	-	-	*	0.2
	Skegness	bc.	c.o	53	41	-	-	*	2.1
	Scarborough	-	-	58	52	-	-	*	1.1
England, E.	Felixstowe	bcf	bcm	54	32	-	-	*	5.1
	Walton-on-Naze								
	Southend-on-Sea	feb	bbc	59	37	0.1	-	*	5.2
England, S.E.	Margate	b	c.bc.b	57	44	-	-	*	6.4
	Ramsgate	bc	bc	55	48	-	-	*	6.1
	Folkestone	m.b.bc	bc.b.bc	58	50	-	-	*	6.0
	Hastings								
	Eastbourne	bc.	bc	56	35	-	-	*	7.5
	Brighton	bc.b.	bc	57	36	-	-	*	7.4
	Worthing	b	b.bc	60	36	-	-	*	7.7
	Littlehampton	mb.	o	57	50	-	-	*	7.2
	Bournemouth	bc	bc	60	33	-	-	*	3.7
	Tunbridge Wells	b.bc.b	b	59	33	-	-	*	6.5
England, N.W.	Douglas (I.O.M.)								
	Blackpool	or	or	54	46	0.3	0.2	*	0.0
	Southport	o	or	55	46	-	0.3	*	0.0
Midlands.	Buxton	-	-	50	42	-	-	*	0.0
	Leamington Spa	c.b.	c.b.o	55	32	-	-	*	0.5
	Ross-on-Wye	cm	cm.o.	56	36	-	-	*	0.8
Wales.	Rhyl								
	Colwyn Bay	-	-	58	52	-	3	*	0.0
	Llandudno	cp	or	59	51	-	2	*	0.0
	Aberystwyth	o.c.o	o.or	56	53	-	-	*	0.0
England, S.W.	Weymouth	bc.c.	c.o	61	42	-	-	*	2.0
	Teignmouth								
	Torquay	o	od.o.	57	43	-	0.1	*	0.3
	Paignton	bc.of	or	57	36	-	0.3	*	0.1
	Penzance	od	od	56	54	0.4	1	*	0.0
	Newquay	o	o.ofd	58	49	-	0.1	*	0.0
	Bude	od.o	od.oe	58	43	-	-	*	0.0
	Ilfracombe	o	od	58	51	-	0.1	*	0.0
	Weston-s-Mare	bc.c.	c.o	58	43	-	-	*	1.0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-18h 23rd	Weather 18h-18h 23rd	Weather 18h-1h 24th	Weather 1h-7h 24th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	c.oq.	v.b.bc.		qv	46	35	*	*	*	*
Eskdalemuir	orm	orm	ormq	orq.o	51	39	39	23	19	0.0
†Stranraer	d. z.	z d.	d. z	pd.o	54	44	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen)	ormco	o.c.	cq.cpq		56	46	43	-	2	0.0
†Anglesey (Llangefni)	q fd.	o r.					*	*	*	*
Falmouth	ofe	odfe	dfe dr.	drfe	55	50	45	1	7	0.0
†Calshot (Hants)	z. m2	om.	om.	r.	59	39	*	*	*	*
†Capel (Folkestone)	b.bc z.	bc.c.z.	bc.c.z.	c.o3	52	46	*	*	*	*
Aberdeen	ormqf.	ofp.o.	o.c.bc		53	40	36	4	-	0.0
†East Fortune	o. r.	o r.	o r.	b.bcp.	55	43	*	*	*	*
†Flamborough Head	c.o z.	c.z.	z d.	om. d.	51	43	*	*	*	*
†Felixstowe	bcc z.	bc c.em.	bc.c. z.	oe	55	33	*	*	*	*
†Cranwell (Lincs)	c.o.c.	c.o.	o r.	r. r.	55	39	*	*	*	*
†Bedford	wx.	om. z.	z. r.	of r.	57	38	*	*	*	*
Benson	b.bc.	bc	r		56	33	40	-	4	*
London (Kew Obsy.)	f.bc.	bc.om	bm.bcm.cm.om		57	30 29	31	-	-	3.4

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora ⌂ Solar halo ⊕
Rime ⚹ Lunar halo ◎
Glazed frost ⌓ Solar corona ⊙
Glazed roads ⌓ Lunar corona ◎

LONDON. OBSERVATIONS.	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 HOURS ENDED 9H G.M.T. 24TH							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	bc.b.	b	b.o.om	60	40	25	-	5·3	57	92
City (Bunhill Row)	*	*	*	*	*	*	*	2·6	*	*
Westminster (St. James's Park)	*	*	*	60	40	34	-	4·1	57	86
" (Admiralty Arch	bcf.bcm	bcmom	om.of	59	46	*	-	3·7	66	95
Camden Sq. (British Rainfall)	b	bc	*	58	37	2·8	-	2·1	60	93
Kensington Palace	f.bc	bco	*	59	38	34	-	*	74 (18h)	97

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total .....529..... Joules.

Milliwatts.
Average Rate. 14·5
Maximum Rate. 34

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

24TH AND 25TH OCTOBER 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.36	11.37	4.38
	6.37	11.37	4.36
Greenwich	6.41	11.44	4.47
	6.42	11.44	4.45
Wick	7.10	11.56	4.42
	7.12	11.56	4.39
Valencia	7.23	12.25	5.28
	7.24	12.25	5.26

NOTES ON THE WEATHER OF YESTERDAY.

Rain was experienced very generally except in the south-east of England; at several stations the quantity was large, - 42 mm. at Eskdalemuir, 31 mm. at Holyhead, 25 mm. at Liverpool and Leith, 21 mm. at Spurn Head, and 20 mm. at Nottingham. Temperature remained below 50° at a few places in Scotland, but rose to about 60° over a large portion of England. Over the Kingdom generally there was little or no bright sunshine, but in the south-east of England and the Hebrides, the records were rather high; at Worthing the value was 7.7 hours.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21,156 B SATURDAY 25TH OCTOBER.....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. 24TH													
†Houton B. (Orkney)	1025·3	+1	ENE	2	3	42	87	8	3-4000	Cu	5	A.St	3	1
Eskdalemuir ...	1020·3	+1	NNE	6	orq	43	82	6	2-3000	Nb	4	A.St	6	*
†Stranraer ...	1021·2	+1	NNE	5	0	45	92	3	3-4000	St	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1022·9	0	N	6	cp	50	75	8	2-3000	Cu	7	-	-	5
†Anglesey (Llangefni)	1015·7	+1	ENE	6	r, f,	44	98	3	½-1000	St	10	-	-	6
Falmouth ...	1007·8	-4	-	0	0	53	82	-	-	St.Cu	10	-	-	*
†Calshot (Hants) ...	1010·5	-3	SSE	5	r₀f,	54	92	2	<500	St	10	-	-	6
†Capel (Folkestone)	1014·2	-2	SSE	3	0	51	82	4	3-4000	St.Cu	6	A.St	4	3
Aberdeen ...	1023·4	0	NE	3	0	47	65	8	-	F.Cu	6	A.St	3	3
†East Fortune ...	1022·3	0	NE	5	q	40	75	6	1½-2000	Nb	5	A.St	4	*
†Flamborough Head	1015·1	0	-	0	r, f,	51	98	2	½-1000	Nb	10	-	-	*
†Felixstowe ...	1014·5	-2	S	2	om,	53	82	3	4-5000	St.Cu	2	A.St	8	3
†Cranwell (Lincs)	1014·8	0	NE	1	r,	47	98	4	1-1500	Nb	10	-	-	*
†Bedford ...	1013·1	-1	ESE	1	r₀f,	50	92	2	<500	St	10	-	-	*
Benson	1011·5	-1	ESE	3	r, f,	49	97	3	*	*	*	*	*	*
London (Kew Ob.)	1012·7	-2	ESE	3	or, m	51	92	3	1-1500	St	10	-	-	*
	1H. G.M.T. OF 25TH													
†Houton B. (Orkney)	1026·8	0	N	1	b,	35	87	7	3-4000	St	2	-	-	2
Eskdalemuir ...	1024·0	+1	NNE	4	0	40	87	7	-	Cu	2	ci.St	8	*
†Stranraer ...	1024·3	+1	NNE	4	0	42	92	-	3-4000	St	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1026·3	+3	NNE	5	bcq	48	*	*	*	*	*	*	*	6
†Anglesey (Llangefni)														
Falmouth ...	1011·9	+3	NNE	5	0	48	92	1	-	St	10	-	-	*
†Calshot (Hants) ...	1013·8	+2	E	5	r₂f,	50	87	3	½-1000	Nb	10	-	-	6
†Capel (Folkestone)	?	?	NE	2	om₀	44	?	?	?	?	?	?	?	0
§Aberdeen ...	1025·0	+4	N	3	0	40	92	4	<500	St	10	-	-	*
†East Fortune ...	1024·8	+1	NE	4	c	43	87	-	2-3000	Nb	8	-	-	*
†Flamborough Head	1018·4	+2	NNE	6	0	48	82	4	1-1500	St	10	-	-	*
†Felixstowe ...	1015·5	+1	NE	2	bc	46	98	4	-	-	-	A.St	6	3
†Cranwell (Lincs)	1017·5	+2	NNE	2	0	47	98	4	2-3000	St	9	-	-	*
†Bedford ...	1015·6	-1	NNE	3	d₀	47	92	1	2-3000	St	10	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1014·3	+1	NE	2	0	49	*	*	*	*	*	*	*	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF 24TH													
†Houton B. (Orkney)	1026·3	+1	NE	2	0	38	87	5	½-2000	Cu	8	a.St	1	1
Eskdalemuir ...	1021·3	+1	NNE	5	0	41	75	7	-	Nb	2	a.St	7	*
†Stranraer ...	1020·2	+1	NNE	5	0	45	87	3	2-3000	St	7	a.St	2	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1024·2	+3	NNE	6	bc	49	65	10	2-3000	Cu	6	-	-	5
†Anglesey (Llangefni)	1016·5	+1	NE	6	r, f,	45	97	3	½-1000	St	10	-	-	6
Falmouth ...	1008·3	+2	N	3	cme	51	92	3	-	St.Cu	7	-	-	*
†Calshot (Hants) ...	1009·4	+1	SSE	5	r₂f,	50	97	4	<500	Nb	10	-	-	6
†Capel (Folkestone)	1013·0	-1	ESE	2	om₀	50	82	2	1-1500	St.Cu	10	-	-	?
Aberdeen ...	1024·2	+1	NNW	2	c	42	75	7	-	Fr.Cu	3	Fr.Ci	5	3
†East Fortune ...	1022·8	+1	NE	4	r,	46	75	-	3-4000	Nb	7	a.St	3	*
†Flamborough Head	1016·4	+2	NE	4	0	49	97	5	½-1000	St	10	-	-	*
†Felixstowe ...	1014·3	0	E	1	om₂	51	92	3	4-5000	St	3	a.St	7	3
†Cranwell (Lincs)	1010·5	+2	NE	2	0	47	97	4	1½-2000	St	10	-	-	*
†Bedford ...	1013·7	+1	NE	1	r₀f,	48	87	2	<500	St	10	-	-	*
Benson	1011·8	0	NE	1	r,	46	97	3	Nb	10	-	-	-	*
London (Kew Ob.)	1012·7	+1	E	3	orm	50	87	3	1-1500	St	10	-	-	*
	7H. G.M.T. OF 25TH													
†Houton B. (Orkney)	1025·8	-1	W	2	0	40	92	7	1½-2000	St	10	-	-	4
Eskdalemuir ...	1026·9	+3	NNE	3	bc	35	82	7	-	F.Cu	3	A.Cu	2	*
†Stranraer ...	1024·8	+2	NNW	2	bc	40	92	5	1½-2000	St	3	A.Cu	3	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1028·4	+1	NE	4	bc	45	75	10	2-3000	Cu	6	-	-	3
†Anglesey (Llangefni)	1023·2	+5	ENE	4	d₀	44	92	4	½-1000	St	10	-	-	4
Falmouth ...	1017·7	+5	NNE	4	or₀	48	82	4	-	Nb	10	-	-	*
†Calshot (Hants) ...	1017·0	+3	ENE	3	0	49	92	3	-	-	-	-	-	3
†Capel (Folkestone)	1015·3	+2	NE	3	0	40	92	3	1½-2000	St.Cu	10	-	-	4
§Aberdeen ...	1027·1	+2	NNW	3	c	37	82	7	-	St.Cu	8	-	-	3
†East Fortune ...	1026·5	+3	NE	4	c	41	75	6	3-4000	St.Cu	6	A.St	2	*
†Flamborough Head	1021·2	+3	NNE	7	0	46	82	7	2-3000	St	6	A.St	4	*
†Felixstowe ...	1016·2	0	NE	3	ef,	45	92	1	2-3000	St	8	A.St	1	3
†Cranwell (Lincs)	1020·7	+4	N	1	c	38	82	6	1½-2000	St.Cu	10	-	-	*
†Bedford ...	1017·5	+4	NE	4	r₀f,	48	92	1	<500	St	10	-	-	*
Benson	1016·5	+3	NNE	3	om₀	48	92	4	-	St.Cu	10	-	-	*
London ... ... (M.O. at 1H.)	1016·9	+4	NE	3	om₀	48	87	5	½-2000	St.Cu	10	-	-	*

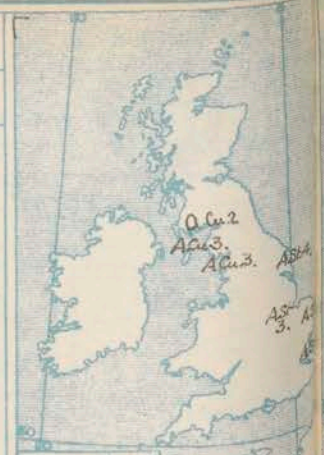
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 23RD					7H. G.M.T. of 25TH									24 HOURS ENDED 7H. 25TH						24.00
Lerwick ...	1025·3	38	NNW	3	bcm	1023·7	-1	39	-1	SSW	1	-	bcm	1	-	47	34	bcm	bc	bcm	*
Stornoway ...	1027·8	39	N	2	bc	1027·5	0	39	-2	W	3	-	0	2	-	47	34	o.c	c.bc	bc.o	3·2
Castlebay (Barra Is)	1026·8	44	NNE	3	b	1028·7	+1	41	-3	NE	2	N	bc	2	-	48	39	bc.o	o.b	c.bc	4·8
Glasgow ...	1024·1	42	NE	3	c3	1027·5	+3	35	-5	-	0	-	b	*	-	45	33	c.o	o	c.b3x	0·0
Malin Head ...	1024·2	46	NNW	4	c	1027·7	+1	46	0	N	3	-	c	2	-	53	40	bc	c	c	5·9
Blacksod Point	1026·4	49	NNE	5	c	1029·2	+3	49	0	N	3	-	or	3	0·2	50	45	bcp	c	c.o	*
Roche's Point ...	1020·5	48	N	5	bc	1026·5	+4	42	-4	NNW	5	-	b	4	-	51	39	o.c	c.bc	bc	*
Birr Castle ...	1023·0	43	N	3	c	1028·5	*	31	-8	N	1	N	c	*	-	49	31	c	c	cx	6·4
Donaghadee ...	1021·7	48	NE	6	cqm	1026·2	+3	46	-1	NE	5	-	o	4	-	49	43	om.o	cqm	cm	*
Liverpool (Bidston)	1015·7	43	NE	4	r	1023·0	+3	44	-2	NE	2	-	o	2	3	47	43	pom	od	odm	0·0
Holyhead ...	1017·2	47	ENE	7	opqm	1022·4	+2	48	0	NE	4	-	og	3	2	48	46	opqm	opqm	opqm	0·0
Pembroke (St. Ann's Head)	1013·1	47	N	4	or	1020·9	+4	47	-5	NNE	4	-	or	3	5	55	46	op	or	or	0·0
Scilly (St. Mary's)	1010·2	50	NNW	7	r	1017·1	+4	53	+3	NNE	5	-	om	6	12	53	47	oqr	oqmr	omp	0·7
Jersey (St. Aubin)	1008·7	53	WSW	3	0	1012·2	+1	50	-2	NE	5	-	o	3	2	56	49	odp.o	o.c.o	o	0·3
Portland Bill ...	1007·6	56	SW	2	0	1014·3	+5	52	-4	NE	5	-	oqp	5	23	56	45	or	op	oqp	*
Dungeness ...	1012·3	53	S	2	0	1014·3	+1	50	-3	ENE	4	NE	c	3	-	54	50	c	c.o	o.c	*
Wick	1025·2	42	N	3	omr	1028·6	0	35	-6	WNW	2	-	om	2	5	46	30	bc.c	c.omp	bc.om	*
Nairn	1025·2	43	N	1	bc	1028·0	*	34	-8	-	0	-	bc	1	0·1	46	31	bc	bcqp.c	bcx	1·3
Leith	1023·0	45	NE	5	0	1026·5	+1	41	-3	NNE	3	N	c	*	-	47	41	o.cq.o	o.cu.o	oq.ou.c	
Tynemouth ...	1019·6	47	NE	5	omqr	1023·6	+2	45	0	NE	4	-	cqp	4	8	48	44	omqr	omqr	omrqomp	*
Spurn Head ...	1015·8	50	NE	3	0	1020·0	+2	49	+2	NE	5	-	cq	5	1	51	45	orfe	fe.o	o.cq	0·0
Yarmouth (Gorleston)	1014·5	50	ESE	2	m	1016·3	+2	48	+3	ENE	5	-	c3q	4	trace	53	45	cm.c3	bc3	c3.bc3	0·0
Clacton-on-Sea	1013·5	51	E	2	0	1015·9	+2	45	+6	NNW	3	NE	ogm	2	-	52	45	cog.gm	ogm	o.bc.og	0·0
Nottingham ...	1014·8	49	NE	3	0	1020·5	*	45	-4	NNE	3	N	o	*	12	49	45	rm	rm.o	o	0·0

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 25th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NEly. 10-15	Moderate	Dull, local mist.	Poor	Slight
2. E. England	N-NE. 10-20	R.cold	Dull, local mist & rain.	V.poor	"
3. E. Midlands	N. 10	Moderate	Dull, local rain.	Ord.	--
4. W. Midlands	N-NE. 5-15	R.cold	Dull, local rain.	"	--
5. S.W. England	N-NE. 15-20	"	Dull, local mist & drizzle.	Poor	Rough
6. South Wales	NNE. 15	"	Dull, slight rain.	Ord.	Slight
7. North Wales	NE. 10-15	"	Dull, local drizzle.	"	"
8. N.W. England	NE. 5-15	"	Fair to dull.	Good	"
9. N. Midlands	N-NE. 5-15	"	Cloudy or dull.	"	--
10. N.E. England	NE. 15-28	Moderate	Cloudy or dull, local showers and squalls.	"	R.rough
11. E. Scotland	Nly. 0-10	Cold	Fair or cloudy.	"	Slight
12. S.W. Scotland	Nly. 0-10	"	Fair or fine.	Fair	Mod.
13. Isle of Man	NE. 10-15	R.cold	Cloudy or dull.	Good	"
14. N.&N.W. Scotland	Var. 0-5	Cold	Variable sky, local mist.	--	Smooth
15. Hebrides	W. 5-10	"	Fair to dull.	--	"
16. Orkneys and Shetlands	SW-W. 2-5	"	Fair to dull, local mist.	Fair	"
17. N.W. Ireland	N. 10	Moderate	Dull, local rain.	V.good	Slight
18. N.E. Ireland	N-NE. 10-20	R.cold	Cloudy.	Fair	"
19. S.E. Ireland	N. 2-10	Cold	"	Good	"
20. S.W. Ireland	NNW-NE. 15-20	"	Fair or fine.	V.good	Moderate

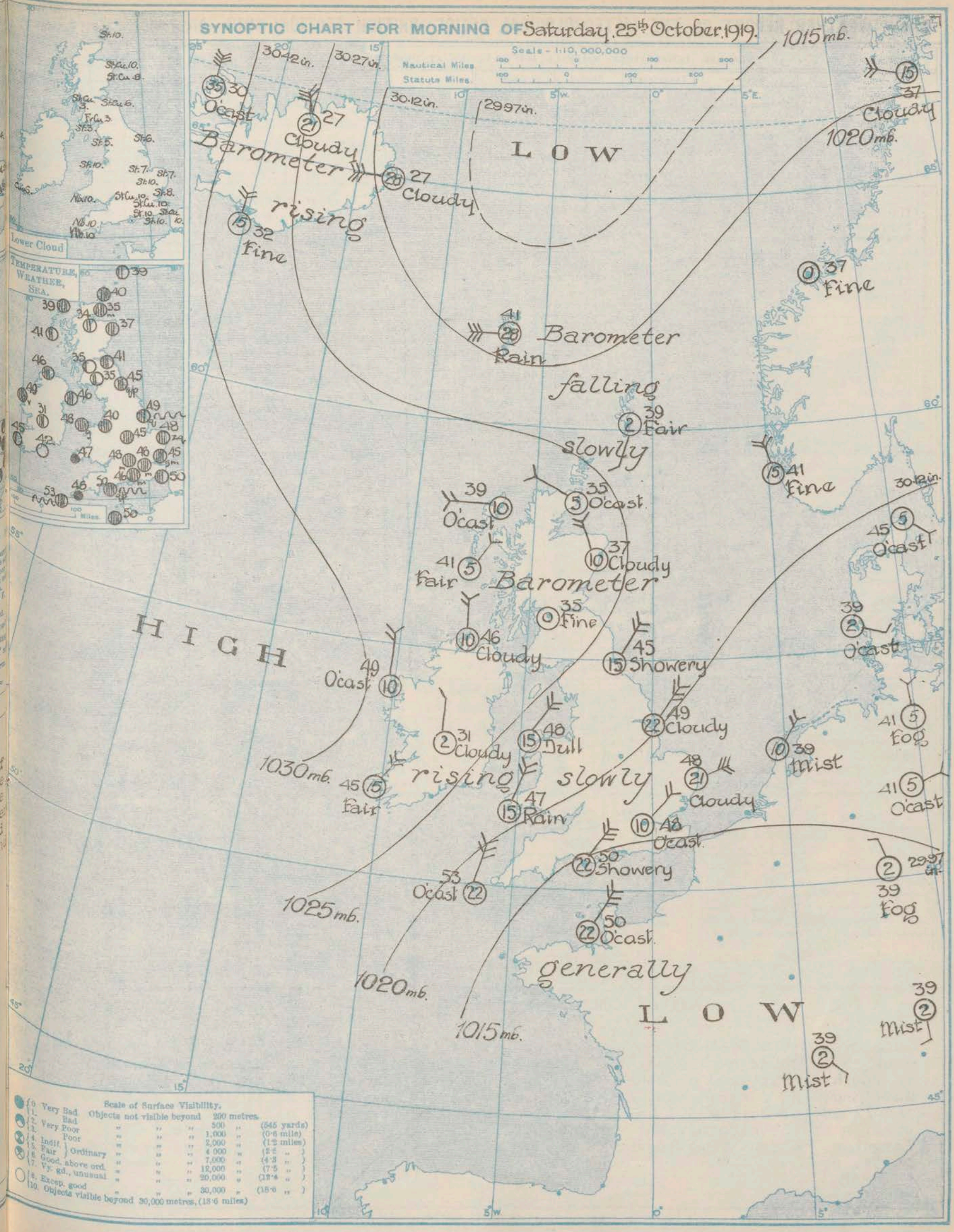


EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. T thunder. R thunderstorm.
SEA DISTURBANCE.—Rough. High.

GENERAL INFERENCE from observations received up to 9 a.m.

The depression of yesterday is moving away over France while a high pressure system is extending over the British Isles from the north-west and west. Improving weather is consequently probable generally, but a slight fall of the barometer in progress in Shetland may indicate showers in the extreme north of the Kingdom.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Saturday, 25th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England ~~11. E. Scotland~~	Wind between N. and NE. moderate, fresh at times locally. Much cloud, some local showers, then improving gradually. Moderate or rather low temperature.	Over the greater part of the Kingdom the weather will be fair, but showers may be expected in the north and north-west.
12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands ~~17. N.W. Ireland~~	Wind between N. and W. light. Fair or cloudy generally, local showers in north. Rather low temperature. Frost inland at night.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind N. or NE. moderate to light. Fair or cloudy. Temperature rather low. Frost inland at night.	


SYNOPTIC CHART FOR MORNING OF Saturday, 25th October, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Lower Cloud
TEMPERATURE, WEATHER, SEA.
HIGH
LOW
LOW
Barometer rising
Barometer falling slowly
Barometer rising slowly
generally
1015 mb.
1020 mb.
1025 mb.
1030 mb.
30.42 in.
30.27 in.
30.12 in.
29.97 in.
Scale of Surface Visibility.
0. Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Ordinary
7. Good, above ord.
8. Vy. gd., unusual
9. Excep. good
10. Objects visible beyond 30,000 metres, (18·6 miles)
Objects not visible beyond 200 metres
500 (545 yards)
1,000 (0·6 mile)
2,000 (1¼ miles)
4,000 (2·5)
7,000 (4·3)
12,000 (7·5)
20,000 (12·4)
30,000 (18·6)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 298 B (Saturday 25th October.)

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 24th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 23rd	Rainfall. Day. 9h-18h. 23rd	Sunshine.	Sunshine. Sunrise to Sun- 24th
Scotland.	Oban	o.c.	bc.b	47	35	–	–	*	3·4
	Banff	bcp	bc	47	44	–	1	*	0·9
	Montrose	c	c	46	40	–	–	*	0·0
	St. Andrews	o	c	47	43	1	–	*	0·1
England, N.E.	Harrogate	or	or	44	42	28	11	*	0·0
	Skegness	o	o	50	46	2	–	*	0·0
	Scarborough	–	–	?	54	6	70	*	0·0
England, E.	Felixstowe	bcm.om	om	52	44	–	–	*	0·0
	Walton-on-Naze								
	Southend-on-Sea	om	om	52	41	–	–	*	0·0
England, S.E.	Margate	o	o	53	45	–	–	*	0·0
	Ramsgate	–	–	53	44	–	–	*	0·0
	Folkestone	om.o	o	54	52	–	–	*	0·0
	Hastings							*	
	Eastbourne	o	o.ro	54	40	–	0·2	*	0·0
	Brighton	o	od	54	40	–	1	*	0·0
	Worthing	o	d	54	48	–	1	*	0·0
	Littlehampton	d	or	54	51	0·3	2	*	0·0
	Bournemouth	–	–	53	39	3	9	*	0·0
	Tunbridge Wells	o	o.or	57	39	–	1	*	0·0

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 23rd	Rainfall. Day. 9h-18h. 24th	Sunshine.	Sunshine. Sunrise to Sun- 24th
England, N.W.	Douglas (I.O.M.)							*	
	Blackpool		dr	46	44	33	4	*	0·0
	Southport	o	r	46	43	32	2	*	0·0
Midlands.	Buxton	c.or.cr	cr.or.c	44	42	24	6	*	0·0
	Leamington Spa	or	or	48	46	15	4	*	0·0
	Ross-on-Wye	r	r	52	45	25	19	*	0·0
Wales.	Rhyl	r	r	57	45	35	5	*	0·0
	Colwyn Bay	–	–	50	45	28	4	*	0·0
	Llandudno	or	or	54	44	26	4	*	0·0
	Aberystwyth	ro.o	o.c.o	52	45	?	?	*	0·0
England, S.W.	Weymouth	or	ro.p.o	56	53	14	7	*	0·0
	Teignmouth	o	c.bc.or	57	43	4	1	*	15
	Torquay	op	o.c.o	57	53	8	0·1	*	0·8
	Paignton	cpm	com	61	50	3	–	*	0·4
	Penzance	or.c.	o.c	56	51	4	1	*	1·6
	Newquay	o.c.o	c.bc.	54	52	3	–	*	1·3
	Bude	b	bc.c.r	57	50	4	3	*	5·9
	Ilfracombe	c.or	or	56	49	10	4	*	0·0
	Weston-s-Mare	r	r	53	50	10	3	*	0·0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-18h 24th	Weather 18h-18h 24th	Weather 18h 24th-7h 25th	Weather 1h-7h 25th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	bc.cv	om.p.	b.bc3,	p2v	40	33	*	*	*	*
Eskdalemuir	o.orq	orq.o	o.op.o	o.c.bc	48	34	31	0·4	–	0·0
†Stranraer	o3	3.c.o	c.o	bc.c	45	35	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen)	cpq	cpq.bc	bcqq.bc		51	46	44	1	–	3·0
†Anglesey (Llangefni)	r.q	r.q		od,	46	43	*	*	*	*
Falmouth	c.od.o	o.bc.cp	crq.oq	orq	54	46	45	1	6	0·5
†Calshot (Hants)	b.o	r1.m1	r2	op2	52	46	*	*	*	*
†Capel (Folkestone)	c3,	om.g	?	c.o.om,	51	42	*	*	*	*
Aberdeen	op.c.o	c.bc.c	cp.c		47	37	33	trace	0·2	1·1
†East Fortune	q.c	q.c	p1.o	p1c.o	46	39	*	*	*	*
†Flamborough Head	r.3,	r.3,	om.q	c.oq	50	46	*	*	*	*
†Felixstowe	om.f1	om.om	c.o3,	bc.cf1	54	43	*	*	*	*
†Cranwell (Lincs)	r1.r2	r1.o	p.o	c.o	49	44	*	*	*	*
†Bedford	om.r2	om.r2	f2.p	omqr2	50	45	*	*	*	*
Benson	rm	rm	r.om		49	45	44	10	3	*
London (Kew Obsy.)	of.om.orm	orm	orm.om		52	46	43	2	1	0·0

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—
Aurora ⌔ Solar halo ⊕
Rime ⚹ Lunar halo ⊚
Glazed frost ⌓ Solar corona ⦶
Glazed roads ⌓ Lunar corona ⦷

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 10 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 Hours ended 9h G.M.T. 26th							Yesterday.		To-day.
Greenwich (Royal Observatory)	o	or	or.o.⊕	53	45	40	3	0·0	82	82
City (Bunhill Row)	*	*	*	*	*	*	*	0·0	*	.
Westminster (St. James's Park)	*	*	*	60	45	43	5	0·0	77	84
,, (Admiralty Arch)	of.p.omp	omr	omr.o	53	47	*	4	0·0	77	90
Camden Sq. (British Rainfall)	om.od	or	*	51	46	41	5	0·0	83	91
Kensington Palace	om.d.r	r	*	52	45	44	5	*	92 (10h)	89

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total .....120..... Joules.

Milliwatts.

Average Rate. 35

Maximum Rate. 8

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

25th & 26th October 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.37	11.37	4.36
	6.39	11.37	4.35
Greenwich	6.42	11.44	4.45
	6.44	11.44	4.43
Wick	7.12	11.56	4.37
	7.14	11.56	4.28
Valencia	7.22	12.25	5.24
	7.26	12.25	5.24

NOTES ON THE WEATHER OF YESTERDAY.

Over Great Britain the weather was quite overcast generally, but in Ireland the sunshine records were good, and moderately high values were also recorded at Bude, in the Hebrides, and at Oban. Rain fell at most places in England and east of Scotland, the largest measurements being 23 mm. at Portland Bill, 13 mm. at Benson, and 12 mm. at Scilly and Nottingham. Temperature remained below 50° over a large portion of the Kingdom, but exceeded 55° in the south-west and touched 61° at Paignton. Slight frost occurred at night in central Ireland and at some Scottish stations.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21,157. B ..SUNDAY., 26TH. OCTOBER..1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. 25TH.													
†Houton B. (Orkney)	1024·1	−2	W	5	c.q	45	92	4	1-1500	Cu.Nb	9	–	–	4
Eskdalemuir ...	1027·9	+1	NE	4	b	42	85	8	3-4000	Sr.Cu	1	Ci.St	1	*
†Stranraer ...	?	+1	N	2	bcv	45	95	8	2-3000	St	2	Ci.St	2	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1030·7	+1	NNE	4	?bcr	51	65	10	3-4000	St.Cu	4	–	–	3
†Anglesey (Llangefni)	1026·2	+2	NE	5	c	46	95	8	1½-2000	Nb	4	a.Cu	4	5
Falmouth ...	1021·5	+2	NNE	5	oq	51	95	5	–	St.Cu	9	–	–	*
†Calshot (Hants) ...	1019·4	0	ENE	3	o	52	92	6	4500	St	10	–	–	5
†Capel (Folkestone)	1017·7	+1	NE	6	o	47	95	5	1-1500	St	10	–	–	4
Aberdeen ...	1026·5	−1	NNW	2	b	47	55	8	–	Sr.Cu	1	–	–	2
†East Fortune ...	1028·2	+1	NNE	1	b	44	95	8	3-4000	Sr.Cu	1	–	–	*
†Flamboro' Hd.	1022·9	?+1	N	7	c	48	65	8	4-5000	St.Cu	6	a.St	1	*
†Felixstowe ...	1019·3	+2	E	4	c	51	87	3	2-3000	St.Cu	7	–	–	3
†Cranwell (Lincs)	1023·0	+2	N	5	bc	49	65	8	2-3000	St	3	Ci.Cu	3	*
†Bedford ...	1021·1	+2	N	4	o	45	95	6	1½-2000	St	10	–	–	*
Benson	1020·4	+3	NNE	4	o	47	82	4	*	*	*	*	*	*
London (Kew Ob.)	1019·2	+1	NNE	4	o	52	95	5	1½-2000	St.Cu	10	–	–	*
	1H. G.M.T. OF 26TH.													
†Houton B. (Orkney)	1025·5	−1	NNW	8	r.h.q	38	87	4	1½-2000	Cu.Nb	8	–	–	7
Eskdalemuir ...	1016·7	−2	–	0	bx	36	55	7	–	St	3	–	–	*
†Stranraer ...	1028·0	0	N	2	bc	41	98	–	2-3000	St	5	–	–	*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1033·8	+2	NNE	3	bcv	48	*	*	*	*	*	*	*	*
†Anglesey (Llangefni)														
Falmouth ...	1027·6	+2	NNE	3	o	46	75	4	–	St	10	–	–	*
†Calshot (Hants) ...	1025·0	+3	NE	2	o	45	92	4	1-1500	St	10	–	–	4
†Capel (Folkestone)	1021·8	+1	NNE	5	r2	45	98	4	½-1000	Nb	10	–	–	5
§Aberdeen ...	1023·8	0	NW	3	b	41	92	–	–	–	–	–	–	*
†East Fortune ...	1026·1	0	NNW	1	b	41	92	–	–	–	–	–	–	*
†Flamboro' Hd.	1025·6	0	WNW	3	b	40	87	8	–	–	–	a.St	1	*
†Felixstowe ...	1023·2	+3	NE	3	o	47	87	–	1-1500	St	10	–	–	5
†Cranwell (Lincs)	1023·8	0	NW	2	o	38	87	5	2-3000	St	10	–	–	*
†Bedford ...	1024·5	0	N	3	om,	43	75	5	2-3000	St	9	–	–	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1024·1	+1	N	2	b,	46	*	*	*	*	*	*	*	*

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF 25TH.													
†Houton B. (Orkney)	1023·5	−1	NNW	8	cq	40	87	4	1½-2000	Nb	5	a.St	3	6
Eskdalemuir ...	1028·3	+1	—	0	bz	33	82	5	–	–	–	–	–	*
†Stranraer ...	1029·5	0	–	0	bc	36	97	?	?	?	?	–	–	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1032·4	+2	NE	1	bv	46	95	10	3-4000	Cu	3	–	–	3
†Anglesey (Llangefni)														
Falmouth ...	1024·7	+4	NNE	4	omc	47	95	3	–	St	9	–	–	*
†Calshot (Hants) ...	1022·3	+1	ENE	3	o	49	92	5	4000	?St	10	–	–	4
†Capel (Folkestone)	1019·4	+2	NNE	6	o	49	95	5	½-1000	St	10	–	–	5
Aberdeen ...	1025·2	−1	N	2	c	45	65	7	–	St.Cu	8	–	–	2
†East Fortune ...	1029·2	−2	NSW	1	b	41	95	?	–	–	–	–	–	*
†Flamboro' Hd.	1024·3	+1	N	6	o	46	65	7	2-3000	St.Cu	6	a.St	3	*
†Felixstowe ...	1020·6	0	NE	4	o	57	97	?	1½-2000	St.Cu	10	–	–	3
†Cranwell (Lincs)	1024·5	+3	NNW	3	o	43	92	6	2-3000	St	6	a.St	4	*
†Bedford ...	1022·9	+4	N	4	o	46	87	5	1½-2000	St	10	–	–	*
Benson	1023·3	+3	NE	2	o	45	82	6	–	St.Cu	10	–	–	*
London (Kew Ob.)	1021·9	+4	N	3	o	48	82	4	1½-2000	St.Cu	10	–	–	*
	7H. G.M.T. OF 26TH.													
†Houton B. (Orkney)	1019·9	−1	N	9	o8	39	82	5	1½-2000	St.Cu	6	a.St	4	8
Eskdalemuir ...	1026·3	−1	NW	4	bx	34	95	7	–	–	–	–	–	*
†Stranraer ...	1028·2	0	N	3	bc	41	92	8	4-5000	St	4	–	–	*
†Lough Foyle ...														*
Valencia (Cahirc'n)	1033·1	−1	N	3	c	48	87	10	2-3000	St.Cu	7	–	–	3
†Anglesey (Llangefni)	1027·9	−1	NNE	3	r	44	92	6	½-1000	St	10	–	–	4
Falmouth ...	1028·7	+1	NNE	1	b	37	87	7	–	St.Cu	1	–	–	*
†Calshot (Hants) ...	1025·6	+2	N	2	b	40	97	4	–	–	–	–	–	3
†Capel (Folkestone)	1022·5	+1	N	7	bcq	40	92	5	1-1500					
§Aberdeen ...	1021·4	−1	NNW	6	r.o.q	39	82	7	–	Cu.Nb	5	–	–	3
†East Fortune ...	?1025·0	−1	NW	4	b	40	95	7	2-3000	St	2	–	–	*
†Flamboro' Hd.	1022·3	−2	N	7	oq	44	95	8	2-3000	St.Cu	6	a.St	4	*
†Felixstowe ...	1022·9	−1	N	3	c	42	87	5	3-4000	St.Cu	8	–	–	3
†Cranwell (Lincs)	1025·7	−1	WNW	2	c	36	92	4	2-3000	St	5	a.St	2	*
†Bedford ...	1024·8	0	W	2	om	36	82	3	4-5000	St.Cu	9	–	–	*
Benson	1025·3	0	SE	1	bz	30	97	6	–	St	2	–	–	*
London	1024·4	0	NNW	1	bc	39	82	5	2-3000	St.Cu	5	–	–	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.
	18H. G.M.T. of 25TH.					7H. G.M.T. of 26TH.								
Lerwick ...	1017·9	40	W	3	bcm	1014·3	−2	36	−3	N	3	–	r.h.p	?
Stornoway ...	1027·1	45	NW	4	c	1027·9	0	41	+2	NW	7	–	cq	b
Castlebay (Barra Is)	1029·7	48	NW	4	o	1031·5	0	44	+3	NW	5	–	o.p	4
Glasgow ...	1028·2	43	WNW	2	bz	1027·1	0	37	+2	W	3	–	b	*
Malin Head ...	1029·3	50	NW	3	bc	1028·9	0	45	−1	NW	4	NW	bcp	3
Blacksod Point	1033·0	49	–	0	bc	1031·9	0	46	−3	NNE	2	–	cp	2
Roche's Point...	1030·1	47	NNW	2	b	1032·3	0	45	+3	N	1	–	o	1
Birr Castle ...	1031·2	45	N	1	c	1031·3	*	40	+9	N	1	–	c	*
Donaghadee ...	1028·6	47	N	3	bc	1028·8	0	46	0	N	5	N	bcv	4
Liverpool (Bidston)	1027·4	43	NNW	2	b	1025·8	−1	44	0	N	2	N	cm	2
Holyhead ...	1028·4	46	NE	5	b	1027·3	0	47	−1	NNE	6	N	op	5
Pembroke (St. Ann's Head)	1024·7	45	NNE	4	b	1028·5	−1	47	0	N	3	N	bcv	3
Scilly (St. Mary's)	1025·2	50	NE	5	o	1029·1	+1	50	−3	NNE	3	NW	o	4
Jersey (St. Aubin)	1019·8	53	NE	4	o	1024·5	+1	49	−1	NE	4	–	o	4
Portland Bill ...	1021·9	48	NNE	4	oq	1025·2	+1	40	−12	N	4	–	b	3
Dungeness ...	1018·6	51	NE	4	c	1021·9	+1	39	−11	N	3	NE	b	3
Wick	1023·1	43	W	2	r	1020·4	−3	40	−5	NNW	6	–	ompq	4
Nairn	1025·7	44	W	1	c	1023·9	*	40	−6	NNW	5	–	cq.f	4
Leith	1026·5	41	SW	2	b	1025·2	0	36	−5	W	2	–	b	2
Tynemouth ...	1026·3	43	WNW	2	bcm	1024·3	−2	38	−7	NW	2	–	bc	3
Spurn Head ...	1024·9	48	NE	4	cq	1023·0	−1	43	−6	NW	4	–	cqp	5
Yarmouth (Gorleston)	1019·0	50	ENE	5	o	1021·0	−2	44	−4	N	3	–	omp	4
Clacton-on-Sea	1020·2	51	NNE	2	o	1022·4	0	43	−2	NW	3	N	o.f	2
Nottingham ...	1024·9	44	N	2	b	1024·7	*	38	−7	NW	1	NW	bc	*

STATIONS.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	24 HOURS ENDED 7H. 26TH.						25TH.
Lerwick ...	5	48	34	omp	omp	r.h.p	*
Stornoway ...	2	50	38	o.cp	cp	cq	3·6
Castlebay (Barra Is)	1	52	41	c.bc	bc.o	o.bc.op	4·0
Glasgow ...	–	46	34	bzm cm	cm bz	bz.bc	3·7
Malin Head ...	1	?	43	bc	bc	bc	7·5
Blacksod Point	1	52	42	bc	bc	bc.cp	*
Roche's Point...	0·1	51	42	b	b	b	*
Birr Castle ...	–	49	31	c	c	c	7·7
Donaghadee ...	1	49	44	bcv	bcv	ompq	*
Liverpool (Bidston)	–	48	39	c	bc		3·9
Holyhead ...	0·2	49	44	o.cp.c	c.bc.b	b.bc.cp	3·8
Pembroke (St. Ann's Head)	–	50	41	o.c.	bc	b.bcv	0·2
Scilly (St. Mary's)	–	52	46	om	c	c.o	0·0
Jersey (St. Aubin)	–	56	49	o	o.c.o	o	0·0
Portland Bill ...	–	52	38	oq	oq	bc.b	*
Dungeness ...	1	52	38	c	c	or.od.c	*
Wick	4	50	34	om.cm	cm.omp	ompq	*
Nairn	0·3	48	34	bc	bc.c	bcp.c	5·2
Leith	–	47	36	c.bc.b	b	bz.bc.b	*
Tynemouth ...	–	46	36	bcq.p	bc	bc.o.bcm	*
Spurn Head ...	0·2	50	40	cq	cq	cqp	*
Yarmouth (Gorleston)	4	53	42	c	omq	oqp.oq	1·2
Clacton-on-Sea	1	53	40	om.cz	c.oz	oqa.b.o	1·7
Nottingham ...	–	50	33			c.o.b	1·4

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Sunday, 26th October, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N NW 5 20	Cold	Fine to cloudy, squally locally.	Fair	Mod.
2. E. England	N NW 5 10	R. cold	Dull, some showers.	Ord.	Slight
3. E. Midlands	N W 0 10	" "	Variable cloud, local mist.	Var.	-
4. W. Midlands	N W 0-10	" "	Fair or cloudy.	Good	-
5. S.W. England	N NNE 5 15	Cold	Variable cloud.	Var.	Mod.
6. South Wales	N 5 10	R. cold	Fair or cloudy.	Good	Slight
7. North Wales	NNE 10 25	Moderate	Dull, some showers.	Good	R, rough
8. N.W. England	N 0 10	"	Cloudy, local mist.	Var.	Smooth
9. N. Midlands	N NW 0 10	R. cold	Fair or cloudy.	Good	-
10. N.E. England	N NW 5 20	" "	Fair or cloudy, local squalls & showers.	"	Mod.
11. E. Scotland	NW 10 25	" "	Variable cloud, some rain & squalls.	"	"
12. S.W. Scotland	NW W 10 15	" "	Fine.	"	Slight
13. Isle of Man	N 10 20	" "	Fair or cloudy.	"	Mod.
14. N.& N.W. Scotland	N NNW 15 30	" "	Dull; squally.	Var.	R. rough
15. Hebrides	NW 20 35	" "	Cloudy.	Good	Rough
16. Orkneys and Shetlands	N W 10 40	Cold	Dull; rain & hail showers.	Fair	High
17. N.W. Ireland	N NW 5 15	Moderate	Fair or cloudy; some showers.	Good	Slight
18. N.E. Ireland	N-NW 10-20	"	Fair.	"	Mod.
19. S.E. Ireland	N-W 0-5	R. cold	Fair or cloudy.	Fair	Smooth
20 S.W. Ireland	N 0 10	Moderate	Fair to cloudy.	V. Good	"

EXPLANATION.

BAROMETER.—Isobars are drawn at 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. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in degrees F.

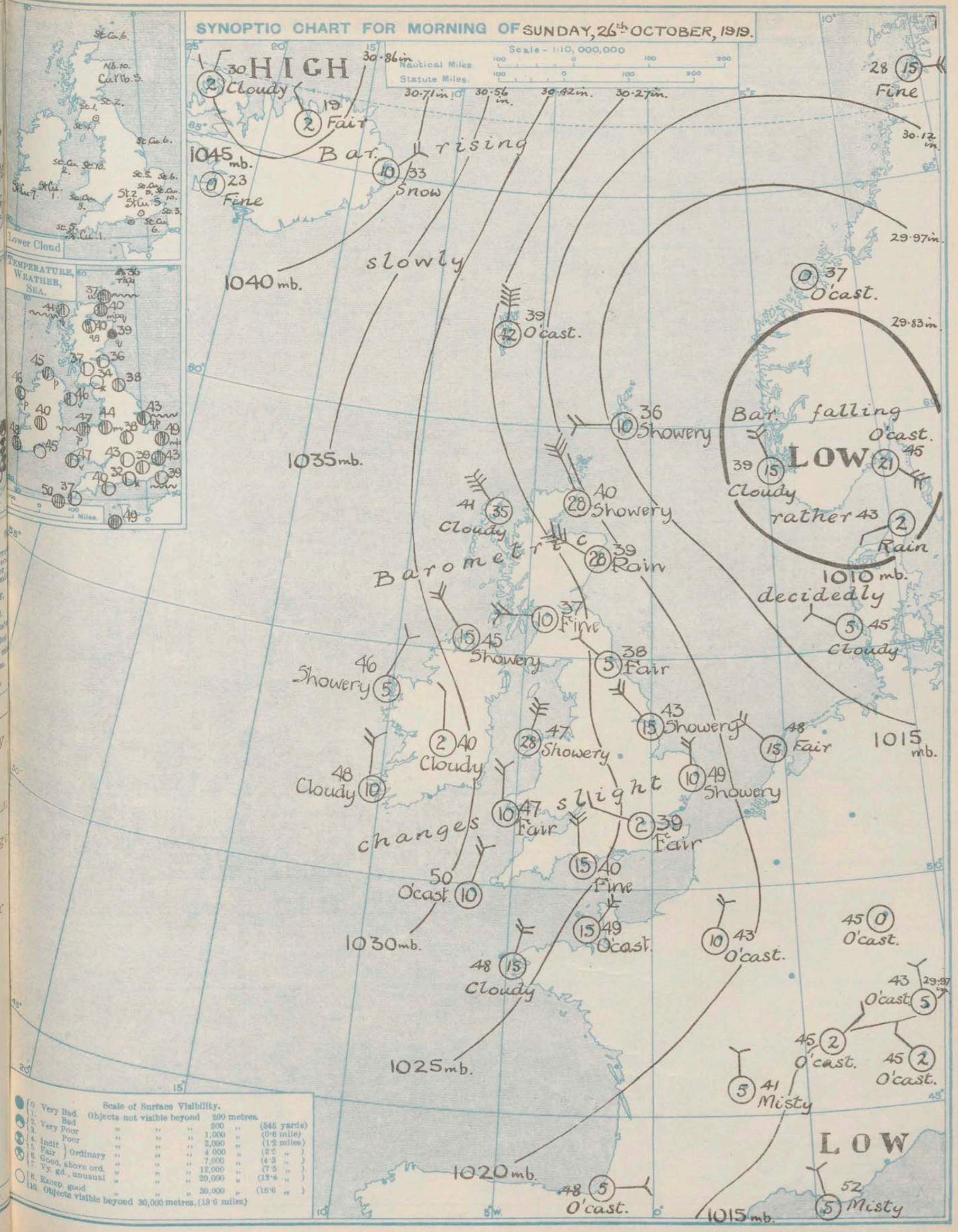
WEATHER SYMBOLS.—clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.

SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

The depression over Southern Norway is growing deeper, while the anticyclone over Iceland appears to be still increasing in intensity. Strong winds or gales from the North are probable in the North and North-east, and freshening North or North-west winds elsewhere.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Sunday, 26th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands	Wind North or North west, freshening. Cloudy generally; dull at times, some showers later. Rather cold.	Wind mainly N ly. force variable, stronger in E. than elsewhere. Changeable sky, some showers, hail or sleet locally.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind North west or North, moderate to fresh. Fair or cloudy, some showers. Cold.	
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind North or North west, fresh or strong, a gale in exposed places. Changeable, showery, rain, hail or sleet. Cold.	
17. N.W. Ireland 18. N E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind North or North west, light to fresh. Fair generally. Local showers. Cold.	


SYNOPTIC CHART FOR MORNING OF SUNDAY, 26th OCTOBER, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
HIGH
30·86 in.
30·71 in.
30·56 in.
30·42 in.
30·27 in.
30·12 in.
29·97 in.
29·83 in.
1045 mb.
1040 mb.
1035 mb.
1030 mb.
1025 mb.
1020 mb.
1015 mb.
1010 mb.
Bar. rising slowly
Barometer decidedly changes slight
Bar. falling
LOW
LOW
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
0. Very Bad. Objects not visible beyond 200 metres.
1. Bad " " " 500 " (545 yards)
2. Very Poor " " " 1,000 " (0·6 mile)
3. Poor " " " 2,000 " (1·2 miles)
4. Indif. } Ordinary " " " 4,000 " (2·5 ")
5. Fair } " " " 7,000 " (4·3 ")
6. Good, above ord. " " " 12,000 " (7·5 ")
7. Vy. gd., unusual " " " 20,000 " (12·4 ")
8. Excep. good " " " 30,000 " (18·6 ")
10. Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 292 B { Sunday 26th October

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 25th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 24th	Rainfall. Day. 9h-18h. 25th	Sunshine.	Sunshine. Sunrise to Sunset. 25th
Scotland.	Oban	b.	bc. om.	51	31	-	0·1		5·0
	Banff	b.	b. bcp	50	41	1	-		6·2
	Montrose	b.	b. bc	48	35	-	-		8·9
	St. Andrews								
England, N.E.	Harrogate	o. bc. c	o. c. o	44	40	1	-		1·8
	Skegness								
England, E.	Felixstowe	om. bcm	omq	52	43	-	-		2·2
	Walton-on-Naze								
	Southend-on-Sea	om	o. c. o	54	43	-	-		1·1
England, S.E.	Margate	c	c	52	49	-	-		0·0
	Ramsgate	*	*	53	48	-	-		0·0
	Folkestone	o	o	51	49	-	-		0·0
	Hastings								
	Eastbourne	o.	o. c. o	54	44	1	-		1·8
	Brighton								
	Worthing	*	*	54	46	1	-		0·1
	Littlehampton	om	om	54	42	3	-		0·2
	Bournemouth	*	*	53	45	?	-		0·0
	Tonbridge Wells	o	o. c. o	52	43	0·1	-		0·4

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 24th	Rainfall. Day. 9h-18h. 25th	Sunshine.	Sunshine. Sunrise to Sunset. 25th
England, N.W.	Douglas (I.O.M.)								
	Blackpool								
	Southport	bc	bc. c. b	48	43	2	-		4·8
Midlands.	Buxton	rc. bc. c	c. b	44	40	2	-		0·1
	Leamington Spa	c. b	c. b. bc	50	46	4	-		0·7
	Malvern								
	Ross-on-Wye	g. om	c. bc. c	49	43	4	-		0·1
Wales.	Rhyl								
	Colwyn Bay								
	Llandudno								
	Aberystwyth	r. o	c. bc	49	46	*	*		0·8
England, S.W.	Weymouth								
	Teignmouth								
	Torquay	o	o. c. o	51	48	6	1		0·7
	Paignton	o	o	50	47	3	-		0·1
	Penzance								
	Newquay								
	Bude	r	rc. ou	51	47	3	0·1		0·0
	Ilfracombe								
	Weston-s-Mare								

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 25th	Weather 13h-18h 25th	Weather 18h 25th-1h 26th	Weather 1h-7h 26th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	p1	p2	p1	prh, r.s.	45	34	*	*	*	*
Eskdalemuir	bc. b	bv. b2	b2. b. bx	bx	43	30	23	-	-	8·7
†Stranraer	b. bcv.	b. bcv	bc. cpd0	b. bc. d0	47	35	*	*	*	*
†Lough Foyle					*	*	*	*	*	*
Valencia (Cahirciveen)	bc cv	b. bc. bv	b. o. c		51	44	38	-	-	7·5
†Anglesey (Llangefni)	op1	bc. c		oq	47	33	*	*	*	*
Falmouth	oq	oq/cmq	o	o. bcw	51	37	27	1	-	0·0
†Calshot (Hants)	b. o	b. o	o	o	?	?	*	*	*	*
†Capel (Folkestone)	c. o2	opd0	pd1	p2. c.	50	39	*	*	*	*
Aberdeen	c. bc. b	b. bc. c	c. bcq		48	37	34	-	1	7·1
†East Fortune	b. bcv	b2.	b. bcε.	b	48	35	*	*	*	*
†Flamboro' H.d	qv.	qv.	vq	cv	?	?	*	*	*	*
†Felixstowe	bc. c	opd0	q/pd0	opd1	57	43	*	*	*	*
†Cranwell (Lincs)	o. b. bc	bc	c. o	c. bc. c	50	32	*	*	*	*
†Bedford	omq	omq	omq	3. q	48	33	*	*	*	*
Benson	do.	o	c. bc		48	30	21	0·2	-	*
London (Kew Obsy.)	om. o	o	o. c. bc		52	38	29	-	-	0·0

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora — Solar halo
Rime — Lunar halo
Glazed frost — Solar corona
Glazed roads — Lunar corona

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. Yesterday.	Humidity % 9 h. G.M.T. To-day.
	24 Hours ended 9h G.M.T. 26th									
Greenwich (Royal Observatory)	0	0	o. bc. b. o	54	40	31	-	0·0	78	66
City (Bunhill Row)	*	*	*	*	*	*	*		*	*
Westminster (St. James's Park)	*	*	*							
" (Admiralty Arch)	omq. cq.	oq.	od. bc. cm	54	41	*	-	0·0	86	87
Camden Sq. (British Rainfall)	0	0	*	53	39	36	-	0·0	79	74
Kensington Palace	0	0	*	53	37	36	-	*	85 (18h)	80

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ..... Joules.

Milliwatts.

Average Rate.

Maximum Rate.

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

26th & 27th October 1919.

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

NOTES ON THE WEATHER OF YESTERDAY.

Temperature failed to reach 50° over very extensive area, and below 55° except at Jersey. Slight frost occurred at night at a few inland stations. Showers were experienced in most parts of the Kingdom, but they were mostly slight. Bright sunshine was more general in the N. and W. than elsewhere. At some South-western and Southern stations the day was sunless; in Ireland the record was about 7.5 hrs., and at Eskdalemuir and Montrose nearly 9 hrs.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 24,158 B MONDAY, 27TH OCTOBER ..... 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. ....26TH....													
†Houton B. (Orkney)														
Eskdalemuir ...	1022·6	-3	NW	7	b	44	65	6	-	-	-	-	-	*
†Stranraer ...	?1027·0	0	N	7	bc	47	76	8	2·3000	Cu	4	-	-	*
†Lough Foyle ...														
Valencia (Cahire'n)	1033·1	0	N	3	bcv	52	65	10	3·4000	St Cu	3	a Cu	3	3
†Anglesey (Llangefni)	1027·3	-1	NNE	4	c	49	65	8	2·3000	CuNb	8	-	-	5
Falmouth ...	1027·5	-2	NNW	5	cqpv	51	65	7	-	CuNb	7	-	-	*
†Calshot (Hants) ...	1024·2	-1	NNE	1	0	50	76	6	2·3000	Cu	8	-	-	4
†Capel (Folkestone)	1021·7	0	N	5	0	46	75	7	4·5000	?	?	?	?	5
Aberdeen ...	1016·3	-5	WNW	7	r1	43	82	7	-	CuNb	10	-	-	4
†East Fortune ...	1021·4	-4	NW	6	bcv	47	65	7	4·5000	Nb	5	-	-	*
†Flamborough Hd	1020·3	-3	NW	6	bcq	45	65	8	4·5000	Cu	5	-	-	*
†Felixstowe ...	1021·5	-4	N	4	bcq	50	65	6	3·4000	Cu	5	-	-	4
†Cranwell (Lincs)	1023·0	-2	NW	3	b	47	55	8	4·5000	Cu	3	-	-	*
†Bedford ...	1023·4	-2	N	4	bc2	48	65	5	2·3000	St	3	a St	3	*
Benson	1023·8	-1	NW	3	c	47	65	5	-	-	-	-	-	*
London (Kew Ob.)	1023·2	-2	NNW	3	bc	47	65	5	3·4000	Cu	5	-	-	*
	1H. G.M.T. OF ..27TH....													
†Houton B. (Orkney)														
Eskdalemuir ...	1021·1	-2	NNW	6	b	38	65	7	-	-	-	-	-	*
†Stranraer ...	1024·9	0	N	2	bq	44	92	-	2·3000	St	3	-	-	*
†Lough Foyle ...														
Valencia (Cahire'n)	1033·3	0	NNE	4	bc	41	*	*	*	*	*	*	*	
†Anglesey (Llangefni)	1025·0	-1	NNE	3	0	45	75	-	2·3000	St	10	-	-	5
Falmouth ...	1027·5	-1	NNW	4	b	44	65	7	-	CuNb	1	-	-	*
†Calshot (Hants) ...	1022·4	-1	N	6	0	38	92	6	2·500	St	10	-	-	6
†Capel (Folkestone)	1017·1	-2	NW	7	b	38	75	6	3·4000	St	2	-	-	5
§Aberdeen ...	1018·3	+2	N	6	rhzq	40	92	4	2·500	Nb	10	-	-	*
†East Fortune ...	1021·4	0	N	6	bq	41	75	-	3·4000	StCu	2	-	-	*
†Flamborough Hd														*
†Felixstowe ...	1015·8	-4	WNW	4	b	43	75	-	3·4000	St	3	-	-	5
†Cranwell (Lincs)	1017·7	-2	NW	5	b	40	65	6	2·3000	St	3	-	-	*
†Bedford ...	1019·1	-3	NW	3	bq	41	75	-	2·3000	StCu	3	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1018·5	-3	WNW	3	b	41	*	*	*	*	*	*	*	*
	18H. G.M.T. OF ....26TH....													
†Houton B. (Orkney)														
Eskdalemuir ...	1022·1	+1	NW	5	bq	40	75	6	-	Cu	3	-	-	*
†Stranraer ...	1025·0	-1	N	7	bcq	46	92	3	2·3000	St	5	-	-	*
†Lough Foyle ...														
Valencia (Cahire'n)	1023·6	0	N	2	ov	49	65	10	2·3000	St Cu	9	-	-	3
†Anglesey (Llangefni)	1026·3	-1	N	5	c	44	75	8	1½·2000	Cu	8	-	-	6
Falmouth ...	1027·6	+1	N	5	b	47	65	7	-	Cu	2	-	-	*
†Calshot (Hants) ...	1024·5	+1	N	2	0	42	92	7	3·4000	?	?	-	-	3
†Capel (Folkestone)	1020·9	0	NW	2	b	38	65	6	-	-	-	-	-	3
Aberdeen ...	1018·1	+3	NNW	5	r1	41	87	7	-	CuNb	9	-	-	4
†East Fortune ...	1020·4	+2	N	5	bcv	42	75	7	3·4000	Nb	4	-	-	*
†Flamborough Hd	1015·7	-6	W	7	rq	43	65	8	2·3000	Nb	6	a St	1	*
†Felixstowe ...	1019·0	-2	NW	3	b	43	75	4	3·4000	St Cu	2	-	-	4
†Cranwell (Lincs)	1020·5	-2	W	2	b1	40	65	7	2·3000	St	2	a St	2	*
†Bedford ...	1021·5	-3	NW	1	b2	42	65	3	-	-	-	-	-	*
Benson	1022·7	-1	NW	3	b	41	75	6	-	-	-	-	-	*
London (Kew Ob.)	1021·9	-1	WNW	2	b	43	75	4	-	-	-	-	-	*
	7H. G.M.T. OF ....27TH....													
†Houton B. (Orkney)														
Eskdalemuir ...	1020·5	0	N	7	b1	37	75	8	-	Ci	1	-	-	*
†Stranraer ...	1024·4	+1	N	6	b	42	92	8	2·3000	St	4	-	-	*
†Lough Foyle ...														
Valencia (Cahire'n)	1031·0	-2	N	3	bc	44	76	10	2·3000	Cu	2	Ci	2	2
†Anglesey (Llangefni)	1024·0	0	NNE	5	0	43	75	8	½·2000	Cu	9	-	-	5
Falmouth ...	1025·0	-2	NNW	4	b1	45	65	5	-	St. Cu	3	-	-	*
†Calshot (Hants) ...	1018·8	-1	N	5	b0	43	92	6	-	-	-	-	-	6
†Capel (Folkestone)	1012·9	-2	N	8	3	37	75	6	-	-	-	A St	5	4
§Aberdeen ...	1020·3	+1	NNW	4	b1	42	65	7	-	Cu Nb	2	-	-	4
†East Fortune ...	1021·4	0	N	6	x	42	75	8	2·3000	St. Cu	6	-	-	*
†Flamborough Hd	1011·3	+1	N	8	q	44	82	6	2·3000	St	5	A St	2	*
†Felixstowe ...	1010·3	-4	?	5	c	40	92	3	1½·2000	St. Cu	5	A Cu	2	4
†Cranwell (Lincs)	1015·2	-2	NW	5	0	38	92	6	2·3000	St	10	-	-	*
†Bedford ...	1016·3	-2	NW	5	3	39	75	5	2·3000	St. Cu	5	-	-	*
Benson	1017·9	-2	NW	2	b1	37	75	6	-	Cu	2	-	-	*
London	1016·0	-2	NW	4	b1	40	65	5	2·3000	St. Cu	2	-	-	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of ....26TH....					**7H. G.M.T. of ....27TH....**									**24 HOURS ENDED 7H. ....27TH....**						**....25TH....**
Lerwick ...	1017·0	43	N	9	om	1021·6	+1	42	+6	N	9	-	om	6	4	44	34	rhp.	omr.	om	*
Stornoway ...	1028·2	41	N	6	cpq	1029·9	+1	38	-3	N	4	-	0	4	2	46	*	cpq	cpq	cp. 0	3·9
Castlebay (Barra Is)	1030·2	45	NW	5	0p	1030·3	0	41	-3	N	4	-	0	4	1	48	40	0p. c	cqpcp	o. c. b. o	3·8
Glasgow ...	1023·2	40	NW	2	bv	1024·8	+3	39	+2	NW	2	N	bc	*	-	46	36	bvq	b	bx	9·0
Malin Head ...	1028·0	46	NW	5	bcp	1028·0	0	45	0	NNW	5	NW	bc	4	trace	*	41	bcp	bcp	bc	5·4
Blacksod Point	1034·2	47	N	2	bc	1032·1	-2	47	+1	N	2	-	bc3	2	1	49	42	bcp	bc	bcbc3	*
Roche's Point ...	1032·0	46	NNW	2	b	1030·8	-2	40	-5	NW	3	NW	c	2	0·1	51	39	b. o.	o. bc. b	b. bc	*
Birr Castle ...	1031·2	40	N	2	bc	1029·8	*	43	+3	NW	1	N	b	*	-	49	40	c	c. bc	bx	5·0
Donaghadee ...	1027·1	45	NW	5	bcq	1025·7	+1	46	0	N	7	-	bcq	6	-	49	41	bcq	bcq	bcq	*
Liverpool (Bidston)	1023·1	47	NW	6	0	1020·5	-2	43	-1	NW	5	N	bcq	5	-	48	43	bc	oq	c. oq	7·5
Holyhead ...	1026·1	48	N	7	cpq	1023·6	0	46	-1	N	6	N	cq	5	3	51	44	cp. c	pcq	cp. cq	6·5
Pembroke (St. Ann's Head)	1028·1	48	N	3	cv	1024·7	-2	45	-2	N	4	N	bcv	3	0·2	51	44	bc	cvp	bcv	4·1
Scilly (St. Mary's)	1028·9	49	N	4	c	1028·4	-1	51	+1	N	5	N	bc	6	-	53	45	c. bc	bc. c	bc	3·8
Jersey (St. Aubin)	1024·2	49	NNW	2	c	1021·7	-1	47	-2	WNW	3	NW	c	2	1	52	46	a. b	b. ad. bc	bph. c	3·8
Portland Bill ...	1024·2	48	NW	4	b	1020·3	-2	46	+6	NW	5	NW	bq	5	-	51	40	bc. c	bc	bq	*
Dungeness ...	1020·5	40	N	3	b	1012·6	-3	39	0	N	4	-	b	3	-	52	34	c. b	bc. b	b. bx	*
Wick	1019·7	43	NNW	8	ompq	1023·8	+2	42	+2	NNW	8	-	bcmq	5	10	45	36	omr. hp.	omp. rq	omp bc	*
Nairn	1023·8	42	N	6	c	1025·4	*	40	0	N	5	-	cqg	4	4	46	38	cq. bc	qrg. c	cqpg	4·3
Leith	1020·1	44	N	7	b	1021·9	+1	42	+3	NNE	4	N	c	*	-	48	36	b. bc. b	bq. b	bq. b. uc	
Tynemouth ...	1017·4	42	NNW	4	bcmq	1015·0	-1	41	+5	N	7	-	opq	5	6	47	36	bcm	bcq/pm	bcqp	*
Spurn Head ...	1016·5	45	WNW	6	cq	1011·5	-1	41	+3	NNW	6	-	cqphr	7	7	46	37	cq	cq	cqphr	*
Yarmouth (Gorleston)	1018·1	40	NNW	3	bc	1008·8	-4	39	-4	NNW	7	-	oqrtl	7	12	49	38	omp. cq	bcpq	bcqpl	5·0
Clacton on Sea	1019·8	40	WNW	3	bc	1011·7	-3	40	-3	WNW	6	NW	bc	4	-	50	38	cq. c. bc	bc	bc. c. bc	6·0
Nottingham ...	1023·0	43	NW	3	b	1016·3	*	40	+2	NNW	4	N	c	*	-	49	38	bm	bm	b	4·4

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Langside † At Fe

SUMMARY OF CONDITIONS AT 7 A.M. Monday, 27th October, 1919

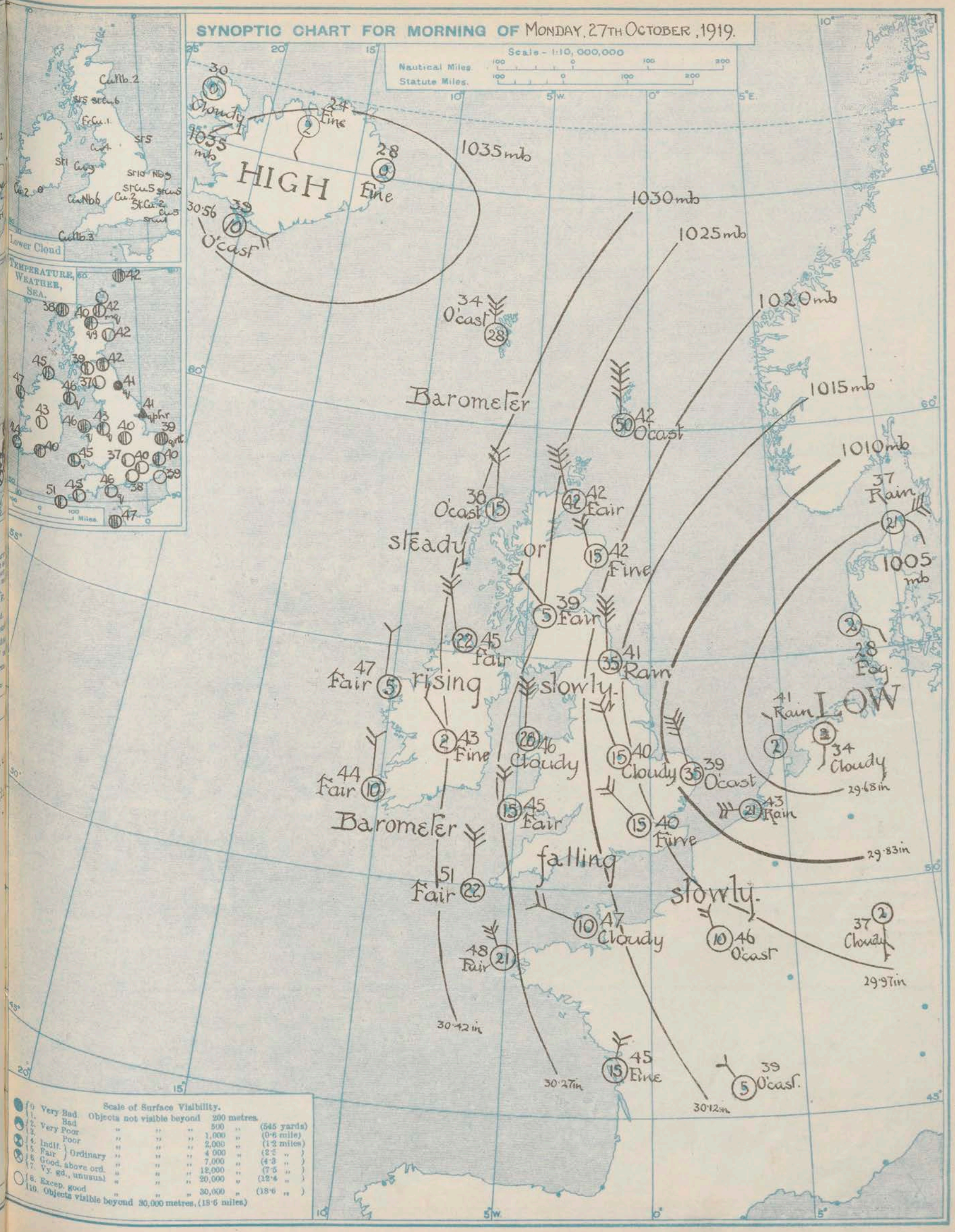
Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NWly. 20-30	R.cold	Fair to fine	Good	R.rough
2. E. England	NW-N. 15-25	"	Dull, showery, squalls	Ord.	"
3. E. Midlands	NW. 10-15	"	Fair to cloudy.	Good	–
4. W. Midlands	NW. 10-15	"	Cloudy.	–	–
5. S.W. England	NW-N. 15-20	Moderate	Fair to cloudy.	Ord.	Rough
6. South Wales	Nly. 15-20	R.cold	Cloudy, showers.	Good	Slight
7. North Wales	Nly. 20-25	"	Fair to cloudy.	"	Rough
8. N.W. England	Nly. 20-25	Moderate	Fair, squally.	"	Mod.
9. N. Midlands	NWly. 15-20	R.cold	Cloudy.	Ord.	–
10. N.E. England	Nly. 30-35	"	Cloudy, some rain, squally.	Good	R.rough
11. E. Scotland	Nly. 20-25	Moderate	Fair to cloudy, squally.	V.good	"
12. S.W. Scotland	Nly. 20-25	R.cold	Cloudy, some showers.	Good	Mod.
13. Isle of Man	Nly. 15-20	Moderate	Cloudy.	"	"
14. N.& N.W. Scotland	N. 20-30	R.cold	Fair to cloudy, squalls	"	"
15. Hebrides	N. 10-15	Cold	Dull.	–	"
16. Orkneys and Shetlands	NWly. 20-30	R.cold	Dull, squally.	Poor	Rough
17. N.W. Ireland	Nly. 5-15	"	Fair to cloudy.	–	Mod.
18. N.E. Ireland	N. 15-20	Moderate	Cloudy.	Good	"
19. S.E. Ireland	NW. 5-10	R.cold	Fair	Ord.	"
20. S.W. Ireland	N. 10-18	"	Fair to cloudy.	V.good	Smooth

EXPLANATION.
BAROMETER.—Isobars are drawn at 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. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

An extensive depression centred over the southern North Sea is moving south or south-west. Strong winds or gales from between NW. and N. are expected to continue over the greater part of the British Isles.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Monday, 27th October, 1919	Further Outlook.
1. S.E. England 2. E. England	Wind high from between NW. and NE., gale in exposed places. Cloudy with fair intervals and showers of rain or hail. Thunderstorms locally. Cold.	Generally unsettled weather will probably continue throughout the country.
3. E. Midlands 4. W. Midlands	Wind between NW. and NE. strong to high. Cloudy with fair intervals and showers of rain or hail, thunderstorms locally. Cold.	
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Same as for Districts 1-2	
9. N. Midlands	Same as for Districts 3-4	
10. N.E. England	Same as for Districts 1 2	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Gales from between NW. and NE. moderating and backing by tomorrow. Cloudy, fair intervals, some showers of rain or hail. Cold	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh or strong Nly. winds. Fair or cloudy, local showers, squally. Cold.	


SYNOPTIC CHART FOR MORNING OF MONDAY, 27TH OCTOBER, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
HIGH
LOW
1035mb
1030mb
1025mb
1020mb
1015mb
1010mb
1005 mb
29·68in
29·83in
29·97in
30·12in
30·27in
30·42in
Barometer steady or rising slowly
Barometer falling slowly
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
9 Very Bad
1 Bad
2 Very Poor
3 Poor
4 Indif.
5 Fair
6 Good, above ord.
7 Vy. gd., unusual
8 Excep. good
10 Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 300B (MONDAY 27TH October 1919)

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 26TH

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h 25th	Rainfall. Day. 9h-18h 26th	Sunshine.	Sunshine. Sunrise to Sunset 26th
Scotland.	Oban								
	Banff	or.	or	46	39	1	4	*	0·0
	Montrose								
	St. Andrews ...								
England, N.E.	Harrogate	b	b	45	33	-	-	*	8·8
	Skegness								
England, E.	Felixstowe	bcm	bc	50	40	2	-	*	6·4
	Walton-on-Naze...								
	Southend-on-Sea...	o.c.bc.b	b	50	39	-	-	*	6·1
England, S.E.	Margate								
	Ramsgate	*	*	53	42	2	-	*	4·1
	Folkestone	ro.c.bc	bc.c.bc	51	45	1	-	*	4·6
	Hastings								
	Eastbourne	bc.bc.b	b.	51	39	-	-	*	5·9
	Brighton	b.bc	bc.b	51	39	-	-	*	7·5
	Worthing	b.	b	58	38	-	-	*	7·8
	Littlehampton ...	*	*	52	41	-	-	*	8·2
	Bournemouth ...	*	*	51	35	-	-	*	8·6
	Tunbridge Wells	b.bc	c.bc	49	38	-	-	*	3·4

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h 25th	Rainfall. Day. 9h-18h 26th	Sunshine.	Sunshine. Sunrise to Sunset 26th
England, N.W.	Douglas (I.O.M.)								
	Blackpool								
	Southport	b.bc.	bcc.bc	47	32	-	-	*	8·3
Midlands.	Buxton								
	Leamington Spa...	bc	bc	48	32	-	-	*	6·2
	Ross-on-Wye ...	bcy	bcy	51	32	-	-	*	6·2
Wales.	Rhyl	q	q	49	33	-	-	*	5·6
	Colwyn Bay ...	*	*	49	39	-	-	*	0·0
	Llandudno	b.	c.b	50	40	0·4	-	*	5·0
	Aberystwyth ...								
England, S.W.	Weymouth								
	Teignmouth ...								
	Torquay	bc	bc.c.b	52	36	-	0·1	*	3·7
	Paignton	o.bc.c	bc.b	53	35	-	-	*	3·5
	Penzance	o.c.	c.	53	44	0·3	-	*	3·3
	Newquay	cp	cp	52	39	-	1	*	0·8
	Bude								
	Ilfracombe								
	Weston-s-Mare ...								

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 26th	Weather 13h-18h 26th	Weather 18h 26th-1h 27th	Weather 1h-7h 27th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...							*	*	*	*
Eskdalemuir	b	bq/	bq/	b	44	33	34	-	-	8·7
†Stranraer	vq/	bc.cq/	b bcq/	b.bcv	48	42	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen) ...	cp.bc	bc.c.ov	bcpbw		52	36	32	-	-	3·3
†Anglesey (Llangefni) ...	bc cq/	bc.cq/	q/c.	c.oq	49	42	*	*	*	*
Falmouth	bc.cq/p	c.o.cpq/	cp.bc	bc	53	36	38	trace	-	2·2
†Calshot (Hants)	b.o	c.o	b o	b.o	50	37	*	*	*	*
†Capel (Folkestone)... ...	c.ow.	b.bcv	bv	b.bcv	49	36	*	*	*	*
Aberdeen	cp.orq/	rhtlq/	chpqb		44	38	37	5	8	2·8
†East Fortune	vq/	vq/	q/	vq	47	37	*	*	*	*
†Flamborough Head ...	b.bcv	b. bcv		prhq	48	39	*	*	*	*
†Felixstowe	bc.cv	q/p2	b.bcq/	p.q	51	39	*	*	*	*
†Cranwell (Lincs) ...	b.bc.c	b.b.bc	b.bc.b	b.bc.co	49	35	*	*	*	*
†Bedford	2.bc.c	b2	b2.	b.bcq.q	49	36	*	*	*	*
Benson	bc	bc	bx		48	30	20	-	-	*
London (Kew Obsy.) ...	bc.o.bc	bcy.b	b		49	38	27	-	-	5·3

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora — Solar halo
Rime — Lunar halo
Glazed frost — Solar corona
Glazed roads — Lunar corona

LONDON. OBSERVATIONS.	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 HOURS ENDED 9h G.M.T. .. 27th							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	cb	b	b	50	39	29	-	4·0	56	64
City (Bunhill Row)	*	*	*	*	*	*	*	-	*	*
Westminster (St. James's Park)	*	*	*	50	37	27	-	-	58	61
" (Admiralty Arch	cm.bcm	bcm.b	bq.bcmq	50	39	*	-	4·8	66	71
Camden Sq. (British Rainfall)			*	51	39	34	-	4·2	-	63
Kensington Palace	c.o. bc	b.bc.b	*	50	37	32	-	*	70(18h)	66

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday

Total ..... 504 ..... Joules.

Milliwatts.
Average Rate. 140
Maximum Rate. 34

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

27th & 28th October 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	6.41	11.37	4.33
	6.43	11.37	4.31
Greenwich	6.46	11.44	4.42
	6.48	11.44	4.40
Wick ...	7.17	11.56	4.35
	7.20	11.56	4.32
Valencia ...	7.28	12.25	5.22
	7.30	12.25	5.20

NOTES ON THE WEATHER OF YESTERDAY.

Strong Northerly winds or gales with rain or hail showers were experienced in Scotland and on the east coast of England. In the southern and western districts of England, and in Ireland, winds were less strong. With the exception of the south-western counties most parts of England had some good sunshine records, Harrogate 8.8 hours, Bournemouth 8.6 hours, Southport 8.3 hours. The thermometer did not reach 50°F. at several stations especially in our northern and eastern districts. During the afternoon a thunderstorm with hail occurred at Aberdeen.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 21,159. B ..TUESDAY, 28TH OCTOBER.....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H. G.M.T. ...27TH.....													
†Houton B. (Orkney)														
Eskdalemuir ...	1021·3	-1	N	6	bcq	43	55	7	-	Fr.Cu	6	-	-	*
†Stranraer ...	1024·5	+1	NNE	6	bcq	46	82	8	2-3000	St	4	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1030·3	-2	N	4	bv	49	65	10	3-4000	Cu	3	-	-	3
†Anglesey (Llangefni)	1023·1	-1	NE	6	c	47	65	8	2-3000	St.Cu	7	-	-	5
Falmouth ...	1023·3	-2	N	5	c	48	75	6	-	Cu.Nb	7	-	-	*
†Calshot (Hants) ...	1016·9	-2	N	7	b	48	75	6	4-5000	Cu	1	-	-	6
†Capel (Folkestone)	1010·7	-2	NNW	9	ctq	43	75	6	3-4000	Nb	7	-	-	?
Aberdeen ...	1022·5	0	N	5	bctq	43	75	7	-	Cu.Nb	6	-	-	4
†East Fortune ...	1022·6	-1	NNE	4	c	44	75	7	2-3000	St.Cu	7	-	-	*
†Flamboro' Head ..	1012·9	0	NNE	8	rtq	45	82	7	1½-2000	Nb	6	-	-	*
†Felixstowe ...	1011·8	0	N	5	bcq	43	92	4	3-4000	St.Cu	6	-	-	5
†Cranwell (Lincs)	1015·8	0	NW	6	ot	51	92	6	1-1500	Nb	8	A.St	1	*
†Bedford ...	1015·2	0	N	7	om	45	75	4	2-3000	St	10	-	-	*
Benson	1016·2	-2	NW	4	o	44	65	5	-	-	-	-	-	*
London (Kew Ob.)	1014·6	0	NNW	4	om	44	75	5	2-3000	St.Cu	10	-	-	*
	1H. G.M.T. OF 28TH.....													
†Houton B. (Orkney)														
Eskdalemuir ...	1021·1	-1	N	8	bc	34	75	7	-	F.Cu	1	-	-	*
†Stranraer ...	1023·2	-1	-	0	b	36	98	-	2-3000	St	3	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1028·3	-2	-	0	o	42	*	*	*	*	*	*	*	0
†Anglesey (Llangefni)														
Falmouth ...	1022·4	-2	N	3	o	42	92	6	-	Cu.Nb	10	-	-	*
†Calshot (Hants) ...	1017·8	+1	N	3	b	41	87	5	-	-	-	-	-	4
†Capel (Folkestone)	1013·3	0	N	6	o	38	98	5	1½-2000	St.Cu	10	-	-	5
§Aberdeen ...	1020·9	0	N	4	bcq	37	-	5	1½-2000	Cu.Nb	6	-	-	*
†East Fortune ...	1021·5	-2	N	4	b	38	75	-	2-3000	St	2	-	-	*
†Flamborough Hd.	1014·1	0	NE	7	rtq	42	75	7	1½-2000	Nb	3	-	-	*
†Felixstowe ...	1013·1	-0	N	4	rtq	40	98	4	2-3000	Cu.Nb	2	-	-	5
†Cranwell (Lincs)	1016·6	-1	NW	4	b	36	98	5	1½-2000	St	2	A.St	2	*
†Bedford ...	1016·3	0	N	4	bcq	39	82	4	2-3000	Nb	3	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1015·4	0	NNW	4	o	42	*	*	*	*	*	*	*	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
	18H. G.M.T. OF ...27TH.....													
†Houton B. (Orkney)														
Eskdalemuir ...	1022·1	0	N	5	bc	37	75	7	-	Cu	4	Ci	2	*
†Stranraer ...	1024·5	-1	N	2	bc	41	82	2	2-3000	St	3	a.St	2	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1029·4	-1	N	2	o	46	82	10	2-3000	St	9	-	-	3
†Anglesey (Llangefni)	1023·2	0	NNE	3	o	43	65	8	1½-2000	St.Cu	9	-	-	4
Falmouth ...	1023·2	0	NNW	5	bcq/p	44	82	6	-	Cu.Nb	4	-	-	*
†Calshot (Hants) ...	1015·4	0	N	7	b	44	82	6	-	-	-	-	-	6
†Capel (Folkestone)	1011·1	-1	N	9	b	40	92	5	1-1500	Cu.Nb	3	-	-	5
Aberdeen ...	1021·6	+1	NNW	4	bc	40	75	7	-	Cu.Nb	4	-	-	4
†East Fortune ...	1022·8	0	NNE	4	c	41	75	-	2-3000	St.Cu	8	-	-	*
†Flamboro' Head ..	1014·2	+1	N	4	c	44	75	6	1½-2000	Nb	6	-	-	*
†Felixstowe ...	1013·5	0	N	4	bcq	43	82	-	3-4000	St.Cu	3	-	-	5
†Cranwell (Lincs)	1017·0	+2	NW	6	o	39	92	6	1½-2000	St	10	-	-	*
†Bedford ...	1016·4	+1	N	6	r	42	82	5	-	St	10	-	-	*
Benson	1017·2	0	NNW	4	o	43	65	6	-	St	10	-	-	*
London	1016·3	+2	NW	4	o	44	75	5	2-3000	St.Cu	8	a.Cu	2	*
	7H. G.M.T. OF ...28TH.....													
†Houton B. (Orkney)														
Eskdalemuir ...	1019·0	-2	N	6	b	33	75	8	-	F.Cu	1	-	-	*
†Stranraer ...	1021·5	-1	N	2	v	34	87	8	2-3000	St	3	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1025·2	-2	NE	1	c	39	87	10	-	St	6	A.Cu	2	2
†Anglesey (Llangefni)	1020·4	-1	N	2	bc	36	82	8	2-3000	Cu.Nb	5	-	-	3
Falmouth ...	1020·2	-2	NNW	2	c	41	87	5	1-1500	Cu.Nb	8	-	-	*
†Calshot (Hants) ...	1016·8	0	N	4	b	39	92	3	-	-	-	-	-	5
†Capel (Folkestone)	1012·1	-1	NNW	7	o	36	92	7	1½-2000	St	10	-	-	6
§Aberdeen ...	1018·5	+2	NNW	4	bc	35	98	7	-	Cu.Nb	4	-	-	4
†East Fortune ...	1019·6	-2	N	4	c	37	82	6	2-3000	St.Cu	8	-	-	*
†Flamborough Hd.	1012·6	-1	N	8	rtq	38	82	7	2-3000	Nb	6	-	-	*
†Felixstowe ...	1012·5	0	N	5	rtq	38	98	4	1½-2000	Nb	8	A.St	1	4
†Cranwell (Lincs)	1015·2	-1	NW	5	o	36	92	6	2-3000	St	6	A.St	3	*
†Bedford ...	1015·2	0	NW	4	b	34	82	3	2-3000	St	3	-	-	*
Benson	1016·0	-1	NW	2	bc	33	92	6	-	St	4	-	-	*
London	1015·5	0	NNW	2	bc	37	75	5	2-3000	St.Cu	4	-	-	*

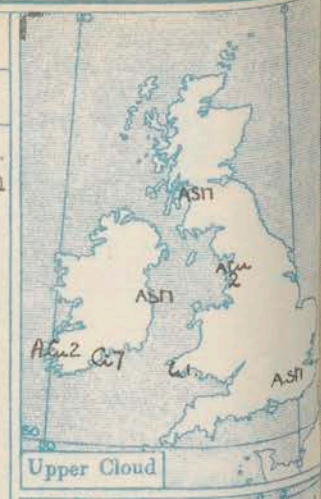
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer at M.S.L. m.b.	Barometer ‡ Change in 3 hours.	Temperature Temp. °F.	Temperature Change in 24 hours.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather Morning.	Weather Afternoon.	Weather Night.	Sunshine Hours.
	18H. G.M.T. of ...27TH.....					**7H. G.M.T. of ...28TH.....**									**24 HOURS ENDED 7H. ...28TH.....**						**...27TH.....**
Lerwick ...	1022·9	40	NNE	8	omh	1019·9	+1	39	-3	NNE	8	-	o	4	7	44	36	rhp.	omp	rhp	*
Stornoway ...	1028·9	36	NNE	4	o	1025·2	-1	36	-2	N	4	-	bc	3	1	43	34	c.o	o	o.bc	1·6
Castlebay (Barra Is)	1029·1	40	N	4	bc	1025·9	-1	39	?	N	4	N	b	4	-	44	38	o.bc	bcq.bc	bc.o.b	3·0
Glasgow ...	1024·6	39	NNE	3	c	1021·6	-1	35	-4	NNE	3	N	Nb	*	-	45	32	bc.c	c.bc.c.	c.bc.bx	6·8
Malin Head ...	1026·7	44	NW	4	c	1023·4	-1	39	-6	NNW	4	N	omp	3	1	?	38	o	c	omp	3·3
Blacksod Point	1029·4	45	NW	2	bc	1025·0	-3	44	-3	NE	2	-	bcq	2	0·3	49	41	bc	bc	bc.bcq	*
Roche's Point...	1028·1	46	NW	2	bc	1024·7	-2	40	0	NW	3	NW	c	2	-	50	38	bc	bc	b.bc.c	*
Birr Castle ...	1028·1	37	NW	1	bc	1024·0	*	35	-8	NW	2	-	c	*	-	47	31	c	bc	bc.c	6·7
Donaghadee ...	1025·0	44	N	5	bc.o	1021·6	-3	43	-3	N	4	-	bc	4	-	48	41	bcq/	bcq/	bcq	*
Liverpool (Bidston)	1021·4	45	NNW	4	o	1018·8	-2	37	-6	N	2	N	c	2	-	47	37	b.	o	bc.c	5·7
Holyhead ...	1023·2	46	N	6	cq/	1019·8	-2	42	-4	NE	5	N	bc	4	-	49	41	cq/	cq/	c.bc.b	6·1
Pembroke (St. Ann's Head)	1023·7	43	N	4	bcq/p	1020·7	-1	40	-5	NNW	2	-	or	3	5	50	40	bcrp.	bcq/p	bcq.or	3·7
Scilly (St. Mary's)	1024·5	46	N	5	bc	1021·8	-2	45	-6	NNW	5	NW	c	5	-	52	45	bc	bc	bc.c	7·4
Jersey (St. Aubin)	1019·3	49	NNW	3	c	1017·6	0	45	-2	N	3	N	bc	3	2	52	44	c.b.bc	bc.o.pc.	c.b.bc	5·7
Portland Bill ...	1018·2	46	NNW	5	bq/	1017·5	0	39	-7	N	4	-	b	4	-	50	38	bq/	b.bcq/	b	*
Dungeness ...	1012·6	43	NNW	4	b	1012·6	-1	37	-2	N	3	N	bc	3	-	47	37	bcq/	cq/.c	c.bc	*
Wick	1023·8	39	NNW	8	ompq/	1019·3	-2	40	-2	NNW	6	-	bcq/	5	6	45	36	bcompq/	om.cq/p	omqp.c	*
Nairn	1025·7	38	N	4	r.	1021·5	*	36	-4	N	4	-	cu	3	1	44	34	cq/.bc	bc.cpq/.	qpq	3·1
Leith	1022·3	43	NW	3	c	1019·7	0	38	-4	NW	2	-	c	2	-	45	38	cq/.o	cu.dp.o	cu q.bc	*
Tynemouth ...	1017·3	41	N	6	omq/	1016·3	-1	36	-5	NW	4	-	ompq	4	?	46	34	omrq/	omrq/.	ompq.omrq	*
Spurn Head ...	1014·1	45	N	6	cq/phr	1012·0	-1	39	-2	NW	6	-	cq/rh	6	10	46	36	cq/phr	cq/p	cq/phr	*
Yarmouth (Gorleston)	1011·5	45	N	6	c	1010·5	-2	39	0	NE	4	-	cq/ph	4	9	47	37	cq/ph	cq/p.	bcq/p.l	3·4
Clacton-on-Sea	1012·9	40	NW	4	bc	1012·0	-1	38	-2	NW	4	N	c	3	3	44	37	bc.cq/p	cq/p.bc	bc.b.bc	3·7
Nottingham ...	1017·6	42	NNW	5	b	1015·7	*	37	-3	NNW	3	N	b	*	0·4	46	36	op.c	c.op	c.op	1·0

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Tuesday, 28th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NWly. 20-30	Cold	Fair to dull.	Good	R.rough
2. E. England	NW-NE. 15-20	"	Cloudy, some hail showers squalls.	Fair	Mod.
3. E. Midlands	NW. 10-15	R.cold	Fair to cloudy.	Good	-
4. W. Midlands	N-NW. 10-15	"	Cloudy.	-	-
5. S.W. England	NW. 5-15	"	Cloudy.	V.good	Mod.
6. South Wales	NW. 0-5	Cold	Cloudy, some showers	Good	Slight
7. North Wales	N-NE.10-15	R.cold	Fair to cloudy.	V.good	Mod.
8. N.W. England	Nly. 10-15	"	Fair	"	"
9. N. Midlands	Nly. 5-10	"	Fair to cloudy.	Good	-
10. N.E. England	NW-N.20-30	Cold	Dull, hail showers, squally.	Ord.	R.rough
11. E. Scotland	Nly. 10-15	R.cold	Fair to cloudy.	Good	Mod.
12. S.W. Scotland	NW-N.10-20	"	Fair to cloudy.	V.good	"
13. Isle of Man	Nly.10-15	"	Faur to cloudy.	Good	"
14. N.&N.W.Scotland	Nly.10-15	"	Fair	"	"
15. Hebrides	Nly.10-15	Cold	Fair	-	"
16. Orkneys and Shetlands	NW-NE.30-50	R.cold	Cloudy to dull, squalls	-	R.rough
17. N.W. Ireland	NW-NE.5-15	"	Cloudy, some showers.	Good	Slight
18. N.E. Ireland	Nly. 10-15	"	Fair	"	Mod.
19. S.E. Ireland	NW-N.10-15	"	Fair to cloudy.	Good	"
20 S.W. Ireland	N-NE.5-10	Cold	Cloudy.	V.good	Slight



Upper Cloud

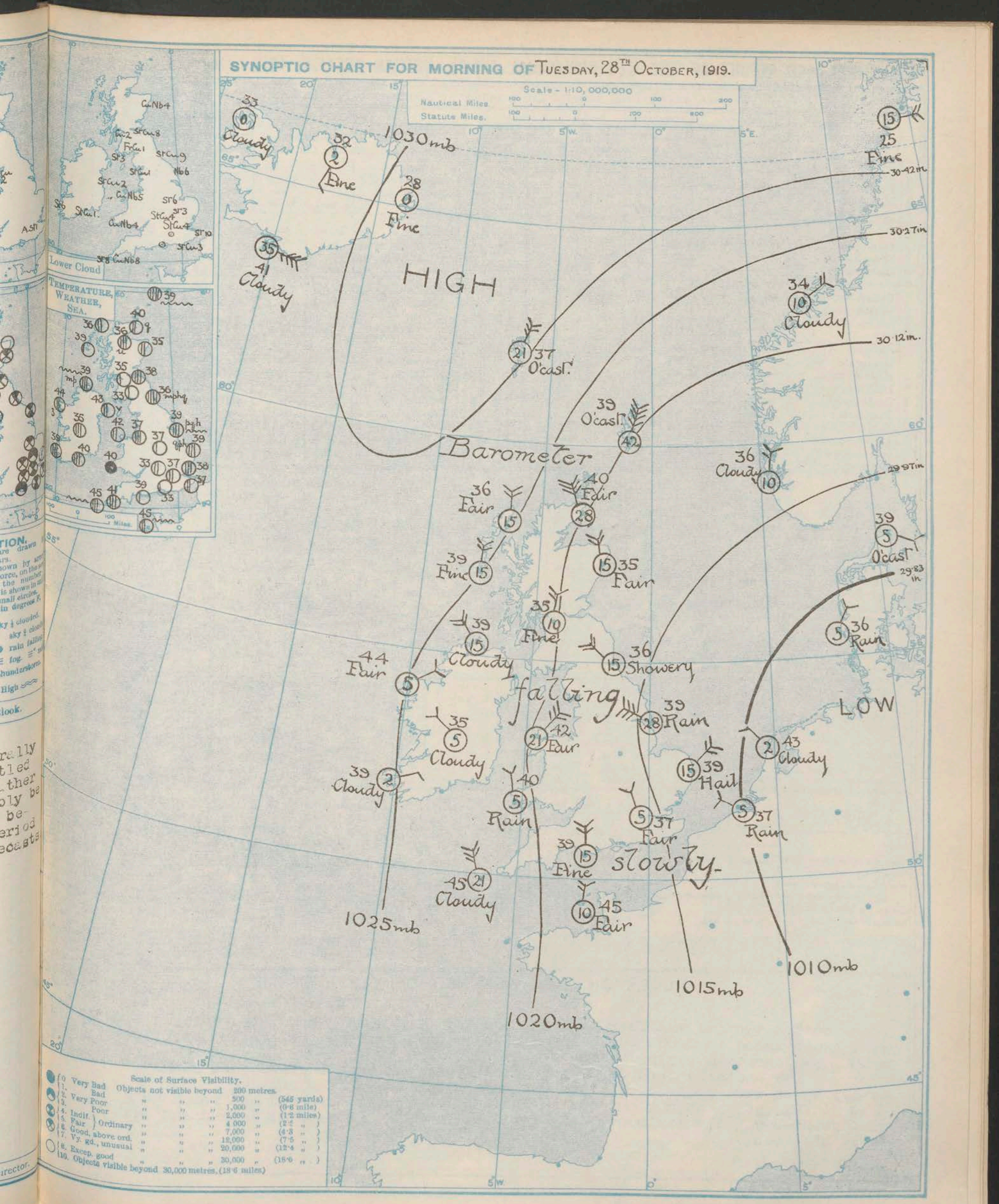
Visibility

EXPLANATION.
BAROMETER.—Isobars are drawn intervals of five millibars.
WIND.—Direction is shown by arr flying with the wind. Force, on the s 0-12, is indicated by the number feathers. Mean velocity is shown in m per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. T thunder. R thunderstorm.
SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

A depression centred over Holland is almost stationary. Squally Northerly winds with cold weather and rain or hail showers will probably be maintained over the greater part of the country.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 28th October, 1919	Further Outlook.
1. S.E. England 2. E. England	Moderate or fresh Nly. winds. Cloudy with fairer intervals. Heavy local showers of rain or hail, especially on east coast. Squally. Cold.	The generally cold unsettled type of weather will probably be maintained beyond the period of the forecasts
3 E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Moderate or fresh Nly. winds. Cloudy with fairer intervals. Local showers of rain or hail. Squally. Cold.	
10. N.E. England 11. E. Scotland	Fresh Nly. winds, strong locally. Cloudy with fairer intervals. Heavy showers of rain, hail or sleet. Squally. Cold.	
12. S.W. Scotland 13. Isle of Man	Same as for Nos. 3-9	
14. N.&N.W.Scotland 15. Hebrides 16. Orkneys and Shetlands	Same as for Nos. 10-11	
17. N.W. Ireland 18. N E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate Nly. breezes. Fair or cloudy, occasional showers locally. Cold.	


SYNOPTIC CHART FOR MORNING OF TUESDAY, 28TH OCTOBER, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Miles.
1030mb
HIGH
Barometer
falling
slowly
LOW
1025mb
1020mb
1015mb
1010mb
30·42in
30·27in
30·12in.
29·97in
29·83 in
Scale of Surface Visibility.
0 Very Bad Objects not visible beyond 200 metres.
1. Bad
2. Very Poor " " " 500 " (545 yards)
3. Poor " " " 1,000 " (0·6 mile)
4. Indif. } Ordinary " " " 2,000 " (1·2 miles)
5. Fair } " " " 4,000 " (2·4 ")
6. Good, above ord. " " " 7,000 " (4·3 ")
7. Vy. gd., unusual " " " 12,000 " (7·5 ")
8. Excep. good " " " 20,000 " (12·4 ")
9. Excep. good " " " 30,000 " (18·6 ")
10. Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No 301. B

Tuesday 28th October

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 27th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 26th	Rainfall. Day. 9h-18h. 27th	Sunshine.	Sunshine. Sunrise to Sunset. 27th
Scotland.	Oban	b.	bc	48	39	-	-		4·6
	Banff	q c h p.	c h p	45	39	4	2		0·0
	Montrose	bcr.	bcr. o.	44	37	4	2		6·8
	St. Andrews	c	c	45	38	-	-		3·1
England, N.E.	Harrogate	op. bc	b. bcp.	44	37	2	2		3·9
	Skegness			52	50				
	Scarborough	*	*	?	?	3	-		2·0
England, E.	Felixstowe	bcq. p.	bcq	50	37	0·4	4		2·3
	Walton-on-Naze								
	Southend-on-Sea	bcqp.	cpq	47	39	-	0·2		4·3
England, S.E.	Margate	o. cp.	c. bc	46	40	-	-		0·6
	Ramsgate	*	*	49	39	-	0·4		1·1
	Folkestone	bcp. bc	cd. tc. b	46	39	-	1		4·6
	Hastings								
	Eastbourne	bc	bc. o	50	38	-	-		8·4
	Brighton	b. bc	bc	48	39	-	-		8·5
	Worthing	b	b	47	38	-	-		8·7
	Littlehampton	*	*	52	44	-	-		8·0
	Bournemouth	*	*	48	38	-	-		9·3
	Tunbridge Wells	c. o	o	44	36	-	-		1·0

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 26th	Rainfall. Day. 9h-18h. 27th	Sunshine.	Sunshine. Sunrise to Sunset. 27th
England, N.W.	Douglas (I.O.M.)								
	Blackpool	c.	bc	48	41	-	-		8·3
	Southport	b. bc. c	c. bc	46	40	-	-		3·7
Midlands.	Buxton	bc. c	bc. c	42	35	-	-		0·0
	Leamington Spa	bc	bc	46	38	-	-		6·5
	Ross-on-Wye	bcv.	bcy. b	49	38	-	-		7·4
Wales.	Rhyl	bc	bc	46	44	-	-		1·5
	Colwyn Bay	*	*	46	45	-	-		0·8
	Llandudno	o	c	49	40	-	-		0·7
	Aberystwyth	c. b. b	bc. o	48	46	*	*		7·5
England, S.W.	Weymouth	b	b	52	40	-	-		8·6
	Teignmouth	b	b	51	41	-	-		8·5
	Torquay	b	b	51	39	-	-		8·4
	Paignton	bc. b	b	52	39	-	-		7·4
	Penzance	bc	bc. c	52	45	-	-		8·0
	Newquay	bcpq	bcpq	49	44	-	2		4·6
	Bude	q p. bc	b.	50	45	1	0·2		6·7
	Ilfracombe	o. c. bc	bc	50	46	0·3	-		6·0
	Weston-s-Mare	b. bc	b. bc	49	44	-	-		5·1

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 27th	Weather 13h-18h 27th	Weather 18h 27th-1h 28th	Weather 1h-7h 28th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)							*	*	*	*
Eskdalemuir	b. bc	bc	bc. b	b	44	32	28	-	-	7·4
†Stranraer	b. bcv.	qv	bc. c. bc. c	b. bcx			*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen)	bcp. bv	bvy. po	c. cp. c		51	39	36	-	-	4·4
†Anglesey (Llangefni)	xc. o	e. oq		bc. c	47	35	*	*	*	*
Falmouth	bcpyq.	c. oq py.	bc. cp	o. c	51	40	36	2	3	6·2
†Calshot (Hants)	bc. c	b. o	b.	b.	50	32	*	*	*	*
†Capel (Folkestone)	bc cp1	p1 c.	c. oq.	o	43	35	*	*	*	*
Aberdeen	bcrhpq	bcqp.	bcrhp		46	35	31	1	4	5·1
†East Fortune	bc. cq	c. oq	b. bcq.	bc. cq	45	36	*	*	*	*
†Flamborough Head	c. op2	prhq	p2 q	qprh1	48	36	*	*	*	*
†Felixstowe	qc.	prh2 r1	pd0 q.	qp1	46	37	*	*	*	*
†Cranwell (Lincs)	p1 p2	p1 p2	b. bcr1	bc. c. o	42	34	*	*	*	*
†Bedford	omq	omq	qr1	3 2 q	45	33	*	*	*	*
Benson	c.	o. c	ox. bc		44	33	23	-	-	*
London (Kew Obsy.)	b. o	o	o. c. bc		45	32	31	-	-	2·4

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

SYMBOLS—
Aurora — Solar halo
Rime — Lunar halo
Glazed frost — Solar corona
Glazed roads — Lunar corona

LONDON. OBSERVATIONS.	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 HOURS ENDED 9H G.M.T. 28th							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	b. oa	o. odc	c	45	37	30	-	1·7	71	75
City (Bunhill Row)	*	*	*	*	*	*	*	2·2	*	*
Westminster (St. James's Park)	*	*	*	46	37	30	-	2·1	68	80
,, (Admiralty Arch	bcfq	cqdmomq	of. bcq	46	38	*	-	2·5	79	69
Camden Sq. (British Rainfall)			*	46	30	32	-	2·1	72	78
Kensington Palace	b. bc	bc. o.	*	45	36	34	-	*	70 (8h)	75

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 287 Joules.

Milliwatts.

Average Rate. 8·0

Maximum Rate. 30

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

28th & 29th October 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.43	11.37	4.31
	6.44	11.37	4.30
Greenwich	6.48	11.44	4.40
	6.49	11.44	4.39
Wick	7.20	11.56	4.32
	7.22	11.56	4.30
Valencia	7.30	12.25	5.20
	7.31	12.25	5.19

NOTES ON THE WEATHER OF YESTERDAY.

The weather was fair to dull, squally with good visibility. Slight showers were experienced in South England and rain or hail fell in the eastern districts with a thunderstorm early at Yarmouth.

The sunshine records were good in south and west England. As much as 9.3 hours were recorded at Bournemouth and 8.7 hours at Worthing.

Except in SW. England and in Ireland the temperature did not reach 50°F. during the day. The minimum at night was below 35°F. at several inland and east coast stations.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21, 1.60 B WEDNESDAY, 29TH OCTOBER ... 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. 28TH													
†Houton B. (Orkney)														
Eskdalemuir ...	1017·2	-2	N	5	c	40	65	8	-	St.Cu	8	-	-	*
†Stranraer ...	1019·7	-1	NNE	5	b,	44	82	8	2-3000	St	3	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1024·1	-1	NNE	2	c	46	75	10	2-3000	Cu	6	Ci.Cu	2	2
†Anglesey (Llangefni)	1018·8	-2	N	5	c	43	65	8	2-3000	Cu.Nb	8	-	-	5
Falmouth ...	1018·7	-2	N	1	or	44	82	5	-	Cu.Nb	9	-	-	*
†Calshot (Hants) ...	1014·8	-1	NNE	3	o	46	75	4	3-4000	Cu	6	-	-	4
†Capel (Folkestone)	1011·0	-1	NNW	7	q	40	82	5	1-1500	Cu	4	A.Cu	4	4
Aberdeen ...	1017·9	0	NE	5	c	43	75	8	-	Cu.Nb	6	Ci	1	4
†East Fortune ...	1017·9	-1	NNE	4	q,	42	75	7	2-3000	St.Cu	7	-	-	*
†Flamborough Head	1011·9	-1	N	7	rhoq	41	87	6	1-1500	Nb	8	A.St	1	*
†Felixstowe ...	1011·0	-4	NW	6	o	42	87	4	1-1500	St	6	A.St	3	5
†Cranwell (Lincs)	1013·9	-1	NW	5	bc	41	75	7	1½-2000	St.Cu	5	A.St	1	*
†Bedford ...	1013·3	-1	N	5	c	43	65	6	2-3000	St	8	-	-	*
Benson	1013·8	-2	NNW	4	c	42	75	5	-	-	-	-	-	*
London (Kew Ob.)	1013·3	-2	NNW	3	bc	43	65	6	3-4000	Cu	5	-	-	*
	1H. G.M.T. OF 29TH													
†Houton B. (Orkney)														
Eskdalemuir ...	1020·2	+2	N	4	b	35	87	7	-	7Cu	3	-	-	*
†Stranraer ...	1021·2	+1	N	2	b	36	92	-	2-3000	St	2	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1023·5	0	NNE	2	c	39	*	*	*	*	*	*	*	
†Anglesey (Llangefni)														
Falmouth ...	1018·3	0	N	1	b	35	87	7	-	Cu.Nb	3	-	-	*
†Calshot (Hants) ...	1015·0	0	N	2	b	35	82	6	-	-	-	-	-	4
†Capel (Folkestone)	1009·6	-3	N	7	o	37	92	7	1-1500	St	7	-	-	5
§Aberdeen ...	1020·4	+2	N	2	o	34	98	4	2-3000	St.Cu	10	-	-	*
†East Fortune ...	1021·0	+2	NE	3	c	40	87	-	2-3000	St.Cu	7	-	-	*
†Flamborough Head	1012·4	0	NE	7	rhoq	38	98	7	1½-2000	Cu.Nb	6	A.Cu	3	*
†Felixstowe ...	1010·7	-1	WNW	3	b	37	98	2	1½-2000	St.Cu	2	-	-	4
†Cranwell (Lincs)	1013·7	0	NW	3	c	35	98	4	2-3000	St	4	A.St	3	*
†Bedford ...	1012·7	-1	N	3	bc	36	92	4	1½-2000	St	3	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1H.)	1012·1	0	NW	2	bc	38	*	*	*	*	*	*	*	*
	18H. G.M.T. OF 28TH													
Houton B. (Orkney)														
Eskdalemuir ...	1019·0	+1	NNE	3	bc	38	87	7	-	Cu.Nb	5	-	-	*
†Stranraer ...	1019·6	0	N	2	b	41	87	5	2-3000	StCu	3	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1023·5	0	NE	1	cv	41	75	10	3½-4000	StCu	2	7Ci	6	2
†Anglesey (Llangefni)	1018·5	0	N	4	rhoq	43	65	8	1-1500	Nb	9	-	-	5
Falmouth ...	1018·0	0	N	2	c	39	87	6	-	Cu.Nb	7	-	-	*
†Calshot (Hants) ...	1014·8	0	NNE	3	b	42	82	5	-	-	-	-	-	4
†Capel (Folkestone)	1010·8	0	N	7	c	39	75	7	1-1500	StCu	10	-	-	4
Aberdeen ...	1021·0	+4	N	3	n	36	98	7	-	Cu.Nb	7	-	-	4
†East Fortune ...	1019·2	+3	NE	2	r2	41	92	-	1-1500	Nb	10	-	-	*
†Flamborough Head	1012·3	-2	N	5	s2q	42	75	6	1-1500	Nb	10	-	-	*
†Felixstowe ...	1010·0	-1	W	4	r1	39	98	-	1-1500	Nb	10	-	-	5
†Cranwell (Lincs)	1013·7	0	NW	4	c	37	92	6	1½-2000	St	5	a.St	3	*
†Bedford ...	1013·4	0	NNW	2	om	39	75	3	1-1500	St	10	-	-	*
Benson	1014·3	0	NNW	2	c	36	75	6	-	StCu	5	-	-	*
London ...	1013·4	0	NW	2	bc	39	75	5	2-3000	StCu	1	Ci.Cu	1	*
	7H. G.M.T. OF 29TH													
Houton B. (Orkney)														
Eskdalemuir ...	1019·9	+1	N	6	bc	36	82	6	1½-2000	Cu.Nb	5	-	-	*
†Stranraer ...	1020·5	-1	NNE	3	bc	32	92	5	2-3000	St	3	A.St	1	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1023·8	0	NE	1	b,x	35	82	10	-	Cu	1	-	-	2
†Anglesey (Llangefni)	1018·8	0	NNE	5	c	41	75	8	1½-2000	Cu	7	-	-	5
Falmouth ...	1016·9	-1	NNE	2	b,	38	98	6	-	Cu.Nb	2	-	-	*
†Calshot (Hants) ...	1011·8	-1	NNW	3	o	37	92	4	<500	St	10	-	-	4
†Capel (Folkestone)	1008·1	-3	N	6	o	36	98	4	1-1500	StCu	10	-	-	4
§Aberdeen ...	1023·4	+2	ENE	5	bc	42	75	8	-	Cu.Nb	4	-	-	4
†East Fortune ...	1021·2	0	NE	5	r2	42	87	6	1-1500	Nb	9	-	-	*
†Flamborough Head	1011·0	-2	NE	8	r2q	39	82	3	<500	Nb	10	-	-	*
†Felixstowe ...	1008·2	-3	W	3	em,	37	98	3	3-4000	St	7	A.Cu	1	4
†Cranwell (Lincs)	1011·9	-2	NW	4	r1	37	98	6	2-3000	St	10	-	-	*
†Bedford ...	1011·3	-3	NW	4	d0	38	87	1	-	St	10	-	-	*
Benson	1011·6	-1	NW	3	o	36	98	4	-	St	10	-	-	*
London	1010·8	-1	NNW	3	om,	39	82	5	1½-2000	F.Cu	2	A.St	8	*

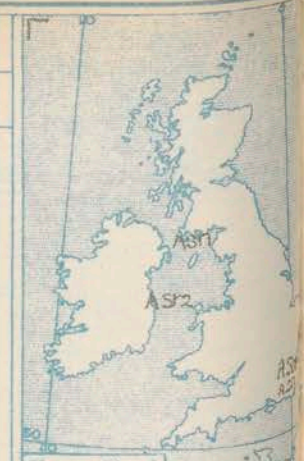
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 28TH					7H. G.M.T. of 29TH									24 HOURS ENDED 7H. 29TH						28TH
Lerwick ...	1022·8	42	NE	4	omp.	1027·0	+2	40	+1	NE	1	-	bcm	1	2	43	36	Thp.	Thp	om	*
Stornoway ...	1025·3	39	N	4	cp	1026·7	+2	36	0	N	2	-	c	1	3	43	35	o.bc	bccp	cpc	4·0
Castlebay (Barra's)	1024·9	42	N	4	b	1026·0	0	42	+3	N	3	-	bc	3	2	45	39	bc	bc.b	bp.b	7·1
Glasgow ...	1020·6	39	NNE	3	c	1022·7	+1	36	+1	NNE	2	NE	c	*	-	44	33	b.bc.c	c	c.b.bcx	6·8
Malin Head ...	1022·0	44	NNW	4	bc	1022·3	0	43	+4	E	2	E	bc	2	-	47	38	bc.	bc.	bc	7·0
Blacksod Point	1023·4	45	NE	3	bc	1027·4	0	44	0	SE	1	-	bc	1	1	46	34	bcq.	bc	bc3	*
Roche's Point ...	1022·2	42	NNW	3	bc	1022·5	0	37	-3	NW	3	-	b	2	0·1	47	37	c.	c.bc	bc.b	*
Birr Castle ...	1022·9	34	N	2	b	1023·3	*	24	-11	N	1	-	b	*	-	45	24	bc	bc	bx	5·6
Donaghadee ...	1020·2	44	N	4	bq/	1021·9	0	44	+1	ENE	5	NE	bc	5	-	46	43	bcu.bc	bcq/	cq	*
Liverpool (Bidston)	1001·6	42	N	3	o	1016·7	-1	41	+4	N	4	N	bc	4	-	43	37	bc	bc	c.bc	4·9
Holyhead ...	1018·2	45	NE	5	cq	1018·4	0	44	+2	NE	6	NE	bcq	4	0·1	47	41	bc.	bc.c	cp.cq	7·9
Pembroke (St. Ann's Head)	1018·7	41	N	2	bcv.	1018·1	0	40	0	N	1	-	bv	2	5	44	38	cq/p.	cq/pv.	bcqpv	0·7
Scilly (St. Mary's)	1019·5	45	N	4	c	1018·4	0	45	0	NNE	4	N	bc	5	1	49	41	c	c	bcp	2·5
Jersey (St. Aubin)	1015·2	45	NNW	3	b	1014·0	0	43	-2	NW	3	NW	b	3	2	49	38	bc.b	bc.o.b	pcp.b	6·3
Portland Bill ...	1015·0	44	[illegible]	4	b	1014·2	0	38	-1	N	4	-	b	4	-	47	36	b.	b.bc	b	*
Dungeness ...	1011·1	40	NW	4	bc	1008·4	-1	38	+1	NW	3	NW	c	3	-	47	35	bc	c.bc	bc.b.c	*
Wick	1021·6	42	NE	4	cq/	1025·5	+2	44	+4	ENE	3	-	bc	3	2	44	34	ompr'n	om.chp	c.om.bc	*
Nairn	1022·3	40	NNE	3	c	1025·4	*	35	-1	-	0	-	cg	1	13	43	34	cq/q	cq/prs	qprsu	3·8
Leith	1019·1	40	NE	4	o	1020·6	0	41	+3	NNE	5	-	o	4	0·4	43	38	cw.bc.c	cq.cp.o	cq.cp.o	*
Tynemouth ...	1015·8	44	NE	4	bcqp	1016·9	0	45	+9	NE	4	-	bcqp	5	16	45	34	omrv	omrv	bcmqp	*
Spurn Head ...	1011·6	40	N	6	r	1009·1	-2	43	+4	NNE	6	-	cqr	6	19	43	35	cqpne.	cqpne.	cqp.or	*
Yarmouth (Gorleston)	1008·9	41	N	4	o	1006·8	-4	38	-1	NNW	3	-	om	4	13	45	35		omp.	bcqp1	1·4
Clacton-on-Sea	1010·7	40	NW	4	r.	1008·4	-2	37	-1	WNW	3	-	bc	2	1	44	35	c.bc	bc.c.cq.	omc.bq.	3·5
Nottingham ...	1014·2	40	NNW	3	b	1012·7	*	39	+2	N	3	N	o	*	1	43	36	bcom.	o.com.	b	3·9

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside ¶ at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 29th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NW. 25-30	Cold	Cloudy to dull, some mist.	Ord.	Mod.
2. E. England	W-NW. 15-20	"	Fair to dull, local drizzle	"	Slight
3. E. Midlands	NW-N. 10-15	R.cold	Dull.	"	–
4. W. Midlands	N-NW. 5-15	"	Cloudy to dull.	"	–
5. S.W. England	N. 10-15	"	Fair to fine	Good	Mod.
6. South Wales	N. 0-2	Cold	Fair to fine.	Ord.	"
7. North Wales	NE. 25-30	R.cold	Fair to cloudy.	V.good	"
8. N.W. England	N. 15-20	"	Fair to dull.	"	"
9. N. Midlands	N-NE. 15-20	"	Dull, local mist.	Ord.	–
10. N.E. England	NE. 20-30	Moderate	Dull, rain.	Poor	R.rough
11. E. Scotland	NE-N. 15-20	R.cold	Dull, rain locally.	Good	Moderate
12. S.W. Scotland	N-NE. 15-25	"	Fair to cloudy.	"	Slight
13. Isle of Man	N-NE. 15-25	Moderate	Fair to cloudy.	–	Mod.
14. N.&N.W.Scotland	N-NE. 5-15	"	Fair to cloudy.	Good	Smooth
15. Hebrides	N. 15	R.cold	Cloudy to dull.	Ord.	"
16. Orkneys and Shetlands	NE. 2-5	"	Fair, mist locally.	Poor	Calm
17. N.W. Ireland	E-SE. 2-5	"	Fair.	–	"
18. N.E. Ireland	NE. 10-15	"	Fair; squalls.	Ord.	Smooth
19. S.E. Ireland	N-W. 2-5	Cold	Fine.	"	Slight
20. S.W. Ireland	NE-NW. 2-10	"	Fine.	V.good	Smooth



Upper Cloud

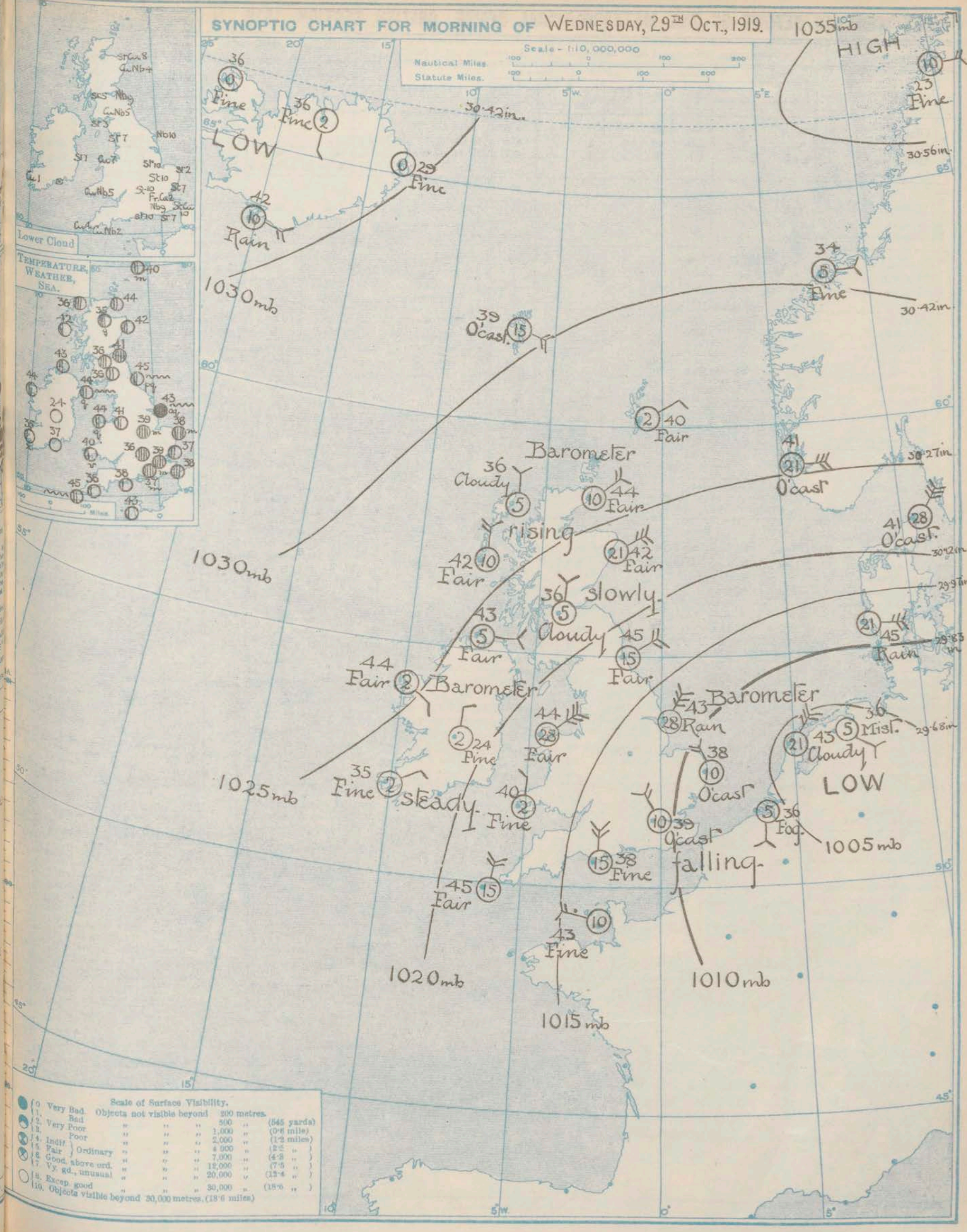
Visibility

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by the flying with the wind. Force, on the 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees.
WEATHER SYMBOLS.—clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain fog. snow. hail. thunder. thunderstorm.
SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

The extensive depression centred over Holland and Germany appears to be deepening and moving west slowly. A ridge of high pressure between Scotland and Iceland is spreading south-eastward slowly. Squally winds from between N. and E. with low temperature and local showers will prevail over the country generally.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday, 29th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands	Fresh or strong winds between NE. and E. Cloudy or dull, some showers of rain, hail or sleet. Squally. Cold.	A Nly. to Ely. type of weather with low temperature will probably be maintained beyond the period of the forecasts over England. More settled weather seems probable in Scotland.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Moderate or fresh Nly. or NEly. winds, strong locally. Cloudy with fair intervals and showers of rain or hail. Squally. Cold.	
10. N.E. England	Same as for Nos. 1-4	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Moderate NEly. & Ely. breezes, fresh locally. Cloudy, fair intervals, some showers of hail or rain. Cold.	
14. N.&N.W.Scotland 15. Hebrides 16. Orkneys and Shetlands	Light or moderate Ely. breezes. Fair generally, perhaps local showers. Rather cold.	
~~17. N.W. Ireland~~ 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate NEly. to Ely. breezes. Fair, local showers of rain or hail. Cold	


SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 29TH OCT., 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
1035mb HIGH
30·56in.
30·42in.
30·27in.
29·99in.
29·83in.
29·68in.
LOW
1030mb
1025mb
1020mb
1015mb
1010mb
1005mb
Barometer rising slowly
Barometer steady
Barometer falling
Scale of Surface Visibility.
0. Very Bad. Objects not visible beyond 200 metres.
1. Bad. " " " 500 " (545 yards)
2. Very Poor " " " 1,000 " (0·6 mile)
3. Poor " " " 2,000 " (1·2 miles)
4. Indif. " " " 4,000 " (2·5 ")
5. Fair } Ordinary " " " 7,000 " (4·3 ")
6. Good, above ord. " " " 12,000 " (7·5 ")
7. Vy. gd., unusual " " " 20,000 " (12·4 ")
8. Excep. good " " " 30,000 " (18·6 ")
10. Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No 302 B { Wednesday 29th October.

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 28th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 27th	Rainfall. Day. 9h-18h. 28th	Sunshine.	Sunshine. Sunrise to Sunset. 28th
Scotland.	Oban	bc.b	bc	44	40	-	-		3·3
	Banff	bcp.	bcp	44	35	7	2		3·3
	Montrose	crs	bcr.so	42	34	1	5		4·1
	St. Andrews								
England, N.E.	Harrogate	bc.c.o	o.bc.b	40	32	1	?		3·6
	Skegness								
	Scarborough	·✱·	·✱·	?	?	1	-		2·8
England, E.	Felixstowe	bcq/p.	p.cq/r.	44	36	1	2		2·4
	Walton-on-Naze								
	Southend-on-Sea	cq/.c	c.o	44	37	-	-		4·2
England, S.E.	Margate	c	c	44	39	-	-		0·8
	Ramsgate	·✱·	·✱·	50	37	-	-		?
	Folkestone	bc.b.bc	cg.c	44	39	-	-		4·6
	Hastings								
	Eastbourne	bc	bc	46	37	-	-		6·6
	Brighton	b bc	bc.cd	46	36	-	-		6·1
	Worthing	b.bc.	b	45	35	-	-		6·6
	Littlehampton	bc	bc	45	40	-	-		7·0
	Bournemouth	·✱·	·✱·	46	35	-	-		9·0
	Tunbridge Wells	o·c	c.o	44	36	-	-		0·9

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 27th	Rainfall. Day. 9h-18h. 28th	Sunshine.	Sunshine. Sunrise to Sunset. 28th
England, N.W.	Douglas (I.O.M.)								
	Blackpool	c	c	?	35	-	-		5·4
	Southport	b.bc.c	c.bcy.b	43	36	-	-		5·0
Midlands.	Buxton								
	Leamington Spa	bc	bc	43	34	-	-		7·3
	Ross-on-Wye	b	by	47	32	-	-		8·1
Wales.	Rhyl	bc	bc	44	41	-	-		5·6
	Colwyn Bay	·✱·	·✱·	44	40	-	-		3·9
	Llandudno	c.bh	c.bh	48	41	-	·01		4·1
	Aberystwyth	c.b.	c.bc	47	42	·✱·	·✱·		7·0
England, S.W.	Weymouth	b	b	50	35	-	-		8·6
	Teignmouth	b	b	47	37	-	-		6·3
	Torquay	b.	b.bc	48	34	-	-		7·0
	Paignton	b.	bc.b	49	35	-	-		6·5
	Penzance	o.cp.	c.cp.bc	48	41	5	4		1·4
	Newquay	cp.	cp	47	41	1	1		0·8
	Bude	b	b	47	42	1	-		2·7
	Ilfracombe	bc.c.o	o.bc.b	46	44	-	-		5·6
	Weston-s-Mare	b.bc.b	bc	47	39	-	-		7·0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-18h 28th	Weather 18h-18h 28th	Weather 18h 28th-1h 29th	Weather 1h-7h 29th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)							✱	✱	✱	✱
Eskdalemuir	b.bc.c	cq/hp.	bc.cpm bcp	bc.c.orsp	41	33	30	trace	1	7·1
†Stranraer	bc.c	v.b.bc.	b.bc.b.bc	b.bcx	46	30	✱	✱	✱	✱
†Lough Foyle							✱	✱	✱	✱
Valencia (Cahirciveen)	c.o.cv	cv	bcp.bx		46	35	29	-	-	1·5
†Anglesey (Llangefni)	bc.cprh	c.cq/		bc.cq	45	36	✱	✱	✱	✱
Falmouth	c.op	o.cph.	cp.bc.b	bcp	46	33	26	5	1	0·8
†Calshot (Hants)	c.o	bc.c	bc.o	b.o	46	32	✱	✱	✱	✱
†Capel (Folkestone)	of1.c	c.ov.	c.or2	c.o1	43	35	✱	✱	✱	✱
Aberdeen	bcpc	bcrhp.	bcp		43	35	32	2	2	3·3
†East Fortune	bc.cq	r2c.o	c.or1	r2c.o	45	33	✱	✱	✱	✱
†Flamborough Head	prh2q	prh2v.	c.oprh1	p2q	?	?	✱	✱	✱	✱
†Felixstowe	b.bcq	q/T1	q/p2	b.bcq	43	35	✱	✱	✱	✱
†Cranwell (Lincs)	p1c.o	p1c.o.	cr1	prs.p2	41	33	✱	✱	✱	✱
†Bedford	bc.cq	bc.c2	bf1	bc.cqf2d0	44	34	✱	✱	✱	✱
Benson	bc.c	bc	bc.om		43	32	23	-	-	✱
London (Kew Obsy.)	bc	bc.	o		43	35	29	-	-	5·1

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora ⌂ Solar halo ⊕
Rime ⚹ Lunar halo ⊕
Glazed frost ⇔ Solar corona ⊕
Glazed roads ⇔ Lunar corona ⊕

LONDON. OBSERVATIONS.

24 HOURS ENDED 9H G.M.T. 29th

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. (Yesterday.)	Humidity % 15 h. G.M.T. (To-day.)	Humidity % 9 h. G.M.T. (To-day.)
Greenwich (Royal Observatory)	c	c	o.od o.od o	43	36	28	-	2·2	63	81
City (Bunhill Row)	✱	✱	✱	✱	✱	✱	✱	3·0	✱	✱
Westminster (St. James's Park)	✱	✱	✱	45	35	30	-	4·2	64	81
" (Admiralty Arch	bcmq	bcmq.o	o.cmq	46	37	✱	-	4·6	69	88
Camden Sq. (British Rainfall)	bc	bc	✱	46	35	30	-	4·9	65	84
Kensington Palace	bc	bc.o	✱	44	35	32	-	✱	75(18h)	87

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 493 Joules.

Milliwatts.

Average Rate. 13·9

Maximum Rate. 32

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

29th & 30th October 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.44	11.37	4.30
	6.46	11.37	4.28
Greenwich	6.49	11.44	4.39
	6.51	11.44	4.37
Wick	7.22	11.56	4.30
	7.25	11.56	4.27
Valencia	7.31	12.25	5.19
	7.33	12.25	5.17

NOTES ON THE WEATHER OF YESTERDAY.

The Northerly type of weather was maintained. Showers of hail or rain were experienced in most districts of England and Scotland especially on the east coasts. As much as 19 mm. of rain was measured at Spurn Head. Over Ireland and the north-west of England the day was mainly fair. Temperature reached 50°F. at Ramsgate and at Weymouth but remained below 50°F. at all other stations. At Birr Castle the temperature fell as low as 24°F. at night.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21,161 B ..THURSDAY, 30TH OCTOBER. 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. 29TH													
†Houton B. (Orkney)														
Eskdalemuir ...	1019·7	0	~~NNW~~ NE	6	r.q	42	87	6	2-3000	Nb	10	-	-	*
†Stranraer ...	1020·9	-1	NE	4	bc	47	75	6	1-1500	St	8	-	-	*
†Lough Foyle ...														
Valencia (Cahire'n)	1022·9	-2	NNE	3	qv	46	65	10	2-3000	Cu	1	-	-	2
†Anglesey (Llangefni)	1016·7	-3	N	6	c	47	75	6	1-1500	St	8	-	-	6
Falmouth ...	1016·4	-2	N	6	cq	49	65	7	-	Cu.Nb	7	-	-	*
†Calshot (Hants) ...	1008·6	-6	N	5	ocq	46	75	5	2-3000	StCu	10	-	-	4
†Capel (Folkestone)	1003·2	-3	W	7	rs.q	35	98	2	<500	Nb	10	-	-	4
Aberdeen ...	1024·3	0	ENE	5	bc	47	55	8	-	Cu	4	-	-	5
†East Fortune ...	1021·8	0	NE	6	c	46	75	6	2-3000	St.Cu	8	-	-	*
†Flamborough Head	1009·3	0	NE	9	r.q	38	92	4	1½-2000	Nb	10	-	-	*
†Felixstowe ...	1001·8	-5	NNW	4	d	46	92	4	1½-2000	Cu.Nb	9	A.St	1	4
†Cranwell (Lincs)	1006·9	-3	N	5	o	46	98	7	1-1500	Nb	10	-	-	*
†Bedford ...	1005·2	-6	N	4	om	43	92	5	½-1000	St	10	-	-	*
Benson	1006·1	-8	NW	4	d	39	98	3	-	-	-	-	-	*
London (Kew Ob.)	1005·1	-8	NW	3	ocm	40	87	4	1½-2000	Nb	8	A.St	2	*
	18H. G.M.T. OF 29TH													
†Houton B. (Orkney)														
Eskdalemuir ...	1020·1	0	NNE	6	c	40	87	6	-	StCu	8	-	-	*
†Stranraer ...	1020·8	0	NE	3	bc	41	98	1	2-3000	St	4	-	-	*
†Lough Foyle ...														
Valencia (Cahire'n)	1022·3	0	NE	1	bv	40	75	10	-	-	-	CiSt	1	2
†Anglesey (Llangefni)	1016·8	+1	NNE	6	c	46	55	5	1½-2000	StCu	10	-	-	6
Falmouth ...	1015·1	0	NNW	6	c	48	75	7	-	CuNb	9	-	-	*
†Calshot (Hants) ...	1005·6	-3	N	3	p	42	98	4	½-1000	St	10	-	-	4
†Capel (Folkestone)	1001·1	-2	NNW	1	r	40	92	3	1-1500	Nb	10	-	-	4
Aberdeen ...	1024·7	0	NNE	4	bc	43	65	7	-	Cu	6	-	-	5
†East Fortune ...	1022·3	?	NE	3	r	44	82	-	1½-2000	Nb	8	-	-	*
†Flamborough Head	1011·4	+2	NE	9	r.q	46	75	6	1½-2000	St	10	-	-	*
†Felixstowe ...	1002·1	+1	NNE	4	cq	47	87	4	2-3000	Nb	7	-	-	5
†Cranwell (Lincs)	1009·7	+4	N	2	c	42	87	6	2-3000	St	6	aSt	4	*
†Bedford ...	1005·9	+3	NNE	6	cz	43	82	4	1-1500	St	8	-	-	*
Benson	1006·4	0	N	5	o	43	82	7	-	Nb	10	-	-	*
London (Kew Ob.)	1003·9	-1	N	5	o	44	75	3	1½-2000	StCu	8	-	-	*
	1H. G.M.T. OF 30TH													
†Houton B. (Orkney)														
Eskdalemuir ...	1020·8	0	NNE	6	bc	40	87	7	-	CuNb	5	-	-	*
†Stranraer ...	1020·5	0	NNE	3	bc	41	98	-	2-3000	St	5	-	-	*
†Lough Foyle ...														
Valencia (Cahire'n)	1024·2	0	-	0	bc	37	*	*	*	*	*	*	*	0
†Anglesey (Llangefni)														
Falmouth ...	1014·2	-1	N	6	o	47	75	7	-	CuNb	10	-	-	*
†Calshot (Hants) ...	1010·3	+3	N	3	o	43	98	6	3-4000	StCu	10	-	-	4
†Capel (Folkestone)	1007·6	+6	E	5	o	38	98	5	1½-2000	St	10	-	-	5
§Aberdeen ...	1024·6	0	N	2	bc	41	75	6	2-3000	StCu	5	-	-	*
†East Fortune ...	1022·9	0	NE	4	bcq	45	75	-	3-4000	Nb	5	-	-	*
†Flamborough Hd														*
†Felixstowe ...	1011·0	+5	ENE	5	o	43	82	-	1½-2000	St	10	-	-	6
†Cranwell (Lincs)	1013·8	+4	N	1	bc	36	98	5	2-3000	St	4	aSt	2	*
†Bedford ...	1011·5	+3	NE	2	2	39	87	4	3-4000	St	3	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (MO 5 Tml)	1009·4	+6	NE	5	bcq	41	*	*	*	*	*	*	*	*
	7H. G.M.T. OF 30TH													
†Houton B. (Orkney)														
Eskdalemuir ...	1021·8	+1	NNE	6	od	42	87	6	1½-2000	Nb	9	A.Cu	1	*
†Stranraer ...	1020·5	0	NNE	1	c	39	92	5	2-3000	St	3	-	-	*
†Lough Foyle ...														
Valencia (Cahire'n)	1021·2	0	NE	1	bx	31	92	8	-	-	-	Ci	2	2
†Anglesey (Llangefni)														
Falmouth ...	1015·1	+2	NNE	3	c	44	92	5	-	Cu.Nb	8	-	-	*
†Calshot (Hants) ...	1013·1	+4	NE	2	b	41	92	5	5-7000	Cu.Nb	2	-	-	3
†Capel (Folkestone)	1012·7	+6	E	6	v	40	82	8	1-1500	St	10	-	-	4
§Aberdeen ...	1026·5	+2	ENE	5	o	46	75	8	-	Cu	10	-	-	5
†East Fortune ...	(?)	+1	NE	5	c	46	87	5	1½-2000	Nb	7	-	-	*
†Flamborough Hd								*						*
†Felixstowe ...	1014·6	+4	NE	5	c	45	87	3	1-1500	St	6	ci.Cu	2	6
†Cranwell (Lincs)	1016·0	+3	NE	1	bc	36	92	5	2-3000	St	3	A.St	1	*
†Bedford ...	1015·4	+5	NNE	2	3	32	92	4	1½-2000	St	3	-	-	*
Benson	1014·3	+5	NNE	3	bc	34	98	5	-	Cu	5	-	-	*
London ... ... (MO 5 Tml)	1014·4	+4	NNE	3	om	39	98	4	2-3000	St	7	A.St	3	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall inms.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 29TH					7H. G.M.T. of 30TH									24 HOURS ENDED 7H. 30TH						29TH
Lerwick ...	1028·3	43	E	3	om	1030·7	+2	43	+3	NE	3	-	o	1	trace	45	39	omp.	om	om	*
Stornoway ...	1027·4	39	E	2	b	1029·2	+2	40	+4	E	1	-	b	1	1	47	35	c.b	b	b	6·0
Castlebay (Barra Is)	1025·7	45	NE	2	b	1027·1	+1	44	+2	ENE	3	-	b	3	-	46	40	bc.b.	b	b	8·0
Glasgow ...	1022·9	42	NE	3	c	1024·3	+2	42	+6	NE	4	NE	o	*	-	46	35	c.bc.cq	cq	b.bc.c	4·8
Malin Head ...	1022·1	45	NE	2	bc	1022·3	0	45	+2	E	3	E	bc	2	-	48	43	bc	bc	bc	6·3
Blacksod Point	1023·6	44	ESE	1	bc	1023·0	+1	42	-2	ESE	1	-	bc	2	1	49	34	bcp.	bc	bc	*
Roche's Point ...	1021·9	43	NNW	2	b	1020·9	0	38	+1	NW	3	-	b	2	0·1	47	37	b.	b	b	*
Birr Castle ...	1022·0	38	N	1	o	1021·4	*	32	+8	N	1	-	o	*	-	48	23	bc.c	bc.c	c.bcx.o	7·4
Donaghadee ...	1021·0	46	NE	6	cq	1021·9	+1	46	+2	NE	6	-	cq	5	-	48	44	bq	bcq	cq	*
Liverpool (Bidston)	1014·1	45	NNE	5	o	1017·1	+2	42	+1	NE	2	-	or	2	2	47	41	oq	oq	or	0·0
Holyhead ...	1017·7	48	NE	6	cq	1017·2	+1	48	+4	ENE	5	-	og	4	0·2	49	44	bc.cq	pc.oeg.	bc.cpa	1·5
Pembroke (St. Anu's Head)	1015·6	48	N	3	cq	1016·2	+1	44	+4	NE	2	-	bv	2	1	49	39	bcq	pv.	cq	5·8
Scilly (St. Mary's)	1018·5	47	NNW	5	c	1017·0	0	49	+4	NNW	4	N	o	5	0·4	52	45	bcp	bc.c	c.omp	7·0
Jersey (St. Aubin)	1009·7	48	NW	3	r.	1010·5	+1	46	+3	N	4	N	b	3	4	49	42	bcp.	op.c.op.	bcgh.b	4·8
Portland Bill ...	1008·1	46	NW	6	oq	1012·3	+4	40	+2	NNE	4	N	bq	4	1	48	36	bc.cq	oq.p.	bcq	*
Dungeness ...	1001·0	42	W	4	c	1010·9	+5	42	+4	E	6	E	oq	5	5	44	37	cor.	rq.c	cp.o.cq	*
Wick	1026·2	45	E	4	cm	1028·2	+3	46	+2	ENE	5	-	cm	5	2	46	43	bc.omp	omq	pc	bc.om.c	*
Nairn	1026·3	41	-	0	c	1027·5	*	43	+8	E	1	-	cg	2	2	44	35	cgh.p.	cg.	cpng	1·1
Leith	1021·8	44	NE	5	r	1023·0	0	45	+4	NE	4	-	r	4	11	47	40	ornq	rqo	rq.or	*
Tynemouth ...	1016·3	46	NE	5	omq	1018·7	+2	48	+3	NE	4	-	r	5	8	48	34	bl.omqp	omqp.	omrq	*
Spurn Head ...	1016·2	47	E	5	oq	1015·0	+2	46	+3	E	4	-	c	6	9	48	42	cqp.or.	oqr. cp.	oq.o	*
Yarmouth (Gorleston)	1025·7	46	ESE	8	r	1014·7	+3	44	+6	ESE	6	-	bcq	6	8	47	36	cqp	oqra.	oqrcu	0·0
Clacton-on-Sea	999·9	43	N	4	r	1013·5	+5	45	+8	E	4	E	bc	4	7	46	36	bc.c.or	or. cqp.	op.bc	0·3
Nottingham ...	1009·8	44	NNE	3	o	1016·5	*	40	+1	N	2	N	bc	*	17	46	38	or.	ro.	or	0·0

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longside † at 1H.

SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 30th October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	E-NE. 20-30	Cold	Dull, local mist; squally.	Var.	R. rough
2. E. England	NE-SE. 15-25	R. cold	Fair to cloudy, squally.	Ord.	"
3. E. Midlands	N. 5-10	Cold	Fair to dull.	"	–
4. W. Midlands	N-NE. 5-10	R. cold	Fair to dull.	–	–
5. S.W. England	N-NW. 15-20	"	Cloudy to dull.	Ord.	Mod.
6. South Wales	NE. 0-5	"	Fair to fine	Good	Smooth
7. North Wales	NE. 10-20	Moderate	Dull, threatening	"	Slight
8. N.W. England	NE. 10-15	R. cold	Dull, local rain.	V. good	Smooth
9. N. Midlands	N. 2-5	"	Fair to dull.	Ord.	–
10. N.E. England	E-NE. 15	Moderate	Cloudy to dull, local rain.	"	R. rough
11. E. Scotland	NE. 20-25	"	Cloudy, dull, local rain.	"	Moderate
12. S.W. Scotland	NE.-N. 20-30	"	Dull, local drizzle.	"	R. rough
13. Isle of Man	NE. 15-20	"	Cloudy to dull.	"	Moderate
14. N. & N.W. Scotland	NE. 15-25	"	Fair to cloudy.	"	"
15. Hebrides	E-NE. 5-15	R. cold	Fine.	"	Slight
16. Orkneys and Shetlands	NE. 15-20	"	Dull, some mist.	Poor	Smooth
17. N.W. Ireland	E. 5-10	"	Fair to cloudy.	Ord.	"
18. N.E. Ireland	NE. 20-30	"	Fair to cloudy.	"	R. rough
19. S.E. Ireland	N. 5-10	Moderate	Dull.	Poor	Smooth
20 S.W. Ireland	NE. 2-10	V. cold	Fair to fine.	V. good	"

EXPLANATION.

BAROMETER.—Isobars are drawn to 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. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in degrees F.

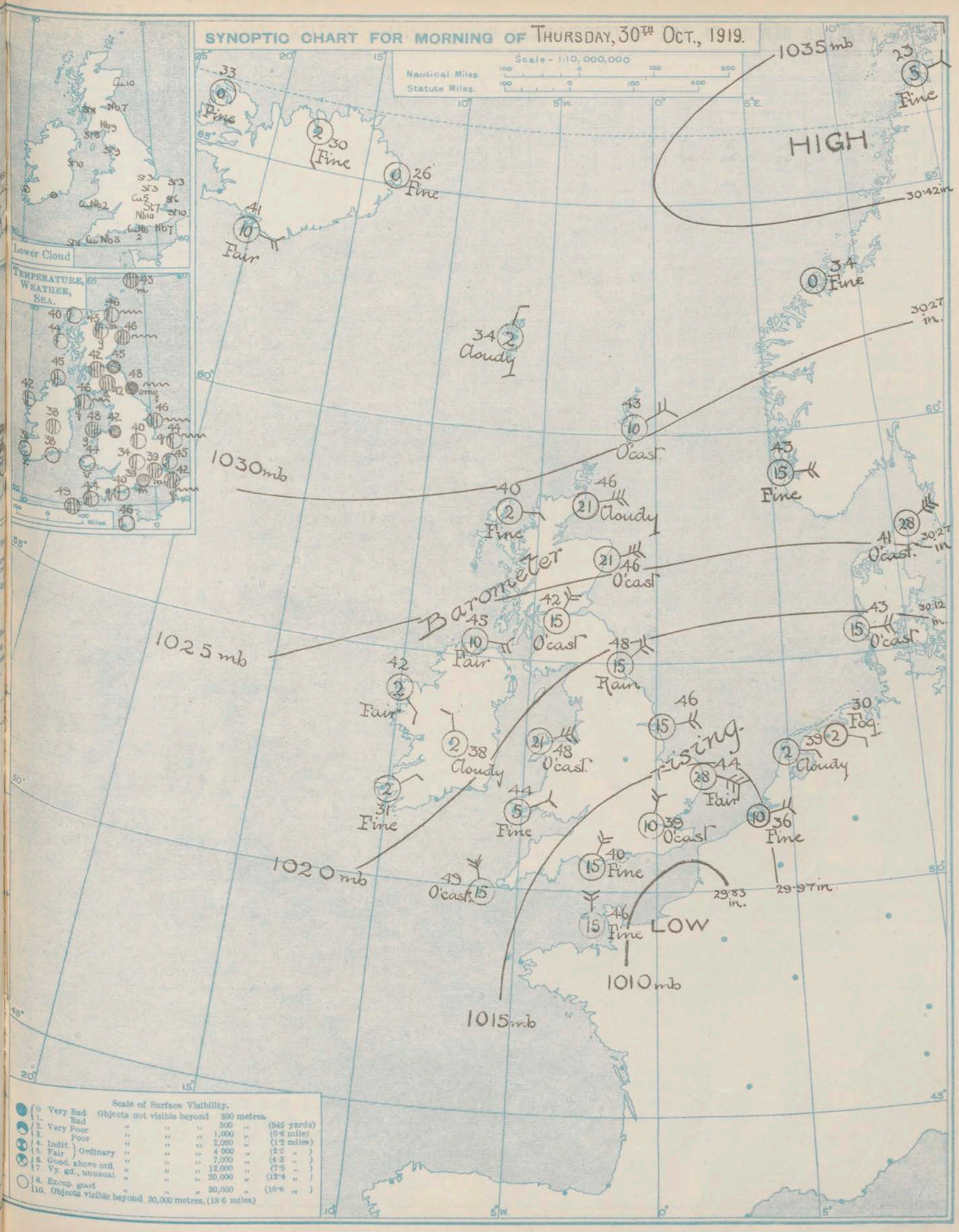
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.

SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

A depression centred over Northern France is moving south. An extensive anticyclone centred to the north of Scotland is extending its influence generally. Winds between NE. and E. with fair weather over Scotland and Ireland but with showers over England seem probable.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Thursday, 30th October, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate or fresh NEly. to Ely. breezes. Cloudy, fair at times, some showers. Rather cold.	Fair for Scotland. Over England and Ireland the outlook is less certain.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate Ely. or NEly. breezes. Fair generally. Rather cold.	


SYNOPTIC CHART FOR MORNING OF THURSDAY, 30TH OCT., 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
1035 mb
HIGH
30·42 in.
1030 mb
30·27 in.
1025 mb
Barometer
30·27 in.
30·12 in.
1020 mb
rising
29·83 in.
29·97 in.
LOW
1010 mb
1015 mb
Scale of Surface Visibility.
0. Very Bad
1. Bad
Objects not visible beyond 200 metres.
2. Very Poor " " " 500 " (545 yards)
3. Poor " " " 1,000 " (0·6 mile)
4. Indif. } Ordinary " " " 2,000 " (1·2 miles)
5. Fair } " " " 4 000 " (2·2 ")
6. Good, above ord. " " " 7,000 " (4·3 ")
7. Vy. gd., unusual " " " 12,000 " (7·5 ")
8. Excep. good " " " 20,000 " (12·4 ")
10. Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 303 B (Thursday 30th October)

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 29th

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h–9h. 28th	Rainfall. Day. 9h–18h. 29th	Sunshine.	Sunshine. Sunrise to Sunset. 29th
Scotland.	Oban	bc	b	48	32	–	–		2·3
	Banff	bc	bc	47	36	–	–		5·5
	Montrose	or	o	47	36	4	1		1·8
	St. Andrews	c	cp	47	36	1	0·3		1·0
England, N.E.	Harrogate	or.	or	43	34	3	6		0·0
	Skegness	ouz.rc	our.	48	36	3	6		1·0
	Scarborough	·x·	·x·	?	?	1	5		0·0
England, E.	Felixstowe	oqr	oq/pr.	47	35	1	2		0·9
	Walton-on-Naze								
	Southend-on-Sea	os.	orq/	46	35	0·1	4		0·1
England, S.E.	Margate	or.	o	47	39	–	5		0·0
	Ramsgate	bc	bc	44	36	0·4	8		0·0
	Folkestone	o	ro.	44	36	0·1	2		0·7
	Hastings								
	Eastbourne	c.	or.o.c	45	36	–	4		2·4
	Brighton	o.c.o	od.o	43	36	–	3		1·6
	Worthing	o.c.	ro.	43	35	–	1		1·0
	Littlehampton	o.c.	rc.	46	43	–	3		0·5
	Bournemouth	·x·	·x·	45	31	–	0·2		2·7
	Tunbridge Wells	o.	or.so.	42	36	–	2		0·0
England, N.W.	Douglas (I.O.M.)								
	Blackpool	·x·	·x·	49	37	–	–		0·0
	Southport	o.c.o	o	47	35	–	–		0·0
Midlands.	Buxton								
	Leamington Spa	or.	od.	46	33	–	4		0·0
	Ross-on-Wye	b.bc.or	or	44	30	–	2		1·3
Wales.	Rhyl	c	c	47	41	–	–		0·0
	Colwyn Bay	·x·	·x·	47	42	–	–		0·0
	Llandudno	o	o	49	41	–	–		0·0
	Aberystwyth	o.c.b	c.o	47	44	·x·	·x·		3·3
England, S.W.	Weymouth	c.o.c	c.op.o	47	34	–	1		1·8
	Teignmouth	b.	bcp.	49	35	–	0·1		0·0
	Torquay	b.	b.bc.c.o	49	32	–	0·1		7·8
	Paignton	b.	bcpq	49	35	–	0·1		7·3
	Penzance	rc.bc.b	b.bc	53	39	5	–		8·5
	Newquay	b.bcp.	bcpq	50	40	0·4	0·3		6·6
	Bude	bc.b	bcp.	49	35	–	–		7·2
	Ilfracombe	bc.c.o	oq/	49	42	–	–		0·7
	Weston-s-Mare	o.c.bc	pc.	48	38	–	–		0·5

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h–18h 29th	Weather 18h–18h 29th	Weather 18h 29th–18h 30th	Weather 1h–7h 30th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h–18h	Rainfall. Night. 18h–7h	Sun. Hours.
†Houton Bay (Orkney)							*	*	*	*
Eskdalemuir	bc.opq	opq.c	c.op.or.op.	bc.c.or	43	35	30	1	1	2·3
†Stranraer	b.bc	b.bc.b.bo	bc.c.bc.c	bc.c	47	30	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen)	bv	bv	b.bx		46	30	25	–	–	8·6
†Anglesey (Llangefni)	q.o	q/o.					*	*	*	*
Falmouth	bcqq	bc.ohq	o.c.pq	or.o	50	36	41	1	4	8·5
†Calshot (Hants)	o	r,	c.o	o	45	35	*	*	*	*
†Capel (Folkestone)	r,rs,	bc.or,	or,	c.ov	41	35	*	*	*	*
Aberdeen	bcq	cq.oq/c.	bcq.op		48	42	40	–	1	3·5
†East Fortune	c.oq	p,q	q/p,	p,q.	46	41	*	*	*	*
†Flamborough Head	r,q	r,					*	*	*	*
†Felixstowe	em.p.	q/r,	qr,	c.op,	48	37	*	*	*	*
†Cranwell (Lincs)	r,n	p,o.	p,c.o	bc.c.b.bo	46	31	*	*	*	*
†Bedford	om,r,	omq	bc.c2.	b.bcjxw	46	30	*	*	*	*
Benson	o.b.	or	cp.bc		44	33	30	10	0·2	*
London (Kew Obsy.)	o.orm	orm.o.	or.ormom		47	38	36	2	2	0·2

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.

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	28·5–32·5
12	Above 75	33·6 or above

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora — Solar halo
Rime — Lunar halo
Glazed frost — Solar corona
Glazed roads — Lunar corona

LONDON. OBSERVATIONS.

24 Hours ended 9h G.M.T. 30th

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. (Yesterday.)	Humidity % 15 h. G.M.T. (To-day.)	Humidity % 9 h. G.M.T. (To-day.)
Greenwich (Royal Observatory)	o.cd	cd	cd.ccd	46	38	34	9	0·0	85	86
City (Bunhill Row)	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James's Park)	*	*	*	47	39	36	7	0·0	97	77
" (Admiralty Arch	cmq,orsq	ornqp	oq,pbcf	48	39	*	5	0·0	90	82
Camden Sq. (British Rainfall)	o.or	or	*	45	37	34	7	0·2	92	87
Kensington Palace	o.or	o	*	46	37	36	7	*	(97)74(86)	90

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ..... 142 ..... Joules.

Milliwatts.

Average Rate. 4·0

Maximum Rate. 13

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

30th & 31st October ..... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.46	11.37	4.28
	6.48	11.37	4.26
Greenwich	6.51	11.44	4.37
	6.53	11.44	4.35
Wick	7.25	11.56	4.27
	7.28	11.56	4.24
Valencia	7.33	11.25	5.17
	7.35	11.25	5.15

NOTES ON THE WEATHER OF YESTERDAY.

Over England (except SW.England) and the south of Scotland the day was cloudy or dull with rain or showers. As much as 17 mm. of rain fell at Nottingham. Over Ireland, SW.England and the north of Scotland the day was fairer. 8.6 hours of sunshine were recorded at Valencia Observatory and 8.5 hours at Penzance. Except in SW.England the temperature did not reach 50°F. during the day.

† Air Ministry Station. * Information for these columns not usually received.

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

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21,162 B . FRIDAY, 31ST OCTOBER ..... 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.	Temp. °F.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. 30th													
†Houton B. (Orkney)	1024.5													
Eskdalemuir ...	1025.4	+2	NE	6	o	45	87	6	1½-2000	Nb	10	-	-	*
†Stranraer ...	1023.1	+2	NE	2	o	50	92	6	2-3000	St	9	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1021.4	-1	NE	2	b,v	50	65	10	-	-	-	ci.cu	3	2
†Anglesey (Llangefni)	1020.2	+3	ENE	2	c	47	75	6	1½-2000	St	4	A.cu	3	2
Falmouth ...	1017.3	+1	NE	2	bcq	50	56	6	-	Cu	3	A.cu	3	*
†Calshot (Hants) ...	1016.5	+3	E	2	c	47	82	3	4-5000	Cu	8	-	-	4
†Capel (Folkestone)	1016.3	+3	NE	4	bc	43	75	7	4-5000	Cu	5	-	-	4
Aberdeen ...	1029.0	+3	ENE	5	c	49	75	8	-	Cu	5	A.cu	2	4
†East Fortune ...	1026.5	+2	NE	4	o	46	92	5	2-3000	Nb	10	-	-	*
†Flamborough Head	1021.6	+2	NE	2	o	46	87	8	5-7000	St.cu	10	-	-	*
†Felixstowe ...	1018.2	+2	ENE	3	c	47	75	6	< 500	Cu	5	A.St	2	4
†Cranwell (Lincs)	1020.0	+2	ENE	1	bc	47	65	7	4-5000	Cu	3	ci.St	2	*
†Bedford ...	1018.3	+2	ENE	2	3,	45	65	5	4-5000	Cu	4	-	-	*
Benson	1017.2	+2	NNE	3	c	46	75	*	*	*	*	*	*	*
London (Kew Ob.)	1017.2	+3	E	3	cm	46	75	4	2-3000	St.cu	7	A.cu	4	*
	18H. G.M.T. OF 30th													
†Houton B. (Orkney)														
Eskdalemuir ...	1028.0	+4	NNE	4	b,	41	87	7	-	Cu	2	-	-	*
†Stranraer ...	1026.6	+2	-	0	c	47	92	2	2-3000	St	5	A.St	2	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1023.4	+4	SE	4	b	46	82	10	2-3000	Cu	1	ci.St	2	2
†Anglesey (Llangefni)	1023.4	+3	NE	2	c	41	75	-	1-1500	St	0	-	-	1
Falmouth ...	1019.8	+2	NNE	3	b3	44	65	6	-	St.cu	1	-	-	*
†Calshot (Hants) ...	1021.9	+2	ENE	1	c	45	75	3	2-3000	Cu	8	-	-	4
†Capel (Folkestone)	1018.9	+2	NE	3	c	42	65	5	2-3000	Cu	8	-	-	2
Aberdeen ...	1031.0	+2	NE	4	o	46	75	8	-	Cu	10	-	-	4
†East Fortune ...	1025.2	+4	NE	3	r,	46	87	-	1-1500	Nb	10	-	-	*
†Flamborough Head	1022.2	+2	ENE	6	r.q	46	92	7	1½-2000	St	10	-	-	*
†Felixstowe ...	1020.3	+2	N	2	3,	40	92	3	5-7000	Cu	3	-	-	3
†Cranwell (Lincs)	1023.1	+2	NNW	1	o	42	87	6	2-3000	St	10	-	-	*
†Bedford ...	1021.2	+4	NNE	1	bc3	38	87	-	-	-	-	ci.cu	4	*
Benson	1020.4	+4	-	0	b,	37	87	6	-	-	-	-	-	*
London (Kew Ob.)	1020.4	+4	NE	2	bm	43	75	3	-	-	-	-	-	*
	1H. G.M.T. OF 31st													
†Houton B. (Orkney)														
Eskdalemuir ...	1030.5	+1	NNE	4	o	38	92	6	-	St	9	-	-	
†Stranraer ...	1029.5	+3	NNE	2	b,	37	98	-	2-3000	St	1	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1027.0	+2	NNE	2	bc	41	*	*	*	*	*	*	*	0
†Anglesey (Llangefni)	1027.0	+3	NE	3	bc	44	82	-	1½-2000	St	4	-	-	3
Falmouth ...	1023.6	+2	NE	3	b,	39	75	6	-	-	-	-	-	*
†Calshot (Hants) ...														
†Capel (Folkestone)	1020.4	0	N	1	r,	40	98	2	1-1500	Nb	10	-	-	-
Aberdeen ...	1031.4	+2	N	2	o	41	92	4	1½-2000	St.cu	10	-	-	*
†East Fortune ...	1031.7	+2	NE	2	or,	42	87	4	1½-2000	Nb	10	-	-	*
†Flamborough Head	1025.3	+1	NE	6	b,	44	75	8	3-4000	St	3	-	-	*
†Felixstowe ...	1021.1	0	N	2	d,	45	98	3	1-1500	Cu.Nb	10	-	-	4
†Cranwell (Lincs)	1024.6	+3	N	2	o	43	92	5	2-3000	St	6	A.St	4	*
†Bedford ...	1024.9	0	NE	3	r,	44	92	1	1-1500	St	10	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London ... ... (M.O. at 1h.)	1021.2	0	NNE	1	op	43	*	*	*	*	*	*	*	*
	7H. G.M.T. OF 31st													
†Houton B. (Orkney)														
Eskdalemuir ...	1032.0	+2	NNE	3	o	38	87	6	2-3000	St	10	-	-	*
†Stranraer ...	1032.0	+2	-	0	bc	36	98	4	2-3000	St	2	ci.St	2	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1029.5	+4	NE	1	b,3	37	87	7	-	-	-	-	-	3
†Anglesey (Llangefni)	1028.8	+3	NE	3	o	44	75	6	1½-2000	St.cu	10	-	-	4
Falmouth ...	1024.4	0	N	3	b,3	41	87	4	-	St	3	-	-	*
†Calshot (Hants) ...	1023.7	0	NE	3	bc	44	92	6	2-3000	St.cu	2	ci.cu	3	3
†Capel (Folkestone)	1021.1	-1	N	2	d,	40	98	6	½-1000	Cu.Nb	10	-	-	3
Aberdeen ...	1033.4	+1	NNW	2	bc	42	82	7	-	St.cu	6	-	-	3
†East Fortune ...	1032.7	+2	NE	3	o	43	87	6	2-3000	Nb	9	-	-	*
†Flamborough Head	1027.5	+3	NE	7	r.q	42	82	6	1-1500	St	7	A.St	3	*
†Felixstowe ...	1022.7	+3	NNE	3	o	43	98	4	1½-2000	Cu.Nb	9	-	-	4
†Cranwell (Lincs)	1026.2	+2	N	3	c	40	98	6	2-3000	St	4	A.St	3	*
†Bedford ...	1024.1	+2	NNE	4	3,	42	92	5	1½-2000	St	10	-	-	*
Benson	1023.1	+2	N	3	b,	41	92	6	-	St.cu	10	-	-	*
London ... ... (M.O. at 1h.)	1022.8	+2	N	3	c	42	92	5	3-4000	St.cu	7	-	-	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 30th					7H. G.M.T. of 31st									24 HOURS ENDED 7H. 31st						30th
Lerwick ...	1033.7	44	NNE	3	o	1035.8	+1	44	+1	NE	5	-	o	3	-	45	42	o	o	o	*
Stornoway ...	1032.6	44	E	1	b	1035.9	+2	44	+4	E	1	-	o	1	-	49	38	bc	bc.b	b.o	2.2
Castlebay (Barra Is)	1030.1	48	NE	4	c	1035.2	+3	45	+1	NNE	2	N	bc	2	-	49	43	b.o.bc	bc.o	o.bc	4.5
Glasgow ...	1029.2	42	NE	3	bc	1033.2	+2	40	-2	NE	2	E	c	*	1	45	39	o.dpq	op.os	bc.cpc	0.0
Malin Head ...	1027.0	49	NE	4	c	1031.1	+1	45	0	E	3	E	c	2	-	50	44	c	c	c	1.8
Blacksod Point	1024.7	48	E	2	bc	1032.2	+4	43	+1	ESE	2	-	bc	2	-	50	39	bc	bc	bc	*
Roche's Point...	1023.4	46	NW	2	o	1028.9	+3	42	+4	NNE	1	E	o	1	-	52	38	b.bc	c.o	o.c.o	*
Birr Castle ...	1023.8	46	NE	1	c	1030.7	*	37	+5	NE	1	-	b	*	-	50	32	c	c	c.b	2.8
Donaghadee ...	1024.9	49	E	5	cq	1031.1	+5	45	-1	E	4	-	bc	4	-	51	36	c	cq	cq	*
Liverpool (Bidston)	1023.5	45	ENE	2	m	1028.8	+2	39	-3	ENE	3	-	o	2	1	46	39	om	om	om	0.1
Holyhead ...	1023.6	46	E	4	bm	1028.7	+2	46	-2	ENE	5	-	o	3	-	49	45	o.c.o.bc	bc.bm	bc.c.bo	1.0
Pembroke (St. Ann's Head)	1024.9	43	NE	1	b	1026.7	+2	43	-1	NNE	2	NE	b	2	-	48	37	bcpv	bc	bc	3.8
Scilly (St. Mary's)	1019.0	47	ENE	3	bc	1024.8	+2	46	-3	NE	3	NE	bc	4	1	52	43	bc	bc	b.bc	2.4
Jersey (St. Aubin)	1016.1	44	NE	3	p	1020.7	+1	42	-4	NE	2	-	om	1	3	48	37	bp.c	cp.bop	op.om	2.4
Portland Bill ...	1018.0	43	NE	4	b	1021.5	+1	45	+5	NNE	4	-	c	4	-	48	39	bc	bc	bcm.c	*
Dungeness ...	1017.5	45	E	5	c	1030.1	+2	42	0	N	3	N	c	3	1	46	40	c.bc	bc.c	c.cp	*
Wick	1032.6	45	ENE	4	om	1034.7	+1	44	-2	NNE	2	-	om	3	1	47	43	cm.bcm	omb.cp	bc.omd	*
Nairn	1031.5	43	-	0	c	1035.0	*	43	0	NE	3	-	bcq	3	4	48	39	cp.rq	cq	c.p.bc	0.0
Leith	1029.3	47	NE	3	c	1032.8	+2	42	-3	NE	3	-	c	3	10	47	42	r	r.or.o	c.os	
Tynemouth ...	1026.2	48	ENE	4	om	1030.4	+2	44	-4	ENE	4	-	oq	4	7	48	42	om.r.o	om.o	cmp.om	*
Spurn Head ...	1021.6	47	NE	2	o	1025.7	+2	46	0	NE	5	-	cqp	5	2	49	42	oq.c	c.o	cqp	*
Yarmouth (Gorleston)	1019.3	46	NE	3	c	1021.0	+3	45	+1	ENE	5	-	cqp	5	2	47	43	bc	c	bcqop	4.5
Clacton-on-Sea	1019.5	44	N	3	c	1021.9	+3	44	-1	NNE	2	E	c	2	3	48	41	bc	bc.cq	c.omrc	4.7
Nottingham ...	1022.3	45	NE	1	o	1026.2	*	41	+1	NNE	3	N	c	*	1	47	39	bc	bc	o	4.7

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § Longsto

SUMMARY OF CONDITIONS AT 7 A.M. Friday, 31st October, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NE. 10-15	R. cold	Fair to dull, local drizzle	Good	Slight
2. E. England	N-NE. 10-15	"	Cloudy to dull.	Ord.	Mod.
3. E. Midlands	N-NE. 10	"	Dull.	"	–
4. W. Midlands	NNE. 5-10	"	"	Poor	–
5. S.W. England	N. 10-15	Cold	Fair to cloudy, local haze.	"	Mod.
6. South Wales	N. 2-5	"	Fair to dull.	Good	Slight
7. North Wales	NNE-E. 10-15	"	Dull.	"	"
8. N.W. England	NE. 5-10	R. cold	Fair to dull.	"	"
9. N. Midlands	NE. 10	"	Dull.	"	–
10. N.E. England	NE. 15-25	Moderate	Cloudy to dull, local rain, squally.	"	Mod.
11. E. Scotland	N-NE. 5-10	"	Fair to dull.	"	Slight
12. S.W. Scotland	NE. 2-5	"	Fair to cloudy.	"	"
13. Isle of Man	NE-E. 10-15	"	Fair to cloudy.	"	Mod.
14. N. & N.W. Scotland	N-E. 5-10	"	Fair to dull, local mist.	Ord.	Smooth
15. Hebrides	NE-E. 2-5	"	Fair to dull.	"	"
16. Orkneys and Shetlands	NE. 15-25	"	Dull.	Good	Slight
17. N.W. Ireland	ESE. 5-10	R. cold	Fair to cloudy.	Ord.	Smooth
18. N.E. Ireland	NE. 2-5	Moderate	Fair to cloudy, local squalls.	"	Slight
19. S.E. Ireland	NE. 2-5	R. cold	Fair to dull.	"	"
20 S.W. Ireland	N-NE. 2-5	Cold	Fair to cloudy, local haze.	Good	Smooth

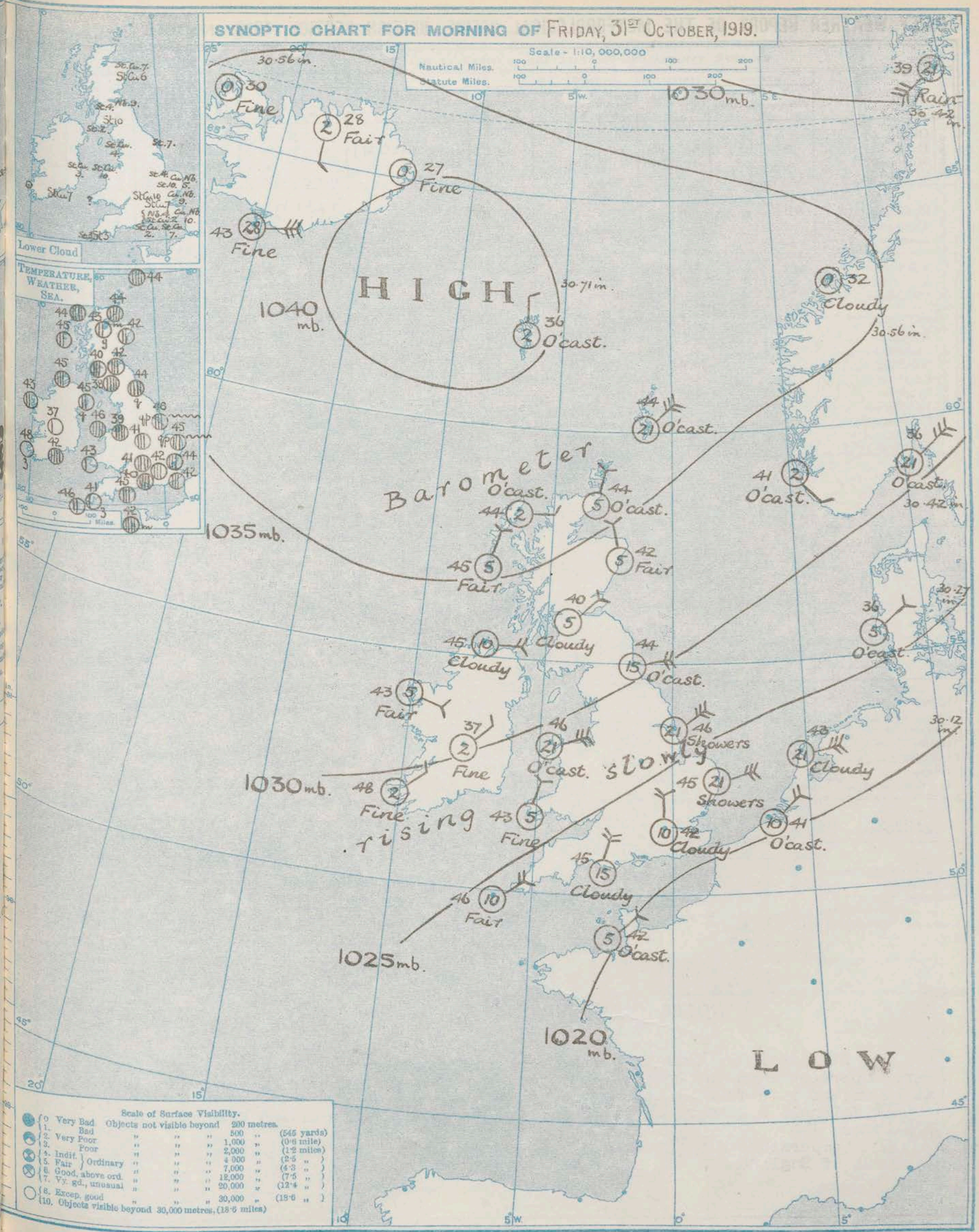
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 9 a.m.

An extensive anticyclone covers North-East Atlantic and Scandinavia. A depression centred near the Azores will probably move north-eastward. A continuation of Ely. or NEly. winds with cloudy weather and showers in the east and fairer weather in the west seem probable.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 31st October, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands	Moderate breezes from between N. and E. Cloudy, occasional showers. Rather low temperature.	The Easterly type with cloudy weather and showers in the east and fairer weather in the west will probably be maintained beyond the period of the forecasts
4. W. Midlands 5. S.W. England 6. South Wales	Moderate breezes between NE. and SE. Fair or cloudy. Rather low temperature.	
7. North Wales 8. N.W. England 9. N. Midlands	Moderate NEly. to Ely. breezes. Fair or cloudy. Rather low temperature.	
10. N.E. England 11. E. Scotland	Moderate NEly. to Ely. breezes, fresh locally. Cloudy, occasional showers. Rather cold.	
12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind between E. and NE. light or moderate. Fair or cloudy. Rather low temperature.	
19. S.E. Ireland 20. S.W. Ireland	Same as for Districts 4-6	

Meteorological Office, Exhibition Road, London, S.W. 7. SIR NAPIER SHAW, F.R.S., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Divi


SYNOPTIC CHART FOR MORNING OF FRIDAY, 31ST OCTOBER, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
HIGH
1040 mb.
1030 mb.
1035 mb.
1025 mb.
1020 mb.
LOW
Barometer rising slowly
30.56 in.
30.71 in.
30.42 in.
30.12 in.
Fine
Fair
Cloudy
O'cast.
Rain
Showers
Scale of Surface Visibility.
0. Very Bad Objects not visible beyond 200 metres.
1. Bad " " " 500 " (545 yards)
2. Very Poor " " " 1,000 " (0·6 mile)
3. Poor " " " 2,000 " (1·2 miles)
4. Indif. " " " 4 000 " (2·5 ")
5. Fair } Ordinary " " " 7,000 " (4·3 ")
6. Good, above ord. " " " 12,000 " (7·5 ")
7. Vy. gd., unusual " " " 20,000 " (12·4 ")
8. Excep. good " " " 30,000 " (18·6 ")
10. Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 304 B

FRIDAY, 31st OCTOBER, 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR THURSDAY, 30th OCT.

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 18h-9h. 29th	Rainfall. Day. 9h-18h. 30th	Sunshine.	Sunshine. Sunrise to Sunset. 30th
Scotland.	Oban								
	Banff	o	o	48	43	0·1	–		0·0
	Montrose	o	or	48	40	2	1		0·1
	St. Andrews ...								
England, N.E.	Harrogate	o.c.bc	c.o	45	39	12	–		1·4
	Skegness								
	Scarboro'	*	*	?46	?37	15	1		0·0
England, E.	Felixstowe	cq.p	bcq	?49	39	14	0·3		5·4
	Walton-on-Naze...								
	Southend-on-Sea...	orq.bc	bc	48	37	1	–		4·5
England, S.E.	Margate	c.bc	bc.c	47	37	0·2	–		4·0
	Ramsgate	bc	bc	44	39	1	–		4·2
	Folkestone	q	bc	46	39	1	–		3·8
	Hastings								
	Eastbourne	c.bc	bc	47	39	3	–		4·6
	Brighton	o.c	c	49	39	2	–		6·8
	Worthing	c.bc	b	48	39	–	–		5·4
	Littlehampton ...	*							
	Bournemouth ...	*	*	48	36	1	–		5·5
	Tunbridge Wells	b	b	47	35	1	2		6·4

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 29th	Rainfall. Day. 9h-17h. 30th	Sunshine.	Sunshine. Sunrise to Sunset. 30th
England, N.W.	Douglas (I.O.M.)								
	Blackpool	*	*	54	41	3	–		4·3
	Southport	o.c.o	o.c.o	49	41	3	–		2·0
Midlands.	Buxton	r.c.r	bc.b	43	36	11	–		2·4
	Leamington Spa...	bc	bc	46	37	0·2	–		5·5
	Malvern								
	Ross-on-Wye ...	c.bc	bc.b	47	35	1	–		5·2
Wales.	Rhyl	p.bc	c.bc	47	42	1	1		1·2
	Colwyn Bay ...	*	*	47	43	0·4	–		2·0
	Llandudno	*	*	47	44	*	*		
	Aberystwyth ...	o.c.b	c.c.o	48	42	–	–		2·5
England, S.W.	Weymouth	bc	bc.b	50	38	–	–		5·8
	Teignmouth ...								
	Torquay	b.bc	bc.c.b	49	40	1	–		6·3
	Paignton	b	b	49	39	1	–		6·2
	Penzance	dp.bc.b	b.bc.b	52	44	4	–		7·3
	Newquay	b	b	48	42	1	–		7·6
	Bude	w.bc.b	b	50	40	1	–		7·4
	Ilfracombe	bc.c	c	48	45	0·3	–		3·4
	Weston-s-Mare ...	bc.b	b	49	40	0·1	0·2		7·5

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 30th	Weather 13h-18h 30th	Weather 18h 30th-1h 31st	Weather 1h-7h 31st	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...							*	*	*	*
Eskdalemuir	cp.bc.or.o	or.o.c.b.b	bc.c.op	o.or.o	45	35	32	1	1	0·1
†Stranraer	c	c.o	b.bc.b.bc	b.bc.x	50	36	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen) ...	bv	bv	b.bz		50	30	30	–	–	8·0
†Anglesey (Llangefni) ...	b.bc.c.o	b.bc.c.o	b.bc	b.bc.o	48	38	*	*	*	*
Falmouth	c.bc.by	bc.by	b.	b	50	35	28	1	–	7·6
†Calshot (Hants)	c.o3	b.o		o	48	38	*	*	*	*
†Capel (Folkestone)... ...	c.ov2	bc.cz	bc.cpd0	c.or.	44	39	*	*	*	*
Aberdeen	o.c.bc	c.o	op.bc		49	42	37	–	1	0·4
†East Fortune	cp1	p1z	p	p2	47	42	*	*	*	*
Flamborough Head ...	c.opd0	op.o	c.op.	p.q	46	41	*	*	*	*
†Felixstowe	bc.cq	zq	c.or.	op1	47	39	*	*	*	*
†Cranwell (Lincs) ...	bc.c	bc.cp0	p.bc.c	c.o	48	36	*	*	*	*
†Bedford	b.bc3	b.bc3	wq	om.q.pd	–	–	*	*	*	*
Benson	c	bc	or o		46	32	25	–	1	*
London (Kew Obsy.) ...	om.bc.m.o	cm.bm	b.bcp.c		46	39	35	0·3	0·3	1·3

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.

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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora — Solar halo
Rime — Lunar halo
Glazed frost — Solar corona
Glazed roads — Lunar corona

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. Yesterday.	Humidity % 9 h. G.M.T. To-day.
	24 HOURS ENDED 9h G.M.T. ... 31st									
Greenwich (Royal Observatory)	c	c	co.od.o.om	49	39	29	1	4·2	67	83
City (Bunhill Row)	*	*	*	*	*	*	*	1·6	*	*
Westminster (St. James's Park)	*	*	*	47	41	36	2	–	67	82
,, (Admiralty Arch	bc.f.cpm	bcz	bm.adm.cm	47	42	*	0·2	1·5	67	85
Camden Sq. (British Rainfall)	bc	bc.c	*	49	39	32	1	2·1	71	87
Kensington Palace	o	o.c	*	47	39	35	1	*	71 (at 18h.)	86

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total .....361..... Joules.

	Milliwatts.
Average Rate.	10·3
Maximum Rate.	25

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

31st Oct. & 1st November 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	6·48	11·37	4·26
	6·50	11·37	4·24
Greenwich	6·53	11·44	4·35
	6·55	11·44	4·33
Wick ...	7·28	11·56	4·24
	7·30	11·56	4·22
Valencia ...	7·35	12·25	5·15
	7·37	12·25	5·13

NOTES ON THE WEATHER OF YESTERDAY.

The Ely. to NEly. type of weather was maintained over the country. Showers were experienced in the eastern districts. Weather was fairer in the west. As much as 10 mm. of rain fell at Leith.

At Valencia 8.0 hours of sunshine were recorded, Falmouth and Newquay had 7.6 hours.

The temperature did not reach 50°F. except in Ireland and at a few stations in the west of England.

† Air Ministry Station. * Information for these columns not usually received.

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