

METEOROLOGICAL OFFICE,  
LONDON.

---

---

DAILY WEATHER REPORTS

---

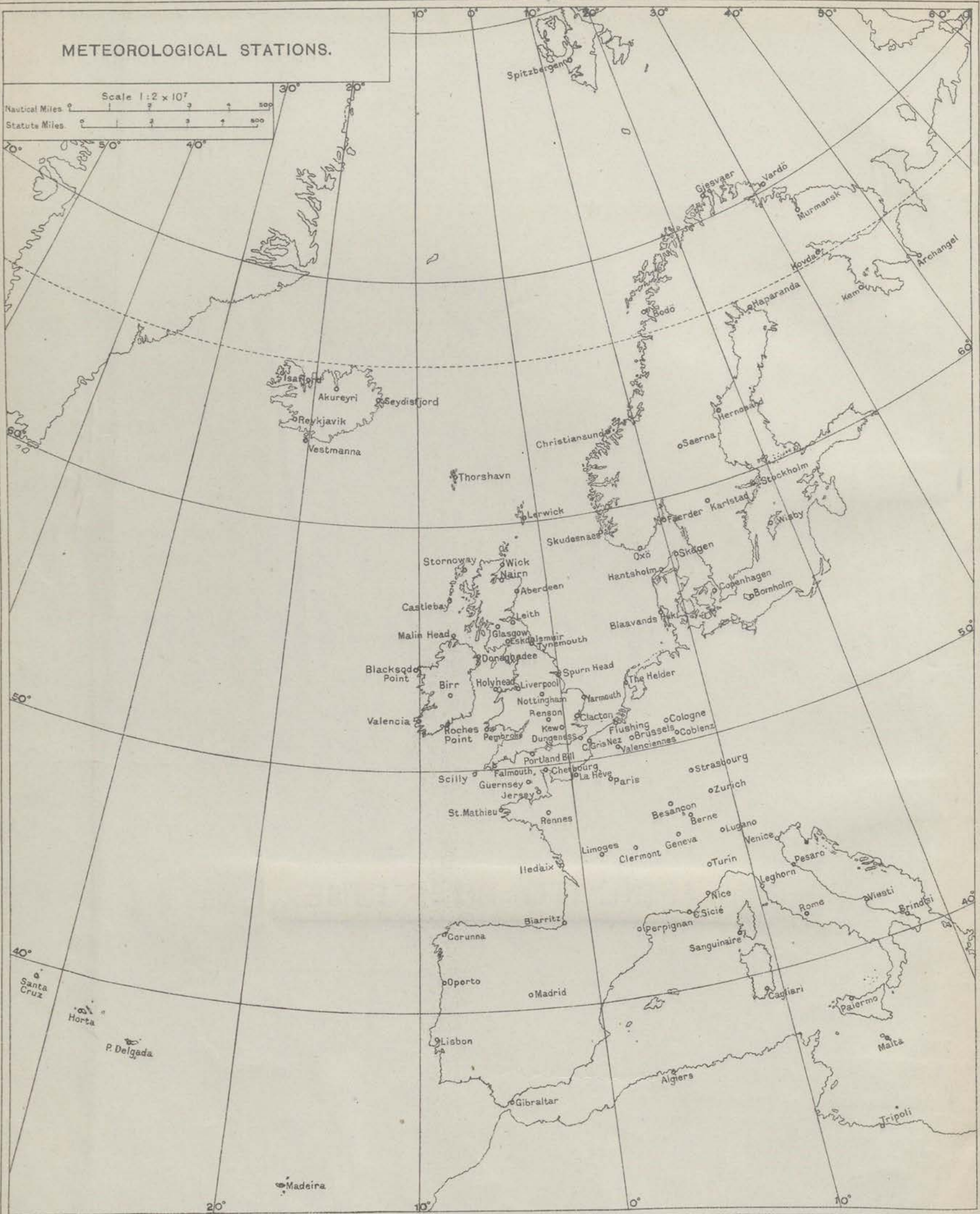
---

1<sup>ST</sup> JULY TO 30<sup>TH</sup> SEPTEMBER, 1919.



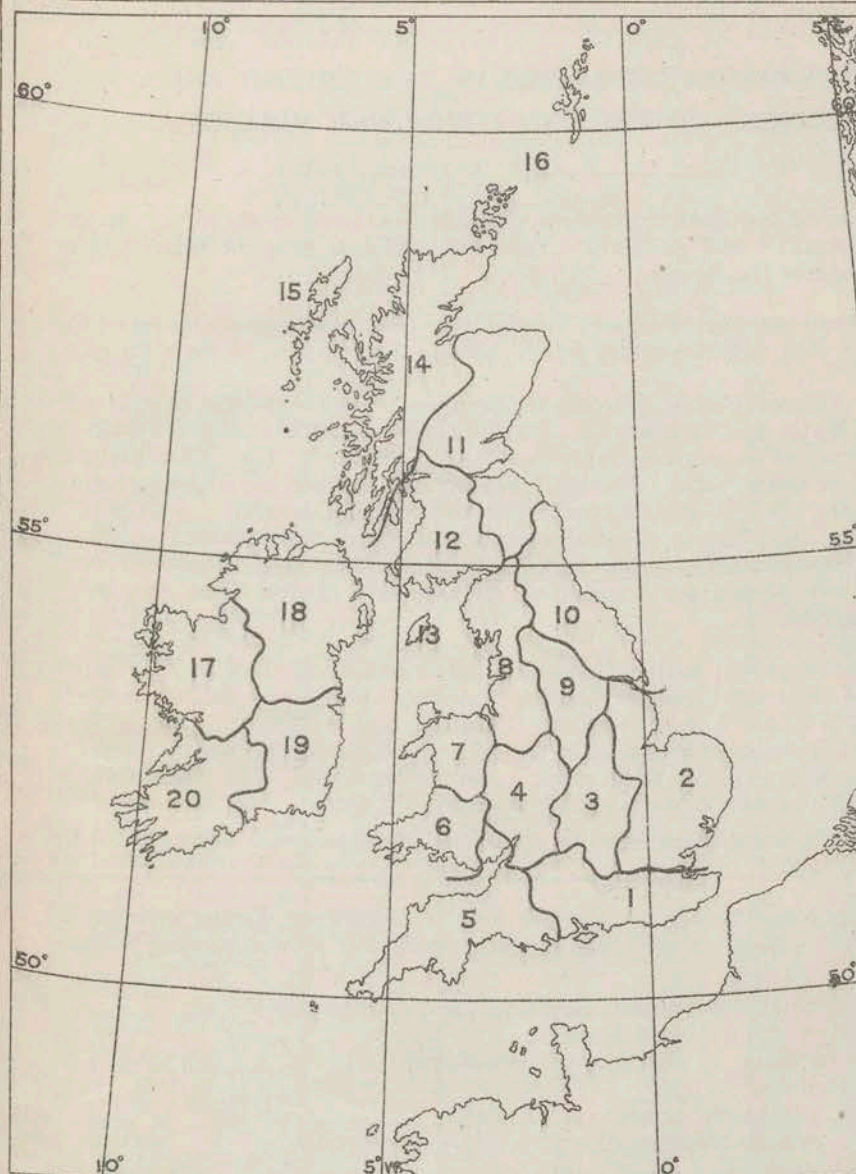
# METEOROLOGICAL STATIONS.

Scale 1:2 x 10<sup>7</sup>  
Nautical Miles 0 1 2 3 4 500  
Statute Miles 0 1 2 3 4 500

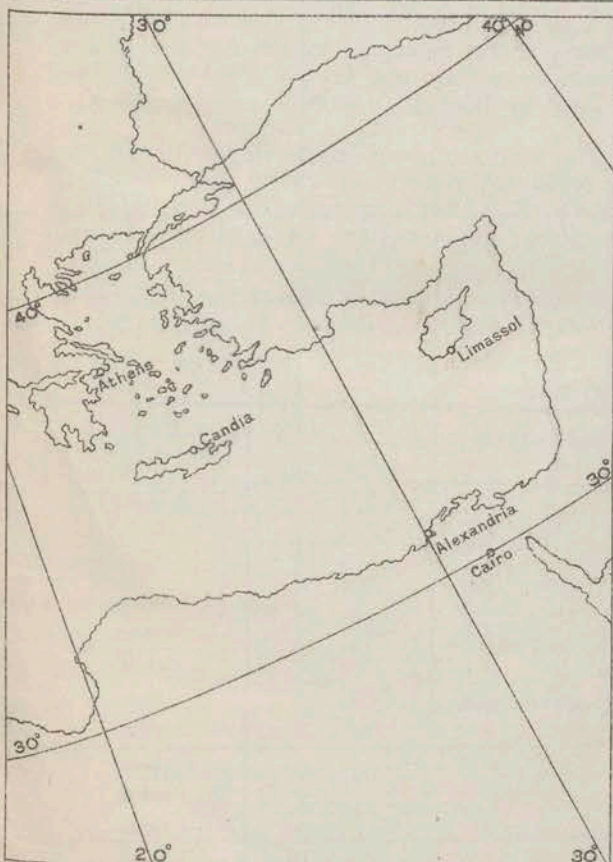




# DISTRICTS.



# STATIONS USED FOR UPPER AIR SUPPLEMENT.



# SCALE OF SURFACE VISIBILITY.

Symbol	Visibility Description	Objects not visible beyond	Distance
●	0 Very bad	200 metres (320 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 }	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 & clouded ○  
Sky & clouded ○ Sky & clouded ○  
Overcast sky ○ Rain falling ○  
Snow × Hail ×  
Fog ≡ Mist ≡  
Thunder T Thunderstorm T  
Lightning ⚡ Gale ⚡  
Aurora ☄ Solar halo ☄  
Rime ☄ Lunar halo ☄  
Glazed frost ☄ Solar corona ☄  
Glazed roads ☄ Lunar corona ☄  
Snow lying ☄

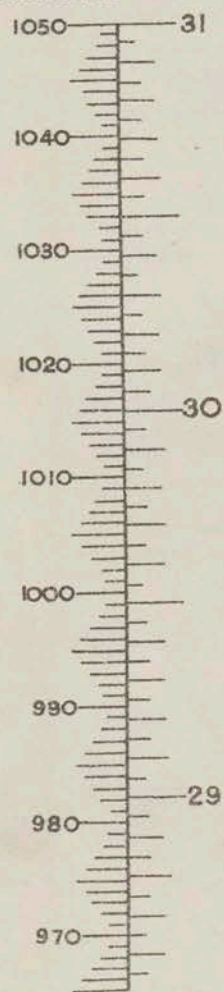
SEA DISTURBANCE.—  
Rough ~~~~~ High ~~~~~



# METEOROLOGICAL OFFICE, LONDON.

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

Millibars. Inches.



**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.

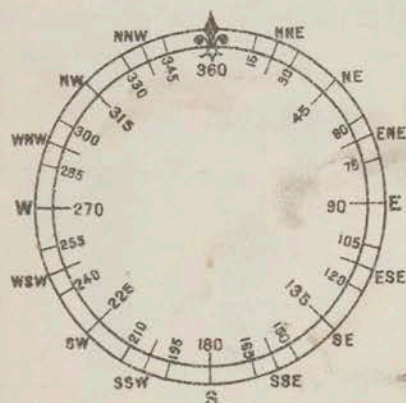
Dull—overcast with low heavy cloud.

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 made at Stations of the Royal Air Force and of the Meteorological Section, R.E., and also at the Observatories of the Office; supplemented by data from French Stations received by wireless from the Eiffel Tower.

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.

### THIRD QUARTER, JULY TO SEPTEMBER.

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

JULY.

AUGUST.

SEPTEMBER.

STATIONS.	PRESSURE 1906-1915. 7 a.m. Observations (reduced to M.S. Level).	AIR TEMPERATURE.								RAINFALL 1881-1915.		BRIGHT SUNSHINE. 1881-1915.		
		Means of			Absolute Extremes.									
		1906-1915.	1881-1915.		1881-1915.									
		Dry Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Maximum.		Minimum.			Days with Rain.	Total Fall.	Daily Mean.	Per Centage of Possible Duration.	
					Temp.	Year.	Temp.	Year.						
Lerwick	mb.	°F.	°F.	°F.	°F.		°F.			mm.	in.	hr.	%	
Stornoway	1012.5	51.7	57.0	48.2	70	1897, 1911	37	1888	17	58	2.20	—	—	
Castlebay (Barra Isd.)	1013.1	53.5	60.2	48.9	76	1894	32	1888	21	77	3.03	4.68	27	
Eskdalemuir	1013.2	54.4	58.7	51.6	73	1914	44	1913	18	69	2.70	5.42	32	
Malin Head	1014.8	53.8	62.8	46.9	83	1911	34	1914	16	90	3.56	5.10	31	
Blackod Point	1015.4	54.5	60.6	52.3	79	1911	42	1888, 1902	19	72	2.84	—	—	
Valencia	1014.8	56.1	62.2	51.2	80	1894	42	1898	21	80	13.15	—	—	
Roche's Point	1016.3	56.9	63.8	53.8	81	1911	40	1907	21	96	3.78	5.13	32	
Birr Castle	1016.5	56.6	64.7	53.7	76	1887, 1912	43	1907	15	73	2.88	—	—	
Donaghadee	1015.4	55.2	66.3	51.3	86	1911	37	1889	17	75	2.95	4.65	29	
Liverpool (Observatory)	1014.6	54.5	61.2	51.8	80	1887	40	1883, 1902	17	71	2.80	—	—	
Holyhead	1015.1	56.6	65.7	54.2	88	1901	45	1888, 1907, 13	15	66	2.59	6.03	37	
Pembroke (St. Ann's Hd.)	1015.1	56.9	63.3	53.6	85	1901	43	1888	16	66	2.61	5.87	36	
Seilly (St. Mary's)	1015.7	56.4	62.3	54.5	81	1911	43	1910	14	63	2.47	6.68	42	
Falmouth	1016.7	57.9	64.8	56.2	78	1911	47	1910	15	56	2.12	6.97	45	
Jersey (St. Aubin's)	1017.0	58.6	65.8	55.1	80	1885	46	1897	15	72	2.84	7.26	46	
Portland Bill	1017.4	60.2	68.3	56.4	87	1900, 1901	44	1907, 1909	13	53	2.10	7.94	51	
Dungeness	1016.2	58.5	64.5	55.8	79	1901, 1912	40	1900, 1907	11	44	1.74	—	—	
Dover	1015.6	59.1	66.6	55.1	82	1900	40	1890	12	46	1.81	—	—	
Wick	1015.5	59.7	66.7	55.8	87	1911	44	1913	14	56	2.19	6.77	43	
Nairn	1012.9	52.6	60.6	48.4	80	1899, 1901	36	1886	18	67	2.63	—	—	
Aberdeen	1013.0	53.8	64.3	49.1	85	1901	36	1906	18	68	2.68	4.52	27	
Leith	1013.5	55.1	62.8	50.3	83	1885	38	1898, 1903	17	71	2.81	5.13	30	
Tynemouth	1013.7	55.8	65.8	51.4	83	1901	41	1887, 88, 92, 1903	16	65	2.55	—	—	
Spurn Head	1014.2	55.8	64.2	51.3	82	1911	39	1909	14	61	2.40	—	—	
Yarmouth	1014.4	57.4	65.0	54.3	86	1911	44	1888	12	45	1.78	5.10	31	
Clacton-on-Sea	1014.8	58.1	66.2	54.7	87	1881	42	1890	13	59	2.34	6.45	40	
Nottingham	1015.5	58.8	67.7	54.7	83	1911	40	1902	12	49	1.92	—	—	
LONDON (Kew Obsy.)	1015.2	57.0	69.7	52.2	92	1881	37	1888	15	61	2.38	5.71	35	
Lerwick	1016.1	58.5	71.0	54.3	90	1881	43	1882, 1884	12	55	2.17	6.48	41	
Lerwick	1010.4	52.4	57.1	48.4	82	1910	38	1885, 95, 1909	20	76	3.01	—	—	
Stornoway	1011.4	53.3	60.0	49.0	75	1897, 1899	33	1888	22	101	3.97	4.29	28	
Castlebay (Barra Isd.)	1012.1	55.0	59.3	52.2	75	1911	44	1912	18	83	3.27	4.65	31	
Eskdalemuir	1014.0	51.8	61.8	46.5	79	1914	31	1912	18	122	4.79	4.19	29	
Malin Head	1011.8	55.0	61.0	52.8	80	1900	42	1912	21	90	3.52	—	—	
Blackod Point	1013.0	56.6	62.1	53.4	78	1899, 1911	42	1887, 88, 1912	22	116	4.58	—	—	
Valencia	1014.9	57.1	63.9	53.9	81	1899	42	1890, 1912	22	122	4.79	5.00	35	
Roche's Point	1015.3	56.8	64.5	53.7	78	1887	41	1912	18	96	3.78	—	—	
Birr Castle	1014.1	54.7	65.4	50.8	83	1911	35	1885, 1887	19	97	3.81	4.58	32	
Donaghadee	1013.2	54.5	63.1	51.9	78	1899	38	1886	19	84	3.32	—	—	
Liverpool (Observatory)	1014.0	56.7	65.0	53.9	87	1911	44	1885	17	78	3.08	5.58	38	
Holyhead	1014.0	57.5	63.4	54.0	86	1914	45	1888	17	81	3.18	6.06	42	
Pembroke (St. Ann's Hd.)	1014.8	57.4	62.8	55.1	82	1911	40	1912	16	80	3.15	6.16	43	
Seilly (St. Mary's)	1015.8	58.7	65.0	56.6	76	1911	48	1912	16	67	2.62	7.10	50	
Falmouth	1016.3	58.4	65.4	55.1	77	1909	44	1890	16	83	3.25	6.81	48	
Jersey (St. Aubin's)	1017.0	61.2	68.8	57.1	89	1893	45	1890, 1909	14	62	2.44	7.74	54	
Portland Bill	1015.6	59.7	65.2	56.5	83	1911	47	1912	12	54	2.12	—	—	
Dungeness	1015.4	59.7	67.3	55.3	82	1904	39	1890	11	50	1.98	—	—	
Dover	1015.6	59.9	67.1	54.2	89	1911	44	1913	14	58	2.27	6.87	48	
Wick	1011.2	52.6	60.6	48.2	85	1893	30	1886	21	70	2.75	—	—	
Nairn	1011.4	53.2	63.7	48.7	86	1899	33	1885, 91, 1904	19	61	2.41	4.43	28	
Aberdeen	1012.2	54.5	62.4	49.9	81	1882, 99, 1905	33	1885	18	70	2.74	4.84	32	
Leith	1012.4	55.5	65.4	51.2	85	1893, 1906	38	1881, 1892	17	75	2.94	—	—	
Tynemouth	1013.2	55.5	64.2	51.1	83	1893	38	1912	16	70	2.75	—	—	
Spurn Head	1013.8	57.7	65.1	54.4	87	1893	45	1909	14	54	2.11	5.55	38	
Yarmouth	1014.7	58.1	66.3	54.2	85	1893	41	1902	14	63	2.47	6.29	44	
Clacton-on-Sea	1015.3	59.1	67.5	54.9	85	1911	43	1908, 1915	14	47	1.86	6.87	48	
Nottingham	1014.5	55.8	68.4	51.2	94	1911	37	1908	16	63	2.49	5.42	37	
LONDON (Kew Obsy.)	1015.8	58.0	69.7	53.5	94	1911	41	1890	13	57	2.24	6.03	42	
Lerwick	1015.5	49.7	54.6	46.5	69	1898	34	1887, 1888	20	76	3.01	—	—	
Stornoway	1016.5	50.4	57.7	46.2	77	1906	32	1885, 1904	21	100	3.95	3.83	30	
Castlebay (Barra Isd.)	1016.5	52.8	56.9	50.2	68	1914	39	1913	16	70	3.27	4.00	32	
Eskdalemuir	1017.9	58.1	61.1	47.6	71	1914	27	1910, 11, 14, 15	12	60	2.36	4.27	34	
Malin Head	1016.9	52.9	58.9	50.6	84	1906	38	1886	17	67	2.62	—	—	
Blackod Point	1017.6	54.6	60.1	51.1	78	1899	39	1899	19	99	3.88	—	—	
Valencia	1018.4	54.1	61.8	51.3	79	1898, 1906	35	1899	18	105	4.14	4.43	36	
Roche's Point	1019.1	54.6	61.8	51.4	73	1895, 1906, 11, 13	39	1893	16	75	2.97	—	—	
Birr Castle	1018.5	50.9	62.1	47.0	80	1906	29	1899	15	58	2.29	4.20	34	
Donaghadee	1018.3	52.2	60.3	49.4	75	1906	36	1882, 94, 99, 1909	16	61	2.39	—	—	
Liverpool (Observatory)	1018.9	52.6	61.4	50.7	87	1906	39	1885, 1914, 15	15	61	2.41	4.47	36	
Holyhead	1018.5	54.9	61.0	51.8	77	1898	41	1912	15	68	2.68	5.00	45	
Pembroke (St. Ann's Hd.)	1018.6	54.7	60.8	52.8	74	1895	40	1885	14	69	2.73	5.00	40	
Seilly (St. Mary's)	1018.5	56.6	62.5	54.7	74	1911	44	1885, 88, 1912	15	62	2.45	5.60	45	
Falmouth	1019.3	55.1	62.1	52.7	75	1906	36	1885	15	74	2.91	5.43	44	
Jersey (St. Aubin's)	1019.3	57.7	66.0	54.6	89	1906, 1								

\* 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.  
Results for 2 " 1914-1915.

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





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

No. 21,498B TUESDAY, 1<sup>ST</sup> JULY, 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. Force 0-12.	Weather	TEMP. °F.	Humidity. % 0-100.	Visibility. Feet. 0-10.	Height of Low Cloud. Feet.	Low Cloud.	Upper Cloud	Sea	Barom. at M.S.L. m.b.	† Change in 3 hours.	WIND. Direc. Force 0-12.	Weather	TEMP. °F.	Humidity. % 0-100.	Visibility. Feet. 0-10.	Height of Low Cloud. Feet.	Low Cloud.	Upper Cloud	Sea					
									Form.	Amt. 0-10.	Form.	Amt. 0-10.									Form.	Amt. 0-10.	Form.	Amt. 0-10.			
13H. G.M.T. 30 <sup>TH</sup> JUNE														18H. G.M.T. OF 30 <sup>TH</sup> JUNE													
Houton B. (Orkney)	1003.3	+2	NNE	7	50.1	98	2	4500	St	10	-	5	1008.2	+5	ENE	3	53	76	5	3400	St	1	ac	1	3		
Esksdalemuir	1005.3	+1	WNW	2	47	75	7	2300	Nb	10	-	*	1003.5	-2	N	4	49	75	6	-	St	7	ac	2	*		
Stranraer	1008.7	0	NW	6	52	82	7	1500	Nb	9	-	*	1005.8	-3	WNW	4	48	98	6	1500	Nb	10	-	-	*		
Lough Foyle	1013.3	-2	NW	7	49	82	5	1500	St	10	-	6	1010.2	-4	WNW	7	48	98	4	4500	Nb	10	-	-	6		
Valencia (Cahire'n)	1017.7	-2	WNW	5	54	92	6	1500	St	10	-	4	1016.9	-3	N	5	53	82	7	1500	St	8	ac	1	4		
Anglesey (Llangefni)	1012.0	-2	WNW	3	56	65	7	1500	St	9	as	1	6	1009.1	-5	WNW	3	49	92	3	4500	Nb	10	-	-	6	
Falmouth	1016.3	-5	NW	4	58	65	6	-	WNW	9	-	*	1011.7	-5	NW	2	52	98	5	-	St	9	-	-	*		
Calshot (Hants)	1012.2	-4	W	4	56	75	8	3400	St	7	as	3	5	1009.4	-2	W	5	54	87	7	2300	St	10	-	-	4	
Capel (Folkestone)	1010.5	-3	WNW	3	52	65	8	-	St	8	-	5	1007.5	-3	W	2	54	65	6	-	St	10	-	-	4		
Aberdeen	1001.1	-2	NW	6	49	98	7	-	Nb	10	-	4	1005.0	+5	NE	4	55	75	8	-	St	1	-	-	3		
East Fortune	1003.8	-2	NW	3	49	85	6	3400	Nb	10	-	*	1003.8	+1	NE	2	51	92	6	2300	St	9	-	-	*		
Howden	1002.3	-2	WNW	3	54	65	6	3400	St	10	-	*	1000.5	-3	NW	2	52	82	6	1500	St	10	-	-	*		
Felixstowe	1008.1	-2	WNW	4	54	82	6	3400	St	10	-	4	1005.8	-3	WNW	4	56	87	5	5700	St	9	-	-	4		
Cranwell (Lincs)	1005.9	-2	W	5	55	75	6	2300	St	10	-	*	1003.6	-2	W	2	45	65	6	2300	St	7	-	-	*		
Bedford	1009.2	-3	W	2	54	65	3	3400	St	10	-	*	1006.8	-4	W	2	53	65	-	2300	St	10	-	-	*		
Benson	1009.4	-4	WNW	4	56	55	6	-	-	-	-	*	1007.5	-3	WSW	2	53	65	8	-	St	8	-	-	*		
London (Kew Obs.)	1010.1	-5	WNW	2	57	45	8	2300	St	8	-	*	1007.0	-4	W	3	60	55	7	-	St	10	-	-	*		
1H. G.M.T. OF 1 <sup>ST</sup> JULY														7H. G.M.T. OF 1 <sup>ST</sup> JULY													
Houton B. (Orkney)	1010.9	0	NNE	5	46	97	5	-	-	-	-	5	1010.5	0	N	6	45	97	2	1500	St	10	-	-	4		
Esksdalemuir	1006.1	+1	NNE	4	45	82	7	-	St	2	-	*	1006.1	+1	NNE	6	51	75	7	-	St	2	-	-	*		
Stranraer	1007.5	+1	-	0	45	98	-	3400	St	1	-	*	1007.7	+1	NNW	2	54	82	8	2300	St	1	ac	3	*		
Lough Foyle	1013.8	-2	WNW	6	52	*	*	*	*	*	*	*	1012.2	+2	NNW	3	50	97	5	1500	St	10	-	-	*		
Valencia (Cahire'n)	1013.8	-2	WNW	6	52	*	*	*	*	*	*	*	1012.6	+1	N	4	54	82	8	1500	St	8	-	-	3		
Anglesey (Llangefni)	1006.3	-1	NNE	2	49	92	-	1500	St	10	-	5	1006.3	+1	NNE	3	51	82	7	3400	St	3	ci	4	5		
Falmouth	1008.0	-3	WNW	3	52	75	5	-	WNW	9	-	*	1005.1	-2	NW	2	50	97	5	-	Nb	9	-	-	*		
Calshot (Hants)	1005.6	-4	W	2	49	98	8	2300	St	10	-	3	1021.0	-3	NW	1	49	97	6	2300	St	10	-	-	5		
Capel (Folkestone)	1004.2	-3	WNW	2	48	87	7	5700	St	3	as	2	4	?	0	NW	1	49	82	7	1500	St	5	as	4	2	
Aberdeen	1007.1	+1	N	3	48	92	6	2300	St	5	-	*	1007.2	0	NW	5	53	75	8	-	St	2	-	-	2		
East Fortune	1006.5	+1	N	3	47	-	-	5700	St	5	-	*	1007.2	0	NNE	3	52	75	6	4500	St	5	ac	2	*		
Howden	999.9	0	WNW	1	46	98	5	3400	St	3	-	*	999.5	-2	NW	3	49	92	4	2300	St	9	-	-	*		
Felixstowe	1003.4	-2	WSW	2	51	98	-	-	Nb	10	-	4	1001.9	0	WSW	2	48	97	4	-	Nb	10	-	-	4		
Cranwell (Lincs)	1002.1	-1	WNW	1	47	98	2	1500	St	10	-	*	1001.8	-1	NW	3	50	92	4	2300	St	6	as	3	*		
Bedford	*	*	*	*	*	*	*	*	*	*	*	*	1002.4	0	N	1	50	92	2	3400	St	10	-	-	*		
Benson	*	*	*	*	*	*	*	*	*	*	*	*	1001.5	0	-	0	47	97	3	-	Nb	10	-	-	*		
London (Kew Obs.)	1003.0	-1	W	2	50	*	*	*	*	*	*	*	1002.0	0	NW	1	49	92	4	-	St	8	ac	2	*		
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																											
STATIONS	Barom. at M.S.L. m.b.	TEMP. °F.	WIND. Direc. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.	WIND. Direc. Force 0-12.	Dirac. of Upper Cloud.	Weather	Sea 0-9.	Rainfall mm.	TEMP. Max. °F.		WEATHER.			Sunshine Hours.								
															Morning.	Afternoon.	Night.										
13H. G.M.T. OF 30 <sup>TH</sup> JUNE														7H. G.M.T. OF 1 <sup>ST</sup> JULY													
Lerwick	1008.3	54	NNE	3	1009.3	-2	53	+3	NNE	3	N	bc	3	55	47	cm	bc	bc	*								
Stornoway	1009.4	49	N	5	1013.2	0	51	+3	N	3	-	0	2	51	47	op	bc	op	0.0								
Castlebay (Barra Is)	1010.0	50	WNW	4	1012.6	0	51	+3	N	3	-	6	3	52	48	op	op	op	0.5								
Glasgow	1005.1	52	NW	2	1008.5	+1	54	+7	NNE	3	N	c	4	55	44	c-op	op	op	3.4								
Malin Head	1008.8	49	N	7	1010.6	+1	50	+1	NNW	4	N	cm	4	51	48	bcq	cm	bc	1.7								
Blackod Point	1014.7	52	WNW	5	1012.9	+2	51	+1	NNE	3	-	c	3	55	48	cm	bc	op	*								
Roche's Point	1013.9	56	WNW	4	1010.6	+1	52	0	N	4	N	6	3	59	50	op	bc	op	*								
Birt Castle	1013.2	54	NW	3	1012.4	*	53	+3	NW	1	NW	c	2	60	45	op	c	cp	4.3								
Donaghadee	1007.3	49	WNW	5	1008.6	0	52	+4	N	5	N	bc	4	55	47	bcq	op	bc	*								
Liverpool (Bidston)	1005.3	48	WNW	6	1005.5	+2	50	+1	N	2	-	0	2	52	47	op	op	op	0.0								
Lillyhead	1008.1	51	NW	6	1006.5	+1	52	+2	NNE	6	-	6	5	54	48	cg-op	gop	cm	6.6								
Pembroke (St. Ann's Head)	1010.9	53	W	4	1006.6	+2	51	+1	N	3	N	bc	3	55	49	cv	cv	c-op	5.2								
Grilly (St. Mary's)	1013.4	56	NW	5	1007.6	-1	51	-2	NNW	6	NNW	c	5	59	49	bc-op	op	op	2.4								
Jersey (St. Aubin)	1013.3	54	W	4	1004.6	-2	54	-1	NNW	3	-	p	3	60	52	bc-op	op	op	6.8								
Portland Bill	1010.6	56	W	4	1003.3	-3	52	-1	NW	5	-	op	4	59	49	c	bc	c-op	*								
Duneness	1007.1	55	WSW	6	1002.3	0	52	-3	W	3	SW	c	3	59	47	c	cg	c	*								
Wick	1007.1	53	N	3	1009.8	0	49	+3	NW	4	-	op	2	53	45	op	op	op	*								
Nairn	1006.8	53	NNW	2	1011.2	0	52	+5	NW	2	-	bc	2	53	40	op	bc	bc	3.7								
Leith	1003.9	51	NE	2	1006.8	0	54	+5	NNE	3	NE	c	3	54	47	cg	op	op	*								
Fynemouth	1002.1	49	NNW	4	1002.2	-2	51	+3	N	6	-	op	5	51	45	op	op	op	2.6								
Spurn Head	1002.0	51	NW	4	999.4	-1	51	+2	N	4	-	op	5	54	48	op	op	op	6.1								
Farmouth (Devon)	1005.1	53	WNW	4	1001.5	-2	47	-2	NNW	3	-	0	3	56	46	bcq	bcq	op	4.9								
Clacton-on-Sea	1006.2	55	WNW	4	1001.8	0	48	-3	NNW	3	NW	0	2	57	47	bc-op	op	op	1.6								
Nottingham	1005.0	50	WNW	4	1002.6	*	50	-1	N	3	NW	cp	3	56	47	op	op	op	*								

† Air Ministry Station.

\* Information for these columns not usually received.

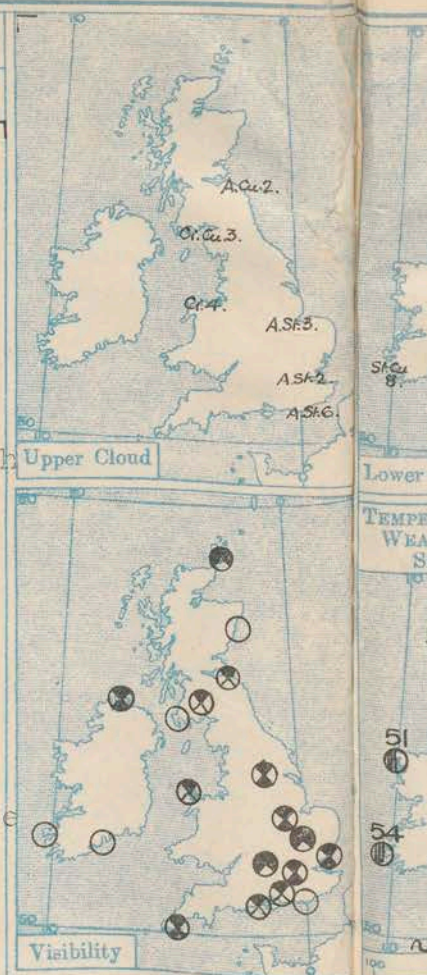
† The barometric change is expressed in half milliba.

§ Longside † at 11.



# SUMMARY OF CONDITIONS AT 7 A.M. Tuesday, 1st July, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	W NW. 5 10	Cool	Dull, some rain and mist.	Var.	Slight.
2. E. England	W NW. 10 15	"	Dull, some rain	Indiffer	Mod.
3. E. Midlands	N NW. 0 10	"	Dull, some rain and mist	Poor	
4. W. Midlands	N NW. 0 10	"	Cloudy, some showers	Var.	
5. S.W. England	N NW. 5 15	"	Dull, some showers	Ord.	Mod.
6. South Wales	N. 10	Rather	Fair or cloudy.	"	"
7. North Wales	NNE N. 15 25	Cool	Variable cloud	Good	Rather
8. N.W. England	N. 5 15	"	Variable cloud.	"	Slight
9. N. Midlands	N NW. 10 20	Rather	Cloudy	Var.	
10. N.E. England	NNE NNW. 15 25	"	Dull, some mist, showers & squalls	Indiff.	Rather
11. E. Scotland	" " 10 20	Mod.	Fine to cloudy.	Good.	rough
12. S.W. Scotland	" " 10 20	Rather	Fine to cloudy.	"	smooth.
13. Isle of Man	N NNE. 10 15	"	Fair to cloudy.	"	Slight
14. N. & N.W. Scot- land.	N NW. 5 10	"	Fair to overcast, some mist	Var.	"
15. Hebrides	N. 10	Moderate	Dull	Ord.	"
16. Orkneys and Shetlands	NE N. 10 20	"	Cloudy, some mist or fog	Poor	Moderate
17. N.W. Ireland	NNE NNW. 10 15	Rather	Dull, some mist	Ord.	"
18. N.E. Ireland	N. 15 20	"	Cloudy, some mist, squally	Var.	"
19. S.E. Ireland	N. 10 15	"	Variable cloud.	Good	Slight.
20. S.W. Ireland	N. 10 15	"	Fine to cloudy	V. Good	"



## GENERAL INFERENCE from observations received up to 10 a.m.

A depression has continued to move Southward over the North Sea, while a secondary depression has developed in the East and South of England. Much cloud with rain at times is probable over all the East and Southern districts, but in the North and West the conditions will be fairer. Temperature will remain very low for the time of year.

**EXPLANATION**  
 BAROMETER.—Isobars are drawn for intervals of five millibars.  
 WIND.—Direction is shown by arrow pointing with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in millimetres per hour by figures in small circles.  
 TEMPERATURE is given in degrees F.  
 WEATHER SYMBOLS.—  
 ○ clear sky. ○ sky & clouded.  
 ⊙ sky & clouded. ⊙ sky & clouded  
 ⊕ overcast sky. ⊕ rain falling.  
 \* snow. ▲ hail. = fog. = mist  
 T thunder. E thunderstorm.  
 SEA DISTURBANCE.—  
 Rough High

Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 1st July, 1919.
1. S.E. England	Wind mainly North, light or moderate. Very cloudy or overcast generally, occasional rain. Very cool for time of year.
2. E. England	
3. E. Midlands	
4. W. Midlands	Wind mainly North, light or moderate. Variable sky, local showers. Little change of temperature.
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	Wind North west or North, light or moderate. Cloudy or variable sky, some showers.
9. N. Midlands	
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Wind Northerly, light or moderate. Fair generally, very cool.
13. Isle of Man	
14. N. & N.W. Scot- land	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

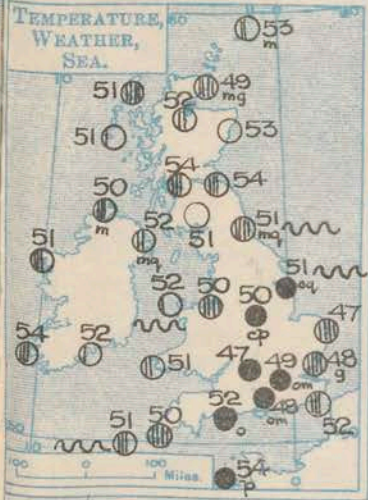
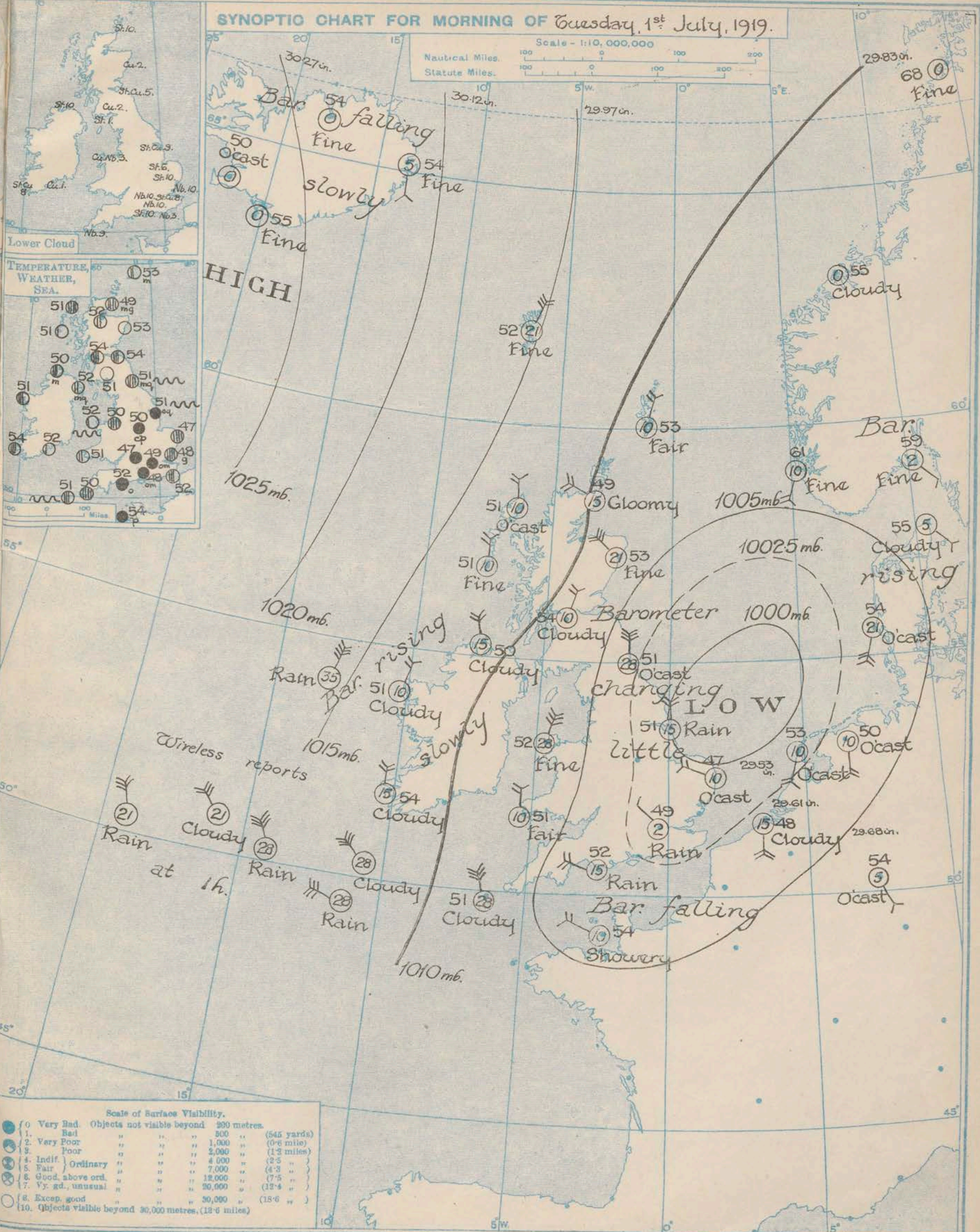
## Further Outlook.

The wind will vary between NW. and NE., the weather remain unsettled especially in the E. & SE., and the temperature low for the time of year.



# SYNOPTIC CHART FOR MORNING OF Tuesday, 1<sup>st</sup> July, 1919.

Scale - 1:10,000,000  
Nautical Miles. 100 0 100 200  
Statute Miles. 100 0 100 200



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. 182 B

TUESDAY  
1<sup>ST</sup> JULY 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 30 <sup>TH</sup> JUNE																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-20h. 29°	Day, 9h-17h. 30°	to 17h. 29°	Sunrise to Sun- set. 29°			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-20h. 29°	Day, 9h-17h. 30°	to 17h. 30°	Sunrise to Sun- set. 29°
Scotland.	Banff ... ..	or.	r.bc	53	45	9	9	1.0	0.1	England, N.W.	Southport ... ..	og.cq	og.tq.	54	50	-	0.1	0.5	10.7
	Montrose ... ..	-	-	56	46	-	-	0.4	-		BLACKPOOL ... ..	-	-	55	48	-	-	0.9	-
	St. Andrews ... ..	-	-	55	45	-	1	1.3	-		DOUGLAS ... ..	-	-	52	46	-	-	?	-
	OBAN ... ..	or.o.	o	51	45	1	1	0.1	-										
England, N.E.	Harrogate ... ..	b.bc.o	op.	56	40	1	0.1	3.4	7.9	Midlands.	Buxton ... ..	bc	bc.r.d.	48	43	1	0.1	0.2	-
	Skegness ... ..	bc.o	o.	58	42	0.4	-	6.5	-		Leamington Spa... ..	o	o	58	46	4	-	0.5	-
											Malvern ... ..	c	c	55	46	-	trace	0.3	-
											Ross-on-Wye ... ..	c.op.o	p.o.c.p.o	62	46	-	0.1	2.8	5.2
England, E.	Felixstowe ... ..	b	bc	57	46	-	-	5.3	5.9	Wales.	Rhyl ... ..	2r.	2r.	55	47	0.3	1	0.3	6.1
	Walton-on-Naze... ..	-	-	-	-	-	-	-	-		Colwyn Bay ... ..	-	-	53	49	-	-	0.6	5.7
	Southend-on-Sea... ..	bc.o	o	58	44	-	-	3.7	5.5		Llandudno ... ..	o	o	54	47	2	-	0.9	4.5
	FOLKESTONE ... ..	-	-	57	45	-	-	3.4	5.4		Aberystwyth ... ..	o.c	c.bc.o	53	50	-	-	3.0	-
England, S.E.	BRIGHTON ... ..	-	-	58	40	-	-	0.9	9.2	England, S.W.	ILFRACOMBE ... ..	o.c.	c.bc.c	56	51	-	-	2.8	-
	Margate ... ..	bc.c	c	57	49	-	-	2.9	-		PAIGNTON ... ..	-	-	58	47	-	-	2.7	1.3
	Ramsgate ... ..	bc	bc	56	46	-	-	3.3	5.1		Weymouth ... ..	o.c	c.	61	48	-	-	1.4	-
	Hastings ... ..	b.bc.o	o.c	59	44	-	-	3.0	7.3		Torquay ... ..	o.c	o.c	57	47	-	-	3.5	8.2
	Eastbourne ... ..	bc.	c.o	58	46	-	-	3.2	10.3		Penzance ... ..	bc.	c.or.c	59	54	-	2	3.5	11.7
	Worthing ... ..	c	c	60	46	-	-	2.9	7.0		Newquay ... ..	bg	c.od.	58	51	-	0.2	5.5	11.0
	Littlehampton ... ..	bc.	bc.c.o	58	45	-	-	3.2	7.9		Weston-s-Mare ... ..	c.bc	bc.c	58	49	-	-	2.0	-
	Bournemouth ... ..	-	-	61	47	-	-	4.5	5.5		BUDE ... ..	c	c	60	50	-	-	6.4	-

SUMMARIES FOR PAST 24 HOURS.															
STATIONS.		WEATHER.				TEMP.		RAINFALL.		Sun.		BEAUFORT NOTATION.			
		7h-13h. 29°	13h-18h. 30°	18h-24h. 31°	1h-7h. 31°	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Day, 7h-13h.	Night, 18h-7h.	Hours.	THE BEAUFORT SCALE OF WIND FORCE.			
†Houton Bay (Orkney)...		r.y	po.bc	b.bc.2	f.r	53	42	*	*	*	*	<b>BEAUFORT NOTATION.</b> 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.                      i 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.			
Eskdalemuir ...		bc.co	o.or.o	o.c.bc.b	b	51	43	40	0.4	-	3.9				
†Stranraer ...		c.og.	o.r.	b.bc	b.bc	54	44	*	*	*	*				
†Lough Foyle ...		c	po.q	-	c.o	53	46	*	*	*	*				
Valencia (Cahirveen) ...		odp	od.p	c.o.c	-	56	51	48	1	-	1.5				
†Anglesey (Llangefni) ...		of.	og	r.o	c.o.bc	56	46	*	*	*	*				
Falmouth ...		b.bc.o	od.c	o	or.o	60	48	46	1	3	4.6				
†Calshot (Hants) ...		cq	b.o	po	r.	61	46	*	*	*	*				
†Capel (Folkestone) ...		r.c.o	c.v.	cv	r.	59	43	*	*	*	*				
Aberdeen ...		org	or.bc.b	b.c.c.b	-	56	45	45	7	-	5.0				
†East Fortune ...		p.q	q.p.	b.bc	-	54	46	*	*	*	*				
†Howden ...		pd.og	q.r.	r.c.	p.c	60	40	*	*	*	*				
†Felixstowe ...		cq.	og	og	o.r.	60	46	*	*	*	*				
†Cranwell (Lincs) ...		c.o	f.p.th	o.r.	r.o	60	45	*	*	*	*				
†Bedford ...		omq.	om.	-	om.r.	59	43	*	*	*	*				
Benson ...		oc	c	-	o.r	60	46	41	-	5	7.				
London (Kew Obsy.) ...		o.c	o.c	o.or.o.omr	-	60	48	45	-	3	2.2				

LONDON OBSERVATIONS.										SOUTH KENSINGTON (Meteorological Office).			TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.											
WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %																
Morning	Afternoon.	Night.	15 h.		9 h.																			
24 HOURS ENDED 9h G.M.T. ... 1 <sup>ST</sup> JULY							YESTERDAY.	TODAY.		Vertical Component of Solar Radiation per Square Centimetre during yesterday														
Greenwich (Royal Observatory)	o	or	odr.	62	46	45	3	2.9	55	89	Stations.			Sunrise.			Noon.			Sunset.				
City (Bunhill Row)	*	*	*	*	*	*	*	*	*	*														
Westminster (St. James's Park)	*	*	*	60	47	45	4.8	2.6	68	90	Yarmouth ...			3.35			11.56			8.17				
" (Admiralty Arch)	og	obcqp	oporm	60	47	*	4.5	3.0	61	87														
Camden Sq. (British Rainfall)	bco	co	*	62	47	47	6.0	2.1	51	82.	Greenwich ...			3.46			12.3			8.18				
Kensington Palace	o	odr	*	59	47	46	4.7	*	59	82.														
Richmond Park	*	*	*	*	*	*	*	*	*	*	Wick ...			3.11			12.15			9.19				
										Total ... 992 ... Joules.			Valencia ...			4.27			12.44			9.2		
										Average Rate. 16.7														
										Maximum Rate. 8.2.														

## NOTES ON THE WEATHER OF YESTERDAY.

Very little sunshine was recorded over the Kingdom generally. Many stations had less than 1 hour, and at most places the figure was less than 4 hours. Rain fell generally, but the quantity was not large, the highest value being 9 mm. at Nairn. Temperature remained below 60° generally, below 55° over a large area in the North, and only touched 48° at Buxton.





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

No 21041B WEDNESDAY, 2nd JULY 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 19h.

STATIONS.	13H. G.M.T. OF 1st														18H. G.M.T. OF 1st													
	Barom. at M.S.L. m.b.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather	Temp. °F.	Humidity %	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Alt. 0-10.	Upper Cloud Form.	Alt. 0-10.	Sea 0-0.	Barom. at M.S.L. m.b.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather	Temp. °F.	Humidity %	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Alt. 0-10.	Upper Cloud Form.	Alt. 0-10.	Sea 0-0.
Houton B. (Orkney)	1010.2	0	N	2	c	57	87	4	2-3000	St Cu	7	Al Cu	1	3	1010.8	+1	NE	2	7	54	98	4	1-1000	St	8	Al St	2	5
Eskdalemuir	1004.2	-2	NNE	6	o	58	55	8	3-4000	Cu	8	Al St	1	*	1005.2	+1	NNE	6	op	52	75	6	2-3000	St	10	-	-	*
Stranraer	1006.1	-2	NW	5	v	60	65	8	2-3000	Cu	3	Al Cu	2	*	1005.4	-1	NW	3	c	59	75	8	2-3000	St	4	Al Cu	3	*
Lough Foyle	1013.2	+1	NW	4	v	59	75	10	3-4000	cu	3	-	-	3	1010.0	-2	NW	4	o	52	92	5	1-1500	St Cu	10	-	-	3
Valencia (Cahire'n)	1013.2	+1	NW	4	v	59	75	10	3-4000	cu	3	-	-	3	1012.4	-1	NW	5	v	57	65	10	3-4000	Cu St	5	Al Cu	1	3
Anglesey (Llangefni)	1005.2	-2	NW	4	bc	59	65	7	3-4000	St Cu	2	Al St	2	5	1004.7	0	NNE	3	o	53	82	6	5-7000	Al Cu	10	-	-	5
Falmouth	1007.2	+3	NW	6	c	59	65	6	-	Cu	5	Al St	3	*	1007.1	0	NW	6	b	59	75	6	-	Cu	1	Al St	1	*
Calshot (Hants)	1002.9	+1	N	2	f	51	98	4	1-1000	Nb	10	-	-	5	1002.8	0	WSW	1	T	51	98	2	4-500	Nb	10	-	-	4
Capel (Folkestone)	1002.0	+1	SW	2	T	52	92	8	3-4000	St Cu	10	-	-	4	1001.0	-1	WSW	2	T	52	92	8	1-1500	St	10	-	-	3
Aberdeen	1008.0	0	N	4	b	59	65	8	-	Cu	3	-	-	3	1008.4	0	NE	4	b	58	55	8	-	-	-	Al Cu	2	3
East Fortune	1007.0	0	NE	5	q	55	75	6	5-7000	St Cu	5	Al St	2	*	1006.9	0	NE	5	q	53	82	6	3-4000	St Cu	2	Ci	5	*
Howden	997.0	-1	N	4	T	50	92	5	1-2000	St Cu	10	-	-	*	996.9	0	NE	3	o	54	75	6	1-1500	St Cu	9	-	-	*
Felixstowe	1000.1	0	SSW	2	o	57	87	6	5-7000	St Cu	6	Al St	3	4	1001.4	-1	SW	2	o	54	98	5	-	Al Cu	8	-	-	3
Cranwell (Lincs)	999.3	-3	NW	3	o	55	87	7	2-3000	St Cu	7	Al St	2	*	998.9	+4	NW	1	c	55	87	7	3-4000	St Cu	5	Al St	3	*
Bedford	1001.1	-1	W	1	om	55	75	-	2-3000	St	7	-	-	*	1000.0	-2	NW	1	T	52	82	3	2-3000	St	10	-	-	*
Benson	1001.1	-1	NW	2	T	52	92	4	-	-	-	-	-	*	1000.3	-2	NW	3	o	52	82	5	-	Cu	8	-	-	*
London (Kew Obs.)	1001.7	0	NW	3	o	56	65	7	-	St Cu	7	Al St	2	*	1000.4	-1	SW	2	T	53	87	5	-	St Cu	7	Al St	2	*
1H. G.M.T. OF 2nd														7H. G.M.T. OF 2nd														
Houton B. (Orkney)	1011.7	+1	-	o	T, f	50	98	3	1-1000	St	5	Al St	5	-	1012.9	+2	-	o	of	51	97	3	-	St	4	Al St	2	*
Eskdalemuir	1007.7	+1	NNE	4	om	47	92	4	1-2000	Nb	9	Al St	1	*	1009.2	+3	NNE	4	o	50	85	6	1-2000	St Cu	10	-	-	*
Stranraer	1014.4	0	NW	3	bc	52	*	*	*	*	*	*	*	*	1008.9	+2	NNE	4	o	53	87	7	3-1000	St Cu	8	-	-	*
Lough Foyle	1014.4	0	NW	3	bc	52	*	*	*	*	*	*	*	*	1012.0	+1	NNE	3	o	52	55	5	1-1000	St	5	Al St	3	*
Valencia (Cahire'n)	1014.4	0	NW	3	bc	52	*	*	*	*	*	*	*	*	1012.9	+2	N	2	o	55	75	7	2-3000	St Cu	8	-	-	3
Anglesey (Llangefni)	1005.6	+1	NE	2	o	50	92	-	2-3000	Cu	10	-	-	4	1006.9	+2	NE	4	o	53	87	6	2-3000	St Cu	10	-	-	5
Falmouth	1007.4	0	SW	4	o	49	98	4	-	Cu St	9	-	-	*	1007.9	+1	NW	4	o	54	92	5	-	Nb	9	-	-	*
Calshot (Hants)	1002.3	0	W	1	o	48	92	8	2-3000	St	10	-	-	3	1002.8	+1	NW	3	o	52	97	4	1-2000	St	10	-	-	*
Capel (Folkestone)	1001.3	0	NW	2	o	48	98	7	-	St	10	-	-	3	1002.4	+2	NW	3	f	49	97	4	3-4000	St	10	-	-	3
Aberdeen	1009.5	+1	-	o	bc	45	98	5	2-3000	St	6	-	-	*	1011.8	+2	NE	3	om	53	87	4	-	St	10	-	-	3
East Fortune	1000.7	+2	NE	1	c	50	92	5	2-3000	St Cu	6	Al Cu	2	*	1000.0	+2	NE	4	om	50	97	4	1-1000	St Cu	10	-	-	*
Howden	1001.4	0	ENE	1	o	49	98	-	-	Cu St	10	-	-	6	1001.7	+2	NNE	3	d	51	92	4	1-2000	St Cu	10	-	-	*
Felixstowe	1001.8	+2	N	2	o	49	98	4	2-3000	St	10	-	-	*	1002.7	+1	N	2	o	54	87	6	5-7000	St Cu	6	Al St	3	3
Cranwell (Lincs)	1001.8	+2	N	2	o	49	98	4	2-3000	St	10	-	-	*	1003.4	+2	N	3	T	50	97	3	1-1000	Nb	10	-	-	*
Bedford	1001.8	+2	N	2	o	49	98	4	2-3000	St	10	-	-	*	1003.1	+2	N	2	om	52	87	8	1-1000	St	10	-	-	*
Benson	1001.3	0	WNW	2	o	51	*	*	*	*	*	*	*	*	1002.8	+3	NW	1	o	51	97	3	-	Cu	9	-	-	*
London (Kew Obs.)	1001.3	0	WNW	2	o	51	*	*	*	*	*	*	*	*	1002.9	+3	NW	1	om	53	92	4	-	St Cu	7	Al Cu	2	*
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																												
STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Change in 3 hours.	Temperature. Temp. °F.	Change in 24 hours.	Wind. Direc.	Force 0-12.	Dir. of Upper Cloud.	Weather.	Sea 0-0.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Morning.	Afternoon.	Night.	Sunshine Hours.							
	18H. G.M.T. OF 1st														7H. G.M.T. OF 2nd													
Lerwick	1011.6	52	-	o	om.	1012.7	+2	53	0	SSE	1	-	bc	0	1	56	47	om	omp.	f	*							
Stornoway	1011.6	52	NNE	3	o	1012.2	+1	50	-1	NE	1	-	odp	0	1	53	49	o.	od. po.	odp.	0.1							
Castlebay (Barra's)	1010.6	52	N	4	c	1011.8	0	52	-1	N	3	-	o	-3	2	54	50	b.o.	o.c	bc.op.o	5.5							
Glasgow	1007.0	59	NE	3	c	1010.6	+2	52	-2	ENE	3	N	c	*	-	67	50	c.bc.v	bc.v	c.on	12.0							
Malin Head	1008.8	52	N	5	bcq	1010.3	+1	52	+2	NNE	2	N	om	3	1	53	50	bcq	bcq	cmp	8.0							
Blacksod Point	1011.7	54	N	4	ogv.	1011.8	0	52	+1	N	3	-	od	3	0.3	58	50	bc.v	cgv.	og.o	*							
Roche's Point	1009.6	61	NW	5	b	1010.5	0	52	0	N	3	-	o	2	-	61	49	bc.v	bc.v	b.o	*							
Birr Castle	1009.5	58	NW	3	c	1010.9	+2	50	-3	NW	1	-	m	*	-	61	40	c	c	c.2	12.5							
Donaghadee	1009.5	58	NW	3	c	1010.9	+2	53	+1	NE	4	NE	cgv	*	-	62	52	bc	c	bcgv	*							
Liverpool (Bardon)	1002.0	52	N	3	bc	1006.4	+4	50	0	N	2	-	o	2	8	57	49	op.	bc.	or	1.6							
Holyhead	1004.7	53	N	5	cgv.	1007.3	+1	54	+2	NE	5	NE	cgv	4	1	58	51	b.bc.b	bc.cp	cgv	6.3							
Pembroke (St. Ann's Head)	1006.3	55	W	4	cv.	1007.5	+3	52	+1	NW	3	-	o	3	-	59	50	cgv.	bcqv.	cv.c.o	9.8							
Seilly (St. Mary's)	1009.5	58	WNW	5	b	1009.5	0	55	+4	NW	4	NW	c	4	-	60	50	c.	c.bc.b	bc.c	11.1							
Jersey (St. Aubin)	1005.0	56	WNW	4	c	1006.5	0	55	+1	W	5	-	o	3	6	58	50	p.op.c	c.bc	op.o	3.5							
Portland Bill	1003.0	52	NW	5	orl.	1004.4	+2	54	+2	NW	4	NW	c	3														



# SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 2nd July, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-W. 0-10 N. 5-10	Cool Rather	Dull, some mist and rain.	Indiff. Var.	Slight
2. E. England	N. 0-10	"	Overcast, some mist.	"	"
3. E. Midlands	NE-NW. 0-10	"	Dull.	Indiff.	"
4. W. Midlands	NW. 10-15	"	"	Ord.	Moderate.
5. S.W. England	N-NNW. 5-15	"	"	"	Slight.
6. South Wales	N-NE. 10-20	"	" local squalls.	Good	Moderate.
7. North Wales	N-NE. 5-15	Cool	Overcast.	Ord.	Slight
8. N.W. England	N-NE. 5-10	"	Dull, slight rain.	"	"
9. N. Midlands	N-NE. 10-15	Rather	Dull, some rain & mist.	Indiff.	Moderate.
10. N.E. England	NE. 0-10	"	misty.	"	Slight.
11. E. Scotland	ENE-NE. 10-15	"	"	Good	"
12. S.W. Scotland	NE. 5-15	Moderate	"	"	Moderate
13. Isle of Man	Var 0-5.	Rather	Cloudy, some fog.	Var.	Smooth.
14. N. & N.W. Scotland	N-NE. 0-10	Moderate	Dull, slight rain.	Ord.	"
15. Hebrides	Var. 0-5	"	Fair to overcast, misty.	Poor	Calm
16. Orkneys and Shetlands	N. 5-10	Rather	Dull, some mist & drizzle.	Var.	Slight.
17. N.W. Ireland	N-NE. 5-15	Moderate	Cloudy.	Ord.	Moderate.
18. N.E. Ireland	N-NE. 5-15	Rather	Dull, misty.	Var.	Slight.
19. S.E. Ireland	N. 5-10	"	Overcast.	V. Good	"
20. S.W. Ireland					

GENERAL INFERENCE from observations received up to 10 A.M.

A depression lies over Holland and the Southern North Sea.  
Winds between North-west and North-east are probable over the  
British Isles with cool weather.

**EXPLANATION.**  
BAROMETER.—Isobars are drawn at intervals of five millibars.  
WIND.—Direction is shown by arrow flying with the wind. Force, on the 0-12, is indicated by the number of feathers. Mean velocity is shown in m.p.h. by figures in small circles.  
TEMPERATURE.—Is given in degrees F.  
WEATHER SYMBOLS.—  
○ clear sky. ○ sky & clouded.  
⊙ sky & clouded. ⊙ sky & clouded.  
⊙ overcast sky. ⊙ rain falling.  
✱ snow. ▲ hail. ≡ fog. ≡  
T thunder. E thunderstorm.  
SEA DISTURBANCE.—  
Rough High

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday, 2nd July.	Further Outlook.
1. S.E. England	Light or moderate wind between NW. and NE. Cloudy, some showers. Cool.	Conditions remaining unsettled.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales		
7. North Wales	Moderate winds between N. and NE. Cloudy, some showers. Cool.	
8. N.W. England		
9. N. Midlands		
10. N.E. England		
11. E. Scotland	Light NE. or E. winds. Cloudy or dull, some showers. Some mist or fog. Cool.	
12. S.W. Scotland		
13. Isle of Man		
14. N. & N.W. Scotland		
15. Hebrides	Light or moderate winds between N. and NE. Cloudy, some showers. Mist locally. Cool.	
16. Orkneys and Shetlands		
17. N.W. Ireland		
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		







# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 163. B

Wednesday,  
2nd July

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 1st July																			
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. F.	Min. F.	Night, 17h-9h, 30h.	Day, 9h-17h, 1st.	to 17h, 1st.	Sunrise to Sunset, 30h.			Forenoon.	Afternoon.	Max. F.	Min. F.	Night, 17h-9h, 30h.	Day, 9h-17h, 1st.	to 17h, 1st.	Sunrise to Sunset, 30h.
Scotland.	Banff ...	c	bc	55	46	-	-	2.2	4.0	England, N.W.	Southport ...	c.c.o.	or.c.c.o.	57	?	3	3	?	0.5
	Montrose ...	-	-	-	49	-	-	10.7	3.6		BLACKPOOL ...	-	-	60	45	3	2	4.0	0.9
	St. Andrews ...	-	-	-	-	-	-	-	-		DOUGLAS ...	-	-	61	45	5	1	9.6	?
	OBAN ...	b.bc	bc	60	44	-	-	8.9	1.8										
England, N.E.	Harrogate ...	c.op	or	55	44	3	4	0.3	3.4	Midlands.	Buxton ...	bc.c.	bc.c.	50	44	9	12	0.5	0.2
	Skegness ...	m.our.	or.bc	54	47	5	6	2.6	6.5		Leamington Spa ...	or.	or.	53	46	5	2	1.0	0.5
											Malvern ...	c	c	58	41	4	1	1.0	0.3
											Ross-on-Wye ...	op.	p.c.tg.	62	45	5	1	0.9	2.8
England, E.	Felixstowe ...	o	bc	57	47	-	-	1.0	5.4	Wales.	Rhyl ...	bc.	cp.bc	57	47	7	2	3.2	0.3
	Walton-on-Naze ...	-	-	-	-	-	-	-	-		Colwyn Bay ...	-	-	59	49	3	1	5.4	0.6
	Southend-on-Sea ...	orm.	opm	60	47	1	0.3	0.0	3.7		Llandudno ...	c.b	cp.	60	48	7	2	5.2	0.9
	FOLKESTONE ...	-	-	57	47	-	0.1	0.9	3.5		Aberystwyth ...	r.o.c	b.bc	58	52	?	?	9.0	3.0
England, S.E.	BRIGHTON ...	-	-	54	48	1	2	0.0	0.9	England, S.W.	PAIGNTON ...	c.op	bc.p.	61	48	0.2	0.2	0.6	5.3
	Margate ...	c.	p.	55	48	-	0.2	0.0	2.9		ILFRACOMBE ...	c.	c.b.c	60	50	2	1	5.9	2.8
	Ramsgate ...	-	-	55	47	-	2	0.5	3.3		TEIGNMOUTH ...	c.bc.	c.b.c	61	49	0.4	1	2.2	-
	Hastings ...	op.	o	55	44	0.2	0.4	0.0	3.0		Weymouth ...	p.op.o	o	62	48	3	2	1.5	1.7
	Eastbourne ...	or.	o	56	46	0.1	1	0.0	3.5		Torquay ...	p.	p	60	49	1	1	2.8	3.5
	Worthing ...	re.	pc.	56	46	0.1	2	0.6	2.9		Penzance ...	c.bc	bc.b	61	50	5	-	9.3	3.7
	Littlehampton ...	p.	p.	57	45	-	4	0.8	4.3		Newquay ...	bc	bc	58	49	5	-	8.6	6.1
	Bournemouth ...	-	-	50	47	1	1	1.3	4.5		Weston-s-Mare ...	bc.c	c.b.c	61	48	1	3	2.5	2.0
											BUDE ...	r.c.bc	bc	59	50	3	-	9.3	7.3

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										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, i 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.		
	WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.		Sun. Hours.		No.	Limits of Velocity.	
	7h-13h 1st.	13h-18h 1st.	18h-1st 2nd.	1h-7h 2nd.				Day, 7h-13h.	Night, 13h-7h.				Statute miles per hour.	Metres per second.
†Houton Bay (Orkney)...	c.z.	c.z.	T <sub>1</sub> fz	ef.em	56	45	*	*	*	*	0	Less than 1	Less than 0.3	
Eskdalemuir ...	bc.c.	bc.c.	o.orm	adm.c	59	47	46	-	3	9.6	1	1-3	0.3-1.5	
†Stranraer ...	b.bc	bc.cq	c	c.o	62	49	*	*	*	*	2	4-7	1.6-3.3	
†Lough Foyle ...	-	-	-	-	-	-	-	-	-	-	3	8-12	5.4-5.4	
Valencia (Cahirveen) ...	c.o.b.v.	b.b.c.	bc	c bc c	60	51	48	-	-	3.6	4	13-18	5.5-7.9	
†Anglesey (Llangefni) ...	bc.cq	or.	cq	o	60	49	*	*	*	*	5	19-24	8.0-10.7	
Falmouth ...	or.	cq.b.c.	or.	og	61	48	45	1	6	9.1	6	25-31	10.8-13.8	
†Calshot (Hants) ...	c.or.	b.op.	r.	c.o.orm	56	46	*	*	*	*	7	32-38	13.9-17.1	
†Capel (Folkestone)...	c.op	ov.	op.	c.d	55	46	*	*	*	*	8	39-46	17.2-20.7	
Aberdeen ...	bc.c.	bc.	b.bc	o.m	61	50	48	-	-	11.6	9	47-54	20.8-24.4	
†East Fortune ...	q.b.c.	q.b.c.	zq.	z.p	58	48	*	*	*	*	10	55-63	24.5-28.4	
†Howden ...	efz	q.pz	cp.	p.o	56	45	*	*	*	*	11	64-75	28.5-33.5	
†Felixstowe ...	c.op.	c.or.	p.tho	c.op	57	49	*	*	*	*	12	Above 75	33.0 or above	
†Cranwell (Lines) ...	r.t.	p.u.	c.o	o.r	56	47	*	*	*	*				
†Bedford ...	omp.	p.om	o.m	*	58	48	*	*	*	*				
Benson ...	opt	bc.	*	*	56	44	33	8	2	*				
London (Kew Obsy.) ...	omf.orm	c.or.	or.orm	om	59	47	45	3	3	0.8				

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	Humidity %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.					
				24 HOURS ENDED 9h G.M.T. 2 <sup>nd</sup> July.				YESTERDAY.					TO-DAY.	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	2 <sup>nd</sup> & 3 <sup>rd</sup> July, 1919.
												Stations.	Sunrise.	Noon.	Sunset.
Greenwich (Royal Observatory)	o	or	o.or.o	61	48	45	6	0.6	93	82	Total ..... 9.20 ..... Joules.  Average Rate, 15.5 Maximum Rate, 77	Yarmouth...	G.M.T.	G.M.T.	G.M.T.
City (Bunhill Row) ...	*	*	*	*	*	*	*	0.4	*	*			G.M.T.	G.M.T.	G.M.T.
Westminster (St. James's Park)	*	*	*	60	49	46	4	0.7	75	86			G.M.T.	G.M.T.	G.M.T.
.. (Admiralty Arch)	omd	omp	omp	60	49	*	3	1.2	72	93			G.M.T.	G.M.T.	G.M.T.
Camden Sq. (British Rainfall)	o.bc	bc.op	*	64	49	48	4	0.9	69	73			G.M.T.	G.M.T.	G.M.T.
Kensington Palace ...	o	o.or	*	59	47	46	7	*	*	85	Wick ...	Valencia ...	G.M.T.	G.M.T.	G.M.T.
Richmond Park ...	*	*	*	*	*	*	*	*	*	*			G.M.T.	G.M.T.	G.M.T.

## NOTES ON THE WEATHER OF YESTERDAY.

Temperatures continued low. The highest maximum reported was 66° from Roche's Point in Ireland.

Little or no sunshine occurred in South-east England and the Midlands. Elsewhere sunshine records were very variable. Carr Castle, in Ireland reported 12.5 hours sunshine, Glasgow 12 hours and Seilly over 11 hours.

Rain or showers occurred in most parts of England during the day and in the Hebrides and Orkneys. Portland Bill reported 10 mm. of rain.

† Air Ministry Station.

\* Information for these columns not usually received.





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

No. 21042B THURSDAY, 3RD JULY, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 19h.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 19h.																													
STATIONS.	Barom. at M.S.L.	Change in 3 hours.	WIND.	Weather.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.	Barom. at M.S.L.	Change in 3 hours.	WIND.	Weather.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.							
	m.b.		Force 0-12.		°F.	%	0-10.	Feet.	Form.	Amt. 0-10.	0-9.	m.b.		Force 0-12.		°F.	%	0-10.	Feet.	Form.	Amt. 0-10.	0-9.							
	13H. G.M.T. 2nd											19H. G.M.T. OF 2nd																	
Houton B. (Orkney)	1010.5	+1	SE	3	b	55	87	6	2-3000	Cu	1	AS	3	2	1013.4	+1	NE	3	b	56	85	6	-	-	AS	1	2		
Esksdalemuir	1010.4	+2	NNE	4	o	56	85	7	2-3000	Cu	10	-	-	*	1011.0	+1	NNE	4	o	54	75	6	5-7000	Cu	8	AS	1	*	
Stranraer	1010.7	+2	-	o	o	61	85	8	3-4000	Cu	10	-	-	*	1011.6	+1	NNE	2	2	56	87	6	4-5000	ST	4	AS	1	*	
Lough Foyle	1012.4	o	NE	2	b	59	85	5	-	-	AS	3	1	*	1013.4	+1	N	2	bc	55	87	5	-	-	AS	4	1		
Valencia (Cahire'n)	1014.1	+2	NW	4	c	58	82	8	1-1000	Cu	7	AS	1	3	1014.2	o	NNE	3	o	55	92	8	1-1000	Cu	6	AS	3	3	
Anglesey (Llangefeli)	1009.2	+2	NE	2	o	57	75	6	3-4000	ST	10	-	-	5	1010.3	+1	NE	1	c	59	75	6	5-7000	ST	6	AS	2	5	
Falmouth	1010.5	+4	NW	5	c	59	85	6	-	Cu	7	-	-	*	1011.7	+1	NW	5	bc	59	85	6	-	Cu	6	-	-	*	
Calshot (Hants)	1006.6	+3	-	o	AS	57	87	4	3-4000	ST	10	-	-	3	1006.1	+2	NW	3	o	57	92	5	5-7000	ST	10	-	-	3	
Capel (Folkestone)	1004.6	+2	W	1	o	54	87	5	1-1000	ST	7	AS	2	2	1006.0	+2	WNW	2	bc	56	82	5	3-4000	Cu	3	AS	2	2	
Aberdeen	1012.9	+1	NE	4	c	60	85	7	-	Cu	1	AS	6	3	1013.2	o	NE	3	bc	58	85	7	-	Cu	2	AS	4	3	
East Fortune	1011.9	+1	NE	3	AS	51	92	3	-	-	-	-	-	*	1012.4	o	NE	3	o	53	82	4	1-2000	ST	9	-	-	*	
Howden	1003.4	+2	NNE	4	c	62	85	6	3-4000	ST	7	-	-	*	988.8	+2	N	5	c	58	75	5	2-3000	ST	5	AS	3	*	
Felixstowe	1003.7	o	W	1	c	59	87	6	-	ST	6	AS	1	2	1004.8	+2	NNE	2	o	57	98	5	-	Cu	6	AS	3	4	
Cranwell (Lines)	1004.8	+2	N	4	c	60	75	5	2-3000	ST	5	AS	3	*	1006.2	+3	NNE	3	c	58	75	7	2-3000	ST	4	AS	3	*	
Bedford	1004.5	+2	N	2	T	55	87	2	3-4000	ST	10	-	-	*	1006.2	+2	N	2	om	56	75	3	5-7000	ST	10	-	-	*	
Benson	1006.0	+2	NW	3	o	58	82	4	-	-	-	-	-	*	1007.0	+2	W	2	o	55	82	4	4-5000	ST	10	-	-	*	
London (Kew Obs.)	1004.8	+2	WNW	3	c	58	85	7	-	ST	5	AS	3	*	1006.7	+2	-	o	02	57	75	6	-	ST	8	AS	2	*	
1H. G.M.T. OF 3rd											7H. G.M.T. OF 3rd																		
Houton B. (Orkney)	1011.6	+3	-	o	2	?	55	3	?	?	?	?	?	?	1011.6	+1	NNE	5	o	51	87	6	1-2000	Nb	2	AS	8	*	
Esksdalemuir	1010.8	-1	NNE	5	odm	49	87	4	1-2000	Nb	10	-	-	*	1012.9	+1	N	3	c	56	82	7	2-3000	ST	5	AS	2	*	
Stranraer	1012.7	+1	-	o	2	49	98	-	4-5000	ST	2	AS	2	*	1012.9	o	NW	2	o	54	55	4	1-1000	ST	10	-	-	2	
Lough Foyle	1015.0	o	NW	2	bc	52	*	*	*	*	*	*	*	*	1014.9	o	NW	2	o	54	55	4	1-1000	ST	10	-	-	2	
Valencia (Cahire'n)	1011.5	+1	-	o	o	49	98	-	5-7000	ST	10	-	-	3	1011.3	o	N	4	bc	55	75	6	2-3000	ST	3	AS	3	4	
Anglesey (Llangefeli)	1013.7	+1	WNW	2	b	52	98	6	-	Cu	2	-	-	*	1013.9	o	W	3	bc	58	87	5	-	Cu	2	-	-	*	
Falmouth	1010.4	+2	WNW	1	o	59	98	8	2-3000	ST	10	-	-	3	1011.6	+5	W	3	o	52	97	5	5-7000	Cu	2	AS	6	3	
Calshot (Hants)	1002.8	+3	NW	2	2	49	92	5	-	ST	2	-	-	2	1010.8	+1	NW	2	o	51	92	4	1-1500	ST	10	-	-	2	
Capel (Folkestone)	1002.8	+3	NW	2	2	49	92	5	-	ST	2	-	-	2	1010.8	+1	NW	2	o	51	92	4	1-1500	ST	10	-	-	2	
Aberdeen	1013.5	o	N	2	OT	52	98	5	1-1000	Nb	10	-	-	*	1015.7	+2	NE	3	om	53	87	6	-	ST	10	-	-	2	
East Fortune	1012.3	-1	NE	3	o	51	87	-	5-7000	Nb	10	-	-	*	1013.3	+2	NE	3	om	51	92	3	1-1000	ST	9	-	-	*	
Howden	999.9	-3	NW	3	T	51	92	4	2-3000	ST	10	-	-	*	?	o	NW	4	T	50	92	4	1-2000	ST	10	-	-	*	
Felixstowe	1008.0	+2	W	2	bc	53	98	-	4-5000	ST	5	-	-	3	1009.9	+2	NW	2	o	52	97	3	5-7000	ST	10	-	-	3	
Cranwell (Lines)	1007.8	o	W	2	OT	50	98	4	2-3000	ST	10	-	-	*	1005.9	+1	SW	3	o	50	97	3	1-1500	ST	10	-	-	*	
Bedford	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.7	+1	W	3	d	52	87	2	2-2000	ST	10	-	-	*	
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.3	+2	W	2	o	53	82	3	-	ST	10	-	-	*	
London	1009.2	o	-	o	b	50	*	*	*	*	*	*	*	*	1010.4	+1	SW	3	o	54	82	5	-	ST	8	AS	2	*	
STATIONS CONTRIBUTING REPORTS AT 7h AND 19h.																													
STATIONS.	Barom. at M.S.L.	TEMP.	WIND.	Weather.	Barometer.	TEMPERATURE.	WIND.	Dir. of Upper Cloud.	Weather.	Sea.	Rainfall.	TEMP.	WEATHER.	Sunshine.															
	m.b.	°F.	Force 0-12.		at M.S.L. m.b.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir. Force 0-12.		mm.	Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	Hours.												
	19H. G.M.T. of 2nd											7H. G.M.T. of 3rd					24 HOURS ENDED 7h. 3rd												
Lerwick	1016.1	59	S	1	bc	1019.1	+2	50	-3	NE	1	-	om	2	-	62	47	bc	bc	om	8.3								
Stornoway	1014.3	56	NE	3	b.	1015.6	+3	49	-1	NE	2	-	o	4	-	60	48	o. bc.	bc. b	b. o	8.4								
Castlebay (Barra Is)	1013.5	59	WNW	2	c	1016.5	+2	56	+4	NE	4	-	b	*	-	60	52	o. b.	bc	c. b	3.2								
Glasgow	1012.7	55	ESE	2	c	1013.8	+1	54	+2	NE	3	NE	c	*	-	63	47	c.	c. op.	c. o. c.	12.6								
Malin Head	1012.3	57	NNE	2	bc	1014.5	+1	54	+2	N	1	-	b	1	-	60	50	bc	bc	bc	*								
Blacksod Point	1012.2	54	N	2	omd.	1014.5	+1	54	+2	NNE	3	-	omg	3	-	55	52	op.	omd.	op. omd.	*								
Roche's Point	1012.5	61	NW	2	b.	1014.1	o	55	+3	NW	2	NW	c	1	-	64	52	o. c. o.	o. c. b	b. bc. c.	5.3								
Birr Castle	1012.0	60	W	1	c	1014.4	+	52	+2	W	1	-	c	*	-	65	49	h. c	cp. f	c	*								
Donaghadee	1015.0	57	NE	3	bc	?	+1	54	+1	N	3	-	c	2	-	61	51	cg. bc	bc	cg. bc	*								
Liverpool (Bidston)	1009.0	54	NW	2	o	1008.6	-2	51	+1	NW	5	-	T	3	-	58	50	o.	op	bc. o. b	1.0								
Holyhead	1010.6	57	NE	4	b2	1011.7	o	55	+1	N	5	-	b3	4	-	63	52	cm	o. c. bc. b	bc. c. b	6.4								
Pembroke (St. Ann's Head)	1011.4	56	N	2	b.	1013.5	o	53	+1	NW	2	-	b	2	-	60	51	bc.	b	b	10.6								
Scilly (St. Mary's)	1014.4	58	NW	3	bc	1015.7	o	56	+1	NW	1	NW	bc	3	-	60	51	c. bc	bc	bc	7.2								
Jersey (St. Aubin)	1010.1	58	WNW	4	b.	1014.4	+1	57	+2	W	4	W	bc	3	-	60	52	o. c. o.	o. c. b	b. bc	6.7								
Portland Bill	1007.8	57	NW	2	c	1011.5	+1	56	+2	NW	4	NW	bc	3	-	59	52	c.	c. o.	b. bc	*								
Dungeness	1005.4	55	SW	3	c.	1010.3	+2	54	+3	WNW	3	W	c	2	-	60	47	o. c. b.	c. p. c.	c. c. bc	*								
Wick	1014.6	54	NNE	3	bm.	1017.6	+1	49	+1	N	3	-	omg	2	-	54	46	bc.											



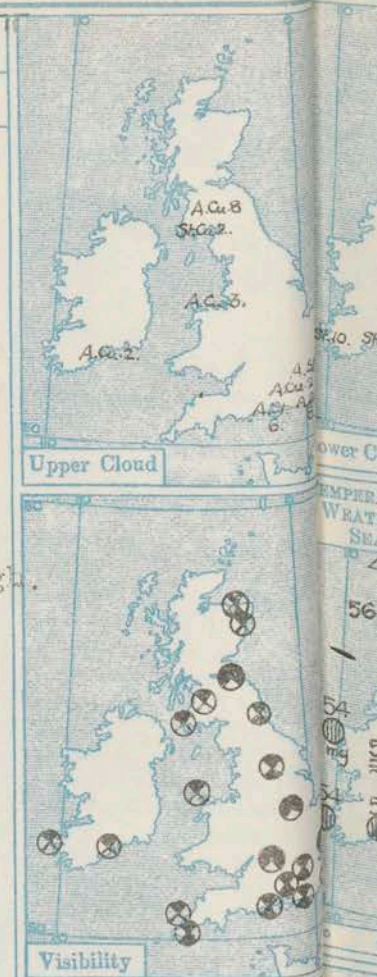
# SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 3rd July, 1949

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SW-WNW. 5-10	Rather cool.	Dull.	Ord.	Smooth
2. E. England	W-SW. 5-10	Cool.	Dull, some mist & slight rain.	Poor	Slight
3. E. Midlands	W. 5-10	Rather cool.	" " " "	"	"
4. W. Midlands	W-NW. 5-15	" cool.	" some rain.	Ord.	"
5. S.W. England	W-NW. 5-15	" "	Fair or cloudy.	Good	Slight
6. South Wales	NW. 0-10	" "	Fair or fine.	Ord.	Smooth
7. North Wales	N-NW. 15-20	Moderate.	Fair.	Good	Slight
8. N.W. England	N-NW. 15-20	Rather cool.	Dull, rainy.	Ord.	"
9. N. Midlands	N-W. 10-20	" "	" " " "	"	"
10. N.E. England	NE-NW. 15-25	" "	Dull, some rain & mist.	Indiff.	Rather rough.
11. E. Scotland	NE. 10-15	" "	Overcast, some mist.	Var.	Smooth
12. S.W. Scotland	N-NE. 10-20	" "	Dull.	Good	Slight
13. Isle of Man	N. 10-15	Moderate.	Cloudy.	Ord.	"
14. N. & N.W. Scotland	N-NE. 5-10	Rather cool.	Dull, some mist.	Var.	Smooth
15. Hebrides	NE. 5-15	" cool.	Variable cloud.	Ord.	Slight
16. Orkneys and Shetlands	NE. 0-10	Moderate.	Dull, some mist.	"	Smooth
17. N.W. Ireland	N-NE. 0-10	"	Fair to overcast, some mist.	Var.	Smooth
18. N.E. Ireland	N. 0-10	"	Cloudy.	"	"
19. S.E. Ireland	N-W. 0-5	"	Dull, some fog.	"	"
20. S.W. Ireland	N-NW. 0-5	"	Dull.	Good	"

## GENERAL INFERENCE from observations received up to 10 a.m.

A depression, now centred off the North-east of England, will continue to cause unsettled weather over the Kingdom generally, with North-east and North winds in the North, North-westerly and Northerly in the West and Westerly to South-westerly winds in the South-east. Temperature will remain low.

**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of five millibars.  
**WIND.**—Direction is shown by a line with the wind. Force, on the 0-12, is indicated by the number of feathers. Mean velocity is shown in per hour by figures in small circles.  
**TEMPERATURE** is given in degrees.  
**WEATHER SYMBOLS.**  
 ☉ clear sky. ☁ sky & cloud. ☂ sky & rain.  
 ☄ overcast sky. ☇ rain fall.  
 \* snow. ▲ hail. ☼ fog.  
 T thunder. Z thunderstorm.  
**SEA DISTURBANCE.**—  
 Rough High



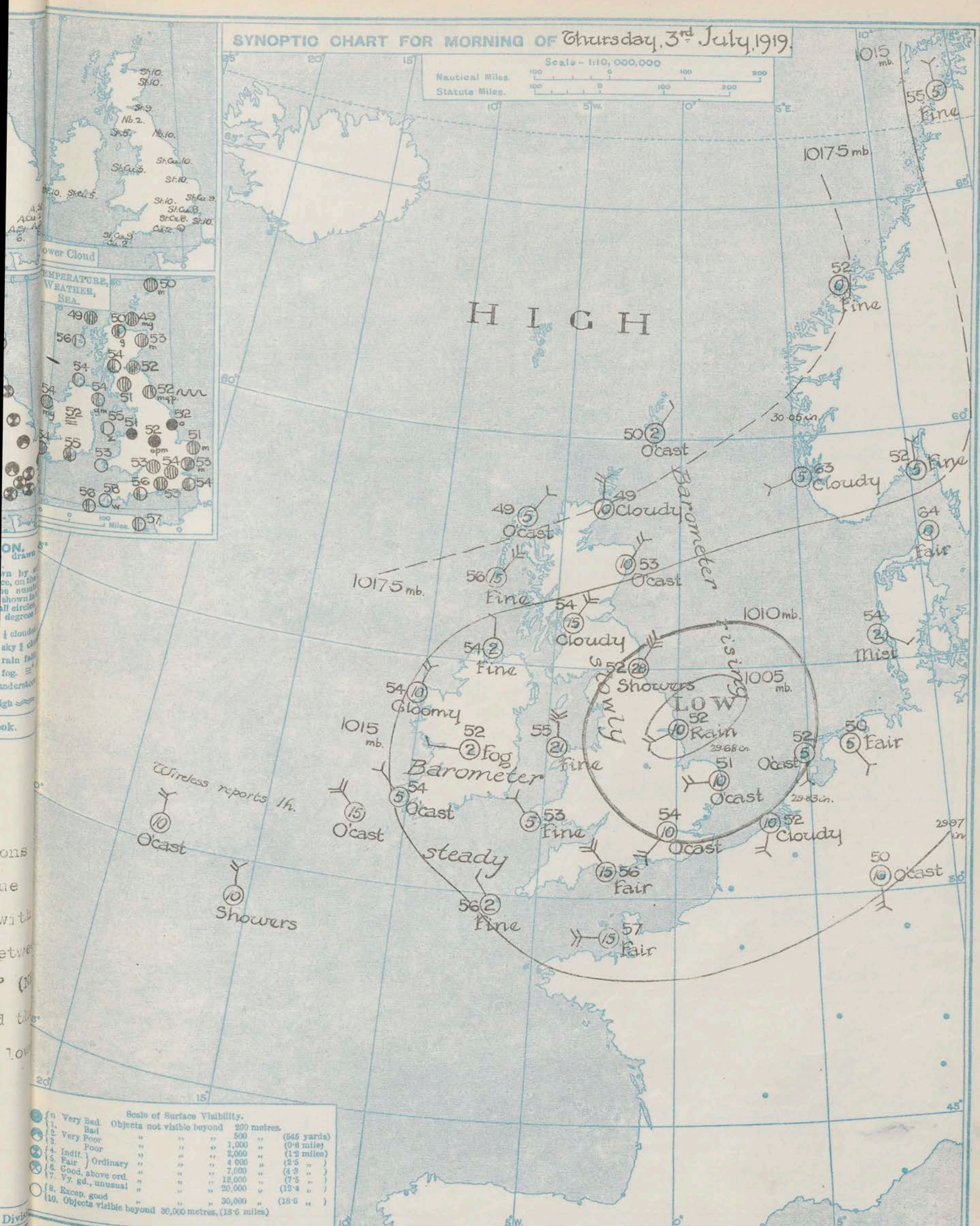
Districts.	Forecasts for the 24 hours commencing 3 p.m. Thursday, 3rd July, 1949
1. S.E. England	Wind between West and South-west, light or moderate. Much cloud generally, local showers, perhaps thunder. Cool.
2. E. England	
3. E. Midlands	
4. W. Midlands	Wind North-westerly, moderate or light. Dull, some rain, very cool.
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	Northeasterly winds, moderate, fresh locally. Dull, some rain, thunder in places. Very cool.
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind between North-east and North, light or moderate. Dull, some rain. Very cool.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	Wind North or North-west, light or moderate. Cloudy or dull generally, some rain. Very cool.
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

The conditions will continue unsettled, with wind from between 45° and 375° (N and NW), and the temperature low.



# SYNOPTIC CHART FOR MORNING OF Thursday, 3<sup>rd</sup> July, 1919.

Scale - 1:10,000,000  
Nautical Miles. 100 0 100 200  
Statute Miles. 100 0 100 200



## Scale of Surface Visibility.

	Objects not visible beyond	200 metres.	
1. Very Bad	"	500 "	(545 yards)
2. Very Poor	"	1,000 "	(1,090 "
3. Poor	"	2,000 "	(2,180 "
4. Indif.	"	4,000 "	(4,360 "
5. Fair	"	7,000 "	(7,640 "
6. Good, above ord.	"	12,000 "	(13,120 "
7. Vy. gd., unusual	"	20,000 "	(21,600 "
8. Excep. good	"	30,000 "	(32,400 "
9. Objects visible beyond	30,000 metres,	(32,400 "	



WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 2 <sup>nd</sup>																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-18h. 1st.	Day. 18h-17h. 2nd.	to 17h. 2nd.	Sunrise to Sunset. 1st.			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-18h. 1st.	Day. 18h-17h. 2nd.	to 17h. 2nd.	Sunrise to Sunset. 1st.
Scotland.	Banff ... ..	bc	bc	57	42	-	-	5.7	2.3	England, N.W.	Southport ... ..	or. o	or. o. c	59	49	1	1	1.1	-
	Montrose ... ..	-	-	60	50	-	-	8.0	13.5		DOUGLAS ... ..	-	-	61	49	-	-	5.6	9.6
	St. Andrews ... ..	bc	c	56	49	-	-	7.1	-		BLACKPOOL ... ..	-	-	61	50	1	-	1.6	4.8
	OBAN. ... ..	b.	ro. o	64	47	-	-	6.0	9.4										
England, N.E.	Harrogate ... ..	op. bc. b	b. bc.	59	47	3	0.2	4.7	0.3	Midlands.	Buxton ... ..	r. c. b	bc	58	45	6	0.1	3.1	0.6
	Skegness ... ..	or.	or. p.	57	50	3	1	0.4	3.9		Leamington Spa ...	or.	o. c. b. o	59	46	2	3	0.5	1.2
											Malvern ... ..	r.	r.	58	49	?	?	0.3	-
											Ross-on-Wye ... ..	op.	g. d. c. m. k.	63	48	1	4	1.2	1.8
England, E.	Felixstowe ... ..	bc	bc	62	43	4	2	4.0	1.0	Wales.	Rhyl ... ..	c. bc	c. bc. p.	59	51	1.3	0.1	1.5	3.4
	Walton-on-Naze ...										Colwyn Bay ... ..	-	-	59	52	1	-	0.9	5.4
	Southend-on-Sea ...	or. m.	o. c. op	62	49	2	1	1.5	0.0		Llandudno ... ..	o.	o.	59	52	1	-	0.7	5.2
	FOLKESTONE	-	-	58	48	2	-	1.5	0.9		Aberystwyth ... ..	r. o. c.	c. bc.	59	53	-	-	1.5	9.0
England, S.E.	BRIGHTON	-	-	60	48	1	1	2.4	0.0	England, S.W.	ILFRACOMBE ... ..	o. c. p.	c. p.	60	53	1	1	1.5	5.9
	Margate ... ..	c.	bc	61	49	-	0.1	2.1	0.0		TEIGNMOUTH.	c. bc. p.	c. bc. p.	62	57	1	1	1.5	5.3
	Ramsgate ... ..										BUDE	o. c. bc	bc	60	53	1	0.1	5.1	9.5
	Hastings ... ..										Weymouth ... ..	c. o.	or. o.	66	48	7	3	1.5	1.5
	Eastbourne ... ..	or. bc	bc	61	47	-	1	4.3	0.0		Torquay ... ..	o. c. p.	c. p.	61	52	3	3	2.9	4.2
	Worthing ... ..	o.	c.	59	45	0.2	1	2.5	0.6		Penzance ... ..	c.	bc	61	49	13	-	4.4	10.5
	Littlehampton ...	o. bc. o	p.	59	45	1	1	1.8	0.8		Newquay ... ..	c. p. bc.	bc. p.	57	50	8	-	5.6	9.8
	Bournemouth ... ..	-	-	62	46	2	-	1.5	1.3		Weston-s-Mare ...	o. bc. c	bc. p.	61	49	3	0.1	1.5	2.5

SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.		THE BEAUFORT SCALE OF WIND FORCE.		
STATIONS.	WEATHER				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	RAINFALL.		Sun. Hours.	No.	Limits of Velocity.		
	7h-18h 2nd.	18h-18h 2nd.	18h-1h 3rd.	1h-7h 3rd.				Day. 7h-18h.	Night. 18h-7h.			Squalls miles per hour.	Metres per second.	
†Houton Bay (Orkney)...	b. bc. z	b. bc. z	f. z	odmo	58	47	46	-	1	5.9	0	Less than 1	Less than 0.3	
Eskdalemuir ...	op. o. c	c. o. c	o. z. od. m.	odmo	64	46	-	-	-	-	1	1-8	0.3-1.5	
†Stranraer ...	c. o	c. o. z.	bc. c. z	om.	64	46	-	-	-	-	2	4-7	1.6-3.8	
†Lough Foyle ...	b. bc	b. bc.	bc	odo	59	53	53	1	-	3.7	3	8-12	5.4-5.4	
Valencia (Cahireveen) ...	oc	c. op	bc	odo	59	53	53	1	-	3.7	4	13-18	5.5-7.9	
†Anglesey (Llangefni) ...	c. p. o	c. o. c	c. o. c	om. q.	59	47	-	-	-	-	5	19-24	8.0-10.7	
Falmouth ...	op. p.	bc. q.	bc. w.	bc. w.	61	50	41	-	-	7.5	6	25-31	10.8-13.8	
†Calshot (Hants) ...	c. p. z	c. p. z	c. o	com	60	44	-	-	-	-	7	32-35	13.9-17.1	
†Capel (Folkestone)...	or.	c. o. z	bc. c. z	*	58	46	-	-	-	-	8	36-46	17.2-20.7	
Aberdeen ...	om. bc	c. o. bc	c. o. f.	bc. com	60	51	48	-	1	5.0	9	47-54	20.8-24.4	
†East Fortune ...	o. f.	c. o. z	p. i. q.	o. q.	55	49	-	-	-	-	10	55-63	24.5-28.4	
†Howden ...	c. o. q.	c. o. q.	p. i. q.	o. q.	64	47	-	-	-	-	11	64-75	28.5-33.5	
†Felixstowe ...	c. o. p.	c. o. p.	o. p.	o. z.	59	49	-	-	-	-	12	Above 75	33.6 or above	
†Cranwell (Lines) ...	r. z	om. f.	c. o. f.	p. z.	61	49	-	-	-	-				
†Bedford ...	c. p. o	om. f.	*	om. f.	62	46	-	-	-	-				
Benson ...	o.	or.	*	op	58	47	41	1	0.1	*				
London (Kew Obsy.) ...	om. t. o. c	c. o. t	o. z. r. o. b. c. m. o	60	48	40	1	2	2.1					

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.

Suffices 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.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.					
	24 HOURS ENDED 9H G.M.T. 3 <sup>rd</sup> .....								YESTERDAY.				TO-DAY.	3 <sup>rd</sup> & 4 <sup>th</sup> July .....	1919.
Greenwich (Royal Observatory)	or	or	op	61	47	39	3	0.9	93	79	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Stations.	Sunrise.	Noon.	Sunset.
City (Bunhill Row) ...	*	*	*	*	*	*	*	0.8	*	*		G.M.T.	G.M.T.	G.M.T.	
Westminster (St. James's Park)	*	*	*	61	47	42	4	0.9	93	84	Total .... 87.0 ..... Joules.	Yarmouth...	3.37	11.57	8.17
(Admiralty Arch)	omp	omp	bc mcm	60	48	*	3	0.0	85	75		Greenwich	3.38	11.57	8.16
Camden Sq. (British Rainfall)	od'cp	cp		63	47	45	2	1.0	87	75	Milliwatts.	Wick ...	3.50	12.4	8.18
Kensington Palace	on	or	*	59	47	41	2.5	*	*	80		Average Rate. 14.7	Valencia ...	3.51	12.4
Richmond Park	*	*	*	*	*	*	*	*	*	*	Maximum Rate. 75		3.14	12.16	9.18
														3.15	12.16
													4.28	11.45	9.2
													4.29	11.45	9.2

### NOTES ON THE WEATHER OF YESTERDAY.

Temperature remained below 60° over a large area in the North and below 65° generally. Rain fell in many parts of the Kingdom, mainly in the East - and a thunderstorm occurred at Ross-on-Wye and in London. At Kensington Palace the rain measurement was 25 mm, but at Kew only 3 mm. Little or no bright sunshine was recorded in the East and South-east, but at some Western stations the day was very fine, the sunshine values exceeding 10 hours.



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

No 21,043 B ... FRIDAY, 4<sup>th</sup> July ... 1919.

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

STATIONS.	13H. G.M.T. OF 3rd													18H. G.M.T. OF 3rd														
	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		WEATHER.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		WEATHER.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea
			Dir.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Dir.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.	
Houton B. (Orkney)	1020.7	+2	NE	3	o	51	92	4	1 1/2-2000	St	8	ASr	1	2	1021.1	0	NE	2	om	49	98	4	1 1/2-2000	St	10	-	-	2
Eskdalemuir ...	1014.1	+4	NNE	4	o	54	75	6	2-3000	Nb	10	-	-	*	1015.2	+1	NNE	5	om	54	55	4	1 1/2-2000	CuNb	8	ASr	1	*
Stranraer ...	1014.1	+2	NE	4	c	63	75	7	2-3000	St	6	ASr	2	*	1014.8	+1	NE	2	c	61	75	7	2-3000	StCu	6	CuCu	2	*
Lough Foyle ...	1017.2	+3	M	2	c	66	82	6	3-4000	St	2	ASr	5	*	1017.6	0	NNE	2	c	56	87	5	5-7000	StCu	8	-	-	2
Valencia (Cahirc'n)	1015.3	+1	NW	2	o	59	87	8	1 1/2-2000	Cu	7	ASr	2	3	1015.2	0	M	4	c	60	82	8	2-3000	Cu	7	-	-	3
Anglesey (Llangefni)	1012.2	+1	M	4	o	58	75	6	1 1/2-1600	StCu	10	-	-	5	1012.8	0	NNE	2	z	58	75	5	3-4000	StCu	2	CuCu	3	4
Falmouth ...	1014.5	+1	SW	4	bc	65	65	7	-	CuNb	6	-	-	*	1014.6	0	WSW	3	c	62	75	6	-	Cu	4	ASr	3	4
Calshot (Hants) ...	1013.2	+2	SW	3	o	59	92	6	3-4000	St	7	ASr	2	5	1013.0	0	SW	3	o	61	92	6	3-4000	StCu	10	-	-	4
Capel (Folkestone)	1012.6	+1	SW	3	o	58	87	4	-	St	10	-	-	4	1013.8	+2	WSW	4	om	55	92	5	-	Cu	5	ASr	3	4
Aberdeen ...	1017.8	+3	NE	4	om	58	75	5	-	St	10	-	-	3	1019.0	0	M	3	o	55	82	7	-	St	10	-	-	3
East Fortune ...	1015.9	+1	NE	4	om	53	92	4	-	-	-	-	-	*	1017.2	+1	NE	3	om	50	98	0	-	-	-	-	-	*
Howden ...	-	+5	NNE	3	T.	55	82	4	1 1/2-2000	CuNb	10	-	-	*	-	+4	NE	3	o	54	82	4	1 1/2-2000	CuNb	10	-	-	*
Felixstowe ...	1013.0	+1	S	3	T.	58	92	4	3-4000	CuNb	6	ASr	4	3	1012.0	0	S	3	c	57	98	5	5-7000	Nb	7	-	-	4
Cranwell (Lincs)	1007.1	+3	S	2	o	54	92	4	2-3000	St	5	ASr	4	*	1008.5	+1	NE	1	om	53	98	3	1-1500	St	10	-	-	*
Bedford ...	1009.6	+1	W	3	om	60	75	2	3-4000	St	10	-	-	*	1010.0	0	W	2	z	59	75	5	4-5000	St	7	-	-	*
Benson ...	1010.4	+1	W	3	o	58	75	5	-	-	-	-	-	*	1011.4	+1	NW	5	Ty	58	82	6	-	Cu	8	-	-	*
London (Kew Ob.)	1011.5	+1	W	2	T.	56	82	6	-	StCu	6	ASr	3	*	1011.7	+1	W	1	c	59	82	5	-	Nb	3	ASr	5	*
1H. G.M.T. OF 4th													7H. G.M.T. OF 4th															
Houton B. (Orkney)	1021.8	0	NNE	1	T.	45	98	2	4-500	St	10	-	-	-	1021.6	0	NNE	2	em	46	97	3	1-1000	St	10	-	-	2
Eskdalemuir ...	1017.1	0	NNE	6	omg	48	98	5	1-1500	St	10	-	-	*	1017.2	0	NE	4	om	49	87	6	1 1/2-2000	Nb	10	-	-	*
Stranraer ...	1017.2	0	-	0	c	49	98	-	2-3000	St	7	-	-	*	1016.6	0	NNE	1	c	54	92	8	2-3000	St	8	-	-	*
Lough Foyle ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	1016.9	0	NNE	2	c	53	92	4	3-4000	Cu	3	-	-	*
Valencia (Cahirc'n)	1016.8	0	-	0	bc	53	*	*	*	*	*	*	*	*	1017.4	+2	NNE	3	c	56	82	7	-	Cu	4	A-Cu	7	3
Anglesey (Llangefni)	1014.3	+2	NE	1	o	53	92	-	1 1/2-2000	St	9	ASr	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	*
Falmouth ...	1014.9	-1	WNW	*	c	54	98	4	-	Nb	7	-	-	*	1013.7	0	WNW	1	cu	54	97	4	-	-	-	-	-	*
Calshot (Hants) ...	1013.9	+1	SW	1	b	51	98	7	3-4000	StCu	2	-	-	2	1012.8	-1	-	0	b	56	92	4	-	?	?	?	?	2
Capel (Folkestone)	1015.2	0	SSW	2	v	53	98	8	-	St	10	-	-	4	1014.9	0	SSW	3	z	55	92	5	-	StCu	6	-	-	6
Aberdeen ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	1020.0	0	N	3	d	49	92	6	-	Nb	10	-	-	2
East Fortune ...	1019.1	+1	NE	2	c	49	98	0	-	-	-	-	-	*	1019.0	0	NE	4	of	49	97	0	-	-	-	-	-	*
Howden ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	?	0	ENE	2	om	53	92	3	1 1/2-2000	St	10	-	-	*
Felixstowe ...	1014.0	+1	SW	1	b	54	98	-	-	CuNb	2	-	-	4	1045	+5	W	2	o	59	97	5	1-1500	St	10	-	-	3
Cranwell (Lincs)	1011.5	0	WNW	1	o	51	98	4	2-3000	St	10	-	-	*	1012.3	+1	SE	1	b	53	92	3	2-3000	St	5	ASr	3	*
Bedford ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	1013.0	+1	SSW	1	bz	53	92	-	1 1/2-2000	Cu	1	-	0	*
Benson ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	1012.3	+1	-	0	b	54	87	4	-	-	0	ASr	2	*
London ...	1013.6	0	-	0	b	54	*	*	*	*	*	*	*	*	1013.4	0	-	0	b	54	87	4	-	StCu	1	Ci	2	*
(M.O. at 1h)																												
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																												
STATIONS.	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND.		WEATHER.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.							
			Dir.	Force 0-12.		at M.S.L. m.b.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.								
18H. G.M.T. of 3rd													7H. G.M.T. of 4th													24 HOURS ENDED 7H. OF 4th		
Lerwick ...	1020.6	51	NE	2	om.	1020.8	+1	47	-3	N	4	-	om	3	-	55	47	om.	om.	om	*							
Stornoway ...	1013.4	53	ENE	3	c.	1021.8	+1	49	+1	NE	3	-	o	2	-	56	48	c.	c.	c.o	7.7							
Castlebay (Barra)	1019.1	60	N	4	bc.	1019.9	+1	52	-4	N	5	-	c	4	1	63	50	bc.b	bc	bc.p.o	11.2							
Glasgow ...	1016.9	57	ENE	3	o.	1018.5	0	53	-1	ENE	2	-	o	*	-	64	48	c.	c.bc.c.o	oc.oc.z	5.4							
Malin Head ...	1017.0	57	ENE	2	c.	1018.0	0	53	-1	ENE	1	NE	om	1	1	59	51	bc.	bc	emp	9.3							
Blacksod Point	1016.4	57	NE	3	bc.	1017.9	0	56	-2	NE	2	-	bcy	2	-	58	52	bc.v	bc	bz.bcy	*							
Roche's Point...	1015.4	57	SW	1	o	1016.4	+1	54	-1	N	1	-	o	1	2	64	51	c.	c.opg.o	opg.o	4.0							
Birr Castle ...	1015.5	60	ENE	1	c	?	*	50	-2	N	1	-	m	*	4	65	46	fc	ep	bc	*							
Donaghadee ...	1018.2	57	NE	4	bcy/p	?	0	52	-2	NE	4	-	ogm	4	-	61	52	cgm.	cgy.	bcmgp	*							
Liverpool (Bidston)	1011.8	54	NW	3	T.	1013.1	-1	52	+1	NNE	2	-	o	1	3	58	51	c.	op.	or	1.4							
Holyhead ...	1013.4	54	N	5	cm	1014.7	0	53	-2	NE	4	-	opmg	3	0.1	61	52	b.o.c.	bc.bm.c	c.bopm	5.9							
Pembroke (St. Ann's Head)	1014.9	57	NW	2	b.	1014.2	0	53	0	NNW	2	N	o	2	-	63	51	b.	b	bc.o	13.5							
Scilly (St. Mary's)	1016.4	57	WNW	1	cp.	1014.5	-1	55	-1	N	1	N	c	2	1	62	51	bc.c.	c.op.	cmd.ep	4.7							
Jersey (St. Aubin)	1015.8	62	SW	3	c.	1013.0	-1	56	-1	SW	3	-	T	3	13	64	55	bc.b.	bc	p.omr	*							
Portland Bill ...	1012.9	57	WSW	5	bc	1012.8	+1	59	+3	NE	1	-	o	3	-	58	50	bc.c.	c.bc	bc.c	*							
Dungeness ...	1012.7	58	SW	4	b.	1013.8	0	56	+2	SW	2	-	bc	2	-	62	53	c.	c.	c.bc.	*							
Wick ...	1020.1	50	NNE	2	om.	1020.9	+1	49	0	N	2	-	omg	2	-	52	47	omg	omg.	omg	*							
Nairn ...	1019.9	52	E	2	cm	1020.3	*	50	0	-	0	-	omel	1	0.2	54	49	cgm.	cgm.	cmc	0.0							
Leith ...	1016.8	52	E	2	o	1017.7	0	50	-2	E	3	-	o	3	-	55	50	oc.m.o	om.o	ocm.o	*							
Tynemouth ...	1013.8	53	NE	4	omg.	1015.3	0	51	-1	NE	4	-	omg	4	1	53	49	omg.	omg.	omg	*							
Spurn Head ...	1009.8	52	ESE	4	or.	1012.4	+1	54	+2	S	3	-	bc	4	13	55	51	op.or.	or.	or.bc	0.0							
Yarmouth (Gorleston)	1012.4	55	S	5	bc	1013.7	0	55	+4	WSW	2	-	b	2	4	60	49	om.o	bcy.	bcy.b	1.6							
Clacton-on-Sea	1011.3	58	SSW	5	c	1013.8	0	55	+2	SSW	4	-	og	3	4	62	52	om.bcz	bc.opz.	bc.cog	2.3							
Nottingham ...	1011.5	54	N	2	op.	1012.2	*	52	0	SW	1	-	omc	*	6	58	51	omp.	omp.	omp.	*							

† 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, 4th July, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	S-SW 0-10	E. cool.	Variable cloud, some mist.	Var.	Slight
2. E. England	S-SW 0-10	" "	" "	"	"
3. E. Midlands	Var. 0-5	" "	" " some mist or haze.	Indiff-	"
4. W. Midlands	" 0-5	" "	Mainly overcast.	erent	"
5. S.W. England	" 0-5	Moderate	Dull, mist locally.	"	Slight.
6. South Wales	N-NE 0-5	"	Dull.	Ord.	Smooth.
7. North Wales	NE 5-15	E. cool.	Overcast, some mist & showers.	"	Slight.
8. N.W. England	NE 5-10	" "	Dull.	"	Smooth.
9. N. Midlands	Var. 0-5	" "	Dull, some mist.	Poor.	"
10. N.E. England	NE 5-15	" "	Cloudy, local mist squalls.	"	Mod.
11. E. Scotland	N-NE 5-15	" "	Dull, some mist, fog and drizzle.	Var.	Smooth.
12. S.W. Scotland	NE 5-15	" "	Dull, mist locally.	Good.	Slight.
13. Isle of Man	NE 5-10	" "	Dull.	"	"
14. N. & N.W. Scot- land	N-NE 0-5	" "	Dull, some mist.	Poor.	Smooth.
15. Hebrides	N-NE 10-15	" "	Overcast.	Ord.	Slight.
16. Orkneys and Shetlands	N-NNE 10-15	" "	Dull, misty.	Poor.	"
17. N.W. Ireland	NE 0-5	Moderate	Cloudy, mist or haze.	Var.	Smooth.
18. N.E. Ireland	NE 5-15	"	Dull, some mist.	"	Slight.
19. S.E. Ireland	N 0-5	E. cool.	" " "	Indiff-	Smooth
20. S.W. Ireland	N-NE 0-10	Moderate	Dull.	erent. Var.	"

GENERAL INFERENCE from observations received up to 10 a.m.

The presence of a shallow depression over England will maintain the weather in an unstable condition generally, and local showers, with a thundery tendency, are still to be expected over a considerable area. Temperature will continue low for the time of year.

**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of five millibars.  
**WIND.**—Direction is shown by a line flying with the wind. Force, on the 0-12, is indicated by the number of feathers. Mean velocity is shown in per hour by figures in small circles.  
**TEMPERATURE** is given in degrees.  
**WEATHER SYMBOLS.**—  
 ○ clear sky. ○ sky & clouds. ○ sky & clouds. ○ sky & clouds.  
 ○ overcast sky. ○ rain falling.  
 \* snow. ▲ hail. ≡ fog.  
 T thunder. E thunderstorm.  
**SEA DISTURBANCE.**—  
 Rough High

Further Outlook.

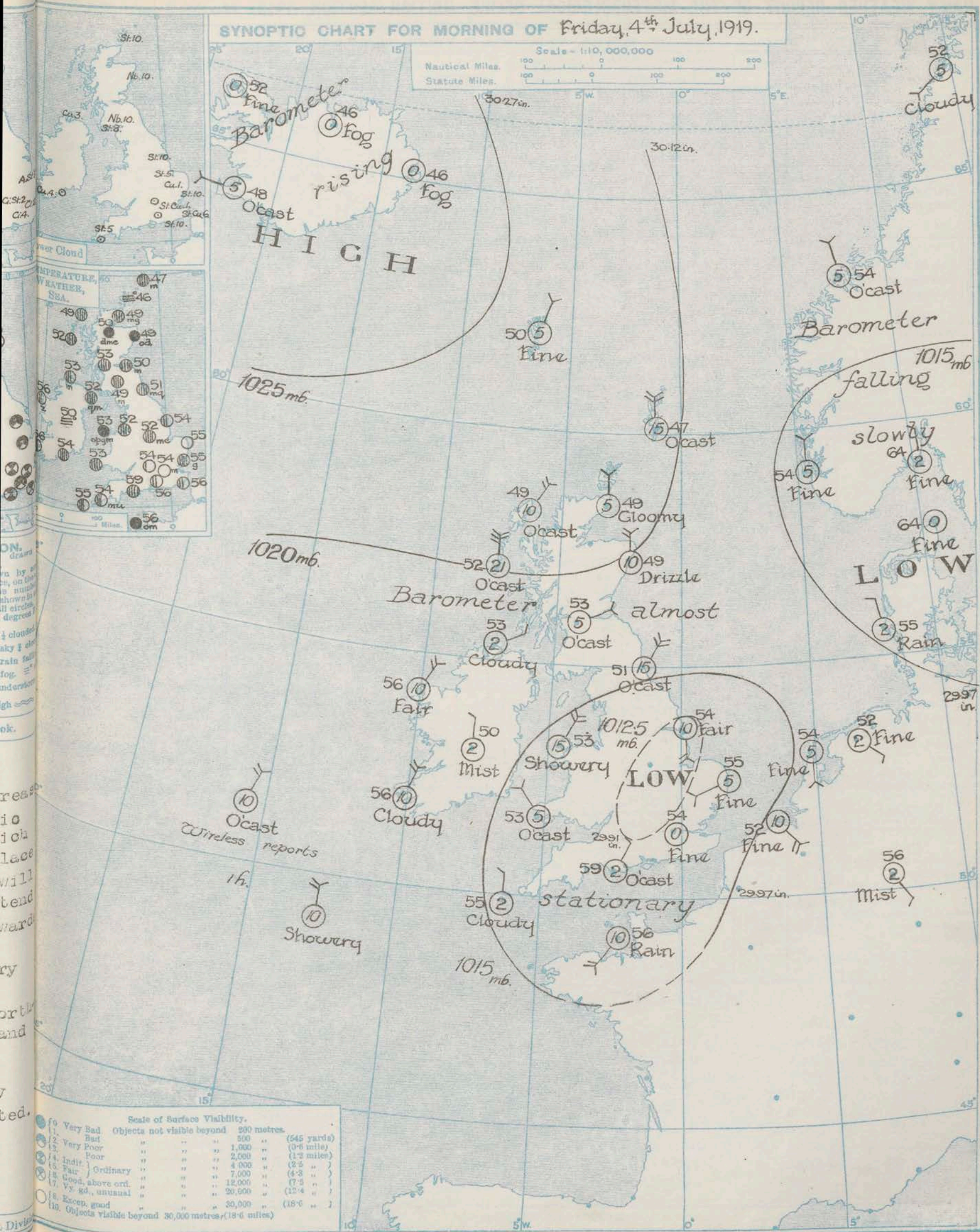
Another decrease of barometric pressure which is taking place in Denmark will probably extend somewhat towards the British Isles. Very cool winds from some Northern point and unsettled weather are consequently to be expected.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 4th July, 1919.
1. S.E. England	Wind SW or variable, light. Sky variable, local showers, perhaps thunder. Continuing cool for time of year.
2. E. England	
3. E. Midlands	
4. W. Midlands	Wind mainly N, light, cloudy or overcast, some showers thunder locally. Very cool.
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Wind N or NE, light or moderate, cloudy or overcast, some rain or showers; perhaps thunder, very cool.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Wind N or NE, light or moderate. Dull, some rain to fairer. Very cool.
13. Isle of Man	
14. N. & N.W. Scot- land	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	NE or N winds, light or moderate. Cloudy or overcast, some showers, very cool.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	



# SYNOPTIC CHART FOR MORNING OF Friday, 4<sup>th</sup> July, 1919.

Scale = 1:10,000,000  
Nautical Miles. 100 0 100 200  
Statute Miles. 100 0 100 200



## Scale of Surface Visibility.

	Very Bad	Bad	Poor	Indist.	Fair	Good, above ord.	V. good, unusual	Excep. good	Objects visible beyond 30,000 metres (18.6 miles)
1.	Objects not visible beyond 200 metres.	500 "	1,000 "	2,000 "	4,000 "	7,000 "	12,000 "	20,000 "	
2.		545 yards	1,090 "	2,180 "	4,360 "	6,540 "	10,410 "	18,600 "	
3.			1,090 "	2,180 "	4,360 "	6,540 "	10,410 "	18,600 "	
4.			1,090 "	2,180 "	4,360 "	6,540 "	10,410 "	18,600 "	
5.			1,090 "	2,180 "	4,360 "	6,540 "	10,410 "	18,600 "	
6.			1,090 "	2,180 "	4,360 "	6,540 "	10,410 "	18,600 "	
7.			1,090 "	2,180 "	4,360 "	6,540 "	10,410 "	18,600 "	
8.			1,090 "	2,180 "	4,360 "	6,540 "	10,410 "	18,600 "	
9.			1,090 "	2,180 "	4,360 "	6,540 "	10,410 "	18,600 "	



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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h. 2nd.	Day. 9h-17h. 3rd.	to 17h. 3rd.	Sunrise to Sunset. 2nd.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h. 2nd.	Day. 9h-17h. 3rd.	to 17h. 3rd.	Sunrise to Sunset. 2nd.
Scotland.									England, N.W.								
Banff ... ..	o	m	53	49	0.4	-	0.0	7.7	Southport ... ..	c.o.	o.c.r.o	60	51	3	6	1.0	2.4
Montrose ... ..	-	-	60	51	-	-	2.9	9.0	BLACKPOOL ... ..	-	-	61	51	4	4	2.8	6.6
St. Andrews ... ..	o	o	55	50	0.3	-	0.0	8.4	DOUGLAS ... ..	-	-	62	49	1	-	6.1	5.6
OBAN ... ..	-	-	55	46	-	-	6.3	6.6									
England, N.E.									Midlands.								
Harrogate ... ..	op.	o	59	48	4	1	0.0	6.1	Buxton ... ..	bc.	bc.	57	46	11	6	0.6	4.4
Skegness ... ..	m.or.	obur.	56	50	3	3	0.3	0.4	Leamington Spa... ..	or.	rclo	60	49	2	3	0.7	0.5
									Malvern ... ..	c	c	60	45	0.2	0.2	0.2	0.3
									Ross-on-Wye ... ..	o.c.op.	gr.c.p.c	63	47	0.2	3	2.2	1.2
England, E.									Wales.								
Felixstowe ... ..	bc.	bc.	60	49	-	2	2.3	4.0	Rhyl ... ..	pc.bc.	cp.	59	52	2	0.2	1.2	1.6
SOUTHEND-ON-SEA ... ..	o.c.opm	cpm	65	49	-	2	1.9	1.9	Colwyn Bay ... ..	-	-	60	52	1	-	0.7	1.6
FOLKESTONE ... ..	c.	clt.	61	49	-	-	4.2	1.8	Llandudno ... ..	o.	o.	61	51	1	-	1.1	0.9
									Aberystwyth ... ..	To.c.	b.bc	58	54	-	-	6.5	2.5
England, S.E.									England, S.W.								
BRIGHTON ... ..	-	-	62	52	-	0.2	5.3	2.4	BUDE	bc.	bc.	61	54	-	-	8.4	2.9
Margate ... ..	c	clt.	64	48	1	4	1.4	2.1	ILFRACOMBE ... ..	o.c.bc	bc.	67	60	-	-	9.5	-
Ramsgate ... ..	bc	od	65	52	1	7	2.2	-	PAIGTON ... ..	b.	bc.	67	60	-	-	9.5	-
Hastings ... ..	o.bc.b	bc	62	49	0.4	-	5.3	-	Weymouth ... ..	bc.c.o.	cp.bc.	64	51	1	0.2	4.7	1.5
Eastbourne ... ..	bc	bc	62	51	-	-	6.0	4.7	Torquay ... ..	b.bc	bc.c	66	50	-	0.1	8.9	4.6
Worthing ... ..	c.	bc	63	51	-	-	5.5	2.5	Penzance ... ..	bc	bc	67	53	-	-	10.6	6.1
Littlehampton ... ..	o.bc	b	63	45	-	-	6.3	1.8	Newquay ... ..	bc.	bc	61	53	-	-	10.7	7.2
Bournemouth ... ..	-	-	63	49	-	2	5.5	1.5	Weston-s-Mare ... ..	c.bc.	bc	64	52	0.3	-	6.0	1.5

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	7h-13h. 3rd.	13h-18h. 3rd.	Max. °F.	Min. °F.	Day. 7h-13h. 3rd.	Night. 13h-18h. 3rd.	Hours.	Hours.
†Houton Bay (Orkney)...	Si	bc.c	54	44	*	*	*	2.9
Eskdalemuir ... ..	opm	o.opm	56	47	1	-	6.9	
†Stranraer ... ..	c2.	c.o	65	46	*	*	*	
†Lough Foyle ... ..	bc.c2	bc.c	58	50	*	*	*	
Valencia (Cahirciveen) ...	o	o.o.	63	47	-	-	3.7	
†Anglesey (Llangefni) ...	bc.c.	o.o.	*	*	*	*	*	
Falmouth ... ..	b.bc.c	bc.c.c	68	51	4.7	-	11.1	
†Calshot (Hants) ... ..	cr.	bc.c.	64	53	*	*	*	
†Capel (Folkestone) ... ..	r.	bc.c2	60	49	*	*	*	
Aberdeen ... ..	om.c	om.c.o	59	49	4.8	-	0.3	2.3
†East Fortune ... ..	2q	2q	53	49	*	*	*	
†Howden ... ..	prlr	or.	56	47	*	*	*	
†Felixstowe ... ..	bc.c.	omr.	62	50	*	*	*	
†Cranwell (Lines) ... ..	prlr.	r.o.	56	50	*	*	*	
†Bedford ... ..	om	om	60	43	*	*	*	
Benson ... ..	or.o	or	63	43	3.7	1	-	*
London (Kew Obsy.) ... ..	o.or.	o.o.op.c.	62	46	3.7	6	-	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.  
i 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	64-76	28.5-33.5
12	Above 76	33.6 or above

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

## SYMBOLS—

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

## LONDON OBSERVATIONS.

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp.	Min. Temp.	Min. on Grass.	Rain- fall.	Sun- shine to Sunset.	HUMIDITY %	
	Morning.	Afternoon.	Night.	° F.	° F.	° F.	mm.	Hours.	15 h. G.M.T.	9 h. G.M.T.
	24 HOURS ENDED 9H G.M.T. ... 4 <sup>th</sup> ...							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	bco	bc	bcr	66	47	3.4	5	4.2	68	76
City (Bunhill Row) ... ..	*	*	*	63	48	*	*	3.3	*	*
Westminster (St. James's Park)	*	*	*	63	48	4.3	7	3.6	79	82
„ (Admiralty Arch)	ombcp	cpbp	ombpbc	63	50	*	7	3.7	67	76
Camden Sq. (British Rainfall)	cp	bcrp	*	66	46	4.4	7	3.8	63	70
Kensington Palace ... ..	bcc	bc.	*	68	54	3.9	7	*	*	73
Richmond Park .. ...	*	*	*	*	*	*	*	*	*	*

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	YESTERDAY.		TO-DAY.	
	15 h. G.M.T.	9 h. G.M.T.	15 h. G.M.T.	9 h. G.M.T.
Total	13.15	Joules.		
Average Rate.	22.2	Milliwatts.		
Maximum Rate.	84			

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

4th 8.5m July 1919.			
Stations.	Sunrise.	Noon.	Sunset.
Yarmouth...	G.M.T. 3.38.	G.M.T. 11.57	G.M.T. 8.16.
Greenwich	3.38.	11.57	8.16.
Wick	3.51	12.4	8.17
Valencia	4.29	12.45	9.1

## NOTES ON THE WEATHER OF YESTERDAY.

Temperature was a little higher generally, but over the Kingdom as a whole it remained below 65°, and at several stations below 60°. Rain fell in most districts and thunderstorms occurred here and there over a large area in England; at Spurn Head and Jersey the rainfall

measurement was 13 mm. Bright sunshine was fairly abundant in many parts of Ireland, Wales and Scotland and also at Falmouth, but generally the records were moderate to very slight. At Spurn Head and Nairn the day was sunless, and the value was less than an hour at many places in the Midland Counties.





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

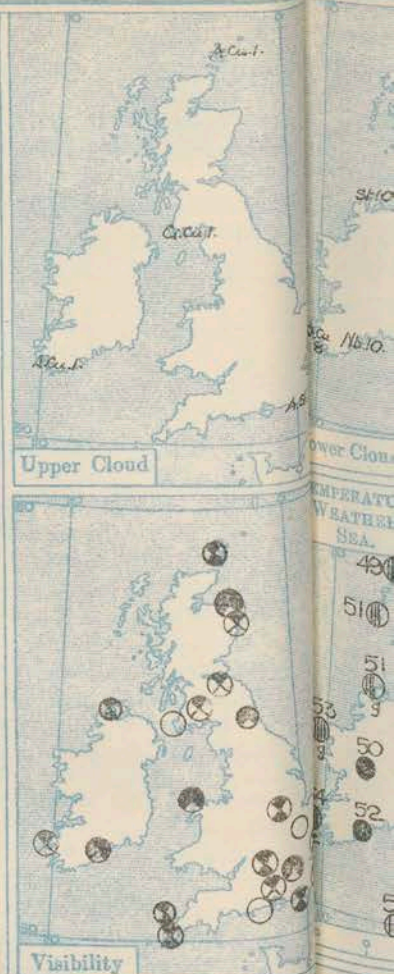
No. 21,044 B ... Saturday, 5<sup>th</sup> July, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 19h.																											
STATIONS.	Barom. at M.S.L.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.	Upper Cloud.	Sea	Barom. at M.S.L.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.	Upper Cloud.	Sea			
	m.b.									Form.	Amt. 0-10.	0-9.	m.b.									Form.	Amt. 0-10.	0-9.			
13h. G.M.T. 14 <sup>h</sup>														18h. G.M.T. OF 19 <sup>h</sup>													
Houton B. (Orkney)	1021.5	0	N	4	o	49	87	5	1 1/2 2000	St	10	-	2	1021.0	-1	N	4	o	47	92	6	1 1/2 500	St	10	-	3	
Eskdalemuir ...	1018.0	0	NE	5	om	51	87	6	1 1/2 2000	St	10	-	2	1017.3	-1	NE	4	om	49	92	5	1 1/2 1000	St	10	-	2	
Stranraer ...	1016.0	0	NE	2	2	64	65	7	3 400	St	5	alcu	1	1015.7	-1	NE	2	bc	61	75	7	3 400	St	5	alcu	1	
Lough Foyle ...	1019.6	-1	N	3	o	54	92	4	1 1/2 1000	cu	2	alcu	8	1019.0	0	N	2	o	53	98	4	1 1/2 2000	St	10	-	2	
Valencia (Cahire'n)	1017.1	0	NNW	3	bcz	63	65	7	3 400	cu	3	alcu	2	1016.6	-2	N	4	c	57	65	8	3 400	cu	5	alcu	3	
Anglesey (Llangefn)	1013.9	-1	NE	3	o	54	92	5	4500	St	10	-	4	1012.9	-1	NE	3	c	51	92	5	3 400	St	8	-	4	
Falmouth ...	1013.1	0	NW	3	bc	64	65	5	-	cu	3	alcu	4	1013.0	0	NNW	2	2	61	65	4	-	cu	5	-	2	
Calshot (Hants) ...	1013.3	0	ESE	1	T.	59	92	5	1 1/2 500	Nb	10	-	4	1012.4	-1	SE	1	o	58	98	8	2 300	St	5	alcu	2	
Capel (Folkestone)	1014.9	0	SSW	1	om	59	82	5	4500	cu	2	alcu	8	1014.0	-1	SE	1	2	56	92	5	-	St	10	-	3	
Aberdeen ...	1019.7	0	NNW	3	o	54	75	8	-	St	10	-	2	1019.0	-1	N	4	o	50	82	7	-	St	10	-	3	
East Fortune ...	1019.5	0	NE	2	om	50	92	3	-	-	-	-	2	1018.6	-2	E	1	o	51	92	4	2 300	cu	8	-	2	
Howden ...	-	0	E	2	o	60	75	5	2 300	St	10	-	2	-	+1	ENE	2	o	59	75	5	4 500	cu	3	alcu	7	
Felixstowe ...	1015.1	0	SSE	1	bc	63	92	6	-	St	1	alcu	4	1014.0	0	ESE	1	c	60	82	5	-	-	alcu	8	2	
Cranwell (Lines)	1013.1	+1	SE	1	c	63	75	5	3 400	St	4	alcu	3	1013.2	0	ENE	1	o	61	82	6	2 300	St	5	alcu	4	
Bedford ...	1012.8	0	-	0	c	65	55	-	5 700	St	6	alcu	2	1013.0	0	S	1	o	59	75	-	3 400	St	10	-	2	
Benson ...	1012.1	-1	SW	2	o	64	65	4	-	-	-	-	2	1012.3	0	SE	2	T <sub>2</sub>	60	75	8	-	cu	8	-	2	
London (New Ob.)	1013.5	0	S	2	o	64	65	7	-	St	6	alcu	4	1012.7	-2	E	2	u	61	75	5	-	cu	4	alcu	4	
1h. G.M.T. OF 5 <sup>h</sup>														7h. G.M.T. OF 5 <sup>h</sup>													
Houton B. (Orkney)	1020.8	0	NE	3	T of 2	45	98	2	4500	St	10	-	3	1020.6	0	NE	4	o	47	97	5	1 1/2 500	St	8	alcu	1	
Eskdalemuir ...	1018.5	0	NE	2	omd.	46	98	2	1 1/2 500	Nb	10	-	2	1018.3	0	NE	3	o	47	97	6	1 1/2 2000	St	10	-	2	
Stranraer ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1017.4	0	-	0	b	54	92	8	2 300	St	2	alcu	1	
Lough Foyle ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1018.1	0	N	3	o	51	98	5	1 1/2 500	St	10	-	2	
Valencia (Cahire'n)	1016.9	0	NNE	4	o	52	*	*	*	*	*	*	*	1016.5	0	NNE	3	o	54	87	6	2 300	St	8	alcu	1	
Anglesey (Llangefn)	1014.4	+1	NNE	2	o	54	92	-	1 1/2 2000	St	9	-	5	1015.0	+1	NE	4	om	53	92	3	2 1000	St	10	-	4	
Falmouth ...	1013.3	0	NW	2	bcw	61	98	5	-	-	-	-	2	1012.8	0	N	2	om	57	92	5	-	-	-	-	2	
Calshot (Hants) ...	1012.4	0	-	0	b	52	98	8	3 400	St	1	-	2	1013.0	+1	-	0	c	57	92	8	3 400	St	8	-	2	
Capel (Folkestone)	1013.9	0	ENE	1	o	55	92	5	-	St	10	-	2	1013.0	0	NE	1	bc	59	92	6	3 400	St	4	alcu	2	
Aberdeen ...	1018.6	0	NNW	2	o	47	92	5	-	Nb	10	-	2	1018.9	0	NNW	3	d	49	92	7	-	Nb	10	-	3	
East Fortune ...	1019.2	-1	E	1	o	48	92	-	1 1/2 2000	St	10	-	2	1019.0	+1	NW	2	o	49	92	6	2 300	St	3	-	2	
Howden ...	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2		
Felixstowe ...	1014.5	0	E	1	o	57	92	-	-	-	-	-	3	1013.9	0	E	3	o	59	87	5	3 400	St	8	-	3	
Cranwell (Lines)	1016.4	+1	NNE	1	c	54	98	5	3 400	St	8	-	2	1015.5	+2	NNE	2	o	52	97	4	1 1/2 2000	St	10	-	2	
Bedford ...	-	-	-	-	-	-	-	-	-	-	-	-	2	1014.0	+1	NE	1	T	56	92	8	1 1/2 2000	St	10	-	2	
Benson ...	-	-	-	-	-	-	-	-	-	-	-	-	2	1012.4	+1	ESE	1	o	59	92	4	-	cu	10	-	2	
London ...	1013.5	0	-	0	bc	57	*	*	*	*	*	*	2	1013.0	+1	NE	2	om	57	92	2	-	St	10	-	2	
(M.O. at 1h.)																											
STATIONS CONTRIBUTING REPORTS AT 7h AND 19h.																											
STATIONS.	Barom. at M.S.L.	TEMP. °F.	WIND. Direc.	Force 0-12.	Weather.	Barometer at M.S.L.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.	WIND. Direc.	Force 0-12.	Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP. Max. °F.	Min. °F.	Morning. °F.	Afternoon. °F.	Night. °F.	Sunshine Hours.						
	m.b.	°F.				m.b.	Change in 3 hours.	°F.	Change in 24 hours.						mm.	°F.	°F.	°F.	°F.	°F.							
19h. G.M.T. OF 19 <sup>h</sup>											7h. G.M.T. OF 5 <sup>h</sup>											24 HOURS ENDED 7h. 19 <sup>h</sup>					
Lerwick ...	1019.5	49	NE	4	om.	1020.6	0	50	+3	N	5	-	omq	3	-	51	46	om.	om.	omq	1.9						
Stornoway ...	1021.5	50	NNE	3	o.	1021.3	0	49	0	NE	3	-	c	2	Trace	53	46	c.o.	c.o.	c.o.	9.6						
Castlebay (Barra Is)	1019.2	54	NNE	6	c.	1019.2	0	51	-1	NNE	4	-	c	2	-	59	47	c.o.	bc	c.bc	0.0						
Glasgow ...	1016.1	52	E	2	om.	1019.1	0	48	-5	ENE	2	-	o	2	2	56	47	o.	omd	omdp	0.0						
Malin Head ...	1018.2	54	NNE	3	cm.	1017.6	0	51	-2	N	3	NE	cg	3	0.2	57	50	bcd.	bcz.	cg	4.0						
Blacksod Point	1017.6	54	NNE	4	ogz.	1017.8	-1	53	-3	N	3	-	og	3	0.1	59	52	og.	ogz.	og.ogp	*						
Roche's Point...	1015.7	55	N	2	o	1015.1	0	52	-2	N	1	-	+	1	6	63	52	op.oz.	op.oz.	op.	*						
Birr Castle ...	1015.6	55	NE	1	o	1015.9	0	50	0	N	1	-	Y	2	4	61	48	o.de	t.7.7.7.	odr	3.1						
Donaghadee ...	?	64	NE	4	ugm.	?	0	52	0	ENE	2	-	og	3	-	57	50	ogm.om	cgm.	cgm.og	*						
Liverpool (Bidston)	1012.6	58	ENE	2	m	1015.4	+2	54	+2	ENE	3	NE	og	3	4	60	51	a	ogm.	om.7r	0.5						
Holyhead ...	1013.4	56	ENE	6	cmg	1015.1	+1	53	0	E	5	-	og	4	6	57	52	opmg	op.ogm	c.7r.7r.	0.0						
Pembroke (St. Ann's Head)	1013.1	57	-	0	c	1013.8	+1	51	-2	NE	2	-	og	1	-	61	48	c.o.	bc	b.7r.	5.4						
Seilly (St. Mary's)	1014.6	60	N	2	c.	1013.8	-1	55	0	-	0	NW	cm	1	-	62	51	c.	c.	bc.7r.	8.8						
Jersey (St. Aubin)	1012.5	57	SW	3	odp.	1012.4	0	56	0	NW	2	NW	c	2	7	59	53	om.7r.	odp.	c.7r.	0.0						
Portland Bill ...	1012.8	57	SW	2	bc.	1012.5	0	56	-3	NW	2	-	bc	2	0.2	59	52	c.op.	c.op.	bc	*						
Dungeness ...	1012.9	59	E	2	bc.	1012.0																					



# SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 5th July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	E-NE. up to 20	Moderate	Much low cloud, light local mist.	Variable	Smooth
2. E. England	E-ENE. 5-10	"	Overcast, fog at Gorleston	Ord.	Slight
3. E. Midlands	NE. 2-10	Rather cool	Overcast, local mist & drizzle	Poor	"
4. W. Midlands	E. 2	Moderate	Overcast.	Ord.	"
5. S.W. England	N-NNW. up to 5	Rather cool	Fair generally, local mist	"	Smooth
6. South Wales	NE. 5	"	Fine	"	"
7. North Wales	E. 20	"	Overcast, misty	"	Mod.
8. N.W. England	ENE. 10	"	Overcast.	"	Slight
9. N. Midlands	ENE. 10	"	"	"	"
10. N.E. England	N-NE. 15-20	Cool	Overcast, squally, local mist.	"	Mod.
11. E. Scotland	N-E. 5-10	"	Overcast, local mist & drizzle	Var.	Slight
12. S.W. Scotland	E-NE. up to 10	"	Overcast	V. good	"
13. Isle of Man	"	"	"	"	"
14. N. & N.W. Scotland	N. 10	Rather cool	Overcast, local mist & drizzle	"	"
15. Hebrides	N-NE. 10-15	"	Cloudy	"	"
16. Orkneys and Shetlands	N-NE. 20	"	Overcast, mist & squalls in Shetlands.	Var.	"
17. N.W. Ireland	N. 10	Moderate	Overcast	"	"
18. N.E. Ireland	N-NE. 5-10	Rather cool	Cloudy to overcast.	"	"
19. S.E. Ireland	N. 2	"	Raining	"	Smooth
20. S.W. Ireland	N-NE. 2-10	"	Overcast, local rain.	Var.	Slight



## GENERAL INFERENCE from observations received up to 10 A.M.

A shallow depression is stationary over France, the Channel, and Southern England, and much cloud, with rain at times, is consequently to be expected over the Kingdom generally. The wind will be light, mainly from between N. and E. and the temperature low.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Saturday, 5th July, 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	Wind between N. and NE. light. Cloudy or overcast, some rain or showers. Mist locally.  Temperature continuing low.	The pressure distribution is likely to continue without material alteration, and winds between N. and E. with unsettled, cool weather are still probable.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind N. or NE. light or moderate. Cloudy or dull, some slight rain, mist locally.  Very cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind between NE. and NW. light or moderate. Cloudy or dull, some showers and mist.  Very cool.	



# SYNOPTIC CHART FOR MORNING OF Saturday, 5<sup>th</sup> July, 1919.

Scale - 1:10,000,000  
Nautical Miles. 100 200 300  
Statute Miles. 100 200 300





WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 4th																				
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-19h.	Day, 19h-17h.	to 17h.	Sunrise to Sunset.			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-19h.	Day, 19h-17h.	to 17h.	Sunrise to Sunset.	
Scotland.	Banff ...	o	o	53	48	0.2	-	0.1	0.0	England, N.W.	Southport ...	To-c-o	o-c-o	60	50	3	0.1	0.3	1.0	
	Montrose ...	"	-	60	50	-	-	1.0	3.7		DOUGLAS ...	-	-	56	50	1	3	0.6	6.1	
	St. Andrews ...	o	p	53	49	-	3	0.0	0.8		BLACKPOOL ...	"	-	57	51	7	1	0.0	2.8	
	ODAM ...	o-bc-b	b.	62	45	-	-	1.1	6.4											
England, N.E.	Harrogate ...	bc-c-b	bc-c-p	60	50	16	1	2.1	0.0	Midlands.	Buxton ...	bc-r.	bc	58	48	2	-	0.5	0.6	
	Skegness ...	b-o.	od-bc-o	61	51	2	-	7.6	0.3		Leamington Spa ...	c-bc.	c-b	65	44	-	-	4.2	0.7	
											Malvern ...	2	2	62	51	1	-	0.2	0.2	
											Ross-on-Wye ...	om-c-om	om-gp.	65	48	2	1	1.2	2.5	
England, E.	Felixstowe ...	bc	bc	64	53	1	-	7.6	2.6	Wales.	Rhyl ...	c.	c	59	52	1	-	0.5	1.3	
	Walton-on-Naze ...										Colwyn Bay ...	-	-	57	53	1	-	0.2	1.8	
	Southend-on-Sea ...	o-cm	c-op.	67	51	3	0.1	1.7	1.9		Llandudno ...	op.	c.	59	52	1	0.7	1.0	1.9	
	FOLKESTONE ...	-	-	64	53	-	-	0.7	4.2		Aberystwyth ...	o-c.	c-bc	61	56	-	-	6.5	8.5	
England, S.E.	BRIGHTON ...	-	-	69	55	-	2	0.0	7.5	England, S.W.	TEIGNMOUTH ...	c-bc	bc-c-or	61	47	-	1	4.8	-	
	Margate ...	bc	c	65	52	0.4	-	2.3	1.4		PAIGNTON ...	c.	b.	65	45	-	-	4.3	10.2	
	Ramsgate ...	b	o	63	57	1	-	4.3	2.5		Weymouth ...	c-o-c	bc-d.	65	46	-	-	4.5	7.2	
	Hastings ...	o.	c-o	61	54	-	-	0.1	3.8		Torquay ...	o-c-bc.	bc-c-o	61	49	-	-	4.5	10.5	
	Eastbourne ...	o.	o-o	60	53	-	0.4	0.0	7.7		Penzance ...	b-bc	bc	65	54	-	-	8.1	10.6	
	Worthing ...	o.	r.	62	51	-	1	0.0	5.5		Newquay ...	b	b	59	48	-	-	9.4	12.2	
	Littlehampton ...	bc	r.	62	48	0	2	0.6	8.6		Weston-s-Mare ...	b-bc.	bc-r.	64	49	-	0.1	4.0	7.5	
	Bournemouth ...	-	-	64	44	2	-	4.0	6.5		INFACOMBE ...	2-bc.	bcz	61	54	-	-	9.8	11.8	

SUMMARIES FOR PAST 24 HOURS.											THE BEAUFORT SCALE OF WIND FORCE.		
STATIONS.		WEATHER				Max. Temp. °F.		Min. Temp. °F.		Rainfall.		No.	Limits of Velocity.
		7h-18h	18h-18h	18h-18h	18h-18h	°F.	°F.	°F.	°F.	Day 7h-18h	Night 18h-7h		
†Houton Bay (Orkney)...		fi.e.	oc.	o-bc-p	om	50	44	*	*	*	*	0	Less than 1
Eskdalemuir ...		od-m-om	om-odm	o-om-o	od-m-om	52	44	44	-	0.2	0.0	1	1-3
†Stranraer ...		bc-cz	2-c-o	*	bc	65	43	*	*	*	*	2	4-7
†Lough Foyle ...		c	o2					*	*	*	*	3	8-12
Valencia (Cahirciveen) ...		c-bc-z	c-bc-z	cpz		64	51	48	-	3	5.3	4	13-18
†Anglesey (Llangeflwg) ...		bc-cr	om-r	om-gp	om-r	57	50	*	*	*	*	5	19-24
Falmouth ...		c-bc-y	bc-z	bw	bw	66	50	43	-	-	10.2	6	25-31
†Calshot (Hants) ...		c-op	b-op	c-o	bc	62	51	*	*	*	*	7	32-38
†Capel (Folkestone) ...		c-o2	c2	r-o2	p	59	52	*	*	*	*	8	39-46
Aberdeen ...		od-o	o	od		55	47	45	-	0.2	0.0	9	47-54
†East Fortune ...		af-z-d-o	d-bc-c	o	co	51	47	*	*	*	*	10	55-63
†Howden ...		o-u	c-o					*	*	*	*	11	64-75
†Felixstowe ...		bc-cz	bc-cz	c2	bc-cp	63	53	*	*	*	*	12	Above 75
†Cranwell (Lines) ...		c-bc-c	c-o-c-o	om-c-o	bc-o	65	51	*	*	*	*		
†Bedford ...		bc-cz	2-p-o	*	om-p	66	53	*	*	*	*		
Benson ...		c-o	o-bc		po	66	54	52	1	0.4	*		
London (Kew Obs.) ...		bm-o	o-f-o-u	cu-om-p-om-p-om		64	53	50	1	5	4.8		

LONDON OBSERVATIONS.										SOUTH KENSINGTON (Meteorological Office).			TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
WEATHER.			Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	Humidity %		Vertical Component of Solar Radiation per Square Centimetre during yesterday.			Stations. Sunrise. Noon. Sunset.			
Morning.	Afternoon.	Night.					15 h. G.M.T.	9 h. G.M.T.								
24 HOURS ENDED ON G.M.T. 5 <sup>th</sup>							YESTERDAY.		TO-DAY.							
Greenwich (Royal Observatory)	o	cor	or	65	54	49	9	5.0	86	93						
City (Bunhill Row) ...	*	*	*	*	*	*	*	4.4	*	*						
Westminster (St. James's Park)	*	*	*	65	56	53	6	4.1	87	94						
" (Admiralty Arch)	cm-cod	or	or-pm	66	55	*	5	4.7	80	100	Yarmouth...	{ 3.38	11.57	8.1		
Camden Sq. (British Rainfall)	p	oor	*	70	65	54	5	2.7	82	88	Greenwich	{ 3.39	11.58	8.1		
Kensington Palace ...	or	op	*	65	54	51	5	*	4	93	Greenwich	{ 3.51	12.14	8.1		
Richmond Park ...	*	*	*	*	*	*	*	*	*	*	Wick	{ 3.52	12.5	8.1		
											Total...1393..... Joules.					
											Milliwatts.					
											Average Rate. 22.7			Wick ... { 3.16		
											Maximum Rate. 70			Valencia ... { 3.18		
														Valencia ... { 4.29		
														Valencia ... { 4.30		

NOTES ON THE WEATHER OF YESTERDAY.

Temperature continued low; at a few stations the thermometer rose to about 65°, but failed to touch 60° over a large portion of the Kingdom. Bright sunshine was more prevalent in East Anglia, the South-West of England, and the Southern Hebrides, than elsewhere. Over a considerable portion of Southern and Central England there was less than one hour. Rain fell in most places but the quantity was moderate or slight, and thunderstorms were experienced locally in England and Ireland.

† Air Ministry Station.

\* Information for these columns not usually received.





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

No. 245B SUNDAY... 6<sup>TH</sup> JULY..... 1919.

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

STATIONS.	BAROM.	†	WIND.		Weather.	TEMP.	HUMIDITY.	VISIBILITY.	Height of Low Cloud	Low Cloud.		Upper Cloud.		Sea	BAROM.	†	WIND.		Weather.	TEMP.	HUMIDITY.	VISIBILITY.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea																											
	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.		°F.	%	0-10.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.		°F.	%	0-10.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.																											
	m.b.														m.b.																																								
13H. G.M.T. OF 5H																												18H. G.M.T. OF 5H																											
Houton B. (Orkney)	1021.0	0	NE	5	0	50	92	5	1 1/2-2000	St.	10	-	-	3	1024.3	0	NNE	4	0	50	92	5	1 1/2-2000	St.	10	-	-	3																											
Esksdalemuir	1018.7	+1	NE	3	0	54	75	7	2-3000	St.	10	-	-	*	1018.7	0	NE	2	0	52	82	6	1 1/2-2000	St.	10	-	-	*																											
Stranraer	1028.1	+1	-	0	0	59	87	7	1 1/2-2000	St.	9	-	-	*	1018.1	0	-	0	bc	61	87	6	3-4000	St.	9	-	-	*																											
Lough Foyle	1018.8	0	SW	3	bc	56	87	6	2-3000	Cu	5	A.Cu	1	2	1018.1	0	NNE	2	bc	55	87	6	1 1/2-2000	Cu	7	-	-	1																											
Valencia (Cahire'n)	1016.8	+1	NNE	4	0	55	87	7	1 1/2-1000	St.	10	-	-	3	1017.3	0	N	3	0	59	75	6	1-1500	St.	5	ast	4	3																											
Anglesey (Llangefni)	1016.1	+1	NE	4	bz	61	82	4	4-5000	Cu	1	Cu	1	4	1017.0	+1	NE	2	0	57	75	5	-	-	-	Cu	10	4																											
Falmouth	1014.4	+1	SE	2	bz	61	75	5	-	Cu	2	-	-	*	1014.1	+1	SE	1	2	63	65	5	-	-	-	-	-	*																											
Calshot (Hants)	1013.7	+1	-	0	0	68	75	8	7-9000	Cu	4	A.Cu	5	2	1014.4	0	NNE	1	0	65	92	7	2-3000	St.	7	-	-	4																											
Capel (Folkestone)	1013.3	0	NE	4	c	63	82	6	-	St.	4	A.Cu	4	3	1013.9	+1	NE	2	c	61	82	6	-	St.	7	-	-	3																											
Aberdeen	1019.2	0	NNW	3	0	55	65	7	-	St.	10	-	-	3	1019.7	0	NNW	4	0	52	75	8	-	St.	10	-	-	3																											
East Fortune	1019.3	0	NE	3	0	54	87	6	2-3000	St.	9	-	-	*	1019.3	-	NE	1	0	51	87	6	1-1500	Cu	8	-	-	*																											
Howden														*													*																												
Felixstowe	1014.8	0	ENE	4	c	65	75	6	3-4000	St.	6	A.Cu	1	3	1015.1	0	NE	2	c	64	75	7	-	St.	4	ast	2	3																											
Cranwell (Lincs)	1016.9	+2	NNE	4	0	56	92	5	2-3000	St.	10	-	-	*	1017.9	+1	NE	2	0	54	92	6	1-1500	St.	10	-	-	*																											
Bedford	1015.0	+1	NNE	3	od	60	87	8	1 1/2-2000	St.	10	-	-	*	1015.8	+1	NE	2	T	56	92	8	2-3000	St.	10	-	-	*																											
Benson	1014.0	-1	NE	2	1	58	92	3	-	-	-	-	-	*	1015.2	+1	NE	4	0	58	92	3	-	St.	10	-	-	*																											
London (Kew Obs.)	1013.7	-1	E	4	CZ	66	65	5	-	St.	1	A.St	7	*	1014.6	+2	NNE	3	0	59	92	4	-	Cu	1	-	-	*																											
1H. G.M.T. OF 6H																												7H. G.M.T. OF 6H																											
Houton B. (Orkney)	1022.3	0	NNE	2	0	45	98	5	1-1500	St.	10	-	-	-	1022.3	0	NNE	4	0	44	92	5	1-1500	St.	10	-	-	2																											
Esksdalemuir	1020.9	+1	NNE	2	0	47	92	5	1-1500	St.	10	-	-	*	1021.0	+1	NNE	2	0	47	87	6	1 1/2-2000	St.	10	-	-	*																											
Stranraer	1020.5	+1	-	0	bc	51	98	-	2-3000	St.	5	-	-	*	1020.9	0	-	0	0	52	98	8	4-5000	St.	10	-	-	*																											
Lough Foyle														*													*																												
Valencia (Cahire'n)	1021.8	+4	NNE	2	bc	55	*	*	*	*	*	*	*	*	1020.6	+1	ENE	3	bz	57	75	7	-	-	-	Cu	2	2																											
Anglesey (Llangefni)	1017.2	0	NE	1	om	50	92	-	1-1500	St.	10	-	-	5	1019.3	+2	NE	3	0	54	92	4	3-4000	Cu	9	-	-	3																											
Falmouth	1015.7	+1	NE	4	bm	57	92	5	-	-	-	-	-	*	1016.8	+2	NE	4	02	58	87	4	-	St.	10	-	-	*																											
Calshot (Hants)	1016.2	+2	NNE	1	0	56	92	6	3-4000	St.	10	-	-	4	1017.6	+1	NNE	2	om	54	98	5	3-4000	St.	10	-	-	4																											
Capel (Folkestone)	1016.4	+1	NE	3	0	54	92	6	-	St.	8	-	-	5	1017.5	+2	NE	5	0	53	92	5	4-5000	St.	10	-	-	5																											
Aberdeen	1020.6	0	NNW	3	om	48	87	4	1-1500	St.	10	-	-	*	1021.3	+1	N	4	0	49	75	8	-	St.	10	-	-	3																											
East Fortune	1020.9	+1	NE	1	0	50	92	-	2-3000	Cu	10	-	-	*	1021.3	+?	SSE	3	0	50	92	5	1 1/2-1000	Cu	10	-	-	*																											
Howden														*													*																												
Felixstowe	1016.9	+2	N	3	0	55	87	-	-	St.	10	-	-	4	1019.2	+2	NNE	2	0	51	92	5	1 1/2-1000	St.	10	-	-	3																											
Cranwell (Lincs)	1018.9	0	N	1	0	50	98	4	2-3000	St.	10	-	-	*	1019.5	+2	N	3	0	50	92	7	2-3000	St.	6	A.St	4	*																											
Bedford														*	1019.0	+1	NE	3	om	51	87	?	4-5000	St.	10	-	-	*																											
Benson		*	*	*	*	*	*	*	*	*	*	*	*	*	1018.6	+2	NNE	4	0	49	92	4	-	St.	10	-	-	*																											
London (Kew Obs.)	1017.6	+1	NE	2	bc	54	*	*	*	*	*	*	*	*	1018.4	+2	NNE	3	0	51	92	5	-	St.	9	A.St	1	*																											
(M.O. at Int.)																																																							

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	BAROM. at M.S.L.		TEMP.		WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.	
	m b.	°F.	Direc.	Force 0-12.	at M.S.L. m b.	Change in 3 hours.		Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.	Max. °F.	Min. °F.					Morning.	Afternoon.	Night.				
18H. G.M.T. of 5th								7H. G.M.T. of 6th								24 HOURS ENDED 7H. 6th								5th
Lerwick	1019.9	50	NNE	5	omg	1020.8	0	48	-2	N	4	-	om	3	-	-	-	51	47	omg	omg	om	*	
Stornoway	1021.6	53	ENE	3	c	1023.4	+1	48	-1	NE	2	-	0	1	-	-	-	55	47	c	c	c	10.7	
Castlebay (Barra)	1019.9	57	N	4	c.	1023.3	0	51	0	NNW	2	-	b	2	-	-	-	60	48	c.bc	bc.	c.bc	11.5	
Glasgow	1018.7	60	-	0	02g	1020.9	+1	51	+3	E	2	-	omg	*	-	-	-	62	48	o.c	c.02	omw.og	1.8	
Malin Head	1019.3	57	ENE	3	bcm	1020.6	0	52	+1	N	2	NE	cg	2	-	-	-	60	50	cm	bcm.	bc.	6.3	
Blacksod Point	1018.6	56	NNE	2	by.	1021.4	+1	53	0	NNE	3	-	cg	2	-	-	-	57	52	og	bc	bc.cg	*	
Roche's Point	1016.6	61	E	3	bz.	1019.8	+2	54	+2	NNW	1	-	bz	1	2.1	-	-	62	51	rot.cz	22.bz	bz.	*	
Barr Castle	1017.8	60	NE	1	c	1021.0	*	50	0	NE	1	-	m	*	-	-	-	63	43	oc	c	z	4.7	
Donaghadee	1021.5	59	N	3	bz	?	+1	53	+1	SSW	1	-	ogm	1	-	-	-	59	52	og	bz	bz-gm	*	
Liverpool (Bidston)	1016.4	57	ENE	1	0	1019.9	+2	52	-2	ENE	1	-	0	1	-	-	-	62	50	0	ogm	om	2.3	
Holyhead	1017.1	56	NE	5	c	1018.6	+1	55	+2	ENE	4	-	cm	3	-	-	-	62	51	o.cbcm.	bcm	c.bc.bmi.	6.5	
Pembroke (St. Ann's Head)	1015.2	63	N	2	cz.	1018.7	+2	55	+4	NE	2	-	bz	1	-	-	-	64	51	bcz.	cz	cg.bc	10.4	
Scilly (St. Mary's)	1014.4	60	E	2	bcm.	1016.4	+1	58	+3	E	3	-	bcm	4	-	-	-	62	54	cm	bcm	bcm	10.0	
Jersey (St. Aubin)	1013.2	63	E	2	b	1015.3	0	59	+3	E	3	E	c	3	-	-	-	66	55	c.b.o.bc	c.bc.	bc.	7.8	
Portland Bill	1013.4	61	W	2	bc	1017.0	+2	55	-1	NE	4	-	0	3	-	-	-	64	53	bc	bc	bcm.	*	
Dungeness	1013.1	60	ENE	3	bc	1016.6	+2	56	-3	NE	4	NE	c	4	-	-	-	66	55	c	bc.	c.bc.	*	
Wick	1020.6	51	N	3	omg	1022.0	+1	47	-2	N	3	-	omg	3	0.1	-	-	52	46	omp.g	omg.	omg.	*	
Nairn	1020.6	52	E	1	0	1022.0	*	50	+1	-	0	-	c	0	0.1	-	-	55	47	cg	cg.	og.e.	0.1	
Leith	1018.6	55	ESE	1	0	1020.0	0	50	0	ESE	1	-	0	1	-	-	-	58	49	0	o.c.0	ogm.o.	*	
Lysmouth	1017.7	50	NNE	3	om	1020.5	+2	50	0	NNE	6	-	0	4	Trace	-	-	52	47	omd	om	omg.	0.0	
Spurn Head	1017.1	53	NNE	2	c	1019.7	0	52	0	N	3	-	c	3	0.2	-	-	56	49	c	m.	c	0.0	
Yarmouth (Gorleston)	1015.0	57	NNE	3	c.	1019.3	+1	52	-2	NE	3	-	om	3	-	-	-	62	50	f.bcm.	c	dm	4.8	
Clacton-on-Sea	1014.4	63	NE	4	bc	1018.1	+3	50	-10	NNE	3	-	og	3	-	-	-	67	50	ogm.bc	bc.c.bc	bc.og	3.9	
Nottingham	1016.9	56	E	2	0	1019.8	*	51	-2	NE	2	-	0	*	0.2	-	-	57	50	opd	0	0	0.0	



**EXPLANATION.**  
**BAROMETERS.**—Isobars are drawn at intervals of five millibars.  
**WIND.**—Direction is shown by the arrow lying 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 ½ cloudy.  
 ☂ sky ¾ cloudy.  
 ☄ overcast sky. ● rain.  
 ✱ snow. ▲ hail. ☾ fog.  
 T thunder. F thunder.  
**SEA DISTURBANCE.**—  
 Rough. High sea.

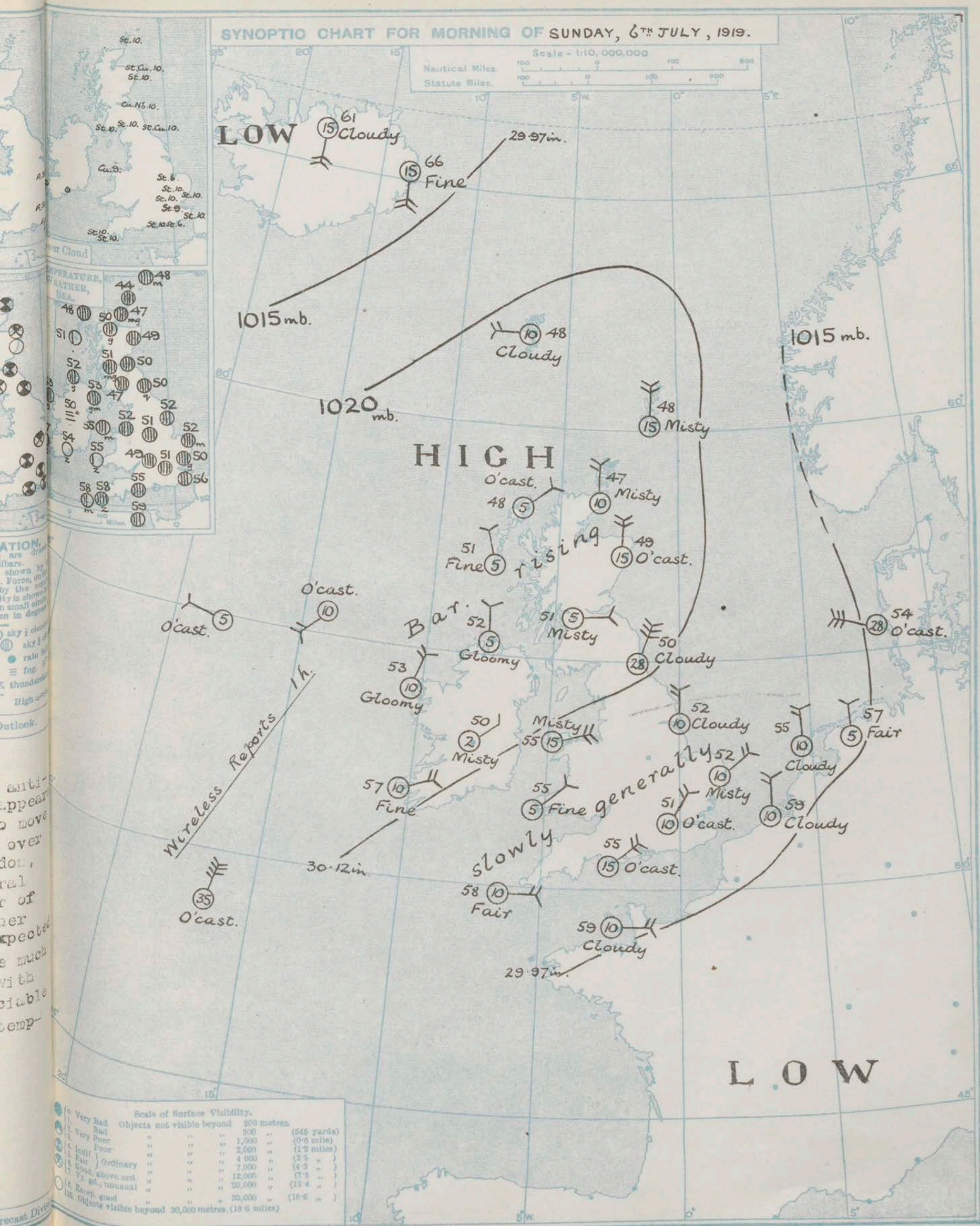
An anticyclone which is now extending over the Kingdom from the Icelandic region will probably bring more stable weather conditions.

As the anti-cyclone appears likely to move directly over the Kingdom, the general character of the weather may be expected to become much fairer, with an appreciable rise of temperature.



# SYNOPTIC CHART FOR MORNING OF SUNDAY, 6TH JULY, 1919.

Scale - 1:10,000,000  
Nautical Miles. 100 0 100 200  
Statute Miles. 100 0 100 200



Wireless Reports 1h.

Scale of Surface Visibility.

Symbol	Description	Objects not visible beyond	metres	yards
1	Very Bad	Objects not visible beyond	200	(220)
2	Bad	"	500	(545)
3	Very Poor	"	1,000	(1,093)
4	Poor	"	2,000	(2,187)
5	Indist.	"	4,000	(4,374)
6	Fair	"	7,000	(7,676)
7	Good, above ord.	"	12,000	(13,120)
8	Very good, unusual	"	20,000	(21,872)
9	Except. good	"	30,000	(32,808)
10	Objects visible beyond	30,000 metres	(32,808)	(36,089)



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 181 B

SUNDAY.  
6<sup>th</sup> JULY.

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 5 <sup>th</sup> JULY.																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 4th...	Day. 9h-17h. 5th...	to 17h. 5th...	Sunrise to Sun- set. 4th...			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 4th...	Day. 9h-17h. 5th...	to 17h. 5th...	Sunrise to Sun- set. 4th...
Scotland,	Banff ... ..	d.o.	c.o.	54	47	1	0.1	0.3	0.1	England, N.W.	Southport ... ..	c.b.c.	b.	65	50	0.1	-	8.9	0.3
	Montrose ... ..										DOUGLAS ... ..	-	-	61	48	-	-	10.6	0.6
	St. Andrews ... ..	b.	bc.o.	64	48	-	-	0.2	1.1										
	OBAN.																		
England, N.E.	Harrogate ... ..	b.o.	a.	55	48	0.4	-	0.0	2.1	Midlands.	Buxton ... ..	r.c.b.g.	bc	58	48	1	-	0.2	0.6
	Skegness ... ..										Leamington Spa...								
											Malvern ... ..								
											Ross-on-Wye ... ..	g.r.m.	omp.m.	62	50	7	0.1	0.1	1.3
England, E.	Felixstowe ... ..	bc.m.	bc.m.	65	56	-	-	3.0	7.6	Wales.	Rhyl ... ..								
	Walton-on-Naze...										Colwyn Bay ... ..								
	Southend-on-Sea...	om.	o.c.	66	56	2	-	1.0	1.7		Llandudno ... ..								
	FOLKESTONE ... ..	-	-	69	51	14	-	4.9	0.7		Aberystwyth ... ..	r.o.c.	bc.o.	65	59	-	-	5.0	6.5
England, S.E.	Margate ... ..	c.	bc	63	55	1	-	1.9	2.8	England, S.W.	PAIGNTON.	b.	bc.b	66	46	-	-	9.2	4.3
	Ramsgate ... ..	b	b	63	56	1	-	3.2	5.2		Weymouth ... ..								
	Hastings ... ..	op.bc	b.bc	66	55	1	-	3.6	0.1		Torquay ... ..	b	b	64	49	-	Tr.	12.2	4.5
	Eastbourne...	o.	bc	68	54	1	-	3.2	0.0		Penzance ... ..								
	Worthing ... ..	o.c.	ct.c	65	54	1	-	3.3	0.0		Newquay ... ..								
	Littlehampton										Weston-s-Mare ... ..								
	Bournemouth ... ..	-	-	71	47	trace	-	7.0	5.0										

SUMMARIES FOR PAST 24 HOURS.														
STATIONS.		WEATHER				Max. Temp. °F.		Min. Temp. °F.		Min. on Grass °F.		RAINFALL.		Sun. Hours.
		7h-18h. 5 <sup>th</sup> .	18h-18h. 6 <sup>th</sup> .	18h-18h. 6 <sup>th</sup> .	1h-7h. 6 <sup>th</sup> .	°F.	°F.	°F.	°F.	°F.	°F.	Day. 7h-18h.	Night. 18h-7h.	
†Houton Bay (Orkney)...		om.o.	o	oe	oe	51	44	*	*	*	*	*	*	*
Eskdalemuir ...		o.	o	o	o	53	45	45	-	-	-	-	-	0.1
†Stranraer ...		o	c.o	c.o.c.o	o	66	43	*	*	*	*	*	*	*
†Lough Foyle ...		cg	bc	bc	bc	62	49	42	2	-	-	3.5		
Valencia (Cahirciveen) ...		o.c.od.o	o.c.at.p	bc	o.bc.bw	62	49	42	2	-	-	3.5		
†Anglesey (Llangefni) ...		om.bc.c	bc.c2	oy	bc.c2	61	49	*	*	*	*	*	*	*
Falmouth ...		b.bc2	bc	bw	bw.o2	65	54	47	-	-	-	13.8		
†Calshot (Hants) ...		c.o	bc.c	bc.c.	c.o.	72	51	*	*	*	*	*	*	*
†Capel (Folkestone) ...		c.o.c	c.o2	c.o	c.o.	65	52	*	*	*	*	*	*	*
Aberdeen ...		od.po	od.o	bc.c	o	55	48	48	0.1	-	-	0.0		
†East Fortune ...		o.	o	o	c.o	54	47	*	*	*	*	*	*	*
†Howden ...								*	*	*	*	*	*	*
†Felixstowe ...		bc.cp.	bc.b.c	bc.c.m	oz	65	50	*	*	*	*	*	*	*
†Cranwell (Lincs) ...		om.o	om.o	c.o	op.	57	48	*	*	*	*	*	*	*
†Bedford ...		p.p.d.	om.	om.	om	66	48	*	*	*	*	*	*	*
Benson ...		or	or.o	o	o	62	49	52	1	1	*	*	*	*
London (Kew Obs.) ...		om.om.m.c.p	op.o.p.o	o.o.m.o	o.o.m.o	67	50	50	4	Trace	1.5			

**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. i 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	1-2	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	28.5-33.6
12	Above 75	33.6 or above

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 1=moderate, 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.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall.	Sun- shine to Sunset.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning.	Afternoon.	Night.				mm.	Hours.	15 h. G.M.T.	9 h. G.M.T.					
	24 HOURS ENDED 9H G.M.T. ... 6 <sup>th</sup> JULY.								YESTERDAY.				TO-DAY.		
	Vertical Component of Solar Radiation per Square Centimetre during yesterday.														
Greenwich (Royal Observatory)	o.	c.od	od	69	50	51	-	2.8	75	90		Stations.	Sunrise.	Noon.	Sunset.
City (Bunhill Row)	*	*	*	*	*	*	*	1.6	*	*		G.M.T.	G.M.T.	G.M.T.	
Westminster (St. James's Park)	*	*	*	*	*	*	*	1.7	*	*		Yarmouth...	3.39	11.58	8.16
" (Admiralty Arch)	om.c.bc	c.om	cm.o	69	56	*	-	1.8	83	80		Greenwich	3.40	11.58	8.15
Camden Sq. (British Rainfall)	b.bc	bc.c	*	72	54	53	-	1.9	67	82		Wick	3.52	12.5	8.16
Kensington Palace	or	o	*	69	50	50	0.7	*	*	85		Valencia ...	3.53	12.5	8.16
Richmond Park	*	*	*	*	*	*	*	*	*	*		Total ... 912.9 Joules.	3.18	12.47	9.15
												Milliwatts.	3.19	12.47	9.14
												Average Rate. 15.4	4.30	12.46	9.0
												Maximum Rate. 78	4.31	12.46	9.0

## NOTES ON THE WEATHER OF YESTERDAY.

Temperature again failed to reach 60° at several of the more Northern stations, but rose to about 65° generally, and to a higher figure in some localities; at Bournemouth the maximum was 71° and at Calshot 72°. Showers were experienced in many places and thunder occurred at Worthing and Roche's Point. Bright sunshine was abundant in the extreme SW of England and in the Isle of Man, but in the Eastern and North-eastern districts the records were moderate to very small - at some stations the day was sunless.





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

No 21,046B MONDAY, 7th JULY, 1919.

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

STATIONS	BAROM.	†	WIND.		TEMP.	HUMIDITY.	VISIBILITY.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea	BAROM.	†	WIND.		TEMP.	HUMIDITY.	VISIBILITY.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea										
	at M.S.L.	Change in 3 hours.	Force	Direction					Weather	°F.	0-10.	Feet.		Form.	Amt. 0-10.	Form.	Amt. 0-10.					0-9.	at M.S.L.	Change in 3 hours.	Force		Direction	Weather	°F.	0-10.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.
	m.b.		9-12.							%	0-10.												m.b.						%	0-10.						
13H. G.M.T. 6th														18H. G.M.T. OF 6th																						
†Houton B. (Orkney)	1023.4	+1	N	2	0	46	92	8	1-1500	ST	10	-	-	2	1023.3	0	N	3	0	45	87	6	2-3000	ST	10	-	-	2								
Eskdalemuir ...	1021.2	0	NE	2	0	54	75	7	2-3000	ST	10	-	-	*	1020.9	-1	E	2	0	57	75	6	3-4000	ST	8	-	-	*								
†Stranraer ...	1021.6	+1	-	0	0	55	92	8	2-3000	ST	10	-	-	*	1021.6	-2	-	0	0	57	92	7	3-4000	CU	1	CU	1	*								
†Lough Foyle ...	1022.3	0	NNW	2	0	57	87	7	1-1000	ST	10	-	-	1	1022.3	-1	NNW	1	0	53	87	5	1-1500	ST	10	-	-	1								
Valencia (Cahire'n)	1021.2	0	NNW	3	0	66	65	8	2-3000	CU	1	CU	2	3	1020.6	-1	NNW	3	0	63	65	8	2-3000	CU	1	-	-	3								
†Anglesey (Llangefni)	1013.5	0	NE	3	0	60	65	7	5-7000	CU	2	-	-	3	1013.8	-1	NE	2	0	58	75	7	-	-	-	CU	2	3								
Falmouth ...	1017.9	+1	ESE	3	0	62	75	3	-	CU	8	CU	1	*	1018.5	0	ESE	1	0	59	82	5	-	ST	10	-	-	*								
†Calshot (Hants) ...	1018.5	0	NNE	1	0	62	75	6	1-1000	ST	10	-	-	1	1018.3	0	NE	1	0	61	75	4	1-1500	ST	10	-	-	3								
†Capel (Folkestone)	1010.7	0	NE	3	0	55	87	5	5-7000	ST	10	-	-	4	1018.6	0	ENE	3	0	54	92	8	-	ST	10	-	-	5								
Aberdeen ...	1022.1	+1	NNW	4	0	53	65	8	-	ST	10	-	-	3	1021.8	0	N	3	0	51	65	8	-	ST	10	-	-	3								
†East Fortune ...	1022.5	+1	NE	1	0	52	40	6	2-3000	ST	10	-	-	*	1021.5	-1	ENE	1	0	53	75	6	3-4000	ST	2	CU	1	*								
†Howden ...														*													*									
†Felixstowe ...	1018.9	-0	NNE	2	0	61	65	6	2-3000	ST	10	-	-	2	1018.4	0	NNE	2	0	59	65	6	-	ST	10	-	-	3								
†Cranwell (Lincs)	1020.0	+1	N	2	0	55	87	8	2-3000	ST	10	-	-	*	1020.0	0	N	1	0	55	87	7	1-2000	ST	10	-	-	*								
†Bedford ...	1019.4	+1	NNE	1	0	57	75	3	5-7000	ST	10	-	-	*	1019.2	0	NE	2	0	58	75	3	3-4000	ST	10	-	-	*								
Benson ...	1019.1	+1	NNE	2	0	58	75	5	-	-	-	-	-	*	1017.5	0	NE	2	0	62	75	6	-	CU	5	-	-	*								
London (Kew Obs.)	1018.9	-1	NNE	3	0	59	75	5	1-1500	NB	1	CU	5	*	1018.5	0	NE	3	0	60	75	5	-	ST	10	-	-	3								
1H. G.M.T. OF 7th														7H. G.M.T. OF 7th																						
†Houton B. (Orkney)	1023.0	-1	N	1	0	44	98	8	1-1500	ST	10	-	-	2	1021.8	-1	-	0	0	45	82	8	4-500	ST	10	-	-	1								
Eskdalemuir ...	1021.9	0	NE	1	0	46	92	5	-	ST	10	-	-	*	1021.5	0	NE	1	0	47	92	5	1-2000	ST	10	-	-	*								
†Stranraer ...	1021.1	0	-	0	0	52	98	-	2-3000	ST	10	-	-	*	1020.9	+1	-	0	0	52	98	6	1-2000	ST	10	-	-	*								
†Lough Foyle ...														*	1020.4	0	NNW	2	0	51	87	7	1-1500	ST	10	-	-	*								
Valencia (Cahire'n)	1021.1	0	ESE	1	0	53	*	*	*	*	*	*	*	*	1020.3	0	-	0	CG	55	92	6	-	ST	10	-	-	2								
†Anglesey (Llangefni)	1020.0	-0	NE	1	0	51	98	-	-	CU	4	-	-	2	1019.9	0	-	0	0	55	82	4	2-3000	ST	10	-	-	2								
Falmouth ...	1018.8	0	E	2	0	54	98	5	-	ST	7	-	-	*	1018.6	+1	E	1	0	56	98	1	-	ST	10	-	-	*								
†Calshot (Hants) ...	1019.6	+1	NE	1	0	55	87	6	1-1500	ST	10	-	-	4	1019.8	0	NE	2	0	55	87	5	1-2000	ST	10	-	-	4								
†Capel (Folkestone)	1001.7	0	NE	2	0	51	92	8	-	ST	10	-	-	3	1019.4	0	NNE	3	0	49	92	6	1-2000	ST	10	-	-	2								
Aberdeen ...	1021.6	0	NW	1	0	45	92	5	1-2000	NB	10	-	-	*	1021.5	0	NNW	2	0	47	82	7	-	ST	10	-	-	2								
†East Fortune ...	1022.5	0	ESE	1	0	49	92	-	3-4000	ST	10	-	-	*	1021.5	+2	ENE	1	0	50	87	5	2-3000	ST	10	-	-	*								
†Howden ...														*													*									
†Felixstowe ...	1019.8	0	N	2	0	51	92	-	-	-	-	-	-	3	1019.7	0	NNE	2	0	52	87	6	-	ST	10	-	-	3								
†Cranwell (Lincs)	1015.1	-1	N	1	0	54	98	5	2-3000	ST	10	-	-	*	1020.4	+1	NNW	1	0	49	98	4	1-1000	ST	10	-	-	*								
†Bedford ...														*	1019.6	0	NNE	2	0	50	82	2	5-7000	ST	10	-	-	*								
Benson ...		*	*	*	*	*	*	*	*	*	*	*	*	*	1019.2	+1	NE	1	0	51	92	4	-	CU	10	-	-	*								
London (Kew Obs.)	1019.6	+0	NNE	2	0	54	*	*	*	*	*	*	*	*	1019.7	0	N	2	0	50	87	5	-	ST	10	-	-	3								

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.	TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea	Rainfall	TEMP.		WEATHER.			Sunshine		
	at M.S.L.					at M.S.L.	Change in 3 hours.	Temp.	Change in 24 hours.	Direc.					Force 0-12.	Max. °F.	Min. °F.	Morning.	Afternoon.		Night.	Hours.
	m b.	°F.	Direc.	Force 0-12.		m b.		°F.														
	18H. G.M.T. of ... 6th					7H. G.M.T. of ... 7th					24 HOURS ENDED 7H. ... 7th					6th						
Lerwick	1021.3	49	N	3	om	1020.0	-1	50	+2	NNW	2	NW	cm	1	-	51	44	om	om	om	*	
Stornoway	1022.9	51	NE	3	bc	1021.6	0	48	0	ENE	2	-	0	1	-	54	45	0.	o. bc	c.o	6.8	
Castlebay (Barra Is)	1021.8	55	NW	4	b.	1020.7	0	51	0	W	2	-	0	2	-	57	46	bc	bc.b	b.o	13.8	
Glasgow	1020.0	60	NE	1	bc	1021.1	0	50	-1	E	2	-	0	*	-	64	46	om	bc.bcm	c.om	4.6	
Malin Head	1021.3	53	N	2	og	1020.7	0	51	-1	NNW	1	-	og	1	-	55	50	og	og	og	0.3.	
Blacksod Point	1022.2	54	NNE	3	og	1020.4	0	51	-2	NNE	2	-	og	2	-	56	51	og	og	og	*	
Roche's Point...	1020.4	59	-	0	c	1019.9	-1	58	+4	WNW	1	-	0	1	-	65	54	b2. bc	bc.	c.og	*	
Birr Castle	1020.3	63	NNE	1	m	1020.1	*	54	+4	N	1	-	0	*	-	63	49	og	og	o	0.0.	
Donaghadee	1023.8	59	SE	2	bcm	?	+1	52	-1	ENE	2	-	0	2	-	59	52	ogm	bcm	bcm.om	*	
Liverpool (Bidston)	1019.9	56	NNW	4	0	1020.2	+1	51	-1	ESE	3	-	0	2	-	58	49	0.	c.o	o	0.3	
Holyhead	1020.1	58	ENE	3	b2	1019.2	0	56	+1	ENE	2	-	cm	0	-	63	52	c.bcm	c.bc.b	b2.bm.c	9.0	
Pembroke (St. Ann's Head)	1018.8	61	NNE	3	b	1019.3	+1	55	0	ENE	2	-	om	1	-	66	55	b2. bc	bc.b	bc	10.8	
Scilly (St. Mary's)	1018.6	59	E	2	om	1018.3	-1	58	0	E	2	E	cm	2	-	64	54	om	om	om.cm	2.3	
Jersey (St. Aubin)	1016.7	61	NE	5	0	1017.3	0	57	-2	NE	3	-	og	3	-	68	56	c. bc	c.o	o.b.og	4.0	
Portland Bill	1017.5	59	NE	2	c	1018.2	0	56	+1	NE	5	NE	0	4	-	62	53	0.	o.cm	mc. o.	*	
Dungeness	1017.4	57	ENE	4	bc	1018.2	0	53	-3	NE	3	NE	c	2	-	66	52	c.o.c.	c. bc	c.o.c	*	
Wick	1022.4	48	NW	2	omg	1021.2	-1	47	0	NNW	2	-	omg	2	-	50	45	omg	omg	omg	*	
Nairn	1021.8	53	E	1	bc	1021.4	*	48	-2	-	0	-	cg	1	-	56	46	c.bc	bc	bc.cg	5.8	
Leith	1020.3	55	E	2	bc	1020.6	0	50	0	E	1	-	0	1	-	58	49	0	o. bc	bc.cb	*	
Tynemouth	1020.7	50	NNE	4	og	1020.2	0	49	-1	NNE	3	-	c	3	-	51	46	cm	cg	og.or.o	*	
Spurn Head	1019.7	53	N	3	0	1019.8	0	50	-2	N	3	NE	0	4	Trace	56	50	c.	c.o	opd	0.0	
Yarmouth (Gorleston)	1018.4	54	N	3	c	1018.4	+1	52	0	N	2	-	0	2	-	58	51	c.	c.	cd.o	0.0	
Clacton-on-Sea	1018.7	57	ENE	3	c	1019.0	0	51	+1	N	2	-	og	2	-	62	50	og.c.	c.bc.c	c.og	2.2	
Nottingham	1019.9	55	NNE	2	0	1020.4	*	50	-1	N	1	N	0	*	-	57	49	0	o	o	0.0	



# SUMMARY OF CONDITIONS AT 7 A.M. Monday, 7th July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NE. 2-10	Cool	Overcast with low cloud	Good	Slight
2. E. England	NNE. 5	"	" " " "	"	"
3. E. Midlands	N. 2-5	"	Overcast, with low cloud	Poor	-
4. W. Midlands	NE. 2	"	Overcast with low cloud	Ord.	-
5. S.W. England	E-NE. 2-5	Mod.	Cloudy to overcast, mist	V. poor	Smooth
6. South Wales	ENE. 5	"	Overcast, misty.	-	"
7. North Wales	ENE. up to 5	"	Cloudy to overcast, local mist.	Var.	"
8. N.W. England	E. 10	Cool	Overcast	-	Slight
9. N. Midlands	N. 2	"	Overcast	Ord.	-
10. N.E. England	N-NNE. 10	"	Cloudy to overcast.	"	Mod.
11. E. Scotland	E-N. 2-10	Rather cool.	Overcast with low cloud	Good	Slight
12. S.W. Scotland	E-NE. up to 5	"	" " " "	"	"
13. Isle of Man	" 5	"	" " " "	"	"
14. N. & N.W. Scotland	NNW. 5-10	"	Overcast, with low cloud, local mist.	-	Smooth
15. Hebrides	Light var.	"	Overcast.	-	"
16. Orkneys and Shetlands	NNW. up to 5	"	Cloudy, mist in Shetlands	Poor	"
17. N.W. Ireland	NNE. 5	Cool	Overcast	-	"
18. N.E. Ireland	N-NE. 2	R. cool	Overcast, local mist.	-	Smooth
19. S.E. Ireland	N. 2	Moderate	Overcast	-	"
20. S.W. Ireland	Light var.	"	Cloudy to overcast, local haze.	Ord.	"

GENERAL INFERENCE from observations received up to 10 A.M.

An anticyclone over the Eastern Atlantic and British Isles is likely to maintain its position. Cloudy to overcast weather with light winds and comparatively low temperature are expected to continue.

**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 per hour by figures in small circles.  
**TEMPERATURE.**—Isobars are drawn at intervals of one degree.  
**WEATHER SYMBOLS.**—  
 ○ clear sky. ○ sky + clouds  
 ○ sky + clouded. ○ sky + rain  
 ○ overcast sky. ● rain falling  
 \* snow. ▲ hail. ≡ fog  
 T thunder. F thunderstorm  
**SEA DISTURBANCE.**—  
 Rough High

Further Outlook.

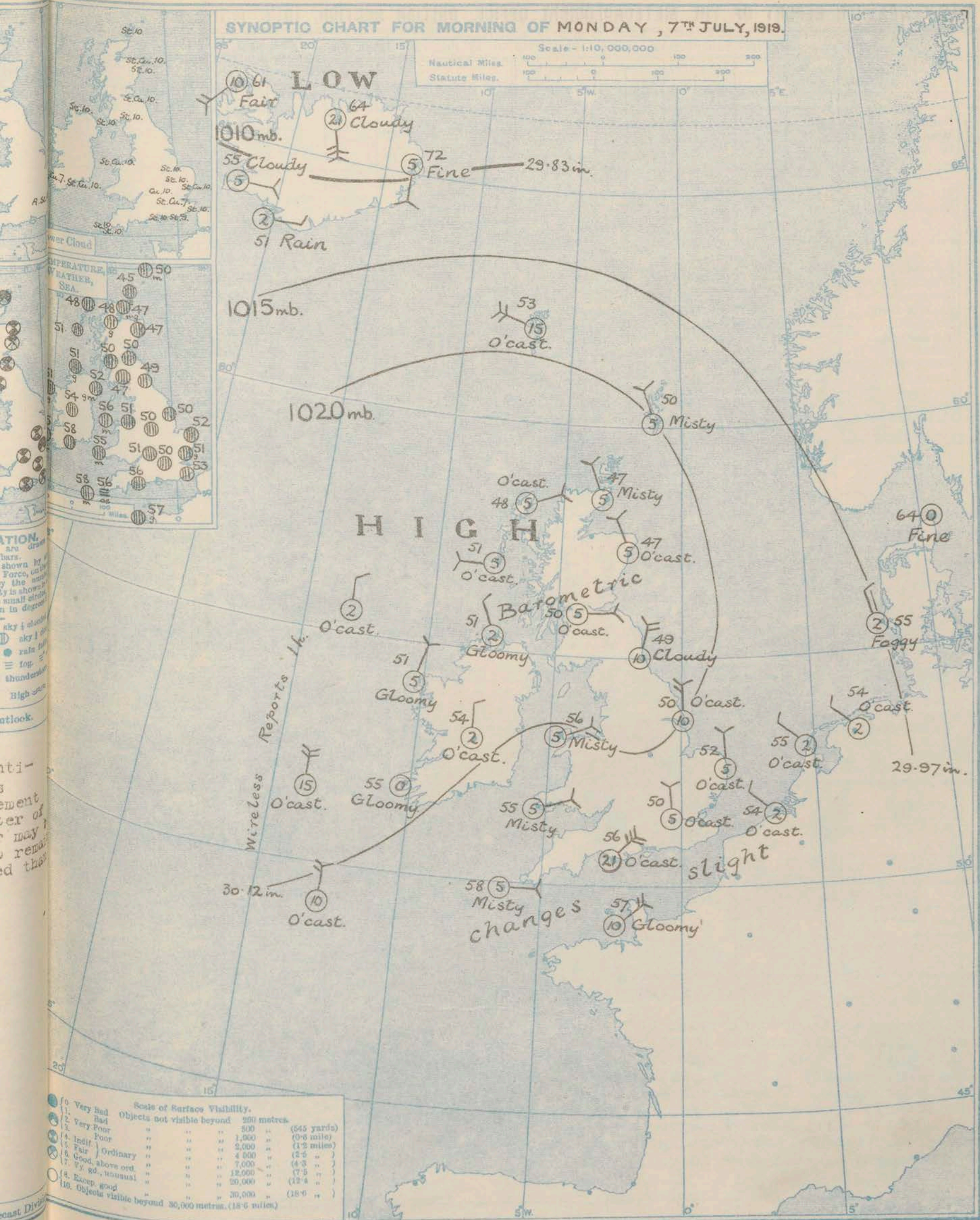
As the anti-clone shows little movement the character of the weather may be expected to remain more settled than of late.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Monday, 7th July, 1919	Further Outlook.
1. S.E. England	Light Nly or NEly. breezes. Cloudy to dull.	As the anti-clone shows little movement the character of the weather may be expected to remain more settled than of late.
2. E. England	Very cool.	
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales	Light NEly. or variable breezes. Cloudy to dull,	
7. North Wales	local mist or fog. Very cool.	
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	Light to moderate Nly. or NWly. breezes.	
15. Hebrides	Dull or cloudy. Cool.	
16. Orkneys and Shetlands		
17. N.W. Ireland		
18. N.E. Ireland	Same as 4-13	
19. S.E. Ireland		
20. S.W. Ireland		



# SYNOPTIC CHART FOR MORNING OF MONDAY, 7<sup>th</sup> JULY, 1919.

Scale - 1:10,000,000  
Nautical Miles. 0 100 200  
Statute Miles. 0 100 200





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No 188..B

Monday,  
7th July.

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 6th																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h. 5th.	Day. 19h-17h. 6th.	to 17h. 6th.	Sunrise to Sunset. 5th.			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h. 5th.	Day. 19h-17h. 6th.	to 17h. 6th.	Sunrise to Sunset. 5th.
Scotland.	Banff ... ..	o	o	52	47	-	-	0.0	0.1	England, N.W.	Southport ... ..								
	Montrose ... ..																		
	St. Andrews ... ..																		
England, N.E.	Harrogate ... ..	o	o	53	47	-	-	0.0	2.1	Midlands.	Buxton ... ..								
	Skegness ... ..										Leamington Spa... ..	bc	bc	62	52	-	-	2.9	4.2
											Malvern ... ..								
England, E.	Felixstowe ... ..	o.	bc	64	50	-	-	2.6	10.0	Wales.	Rhyl ... ..	c	c	65	50	-	-	0.2	0.5
	Walton-on-Naze...										Colwyn Bay ... ..	-	-	59	50	-	-	0.6	0.2
	Southend-on-Sea...	om.o.c.	bc.c	66	50	-	-	1.3	1.4		Llandudno ... ..	o.	c.b	61	52	-	-	4.0	1.0
	FOLKESTONE	-	-	61	54	-	-	1.3	1.2		Aberystwyth ... ..								
England, S.E.	BRIGHTON... ..	-	-	62	54	-	-	2.3	0.0	England, S.W.	Paisley ... ..	o	o	55	52	-	-	0.0	-
	Margate ... ..										Weymouth ... ..								
	Ramsgate ... ..			58	52	-	-	3.4	4.4		Torquay ... ..	o.	o	61	56	-	-	0.0	8.1
	Hastings ... ..	bc.o.	o.c	61	54	-	-	0.4	0.5		Penzance ... ..	o.	o.c	61	55	-	-	0.8	10.1
	Eastbourne... ..	o.	o.	60	53	-	-	0.0	0.7		Newquay ... ..	o	o	63	52	-	-	0.3	1.8
	Worthing ... ..	o.bc.	o	61	54	-	-	?	0.3		Weston-s-Mare ... ..								
	Littlehampton	o.	bc	70	54	-	-	0.6	1.8										
	Bournemouth ... ..	-	-	63	53	-	-	0.2	5.2										

SUMMARIES FOR PAST 24 HOURS.											BEAUFORT NOTATION.			THE BEAUFORT SCALE OF WIND FORCE.		
STATIONS.	WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.		Sun. Hours.	Limits of Velocity.					
	7h-13h.	13h-18h.	18h-1h.	1h-7h.				Day. 7h-18h.	Night. 18h-7h.		No.	Statute miles per hour.	Motres per second.			
†Houton Bay (Orkney)...	oe.	o	c.o.c.o	of.	50	42	*	*	*	0.3	0	Less than 1	Less than 0.3			
Eskdalemuir ...	o	o.c	o	o	57	45	37	-	-	0.1	1	1-5	0.3-1.5			
†Stranraer ...	o	b.bc	c.o.c.o	o	63	48	*	*	*	*	2	4-7	1.6-2.3			
†Lough Foyle ...	bc	o	o	o	57	50	*	*	*	*	3	8-12	5.4-6.4			
Valencia (Cahiriveen) ...	bc	by bc	bc	bc.c	66	50	45	-	-	13.1	4	13-18	5.5-7.9			
†Anglesey (Llangefni) ...	bcc.b.c	b.bc	b.c.b.c	om	61	47	*	*	*	*	5	19-24	8.0-10.7			
Falmouth ...	om.o.c	om	om.b.c	c.o.f	62	52	44	-	-	0.1	6	25-31	10.8-13.8			
†Calshot (Hants) ...	b.o	om	b.o	b.o	63	52	*	*	*	*	7	32-38	13.0-17.1			
†Capel (Folkestone)...	o	c.v.	c.v.	?	65	49	*	*	*	*	8	39-46	17.2-20.7			
Aberdeen ...	o	o.c.o	o.p.d	o	54	46	45	-	-	0.1	9	47-54	20.8-24.4			
†East Fortune ...	o	c.o	c.o	o	55	48	*	*	*	*	10	55-63	24.5-28.4			
†Howden ...							*	*	*	*	11	64-75	28.5-33.5			
†Felixstowe ...	c.o	c.o.c	c.o	c.o	61	50	*	*	*	*	12	Above 76	33.6 or above			
†Cranwell (Lincs) ...	ov.	v.o	og	om.p.d	56	48	*	*	*	*						
†Bedford ...	om	om	om	om	62	48	*	*	*	*						
Benson ...	o	bc	c.o	c.o	65	49	47	-	-	*						
London (Kew Obs.) ...	o.c	c.o.c	bc.o	bc.o	63	50	50	-	-	2.2						
											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. i 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.					
											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			

## 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. i 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.	Motres 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 76	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.											SOUTH KENSINGTON. (Meteorological Office).			TABLE SHOWING THE GREENWICH TIME OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rain- fall. in.	Sun- shine to Sunset. HOURS.	HUMIDITY %								
Morning.	Afternoon.	Night.							15 H. G.M.T.	9 H. G.M.T.							
24 HOURS ENDED 24 G.M.T. ... 7 <sup>th</sup> ...								YESTERDAY.	TO-DAY.								
Greenwich (Royal Observatory)	o	c	o	67	49	49	-	1.2	76	88	Vertical Component of Solar Radiation per Square Centimetre during yesterday.						
City (Bunhill Row) ...	*	*	*	*	*	*	*	2.9	*	*							
Westminster (St. James's Park)	bc	bc	o	65	51	51	-	2.7	80	90							
" (Admiralty Arch)	om.c	bc.c	om.o	65	51	*	-	2.5	65	74	Yarmouth... { 3.40 11.58 8.15						
Camden Sq. (British Rainfall)	-	-	*	69	52	52	-	2.9	-	80	Greenwich { 3.53 12.5 8.16						
Kensington Palace ...	o.	bc	*	66	49	49	-	*	*	82.	Wick ... { 3.20 12.17 8.15						
Richmond Park ..	*	*	*	*	*	*	*	*	*	*	Valencia ... { 4.32 12.46 8.25						
											Total. <del>1146</del> 1243 Joules.						
											Milliwatts.						
											Average Rate. 20.7						
											Maximum Rate. 73						

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

7th July 1919.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	3.40	11.58	8.15
	3.41	11.58	8.15
Greenwich	3.53	12.5	8.16
	3.54	12.5	8.16
Wick ...	3.19	12.17	9.13
	3.20	12.17	9.13
Valencia ...	4.31	12.46	6.59
	4.32	12.46	6.59

## NOTES ON THE WEATHER OF YESTERDAY.

Temperature did not reach 60°F. over most of Scotland and the north of Ireland nor at many stations in England, notably at Tynemouth, Yarmouth and Nottingham. The maximum nowhere reached 70°F., the highest reported being 69°F. at London (Kensington Gardens). Over Scotland and along the west coasts sunshine amounts were fair, 13.8 hours

being measured at Castlebay; 13.1 hours at Valencia and 10.8 hours at Pembroke. On the east and south-east coasts sunshine amounts were very small. There was some drizzle in the north-east of England, elsewhere there was no rain.

† Air Ministry Station.

\* Information for these columns not usually received.





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

No 21,47B TUESDAY, 8th JULY, 1919.

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

STATIONS.	BAROM.	†	WIND.		Weather	TEMP.	%	Visibility.	Height	Low Cloud.		Upper Cloud.		Sea	BAROM.	†	WIND.		Weather	TEMP.	%	Visibility.	Height	Low Cloud.		Upper Cloud.		Sea
	at	Change		Force		°F.	Humidity.	0-10.	Feet.	Form.	Amt.	Form.	Amt.	0-9.	M.S.L.	Change		Force		°F.	Humidity.	0-10.	Feet.	Form.	Amt.	Form.	Amt.	0-9.
	m.b.	in 3 hours.	Direc.	0-12.							0-10.				m.b.	in 3 hours.	Direc.	0-12.										
13H. G.M.T. .... 7th														18H. G.M.T. OF .... 7th														
Houton B. (Orkney)	1021.7	0	WNW	3	0	49	92	6	1-1500	Sr	10	-	-	2	1021.3	0	NNW	3	bc	50	92	6	2-3000	Sr	5	-	-	2
Eskdalemuir ...	1020.6	-1	NNE	2	0	54	82	6	1-2000	Sr	10	-	-	*	1018.3	-2	SSW	2	b2	62	65	6	3-4000	Cu	1	-	-	*
Stranraer ...	1020.7	+1	-	0	2	52	92	6	1-2000	Sr	10	-	-	*	1020.6	0	NNE	3	bc	53	87	6	3-4000	Cu	2	-	-	*
Lough Foyle ...	1021.0	-2	WNW	2	0	55	75	7	2-2000	S.Cu	9	-	-	1	1019.4	-1	NNW	1	b2c	59	92	6	2-3000	Sr	5	A.Cu	4	-
Valencia (Cahire'n)	1019.8	0	-	-	b2	59	87	7	2-3000	Cu	2	A.Sr	6	2	1019.2	-1	WNW	2	0.2	59	87	7	2-3000	Sr	6	A.Sr	4	2
Anglesey (Llangefni)	1019.1	0	ENE	3	⊕	62	65	4	-	-	-	C.Sr	0	3	1018.0	-2	RSE	3	odm	56	87	4	-	Nb.	10	-	-	*
Falmouth ...	1019.3	0	SE	2	om,	58	87	4	-	Sr	10	-	-	*	1017.7	-3	NNE	2	om,	59	75	4	2-3000	Sr	10	-	-	4
Calshot (Hants) ...															1018.3	-2	ENE	3	v	54	82	8	-	Sr	10	A.Cu	8	3
Capel (Folkestone)																												
Aberdeen ...	1021.2	0	E	3	b	58	65	8	-	Sr	2	-	-	2	1020.3	-1	E	3	b	52	75	8	-	Sr	1	-	-	2
East Fortune ...	1021.2	+1	NE	3	bc	56	75	6	2-3000	S.Cu	1	A.Cu	3	*	1020.0	-1	ENE	2	b	54	75	7	-	-	-	-	-	*
Howden ...																											*	
Felixstowe ...															1019.0	-1	E	2	0	56	82	7	4-5000	Sr	10	-	-	-
Cranwell (Lines)	1020.5	+1	NNE	2	0	52	92	5	2-3000	Sr	10	-	-	*	1019.3	-1	NNE	1	0	54	87	6	3-4000	Sr	10	-	-	*
Bedford ...	1020.0	0	NE	2	om,	56	75	2	5-7000	Sr	10	-	-	*	1019.9	0	ENE	2	om,	57	75	3	4-5000	Sr	10	-	-	*
Benson ...	1019.4	0	NE	2	om,	54	75	5	-	-	-	-	-	*	1018.6	-2	NE	2	0	56	75	5	-	Sr	10	-	-	*
London (Kew Ob.)	1019.8	0	NE	2	om,	55	75	5	-	S.Cu	8	A.Sr	2	*	1018.0	-2	NE	2	om,	57	65	5	-	S.Cu	7	A.Sr	3	*
1H. G.M.T. OF .... 8th														7H. G.M.T. OF .... 8th														
Houton B. (Orkney)	1021.3	-1	NW	2	ef	44	97	0	500	Sr	10	-	-	-	1020.8	0	NW	5	0	46	97	-	1-500	Sr	10	-	-	2
Eskdalemuir ...	1020.1	0	-	0	2	42	92	5	-	Cu	1	-	-	-	1019.9	0	NE	3	om	44	97	4	1-1000	Sr	10	-	0	*
Stranraer ...	1019.3	-1	-	0	b	48	97	-	2-3000	Sr	3	-	-	*	1017.0	+1	NNW	2	b2	55	92	6	1-1500	Fr.Cu	2	-	-	*
Lough Foyle ...	1020.9	0	-	0	b	48	97	6	-	-	-	A.Sr	3	*	1021.2	0	-	0	50	97	8	1-1500	Sr	10	-	-	*	
Valencia (Cahire'n)															1020.6	+1	NW	3	0.3	54	92	6	1-1500	Sr	10	-	0	2
Anglesey (Llangefni)	1018.6	0	ENE	1	0	54	92	-	1-2000	Sr	10	-	-	2	1018.4	+1	NE	2	2	58	82	3	-	-	Ci	8	2	
Falmouth ...	1018.0	0	BNE	2	og	57	97	4	-	Sr	10	-	-	*	1017.9	+2	-	0	om	56	97	3	-	Sr	10	-	-	*
Calshot (Hants) ...	1017.6	0	SW	1	0	53	82	4	-	Sr	10	-	-	4	1017.3	0	NNE	1	0	54	82	7	1-2000	Sr	10	-	-	4
Capel (Folkestone)	1017.6	+2	BNE	3	0	51	92	7	4-5000	Sr	10	-	-	2	1015.6	-2	NE	4	cu	52	92	8	-	SrCu	4	A.Sr	4	5
Aberdeen ...	1020.2	0	W	2	om,	46	92	4	1-2000	Sr	10	-	-	*	1020.4	+1	NNW	4	0	49	92	7	-	Sr	10	-	-	2
East Fortune ...	1020.8	0	E	1	b	43	97	5	3-4000	S.Cu	1	-	-	*	1020.7	+1	NE	?	0	49	87	5	1-1500	SrCu	10	-	-	*
Howden ...																											*	
Felixstowe ...	1018.1	-2	N	3	0	50	92	-	-	Sr	10	-	-	2	1017.0	0	N	2	7m	51	97	2	-	Sr	10	-	-	3
Cranwell (Lines)	1019.0	-2	-	0	b	45	97	7	3-4000	Sr	3	C.Sr	1	*	1018.7	0	NNE	2	0	49	92	7	2-3000	SrCu	8	-	-	*
Bedford ...															1017.8	-1	NNE	2	d	50	82	?	3-4000	Sr	10	-	-	*
Benson ...		*	*	*	*	*	*	*	*	*	*	*	*		1017.2	+1	NNE	2	0	49	92	5	-	SrCu	10	-	-	*
London ...															1017.1	+1	N	3	0	51	75	5	-	SrCu	7	A.Cu	3	*
(M.O. at 1m)	1017.8	-1	N	3	0	51	*	*	*	*	*	*	*															

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.
			Direc.	Force 0-12.		M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
18H. G.M.T. of 7th						7H. G.M.T. of 8th						24 HOURS ENDED 7H. 8th						7th			
Lerwick	1019.5	57	W	3	bcm	1019.1	0	50	0	NW	2	-	cm	1	-	60	44	bcm	bcm	cm	*
Stornoway	1020.4	52	ENE	3	b	1021.5	0	47	-1	-	0	-	0	0	-	53	45	ob	b	o	9.3
Castlebay (Barrals)	1020.3	54	NE	2	om	1020.9	+1	51	0	-	0	-	0	1	-	55	50	cg.o	om	omo	2.4
Glasgow	1018.9	62	SW	2	c	1020.6	+1	47	-3	E	2	-	omg	*	-	63	44	om	c.bc.cm	c.bc3.o	5.1
Malin Head	1020.1	58	NE	2	bc	1019.9	0	51	0	W	1	-	og	1	-	56	48	bc	bc	og	6.5
Blacksod Point	1019.1	56	NNW	2	bc	1020.2	+1	51	0	N	2	-	og	2	-	58	50	bcr	br	og.og	*
Roche's Point	1019.2	62	SE	1	bc	1020.7	+1	57	-1	NNW	1	-	0	1	-	63	56	c.b3	b.b3	c.03	*
Birr Castle	1018.3	66	N	1	m	1019.7	*	56	+2	NW	1	-	0	*	-	66	46	03	03	03	1.8
Donaghadee	1019.3	57	SE	2	c	1019.7	0	54	+2	NNW	3	-	bcm	2	-	59	52	ogmd	b3	cg.bcm	*
Liverpool (Bidston)	1018.0	59	ENE	3	0	1018.3	0	54	+3	SE	1	-	bm	1	-	60	49	om	om	of.bm	3.2
Holyhead	1018.5	60	NE	4	b	1018.9	+1	57	+1	NNE	3	NE	cm	4	Trace	67	53	c.bcm	bc	b.opm	10.4
Pembroke (St. Ann's Head)	1018.3	62	NNW	1	b	1018.3	+1	57	+2	-	0	-	b	0	-	63	51	b3	b3	b3	6.5
Scilly (St. Mary's)	1018.6	62	E	1	c	1018.7	0	57	-1	N	2	N	f	3	0.3	64	51	cm	em	op.mf	1.6
Jersey (St. Aubin)	1016.4	57	E	4	0	1015.5	0	56	-1	NE	4	-	0	3	9	60	54	gptlr	o.c.o	o.m.o	2.0
Portland Bill	1017.9	58	E	4	c	1017.2	0	56	0	ENE	3	-	0	2	-	58	51	o.	o.c	c.o	*
Dunnet Head	1017.0	57	NE	3	c	1014.8	-1	53	0	NNE	3	NE	C	3	-	59	52	c	c	c.cd.c	*
Wick	1019.9	52	ESE	1	bc	1020.6	0	47	0	NW	2	-	om	1	-	54	43	omg	om.bm	b.om	*
Nairn	1018.8	54	E	3	bc	1020.6	*	48	0	-	0	-	om	1	-	58	45	c.b	bc.b	bc.c	11.6
Leith	1018.7	55	E	2	b	1020.0	0	49	-1	E	1	-	om	1	-	57	46	o.b3	b	bcm.o	*
Typemouth	1020.0	53	NE	2	bc	1019.1	0	49	0	NE	3	-	0	3	-	57	46	c	0	bc.o	*
Spurn Head	1020.2	53	N	2	c	1018.4	0	50	0	NE	2	-	0	2	0.1	57	49	c	cr	c.o	0.2
Yarmouth (Gorleston)	1018.1	54	NE	3	0	1015.8	0	54	+2	N	3	-	omd	3	1	55	50	o.bcm	bcm.o	0	0.7
Clacton-on-Sea	1018.4	56	ESE	2	0	1016.2	0	52	+1	N	3	-	0	1	0.2	58	49	og	og	ogmd	0.0
Nottingham	1019.2	56	NE	1	c	1018.7	*	50	0	ENE	1	NE	0	*	-	57	47	o.c	o.c	bc	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. Tuesday, 8th July, 1919

**Upper Cloud**

**Visibility**

**EXPLANATION.**  
BAROMETER.—Isobars are drawn

GENERAL INFERENCE from observations received up to 10 a.m.

The anticyclone over the Eastern Atlantic and British Isles shows little motion. Much low cloud generally and comparatively low temperature are likely to continue over the whole country.

**EXPLANATION.**

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

**WIND.**—Direction is shown by the arrow pointing in the direction from which the wind is blowing. Force, on the Beaufort scale, is indicated by the number of flags. Mean velocity is shown by the number of circles per hour by figures in small circles.

**TEMPERATURE** is given in degrees.

**WEATHER SYMBOLS.**—

	clear sky.		sky $\frac{1}{2}$ cloudy.
	sky $\frac{1}{2}$ clouded.		sky $\frac{1}{2}$ cloudy.
	overcast sky.		rain.
	snow.		hail.
	thunder.		thunder.

**SEA DISTURBANCE.**—

	Rough		High
---	-------	---	------

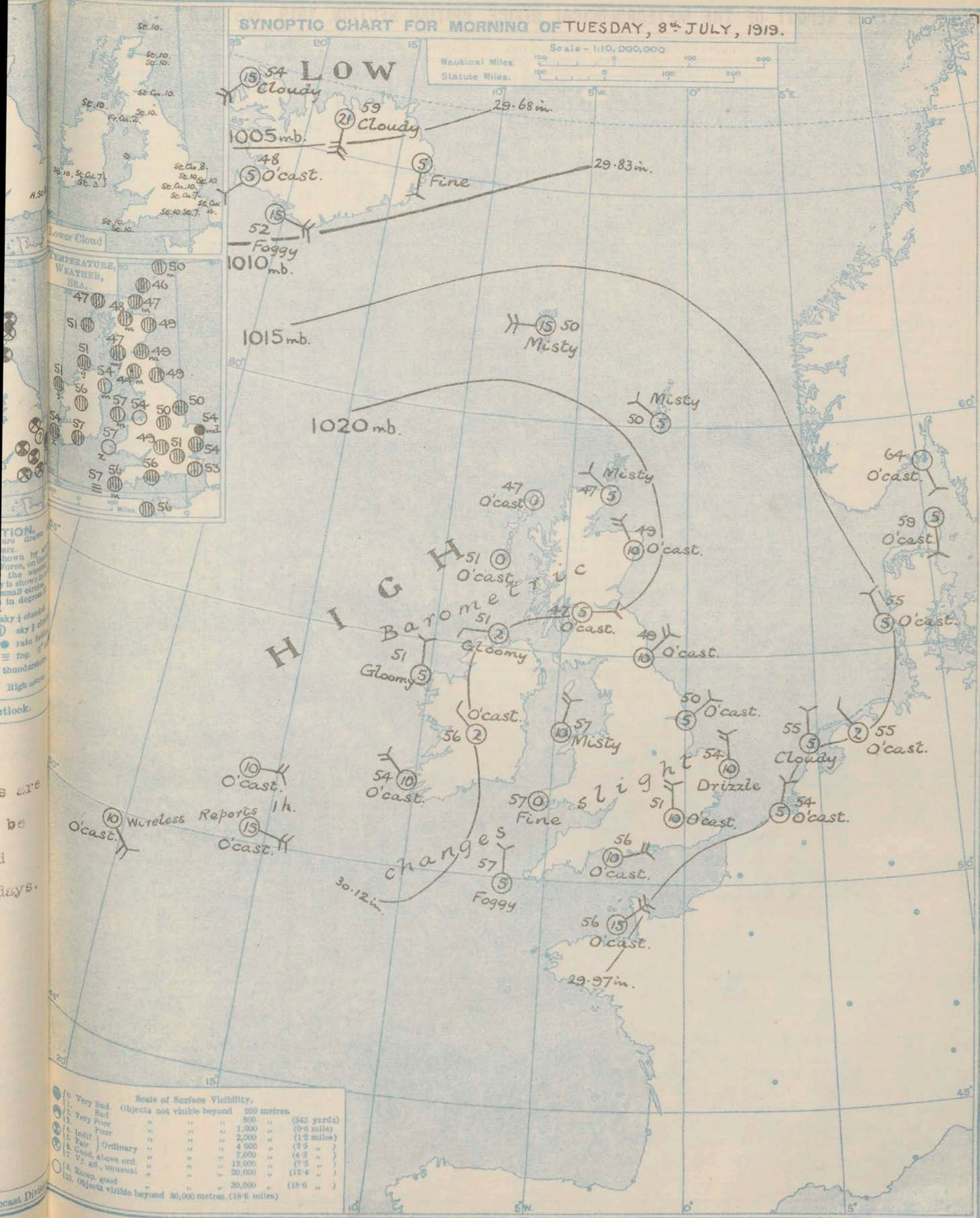
Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 8th July, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light Nly. or variable breezes. Cloudy or overcast, slight drizzle locally, some mist or fog in places. Very cool.	Similar conditions are likely to be maintained for some days.
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 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light Nly. or variable breezes. Much low cloud, mist locally. Very cool.	



SYNOPTIC CHART FOR MORNING OF TUESDAY, 8<sup>th</sup> JULY, 1919.

Scale - 1:10,000,000

Nautical Miles  
Statute Miles.



Scale of Surface Visibility.

Objects not visible beyond 300 metres

20	21	22	2,000	23	(0.4 miles)
24	25	26	2,000	27	(1.2 miles)

by	12	12	4 000	12	(2.5	12	1
			7 000		(4.3		2

			12,000	(7.5)	
--	--	--	--------	-------	--

20,000	12.4
25,000	12.5

30,000 (1981)

\_\_\_\_\_



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No 189 B

Tuesday  
8th July

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.
Scotland.									England, N.W.								
Banff ...	o	bc	54	45	-	-	4.7	0.0	Southport ...	oco	oco	62	46	-	-	0.6	*
Montrose ...	-	-	61	47	-	-	7.6	0.0	Blackpool ...	-	-	60	49	-	-	0.5	*
St. Andrews ...	o	b	54	47	-	-	4.6	0.0	Douglas ...	-	-	60	49	-	-	1.2	*
Oban ...	bco	bcb	58	49	-	-	8.7	0.0									
England, N.E.									Midlands.								
Harrogate ...	o	o.bco	55	45	-	-	0.1	0.0	Buxton ...	oco	c	58	44	-	-	0.1	*
Skegness ...	oap	oap	57	49	-	-	1.9	0.0	Leamington Spa...	cb	cb	61	50	-	-	2.0	3.1
									Malvern ...								
									Ross-on-Wye ...	omoz	bcmby	64	50	-	-	4.1	4.7
England, E.									Wales.								
Felixstowe ...	o	o	59	50	-	-	0.2	2.8	Rhyl ...	cbc	bc	61	46	-	-	6.3	1.5
Walton-on-Naze...	-	-	57	49	-	-	-	1.3	Colwyn Bay ...	-	-	61	50	-	-	9.3	2.1
Southend-on-Sea...	o	o	57	49	-	-	-	1.3	Llandudno ...	cb	b	62	47	-	-	8.0	5.5
Folkestone ...	-	-	57	51	-	-	-	1.3	Aberystwyth ...	ocb	bbc	65	49	-	-	5.0	0.0
England, S.E.									England, S.W.								
Brighton ...	-	-	62	51	-	-	0.5	2.3	Ilfracombe ...	bcz	bcz	64	56	-	-	6.4	*
Margate ...	o	o	58	51	-	-	-	0.0	Bude ...	webc	bcz	66	51	-	-	3.1	*
Ramsgate ...	o	o	55	50	-	-	-	3.9	Taunmouth ...	c	bcz	61	56	-	-	0.5	*
Hastings ...	o	obc	60	51	-	-	0.3	0.4	Weymouth ...	oc	co	64	54	-	-	1.0	-
Eastbourne ...	o	obc	61	50	-	-	1.1	0.0	Torquay ...	o	oc	59	54	0.1	0.3	1.0	0.0
Worthing ...	oc	c	59	51	-	-	0.2	0.0	Penzance ...	o	oc2	61	53	-	-	0.5	0.0
Littlehampton ...	o	o	61	51	-	-	0.6	0.6	Newquay ...	o	o	62	48	-	-	1.0	0.3
Bournemouth ...	-	-	63	53	Tr.	-	1.0	0.2	Weston-s-Mare ...	cbcz	bz	67	52	-	-	6.0	*

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.		Sun. Hours.
	7h-13h <sup>7h</sup>	13h-18h <sup>7h</sup>	18h <sup>7h</sup> -1h <sup>8h</sup>	1h-7h <sup>8h</sup>				Day. 7h-18h	Night. 18h-7h	
†Houton Bay (Orkney)...	c.	bcc	efom	ofc	52	43	*	*	*	*
Eskdalemuir ... ..	omo	ocbz	ombbc	bz.om	63	40	33	-	-	4.4
†Stranraer ... ..	oz	oz	co	b.bcz	63	44	*	*	*	*
†Lough Foyle ... ..	co	b.co	bbc	o	55	48	*	*	*	*
Valencia (Cahirciveen) ...	cbcz	coz	ca	o.z	60	54	53	-	-	3.1
†Anglesey (Llangefni) ...	bccz		co	bc.oz	63	50	*	*	*	*
Falmouth ... ..	om.	omod	omg	g.om	60	55	54	Trace	Trace	0.0
†Calshot (Hants) ... ..		om.	b.o	z	59	52	*	*	*	*
†Capel (Folkestone) ... ..		o.v	c.v	pdr	55	49	*	*	*	*
Aberdeen ... ..	ocbc	bem	c	bc.c.o	58	46	44	-	-	0.6
†East Fortune ... ..	co.bc	b.	bbc	bc.c.o	56	43	*	*	*	*
†Howden ... ..							*	*	*	*
†Felixstowe ... ..		c.o	c.z,	cem	58	50	*	*	*	*
†Cranwell (Lincs) ... ..	om.o	om.o	c.bcc	bc.c.o	55	43	*	*	*	*
†Bedford ... ..	o	om.	om	pd	59	48	*	*	*	*
Benson ... ..		bcc	*	*	57	48	41	-	-	*
London (Kew Obsy.) ... ..	o	o	o	o	58	50	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. i 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	3.3-5.4
4	13-18	5.4-7.9
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.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %	
	Morning	Afternoon.	Night.						15 h.	9 h.
									G.M.T.	G.M.T.
	24 HOURS ENDED 9h G.M.T. ....							YESTERDAY.	TO-DAY.	
Greenwich (Royal Observatory)	o	o	o	57	50	50	-	0.0	76	80
City (Bunhill Row) ... ..	o	o	o	58	51	50	-	0.0	86	90
Westminster (St. James's Park)	o	o	o	58	51	50	-	0.0	73	74
.. (Admiralty Arch	om	om	om. od	58	51	50	-	0.0	72	74
Camden Sq. (British Rainfall)	o	o	o	59	50	51	-	0.0	77	53
Keosington Palace ... ..	o	o	o	58	50	50	-	*		
... ..										

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	HUMIDITY %	
	15 h. G.M.T.	9 h. G.M.T.
Total ...	357	357
Average Rate.	6.1	6.1
Maximum Rate.	1.9	1.9

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

8th July 1919.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	3.41	11.58	8.15
Greenwich	3.42	12.5	8.16
Wick	3.20	12.7	9.13
Valencia ...	4.32	12.46	8.59

## NOTES ON THE WEATHER OF YESTERDAY.

The temperature was abnormally low for the time of year especially in east and south England where the maximum temperature was 60°F. or less, and the minimum was generally between 45°F. and 50°F. Some light rain fell at places in south and east England. A thunderstorm was experienced at Jersey in the morning.

There was much local mist; fog developed at night at Liverpool and at Scilly.





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

No. 21048.B WEDNESDAY 9<sup>th</sup> JULY 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 15h.

STATIONS.	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.				Upper Cloud		Sea	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.				Upper Cloud		Sea
										Form.	Amt. 0-10.	Form.	Amt. 0-10.	Form.	Amt. 0-10.											Form.	Amt. 0-10.	Form.	Amt. 0-10.			
13H. G.M.T. OF 8 <sup>h</sup>																13H. G.M.T. OF 8 <sup>h</sup>																
Houton B. (Orkney)	1021.3	+1	NW	5	C	50	92	3	1-1000	Sr	10	-	-	3	1021.7	+1	NW	4	f	49	97	0	500	Sr	10	-	-	-	-	-	-	-
Eskdalemuir ...	1019.4	0	NE	4	b	62	75	6	-	S.Cu	2	Cu	1	*	1019.2	0	NE	4	f	64	75	8	-	Cu	1	Ci	2	*	*	*	*	
Stranraer ...	1020.1	+1	NNW	4	bz	60	87	7	-	-	-	Ci	1	*	1020.2	+1	-	2	b	58	87	7	-	-	-	Ci	2	*	*	*	*	
Lough Foyle ...	1022.3	0	WNW	4	o	55	75	7	1-2000	S.Cu	10	-	-	1	1023.1	0	WNW	3	o	55	75	7	1-2000	S.Cu	10	-	-	-	-	1	3	
Valencia (Cahire'n)	1022.6	+2	NW	3	C	58	75	8	2-3000	Cu	8	-	-	2	1023.6	+1	NNW	4	C	57	75	8	1-2000	Cu	7	-	-	-	-	3	*	
Anglesey (Llangefni)	1018.9	0	NE	3	bz	64	75	3	5-7000	F.Cu	2	Ci	8	2	1020.4	+2	NNE	3	bz	60	75	6	-	-	-	-	-	-	-	2	*	
Falmouth ...	1019.2	+2	N	5	bz	68	65	3	-	Cu	1	-	-	*	1020.4	+1	NW	3	bz	61	82	4	-	Sr	1	-	-	-	-	*	*	
Calshot (Hants) ...	1018.5	+2	NNE	1	o	56	75	7	2-3000	Sr	10	-	-	3	1019.2	+1	-	0	b	60	65	6	-	-	-	ASr	1	3	*	*		
Capel (Folkestone)	1016.6	+1	NE	4	do	56	82	8	-	Sr	10	-	-	5	1017.9	+2	NNE	4	do	52	92	8	-	Sr	10	-	-	-	-	5	*	
Aberdeen ...	1020.2	0	NNW	4	b	62	65	8	-	-	-	Ci	1	2	1020.6	+1	ENE	2	b	57	75	7	-	-	-	Ci	1	2	*	*		
East Fortune ...	1020.6	0	-	0	of	57	75	5	3-4000	S.Cu	7	-	-	*	1020.7	-1	ENE	1	bc	57	75	6	-	-	-	Ci	4	*	*	*		
Howden ...														*															*	*		
Felixstowe ...	1017.0	+2	NNE	3	o	55	85	2	4-5000	Sr	8	-	-	2	1018.2	0	N	3	o	55	82	6	1-1000	Sr	10	-	-	-	2	*		
Cranwell (Lincs) ...	1019.3	+2	N	3	o	54	87	5	2-3000	Sr	10	-	-	*	1019.0	0	N	3	bc	57	82	7	2-3000	Sr	2	Ci	3	*	*			
Bedford ...	1018.8	+2	NNE	3	om	54	75	2	4-5000	Sr	10	-	-	*	1018.9	+1	NE	2	bz	57	75	3	4-5000	Sr	8	-	-	-	*	*		
Benson ...	1017.9	?	NE	2	o	55	75	5	-	-	-	-	-	*	1018.6	0	NE	1	b	61	65	7	-	-	-	-	-	-	*	*		
London (Kew Obs.)	1018.3	+3	NNE	2	om	54	75	5	-	S.Cu	8	ASr	2	*	1018.8	+1	NNW	2	om	55	75	6	-	S.Cu	6	ASr	4	*	*			
1H. G.M.T. OF 9 <sup>h</sup>																7H. G.M.T. OF 9 <sup>h</sup>																
Houton B. (Orkney)	1022.0	0	NW	5	do	49	97	0	500	Sr	10	ASr	8	-	1022.2	0	WNW	4	o	48	97	5	1-1000	Sr	10	-	-	-	3	*		
Eskdalemuir ...	1023.1	+2	NNW	1	bc	45	97	4	-	-	-	Ci	5	*	1023.0	0	-	0	bcw	53	92	6	-	-	0	Ci	6	*	*			
Stranraer ...	1024.7	+2	NW	3	b	51	97	-	3-4000	Sr	1	-	-	*	1023.9	+2	NNW	3	o	53	92	6	1-2000	Sr	3	-	-	-	*	*		
Lough Foyle ...														*	1026.0	+1	NNW	3	o	50	97	7	1-1500	Sr	10	-	-	-	*	*		
Valencia (Cahire'n)	1027.4	+4	NNE	4	bc	52	*	*	*	*	*	*	*	*	1027.5	+1	SE	1	b	54	82	10	2-3000	Cu	1	-	-	0	2	*		
Anglesey (Llangefni)	1023.1	+3	?	-	C	48	92	-	-	-	-	Ci	8	2	1024.7	+2	NNW	1	b	53	92	5	1-1000	Cu	8	Ci	2	2	*			
Falmouth ...	1024.1	+4	NW	4	b	57	97	6	-	Sr	1	Ci	1	*	1025.2	+1	NW	3	cy	62	92	5	-	Sr	7	-	-	-	*	*		
Calshot (Hants) ...	1022.6	+2	W	1	o	55	87	6	2-3000	S.Cu	6	-	-	2	1023.2	+1	W	1	o	52	97	0	<500	Sr	10	-	-	-	4	*		
Capel (Folkestone)	1021.5	+1	NNW	3	do	50	92	8	2-3000	Sr	10	-	-	3	1022.7	+1	NW	1	b	51	92	5	1-2000	Sr	10	-	-	-	2	*		
Aberdeen ...	1021.4	0	NNW	2	om	48	97	4	500	Sr	10	-	-	*	1022.7	+3	NNW	2	C	53	92	8	-	Sr	6	Ci	1	2	*			
East Fortune ...	1022.5	+1	-	0	o	48	92	-	3-4000	S.Cu	9	-	-	*	1023.3	+2	-	0	b	53	92	2	2-3000	Sr	7	-	-	-	2	*		
Howden ...														*															*	*		
Felixstowe ...	1021.5	+1	WNW	2	o	51	97	-	1-2000	Sr	10	-	-	2	1022.8	+2	NW	3	o	52	92	5	1-1300	Sr	5	ASr	5	2	*			
Cranwell (Lincs) ...	1021.5	+2	WNW	1	o	50	97	5	2-3000	Sr	6	Ci	3	*	1022.5	+3	NW	2	Ce	54	97	3	2-3000	Sr	4	Ci	3	*	*			
Bedford ...														*	1022.6	+2	NNE	1	2	51	92	?	1-1000	-	0	Ci	3	*	*			
Benson ...														*	1022.9	+2	-	0	f	48	97	1	-	-	-	-	-	-	*	*		
London ...														*	1023.0	+2	WSW	1	f	48	97	2	-	-	-	-	-	-	*	*		
(M.O. at Ind.)	1020.6	+2	W	1	bm	50	*	*	*	*	*	*	*	*																		

STATIONS CONTRIBUTING REPORTS AT 7h AND 15h.

STATIONS.	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.
			Direc.	Force 0-12.		at M.S.L. m.b.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
15h. G.M.T. of 5 <sup>h</sup>						7h. G.M.T. of 9 <sup>h</sup>						24 HOURS ENDED 7h. 5 <sup>h</sup>						8 <sup>h</sup>			
Lerwick	1019.3	57	W	2	bcm	1020.9	+2	53	+3	NW	2	-	omc	2	-	61	48	bc	bcm	omc	3
Stornoway	1022.2	57	ESE	2	b	1024.2	+1	52	+5	SE	1	-	o	1	-	57	46	o.c.o	o.b	o	4.5
Castlebay (Barra Is)	1022.8	54	NW	3	c	1025.3	0	52	+1	SW	2	-	of	2	Trace	56	49	o	c	c.of	2.4
Glasgow	1019.7	69	NE	2	bcz	1023.4	+1	53	+6	W	2	-	cy	*	-	70	47	o.c.bm	bcy	bc.bzy	9.8
Malin Head	1022.6	55	NW	2	Cg	1025.2	+1	51	0	NNW	3	-	og	3	-	56	50	og	cg	og	1.0
Blackod Point	1023.6	56	N	3	bv	1026.0	0	55	+4	N	2	-	omc	2	1	58	49	cg	bcu	bcu.op	*
Roche's Point...	1021.8	66	W	2	o	1026.8	+2	54	-3	NNW	2	-	o	1	-	70	52	obz	bc.og	o.bc.b	*
Birr Castle	1022.3	63	N	2	C	1027.3	*	50	-6	NW	1	-	o	*	-	69	44	z.c	c.	c.o	8.1
Donaghadee	1020.9	57	NNE	3	bz	1025.2	+2	54	0	NW	3	-	bm	3	-	59	51	bm	bc	bcybm	*
Liverpool (Bidston)	1019.6	57	NNW	3	b	1023.7	+3	54	0	NNW	3	-	o	2	-	64	53	b	b	bm.o	11.2
Holyhead 1020.5	1020.5	58	N	3	bz	1024.8	+1	63	-4	N	4	-	bx	4	-	62	52	c.bm	bmy	bcym.b	10.6
Pembroke (St. Ann's Head)	1020.7	62	N	3	b	1025.5	+2	56	-1	N	1	-	bm	1	-	65	53	bz.b	b	b.b.c	11.4
Scilly (St. Mary's)	1021.9	62	NNW	3	b	1026.0	0	58	+1	NW	3	-	om	3	-	64	55	f.b.c.bm	bm	cm.o	8.4
Jersey (St. Aubin)	1019.8	58	NW	3	C	1023.6	+1	57	+1	NW	2	-	bm	2	-	61	52	o.c.o	o.bc.c	bm	2.5
Portland Bill	1017.2	58	SSW	2	bc	1022.3	+2	57	+1	NNW	3	-	bc	2	-	63	52	o	bc	bcm	*
Dunegness	1017.3	56	NNE	4	o	1022.2	+2	54	+1	NNW	2	-	o	2	-	59	50	c	c.o	o	*
Wick																					
Nairn	1021.2	51	NW	3	o	1023.1	+1	49	+2	NNW	3	-	om	1	-	56	46	om	om	omd	*
Leith	1020.4	58	NE	2	bc	1023.8	*	52	+4	-	0	-	og b.d	1	0.2	61	45	m.c.bc	bcm	bc.cm	9.6
	1020.1	59	E	1	b	1022.3	0	53	+4	WSW	2	-	c	1	-	60	48	og.c.bc	bz.b	by.bmc	*
Tynemouth	1019.7	52	NNE	2	bc	1023.4	+4	50	+1	N	3	-	om	3	-	54	46	cm	bcm	bcm	*
Spurn Head	1019.9	54	N	4	C	1022.1	+1	54	+4	N	3	-	c	4	-	55	49	c	c.	o.c	0.4
Yarmouth (Gorleston)	1017.1	54	NNE	4	o	1020.1	+1	52	-2	N	4	-	o	3	1	57	50	o	o	op	2.5
Clacton-on-Sea	1017.8	55	N	3	o	1022.1	+2	54	+2	WNW	3	-	bc	2	-	56	51	og	og	og.bc	0.0
Nottingham	1018.9	59	NE	2	b	1022.9	*	52	+2	W	1	-	bmy	*	-	60	44	o.c	c.bc	bm	5.9



# SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 9th July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	W-NW. 2-5	Cool	Variable cloud fog in Surrey	Var.	Slight
2. E. England	NW-N. 10-15	"	Sky half to wholly covered.	Ord.	"
3. E. Midlands	Var. 2-5	R. cool	Fine; mist & haze	"	"
4. W. Midlands	Calm	Cool	Fine, local fog	V. bad	"
5. S.W. England	WNW-NW. 5-10	Moderate	Variable cloud, local mist and haze.	Var.	Slight
6. South Wales	N. 2	"	Fine, misty.	"	Smooth
7. North Wales	N-NW. 5-15	R. cool	Variable cloud	Ord.	Slight
8. N.W. England	WNW. 10	"	Overcast	"	"
9. N. Midlands	W. 2	"	Fine, local mist.	"	"
10. N.E. England	N. 10	"	Cloudy to overcast, local mist.	Var.	Slight
11. E. Scotland	W-NNW. up to 10	R. cool	Cloudy, local mist.	Var.	Smooth
12. S.W. Scotland	Light var. up to 10	"	Fair or cloudy, local haze.	Ord.	Slight
13. Isle of Man	"	"	"	"	"
14. N. & N.W. Scotland	WNW. 10	"	Overcast, misty, rain at Nairn	"	Smooth
15. Hebrides	Var. 2-5	Moderate	Overcast, fog at Castlebay	Var.	"
16. Orkneys and Shetlands	WNW-NW. 5-15	"	Overcast, mist in Shetlands	"	"
17. N.W. Ireland	N. 5	"	Overcast, misty.	"	"
18. N.E. Ireland	NNW-NW. 10	R. cool	Variable cloud, local mist.	Var.	"
19. S.E. Ireland	Light var.	"	Fine	V. good	"
20. S.W. Ireland	Light var.	"	Fine	Ex. good	"

GENERAL INFERENCE from observations received up to 10 a.m.

An anticyclone in the Eastern Atlantic is spreading over the British Isles and North Sea. Fair weather is, therefore, expected over the whole country.

**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of five millibars.  
**WIND.**—Direction is shown by the flying with the wind. Force, on land 0-12 is indicated by the number of feathers. Mean velocity is shown in per hour by figures in small circles.  
**TEMPERATURE.**—Isobars are drawn at intervals of one degree.  
**WEATHER SYMBOLS.**  
 ○ clear sky. ○ sky & clouds. ○ overcast sky. ● rain falling. \* snow. ▲ hail. = fog. T thunder. R thunderstorm.  
**SEA DISTURBANCE.**—Rough. High.

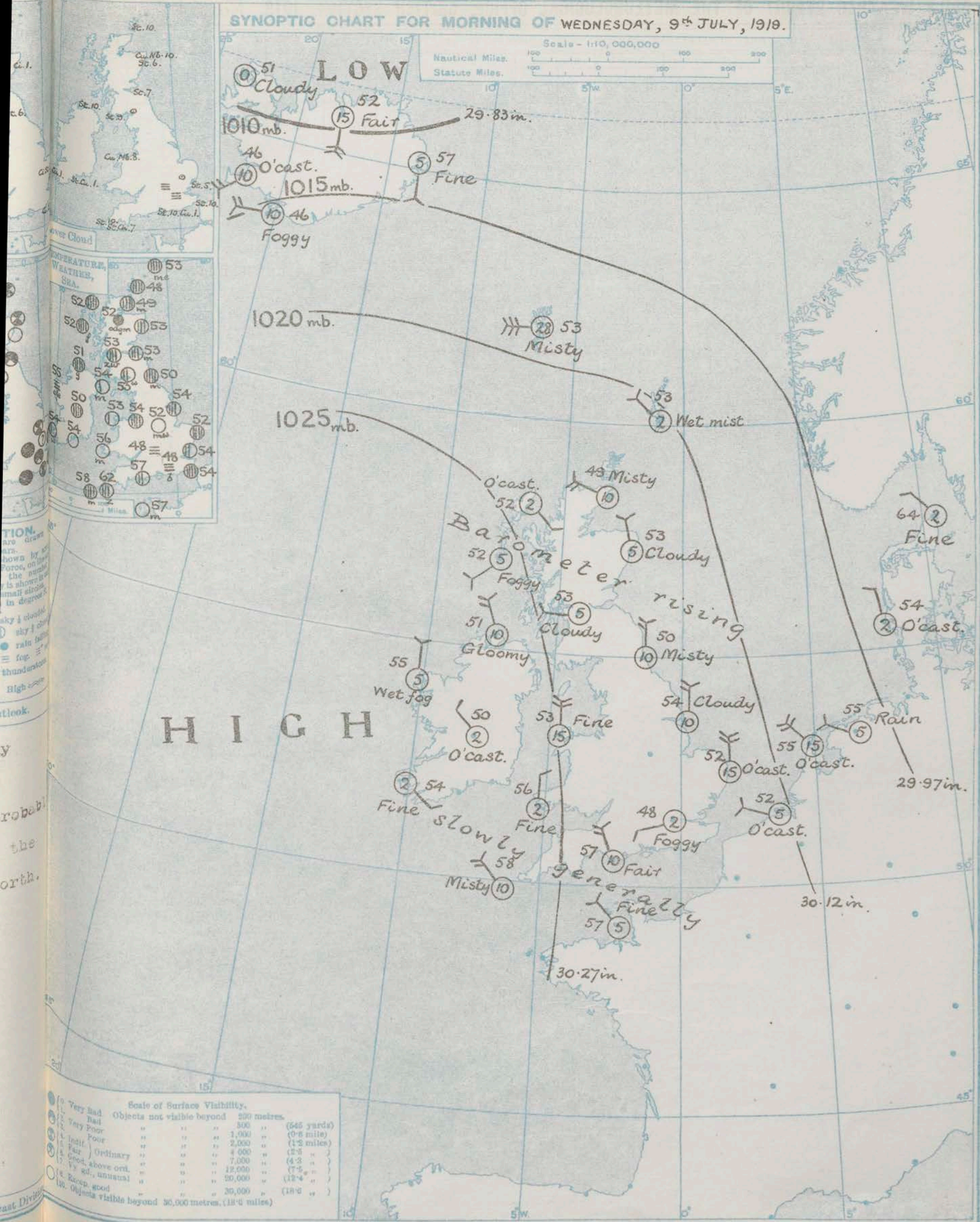
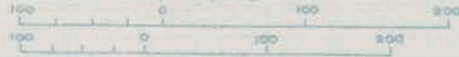
Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday, 9th July, 1919	Further Outlook.
1. S.E. England	Light Nly. or NWly. breezes. Fair weather, Morning mist or fog inland. Cool becoming warmer.	Generally fair, warm weather probably except in the extreme north.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales		
7. North Wales		
8. N.W. England		
9. N. Midlands		
10. N.E. England	Light Nly. or NWly. breezes. Cloudy or overcast, mist or light drizzling rain locally. Rather cool.	
11. E. Scotland		
12. S.W. Scotland	Same as Nos. 1-9	
13. Isle of Man		
14. N. & N.W. Scotland		
15. Hebrides	Same as Nos. 10 and 11	
16. Orkneys and Shetlands		
17. N.W. Ireland		
18. N.E. Ireland	Same as Nos. 1-9	
19. S.E. Ireland		
20. S.W. Ireland		



SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 9<sup>th</sup> JULY, 1910.



Scale - 1:10,000,000

Scale of Surface Visibility.

Objects not visible beyond		500 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 "
"	"	50,000	(12.4 "
"	"	30,000	(18.0 "



9<sup>th</sup> July 19

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR ...8 <sup>th</sup> July.....																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-9h. 7 <sup>th</sup>	Day, 9h-17h. 8 <sup>th</sup>	to 17h. 8 <sup>th</sup>	Sunrise to Sun- set. 7 <sup>th</sup>			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-9h. 7 <sup>th</sup>	Day, 9h-17h. 8 <sup>th</sup>	to 17h. 8 <sup>th</sup>	Sunrise to Sun- set. 7 <sup>th</sup>
Scotland.	Banff ... ..	o	bc	53	45	-	-	0·8	7·4	England, N.W.	Southport ... ..	oc bc	bc b	65	49	-	-	9·5	0·6
	Montrose ... ..	-	-	57	45	-	-	5·5	10·0		Blackpool	-	-	65	49	-	-	9·2	0·5
	St. Andrews ...	o	bc	58	50	-	-	7·3	7·3		Douglas	-	-	64	52	-	-	10·0	1·2
	Oban	o bc	b	59	48	-	-	6·2	11·1										
England, N.E.	Harrogate ... ..	oc	bc b	59	42	-	-	4·6	0·1	Midlands.	Buxton ... ..	obc	b	63	42	-	-	7·5	0·1
	Skegness ... ..	o	o	54	48	0·2	-	0·1	2·2		Leamington Spa...	oc b	cb bz	62	47	-	-	6·4	3·5
											Malvern ... ..								
											Ross-on-Wye ...	om bc z	bc bz y	70	47	-	-	7·0	5·1
England, E.	Felixstowe ... ..	o	o	57	49	0·3	-	0·0	0·2	Wales.	Rhyl ... ..	bc	b	63	47	-	-	10·5	6·3
	Walton-on-Naze...										Colwyn Bay ...	-	-	63	51	-	-	8·5	10·3
	Southend-on-Sea...	o	o	57	50	-	-	0·0	0·0		Llandudno ... ..	cbz	b	63	49	-	-	8·5	8·6
	Folkestone	-	-	59	51	-	-	0·5	-		Aberystwyth ...	o c	b bc	64	57	-	-	5·5	7·5
England, S.E.	Brighton	-	-	58	52	-	-	-	0·8	England, S.W.	Bude	bc b	bc bm	65	54	-	-	10·4	3·1
	Margate ... ..	p	o	58	52	1	-	0·4	0·0		Teignmouth	bc	co bc	65	51	-	-	8·0	2·0
	Ramsgate ... ..	bc	bc	57	50	0·2	-	2·3	0·0		Paignton	bz	bz	67	50	0·1	-	10·5	1·2
	Hastings ... ..	o	oc	59	51	-	-	0·1	0·4		Weymouth ... ..	c bc	bc b	73	50	-	-	9·3	1·6
	Eastbourne ...	o	o	60	50	-	-	0·0	1·8		Torquay ... ..	b	b bc b	65	50	-	-	11·0	1·7
	Worthing ... ..	o	o	57	52	-	-	0·0	1·0		Penzance ... ..	c bc	bc	68	57	1	-	8·2	0·5
	Littlehampton ...	o	o	59	51	-	-	0·0	1·2		Newquay ... ..	m bm	bm	64	55	-	-	5·2	1·0
	Bournemouth ...	-	-	67	51	-	-	10·0	1·0		Weston-s-Mare ...	b cc	bc cz	65	47	-	-	5·0	6·3
											Ifracombe	oc bc	bz	64	52	-	-	7·5	6·4

STATIONS.	SUMMARIES FOR LAST 24 HOURS.									BEAUFORT NOTATION.				THE BEAUFORT SCALE OF WIND FORCE.		
	WEATHER				Max. Temp. °F.	Min. Temp. °F.	Mig. on Grass F.	RAINFALL.		Sun. Hours.	No.	Limits of Velocity.				
	7h-18h. S.	18h-18h. S.	18h. S-1h. 9.	1h-7h. 9.				Day, 7h-18h.	Night, 18h-7h.			Statute miles per hour.	Metres per second.			
†Houton Bay (Orkney)...	f.	of	f. d.			*	*	*	*		0	Less than 1	Less than 0.8			
Eskdalemuir ...	ombcc	bcb	bc.c.w	65	40	34	-	-	9.7		1	1-3	0.3-1.5			
†Stranraer ...	bcc.z	bbc	bcc	61	44	*	*	*	*		2	4-7	1.6-3.3			
†Lough Foyle ...	o	o	o	56	43	*	*	*	*		3	8-12	5.4-5.4			
Valencia (Cahirciveen) ...	ocz	c.bc	bc. c. o	60	47	42	-	-	4.8		4	13-18	5.5-7.9			
†Anglesey (Llangefni) ...	bcc.z	bcc.z	bcc	65	44	*	*	*	*		5	19-24	8.0-10.7			
Falmouth ...	om.c.z	bz	bz.b	69	55	46	-	-	8.4		6	25-31	10.8-13.9			
†Calshot (Hants) ...	om	bbc	bcc	62	49	*	*	*	*		7	32-38	12.9-17.1			
†Capel (Folkestone)...	v.p.d.	d.v	d.v	57	48	*	*	*	*		8	39-46	17.2-20.7			
Aberdeen ...	obcc	b	om	64	48	48	-	-	10.6		9	47-54	20.8-24.4			
†East Fortune ...	o	bcc	oc	60	47	*	*	*	*		10	55-63	24.5-28.4			
†Howden ...						*	*	*	*		11	64-75	28.5-33.5			
†Felixstowe ...	o.p.d.	o.p.d.	o.e	56	49	*	*	*	*		12	Above 75	33.6 or above			
†Cranwell (Lincs) ...	om	o.bcc	bcc	57	45	*	*	*	*							
†Bedford ...	om	o.z.	z	57	40	*	*	*	*							
Benson ...	o	bbc	b. bc	62	40	30	-	-	*							
London (Kew Obs.) ...	o	o	bz	55	44	36	-	-	0.3							

**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. i 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.**

Limit of Velocity.

Statute miles per hour.

Metres per second.

0 Less than 1 Less than 0.8

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 10.8-13.9

7 32-38 12.9-17.1

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=light, 2=heavy. Underlining is used to express continuity.

**SYMBOLS—**

Aurora ☄ Solar halo ☉

Rime ❄ Lunar halo ☾

Glazed frost ☁ Solar corona ☉

Glazed roads ☐ Lunar corona ☾

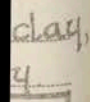
LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. °F.	Min. Temp. °F.	Min. on Glass. °F.	Rain- fall. min.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning	Afternoon	Night						15 h. G.M.T.	9 h. G.M.T.					
	24 HOURS ENDED ON G.M.T. ... 9 <sup>h</sup> ...							YESTERDAY.	TO-DAY.	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	9 <sup>h</sup> & 10 <sup>h</sup> TWILY ... 1910.				
Greenwich (Royal Observatory)	0	0	o.c.m	60	43	32	-	0.0	79		72	Stations.	Sunrise.	Noon.	Sunset.
City (Bunhill Row)	*	*	*	*	*	*	*	*	*		*	G.M.T.	G.M.T.	G.M.T.	
Westminster (St. James's Park)	*	*	*	62	45	42	*	*	90		79	Yarmouth...	3.42	11.58	8.14
" (Admiralty Arch)	om	om	o.bc.bme	61	47	*	-	0.0	77		65	Greenwich	3.43	11.58	8.14
Camden Sq. (British Rainfall)	0	0	*	62	43	43	-	0.0	75	70	Total ... 549 ... Joules.	Wick ...	3.55	12.5	8.15
Kensington Palace	0	0	*	60	43	35	-	*	80	78	Milliwatts.	Greenwich	3.56	12.5	8.14
	*	*	*	*	*	*	*	*	*	*	Average Rate. 9.3	Wick	3.21	12.17	9.12
											Maximum Rate. 24	Valencia ...	4.33	12.46	8.59
												Valencia	4.34	12.46	8.59

## NOTES ON THE WEATHER OF YESTERDAY.

Maximum temperature did not reach 70° F. at any stations in the Kingdom. At Falmouth 69° F. was reached and at Bournemouth 67° F. At Tynemouth the maximum recorded was 54° F. An air temperature as low as 40° F. was reached at Benson and on the grass two degrees of frost were recorded. Very light rain fell at

Yarmouth and in the north of Scotland. Sunshine amounts were variable 11.2 hours being recorded at Liverpool and nil at some of the stations in the east and south-east of England.





No. 2,049.B ..... THURSDAY, 10<sup>th</sup> JULY.. 1919.

[illegible]

§ Longside + at 1H.



[illegible]

**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 $\frac{1}{2}$ clouded.
☁	sky $\frac{2}{3}$ clouded.	☁	sky $\frac{3}{4}$ clouded.
☁	overcast sky.	☁	rain falling.
✱	snow.	☉	fog.
△	hail.	☉	thunderstorm.
T	thunder.		

**SEA DISTURBANCE.**

Rough High

An anticyclone covers the British Isles. A depression centred near Iceland will cause a freshening of wind and some showers over most of Scotland, otherwise the weather will continue fair to cloudy with mist or slight drizzle locally.

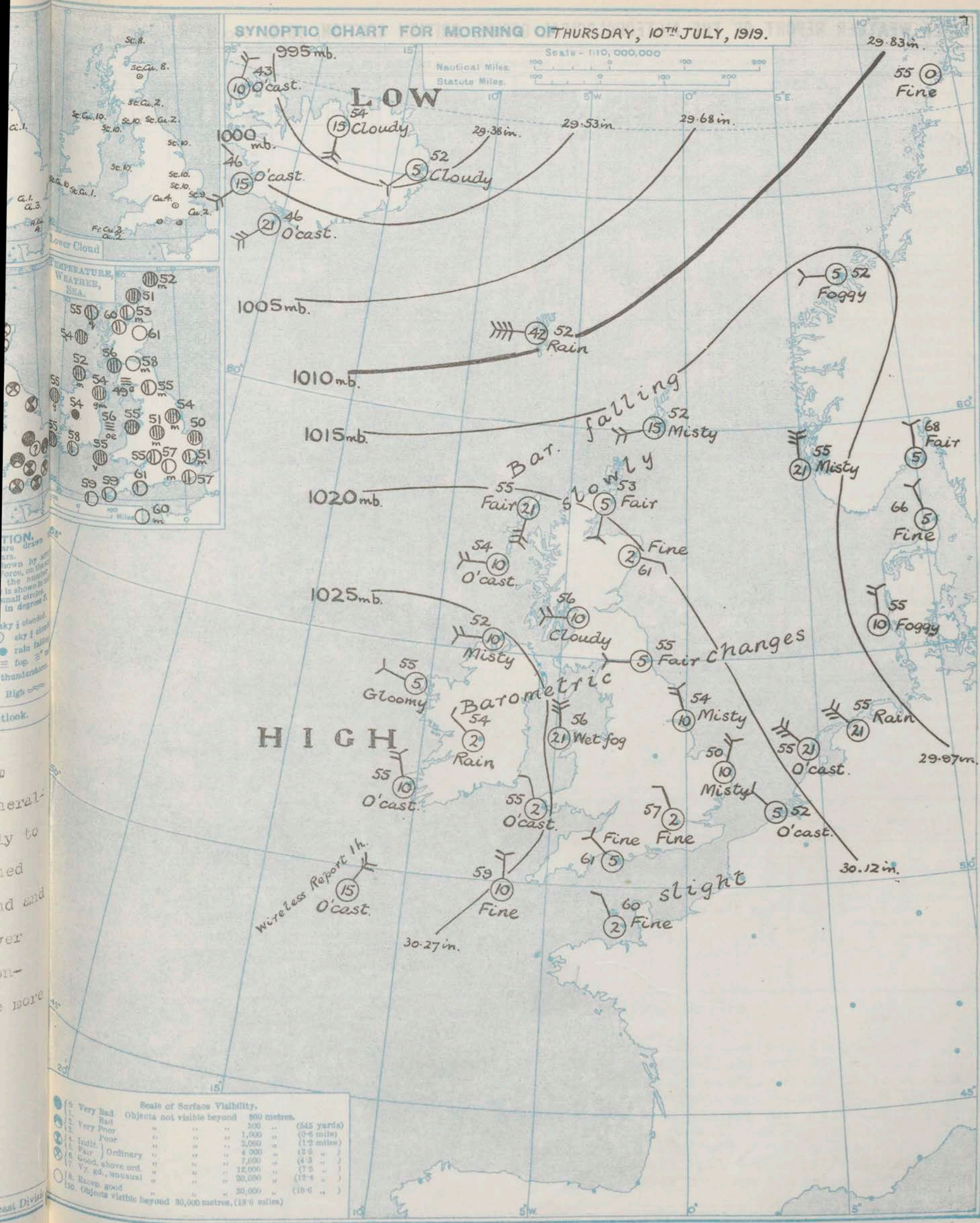
Further Outlook.

Fair, warm weather generally is likely to be maintained over England and Ireland. Over Scotland conditions are more uncertain.



# SYNOPTIC CHART FOR MORNING OF THURSDAY, 10<sup>TH</sup> JULY, 1919.

Scale - 1:10,000,000  
Nautical Miles. 100 200 300  
Statute Miles. 100 200 300



## HIGH

Barometric

Barometric

Barometric

Barometric

Barometric

Barometric

Scale of Surface Visibility.

Symbol	Description	Distance	Notes
1	Very Bad	Objects not visible beyond 200 metres.	
2	Bad	" " " 500 "	(545 yards)
3	Very Poor	" " " 1,000 "	(0.6 miles)
4	Poor	" " " 2,000 "	(1.2 miles)
5	Indist.	" " " 4,000 "	(2.5 " )
6	Fair	" " " 7,000 "	(4.3 " )
7	Good, above ord.	" " " 12,000 "	(7.5 " )
8	Vy. gd., unusual	" " " 20,000 "	(12.4 " )
9	Except 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. 191 B

Thursday  
10th July

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 9th																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 8h	Day. 9h-17h. 9h	to 17h. 9h	Sunrise to Sun- set 8h			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 8h	Day. 9h-17h. 9h	to 17h. 9h	Sunrise to Sun- set 8h
Scotland.	Oban ...	o bc	b	61	47	-	-	5.7	8.9	England, N.W.	Douglas (I.O.M.)	-	-	61	50	-	-	12.0	10.0
	Banff ...	bm	bc	61	49	1	-	0.6	2.8		Blackpool ...	-	-	61	46	-	-	5.0	10.6
	Montrose ...	-	-	61	45	-	-	5.2	8.0		Southport ...	oc	c b c b	61	49	-	-	5.5	10.6
	St. Andrews ...	bc	c	62	48	-	-	6.5	10.0										
England, N.E.	Harrogate ...	bc	b bc	71	43	-	-	7.0	5.1	Midlands.	Buxton ...	b c b	b	64	43	-	-	8.8	7.5
	Skegness ...	b	bm o	60	50	-	-	8.6	?		Leamington Spa...	b z	b z	74	46	-	-	8.5	7.3
											Malvern ...	-	-	-	-	-	-	-	-
											Ross-on-Wye ...	b z c b c	b c y	77	45	-	-	10.7	8.1
England, E.	Felixstowe ...	bc	bc	70	50	-	-	3.4	0.0	Wales.	Rhyl ...	c b e	b	59	53	-	-	10.3	13.2
	Walton-on-Naze...	-	-	-	-	-	-	-	-		Colwyn Bay ...	-	-	61	53	-	-	9.2	11.6
	Southend-on-Sea...	o c b m	b c m	71	50	-	-	8.3	0.0		Llandudno ...	c	b c	61	57	-	-	7.7	11.7
											Aberystwyth ...	o c b	b c o	60	56	-	-	5.0	6.9
England, S.E.	Margate ...	c b c b	b c c	69	51	-	-	3.7	0.4	England, S.W.	Weymouth ...	b b c	b c b	76	52	-	-	10.0	9.3
	Ramsgate ...	bc	bc	64	50	-	-	4.1	2.3		Teignmouth ...	b	b	75	56	-	-	10.5	8.5
	Folkestone ...	-	-	65	56	-	-	5.2	0.5		Torquay ...	b	b	74	55	-	-	11.3	11.3
	Hastings ...	a b c b	b b c	64	48	-	-	5.6	0.1		Paignton ...	b	b	76	55	-	-	11.5	11.0
	Eastbourne...	bc	bc	70	45	-	-	8.6	0.0		Penzance ...	b c	b	70	57	-	-	9.8	10.0
	Brighton ...	-	-	66	46	-	-	9.2	0.0		Newquay ...	b	b	63	57	-	-	6.5	6.8
	Worthing ...	b	b	68	45	-	-	10.1	0.0		Bude ...	b c	b	66	43	-	-	12.0	12.5
	Littlehampton ...	-	-	-	-	-	-	-	-		Ilfracombe ...	b	b	63	55	-	-	11.2	9.3
	Bournemouth ...	-	-	75	48	-	-	12.2	11.7		Weston-s-Mare ...	m b c	b c b	68	53	-	-	11.0	6.2

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.		THE BEAUFORT SCALE OF WIND FORCE.		
	WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Mph. on Grass ° F.	RAINFALL.		Sun. Hours.	No.	Limits of Velocity.			
	7h-13h <sup>9h</sup>	13h-18h <sup>9h</sup>	18h <sup>9h</sup> -1h <sup>10h</sup>	1h-7h <sup>10h</sup>				Day. 7h-18h	Night. 18h-7h			Statute miles per hour.	Metres per second.		
†Houton Bay (Orkney)... Eskdalemuir ... .. †Stranraer ... .. †Lough Foyle ... .. Valencia (Cahirciveen) ...	f bccz coz p.v b.v	ef.q bzbez co c.y b.v	ef.q bzbm.f o o b.bc.c.o	ef.pd f.fe o o o	51 71 61 60 65	46 42 49 50 54	* 37 * * 49	* - * * -	* - * * -	* 13.4 * * 13.6					
†Anglesey (Llangefni) ... Falmouth ... .. †Calshot (Hants) ... .. †Capel (Folkestone)... ..	c bcz c.z coz	co.bcc bcyz bbc c.z	o b.bw bcc z.b.o	omd. bw c.o bc.c	65 72 75 62	44 54 49 48	* 48 * *	* - * *	* - * *	* 13.5 * *					
Aberdeen ... .. †East Fortune ... .. †Howden ... .. †Felixstowe ... .. †Cranwell (Lincs) ... .. †Bedford ... .. Benson ... .. London (Kew Obsy.) ...	c.bc b.bcz - bccz bcc bz obz bz	bc bccz coz bcc bccz bccz bcz bbcZ	bc.c.b bccz co.z co.c oem om. bc bzy.bcz.bcu	omd. bw c.o bc.c - om wz - - - - - - - -	66 63 - 68 72 74 75 74	53 47 - 49 48 46 47 48	49 * * * * * * 39 45	- * * * * * * - -	- * * * * * * - -	6.8 * * * * * * * 11.3					

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. i 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.

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.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. inches.	Sun- shine to Sunset. Hours.	Humidity %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.							
	Morning	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.		Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.				
	24 HOURS ENDED ON G.M.T. ... 10 <sup>th</sup> ...								YESTERDAY.	TO-DAY.	... 10 <sup>th</sup> & 11 <sup>th</sup> July ... 1919.								
Greenwich (Royal Observatory)	c. o	o	b c z w	76	50	39	-	11.5	50	80	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Yarmouth ...	3.43	11.58	8.14				
City (Bunhill Row) ...	*	*	*	*	*	*	*	9.9	*	*						Greenwich ...	3.44	11.58	8.13
Westminster (St. James's Park)	*	*	*	75	54	50	-	10.4	58	81									
" (Admiralty Arch)	b e m	b c z	b m b z	76	57	*	-	8.2	48	65	Valencia ...	4.34	12.46	8.58					
Camden Sq. (British Rainfall)	b	b	*	78	53	51	-	11.1	46	76					Total ... 1799.1829 Joules. Milliwatts.	3.22	12.17	9.11	
Kensington Palace ...	b c	b c	*	76	52	44	-	*	*	73									Average Rate. 30.631.1
											Maximum Rate. 76	4.35	12.46	8.58					

## NOTES ON THE WEATHER OF YESTERDAY.

The temperature was higher than it had been on the previous few days. Maxima of 78°F. in London (Camden Square) and 77°F. at Ross-on-Wye were recorded. Very light rain was experienced in parts of Ireland, the north of Scotland and the west of England. Mist was experienced in most localities and fog at a few coast stations. Sunshine amounts were variable,

over 13 hours being recorded at Eskdalemuir, Valencia and Falmouth and practically no sunshine in the north of Scotland.





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

No 21,950B ..... FRIDAY, 11<sup>th</sup> JULY ..... 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
STATIONS.	BAROM.	†	WIND.		Weather	TEMP.	Humidity.	Visibility.	Height	Low Cloud.	Upper Cloud.	Sea	BAROM.	†	WIND.		Weather	TEMP.	Humidity.	Visibility.	Height	Low Cloud.	Upper Cloud.	Sea																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	at	Change	Force	°F.		%	0-10.	Feet.	Form.	Amt.	Form.	Amt.	0-9.	at	Change	Force		°F.	%	0-10.	Feet.	Form.	Amt.	Form.	Amt.	0-9.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	M.S.L.	in 3	0-12.											M.S.L.	in 3	0-12.											M.S.L.	in 3	0-12.									M.S.L.	in 3	0-12.									M.S.L.	in 3	0-12.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

+ 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, 11th July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NW. 0-5	Moderate	Variable cloud, some mist	Indiff.	Smooth
2. E. England	N. 0-10	"	Fair or fine, some mist or fog.	Poor	Slight
3. E. Midlands	Var. 0-5	"	Fair, hazy.	"	"
4. W. Midlands	" "	"	Variable cloud.	Indiff.	"
5. S.W. England	N. 5-15	"	Fair.	Fair	Slight
6. South Wales	N. 0-10	"	Fine	Ord.	"
7. North Wales	NW. 0-10	"	Overcast.	"	Smooth
8. N.W. England	NW-W. 0-10	"	Dull.	"	"
9. N. Midlands	Var. 0-5	"	Variable cloud, some mist.	Indiff.	"
10. N.E. England	" "	"	Fair, mist or haze.	Fair.	Smooth
11. E. Scotland	WSW. 0-10	Rather warm	Cloudy, some showers.	Var.	"
12. S.W. Scotland	Var. 0-10	Moderate	Dull, some slight rain and mist.	Fair	"
13. Isle of Man	Var. 0-10	Rather warm	Dull.	Ord.	"
14. N. & N.W. Scot- land	WSW. 5-10	Moderate	Dull.	"	"
15. Hebrides	W. 10-15	"	Overcast, some showers.	"	Slight
16. Orkneys and Shetlands	W. 5-20	"	Overcast, mist locally.	Indiff.	"
17. N.W. Ireland	WSW. 10-25	"	Overcast, wet fog.	Bad.	Mod.
18. N.E. Ireland	NW-SW. 0-10	Rather warm	Dull, some mist.	Var.	Smooth
19. S.E. Ireland	W-NW. 5	"	Overcast	Ord.	"
20. S.W. Ireland	W-NW. 5-10	Moderate	Overcast, some mist.	Var.	"

## GENERAL INFERENCE from observations received up to 10 a.m.

An anticyclone to the south-west of the British Isles is moving south-west slowly. The barometer is falling in the north of the British Isles under the influence of an Icelandic depression. Cloudy to dull weather with some showers over Scotland, the north of England and the north of Ireland; fair to cloudy weather over the rest of England and Ireland is, therefore, probable.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 11th July, 1919
1. S.E. England	Light to moderate NWly. breezes. Fair to cloudy, mist locally. Rather warm.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	Light to moderate Wly. or SWly. breezes. Cloudy to overcast, light showers not improbable, local mist or fog.
9. N. Midlands	
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Moderate temperature.
13. Isle of Man	
14. N. & N.W. Scot- land	Moderate or fresh Wly. or SWly. winds. Cloudy to dull, some showers, mist locally. Moderate temperature.
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	Same as for Nos. 8-13
19. S.E. Ireland	
20. S.W. Ireland	
	Light to moderate Wly. to NWly. breezes. Fair to cloudy, mist locally. Moderate temperature.

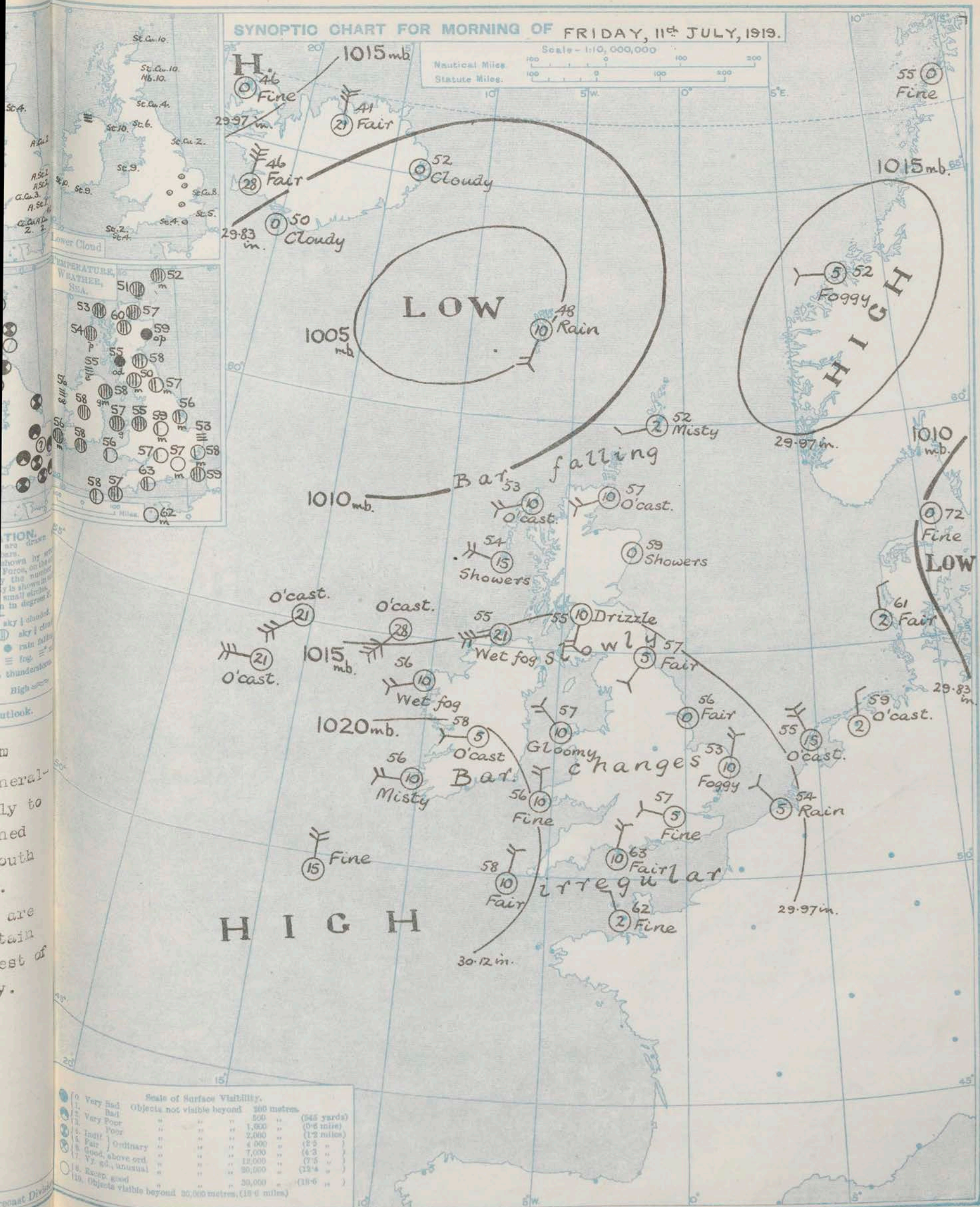
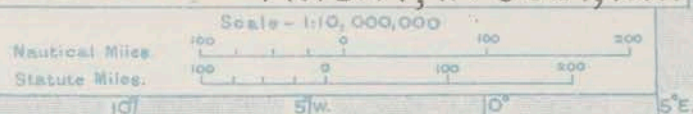
**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of five millibars.  
**WIND.**—Direction is shown by the arrow flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in small circles per hour by figures in small circles.  
**TEMPERATURE** is given in degrees F.  
**WEATHER SYMBOLS.**  
 ○ clear sky.    ☁ sky 1 clouded.  
 ☁ sky 2 clouded.    ☁ sky 3 clouded.  
 ☁ overcast sky.    ☁ rain falling.  
 \* snow.    ▲ hail.    = fog.    = thunder.  
**SEA DISTURBANCE.**—  
 Rough    High

## Farther Outlook.

Fair, warm weather generally is likely to be maintained over the South of England. Conditions are more uncertain over the rest of the country.



# SYNOPTIC CHART FOR MORNING OF FRIDAY, 11<sup>th</sup> JULY, 1919.





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 192 B

Friday,  
11<sup>th</sup> July

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 10<sup>th</sup>

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h. 9h-17h. 10 <sup>th</sup> .	Day. 10 <sup>th</sup> .	to 17h. 10 <sup>th</sup> .	Sunrise to Sunset. 10 <sup>th</sup> .		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h. 9h-17h. 10 <sup>th</sup> .	Day. 10 <sup>th</sup> .	to 17h. 10 <sup>th</sup> .	Sunrise to Sunset. 10 <sup>th</sup> .
Scotland.									England, N.E.								
Oban ...	b, bc	o	57	51	-	-	-	7.1	Douglas (I.O.M.)	-	-	60	51	-	-	8.5	12.0
Banff ...	b	b	67	49	-	-	9.5	0.7	Blackpool ...	-	-	62	53	-	-	2.0	7.7
Montrose ...	-	-	65	51	-	-	10.8	7.2	Southport ...	o	o, bc	59	49	-	-	-	7.5
St. Andrews ...	bc	c	69	44	-	-	11.6	8.7									
England, N.E.									Midlands.								
Harrogate ...	bc	bcc	73	43	-	-	5.8	9.0	Buxton ...	bcb	bcb	67	47	-	-	6.1	10.8
Skegness ...	o, bc	bc	60	49	-	-	-	8.6	Leamington Spa...	bz	bz	72	48	-	-	5.0	12.0
									Malvern ...	bz	bz	71	50	-	-	5.0	-
									Ross-on-Wye ...	o, bcc	b, cy	74	46	-	-	8.1	12.0
England, E.																	
Felixstowe ...	o	bc	65	48	-	-	5.4	4.0	Rhyl ...	g	g	59	53	-	-	0.1	13.3
Walton-on-Naze...	-	-	-	-	-	-	-	-	Colwyn Bay ...	-	-	59	54	-	-	-	12.3
Southend-on-Sea...	c, bm	b, bcm	66	55	-	-	7.0	4.3	Llandudno ...	o	o	60	53	-	-	-	10.5
									Aberystwyth ...	o, cc	c, bb	63	58	-	-	7.0	8.0
England, S.E.																	
Margate ...	c	c, bcb	61	51	-	-	4.1	3.7	Weymouth ...	b	bz	79	56	-	-	7.0	12.2
Ramsgate ...	bc	bc	61	54	-	-	5.7	4.1	Teignmouth ...	-	-	-	-	-	-	-	-
Folkestone ...	-	-	65	56	-	-	9.1	5.2	Torquay ...	b*	bc	70	53	-	-	10.3	14.2
Hastings ...	bcb	b	66	55	-	-	7.2	8.8	Paignton ...	bz	bz	72	51	-	-	9.5	13.8
Eastbourne ...	bc	bc	65	51	-	-	9.1	9.5	Penzance ...	b, bc	bc	66	55	-	-	11.6	12.3
Brighton ...	-	-	68	51	-	-	8.8	10.5	Newquay ...	b	b	61	55	-	-	8.9	9.2
Worthing ...	b	bc	72	52	-	-	7.4	11.3	Bude ...	c	bc	64	48	-	-	10.6	14.4
Littlehampton ...	bc	bc	71	47	-	-	6.0	-	Hfracombe ...	c, bc	bc	63	52	-	-	9.4	14.2
Bournemouth ...	-	-	76	52	-	-	7.8	14.2	Weston-s-Mare ...	b	b, cc	69	52	-	-	10.0	12.7

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUN.	
	7h-17h 10 <sup>th</sup> .	13h-18h 10 <sup>th</sup> .	18h-10h 11 <sup>th</sup> .	1h-7h 11 <sup>th</sup> .	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Sun. Hours.
†Houton Bay (Orkney)...	bcc	om	r, q	r, q	57	47	*	*
Esksdalemuir ...	febmb	bz	bz	bz, q, em	70	39	36	11.8
†Stranraer ...	co, v	bcc	c, o	o, z	61	52	*	*
†Lough Foyle ...	o, ab	o	-	d	60	50	*	*
Valencia (Cahirciveen) ...	b, bc	b, bc	bc, c, o	-	62	54	50	9.8
†Anglesey (Llangefni) ...	o, pa	o, g	b, o	b, bc	61	44	*	*
Falmouth ...	bz	bcc, z	bc, w	bc, w, o	68	55	52	11.9
†Caishot (Hants) ...	co, om	co, z	c, o	b, o	76	54	*	*
†Capel (Folkestone) ...	bcc, z	z, bcc	em, bcc	?	65	50	*	*
Aberdeen ...	b, bz	bc, z	om	bc, g, p	70	56	46	10.8
†East Fortune ...	bcc, z	-	bcc	bc, c	72	50	*	*
†Howden ...	-	-	-	-	-	-	-	-
†Felixstowe ...	co, z	cf, bcc	co, cf	em, z	67	48	*	*
†Cranwell (Lincs) ...	om	bcc	co, bcc	b, bc, c	68	52	*	*
†Bedford ...	o, z	cz	-	z, w	74	46	*	*
Benson ...	bz	bcc, z	o, b	-	71	52	46	*
London (Kew Obs.) ...	bc, om	o, z	c, om, b, cm, b, m	-	68	54	45	4.8

## 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. i 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	28.5-33.6
12	Above 76	33.7 or above

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 1=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.		TEMPERATURE.		RAINFALL.		SUN.		HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.		
	Morning.	Afternoon.	Night.	Max. °F.	Min. °F.	Min. on Grass °F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	15 h. G.M.T.	9 h. G.M.T.		11 <sup>th</sup> & 12 <sup>th</sup> July 1919.		
Greenwich (Royal Observatory)	cz	c, bcz	bc, o, c, h	70	55	46	-	5.0	68	70	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Stations.	Sunrise.	Noon.
City (Bunhill Row) ...	*	*	*	*	*	*	-	3.8	*	*	Total 1437.7 Joules. Milliwatts.		G.M.T.	G.M.T.
Westminster (St. James's Park)	*	*	*	69	56	56	-	4.2	78	83		Yarmouth...	3.44	11.58
" (Admiralty Arch)	b, m, bcz	bcz	bc, om, bz	68	57	*	-	4.2	65	68	Average Rate. 24.5 Maximum Rate. 67	Greenwich	3.57	12.5
Camden Sq. (British Rainfall)	b, bc	b, bc	*	72	56	53	-	4.5	63	68		Wick	3.23	12.17
Kensington Palace ...	bc	bc	*	69	55	48	-	*	*	72		Valencia ...	4.35	12.46
													12.46	8.58

## NOTES ON THE WEATHER OF YESTERDAY.

Over the north and west of Scotland and the north of Ireland, a small amount of rain was measured, elsewhere no rain fell. Sunshine amounts were variable 12.4 hours being recorded at Naism, 11.9 hours at Falmouth, and 0.0 hours at Stornoway. Some mist was

experienced in most localities and fog was reported from a few stations notably on the north coast of Ireland at night.

† Air Ministry Station.

\* Information for these columns not usually received.





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

No. 24951B SATURDAY, 12<sup>th</sup> JULY, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.

STATIONS.	13H. G.M.T. OF 11 <sup>th</sup>														18H. G.M.T. OF 11 <sup>th</sup>													
	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather.	TEMP. °F.	HUMIDITY. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather.	TEMP. °F.	HUMIDITY. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.
Houton B. (Orkney)	1009.7	0	WNW	6	C	55	82	6	1-1500	St	8	-	-	4	1007.0	-3	W	6	0	51	82	6	1-2000	St. Cu	9	-	-	3
Eskdalemuir ...	1013.6	-2	SW	4	cm	62	75	4	2-3000	St	8	-	-	*	1011.4	-2	W	4	0	60	65	7	-	Cu	4	Ci	4	*
Stranraer ...	1015.5	-2	WSW	4	do	59	97	6	1-1500	St	10	-	-	*	1013.5	-2	NNW	4	0	57	87	7	1-2000	St	6	A. Cu	2	*
Lough Foyle ...	1015.4	-1	WSW	6	0	54	97	4	1-1000	St	9	-	-	*	1014.4	-1	WSW	6	0	55	87	5	1-1000	St. Cu	9	-	-	4
Valencia (Cahire'n)	1021.5	-2	W	3	C 0	58	92	3	< 500	St	10	-	-	3	1019.8	-3	NN	2	om.	57	97	3	< 500	St	10	-	-	3
Anglesey (Llangefni)	1018.0	-2	SW	2	0	58	82	6	1-2000	St	10	-	-	2	1015.9	-2	SW	2	8	58	82	7	1-1000	St	10	-	-	3
Palmouth ...	1018.5	-1	NNW	4	b	69	55	6	-	-	-	-	-	*	1017.3	-1	NW	5	bqz	62	75	5	-	-	Ci C	3	*	
Calshot (Hants) ...	1017.2	-1	-	0	C	77	45	7	5-7000	Cu	4	A. Cu	4	2	1014.1	-3	SW	3	0	68	65	6	4-5000	St. Cu	6	A. Cu	3	4
Capel (Folkestone)	1016.4	+1	ESE	2	bcz	63	82	3	-	St. Cu	7	-	-	2	1014.5	-1	SE	1	bz	58	97	3	-	-	-	-	-	2
Aberdeen ...	1009.0	-4	SW	3	bcy	75	40	7	-	Cu	5	Ci	1	3	1007.6	0	NNW	2	bcy	64	55	8	-	Cu	3	A. Cu	1	2
East Fortune ...	1011.7	-4	WSW	6	bcy	65	65	5	4-5000	St. Cu	5	-	-	*	1010.3	-1	WNW	6	bcy	61	65	6	3-4000	St. Cu	3	A. Cu	2	*
Howden ...	1016.3	0	ESE	3	bz	59	87	3	< 500	Cu N	10	-	-	5	1014.5	-2	SSE	3	f	57	92	1	-	-	-	-	-	4
Felixstowe ...	1014.6	-2	NNW	1	b	73	55	4	4-5000	F. Cu	1	Ci C	3	*	1012.9	-2	NW	4	c	71	65	5	2-3000	St	4	Ci	4	*
Cranwell (Lincs) ...	1015.3	-3	NW	2	bc	75	65	6	4-5000	F. Cu	3	Ci S.	2	*	1013.1	-3	NNW	2	bz	75	45	-	2-3000	-	-	Ci C	1	*
Bedford ...	1015.2	-2	-	0	b	73	55	5	-	-	-	-	-	*	1013.0	-3	NW	2	b	79	45	7	-	-	-	-	-	*
Benson ...	1015.2	-2	NNW	2	bcz	73	55	6	-	Cu	3	-	-	*	1013.2	-2	WNW	2	bz	76	45	6	-	Cu	2	Ci	1	*
London (Kew Ob.)	1015.2	-2	NNW	2	bcz	73	55	6	-	Cu	3	-	-	*	1013.2	-2	WNW	2	bz	76	45	6	-	Cu	2	Ci	1	*
1H. G.M.T. OF 12 <sup>th</sup>																												
Houton B. (Orkney)	1005.0	-3	WSW	8	b	48	92	6	1-1000	St	10	-	-	4	1007.6	+5	NW	7	0	47	92	4	1-1500	St. Cu	9	-	-	6
Eskdalemuir ...	1012.6	-1	WNW	4	C	47	82	7	-	Cu	8	-	-	*	1012.5	0	WNW	4	bc	51	75	7	-	F. Cu	2	A. St	4	*
Stranraer ...	1013.9	-1	WNW	2	C	48	97	-	2-3000	St	8	-	-	*	1012.0	+2	NNW	4	C	54	75	8	3-4000	St. Cu	7	-	-	3
Lough Foyle ...	1020.9	+2	NNW	4	0	55	*	*	*	*	*	*	*	*	1015.8	+2	NNW	3	C	52	82	8	5-7000	St. Cu	4	Ci St	4	4
Valencia (Cahire'n)	1015.2	0	SSW	3	0	54	92	-	1-1000	St. Cu	10	-	-	3	1016.3	+1	N	4	or	55	98	6	-	Nb	10	-	-	*
Anglesey (Llangefni)	1016.1	-2	NW	4	0	59	97	5	-	St	9	-	-	*	1012.7	-1	NNW	3	0	60	92	3	1-1000	Nb	10	-	-	4
Palmouth ...	1014.2	0	W	1	0	61	87	7	1-2000	St	10	-	-	3	1011.6	+1	NNE	2	0	63	82	4	4-5000	St.	4	A. Cu	4	1
Calshot (Hants) ...	1013.1	-2	W	2	bc	60	87	6	-	-	-	A. St	5	2	1009.4	+1	WNW	4	C	55	65	8	-	Cu Nb	8	-	-	3
Capel (Folkestone)	1013.1	-2	W	2	bc	60	87	6	-	-	-	-	-	*	1010.8	0	W	4	0	53	75	5	3-4000	St. Cu	8	-	-	*
Aberdeen ...	1009.0	0	W	1	b	45	97	5	4-5000	St. Cu	1	-	-	*	1012.6	-1	WNW	1	0	60	98	2	-	St.	10	-	-	2
East Fortune ...	1010.9	0	WNW	4	b	50	82	-	-	-	-	-	-	*	1013.3	+2	NW	3	or	52	92	4	1-1500	Nb	10	-	-	*
Howden ...	1013.1	-1	W	1	f	55	97	0	-	-	-	-	-	4	1013.5	+3	NNE	2	Tf.	53	92	2	1-2000	St.	10	-	-	*
Felixstowe ...	1012.5	-1	NNW	2	f. f	59	97	4	1-1500	Nb.	10	-	-	*	1012.8	+2	N	2	or	54	98	3	-	Nb	10	-	-	*
Cranwell (Lincs) ...	1012.5	-1	NNW	2	f. f	59	97	4	1-1500	Nb.	10	-	-	*	1012.2	+2	NNW	5	or	59	92	4	-	Nb	7	A. St.	3	*
Bedford ...	1012.5	-1	NNW	2	f. f	59	97	4	1-1500	Nb.	10	-	-	*	1012.2	+2	NNW	5	or	59	92	4	-	Nb	7	A. St.	3	*
Benson ...	1012.9	0	W	1	0	66	*	*	*	*	*	*	*	*	1012.2	+2	NNW	5	or	59	92	4	-	Nb	7	A. St.	3	*
London ...	1012.9	0	W	1	0	66	*	*	*	*	*	*	*	*	1012.2	+2	NNW	5	or	59	92	4	-	Nb	7	A. St.	3	*
MO. at 1H.																												

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	18H. G.M.T. of 11 <sup>th</sup>					7H. G.M.T. of 12 <sup>th</sup>					24 HOURS ENDED 7H. 12 <sup>th</sup>											Sunshine Hours.
	BAROM. at M.S.L. m b.	TEMP. °F.	WIND.		Weather.	BAROMETER. at M.S.L. m b.	Change in 3 hours.	TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.				
			Direc.	Force 0-12.				Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.		
Lerwick ...	1006.3	55	WSW	3	bcn	1004.2	+1	50	-2	W	4	-	om	2	1	57	48	om	bcn	op.	*	
Stornoway ...	1007.8	54	WSW	5	opv	1013.2	+5	47	-6	NW	5	-	og	4	2	58	46	o.c.o	o.cpv	og	3.9	
Castlebay (Barra Is)	1011.5	52	WNW	4	c	1015.5	+4	50	-4	NW	4	NW	bc	4	0.4	56	48	op.o	o.c	bc.o.b	3.6	
Glasgow ...	1012.4	59	W	4	c	1012.3	+1	51	-4	W	3	NW	bc	*	Trace	64	47	od.pc	c.bc.c	c.o.c.bc	6.4	
Malin Head ...	1013.0	55	WNW	5	bcgm	1015.5	+3	51	-4	NNW	7	N	cq	6	0.2	58	50	cmq	bcmq	cmq p	3.7	
Blacksod Point	1016.7	57	W	3	bcn	1019.5	+2	53	-3	NW	4	NW	bc	3	1	59	50	oge	cmq	bc.bc	*	
Roche's Point...	1018.4	63	NW	3	o	1020.2	+2	53	-5	NNW	3	#	b	1	0.4	68	51	o	o	op.o.b.	*	
Birr Castle ...	1017.8	56	SW	2	o	1020.1	*	52	-6	NW	2	-	c	*	3	62	44	o	op.	c	0.0	
Donaghadee ...	1013.6	62	W	4	cg	1014.9	+2	52	-6	WNW	4	NW	c	3	-	63	46	ogm	og	cq.bcn	*	
Liverpool (Bidston)	1014.3	63	W	3	o	1014.3	+2	52	-3	NW	3	NW	og	3	3	63	52	c.	o.	or	1.3	
Holyhead	1015.5	57	SW	4	og	1016.0	+1	52	-5	NW	5	NW	bcq	4	5	64	51	o.cq.	o.c.o	or.bc.c	1.5	
Pembroke (St. Ann's Head)	1017.3	57	WNW	1	c	1017.8	+3	52	-4	NNW	3	W	c	3	2	62	49	b.bc	bc.c	c.o.or.o	9.0	
Scilly (St. Mary's)	1018.7	60	N	3	o	1017.2	0	56	-2	NNW	3	N	od	4	1	65	55	bc	bc.o	ofm.d	10.0	
Jersey (St. Aubin)	1016.1	67	NW	3	bm	1014.6	0	60	-2	W	2	-	o	2	-	71	57	bm.b	bm	bm.b.o	11.7	
Portland Bill ...	1015.8	63	WNW	2	b	1013.1	-1	60	-3	NW	5	-	cq	3	-	66	55	bc	bc.b	bc.c.o	*	
Dungeness ...	1013.1	62	E	2	c	1011.0	-1	64	+5	SW	2	-	bc	1	-	65	54	c	c	c.c.bc	*	
Wick ...	1006.7	57	W	3	o	1008.1	+3	52	-5	WNW	4	-	bcn	2	-	62	45	o.c	c.o	cm.bcn	*	
Nairn ...	1007.8	59	W	2	bc	1010.4	*	52	+8	W	3	-	cq	3	0.2	71	47	c.b.c	bc	p.rq.cq	8.4	
Leith ...	1009.6	63	WNW	4	bc	1011.2	0	53	-5	NW	2	NW	bc	2	-	68	47	c.bq.b	bcq.bc	bc.w.bc	*	
Tynemouth ...	1011.4	63	W	2	om	1011.2	0	52	-5	W	5	SW	cmq	2	-	71	48	bcn	cm	om.cm	*	
Spurn Head ...	1013.1	57	SSE	3	cm	1012.6	0	54	-2	NNW	3	-	o	3	6	62	54	f.cm	f.cm	or	0.0	
Yarmouth (Gorleston-on-Sea)	1014.1	56	S	3	bc	1011.7	-2	55	+2	NIE	4	-	or	4	6	60	52	f.bcn	bcn	m.f.o	6.0	
Clacton-on-Sea	1014.2	57	SE	2	o	1011.3	-1	60	+2	WNW	1	-	ogmr	1	-	65	55	b.om	om	f.ogm.d	5.0	
Nottingham ...	1013.5	69	NW	?	o.	1013.4	*	53	-6	WNW	2	W	om	*	7	77	52	b.	bc.c.o.	o.cd.	9.6	



# SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 12th July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Light var.	Warm.	Overcast, mist and rain.	Below ord.	Slight
2. E. England	stronger locally.	Moderate	" " "	V. poor	"
3. E. Midlands	NNE-NW. 5-10	R. cool	Rain and mist.	Ord.	"
4. W. Midlands	N. 5	"	Rain	Poor	"
5. S.W. England	N-NW. 10-20	"	Cloudy and overcast, local drizzle.	Var.	Mod.
6. South Wales	N. 10	"	Cloudy.	"	Slight
7. North Wales	NNW-NW. 10-20	Cool	Fair to cloudy; squalls at Holyhead.	Ex. good	Mod.
8. N.W. England	NW. 10	"	Overcast.	"	Slight
9. N. Midlands	WNW. 5	"	Overcast, misty.	"	"
10. N.E. England	N-W. 10-20	"	Cloudy to overcast, mist & squalls at Tynemouth.	Var.	Slight
11. E. Scotland	W-NW. 10-15	Med.	Cloudy to overcast.	Ex. good	"
12. S.W. Scotland	W. 10-15	"	Fair generally.	Good	"
13. Isle of Man	NW. 10-15	Cool	Cloudy to overcast.	"	"
14. N. & N.W. Scot- land	WNW. 10-15	Mod.	Fair to cloudy, local mist.	Var.	"
15. Hebrides	NW. 15-20	Cold.	Variable cloud, squally at Stornoway.	"	Mod.
16. Orkneys and Shetlands	W-NW. 15-35	R. cold	Overcast, squally Orkneys, mist Shetlands.	Below ord.	R. rough
17. N.W. Ireland	NW. 15	R. cool.	Fair generally.	"	Slight
18. N.E. Ireland	N-NW. 15-35	"	Cloudy, squally at Londonderry.	"	R. rough
19. S.E. Ireland	NW. 5	"	Cloudy.	"	Slight
20. S.W. Ireland	NNW. 15-20	"	Variable cloud.	Ex. good	"

## GENERAL INFERENCE from observations received up to 10 a.m.

A depression centred to the north-east of Scotland is moving east or north-east. The barometer is rising or steady over the Kingdom. Northerly or NWly. winds with fair weather generally are, therefore, likely. Minor disturbances may cause some rain in the south of England at first.

## Districts. Forecasts for the 24 hours commencing 3 p.m. Saturday, 12th July, 1919

1. S.E. England	
2. E. England	Light to moderate Nly. or NWly. breezes. Dull to
3. E. Midlands	cloudy with some rain at first, improving.
4. W. Midlands	Moderate temperature.
5. S.W. England	
6. South Wales	
7. North Wales	Light or moderate Nly. or NWly. breezes. Fair generally.
8. N.W. England	
9. N. Midlands	Moderate temperature.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Moderate to fresh Nly. or NWly. winds. Squally,
13. Isle of Man	changeable, some showers. Rather cool.
14. N. & N.W. Scot- land	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Moderate Nly. or NWly. winds, fresh in exposed places.
18. N.E. Ireland	
19. S.E. Ireland	Fair generally. Rather cool.
20. S.W. Ireland	



**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of five millibars.  
**WIND.**—Direction is shown by an arrow flying with the wind. Force, on the Beaufort scale, is indicated by the number 0-12. Mean velocity is shown in feet per hour by figures in small circles.  
**TEMPERATURE.**—Mean temperature is given in degrees F.  
**WEATHER SYMBOLS.**  
 ☉ clear sky. ☁ sky & clouded. ☂ sky & rain. ☄ overcast sky. ☇ rain falling. \* snow. ▲ hail. ☼ fog. ⚡ thunder. ⚡ thunderstorm.  
**SEA DISTURBANCE.**—Rough. High.

## Further Outlook.

Withheld

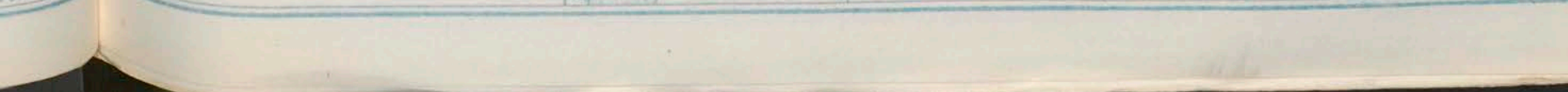
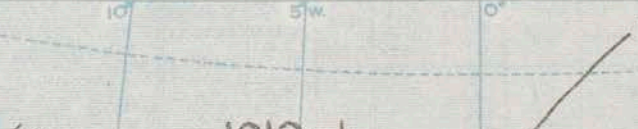
**Erratum.**  
 The readings entered against Bodo and Christiansund on the chart of the report for yesterday were erroneous.



Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200





WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 11 <sup>th</sup>																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h. 10 <sup>th</sup> .	Day. 9h-17h. 11 <sup>th</sup> .	to 17h. 11 <sup>th</sup> .	Sunrise to Sunset 10 <sup>th</sup> .			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h. 10 <sup>th</sup> .	Day. 9h-17h. 11 <sup>th</sup> .	to 17h. 11 <sup>th</sup> .	Sunrise to Sunset 10 <sup>th</sup> .
Scotland	Oban ... ..	o. b	o	57	53	1	-	3.1	-	England, N.W.	Douglas (I.O.M.)	c	c	65	53	-	1	0.9	8.5
	Banff ... ..	bc	b	70	56	-	-	8.7	10.5		Blackpool ... ..	bc	co	62	54	-	-	0.4	3.9
	Montrose ... ..	-	-	74	48	-	-	5.1	11.3		Southport ... ..	o	oco	61	54	-	-	-	0.3
	St. Andrews ... ..	bc	bc	71	52	-	-	6.8	13.4										
England, N.E.										Midlands.	Buxton ... ..	ocb	bcob	66	50	-	-	4.9	6.8
	Harrogate ... ..	bc	beco	73	52	-	-	7.2	5.8		Leamington Spa ... ..	b	b	76	53	-	-	10.5	5.0
	Skegness ... ..	om bc	bc b	61	51	-	-	6.6	4.9		Malvern ... ..								
											Ross-on-Wye ... ..	br by	by cy	80	51	-	-	11.8	8.5
England, E.	Felixstowe ... ..	om	om	61	51	-	-	0.5	7.8	Wales.	Rhyl ... ..	c	bcc	65	53	-	-	3.3	2.1
	Walton-on-Naze ... ..										Colwyn Bay ... ..			66	53	-	-	4.5	1.3
	Southend-on-Sea ... ..	bc by	bc bz	72	56	-	-	5.0	9.0		Llandudno ... ..	bc	o	65	53	-	-	3.8	0.7
											Aberystwyth ... ..	ocb	co	63	58	-	-	4.0	9.0
England, S.E.	Margate ... ..	c b c b	b	63	54	-	-	5.4	5.9	England, S.W.	Weymouth ... ..	b z b	b	75	57	-	-	10.0	7.4
	Ramsgate ... ..	bc	b	61	54	-	-	4.7	7.0		Teignmouth ... ..	b	b	73	57	-	-	11.0	-
	Folkestone ... ..			68	54	-	-	5.4	9.4		Torquay ... ..	b	b b c b	74	56	-	-	11.0	10.4
	Hastings ... ..	o b c b	b b c	71	53	-	-	6.6	9.6		Paignton ... ..	b z	b	73	56	-	-	11.0	10.3
	Eastbourne ... ..	bc	bc	71	51	-	-	8.6	9.9		Penzance ... ..	bc. b	b. bc	68	57	-	-	10.0	13.3
	Brighton ... ..			68	55	-	-	9.7	8.8		Newquay ... ..	c	b. bc	67	56	-	-	5.3	9.6
	Worthing ... ..	b	b	71	55	-	-	10.6	7.4		Bude ... ..	wt o b c	bc	65	53	-	-	7.1	13.3
	Littlehampton ... ..	b	b	71	54	-	-	9.5	6.0		Ilfracombe ... ..	o c b c	bc	62	49	-	-	5.1	11.1
	Bournemouth ... ..			79	53	-	-	10.5	7.8		Weston-s-Mare ... ..	bm	bc	68	54	-	-	11.0	11.0

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.	THE BEAUFORT SCALE OF WIND FORCE.		
	WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	RAINFALL.		Sun. Hours.		No.	Limits of Velocity.	
	7h-13h.11 <sup>th</sup>	13h-18h.11 <sup>th</sup>	18h.11-1h.12 <sup>th</sup>	1h-7h.12 <sup>th</sup>				Day. 7h-18h	Night. 18h-7h				Statute miles per hour.	Metres per second.
†Houton Bay (Orkney)...	pd.g	pd.g	bcc.g	rg	58	45	*	*	*	*	b blue sky (not more than a quarter covered).	0	Less than 1	Less than 0.3
Eskdalemuir ... ..	corm	bey.c	bcc	c.bc	67	42	?	-	-	2.9	bc sky partly cloudy (one half covered).	1	1-3	0.3-1.5
†Stranraer ... ..	o.z	o	bcc				*	*	*	*	c generally cloudy (three quarters covered).	2	4-7	1.6-3.3
†Lough Foyle ... ..	d.g	c.g					*	*	*	*	d drizzle, or fine rain.	3	8-12	5.4-5.4
Valencia (Cahirciveen) ...	om	om	ocm	o.c.bc	58	52	48	-	-	0.0	e wet air without rain falling.	4	13-18	5.5-7.9
†Anglesey (Llangefni) ...	o	o	o.g	c.o.	64	47	*	*	*	*	f fog. g gloom.	5	19-24	8.0-10.7
Falmouth ... ..	c.bey	by.bz	bcc.o	op	69	54	54	-	2	10.6	h hail. l lightning.	6	25-31	10.8-13.3
†Calshot (Hants) ... ..	b.bcc	bcc	b.o	b.o.	77	55	*	*	*	*	m mist.	7	32-38	13.9-17.1
†Capel (Folkestone) ... ..	bz	bz	f.c	z	67	52	*	*	*	*	o overcast sky.	8	39-46	17.3-20.7
Aberdeen ... ..	ocbey	bey	bcc	b.c.b.c	77	47	37	-	-	7.7	p passing showers.	9	47-54	20.8-24.4
†East Fortune ... ..	co.g	bcc.g	bcc.g	b.c.g.	72	47	*	*	*	*	q squalls.	10	55-63	24.5-23.4
†Howden ... ..							*	*	*	*	r rain.	11	64-75	23.5-23.5
†Felixstowe ... ..	bz	bz	f.	ef.p.	63	53	*	*	*	*	rs sleet, i.e., rain and snow together.	12	Above 75	33.6 or above
†Cranwell (Lincs) ... ..	bcc	b.bc	c.p.	r	77	52	*	*	*	*	s snow.			
†Bedford ... ..	b.bcc.w	b.c.z		omr	77	52	*	*	*	*	t thunder.			
Benson ... ..	bz	b					*	*	*	*	u ugly, threatening sky.			
London (Kew Obsy.) ...	cm.bcz	b.c.z.b.y	b.r	bz.omr	79	54	54	-	9	*	v unusual visibility.			
					77	57	53	-		11.7	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.

**SYMBOLS—**

Aurora	☉	Solar halo	☉
Rime	☾	Lunar halo	☾
Glazed frost	☼	Solar corona	☼
Glazed roads	☾	Lunar corona	☾

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp.	Min. Temp.	Min. on Grass.	Rain- fall.	Sun- shine to Sunset.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning	Afternoon.	Night.	° F.	° F.	° F.	mm.	Hours.	15 h. G.M.T.	9 h. G.M.T.		.....12 <sup>th</sup> & 13 <sup>th</sup> July..... 1910.			
	24 HOURS ENDED 9H G.M.T. .... 12 <sup>th</sup> ....							YESTERDAY.		TO-DAY.					
Greenwich (Royal Observatory)	c. bc	bc. b.	bc. c. od	80	54	46	6	10.1	55	96	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Stations.	Sunrise.	Noon.	Sunset.
City (Bunhill Row) ... ..	*	*	*	*	*	*	*	8.7	*	*		G.M.T.	G.M.T.	G.M.T.	
Westminster (St. James's Park)	*	*	*	79	54	55	9	10.6	64	96		Yarmouth...	3.45	11.58	8.12
" (Admiralty Arch)	by. bcz	bcz	bc. od. or. m.	80	56	*	8	10.5	49	90		Greenwich	3.46	11.58	8.11
Camden Sq. (British Rainfall)	b	b	*	82	54	56	8	12.0	47	95			3.58	12.5	8.12
Kensington Palace ... ..	bc	bc	*	78	55	54	9	*	*	94	Total .... 198.7 .....	Joules.			
											Milliwatts.				
											Average Rate, 33.9				
											Maximum Rate, 75				
												Wick ...	3.25	12.17	9.9
												Valencia ...	3.27	12.17	9.8
													4.36	12.46	8.57
													4.37	12.46	8.56

## NOTES ON THE WEATHER OF YESTERDAY.

Some rain was measured this morning in most parts of the country, the amounts being comparatively small over most of Scotland and Ireland. As much as 9 mm. were measured at Benson and at London (Kensington Palace). These larger amounts fell during the night. Sunshine amounts were variable, more than 11 hours being recorded at some stations in south-west England and no sunshine at Spurn Head.

Birr Castle and at Valencia.  
Temperature was about normal in most districts. Maxima of 80°F. in London (Admiralty Arch), 79°F. at Benson and 77°F. at Nottingham, were recorded.



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

No. 21,052B ... SUNDAY, 13<sup>th</sup> JULY ..... 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 19h.																												
STATIONS.	13h. G.M.T. OF 12h.														18h. G.M.T. OF 12h.													
	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea
			Dir.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				0-9.	Dir.						Force 0-12.	Form.	Amt. 0-10.	0-9.	
Houton B. (Orkney)	1013.1	+6	NW	6	0	47	75	4	1 1/2-2000	St Cu	10	-	-	1	1014.9	+2	NW	5	0	45	87	7	1 1/2-2000	St Cu	10	-	-	5
Eskdalemuir	1013.6	+2	NW	5	c	59	75	8	7-9000	Cu Nb	8	-	-	*	1016.7	+2	N	4	0	53	65	8	5-7000	Cu Nb	10	-	-	*
Stranraer	1016.7	+4	NW	6	q	56	75	8	2-3000	Cu	5	-	-	*	1018.9	+4	NW	6	bc	55	75	8	2-3000	Cu	1	alc	3	*
Lough Foyle	1020.1	+2	NW	6	c	55	75	7	1 1/2-2000	St Cu	8	-	-	5	1022.2	+3	NW	7	c	54	82	7	2-3000	Cu	7	-	-	5
Valencia (Cahire'n)	1024.8	+4	NW	5	b	58	65	8	3-4000	Cu	3	-	-	4	1026.7	+3	NW	5	b	57	65	8	2-3000	Cu	3	-	-	3
Anglesey (Llangefni)	1017.7	+3	NW	3	0	55	75	8	2-3000	Cu	7	alc	2	4	1020.0	+2	NNE	4	c	54	65	8	3-4000	Cu	5	alc	2	4
Falmouth	1019.6	+3	NW	5	bc	61	55	7	-	Cu	5	-	-	*	1021.0	+2	NW	4	bc	50	55	6	-	Cu	2	ci	1	*
Calshot (Hants)	1015.8	+2	N	1	0	56	75	7	1-1500	St	10	-	-	4	1016.9	+1	NW	2	0	60	65	8	5-7000	St Cu	10	-	-	4
Capel (Folkestone)	1013.5	+1	NNE	4	T	53	92	5	-	Nb	10	-	-	5	1015.4	+1	N	1	2	55	82	5	-	St	5	alc	4	3
Aberdeen	1013.6	+4	NW	4	c	53	82	8	-	Cu Nb	7	-	-	3	1016.3	+3	NW	4	cyp	51	75	8	-	Cu Nb	7	-	-	3
East Fortune	1013.0	+2	NE	2	0	58	65	7	5-7000	St Cu	9	-	-	*	1016.1	+2	E	1	bc	56	75	7	5-7000	St Cu	5	-	-	*
Howden	1014.2	+2	N	1	T	55	92	3	-	Nb	10	-	-	2	1015.6	+1	NW	1	c	56	75	6	5-7000	St Cu	3	ast	4	3
Felixstowe	1014.2	+1	NW	2	0	59	55	5	2-3000	St	7	alc	3	*	1015.3	+2	NW	2	c	58	55	5	4500	St	5	alc	3	*
Cranwell (Lincs)	1014.7	+1	NW	2	om	59	65	3	2-3000	St	10	-	-	*	1015.8	+1	NW	3	om	58	65	4	2-3000	St	10	-	-	*
Bedford	1015.5	+3	NW	4	c	58	82	4	-	-	-	-	-	*	1016.1	+1	NW	3	b	59	65	10	-	Cu	2	-	-	*
Benson	1015.0	+2	NW	1	om	56	75	6	-	St Cu	5	ast	4	*	1016.2	+2	NW	2	0	59	65	6	-	St Cu	10	-	-	*
London (Kew Obs.)	1015.0	+2	NW	1	om	56	75	6	-	St Cu	5	ast	4	*	1016.2	+2	NW	2	0	59	65	6	-	St Cu	10	-	-	*
1h. G.M.T. OF 13h.																												
Houton B. (Orkney)	1016.5	0	NW	3	0	44	97	5	2-3000	St	8	alc	2	-	1015.4	-2	WNW	1	bc	49	98	5	3-4000	Cu	5	-	-	2
Eskdalemuir	1020.2	+2	NNW	2	b	40	82	7	-	-	-	-	-	*	1019.2	0	WNW	3	bc	50	75	7	-	St Cu	4	ci	1	*
Stranraer	1021.9	+1	NW	3	bc	49	97	-	2-3000	Cu	5	-	-	*	1020.7	-1	NW	3	2	54	87	4	1 1/2-2000	St Cu	5	-	-	*
Lough Foyle	1029.3	+2	NNW	2	bc	53	*	*	*	*	*	*	*	*	1022.1	-1	WNW	7	0	54	92	6	1 1/2-2000	St Cu	10	-	-	*
Valencia (Cahire'n)	1029.3	+2	NNW	2	bc	53	*	*	*	*	*	*	*	*	1030.1	+1	NNW	3	bc	64	75	8	2-3000	Cu	2	ci	4	3
Anglesey (Llangefni)	1014.2	+2	N	2	c	49	75	8	2-3000	St	6	ci	2	4	1023.0	+1	NW	4	c	53	82	7	1 1/2-2000	St Cu	7	alc	1	5
Falmouth	1024.9	+3	NNW	2	b	50	82	6	-	Cu	2	-	-	*	1026.7	+3	N	4	b	56	65	8	-	Cu	1	-	-	*
Calshot (Hants)	1020.2	+3	NNW	3	b	53	75	7	-	-	-	-	-	4	1022.7	+2	NW	4	bc	54	75	7	5-7000	-	-	alc	1	4
Capel (Folkestone)	1017.4	+1	NNW	4	0	50	87	8	-	-	-	alc	10	4	1020.0	+1	WNW	2	c	50	98	5	-	St	5	ast	5	3
Aberdeen	1016.5	0	NNW	1	b	44	82	7	3-4000	St Cu	3	-	-	*	1017.0	0	-	0	b	51	65	7	-	St Cu	1	-	-	2
East Fortune	1019.3	+2	WNW	1	b	43	82	2	-	-	-	-	-	*	1018.1	-1	W	2	b	51	75	4	-	-	-	-	-	*
Howden	1017.6	+2	NNW	2	0	52	92	-	-	St	7	alc	2	4	1020.2	+3	NW	2	T	51	98	5	2-3000	St	10	-	-	3
Felixstowe	1018.7	+3	NNW	2	0	50	97	4	1 1/2-2000	St	10	-	-	*	1020.3	+2	W	1	0	50	92	4	2-3000	St	6	ast	3	3
Cranwell (Lincs)	1018.7	+3	NNW	2	0	50	97	4	1 1/2-2000	St	10	-	-	*	1020.6	+2	NW	1	om	53	87	1	2-3000	St	10	-	-	*
Bedford	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.7	+3	WNW	2	0	50	82	7	-	Cu	8	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.0	+3	NW	3	0	52	75	6	-	St Cu	10	-	-	*
London	1018.8	+2	WSW	3	bc	51	*	*	*	*	*	*	*	*	1021.0	+3	NW	3	0	52	75	6	-	St Cu	10	-	-	*
(M.O. at 1h.)																												
STATIONS CONTRIBUTING REPORTS AT 7h AND 19h.																												
STATIONS.	7h. G.M.T. OF 13h.														19h. G.M.T. OF 13h.													
	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND.		Weather	BAROMETER. at M.S.L. m.b.	Change in 3 hours.	TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea	Rainfall mm.	TEMP.			WEATHER.			Sunshine Hours.						
			Dir.	Force 0-12.				Temp.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.								
Lerwick	1012.7	48	NW	5	cm	1014.4	0	50	0	WNW	3	NW	b	2	0.2	56	42	bomp	cm	bc	*							
Stornoway	1018.7	53	NW	5	bc	1017.1	+1	52	+5	NW	3	-	0	2	1	54	45	bcomp	bc	bc 0	9.2							
Castlebay (Barra Is)	1020.6	53	WNW	2	c	1019.5	0	52	+2	WNW	4	NW	c	3	1	56	49	bc op	b op c	c bc	11.3							
Glasgow	1017.3	58	WNW	4	bc	1018.7	-1	51	0	W	3	NW	c	*	-	62	43	bc c bc	bc v	bc b bc	13.0							
Malin Head	1021.2	54	N	6	cmq	1021.0	-2	53	+2	NW	7	NW	cmq	6	0.3	55	48	bcq p	bcq p	cmq	11.0							
Blacksod Point	1025.4	57	NNW	4	b	1026.0	0	55	+2	W	5	W	cm	4	-	59	51	bc	bc	b2 bcm	*							
Roche's Point	1024.3	58	NW	5	bc	1028.3	+1	55	+2	NW	5	NW	b	3	0.1	62	50	bc p	c op bc	b	*							
Birr Castle	1018.7	57	NW	3	c	1027.6	*	52	0	NNW	1	NW	bc	*	-	60	43	c	c	bc	9.5							
Donaghadee	1020.3	55	WNW	5	bcq	1021.7	0	53	+1	W	4	NW	bcq 2	4	-	58	48	cm	bcq	bc 2	*							
Liverpool (Bidston)	1017.5	56	W	5	b	1021.1	+2	53	+1	WNW	5	N	bcq	4	-	58	51	bc	bcq	b bcq	6.7							
Holyhead	1020.4	54	NNW	5	bcq	1023.1	+1	54	+2	NW	5	NW	bq	4	-	59	50	c bc	bc q	bc q	8.0							
Pembroke (St. Ann's Head)	1021.5	56	N	3	cv	1024.3	+2	52	0	NW	3	NW	b	3	-	60	49	c bc	bc cv	bc v bc	9.2							
Scilly (St. Mary's)	1022.4	60	NNW	5	bc	1027.7	+1	56	0	N	5	N	bc	5	-	62	52	bc	bc	bc	11.4							
Jersey (St. Aubin)	1018.3	60	NW	3	b	1024.3	+1	55	-5	NW	3	-	b	2	1	62	53	om cdp	o b	b	3.8							
Portland Bill	1016.4	60	NW	5	bc	1023.0	+2	57	-3	NNW	5	NW	bc	3	2	65	50	T o c	bc	bc	*							
Dungeness	1015.0	58	NNW	3	bc	1019.5	+3	50	-14	NNW	3	NW	bc	3	7	64	45	c o r c	erc	c bc	*							
Wick	1015.7	49	NW	5	cyp	1015.5	0	51	-1	WNW	1	NW	bc	1	-	52	42	bc op	omp c	or o	*							
Nairn	1017.3	53	WNW	4	bc	1016.3	*	50	-2	W	1	-	q	1	-	53	36	c bcq	bc q	bc q	5.1							
Leith	1015.7	57	NW	3	c	1017.4	+1	51	-2	W	2	NW	b2	2	1	59	42	bcq bc	cp o c	q bc 2	*							
Lynemouth	1015.8	53	NE	4	om	1018.3	+1	49	-3	NW	3	-	bm	2	-	57	42	cmq	cp	bm	0.0							
Spinn Head	1014.9	57	-	0	c	1019.4	+1	52	-2	N	3	-	c	2	2	58	50	c	cp	cp	0.0							
Yarmouth (Dorseton)	1015.3	57	NE	2	bc	1017.3	+1	51	-4	N	2	-	c	2	9	59	47	ot	bc or	bc c	2.7							
Clacton-on-Sea	1015.2	58	W	2	c	1019.7	+4	51	+9	NNW	2	-	c	1	11	60	50	ogmf	og t c	c	0.3							
Nottingham	1015.6	57	NW	4	c	1020.2	*	52	-1	WNW	2	NW	c	*	0.1	61	50	o c	o c	cp o	1.1							

† Air Ministry Station.

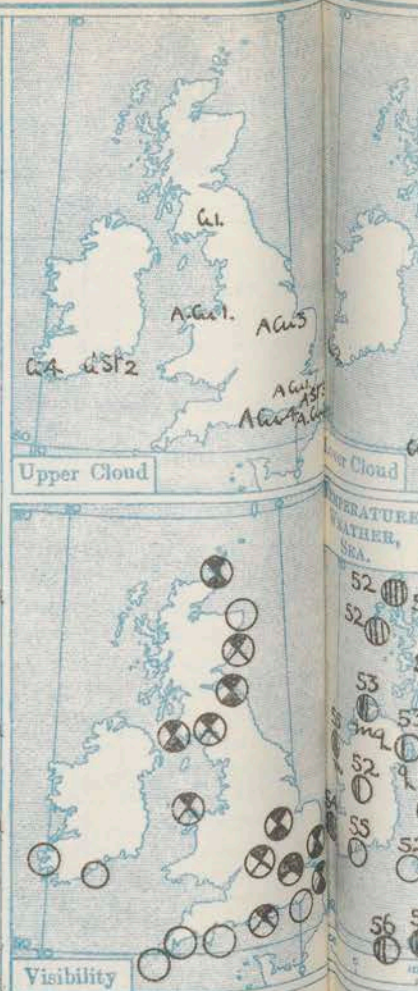
\* Information for these columns not usually received.

The barometric change is expressed in half millibars. § Longside † at 10



# 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-NW 10-20	cool	Dull	good	mod.
2. E. England	N-NW 5-10	"	Cloudy local showers	indiff.	slight
3. E. Midlands	NW 5	r. cool	Dull, some mist	Poor	---
4. W. Midlands	NW 5-10	" "	Cloudy	ord.	---
5. S.W. England	N-NW 10-20	Mod.	Fair or fine	good	mod.
6. South Wales	NW 10	r. cool	Fine	ord.	slight
7. North Wales	NW 15-20	" "	Fair, squally	good	mod.
8. N.W. England	WNW 15-20	" "	Fair, squally	good	mod.
9. N. Midlands	W-N 5-10	" "	Cloudy	ord.	---
10. N.E. England	N-NW 5-10	" "	Fine to cloudy, some mist	"	slight
11. E. Scotland	W-NW 0-5	" "	Variable cloud	var.	smooth
12. S.W. Scotland	W-NW 10-15	" "	Fair to cloudy	good	mod.
13. Isle of Man	NW 15	" "	Fair or fine	"	"
14. N. & N.W. Scotland	W-NW 0-10	" "	Cloudy	ord.	smooth
15. Hebrides	W-NW 10-15	Moderate	Dull	"	slight
16. Orkneys and Shetlands	WNW 0-10	"	Fair or fine	"	smooth
17. N.W. Ireland	W-NW 20-35	"	Dull, some mist, squally	var.	rather rough
18. N.E. Ireland	W-NW 15-25	"	Fair or fine, local squalls	ord.	mod.
19. S.E. Ireland	N-NW 5-15	r. cool	Fair or fine	good	slight
20. S.W. Ireland	NNW 10-20	" "	Fair or fine	good	slight



GENERAL INFERENCE from observations received up to 10 a.m.

The anticyclone over the Eastern Atlantic is spreading over England and Ireland slowly. Moderate or fresh northerly or northwesterly winds with fair to cloudy weather are therefore likely to prevail.

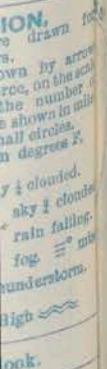
Districts.	Forecasts for the 24 hours commencing 3 p.m. Sunday 13 <sup>th</sup> July, 1919.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Moderate northerly or northwesterly breezes. Cloudy to fair. Moderate temperature.	Fair weather is indicated over
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Moderate to fresh winds between north and northwest. Fair to cloudy. Moderate temperature or rather cool.	England and Ireland for the next few days
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Light to moderate northwesterly breezes. Fair to cloudy some showers locally. Rather cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate to fresh winds from between northwest and North. Fair generally, local mist. Rather cool.	



Scale - 1:10,000,000

Nautical Miles 100 0 100 200

Statute Miles 100 0 100 200



Objects not visible beyond	200 metres	
Very bad	"	"
Bad	"	500 "
Poor	"	1,000 "
"	"	2,000 "
Ordinary	"	4,000 "
"	"	7,000 "
Good, above ord.	"	12,000 "
Very good, unusual	"	20,000 "
Excellent	"	30,000 "
Objects visible beyond	30,000 metres, (18·6 miles)	



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 194 B

Sunday  
13th July

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-19h.	Day. 9h-17h.	to 12h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-19h.	Day. 9h-17h.	to 12h.	Sunrise to Sunset.
Scotland.									England, N.W.								
Oban ... ..	o.	bc.o	57	49	0.1	-	6.6	3.4	Douglas (L.O.M.)								
Banff ... ..	bc	bc	54	45	1	0.4	5.3	9.3	Blackpool ... ..								
Montrose ... ..	-	-	74	42	-	0.4	4.5	6.6	Southport ... ..	o.c.bc	bc.b	58	52	4	-	7.5	-
St. Andrews ... ..																	
England, N.E.									Midlands.								
Harrogate ... ..	cp.	bc	73	52	4	0.4	3.4	7.2	Buxton ... ..	cr.bc.b	bc.bc	56	48	1	-	5.2	4.9
Skegness ... ..									Leamington Spa... ..	o.c.b	c.b	61	54	12	-	2.4	11.0
									Malvern ... ..								
									Ross-on-Wye ... ..	o.c.	c.ov.pc	65	53	12	-	3.5	11.8
England, E.									Wales.								
Felixstowe ... ..	or.	bc	58	54	5	7	0.3	0.5	Rhyl ... ..								
Walton-on-Naze... ..									Colwyn Bay ... ..								
Southend-on-Sea... ..	orm	or.cm	60	55	6	7	0.2	5.8	Llandudno ... ..								
									Aberystwyth ... ..	r.o.c	c.b.o	57	52	-	-	3.7	4.0
England, S.E.									England, S.W.								
Margate ... ..	or.	or	61	56	-	9	0.0	7.3	Weymouth ... ..								
Ramsgate ... ..	o	o	62	54	-	6	0.1	4.8	Teignmouth ... ..								
Folkestone ... ..	-	-	64	54	3	-	0.1	5.4	Torquay ... ..	o.c.b	b.bc.b	64	56	1	-	5.1	12.7
Hastings ... ..	or.	o	65	54	-	1	0.0	8.0	Paignton ... ..	c.bc	bc	65	55	1	-	3.8	11.8
Eastbourne ... ..	or.	r.o.bc	66	54	-	3	0.1	9.5	Penzance ... ..								
Brighton ... ..									Newquay ... ..								
Worthing ... ..	o	or	60	56	0.3	0.4	0.5	11.8	Bude ... ..	r.o.c.bc	bc	62	53	1	-	8.0	7.1
Littlehampton ... ..	o.	o.c.bc	71	56	-	2	0.7	11.1	Ilfracombe ... ..								
Bournemouth ... ..	-	-	63	56	3	3	1.5	12.0	Weston-s-Mare ... ..	c	bu	63	55	*	*	5.7	

STATIONS.	SUMMARIES FOR PAST 24 HOURS.									
	WEATHER				Max. Temp. F.		Min. Temp. F.		Rainfall.	
	7h-13h	13h-19h	19h-1h	1h-7h	7h-13h	13h-19h	19h-1h	1h-7h	7h-13h	13h-19h
†Houton Bay (Orkney)...	c.f	r.o.g	c.o.p	c.o	49	44	30	*	*	*
†Eskdalemuir ... ..	bc.bc	c.or.op	c.b.c	bc	58	36	20	Trace	1	2.8
†Stranraer ... ..	bc.cq	b.b.cq	bc.c	c.o.2	57	44	*	*	*	*
†Lough Foyle ... ..	p.2.g	p.1.g	cq		58	49	*	*	*	*
Valencia (Cahiriveen) ...	c.o.bc.b	by.b	bc.c.bc		59	49	40	-	-	12.1
†Anglesey (Llangefni) ...	c.o.p	bc.c.p.m	bcc.g	c.o.g	58	47	*	*	*	*
Falmouth ... ..	cp.bcy	by.	b	b	62	48	41	Trace	-	9.1
†Calshot (Hants) ... ..	cp.	c.b	bcc	b	63	45	*	*	*	*
†Capel (Folkestone)...	r.2	2.0	c.o.y	c.opz	63	46	*	*	*	*
Aberdeen ... ..	bc.cq	bc.cq	b.c.c.b	b	57	42	33	1	-	5.8
†East Fortune ... ..	c.op	bc.c	b	b	59	40	*	*	*	*
†Howden ... ..							*	*	*	*
†Felixstowe ... ..	r.2	r.2	of.r	c.or	60	51	*	*	*	*
†Cranwell (Lincs) ... ..	r.0	c.0	o.c.0	o.c	59	48	*	*	*	*
†Bedford ... ..	r.0m	c.2	om	om	77	49	*	*	*	*
Benson ... ..	o	bc.v	bc	bc.o	62	43	36	4	-	*
London (Kew Obs.) ...	or.	o	o.bc	b.bc.o	62	47	39	8	-	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. i 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.			Max. Temp. F.		Min. Temp. F.		Rain-fall.		Sun-shine to Sunset.		Humidity %	
	Morning.	Afternoon.	Night.	7h-13h	13h-19h	19h-1h	1h-7h	7h-13h	13h-19h	7h-13h	13h-19h	7h-13h	13h-19h
	24 HOURS ENDED 24 G.M.T. 13th										Yesterday.	To-day.	To-day.
Greenwich (Royal Observatory)	or.	or	op.o	63	49	40	3	1.1	71	77			
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	*			
Westminster (St. James's Park)	*	*	*	*	*	*	*	*	*	*			
Admiralty Arch	or.g	or.g	bc.cd	63	50	*	1	0.5	54	70			
Camden Sq. (British Rainfall)	or.o	o.c	*	64	48	45	2	0.8	87	71			
Kensington Palace ... ..	or.	or.	*	63	48	41	1	*	*	74			

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.		
	Stations.	Sunrise.	Noon.
Total 64.9 Joules.	Yarmouth...	3.46	11.58
	Greenwich	3.47	11.59
Average Rate. 11.1 Milliwatts.	Wick	3.27	12.17
	Valencia	4.37	12.46
Maximum Rate. 4.9			

## NOTES ON THE WEATHER OF YESTERDAY.

Cool northerly or northwesterly winds were prevalent over the country mainly moderate in force but fresh in exposed places. The maximum thermometer reached 77°F at Bedford and over 70°F at a few stations in the south of England. Minima during the night were as low as 36°F at Nairn and 43°F at Benson. Some heavy rain was experienced during the day in the southeast of England, 1.1mm was measured at Clacton-on-Sea and 8mm at Kew Observatory.

† Air Ministry Station.

\* Information for these columns not usually received.





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

No. 21053B MONDAY 14<sup>th</sup> JULY 1919.

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

STATIONS.	BAROM.	↑	WIND.		Weather.	TEMP.	% Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea	BAROM.	↑	WIND.		Weather.	TEMP.	% Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea	
	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.		°F.				Form.	Amt. 0-10.	Form.	Amt. 0-10.		0-9.	at M.S.L.	Change in 3 hours.	Dir.		Force 0-12.				°F.	Form.	Amt. 0-10.	0-9.		
	m.b.															m.b.													
13H. G.M.T. 13 <sup>h</sup>															18H. G.M.T. OF 13 <sup>h</sup>														
Houton B. (Orkney)	1015.7	0	NW	5	c	53	75	7	1½-2000	Sc	7	-	-	3	1017.2	+1	N	5	c	49	65	7	3-4000	Sc	3	Ac	3	1	
Eskdalemuir ...	1018.2	-1	WNW	5	opq	52	82	6	-	CuN	9	-	-	*	1017.7	0	WNW	4	c	55	65	6	-	Cu	2	Ac	5	*	
Stranraer ...	1020.1	0	NW	7	c	58	92	6	3-4000	Sc	7	Ac	1	*	1020.5	0	NW	5	c	55	92	7	3-4000	Sc	10	Ci-cu	2	*	
Lough Foyle ...	1023.0	0	WNW	6	o	55	82	6	1-1500	Sc	10	-	-	5	1023.9	0	WNW	5	fof	54	92	4	1-1000	Nb.	10	-	-	4	
Valencia (Cahire'n)	1030.1	0	NW	4	bc	56	-	-	-	-	-	-	-	2	1030.0	-1	WNW	4	o	61	65	7	1½-2000	Sc	10	-	-	3	
Anglesey (Llangefni)	1023.3	-1	W	4	q	60	65	8	3-4000	Cu	4	Ac	?	5	1023.0	0	NW	4	o	57	75	7	3-4000	Sc	10	-	-	5	
Falmouth ...	1027.8	+3	NW	5	b, yv	61	45	8	-	-	-	-	-	*	1027.8	0	WNW	4	b, yz	62	45	8	-	-	-	-	-	*	
Calshot (Hants) ...	1023.3	0	WNW	3	c	63	55	8	4-5000	Cu	7	-	-	4	1024.0	0	NW	5	o	63	55	8	4-5000	-	Ac	6	6		
Capel (Folkestone)	1022.0	+1	NW	3	c	58	65	6	5-7000	Sc	8	-	-	3	1021.5	-2	WNW	4	bcv	58	55	8	-	Sc	7	-	-	3	
Aberdeen ...	1016.5	-1	S	2	c	57	82	7	-	CuN	8	-	-	2	1016.6	+1	NNW	2	c	56	55	8	-	CuN	7	-	-	2	
East Fortune ...	1016.8	-1	NW	3	bcv	60	55	8	7-9000	Sc	7	-	-	*	1016.9	0	NNE	3	fo	57	75	6	4-5000	Nb.	8	-	-	*	
Flamborough Head	1018.3	0	-	0	c	54	75	5	7-9000	Sc	7	-	-	5	1018.0	0	W	2	o	54	75	8	5-7000	Nb	5	Ac	2	5	
Felixstowe ...	1021.1	0	NW	3	o	59	65	6	-	Sc	5	Ac	3	4	1020.8	0	NW	1	o	58	65	6	4-5000	Sc	9	-	-	4	
Cranwell (Lincs)	1019.0	-4	WNW	5	c	59	55	6	2-3000	Sc	5	Ac	3	*	1019.7	0	WNW	5	c	57	65	6	1-3000	Sc	5	Ac	6	*	
Bedford ...	1021.2	+2	W	4	c	60	55	6	5-7000	Cu	8	-	-	*	1021.1	0	NW	3	bcq	60	55	4	5-7000	F. Cu	5	CuN	3	*	
Benson ...	1021.8	0	WNW	3	bc	64	55	7	-	-	-	-	-	*	1021.9	0	NW	4	c	60	55	10	4-5000	Cu	6	-	-	*	
London (Kew Obs.)	1022.0	0	W	3	c	61	55	8	-	Cu	4	CiS.	3	*	1021.9	0	WNW	2	o	62	55	8	-	Sc	6	Ac	3	*	
1H. G.M.T. OF 14 <sup>h</sup>															7H. G.M.T. OF 14 <sup>h</sup>														
Houton B. (Orkney)	1018.7	+2	NNW	3	b	43	92	5	5-7000	Cu	3	-	-	2	1017.2	0	NNW	5	c	48	87	6	2-3000	Sc	8	-	-	5	
Eskdalemuir ...	1018.3	0	N	2	b	45	82	7	-	-	-	-	-	*	1018.2	0	-	o	51	75	7	-	-	-	-	-	-	*	
Stranraer	1020.1	0	NW	7	c	58	92	6	-	-	-	-	-	*	1020.5	0	NW	5	c	55	92	7	-	-	-	-	-	*	
Lough Foyle ...	1023.0	0	WNW	6	o	55	82	6	-	-	-	-	-	*	1023.9	0	WNW	5	fof	54	92	4	-	-	-	-	-	*	
Valencia (Cahire'n)	1029.7	0	NW	4	o	54	*	*	*	*	*	*	*	*	1027.5	0	WNW	4	o	56	98	6	5-500	Sc	10	-	-	3	
Anglesey (Llangefni)	1021.5	-1	WNW	3	do	52	97	-	1-1500	Sc	10	-	-	5	1019.3	-2	WNW	3	cmf	54	98	3	4-1000	Sc	10	-	-	3	
Falmouth ...	1026.3	-2	NW	3	ow	55	92	7	-	CuN	9	-	-	*	1023.8	-2	WNW	3	oem	57	98	5	-	Nb	10	-	-	*	
Calshot (Hants) ...	1022.7	-1	W	3	o	53	75	8	12-2000	Sc	10	-	-	4	1021.0	-2	WSW	3	o	54	92	8	1-3000	Sc	10	-	-	3	
Capel (Folkestone)	1020.6	-3	WNW	4	bv	52	65	8	-	-	CiS.	6	5	*	1019.8	0	WNW	5	o	54	75	6	4-5000	Sc	10	-	-	4	
Aberdeen ...	1016.9	-1	N	3	b	42	87	7	2-4000	Sc	3	-	-	*	1017.6	0	NW	4	b	50	65	8	-	Cu	1	-	-	3	
East Fortune ...	1018.3	+1	-	0	b	47	92	-	5-7000	N	1	Ac	1	*	1018.3	0	NW	3	b	51	65	6	-	-	-	-	-	*	
Flamborough Head	1001.6	-3	NW	2	o	51	87	5	4-5000	Sc	7	Ac	3	5	1016.7	0	NNW	3	cu	51	82	6	12-2000	Sc	8	-	-	5	
Felixstowe ...	1019.6	-1	WNW	5	q	55	92	-	-	CuN	10	-	-	4	1018.6	0	NW	4	b	55	87	6	-	Sc	2	Ci-st	1	4	
Cranwell (Lincs)	1018.7	-1	WNW	3	o	51	82	6	2-3000	Sc	6	Ac	3	*	1018.0	-1	W	3	bc	53	75	5	4-5000	Sc	2	Ac	2	*	
Bedford ...	1021.2	0	W	4	c	60	55	6	5-7000	Cu	8	-	-	*	1019.1	-1	W	2	cm	55	75	3	4-5000	Sc	10	-	-	*	
Benson ...	1021.8	0	WNW	3	bc	64	55	7	-	-	-	-	-	*	1018.8	-2	W	2	o	55	87	5	-	Cu	10	-	-	*	
London (Kew Obs.)	1022.0	0	W	3	c	61	55	8	-	Cu	4	CiS.	3	*	1019.7	0	WSW	3	o	55	75	5	-	Sc	9	-	-	*	
(M.O. at In.)																													

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dirac. of Upper Cloud.	Weather	Sea	Rainfall	TEMP.		WEATHER.			Sunshine Hours.
	at M.S.L.	°F.	Dirac.	Force 0-12.		at M.S.L.	Change in 8 hours.	Temp. °F.	Change in 24 hours.	Dirac.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
	m.b.					m.b.															
	18H. G.M.T. of 13 <sup>h</sup>					7H. G.M.T. of 14 <sup>h</sup>					24 HOURS ENDED 7H. 14 <sup>h</sup>					13 <sup>h</sup>					
Lerwick ...	1015.9	48	N	4	omq	1015.7	0	50	0	NNW	4	N	bc	3	0.4	56	42	bcp	cm	bc	*
Stornoway ...	1018.9	58	NW	2	b	1018.8	0	52	0	-	0	-	oz	0	-	58	45	obc	bc.b	b.oz.	11.1
Castlebay (Barrals)	1020.3	54	WNW	3	c	1019.2	0	53	+1	NW	4	-	o	3	1	56	50	coc	c.c	c.oz.	4.2
Glasgow ...	1017.8	60	W	4	c	1018.7	0	49	-2	-	0	-	b	*	-	61	43	c.oz.	bc.b	bc.b	10.1
Malin Head ...	1021.3	53	NW	4	cmq.p	1019.1	+1	53	0	NW	4	-	omq	4	4	55	51	cmq.p	cmq.p	omq.d	1.6
Blacksod Point	1024.4	55	WSW	5	omr	1023.8	0	55	0	WNW	4	-	omq	4	5	59	53	cm	oma	omq.p	*
Roche's Point...	1027.8	58	WNW	5	o	1024.6	-1	58	+3	NNW	5	-	o	3	-	65	55	b.b	b.c	o	*
Birr Castle ...	1025.8	54	W	2	r	1023.0	*	56	+4	NW	3	-	o	*	1	62	52	c	c.oz	o	9.8
Donaghadee ...	1021.2	55	W	4	c.g	1018.3	-2	55	+2	NW	2	-	omd	2	3	59	52	bcqz	cmq.p	cmq.p	*
Liverpool (Bidston)	1020.3	57	W	5	o	1018.3	-1	52	-1	WNW	2	-	od	1	1	60	52	c	o.g	c.oz.	5.9
Holyhead ...	1022.5	57	W	4	og	1019.1	-2	54	0	W	4	-	og	3	1	63	52	bc	cog	c.oz.	5.5
Pembroke (St. Ann's Head)	1025.8	56	WSW	4	cy	1022.2	0	54	+2	W	3	-	of	4	0.4	58	51	bv	bev	c.oz.	12.0
Scilly (St. Mary's)	1024.3	60	WNW	4	b	1025.9	-2	57	+1	NW	5	NW	om	5	-	62	55	bc	bc.b	c.oz.	14.3
Jersey (St. Aubin)	1026.9	60	WNW	4	b	1024.3	-1	57	+2	W	4	-	o	3	-	62	53	bc	b	b.oz.	13.5
Portland Bill ...	1024.4	62	NW	4	b	1022.2	-1	55	-2	W	4	-	or	4	1	64	54	bc.b	b	c.oz.	*
Dungeness ...	1021.1	60	SW	4	bc	1019.4	-1	55	+5	WSW	3	W	c	3	2	64	50	c.p	c	c.b.c	*
Wick ...	1017.2	52	NW	4	cq	1017.0	0	50	-1	NNW	4	-	bc	2	1	57	38	bc.pq	cq	cq.b.b	*
Nairn ...	1018.4	55	W	2	bc	1017.8	*	51	+1	W	1	-	bc	1	1	63	35	o.cq	c.b	bc	3.9
Leith ...	1016.7	61	NW	2	c	1017.8	0	51	0	NW	1	-	b	2	1	62	44	b.b.c	c.oz.	c.oz.	*
Lynmouth ...	1018.2	56	N	3	c	1017.1	+1	51	+2	N	2	N	bom	3	1	62	44	crhp	emp	cm	*
Spurn Head ...	1018.8	53	NNW	3	cp	1017.1	0	52	0	NW	4	-	cq	4	4	60	50	c	cp	cq	1.8
Yarmouth (Gor. Island)	1018.7	53	WSW	2	cp	1016.1	0	52	+1	NNE	3	-	bom	3	1	58	49	c.b	bc.p	c.b	4.1
Glacton on Sea	1020.4	62	WNW	4	c	1018.4	0	55	+4	WNW	4	NW	bc	2	-	62	51	c	c.b	c.b	3.8
Nottingham ...	1020.6	58	WNW	4	c	1019.3	*	54	+2	W	2	NW	cm	*	Trace	62	49	c	c	c	7.0



# SUMMARY OF CONDITIONS AT 7 A.M. Monday, 14th July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	WSW-WNW, 10-20	Cool	Cloudy to overcast; light drizzle in Surrey	Good	Moderate
2. E. England	W-N, 10-15	"	Fair or fine, local mist.	"	"
3. E. Midlands	W, 5-10	R. cool	Variable cloud, local mist.	Moderate	"
4. W. Midlands	W, 5	"	Overcast.	Ord.	"
5. S.W. England	W-NW, 15-20	Moderate	Overcast, local mist & light rain.	"	Moderate
6. South Wales	W, 10	"	Overcast, showery.	"	"
7. North Wales	W, 10-15	R. cool	Overcast, rain & mist.	Poor	"
8. N.W. England	WNW, 5	Cool	Overcast.	"	Calm
9. N. Midlands	W, 5	R. cool	Cloudy, misty.	"	"
10. N.E. England	WNW-N, 5-15	Cool	Fair to cloudy, squalls at Spurn Head.	Ord.	Moderate
11. E. Scotland	WNW, N, 5-10	"	Fine, local squalls.	Ex. good	Slight
12. S.W. Scotland	Calm	"	Fine	V. good	"
13. Isle of Man	W.-NW, 10-15	"	Overcast.	"	"
14. N. & N.W. Scotland	NNW, 15	R. cool	Fair generally.	"	"
15. Hebrides	Calm to NW.	Moderate	Overcast, showers at Castlebay.	"	"
16. Orkneys and Shetlands	NNW, 15-20	Cool	Fair to cloudy.	Good	Moderate
17. N.W. Ireland	WNW, 15	Moderate	Overcast, misty.	"	"
18. N.E. Ireland	WNW, 5-15	"	Overcast, mist and showers locally.	"	Slight
19. S.E. Ireland	NW, 10	"	Overcast.	"	"
20. S.W. Ireland	WNW, NNW, 15-20	"	Overcast.	V. good	"



**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of five millibars.  
**WIND.**—Direction is shown by an arrow pointing in the direction from which the wind is blowing. Force, on the Beaufort scale, is indicated by the number 0-12, is indicated by the number of feathers. Mean velocity is shown in small circles per hour by figures in degrees.  
**TEMPERATURE.**—Temperature is given in degrees Fahrenheit.  
**WEATHER SYMBOLS.**  
 ○ clear sky. ○ sky & cloud. ○ sky & rain. ○ overcast sky. ● rain falling. \* snow. ▲ hail. ≡ fog. T thunder. F thunderstorm.  
**SEA DISTURBANCE.**—Rough High

## GENERAL INFERENCE from observations received up to 10 A.M.

Slight secondary depressions over the British Isles will cause cool and showery weather generally, moderate winds from between NW. and W. continuing.

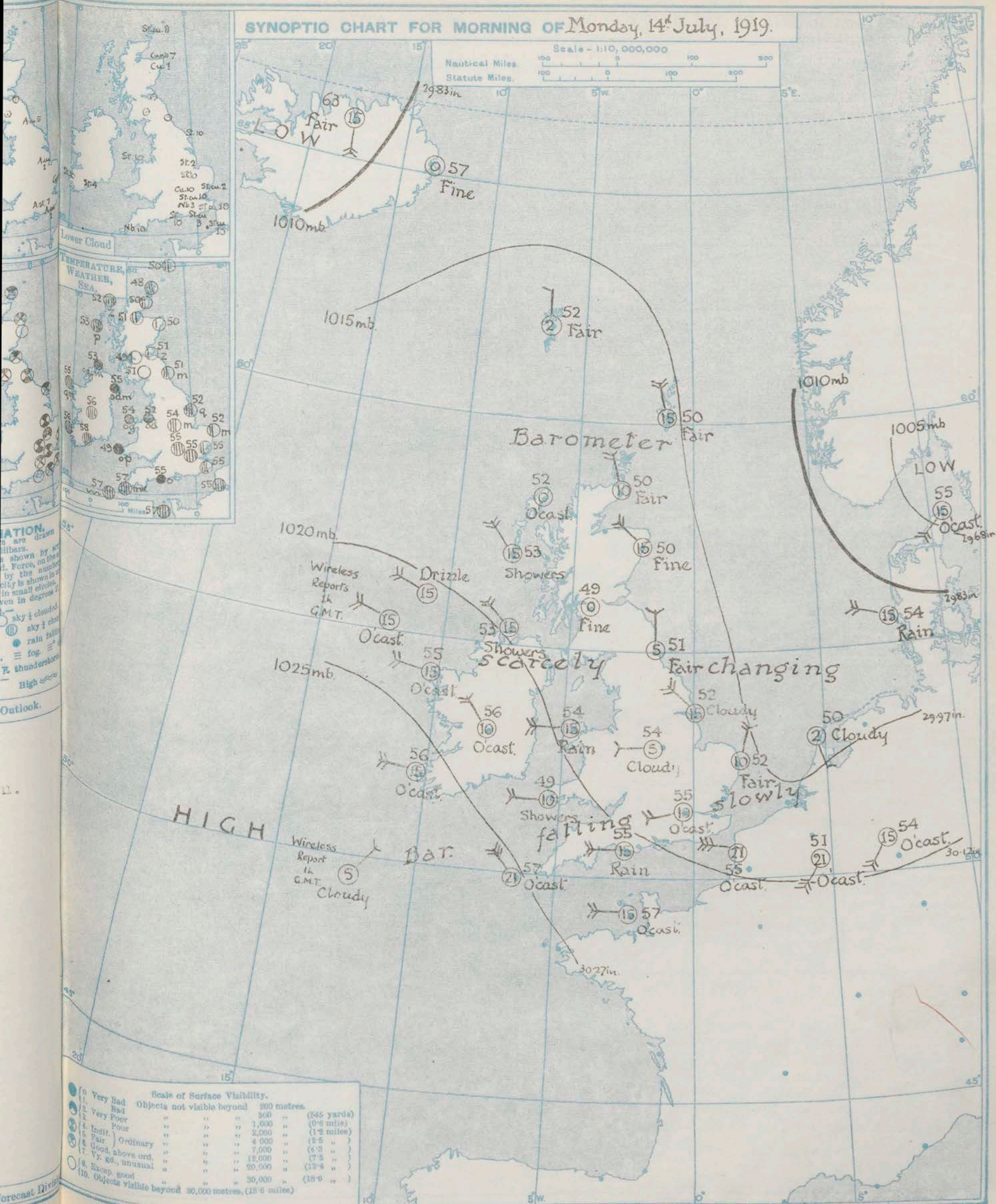
Districts.	Forecasts for the 24 hours commencing 3 p.m. Monday, 14th July, 1919	Farther Outlook.
1. S.E. England	Moderate W. or NW. breezes.	Uncertain.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales		
7. North Wales		
8. N.W. England		
9. N. Midlands		
10. N.E. England		
11. E. Scotland	Changeable, showery. Cool.	Uncertain.
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		



SYNOPTIC CHART FOR MORNING OF Monday, 14<sup>th</sup> July, 1919.

Scale - 1:10,000,000

Nautical Miles  
Statute Miles



#### Scale of Surface Visibility.

Objects not visible beyond 200 metres.

"	"	"	500	"	(545 yards)
"	"	"	1,000	"	(1,086 miles)
"	"	"	2,000	"	(1.7 miles)
uary	"	"	4,000	"	(2.5 "
ord,	"	"	7,000	"	(4.3 "
ual,	"	"	15,000	"	(7.5 "
"	"	"	20,000	"	(12.4 "
"	"	"	30,000	"	(18.6 "
ile beyond	30,000 metres,	(18.6 miles)			

Forecast Division



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 195 B

MONDAY  
14<sup>th</sup> July 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 13 <sup>th</sup> July.																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-12h.	Day. 9h-12h.	to 12h. 13"	Sunrise to Sun- set. 12"			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-12h.	Day. 9h-12h.	to 12h. 13"	Sunrise to Sun- set. 12"
Scotland.	Oban ... ..									England, N.W.	Douglas (L.O.M.)								
	Banff ... ..	bc	bc	57	42	-	-	6.5	5.8		Blackpool ... ..								
	Montrose ... ..										Southport ... ..								
	St. Andrews ... ..																		
England, N.E.	Harrogate ... ..	bcop	bc	59	43	0.2	1	8.6	3.4	Midlands.	Buxton ... ..								
	Skegness ... ..										Leamington Spa... ..	-	-	63	48	-	-	7.5	4.8
											Malvern ... ..								
											Ross-on-Wye ... ..	bcy	bcy,q	67	44	-	-	10.1	5.2
England, E.	Felixstowe ... ..	bc	bc	60	49	2	1	4.0	0.7	Wales.	Rhyl ... ..	bc	bcc	61	52	-	-	7.1	-
	Walton-on-Naze... ..										Colwyn Bay ... ..			61	52	-	-	5.9	-
	Southend-on-Sea... ..	cpm	cpb	64	49	1	0.2	5.1	0.2		Llandudno ... ..	bc	c	62	51	-	-	5.8	-
											Aberystwyth ... ..								
England, S.E.	Margate ... ..									England, S.W.	Weymouth ... ..								
	Ramsgate ... ..	bc	bc	62	51	6	-	4.9	0.4		Teignmouth ... ..								
	Folkestone ... ..			63	49	1	-	3.5	0.1		Torquay ... ..	b	b	65	50	-	-	12.0	-
	Hastings ... ..	obcb	bc	64	46	-	-	4.8	1.0		Paignton ... ..								
	Eastbourne... ..	bc	bc	65	47	-	-	6.1	1.7		Penzance ... ..	bc	bbc	65	52	-	-	11.6	-
	Brighton ... ..			67	47	-	-	8.7	-		Newquay ... ..	b	b	61	54	-	-	11.5	-
	Worthing ... ..	bc	bc	67	47	-	-	8.2	1.7		Bude ... ..								
	Littlehampton ... ..	b	bc	66	45	-	-	9.8	2.1		Ilfracombe ... ..								
	Bournemouth ... ..			66	45	1	-	11.5	2.0		Weston-s-Mare ... ..								

SUMMARIES FOR PAST 24 HOURS.													
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		BEAUFORT NOTATION.			
		7h-13h.	13h-18h.	18h-12h.	12h-7h.	Max. °F.	Min. °F.	Min. on Grass. °F.	Sun. Hours.	THE BEAUFORT SCALE OF WIND FORCE.			
		7h-13h.	13h-18h.	18h-12h.	12h-7h.	Max. °F.	Min. °F.	Min. on Grass. °F.	Sun. Hours.				
†Houton Bay (Orkney)...		cqz	cqz	bccq	b.bccq	57	42	*	*	<b>BEAUFORT NOTATION.</b> 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. i 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.			
Eskdalemuir		bcopq	cpc	bcb	b	59	39	29	7.7				
†Stranraer		pd, q	cq, q										
†Lough Foyle		pq	pq										
Valencia (Cahirciveen)		bc		or. o.		59	53	2	9.1				
†Anglesey (Llangefni)		bccq	o, q	bcc	z, d	62	47	*	*				
Falmouth		bcy	bq, bc	cov	o	64	52	45	14.2				
†Calshot (Hants)		bcc	bcc	bcc	c.o.	67	46	*	*				
†Capel (Folkestone)		o, p, d	p, v	c.o, v	c.o, v	63	46	*	*				
Aberdeen		opcu	c, p, c	b, c, b		59	38	35	4.5				
†East Fortune		c.o, v	p, v	bcc	b, z	60	38	*	*				
†Flamborough Head		bccp	c, r	c, p, d	b, c	56	47	*	*				
†Felixstowe		bccp	p, r, r	c, p, i	o, v, i	59	50	*	*				
†Cranwell (Lincs)		c, o	c, p, i	c.o, c	o, b, c	60	45	*	*				
†Bedford		bccq	bcq	om		65	49	*	*				
Benson		bc	bc	od		64	50	47	0.1				
London (Kew Obs.)		oc	bcc	o, c, o		65	51	44	5.1				

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	Humidity %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.					
	24 HOURS ENDED 9h G.M.T. 14 <sup>th</sup> .....								YESTERDAY.			TO-DAY.			
Greenwich (Royal Observatory)	c	c	c.o	68	53	43	-	5.8	52	75	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Stations.	Sunrise.	Noon.	Sunset.
City (Bushill Row) ... ..	*	*	*	*	*	*	*	5.3	*	*		G.M.T.	G.M.T.	G.M.T.	
Westminster (St. James's Park)	*	*	*	65	54	47	-	5.9	52	88					
.. (Admiralty Arch)	cm. bc.	bc	bc, cf, c.	67	54	*	-	6.0	51	74		Yarmouth...	3.47	11.59	8.10
Camden Sq. (British Rainfall)	-	-	*	68	52	45	-	7.0	-	69		Greenwich	3.48	11.59	8.9
Kensington Palace ... ..	c	c	*	66	52	45	0.1	*	*	76	Total 1385 .....	Joules.			
											Milliwatts.				
											Average Rate.	23.7			
											Maximum Rate.	87			
												Wick ...	4.0	12.6	8.10
												Valencia ...	4.2	12.6	9.6
													5.29	12.18	9.4
													5.31	12.18	8.38
													4.38	12.47	9.54
													4.39	12.47	

## NOTES ON THE WEATHER OF YESTERDAY.

Sunshine records were for the most part good, especially in the south-west, Scilly and Falmouth both recording more than 14 hours. At Yarmouth there was a thunder-storm, and the rainfall amounted to 19 mm.; at most other stations the fall varied between 1 and 5 mm, and at a few stations

there was none. The highest temperature recorded was 67°, which occurred in several parts of Southern England.





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

No. 21054 B TUESDAY, 15<sup>TH</sup> JULY, 1919.

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

STATIONS.	13H. G.M.T. OF 14 <sup>TH</sup>														18H. G.M.T. OF 14 <sup>TH</sup>													
	Barom. at M.S.L. m.b.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather	Temp. °F.	Humidity %	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Amt. 0-10.	Upper Cloud Form.	Amt. 0-10.	Sea 0-9.	Barom. at M.S.L. m.b.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather	Temp. °F.	Humidity %	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Amt. 0-10.	Upper Cloud Form.	Amt. 0-10.	Sea 0-9.
Houton B. (Orkney)	1017.3	+1	NW	6	c	52	82	6	4-5000	Cu	7	-	-	4	1017.9	+1	N	5	bc	50	87	6	4-5000	Cu	3	-	-	4
Eskdalemuir	1017.0	-1	WNW	2	b, y	63	45	8	-	Cu	2	-	-	*	1015.9	-1	WNW	4	bc	58	65	7	-	Cu	6	-	-	*
Stranraer	1019.3	+1	NW	3	o	57	87	8	1-1500	St	7	A. Cu	1	*	1018.9	-1	NW	5	d.	54	92	5	>500	Nb	10	-	-	*
Lough Foyle	1022.0	+1	WNW	5	o	58	98	4	1-1000	St	10	-	-	3	1022.0	0	NW	6	o	53	98	4	1-1000	St	10	-	-	4
Valencia (Cahire'n)	1027.8	0	NW	4	c	59	82	8	1 1/2-2000	Cu	6	A. St	2	3	1027.9	0	NW	4	c	57	82	8	1 1/2-2000	Cu	5	A. Cu	3	3
Anglesey (Llangefni)	1019.9	+1	NW	4	d.	58	87	6	1-1000	St	10	-	-	3	1019.9	-1	WNW	4	o	56	87	6	1-1000	St	10	-	-	4
Plymouth	1023.6	0	NW	6	og	62	75	7	-	CuNb	9	-	-	*	1023.1	0	NW	6	og	60	82	5	-	St	9	-	-	*
Calshot (Hants)	1019.6	-1	SW	3	o	61	87	8	1-1500	St	10	-	-	4	1017.7	-2	NW	4	o	69	75	7	2-3000	St	10	-	-	5
Capel (Folkestone)	1018.7	0	W	4	r.	57	82	6	2-3000	St	2	A. St	8	4	1017.1	-2	WNW	2	c	60	75	7	4-5000	StCu	5	A. St	2	3
Aberdeen	1016.7	-1	WNW	4	b, y	60	45	8	-	Cu	4	-	-	3	1016.9	0	WNW	4	b, y	57	45	8	-	StCu	1	-	-	3
East Fortune	1016.9	-2	W	3	b	64	45	6	4-5000	Cu	1	-	-	*	1016.6	+1	ENE	4	c	56	65	7	5-7000	StCu	7	-	-	*
Farnborough Head	1017.3	0	WNW	2	of	54	65	0	-	-	-	-	-	*	1017.3	-1	N	2	b	53	65	8	-	-	-	-	*	
Felixstowe	1017.4	-1	WNW	3	c	62	65	7	3-4000	CuNb	5	A. Cu	3	3	1017.4	0	ENE	3	c	56	75	7	1 1/2-2000	St	3	Ci St	4	3
Cranwell (Lincs)	1017.1	-1	N	3	bc	62	55	6	3-4000	St	3	A. Cu	2	*	1017.0	0	SE	3	? c	56	75	6	4-5000	St	5	Ci Cu	3	*
Bedford	1018.7	0	N	2	om	55	98	3	2-3000	St	10	-	-	*	1016.9	-1	ENE	2	o	61	75	2	4-5000	St	10	-	-	*
Benson	1017.8	-1	W	3	r.	59	92	3	-	*	*	*	*	*	1017.1	-1	NW	3	bc	63	65	5	-	Cu	5	-	-	*
London (Kew Obs.)	1018.3	-2	WSW	2	or.	59	87	6	-	StCu	6	A. St	3	*	1016.7	-3	WNW	1	bc3	64	65	6	-	Cu	3	A. Cu	3	*
1H. G.M.T. OF 15 <sup>TH</sup>														7H. G.M.T. OF 15 <sup>TH</sup>														
Houton B. (Orkney)	1019.2	0	N	4	bc	43	98	7	1 1/2-2000	St	5	-	-	3	1019.2	0	NW	1	bc	48	92	7	5-7000	StCu	2	Ci	3	2
Eskdalemuir	1018.6	0	-	0	b.	39	92	7	-	-	-	-	-	*	1019.2	+2	-	0	b	53	75	7	-	Cu	2	Ci	1	*
Stranraer	1018.9	0	NW	5	bc	53	92	-	3-4000	Cu	4	-	-	*	1020.0	+1	WNW	2	z	54	87	6	1 1/2-2000	St	10	-	-	*
Lough Foyle	1026.9	-2	WNW	3	bcm	54	*	*	*	*	*	*	*	4	1021.7	+1	W	3	o	52	98	5	1-1500	St	10	-	-	3
Valencia (Cahire'n)	1026.9	-2	WNW	3	bcm	54	*	*	*	*	*	*	*	4	1025.4	-1	W	1	odm	57	98	2	<500	St	10	-	-	3
Anglesey (Llangefni)	1019.6	0	N	4	o	53	92	-	1-1000	St	10	-	-	4	1026.2	+1	NNE	3	?	?	75	6	1-1500	St	10	-	-	4
Plymouth	1022.2	-2	NW	6	og	57	87	7	-	CuNb	7	-	-	*	1021.8	+2	WNW	6	bc	59	75	5	-	-	acu	4	*	
Calshot (Hants)	1018.6	0	NW	3	o	60	87	6	1-1500	St	10	-	-	4	1016.9	-1	WNW	3	o	58	92	7	1 1/2-2000	St	10	-	-	4
Capel (Folkestone)	1016.2	-3	E	1	v	53	92	8	-	St	10	-	-	2	1014.7	0	N	1	T.	51	92	4	1-1500	Nb	10	-	-	2
Aberdeen	1017.4	+2	WNW	4	c	46	87	6	1-1500	Cu	7	-	-	*	1019.3	+3	NW	5	b	52	65	8	-	St	3	-	-	2
East Fortune	1018.0	+1	-	0	b.	43	92	2	-	-	-	-	-	*	1019.7	+2	ESE	1	b	53	87	5	3-4000	StCu	2	-	-	*
Farnborough Head	1015.9	-2	SSW	1	r.	49	98	-	-	Nb	10	-	-	4	1015.2	+2	WNW	6	o	50	92	6	1-1500	St	10	-	-	*
Felixstowe	1015.9	-2	SSW	1	r.	49	98	-	-	Nb	10	-	-	4	1014.7	0	W	2	c	52	82	7	5-7000	StCu	5	acu	4	3
Cranwell (Lincs)	1015.7	-1	WNW	1	o	51	92	5	2-3000	St	10	-	-	*	1016.3	+2	WNW	3	c	50	82	5	3-4000	St	5	Ci Cu	3	*
Bedford	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1016.2	+2	N	3	om	53	75	5	5-7000	StCu	10	-	-	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1015.8	+2	WNW	3	c	56	82	4	-	Cu	8	-	-	*
London (Kew Obs.)	1016.2	-1	WSW	1	c	55	*	*	*	*	*	*	*	*	1015.4	+2	N	4	o	56	75	5	-	StCu	7	acu	3	*
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																												
STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Change in 3 hours.	Temperature. Temp. °F.	Change in 24 hours.	Wind. Direc.	Force 0-12.	Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	Sunshine Hours.							
	18H. G.M.T. OF 14 <sup>TH</sup>					7H. G.M.T. OF 15 <sup>TH</sup>					24 HOURS ENDED 7H. 15 <sup>TH</sup>											15 <sup>TH</sup>						
Derby	1016.6	51	NNE	5	bcm	1017.9	+1	50	0	WNW	2	-	o	2	-	53	48	cm	bcm	om	*							
Barnsley	1019.3	56	NW	2	c	1019.9	0	54	+2	S	1	-	bc	1	1	59	50	bod	od.c	c.bc	0.7							
Castlebar (Barra Is)	1020.7	53	WNW	4	dm	1020.5	0	51	-2	SW	2	-	om	2	0.4	54	50	opdm	dm	dm om	0.0							
Glasgow	1016.6	61	W	3	c	1019.2	+1	55	+6	W	2	-	b	*	-	66	46	b3	b.bc.cu	bc.c.bw	13.1							
Black Head	1020.8	53	WNW	5	omgp	1021.2	0	52	-3	WNW	3	-	fe	3	1	55	50	omgp	omgp	fe	0.0							
Black Point	1025.2	57	WNW	2	cg3	1022.2	-1	56	+1	WSW	1	-	o	2	1	60	52	bc3	bc3	cm om	*							
Boche's Point	1025.0	61	NW	4	c	1024.3	0	56	-2	NW	4	-	o	3	-	64	54	o.c.o	o.c	c.o	*							
Port Castle	1023.6	62	NW	3	c	1023.8	*	54	-2	NW	2	-	o	*	-	66	48	o	o.c	o	2.9							
Portloughadee	1019.4	57	NW	3	cg	1026.4	+1	54	-1	NW	3	NW	bcm	3	1	59	53	omd	cg	cm p.c	*							
Liverpool (Bidston)	1018.4	56	WNW	3	o	1018.9	+2	56	+2	WNW	2	-	b	2	4	60	54	ro.bc	bc.o	o.bc	4.9							
Widelyhead	1019.6	56	WNW	5	cg	1020.2	+2	55	+1	N	5	-	c	4	5	59	52	ogp	cg	c.op.op	0.1							
Woolbrook (St. Ann's Head)	1022.3	55	W	1	o	1022.4	+2	55	+1	WNW	3	NW	c	3	0.3	59	54	opo	o	o.c	0.1							
Woolly (St. Mary's)	1025.2	61	NW	4	bc	1023.6	-1	57	0	NW	5	NW	bc	5	-	64	54	om.c	c.bc	c.bc	6.8							
Worsey (St. Aubin)	1021.8	60	W	4	o	1018.3	-1	59	+2	NW	4	NW	c	3	0.3	61	56	o.bc.o	o.c.o	op.c	0.3							
Worland Bill	1019.3	60	WNW	5	c	1017.2	-2	57	+2	NW	5	NW	c	4	4.3	61	52	o.c.o	o.c	T.o.c	*							
Wyness	1016.4	59	SW	3	c	1013.6	0	54	-1	NNE	3	N	c	3	9	62												



# SUMMARY OF CONDITIONS AT 7 A.M. Tuesday, 15th July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NW. 5-15	R. Cool	Cloudy or dull, slight	Var.	Slight
2. E. England	W-N. 10-15	"	Cloudy or dull, local	Ord.	Moderate
3. E. Midlands	NNW N. 10-15	"	Cloudy or dull, local	"	"
4. W. Midlands	N. 5-15	Moderate	Variable sky	"	"
5. S.W. England	NW. 20-25	"	Fine to cloudy.	Good	Moderate
6. South Wales	NNW. 10	"	Cloudy	Ord.	Slight
7. North Wales	N. 15-20	"	Cloudy	"	Moderate
8. N.W. England	NNW. 5-10	"	Fine or fair.	"	Slight
9. N. Midlands	N. 10-20	R. cool	Variable sky	"	"
10. N.E. England	NW N. 25-40	"	Cloudy or dull, squally,	"	Rough
11. E. Scotland	NW. 0-10	"	Fine to cloudy, local mist.	Good	Slight
12. S.W. Scotland	W-NW. 0-10	Moderate	Variable sky, local haze.	"	"
13. Isle of Man	NW. 10	"	Variable sky.	Ord.	"
14. N. & N.W. Scotland	Var. 2-5	"	Fair.	Good	"
15. Hebrides	S-SW. 2-5	"	Fair to dull, mist in	Var.	Smooth
16. Orkneys and Shetlands	NW. 5	R. cool	Fair to dull, mist at	"	"
17. N.W. Ireland	W. 2-10	Moderate	Dull, misty.	Poor	"
18. N.E. Ireland	W-NW. 10-15	"	Fair to dull, local mist	Poor	Slight
19. S.E. Ireland	NW. 2-10	"	Dull.	Good	Mod.
20. S.W. Ireland	W-NW. 2-15	"	Dull, local drizzle & mist.	Var.	Slight

Upper Cloud

Visibility

**EXPLANATION.**  
 BAROMETER.—Inches are shown in full, tenths in small figures.  
 WIND.—Direction is shown by the arrow, force by the number of feathers. Mean velocity is shown per hour by figures in small circles.  
 TEMPERATURE.—Inches are shown in full, tenths in small figures.  
 WEATHER SYMBOLS.—  
 ☉ clear sky. ☁ sky & clouds. ☁ overcast sky. \* snow. ▲ hail. T thunder. F thunder.  
 SEA DISTURBANCE.—Rough. High.

GENERAL INFERENCE from observations received up to 10 A.M.

Small secondary depressions will continue to cross the British Isles and will maintain cool and showery weather.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 15th July, 1919
1. S.E. England	Moderate or fresh NW. or N. breeze. Changeable, showery. Cool.
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	Light or moderate breezes, mainly from between W. and N. Changeable, showery. Moderate temperature.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scot- land	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

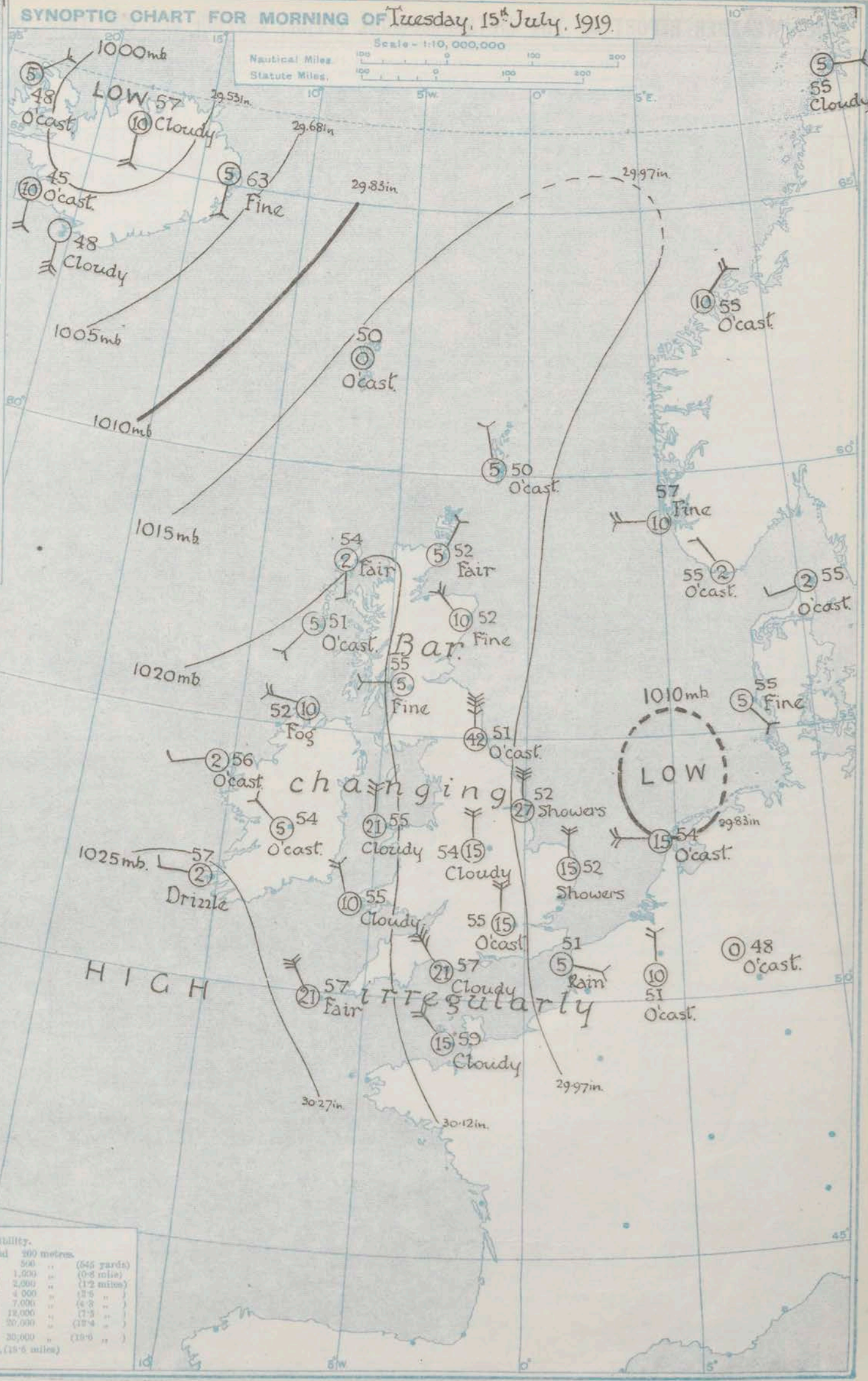
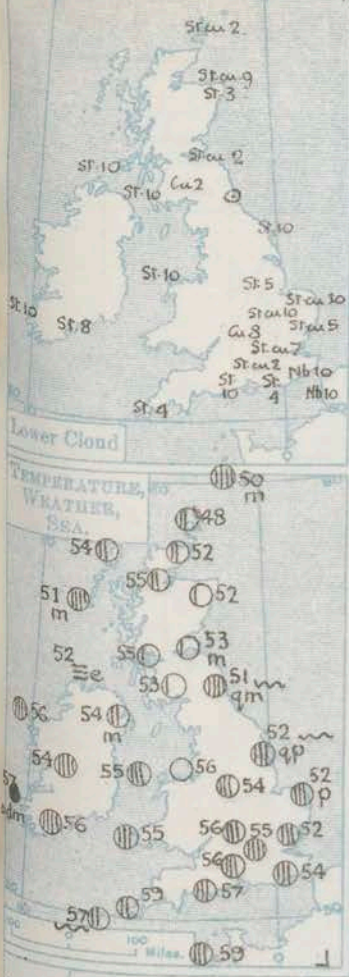


# SYNOPTIC CHART FOR MORNING OF Tuesday, 15<sup>th</sup> July, 1919.

Nautical Miles  
Statute Miles.

Scale - 1:10,000,000

100 0 100 200 100 0 100 200



## Scale of Surface Visibility.

0	Very bad	Objects not visible beyond 200 metres.	
1	Bad	" " " 500 "	(545 yards)
2	Very poor	" " " 1,000 "	(1,093 yards)
3	Poor	" " " 2,000 "	(2,187 yards)
4	Indist	" " " 4,000 "	(4,375 yards)
5	Fair	" " " 7,000 "	(7,656 yards)
6	Good, above ord.	" " " 12,000 "	(13,120 yards)
7	Vy. gd., unusual	" " " 20,000 "	(21,875 yards)
8	Except. good	" " " 30,000 "	(32,812 yards)
9	Objects visible beyond 30,000 metres.	(32,812 miles)	



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 196. B

TUESDAY,  
15<sup>th</sup> JULY

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 14 July...																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-19h. 13 <sup>th</sup>	Day, 9h-17h. 14 <sup>th</sup>	to 17h. 14 <sup>th</sup>	Sunrise to Sunset. 13 <sup>th</sup>			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-19h. 13 <sup>th</sup>	Day, 9h-17h. 14 <sup>th</sup>	to 17h. 14 <sup>th</sup>	Sunrise to Sunset. 13 <sup>th</sup>
Scotland.	Oban ... ..	b bc.o	o	60	47	-	-	7.3	?	England, N.W.	Douglas (I.O.M.)	*	*	60	49	2	-	2.6	?
	Banff ... ..	b	b	58	47	-	-	9.5	6.6		Blackpool ... ..	r.o	bc.c	61	52	1	-	7.5	?
	Montrose ... ..	*	*	64	55	-	-	11.6	?		Southport ... ..	o.c. bc.b	b	60	52	1	-	7.0	?
	St. Andrews ... ..	b	c	64	53	-	-	11.1	?										
England, N.E.	Harrogate ... ..									Midlands.	Buxton ... ..	r.c. bc.b	bc.b	67	46	0.1	-	6.4	?
	Skegness ... ..	c. b	c. b	57	47	3	-	9.5	?		Leamington Spa...	or. c. b	c. bc	63	51	1	2	1.3	5.0
											Malvern ... ..								
											Ross-on-Wye ... ..	ay. p	cy. op. c	69	53	-	0.3	1.7	5.2
England, E.	Felixstowe ... ..	b	bc	64	52	-	-	8.2	0.7	Wales.	Rhyl ... ..	p. c	c. bc	59	53	-	-	1.3	7.1
	Walton-on-Naze...										Colwyn Bay ... ..	*	*	59	54	?	-	0.7	5.9
	Southend-on-Sea...	c. or. m	c. bc	64	52	-	4	2.4	0.9		Llandudno ... ..	cp	c	60	53	2	0.3	1.8	5.8
											Aberystwyth ... ..	r. o	c. o	58	54	-	1	0.2	?
England, S.E.	Margate ... ..	bc. c	or	63	54	-	3	3.1	?	England, S.W.	Weymouth ... ..								
	Ramsgate ... ..	*	b. or	62	50	-	5	4.3	0.6		Teignmouth ... ..	c	c. bc	65	55	-	-	1.9	?
	Folkestone ... ..										Torquay ... ..	o	o. c. bc. op	66	54	-	0.1	2.8	14.8
	Hastings ... ..	bc. o	or. c	63	52	-	3	0.7	1.8		Paignton ... ..	o	bcq	66	53	-	-	1.8	?
	Eastbourne ... ..	o	or	60	53	0.3	0.6	0.7	6.3		Penzance ... ..	o. c. bc	bc. c	65	55	-	-	1.5	13.7
	Brighton ... ..	*	*	62	54	-	0.7	1.6	9.4		Newquay ... ..	o	o	61	55	-	-	0.0	14.0
	Worthing ... ..	o	c	64	53	-	5	1.5	9.7		Bude ... ..	o. b. o	o. ce	62	54	-	-	0.1	?
	Littlehampton ... ..	o	o	63	53	-	2	0.7	12.1		Ilfracombe ... ..	o	o. o	59	55	0.3	-	0.0	?
	Bournemouth ... ..	*	*	65	50	1	-	1.0	13.7		Weston-s-Mare ... ..	o. c	bc. c	66	54	trace	-	2.0	?

SUMMARIES FOR PAST 24 HOURS.										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. i 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.			
STATIONS.	WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.				Sun. Hours.	No.	Limits of Velocity.	
	7h-13h.14 <sup>th</sup>	13h-18h.14 <sup>th</sup>	18h.14 <sup>th</sup> -1h.15 <sup>th</sup>	1h-7h.15 <sup>th</sup>				Day. 7h-18h.	Night. 18h-7h.					Statute miles per hour.	Metres per second.
†Houton Bay (Orkney)...	bc.cq	b.bc	3.b.bc	2w	53	41	*	*	*	*	0	Less than 1	Less than 0.3		
Eskdalemuir ... ..	b.by	by.bcy	bc.ocp.b	bc	65	34	-	-	-	12.2	1	1-3	0.3-1.5		
†Stranraer ... ..	c.o	c.o	c.op.b	o2	60	49	*	*	*	*	2	4-7	1.6-3.3		
†Lough Foyle ... ..	d2	p.q	o	o	58	50	*	*	*	*	3	8-12	5.4-5.4		
Valencia (Cahiriveen) ...	o.c	cy	c.od.	od.	61	54	52	-	1	2.7	4	13-18	5.5-7.9		
†Anglesey (Llangefni) ...	pd.o	og	f.q	od.	59	48	*	*	*	*	5	19-24	8.0-10.7		
Falmouth ... ..	og.cq	cg.og	og.cq	cg.bcy	65	56	-	-	-	1.9	6	25-31	10.6-13.8		
†Calshot (Hants) ... ..	b.op	r	b.o	b.o	65	49	*	*	*	*	7	32-38	13.0-17.1		
†Capel (Folkestone)...	c.or	pd.c.o	pd.v	cp.	61	49	*	*	*	*	8	39-46	17.2-20.7		
Aberdeen ... ..	b.bcy	bc.bcy	b.bc	bc	61	45	40	-	-	15.7	9	47-54	20.8-24.4		
†East Fortune ... ..	b3	b.bc	b.c	bc	66	39	*	*	*	*	10	55-63	24.5-28.4		
†Framborough Head...	c.o.b	b	c.op	c.op	55	43	*	*	*	*	11	64-75	28.5-33.6		
†Felixstowe ... ..	b.bcy		c.og	c.op	63	49	*	*	*	*	12	Above 75	33.6 or above		
†Cranwell (Lincs) ...	b.bcy		c.op	b.o	65	50	*	*	*	*	Suffices 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.				
†Bedford ... ..	om.r	p.om	c	om.	65	50	*	*	*	*					
Benson ... ..	or	bc	c	c	64	53	46	1	-	*	SYMBOLS— Aurora ☄ Solar halo ☉ Rime ❄ Lunar halo ☾ Glazed frost ☁ Solar corona ☉ Glazed roads ☁ Lunar corona ☾				
London (Kew Obsy.) ...	o.or	o.r.c.bcy	bc2.o	bc2.o	64	53	44	2	-	1.2					

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.		15 <sup>th</sup> and 16 <sup>th</sup> JULY 1919.			
				24 HOURS ENDED 9h G.M.T. 15 <sup>th</sup> .....								YESTERDAY.	TO-DAY.	Stations.	Sunrise.
Greenwich (Royal Observatory)	or	or	o	63	52	44	2	1.3	88	64	Verical Component of Solar Radiation per Square Centimetre during yesterday.	Yarmouth ... { Greenwich { Wick ... { Valencia ... {	G.M.T. 3.48 4.2 4.3 4.40	G.M.T. 11.59 12.6 12.18 12.47	G.M.T. 8.9 8.8 8.10 8.54
City (Bill Hill Row) ...	*	*	*	*	*	*	*	1.0	*	*					
Westminster (St. James's Park)	*	*	*	64	52	48	2	1.6	94	69	Milliwatts.	8.9 8.8 8.10 8.54			
" (Admiralty Arch)	om.op	cp.bc	c.omy	66	54	*	2	1.8	88	61	8.9 8.54				
Camden Sq. (British Rainfall)	o.cp	c.bc	*	66	51	47	2	1.6	88	57		8.54			
Kensington Palace ...	c.bcy	c.bcy	*	67	50	44	1	*	88	62	8.54				

## NOTES ON THE WEATHER OF YESTERDAY.

There was little or no rain in Scotland, but at Dungeness there was a total of 9 mm, at Holyhead 5 mm, and 4 mm. at Liverpool and Clacton. Sunshine records were very good in Scotland, Glasgow recording 13 hours, Naism 14 hours, and

Aberdeen over 15 hours. The temperature again failed to reach 70° in all parts of the country.





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

No. 21055B ..... WEDNESDAY, 16<sup>th</sup> JULY, 1919.

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

STATIONS.	BAROM.	†	WIND.		Weather.	TEMP.	Humidity.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea	BAROM.	†	WIND.		TEMP.	Humidity.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea							
	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.		°F.	%		0-10.	Feet.	Form.	Amt. 0-10.		Form.	Amt. 0-10.	0-9.	at M.S.L.		Change in 3 hours.		Dir.	Force 0-12.	°F.	%		0-10.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.
	m.b.																m.b.															
13H. G.M.T. .... 15 <sup>th</sup>														18H. G.M.T. OF .... 15 <sup>th</sup>																		
†Houton B. (Orkney)	1018.6	0	WNW	3	C	55	87	5	1-1000	Cu	5	A. Cu	3	2	1018.1	-1	S	3	o	50	98	5	5-6000	St. Cu	10	-	-	2				
†Eskdalemuir ...	1018.9	0	SE	1	bc	60	55	6	-	Cu	1	-	-	*	1018.7	0	S	3	bc	60	55	6	-	Cu	1	A. Cu	3	*				
†Stranraer ...	1020.9	+1	NNW	4	bc	60	75	8	2-3000	St. Cu	5	-	-	*	1020.8	0	NNW	4	bc	61	75	8	2-3000	St. Cu	3	Ci. Cu	1	*				
†Lough Foyle ...	1022.1	+1	W	4	C	57	92	7	1-2000	?	?	?	?	2	1021.4	0	WSW	5	o	55	98	7	1-1500	St	2	A. St	7	2				
†Valencia (Cahire'n)	1025.0	0	W	2	om	58	92	5	> 500	St	10	-	-	3	1024.8	0	W	2	c	58	92	7	1-1500	St	2	A. St	2	3				
†Anglesey (Llangefni)	1021.4	+2	N	4	C	61	75	8	1-2000	St. Cu	7	-	-	4	1021.8	0	NNW	3	b	58	82	8	3-4000	Cu	1	A. St	2	4				
†Falmouth ...	1023.2	+2	N	4	b	65	55	8	-	Cu	2	-	-	*	1023.6	0	NNW	4	b	64	65	8	-	-	-	A. Cu	1	*				
†Calshot (Hants) ...	1017.4	0	NW	4	o	65	55	5	2-3000	St. Cu	9	-	-	3	1020.5	+3	N	2	b	65	55	7	-	-	-	-	-	3				
†Capel (Folkestone)	1015.9	+2	WSW	7	bc	56	75	7	4-5000	Nb	5	-	-	5	1018.3	+3	NNE	7	ov	55	75	8	-	St. Cu	10	-	-	5				
Aberdeen ...	1019.7	+1	E	3	bc	59	55	8	-	-	-	Ci	2	3	1018.8	-1	SSE	3	bc	54	65	7	-	St. Cu	6	-	-	3				
†East Fortune ...	1020.0	+1	ENE	2	b	61	65	8	-	-	-	Ci. St	2	*	1018.2	-4	NE	1	bc	61	75	6	3-4000	St	2	A. Cu	2	*				
†Flamborough Head	1018.2	+4	NNW	6	org	55	92	5	1-1000	St	10	-	-	*	1020.2	+3	N	3	bc	53	87	6	-	-	-	A. St	5	*				
†Felixstowe ...	1015.4	0	N	4	bc	55	82	6	3-4000	St. Cu	3	-	-	3	1019.0	+3	N	4	og	56	82	6	3-4000	St. Cu	10	-	-	4				
†Cranwell (Lincs)	1018.4	+2	NNW	5	o	59	75	6	2-3000	St	6	A. St	4	*	1020.4	+3	NNE	3	bc	57	75	7	3-4000	Fr. Cu	3	Ci	2	*				
†Bedford ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1020.0	+3	NNE	4	bc	60	65	3	5-7000	Fr. Cu	3	Ci	1	*				
Benson ...	1017.2	+1	N	4	C	64	55	5	-	-	-	-	-	*	1019.6	+3	NNE	3	b	63	55	6	-	-	-	-	-	*				
London (Kew Obs.)	1017.9	+2	N	4	C	59	55	7	-	St. Cu	7	-	-	*	1019.6	+2	N	4	b	62	55	7	-	Cu	2	-	-	*				
1H. G.M.T. OF .... 16 <sup>th</sup>														7H. G.M.T. OF .... 16 <sup>th</sup>																		
†Houton B. (Orkney)	1017.2	-1	WSW	5	o	52	98	4	1-1500	St	10	-	-	G	1017.0	0	W	4	o	50	92	6	3-4000	St. Cu	10	-	-	3				
†Eskdalemuir ...	1020.1	+4	WSW	2	o	56	82	6	-	St. Cu	10	-	-	*	1019.6	0	WSW	3	o	56	92	6	1-2000	St.	10	-	-	*				
†Stranraer ...	1021.0	-1	-	0	o	55	92	-	2-3000	St	10	-	-	*	1020.3	+1	NW	1	od	56	92	4	1-1500	Nb	10	-	-	*				
†Lough Foyle ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1024.3	0	WNW	1	o	56	92	7	1-1000	St	10	-	-	3				
†Valencia (Cahire'n)	1024.4	0	-	0	omd	56	*	*	*	*	*	*	*	0	1021.4	-1	SW	3	o	58	82	8	1-1000	St.	10	-	-	3				
†Anglesey (Llangefni)	1022.4	0	SW	1	o	54	98	-	4-5000	St. Cu	10	-	-	3	1024.3	0	WSW	2	c	57	98	5	-	St. Cu	9	-	-	*				
†Falmouth ...	1025.1	+1	NW	3	o	56	98	5	-	St	10	-	-	*	1023.6	0	-	0	b	58	82	3	-	-	-	-	-	1				
†Calshot (Hants) ...	1023.8	+3	-	0	b	54	75	6	-	-	-	-	-	-	1023.7	+1	S	2	z	55	82	5	-	-	-	-	-	3				
†Capel (Folkestone)	1022.7	+3	N	3	b	48	52	8	4-5000	St. Cu	1	A. St	3	3	1017.5	0	-	0	b	59	75	3	-	-	-	-	Ci. St	2	2			
Aberdeen ...	1017.9	0	S	2	bc	49	55	6	4-5000	St. Cu	6	-	-	*	1019.1	+1	WSW	4	o	58	82	5	1-2000	St. Cu	10	-	-	*				
†East Fortune ...	1018.7	0	SW	2	bc	57	87	-	7-9000	St. Cu	3	A. Cu	4	*	1020.8	0	WNW	2	b	54	82	4	-	-	-	-	Ci. St	3	3			
†Flamborough Head	1020.7	+1	SW	3	bc	47	98	6	4-5000	St. Cu	1	A. Cu	2	*	1021.2	-1	W	3	bc	58	87	4	4-5000	St.	2	Ci	3	*				
†Felixstowe ...	1022.6	+1	NNW	2	b	48	98	-	-	-	-	Ci. St	2	3	1022.5	0	W	2	b	56	82	7	-	-	-	-	A. Cu	3	*			
†Cranwell (Lincs)	1022.0	0	SW	1	bc	46	92	5	2-3000	St	2	A. St	3	*	1021.8	-1	-	0	b	56	75	4	-	-	-	-	Ci. St	1	*			
†Bedford ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1023.3	0	SW	1	hm	54	82	4	-	St. Cu	1	A. Cu	2	*				
Benson ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
London ...	1023.2	+1	-	0	b	52	*	*	*	*	*	*	*	*	...	...	...	...	...	...	...	...	...	...	...	...	...	...				

STATIONS CONTRIBUTING REPORTS AT 7h AND 18h.

STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall in.	TEMP.		WEATHER.			Sunshine Hours.	
	at M.S.L.		Force 0-12.	at M.S.L.		Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.	Max. °F.					Min. °F.	Morning.	Afternoon.	Night.			
	m b.	°F.	Dir.	Force 0-12.	m b.	°F.	Dir.	Force 0-12.	mm.	°F.	°F.											
18h. G.M.T. of 15th					7h. G.M.T. of 16th					24 HOURS ENDED 7h. 16th												15th
Lerwick	1017.3	53	WSW	2	om	1015.4	0	52	+2	SSW	2	-	o	1	1	56	47	bc. m	om	of	*	
Stornoway	1017.4	58	S	3	o	1016.5	-1	53	-1	SW	3	-	od	2	1	59	51	bc. o	c. o	of	2.2	
Castlebay (Barra's)	1019.4	54	SSW	4	of	1018.3	0	54	+3	SW	4	-	o	3	-	57	51	om. f. bc	om. of	of. o.	0.5	
Glasgow	1019.5	63	W	3	c	1019.5	0	54	-1	W	2	-	o	*	Trace	72	53	bz	b. bc. c	com. d.	13.3	
Malin Head	1020.8	56	WSW	3	c	1020.2	0	52	0	W	3	-	og	3	0.2	59	51	bc. m	bc	om	5.3	
Blacksod Point	1021.5	58	SSW	2	of	1021.1	0	55	-1	WSW	2	-	og	2	0.3	62	53	bc. v	of	of em.	*	
Roche's Point	1023.9	65	NW	1	b	1023.5	0	59	+3	NW	2	-	o	1	Trace	66	56	o	o. bc. b	o	*	
Birr Castle	1023.0	63	W	1	c	1022.5	*	55	-1	W	1	-	o	*	-	70	52	c	c	c. o.	6.3	
Donaghadee	1021.0	59	ENE	1	cg. v	1020.2	+1	55	+1	N	1	-	og. m	1	-	61	51	cg. m. bc	bc. g	cg. od.	*	
Liverpool (Bidston)	1021.1	59	WNW	3	b	1021.1	-1	59	+3	W	1	NW	c	1	-	61	54	c. bc	b	b. bc. c	13.8	
Holyhead	1021.8	62	WSW	2	bz	1021.4	-1	56	+1	SW	4	-	ofe.	2	Trace	62	53	c. bc	bc. b	c. ofe.	7.5	
Pembroke (St. Ann's Head)	1023.8	60	NNW	1	bv	1023.0	-1	56	+1	SW	1	W	c	1	0.1	64	54	c. bc	bv	bc. ofe. c.	11.3	
Scilly (St. Mary's)	1024.9	62	NW	2	b	1025.3	0	57	0	WSW	1	W	c	3	-	65	55	bc	bc. b	bc. c.	9.5	
Jersey (St. Aubin)	1021.4	63	NW	5	b	1024.3	+1	58	-1	WNW	3	-	b	3	-	65	52	c. b	b	bc. c.	9.3	
Portland Bill	1019.9	63	NW	3	b	1023.1	0	61	+4	NW	1	-	b	2	-	67	54	c. bc	bc. b	b	*	
Dungeness	1017.1	60	N	5	bc. g	1023.7	+1	57	+3	N	2	-	b	1	-	62	45	cp. bc. g	cp. g	c. cb.	*	
Wick	1017.6	52	S	2	o	1017.9	*	53	+1	WNW	2	-	om	1	-	55	48	bc	bc. o	o. bc. om	*	
Nairn	1016.8	58	-	0	c	1017.0	*	56	+1	-	0	-	cg	1	-	74	54	bc. v	v. bc. c	cg	9.7	
Leith	1018.2	57	NW	2	c	1018.2	0	58	+5	W	2	-	o	2	-	64	53	bm. bc.	b	cu. cg. o	*	
Tynemouth	1019.5	58	ESE	1	b	1018.8	-1	60	+9	WNW	3	-	om	2	-	60	49	cg	bc	bc. m	*	
Spurn Head	1020.6	56	N	5	cg	1020.5	0	56	+4	WNW	3	-	bc. m	3	0.2	58	49	cg	cg	bc. m	3.4	
Yarmouth (Nor. station)	1017.0	56	NNE	6	bc	1021.1	0	47	-5	WNW	2	-	b	2	2	59	43	cp. bc. g	bc. g	bc. g. bm	4.6	
Clacton-on-Sea	1018.6	56	NW	3	o	1022.4	0	53	+1	W	1	NW	bc. v	1	1	59	44	cp	cp. c. ov	o. c. bc. v	1.5	
Nottingham	1020.3	61	ENE	2	b	1021.2	*	58	+4	WSW	2	W	om	*	-	65	47	c. bc	bc. b	bm	9.6	



# SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 16th July, 1919

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

GENERAL INFERENCE from observations received up to 10 A.M.

Slight secondary disturbances are likely to form over the British Isles, which will cause local showers.

**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.**—Isotherms are drawn at intervals of one degree.  
**WEATHER SYMBOLS.**  
 ○ clear sky.    ⊙ sky & cloud.  
 ⊖ overcast sky.    ⊕ sky & rain.  
 \* snow.    Δ hail.    = fog.    ≡ thunder.  
**SEA DISTURBANCE.**—  
 Rough    High

Districts.      Forecasts for the 24 hours commencing 3 p.m.      Wednesday, 16th July, 1919

Farther Outlook.

The weather will probably remain rather unsettled during the next two days.

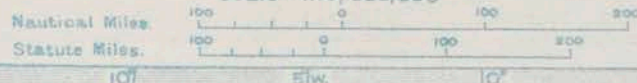
Light breezes, mainly from SW. and W.  
 Fair or cloudy, some showers.  
 Moderate temperature.



# SYNOPTIC CHART FOR MORNING OF Wednesday, 16<sup>th</sup> July, 1919.

Nautical Miles  
Statute Miles.

Scale - 1:10,000,000



## Scale of Surface Visibility.

Symbol	Very Bad	Bad	Objects not visible beyond	200 metres
1	Very Bad	Bad	500	(540 yards)
2	Very Poor	Poor	1,000	(1,080 yards)
3	Poor	Ordinary	2,000	(2,160 yards)
4	Indif.	Good, above ord.	4,000	(4,320 yards)
5	Fair	Vy. gd., unusual	7,000	(7,560 yards)
6	Good, above ord.	Excep. good	12,000	(12,960 yards)
7	Vy. gd., unusual	Excep. good	20,000	(21,600 yards)
8	Excep. good	Objects visible beyond	30,000	(32,400 yards)
9	Objects visible beyond	30,000 metres, (32,400 yards)		



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 197. B

Wednesday  
16th July

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 15th July.																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 14h.	Day. 9h-17h. 15h.	to 17h. 15h.	Sunrise to Sunset. 14h.			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 14h.	Day. 9h-17h. 15h.	to 17h. 15h.	Sunrise to Sunset. 14h.
Scotland.	Oban ... ..	b. bc	o	58	52	-	-	7.5	7.4	England, N.W.	Douglas (I.O.M.)	*	*	64	51	-	-	10.2	2.6
	Banff ... ..	bc	bc	64	48	-	-	10.2	12.8		Blackpool ... ..	*	bc. b	63	53	-	-	12.0	7.9
	Montrose ... ..	*	*	64	41	-	-	10.5	13.7		Southport ... ..	b	b	62	53	-	-	12.0	7.0
	St. Andrews ... ..	b	c	65	37	-	-	11.4	12.5										
England, N.E.	Harrogate ... ..	b. bc. c	b	62	43	2	-	9.0	?	Midlands.	Buxton ... ..	bc. bc. v	bc. v	60	46	-	-	10.6	8.8
	Skegness ... ..										Leamington Spa ... ..	bc	bc	66	44	-	-	11.4	2.1
											Malvern ... ..	c. bc	bc. b	67	55	1	-	3.0	?
											Ross-on-Wye ... ..	bc	bc. by	71	53	0.3	-	10.0	1.7
England, E.	Felixstowe ... ..	o	bc	60	49	1	2	1.7	8.2	Wales.	Rhyl ... ..	bc	b	69	53	1	-	10.4	1.3
	Walton-on-Naze ... ..										Colwyn Bay ... ..	*	*	62	53	4	-	4.8	0.7
	Southend-on-Sea ... ..	c. oq	o. cv	62	52	0.1	-	4.9	2.9		Llandudno ... ..	c	bc	61	53	4	-	7.5	5.8
											Aberystwyth ... ..	no	b. bc	59	55	-	1	8.5	0.2
England, S.E.	Margate ... ..	c	cp. o	59	50	4	1	2.3	3.1	England, S.W.	Weymouth ... ..	o. f. o. c	bc	75	54	2	-	8.0	?
	Ramsgate ... ..	*	*	57	47	4	1	3.2	4.3		Teignmouth ... ..	c. bc	bc. b	69	56	trace	-	7.8	1.5
	Folkestone ... ..	*	*	60	53	2	-	4.5	?		Torquay ... ..	c. b	b	68	56	-	-	8.0	3.1
	Hastings ... ..	o. bc	b. bc	61	52	-	-	4.3	2.2		Paignton ... ..	c. bc.	bc. b.	64	57	-	-	7.5	
	Eastbourne ... ..	o	bc	65	52	0.2	-	5.9	1.1		Penzance ... ..	b. bc	b	67	57	-	-	11.5	3.4
	Brighton ... ..	*	*	67	54	1	-	7.9	2.5		Newquay ... ..	bq	b	61	57	-	-	11.3	0.4
	Worthing ... ..	c. bc	bc	64	54	2	-	10.2	1.6		Bude ... ..	o	b	62	56	-	-	4.2	0.1
	Littlehampton ... ..	b	b	70	54	2	-	10.4	1.4		Ilfracombe ... ..	o. c	c. bc. b	63	56	1	-	5.2	0.0
	Bournemouth ... ..	*	*	71	54	1	-	9.5	2.9		Weston-s-Mare ... ..	bc. b	b. bc	72	55	5	-	10.0	2.0

SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.			THE BEAUFORT SCALE OF WIND FORCE.		
STATIONS.		WEATHER.				Max. Temp. °F.		Min. Temp. °F.		Rainfall.		Sun. Hours.	No.	Limits of Velocity.	
		7h-18h 15h.	18h-18h 15h.	18h 15h-1h 15h.	1h-7h 15h.	°F.	°F.	°F.	°F.	Day. 7h-18h.	Night. 18h-7h.			Statute miles per hour.	Metres per second.
†Houton Bay (Orkney)...	c. o	cp	p. o	t. o.	57	41	*	*	*	*	*	*	0	Less than 1	Less than 0.3
Esksdalemuir ...	b. bz. by	by. bz. by	bc. by. bc. o	o	70	50	47	-	-	-	-	14.9	1	1-3	0.3-1.5
†Stranraer ...	bc	v. b. bc	c. o	om. p. d.	62	52	*	*	*	*	*	*	2	4-7	1.6-3.3
†Lough Foyle ...	z	c. ov			*	*	*	*	*	*	*	*	3	8-12	3.4-5.4
Valencia (Cahirciveen) ...	odm	o. bc. c	odm. o.		62	55	54	Trace	1	2.3			4	13-18	5.5-7.9
†Anglesey (Llangefni) ...	c. o	bc. c. b. bc	bc. c	c. o.	63	51	*	*	*	*	*	*	5	19-24	8.0-10.7
Falmouth ...	bcq	by. bv	cw. o	a	66	55	46	-	-	-	-	14.6	6	25-31	10.8-13.8
†Calshot (Hants) ...	bc. c	bc. c	b. bc	b. bc	68	49	*	*	*	*	*	*	7	32-38	13.9-17.1
†Capel (Folkestone) ...	pd. v	v. c	c. ov	z. o	66	46	*	*	*	*	*	*	8	39-46	17.2-20.7
Aberdeen ...	by	bcq	c. of. bz		61	47	40	-	Trace	11.2			9	47-54	20.8-24.4
†East Fortune ...	v. b.	v. b. bc	bc. c	c. o. z.	66	41	*	*	*	*	*	*	10	55-63	24.5-28.4
†Flamborough Head ...	op. d.	c. oq	b. w		*	*	*	*	*	*	*	*	11	64-75	28.5-33.5
†Felixstowe ...	cp	q. p.	bc. c. b. bc	b. bc. z.	59	47	*	*	*	*	*	*	12	Above 75	83.6 or above
†Cranwell (Lines) ...	c. o	o. c	bc. c. b. bc	bc. b. bc.	60	45	*	*	*	*	*	*			
†Bedford ...		bc. c. q	z. w.		62	42	*	*	*	*	*	*			
Bepson ...	c	bc	b		65	40	35	-	-	-	-	*			
London (Kew Obsy.) ...	o	c. bc. by	b. b. m.		62	45	32	-	-	-	-	6.4			

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.				
	Morning.	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.		Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.	
	24 HOURS ENDED 9h G.M.T. 16 <sup>th</sup> July 1910.						YESTERDAY.		TO-DAY.							
	Vertical Component of Solar Radiation per Square Centimetre during yesterday.											16 <sup>th</sup> & 17 <sup>th</sup> July 1910.				
Greenwich (Royal Observatory)	o.	c.	b. b. w.	64	41	29	-	4.1	61	59	Total 1370 Joules.  Milliwatts. Average Rate. 23.6 Maximum Rate. 73	Yarmouth...	{	3.49 2.50	11.59 11.59	8.8 8.7
City (Bunhill Row) ...	*	*	*	*	*	*	*	3.6	*	*						
Westminster (St. James's Park)	*	*	*	65	45	42	-	3.6	71	72						
" (Admiralty Arch)	cmq.	c. bc	bc. bz.	64	48	*	-	4.0	58	63						
Camden Sq. (British Rainfall)	o. c.	c. bc.	*	64	44	42	-	3.8	56	62	Greenwich	{	4.3 4.4	12.6 12.6	8.6 9.2	
Kensington Palace ...	c	bc.	*	64	44	34	-	*	*	66						
											Valencia ...	{	4.40 4.41	12.47 12.47	8.53 8.52	

## NOTES ON THE WEATHER OF YESTERDAY.

The duration of bright sunshine exceeded ten hours at many stations, and amounted to 13 or 14 hours at Glasgow, Esksdalemuir and Falmouth. Rainfall amounted at most to about 2 mm, and over Scotland and the South of England generally there was none. The day

was somewhat warmer than of late, especially in Scotland, the temperature rising to between 70° and 75° locally. There was some fog on our western coasts.





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

No 21956B THURSDAY, 17<sup>TH</sup> JULY, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.																														
STATIONS.	BAROM.	†	WIND.		Weather.	TEMP.	%	VISIBILITY.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.	BAROM.	†	WIND.		Weather.	TEMP.	%	VISIBILITY.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.		
	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.		°F.	Humidity.	0-10.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.		0-9.	at M.S.L.	Change in 3 hours.	Dir.		Force 0-12.	°F.	Humidity.	0-10.	Feet.	Form.	Amt. 0-10.	Form.		Amt. 0-10.	0-9.
	m.b.															m.b.														
13H. G.M.T. 16 <sup>TH</sup>														18H. G.M.T. OF 16 <sup>TH</sup>																
Houton B. (Orkney)	1016.7	0	WSW	3	o	54	87	7	2-3000	St. Cu	9	-	-	1	1016.5	0	SSE	2	o	53	98	8	2-3000	St	9	-	-	2		
Eskdalemuir	1018.1	0	WSW	4	o	62	65	7	2-3000	St. Cu	9	A. Cu	1	*	1017.8	0	W	3	bc	58	65	7	-	-	A. Cu	6	*			
Stranraer	1019.8	0	N	1	o	60	75	8	2-3000	St	8	Ci. Cu	1	*	1019.0	-2	SSW	1	o	60	75	8	3-4000	St. Cu	6	Ci. Cu	1	*		
Lough Foyle	1019.0	-1	WSW	4	o	55	87	6	2-3000	St. Cu	9	-	-	2	1018.6	-1	WSW	5	o	56	87	6	2-3000	St. Cu	9	-	-	3		
Valencia (Cahire'n)	1022.5	-1	S	2	om.	58	92	6	<500	St	10	-	-	3	1021.1	-2	WSW	3	om.	59	98	5	<500	St	10	-	-	3		
Anglesey (Llangefni)	1020.8	-1	SW	2	om.	58	98	3	1-1000	St	10	-	-	3	1020.0	-1	SSW	1	o	60	87	7	1-1500	St	7	A. St	3	2		
Falmouth	1023.5	-1	SW	4	bc	66	75	6	-	St. Cu	6	-	-	*	1022.0	-2	WSW	3	bc3	64	82	3	-	St. Cu	4	Ci. Cu	2	*		
Calshot (Hants)	1022.6	0	SSW	3	o	71	55	6	3-4000	Cu	7	-	-	4	1021.2	-1	SW	4	b	63	75	8	7-9000	-	-	Ci	2	4		
Capel (Folkestone)	1023.2	0	SSW	4	v	60	75	8	-	-	-	A. St	1	4	1021.3	-2	SSW	3	v	59	82	8	-	-	Ci. St	4	4			
Aberdeen	1017.0	0	ENE	4	C	63	65	7	-	St. Cu	5	A. Cu	2	2	1016.1	-1	ENE	2	bc	55	87	7	-	-	A. Cu	4	2			
East Fortune	1017.3	-1	WSW	4	C	64	65	5	3-4000	St	3	A. Cu	4	*	1017.8	0	WNW	4	bc	61	65	4	4-5000	St	2	A. Cu	3	*		
Flamborough Head	1018.6	-1	SSE	1	o	65	75	6	4-5000	St	5	A. St	4	*	1017.4	-1	-	0	o	60	82	5	5-7000	St	4	A. Cu	5	*		
Felixstowe	1021.2	-1	S	3	b	66	65	5	-	Cu	2	R. Ci	1	2	1019.8	-1	S	3	bc	64	87	6	-	Cu	3	A. Cu	3	2		
Cranwell (Lines)	1019.7	-2	SSW	2	C	71	65	6	2-3000	St. Cu	4	Ci	4	*	1018.4	-2	WSW	1	o	69	65	6	4-5000	St	4	Ci	5	*		
Bedford	1020.4	-2	WSW	2	C	73	55	7	5-7000	Cu	5	A. Cu	2	*	1019.3	-2	W	2	om.	72	65	4	4-5000	St	10	-	-	*		
Benson	1020.2	-2	W	2	C	74	55	5	*	*	*	*	*	*	1019.6	-1	W	1	C	73	65	6	-	Cu	5	-	-	*		
London (Kew Ob.)	1021.1	-3	SW	3	bc	71	55	8	-	F. Cu	1	Ci	3	*	1019.6	-2	W	2	bc	74	55	7	-	Cu	4	Ci. Cu	2	*		
1H. G.M.T. OF 17 <sup>TH</sup>														7H. G.M.T. OF 17 <sup>TH</sup>																
Houton B. (Orkney)	1015.6	-4	S	1	o	51	92	5	3-4000	St. Cu	10	-	-	1	1014.0	-2	S	1	C	53	92	6	5-6000	Cu	4	A. St	4	1		
Eskdalemuir	1018.5	0	-	0	o	47	92	7	-	Cu	1	A. Cu	8	*	1016.8	0	SW	3	om	53	92	4	2-1000	St	10	-	0	*		
Stranraer	1018.0	-2	-	0	bc	51	98	-	3-4000	St	4	Ci. Cu	1	*	1017.1	0	-	0	o	52	97	6	1-1500	St	10	-	-	*		
Lough Foyle	1021.3	0	WNW	2	om	58	*	*	*	*	*	*	*	2	1016.7	-1	SW	4	o	55	92	6	2-3000	Cu	6	A. St	4	*		
Valencia (Cahire'n)	1021.3	0	WNW	2	om	58	*	*	*	*	*	*	*	2	1020.1	+1	WNW	2	o	54	97	6	<500	St	10	-	0	3		
Anglesey (Llangefni)	1019.6	-1	SSW	1	bc	54	98	-	-	-	-	A. St	4	3	1018.4	0	SW	3	d	58	97	4	1-1500	St	10	-	-	3		
Falmouth	1021.9	-2	SW	1	o	58	98	5	-	St	10	-	-	*	1020.8	-2	W	2	dm	61	97	5	-	Nb	9	-	-	*		
Calshot (Hants)	1021.8	0	SW	2	o	59	92	6	2-3000	St	6	A. St	4	4	1020.1	-1	SW	1	of	58	97	2	<500	St	10	-	-	2		
Capel (Folkestone)	1021.4	0	SSW	2	bc	53	98	5	5-7000	St	3	Ci	2	3	1020.7	0	SW	2	f	56	97	0	-	St	10	-	-	3		
Aberdeen	1016.1	0	-	0	bc	47	98	6	5-7000	St. Cu	3	A. Cu	3	*	1014.7	0	SW	2	b	60	55	7	-	o	-	-	-	2		
East Fortune	1017.0	-1	SW	3	b	53	82	2	4-5000	St	1	-	-	*	1016.0	-2	WSW	2	o	58	82	6	3-4000	St. Cu	9	-	-	*		
Flamborough Head	1020.1	0	W	1	o	61	87	5	3-4000	St. Cu	4	A. Cu	4	3	1017.8	0	-	0	z	60	65	4	5-7000	St	2	Nb	6	*		
Felixstowe	1020.1	0	W	1	o	61	87	5	3-4000	St. Cu	4	A. Cu	4	3	1019.1	+1	W	3	o	62	87	3	3-4000	St. Cu	8	A. Cu	7	3		
Cranwell (Lines)	1019.3	+1	WNW	2	o	60	87	5	2-3000	St	4	A. Cu	5	*	1018.7	0	W	2	C	60	82	5	4-5000	St	2	Ci	5	*		
Bedford	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1019.3	0	WSW	3	om	61	87	2	2-3000	St	10	-	-	*		
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1019.1	0	WSW	1	o	60	92	4	-	St. Cu	10	-	-	*		
London	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1019.8	+1	SW	2	o	62	87	5	-	St. Cu	4	A. St	6	*		
(M.O. at 1h)	1020.1	0	WNW	1	o	64	*	*	*	*	*	*	*	*	1019.8	+1	SW	2	o	62	87	5	-	St. Cu	4	A. St	6	*		
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																														
STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		DIREC. OF UPPER CLOUD.	Weather.	SEA.	RAINFALL.	TEMP.		WEATHER.			SUNSHINE.									
	at M.S.L.	°F.	Dir.	Force 0-12.		at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.										
	m.b.					m.b.																								
18H. G.M.T. OF 16 <sup>TH</sup>										7H. G.M.T. OF 17 <sup>TH</sup>										24 HOURS ENDED 7H. 17 <sup>TH</sup>										
Lerwick	1014.6	55	WSW	2	om	1012.0	-2	52	0	SSW	2	-	om	1	-	56	49	cmp	om	om	*									
Stornoway	1014.1	55	SW	4	op	1011.4	0	53	0	SW	3	-	o	2	Trace	58	56	odp	op	o	0.1									
Castlebay (Barra Is)	1015.8	55	SW	4	o	1013.6	-1	54	0	SW	4	-	o	4	-	58	53	o	o	o	0.0									
Glasgow	1018.0	57	W	3	o	1016.5	0	55	+1	WSW	3	-	o	*	-	62	52	o.c	c.o	o.c.o	3.5									
Malin Head	1017.4	58	SW	3	bc3	1015.5	-1	55	+3	SW	4	-	og	3	-	60	52	cg	bc3	og	3.1									
Blacksod Point	1018.0	58	SW	3	og3	1016.4	0	56	+1	SW	3	-	og	2	-	63	54	cg	c3	og.ogz	*									
Roche's Point	1021.1	63	SW	2	o	1019.8	-1	60	+1	WNW	1	-	o	1	-	64	58	o	o.c.o	c.o	*									
Birr Castle	1019.8	62	W	1	o	1018.9	*	56	+3	W	1	-	o	*	1	66	57	o.c	c.o	ope	3.4									
Donaghadee	1019.5	57	SSW	2	bc3	1017.1	0	56	+1	WNW	1	-	ogm	0	-	58	53	ogm.cm	cg.bc3	bcn.ogm	*									
Liverpool (Bidston)	1019.3	59	WNW	2	o	1018.0	-1	59	0	SSW	1	-	bc	1	0.2	62	55	c.o	o	op.c.bc	0.9									
Holyhead	1019.8	60	SW	2	og	1019.5	0	56	0	SW	2	-	f	0	0.1	63	53	ofe.c.o	fe.bc.c	bfe.p.c	1.0									
Pembroke (St. Ann's Head)	1021.6	57	SW	2	of	1020.0	0	57	+1	WSW	1	-	of	1	-	61	54	of	of	of	0.0									
Scilly (St. Mary's)	1023.2	60	WNW	2	C	1022.0	-1	57	0	WNW	2><																			



# SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 17th July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SW-W 5-15	Mod.	Dull, local drizzle, thick fog on coast	poor	slight
2. E. England	WSW-WNW 2-5	rather warm	Cloudy or dull; mist loc- ally	indiff.	smooth
3. E. Midlands	WSW 2-10	" "	Variable sky; local mist	poor	"
4. W. Midlands	SW-W 2-5	" "	Fair to dull	"	"
5. S.W. England	W 2-5	mod.	Dull; local drizzle, mist and fog	poor	smooth
6. South Wales	W 2	"	Dull; local fog	"	"
7. North Wales	SW 5-10	"	Dull; local drizzle & fog	"	"
8. N.W. England	SW 2-5	"	Fair to dull	ord.	v. smooth
9. N. Midlands	W 2-5	"	Fair to dull	"	"
10. N.E. England	SW-W 5-10	"	Fair or cloudy, local mist and fog.	poor	smooth
11. E. Scotland	SW-W 2-10	r. warm	Variable sky	good	smooth
12. S.W. Scotland	SW 0-10	mod.	Dull; local mist	ord.	calm
13. Isle of Man	SW-NW 2-5	"	Cloudy or dull; mist or fog	poor	calm
14. N. & N.W. Scot- land	SW 10	"	Fair to dull; local mist	indiff.	smooth
15. Hebrides	SW 10-15	"	Dull	ord.	slight
16. Orkneys and Shetlands	SSW 2-5	"	Cloudy or dull; mist at Shetlands	var.	smooth
17. N.W. Ireland	SW 10	"	Dull; gloomy	good	smooth
18. N.E. Ireland	SW-NW 2-15	"	Cloudy or dull; gloomy, local mist	ord.	smooth
19. S.E. Ireland	W 2	"	Dull	"	smooth
20. S.W. Ireland	WNW 2-5	"	Dull, light mist, locally	good	slight

Upper Cloud

Visibility

**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.**—Temperature is given in degrees F.  
**WEATHER SYMBOLS.**  
 ○ clear sky. ○ sky & clouds.  
 ⊙ sky & clouds. ⊙ sky & clouds.  
 ⊕ overcast sky. ⊕ rain falling.  
 \* snow. ▲ hail. ≡ fog. ≡ mist.  
 T thunder. R thunderstorm.  
**SEA DISTURBANCE.**—  
 Rough High

GENERAL INFERENCE from observations received up to 10 A.M.

With pressure continuing low over Iceland there will be a tendency for the formation of small secondary disturbances over the British Isles which will cause local showers.

Further Outlook.

Districts.	Forecasts for the 24 hours commencing 3 p.m.	Thursday, 17th July, 1919
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		Light SW or W breezes; fair or cloudy,
11. E. Scotland		
12. S.W. Scotland		
13. Isle of Man		local showers; some mist; rather warm.
14. N. & N.W. Scot- land		
15. Hebrides		
16. Orkneys and Shetlands		
17. N.W. Ireland		
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		

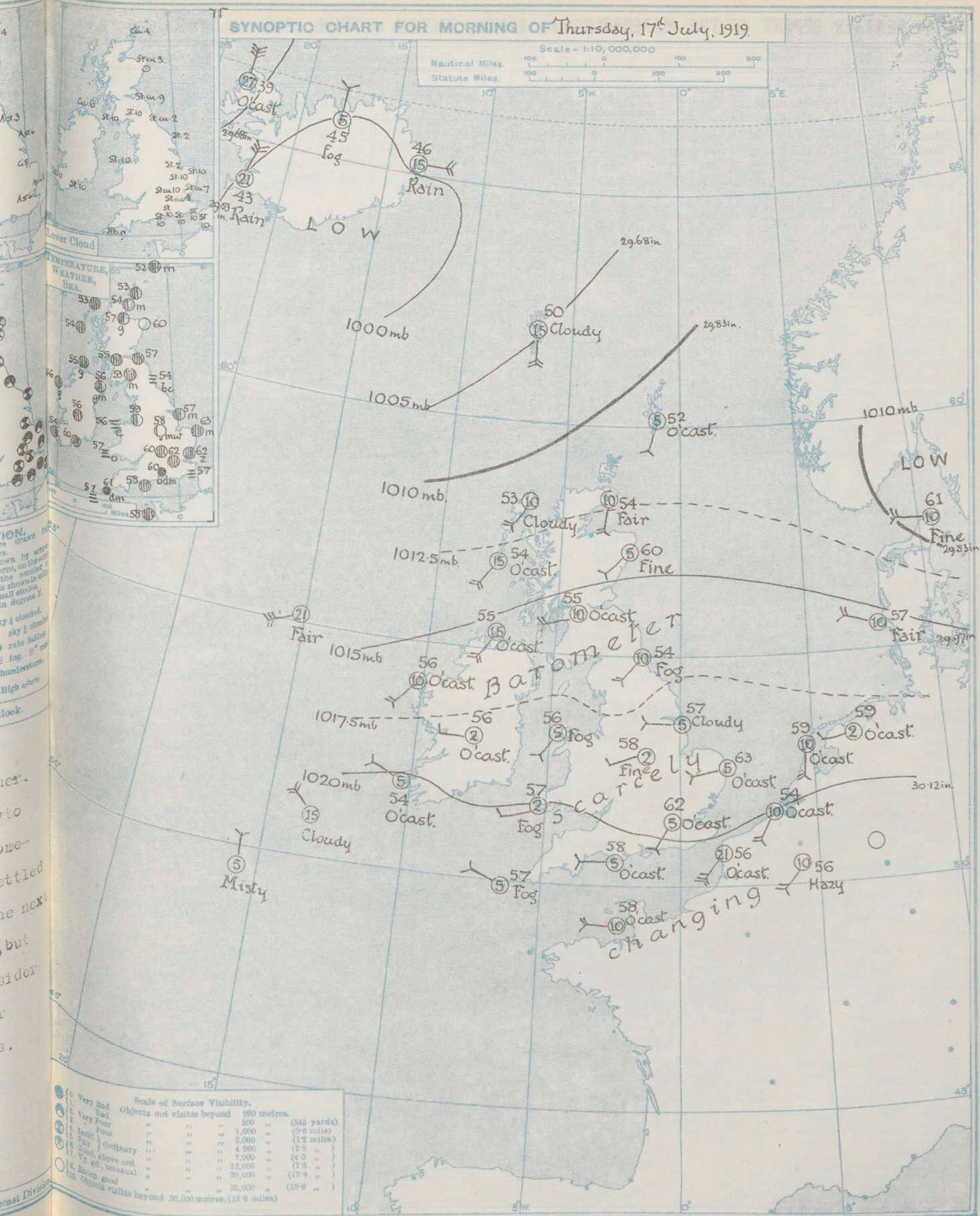
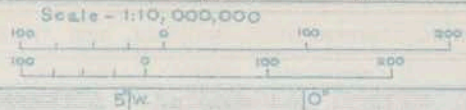
The weather is likely to remain somewhat unsettled during the next two days, but with considerable fair intervals.



SYNOPTIC CHART FOR MORNING OF Thursday, 17<sup>th</sup> July, 1919.

Scale - 1:10,000,000

Nautical Miles  
Statute Miles



Scale of Surface Visibility.				
1	Very Bad	Objects not visible beyond	500 metres.	
2	Bad			
3	Very Poor		800 "	(545 yards)
4	Poor		1,000 "	(660 miles)
5	Indist		2,000 "	(12 miles)
6	Fair		4,000 "	(25 " )
7	Good, above and		7,000 "	(43 " )
8	V. good, unusual		12,000 "	(7.5 " )
9	Keen		20,000 "	(12.5 " )
10	Keen good		30,000 "	(18.75 " )
11	Objects visible beyond	20,000 metres.		(18.75 miles)



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 198. B

THURSDAY

17<sup>th</sup> JULY

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 16<sup>th</sup> July

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h.	Day. 9h-17h.	to 17h. 10 <sup>h</sup> 15 <sup>h</sup>	Sunrise to Sunset 15 <sup>h</sup> 15 <sup>h</sup>		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h.	Day. 9h-17h.	to 17h. 10 <sup>h</sup> 15 <sup>h</sup>	Sunrise to Sunset 15 <sup>h</sup> 15 <sup>h</sup>
Scotland.									England, N.W.								
Oban ... ..	*	o	56	51	-	-	0.0	7.6	Douglas (I.O.M.)	*	*	63	54	-	-	0.1	10.2
Banff ... ..	bc.o	c	60	48	0.2	-	2.3	10.2	Blackpool ... ..	*	c.o	61	55	-	-	1.2	14.3
Montrose ... ..	*	*	72	60	-	-	9.3	11.4	Southport ... ..	c.o	op.o.c.o	61	55	-	-	1.5	14.5
St. Andrews ... ..	b	c	71	46	-	-	11.8	12.0									
England, N.E.									Midlands.								
Harrogate ... ..	c.bc	c.o	68	51	-	-	4.5	11.1	Buxton ... ..								
Skegness ... ..									Leamington Spa ... ..	bc	c	73	45	-	-	6.5	13.9
									Malvern ... ..								
									Ross-on-Wye ... ..	bc.o.c.o	o.3	73	45	-	-	3.9	12.5
England, E.									Wales.								
Felixstowe ... ..	bc	bc	69	45	-	-	11.4	1.8	Rhyl ... ..	bc	c	67	50	-	-	1.8	13.6
Walton-on-Naze ... ..									Colwyn Bay ... ..	*	*	68	54	-	-	2.5	8.0
Southend-on-Sea ... ..	c.bc.b.3	b.3	75	47	-	-	11.6	4.9	Llandudno ... ..	c	c	65	54	-	-	1.2	10.7
									Aberystwyth ... ..	o.c.b	c.o	64	58	-	-	2.5	11.2
England, S.E.									England, S.W.								
Margate ... ..	b	b	70	52	-	-	12.1	2.3	Weymouth ... ..	b.bc	bc	73	52	-	-	10.5	10.5
Ramsgate ... ..	*	b	66	48	-	-	12.2	3.2	Teignmouth ... ..	b	bc.c	72	54	-	-	7.0	10.4
Folkestone ... ..	*	*	62	47	-	-	12.7	4.5	Torquay ... ..	bc.b	b.bc.c.o	70	52	-	-	8.1	10.9
Hastings ... ..	b	b	63	47	-	-	12.7	4.3	Paignton ... ..	b.o.bc	bc.b	72	49	-	-	8.5	10.0
Eastbourne ... ..	bc	bc	65	43	-	-	12.5	6.8	Penzance ... ..	bc	c.o.e	68	56	-	-	4.3	13.5
Brighton ... ..	*	*	64	44	-	-	12.0	10.1	Newquay ... ..	c	c	65	55	-	-	1.9	13.7
Worthing ... ..	b	b	66	45	-	-	12.2	13.0	Bude ... ..	o	o	64	52	-	-	0.0	6.4
Littlehampton ... ..	b	b	72	45	-	-	11.2	12.9	Ilfracombe ... ..	c.o.m	o	64	55	-	-	0.3	7.6
Bournemouth ... ..	*	*	72	46	-	-	11.5	10.7	Weston-s-Mare ... ..	o.c.bc	bc.c	67	54	-	-	1.0	10.9

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	RAINFALL.		Sun. Hours.
	7h-18h 15 <sup>h</sup>	12h-18h 15 <sup>h</sup>	18h-9h 15 <sup>h</sup>	1h-7h 15 <sup>h</sup>				Day. 7h-18h	Night. 18h-7h	
†Houton Bay (Orkney) ...	c.o.v	b.o.3	cu	cg	57	50	*	*	*	*
Esksdalemuir ... ..	o	bc.c.bc	bc.c	c.o	65	45	3.8	-	-	3.5
†Stranraer ... ..	c	c.o	bc.c.0	0.2	62	44	*	*	*	*
†Lough Foyle ... ..	c.o	-	o	o	58	51	*	*	*	*
Valencia (Cahirciveen) ...	o.c.o	o	o.r.o		61	54	5.4	-	3	0.0
†Anglesey (Llangefni) ...	d.o.e	o.c	f.b.bc	c.o	62	52	*	*	*	*
Falmouth ... ..	o.c	c.bc.3	o	of	69	57	57	-	-	3.6
†Calshot (Hants) ... ..	b	bc.c	c.o	of	64	56	*	*	*	*
†Capel (Folkestone) ... ..	v.b.bc	v.b.bc	bc.c.e	bf	61	52	*	*	*	*
Aberdeen ... ..	b.3.c.bc	c.bc	b	bc	67	51	4.5	-	-	8.7
†East Fortune ... ..	c.o.3	b.b.c.w	b.bc	c.o	67	51	*	*	*	*
†Flamborough Head ... ..	bc.c	c	c.o.c.o		68	44	*	*	*	*
†Felixstowe ... ..	b.bc.3	b.bc.3	b.bc.3	omp	68	46	*	*	*	*
†Cranwell (Lines) ... ..	bc.c.o	c.o.o	c.o	c.o	75	54	*	*	*	*
†Bedford ... ..	b.b.c.w	c.o.3	om	om	74	58	*	*	*	*
Benson ... ..	b	bc	c.o		74	56	53	-	-	*
London (Kew Obsy.) ... ..	b.m.bc	bc	b.bc.o		75	53	56	-	-	12.6

## 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. i 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.

	Morning	Afternoon	Night	24 HOURS ENDED 9H G.M.T. 17 <sup>th</sup> .....			YESTERDAY.		To-D.	
Greenwich (Royal Observatory)	b. bc	b. bc	b. o. d	79	60	52	-	12.2	42	81
City (Bunhill Row) ... ..	*	*	*	*	*	*	*	10.5	*	*
Westminster (St. James's Park)	*	*	*	76	61	57	-	11.4	55	89
„ (Admiralty Arch)	bz. bc	bc. b	bc. om	78	61	*	-	10.2	49	82
Camden Sq. (British Rainfall)	b	b. bc	*	80	60	58	-	9.2	41	80
Kensington Palace ... ..	bc	bc	*	81	60	55	-	*	*	85

## SOUTH KENSINGTON (Meteorological Office).

	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	
	Total	Average Rate.
		Milliwatts.
		Maximum Rate.

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

17 <sup>th</sup> AND 18 <sup>th</sup> JULY 1919.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.50	11.59	8.7
	3.51	11.59	8.6
Greenwich {	4.4	12.6	8.7
	4.5	12.6	8.7
Wick ... {	3.34	12.18	9.1
	3.35	12.18	9.0
Valencia ... {	4.41	12.47	8.52
	4.42	12.47	8.51

## NOTES ON THE WEATHER OF YESTERDAY.

Sunshine records were very good in SE England, exceeding 12 hours generally. At Scilly the total was also over 12 hours. There was no rain apart from some slight showers during the night, which yielded 1mm of rainfall at Birr Castle. Maximum temperatures between 70° and 75° occurred at several stations both in England and Scotland. There was much coastal fog.

† Air Ministry Station.

\* Information for these columns not usually received.





No 21,957B .. FRIDAY, 18<sup>TH</sup> JULY.....1919

No 21,957B .. FRIDAY, 18<sup>TH</sup> JULY.....1919

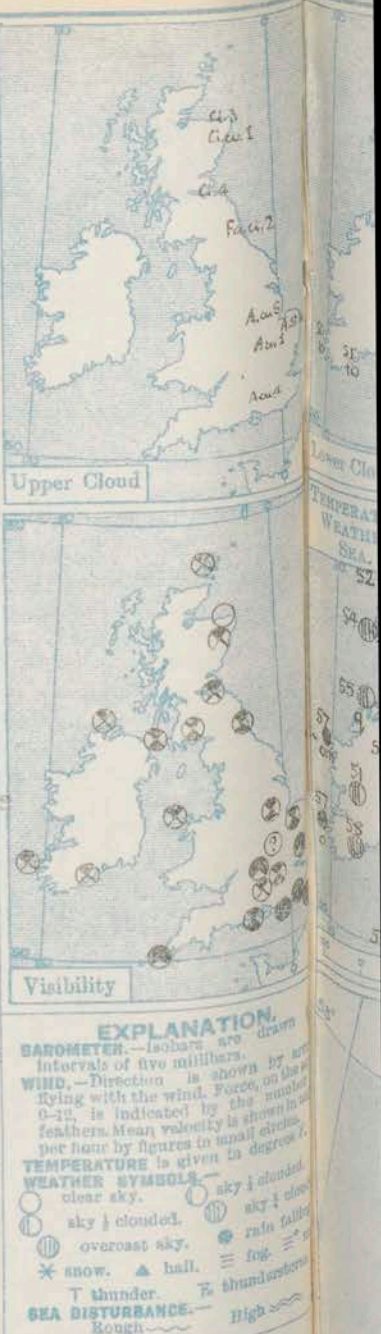


# SUMMARY OF CONDITIONS AT 7 A.M. Friday, 18th July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Up to 10 SW.	Moderate	Cloudy to overcast, fog on coast.	Var.	Slight
2. E. England	2-10 var.	"	Cloudy to overcast, fog on coast.	V. poor	"
3. E. Midlands	Under 5	R. warm.	Cloudy, local haze.	Var.	-
4. W. Midlands	Indefinite	"	Overcast	Bad	-
5. S.W. England	Calm	"	Overcast	"	Smooth
6. South Wales	2-10 Var.	Moderate	Cloudy, local drizzle, mist and fog.	"	"
7. North Wales	WSW. 5	"	Overcast.	-	"
8. N.W. England	SSW. 10-15	"	Overcast, fog at Holyhead	Var.	"
9. N. Midlands	S. 5	R. warm	Fair	-	Calm
10. N.E. England	S. 2	"	Cloudy, misty.	Var.	-
11. E. Scotland	Up to 5 W.	Moderate	Cloudy to overcast, local mist.	"	Slight
12. S.W. Scotland	Under 10	R. warm	Fine or fair	V. good	Calm
13. Isle of Man	Indefinite	"	Cloudy to overcast, mist locally.	Ord.	Smooth
14. N. & N.W. Scotland	SSW-SSE. 2-10	Moderate	Cloudy to overcast, mist locally.	-	"
15. Hebrides	S. 5-10	"	Cloudy to overcast, local mist.	Good	"
16. Orkneys and Shetlands	Up to 10 S.	"	Overcast, showery at Castlesby	-	Moderate
17. N.W. Ireland	E-SE. 15	"	Overcast, mist in Shetlands	Var.	Smooth
18. N.E. Ireland	SSE-SE. 5-15	"	Cloudy to overcast, mist and rain at Blacksod	-	Rough
19. S.E. Ireland	S. 20-25	"	Cloudy, misty.	-	Smooth
20. S.W. Ireland	SW. 10	"	Cloudy to overcast.	-	Slight
	S-SW. 2-5	"	Overcast, rain at Valencia	Very good	"
	S-SSW. 10-20	"			

GENERAL INFERENCE from observations received up to 10 A.M.

A new depression off the west coast of Ireland will before long cause cloudy and showery weather in all districts.



Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 18th July, 1919	Further Outlook.
1. S.E. England	Light indefinite breeze, becoming moderate from SW.	Changeable, showery weather with winds mainly from between SW. and W. during the next two days.
2. E. England	Cloudy to dull, some showers.	
3. E. Midlands	Moderate temperature.	
4. W. Midlands		
5. S.W. England	Light or moderate SW. breeze, freshening. Dull, some showers. Moderate temperature.	
6. South Wales		
7. North Wales		
8. N.W. England		
9. N. Midlands		
10. N.E. England	Same as for 1-4	
11. E. Scotland		
12. S.W. Scotland	Light or moderate S. or SE. breeze, veering to between S. and SW. and freshening. Dull, some showers. Moderate temperature.	
13. Isle of Man		
14. N. & N.W. Scotland		
15. Hebrides		
16. Orkneys and Shetlands		
17. N.W. Ireland	Fresh or strong S. to SW. breeze, mainly dull, rain at times, misty. Cool.	
18. N.E. Ireland	Same as for 5-9	
19. S.E. Ireland		
20. S.W. Ireland	Same as for 17	



# SYNOPTIC CHART FOR MORNING OF Friday, 18<sup>th</sup> July, 1919.

Nautical Miles.  
Statute Miles.

Scale - 1:10,000,000

LOW

Barometer

falling

H I C H

## Scale of Surface Visibility.

Objects not visible beyond	metres	
Very Bad	200	(545 yards)
Bad	500	(1,093 yards)
Very Poor	1,000	(2,187 yards)
Poor	2,000	(4,374 yards)
Ordinary	4,000	(8,748 yards)
Good	7,000	(15,233 yards)
Good above ord.	12,000	(13,120 yards)
Unusual	20,000	(21,870 yards)
Excellent	30,000	(32,808 yards)
Objects visible beyond	30,000 metres	(32,808 yards)



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No.129.B

Friday  
18th July

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

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h. 16h.	Day. 9h-17h. 17h.	to 17h. 17h.	Sunrise to Sunset. 16h.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h. 16h.	Day. 9h-17h. 17h.	to 17h. 17h.	Sunrise to Sunset. 16h.
Scotland.									England, N.E.								
Oban ... ..	*	o	57	53	-	-	0.0	0.1	Douglas (I.O.M.)	*	*	65	51	0.3	-	5.2	0.1
Banff ... ..	bc	bc	61	49	-	-	3.3	2.3	Blackpool ... ..	*	o.c.o	65	50	-	-	0.5	1.2
Montrose ... ..	*	*	72	49	-	-	8.5	11.4	Southport ... ..	o.c.o	o.c.o	65	52	-	-	0.1	1.5
St. Andrews ... ..	b	o	67	47	-	-	7.5	14.5									
England, N.E.									Midlands.								
Harrogate ... ..	bc.c	bc.c	70	52	-	-	4.1	4.6	Buxton ... ..	bate	barte	67	52	-	0.2	0.9	?
Skegness ... ..	b	bc.o	67	57	-	-	6.8	7	Leamington Spa...	a	c.b	71	59	-	-	2.6	6.5
									Malvern ... ..								
									Ross-on-Wye ... ..	om	o3	72	57	-	-	0.2	4.1
England, E.									Wales.								
Felixstowe ... ..	om	om	68	60	-	-	0.1	12.7	Rhyl ... ..	cp	pc	63	51	-	2	0.3	1.9
Walton-on-Naze...									Colwyn Bay ... ..	*	*	63	54	-	0.6	0.3	2.5
Southend-on-Sea...	c.om	om	70	58	-	-	1.0	12.4	Llandudno ... ..	c	cp	62	54	-	0.5	0.3	1.2
									Aberystwyth ... ..	no.c	c.o	61	59	-	0.1	0.0	2.5
England, S.E.									England, S.W.								
Margate ... ..	c	bc.c.o	71	57	-	-	1.1	12.1	Weymouth ... ..	c.bc	bcm	73	58	-	-	5.2	10.9
Ramsgate ... ..	*	o	68	55	-	-	3.5	12.8	Teignmouth ... ..								
Folkestone ... ..	*	*	63	56	-	-	2.6	12.7	Torquay ... ..	o.c.o	o.c.o	68	58	-	-	1.0	8.3
Hastings ... ..	bc.b	b	65	54	-	-	7.4	14.0	Paignton ... ..	*	bc	67	57	-	-	0.2	8.6
Eastbourne ... ..	bc	bc	64	54	-	-	3.9	14.0	Penzance ... ..	o.bc	c.bc	68	58	-	-	2.3	4.3
Brighton ... ..	*	*	63	57	-	-	0.2	13.2	Newquay ... ..	m	b.bc	65	56	2	-	3.0	1.9
Worthing ... ..	o	o.bc	65	57	-	-	1.8	13.3	Bude ... ..	do.bc	o	67	57	1	-	1.9	0.0
Littlehampton ... ..	o	o.bc.o	70	57	-	-	1.8	13.2	Ilfracombe ... ..	ofe	o	63	58	-	-	0.6	0.3
Bournemouth ... ..	*	*	72	57	-	-	3.5	12.1	Weston-s-Mare ... ..	c.bc	bc	69	58	-	-	5.0	1.0

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	RAINFALL.		Sun. Hours.
	7h-13h. 17h.	13h-18h. 17h.	18h-17h. 18h.	1h-7h. 18h.				Day. 7h-18h.	Night. 18h-7h.	
†Houton Bay (Orkney)...	o	o	pd.o	zg	58	50	*	*	*	*
Eskdalemuir ... ..	om.o	o.c	c.o	c.om	65	50	45	-	-	1.3
†Stranraer ... ..	o	c	c.o	o.bc.c	63	50	*	*	*	*
†Lough Foyle ... ..	o	o	*	*	*	*	*	*	*	*
Valencia (Cahirelveen) ...	o.c	c.bc	c.	o	63	54	54	-	1	4.2
†Anglesey (Llangefni) ...	b.opd	c.o.bc.c	c.o.bc.c	o	64	55	*	*	*	*
Falmouth ... ..	o	o	o	r	65	56	52	-	1	0.6
†Calshot (Hants) ... ..	om	bc.c	om	c.o	69	56	*	*	*	*
†Capel (Folkestone)...	of	ef.o	ef	of	60	53	*	*	*	*
Aberdeen ... ..	b.bcy	bcy.c.o	bc.c.b	bc	70	49	4.0	-	-	11.1
†East Fortune ... ..	g.3.	c.o.3.	-	c.ov	66	53	*	*	*	*
†Flamborough Head ... ..	b.bc	bc.cu	-	-	*	*	*	*	*	*
†Felixstowe ... ..	om.p	o.om	c.o.3.	c.of	68	58	*	*	*	*
†Cranwell (Lincs) ... ..	c.o.c	c.bc.c	p.c	c.c.o	72	53	*	*	*	*
†Bedford ... ..	om	c.o.3.	z	z	71	56	*	*	*	*
Benson ... ..	o	o	c	-	73	50	45	-	-	*
London (Kew Obs.) ... ..	o	o.c	bc.c	om	71	55	4.5	-	-	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. i 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 76	33.6 or above

Suffices 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.

Observations.	Morning.	Afternoon.	Night.	F.	F.	F.	mm.	Hours.	G.M.T.	G.M.T.
	24 Hours ended 9h G.M.T. ....							Yesterday.	To-day.	
Greenwich (Royal Observatory)	0	0	bc.0	72	56	45	-	0.4	67	69
City (Bunhill Row) ... ..	*	*	*	*	*	*	*	?	*	*
Westminster (St. James's Park)	*	*	*	70	55	51	-	0.5	80	80
" (Admiralty Arch)	02	oze	bc-bm.c	71	57	*	-	0.1	71	73
Camden Sq. (British Rainfall)	o.c	0	*	72	56	52	-	0.3	65	67
Kensington Palace ... ..	0	0	*	73	55	47	-	*	*	74

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	REHIDITY %	
	15 h. G.M.T.	9 h. G.M.T.
Total ... 80.9 ... Joules.		
Average Rate. Milliwatts.	14.0	
Maximum Rate.	45	

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

18th and 19th JULY, 1919.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.51	11.59	8.6
	3.52	11.59	8.5
Greenwich ...	4.5	12.6	8.6
	4.7	12.6	9.0
Wick ...	3.35	12.18	8.59
	3.37	12.18	8.51
Valencia ...	4.42	12.47	8.50
	4.44	12.47	

## NOTES ON THE WEATHER OF YESTERDAY.

The temperature slightly exceeded 70° in a few parts of England and Scotland. Rainfall amounting to 4 mm. was measured at Blacksod Point, and 2 mm. at Nottingham. Sunshine records were rather poor except

in Scotland. There was thunder in the afternoon at Buxton. Fog occurred again at night at a number of coast stations.

† Air Ministry Station.

\* Information for these columns not usually received.





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

No 21958B SATURDAY, 12<sup>TH</sup> JULY.....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 15H.

STATIONS.	Barom.	†	WIND.		Weather.	TEMP.	Humidity.	Visibility.	Height	Low Cloud		Upper Cloud		Sea	Barom.	†	WIND.		TEMP.	Humidity.	Visibility.	Height	Low Cloud		Upper Cloud		Sea	
	at	Change	Direc.	Force		°F.	%	0-10.	Feet.	Form.	Amt.	Form.	Amt.	0-9.	M.S.L.	Change	Direc.	Force		°F.	%	0-10.	Feet.	Form.	Amt.	Form.	Amt.	0-9.
	M.S.L.	in 3 hours.	0-12.	0-10.		Feet.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	M.S.L.	in 3 hours.	0-12.	0-10.		0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-9.
13H. G.M.T. 18 <sup>TH</sup>														18H. G.M.T. OF 18 <sup>TH</sup>														
Houton B. (Orkney)	1009.1	-2	SSE	5	C	56	75	7	2-3000	F.Cu	3	A.St	5	5	1007.1	-3	ESE	4	O	54	87	5	5-7000	St.Cu	4	A.St	4	3
Eskdalemuir ...	1009.9	-3	SW	4	om.	61	75	6	12-2000	St	3	A.St	6	*	1007.4	-4	SSW	4	O	57	75	6	-	St	9	A.St	1	*
Stranraer ...	1008.8	-3	SSE	5	O	58	75	7	1-1500	St	10	-	-	*	105.6	-4	SSE	4	r	54	98	6	12-1000	Nb	10	-	-	*
Lough Foyle ...	1003.7	-6	S	7	f.g.	58	92	5	12-2000	Nb	4	A.St	6	3	1000.5	-4	S	7	f.g.	57	92	5	12-2000	Nb	4	A.St	6	3
Valencia (Cahire'n)	1003.9	-5	S	5	of	59	98	5	<500	St	10	-	-	4	1003.5	0	WSW	4	om.	58	92	6	12-1000	St	10	-	-	4
Anglesey (Llangefni)	1010.5	-5	SSW	5	O	61	75	8	1-1500	St	10	-	-	4	1007.8	-4	SSW	4	r	57	92	6	12-1000	St	10	-	-	4
Falmouth ...	1013.6	-2	S	2	O	63	82	7	-	Cu.Nb	9	-	-	*	1010.5	-4	SSW	3	C	60	92	6	-	St.Cu	5	Ci.St	2	*
Calshot (Hants) ...	1014.0	-1	SSW	1	O	68	75	6	3-4000	Cu	6	-	-	4	1011.4	-3	W	2	b	64	75	7	-	-	Ci.St	2	3	
Capel (Folkestone)	1015.3	-2	SSW	3	f.	59	87	0	-	St	10	-	-	3	1012.5	-3	SW	3	of	55	98	0	-	St	10	-	-	3
Aberdeen ...	1009.0	-2	SSE	4	f.	65	55	6	-	-	Ci.Cu	4	2	1007.3	-2	S	4	03	59	65	5	-	St	5	A.St	5	3	
East Fortune ...	1009.6	-3	S	3	C	67	65	6	5-7000	St.Cu	8	-	-	*	1006.3	-2	SSW	3	bc	65	65	6	5-7000	St.Cu	4	A.St	1	*
Flamborough Head	1012.5	-2	SE	3	O	61	65	7	4-5000	St	5	A.St	4	*	1009.7	-2	SSE	3	bc	57	65	7	3-4000	St.Cu	3	P.Ci	3	*
Felixstowe ...	1014.3	-1	SSE	3	bc	66	82	5	-	St	2	A.Cu	2	2	1011.8	-3	SSE	3	b	65	82	6	-	-	Ci	2	3	
Cranwell (Lincs)	1012.3	-4	SSW	3	C	70	65	6	2-3000	St	4	A.Cu	3	*	1009.6	-5	SSW	3	bc	70	65	7	4-5000	St	1	Ci	3	*
Bedford ...	1013.0	-3	W	3	C	73	65	5	4-5000	P.Cu	7	A.Cu	1	*	1010.9	-5	SW	3	3	72	65	6	4-5000	P.Cu	3	A.Cu	3	*
Benson ...	1012.3	-3	WSW	2	O	72	65	5	*	*	*	*	*	*	1009.5	-4	S	2	b	72	55	8	-	Cu	1	Ci	1	*
London (Kew Obs.)	1013.3	-2	WSW	3	C	70	65	6	-	Cu	7	-	-	*	1010.3	-4	SSW	2	b	77	55	8	-	St	2	A.St	1	*
1H. G.M.T. OF 19 <sup>TH</sup>														7H. G.M.T. OF 19 <sup>TH</sup>														
Houton B. (Orkney)	1004.0	-2	S	2	of	54	98	5	12-2000	Nb	10	-	-	*	1001.9	-1	SE	4	of	52	98	2	1-1500	St	7	A.St	2	4
Eskdalemuir ...	1002.3	0	S	5	r	55	-	-	12-2000	Nb	10	-	-	*	1002.9	0	S	4	of	56	98	0	1-1500	St	10	-	-	*
Stranraer ...	1002.3	0	S	5	r	55	-	-	12-2000	Nb	10	-	-	*	1002.9	+2	NW	2	0	56	87	6	2-3000	St	10	-	-	*
Lough Foyle ...	1005.0	+2	WNW	3	om	*	*	*	*	*	*	*	*	4	1004.4	+3	NW	6	0	52	92	6	2-3000	Cu	9	-	-	*
Valencia (Cahire'n)	1005.0	+2	WNW	3	om	*	*	*	*	*	*	*	*	4	1008.7	+3	N	2	c	53	87	8	2-3000	Cu	8	-	-	3
Anglesey (Llangefni)	1005.1	-3	S	5	f.g.	56	98	-	12-1000	St	10	-	-	5	1004.6	+1	SW	1	1	55	95	4	1-1500	St	10	-	-	5
Falmouth ...	1007.2	-3	SW	5	ad.	60	98	3	-	Nb	10	-	-	*	1006.1	0	W	1	ad.	58	98	3	-	Nb	10	-	-	*
Calshot (Hants) ...	1010.2	-2	SW	1	O	58	92	6	2-3000	St	10	-	-	3	1005.4	-1	SSW	2	0	59	87	5	2-3000	St	10	-	-	4
Capel (Folkestone)	1010.2	-2	SW	1	O	58	92	6	2-3000	St	10	-	-	3	1008.5	-1	SSE	1	2	62	82	4	3-4000	Cu.Nb	2	A.St	4	3
Aberdeen ...	1004.6	-3	SE	2	r	56	98	-	2-3000	Nb	9	-	-	*	1003.2	-1	SSE	1	om.	55	95	4	-	Nb	10	-	-	2
East Fortune ...	1006.9	-3	S	1	C	57	92	-	3-4000	St	5	A.St	3	*	1001.7	-2	S	1	C	60	87	6	5-7000	St.Cu	7	-	-	*
Flamborough Head	1009.6	-1	S	2	b	59	92	5	-	St	1	Ci.Cu	2	4	1005.6	0	S	1	2	59	92	4	5-7000	St	5	A.St	3	*
Felixstowe ...	1009.6	-1	S	2	b	59	92	5	-	St	1	Ci.Cu	2	4	1008.3	-3	SSW	1	bc	63	82	6	-	Cu	3	Ci	3	2
Cranwell (Lincs)	1007.3	-3	S	2	r	61	87	5	2-3000	Nb	10	-	-	*	1006.9	0	SSW	1	0	59	87	7	12-2000	St	7	A.Cu	2	*
Bedford ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.6	0	SSW	2	C	60	75	-	3-4000	St.Cu	4	A.Cu	3	*
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.0	0	SSW	3	0	59	92	6	-	St.Cu	10	-	-	*
London ...	1008.8	-1	W	1	bc	60	*	*	*	*	*	*	*	*	1008.0	0	SSW	2	0	60	82	5	-	St.Cu	8	A.Cu	1	*
M.O. at 10.																												

STATIONS CONTRIBUTING REPORTS AT 7H AND 15H.

STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.
	at M.S.L.	°F.	Direc.	Force 0-12.		at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
	m b.					m b.															
18h. G.M.T. of ... 18 <sup>th</sup>						7h. G.M.T. of ... 19 <sup>th</sup>						24 HOURS ENDED 7h. 19 <sup>th</sup>						18 <sup>th</sup>			
Lerwick ...	1009.1	55	ESE	4	bcm	1006.5	-2	56	+2	ESE	4	SE	cm	3	-	62	53	bcm	bcm	om	*
Sornoway ...	1001.6	57	S	3	o	999.6	+2	53	+1	E	2	-	OT	1	15	59	53	op	op	or	0.0
Castlebay (Barra) ...	1000.1	54	SE	5	OT	1001.9	+4	53	-1	WNW	4	-	0	3	16	56	51	op.r	r	o	0.0
Glasgow ...	1006.6	59	S	3	omg	1001.8	0	56	-1	SSW	2	-	r	*	6	67	53	c.o.c	om	or.omp	1.9
Malin Head ...	999.2	59	S	5	omg	1003.0	+6	52	-3	WNW	5	-	omg.p	4	8	62	51	omg.p	omg.p	omr	0.5
Blacksod Point ...	998.9	57	WSW	2	om	1005.9	+3	54	-3	NW	2	-	c	3	15	59	52	omr	omr	omr.og	*
Roche's Point ...	1003.8	59	SW	3	r	1007.2	+2	56	-2	WNW	3	r	c	2	14	60	54	of.d.r	fr	o-b.c	*
Birr Castle ...	1002.3	59	S	2	c	1006.7	*	53	+2	NW	1	-	c	*	7	64	51	cp	cp.or.o	cp.c	0.7
Donaghadee ...	1005.3	56	SW	4	omr.g	1004.6	+5	56	+1	WNW	4	-	o	3	3	60	53	om.om	omg	omg.p	*
Liverpool (Bidston) ...	1008.0	65	SSW	2	o	1004.7	+1	59	-1	S	1	-	o	1	3	69	56	c.o	c.o	or.c	2.7
Holyhead ...	1006.7	56	S	5	og.p	1004.5	+2	56	0	WSW	4	W	cf	2	5	62	54	of.g.c	c.c.p	opg.d	1.9
Pembroke (St. Ann's Head) ...	1008.7	56	S	3	op	1005.8	0	56	0	WSW	1	-	og	3	9	61	55	ov	ov.p.d	op.or.o	0.7
Scilly (St. Mary's) ...	1010.8	59	SSW	3	o	1006.9	-1	58	+1	W	1	W	om	3	5	62	56	cv.op	op	omr.om	0.3
Jersey (St. Aubin) ...	1011.8	62	N	2	o	1008.9	-1	59	+4	S	3	-	og	3	-	67	54	fe.bm	bm.o	o-b.og	1.7
Portland Bill ...	1012.0	60	BSW	3	bc	1007.1	-2	57	+1	SW	5	-	od	4	0.2	63	54	f.bc	bc	omd	*
Dungeness ...	1012.0	55	SW	2	f.og	1008.1	0	59	+5	WSW	2	SW	b	1	0.2	63	52	f.o	of	f.b.p.c	*
Wick ...	1004.1	56	SSE	3	cm	1000.9	-1	53	0	SE	4	-	omr	4	1	57	52	om.bcm	bcm.cm	c-omr	*
Nairn ...	1003.1	69	SSW	3	bc	999.7	*	57	-3	-	0	-	r	1	5	73	54	og.bc	bc.og	c.adp.r	3.3
Leith ...	1006.1	65	SW	1	o	1000.6	-1	59	-2	SW	1	SW	c	1	10	72	56	bc.b	bc.c.o	or.u.c	*
Tynemouth ...	1007.4	59	SSE	2	om	1003.2	-3	61	+4	WSW	2	-	bcm	1	9	71	54	om	om	omp	*
Spurn Head ...	1010.4	60	SE	5	bc	1006.6	0	59	+1	SSW	2	-	or	3	1	63	57	om	bc	c.or	2.8
Yarmouth (Gorleston) ...	1012.1	60	S	4	bc	1008.0	-2	59	-1	S	1	-	bc	1	-	65	55	om.c	bcm	bc	9.1
Clacton-on-Sea ...	1011.4	64	SE	3	bc	1006.1	-1	62	+1	SSW	2	-	b.c.z	1	-	67	60	c.bcm	b.c.g	b-b.c.z	11.1
Nottingham ...	1010.0	68	SW	2	bc	1006.3	*	60	-1	SW	2	SW	r	*	0.2	72	58	c	c.bc	bc	4.2



# SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 19th July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SW. 5-10	Moderate	Mainly dull, fair on South coast of Kent.	Var.	Slight
2. E. England	S.W. 2-5	R. warm	Fair to dull.	Var.	Smooth
3. E. Midlands	SSW. 5-10	"	Cloudy or dull, local showers.	Good	-
4. W. Midlands	SW. 2-10	Moderate	Cloudy or dull, local showers.	-	-
5. S.W. England	SW-W. 2-15	"	Dull, slight rain or drizzle, local mist.	Poor	Slight
6. South Wales	WSW. 2-5	"	Dull.	Ord.	"
7. North Wales	SW. 5-10	R. cool	Cloudy or dull, local drizzle and fog.	Poor	Smooth
8. N.W. England	S.W. 2-5	Moderate	Dull.	Ord.	"
9. N. Midlands	SW. 5-10	R. warm	Cloudy or dull.	-	-
10. N.E. England	SW. 5	"	Cloudy or dull, local rain and mist.	Indiff.	Slight
11. E. Scotland	SW-SE. 0-10	"	Cloudy or dull, local mist and rain.	Var.	Smooth
12. S.W. Scotland	Var. 5-15	Moderate	Dull, local rain and fog.	"	Slight
13. Isle of Man	NW. 10-15	"	Dull.	-	"
14. N. & N.W. Scotland	SE-E. 5-15	"	Dull, rainy, local mist.	Poor	"
15. Hebrides	Var. 5-15	"	Dull, rain in north.	Ord.	"
16. Orkneys and Shetlands	SE. 15-20	R. warm.	Cloudy or dull, misty.	V. poor	Moderate
17. N.W. Ireland	NW. 5-10	R. cool	Cloudy, gloomy.	V. good	Slight
18. N.E. Ireland	WNW. 15-20	Moderate	Dull, misty, squally, local showers.	Var.	Moderate
19. S.E. Ireland	W-NW. 2-10	"	Cloudy or dull.	Good	Smooth
20. S.W. Ireland	NNW-N. 5-10	R. cool	Cloudy.	V. good	Slight



**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of five millibars.  
**WIND.**—Direction is shown by the arrow, and force, on the flying with the wind. Force, on the 0-12, is indicated by the number of feathers. Mean velocity is shown in small circles per hour by figures in small circles.  
**TEMPERATURE.**—Isobars are drawn at intervals of five millibars.  
**WEATHER SYMBOLS.**  
 ○ clear sky. ○ sky & clouds. ○ sky & clouds. ○ overcast sky. \* snow. ▲ hail. ≡ fog. T thunder. F thunderstorm.  
**SEA DISTURBANCE.**—Rough. High.

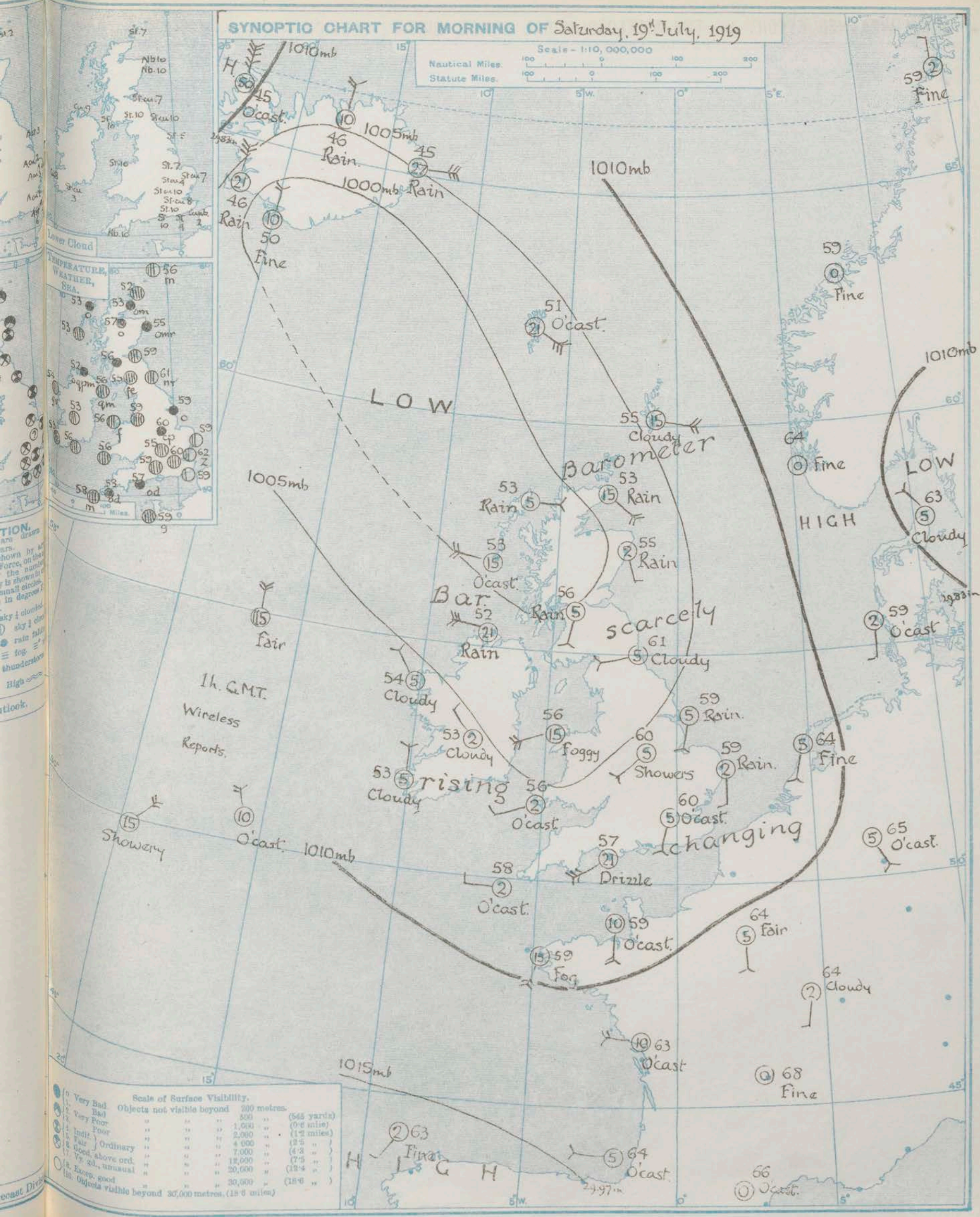
**GENERAL INFERENCE** from observations received up to 10 a.m.  
 A depression between Scotland and Iceland will cause cloudy weather with some showers in all districts.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Saturday, 19th July, 1919	Further Outlook.
1. S.E. England	Light or moderate breezes between S. and W. veering to W. or NW. later. Cloudy, some showers. Moderate temperature.	None issued.
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	Light indefinite to NW. breezes. Dull, some rain, misty.	
12. S.W. Scotland		
13. Isle of Man	Cool.	
14. N. & N.W. Scotland		
15. Hebrides	Moderate SE. or E. breeze, becoming light and indefinite. Dull, some rain, misty. Cool.	
16. Orkneys and Shetlands		
17. N.W. Ireland	Moderate Nly. breezes. Cloudy, some showers, improving. Cool.	
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		



# SYNOPTIC CHART FOR MORNING OF Saturday, 19<sup>th</sup> July, 1919

Scale - 1:10,000,000  
Nautical Miles. 100 0 100 200  
Statute Miles. 100 0 100 200



Scale of Surface Visibility.									
	Very Bad	Bad	Poor	Indist.	Fair	Ordinary	Good, above ord.	Very good, unusual	Excep. good
1	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
2	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
3	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
4	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
5	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
6	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
7	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
8	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
9	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
10	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
11	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
12	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
13	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
14	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
15	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
16	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
17	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
18	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
19	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
20	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
21	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
22	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
23	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
24	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
25	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
26	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
27	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
28	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
29	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
30	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
31	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
32	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
33	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
34	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
35	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
36	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
37	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
38	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
39	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
40	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
41	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
42	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
43	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
44	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
45	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
46	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
47	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
48	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
49	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
50	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
51	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
52	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
53	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
54	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
55	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
56	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
57	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
58	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
59	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
60	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
61	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
62	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
63	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
64	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
65	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
66	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
67	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
68	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
69	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
70	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
71	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
72	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
73	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
74	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
75	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
76	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
77	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
78	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
79	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
80	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
81	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
82	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
83	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
84	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
85	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
86	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
87	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
88	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
89	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
90	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
91	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
92	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
93	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
94	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
95	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
96	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
97	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
98	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
99	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000
100	100	200	500	1,000	2,000	4,000	7,000	12,000	20,000



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 200 B

Saturday

19th July

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h. 17.5	Day. 19h-17h. 18.5	to 17h. 18.5	to Sun. 17.5		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h. 17.5	Day. 19h-17h. 18.5	to 17h. 18.5	to Sun. 17.5
Scotland.									England, N.W.								
Oban ...	*	o	61	53	1	0.3	1.9	0.0	Douglas (I.O.M.)	*	*	58	51	-	-	0.2	5.2
Banff ...	bc	c	72	49	-	-	5.0	3.3	Blackpool ...	*	o.c.o	69	54	-	-	2.3	1.9
Montrose ...	*	*	69	49	-	-	5.4	9.1	Southport ...	o.c.o	o.c.o.c	66	54	-	-	1.0	0.7
St. Andrews ...	b	3	77	48	-	-	8.3	7.9									
England, N.E.									Midlands.								
Harrogate ...	bc.c	bc.c.o	69	46	-	-	2.8	5.2	Buxton ...	r.c.bc	c.o.c	65	52	0.4	-	1.9	0.9
Skegness ...									Leamington Spa...	c	c	71	58	-	-	3.5	2.6
									Malvern ...								
									Ross-on-Wye ...	o.c.o.m.o	o.c.o	70	49	-	-	1.2	1.0
England, E.									Wales.								
Felixstowe ...	bm	b	69	58	-	-	8.1	0.1	Rhyl ...	c.bc	bc.c	70	55	0.2	-	4.2	0.4
Walton-on-Naze...									Colwyn Bay ...								
Southend-on-Sea...	bc.bm	b	74	57	-	-	8.9	1.8	Llandudno ...	o	o	65	55	-	-	2.3	0.4
									Aberystwyth ...	r.o.c	c.o	63	57	-	0.4	0.3	0.0
England, S.E.									England, S.W.								
Margate ...	bc.b	b	74	54	-	-	11.3	1.1	Weymouth ...	o.c	bc	73	56	-	-	5.0	6.3
Ramsgate ...	*	b	68	55	-	-	11.3	3.5	Teignmouth ...								
Folkestone ...	*	*	59	54	-	-	2.0	2.8	Torquay ...	o.c.bc	bc.b.bc.o	70	60	-	-	4.3	1.0
Hastings ...									Paignton ...	c.o	bc.o	70	59	-	-	1.8	0.2
Eastbourne ...	bc	bc	63	54	-	-	6.4	4.1	Penzance ...	c.bc	c.opr	64	59	1	0.2	0.3	3.1
Brighton ...	*	*	59	55	-	-	0.0	0.2	Newquay ...	od.o	o	65	56	0.2	-	0.8	3.9
Worthing ...	m.o	om	61	57	-	-	0.0	1.8	Bude ...	od.o	od	64	58	1	0.1	0.1	2.4
Littlehampton ...	*	*	62	56	-	-	0.0	3.7	Ilfracombe ...	o	o.c.o	66	58	1	-	1.6	0.6
Bournemouth ...	*	*	70	57	-	-	6.7	4.7	Weston-s-Mare ...								

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.		Sun. Hours.
	7h-18h 18 <sup>th</sup>	13h-18h 18 <sup>th</sup>	18h 18 <sup>th</sup> -1h 19 <sup>th</sup>	1h-7h 19 <sup>th</sup>				Day. 7h-18h	Night. 18h-7h	
†Houton Bay (Orkney)...	cq	c.oq		pd.oq	59	49	*	*	*	*
Eskdalemuir ...	ogm.om	om.o	ogorogor	erm.oq	62	53	52	-	9	0.5
†Stranraer ...	c	or	or	ompds	63	50	*	*	*	*
†Lough Foyle ...	rq	rq		rq	61	50	*	*	*	*
Valencia (Cahirciveen) ...	or	op		op.c	61	51	50	12	1	0.0
†Anglesey (Llangefni) ...	og	og	rq	rq	64	54	*	*	*	*
Falmouth ...	od.c	o.c	ord	ordr	66	57	56	trace	0.5	1.5
†Calshot (Hants) ...	c.o	b.bc	c	bo	61	49	*	*	*	*
†Capel (Folkestone)...	of <sub>2</sub>	of <sub>2</sub>		3227r	62	52	*	*	*	*
Aberdeen ...	b.bc3	bc.c.o3	omr		70	54	51	-	trace	8.4
†East Fortune ...	c.o	c.o	o.o	or <sub>1</sub>	70	54	*	*	*	*
†Flamborough Head ...	bc.c.o	bc.c3	c3 <sub>2</sub>	c.opo	67	49	*	*	*	*
†Felixstowe ...	b.bc3	b.bc3	b.bc3	bc.cir	69	58	*	*	*	*
†Cranwell (Lincs) ...	c.o	c.o.bc.c	bc.c.o	c.b.o	74	57	*	*	*	*
†Bedford ...	bc.c3	bc.c3		2p	75	55	*	*	*	*
Benson ...	o	bc	c.o		73	55	51	-	-	*
London (Kew Obsy.) ...	om.bc3.c3	c3.bc.b	b.b.o		77	56	52	-	-	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, i 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.			Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	HUMIDITY %	
	Morning	Afternoon.	Night.						10 h. G.M.T.	9 h. G.M.T.
	24 HOURS ENDED 9H G.M.T. ....							YESTERDAY.	TO-DAY.	
Greenwich (Royal Observatory)	o.bc	o.bab	bc.c.	79	55	43	-	8.4	53	75
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	*
Westminster (St. James's Park)	*	*	*	*	*	*	*	*	*	*
.. (Admiralty Arch)	c3.c	bc.b.	bc.b.op	78	57	*	-	8.0	43	77
Camden Sq. (British Rainfall)	bc	bc	*	80	57	54	-	5.4	51	72
Kensington Palace ...	bc	bc.	*	77	56	50	-	*	*	80

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Total ... joules.	Average Rate.	Maximum Rate.
---	-------------------	---------------	---------------

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

Stations.	19th July 1919.		
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	3.52	11.59	8.5
Greenwich	3.56	11.59	8.4
Wick	4.7	12.6	8.6
Valencia	4.8	12.6	8.5
	3.37	12.18	8.59
	3.39	12.18	8.57
	4.44	12.47	8.50
	4.46	12.47	8.49

## NOTES ON THE WEATHER OF YESTERDAY.

The temperature again exceeded 70° at many English and Scottish stations, where the records of bright sunshine were on the whole rather good. At Kew the maximum was 77°. Rain fell nearly

everywhere, 19 mm. at Tynemouth, 16 mm. at Castlebay and 15 mm. at Blacksod Point. There was some thunder and lightning during the night at Dungeness.





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

No. 21,059 B

SUNDAY, 20<sup>th</sup> JULY, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1<sup>st</sup>, 7<sup>th</sup>, 13<sup>th</sup> AND 19<sup>th</sup>.

STATIONS.	BAROM.	†	WIND.		Weather.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.	BAROM.	†	WIND.		Weather.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.	
	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.		°F.				Form.	Am't. 0-10.	Form.	Am't. 0-10.		at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.		°F.				Form.	Am't. 0-10.	Form.	Am't. 0-10.		
	m.b.	hours.													m.b.	hours.													
13H. G.M.T. OF 19th															13H. G.M.T. OF 19th														
Houton B. (Orkney)	1008.2	+1	SSE	3	of	54	98	2	<500	St	10	-	-	3	1005.2	+3	NNW	7	of	51	98	4	<500	St	10	-	-	3	
Esksdalemuir	1004.8	+3	WNW	4	C	63	75	6	-	Cu	8	-	-	*	1007.4	+2	NW	8	C	60	68	8	5-7000	St.Cu	7	Ci	trace	*	
Stranraer	1016.8	+2	NNW	4	V	60	75	8	3-4000	St	5	Ci	2	*	1009.5	+2	W	4	O	55	75	8	2-3000	Cu	3	A.Cu	6	2	
Lough Foyle	1008.0	+2	W	4	C	65	75	8	2-3000	St	5	Ci	2	*	1012.9	+2	NW	3	O	57	68	10	5-7000	St.Cu	10	-	-	3	
Valencia (Cahire'n)	1011.0	+3	NW	4	CV	58	65	10	3-4000	Cu	5	Ci	2	3	1007.7	+1	NNE	3	O	58	75	8	1-1500	St	10	-	-	4	
Anglesey (Llangefnol)	1006.6	+2	N	3	O	57	87	6	1-1000	St	10	-	-	3	1009.0	+2	N	4	C	59	75	5	-	St.Cu	7	-	-	*	
Falmouth	1007.3	+1	N	4	O	61	75	5	-	St.Cu	9	-	-	*	1005.5	-3	SE	2	f.f.	60	98	3	<500	Nb	10	-	-	4	
Calshot (Hants)	1007.1	-1	SSW	2	f.f.	63	87	7	<500	Nb	7	-	-	4	1007.8	-1	WSW	3	d.	57	92	5	1-2000	St	9	-	-	3	
Capel (Folkestone)	1008.6	+1	SSW	4	Om.	60	87	4	1-1500	St	10	-	-	3	1006.1	+5	NNW	3	C	60	65	8	-	Cu.Nb	8	-	-	3	
Aberdeen	1003.0	0	SS'E	3	b3.	67	65	6	-	Cu.Nb	1	-	-	3	1004.2	+4	WNW	5	O	62	65	7	7-5000	St.Cu	2	Ci	2	*	
East Fortune	1003.3	+2	WSW	5	q	68	65	7	4-5000	St.Cu	2	-	-	*	1006.9	0	SSW	3	C	66	75	6	-	St.Cu	5	A.Cu	2	3	
Flamborough Head	1007.3	0	SSW	3	C	68	65	5	7-9000	Nb	5	Ci	3	4	1005.7	-1	SSE	2	O	62	98	7	1-2000	St	10	-	-	*	
Felixstowe	1006.8	0	SSW	1	O	66	75	7	2-3000	St.Cu	10	-	-	*	1003.5	-1	S	1	?	60	98	4	-	Nb	10	-	-	*	
Cranwell (Lincs)	1008.0	0	WSW	1	O	65	75	4	5-7000	St	10	-	-	*	1006.4	0	SSE	3	OF	62	87	6	-	St.Cu	6	A.St	4	*	
Bedford	1006.9	0	S	1	?	63	82	8	-	-	-	-	-	*	1012.0	+1	WNW	4	bc	50	92	6	1-2000	Fr.Cu	2	A.St	3	2	
Benson	1007.0	-1	SW	2	C	68	65	7	-	St.Cu	5	A.Cu	2	*	1012.2	+2	NE	2	odm	47	92	4	-	Nb	9	A.St	1	*	
London (Kew OL)	1007.0	-1	SW	2	C	68	65	7	-	St.Cu	5	A.Cu	2	*	1013.0	+2	-	0	bc	59	87	8	1-2000	Cu	3	A.St	2	*	
1H. G.M.T. OF 20th															7th G.M.T. OF 20th														
Houton B. (Orkney)	1009.7	+4	NW	6	O	48	98	3	1-1500	St.Cu	6	A.St	4	5	1012.0	+1	WNW	4	bc	50	92	6	1-2000	Fr.Cu	2	A.St	3	2	
Esksdalemuir	1010.2	+2	-	0	W	42	92	7	-	-	-	Ci	5	*	1012.2	+2	NE	2	odm	47	92	4	-	Nb	9	A.St	1	*	
Stranraer	1011.1	+2	-	0	C	44	98	6	2-3000	St	5	A.St	5	*	1013.0	+2	-	0	bc	59	87	8	1-2000	Cu	3	A.St	2	*	
Lough Foyle	1015.4	+3	WNW	2	bc	54	*	*	*	*	*	*	*	0	1017.8	+3	WNW	2	C	55	75	8	1-2000	St.Cu	8	-	-	3	
Valencia (Cahire'n)	1010.7	+2	NNE	1	O	49	92	-	2-3000	St	6	A.St	4	2	1012.6	+2	N	2	O	54	82	7	1-1000	St	10	-	-	4	
Anglesey (Llangefnol)	1012.5	+2	WNW	3	O	56	82	6	-	Cu.Nb	9	-	-	*	1015.1	+3	NW	4	O	57	82	5	-	Cu	5	A.St	5	*	
Falmouth	1009.3	0	NNE	2	O	52	92	4	2-3000	St.Cu	10	-	-	*	1009.6	+2	WNW	5	O	54	82	8	<500	St	10	-	-	5	
East Fortune	1009.8	+2	WSW	2	O	52	82	-	4-5000	St.Cu	9	-	-	*	1005.5	0	W	3	O	56	98	5	1-2000	St.Cu	10	-	-	3	
Flamborough Head	1006.5	0	ENE	1	f.f.	58	98	5	1-2000	Nb	10	-	-	*	1011.6	+2	NW	3	C	55	82	8	-	St.Cu	8	-	-	2	
Felixstowe	1005.1	0	ENE	2	O	61	*	*	*	*	*	*	*	*	1012.2	+3	SSW	1	OT	50	92	5	1-1500	Nb	10	-	-	*	
Cranwell (Lincs)	1009.3	0	NNE	2	O	52	92	4	2-3000	St.Cu	10	-	-	*	1005.7	-1	ENE	2	cd	59	92	6	1-1500	Nb	8	-	-	3	
Bedford	1006.9	0	S	1	?	63	82	8	-	-	-	-	-	*	1009.1	+2	NW	4	rm	54	87	1	2-3000	St	10	-	-	*	
Benson	1007.0	-1	SW	2	C	68	65	7	-	St.Cu	5	A.Cu	2	*	1008.9	+5	NW	4	OT	50	98	3	-	Nb	10	-	-	*	
London (Kew OL)	1005.1	0	ENE	2	O	61	*	*	*	*	*	*	*	*	1007.2	+4	WNW	4	odm	53	92	4	-	St.Cu	8	A.St	2	*	
CONTRIBUTING REPORTS AT 7th AND 13th.															24 HOURS ENDED AT 20th														
STATIONS.	BAROM.	TEMP.	WIND.		Weather.	Temp.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.	Rainfall.	TEMP.			Night.										
	at M.S.L.	°F.	Dir.	Force 0-12.						Form.	Am't. 0-10.	Form.	Am't. 0-10.			Max. °F.	Min. °F.	Mean.											
13th G.M.T. OF 19th															7th G.M.T. OF 20th										19th				
Lerwick	1007.0	55	SE	3	of	1010.8	+2	53	+3	WNW	3	-	om	1	1	57	51	om	ofr	f.o									
Stornoway	1007.0	54	W	3	O	1012.2	+2	53	0	W	1	-	C	0	5	57	48	O	bc	c.o									
Castell Bay (Barra)	1008.8	54	W	3	C	1012.6	+3	54	+1	SW	2	-	O	2	-	56	51	O.C.B	bc	c.o									
Glasgow	1008.1	56	W	3	C	1012.6	+3	50	-6	WNW	1	-	C	2	1	62	44	O.P.C.B.C	C	c.c.b.c.c									
Main Head	1008.7	55	WNW	3	CV	1012.4	+2	53	+1	WNW	3	NW	CV	3	0.2	57	51	bc	bc	cp									
Blackall Point	1010.1	58	W	2	bc	1014.8	+2	55	+1	W	2	-	b	2	-	60	50	bc	bc	bc									
Rocky Point	1011.2	58	NW	4	O	1016.8	+2	55	-1	NW	4	-	b	2	-	64	50	C.O	O	O.C.B									
Barr Castle	1010.3	57	NW	1	O	1016.3	?	57	-2	NW	1	NW	C	2	-	59	48	C	C.O	O.C									
Donaghadee	1008.2	55	NE	3	C3	1013.3	+3	53	-3	W	3	-	Og	2	-	57	49	O.M.G.Og	Og	C.O.O.M									
Liverpool (Bishop)	1007.3	60	NW	3	bc	1011.1	+2	54	-5	NW	5	-	O	4	-	62	53	CP.B.C.O	bc	bc.Og									
Holyhead	1008.6	59	N	3	C	1013.3	+2	55	-1	NW	4	NW	C	3	-	61	52	CP.B.C.C	C	bc.C									
Pembroke (P.A.M.)	1008.0	58	N	3	CV	1014.3	+4	54	-2	NW	3	-	O	3	-	63	51	O.C	CV	CV.COV									
Silly (Avery's)	1011.3	58	NW	4	C	1016.8	+2	56	-2	NW	4	NW	C	4	3	64	56	O.R.F.C	CV	C									
Jersey (S. Aubert)	1007.5	60	W	5	C	1013.8	+1	58	-1	WNW	4	-	O	3	6	63	56	O.G.Og	Og	C.O.B.O									
Portland Bill	1005.7	59	NW	3	OT	1010.9	+3	57	0	NW	5	-	C	4	20	59	55	CR	O.R.F	CQ									
Dungeness	1007.4	59	SSW	2	C	1004.9	+1	59	0	SW	3	-	R	3	1	63	56	C	CP.C	C.O.D									
Wick	1005.7	56	WNW	4	omp	1011.8	+2	51	-2	NW	2	-	bc	1	1	61	46	OMP.CM	omp	CP.BCM									
Nairn	1006.9	56	W	1	C	1012.2																							



# SUMMARY OF CONDITIONS AT 7 A.M. Sunday, 20th July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	WNW-SW. 10-20	Cool	Overcast, rainy, local mist	Var.	Slight
2. E. England	2-10 Var.	Moderate	Cloudy to overcast, local drizzle.	V. good	"
3. E. Midlands	NW. 15	R. cool	Light rain, misty.	V. bad.	"
4. W. Midlands	NW. 15	Cool	Light rain.	Good	"
5. S.W. England	W-NW. 10-20	R. cool	Cloudy to overcast; squalls at Weymouth.	V. good	Moderate
6. South Wales	NW. 10	"	Overcast.	V. good	"
7. North Wales	NW. 15	"	Cloudy.	"	"
8. N.W. England	NW. 20	"	Overcast.	"	"
9. N. Midlands	NW. 10	"	Overcast, raining	"	"
10. N.E. England	N. 15-20	"	Overcast, mist and rain in north.	Poor	Moderate
11. E. Scotland	WSW-NW. 2-10	R. cool	Cloudy to overcast, light rain locally.	Good	Slight
12. S.W. Scotland	Up to 5 indefinite	"	Variable cloud, local mist and drizzle.	Var.	"
13. Isle of Man	11-15 NW.	Cool	Overcast.	"	"
14. N. & N.W. Scotland	WNW. 5	"	Fair	"	Smooth
15. Hebrides	W-SW. 2-5	Moderate	Cloudy to overcast.	"	"
16. Orkneys and Shetlands	WNW. 5-15	"	Variable cloud, mist Shetlands.	Var.	"
17. N.W. Ireland	W. 5	"	Fine	"	"
18. N.E. Ireland	W. 10	"	Cloudy to overcast.	V. good	Slight
19. S.E. Ireland	NW. 2-10	R. cool	" " "	"	"
20. S.W. Ireland	WNW-NW. 5-15	Moderate	Fine	"	"

GENERAL INFERENCE from observations received up to 10 a.m.

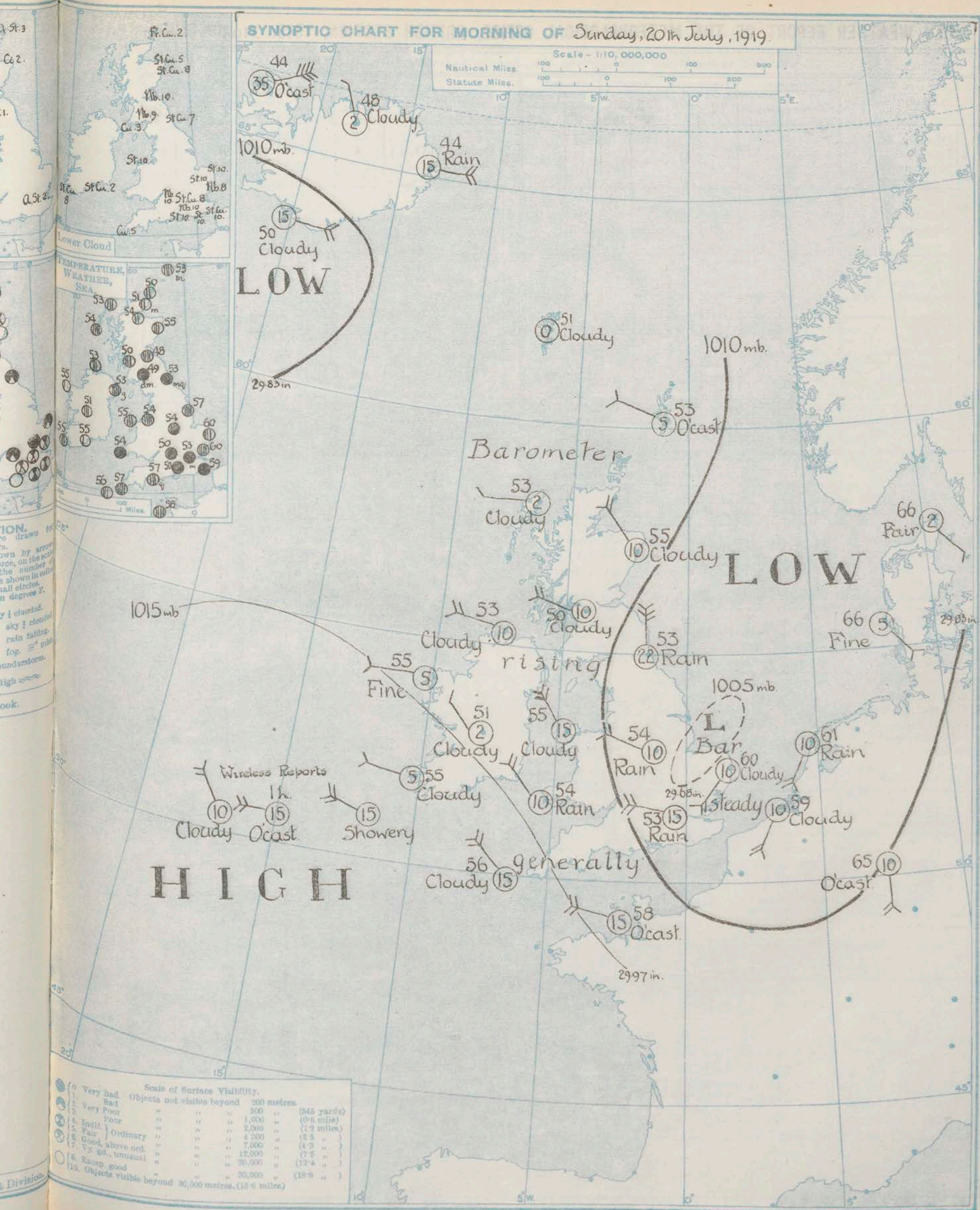
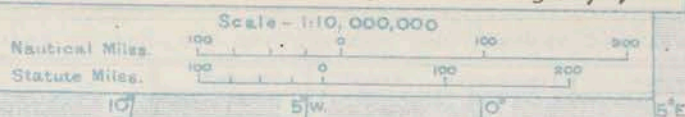
Small secondary depressions over the Wash and over Kent will move away over the North Sea. Over the British Isles the weather will be fair to showery and cool.

**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 & elevated.  
 ⊙ sky & clouded. ⊙ sky & clouded.  
 ⊕ overcast sky. ⊕ rain falling.  
 \* snow. ▲ hail. ≡ fog. ≡ mist.  
 T thunder. T thunderstorm.  
**SEA DISTURBANCE.**—  
 Rough ~~~~~ High ~~~~~

Districts.	Forecasts for the 24 hours commencing 3 p.m. Sunday, 20th July, 1919
1. S.E. England	Moderate NW. breeze. Cloudy, some showers, improving. Cool.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Moderate or fresh NW. breeze. Cloudy, local showers, improving. Cool.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	Light or moderate breezes from between W. and N. Fair generally, local showers. Cool.  Light breezes from between SW. and W. Fair 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	



# SYNOPTIC CHART FOR MORNING OF Sunday, 20th July, 1919.



Scale of Surface Visibility.

(Objects not visible beyond 300 metres)

0	Very Bad	"	"	500 "	(545 yards)
1	Very Poor	"	"	1,000 "	(0.8 miles)
2	Poor	"	"	2,000 "	(1.2 miles)
3	Indist.	"	"	4,000 "	(2.3 "
4	Fair	"	"	7,000 "	(4.2 "
5	Good, above ord.	"	"	10,000 "	(7.5 "
6	Very good, unusual	"	"	20,000 "	(12.4 "
7	Temp. 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. 201. B

Sunday,  
20th July.

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 19th																			
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-9h. 18th.	Day. 9h-17h. 19th.	to 17h. 19th.	Sunrise to Sunset. 18th.			Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-9h. 18th.	Day. 9h-17h. 19th.	to 17h. 19th.	Sunrise to Sunset. 18th.
Scotland.	Oban ... ..									England, N.W.	Douglas (I.O.M.)	*	*	61	54	7.6	0.3	6.0	0.2
	Banff ... ..										Blackpool ... ..								
	Montrose ... ..										Southport ... ..								
	St. Andrews ... ..																		
England, N.E.	Harrogate ... ..	bc.c	c.bc	69	56	1	-	3.1	2.9	Midlands.	Buxton ... ..								
	Skegness ... ..										Leamington Spa...	op	or	64	57	-	6	0.0	3.5
											Malvern ... ..								
England, E.	Felixstowe ... ..	bc	bc	70	59	-	-	7.5	11.0	Wales.	Rhyl ... ..								
	Walton-on-Naze...										Colwyn Bay ... ..								
	Southend-on-Sea...	bcm	bc.opm	75	58	-	-	3.7	10.4		Llandudno ... ..								
											Aberystwyth ... ..								
England, S.E.	Margate ... ..									England, S.W.	Weymouth ... ..								
	Ramsgate ... ..										Teignmouth ... ..								
	Folkestone ... ..	*	*	63	57	1	-	6.3	2.0		Torquay ... ..								
	Hastings ... ..	tr.bc	bc.o	64	53	7	0.3	1.7	?		Paignton ... ..								
	Eastbourne ... ..	o	or	63	51	-	1	0.7	8.2		Penzance ... ..								
	Brighton ... ..										Newquay ... ..								
	Worthing ... ..	o	od	64	55	-	1	0.1	0.0		Bude ... ..								
	Littlehampton ... ..										Ilfracombe ... ..								
	Bournemouth ... ..										Weston-s-Mare ... ..								

SUMMARIES FOR PAST 24 HOURS.																
STATIONS.		WEATHER.				Max. Temp. F.		Min. Temp. F.		Min. on Grass F.		RAINFALL.		Sun. Hours.		
		7h-13h.	13h-18h.	18h-9h.	9h-7h.	7h-13h.	13h-18h.	18h-9h.	9h-7h.	7h-13h.	13h-18h.	7h-13h.	13h-18h.	18h-9h.	9h-7h.	
†Houton Bay (Orkney)...		of.pd.	of.	cq.	c.o.	55	46	*	*	*	*	*	*	*	*	
†Eskdalemuir ...		og.ac	bc.c	c.bc.b.bc	bc.c	64	37	32	1	-	-	1	-	8.3		
†Stranraer ...		bc.c		bc.c	b.bc.	61	54	*	*	*	*	*	*	*	*	
†Lough Foyle ...		c.o	c.o			*	*	*	*	*	*	*	*	*	*	
Valencia (Cahirciveen) ...		c.cvy	cv.o	a.c.bc.c		60	51	43	-	-	-	-	-	4.9		
†Anglesey (Llangefni) ...		or.	c.o	c.o	bc.c	64	45	*	*	*	*	*	*	*	*	
†Falmouth ...		od.o	c.c	o	o	62	53	48	Trace	-	-	-	-	0.4		
†Caishot (Harris) ...		p.	p.		rg.	64	51	*	*	*	*	*	*	*	*	
†Capel (Folkestone) ...		c.o3.	c.op.		or	64	52	*	*	*	*	*	*	*	*	
Aberdeen ...		rm.c.b3	bc.cup	c.o.c		71	53	51	2	-	-	2	-	7.8		
†East Fortune ...		qv	qv	b.bcv	rz	70	47	*	*	*	*	*	*	*	*	
†Flamborough Head ...						*	*	*	*	*	*	*	*	*	*	
†Felixstowe ...		?	bc.cp.		or	69	58	*	*	*	*	*	*	*	*	
†Cranwell (Lincs) ...		c.o	v.p.	r.o		71	58	*	*	*	*	*	*	*	*	
†Bedford ...		c		omd		75	53	*	*	*	*	*	*	*	*	
Benson ...		or	or	r		65	52	52	1	23	1	23	1	1.0		
London (Kew Obs.) ...		o.op.c	c.op.o.or	or.o.or.m		68	52	52	-	-	-	-	-	-	-	

**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. i 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.	Meters per second.
0	Less than 1	Less than 0.3
1	1-2	0.3-1.5
2	3-7	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 76	33.6 or above

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

**SYMBOLS—**  
Aurora ☄ Solar halo ☉  
Lunar halo ☾  
Glazed frost ☁ Solar corona ☉  
Glazed roads ☁ Lunar corona ☾

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rain- fall. inches.	Sun- shine to Sunset. Hours.	Humidity %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.					
	Morning.	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.							
	24 HOURS ENDED 9H G.M.T. 20th								YESTERDAY.	TO-DAY.			Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Station.	Sunrise.	Noon.	Sunset.
Greenwich (Royal Observatory)	p.c	gr	or	75	53	54	6	3.0	66	95	G.M.T.	G.M.T.		G.M.T.			
City (Banfill Cove)				*	*	*	*	*	*	*							
Westminster (St. James's Park)																	
(A. & S. Park)	op	op.or	od.oe	73	54	*	5	1.4	71	97							
Camden Sq. (British Museum)	o			72	54	55	6	1.5	*	93							
Kensington Palace	o.	op.or		69	53	55	7	*	*	91							
											Total .....	Joules.					
											Milliwatts.						
											Average Rate.						
											Maximum Rate.						

## NOTES ON THE WEATHER OF YESTERDAY.

Rain fell heavily at Nottingham (total 28 mm), Benson (24 mm.) and Portland Bill (20 mm.). Over Western England and Ireland there was little or none. A maximum temperature of 75° was recorded at Bedford and Southend. There were

8 hours of bright sunshine at Eskdalemuir and Yarmouth, but as a rule the records were rather poor. A thunderstorm occurred at Hastings on Saturday morning.

† Air Ministry Station.

\* Information for these columns not usually received.





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

No. 21092B MONDAY, 21<sup>ST</sup> JULY, 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.		Weather.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea
			Dir.	Force						Form.	Amt.	Form.	Amt.				Dir.	Force						Form.	Amt.			
			0-12.	0-12.						0-10.	0-10.	0-10.	0-10.				0-12.	0-12.						0-10.	0-10.			
13H. G.M.T. 20 <sup>TH</sup>														18H. G.M.T. OF 20 <sup>TH</sup>														
†Houton B. (Orkney)	1013.3	+1	NW	4	bc	57	55	6	4-5000	Cu	3	1	3	1014.7	+2	NNW	4	0	54	75	7	2-3000	St	7	A. Cu	2	3	
†Eskdalemuir ...	1014.1	+2	NW	2	o	53	75	6	-	St	5	A. St	5	1015.5	+2	NW	3	0	58	65	7	-	Cu	2	A. St	7	*	
†Stranraer ...	1014.9	+2	N	4	bc	61	65	8	3-4000	St	2	Ci	2	1017.2	+2	W	4	bc	57	75	8	3-4000	Cu	5	-	-	2	
†Lough Foyle ...	1016.3	+1	W	4	bc	58	75	8	3-4000	Cu	5	-	-	1022.2	+2	W	3	bc	59	75	10	1½-2000	Cu	3	A. Cu	1	2	
†Valencia (Cahire'n)	1020.7	+4	W	3	c	60	75	10	1½-2000	Cu	4	A. St	4	3														
†Anglesey (Llangefni)	1015.8	+2	NW	4	c	60	65	8	1-1500	M. Cu	4	Ci	4	3	1017.2	+1	WNW	2	c	60	75	8	4-5000	St. Cu	4	A. Cu	3	3
†Falmouth ...	1018.0	+2	NW	5	bcgy	62	55	8	-	St	3	Ci. Cu	1	1020.5	+4	WNW	4	bcv	60	65	8	-	Cu. Nb	2	Ci	2	*	
†Calshot (Hants) ...	1014.4	+4	NW	3	o	59	98	8	4-5000	St. Cu	6	A. Cu	4	5	1015.7	+1	WNW	4	o	61	65	8	4-5000	St	10	-	-	5
†Capel (Folkestone)	1009.5	+5	WNW	5	r.	52	92	4	-	Nb	8	-	-	5	1012.9	+4	WNW	6	d.	51	92	4	1-1500	St	10	-	-	5
1H. G.M.T. OF 21 <sup>ST</sup>																												
†Houton B. (Orkney)	1015.9	+1	NNW	3	c	47	98	5	1½-2000	St	4	A. St	3	3	1015.9	-1	NNW	3	o	53	87	8	1-1500	St. Cu	6	A. St	3	3
†Eskdalemuir ...	1016.7	+1	WNW	5	b.	47	75	8	-	-	-	Ci. St	1	*	1017.6	+1	W	4	b	51	75	7	-	Cu	2	-	-	*
†Stranraer ...															1018.4	0	WSW	1	b	54	87	7	2-3000	St.	2	A. St	1	*
†Lough Foyle ...															1021.2	0	SW	5	ot	58	98	5	½-1000	St.	10	-	-	4
†Valencia (Cahire'n)	1022.8	0	WNW	2	o	55	*	*	*	*	*	*	*	0														
†Anglesey (Llangefni)	1019.5	+2	-	0	o	46	98	10	1-1500	St	10	-	-	3	1020.3	+1	WSW	2	c	53	92	8	½-1000	Fr. Cu	4	A. Cu	3	3
†Falmouth ...	1023.6	+2	WNW	3	b.	55	87	6	-	-	-	Ci. St	1	*	1025.0	+1	W	3	c	58	82	7	-	St. Cu	7	-	-	*
†Calshot (Hants) ...	1020.9	+3	W	3	o	58	75	8	4-5000	Cu	8	-	-	4	1022.4	+2	W	3	bc	59	75	8	7-9000	-	-	Ci. St	5	4
†Capel (Folkestone)															1019.8	+3	WNW	4	b	54	75	6	5-7000	Fr. Cu	4	-	-	4
†Aberdeen ...	1014.7	0	-	0	c	47	87	6	3-4000	St. Cu	8	-	-	*	1015.4	0	WNW	4	c	54	75	8	-	-	-	A. St	8	2
†East Fortune ...	1016.1	+2	WNW	2	bc	50	92	-	3-4000	St. Cu	4	-	-	*	1015.7	+1	S	3	bc	52	82	5	3-4000	St.	2	A. St	2	*
†Flamborough Head																												
†Felixstowe ...	1015.5	+5	W	6	q	54	98	5	1½-2000	Nb	9	-	-	4	1017.1	+2	WNW	4	b	56	98	5	2-3000	St. Cu	3	-	-	4
†Cranwell (Lincs)	1016.0	+2	WNW	3	d.	53	82	5	1½-2000	Nb	10	-	-	*	1017.6	+2	WNW	3	bc	52	87	5	2-3000	St.	2	A. St	2	*
†Bedford ...															1019.3	+3	WNW	2	bz	55	55	-	3-4000	Fr. Cu	2	-	-	*
Benson ...															1019.8	+3	W	2	b	55	82	6	-	Cu	3	-	-	*
London (Kew Ob.)	1018.1	+3	WSW	2	bc	53	*	*	*	*	*	*	*	*	1020.6	+2	W	3	b	54	75	6	-	St. Cu	1	-	-	*
(M.O. at 1h)																												
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																												
STATIONS.	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea	Rainfall inches.	TEMP.			WEATHER.			Sunshine Hours.						
			at M.S.L. m.b.	Change in 3 hours.		Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.	Max. °F.	Min. °F.					Morning.	Afternoon.	Night.										
18H. G.M.T. OF 20 <sup>TH</sup>														7H. G.M.T. OF 21 <sup>ST</sup>														
Lerwick	1013.7	52	WNW	3	op	1012.8	-1	52	-1	W	3	-	om	2	2	60	50	0	om	om	om	om	*					
Stornoway	1015.1	53	W	2	op	1016.0	0	53	0	NW	2	-	c	1	2	60	53	0 c.o	o.c.p	bc	bc	5.1						
Castlebay (Barra Is)	1016.1	55	WSW	4	b	1016.2	0	52	-2	W	2	-	c	2	Trace	56	51	o.c.b	o.c.b	bc.p.c	bc.p.c	12.4						
Glasgow	1015.3	61	W	4	bcv	1017.7	+1	51	+1	W	2	-	b	*		63	45	c.b.c.v	o.c.b.v	bc.bw	bc.bw	8.1						
Malin Head	1016.6	57	W	4	bcv	1016.5	0	53	0	SW	3	SW	cp	3	1	58	52	bcv	bcv	bcv	bcv	10.8						
Blacksod Point	1018.4	56	WSW	3	cp	1017.4	0	55	0	SW	1	-	ogm	2	1	60	52	bcv	bcv	cp.ogp	cp.ogp	*						
Roche's Point...	1020.5	62	NW	4	bc	1022.2	-2	58	+3	W	4	-	r	4	2	65	55	b.b.c.o	o.b.c	bc.or	bc.or	*						
Birr Castle	1019.3	59	W	2	c	1019.1	*	56	+5	SW	1	-	o	*		64	51	c	c	c.op	c.op	8.8						
Donaghadee	1016.9	57	NNE	2	bcv	1018.7	0	53	0	W	1	-	bm	1	Trace	60	44	cg. bcj	bc	cg.bcm	cg.bcm	*						
Liverpool (Bidston)	1016.3	59	WNW	?	bc	1018.7	+1	55	+1	WNW	4	W	bc	4	-	60	52	bcv	bcv	b.b.c	b.b.c	5.9						
Holyhead	1017.5	60	WNW	4	bcv	1018.7	0	56	+1	WSW	4	NW	c	3	-	64	50	c.b.c	bcv	c.b.b.c	c.b.b.c	11.5						
Pembroke (St. Ann's Head)	1018.9	58	W	3	bcv	1023.1	+1	54	0	W	3	-	or	3	0.1	60	52	cr. bcv	bcv	bv.c.o	bv.c.o	10.5						
Silly (St. Mary's)	1021.9	60	WNW	4	bc	1025.5	+1	57	+1	WNW	4	N	c	4	-	63	55	c.b.v	bcv	bc.c	bc.c	8.3						
Jersey (St. Aubin)	1019.8	61	WNW	4	b	1024.8	+1	57	-1	W	5	-	b	3	-	63	54	o.c	c.b	b	b	6.5						
Portland Bill	1010.3	60	NW	5	bc	1023.3	+3	58	+1	WNW	5	-	c	4	-	62	54	cg	c.b	bc.c	bc.c	*						
Dungeness	1013.1	53	W	4	c	1019.8	+3	56	-3	WNW	3	W	b	3	12	59	47	or. cr.	r.c	cr.c	cr.c	*						
Wick	1014.6	57	NW	3	bc	1015.0	0	51	0	WNW	2	-	o	1	-	60	45	bcv	bc	bc.o	bc.o	*						
Nairn	1013.6	60	-	0	c	1015.8	*	53	-1	-	0	-	bc	1	-	65	45	bcv	bcv.c	c.b.v	c.b.v	3.3						
Leith	1013.6	63	W	1	c	1016.0	0	51	+3	W	2	-	b	2	-	64	46	om.o	c.b.c	cu.c.b	cu.c.b	*						
Tynemouth	1013.8	55	N	4	omg	1016.3	+2	52	-1	NW	4	-	bcv	3	1	57	46	omg.p	omg.p	omg.om	omg.om	*						
Spurn Head	1010.5	55	N	6	ogr	1015.5	+1	53	-4	NW	6	-	cg	5	4	60	51	or	ogr	ogr	ogr	0.0						
Yarmouth (Dorset)	1008.2	67	NNW	3	r	1014.7	+2	54	-6	NW	4	-	bcv	4	12	61	52	op.op	op.or	op.g	op.g	0.0						
Clacton-on-Sea	1011.0	54	WNW	4	r	1018.2	+3	55	-5	WNW	4	-	b	3	12	63	50	ov.ogr	ogr	ogr.c.b	ogr.c.b	0.1						
Nottingham	1013.8	55	NW	2	or	1018.6	*	54	0	WNW	2	NW	bm	*	16	55	46	rm	rm	r.o	r.o	0.0						

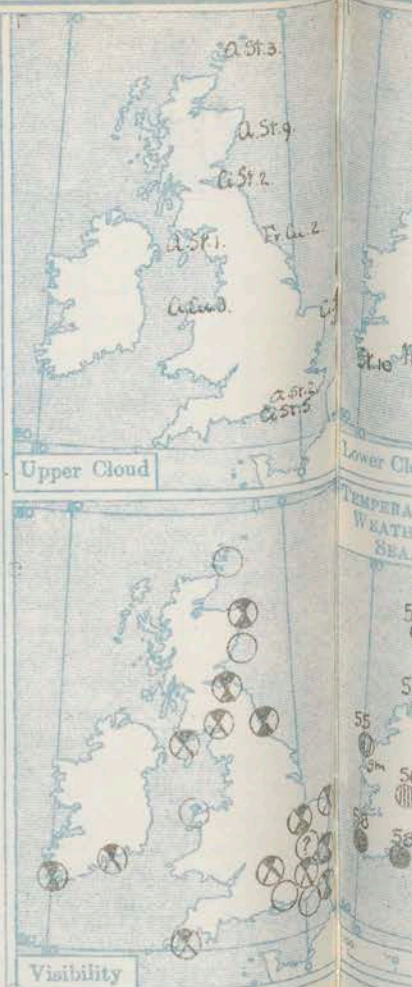
† Air Ministry Station.

\* Information for these columns not usually received.



# SUMMARY OF CONDITIONS AT 7 A.M. Monday, 21st July, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	WNW 5-15	Rather cool	Fine.	good	Slight
2. E. England	W-NW 10-20	"	Fair or fine; local squalls.	ord.	mod.
3. E. Midlands	WNW 5-10	"	Fine; local mist.	ord.	"
4. W. Midlands	W-NW 5-10	"	Fair or fine.	"	"
5. S.W. England	W 10-20	mod.	Cloudy.	good	mod.
6. South Wales	W 10	"	Dull, some rain.	ord.	slight
7. North Wales	WSW-WNW 5-15	"	Cloudy.	good.	slight
8. N.W. England	W-NW 10-15	"	Fair.	"	moderate.
9. N. Midlands	W-NW 5-15	r. cool	Fair or fine.	"	"
10. N.E. England	NW 15-20	"	Fair squally.	fair	moderate
11. E. Scotland	Var. 0-15	"	Fine to cloudy.	good	smooth
12. S.W. Scotland	W 5-15	"	Fine.	"	"
13. Isle of Man	W-NW 0-10	moderate	Fair or fine.	"	"
14. N. & N.W. Scotland	Var. 0-5	"	Fair.	ord.	"
15. Hebrides	W-NW 5	"	Cloudy.	"	"
16. Orkneys and Shetlands	W-NW 10	"	Dull, local mist.	var.	"
17. N.W. Ireland	SW 0-10	"	Dull, some showers & Mist.	"	slight
18. N.E. Ireland	W-SW 0-10	"	Fair to cloudy, local mist.	"	smooth
19. S.E. Ireland	W-SW 5-10	"	Dull.	ord.	slight
20. S.W. Ireland	W-SW 15-20	"	Dull, raining.	"	moderate



GENERAL INFERENCE from observations received up to 10 a.m.

The secondary depression over the Southern North Sea which affected the weather yesterday in east and south-east England has moved away eastwards and fair to cloudy weather is probable over most of the British Isles during the next 24 hours.

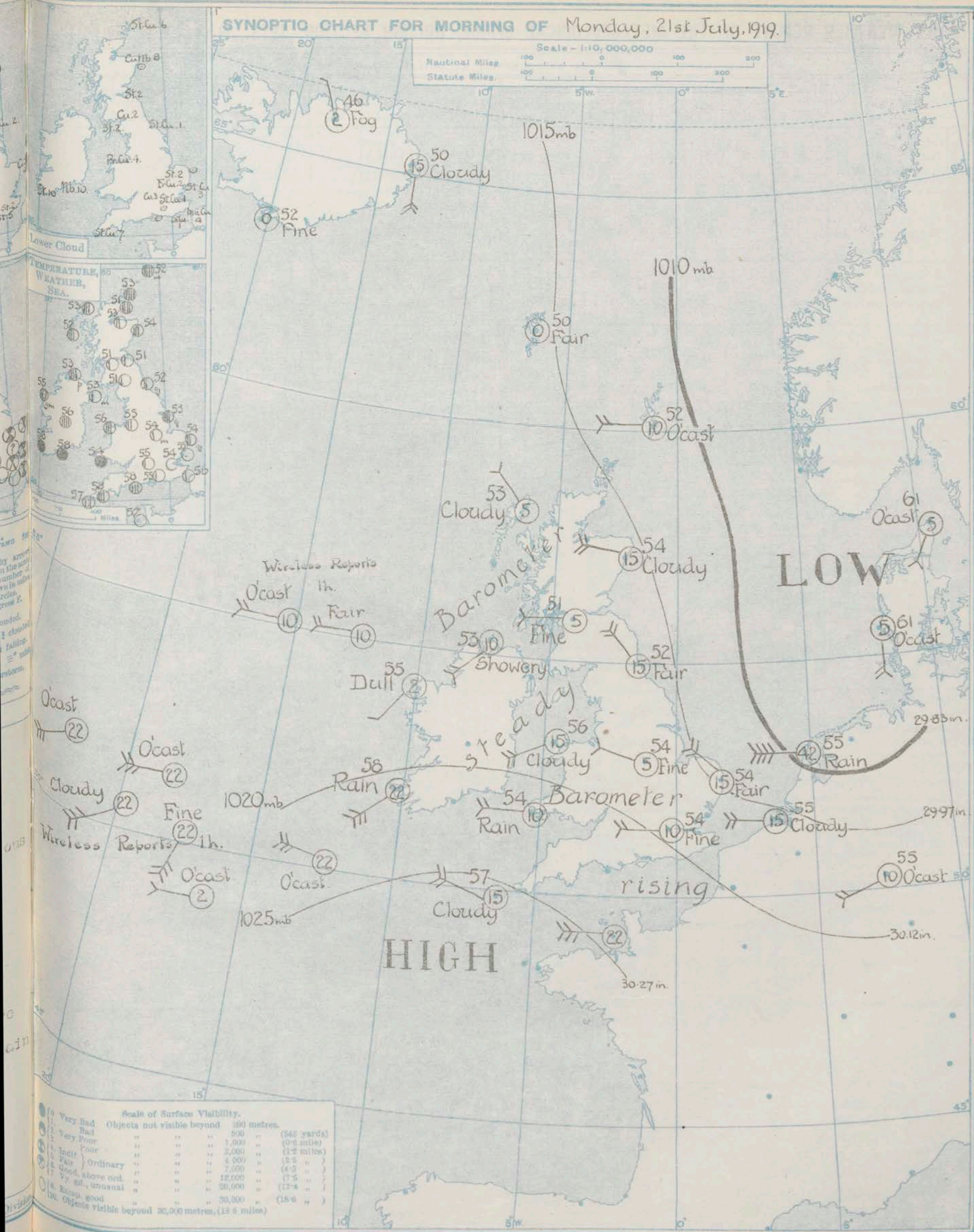
Districts.	Forecasts for the 24 hours commencing 3 p.m. Monday 21st July, 1919	Further Outlook.
1. S.E. England	Light or moderate W to NW winds, fresh locally, backing to between W and SW later. Fair or cloudy, some showers. Moderate temperature	There are some indications of a new depression off the west of Ireland and conditions are likely to remain unsettled.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales	Moderate W to SW winds. Fair or cloudy, some showers.	
7. North Wales		
8. N.W. England		
9. N. Midlands	Same as for districts 1-5	
10. N.E. England		
11. E. Scotland		
12. S.W. Scotland	Same as for districts 6-8	
13. Isle of Man		
14. N. & N.W. Scotland		
15. Hebrides	Same as for districts 1-5	
16. Orkneys and Shetlands		
17. N.W. Ireland		
18. N.E. Ireland	Moderate SW winds. Cloudy or dull, some showers. Moderate temperature	
19. S.E. Ireland		
20. S.W. Ireland		



SYNOPTIC CHART FOR MORNING OF Monday, 21st July, 1919.

Scale = 1:10,000,000

Nautical Miles  
Statute Miles



Scale of Surface Viability.

Objects not visible beyond 100 metres.

Scale of Surface Visibility.					
		Objects not visible beyond		300 metres.	
1	Very Bad	500	500	500	(545 yards)
2	Bad	1,000	1,000	1,000	(1,094 miles)
3	Four	2,000	2,000	2,000	(2,188 miles)
4	Ordinary	4,000	4,000	4,000	(4,375 "
5	Good	7,000	7,000	7,000	(7,575 "
6	Very good, unusual	12,000	12,000	12,000	(12,900 "
7	Exceptional, good	20,000	20,000	20,000	(21,470 "
8	Objects visible beyond 20,000 metres.	30,000	30,000	30,000	(32,180 "



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No 202. B

Monday  
21<sup>st</sup> July

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 20<sup>th</sup> July.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h. 19h-17h. 19h-17h.	Day. 17h-9h. 19h-17h. 19h-17h.	to 17h. 20h.	Sunrise to Sunset. 19h.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h. 19h-17h. 19h-17h.	Day. 17h-9h. 19h-17h. 19h-17h.	to 17h. 20h.	Sunrise to Sunset. 19h.
Scotland.									England, N.W.								
Oban ... ..									Douglas (I.O.M.)								
Barff ... ..	*	c.bc	59	51	-	-	1.3	?	Blackpool ... ..								
Montrose ... ..									Southport ... ..								
St. Andrews ... ..																	
England, N.E.									Midlands.								
Harrogate ... ..	or	or	53	50	18	3	0.0	3.1	Buxton ... ..								
Skegness ... ..									Leamington Spa ... ..	*	*	54	50	25	0	0.0	0.0
									Malvern ... ..								
									Ross-on-Wye ... ..	*	no bc	62	49	28	0.2	0.1	0.1
England, E.									Wales.								
Felixstowe ... ..	o	or	65	56	1	4	0.2	7.6	Rhyl ... ..	c.bc	bc	64	53	-	-	7.6	?
Walton-on-Naze ... ..									Colwyn Bay ... ..	*	*	62	52	-	-	9.0	?
Southend-on-Sea ... ..	orm	orm	57	52	4	3	0.0	3.7	Llandudno ... ..	b	bc	61	52	-	-	10.0	?
									Aberystwyth ... ..								
England, S.E.									England, S.W.								
Margate ... ..	*	or	64	51	1	10	0.0	?	Weymouth ... ..								
Ramsgate ... ..	*	*	58	50	2	2	0.0	6.3	Teignmouth ... ..								
Folkestone ... ..	*	*	59	51	5	8	0.0	1.7	Torquay ... ..	o.c.bc	bc.b.bc	64	52	0.1	-	7.2	?
Hastings ... ..	or	or.o	56	50	7	4	0.0	0.7	Paignton ... ..								
Eastbourne ... ..	*	*	57	52	18	1	0.0	?	Penzance ... ..	bc	bc	65	55	-	-	7.9	?
Brighton ... ..	o	o	56	52	1	-	0.0	0.1	Newquay ... ..	c.bq	bq	61	56	-	-	7.8	?
Worthing ... ..	o	o	61	52	12	-	0.0	?	Bude ... ..								
Littlehampton ... ..	*	*	63	51	?	-	3.0	?	Ilfracombe ... ..								
Bournemouth ... ..									Weston-s-Mare ... ..								

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	RAINFALL.		Sun. Hours.
	7h-13h. 20 <sup>th</sup>	13h-18h. 20 <sup>th</sup>	18h-20 <sup>th</sup> 1h-21 <sup>st</sup>	1h-7h. 21 <sup>st</sup>				Day. 7h-18h.	Night. 18h-7h.	
†Houton Bay (Orkney) ...	b.bc	bc.c	3w	cf.	58	46	*	*	*	0.2
Eskdalemuir ... ..	adm o	o	o.c.bc.b	b	58	44	4.0	-	-	0.2
†Stranraer ... ..	b.bcv	o	o.c.bc.b	b.bc	62	43	*	*	*	0.2
†Lough Foyle ... ..	bc.c	bc.c	bc.c	bc.c	61	53	5.3	-	11	9.2
Valencia (Cahirciveen) ...	cp.bc.c	c.bc	bc.c.or		61	53	5.3	-	11	9.2
†Anglesey (Llangefni) ...	bc.c	bc.c	c.ov	bc.c	61	42	*	*	*	*
Falmouth ... ..	o.c.bq	bc.cq	c.bc.b	bc.c	64	54	4.8	-	-	7.2
†Calshot (Hants) ... ..	b.o	bc.c	b.o	c.o.	64	49	*	*	*	*
†Capel (Folkestone) ... ..	r.3.	om.d.	cr		60	48	*	*	*	*
Aberdeen ... ..	c.bq	bc.c	c.v	bc.c	64	49	4.7	-	-	3.8
†East Fortune ... ..	op.	o	bc.c	b.bc	68	45	*	*	*	*
†Flamborough Head ... ..							*	*	*	*
†Felixstowe ... ..	op.d.	om.r.	r.om.	b.bq	68	53	*	*	*	*
†Cranwell (Lines) ... ..	r.2.	om.r.	c.o	bc.c.b	55	52	*	*	*	*
†Bedford ... ..	3.p.	om.d.	d.		65	47	*	*	*	*
Benson ... ..	p.o	or	bc.c	d.	55	43	3.6	5	0.4	*
London (Kew Obs.) ... ..	om.p.o.d.	ad.or	or.o.b.c	b	54	48	3.8	9	2	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. i 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 0.8
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.			Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.		Stations.	Sunrise.	Noon.	Sunset.
	24 HOURS ENDED 9h G.M.T. ... 21 <sup>st</sup> July								YESTERDAY.	TO-DAY.	Vertical Component of Solar Radiation per Square Centimetre during yesterday.				21 <sup>st</sup> July 1919.
Greenwich (Royal Observatory)	OT	OT	OT.c.bc	61	48	41	10	0.0	95	68					
City (Bunhill Row) ... ..	*	*	*	*	*	*	*	0.0	*	*					
Westminster (St. James's Park)	*	*	*	62	47	44	5	0.0	84	79					
" (Admiralty Arch)	OTm	OTm	OTm.o.b.c	62	49	*	5	0.0	95	64					
Camden Sq. (British Rainfall)	OT	OT	*	62	46	45	4	0.0	-	63					
Kensington Palace ... ..	OT	OT	*	62	46	37	7	*	*	69	Total .... 283 .....	Joules.			
											Milliwatts.				
											Average Rate. 4.9				
											Maximum Rate. 13.				

## NOTES ON THE WEATHER OF YESTERDAY.

There was practically no sunshine in east and south-east England and Midlands, but elsewhere there were fair amounts recorded. Castlebay reported 12.4 hours, Holyhead 11.5 hrs, Pembroke 10.3 hrs of sunshine. A good deal of rain fell in east and south-east England and Midlands. Kew registered 11mm, Clacton and Yarmouth 12mm and Nottingham 16mm. Temperatures were lower, the maximum temperatures ranging mostly between 55° and 65°.

† Air Ministry Station.

\* Information for these columns not usually received.





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

No. 24991. B. Tuesday, 22<sup>nd</sup> July, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 15H.																												
STATIONS.	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.
			Dir.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Dir.	Force 0-12.						Form.	Amt. 0-10.			
			13H. G.M.T. OF 21 <sup>ST</sup>														15H. G.M.T. OF 21 <sup>ST</sup>											
†Houton B. (Orkney)	1015.0	0	NNW	6	o	51	87	7	1-1500	St Cu	7	As	3	6	1014.0	-1	N	6	o	50	87	6	1-1500	St Cu	4	As	6	5
†Eskdalemuir ...	1016.4	-1	W	4	cy	62	55	7	4-5000	Cu	7	-	-	*	1016.3	0	WSW	3	bary	59	55	10	-	Cu	3	As	3	*
†Stranraer ...	1018.3	0	SSW	1	ov	60	75	8	3-4000	St	8	C	1	*	1017.6	-2	-	0	o	56	87	8	2-3000	St Cu	10	-	-	*
†Lough Foyle ...	1018.2	0	W	2	bc	58	75	8	2-3000	Cu	4	As	2	2	1018.3	0	NNW	4	o	54	87	8	2-3000	Cu	3	As	6	2
†Valencia (Cahire'n)	1021.6	+1	WSW	5	o	59	98	4	4-500	St	10	-	-	4	1023.2	+2	W	3	o	58	98	4	-	St	10	-	-	4
†Anglesey (Llangefni)	1019.8	-1	SSW	2	ov	55	92	3	4-1000	St	10	-	-	3	1018.5	-1	WSW	2	o	58	98	6	4-1000	St	10	-	-	4
†Palmouth ...	1024.9	-1	W	6	og	63	75	6	-	Cu	10	-	-	*	1023.1	-4	WSW	5	odg	60	98	2	-	-	-	-	-	*
†Calshot (Hants) ...	1023.8	+2	SW	2	or	58	75	8	4-1000	Nb	10	-	-	4	1021.9	+2	NNW	6	cd	57	87	5	1-1500	St	5	As	2	5
†Capel (Folkestone)	1020.8	0	NNW	3	C	63	65	8	2-3000	St Cu	7	-	-	4	1021.9	+2	NNW	6	cd	57	87	5	1-1500	St	5	As	2	5
1H. G.M.T. OF 22 <sup>ND</sup>													7H. G.M.T. OF 22 <sup>ND</sup>															
†Houton B. (Orkney)	1009.8	-6	NNW	8	orm	45	98	2	1-1500	St	10	-	-	*	1008.9	0	NE	5	oz	52	98	0	4-500	St	10	-	-	2
†Eskdalemuir ...	1014.9	-3	-	0	6	46	87	7	-	Cu	2	-	-	*	1013.1	-1	NNW	3	bc	51	75	7	-	Cu	6	-	-	*
†Stranraer ...	1016.1	-2	WSW	1	6	50	92	*	2-3000	St	4	-	-	*	1017.6	+1	NW	5	C	52	87	8	2-3000	Cu	6	-	-	3
†Lough Foyle ...	1023.0	0	WSW	4	orm	57	*	*	*	*	*	*	*	*	1021.1	-2	WSW	5	C	60	87	7	4-1000	St	8	-	-	4
†Anglesey (Llangefni)	1022.9	-2	NNW	6	og	59	98	4	-	Nb	9	-	-	*	1016.3	0	NNW	1	o	52	98	6	1-1500	St	10	-	-	4
†Palmouth ...	1018.3	-2	SW	3	od	60	92	8	4-500	Nb	10	-	-	4	1021.3	-1	W	5	od	59	98	3	-	Nb	10	-	-	*
†Calshot (Hants) ...	1018.3	-2	SW	3	od	60	92	8	4-500	Nb	10	-	-	4	1016.0	-2	WSW	3	o	60	82	8	4-500	St	10	-	-	4
†Capel (Folkestone)	1023.0	0	WSW	4	orm	57	*	*	*	*	*	*	*	*	1013.5	-5	WSW	6	orm	57	98	3	4-1000	St	10	-	-	3
†Aberdeen ...	1013.3	0	NW	1	o	49	92	5	4-5000	St Cu	9	-	-	*	1008.9	-4	NNW	4	o	51	75	7	-	Nb	10	-	-	3
†East Fortune ...	1013.7	-1	W	3	bc	50	87	*	5-7000	St Cu	7	-	-	*	1013.0	-1	W	4	C	52	82	5	4-5000	St Cu	8	-	-	*
†Flamborough Head	1016.9	-3	SW	4	or	59	98	*	14-2000	Nb	10	-	-	4	1011.7	-3	NNW	5	bc	54	75	7	4-5000	St Cu	3	As	2	*
†Felixstowe ...	1016.9	-3	SW	4	or	59	98	*	14-2000	Nb	10	-	-	4	1011.6	-7	NNW	3	orm	54	98	3	2-3000	Nb	9	-	-	3
†Cranwell (Lincs)	1016.0	-1	NNW	1	orm	56	98	5	14-2000	Nb	10	-	-	*	1012.8	-3	NNW	2	or	52	98	4	14-2000	Nb	10	-	-	*
†Bedford ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.2	0	NNE	3	orm	59	82	2	2-3000	St	10	-	-	*
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.0	-3	W	4	or	59	92	3	-	Nb	10	-	-	*
London (Kew Obs.)	1016.9	-2	WSW	1	od	59	*	*	*	*	*	*	*	*	1013.2	-3	WSW	5	o	61	82	6	-	St Cu	10	-	-	*
STATIONS CONTRIBUTING REPORTS AT 7H AND 15H.																												
STATIONS.	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.							
			Dir.	Force 0-12.		at M.S.L. m.b.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.								
			15H. G.M.T. OF 21 <sup>ST</sup>													7H. G.M.T. OF 22 <sup>ND</sup>												
Lerwick ...	1010.6	53	NNW	3	orm	1009.2	+2	53	+1	NNW	3	-	f	2	15	59	51	om	orm	fr	*							
Stornoway ...	1015.7	55	NNE	2	C	1014.0	-1	52	-1	N	6	-	org	5	10	60	52	bc or	bc or	bc or	7.1							
Castlebay (Barras)	1016.9	56	NNW	4	bc	1016.5	0	54	+2	NW	4	-	C	3	1	57	51	c. or bc	bc	c. bc	8.4							
Glasgow ...	1015.7	58	WSW	4	bc	1013.5	0	51	0	NNW	3	N	bc	*	Trace	63	45	b. bdp	bc	bc	12.3							
Malin Head ...	1017.0	55	NW	4	C	1015.8	0	53	0	NNW	5	N	bc or	4	0.4	59	52	bc	bc	bc	5.8							
Blacksod Point	1018.7	57	NNW	1	odm	1019.1	+2	53	-2	NW	1	NW	bc	2	13	62	51	C	og	or. om	*							
Roche's Point...	1020.9	64	W	4	C	1019.6	-2	61	+3	W	3	-	o	2	1	66	58	or op	o. o	o	*							
Birr Castle ...	1018.6	63	WSW	1	C	1019.1	*	52	-4	NW	1	-	p	*	18	64	57	o. o	om op	c. or	0.9							
Donaghadee ...	1017.3	55	N	2	og	1016.0	0	54	+1	N	4	-	bm	3	-	64	50	om	bc or	om cgm	*							
Liverpool (Bidston)	1017.9	57	NW	4	o	1014.3	-1	52	-3	NNW	5	NW	o	4	9	60	50	C	o	or	5.3							
Holyhead ...	1017.7	54	SW	2	og	1016.4	+1	54	-2	NW	5	NW	Cg	4	8	62	51	cp om	o. o. og	o. or. c	1.8							
Pembroke (St. Ann's Head)	1019.3	57	W	4	o	1016.0	-2	57	+3	W	5	-	og p	5	0.2	58	53	od p	C	o. o. og	0.0							
Scilly (St. Mary's)	1025.1	61	W	5	o	1023.2	-1	58	+1	NNW	5	NW	om	4	0.4	63	56	C. o	o. om	om. om	2.2							
Jersey (St. Aubin)	1026.1	60	W	5	o	1022.1	0	57	0	W	5	-	d	4	Trace	62	55	bc o	o	od	5.0							
Portland Bill ...	1021.6	59	WSW	6	og	1017.6	-2	60	+2	WSW	5	-	og	5	Trace	60	55	C. og	opig	odg	*							
Dungeness ...	1021.3	58	WSW	5	C	1013.7	-3	59	+3	WSW	5	-	r	4	2	65	56	bc	bc. c	c. or. od	*							
Wick ...	1013.6	54	NNW	2	o	1008.2	-1	53	+2	NW	3	-	omg	2	3	58	48	o	o	om r p	*							
Nairn ...	1013.7	55	-	0	r	1010.8	*	49	-4	W	2	-	Cg	2	3	65	48	bc. c	cp r	cp g	8.1							
Leith ...	1014.3	63	NW	3	bc	1011.5	0	52	+1	NW	2	-	C	2	-	64	47	b. bc. c	C. b. bc	bc. bc	*							
Tynemouth ...	1015.0	63	W	3	bc	1011.7	0	52	0	NNW	3	NW	bm	2	-	66	46	Cg	bc	bm. bc	*							
Spurn Head ...	1017.1	61	NNW	2	o	1011.3	-2	55	+2	NNW	4	-	o	2	3	63	51	C	C. o	or	3.4							
Yarmouth (Gorleston)	1016.9	64	E	2	bc	1012.0	-4	53	-1	N	1	-	or	2	5	66	53	bc	bc	bc. or	10.5							
Clacton-on-Sea	1020.0	63	WSW	4	o	1011.2	-4	60	+5	WSW	4	-	og md	4	2	68	55	b. bc	bc or	og md	10.4							
Nottingham ...	1018.0	54	WSW	2	o	1013.3	*	53	-1	NNW	3	NW	orm	*	5	65	53	bc. c	C. o	or	7.5							

† Air Ministry Station.

\* Information for these columns not usually received.

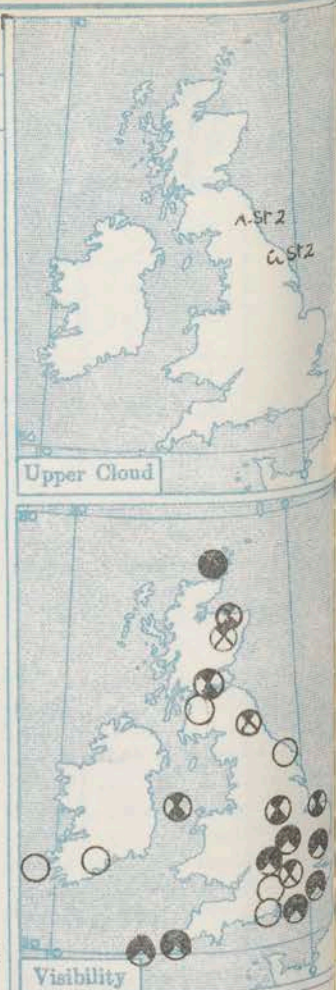
‡ The barometric change is expressed in half millibars.

§ Longside † at 1h.



# SUMMARY OF CONDITIONS AT 7 A.M. Tuesday, 22nd, July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	WSW 15-25	Moderate	Dull, some mist & rain.	Var.	Moderate
2. E. England	NW-SW 5-15	r. cool.	Raining, some mist.	Poor	slight
3. E. Midlands	NW-W 5-15	" "	Dull, rain and mist.	"	---
4. W. Midlands	NW-W 10-15	" "	Dull, some showers.	Indiff.	---
5. S.W. England	W 20	Moderate	Overcast, slight rain & mist.	Poor	r. rough
6. South Wales	W-NW 15-20	"	Dull, squally, some showers.	Ord.	" "
7. North Wales	NW 10-20	r. cool	Dull, local squalls.	"	Moderate
8. N.W. England	WNW 10-20	" "	Cloudy.	"	"
9. N. Midlands	WNW 10	" "	Cloudy.	"	---
10. N.E. England	WNW 10-15	" "	Fair to overcast.	good	slight
11. E. Scotland	NW-W 10-20	" "	Dull, squally.	Var.	slight
12. S.W. Scotland	W-NW 10	" "	Fair.	good	"
13. Isle of Man	NW 10-15	Moderate	Fair or fine.	Ord.	Moderate
14. N.&N.W. Scotland	NW-N 10-15	"	Dull, some mist.	var.	Slight
15. Hebrides	NW-N 15-30	"	Dull, some rain & squalls.	ord.	Moderate
16. Orkneys and Shetlands	NNE-NNW 10-20	"	Foggy.	Bad	smooth
17. N.W. Ireland	NNW 5-20	r. cool	Fair, squally.	good	slight
18. N.E. Ireland	N-NW 10-20	Moderate	Fine to cloudy, some mist.	Var.	"
19. S.E. Ireland	W-NW 0-10	"	Dull, some rain.	good	Moderate
20. S.W. Ireland	W-SW 10-20	r. warm	Dull.	"	slight



**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 & clouded.  
 ⊙ sky & clouded. ⊙ sky & clouded.  
 ⊕ overcast sky. ⊕ rain falling.  
 \* snow. \* hail. ≡ fog. ≡ mist.  
 T thunder. T thunderstorm.  
**SEA DISTURBANCE.**—  
 Rough. High.

## GENERAL INFERENCE from observations received up to 10 a.m.

A depression over the Northern North Sea will cause unsettled weather generally. A secondary depression over the Southern North Sea moving south will give rain at first in Southern England.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 22nd July, 1919	Further Outlook.
1. S.E. England	Fresh winds between west and north-west. Rain at first, some improvement later. Cool.	Conditions are likely to remain unsettled.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales		
7. North Wales	Moderate or fresh NW winds. Cloudy, some showers. Cool.	
8. N.W. England		
9. N. Midlands		
10. N.E. England		
11. E. Scotland	Fresh winds between NW and NE. Cloudy or dull, rain at times, mist or fog locally. Cool.	
12. S.W. Scotland		
13. Isle of Man		
14. N.&N.W. Scotland		
15. Hebrides	Moderate or fresh NW winds. Cloudy, some showers. Cool.	
16. Orkneys and Shetlands		
17. N.W. Ireland		
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		

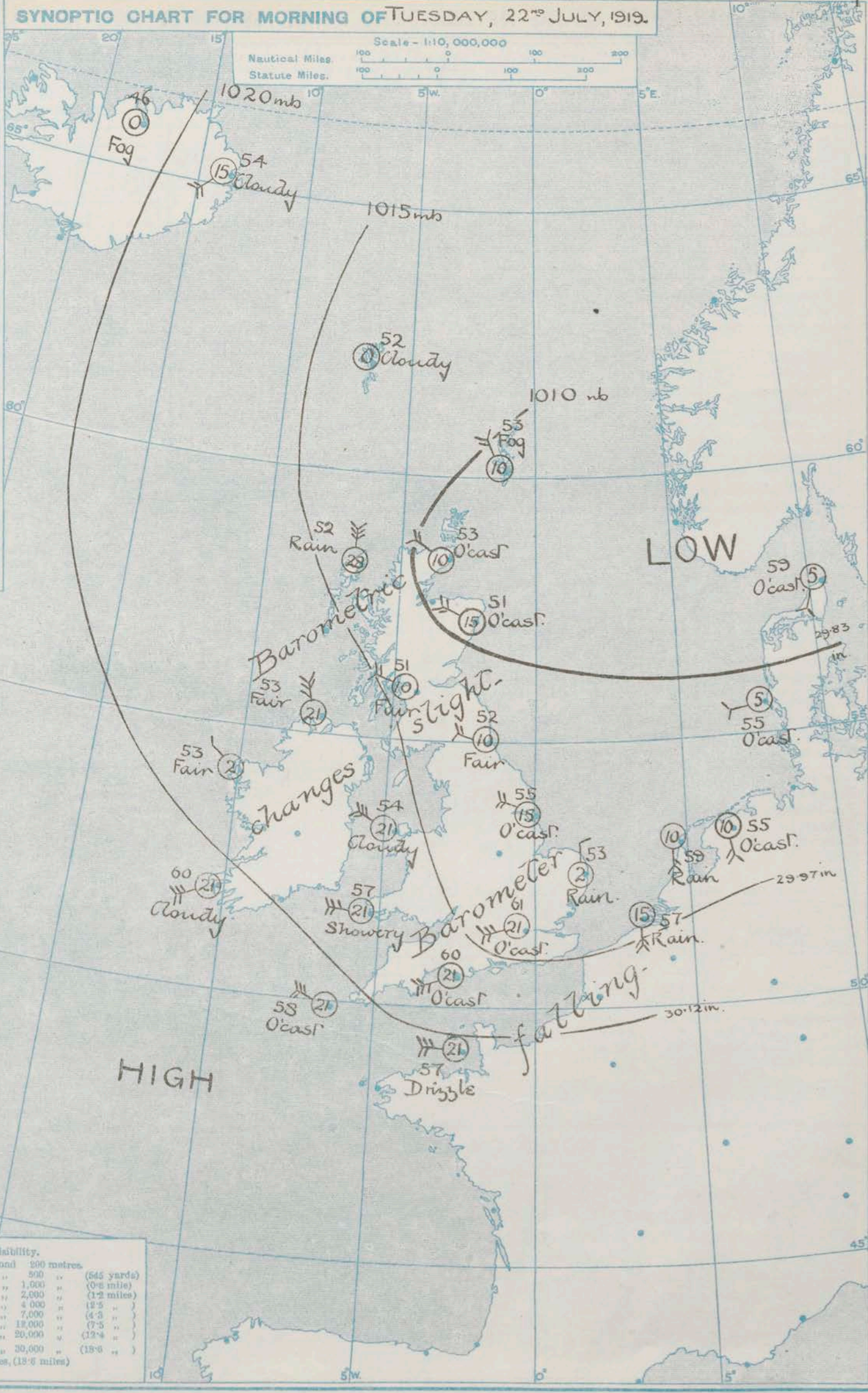


# SYNOPTIC CHART FOR MORNING OF TUESDAY, 22<sup>ND</sup> JULY, 1919.

Nautical Miles  
Statute Miles.

Scale - 1:10,000,000

100 0 100 200  
100 0 100 200



## Scale of Surface Visibility.

Objects not visible beyond	200 metres.	
1. Very Bad.	200 "	(213 yards)
2. Very Poor	500 "	(546 yards)
3. Poor	1,000 "	(1,093 yards)
4. Indist.	2,000 "	(2,187 yards)
5. Fair	4,000 "	(4,375 yards)
6. Good, above ord.	7,000 "	(7,656 yards)
7. Vy. gd., unusual	10,000 "	(10,936 yards)
8. Excep. good	20,000 "	(21,875 yards)
9. Objects visible beyond	30,000 metres, (32,808 yards)	



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 203. B

Tuesday  
22nd July, 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 21st July

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h. 20h.	Day. 9h-17h. 21h.	to 17h. 21h.	Sunrise to Sunset. 20h.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h. 20h.	Day. 9h-17h. 21h.	to 17h. 21h.	Sunrise to Sunset. 20h.
Scotland.									England, N.W.								
Oban ... ..	bc	cp c	58	55	-	4	4.1	?	Douglas (I.O.M.)	*	*	61	47	-	-	7.8	?
Banff ... ..	bc	bc	59	48	-	-	2.7	1.3	Blackpool ...	c. bc	o	64	53	-	-	9.0	?
Montrose ...	*	*	65	47	-	1	6.4	?	Southport ...	bcv	c	62	54	-	-	9.0	?
St. Andrews ...	b	c	67	46	-	-	9.6	?									
England, N.E.									Midlands.								
Harrogate ...	bc	bc	62	45	4	-	7.7	0.0	Buxton ... ..	bc. o	bc. o	62	47	-	-	6.9	?
Skegness ...	2. bc	bc. o	65	50	2	-	9.1	?	Leamington Spa...	c. b. bc	c. b. o	62	44	*	*	7.0	0.3
									Malvern ... ..								
									Ross-on-Wye ...	c. ov. o	op. cp	65	49	-	Trace	2.2	2.1
England, E.									Wales.								
Felixstowe ...	bc	bc	68	52	4	-	11.4	0.2	Rhyl ... ..	bc	bc e	62	42	-	-	5.7	11.2
Walton-on-Naze...									Colwyn Bay ...	*	*	61	50	-	-	5.0	12.6
Southend-on-Sea...	c. bc	bc. o	69	48	5	-	9.3	0.0	Llandudno ...	bc	c	64	53	-	-	3.3	12.7
									Aberystwyth ...	or	c. o	60	56	*	*	0.5	?
England, S.E.									England, S.W.								
Margate ... ..	-	-	67	53	4	-	10.6	?	Weymouth ...	od. ce	oe. o	62	54	-	0.3	1.1	?
Ramsgate ...	b	o	66	50	9	-	10.7	0.0	Teignmouth ...								
Folkestone ...	*	*	68	56	2	-	9.7	0.0	Torquay ... ..	o	o. c. o	63	53	-	-	0.3	9.0
Hastings ...	b	b. bc	66	47	1	-	8.4	0.0	Paignton ... ..	cp	cp	64	52	-	-	0.0	?
Eastbourne ...	bc	bc. o	64	49	1	-	9.5	0.0	Penzance ... ..	c. bc	c. om. o	63	55	-	0.1	1.0	7.9
Brighton ...	*	*	66	50	0.2	-	8.2	0.0	Newquay ... ..	o	odq	62	56	-	0.4	0.0	8.5
Worthing ...	bc. c	o	67	46	-	-	7.5	0.0	Bude ... ..	o	od	61	56	1	2	0.0	?
Littlehampton ...	b. bc	o	?	?	-	-	?	?	Ilfracombe ...	cd	odq	60	57	-	5	0.0	?
Bournemouth ...	*	*	67	49	-	0.3	3.0	4.0	Weston-s-Mare ...	bc ct	cr	61	55	-	0.4	0.7	?

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	RAINFALL.		Sun. Hours.
	7h-13h 21st	13h-18h 21st	18h-24h 21st	1h-7h 22nd				Day. 7h-18h	Night. 18h-7h	
†Houton Bay (Orkney)...	og	cg	rf	fzr	58	43	*	*	*	*
Esksdalemuir ... ..	bc cy	bey cp	bey bte	b. bc	63	43	37	-	-	9.0
†Stranraer ... ..	c. o	ov	c. o		*	*	*	*	*	*
†Lough Foyle ... ..	bc cv	c. o		p	59	49	*	*	*	*
Valencia (Cahiriveen) ...	od o	od	od. bc		60	57	57	3	1	0.0
†Anglesey (Llangefni) ...	omr	ompd		or	61	50	*	*	*	*
Falmouth ... ..	c. og	o. odq	odq	odq	64	57	56	1	1	1.0
†Calshot (Hants) ... ..	rm		bc. ct	or	64	50	*	*	*	*
†Capel (Purbeck) ... ..	bcv	cv ov		c. or	66	48	*	*	*	*
Aberdeen ... ..	bcv	bc. cop		cp. o	65	50	46	1	3	2.3
†East Fortune ... ..	qv	qv	c. o	bc. c.	65	47	*	*	*	*
†Framborough Head ...	bc cv	bc cv		bc. cv	66	50	*	*	*	*
†Felixstowe ... ..	b. bc	bhr	c. or	r. z	68	52	*	*	*	*
†Cranwell (Lines) ...	b. bc	bc. c. o	r	r	65	52	*	*	*	*
†Bedford ... ..	b. bc	bc. o		omr	66	47	*	*	*	*
Benson ... ..	b. bc	bc. o		or	64	55	57	-	0.2	*
London (Kew Obsy.) ...	b. bc	c. o. od	o. od. o. or. o		65	54	56	Trace	1	7.4

## 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. i 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	55-62	24.5-28.4
11	63-75	28.5-33.5
12	Above 76	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.

	Morning	Afternoon	Night	12 h. G.M.T.	9 h. G.M.T.	6 h. G.M.T.	mm.	Hours.	G.M.T.	G.M.T.
	24 HOURS ENDED 9h G.M.T. 22nd							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	bc.c	od	or.d	69	55	57	3	8.1	63	97
City (Bunhill Row) ...	*	*	*	*	*	*	*	7.4	*	*
Westminster (St. James's Park)	bc.o	o	odn	68	57	56	3	8.3	76	96
" (Admiralty Arch)	bcv	bc.og	odorm	68	57	56	2	8.0	57	87
Camden Sq. (British Rainfall)	bc	bc.c	*	70	56	57	4	6.3	59	97
Kensington Palace ...	bc	c.o	*	67	55	57	3	*	*	93

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Total 15.94 Joules.
Average Rate.	27.9
Maximum Rate.	95

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

Stations.	22nd July 1919.		
	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.58	11.59	8.0
Greenwich ...	4.0	11.59	7.58
Wick ...	3.43	12.18	8.53
Valencia ...	4.48	12.47	8.44

## NOTES ON THE WEATHER OF YESTERDAY.

A good deal of sunshine was recorded generally, except in south-west England. Felixstowe reported over 11 hours sunshine and Glasgow reported 12.3 hours. Rain or showers were reported from many stations. Birr Castle recorded 18mm of rain. The maximum temperatures were mostly between 60° and 70°, the highest temperature reported being 69° from Southend.

† Air Ministry Station.

\* Information for these columns not usually received.



1919.



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

No. 2462B ... WEDNESDAY, 23<sup>RD</sup> JULY 1919.

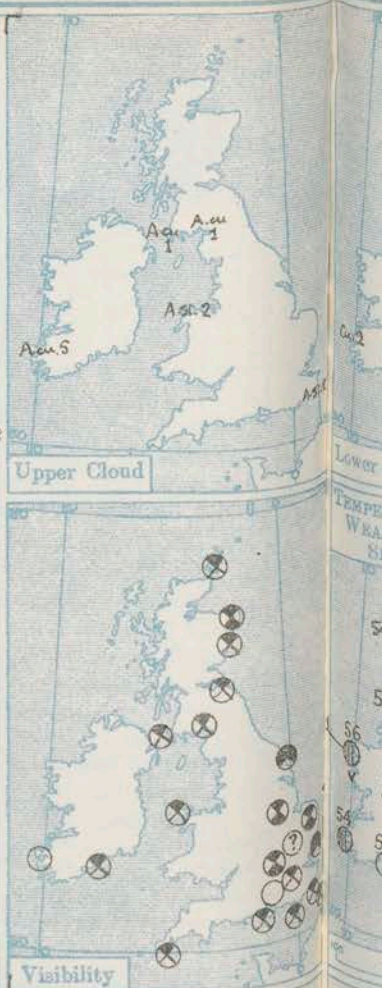
OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 18h.																																							
STATIONS.	BAROM.	†	WIND.		Weather.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.	BAROM.	†	WIND.		Weather.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.											
	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.		°F.				Feet.	Form.	Amt. 0-10.	Form.		Amt. 0-10.	at M.S.L.	Change in 3 hours.	Dir.		Force 0-12.				°F.	Feet.	Form.	Amt. 0-10.		Form.	Amt. 0-10.									
	m.b.																																						
13h. G.M.T. OF 22 <sup>ND</sup>															18h. G.M.T. OF 22 <sup>ND</sup>																								
Houton B. (Orkney)	1011.3	+2	NNW	8	of	52	98	1	-	-	-	-	-	-	1012.8	+1	NNW	8	of	50	98	3	-	-	-	-	-	5											
Eskdalemuir	1012.3	0	NNW	5	o	56	65	8	3-4000	St	10	-	-	*	1013.1	+1	NNW	4	c	61	65	7	14-5000	St Cu	5	Acu	3	*											
Stranraer	1015.5	-2	NW	6	cq	58	75	8	2-3000	Cu	7	-	-	*	1016.7	0	NW	5	ou	56	87	6	12-1000	Nb	9	-	-	*											
Lough Foyle	1019.2	+1	NNW	6	c	57	82	7	2-3000	Cu	3	AS	4	3	1013.5	+1	NW	6	o	54	87	8	14-2000	St Cu	10	-	-	3											
Valencia (Cahire'n)	1021.5	-1	NW	3	c	62	87	7	1-1500	St	8	-	-	3	1022.5	+1	NNW	3	bc	60	75	10	2-3000	Cu	1	Ac	3	3											
Anglesey (Llangefel)	1017.2	0	NNW	5	bc	59	75	8	3-4000	Cu	14	AS	1	4	1017.8	0	NW	3	o	58	75	8	14-2000	St	10	-	-	4											
Falmouth	1020.1	-2	W	6	odg	64	87	3	-	Nb	10	-	-	*	1019.9	0	NW	3	bcv	59	75	7	-	St	4	Ac	1	*											
Calshot (Hants)	1016.7	+1	NNW	3	or	62	92	5	4-1000	Nb	10	-	-	4	1017.2	+1	NNW	4	bc	64	65	8	5-7000	Cu	2	-	-	4											
Capel (Folkestone)	1015.5	+4	NW	2	cr	53	92	6	-	St	8	-	-	3	1014.9	0	NNW	2	bcg	60	65	6	14-5000	Cu	6	-	-	4											
Aberdeen	1009.2	+3	NW	5	orq	56	92	7	-	Nb	10	-	-	2	1011.5	+1	NW	5	odg	54	87	4	-	Nb	10	-	-	3											
East Fortune	1010.6	-1	NNW	3	o	57	65	6	3-4000	St Cu	10	-	-	*	1012.3	+2	NNW	4	orm	58	82	5	2-3000	Nb	7	AS	3	*											
Framborough Head	1011.3	0	NNW	2	o	58	65	8	5-7000	Cu	6	AS	3	1	1010.3	-2	NNW	5	o	57	75	7	14-2000	St	10	-	-	4											
Felixstowe	1013.0	+1	NNW	3	c	60	65	5	5-7000	CuNb	9	-	-	3	1012.6	0	NNW	4	c	63	55	6	14-5000	St Cu	3	Acu	4	4											
Cranwell (Lines)	1012.7	0	NW	3	c	61	65	6	2-3000	St Cu	4	AS	2	*	1015.0	+1	NW	4	o	59	45	3	14-5000	St Cu	10	-	-	*											
Bedford	1013.9	+1	NW	3	c	61	55	2	5-7000	Cu	8	-	-	*	1015.6	0	NW	3	bc	64	55	10	-	Cu	1	-	-	*											
Benson	1014.8	-1	NW	4	o	62	65	7	-	-	-	-	-	*	1015.2	+1	NW	3	by	65	115	8	1-1500	Cu	2	-	-	*											
London (Kew Obs.)	1015.0	+1	NW	3	bc	60	65	8	-	Cu	5	-	-	*	1015.2	+1	NW	3	by	65	115	8	1-1500	Cu	2	-	-	*											
1h. G.M.T. OF 23 <sup>RD</sup>															7h. G.M.T. OF 23 <sup>RD</sup>																								
Houton B. (Orkney)	1014.5	+1	NW	5	o	49	98	0	-	St	10	-	-	4	1016.4	+2	NW	3	o	50	98	5	12-1000	St Cu	10	-	-	4											
Eskdalemuir	1015.4	+2	N	2	o	53	82	6	-	St	9	-	-	*	1016.0	+2	W	2	bc	55	75	6	-	St	5	Acu	1	*											
Stranraer	1018.2	0	NNW	5	ou	54	92	*	14-2000	Nb	10	-	-	*	1018.6	+1	NNW	4	bc	57	75	7	2-3000	St	5	Acu	1	*											
Lough Foyle	1026.7	0	NNW	3	bc	52	*	*	*	*	*	*	*	*	1024.4	+1	-	0	c	54	98	10	2-3000	Cu	2	Acu	5	2											
Valencia (Cahire'n)	1018.8	+1	NNW	3	o	53	87	*	1-1000	St	10	-	-	4	1019.2	+1	NNW	5	c	54	87	7	14-2000	Fr Cu	6	AS	2	4											
Anglesey (Llangefel)	1021.6	0	NNW	2	bcv	52	92	5	-	-	0	-	0	*	1021.2	+1	NW	3	o	58	92	7	-	CuNb	9	-	-	*											
Falmouth	1017.6	0	W	3	o	62	55	7	14-2000	St	10	-	-	4	1016.9	0	NW	5	o	59	75	7	2-3000	St	9	-	-	5											
Calshot (Hants)	1014.8	-1	NW	4	bc	53	75	7	14-5000	St	14	-	-	5	1014.4	+1	NNW	5	o	55	82	7	-	Ma Cu	7	AS	2	5											
Capel (Folkestone)	1013.7	+3	NNW	5	orq	50	98	3	<500	Nb	10	-	-	*	1015.2	+3	NW	5	o	55	75	7	-	St	10	-	-	3											
Aberdeen	1014.5	+1	NW	4	o	56	82	*	2-3000	St Cu	10	-	-	*	1015.5	+1	NW	4	c	57	75	7	4-5000	Nb	7	-	-	*											
East Fortune	1010.9	0	NNW	8	orq	53	92	4	1-1000	Nb	10	-	-	6	1012.3	+2	NNW	7	Trq	52	98	3	4-5000	Nb	10	-	-	6											
Framborough Head	1013.3	-2	NNW	6	bcu	56	82	*	-	St Cu	2	Acu	2	4	1014.7	0	NNW	4	o	55	92	3	3-4000	Nb	10	-	-	3											
Felixstowe	1013.4	0	NNW	4	o	55	87	5	2-3000	St Cu	10	-	-	*	1014.1	+1	NW	3	o	55	87	5	14-2000	St	10	-	-	*											
Cranwell (Lines)	1015.0	0	NW	3	o	57	75	*	-	-	-	-	-	*	1015.0	0	NW	3	o	57	75	*	-	St	10	-	-	*											
Bedford	1016.1	+1	NW	4	o	56	87	5	-	-	-	-	-	*	1016.1	+1	NW	4	o	56	87	5	-	Cu	10	-	-	*											
Benson	1015.5	+2	NW	4	o	57	75	6	-	-	-	-	-	*	1015.5	+2	NW	4	o	57	75	6	-	St Cu	9	-	-	*											
London (Kew Obs.)	1015.8	0	WSW	2	o	57	*	*	*	*	*	*	*	*	1015.8	0	WSW	2	o	57	*	*	*	*	*	*	*	*											
STATIONS CONTRIBUTING REPORTS AT 7h AND 18h.																																							
STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea.	Rainfall. mm.	TEMP.		WEATHER.			Sunshine. Hours.																		
	at M.S.L.	°F.	Dir.	Force 0-12.		at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.																			
	m.b.					m.b.																																	
18h. G.M.T. OF 22 <sup>ND</sup>															7h. G.M.T. OF 23 <sup>RD</sup>															24 HOURS ENDED 7h. 23 <sup>RD</sup>									
Lerwick	1011.9	54	NNE	3	om	1014.3	+2	53	0	NW	3	-	om	2	0.2	57	49	om	opm	om	*																		
Stornoway	1016.6	55	N	4	c	1019.4	+1	52	0	N	4	-	o	3	1	60	51	orq. o	o. c. o	o	0.2																		
Castlebay (Barra Is)	1019.2	54	NW	4	o	1021.0	+2	54	0	NNW	4	NW	bc	3	-	57	52	c. o	o. c. o	o. bc	1.9																		
Glasgow	1013.6	62	NW	4	c	1017.3	+3	55	+4	W	2	N	c	*	-	64	51	bc. c	c	c. b. bc. c	8.5																		
Malin Head	1019.1	55	NNW	6	cq	1021.0	+1	54	+1	NNW	4	N	cq	4	-	57	52	bcg	bcg	cq	7.6																		
Blacksod Point	1022.2	59	NNW	2	bv	1023.5	0	56	+3	NNW	1	-	cv	2	-	60	50	bv	bv	bc. bc. v	*																		
Roche's Point	1021.3	66	NW	2	b	1023.5	+1	55	-6	NW	3	-	b	1	1	66	52	odm	o. bc. b	b	*																		
Birr Castle	1021.3	60	NW	2	c	1024.4	*	52	0	NW	1	W	bc	*	1	66	44	or. c	c	c. bc	10.3																		
Donaghadee	1017.9	56	NNW	4	cqm	1019.3	+2	57	+3	N	4	N	bc	3	-	61	51	bm	bcm	cq. bcm	*																		
Liverpool (Bidston)	1015.9	56	NNW	5	o	1016.8	+1	55	+3	NNW	5	NW	orq	4	-	60	52	c	orq	orq	7.1																		
Holyhead	1018.1	58	NNW	4	bc	1019.4	+1	55	+1	NW	6	N	cq	5	Trace	62	53	c. bc. b	bc. bc. c	bc. c. q	8.5																		
Pembroke (St. Ann's Head)	1020.2	57	W	2	bv	1021.2	+2	54	-3	NW	3	NW	cv	3	2	59	51	od. c	or. bc. v	bc. cv	7.7																		
Scilly (St. Mary's)	1021.2	59	NW	5	odm	1022.7	0	56	-2	NNW	2	NW	bcv	3	1	64	53	om	odm	bc. bc. v	0.8																		
Jersey (St. Aubin)	1019.1	56	W	5	odm	1019.6	0	57	0	NNW	4	-	b	3	1	62	54	odm	odm	odm. o. b	0.0																		



# SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 23rd July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NW 10-20	Rather cool	Variable cloud.	good	Moderate
2. E. England	NNW-WNW 10-20	"	Overcast, some rain.	indiff.	slight
3. E. Midlands	NW 5-15	Moderate	Overcast, some mist.	var.	"
4. W. Midlands	NW 5-15	r. cool	Dull.	ord.	"
5. S.W. England	NW 5-10	Moderate	Fair to overcast.	good	slight
6. South Wales	NW 10	"	Cloudy.	"	"
7. North Wales	NW 20-30	"	Cloudy, squally.	"	Moderate
8. N.W. England	NW 15-20	"	Dull, squally.	"	"
9. N. Midlands	N NW 10-20	"	Dull, some squalls.	ord.	"
10. N.E. England	NNW-WNW 20-35	"	Overcast, squally, some rain.	indiff.	r. rough
11. E. Scotland	NW 5-20	"	Dull, some squalls.	good	slight
12. S.W. Scotland	W NW 5-15	"	Fair or cloudy.	good	slight
13. Isle of Man	NNW 15-20	"	Fair or cloudy.	good	moderate
14. N. & N.W. Scotland	N NW 5-15	"	Dull, some mist.	fair	slight
15. Hebrides	N NNW 15	"	Fair to overcast.	ord.	"
16. Orkneys and Shetlands	NW 10	"	Overcast, some mist.	fair	"
17. N.W. Ireland	NNW 5-15	"	Fair or cloudy, squally.	good	"
18. N.E. Ireland	NNNW 10-15	"	Fair, some mist.	var.	"
19. S.E. Ireland	NW 0-10	r. cool	Fair.	good	"
20. S.W. Ireland	NW 0-10	"	Fine to cloudy.	good	smooth



## GENERAL INFERENCE from observations received up to 10 a.m.

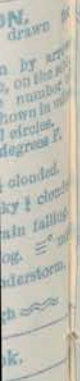
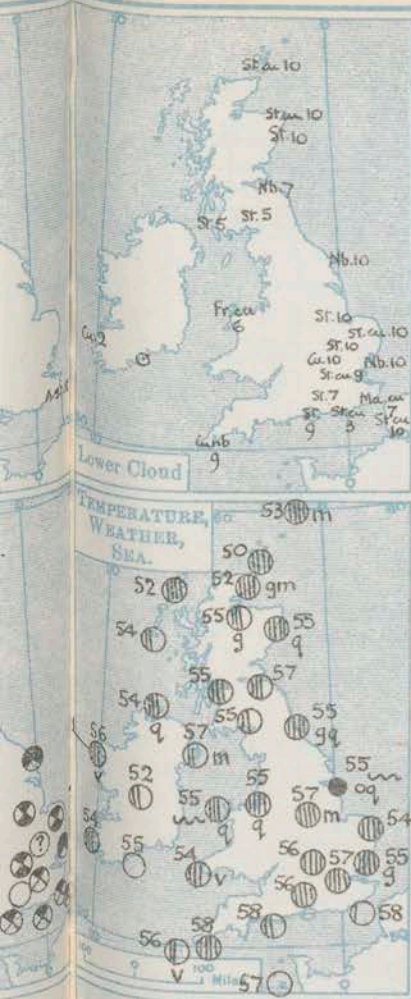
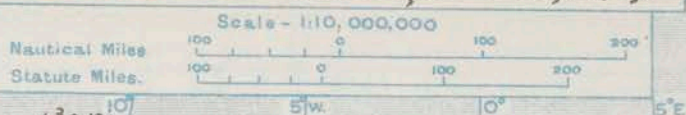
An anticyclone is situated off the SW of Ireland and a depression over the Netherlands. Winds between N and NW with cool weather are probable.

**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 & clouded. ☂ sky & clouded. ☔ rain falling. ☕ overcast sky. ☘ rain falling. \* snow. ▲ hail. ≡ fog. T thunder. R thunderstorm.  
**SEA DISTURBANCE.**—Rough. High.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday 23rd July, 1919	Further Outlook.
1. S.E. England	Moderate NW to N winds, fresh locally. Fair to dull, some showers. Good visibility. Cool.	Uncertain
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	Light or moderate winds between N and W. Fair to dull, some showers. Good visibility. Cool.	Uncertain
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		



SYNOPTIC CHART FOR MORNING OF Wednesday, 23<sup>rd</sup> July, 1919.



Scale of Surface Visibility.				
1.	Very Bad	Objects not visible beyond	200 metres.	
2.	Bad	"	500 "	(545 yards)
3.	Very Poor	"	1,000 "	(0·9 miles)
4.	Poor	"	2,000 "	(1·2 miles)
5.	Indist.	"	4,000 "	(4·5 "
6.	Fair	"	7,500 "	(4·2 "
7.	Good, above ord.	"	12,000 "	(7·5 "
8.	Very good, unusual	"	20,000 "	(12·8 "
9.	Exceptional, good	"	30,000 "	(18·6 "
10.	Objects visible beyond 30,000 metres, (18·6 miles.)			



WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 22nd July																			
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h. 21st.	Day. 9h-17h. 22nd.	to 17h. 22nd.	Sunrise to Sun-set. 21st.			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h. 21st.	Day. 9h-17h. 22nd.	to 17h. 22nd.	Sunrise to Sun-set. 21st.
Scotland.	Oban ... ..	c	o.c	59	50	-	-	1.9	5.0	England, N.W.	Douglas (I.O.M.)	*	*	59	51	1	0	8.0	7.8
	Banff ... ..	r	r	64	48	1	2	0.0	14.5		Blackpool ...	or	c.b.c	60	52	3	0	7.0	9.0
	Montrose ...	*	*	65	45	7	-	0.0	6.4		Southport ...	b.c.c	b.c.c.c	60	52	4	-	6.7	9.0
	St. Andrews ...	o	c	62	46	-	-	0.0	10.7										
England, N.E.	Harrogate ...	b	b.c	62	50	2	-	6.2	7.7	Midlands.	Buxton ... ..	c.b	b.c	57	48	5	0.2	5.3	6.9
	Skegness ...	b.b.c	b.c	65	53	6	-	5.2	9.4		Leamington Spa...	c	c	62	52	11	-	5.5	7.0
											Malvern ... ..	c	c	64	52	7	0.4	3.0	?
											Ross-on-Wye ...	o.m.c	b.c.c	69	54	3	0.3	5.8	2.2
England, E.	Felixstowe ...	or	b.c	69	53	8	1	3.5	11.4	Wales.	Rhyl ... ..	c.b.c	b.c.c	62	51	7	0.2	7.5	5.7
	Walton-on-Naze...										Colwyn Bay ...	*	*	61	51	9	-	6.7	5.0
	Southend-on-Sea...	or	c.b.c	65	55	4	3	2.5	9.3		Llandudno ...	b	c.b	61	51	12	-	7.2	3.3
											Aberystwyth ...	o.r.c	b.b.c	59	53	*	*	7.5	0.5
England, S.E.	Margate ... ..	or	b.c	64	55	3	3	3.5	10.6	England, S.W.	Weymouth ...	c.p	b.c	67	58	0.2	2	4.0	5.6
	Ramsgate ... ..	-	-	64	53	3	4	3.2	10.7		Teignmouth ...	b.c	b.c	66	58	-	-	6.5	?
	Folkestone ...	*	*	64	53	-	6	2.2	9.7		Torquay ... ..	c.o.p	o.c.b.c	65	58	-	1	5.6	0.3
	Hastings ... ..	o.m	o.r.b.c	63	55	1	8	2.6	8.8		Paignton ... ..	b.c.p	b	67	58	-	-	5.8	0.0
	Eastbourne ...	or	o.r.b.c	62	53	2	5	2.1	9.5		Penzance ... ..	o.m.c	o.m.o	66	59	1	0.2	0.5	1.0
	Brighton ... ..	*	*	63	56	0.4	5	2.3	8.2		Newquay ... ..	o.d.q	c.r	62	53	1	1	0.7	0.0
	Worthing ... ..	or	b.c	63	57	0.3	6	2.2	7.5		Bude ... ..	b.c.o.d	o.d.b.c	62	54	1	2	2.4	0.0
	Littlehampton ...	?	?	?	?	-	3	?	?		Ilfracombe ...	o.d.c	c.b.b.c	60	55	1	1	5.1	0.0
	Bournemouth ...	*	*	65	57	1	-	4.0	3.0		Weston-s-Mare ...	r.c.b.c	b.c.b	65	56	2	1	5.0	0.7

SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.		THE BEAUFORT SCALE OF WIND FORCE.		
STATIONS.		WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL.					
		7h-13h. 22nd.	13h-18h. 22nd.	18h-19h. 22nd.	19h-7h. 23rd.				Day. 7h-18h.			Night. 18h-7h.		
†Houton Bay (Orkney)...		o.r	o.f	o.g	o.g	54	46	*	*	*	*	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. i 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.	Limits of Velocity. No. 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 10.8-13.3 7 32-38 13.0-17.1 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
Eskdalemuir ...		b.c.c	b.c.c	c.b.c.c	o.c.b.c	63	50	38	-	-	7.3			
†Stranraer ...		o.g	o.g	p.d	o.d	63	48	*	*	*	*			
†Lough Foyle ...		b.c.c	c.v.o		c.o.g			*	*	*	*			
Valencia (Cahirveen) ...		o.r.c	c.b.c	b.c	b.w.c	63	46	42	2	-	6.7			
†Anglesey (Llangefni) ...		b.c.g	c.g	o.g	c.o.g	62	50	*	*	*	*			
Falmouth ...		o.d.g	o.d.c	b.b.w	b.w.c.o	64	51	42	1	-	2.8			
†Calshot (Hants) ...		b.c.p	b.c	b.c.p	c.o	65	53	*	*	*	*			
†Capei (Folkestone) ...		3	r	b.c	c.o.v	66	51	*	*	*	*			
Aberdeen ...		o.p	o.d.g	o.r	o.g	56	51	51	4	4	0.0			
†East Fortune ...		o.g	o.p	o.p	c.o	62	49	*	*	*	*			
†Flamborough Head ...		b.c.c	p.d	p	r	62	51	*	*	*	*			
†Felixstowe ...		o.r	b.c.p	b.c	c.o.g	67	53	*	*	*	*			
†Cranwell (Lincs) ...		b.c	c	c.p	o.r	64	53	*	*	*	*			
†Bedford ...		3	r	c.o	o.m.g	66	51	*	*	*	*			
Benson ...		o.r	b.c	c.o		65	54	54	5	0.1	*			
London (Kew Obs.) ...		o.o.r	b.c	b.c	b.c	66	55	49	4	-	6.9			

LONDON. OBSERVATIONS.		WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
		Morning	Afternoon.	Night.	15 h. G.M.T.	9 h. G.M.T.	YESTERDAY.	TO-DAY.	Vertical Component of Solar Radiation per Square Centimetre during yesterday.				Stations.	Sunrise.	Noon.	Sunset.
		24 HOURS ENDED 9h G.M.T. ... 23 <sup>rd</sup>											... 23 <sup>rd</sup> & 24 <sup>th</sup> July 1919.			
Greenwich (Royal Observatory)	a.c.r	c.b.c	o.b.c	67	54	45	3	6.6	56	74	Total ... 1173 ... Joules.  Milliwatts. Average Rate. 20.5 Maximum Rate. 84	Yarmouth... { Greenwich { Wick ... { Valencia ... {	G.M.T.	G.M.T.	G.M.T.	
City (Bunhill Row) ...	*	*	*	66	55	50	3	6.2	*	*						
Westminster (St. James's Park)	*	*	*	69	55	*	3	6.3	70	89						
" (Admiralty Arch)	o.m.c	b.c	b.c.o	68	54	51	3	5.8	48	76						
Camden Sq. (British Rainfall)	o.r.b.c	b.c	*	68	54	51	3	6.8	50	70						
Kensington Palace ...	r.b.c	b.c	*	66	54	45	3	*	*	77						

### NOTES ON THE WEATHER OF YESTERDAY.

Most sunshine was experienced in the NW England and Wales. Holyhead reported 8.5 hours of sunshine and the amount generally in those districts was over 7 hours. Temperatures remained low. The highest maximum reported was 69° from Felixstowe and Ross-on-Wye. Showers or rain were experienced in most districts during the morning and continued along the English Channel during the afternoon. Clifton reported 8mm of rain.





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

No. 21,063.B THURSDAY, 24<sup>TH</sup> JULY, 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. Dir.	Force 0-12.	Weather.	Temp. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.	Barom. at M.S.L. m.b.	† Change in 3 hours.	WIND. Dir.	Force 0-12.	Weather.	Temp. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.
	13H. G.M.T. OF 23 <sup>rd</sup>														18H. G.M.T. OF 23 <sup>rd</sup>													
Houton B. (Orkney)	1018.4	+2	NNW	3	of	52	98	1	4500	St	10	-	-	-	1019.4	+2	NNW	2	om	51	98	4	4500	St	10	-	-	3
Eskdalemuir	1017.3	+2	N	4	cy	66	55	6	45000	Cu	8	-	-	*	1018.1	+1	-	20	o	63	65	7	57000	St	10	-	-	*
Stranraer	1020.0	+1	NNW	5	bc	61	75	8	23000	St	4	Ac	1	*	1020.3	+1	NNW	4	cy	58	82	8	23000	St	6	Ac	2	*
Lough Foyle	1022.6	0	NW	5	c	58	87	8	142000	Cu	2	Ac	5	2	1023.3	+1	NW	3	o	55	82	8	15500	St	4	Ac	6	*
Valencia (Cahire'n)	1025.0	+1	-	0	o	60	87	8	121000	St	5	Ac	4	2	1025.1	+1	NNW	3	om	61	92	6	4500	St	10	-	-	3
Anglesey (Llangefni)	1020.4	+1	NNW	3	c	59	75	8	34000	St	3	C	3	4	1021.1	0	N	3	bc	57	75	8	34000	Cu	5	Ac	3	5
Falmouth	1021.9	0	NNW	5	bc	63	65	7	-	Cu	2	C	3	*	1021.6	-1	NNW	4	bc	61	65	8	-	St	1	C	1	*
Calshot (Hants)	1017.8	0	NNW	2	o	62	75	7	34000	St	10	-	-	4	1017.0	+1	NNW	3	o	65	65	7	23000	St	10	-	-	4
Capel (Folkestone)	1015.3	0	NNW	4	or	55	92	5	-	Nb	10	-	-	4	1014.6	0	NNW	6	or	56	87	5	15500	St	10	-	-	6
Aberdeen	1017.6	+2	NW	5	o	61	65	8	-	Cu	10	-	-	3	1018.7	+2	NW	4	o	58	75	8	-	St	10	-	-	3
East Fortune	1017.8	-2	NNE	2	o	60	75	7	57000	St	10	-	-	*	1019.0	+2	NE	1	o	60	75	7	45000	St	10	-	-	*
Flamborough Head	1013.6	+4	NNW	6	or	53	92	4	45000	St	10	-	-	*	1015.5	+4	N	6	or	53	92	5	45000	St	10	-	-	*
Felixstowe	1013.9	-1	NNW	5	o	58	87	5	142000	St	6	Ac	2	4	1013.9	+1	NW	6	o	56	82	5	23000	St	7	Ac	1	4
Cranwell (Lincs)	1015.6	+2	NNW	5	or	56	92	5	142000	Nb	10	-	-	*	1016.7	+2	N	6	c	57	87	7	23000	St	4	Ac	2	*
Bedford	1015.9	+1	NNW	4	om	58	75	8	23000	St	10	-	-	*	1016.3	+1	N	4	om	60	65	3	34000	St	10	-	-	*
Benson	1015.5	-1	NNW	4	o	64	75	5	-	*	*	*	*	*	1016.6	0	NNW	4	o	63	75	5	-	St	8	-	-	*
London (Kew Obs.)	1016.3	0	NNW	3	o	60	75	7	-	St	7	Ac	3	*	1015.9	-1	N	3	bc	62	65	6	-	St	5	Ac	1	*
1H. G.M.T. OF 24 <sup>th</sup>														7H. G.M.T. OF 24 <sup>th</sup>														
Houton B. (Orkney)	1019.5	?	NNW	4	or	50	?	?	?	Nb	10	-	-	-	1019.9	+1	NNW	6	of	50	98	0	-	-	-	-	-	?
Eskdalemuir	1021.0	+1	-	0	o	54	92	6	-	St	10	-	-	*	1021.5	0	-	0	o	55	87	8	122000	St	10	-	-	*
Stranraer	1021.1	+1	NNW	4	c	54	92	8	23000	St	7	-	-	*	1022.2	+1	NNW	3	o	55	92	8	122000	St	9	-	-	*
Lough Foyle	1022.6	0	NW	5	o	58	87	8	142000	St	6	Ac	2	4	1022.3	?	NW	2	o	56	?	?	142000	St	10	-	-	*
Valencia (Cahire'n)	1026.6	+1	NNW	5	o	58	87	8	142000	St	6	Ac	2	4	1026.2	0	N	2	o	60	98	7	142000	St	9	-	-	2
Anglesey (Llangefni)	1022.1	+1	-	0	o	51	92	8	15500	St	10	-	-	5	1022.4	+1	N	2	o	55	87	7	122000	St	8	Ac	1	4
Falmouth	1022.4	0	NW	4	bc	56	98	6	-	St	1	-	-	*	1022.7	+1	NW	2	bc	60	92	7	-	St	5	-	-	*
Calshot (Hants)	1020.4	+2	NW	3	o	59	92	6	23000	St	10	-	-	4	1020.1	+1	Nb	3	o	59	87	5	152000	St	10	-	-	4
Capel (Folkestone)	1016.2	+1	N	5	o	53	92	7	122000	St	10	-	-	5	1016.4	+3	N	4	o	53	82	7	-	St	10	-	-	4
Aberdeen	1020.2	0	NW	3	o	52	87	5	122000	St	10	-	-	*	1021.0	0	NW	4	c	54	85	8	-	St	8	-	-	3
East Fortune	1021.2	+2	-	0	o	55	92	8	45000	St	9	-	-	*	1021.8	0	ENE	1	o	55	75	7	23000	St	10	-	-	*
Flamborough Head	1018.3	+2	N	5	or	52	98	4	45000	St	10	-	-	*	1018.6	+1	N	5	om	53	92	4	15500	St	10	-	-	*
Felixstowe	1016.5	+1	N	4	o	54	87	3	45000	St	10	-	-	4	1016.8	+3	NW	4	o	55	87	5	23000	St	6	Ac	2	4
Cranwell (Lincs)	1018.5	+1	N	4	o	54	92	7	122000	St	10	-	-	*	1020.0	+1	N	4	o	54	92	6	122000	St	10	-	-	*
Bedford	1018.5	+1	N	4	o	54	92	7	122000	St	10	-	-	*	1020.0	+2	N	3	om	55	75	?	23000	St	10	-	-	*
Benson	1017.9	0	NNW	2	o	58	87	5	-	*	*	*	*	*	1019.8	+2	N	2	o	56	92	4	-	St	10	-	-	*
London (Kew Obs.)	1017.9	0	NNW	2	o	58	87	5	-	*	*	*	*	*	1019.3	+2	N	3	o	56	82	5	-	St	9	Ac	1	*
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																												
STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	WIND. Dir.	Force 0-12.	Weather.	Barometer at M.S.L. m.b.	Change in 3 hours.	Temperature. Temp. °F.	Change in 24 hours.	Wind. Dir.	Force 0-12.	Dir. 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 23 <sup>rd</sup>					7H. G.M.T. OF 24 <sup>th</sup>					24 HOURS ENDED 7H. OF 24 <sup>th</sup>											23 <sup>rd</sup>						
Lerwick	1017.3	54	W	3	om	1017.9	0	52	-1	NW	3	-	o	2	-	59	50	om	om	om	*							
Stornoway	1021.7	56	NNW	3	o	1024.0	H	52	0	NW	3	-	bc	1	-	56	51	o	o.c.o	c.bc	7.0							
Castlebay (Barras)	1022.7	55	NW	3	o	1024.3	H	54	0	NW	2	-	o	2	-	58	63	bc.o	o.c.o	o	7.1							
Glasgow	1019.1	66	NNW	2	c	1021.5	H	55	0	NW	2	-	b	*	-	71	52	c.bc.c	c.o.c	c.bc.c	6.3							
Main Head	1022.1	55	NW	3	c	1023.0	0	53	-1	NW	2	-	og	2	-	58	52	bcq	cp	c	5.0							
Blacksod Point	1023.6	59	NNW	2	opm	1025.2	H	58	+2	NW	1	-	ome	2	1	60	55	omw	om	od.ond	*							
Roche's Point	1023.0	60	NW	4	c	1024.5	0	60	+5	NNW	3	-	c	1	0.3	68	55	bc.o	c	c.p.	*							
Birr Castle	1023.7	63	W	1	c	1024.6	*	60	+8	NW	1	-	o	*	1	68	51	c	c	c.o.p.	8.1							
Donaghadee	1020.7	57	N	4	cmg	1022.5	+1	54	-3	NW	2	NW	bcz	2	-	61	52	bcw	bcw	cm	*							
Liverpool (Bidston)	1018.7	60	NW	4	bc	1021.3	+2	56	+1	W	3	-	o	2	-	62	55	bc	bc	c.o	8.0							
Holyhead	1020.6	59	NW	4	bc	1023.3	+1	55	0	NNW	4	N	bc	2	-	62	54	c.bc	bc	bc.c.g	10.5							
Penbroke (St Ann's Head)	1022.3	57	NNW	3	bcv	1023.0	H	57	+3	N	2	N	or	2	-	59	53	cv.bcv	bcv	bcv.or	11.5							
Scilly (St. Mary's)	1023.3	61	NNW	3	b	1023.9	0	60	+4	N	2	N	bc	3	-	64	54	bc	b	b.bc	13.6							
Jersey (St. Aubin)	1017.9	63	NW																									



# SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 24th July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N. 10-15	Rather cool	Dull.	Good	Slight
2. E. England	N-NNW: 10-15	"	Dull, local showers.	"	Mod.
3. E. Midlands	N: 5-10	"	Dull, local mist.	Fair	-
4. W. Midlands	E. 5-10	Moderate	Dull.	Ord.	-
5. S.W. England	N-NW: 5-10	"	Fair to overcast.	Good	Smooth
6. South Wales	N: 5	"	Cloudy.	"	"
7. North Wales	N-NNW. 5-15	"	Fair to overcast.	"	Slight
8. N.W. England	N-NW. 5-10	"	Dull.	"	Smooth
9. N. Midlands	N: 5-15	Rather cool	Cloudy.	Ord.	-
10. N.E. England	N. 10-20	"	Overcast, local mist.	Fair	Mod.
11. E. Scotland	Var. 0-15	Moderate	Dull.	Good	Smooth
12. S.W. Scotland	NNW. 0-10	"	Variable.	"	"
13. Isle of Man	NNW. 5	"	Cloudy.	"	"
14. N.&N.W.Scot- land	N-NW. 0-10	Rather cool	Cloudy.	Var.	"
15. Hebrides	NW. 5-10	Moderate	Fair to overcast.	Ord.	"
16. Orkneys and Shetlands	N-NW. 10-25	"	Overcast, some fog.	Var.	"
17. N.W. Ireland	NW. 0-5	"	Overcast, local mist.	"	"
18. N.E. Ireland	NW. 0-5	"	Fair to overcast.	Ord.	"
19. S.E. Ireland	NNW. 0-10	Rather warm	Dull.	Good	"
20. S.W. Ireland	N-NNW. 5-10	"	Dull.	"	"

Upper Cloud

Visibility

**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn for 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 & clouded.  
 ○ sky & clouded. ○ sky & clouded.  
 ○ overcast sky. ● rain falling.  
 \* snow. ▲ hail. ≡ fog.  
 T thunder. R thunderstorm.  
**SEA DISTURBANCE.**—  
 Rough High

GENERAL INFERENCE from observations received up to 10 a.m.

An anticyclone off the West of Ireland will cause Northerly winds with cool weather.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Thursday, 24th July, 1919
1. S.E. England	Light or moderate Northerly winds. Cloudy, local showers.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Cool.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Light or moderate N-NW. winds.
12. S.W. Scotland	
13. Isle of Man	
14. N.&N.W.Scot- land	
15. Hebrides	
16. Orkneys and Shetlands	Cloudy, local showers. Cool
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

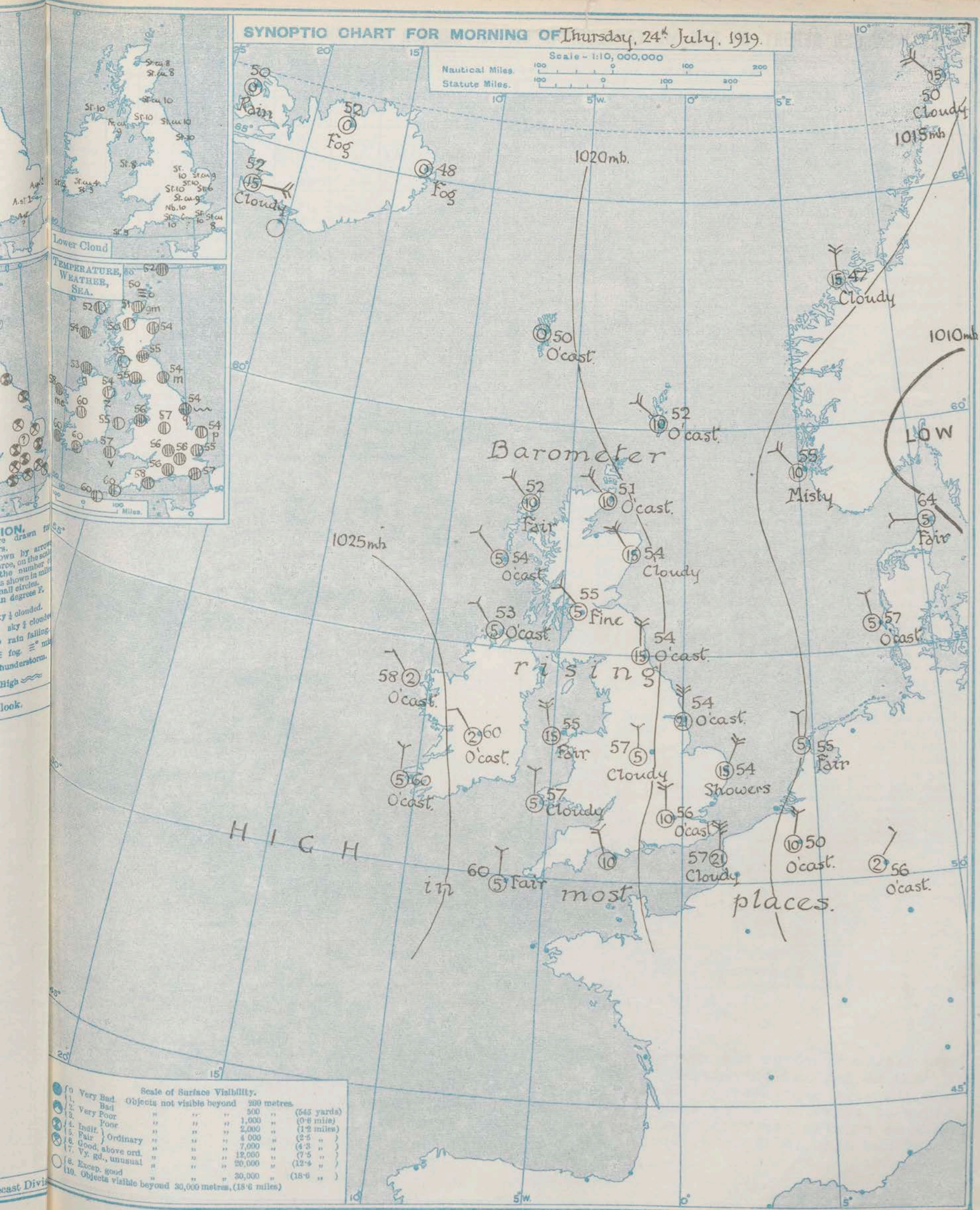
Further Outlook.

Witheld



# SYNOPTIC CHART FOR MORNING OF Thursday, 24<sup>th</sup> July, 1919.

Scale - 1:10,000,000  
Nautical Miles. 100 0 100 200  
Statute Miles. 100 0 100 200



Scale of Surface Visibility.

Symbol	Description	Objects not visible beyond	metres	(yards)
0	Very Bad		200	
1	Bad		500	(545 yards)
2	Very Poor		1,000	(0.6 mile)
3	Poor		2,000	(1.2 miles)
4	Indist.		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	Except. 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 205. B

Thursday,  
24th July

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 23 <sup>rd</sup> July																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-22h. 22 <sup>nd</sup>	Day, 23h-17h. 23 <sup>rd</sup>	to 17h. 23 <sup>rd</sup>	Sunrise to Sun-set. 22 <sup>nd</sup>			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-22h. 22 <sup>nd</sup>	Day, 23h-17h. 23 <sup>rd</sup>	to 17h. 23 <sup>rd</sup>	Sunrise to Sun-set. 22 <sup>nd</sup>
Scotland.	Oban ... ..	b6c	6c	62	53	-	-	5.5	1.9	England, N.W.	Douglas (I.O.M.)	+	*	61	52	-	-	9.3	8.0
	Banff ... ..	o	o	58	52	5	-	0.0	0.0		Blackpool ... ..	o	c	64	55	-	-	6.7	7.0
	Montrose ... ..	*	*	67	55	-	-	6.3	0.0		Southport ... ..	c b	b6c	63	55	-	-	7.7	6.7
	St. Andrews ... ..	b	c	64	55	-	-	4.4	0.0										
England, N.E.	Harrogate ... ..	o	c b6 o	61	54	-	-	0.1	6.2	Midlands.	Buxton ... ..	c b6 c	c. b6c	60	50	0.1	-	?	5.3
	Skegness ... ..	or	od	58	52	2	3	0.0	5.2		Leamington Spa ... ..	b6c	b6c	62	53	-	-	?	6.0
											Malvern ... ..	c	c	65	54	-	-	7.0	3.0
											Ross-on-Wye ... ..	o b6 o c	b6 o v c	69	50	-	-	4.7	7.3
England, E.	Felixstowe ... ..	o	op	60	56	1	1	0.9	5.6	Wales.	Rhyl ... ..	b6c	b6c	61	54	-	-	7.6	7.5
	Walton-on-Naze ... ..										Colwyn Bay ... ..	*	*	61	54	-	-	5.6	6.7
	Southend-on-Sea ... ..	opm	opm	59	53	-	1	0.0	3.9		Llandudno ... ..	b6c	b6c	62	52	-	-	8.5	7.2
											Aberystwyth ... ..	o. c	b. b6c	60	55	*	*	5.0	8.2
England, S.E.	Margate ... ..	c	or	60	54	3	3	0.1	4.9	England, S.W.	Weymouth ... ..	b6c	b6b	70	53	-	-	8.5	6.3
	Ramsgate ... ..	or	og	58	52	0.2	1	0.3	4.6		Teignmouth ... ..	b	b	66	53	-	-	12.0	9.0
	Folkestone ... ..	*	*	60	55	-	0.1	0.6	2.6		Torquay ... ..	b6c	b6b	66	51	-	-	10.8	8.6
	Hastings ... ..	b6o	c op	64	49	0.3	1	1.6	5.0		Paignton ... ..	b	b	66	49	-	-	11.5	6.8
	Eastbourne ... ..	b6o	or	65	51	-	0.4	4.1	4.4		Penzance ... ..	b6b	b	63	52	-	-	11.0	1.4
	Brighton ... ..	b6c	c. op	65	52	-	1	4.5	4.6		Newquay ... ..	b	b	60	54	-	-	10.5	2.8
	Worthing ... ..	o. b6c	b6c	65	51	-	-	2.5	4.4		Bude ... ..	c b6 c	c b6c	61	56	-	-	9.2	4.4
	Littlehampton ... ..										Ilfracombe ... ..	o. c	c b6c	63	55	-	-	6.6	7.5
	Bournemouth ... ..	*	*	68	58	3	-	8.0	5.3		Weston-s-Mare ... ..	b6c b6c	c	68	55	-	-	6.5	5.0

SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.			THE BEAUFORT SCALE OF WIND FORCE.		
STATIONS.		WEATHER.				Max. Temp. °F.		Min. Temp. °F.		Rainfall.		Sun. Hours.	No.	Limits of Velocity.	
		7h-13h.	13h-18h.	18h-23h.	1h-7h.	°F.	°F.	°F.	°F.	7h-13h.	18h-23h.			Statute miles per hour.	Metres per second.
†Houton Bay (Orkney)...	o	of	ofc	b6c f2	54	48	*	*	*	*	*	*	0	Less than 1	Less than 0.3
†Eskdalemuir ...	b6c cys	o3 o	o	o	67	50	49	-	-	-	-	7.4	1	1-3	0.3-1.5
†Stranraer ...	b6c cys	b6c cys	cys	c. o	63	53	*	*	*	*	*	*	2	4-7	1.6-3.3
†Lough Foyle ...	b6c cr	r	c. o	c. o	58	50	*	*	*	*	*	*	3	8-12	5.4-5.4
†Valencia (Cahiriveen) ...	c o	od o	o. d. o	o. e	61	54	58	-	-	0.4	0.5	*	4	13-18	5.5-7.9
†Anglesey (Llangefni) ...	b6c cys	b6c b6c	b6c o	oq	62	52	*	*	*	*	*	*	5	19-24	8.0-10.7
†Falmouth ...	b6c	b6c b6c	b. b6c	b. b6c	64	53	46	-	-	-	-	12.7	6	25-31	10.8-13.8
†Calshot (Hants) ...	o	c	b. c. o	b. o	67	53	*	*	*	*	*	*	7	32-38	13.9-17.1
†Capel (Folkestone) ...	o3 p	or	cr. or	o. e	61	51	*	*	*	*	*	*	8	39-46	17.2-20.7
Aberdeen ...	oq	oq c o	o. c	o. c	63	51	48	-	-	-	-	2.0	9	47-54	20.8-24.4
†East Fortune ...	cv	cv	c	o	62	52	*	*	*	*	*	*	10	55-63	24.5-29.4
†Framborough Head ...	oq	oq b6c	b6c	b6c	62	51	*	*	*	*	*	*	11	64-75	28.5-33.5
†Felixstowe ...	op	cp	odp	opd	65	53	*	*	*	*	*	*	12	Above 75	33.6 or above
†Cranwell (Lincs) ...	r	cr	c o	om	64	51	*	*	*	*	*	*			
†Bedford ...	odm	dpy	o	o	64	54	50	-	-	-	-	*			
Benson ...	oc	b6c	o	o	64	54	50	-	-	-	-	*			
London (Kew Obsy.) ...	o	oc	b6c o	b6c o	63	55	52	0.1	-	0.4	0.4	*			

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning	Afternoon	Night.					15 h. G. M. T.	9 h. G. M. T.						
	24 HOURS ENDED 9H G. M. T. ... 24 <sup>th</sup>							YESTERDAY.	TO-DAY.						
Greenwich (Royal Observatory)	0	0. d. 0	0. d. 0	62	54	53	trace	0.1	78	86	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Stations.	Sunrise.	Noon.	Sunset.
City (Bunhill Row) ...	*	*	*	*	*	*	*	0.5	*	*					
Westminster (St. James's Park)	*	*	*	64	56	55	-	0.5	85	87	Total ... 821 ... Joules.	Yarmouth ... {	4.2	11.59	7.56
" (Admiralty Arch)	comp	o. f. mag	o. q. am	65	56	55	-	0.5	72	78					
Camden Sq. (British Rainfall)	c	c. o. bc	*	65	55	54	-	1.8	76	81	Average Rate. 14.4	Wick ... {	3.47	12.18	8.49
Kensington Palace ...	o. f.	0	*	64	55	54	-	*	70.5	81					

## NOTES ON THE WEATHER OF YESTERDAY.

Little sunshine was recorded in NE., E. and SE. England but elsewhere fair amounts were experienced. Scilly had 13.6 hours of sunshine and Pembroke 11.2 hours. Rain or showers occurred down the east coast and also in Ireland. Spurn Head

reported 4 mm. of rain and Clacton 3 mm. Temperatures were again low. The highest maximum temperature reported was 70° which was reached at Littlehampton and Weymouth.





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

No 24064B Friday 25<sup>th</sup> July 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.		WEATHER.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	BAROM. at M.S.L. m.b.	† Change in 3 hours.	WIND.		WEATHER.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea		
			Direc.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Form.	Amt. 0-10.												
13H. G.M.T. OF 24 <sup>th</sup>													18H. G.M.T. OF 24 <sup>th</sup>																	
†Houton B. (Orkney)	1020.6	+2	NW	5	o	50	98	1	1500	St	10	-	-	4	1021.8	+2	NNW	4	of	50	98	0	1500	St	10	-	-	4		
Eskdalemuir ...	1020.1	-2	N	2	bcy	66	105	7	3-4000	Cu	4	-	-	*	1019.9	0	NE	2	bcy	64	55	6	-	-	-	Acu	2	*		
†Stranraer ...	1021.9	+1	NNW	2	b	64	65	8	-	-	-	Acu	1	*	1021.5	0	NNW	5	bv	60	75	8	4-5000	St	1	-	-	*		
†Lough Foyle ...	1025.0	0	NNW	2	o	55	87	8	4-1000	St	9	-	-	1	1021.9	0	NNW	4	o	55	87	8	2-3000	St	9	-	-	2		
Valencia (Cahire'n)	1025.9	0	NW	2	b	66	75	8	2-3000	Cu	6	-	-	2	1025.5	-1	NW	3	b	64	87	7	4-1000	Cu	3	-	-	3		
†Anglesey (Llangefni)	1022.5	0	N	3	o	60	65	8	5-7000	St	6	Acu	4	3	1022.0	0	NNW	3	b	60	65	8	-	-	-	Acu	3	4		
Falmouth ...	1022.6	0	N	4	bv	69	105	8	-	-	-	-	-	*	1021.7	-1	N	4	bv	64	55	7	-	-	-	-	-	*		
†Calshot (Hants) ...	1020.8	0	NE	1	o	64	75	6	3-4000	St	10	-	-	3	1021.0	0	WSW	1	or	60	92	-	4-1000	St	10	-	-	2		
†Capel (Folkestone)	1019.5	0	NNE	4	o	61	82	8	2-3000	St	9	-	-	4	1020.6	+1	NNE	2	or	55	92	5	4-1000	St	10	-	-	4		
1H. G.M.T. OF 25 <sup>th</sup>													7H. G.M.T. OF 25 <sup>th</sup>																	
†Houton B. (Orkney)	1025.1	+2	N	4	om	48	98	5	1-1500	St	10	-	-	-	1025.8	+1	N	4	o	49	92	5	1-1500	St	10	-	-	2		
Eskdalemuir ...	1022.9	+2	N	2	b	51	82	6	-	St	5	-	-	*	1023.9	+2	N	1	c	53	87	6	1-2000	St	8	-	-	*		
†Stranraer ...	1022.5	+1	-	0	b	53	98	*	3-4000	St	1	-	-	*	1023.5	+1	-	0	b	52	87	6	2-3000	St	1	-	-	*		
†Lough Foyle ...	1025.1	0	NNW	2	of	58	*	*	*	*	*	*	*	*	1025.7	+1	N	5	o	52	98	8	1-1500	St	10	-	-	2		
Valencia (Cahire'n)	1025.1	0	NNW	2	of	58	*	*	*	*	*	*	*	*	1024.6	0	NE	1	bw	60	82	8	2-3000	Cu	2	-	-	2		
†Anglesey (Llangefni)	1022.8	0	-	0	o	49	92	*	1-1500	St	10	-	-	3	1023.0	0	-	0	o	53	-	3	4500	St	10	-	-	3		
Falmouth ...	1022.1	0	N	2	bv	54	92	6	-	St	1	-	-	*	1021.8	0	N	3	b	59	87	7	-	-	-	-	-	*		
†Calshot (Hants) ...	1021.1	0	N	2	b	52	92	6	2-3000	St	3	-	-	4	1021.8	0	-	0	b	59	92	2	1-1000	St	10	-	-	0		
†Capel (Folkestone)	1021.1	0	N	2	b	52	92	6	2-3000	St	3	-	-	4	1020.6	0	N	3	ov	52	87	8	-	-	-	St	7	Acu	3	4
†Aberdeen ...	1022.2	+2	NNW	4	of	51	98	*	4500	Nb	10	-	-	*	1024.3	+2	NNW	4	o	53	75	7	-	-	-	St	10	-	-	3
†East Fortune ...	1022.8	+2	ENE	1	b	52	92	*	5-7000	St	5	-	-	*	1024.3	+2	NE	3	b	56	75	6	2-3000	St	4	-	-	-	*	
†Falmouth H&A	1020.9	-1	NNW	4	od	52	92	*	1-1500	St	9	-	-	*	1021.1	0	N	4	od	52	92	5	1-1500	St	10	-	-	-	*	
†Felixstowe ...	1021.7	0	NW	2	c	52	98	5	5-7000	St	5	-	-	3	1021.6	0	NNW	3	o	54	82	4	5-7000	St	9	-	-	-	2	
†Cranwell (Lincs)	1021.5	0	-	0	o	53	92	4	2-3000	St	10	-	-	*	1021.7	+1	N	4	c	54	87	6	2-3000	Nb	4	Acu	3	-	*	
†Bedford ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1022.0	+1	NNW	1	om	54	82	3	1-2000	St	10	-	-	-	*	
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.5	+2	-	0	o	54	98	4	-	-	-	St	10	-	-	*
London ...	1021.5	0	-	0	or	57	*	*	*	*	*	*	*	*	1022.2	+2	NE	1	om	55	92	4	-	-	-	St	8	Acu	2	*
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																														
STATIONS.	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND.		WEATHER.	BAROMETER.		TEMPERATURE.		WIND.		DIREC. of Upper Cloud.	WEATHER.	SEA.	REINFAILL. mm.	TEMP.		WEATHER.			SUNSHINE Hours.									
			at M.S.L. m.b.	† Change in 3 hours.		TEMP. °F.	Change in 24 hours.	Direc.	Force 0-12.	Max. °F.	Min. °F.					Morning.	Afternoon.	Night.												
18H. G.M.T. OF 24 <sup>th</sup>													7H. G.M.T. OF 25 <sup>th</sup>																	
Lerwick	1021.8	53	NNE	4	om	1024.9	+1	51	-1	NNE	5	N	c	4	-	57	50	cm	om	cm	*									
Stornoway	1025.2	54	NNW	4	o	1027.2	+1	52	0	N	3	-	o	1	-	56	51	bco	o	o	3.7									
Castlebay (Barra)	1025.3	56	NW	3	o	1026.2	0	52	-2	NE	2	-	o	2	-	57	51	o	o	o.c.o	32.6									
Glasgow	1020.4	69	NW	2	cv	1023.9	+2	55	0	-	0	-	b	*	-	73	49	bco	bco	cv.bzw	13.6									
Malin Head	1024.2	56	N	3	c	1024.7	0	52	-1	NNE	3	-	om	3	-	58	52	b	b	om	4.8									
Blacksod Point	1025.3	60	NW	2	omg	1025.4	+1	56	-2	NE	2	NE	bcy	2	0.2	64	54	ame	omg	om.ond	*									
Roche's Point...	1024.2	65	NNW	3	o	1024.5	0	57	-3	NW	2	-	o	1	-	70	55	co	oco	o	*									
Birt Castle	1023.7	65	NW	2	o	1025.0	*	54	-6	N	2	-	o	*	-	66	52	co	oco	o	0.4									
Donaghadee	1022.3	59	NNE	4	bm	1024.0	+2	58	+4	NNE	3	-	bm	3	-	62	52	bco	b	bm	*									
Liverpool (Bidston)	1021.0	60	NNW	3	b	1022.7	+1	54	-2	W	1	-	o	1	-	63	53	b	b	bc.c	6.7									
Holyhead	1022.2	59	NW	4	bv	1022.4	+1	59	-4	N	2	-	b	1	-	63	53	bcc	cbc	b.bf	8.6									
Pembroke (St. Ann's Head)	1022.7	59	N	3	cv	1022.8	0	55	-2	N	3	-	bv	2	-	66	50	cv	br	cv.bv	8.5									
Scilly (St. Mary's)	1023.4	63	NNE	2	b	1022.9	0	60	0	N	1	N	bc	2	-	65	57	bcc	c	bcc.b	8.1									
Jersey (St. Aubin)	1021.1	61	NW	3	c	1021.8	0	59	+1	NNE	2	-	c	2	-	63	55	bcc	c	o.c	*									
Portland Bill	1019.5	59	NNE	3	c	1021.1	+1	53	-4	N	3	-	c	3	-	64	48	c	c	cd.bcc	*									
Dungeness	1021.9	52	NW	4	omc	1025.2	+1	52	+1	N	3	-	omg	3	-	55	50	odmg	omg	omdg	*									
Wick	1022.3	58	NNW	3	c	1025.8	*	53	+3	N	2	-	bc	2	-	60	49	bco	cg	ucg.bc	1.0									
Nairn	1020.0	64	E	1	b	1023.0	0	57	+2	E	1	-	bc	1	-	66	51	o.c.bcc	b	b.bz.b	*									
Tynemouth	1020.8	60	-	0	b	1022.6	+3	53	-1	NE	5	-	omg	4	-	61	52	cm	b	om.om	*									
Spurn Head	1020.3	58	N	3	b	1021.3	0	54	0	NW	4	-	opd	4	1	59	52	cg	b	bc.opd	4.7									
Yarmouth (Gorleston)	1017.8	57	N	3	c	1019.5	0	54	0	N	2	-	cp	2	1	60	51	cp	op	bc.cp	0.8									
Clacton-on-Sea	1020.1	58	NNW	2	o	1021.1	0	54	-1	NW	3	-	og	2	-	62	48	co	o	o.c.og	1.9									
Nottingham	1020.5	61	SSE	1	og	1022.6	*	55	-2	NE	2	NE	oz	*	Trace	65	54	co	co	op	1.9									

† 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. Friday, 25th July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NE 0-10	r. cool	Dull, some mist & fog.	var.	slight
2. E. England	N-NW 5-10	" "	Dull, some rain.	indiff.	smooth
3. E. Midlands	Var. 0-5	" "	O'cast, some mist or haze.	"	---
4. W. Midlands	" 0-5	" "	Cloudy.	Ord.	----
5. S.W. England	N 0-10	Moderate	Fine to cloudy.	good	smooth
6. South Wales	N 5-10	"	Fine.	"	"
7. North Wales	Var. 0-5	"	Variable.	var.	"
8. N.W. England	" 0-5	r. cool	Dull.	ord.	"
9. N. Midlands	" 0-10	" "	Dull.	"	----
10. N.E. England	NNE-NNW 10-20	r. "	Dull, slight rain, squally.	Fair	Moderate
11. E. Scotland	N-NE 5-15	Moderate	Fair, to o'cast, slight local fog	var.	slight
12. S.W. Scotland	Var. 0-5	"	Fine to cloudy.	good	"
13. Isle of Man	" 0-10	"	Fair.	ord.	smooth
14. N. & N.W. Scotland	N-NE 0-10	"	Fair to o'cast, some mist.	var.	"
15. Hebrides	N-NE 5-10	"	Overcast.	ord.	"
16. Orkneys and Shetlands	NNE-NNW 15-20	"	Dull.	fair	slight
17. N.W. Ireland	N-NE 5-15	"	Fair to o'cast, some mist.	good	smooth
18. N.E. Ireland	N-NE 5-10	"	Variable.	ord.	slight
19. S.E. Ireland	N 0-5	"	Dull.	good	smooth
20. S.W. Ireland	NE-NW 0-5	"	Variable.	good	smooth

GENERAL INFERENCE from observations received up to 10 a.m.

An anticyclone over the North-east Atlantic is drifting slowly northward. Light winds between N and NE with fair to dull weather are probable.

**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 small circles per hour by figures in small circles.  
**TEMPERATURE.**—Temperature is given in degrees F.  
**WEATHER SYMBOLS.**  
 ○ clear sky. ○ sky 1 clouded.  
 ○ sky 2 clouded. ○ sky 3 clouded.  
 ○ overcast sky. ● rain falling.  
 \* snow. ▲ hail. ≡ fog. ≡ thunder.  
**SEA DISTURBANCE.**—  
 Rough High

Further Outlook.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 25th July, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light N-NE winds. Fair to dull, showers or slight rain locally. Rather cool.	
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Light N-NE winds. Variable cloud. Moderate temperature.	Witheld
10. N.E. England 11. E. Scotland	Same as districts 1 - 3	
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Same as districts 4 - 9	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light NE winds. Variable cloud, local showers. Moderate temperature.	



# SYNOPTIC CHART FOR MORNING OF Friday, 25<sup>th</sup> July, 1919.

Scale - 1:10,000,000  
Nautical Miles. 100 0 100 200  
Statute Miles. 100 0 100 200





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 206. B

Friday  
25th July, 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 24 <sup>th</sup> July																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-24h. 23 <sup>rd</sup>	Day, 24h-17h. 24 <sup>th</sup>	to 17h. 24 <sup>th</sup>	Sunrise to Sunset. 23 <sup>rd</sup> -24 <sup>th</sup>			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-24h. 23 <sup>rd</sup>	Day, 24h-17h. 24 <sup>th</sup>	to 17h. 24 <sup>th</sup>	Sunrise to Sunset. 23 <sup>rd</sup> -24 <sup>th</sup>
Scotland.	Oban ... ..	bc b	b	64	51	-	-	12.0	6.6	England, N.W.	Douglas (I.O.M.)	*	*	63	52	-	-	7.8	9.3
	Banff ... ..	o	o	56	52	-	-	0.0	0.0		Blackpool ... ..	o bc	b	65	56	-	-	6.5	6.7
	Montrose ... ..	*	*	67	48	-	0.3	9.5	7.7		Southport ... ..	o.c.bc.b	b	63	56	-	-	5.5	8.5
	St. Andrews ...	b	c	63	52	-	-	10.5	4.4										
England, N.E.	Harrogate ... ..	o	bc.o	62	52	-	-	2.1	0.6	Midlands.	Buxton ... ..	bcg	bc	62	53	-	-	0.1	?
	Skegness ... ..	od.o	c bc	58	53	1	0	1.9	0.0		Leamington Spa...	o.c.b	c.b	64	54	-	-	0.8	?
											Malvern ... ..	o.c	bc.b	66	54	-	-	6.0	7.0
											Ross-on-Wye ...	o.c	c.o	69	51	-	-	2.6	5.6
England, E.	Felixstowe ... ..	bc	om	63	52	-	-	2.4	0.9	Wales.	Rhyl ... ..	c	c.bc.b	61	55	-	-	4.3	8.7
	Walton-on-Naze...										Colwyn Bay ... ..	*	*	63	54	-	-	3.5	8.7
	Southend-on-Sea...	c.o	op	62	53	-	-	2.5	0.0		Llandudno ... ..	c	bc	62	53	-	-	4.0	10.3
											Aberystwyth ...	c.b	b.bc	62	56	*	*	9.5	7.0
England, S.E.	Margate ... ..	c.bc	bc c	61	54	-	-	2.8	0.1	England, S.W.	Weymouth ... ..	c	c.o	71	55	-	-	9.7	10.6
	Ramsgate ... ..										Teignmouth ... ..	b	bc	70	55	-	-	7.5	13.5
	Folkestone ... ..	*	*	63	52	-	-	2.5	0.6		Torquay ... ..	b	bc c bc	69	55	-	-	8.6	13.6
	Hastings ... ..	bc.o	o	62	53	2	-	1.6	1.7		Paignton ... ..								
	Eastbourne ... ..	bc	o	65	53	0.3	0	6.5	4.6		Penzance ... ..	bc b	b	70	54	-	-	9.2	13.0
	Brighton ... ..	c.o	o	63	56	-	-	3.8	5.5		Newquay ... ..	b	b	63	56	-	-	10.9	12.9
	Worthing ... ..	o.c	c	63	56	-	-	3.1	2.8		Bude ... ..	b	b	65	53	-	-	11.0	11.4
	Littlehampton ...	o.bc	o	70	57	-	-	2.4	?		Ilfracombe ... ..	b	bc	64	57	-	-	10.4	8.0
	Bournemouth ...	*	*	72	62	-	-	4.8	8.5		Weston-s-Mare ...	o.c.bc	bc.c	68	57	-	-	2.5	7.8

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.		THE BEAUFORT SCALE OF WIND FORCE.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	RAINFALL.		Sun. Hours.	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, i 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.	Limits of Velocity.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	7h-13h24 <sup>h</sup>	13h-18h24 <sup>h</sup>	18h24 <sup>h</sup> -1h25 <sup>h</sup>	1h-7h25 <sup>h</sup>				Day. 7h-13h	Night. 13h-7h																							No.	Statute miles per hour.	Metres per second.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
†Houton Bay (Orkney)...	oqf	oqf	cf	om <sub>2</sub>	52	48	*	*	*	*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp.	Min. Temp.	Min. on Grass.	Rain- fall.	Sun- shine to Sunset.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.							
	Morning	Afternoon.	Night.	° F.	° F.	° F.	inches.	Hours.	15 h. G.M.T.	9 h. G.M.T.										
	24 HOURS ENDED 9H G.M.T. 25 <sup>th</sup> July								YESTERDAY.		TO-DAY.				25 <sup>th</sup> 9.26 <sup>th</sup> July 1919.					
Greenwich (Royal Observatory)	0	0.0	0.0d	61	52	42	1	0.1	85	92	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Stations.	Sunrise.	Noon.	Sunset.					
City (Bunhill Row) ...	*	*	*	63	52	52	1	0.1	88	88						G.M.T.	G.M.T.	G.M.T.		
Westminster (St. James's Park)	*	*	*	63	52	52	1	0.1	88	88										
Admiralty Arch	om	om.02	0.07.0d	63	54	*	1	0.1	68	78	Total ..... Joules.	Yarmouth ... {	4.3	11.59	7.54					
Camden Sq. (British Rainfall)	0	0.0	*	66	53	49	1	0.2	76	82						Greenwich {	4.14	12.6	7.56	
Kensington Palace ...	0	0	*	64	52	44	2	*	*	88.										Wick ... {
											Average Rate. —		Valencia ... {	4.54	12.47					
											Maximum Rate. —									

NOTES ON THE WEATHER OF YESTERDAY.

Most sunshine was recorded in south-west England and locally in Scotland. Falmouth had 13.1 hours bright sunshine. Local showers and drizzle were experienced in the eastern districts. Spurn Head and Yarmouth each reported 1mm of rain. Temperatures still remained low. The highest maximum temperature reported was 73° from Glasgow; the highest temperatures at Bournemouth and Weymouth also exceeded 70°.

† Air Ministry Station.

\* Information for these columns not usually received.





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

No 21,065B SATURDAY, 26<sup>TH</sup> JULY, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 19H.																												
STATIONS.	BAROM.	†	WIND.		Weather	TEMP.	HUMIDITY.	VISIBILITY.	Height	Low Cloud.		Upper Cloud.		Sea	BAROM.	†	WIND.		Weather	TEMP.	HUMIDITY.	VISIBILITY.	Height	Low Cloud.		Upper Cloud.		Sea
	at	Change	Dir.	Force		°F.	%	0-10.	Feet.	Form.	Amt.	Form.	Amt.	0-9.	at	Change	Dir.	Force		°F.	%	0-10.	Feet.	Form.	Amt.	Form.	Amt.	0-9.
	M.S.L.	in 3 hours.		0-12.							0-10.		0-10.		M.S.L.	in 3 hours.		0-12.							0-10.		0-10.	
13H. G.M.T. OF 25 <sup>th</sup>															18H. G.M.T. OF 25 <sup>th</sup>													
†Houton B. (Orkney)	1026.0	+1	N	4	o	52	82	6	1-1500	St Cu	7	As	2	2	1026.1	0	N	5	o	52	82	5	1-1500	St	10	-	-	2
Esksdalemuir ...	1023.4	0	NNE	2	by	67	58	7	-	Fr Cu	1	-	-	*	1023.8	0	ENE	3	bc	62	65	8	-	St Cu	4	-	-	*
†Stranraer ...	1024.2	0	NNW	3	b	68	65	8	3-4000	Cu	1	-	-	*	1023.9	0	NNW	3	b	63	62	8	3-4000	Cu	1	-	-	*
†Lough Foyle ...	1026.7	0	NNW	3	o	54	92	4	1-1500	St	10	-	-	1	1026.3	-1	NW	2	o	53	92	4	1-1500	St	10	-	-	1
Valencia (Cahire'n)	1024.6	0	N	2	b	67	65	10	3-4000	Cu	3	-	-	2	1024.7	+1	SSE	4	b	65	75	8	3-4000	Cu	3	-	-	2
†Anglesey (Llangefni)	1023.3	0	NE	2	bc	65	55	6	5-7000	Fr Cu	5	Cu	1	3	1024.4	0	NE	2	b	62	65	8	-	-	-	-	3	
Falmouth ...	1022.7	+2	SE	1	b	66	55	7	-	Cu	2	-	-	*	1022.5	0	SSE	2	bcy	64	65	6	-	-	As Cu	1	3	
†Calshot (Hants) ...	1022.4	0	ESE	3	b	61	82	6	5-7000	Cu	3	-	-	5	1022.8	0	ENE	1	bc	62	82	5	2-3000	St Cu	4	As Cu	1	3
†Capel (Folkestone)	1022.4	+1	N	3	ov	57	82	8	2-3000	St Cu	10	-	-	2	1022.6	0	NNE	2	od	56	82	6	2-3000	St	10	-	-	3
Aberdeen ...	1024.9	+1	NNW	4	c	58	55	7	-	St	7	-	-	3	1025.1	0	NNW	4	c	58	65	7	-	St	8	-	-	3
†East Fortune ...	1023.5	+1	ENE	3	b	61	65	7	2-3000	St Cu	1	-	-	*	1025.1	0	ESE	3	b	58	65	6	3-4000	St	2	-	-	*
†Flamborough Hd	1022.8	+3	N	5	o	54	82	6	1-1000	St	10	-	-	*	1023.1	+1	N	5	od	52	87	6	1-2000	St	10	-	-	*
†Felixstowe ...	1022.6	+1	WNW	4	cd	57	82	6	2-3000	St	8	-	-	3	1023.0	+1	NNW	4	o	56	87	5	1-2000	St	10	-	-	3
†Cranwell (Lincs)	1023.3	+1	N	3	o	56	82	5	1-1500	St	10	-	-	*	1023.3	0	NNE	3	o	57	82	6	3-4000	St Cu	9	-	-	*
†Bedford ...	1023.1	+2	NNE	3	om	59	65	3	2-3000	St	10	-	-	*	1023.3	+1	NNE	2	om	57	65	3	2-3000	St	10	-	-	*
Benson ...	1022.0	+1	-	0	o	65	75	5	-	-	-	-	-	*	1023.0	0	NE	1	c	61	75	4	-	St	5	-	-	*
London (Kew Ob.)	1022.9	0	N	1	cy	61	75	5	-	St Cu	8	As	2	*	1023.2	0	NNE	2	bcy	59	75	6	-	St Cu	4	As Cu	2	*
1H. G.M.T. OF 26 <sup>th</sup>															7H. G.M.T. OF 26 <sup>th</sup>													
†Houton B. (Orkney)	1025.8	0	N	4	o	46	98	1	1-1500	St	10	-	-	3	1025.5	-1	N	5	o	47	98	7	1-1000	St Cu	9	-	-	3
Esksdalemuir ...	1025.8	0	N	2	bm	48	92	5	-	St Cu	3	-	-	*	1024.9	0	NNE	1	om	50	92	5	1-1500	St	10	-	-	*
†Stranraer ...	1024.7	0	-	0	bc	53	98	*	2-3000	St	1	-	-	*	1024.4	-1	-	0	om	53	98	5	4500	St	10	-	-	*
†Lough Foyle ...	1025.8	0	WNW	1	bc	53	*	*	*	*	*	*	*	*	1025.4	0	NNE	1	of	54	98	0	4500	St	10	-	-	0
Valencia (Cahire'n)	1025.8	0	WNW	1	bc	53	*	*	*	*	*	*	*	*	1025.4	0	NNE	1	of	54	98	0	4500	St	10	-	-	0
†Anglesey (Llangefni)	1024.8	+2	-	0	b	49	92	*	-	-	-	-	-	2	1024.7	0	-	0	o	54	92	5	2-3000	St	4	As Cu	6	3
Falmouth ...	1024.0	0	NNW	2	bc	57	82	5	-	St	4	-	-	*	1024.5	0	-	0	em	57	98	4	-	-	-	As Cu	4	*
†Calshot (Hants) ...	1025.1	+2	-	0	om	59	87	4	1-2000	St	10	-	-	4	1025.2	0	-	0	b	61	87	5	-	-	-	-	3	
†Capel (Folkestone)	1025.1	+2	-	0	om	59	87	4	1-2000	St	10	-	-	4	1025.2	0	-	0	b	61	87	5	-	-	-	-	3	
Aberdeen ...	1024.5	0	NNW	2	od	48	92	4	1-1000	Nb	10	-	-	*	1024.5	-1	NW	4	r	50	87	7	-	Nb	9	-	-	3
†East Fortune ...	1025.9	-1	E	1	me	52	87	*	-	-	-	-	-	*	1024.9	-1	-	0	CZ	55	82	5	4-5000	St Cu	7	-	-	*
†Flamborough Hd	1023.4	+1	N	4	o	51	75	5	1-1500	St Cu	9	-	-	*	1023.4	0	N	6	org	50	92	6	1-1500	St	10	-	-	*
†Felixstowe ...	1024.0	+2	NNW	3	o	52	87	*	2-3000	St	10	-	-	3	1024.3	0	NNW	2	o	52	87	5	1-2000	St Cu	10	-	-	3
†Cranwell (Lincs)	1025.3	0	NNW	2	c	46	98	5	2-3000	St	8	-	-	*	1024.4	-2	NW	2	o	50	92	5	1-1500	Nb	6	As	4	*
†Bedford ...	1025.3	0	NNW	2	c	46	98	5	2-3000	St	8	-	-	*	1024.8	0	N	2	om	52	65	1	4-5000	St	10	-	-	*
Benson ...	1025.3	0	NNW	2	c	46	98	5	2-3000	St	8	-	-	*	1025.3	+1	N	1	b	55	92	4	-	Cu	2	-	-	*
London (Kew Ob.)	1024.5	0	N	1	bc	55	*	*	*	*	*	*	*	*	1024.8	0	NNE	2	b	53	75	5	-	St Cu	2	As Cu	1	*
STATIONS CONTRIBUTING REPORTS AT 7H AND 19H.																												
STATIONS.	BAROM.	TEMP.	WIND.		Weather	BAROMETER.	TEMPERATURE.	WIND.		Weather	SEA.	TEMP.		WEATHER.		Sunshine												
	at	°F.	Dir.	Force		at	Change	Dir.	Force		0-9.	Max.	Min.	Morning.	Afternoon.		Night.											
	M.S.L.			0-12.		M.S.L.	in 8 hours.		0-12.			°F.	°F.				Hours.											
19H. G.M.T. OF 25 <sup>th</sup>															7H. G.M.T. OF 26 <sup>th</sup>													
Lerwick ...	1024.8	52	NNE	5	om	1022.9	-1	N	5	-	om	4	0.3	54	48	om	omp	8.9										
Stornoway ...	1026.6	55	N	3	b	1026.9	0	N	3	-	o	1	-	58	50	o. b	b. o	8.7										
Castlebary (Barra Is)	1025.6	59	NW	4	bc	1024.6	0	NE	2	-	b	2	-	61	51	o. b	b	8.7										
Glasgow ...	1023.5	65	ENE	3	cy	1024.7	0	ENE	1	-	b	*	-	77	46	bx	bc. cz	11.3										
Malin Head ...	1025.3	54	N	2	og	1024.5	-1	N	2	-	og	2	-	55	51	um	om	0.0										
Blacksod Point	1025.5	57	N	2	og	1025.3	0	NNW	1	-	ome	2	Trace	59	53	c. o	og	*										
Roche's Point...	1025.0	62	SE	2	b	1025.1	0	N	1	N	b	1	Trace	64	54	o. bc b	b	*										
Birr Castle ...	1024.2	68	N	1	c	1025.3	*	N	1	-	f	*	-	72	51	c	c	8.7										
Donaghadee ...	1024.2	59	NE	3	bm	1024.4	0	ENE	2	-	f	2	-	63	51	bm	bm. of	*										
Liverpool (Bidston)	1023.2	64	NW	3	b	1023.9	0	SSE	2	SW	bc	2	-	66	52	b	b	10.4										
Holyhead ...	1023.8	63	NNW	3	by	1023.9	0	N	2	-	bcn	0	-	67	51	bm	b. bcn	13.1										
Pembroke (St. Ann's Head)	1023.8	63	N	3	b	1024.5	+1	NE	0	-	bx	0	-	67	51	b	b	14.3										
Scilly (St. Mary's)	1023.6	61	NNE	3	b	1024.4	0	NE	1	-	f	2	0.1	64	56	bc	bmfe	13.2										
Jersey (St. Aubin)	1022.0	61	E	1	b	1024.2	0	-	0	-	me	1	-	65	55	c. bc	bc b	*										
Portland Bill ...	1021.7	59	NNE	2	c	1023.4	0	N	3	N	c	3	-	64	52	c	c	*										
Dungeness ...	1021.7	59	NNE	2	c	1023.4	0	N	3	N	c	3	-	64	52	c	c	*										
Wick ...	1025.8	52	N	3	ome	1024.9	0	NW	3	-	omg	3	-	56	47	omg cm	omg	*										
Nairn ...	1025.5	58	E	3	b	1025.5	*	W	1	-	cg	1	-															



# SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 26th July, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NE. 0-10	Rather Cool	Variable cloud, Overcast.	Good	Slight
2. E. England	N. 5-10	Cool	Overcast.	Fair	"
3. E. Midlands	N. 0-5	R. Cool	Variable cloud, local mist.	Var.	"
4. W. Midlands	Var. 0-5	Moderate	" " "	Indiff.	"
5. S.W. England	Var. 0-5	"	" cloud, some mist or fog.	Var.	Smooth
6. South Wales	" 0-5	"	Fine.	Fair	Calm
7. North Wales	" 0-5	"	Fair to overcast, some mist.	"	Smooth
8. N.W. England	" 0-5	"	Fair.	Ord.	"
9. N. Midlands	N. 5-10	R. Cool.	Dull.	"	"
10. N.E. England	N. 10-20	" "	Overcast, some rain, mist & squalls.	Fair	Mod.
11. E. Scotland	NE-NW. 0-10	Moderate	Dull, some mist or fog.	"	Smooth
12. S.W. Scotland	Var. 0-5	R. Cool.	Variable cloud, some mist.	"	"
13. Isle of Man	" 0-5	Moderate	Cloudy.	"	"
14. N. & N.W. Scotland	NE-NW. 0-10	R. Cool.	" some mist.	"	"
15. Hebrides	N-NE. 5-10	Moderate	Variable cloud.	Ord.	"
16. Orkneys and Shetlands	N-NNW. 15-20	"	Overcast.	Good	Mod.
17. N.W. Ireland	N. 0-5	"	" some mist	Var.	Smooth
18. N.E. Ireland	N-NE. 0-5	"	Dull, some fog.	"	"
19. S.E. Ireland	N. 0-5	"	Variable cloud, some fog	"	Calm
20. S.W. Ireland	N. 0-5	"	" " " "	"	"



GENERAL INFERENCE from observations received up to 10 a.m.

An anticyclone lies to the North-west of the British Isles over which the pressure is very uniform. Light winds with fair to cloudy weather are probable.

**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn for 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 + clouded.  
 ⊙ sky + clouded. ⊙ sky + clouded.  
 ⊕ overcast sky. ⊕ rain falling.  
 \* snow. ▲ hail. = fog. = mist.  
 T thunder. E thunderstorm.  
**SEA DISTURBANCE.**—  
 Rough ~~~~~ High ~~~~~

Districts.	Forecasts for the 24 hours commencing 3 p.m. Saturday, 26th July, 1919.
1. S.E. England	Light Northerly breezes. Fair or cloudy. Moderate temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	Light winds mainly between N. and E. Fair or fine. Some coastal mist or fog. Moderate temperature.
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	Some as district 1 - 3.
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Some as district 4 - 8.
12. S.W. Scotland	
13. Isle of Man	Light or moderate winds between NE. and NW. Fair to dull. Mist locally. Moderate temperature.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Light winds between N. and E. Variable cloud. Some mist or fog. Moderate temperature.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook.

Fair or fine weather is likely to continue beyond the normal forecast period of 24 hours.



SYNOPTIC CHART FOR MORNING OF *Saturday, 26<sup>th</sup> July, 1919.*

Scale - 1:10,000,000

Nautical Miles  
Statute Miles.



Scale of Surface Visibility.				
Objects not visible beyond 200 metres.				
10	Very Bad			
9	Bad		500	(546 yards)
8	Very Poor		1,000	(914 miles)
7	Poor	20	2,000	(1.2 miles)
6	Indit	30	4,000	(4.2 "
5	Fair	40	7,000	(7.5 "
4	Good, above ord.	50	12,000	(12.4 "
3	Y. gd., unusual	60	20,000	(20.6 "
2	Except good	70	30,000	(30.6 "
1	Objects visible beyond 30,000 metres. (18.6 miles)			



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No 207 B

Saturday, 26th July 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 25 <sup>th</sup>																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 24 <sup>th</sup>	Day. 9h-17h. 25 <sup>th</sup>	to 17h. 25 <sup>th</sup>	Sunrise to Sun- set. 24 <sup>th</sup>			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 24 <sup>th</sup>	Day. 9h-17h. 25 <sup>th</sup>	to 17h. 25 <sup>th</sup>	Sunrise to Sun- set. 24 <sup>th</sup>
Scotland.	Oban ... ..	b	b	73	49	-	-	11.8	15.5	England, N.W.	Douglas (I.O.M.)	*	*	70	50	-	-	11.6	7.8
	Banff ... ..	o.c	bc.o	57	51	-	-	1.2	0.0		Blackpool ... ..	bc	b	68	50	-	-	10.0	9.0
	Montrose ... ..	*	*	69	50	-	-	12.3	9.5		Southport ... ..	bc b	b	66	52	-	-	8.5	7.5
	St. Andrews ...	b	b	61	48	-	-	11.5	12.6										
England, N.E.	Harrogate ... ..	o.c	b bc	58	51	-	-	4.2	2.2	Midlands.	Buxton ... ..	cr bc b	b c bc	63	52	0.4	-	5.6	0.1
	Skegness ... ..	o.c	c.o	58	50	-	-	0.5	1.9		Leamington Spa...	bc	bcg	64	54	-	-	2.8	0.8
											Malvern ... ..	3	y	66	52	-	-	2.0	6.0
											Ross-on-Wye ...	bmw om	bmw om	66	49	1	-	2.6	2.6
England, E.	Felixstowe ... ..	om	o	61	48	-	-	0.3	2.4	Wales.	Rhyl ... ..	c	bc	65	45	-	-	8.0	6.3
	Walton-on-Naze...										Colwyn Bay ... ..	*	*	64	50	-	-	6.5	6.9
	Southend-on-Sea...	op	o	60	49	0.2	-	0.0	2.5		Llandudno ... ..	c	b	65	52	-	-	7.2	5.4
											Aberystwyth ...	bc b	b bc	63	58	*	*	10.5	12.0
England, S.E.	Margate ... ..	o	o	61	54	0.3	-	0.9	2.8	England, S.W.	Weymouth ... ..	bc	bcg	71	57	-	-	6.0	0.7
	Ramsgate ... ..	o	o	60	51	1	-	0.8	?		Teignmouth ... ..	b	b	69	55	-	-	10.5	8.2
	Folkestone ... ..	*	*	61	55	-	-	0.5	2.5		Torquay ... ..	b	b bc b	67	54	-	-	11.3	9.4
	Hastings ... ..	om	o bc	61	52	0.4	0.3	0.5	1.6		Paignton ... ..	b	b	68	54	-	-	12.0	?
	Eastbourne ... ..	o	o	63	50	-	-	0.5	6.5		Penzance ... ..	b	b	68	58	-	-	11.5	11.2
	Brighton ... ..	o	o.c	62	53	2	-	1.5	3.8		Newquay ... ..	b	b	65	57	-	-	10.7	13.1
	Worthing ... ..	o.c	c.o	64	54	1	-	0.8	3.1		Bude ... ..	b	b	71	55	-	-	10.9	13.0
	Littlehampton ...	o	o	70	60	2	-	1.2	2.4		Ilfracombe ... ..	b	b bcg	67	52	-	-	11.0	8.3
	Bournemouth ...	*	*	68	57	4	-	5.5	4.8		Weston-s-Mare ...	b	bc.c	73	55	-	-	9.5	2.5

SUMMARIES FOR PAST 24 HOURS.											THE BEAUFORT NOTATION.			THE BEAUFORT SCALE OF WIND FORCE.		
STATIONS.	WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.		Sun. Hours.	No.	Limits of Velocity.				
	7h-13h	13h-18h	18h-24h	1h-7h				Day. 7h-13h	Night. 18h-7h			Statute miles per hour.	Metres per second.			
†Houton Bay (Orkney)...	cy oz	ou	odp	er	55	45	*	*	*	*	0	Less than 1	Less than 0.3			
Eskdalemuir ...	c by by	by bc	b bc o bc	bm om	69	46	45	-	-	11.5	1	1-3	0.3-1.5			
†Stranraer ...	b bc	b bc	b bc	om	68	49	*	*	*	*	2	4-7	1.6-3.3			
†Lough Foyle ...	o	o					*	*	*	*	3	8-12	5.4-6.4			
Valencia (Cahirciveen) ...	b	b	b bc of		69	48	42	-	-	14.1	4	13-18	5.5-7.9			
†Anglesey (Llangefni) ...	o of	b bcp	b	c o2	66	45	*	*	*	*	5	19-24	8.0-10.7			
Falmouth ...	b by	by by	b bc	bcw	68	54	48	-	-	12.1	6	25-31	10.8-13.8			
†Calshot (Hants) ...	cy oz	by cy	b co	c o	66	51	*	*	*	*	7	32-38	13.9-17.1			
†Capel (Folkestone)...	ov	ov	o	o	62	47	*	*	*	*	8	39-46	17.2-20.7			
Aberdeen ...	o c	b c c	c op		59	50	48	-	1.7	4.8	9	47-54	20.8-24.4			
†East Fortune ...	b bc v	fr bc b	f	bc c	64	51	*	*	*	*	10	55-63	24.5-28.4			
†Flamborough Head	om o	o	b co om	cpd	57	49	*	*	*	*	11	64-75	28.5-33.5			
†Felixstowe ...	orf	orh g	r	opd	60	50	*	*	*	*	12	Above 75	33.6 or above			
†Cranwell (Lincs) ...	ord	c o	b c bc b	bc c	60	44	*	*	*	*						
†Bedford ...	om	om		oz	62	46	*	*	*	*						
Benson ...	o	bc	c b		66	43	39	-	-	*						
London (Kew Obsy.) ...	om o d o	o bc	bc o bc b		62	51	49	0.2	-	0.5						

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.		

SUFFIXES		
0	1	2
Aurora		
Rime		
Glazed frost		
Glazed roads		

SYMBOLS		
Aurora	☉	Solar halo
Rime	☾	Lunar halo
Glazed frost	☉	Solar corona
Glazed roads	☾	Lunar corona

**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. i 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	1.5-3.3
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	28.5-33.6
12	Above 75	33.6 or above

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 1=moderate, 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.										SOUTH KENSINGTON (Meteorological Office).		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	Humidity %			26th & 27th July 1919.			
Morning.	Afternoon.	Night.	24 Hours.							Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Total. Joules.	Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Greenwich (Royal Observatory)	bc.o	c.bc	c	63	51	47	-	0.3	72	69		Yarmouth...	4.44	11.59	7.53
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	*		Greenwich	4.5	11.59	7.52
Westminster (St. James's Park)	*	*	*	63	52	50	-	0.1	83	77		Wick ...	4.17	12.6	7.58
" (Admiralty Arch)	odm	om o z	o bc o g	63	52	*	-	0.1	67	70		Valencia ...	3.51	12.18	8.43
Camden Sq. (British Rainfall)	o.c	c	*	65	52	48	-	0.3	66	67					
Kensington Palace ...	o	o	*	64	51	48	-	*	*	67					

## NOTES ON THE WEATHER OF YESTERDAY.

Temperatures still remained low, the highest maximum temperature reported being 73°, which was reached at West-super-Mare and also at Oban. Some rain or showers occurred in East and South-east England in the morning, but the amounts recorded were slight. Very little sunshine was recorded in the Eastern districts except in SE. Scotland, where St. Andrews had over 11 hours sunshine. Elsewhere there were good amounts especially in South-west England and Wales. Penbroke recorded 14.3 hours sunshine and Seilly 13.2 hours.





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

No. 21,066 B SUNDAY, 27<sup>th</sup> JULY, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 19h.																												
STATIONS.	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea
			Dir.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Dir.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.	
			13h. G.M.T. of 26 <sup>th</sup>														19h. G.M.T. of 26 <sup>th</sup>											
Houton B. (Orkney)	1025.6	0	N	5	0	52	87	6	2-3000	St	10	-	-	3	1025.5	0	NNE	3	om	50	92	5	2-3000	St	10	-	-	3
Eskdalemuir	1022.5	-2	N	1	boggy	65	55	7	2-3000	Cu	3	aCu	3	*	1021.8	0	NE	3	b	61	65	8	-	Cu	2	-	-	*
Stranraer	1023.7	0	NW	2	om	59	87	5	2-1000	St	10	-	-	*	1022.1	-2	NW	3	c	56	92	7	2-1000	St	4	aCu	3	*
Lough Foyle	1025.3	-1	WNW	3	0	55	87	6	1-1500	St	10	-	-	0	1024.5	-2	WNW	3	0	53	98	3	2-1000	St	10	-	-	0
Valencia (Cahire'n)	1025.2	0	NW	2	bc	67	82	7	2-1000	Cu	1	aCu	3	2	1024.2	-1	W	2	b	59	82	8	2-3000	Cu	2	-	-	2
Anglesey (Llangefni)	1023.3	-1	NNW	1	bc	68	65	6	5-7000	Cu	2	Ci	2	1	1022.7	-1	N	2	c	61	82	6	4-5000	Cu	5	Ci	3	1
Falmouth	1024.4	0	SE	2	b	67	55	7	-	-	-	-	-	*	1023.0	-2	NNW	1	boggy	69	55	6	-	-	-	-	-	*
Calshot (Hants)	1023.7	-1	SSW	2	c	67	65	5	5-7000	Cu	3	aCu	3	3	1022.7	-1	SW	1	om	61	82	6	4-5000	StCu	5	aCu	3	3
Capel (Folkestone)	1024.1	0	N	3	ov	58	75	8	2-3000	StCu	10	-	-	3	1023.6	0	SSW	2	cj	55	87	5	4-5000	StCu	8	-	-	3
Aberdeen	1023.9	0	NNW	4	c	55	75	8	-	Nb	8	-	-	3	1023.5	0	NNW	4	c	55	75	8	-	CuNb	8	-	-	4
East Fortune	1024.1	0	ENE	2	b	60	65	8	4-5000	Cu	2	-	-	*	1023.5	-1	ENE	3	b	58	75	8	4-5000	StCu	1	Ci	1	*
Flamborough Hd	1023.7	0	WNW	2	0	61	65	6	2-3000	StCu	9	-	-	3	1022.5	0	N	3	bc	54	75	8	5-7000	Cu	2	aSt	4	*
Felixstowe	1023.7	0	WNW	2	0	58	75	5	2-3000	StCu	4	aSt	6	*	1023.0	-3	N	2	0	60	75	5	4-5000	StCu	9	-	-	2
Cranwell (Lincs)	1023.7	-1	NNE	1	om	58	75	5	2-3000	StCu	8	-	-	*	1022.5	-2	ESE	3	0	58	87	6	2-3000	St	4	aSt	5	*
Bedford	1023.8	-1	-	0	cj	62	55	1	4-5000	St	8	-	-	*	1021.8	-2	SE	1	cj	63	65	2	3-1000	St	6	aCu	2	*
Benson	1023.6	-1	NNE	1	bc	67	65	4	-	-	-	-	-	*	1021.3	-2	SE	0	c	67	75	4	-	Cu	5	-	-	*
London (Kew Obs.)	1024.1	-2	NE	1	bg	63	65	5	-	StCu	1	aCu	2	*	1021.7	-3	SW	2	bg	67	65	5	-	Ci	1	-	-	*
1h. G.M.T. of 27 <sup>th</sup>													7h. G.M.T. of 27 <sup>th</sup>															
Houton B. (Orkney)	1026.0	+1	NE	3	0	47	98	5	1-1500	aCu	10	-	-	3	1025.6	0	N	3	0	46	97	6	1-1500	S.Cu	10	-	-	3
Eskdalemuir	1024.0	0	N	2	bc	48	87	8	-	-	-	aCu	5	*	1023.5	0	NNE	3	0	50	77	7	-	S.Cu	10	-	-	*
Stranraer	1022.7	+1	-	0	om	54	98	*	2-1000	St	10	-	-	*	1023.2	+1	-	0	0	54	87	8	1 1/2-2000	St	9	-	-	*
Lough Foyle	1025.2	+2	NNW	1	bc	59	*	*	*	*	*	*	*	*	1024.0	0	NW	1	0	52	92	6	1 1/2-2000	St	10	-	-	*
Valencia (Cahire'n)	1025.2	+2	NNW	1	bc	59	*	*	*	*	*	*	*	*	1023.4	0	-	0	0	56	97	8	1 1/2-1000	S.Cu	10	-	-	1
Anglesey (Llangefni)	1023.3	-1	-	0	b	54	0	5	-	-	-	-	-	*	1022.3	0	-	0	0	54	97	5	2-1000	St	10	-	-	2
Falmouth	1023.0	-1	-	0	b	54	0	5	-	-	-	-	-	*	1022.4	0	NW	1	bz	59	92	4	-	-	C.Cu	2	*	
Calshot (Hants)	1022.8	0	SW	2	om	59	87	5	3-1000	FrCu	4	-	-	-	1022.4	0	-	0	of	56	92	2	<500	St	10	-	-	3
Capel (Folkestone)	1024.1	0	SW	2	om	59	87	5	3-1000	FrCu	4	-	-	-	1021.3	+1	NNW	1	fi	54	97	3	<500	St	10	-	-	1
Aberdeen	1023.4	0	NNW	3	0	50	87	5	1-1500	StCu	10	-	-	*	1023.8	0	N	3	0	51	97	7	-	Cu.N	9	-	-	3
East Fortune	1024.2	0	NE	2	c	53	75	4	5-7000	StCu	8	-	-	*	1023.7	0	NE	3	0	52	77	6	4-5000	S.Cu	10	-	-	*
Flamborough Hd	1021.3	-1	NNE	4	Cu	51	87	5	4-5000	CuNb	7	-	-	*	1021.0	0	N	5	0	53	82	8	2-3000	S.Cu	10	-	-	*
Felixstowe	1022.5	0	NNW	1	0	53	92	8	4-5000	St	10	-	-	3	1021.5	-2	NNW	3	bc	55	82	6	4-5000	S.Cu	5	aCu	2	2
Cranwell (Lincs)	1022.6	-1	N	1	0	52	87	7	2-3000	St	10	-	-	*	1022.1	0	NNW	2	c	52	87	6	1 1/2-2000	St	4	aSt	3	*
Bedford	1023.8	-1	-	0	cj	62	55	1	4-5000	St	8	-	-	*	1022.1	0	NE	2	c	54	66	4	5-7000	St	6	aCu	2	*
Benson	1023.6	-1	NNE	1	bc	67	65	4	-	-	-	-	-	*	1021.1	0	NNE	3	0	54	82	6	-	St	10	-	-	*
London (Kew Obs.)	1024.1	0	-	0	0	58	*	*	*	*	*	*	*	*	1021.5	+2	NE	2	om	55	75	4	-	S.Cu	10	-	-	*
STATIONS CONTRIBUTING REPORTS AT 7h AND 19h.																												
STATIONS.	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND.		Weather	BAROMETER.		TEMPERATURE.		WIND.		DIREC. of Upper Cloud.	WEATHER.	SEA.	RAINFALL mm.	TEMP.		WEATHER.			SUNSHINE Hours.							
			at M.S.L. m.b.	Change in 8 hours.		Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.	Max. °F.	Min. °F.					Morning.	Afternoon.	Night.										
																			24 HOURS ENDED 7h. of 27 <sup>th</sup>									
Lerwick	1023.5	53	NNE	5	om	1023.8	0	49	-3	NNE	4	-	0	4	-	54	49	om	om	om	*							
Stornoway	1025.6	55	NE	2	bc	1026.0	0	52	+1	N	3	-	0	2	-	56	50	0	0	0	6.7							
Castlebay (Barra)	1024.0	57	N	3	b	1024.6	0	55	-3	NE	3	-	b	3	-	62	51	6	b	b	14.3							
Glasgow	1022.4	61	NE	4	c	1024.0	0	51	0	NNE	1	-	0	*	-	73	46	6 bcj	bc c	c.0	10.7							
Malin Head	1023.3	55	NW	2	omg	1023.0	0	53	+1	NW	1	-	og	1	-	56	52	om	og	c	0.0							
Blacksod Point	1024.1	57	N	1	ov	1023.6	0	55	+1	NE	2	-	og	2	-	61	53	og	ogv	om.ong	*							
Roche's Point	1023.5	66	SW	2	bc	1023.2	0	56	-1	N	1	-	b	1	-	69	54	6 bc c	c bcj	c.b	*							
Birr Castle	1023.7	62	N	1	0	1023.3	*	54	+2	N	1	-	0	*	-	65	51	fo	o.c.o	3.0	1.7							
Donaghadee	1022.8	57	ENE	2	bg	1023.3	0	55	+2	NE	2	NE	C	1	-	57	51	of	om	bm.bcm	*							
Liverpool (Bidston)	1021.8	59	WNW	3	0	1021.7	0	55	-1	WNW	1	-	0	1	-	66	54	bm	0	op	9.1							
Holyhead	1022.7	60	WNW	3	b	1021.7	-1	55	-1	NNW	3	-	of	2	-	61	52	b.f	f.b	of.fe.0	2.8							
Pembroke (St. Ann's Head)	1023.1	62	W	2	bc	1022.0	-1	58	+1	NE	1	NW	C	0	-	65	55	b	6 bc	bc.c	12.1							
Scilly (St. Mary's)	1024.0	64	W	1	bc	1023.2	-1	58	0	-	0	-	f	2	-	67	55	fe.bm	bcm	bmfe	11.7							
Jersey (St. Aubin)	1024.2	64	NE	2	bcf	1021.4	-2	60	+2	NE	2	-	bc	2	-	64	55	f.bc	bcf	c.bc	*							
Portland Bill	1022.8	57	SW	2	c	1020.8	0	57	+4	N	2	-	0	2	-	64	52	c	c	c.a.m.o	*							
Dungeness	1024.5	52	N	3	odpm	1024.6	0	49	-2	NW	3	-	0	3	-	54	48	ogm	odpm	omgd	*							
Wick	1024.5	55	E	1	c	1024.5	*	51	0	-	0	-	c	1	-	59	49	rg	c.b.c	cgw	1.4							
Nairn	1022.4	60	E	2	bc	1023.																						



# SUMMARY OF CONDITIONS AT 7 A.M. Sunday, 27th July, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NE 0-5	Rather cool	Dull; local mist & coastal fog	Poor	Slight
2. E. England	NW-N 5-10	"	Fair to dull, some local mist & drizzle	Good	"
3. E. Midlands	NE 5	"	Cloudy or dull	Fair	"
4. W. Midlands	NW-NE 2-5	"	" " "	"	"
5. S.W. England	NW-NE 0-5	Moderate	Fine or fair; fog at Scilly	Ord.	Smooth
6. South Wales	NE 2	"	Cloudy; local haze	Indiff.	Calm.
7. North Wales	NNW 0-10	R. Cool	Dull; fog at Holyhead	Poor	Smooth
8. N.W. England	NW-NE 2-10	"	Dull	Ord.	"
9. N. Midlands	NE 5-10	"	Dull	"	"
10. N.E. England	NW-NE 15-20	"	Dull; local mist, showers & drizzle	Var.	Mod.
11. E. Scotland	N-NE 0-10	"	Dull; light local rain	Good	Slight
12. S.W. Scotland	NNE 0-10	"	Dull	V. Good	Smooth
13. Isle of Man	NW-NE 5-10	Moderate	Cloudy or dull	"	"
14. N. & N.W. Scotland	NW-N 10	R. Cool	Dull; local mist	Indiff.	Slight
15. Hebrides	N-NE 10	Moderate	Variable sky	Ord.	"
16. Orkneys and Shetlands	N-NNE 10-15	R. Cool	Dull; mist at Shetlands	"	Mod.
17. N.W. Ireland	N-NE 5	Moderate	Dull; gloomy	Good	Smooth
18. N.E. Ireland	NW-NE 2-5	"	Cloudy or dull, local mist	Fair	"
19. S.E. Ireland	N 2-5	"	Cloudy or dull	Ord.	"
20. S.W. Ireland	N. 0-2	"	Variable sky	Good	"



**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn for 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 & clouded.  
 ○ sky & clouded. ○ sky & clouded.  
 ○ overcast sky. ● rain falling.  
 \* snow. ▲ hail. ≡ fog. ≡ mist.  
 T thunder. F thunderstorm.  
**SEA DISTURBANCE.**— Rough High

GENERAL INFERENCE from observations received up to 10 a.m.

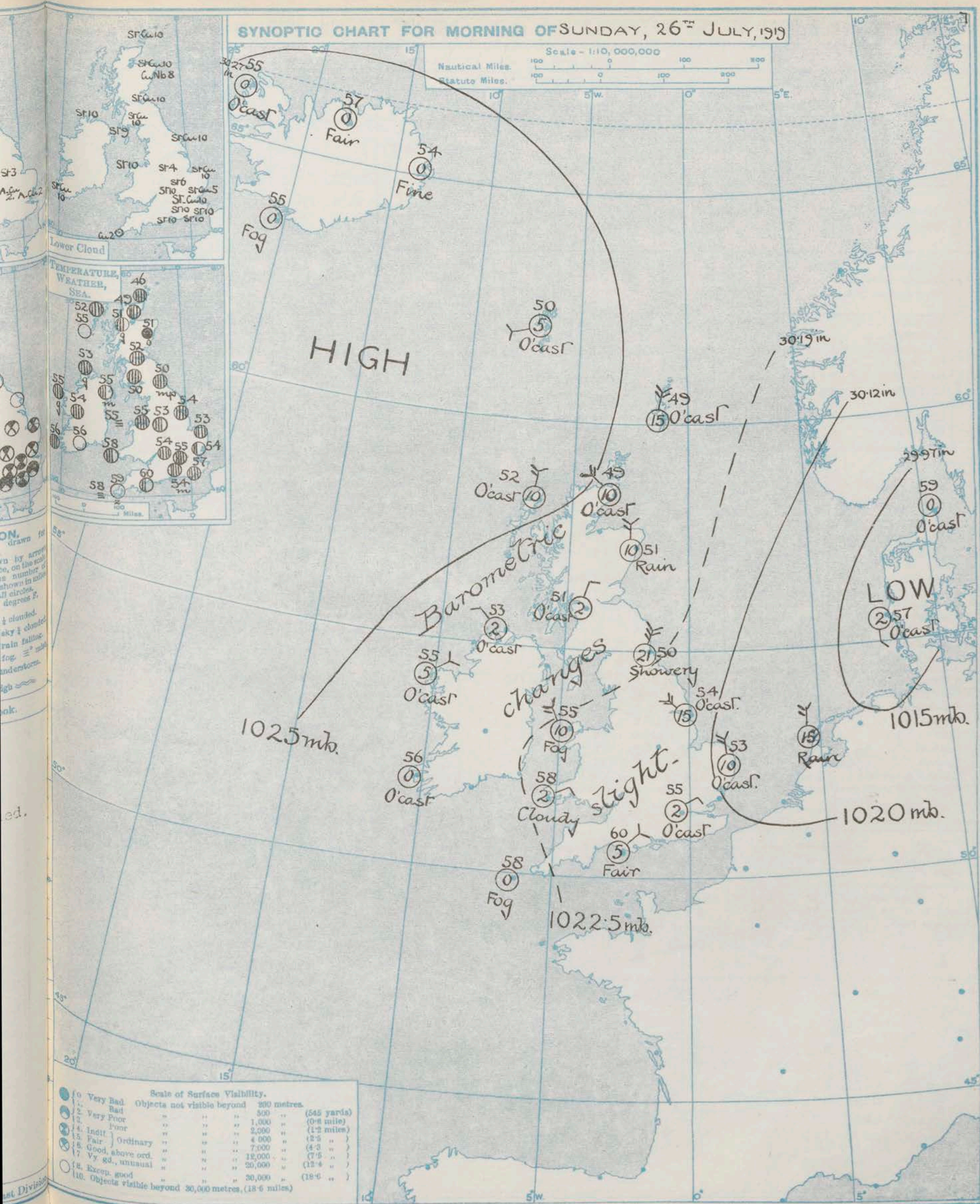
An anticyclone lies to the North-west of the British Isles.  
 Light winds with fair to dull weather are probable generally.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Sunday, 27th July, 1919.	Further Outlook.
1. S.E. England	Light Northerly or variable breezes. Fair to dull, local showers. Mist locally. Moderate temperature.	
2. E. England		
3. E. Midlands		
4. W. Midlands	Light breezes, mainly between North-west and North east. Variable cloud, mist locally. Moderate temperature.	None issued.
5. S.W. England		
6. South Wales		
7. North Wales		
8. N.W. England	Light or moderate winds between North and East. Fair to dull; local showers. Mist locally. Moderate temperature.	
9. N. Midlands		
10. N.E. England		
11. E. Scotland	Same as district 4 9.	
12. S.W. Scotland		
13. Isle of Man		
14. N. & N.W. Scotland	Same as districts 1 3.	
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 SUNDAY, 26<sup>TH</sup> JULY, 1919

Scale - 1:10,000,000  
Nautical Miles. 100 0 100 200 300  
Statute Miles. 100 0 100 200 300





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No 2088

Sunday, 27<sup>th</sup> July 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 26 <sup>th</sup>																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-24h. 25 <sup>th</sup>	Day. 9h-17h. 26 <sup>th</sup>	to 17h. 26 <sup>th</sup>	Sunrise to Sun- set. 25 <sup>th</sup> -26 <sup>th</sup>			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-24h. 25 <sup>th</sup>	Day. 9h-17h. 26 <sup>th</sup>	to 17h. 26 <sup>th</sup>	Sunrise to Sun- set. 25 <sup>th</sup> -26 <sup>th</sup>
Scotland.	Oban ... ..	b	bcom b	58	49	-	-	8.0	14.5	England, N.W.	Douglas (I.O.M.)								
	Banff ... ..	op	o bc	57	48	0.3	0	1.7	1.2		Blackpool ... ..								
	Montrose ... ..										Southport ... ..	o c b c b	b	63	52	-	-	7.5	11.3
	St. Andrews ... ..																		
England, N.E.	Harrogate ... ..	o. bc	o. bc o	61	48	-	-	4.5	6.6	Midlands.	Buxton ... ..	b c b	b bc b	68	41	-	-	5.3	7.5
	Skegness ... ..										Leamington Spa... ..	b c g	b c g	60	46	-	-	4.7	2.8
											Malvern ... ..								
											Ross-on-Wye ... ..	b w b g c g	c g c g	72	48	-	-	6.4	2.7
England, E.	Felixstowe ... ..	o	b c	62	51	-	-	1.6	0.3	Wales.	Rhyl ... ..								
	Walton-on-Naze... ..										Colwyn Bay ... ..								
	Southend-on-Sea... ..	o	o c	63	51	-	-	1.3	0.0		Llandudno ... ..								
											Aberystwyth ... ..	c. b	b	66	61	-	-	11.0	12.5
England, S.E.	Margate ... ..	c	c bc	67	52	-	-	1.7	0.9	England, S.W.	Weymouth ... ..								
	Ramsgate ... ..	-	-	66	50	-	-	2.0	0.8		Teignmouth ... ..								
	Folkestone ... ..	*	*	66	55	-	-	2.3	0.5		Torquay ... ..	c b c b	b. bc.	69	56	-	-	8.1	12.8
	Hastings ... ..	b bc	b c	63	52	-	-	4.5	0.6		Paignton ... ..	o b	b bc o	70	52	-	-	5.9	13.8
	Eastbourne... ..	bc	b c	61	53	-	-	8.2	0.5		Penzance ... ..								
	Brighton ... ..										Newquay ... ..								
	Worthing ... ..	b	b	65	52	-	-	11.0	0.8		Bude ... ..								
	Littlehampton ... ..	b	b	69	52	-	-	11.5	1.2		Ilfracombe ... ..								
	Bournemouth ... ..	*	*	67	49	0.3	-	8.5	5.5		Weston-s-Mare ... ..								

SUMMARIES FOR LAST 24 HOURS.										BEAUFORT NOTATION.			THE BEAUFORT SCALE OF WIND FORCE.		
STATIONS.	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.		Sun. Hours.	No.	Limits of Velocity.			
	7h-12h	12h-2h	2h-7h	7h-12h				Day. 7h-12h.	Night. 12h-7h.			Statute miles per hour.	Metres per second.		
†Houton Bay (Orkney)...	op	opm	g xp	pd. of	53	48	*	*	*	*	0	Less than 1	Less than 0.3		
Esksdalemuir ...	om o c	b c g y b y	b c v b c	b c c o	69	44	41	-	-	7.9	1	1-3	0.3-1.5		
†Stranraer ...	g	c o	c g	c	61	50	*	*	*	*	2	4-7	1.6-3.8		
†Lough Foyle ...	o	o	c o	c o	67	52	*	*	*	*	3	8-12	5.4-5.4		
Valencia (Cahirciveen) ...	of o bc	b c b	b b c c o	b c c o	69	49	44	-	-	9.8	4	13-18	5.5-7.9		
†Anglesey (Llangefni) ...	b g c g	b g b c g	b w	o r,	69	50	*	*	*	*	5	19-24	8.0-10.7		
Falmouth ...	b g	b c b g y	b w	b w	74	50	42	-	-	12.2	6	25-31	10.8-13.8		
†Calshot (Hants) ...	b bc	b c g c g	of	of	61	54	*	*	*	*	7	32-38	13.9-17.1		
†Capel (Folkestone)...	ov	c g	o. c f	o. c f	58	49	*	*	*	*	8	39-46	17.2-20.7		
Aberdeen ...	o. cp	o cp	c o p c p		57	49	48	Tr.	Tr.	2.0	9	47-54	20.3-24.4		
†East Fortune ...	b c v c v	b v b c v	b c c	o. p a.	60	52	*	*	*	*	10	55-63	24.5-28.4		
†Flamborough Head ...		b c v c v	v w	o. g	57	50	*	*	*	*	11	64-75	28.5-33.5		
†Felixstowe ...	cp	c o	o g	b c l	61	51	*	*	*	*	12	Above 75	33.6 or above		
†Cranwell (Lines) ...	o om	om g	c o	b c c	59	48	*	*	*	*					
†Bedford ...	c g	b c g c g	o	c z,	65	51	*	*	*	*					
Benson ...	bc	b c	o	b c c	71	50	50	-	-	*					
London (Kew Obsy.) ...	b bc b g	b g b c g b g	b z. b c. o. op. om		69	52	51	-	1	11.7					
											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.				
											re 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.				
											Suffices 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.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Glass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
		Morning.	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.			27 <sup>th</sup> & 28 <sup>th</sup> July..... 1919.			
24 HOURS ENDED 9h G.M.T. ... 27 <sup>th</sup> .										* YESTERDAY.	TO-DAY.	Vertical Component of Solar Radiation per Square Centimetre during yesterday.		Stations.	Sunrise.	Noon.	Sunset.
														G.M.T.	G.M.T.	G.M.T.	
Greenwich (Royal Observatory)	c	bc	o	69	53	47	2	10.2	63	76	Total ..... Joules.		Yarmouth...	4.5	11.59	7.52	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	*			Greenwich	4.6	11.59	7.51	
Westminster (St. James's Park)	*	*	*	*	*	*	*	*	*	*	Total ..... Milliwatts.		Wick ...	4.17	12.6	7.55	
Admiralty Arch	bz	cbzcm	obom	70	55	*	-	8.9	60	76			Valencia ...	4.18	12.6	7.54	
Camden Sq. (British Rainfall)	bc	bc	bcb	72	54	52	3	8.5	59	69	Average Rate.		Wick ...	3.53	12.18	8.45	
Kensington Palace ...	bc	b		73	54	54	-	*	68	78			Maximum Rate.		Valencia ...	4.56	12.47
															4.57	12.47	8.39
																	8.38

## NOTES ON THE WEATHER OF YESTERDAY.

Maximum temperatures mostly failed to reach 70°, but Falmouth reported a maximum temperature of 74°, Glasgow 73° and Ross-on-Wye 72°. Sunshine records were variable, mainly poor on the East coast, but good locally in Wales and South-west England. Pembroke reported 12.1 hours sunshine and Seilly 11.7 hours. Castleby in the Hebrides reported 14.3 hours. Practically no rain fell yesterday. Liverpool reported 1 mm. of rain.





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

No. 2,067.B Monday, 28<sup>th</sup> July, 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.	Force 0-12.	Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.	Upper Cloud	Sea	BAROM. at M.S.L. m.b.	† Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.	Upper Cloud	Sea			
										Form.	Amt. 0-10.	0-9.									Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.		
13H. G.M.T. OF 27 <sup>th</sup>														18H. G.M.T. OF 27 <sup>th</sup>													
†Houton B. (Orkney)	1025.4	-1	N	3	0	49	75	8	3-4000	St Cu	10	-	2	1025.7	0	N	3	0	47	87	7	2-3000	St Cu	8	-	2	
†Eskdalemuir	1023.0	0	NNE	3	0	55	65	8	3-4000	St	10	-	*	1022.1	-1	NE	3	6c	54	75	8	4-5000	St Cu	5	-	*	
†Stranraer	1022.9	0	NNW	2	0v	61	75	8	3-4000	St	9	-	*	1022.1	-1	-	0	0	60	75	8	2-3000	St	9	-	*	
†Lough Foyle	1023.9	-1	NNE	2	c	55	87	4	1-1500	St	7	-	0	1021.9	-1	NNW	3	c	60	82	8	2-3000	St Cu	6	Al Cu	2	0
†Valencia (Cahire'n)	1022.7	0	NNE	3	c	64	75	8	1-2000	St Cu	7	Al Cu	1	2	1021.3	-1	NE	3	b	59	75	6	-	-	-	4	
†Anglesey (Llangefni)	1021.8	0	NE	3	om	60	67	4	1-1500	Nb	10	-	4	1019.5	-2	NNW	4	6y	66	75	6	-	-	Al Cu	1	*	
†Falmouth	1020.9	-1	NNW	2	6y	73	53	6	-	St	1	-	*	1019.2	-1	ESE	1	om	62	98	4	3-4000	St	10	-	3	
†Calshot (Hants)	1020.3	0	-	0	om	63	75	3	2-3000	St	10	-	1	1020.4	0	NNE	3	0v	57	82	8	-	St	10	-	3	
†Capel (Folkestone)	1020.5	-1	NNE	3	0y	60	75	5	1-2000	St Cu	9	-	3	1023.4	-1	NNW	3	0p	51	75	8	-	Al Nb	9	-	4	
Aberdeen	1023.8	0	N	4	0	53	65	8	-	Al Nb	10	-	4	1023.1	-1	NE	3	c	55	75	6	3-4000	St Cu	8	-	*	
†East Fortune	1023.6	0	NE	3	0v	56	75	7	1-2000	St Cu	9	-	*	1020.5	0	NNW	3	0	57	75	6	3-4000	St Cu	8	Al St	5	*
†Framborough Hd.	1021.5	0	NNE	4	c	55	-	-	2-3000	St Cu	8	-	*	1019.6	-1	NNE	1	0	53	82	8	2-3000	St Cu	6	Al St	4	*
†Felixstowe	1021.0	0	NNW	2	0	59	75	6	2-3000	St	10	-	3	1020.8	-1	NNE	1	om	58	65	3	2-3000	St	10	-	*	
†Cranwell (Lines)	1021.4	0	N	3	0	57	75	7	3-4000	St Cu	8	Al St	2	1020.4	0	NNE	1	0	57	87	4	-	St Cu	10	-	*	
†Bedford	1021.7	0	NE	1	om	60	65	2	4-5000	St	10	-	-	1020.3	-1	N	3	om	60	65	6	-	St Cu	5	Al St	3	*
Benson	1021.9	0	NNE	2	0	63	75	4	-	-	-	-	*	1023.2	0	NNW	1	om	45	98	2	1-1500	St	10	-	2	
London (Kew Obs.)	1020.4	-2	NNE	2	c	64	65	5	-	St Cu	4	Al Cu	4	1024.1	+1	NNE	2	0	48	82	7	-	St Cu	10	-	*	
1H. G.M.T. OF 28 <sup>th</sup>														7H. G.M.T. OF 28 <sup>th</sup>													
†Houton B. (Orkney)	1025.5	0	N	1	od	45	98	2	1-1500	St	10	-	-	1025.1	0	NNW	4	om	50	98	3	1-1500	St	10	-	2	
†Eskdalemuir	1023.5	0	N	1	0	48	87	7	-	St	10	-	*	1024.1	+1	NNE	2	0	48	82	7	-	St Cu	10	-	*	
†Stranraer	1023.1	0	-	0	c	45	98	*	2-3000	St	7	-	*	1023.5	-	-	0	0	52	92	8	2-3000	St	9	-	*	
†Lough Foyle	1023.1	0	-	0	6	56	*	*	*	*	*	*	0	1023.0	0	-	0	0	58	92	8	4-5000	St Cu	10	-	2	
†Valencia (Cahire'n)	1022.4	0	-	0	0	48	87	*	-	-	-	-	3	1022.5	+1	NE	1	0	54	75	7	5-7000	St Cu	10	-	3	
†Anglesey (Llangefni)	1020.5	0	NNW	3	6w	54	98	6	-	-	-	-	*	1020.8	+1	NNW	2	cm, c	58	98	3	-	St	8	-	4	
†Falmouth	1020.5	0	NNW	3	6w	54	98	6	-	-	-	-	*	1021.7	0	NE	2	0	59	65	7	3-4000	St	10	-	*	
†Calshot (Hants)	1020.5	0	NNW	3	6w	54	98	6	-	-	-	-	*	1020.3	0	N	4	0	51	92	8	1-2000	St	10	-	3	
†Capel (Folkestone)	1020.5	0	NNW	3	6w	54	98	6	-	-	-	-	*	1023.9	0	NW	3	od	50	92	7	-	Nb	10	-	3	
Aberdeen	1023.2	0	NNW	1	od	47	92	4	1-1000	Nb	10	-	-	1024.3	0	NNE	3	v	51	75	7	3-4000	St Cu	9	-	*	
†East Fortune	1024.2	0	NE	3	0	50	75	*	3-4000	St Cu	9	-	-	1020.9	0	N	5	f, g	52	92	7	1-1000	St	6	Al Cu	2	*
†Framborough Hd.	1020.4	0	N	5	cm, g	50	92	6	1-1000	St	4	Al Cu	4	1020.1	0	NNW	3	0	53	87	5	2-3000	St	7	Al St	2	4
†Felixstowe	1021.1	0	NNW	2	c	50	98	3	5-7000	St Cu	7	-	-	1021.5	0	NNW	3	0	51	92	6	1-1500	St	9	-	*	
†Cranwell (Lines)	1021.5	0	N	1	0	50	92	8	4-5000	St Cu	10	-	-	1021.6	0	N	2	om	52	75	3	3-4000	St	9	-	*	
†Bedford	1021.5	0	N	1	0	50	92	8	4-5000	St Cu	10	-	-	1021.0	0	N	2	bc	53	75	6	-	Cu	5	-	*	
Benson	1021.9	0	NNE	2	0	63	75	4	-	-	-	-	*	1021.0	+1	N	3	c	53	82	5	-	St Cu	7	-	*	
London (Kew Obs.)	1020.9	0	NNE	1	6	53	*	*	*	*	*	*	*	1021.0	+1	N	3	c	53	82	5	-	St Cu	7	-	*	
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																											
STATIONS.	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND. Direc.	Force 0-12.	Weather.	BAROMETER. at M.S.L. m.b.	TEMPERATURE. Temp. °F.	WIND. Direc.	Force 0-12.	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 27 <sup>th</sup>	7H. G.M.T. OF 28 <sup>th</sup>	24 HOURS ENDED 7H. 28 <sup>th</sup>															27 <sup>th</sup>									
Lerwick	1023.9	51	NNE	4	om	1021.9	-1	52	+3	NW	2	NW	bm	2	52	48	om	om	bm	0.6							
Stornoway	1025.7	53	N	4	0	1024.3	-1	51	-1	NE	3	-	0	1	56	50	o.c	c.o	0	9.6							
Castlebay (Barra Is)	1024.4	56	NNE	3	6	1025.0	0	54	-1	NE	2	-	0	2	58	48	6.0	o.c.b	0	2.4							
Glasgow	1021.7	62	SE	1	Cu	1024.4	+1	50	-1	E	2	-	0	*	64	48	og	c	c.o	9.5							
Malin Head	1023.4	58	NE	2	6c, g	1023.5	0	53	0	N	3	N	cg	3	60	52	bc	bcz	bc	*							
Blacksod Point	1023.0	58	NW	2	6c	1023.2	+1	56	+1	NE	2	NE	cg	2	59	54	og	bc	bc.bcz	15.5							
Roche's Point	1022.5	60	S	1	0	1023.1	0	54	-4	NNW	1	E	0	1	65	52	6.0	0	bcz	18							
Birr Castle	1022.1	63	W	1	C	1023.1	*	51	-3	W	1	-	f	*	64	50	0	o.c	of	*							
Donaghadee	1022.3	59	NE	3	6m	1023.1	+1	53	-2	NE	1	-	bm	0	60	47	cm	om.bm	bm	*							
Liverpool (Bidston)	1020.6	59	WNW	3	6	1022.7	+1	52	-3	-	0	-	om	0	61	52	0	bm	om	6.0							
Holyhead	1021.8	60	N	4	6y	1022.2	0	55	0	E	3	-	bm	2	64	52	of.c.f	cf.bcz	bm	6.2							
Pembroke (St. Ann's Head)	1021.2	59	N	3	6	1021.7	+1	55	-3	NE	1	-	cg	2	67	53	bc	c.bz	bc.bcz	7.2							
Scilly (St. Mary's)	1021.3	64	NNW	1	6c	1021.4	0	59	+1	NNE	2	-	bm	2	67	55	bc	bm	bc.bw	12.6							
Jersey (St. Aubin)	1019.7	61	SE	1	0	1020.2	0	55	-5	ENE	3	-	0	3	64	54	c.o	0	c.op	*							
Portland Bill	1019.1	60	ENE	3	6	1019.3	0	53	-4	N	3	N	c	2	62	50	o.c	0	q.c	*							
Dungeness	1023.9	50	NW	3	og	1024.1	0	51	+2	NW	2	-	cm	2	51	47	omg	og	omg	0.2							
Wick	1023.8	54	E	2	c	1024.5	*	49	-2	-	0	-	0	1	55	49	cg										

† 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, 28th July, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N. 5-15	Rather cool	Variable sky; drizzle at Capel.	Good	Smooth
2. E. England	NW-N. 5-10	" "	" "	Ord.	"
3. E. Midlands	N. 5-10	" "	Fair to dull, local mist	"	"
4. W. Midlands	N-NE. 5-10	" "	Variable sky	Good	"
5. S.W. England	N-NE. 5-10	Moderate	" " misty	Poor	Smooth
6. South Wales	NE. 2-5	"	Cloudy, hazy	"	"
7. North Wales	NE-E 2-10	"	Variable sky, local mist	V. Good	"
8. N.W. England	N-NE. 0-5	Rather cool	Dull, local mist	"	"
9. N. Midlands	N. 2-10	" "	" " "	"	"
10. N.E. England	N. 10-21	" "	" , local rain & squalls	Ord.	Mod.
11. E. Scotland	N-NE. 5-10	" "	" drizzle at Aberdeen	V. Good	Smooth
12. S.W. Scotland	NE-E 0-5	" "	" "	"	"
13. Isle of Man	NE-E. 2-10	" "	Variable sky	"	"
14. N. & N.W. Scotland	NW-NE. 2-5	Moderate	Fair to dull	"	"
15. Hebrides	NE. 5-10	"	Variable sky	"	"
16. Orkneys and Shetlands	NNW 5-15	"	Fair to dull, misty	Poor	"
17. N.W. Ireland	N-NE. 5-10	"	Cloudy	"	"
18. N.E. Ireland	N-NE. 2-10	"	Fine to cloudy, local mist	"	"
19. S.E. Ireland	N-NE 0-5	Rather cool	Variable sky, local fog	Ord.	"
20. S.W. Ireland	N-NE. 0-5	Moderate	" "	V. Good	"



## GENERAL INFERENCE from observations received up to 10 a.m.

The anticyclone lying off our North-western coasts will maintain winds from a Northerly point associated with cool but mainly fair weather. Slight showers or drizzle are probable in the Eastern districts.

**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn for 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 & clouded.  
 ⊙ sky & clouded. ⊙ sky & clouded.  
 ⊕ overcast sky. ⊕ rain falling.  
 \* snow. ▲ hail. ≡ fog. ≡ mist.  
 T thunder. F thunderstorm.  
**SEA DISTURBANCE.**—  
 Rough High

Districts.	Forecasts for the 24 hours commencing 3 p.m. Monday, 28th July, 1919.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light to moderate Northerly winds; cloudy, slight local showers; cool.	Generally similar conditions will probably prevail beyond tomorrow.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light North to North-easterly winds; fair to cloudy; cool.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Moderate Northerly winds; cloudy or dull; some showers; cool.	
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland	As for district 4 - 8.	
15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Light winds between North-west and North-east; fair to dull, slight local showers. Cool.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As for district 4 - 8.	



Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200

10° 5' W 10°



Scale of Surface Visibility.				
Objects not visible beyond 200 metres.				
10	Very Bad		800	(545 yards)
9	Bad		1,000	(1,000 feet)
8	Very Poor		2,000	(1.2 miles)
7	Poor		4,000	(2.5 "
6	Indif.		7,000	(4.3 "
5	Fair	Ordinary	12,000	(7.5 "
4	Good, above ord.		20,000	(12.5 "
3	Yd. ad. unusual		30,000	(18.6 "
2	Keep good			
1	Objects visible beyond 30,000 metres (18.6 miles)			



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 209B {28\* July 1919

Monday  
28<sup>th</sup> July, 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 27 <sup>th</sup>																				
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 26 <sup>th</sup>	Day. 9h-17h. 27 <sup>th</sup>	to 17h. 27 <sup>th</sup>	Sunrise to Sun- set. 26 <sup>th</sup>			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 26 <sup>th</sup>	Day. 9h-17h. 27 <sup>th</sup>	to 17h. 27 <sup>th</sup>	Sunrise to Sun- set. 26 <sup>th</sup>	
Scotland.	Oban ... ..	om	o	53	49	-	-	0.1	8.0	England, N.W.	Douglas (I.O.M.)									
	Banff ... ..										Blackpool ... ..									
	Montrose ... ..										Southport ... ..									
	St. Andrews ...																			
England, N.E.	Harrogate ... ..	co	o	56	48	-	-	1.4	4.5	Midlands.	Buxton ... ..									
	Skegness ... ..										Leamington Spa...									
											Malvern ... ..									
											Ross-on-Wye ...	om	om bcm	62	53	-	-	0.8	7.3	
England, E.	Felixstowe ... ..	o	o	61	51	-	-	2.2	2.3	Wales.	Rhyl ... ..	cp	c bc	62	55	0.3	0.2	2.1	7.2	
	Walton-on-Naze...										Colwyn Bay ...	*	x	60	50	-	-	1.5	?	
	Southend-on-Sea...	c bc	bc c	65	53	-	-	1.0	2.0			Llandudno ...	o	c	61	54	-	-	1.5	?
											Aberystwyth ...									
England, S.E.	Margate ... ..									England, S.W.	Weymouth ... ..									
	Ramsgate ... ..	c	o	59	53	-	-	0.9	3.3		Teignmouth ...									
	Folkestone ... ..										Torquay ... ..	c bc c o	o bc c op	69	54	-	0.4	3.4	?	
	Hastings ... ..	or. o	o. bc	62	54	4	-	1.7	4.9		Paignton ... ..									
	Eastbourne ... ..	o	o. bc	64	55	-	-	2.0	8.4		Penzance ... ..	b. bc	b. bc	73	52	-	-	11.8	?	
	Brighton ... ..	o	o. c. o	67	57	-	-	0.9	?		Newquay ... ..	b	b	66	49	-	-	10.0	?	
	Worthing ... ..	o	c. o	64	57	0.1	-	0.7	11.9		Bude ... ..									
	Littlehampton ...										Ilfracombe ... ..									
	Bournemouth ...	*	*	65	53	-	-	0.5	8.5		Weston-s-Mare ...									

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										Sun. Hours.	BEAUFORT NOTATION.		THE BEAUFORT SCALE OF WIND FORCE.		
	WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	RAINFALL.		No.		Limits of Velocity.				
	7h-13h	13h-18h	18h-7h	Day. 7h-18h				Night. 18h-7h	Statute miles per hour.			Metres per second.				
†Houton Bay (Orkney)...	ov	og	od	d. of.	50	45	*	*	*	*	0	Less than 1	Less than 0.3			
Eskdalemuir ... ..	ov	oc	c.o	o	56	45	44	-	-	0.3	1	1-3	0.3-1.5			
†Stranraer ... ..	cv	cv	c.oe	o	67	42	*	*	*	*	2	4-7	1.6-2.3			
†Lough Foyle ... ..	c						*	*	*	*	3	8-12	3.4-5.4			
Valencia (Cahircivesn) ...	oc	c oc	c.o		64	66	52	-	-	0.5	4	13-18	5.5-7.9			
†Anglesey (Llangefni) ...	og	og	y	bc.c.o	69	45	*	*	*	*	5	19-24	8.0-10.7			
Falmouth ... ..	bc cy	by by	bcw	bc.c.o	75	53	46	-	-	12.5	6	25-31	10.8-13.8			
†Calshot (Hants) ... ..	om	om		b.o	68	54	*	*	*	*	7	32-38	13.9-17.1			
†Capel (Folkestone) ... ..	c om	cv ov		cpd.	62	47	*	*	*	*	8	39-46	17.2-20.7			
Aberdeen ... ..	cp op	cp op	c.opd		54	47	46	trace	trace	0.1	9	47-54	20.8-24.4			
†East Fortune ... ..	cv	c o	c o	v.c	60	50	*	*	*	*	10	55-63	24.5-28.4			
†Flamborough Head ... ..	cp op			p.g	56	49	*	*	*	*	11	64-75	23.5-33.5			
†Felixstowe ... ..	o	c	c o	c.op	61	49	*	*	*	*	12	Above 75	33.6 or above			
†Cranwell (Lincs) ... ..	c o	c o	c. o	bc.c.o	63	48	*	*	*	*						
†Bedford ... ..	cy oy	om		om.	65	46	*	*	*	*						
Benson ... ..	o	o	o.b		62	49	43	-	-	*						
London (Kew Obsy.) ... ..	om c	c opo	o.bc.c		64	50	44	0.1	-	2.2						

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	☾
Pine	☾	Lunar halo	☾
Glazed frost	☾	Solar corona	☾
Glazed roads	☾	Lunar corona	☾

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	Humidity %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning	Afternoon.	Night.	° F.	° F.	° F.	mm.	Hours.	15 h.	9 h.					
									G.M.T.	G.M.T.					
	24 HOURS ENDED 9H G.M.T. ... 28 <sup>th</sup> ...								YESTERDAY.	TO-DAY.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.	... 28 <sup>th</sup> & 29 <sup>th</sup> July ... 1919.		
													Stations.	Sunrise.	Noon.
Greenwich (Royal Observatory)	0	0	0.c	67	50	40	-	0.9	67	73	Total ..... 1996 ..... Joules.	Yarmouth... {	G.M.T.	G.M.T.	G.M.T.
City (Bunhill Row) ...	*	*	*	*	*	*	*	0.5	*	*			4.6	11.59	7.57
Westminster (St. James's Park)	*	*	*	65	51	50	-	0.4	75	82	Greenwich {	4.7	11.59	7.50	
(Admiralty Arch)	cmz	cm	0.6c	65	52	*	-	0.6	49	73		4.13	12.6	7.54	
Camden Sq. (British Rainfall)	-	-	*	69	49	45	-	1.2	-	69	Wick ... {	4.20	12.6	7.52	
Kensington Palace ...	0.6c	6c	*	61	50	45	-	*	71	71		3.55	12.18	8.41	
											Average Rate.	30.8	12.18	8.39	
											Maximum Rate.	65	12.47	8.36	
											Milliwatts.		12.47	8.33	
												Valencia ... {	4.57	12.47	8.33
												4.58	12.47	8.33	

## NOTES ON THE WEATHER OF YESTERDAY.

Temperature continued low for the season in most localities, but a maximum temperature of 75° was reached at Falmouth. On the East coast the maximum was below 60°. at most stations. 12.6 hrs. of sunshine were recorded at Scilly and moderately large durations were reported in the Western districts generally, little being enjoyed in the East. Slight rain occurred in the East and South.

† Air Ministry Station.

\* Information for these columns not usually received.





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

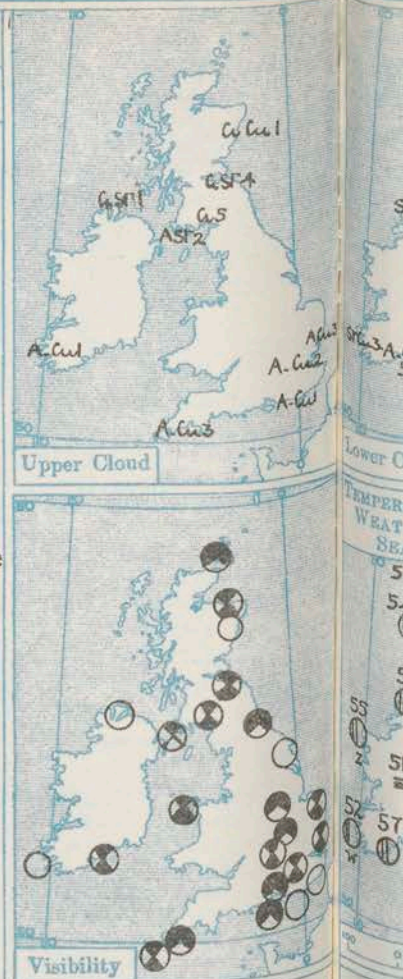
No 24,068 B TUESDAY, 29<sup>TH</sup> JULY, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.																													
STATIONS.	BAROM. at M.S.L. m.b.	† Change in 3 hours.	WIND.		WEATHER.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	BAROM. at M.S.L. m.b.	† Change in 3 hours.	WIND.		WEATHER.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	
			Direc.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Direc.	Force 0-12.											
13H. G.M.T. 28 <sup>TH</sup>															18H. G.M.T. OF 28 <sup>TH</sup>														
†Houton B. (Orkney)	10251	0	NW	2	bc	57	75	8	1-1500	St	3	as	2	3	10255	+1	NW	2	2	54	75	7	2-3000	St	1	as	2	3	
Eskdalemuir ...	10241	0	NNE	2	o	53	65	8	3-4000	St	10	-	-	*	10243	0	NNE	2	o	56	65	7	3-4000	St	9	-	-	*	
†Stranraer ...	10245	+1	-	0	o	55	82	8	3-4000	St	10	-	-	*	10245	0	-	0	2	58	55	8	3-4000	St	9	-	-	*	
†Lough Foyle ...	10253	0	N	2	c	57	82	7	2-3000	Cu	6	-	-	1	10258	0	NNE	2	b	54	82	8	2-3000	Cu	1	-	-	1	
Valencia (Cahire'n)	10238	0	NW	2	c	65	75	8	3-4000	Cu	5	as	2	2	10237	0	NW	3	b	62	75	8	2-3000	Cu	2	as	1	2	
†Anglesey (Llangefni)	10231	0	ENE	1	o	58	75	6	5-7000	St	10	-	-	3	10234	0	NW	1	bc	58	65	8	5-7000	St	1	as	3	3	
Falmouth ...	10216	+1	SE	2	bc2	64	75	5	-	-	-	as	5	*	10216	-1	SE	1	bc2	61	75	6	-	St	5	as	2	*	
†Calshot (Hants) ...	10214	0	NE	1	c	62	55	8	3-4000	Cu	5	as	2	4	10214	+1	NNE	1	o	60	87	6	3-4000	St	10	-	-	4	
†Capel (Folkestone)	10214	0	NE	1	c	62	55	8	3-4000	Cu	5	as	2	4	10215	0	NNE	3	o	54	92	7	1-1500	Cu	10	-	-	3	
1H. G.M.T. OF 29 <sup>TH</sup>															7H. G.M.T. OF 29 <sup>TH</sup>														
Aberdeen ...	10239	-1	NW	4	o	58	65	8	-	Cu	9	-	-	-	10240	0	NW	4	b	60	55	8	-	-	-	-	-	3	
†East Fortune ...	10245	0	NE	1	c	57	75	7	3-4000	St	6	as	2	*	10239	0	NE	1	2	60	65	7	1-9000	St	2	-	-	*	
†Falmorough Hs.	10212	0	NNE	5	d	52	98	4	4-500	St	10	-	-	*	10227	+2	N	3	0	52	92	6	2-3000	St	10	-	-	*	
†Felixstowe ...	10218	-1	NW	2	Ty	54	92	5	1-1500	Cu	10	-	-	*	10216	0	NE	1	0	56	98	6	2-3000	Nb	5	as	3	3	
†Cranwell (Lincs)	10218	-1	NW	2	Ty	54	92	5	1-1500	Cu	10	-	-	*	10225	+1	NNE	3	0	52	98	6	1-1500	Nb	10	-	-	*	
†Bedford ...	10215	0	N	2	o	58	55	4	5-7000	St	10	-	-	*	10215	0	N	2	om	56	75	8	5-7000	St	10	-	-	*	
Benson ...	10213	0	N	2	o	59	65	5	-	-	-	-	-	*	10215	0	N	1	o	56	75	6	-	St	10	-	-	*	
London (Kew Obs.)	10216	0	N	2	om	57	65	5	-	Cu	7	as	3	*	10214	0	N	2	o	59	65	5	-	St	7	as	3	*	
1H. G.M.T. OF 29 <sup>TH</sup>															7H. G.M.T. OF 29 <sup>TH</sup>														
†Houton B. (Orkney)	10251	-1	NW	1	of	49	98	0	4-500	St	10	-	-	1	10234	0	NW	2	o	48	98	7	1-1000	St	10	-	-	1	
Eskdalemuir ...	10260	0	NW	1	bcw	40	92	5	-	-	-	-	-	*	10251	0	NNE	1	bcw	51	87	5	-	-	-	-	5	*	
†Stranraer ...	10253	0	-	0	b	40	98	-	-	-	-	-	-	*	10250	-1	NW	1	3	53	98	6	2-3000	St	5	as	2	*	
†Lough Foyle ...	10253	0	-	0	b	40	98	-	-	-	-	-	-	*	10263	0	SW	1	c	53	92	8	2-3000	St	7	as	1	1	
Valencia (Cahire'n)	10257	+2	-	0	bc	55	*	*	*	*	*	*	*	*	10252	+1	NE	2	bcw	52	98	10	-	St	3	as	1	2	
†Anglesey (Llangefni)	10243	+2	NNE	1	o	48	92	-	1-1500	St	10	-	-	4	10246	+1	-	0	b	52	98	6	-	St	6	as	3	2	
Falmouth ...	10234	0	SE	2	om	55	98	4	-	St	10	-	-	*	10234	0	ESE	1	03	56	87	3	-	St	6	as	3	*	
†Calshot (Hants) ...	10230	0	N	1	o	55	87	6	3-4000	St	9	-	-	2	10232	0	NNE	2	o	56	82	6	2-3000	St	8	as	2	3	
†Capel (Folkestone)	10230	0	N	1	o	55	87	6	3-4000	St	9	-	-	2	10219	+1	NNE	4	o	51	98	7	1-1500	St	10	-	-	4	
†Aberdeen ...	10241	+1	NW	3	o	51	92	5	1-1500	St	10	-	-	*	10248	0	NW	4	b	54	82	8	-	-	-	-	1	3	
†East Fortune ...	10253	0	-	0	w	44	98	-	5-7000	St	2	-	-	*	10256	0	-	0	of	51	92	4	4-5000	St	4	as	4	*	
†Falmorough Hs.	10225	-1	N	4	o	51	82	-	4-500	St	10	-	-	*	10228	+1	NNE	5	d	51	87	7	1-1500	St	10	-	-	*	
†Felixstowe ...	10235	0	N	2	o	50	92	6	2-3000	St	10	-	-	*	10225	0	N	3	o	54	87	5	4-5000	St	6	as	3	3	
†Cranwell (Lincs)	10235	0	N	2	o	50	92	6	2-3000	St	10	-	-	*	10232	0	N	3	o	51	92	6	1-1500	St	10	-	-	*	
†Bedford ...	10235	0	N	2	o	50	92	6	2-3000	St	10	-	-	*	10235	0	N	2	o	52	75	3	5-7000	St	10	-	-	*	
Benson ...	10231	0	N	1	c	55	*	*	*	*	*	*	*	*	10231	0	N	3	o	53	87	4	-	St	10	-	-	*	
London ...	10231	0	N	1	c	55	*	*	*	*	*	*	*	*	10230	0	N	3	om	54	75	4	-	St	8	as	2	*	
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																													
STATIONS.	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND.		WEATHER.	BAROMETER.		TEMPERATURE.		WIND.		DIREC. of Upper Cloud.	WEATHER.	SEA 0-9.	RAINFALL mm.	TEMP.		WEATHER.			SUNSHINE Hours.								
			at M.S.L. m.b.	Change in 3 hours.		Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.	Max. °F.	Min. °F.					Morning.	Afternoon.	Night.											
18H. G.M.T. OF 28 <sup>TH</sup>															7H. G.M.T. OF 29 <sup>TH</sup>										24 HOURS ENDED 7H. 29 <sup>TH</sup>				
Lerwick ...	10233	52	NNE	4	om	10233	-1	52	0	NW	4	NW	cm	3	-	57	47	bc	om	cm	*								
Stornoway ...	10267	56	NE	2	c	10267	0	51	0	N	3	-	bc	1	-	59	50	o.c.o.	o.c.	c.b	0.5								
Castlebay (Barra's)	10258	61	N	3	b	10258	0	54	0	NW	4	-	bc	*	-	62	52	bc	bc	bc	14.5								
Glasgow ...	10241	62	SSW	2	b2	10256	0	48	-2	SSE	1	-	cy	*	-	64	44	og.c.	c.b	b2	6.6								
Malin Head ...	10251	56	NNE	2	b	10255	0	52	-1	SW	2	N	bc	2	-	60	50	bc2	bc	bc	10.9								
Blacksod Point	10244	57	NNE	3	br	10256	0	55	-1	N	1	-	bcy	2	-	61	54	bc	bcv	br	*								
Roche's Point...	10238	61	SSW	1	bc	10252	0	57	15	NW	1	N	bc	1	-	64	55	b2.c	c.o.b2	bcy	*								
Birr Castle ...	10236	63	NE	1	c	10261	*	51	0	NE	1	-	m	*	-	66	45	f.c	bc	cy	6.8								
Donaghadee ...	10243	58	SE	2	bcm	10253	0	55	+2	N	1	-	b	1	-	62	46	bm.bom	bc	bm	*								
Liverpool (Bidston)	10234	57	NW	3	o	10246	0	53	+1	E	1	NE	bc	1	-	61	50	c	om	o.cw	1.2								
Holyhead ...	10236	60	E	2	bm	10246	0	56	+1	ENE	4	-	by	2	-	64	49	cm	bm	bw	2.5								
Pembroke (St. Ann's Head)	10229	61	NE	3	b	10246	+1	53	-2	N	2	-	c	2	-	65	50	c.o.	o.b	b.b.c	4.4								
Scilly (St. Mary's)	10220	63	-	0	c	10236	0	58	-1	ENE	1	E	cy	2	-	66	54	cm	cm	bm.c	9.2								
Jersey (St. Aubin)	10215	50	ENE	3	bm	10234	0	55	-	NE	4	-	o	3	-	?	?	bm.	bm	oim	?								
Portland Bill ...	10262	60	NE	4	bc	10223	+1	57	+2	NE	4	NE	bc	*	-	62	53	c.o.c	c.b	bc	*								
Dungeness ...	10199	57	NNE	3	c	10211	0	53	0	NNE	3	N	c	3	-	59	49	c.	c.p.c.	c.b.c	*								
Wick ...	10248	55	NW	3	bc	10252	0	49	-2	WNW	3	-	om	2	-	59	47	cm	c.b	bm.om	*								
Nairn ...	10252	60	E	2	bc	10251	*	53	+4	-	0	-	bc	0	-	65	42	o.c.b.	bc	bcw	7.3								
Leith ...	10233	64	E	1	b	10246	0	50	-1	NW	1	NE	bc	1	-	65	46	o.c.b	b	b.bm	*								
Tynemouth ...	10238	53	NNE	5	cy	10239	0	52	+1	NNE	4	-	r	4	0.2	55	50	og	bcy	og	0.0								
Spurn Head ...	10217	54	NNE	4	bc	10226	0	53	+1	NW	4	-	o	4	1	55	50	og.pd	og.pd	cp	1.9								
Yarmouth (Gorleston)	10195	57	NNE	4	bc	10208	0	52	+1	NNE	4																		



# SUMMARY OF CONDITIONS AT 7 A.M. Tuesday, 29th July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Nly. 5-15	R. Cool	Cloudy or dull, local mist	Good	Slight
2. E. England	Nly. 5-15	"	Cloudy or dull, local mist and drizzle.	Ord.	"
3. E. Midlands	N. 5-10	"	Dull, local mist.	Poor	"
4. W. Midlands	N-NE. 2-10	"	Fair to dull	Ord.	"
5. S.W. England	NE-E. 2-15	Moderate	Fair to dull, fog at Mullion	"	Smooth
6. South Wales	N. 0-5	"	Cloudy	Fair	"
7. North Wales	NE. 5-15	"	Fine, local haze.	Good	"
8. N.W. England	N-NE. 2-5	R. cool	Fair, local mist.	-	"
9. N. Midlands	N. 2-10	"	Fair to dull.	Good	"
10. N.E. England	Nly. 15-21	"	Variable sky, local drizzle and mist.	Ord.	Moderate
11. E. Scotland	NW-N. 5-15	Moderate	Variable sky, local mist.	Var.	Smooth
12. S.W. Scotland	Var. 0-2	Cool	Fair to cloudy, hazy	Fair	"
13. Isle of Man	N-NE. 2-10	Moderate	Fair or fine	Good	"
14. N. & N.W. Scotland	NW-N. 2-10	R. cool	Fair to dull, local mist.	-	"
15. Hebrides	NW-N. 10-15	Moderate	Fair.	-	"
16. Orkneys and Shetlands	NW. 5-15	"	Dull, local mist.	Good	"
17. N.W. Ireland	N. 2-5	"	Fair	V. good	"
18. N.E. Ireland	SW-N. 2-5	"	Fine to cloudy, local mist.	"	"
19. S.E. Ireland	N-NE. 0-5	R. cool	Fair generally, local mist.	Fair	"
20. S.W. Ireland	NW-NE. 2-5	Moderate	Fair	V. good	"



## GENERAL INFERENCE from observations received up to 10 a.m.

An anticyclone continues to dominate the greater part of the British Isles, the eastern districts being affected to some extent by a low centred over Denmark. No important change in the general conditions is indicated.

**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 & clouded.  
 ⊙ sky & clouded. ⊙ sky & clouded.  
 ⊕ overcast sky. ⊕ rain falling.  
 \* snow. ▲ hail. ≡ fog. ≡ mist.  
 T thunder. T thunderstorm.  
**SEA DISTURBANCE.**—  
 Rough High

Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 29th July, 1919
1. S.E. England	Moderate Nly. winds. Cloudy, occasional drizzle or showers locally. Cool,
2. E. England	
3. E. Midlands	
4. W. Midlands	Light Nly. winds. Fair to cloudy.  Rather cool,
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	Moderate NW. winds. Cloudy, some local showers. Cool.
11. E. Scotland	
12. S.W. Scotland	Same as for 4-9
13. Isle of Man	
14. N. & N.W. Scotland	Same as for 10-11
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Same as for 4-9
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	



# SYNOPTIC CHART FOR MORNING OF TUESDAY, 29<sup>TH</sup> JULY, 1919.

Scale - 1:10,000,000  
Nautical Miles. 100 0 100 200  
Statute Miles. 100 0 100 200





WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR.....28 <sup>TH</sup> .....																			
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. ...27 <sup>TH</sup> ...	Day. 9h-17h. ...28 <sup>TH</sup> ...	to 17h. ...28 <sup>TH</sup> ...	Sunrise to Sun- set ...27 <sup>TH</sup> ...			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. ...27 <sup>TH</sup> ...	Day. 9h-17h. ...28 <sup>TH</sup> ...	to 17h. ...28 <sup>TH</sup> ...	Sunrise to Sun- set ...27 <sup>TH</sup> ...
Scotland.	Oban ... ..	b.	b.	63	43	-	-	11.7	2.0	England, N.W.	Douglas (I.O.M.)	-	-	59	48	-	-	2.0	-
	Banff ... ..	o	p.	58	48	0.3	-	1.5	-		Blackpool ... ..	o	c	61	51	-	-	0.6	-
	Montrose ... ..	-	-	60	47	-	-	3.2	-		Southport ... ..	o	o.c.b.c.	59	50	-	-	1.0	-
	St. Andrews ... ..	b.c.	c	63	49	-	-	1.9	-										
England, N.E.	Harrogate ... ..	o	o	55	48	-	-	0.0	1.4	Midlands.	Buxton ... ..	b.c.a.b.c.	b.c.	56	45	-	-	2.2	-
	Skegness ... ..	opd.	opd.	58	48	1	-	0.8	-		Leamington Spa...	o.	o	60	46	-	-	0.0	-
											Malvern ... ..	2.	2	60	50	-	-	3.0	-
											Ross-on-Wye ... ..	om.b.c.o	o.c.2.og	61	51	-	-	3.4	7.7
England, E.	Felixstowe ... ..	o	o	59	48	-	-	0.2	2.2	Wales.	Rhyl ... ..	c.	c.b.c.	60	50	-	-	0.9	3.6
	Walton-on-Naze...										Colwyn Bay ... ..	-	-	60	52	-	-	0.8	4.2
	Southend-on-Sea...	o	o	59	51	-	-	0.2	1.0		Llandudno ... ..	c	c	60	52	-	-	1.0	3.5
											Aberystwyth ... ..	o.o.c.	c.c.o	62	58	-	-	0.7	-
England, S.E.	Margate ... ..	o	o	58	52	-	-	0.0	-	England, S.W.	Weymouth ... ..	c.	c.b.c.	66	54	3	-	3.6	-
	Ramsgate ... ..	o	o	63	51	-	-	0.2	0.9		Teignmouth ... ..	c.	c.b.c.	64	57	-	-	1.5	-
	Folkestone ... ..	-	-	58	51	-	-	0.0	-		Torquay ... ..	op.c.b.c.	b.c.	61	57	0.1	1	3.0	4.2
	Hastings ... ..	b.c.o	o	58	51	-	-	0.1	1.8		Paignton ... ..	op.c.p	b.c.	63	56	-	0.2	2.5	-
	Eastbourne ... ..	b.c.o	o	60	50	-	-	3.0	2.0		Penzance ... ..	c.b.c.	c.2	67	56	-	-	6.1	13.5
	Brighton ... ..	c.	o.	60	51	-	-	4.2	0.9		Newquay ... ..	m.b.c.	c.b.m	64	55	-	-	3.4	12.1
	Worthing ... ..	b.c.	c.o	60	51	-	-	5.0	0.9		Bude ... ..	b.c.c.b.c.	c.b.c.	69	48	-	-	7.2	-
	Littlehampton ... ..	b.	b.c.o	61	51	-	-	3.8	-		Ilfracombe ... ..	c.b.c.c	c	63	56	-	-	3.5	-
	Bournemouth ... ..	-	-	64	51	-	-	6.0	0.5		Weston-s-Mare ... ..	c.b.c.b	b.b.c.	65	53	-	-	7.5	-

STATIONS.	SUMMARIES FOR PAST 24 HOURS.									Sun. Hours.
	WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	RAINFALL.		
	7h-13h. <sup>28</sup>	13h-18h. <sup>28</sup>	18h-24h. <sup>28</sup>	1h-7h. <sup>29</sup>				Day. 7h-18h.	Night. 18h-7h.	
†Houton Bay (Orkney)...	c.o.2	q.b.bc	of.2.e.	of.e	58	44	*	*	*	*
Eskdalemuir ... ..	o	o	b.b.w.	b.w.b.c.w.3	58	35	2.9	-	-	2.3
†Stranraer ... ..	o	c	b.2.	3.e	62	36	*	*	*	*
†Lough Foyle ... ..	b.c.c	b.b.c.v.		b.c.c.v	58	48	*	*	*	*
Valencia (Cahirciveen) ...	o.c	o.c	b.c.b.c.v		64	48	4.1	-	-	6.8
†Anglesey (Llangefni) ...	og	c.b.bc	b.bc	b.e.m.	61	37	*	*	*	*
Falmouth ... ..	om.c	o.2.c.2	b.om	om.o.3	66	53	4.6	-	-	5.3
†Calshot (Hants) ... ..	c.o	b.o	c.o	c	63	54	*	*	*	*
†Capel (Folkestone)...		opd.o		o.r.	57	49	*	*	*	*
Aberdeen ... ..	c.opd.	c.b.c.b	b.o.d.c.b		62	49	4.6	-	-	7.4
†East Fortune ... ..	c.b.	v.b.bc	v.b.bc	v.r.f.	62	40	*	*	*	*
†Flamborough Hd ... ..	o	o	og	c.q	57	49	*	*	*	*
†Felixstowe ... ..		cp.o		c.op	60	50	*	*	*	*
†Cranwell (Lincs) ... ..	c.o.	d.r.	c.o.	o.o.m.	55	49	*	*	*	*
†Bedford ... ..	c.o	o.2		om.p	60	46	*	*	*	*
Benson ... ..	o	o	r.o		60	52	5.2	-	0.4	*
London (Kew Obsy.) ...	c.o	o.	o.b.c.o.m		59	52	5.1	-	trace	0.1

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.	Metres per second.
0	Less than 1	Less than 0.5
1	1-3	0.5-1.5
2	4-7	1.5-3.3
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.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.					
				24 HOURS ENDED 29 <sup>th</sup> G.M.T. ... 29 <sup>th</sup>									YESTERDAY.	TO-DAY.	29 <sup>th</sup> + 30 <sup>th</sup> JULY 1919.
Greenwich (Royal Observatory)	0	0	0.0 to	59	51	50	1	0.3	72	81	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Stations.	Sunrise.	Noon.	Sunset.
City (Bunhill Row) ...	*	*	*	*	*	*	*	?	*	*		G.M.T.	G.M.T.	G.M.T.	
Westminster (St. James's Park)	*	*	*	60	53	53	0.1	0.3	80	87		Yarmouth... { Greenwich { Wick ... { Valencia ... {	G.M.T.	G.M.T.	G.M.T.
(Admiralty Arch)	03	03	02	59	52	*	0.1	0.1	71	80			4.7	11.59	7.50
Camden Sq. (British Rainfall)	0	0	*	61	52	51	-	0.0	69	77			4.8	11.59	7.49
Kensington Palace ...	0	0	*	59	51	51	0.2	*	80 (18h)	82	Total ..... 656 ..... joules.	Greenwich {	4.20	12.6	7.52
											Milliwatts.	Greenwich {	4.21	12.6	7.51
											Average Rate. 11.7	Wick ... {	3.57	12.18	8.39
											Maximum Rate. 33	Valencia ... {	3.59	12.18	8.37
													4.58	12.17	8.37
													4.59	12.17	8.36

NOTES ON THE WEATHER OF YESTERDAY.

Except for slight local showers or drizzle in the eastern districts the day was generally without rain. Bright sunshine was again most abundant in the west, 14.5 hours being registered at Castlebay (Barra Island). Temperature remained low in the eastern districts, the maximum reading being no higher than 55° at Tynemouth and Spurn Head, and failing to reach 70° in any part of these Islands.





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

No 21,969B WEDNESDAY, 30<sup>TH</sup> JULY 1919.

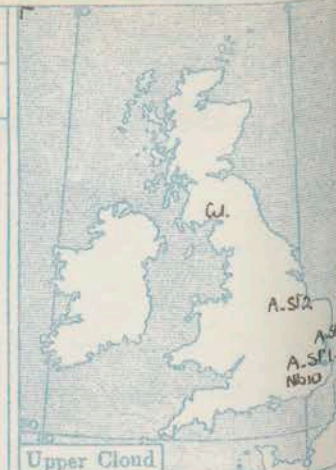
OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	13H. G.M.T. OF 29 <sup>TH</sup>													18H. G.M.T. OF 29 <sup>TH</sup>														
	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea
			Dir.	Force						Form.	Amt.	Form.	Amt.				Dir.	Force						Form.	Amt.	Form.	Amt.	
Houton B. (Orkney)	1024.1	-2	W	4	o	54	75	8	3400	St	10	-	-	3	1023.7	0	WNW	5	o	51	82	8	3400	St	10	-	-	3
Eskdalemuir	1023.7	0	NE	2	bc2	66	45	7	-	Cu	1	ci	5	*	1023.0	-1	ENE	1	bvy	64	55	10	-	-	-	-	-	*
Stranraer	1024.3	-1	NNW	1	b	66	75	8	5700	St	2	ci	1	*	1024.0	-1	NNW	2	b	62	75	6	-	-	ci	3	1	*
Lough Foyle	1024.3	0	WSW	2	bc	64	75	8	3400	Cu	5	-	-	2	1023.1	0	W	1	c	60	87	8	3400	Cu	7	-	-	2
Valencia (Cahire'n)	1025.3	0	WSW	2	bc	64	75	8	3400	Cu	5	-	-	2	1025.1	0	W	1	c	60	87	8	3400	Cu	7	-	-	2
Anglesey (Llangefni)	1024.4	-1	NE	1	bc	63	65	7	3400	Cu	2	ci	2	2	1024.3	+1	N	1	bc	61	65	8	3400	Cu	4	ci	2	3
Falmouth	1024.4	0	SE	2	bc2	62	75	3	-	-	-	aci	2	*	1023.0	-2	SSE	1	b.o	62	75	5	-	St	4	ci	3	*
Calshot (Hants)	1023.9	0	N	1	o	62	82	7	3400	Cu	8	-	-	4	1022.8	-1	NE	1	o	60	75	6	5700	St	10	-	-	4
Capel (Folkestone)	1022.5	0	N	4	o	55	75	7	3400	St	10	-	-	4	1022.4	0	N	2	v	53	82	8	3400	St	10	-	-	4
Aberdeen	1024.3	-1	ENE	4	b	60	65	8	-	Cu	1	-	-	4	1024.3	0	SE	1	c	55	75	8	-	St	8	-	-	3
East Fortune	1024.7	0	NE	2	v	65	55	8	5700	St	1	ci	1	*	1023.7	-2	NE	2	2	56	92	5	3400	St	3	-	-	*
Flamborough Hd.	1022.8	0	N	3	o	56	75	7	12200	St	4	ci	5	*	1023.0	0	N	3	T	52	98	6	11500	St	5	ci	5	*
Felixstowe	1022.9	0	NNW	3	o	57	75	6	3400	St	6	aci	4	3	1022.5	0	N	1	o	56	75	6	3400	St	8	aci	2	3
Cranwell (Lincs)	1023.3	0	NNE	2	o	56	98	7	12200	St	7	aci	3	*	1023.0	-1	NE	1	o	57	75	7	2300	St	6	aci	3	*
Bedford	1023.8	0	N	2	o	59	55	4	7900	St	10	-	-	*	1023.0	-1	ENE	1	o	57	65	4	7900	St	9	-	-	*
Benson	1023.2	-1	NNW	3	o	58	65	4	-	-	-	-	-	*	1022.5	0	N	1	o	58	65	6	-	St	8	-	-	*
London (Kew Obs.)	1023.5	-1	N	3	om	58	65	6	-	St	10	-	-	*	1022.7	0	N	1	om	58	65	6	-	St	7	aci	3	*
1H. G.M.T. OF 30 <sup>TH</sup>														7H. G.M.T. OF 30 <sup>TH</sup>														
Houton B. (Orkney)	1023.6	0	W	3	agz	48	98	3	-	-	-	-	-	-	1022.5	-1	W	4	r.f.	49	98	2	7500	Nb	10	-	-	4
Eskdalemuir	1024.6	0	-	0	bw	43	92	7	-	-	-	-	-	-	1024.0	0	-	0	bmew	46	92	4	1-1500	St	1	ci	1	*
Stranraer	1024.3	0	NW	1	b	43	98	-	2300	St	2	-	-	*	1024.3	0	NNW	3	o	53	87	6	1-1500	St	9	-	-	*
Lough Foyle	1027.1	0	NNW	2	bc	51	*	*	*	*	*	*	*	*	1026.0	+1	-	0	f	57	98	0	-	-	-	-	-	2
Valencia (Cahire'n)	1027.1	0	NNW	2	bc	51	*	*	*	*	*	*	*	*	1026.0	+1	-	0	f	57	98	0	-	-	-	-	-	2
Anglesey (Llangefni)	1025.0	+1	-	0	o	46	98	0	11500	St	10	-	-	2	1024.8	0	-	0	3	55	92	6	-	-	-	-	-	3
Falmouth	1024.1	0	NW	4	bo	54	87	5	-	-	-	-	-	*	1023.3	0	NNW	3	bm	58	98	4	-	-	-	-	-	*
Calshot (Hants)	1023.6	+1	-	0	o	56	75	6	5700	St	6	aci	3	2	1023.7	0	NNE	1	o	54	75	8	2-3000	St	10	-	-	3
Capel (Folkestone)	1022.9	+2	E	1	Thoy	51	92	8	-	St	10	-	-	2	1022.9	0	NNE	3	o	53	87	8	3-4000	St	10	-	-	4
Aberdeen	1022.9	-1	-	0	o	50	92	5	11500	St	10	-	-	*	1023.5	0	S	2	om	51	92	6	-	St	10	-	-	3
East Fortune	1024.6	-	WSW	2	c	51	92	4	11500	St	3	aci	4	*	1023.8	-1	-	0	of	50	98	2	-	-	-	-	-	*
Flamborough Hd.	1022.8	+3	N	2	T	51	92	4	11500	St	10	-	-	*	1024.7	+2	-	0	o	51	87	6	1-1500	St	10	-	-	*
Felixstowe	1023.6	0	W	1	o	51	55	-	2300	St	10	-	-	3	1024.1	+2	N	2	o	54	87	5	2-3000	St	8	aci	1	2
Cranwell (Lincs)	1024.1	+1	NNE	1	o	51	98	6	11500	St	10	-	-	*	1024.3	0	N	2	o	52	92	6	11500	St	6	aci	2	*
Bedford	1023.8	0	N	2	o	51	98	6	11500	St	10	-	-	*	1023.8	+1	NNE	2	r.f.	52	82	2	12200	St	10	-	-	*
Benson	1023.2	0	N	2	o	51	98	6	11500	St	10	-	-	*	1023.5	+1	N	2	o	53	87	5	-	Cu	10	-	-	*
London (Kew Obs.)	1023.5	0	NNW	2	b	55	*	*	*	*	*	*	*	*	1023.6	+1	ENE	2	o3	54	65	4	-	St	9	aci	1	*
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.															24 HOURS ENDED 7H. 30 <sup>TH</sup>													
STATIONS.	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea	Rainfall mm	TEMP.		WEATHER.			Sunshine Hours.							
			at M.S.L. m.b.	Change in 3 hours.		Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.	Max. °F.	Min. °F.					Morning.	Afternoon.	Night.										
Lerwick	1021.1	53	W	3	om	1018.9	-3	52	0	WSW	3	-	jd	2	0.3	56	50	om	om	jd	0.6							
Stornoway	1024.8	56	NE	3	c	1023.4	0	51	0	N	3	-	c	1	-	58	50	bc.o	o.c.	c.bc	3.1							
Castlebary (Barra)	1025.9	54	NW	3	o	1024.3	0	51	-3	W	2	-	o	2	Trace	56	49	bc.o	o.	op	3.4							
Glasgow	1023.1	67	W	3	bc	1024.0	0	51	+3	WSW	1	-	cm	*	-	69	46	c.bc2.	bc2.	bc.bm	9.4							
Malin Head	1025.2	57	N	2	b	1024.3	-1	54	+2	NW	1	-	ogr	1	-	59	51	bc.	bcv.	ogr	9.8							
Blacksod Point	1025.2	62	NW	1	b	1024.8	+1	55	0	W	1	W	bc	1	-	64	49	bc.	b	b.bm	*							
Roche's Point	1025.1	63	S	1	b	1025.4	0	55	-2	N	1	-	b	1	0.1	66	50	bc.b	b2.	b2.	*							
Birr Castle	1024.4	66	NE	1	c	1025.2	*	50	-1	NE	1	-	f	*	-	69	45	c	c	bc.f	12.2							
Donaghadee	1024.5	59	N	2	bc2	1024.3	0	54	-1	NW	2	NW	bc2.	2	-	67	46	bm	bc2.	bc2.	*							
Liverpool (Bidston)	1023.4	61	WNW	3	b	1024.4	0	54	+1	S	1	-	b	1	-	62	52	bm	bm	bm	8.5							
Holyhead	1024.5	60	NNE	3	b	1024.2	0	56	0	SE	1	-	by	0	Trace	63	51	b2.	b2.	by	13.7							
Pembroke (St. Ann's Head)	1024.3	62	N	2	b	1024.5	0	55	-2	N	1	-	by	1	-	65	50	bc.b	b	b	9.0							
Scilly (St. Mary's)	1024.5	61	NE	2	bm	1024.4	0	55	-3	NE	1	-	bc	2	-	68	51	bc.cm	bc.bm	bc.bm	8.0							
Jersey (St. Aubin)	1023.6	60	NNE	4	bm	1023.5	0	54	-1	NNW	3	-	o	2	-	63	54	bm	bm	ogr	*							
Portland Bill	1022.8	60	ENE	1	om	1023.0	0	56	-1	ENE	3	-	o	3	-	63	54	bc.o	om	o	*							
Dunegness	1021.9	56	NNE	3	c	1022.1	0	54	+1	NNE	3	NE	c	3	-	59	51	c	c	c.o.c	*							
Wick	1023.5	54	NNW	3	o	1022.5	0</																					



# SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 30th July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NE. 5-10	R. cool	Cloudy or dull, local mist and drizzle	Good	Slight
2. E. England	NW-N. 2-10	"	Dull, local mist and drizzle	Ord.	Smooth
3. E. Midlands	Nly. 2-5	"	Cloudy or dull, local drizzle	Poor	"
4. W. Midlands	N-NE. 0-5	"	Fine to cloudy.	Ord.	"
5. S.W. England	NNW-NE. 2-10	"	Variable sky, local mist	"	Smooth
6. South Wales	N. 2-5	Moderate	Fine, local haze	"	"
7. North Wales	N-NE. 0-5	"	Fine, hazy.	Good	"
8. N.W. England	Var. 0-5	R. cool	Fair to fine, local mist.	"	"
9. N. Midlands	Var. 0-2	"	Fine or cloudy.	Good	"
10. N.E. England	Var. 0-5	Cool	Dull, local fog.	Var.	Smooth
11. E. Scotland	SE-SW. 0-5	R. cool	Dull, local fog and rain	"	"
12. S.W. Scotland	SW-NW. 2-10	Cool	Cloudy or dull, local mist.	Fair	"
13. Isle of Man	NW-N. 0-5	Moderate	Variable sky.	"	"
14. N. & N.W. Scotland	SW-NW. 0-5	"	Cloudy or dull.	"	"
15. Hebrides	W-N. 5-10	R. cool	Cloudy or dull.	"	"
16. Orkneys and Shetlands	SW-W. 10	Moderate	Some drizzle and fog.	V. poor	Slight
17. N.W. Ireland	W-NW. 2	"	Fair to dull, local mist	Good	Smooth
18. N.E. Ireland	NW. 2-5	"	Fair to dull, local mist.	Ord.	"
19. S.E. Ireland	N-NE. 2-5	R. cool	Fine, local fog	Fair	"
20. S.W. Ireland	N. 0-2	Moderate	Fine, local fog.	Bad.	"



**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 & clouds. ○ sky & clouds. ○ overcast sky. ● rain falling. \* snow. ▲ hail. ≡ fog. ≡ thunder. T thunder. T thunderstorm.  
**SEA DISTURBANCE.**— Rough. High.

## GENERAL INFERENCE from observations received up to 10 a.m.

An anticyclone which now lies off the south-west of Ireland will maintain generally fair weather over our south-western districts. A Westerly wind current is spreading southward over Scotland. Temperature is likely to remain low for the season in the eastern districts.

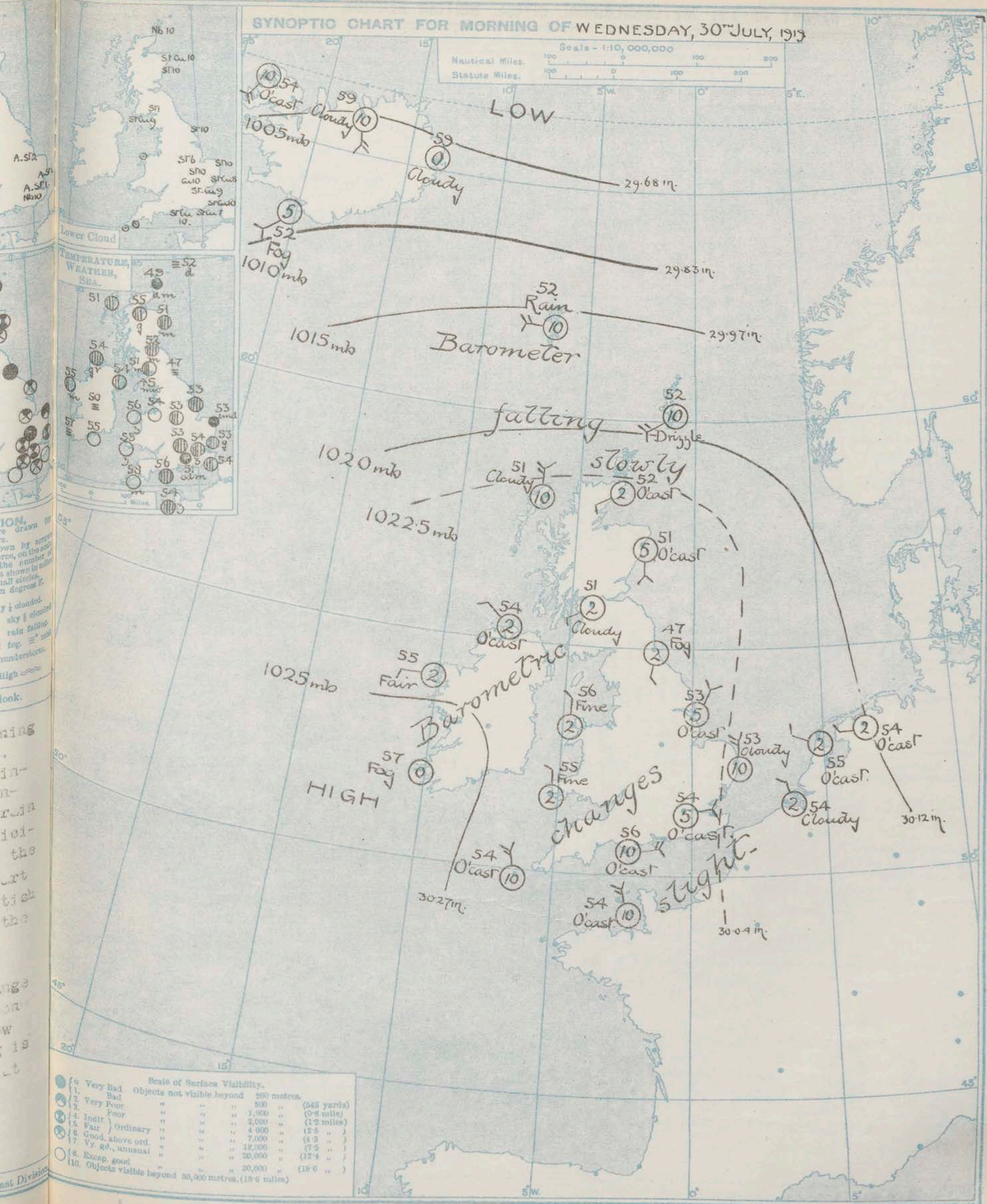
Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday, 30th July, 1919
1. S.E. England	Light Nly. wind. Cloudy, some mist. Cool.
2. E. England	
3. E. Midlands	
4. W. Midlands	Light winds between W. and N. Fair generally. Temperature moderate to rather cool.
5. S.W. England	
6. South Wales	
7. North Wales	Light W. winds. Fair to cloudy, local showers. Temperature moderate to rather cool.
8. N.W. England	
9. N. Midlands	
10. N.E. England	Moderate W. wind. Cloudy to dull, some rain. Temperature moderate to rather cool.
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Light Wly. or variable winds. Fair to cloudy, some mist or east fog. Moderate temperature.
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	

**Further Outlook.**  
 A freshening of the Wly. wind with increased tendency for rain may be anticipated over the Northern part of the British Isles. In the Southern districts little change from the conditions now prevailing is indicated at present.



# SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 30<sup>th</sup> JULY, 1919

Scales - 1:10,000,000  
Nautical Miles. 100 0 100 200  
Statute Miles. 100 0 100 200





# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 211.B

WEDNESDAY  
30th JULY 1919

DAILY WEATHER REPORT THE METEOROLOGICAL OFFICE, LONDON																			
WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 29 <sup>th</sup>																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-19h. 28 <sup>th</sup>	Day. 9h-17h. 29 <sup>th</sup>	to 17h. 29 <sup>th</sup>	Sunrise to Sun- set. 28 <sup>th</sup>			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-19h. 28 <sup>th</sup>	Day. 9h-17h. 29 <sup>th</sup>	to 17h. 29 <sup>th</sup>	Sunrise to Sun- set. 28 <sup>th</sup>
Scotland.	Oban ... ..	bc.m.	bc.b	60	45	-	-	10.1	14.6	England, N.W.	Douglas (I.O.M.)	-	-	66	45	-	-	11.8	2.0
	Banff ... ..	bc.	bc	58	50	-	-	67	2.1		Blackpool ... ..	c.	bc.	65	43	-	-	8.5	1.1
	Montrose ... ..	-	-	64	47	-	-	74	57		Southport ... ..	o.c.bc	bc.b	63	44	-	-	7.7	1.0
	St. Andrews ... ..	b	b	66	40	-	-	9.9	7.2										
England, N.E.	Harrogate ... ..	o.c.	bc.c	59	48	-	-	3.5	0.3	Midlands.	Buxton ... ..	bc.	bc.b.bc	64	43	-	-	6.1	2.2
	Skegness ... ..	o.c.	o.	64	57	0.1	-	0.4	0.8		Leamington Spa... ..	c	c	62	52	-	-	2.3	0.0
											Malvern ... ..	z	z	63	53	-	-	5.0	3.0
											Ross-on-Wye ... ..	omg.c2.	c2.boy2.	64	53	-	-	5.4	3.4
England, E.	Felixstowe ... ..	o	o	58	51	-	-	1.0	0.6	Wales.	Rhyl ... ..	bc.c.bc	bc.b	63	42	-	-	10.5	2.7
	Walton-on-Naze... ..	o	o	57	52	-	-	0.0	0.7		Colwyn Bay ... ..	-	-	64	44	-	-	10.8	3.4
	Southend-on-Sea... ..	o	o	57	52	-	-	0.0	0.7		Llandudno ... ..	b	b	64	44	-	-	10.7	3.2
											Aberystwyth ... ..	c.bc	b.bc	63	48	-	-	9.0	0.7
England, S.E.	Margate ... ..	o	o	57	53	-	-	0.0	0.0	England, S.W.	Weymouth ... ..	bc.o.c	c2.	67	56	-	-	3.7	5.2
	Ramsgate ... ..	o	o	57	51	0.4	-	0.1	0.3		Teignmouth ... ..	c	c.bc	64	53	-	-	0.5	2.5
	Folkestone ... ..	-	-	60	54	0.1	-	0.5	0.0		Torquay ... ..	o.c.	c.bc	63	53	-	-	1.2	3.6
	Hastings ... ..	bc.o	o	59	53	-	-	1.2	0.1		Paignton ... ..	o.c	c.bm	64	50	-	-	0.3	2.5
	Eastbourne ... ..	bc.o	o.bc.o	62	54	-	-	1.2	3.0		Penzance ... ..	o.c.	c.bc.c	66	56	-	-	0.6	6.8
	Brighton ... ..	o	o	61	54	-	-	0.6	4.2		Newquay ... ..	m.	m.	64	52	-	-	0.1	4.0
	Worthing ... ..	o.c.	c.o	59	54	-	-	1.2	5.0		Bude ... ..	o.c.	bc	74	54	-	-	2.4	7.2
	Littlehampton ... ..	o.	bc.o	61	53	-	-	1.0	3.8		Ilfracombe ... ..	o.c.	c.bc.b2	65	57	-	-	5.2	3.5
	Bournemouth ... ..	-	-	65	49	-	-	4.5	6.0		Weston-s-Mare ... ..	om.bc	bm.	67	54	-	-	5.0	7.5

SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.										THE BEAUFORT SCALE OF WIND FORCE.		
STATIONS.		WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.		Sun. Hours.				Limits of Velocity.							
		7h-13h. <sup>TH</sup>	13h-18h. <sup>TH</sup>	18h-23h. <sup>TH</sup>	1h-7h. <sup>TH</sup>				Day. 7h-13h.	Night. 18h-7h.												
†Houton Bay (Orkney)...		ov.	ov.	pd. 2.052	pd. r	58	46	*	*	*	*	11.4										
Eskdalemuir ...		bc. bcy.	by. by.	b. bw	bm. w. f.	69	37	37	-	-	*											
†Stranraer ...		b. bc. bc.	b. bc.	T. 2.0	c. o	66	36	*	*	*	*											
†Lough Foyle ...		b. bc.	b. bc.			5	*	*	*	*	*											
Valencia (Cahiriveen) ...		b. bc.	bc. c	c3. bcf		65	52	47	-	-	*	9.5										
†Anglesey (Llangefni) ...		b. bc.	bc. c2	bc. c	b. ef.	63	37	*	*	*	*											
Falmouth ...		oy2.	oy. c2	bc	b	65	53	48	-	-	*	0.9										
†Calshot (Hants) ...		c. o	c. ow	bc. c	o	64	53	*	*	*	*											
†Capel (Folkestone)...		c. ov.	ov.	v. pd.	c. ov	58	48	*	*	*	*	*										
Aberdeen ...		b	b. bc.	c. o. bc. o		64	45	39	-	-	*	11.5										
†East Fortune ...		v. b. bc.	b. bc. bc.	b. bc. bc.	d. ef.	66	40	*	*	*	*											
†Flamborough Htd...		q. pd.	z. q.	q. T.	o. d.	59	49	*	*	*	*											
†Felixstowe ...		o.	o	op. d.	o	57	50	*	*	*	*	*										
†Cranwell (Lines) ...		o. c	o	op. d.	o. c	60	53	*	*	*	*											
†Bedford ...		o	o		om. pd.	59	49	*	*	*	*											
Benson ...		o	c	o		59	49	45	-	-	*											
London (Kew Obsy.) ...		om	o.	o. 03		58	51	50	-	-	*	0.1										

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. i 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.

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.										SOUTH KENSINGTON (Meteorological Office).				TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
WEATHER.										Humidity %							
Morning	Afternoon	Night	Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	15 h. G.M.T.	9 h. G.M.T.								
24 HOURS ENDED 30th G.M.T. ... 30th							YESTERDAY.		TO-DAY.								
Greenwich (Royal Observatory)	0	0	0	60	51	49	-	0.1	67	72	Vertical Component of Solar Radiation per Square Centimetre during yesterday.						
City (Bunhill Row) ...	*	*	*	*	*	*	*	0.0	*	*							
Westminster (St. James's Park)	*	*	*	60	52	52	-	0.1	81	84							
" (Admiralty Arch)	03	03	03	60	52	*	-	0.1	66	73							
Camden Sq. (British Rainfall)	0	0	*	62	51	51	-	0.0	66	72	Total ..... 631 ..... Joules.						
Kensington Palace ...	0	0	*	59	51	50	-	*	68 (18)	75	Milliwatts.						
											Average Rate. 11.3.						
											Maximum Rate. 57						
											Stations.						
											Sunrise.						
											Noon.						
											Sunset.						
											G.M.T.						
											G.M.T.						
											G.M.T.						
											Yarmouth...						
											4.8						
											11.59						
											7.49						
											4.10						
											11.59						
											7.47						
											Greenwich						
											4.21						
											12.6						
											7.49						
											4.23						
											12.6						
											7.47						
											Wick						
											3.59						
											12.18						
											8.31						
											4.1						
											12.18						
											8.35						
											Valencia						
											4.59						
											12.47						
											8.33						
											5.1						
											12.47						
											8.33						

## NOTES ON THE WEATHER OF YESTERDAY.

Temperature remained low for the season in the eastern districts, the maximum readings being below 60° at many stations. Good sunshine records were again obtained at many western stations (13.7 hours at Holyhead), while

more than 13 hours were also registered at Nairn. Except for very slight local showers or drizzle the day was generally without rain.





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

No 21,972B THURSDAY, 31<sup>ST</sup> JULY, 1919.

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

STATIONS.	OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.																												
	BAROM. at M.S.L.	Change in 3 hours.	WIND.		WEATHER.	TEMP.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	BAROM. at M.S.L.	Change in 3 hours.	WIND.		WEATHER.	TEMP.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	
	m.b.	0-12.	Dir.	Force		°F.				Form.	Amt. 0-10.	Form.	Amt. 0-10.		0-9.	m.b.	0-12.	Dir.		Force				°F.	Form.	Amt. 0-10.	Form.		Amt. 0-10.
13H. G.M.T. OF 30 <sup>TH</sup>															18H. G.M.T. OF 30 <sup>TH</sup>														
Houton B. (Orkney)	1021.3	0	W	3	0	56	75	7	1-1000	Str	6	asr	3	2	1020.6	-1	W	5	0	55	75	6	7-1000	Str	6	asr	2	3	
Eskdalemuir ...	1022.3	0	SW	3	byz	65	55	6	-	Cu	2	-	-	*	1021.9	0	WNW	3	0	64	55	7	-	-	-	-	-	*	
Stranraer ...	1024.5	0	NW	1	0	62	75	6	2-3000	Str	2	-	-	*	1023.6	-1	-	0	0	61	75	6	-	-	-	-	-	*	
Lough Foyle ...	1024.7	0	W	1	0	57	75	8	2-3000	Str	8	-	-	1	1024.1	0	W	3	0	58	82	8	-	Cu	1	-	-	1	
Valencia (Cahire'n)	1025.8	0	W	2	0	63	75	8	3-4000	Cu	2	-	-	2	1025.0	+1	W	2	0	60	75	10	3-4000	Cu	1	-	-	2	
Anglesey (Llangefni)	1024.4	-1	-	0	0	68	65	7	5-7000	Cu	5	-	-	2	1024.3	0	-	0	0	69	55	7	5-7000	Str	1	-	-	2	
Falmouth ...	1024.2	+2	SE	4	0	65	65	3	-	Cu	7	-	-	*	1024.4	0	SSE	1	0	60	65	6	-	-	-	-	-	*	
Calshot (Hants) ...	1024.6	+1	E	1	0	63	75	7	3-4000	Cu	8	-	-	4	1023.3	0	SW	1	0	64	65	8	-	-	-	-	-	2	
Capel (Folkestone)	1024.3	+3	NNE	1	0	57	75	8	2-3000	Str	10	-	-	3	1024.0	0	NE	1	0	56	82	8	1-1500	Str	10	-	-	3	
Aberdeen ...	1021.9	-1	SSE	2	0	63	65	7	-	-	-	-	-	3	1020.3	-2	SSE	2	0	57	75	6	-	-	-	-	-	3	
East Fortune ...	1022.7	-2	NW	2	0	61	65	4	-	-	-	-	-	*	1021.2	-1	W	2	0	66	65	5	3-4000	Str	2	-	-	*	
Flemborough Id.	1023.7	-2	SSE	2	0	57	75	4	7-9000	Str	4	-	-	*													*		
Felixstowe ...	1024.8	+4	E	1	0	57	92	5	1-1500	Str	7	asr	3	2	1024.0	-1	E	1	0	58	82	6	5-7000	Str	2	asr	3	2	
Cranwell (Lincs)	1024.1	0	-	0	0	63	75	7	7-9000	Cu	2	asr	2	*	1022.1	-2	SSE	2	0	62	75	7	-	-	-	-	-	*	
Bedford ...	1024.5	0	E	1	0	61	55	3	5-7000	Str	9	-	-	*	1023.3	-1	-	0	2	65	55	-	-	-	-	-	-	*	
Benson ...	1024.1	+1	NE	2	0	61	75	6	-	-	-	-	-	*	1023.3	-1	N	1	0	67	65	7	-	-	-	-	-	*	
London (Kew Obs.)	1024.6	0	NNE	2	0	60	65	5	-	Str	9	-	-	*	1023.5	-2	NE	1	0	66	55	5	-	-	-	-	-	2	*
1H. G.M.T. OF 31 <sup>ST</sup>															7H. G.M.T. OF 31 <sup>ST</sup>														
Houton B. (Orkney)	1016.4	-6	S	1	0	49	92	5	3-4000	Str	1	asr	3	3	1008.9	-7	S	5	0	50	98	3	1-1500	Cu. N.b.	10	-	-	-	4
Eskdalemuir ...	1022.6	-1	-	0	0	44	92	6	-	-	-	-	-	*	1018.8	-4	SSW	4	0	54	92	5	1-1500	Str	9	-	-	-	*
Stranraer ...	1021.8	-4	-	0	0	43	98	-	3-4000	Str	1	-	-	*	1019.0	-4	SSW	2	0	55	87	5	4-5000	Str	8	asr	1	-	*
Lough Foyle ...														*	1014.3	-6	SW	8	0	60	87	7	12-2000	Str. Cu	10	-	-	-	4
Valencia (Cahire'n)	1024.6	-2	-	0	0	56	*	*	*	*	*	*	*	0	1023.1	-1	S	3	0	58	92	10	-	Str	4	asr	4	3	
Anglesey (Llangefni)														*	1021.3	-1	SSW	3	0	60	75	7	-	-	-	-	-	2	
Falmouth ...	1025.5	-1	-	0	0	50	92	6	-	-	-	-	-	*	1025.5	0	SSE	1	0	53	98	5	-	-	-	-	-	-	*
Calshot (Hants) ...	1024.7	-1	WSW	1	0	52	87	7	-	-	-	-	-	2	1025.3	0	NNW	1	0	55	87	4	-	-	-	-	-	-	2
Capel (Folkestone)	1025.0	-1	-	0	0	50	92	8	-	-	-	-	-	1	1024.7	0	SE	2	0	54	87	5	-	-	-	-	-	-	3
Aberdeen ...	1019.1	-1	-	0	0	43	98	4	3-4000	Str	1	-	-	*	1012.8	-6	SSW	3	0	52	75	5	-	Str. Cu	4	asr	4	2	
East Fortune ...	1020.4	-2	SSW	2	0	53	87	6	3-4000	Str	2	-	-	*	1016.5	-4	NW	2	0	54	87	5	5-7000	Str. Cu	8	-	-	-	*
Flemborough Id.	1021.7	0	NW	1	0	52	87	5	-	-	-	-	-	*	1021.0	0	WSW	1	0	56	82	6	-	-	-	-	-	-	2
Felixstowe ...	1024.6	-1	-	0	0	53	92	-	-	-	-	-	-	3	1023.9	-2	SSW	2	0	55	87	3	-	-	-	-	-	-	2
Cranwell (Lincs)	1022.9	-1	W	1	0	51	92	4	-	-	-	-	-	*	1022.5	0	W	2	0	56	87	4	2-3000	Str	1	asr	2	-	*
Bedford ...														*	1023.6	0	WSW	1	0	57	75	-	-	-	-	-	-	-	*
Benson ...														*	1023.4	+1	-	0	53	92	3	-	-	-	-	-	-	-	*
London ...	1024.0	0	-	0	0	55	*	*	*	*	*	*	*	*	1024.5	+1	SW	1	0	52	87	4	-	-	-	-	-	-	*

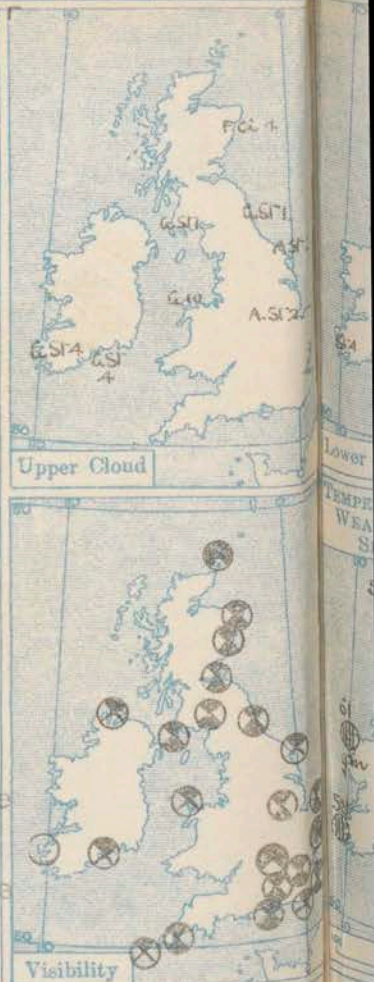
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.	
	at M.S.L.	°F.	Direc.	Force 0-12.		at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.		
	m b.					m b.																
	18H. G.M.T. of 30 <sup>th</sup>					7H. G.M.T. of 31 <sup>st</sup>										24 HOURS ENDED 7H. 31 <sup>st</sup>						30 <sup>th</sup>
Lerwick ...	1017.3	54	WSW	4	cm	1008.1	-6	53	+1	S	4	-	0	3	2	57	51	50	cm	om	0.7	
Stornoway ...	1020.1	56	SSW	5	cm	1006.3	-9	54	+3	S	6	-	org	5	8	58	54	50	cm	c.org	1.0	
Castlebay (Barras)	1022.0	56	WSW	4	0	1009.3	-7	58	+7	SW	6	-	or	6	6	58	50	50	c.c.o.	c.c.o	7.7	
Glasgow ...	1022.6	60	W	3	b2	1016.6	-5	54	+3	SSW	3	-	0	*	63	49	50	c.cm.c.	c.bc.b2	c.b.bc.0		
Malin Head ...	1022.9	58	WNW	3	bc	1013.0	-7	58	+1	SSW	5	-	c2	5	-	62	50	50	bc.	bc	7.7	
Blacksod Point	1023.2	62	SW	4	b	1015.4	-5	61	+6	SSW	6	-	ogm	5	-	65	55	50	b.	og ogg	*	
Roche's Point...	1025.3	66	SW	1	b	1021.5	0	54	+1	SW	2	NW	c	1	0.2	66	50	50	b2	b.bc.cw	*	
Birr Castle ...	1023.9	69	W	1	C	1022.0	*	54	+4	SW	2	-	c	*	-	72	49	50	f.c	c	8.8	
Donaghadee ...	1023.6	61	ESE	2	b2	1019.1	-3	55	+1	WSW	2	SW	cg3	1	-	63	47	50	bm	bv	*	
Liverpool (Bidston)	1023.7	61	NW	2	b	1022.2	-2	58	+4	S	1	-	cg	1	-	64	52	50	b.	b	13.7	
Holyhead ...	1024.1	63	N	2	b2	1022.0	0	57	+1	SSW	4	-	bm	3	-	66	53	50	b2.	bm2.	14.2	
Pembroke (St Ann's Head)	1024.3	67	N	2	b.	1024.6	0	56	+1	E	1	-	b3	0	-	72	51	50	b	b	14.0	
Seilly (St. Mary's)	1024.9	63	NNE	2	b.	1025.4	0	60	+5	-	0	-	bm	1	-	67	55	50	bm.	bm.b	12.1	
Jersey (St. Aubin)	1025.7	59	NE	3	0	102	+1	51	-3	NE	2	-	b	2	-	?	?	50	bm	bm.	*	
Portland Bill ...	1024.1	60	ENE	2	bc.	1024.7	+1	60	+4	NW	2	-	b	2	-	62	53	50	c.c.	c.bc.	*	
Dungeness ...	1023.3	59	ENE	3	bc.	1024.1	0	53	-1	WSW	2	-	b	1	-	61	45	50	c.	c.	*	
Wick ...	1019.9	53	E	2	bc.	1008.6	-6	53	+1	SW	4	-	omr	2	0.2	56	50	50	og.bc.	bc	*	
Nairn ...	1019.0	68	W	3	bc	1009.7	*	57	+2	WSW	3	-	cg	2	0.4	73	51	50	c.bc.	bcv.	10.5	
Leith ...	1020.7	66	NW	2	b	1015.3	-1	54	+2	SW	2	-	c	2	-	68	48	50	om.o.b	bg.b	*	
Tynemouth ...	1021.6	59	SE	1	bm	1018.9	-2	57	+0	WSW	2	W	bcm	1	-	60	47	50	f	bm	*	
Spurn Head ...	1022.2	56	SSE	3	c	1021.7	0	58	+2	WNW	2	-	b	2	-	59	51	50	c	c	2.2	
Yarmouth (Gorleston)	1024.0	57	ENE	2	b	1021.7	-1	53	0	WSW	3	-	b	3	-	60	49	50	cm.o	b	3.2	
Clacton-on-Sea	1023.6	57	SE	2	bc	1023.5	0	55	+2	W	2	-	bm	2	-	59	52	50	og.ov	ov.c.bc	1.4	
Nottingham ...	1022.2	68	S	2	b	1022.8	*	53	0	W	1	-	bmw	*	-	71	48	50	bc.b	b.bc.	8.8	



# SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 31st July, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SW-NW. 0-5	R. cool	Fine, local haze.	Ord.	Smooth
2. E. England	SW-W. 2-10	"	Fine, local mist.	Poor	"
3. E. Midlands	SW-W. 0-2	"	Fine, local mist.	"	"
4. W. Midlands	SW-W. 0-5	Moderate	Fine	"	"
5. S.W. England	SW-NW. 0-5	"	Fair to fine, local mist.	Fair	Smooth
6. South Wales	SW-W. 2	"	Fine, hazy	"	"
7. North Wales	S-SW. 10-15	"	Variable sky, local mist.	V. good	"
8. N.W. England	S-SW. 2-10	"	Fair to fine.	"	"
9. N. Midlands	SW-W. 2-5	"	Fair to fine	Ord.	"
10. N.E. England	SW-W. 2-10	"	Fair to fine, local mist.	Good	Smooth
11. E. Scotland	SW-NW. 5-10	"	Cloudy or dull, local haze	Ord.	"
12. S.W. Scotland	SSW. 5-15	"	Dull, local mist.	Fair	Slight
13. Isle of Man	S-SW. 5-10	"	Cloudy.	"	Smooth
14. N. & N.W. Scot- land	SW. 10-15	"	Dull, local mist & rain	"	Slight
15. Hebrides	S-SW. 28	"	Dull, rainy, local squalls	"	R. rough
16. Orkneys and Shetlands	S. 15-20	"	Dull, misty, local rain.	Poor	Moderate
17. N.W. Ireland	SSW. 28	R. warm	Dull, local mist.	V. good	R. rough
18. N.E. Ireland	S-SW. 15-28	"	Cloudy, local squalls	"	Moderate
19. S.E. Ireland	SW. 5	Moderate	Cloudy	"	Smooth
20. S.W. Ireland	S-SW. 5-10	"	Cloudy	"	"



**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 small circles per hour by figures in small circles.  
**TEMPERATURE.**—Isotherms are drawn at intervals of 1°.  
**WEATHER SYMBOLS.**—  
 ○ clear sky. ○ sky & clouds.  
 ● overcast sky. ● sky & clouds.  
 \* snow. ▲ hail. = fog. = rain.  
 T thunder. E thunderstorm.  
**SEA DISTURBANCE.**—  
 Rough ~~~~~ High ~~~~~

GENERAL INFERENCE from observations received up to 10 a.m.

A deep depression to the north-west of Scotland is moving east or south-east. Strong to high winds with dull weather and some rain are probable over Scotland, Ireland and the north of England.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Thursday, 31st July, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Light Southerly or South-Westerly breezes becoming moderate, fresh in exposed places. Fair today, less settled tomorrow. Warmer.	Unsettled South-Westerly conditions generally are
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland	Fresh S. to SW. winds becoming strong to high. Cloudy to dull, some showers. Moderate temperature.	likely to prevail beyond the normal forecast period of 24 hours.
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scot- land 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Fresh or strong S. to SW. winds becoming strong to high, probably reaching gale force in exposed places. Dull, with some rain. Moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	Same as for 6-11	



# SYNOPTIC CHART FOR MORNING OF THURSDAY, 31<sup>ST</sup> JULY,

Scale - 1:10,000,000  
Nautical Miles. 100 0 100 200  
Statute Miles. 100 0 100 200





WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 30 <sup>TH</sup>											
STATIONS.		WEATHER		TEMPERATURE		RAINFALL		SUNSHINE		STATIONS.	
		Forenoon	Afternoon	Max. °F.	Min. °F.	Night 17h-19h 29 <sup>TH</sup>	Day 19h-17h 30 <sup>TH</sup>	to 17h 30 <sup>TH</sup>	Sunrise to Sunset 29 <sup>TH</sup>		
Scotland.	Oban ...	-	-	56	51	-	-	0.0	12.4	England, N.W.	Douglas (I.O.M.)
	Banff ...	-	-	64	48	-	-	6.8	7.4		Blackpool ...
	Montrose ...	-	-	73	49	-	-	5.6	10.3		Southport ...
	St. Andrews ...	bc	bc	73	49	-	-	-	-		-
England, N.E.	Harrogate ...	bc-b	b	72	41	-	-	11.2	3.6	Midlands.	Buxton ...
	Skegness ...	o	o-bv	59	52	-	-	4.0	0.9		Leamington Spa ...
	-	-	-	-	-	-	-	-	-		Malvern ...
England, E.	Felixstowe ...	c	bc	60	51	-	-	1.5	1.0	Wales.	Rhyl ...
	Walton-on-Naze ...	-	-	-	-	-	-	-	-		Colwyn Bay ...
	Southend-on-Sea ...	o	o-c-bc-b	62	51	-	-	1.8	0.0		Llandudno ...
England, S.E.	Margate ...	c	bc-b	63	52	0.1	-	1.7	0.0	England, S.W.	Weymouth ...
	Ramsgate ...	-	-	59	50	-	-	1.6	0.1		Teignmouth ...
	Folkestone ...	-	-	61	56	-	-	0.7	0.5		Torquay ...
	Hastings ...	-	-	-	-	-	-	-	-		Paignton ...
	Eastbourne ...	o	o-bc	64	52	-	-	2.2	1.2		Penzance ...
	Brighton ...	c-o	o-c	65	52	-	-	3.4	0.6		Newquay ...
	Worthing ...	c-bc	bc-b	?	52	-	-	3.0	1.2		Bude ...
	Littlehampton ...	-	-	63	52	-	-	4.1	1.0		Ilfracombe ...
	Bournemouth ...	-	-	64	50	-	-	5.0	5.3		Weston-s-Mare ...
	-	-	-	-	-	-	-	-	-		-
	-	-	-	-	-	-	-	-	-		-
	-	-	-	-	-	-	-	-	-		-

SUMMARIES FOR PAST 24 HOURS.											
STATIONS.		WEATHER				Max. Temp. °F.		Min. Temp. °F.		RAINFALL.	
		7h-12h 29 <sup>TH</sup>	12h-18h 30 <sup>TH</sup>	18h-24h 31 <sup>ST</sup>	1h-7h 31 <sup>ST</sup>	°F.	°F.	°F.	°F.	Day 7h-18h	Night 18h-7h
†Houton Bay (Orkney)...	...	cq.	c-o	c-o	b-bc	58	47	34	34	13.7	*
†Eskdalemuir ...	...	bc-b	by	b-bw	b-w	69	40	34	34	*	*
†Stranraer ...	...	c-o	c-o	emw	c-o	66	41	34	34	*	*
†Lough Foyle ...	...	c-o	c-o	emw	c-o	60	50	34	34	*	*
†Valencia (Cahirciveen) ...	...	bc-b	b	bc-b	bc-b	64	47	40	40	10.7	*
†Anglesey (Llangefni) ...	...	bc-b	bc	bc	bc	69	41	37	37	12.2	*
†Falmouth ...	...	bc-b	bc	bc	bc	60	47	37	37	*	*
†Calshot (Hants) ...	...	c-o	c-o	bc	bc	58	48	37	37	*	*
†Capel (Folkestone) ...	...	c-o	c-o	bc	bc	58	48	37	37	*	*
Aberdeen ...	...	bc-b	bc	bc	bc	63	43	37	37	9.4	*
†East Fortune ...	...	bc	bc	bc	bc	68	50	37	37	*	*
†Framborough ...	...	bc	bc	bc	bc	58	46	37	37	*	*
†Felixstowe ...	...	bc	bc	bc	bc	60	50	37	37	*	*
†Cranwell (Lincs) ...	...	bc	bc	bc	bc	67	48	37	37	*	*
†Bedford ...	...	bc	bc	bc	bc	65	48	37	37	*	*
Benson ...	...	bc	bc	bc	bc	68	42	31	31	*	*
London (Kew Obs.) ...	...	bc	bc	bc	bc	68	47	37	37	3.7	*

LONDON OBSERVATIONS.											
STATIONS.		WEATHER				Max. Temp. °F.		Min. Temp. °F.		RAINFALL.	
		Morning	Afternoon	Night	24 HOURS ENDED 9H G.M.T. 31 <sup>ST</sup>	°F.	°F.	°F.	°F.	mm.	Sunshine to Sunset Hours
Greenwich (Royal Observatory)	...	o	o-b	bc-bw	66	46	34	-	-	3.3	62
City (Bunhill Row)	...	*	*	*	65	48	40	-	-	3.0	77
Westminster (St. James's Park)	...	*	*	*	68	50	40	-	-	2.7	69
Admiralty Arch	...	0.3	0.3-b	bm	69	48	40	-	-	4.2	63
Camden Sq. (British Rainfall)	...	0.2	bc	*	67	47	41	-	-	65 (11)	70
Kensington Palace	...	o	o-b	*	67	47	41	-	-	-	-

NOTES ON THE WEATHER OF YESTERDAY.

Weather was fair to dull generally. Sunshine amounts varied from 14.2 hours at Holyhead to between 1 and 3 hours over south-east and east England. Rain fell in the north of Scotland, elsewhere, with the exception of Roche's Point where 0.2 mm. fell, no rain was measured.