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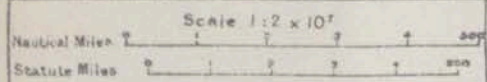
M.O. FORM 2373

AIR MINISTRY.
METEOROLOGICAL OFFICE.
LONDON.

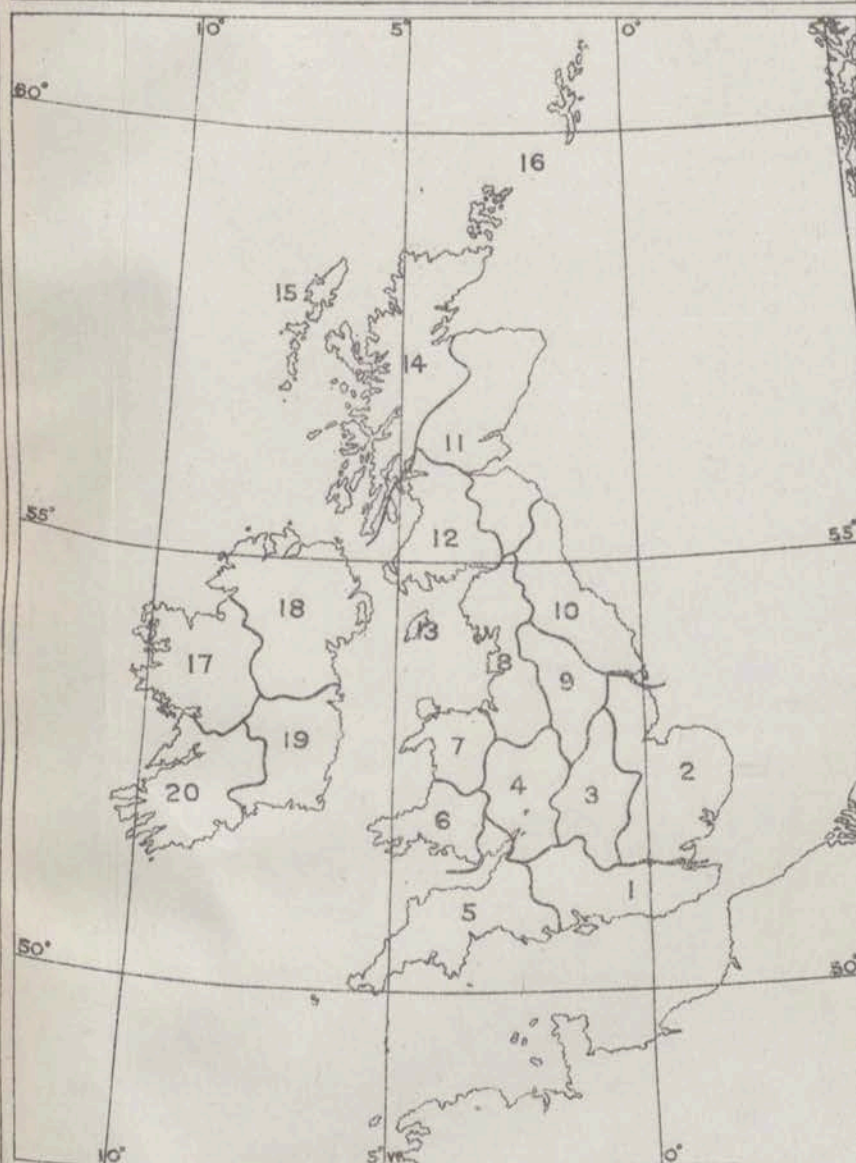
DAILY WEATHER REPORTS

1ST JULY TO 30TH SEPTEMBER, 1920.

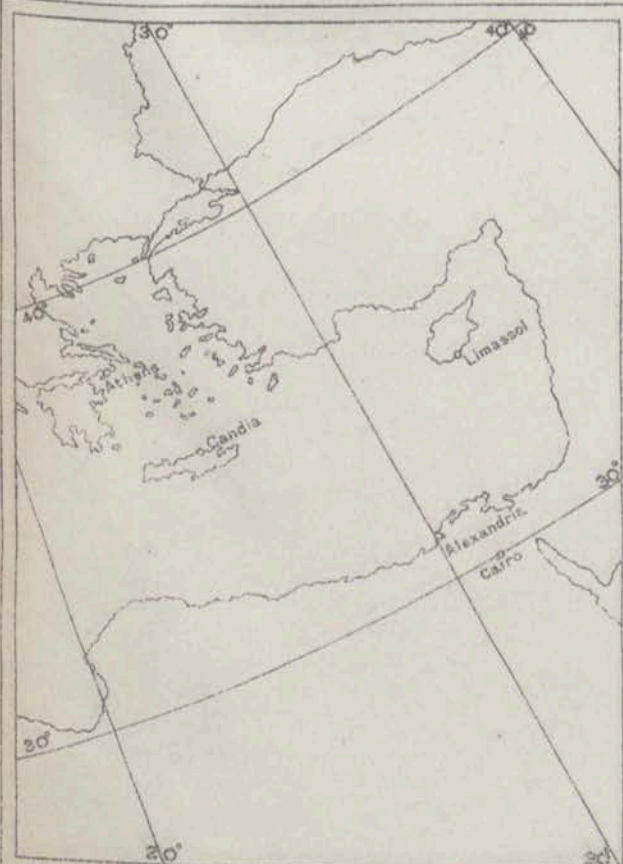
METEOROLOGICAL STATIONS.



DISTRICTS.



STATIONS USED FOR UPPER AIR SUPPLEMENT.



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	1-3
2	Slight breeze ..	Wind felt on face ; leaves rustle	4-7
3	Gentle breeze ..	Leaves and small twigs in constant motion ; wind extends light flag	8-12
4	Moderate wind ..	Raises dust and loose paper ; small branches are moved	13-18
5	Fresh wind ..	Small trees in leaf begin to sway ; crested wavelets on inland waters	19-24
6	Strong wind ..	Large branches in motion ; whistling heard in telegraph wires	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	55-63
11	.. ..	Very rarely experienced ; accompanied by widespread damage	64-75
12	Hurricane ..	.. ..	Above 75

BEAUFORT NOTATION.

b blue sky (not more than a quarter covered)
bc sky partly cloudy (one half covered).
c generally cloudy (three quarters covered).
o overcast sky. d drizzle.
e wet air without rain falling
f fog. g gloom.
h hail. l lightning
m mist. p passing showers.

Capital letters indicate intensity, and repetition of letters continuity, thus—
R=heavy rain. r=continuous moderate rain. r.r.=continuous slight rain.

BEAUFORT NOTATION.

q squalls. r rain.
rs sleet, i.e., rain and snow.
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

WEATHER SYMBOLS

Clear sky	☉	Sky 2 clouded	☁
Sky 1 clouded	☁	Sky 3 clouded	☁
Overcast sky	☁	Rain falling	☔
Snow	❄	Sleet	❄
Fog	☁	Hail	☔
Thunder	☁	Mist	☁
Lightning	☁	Thunder, rain or sleet	☔
Aurora	☁	Gale	☁
Rime	☁	Solar halo	☁
Glazed frost	☁	Lunar halo	☁
Glazed roads	☁	Solar corona	☁
Snow lying	☁	Lunar corona	☁

AIR MINISTRY.

METEOROLOGICAL OFFICE, LONDON.

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



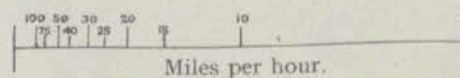
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section. Values in millibars may be converted to mercury inches by the scale given in the margin.

The wind at a height of 1,100–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart (160 miles) in the Daily Weather Report the speed of the upper wind is about 12 m.p.h. in latitude 55°, with a temperature of 50° F. and a pressure of 1,015 mb. if, however, the isobars are $\frac{1}{2}$ inch apart the corresponding speed is 24 m.p.h.

The scale below can be used with both the International and the British Sections. If the distance between consecutive isobars is measured along the rule from the left-hand extremity the geostrophic wind is shown by the scale in miles per hour.

GEOSTROPHIC WIND SCALE FOR

4 mb. isobars on 1 : 2 × 10⁷ Charts.
or 2 mb. " " 1 : 10⁷ " "
or 1 mb. " " 1 : 5 × 10⁶ " "



This scale applies under the following conditions—

Pressure, 1,015 mb Temperature, 283° A = 50° F. Latitude, 55°

Corrections.—For an increase of 10 mb pressure, subtract 1% from velocity; for an increase of 10° F add 2%. From Latitude 55° to Latitude 65° subtract 1% for each degree above 55° From Latitude 55° to Latitude 45° add 1½% for each degree below 55°.

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.—The actual observations are made normally, one at 1,000 feet above the level of the aerodrome, and the remainder at pressures of 950, 900, 850, 800, etc., millibars. Heights are then computed and, apart from instrumental error, are correct heights: they do not require modification for differences of temperature or humidity from normal as these are allowed for in the computation. The values are shown graphically and in tabular form in 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.

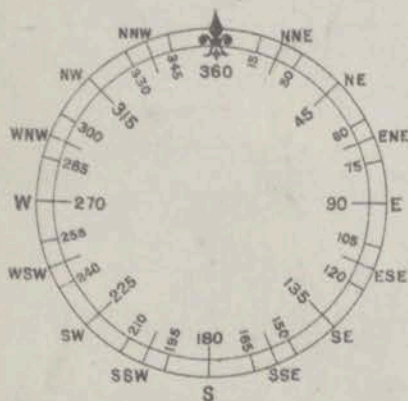
Weather.—In describing the distribution of weather over a district or during an interval of time such as a day, descriptive adjectives are used with the following meanings:—

- 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.
- Precipitation when occurring is specifically mentioned.

Wind.—All wind directions specified in the reports are "true," as distinguished from "magnetic." 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, and 15,000 feet. The data are usually based on Pilot Balloon ascents.

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



JULY.

AUGUST

SEPTEMBER.

ME

705

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.

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.					Days with Rain.	Total Fall.	Daily Mean.	Per Centage of Possible Duration.
		1906-1915. Dry Bulb 7 a.m.	1881-1915.		1881-1915.								
			Daily Maximum.	Daily Minimum.	Maximum.		Minimum.						
					Temp.	Year.	Temp.	Year.	Year.				
Lerwick	1010.5	51.7	57.0	48.2	70	1897, 1911	37	1888	17	58	2.29	—	
Stornoway	1013.1	53.5	60.2	48.9	76	1894	32	1888	21	77	3.03	—	
Castletown (Barra Isd.)	1013.2	54.4	61.8	51.6	73	1914	44	1913	18	69	2.70	—	
Eskdalemuir	1014.8	51.8	62.8	46.9	83	1911	34	1914	16	90	3.56	—	
Malin Head	1013.4	54.5	60.6	52.3	79	1911	42	1888, 1902	19	72	2.84	—	
Blackhead Point	1014.8	50.1	62.2	53.2	80	1894	42	1898	21	80	13.15	—	
Valencia	1016.3	56.9	63.8	51.8	81	1901	40	1907	21	96	3.78	—	
Roche's Point	1016.5	56.6	64.7	53.7	76	1887, 1912	43	1907	45	73	2.88	—	
Birr Castle	1015.4	55.2	66.3	51.1	86	1911	37	1889	17	75	2.05	—	
Donaghadee	1014.6	54.5	64.2	51.8	80	1887	40	1883, 1902	17	71	2.80	—	
Liverpool (Observatory)	1015.1	56.6	65.7	54.2	88	1901	45	1888, 1907, 13	15	66	2.59	—	
Holyhead	1015.1	56.9	63.3	53.6	85	1901	43	1888	16	66	2.61	—	
Pembroke (St. Ann's Hd.)	1015.7	56.4	62.3	54.5	81	1911	43	1910	14	63	2.47	—	
Selly (St. Mary's)	1016.7	57.9	64.8	56.2	78	1911	47	1910	15	56	2.22	—	
Falmouth	1017.0	58.6	65.8	55.1	80	1885	46	1897	15	72	2.84	—	
Jersey (St. Aubin's)	1017.4	60.2	68.3	56.4	87	1900, 1901	44	1907, 1909	13	53	2.10	—	
Portland Bill	1016.2	58.5	64.5	55.8	79	1901, 1912	49	1900, 1907	11	44	1.74	—	
Dungeness	1015.6	59.1	66.6	55.1	82	1900	40	1890	12	46	1.81	—	
Dover	1015.5	59.7	66.7	53.8	87	1911	44	1913	14	56	2.19	—	
Wick	1012.9	52.6	60.6	48.4	80	1899, 1901	30	1886	18	67	2.61	—	
Nairn	1013.0	53.8	64.3	49.1	85	1901	36	1906	18	68	2.68	—	
Aberdeen	1013.5	55.1	62.8	50.3	81	1885	38	1898, 1903	17	71	2.81	—	
Leith	1013.7	55.8	65.8	51.4	81	1901	41	1887, 88, 92, 1903	16	65	2.55	—	
Tynemouth	1014.2	55.8	64.2	51.3	82	1911	39	1909	14	61	2.40	—	
Spurn Head	1014.4	57.4	65.0	54.3	86	1911	44	1888	12	45	1.78	—	
Yarmouth	1014.8	58.1	66.2	54.7	87	1881	42	1890	13	59	2.34	—	
Clacton-on-Sea	1015.5	58.8	67.7	54.7	81	1911	40	1901	11	49	1.92	—	
Nottingham	1015.2	57.0	69.7	52.2	92	1881	37	1888	15	61	2.38	—	
LONDON (Kew Obsy.)	1016.1	58.5	71.0	54.3	90	1881	43	1882, 1884	12	55	2.17	—	

AUGUST.

Lerwick	1010.4	52.4	57.1	48.4	81	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	—
Castletown (Barra Isd.)	1012.1	55.0	61.8	51.2	75	1911	44	1912	18	81	3.27	—
Eskdalemuir	1014.0	51.8	61.8	46.5	79	1914	31	1912	18	70	4.79	—
Malin Head	1013.8	55.0	61.0	52.8	80	1900	42	1912	21	90	3.52	—
Blackhead Point	1015.0	50.6	62.1	53.4	78	1899, 1911	42	1887, 88, 1912	21	80	4.58	—
Valencia	1014.9	57.1	63.9	51.9	81	1899	42	1890, 1912	22	122	4.79	—
Roche's Point	1015.3	56.8	64.5	53.7	78	1887	41	1912	18	96	3.78	—
Birr Castle	1015.1	54.7	65.4	50.8	81	1911	35	1885, 1887	19	97	3.81	—
Donaghadee	1013.2	54.5	61.1	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	—
Holyhead	1014.0	57.5	63.4	54.0	86	1914	45	1888	17	81	3.18	—
Pembroke (St. Ann's Hd.)	1014.8	57.4	62.8	55.1	82	1911	46	1912	16	80	3.15	—
Selly (St. Mary's)	1015.8	58.7	65.0	56.6	76	1911	48	1912	16	67	2.62	—
Falmouth	1016.3	58.4	65.4	55.1	77	1909	44	1890	16	83	3.25	—
Jersey (St. Aubin's)	1017.0	61.2	68.8	57.1	89	1893	45	1890, 1909	14	62	2.44	—
Portland Bill	1015.6	59.6	65.2	56.5	81	1911	47	1912	12	54	2.12	—
Dungeness	1015.4	59.7	67.3	55.3	82	1904	39	1890	13	50	1.98	—
Dover	1015.6	59.9	67.3	54.2	89	1911	44	1913	14	58	2.27	—
Wick	1011.2	52.6	60.6	48.2	85	1891	30	1886	21	70	2.75	—
Nairn	1011.4	53.2	61.7	48.7	86	1899	33	1885, 91, 1904	19	61	2.41	—
Aberdeen	1012.2	54.5	62.4	49.9	81	1882, 99, 1905	33	1885	18	70	2.74	—
Leith	1012.4	55.5	65.4	51.2	81	1893, 1906	38	1881, 1892	17	75	2.94	—
Tynemouth	1013.2	55.5	64.2	51.1	81	1893	38	1912	16	70	2.75	—
Spurn Head	1013.7	57.7	65.1	54.4	87	1893	45	1902	14	54	2.11	—
Yarmouth	1014.7	58.1	66.3	54.2	85	1891	41	1902	14	61	2.47	—
Clacton-on-Sea	1015.1	59.1	67.5	54.9	84	1911	43	1908, 1915	14	47	1.86	—
Nottingham	1014.5	55.8	68.4	51.2	94	1911	37	1908	16	61	2.49	—
LONDON (Kew Obsy.)	1015.8	58.0	67.7	53.5	94	1911	41	1890	13	57	2.24	—

SEPTEMBER.

Lerwick	1015.5	49.7	54.6	46.5	69	1898	34	1887, 1888	20	76	3.01	—
Stornoway	1016.5	50.4	57.7	46.2	77	1906	32	1885, 1904	21	100	3.95	—
Castletown (Barra Isd.)	1016.3	52.8	59.9	50.2	68	1914	39	1915	16	80	3.75	—
Eskdalemuir	1017.9	46.3	58.1	41.6	71	1914	27	1910, 11, 14, 15	12	60	3.16	—
Malin Head	1016.9	52.9	58.9	50.6	84	1906	38	1886	17	67	2.62	—
Blackhead Point	1017.6	54.6	60.1	51.1	78	1898	39	1899	19	99	3.88	—
Valencia	1018.4	54.4	61.8	51.3	79	1898, 1906	45	1899	18	105	4.14	—
Roche's Point	1019.1	54.6	61.8	51.4	71	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	—
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	—
Holyhead	1018.5	54.9	61.0	51.8	77	1898	41	1912	15	68	2.68	—
Pembroke (St. Ann's Hd.)	1018.6	54.7	60.8	52.8	74	1895	40	1885	14	69	2.71	—
Selly (St. Mary's)	1018.5	56.6	62.5	54.7	74	1911	44	1885, 88, 1912	15	62	2.45	—
Falmouth	1019.3	55.1	62.1	52.7	75	1906	39	1885	15	74	2.91	—
Jersey (St. Aubin's)	1019.3	57.7	66.0	54.6	89	1906, 1911	41	1891	14	61	2.41	—
Portland Bill	1018.7	56.8	62.9	54.1	75	1911	42	1915	12	48	1.88	—
Dungeness	1018.4	55.5	64.1	52.0	81	1906	32	1885	13	52	2.05	—
Dover	1018.5	55.4	63.8	50.9	87	1911	43	1915	12	50	1.96	—
Wick	1016.2	50.1	57.8	45.9	78	1898	29	1885, 87, 1907	19	64	2.50	—
Nairn	1016.7	48.9	60.4	44.9	84	1906	25	1892	17	56	2.20	—
Aberdeen	1017.5	50.6	59.2	46.7	82	1906	30	1887	17	56	2.22	—
Leith	1017.8	51.2	61.8	47.6	81	1898	33	1886, 1905	15	45	1.76	—
Tynemouth	1018.1	51.2	60.7	47.8	88	1906	34	1885, 89, 91, 1907	11	46	1.80	—
Spurn Head	1018.2	54.3	61.4	51.7	79	1899	38	1892, 1909	12	36	1.42	—
Yarmouth	1018.4	54.7	62.5	51.5	80	1911	33	1885	13	50	1.96	—
Clacton-on-Sea	1018.8	55.2	61.3	51.6	79	1906	33	1904, 1915	9	42	1.64	—
Nottingham	1019.0	50.7	64.0	47.4	94	1887	30	1887	14	42	1.65	—
LONDON (Kew Obsy.)	1019.4	52.3	64.9	49.3	92	1906	33	1887	12	48	1.87	—

* Results for 30 years, 1886-1915.

† " " 16 " 1900-1915.

+ " " 15 " 1901-1915.

4 Results for 9 years, 1907-1915.

5 " " 8 " 1908-1915.

6 " " 6 " 1910-1915.

* Results for 5 years, 1911-1915.

** " " 2 " 1914-1915.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21406

THURSDAY, 1ST JULY, 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 19H.																																			
STATIONS.	BAROM. at M.S.L. mb.	1 Change in 3 hours.	WIND.		TEMP. °F.	HUMIDITY. %	VISIBILITY 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	BAROM. at M.S.L. mb.	1 Change in 3 hours.	WIND.		TEMP. °F.	HUMIDITY. %	VISIBILITY 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.									
			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. 30 th JUNE												18H. G.M.T. OF 30 th JUNE												19H. G.M.T. OF 1 ST JULY											
Renfrew	1007.3	+1.4	SW	5	58	65	8	3,000	cu	9	-	-	1007.0	+2	SW	3	c	58	75	8	3,000	sc	8	-	-	-	-	-	-	-	-	-	-	-	-
Eskdalemuir	1006.6	+3	SW	5	54	75	8	3,000	sc	9	-	-	1007.0	+1	SW	5	c	55	75	6	2,000	sc	7	-	-	-	-	-	-	-	-	-	-	-	-
Valencia (Cahire'n)	1010.1	0	SW	3	57	75	8	3,000	sc	7	asc	3	1009.3	-1	SSW	3	c	56	85	8	2,000	sc	7	asc	3	3	-	-	-	-	-	-	-	-	
Baldonnel	1009.0	-1	WSW	4	61	65	7	3,000	sc	8	asc	2	1009.3	+1	SW	3	or	55	85	6	750	sc	10	-	-	-	-	-	-	-	-	-	-	-	
Ross on Wye	1010.3	+2	WSW	5	62	75	8	3,000	sc	9	-	-	1010.7	0	SW	4	c	62	55	8	5,700	sc	6	ci	1	-	-	-	-	-	-	-	-	-	
Didsbury	1015.0	+1	SW	5	60	75	7	-	Ma	6	asc	4	1013.4	-4	SW	4	Op	56	92	5	-	10	-	-	-	-	-	-	-	-	-	-	-		
Falmouth	1015.3	+1	SW	5	62	75	8	2,000	cu	4	-	-	1015.2	0	WSW	5	c	60	85	8	2,000	sc	7	cu	1	4	-	-	-	-	-	-	-	-	
Calshot (Hants)	1015.4	+1	WSW	5	63	65	8	3,000	cu	5	asc	1	1015.1	0	SW	5	bc	61	75	8	3,000	cu	1	ci	1	-	-	-	-	-	-	-	-	-	-
Lymington (Folkestone)	1015.4	+1	WSW	5	63	65	8	3,000	cu	5	asc	1	1015.1	0	SW	5	bc	61	75	8	3,000	cu	1	ci	1	-	-	-	-	-	-	-	-	-	-
Aberdeen	1002.0	+2	SW	4	64	45	8	-	cu	3	-	-	1004.6	+3	WSW	3	c	65	35	8	-	cu	3	-	-	-	-	-	-	-	-	-	-	-	-
Howden	1010.2	+1	SSW	4	61	75	6	2,000	sc	6	asc	3	1010.6	0	WSW	3	c	63	65	7	4,200	sc	5	ci	7	-	-	-	-	-	-	-	-	-	-
Cranwell (Lines)	1011.8	0	?	4	64	65	8	3,000	sc	10	-	-	1013.2	+1	WSW	4	c	62	65	8	3,000	sc	6	asc	4	-	-	-	-	-	-	-	-	-	-
Felixstowe	1013.8	0	WSW	5	68	55	7	4,200	cu	8	-	-	1013.7	+1	SW	4	bc	67	65	6	5,700	sc	4	-	-	-	-	-	-	-	-	-	-	-	-
Shoeburyness	1013.9	0	SW	3	67	55	8	3,000	cu	5	asc	2	1013.9	0	SW	4	bc	66	65	7	3,000	cu	1	asc	1	-	-	-	-	-	-	-	-	-	-
Benson	1012.5	0	W	3	65	65	7	-	cu	8	-	-	1013.5	0	WSW	4	or	60	75	7	-	sc	10	-	-	-	-	-	-	-	-	-	-	-	-
S. Farnborough	1013.4	0	WSW	5	67	55	8	2,000	sc	8	-	-	1013.9	0	SW	3	c	63	65	7	2,000	sc	4	asc	4	-	-	-	-	-	-	-	-	-	-
London (Kew Obs.)	1013.8	-1	SW	4	67	55	8	4,200	cu	7	ci	1	1013.5	-1	SSW	3	bc	66	55	8	4,200	cu	2	ci	4	-	-	-	-	-	-	-	-	-	-
Croydon	1014.1	0	W	3	67	55	8	3,000	sc	6	asc	1	1014.8	0	SW	4	bc	64	55	8	4,200	cu	4	ci	2	-	-	-	-	-	-	-	-	-	-
1H. G.M.T. OF 1 ST JULY												7H. G.M.T. OF 1 ST JULY												13H. G.M.T. OF 1 ST JULY											
Renfrew	1009.8	0	-	0	50	92	5	-	Nb	9	asc	1	1007.2	-1	NE	3	bc	54	65	4	4,200	sc	3	asc	6	-	-	-	-	-	-	-	-	-	
Eskdalemuir	1007.6	0	SSW	2	53	8	-	-	-	-	-	-	1007.9	0	SSW	2	od	51	97	4	2,000	Nb	10	-	-	-	-	-	-	-	-	-	-	-	-
Valencia (Cahire'n)	1007.6	0	SSW	2	53	8	-	-	-	-	-	-	1007.9	0	SSW	2	od	51	97	4	2,000	Nb	10	-	-	-	-	-	-	-	-	-	-	-	-
Baldonnel	1008.0	-3	SW	2	52	92	5	3,000	sc	9	-	-	1008.0	-2	ENE	2	od	52	97	5	750	sc	10	-	-	-	-	-	-	-	-	-	-	-	-
Ross on Wye	1011.6	-2	SW	6	56	97	5	-	Nb	10	-	-	1009.7	-2	SSW	3	od	58	95	7	2,000	Nb	8	asc	2	-	-	-	-	-	-	-	-	-	-
Didsbury	1011.6	-2	SW	6	56	97	5	-	Nb	10	-	-	1009.7	-2	SSW	3	od	58	95	7	2,000	Nb	8	asc	2	-	-	-	-	-	-	-	-	-	-
Falmouth	1013.4	-4	SW	5	59	95	6	1,250	sc	10	-	-	1009.7	-2	SSW	3	od	58	95	7	2,000	Nb	8	asc	2	-	-	-	-	-	-	-	-	-	-
Calshot (Hants)	1013.4	-4	SW	5	59	95	6	1,250	sc	10	-	-	1009.7	-2	SSW	3	od	58	95	7	2,000	Nb	8	asc	2	-	-	-	-	-	-	-	-	-	-
Lymington (Folkestone)	1013.4	-4	SW	5	59	95	6	1,250	sc	10	-	-	1009.7	-2	SSW	3	od	58	95	7	2,000	Nb	8	asc	2	-	-	-	-	-	-	-	-	-	-
Aberdeen	1010.9	-1	S	1	53	97	6	4,200	sc	10	-	-	1007.8	+1	WSW	1	c	56	95	4	-	sc	7	-	-	-	-	-	-	-	-	-	-	-	
Howden	1012.9	-1	S	1	53	97	6	4,200	sc	10	-	-	1009.2	-1	SSW	2	od	55	97	5	1,250	Nb	10	-	-	-	-	-	-	-	-	-	-	-	-
Cranwell (Lines)	1012.9	0	SSW	3	53	97	6	2,000	Nb	8	asc	2	1010.6	-1	SSW	3	od	54	92	6	750	Nb	10	-	-	-	-	-	-	-	-	-	-	-	-
Felixstowe	1013.5	+1	SW	5	62	95	6	2,000	sc	10	-	-	1013.5	+1	SW	5	od	62	95	6	2,000	sc	10	-	-	-	-	-	-	-	-	-	-	-	-
Shoeburyness	1012.9	-2	SW	3	62	75	7	2,000	sc	7	asc	2	1012.9	-2	SW	3	od	62	75	7	2,000	sc	7	asc	2	-	-	-	-	-	-	-	-	-	-
Benson	1010.2	-1	SSW	3	57	97	5	-	Nb	10	-	-	1010.2	-1	SSW	3	od	57	97	5	-	Nb	10	-	-	-	-	-	-	-	-	-	-	-	-
S. Farnborough	1011.9	-1	SSW	4	57	97	5	-	Nb	10	-	-	1011.9	-1	SSW	4	od	57	97	5	-	Nb	10	-	-	-	-	-	-	-	-	-	-	-	-
London (M.O. at In.)	1011.9	-1	S	3	57	97	5	-	Nb	10	-	-	1011.9	-1	S	3	od	57	97	5	-	Nb	10	-	-	-	-	-	-	-	-	-	-	-	-
Croydon	1014.5	-2	SW	4	56	85	7	750	sc	6	asc	4	1012.8	0	S	2	od	57	92	7	750	sc	7	asc	3	-	-	-	-	-	-	-	-	-	
STATIONS CONTRIBUTING REPORTS AT 7H. AND 19H.																								24 HOURS ENDED 7H. 1 ST JULY											
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		WEATHER.	BAROMETER at M.S.L. mb.	TEMP. °F.	CHANGE in 3 hours.	WIND.	WEATHER.	SEA 0-9.	RAINFALL mm.	TEMP.		WEATHER.			Sunshine Hours.																	
			Dir.	Force 0-12.					Dir.	Force 0-12.			Max. °F.	Min. °F.	Morning.	Afternoon.	Night.																		
18H. G.M.T. OF 30 th JUNE												7H. G.M.T. OF 1 ST JULY												24 HOURS ENDED 7H. 1 ST JULY											
Lerwick	1008.4	54	SW	5	bc	1008.6	52	-1	S	1	-	bc	57	44	bc	bc	bc	9.8																	
Stornoway	1003.4	55	W	5	bc	1005.5	54	+1	S	1	-	b	58	49	bc	bc	bc	11.4																	
Castlebay (Barra Is)	1005.1	54	SW	4	bc	1006.0	54	+1	SE	3	-	bc	55	50	bc	bc	bc	11.4																	
Malin Head	1005.7	55	W	4	bc	1005.3	53	-1	E	1	-	c	57	50	bc	bc	c	4.6																	
Blacksod Point	1005.8	56	WSW	4	c	1003.4	54	-1	ENE	2	-	bc	60	50	bc	bc	bc	4.6																	
Roche's Point	1010.5	55	SW	3	o	1002.9	55	0	SE	3	-	od	59	52	od	od	od	2.7																	
Birr Castle	1008.9	58	SW	1	o	1003.7	58	+4	SE	1	-	r	59																						

SUMMARY OF CONDITIONS AT 7h.G.M.T. 1.7.1920.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers.				
				Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
1. S.E. England	Dull, some rain, coastal fog.	Fair.	Mod.	3	30 th	0925	53	58
2. E. England	Fair to dull.	Good.	Slight	6	30 th	1615	59	64
3. E. Midlands	Dull, some rain & drizzle	Fair.	-	2	1 st	0140	54.5	54
4. W. Midlands	Rain and drizzle.	"	-	12	1 st	0325	52	51.
5. S.W. England	Mist and rain.	Poor.	R. Rough.	7	1 st	0150	57	59
6. South Wales	Rain.	Indiff.	Mod.	5	1 st	0733	51	54.
7. North Wales	Drizzle and fog.	Poor	V. Smooth					
8. N.W. England	Dull, some rain or drizzle.	Indiff.	Smooth.					
9. N. Midlands	Dull, mist & drizzle.	"	-					
10. N.E. England	Dull, misty.	"	V. Smooth					
11. E. Scotland	Fair to dull, hazy.	Poor.	Smooth.					
12. S.W. Scotland	Mist, drizzle.	"	V. Smooth					
13. Isle of Man	Dull, misty, some drizzle.	"	"					
14. N. & N.W. Scotland	Cloudy.	Indiff.	"					
15. Hebrides	Fair to fine.	Fair.	Smooth.					
16. Orkneys and Shetlands	Fair, hazy.	Indiff.	V. Smooth					
17. N.W. Ireland	Fair.	"	Mod.					
18. N.E. Ireland	Mist and showers.	"	Slight.					
19. S.E. Ireland	Rain or drizzle, coastal fog.	Poor.	"					
20. S.W. Ireland	Rain.	Fair.	"					

Chart of Position Numbers

Upper Cloud

Visibility

EXPLANATION.

BAROMETER—Isobars are drawn at intervals of two millibars.
WIND—Direction is shown by arrow pointing with the wind. Force, on the Beaufort scale, 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 C.
WEATHER SYMBOLS—
 ○ clear sky. ○ sky & cloud. ○ sky & cloud. ○ overcast sky. ● rain falling. * snow. ▲ hail. ≡ fog. T thunder. E thunderstorm.
SEA DISTURBANCE— Rough High

GENERAL INFERENCE from observations received up to 9h.G.M.T.

A depression centred near Valencia is moving slowly East or North-East. Rain or drizzle is probable generally, with mist or fog on the South and West coasts. Later the wind will veer towards West in England and Ireland and the weather improve, though continuing unstable.

Districts.	Forecasts for the 24 hours commencing 15h.G.M.T. Thursday, 1st July, 1920.
1. S.E. England	Wind Southerly, veering towards West, light or moderate, fresh locally; dull, some rain or drizzle, then fairer; some mist or fog on Channel; visibility indifferent, then fair; moderate temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind South-West to West, moderate or fresh; dull, some rain, mist or fog on coast, then fairer; visibility indifferent, then fair; moderate temperature.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Wind South or South-East, then variable or South-West to West, light or moderate, rain or drizzle, mist or fog on coast, then improving; visibility indifferent to fair; rather cool.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Wind between South and South-East or East, light, then variable direction; mainly cloudy to overcast, some rain or showers; visibility mainly fair; moderate or rather low temperature.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Wind becoming West or North-West, light or moderate, fresh locally; rainy or showery, some mist or fog on coast, then fairer; visibility indifferent to fair; moderate temperature.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook.

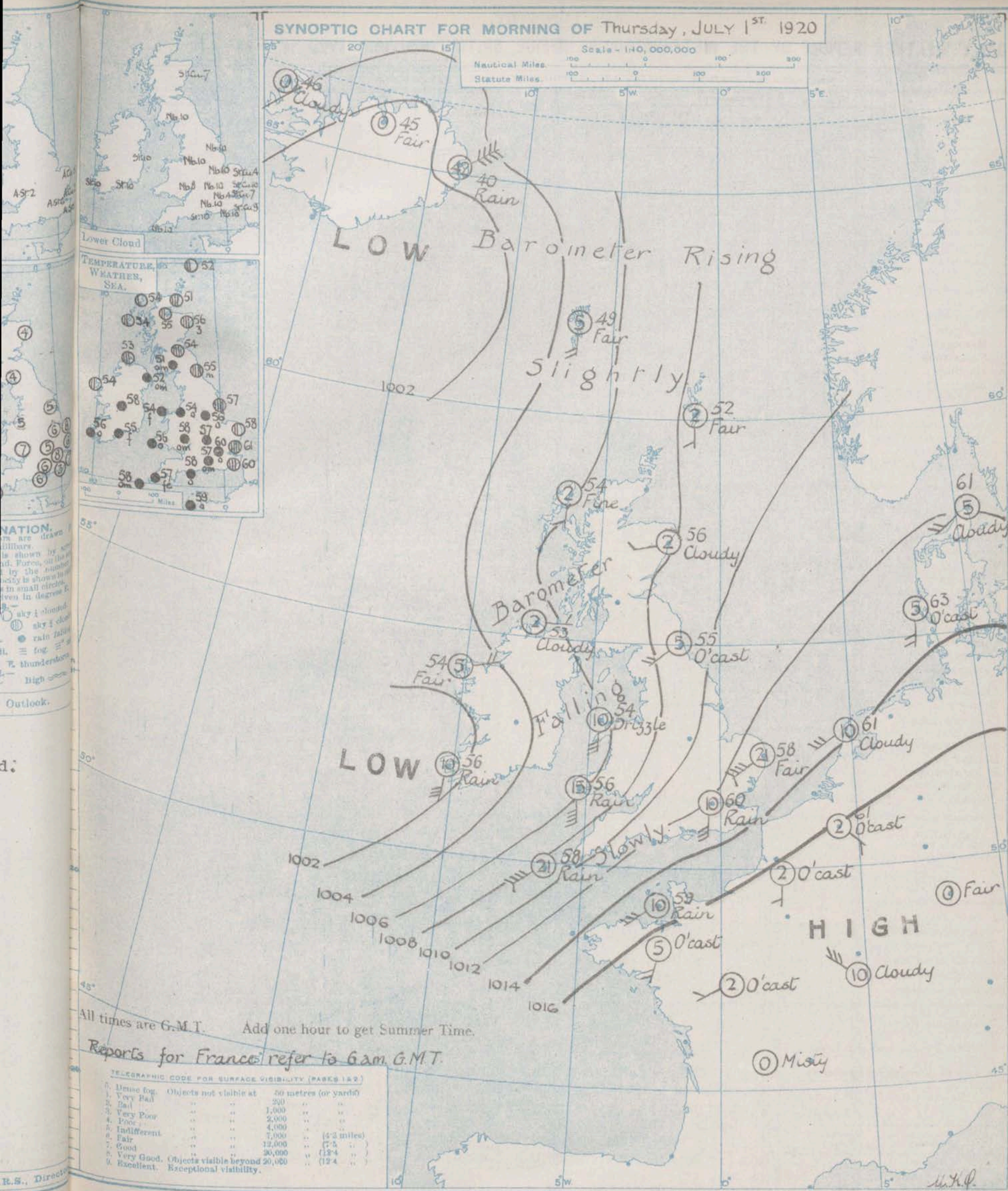
Withheld:

SYNOPTIC CHART FOR MORNING OF Thursday, JULY 1ST 1920

Scale - 1:40,000,000

Nautical Miles

Statute Miles



All times are G.M.T. Add one hour to get Summer Time.

Reports for France refer to G.M.T.

1. Dense fog.	Objects not visible at	50 metres (or yards)	
2. Very Bad	" "	200	" "
3. Bad	" "	1,000	" "
4. Very Poor	" "	2,000	" "
5. Poor	" "	4,000	" "
6. Indifferent	" "	7,000	" (12 miles)
7. Fair	" "	12,000	" (7.5 ")
8. Good	" "	20,000	" (12.4 ")
9. Very Good.	Objects visible beyond 20,000	" (12.4 ")	
	Exceptional visibility.		

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 183.

Thursday

1st July

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

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		
	Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night.	Day.	to 17h.	Sunrise to Sun- set.		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night.	Day.	to 17h.	Sunrise to Sun- set.	
					17h-20h. 29°-30°	9h-17h. 30°								30°	29°			17h-20h. 29°-30°	9h-17h. 30°	30°	29°
Scotland, N.W.	Oban	c.	bc	57	48	7	-	8.8	3.3	Douglas (I.O.M.)	*	*	61	51	1	-	8.5	4.6
	Banff									Blackpool			63	55	0.4	-	7.1	4.8
	Montrose	bc.	bc	65	52	-	-	8.7	3.4	Southport	bc.c	c.bcc	64	53	-	-	7.0	5.8
	St. Andrews	c.	c	65	51	-	-	9.4	5.7									
England, N.E.	Harrogate	bc.c	c.o.c	62	49	0.1	-	3.5	5.1	Buxton	c.bcc	bc.c	61	48	0.1	-	11.2	5.8
	Scarborough	bc	bc	66	52	-	-	4.7	4.4	Leamington Spa	c.	c.b	66	53	-	-	5.8	6.4
	Skegness	bc.c	bc.c	66	55	-	-	9.2	5.7	Malvern	c.	c.	64	52	0.1	-	3.5	5.3
England, E.	Lowestoft	bc.	bc	64	54	-	-	10.1	13.1									
	Felixstowe	bc.	c	71	57	-	-	11.7	8.9	Bath	bc.c	bc.c	65	53	-	-	3.0	4.1
	Southend-on-Sea	bc.c	c.bcc	72	55	-	-	8.7	6.8	Rhyl	c.bcc	c	61	52	-	-	2.5	5.8
England, S.E.	Tunbridge Wells	bc.c	bc.c	67	53	-	-	8.5	1.6	Colwyn Bay			63	54	-	-	2.1	4.7
	Margate	bc.c	bc.c	70	54	-	-	10.7	8.5	Llandudno			61	55	-	-	4.2	6.3
	Ramsgate	*	*	69	52	-	-	10.3	7.2	Aberystwyth	c.c.c	c.c	60	56	-	-	0.5	4.5
	Folkestone	bc.c	bc	65	55	-	-	10.9	7.2	Swansea	*	*	63	58	5	-	2.0	6.5
	Hastings	bc	bc	65	56	-	-	10.3	7.7	Weymouth	bc.	bc.c	68	55	-	-	10.6	6.8
	Eastbourne	c.bcc	bc	64	57	-	-	9.6	7.3	Teignmouth	bc.c	c.o.p	66	54	-	-	7.5	9.3
	Brighton	bc.c	bc.c	65	59	1	-	9.6	1.6	Torquay	bc.c	bc.c	65	54	-	-	6.5	9.3
	Worthing	bc.c	bc.c	66	58	-	-	9.0	2.1	Paignton	bc.	c.p	67	49	0.3	-	8.4	7.8
	Littlehampton	c.bcc	bc	64	57	-	-	10.0	2.8	Penzance	c.c.bcc	c.o.c	62	53	0.3	4	3.3	10.2
	Portsmouth (S'thsea)	*	*	66	57	-	-	9.5	3.2	Newquay	bc.c	c.o.p	63	52	1	1	5.0	7.3
	Bournemouth	*	*	66	56	1	-	11.0	5.7	Bude	bc.c	c.p	64	55	3	1	2.1	8.1
	Ventnor (I. of W.)	*	*							Ilfracombe	c.p.c	c.o.p	62	56	1	0.4	2.8	7.1
										Weston-s-Mare	bc.c	bc.c	65	54	-	-	1.5	4.0
										Tenby (Wales)	c.b.c	c.c.p	62	53	3	4	1.0	6.3

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. F.	Min. Temp. F.	Mld. on Grass F.	RAINFALL.		Sun. Hours
	7h-13h 30'	13h-18h 30'	18h-24h 1 st	1h-7h. 1 st				Day. 7h-18h	Night. 18h-7h	
Renfrew	c.o.p.	c.o.p.	b.c.c.f.		61	50	49	mm.	mm.	9.6
Eskdalemuir ...	c.o.p.	c.o.p.	c.o.p.	p.d.d.	56	48	46	4	1	2.0
Valencia (Cahirciveen) ...	c.o.p.	o.p.	p.r.s.	r.s.	58	52	51	1	11	0.0
Baldonnel ...	c.p.	p.q.v.	if.r.	orr	63	50	4	trace	2	3.0
Ross on Wye ...			r.s.	p.d.d.	66	53	52	trace	1	2.6
Didsbury ...	c.o.p.	c.o.p.	c.o.p.	orr	66	53	49	-	4	4
Falmouth ...	b.c.c.o	o	or	orr	63	55	55	2	9	5.7
Calshot (Hants) ...	b.c.c.b.c.	b.c.c.	c.o.p.o.f.	p.o.f.	64	56	56	-	0.2	12.0
Lympne (Folkestone) ...	b.c.c.o.f.f.	b.c.c.	c.o.p.b.c.	ow	63	53	50	-	-	13.5
Aberdeen ...	f.c.c.p.b.c.	b.c.b.b.c.	b.b.b.b.c.	if.z.f.	67	45	37	0.3	-	12.7
Howden ...	o.g.	c.o.p.	r.s.o	r.s.o.f.	65	52	52	-	2	4.1
Cranwell (Lines) ...	b.c.c.o	c.o.p.	a.r.s.	s.f.p.d.	69	52	*	-	1	6.8
Felixstowe ...	b.c.c.	b.c.c.	c.o.c	c.o	71	57	*	*	*	*
Shoeburyness ...	b.c.c.	b.c.c.f.	b.b.c.o	c.o.c	71	57	55	-	-	9.5
Benson ...	b.b.c.	b.c.c.		or.r.	68	54	53	-	1	*
S. Farnborough ...	v.b.c.c.	b.c.c.b.c.c.	b.c.c.o	or.r.	71	54	52	-	1	11.5
London (Kew Obs.) ...	b.c.c.	b.c.c.	c.o.p.	o.p.	70	57	53	-	-	9.0
Croydon ...	b.c.c.	c.o.b.c.c.	o.p.d.	b.c.c.d.d.	?	57	*	-	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.
i lightning.
m mist.
n 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.

Capital letters indicate intensity, and repetition of letters continuity, thus -
R = heavy rain.
rr = continuous moderate rain.
c.f. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

Limits of Velocity at about 30 feet above ground.

No.	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	1.6-3.8
3	8-12	3.8-5.4
4	13-18	5.4-7.9
5	19-24	8.0-10.7
6	25-31	10.6-13.8
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

SYMBOLS—

Aurora ☀ Solar halo ☼
Kine ☾ Lunar halo ☾
Glazed frost ☼ Solar corona ☼
Glazed roads ☼ Lunar corona ☼

LONDON OBSERVATIONS.

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. G.M.T.	9 h. G.M.T.
	24 HOURS ENDED 9h G.M.T.						YESTERDAY.		TO-DAY.	
Greenwich (Royal Observatory)	bc	bcc	ofof.	74	56	52	-	11.5	45	92
City (Bunhill Row)	*	*	*	*	*	*	*	9.9	*	*
Westminster (St James's Park)	*	*	*	71	57	52	-	10.3	51	77
" (Admiralty Arch)	bcza	cqv	cvqoa	71	58	*	-	9.6	56	89
Camden Sq. (British Rainfall)	cbe	bcc	*	76	57	54	-	*	46	80
Kenington Palace	be	oc.o	*	70	57	54	0.1	*	58 (18h)	85
Hampstead Observatory ...	*	*	*	69	54	*	trace	9.8	*	85

SOUTH KENSINGTON (Meteorological Office).

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

Stations.	1st & 2nd July 1920.		
	Sunrise.	Noon.	Sunset.
Yarmouth ...	3.35	11.56	8.17
Greenwich ...	3.49	12.3	8.14
Wick ...	3.11	12.15	8.19
Valencia ...	4.26	12.44	9.2

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

Exposure from 30.24 h. 30 m. to 1.2 h. 30 m.

Stars.	Duration of Exposure.		Duration of Record.		%
Polaris	h.	m.	h.	m.	
δ Ursae	5.	0	-	9	3
Minoris	5.	0	-	5	2

NOTES ON THE WEATHER OF YESTERDAY.

Temperature touched or exceeded 70° at a few places in the South-East of England but remained below 65° over a considerable portion of the Kingdom. Fair to good records of sunshine were reported except in Wales, Ireland, and the South-West of England; at Lympne the value was 13.5 hrs., and at Nairn 13.2 hrs. Rain fell in the West and North; generally the amount was slight, but Scilly had 8 mm; Falmouth 9 mm., and Valencia and Roche's Point 11 mm.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21407

FRIDAY, 2nd July 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 15H AND 18H.

STATIONS.	OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 15H AND 19H.																																																								
	1H.														7H.														15H.														19H.														
	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.	Dir.	Force 0-12.	°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.	°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.	°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.																		
13H. G.M.T. OF 1 st																													15H. G.M.T. OF 1 st																												
Renfrew	1005.0	-1	NE	2	56	85	5	2000	NB	10	-	-	-	1002.8	-2	NE	2	56	92	4	1250	NB	7	ASC	3	-	1002.8	-2	NE	2	56	92	4	1250	NB	7	ASC	3	-																		
Esksdalemuir	1004.8	-2	ESE	3	55	85	5	2000	NB	10	-	-	-	1002.3	-3	ESE	3	55	92	4	3000	NB	10	-	-	-	1002.3	-3	ESE	3	55	92	4	3000	NB	10	-	-	-																		
Valencia (Cahire's)	999.6	-2	SSW	3	57	92	6	1250	SE	10	-	-	-	997.9	-2	0	0	58	92	6	750	SE	10	-	-	-	997.9	-2	0	0	58	92	6	750	SE	10	-	-	-																		
Baldonnel	1002.3	-2	E	3	56	85	6	750	SE	10	-	-	-	1000.6	-4	E	2	55	92	2	1500	NB	10	-	-	-	1000.6	-4	E	2	55	92	2	1500	NB	10	-	-	-																		
Ross on Wye	1004.0	-1	SW	3	60	92	5	1250	NB	10	-	-	-	1006.4	-1	SSW	4	58	85	7	1250	NB	6	ASC	4	-	1006.4	-1	SSW	4	58	85	7	1250	NB	6	ASC	4	-																		
Didsbury	1004.8	-4	SE	4	59	85	4	750	NB	10	-	-	-	1003.8	-1	S	3	60	92	4	750	NB	10	-	-	-	1003.8	-1	S	3	60	92	4	750	NB	10	-	-	-																		
Falmouth	1007.9	0	SW	5	56	92	4	-	NB	10	-	-	-	1003.3	-6	WSW	6	57	92	2	-	NB	10	-	-	-	1003.3	-6	WSW	6	57	92	2	-	NB	10	-	-	-																		
Calshot (Hants)	1010.9	-1	SW	5	60	92	7	1250	SEA	10	-	-	-	1009.6	-2	SW	4	58	92	8	750	SE	10	-	-	-	1009.6	-2	SW	4	58	92	8	750	SE	10	-	-	-																		
Lymington (Folkestone)	1013.0	-1	SSW	5	59	92	8	1250	NB	6	ASC	4	-	1011.6	-1	SSW	4	58	85	7	1250	NB	10	-	-	-	1011.6	-1	SSW	4	58	85	7	1250	NB	10	-	-	-																		
1H. G.M.T. OF 2 nd																													7H. G.M.T. OF 2 nd																												
Renfrew	1001.3	-1	ESE	2	54	97	3	2000	SE	10	-	-	-	1002.5	1	-	0	53	97	4	1250	NB	10	-	-	-	1002.5	1	-	0	53	97	4	1250	NB	10	-	-	-																		
Esksdalemuir	1001.6	12	NNW	5	52	-	-	-	-	-	-	-	-	1001.7	12	ESE	1	55	92	6	2000	SE	10	-	-	-	1001.7	12	ESE	1	55	92	6	2000	SE	10	-	-	-																		
Valencia (Cahire's)	999.9	0	-	0	54	97	1	-	-	-	-	-	-	1000.3	17	NNW	5	55	85	7	2000	SEA	10	-	-	-	1000.3	17	NNW	5	55	85	7	2000	SEA	10	-	-	-																		
Baldonnel	1000.0	0	-	0	54	97	1	-	-	-	-	-	-	1000.7	11	NNW	1	54	97	4	1500	SE	10	-	-	-	1000.7	11	NNW	1	54	97	4	1500	SE	10	-	-	-																		
Ross on Wye	1001.5	0	-	0	54	97	1	-	-	-	-	-	-	1001.5	0	S	3	61	85	8	3000	SEA	7	ASC	1	-	1001.5	0	S	3	61	85	8	3000	SEA	7	ASC	1	-																		
Didsbury	1001.2	-2	SSW	5	55	92	7	-	SEA	5	-	-	-	1001.9	-2	ESE	3	58	92	4	2000	NB	10	-	-	-	1001.9	-2	ESE	3	58	92	4	2000	NB	10	-	-	-																		
Falmouth	1005.7	-4	SW	4	60	92	6	1250	NB	10	-	-	-	999.5	11	SW	5	57	92	4	-	NB	10	-	-	-	999.5	11	SW	5	57	92	4	-	NB	10	-	-	-																		
Calshot (Hants)	1009.4	-4	S	2	57	92	7	3000	SEA	5	ASC	2	-	1006.9	-1	S	4	60	85	8	2000	SEA	10	-	-	-	1006.9	-1	S	4	60	85	8	2000	SEA	10	-	-	-																		
Lymington (Folkestone)	1007.8	-3	S	4	57	92	7	2000	SEA	4	ASC	4	-	1006.9	-1	S	4	60	85	8	3000	SEA	4	ASC	6	-	1006.9	-1	S	4	60	85	8	3000	SEA	4	ASC	6	-																		
Aberdeen	1004.4	-1	S	4	56	92	5	2000	SEA	8	ASC	2	-	1004.0	11	N	2	54	92	4	-	NB	10	-	-	-	1004.0	11	N	2	54	92	4	-	NB	10	-	-	-																		
Howden	1007.1	0	S	4	52	98	5	3000	SEA	10	-	-	-	1003.0	-1	ESE	4	57	97	5	1250	NB	10	-	-	-	1003.0	-1	ESE	4	57	97	5	1250	NB	10	-	-	-																		
Cranwell (Lincoln)	1007.1	0	S	4	52	98	5	3000	SEA	10	-	-	-	1004.0	-1	ESE	4	58	97	5	750	SE	10	-	-	-	1004.0	-1	ESE	4	58	97	5	750	SE	10	-	-	-																		
Felixstowe	1007.5	-1	SSW	4	65	85	7	-	SEA	2	ASC	6	3	1007.5	-1	SSW	4	65	85	7	-	SEA	2	ASC	6	3	1007.5	-1	SSW	4	65	85	7	-	SEA	2	ASC	6	3																		
Shoeburyness	1006.2	-2	SW	4	61	85	8	3000	SEA	10	-	-	-	1006.2	-2	SW	4	61	85	8	3000	SEA	10	-	-	-	1006.2	-2	SW	4	61	85	8	3000	SEA	10	-	-	-																		
Benson	1007.4	-1	SSW	5	59	97	5	-	SEA	9	-	-	-	1007.4	-1	SSW	5	59	97	5	-	SEA	9	-	-	-	1007.4	-1	SSW	5	59	97	5	-	SEA	9	-	-	-																		
S. Farnborough	1007.3	-3	S	4	57	92	7	2000	SEA	4	ASC	4	-	1004.3	-1	SSW	3	60	92	6	2000	NB	7	ASC	3	-	1004.3	-1	SSW	3	60	92	6	2000	NB	7	ASC	3	-																		
London (M.O. at 1h)	1007.3	-3	S	4	57	92	7	2000	SEA	4	ASC	4	-	1004.3	-1	SSW	3	60	92	6	2000	NB	7	ASC	3	-	1004.3	-1	SSW	3	60	92	6	2000	NB	7	ASC	3	-																		
Croydon	1007.8	-3	S	4	57	92	7	2000	SEA	4	ASC	4	-	1005.7	-1	S	3	59	92	7	750	NB	8	ASC	2	-	1005.7	-1	S	3	59	92	7	750	NB	8	ASC	2	-																		
STATIONS CONTRIBUTING REPORTS AT 7H. AND 15H.																																																									
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.	Dir.	Force 0-12.	°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.	°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.	°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.																		
	15H. G.M.T. OF 1 st																																																								
Lerwick	1009.9	55	ESE	3	bc	1006.9	-2	52	0	NNE	2	-	0.1	55	49	bc.	bc.	fr.	1006.9	-2	52	0	NNE	2	-	0.1	55	49	bc.	bc.	fr.	1006.9	-2	52	0	NNE	2	-	0.1	55	49	bc.	bc.	fr.													
Stornoway	1005.4	56	N	2	c	1006.7	+2	55	+1	N	5	-	b	60	50	bc.	bc.	bc.	1006.7	+2	55	+1	N	5	-	b	60	50	bc.	bc.	bc.	1006.7	+2	55	+1	N	5	-	b	60	50	bc.	bc.	bc.													
Castlebay (Barra)	1004.7	56	N	3	c	1006.1	+2	53	-1	N	4	-	bc	58	50	bc.	bc.	bc.	1006.1	+2	53	-1	N	4	-	bc	58	50	bc.	bc.	bc.	1006.1	+2	53	-1	N	4	-	bc	58	50	bc.	bc.	bc.													
7H. G.M.T. OF 2 nd																																																									
Malin Head	1002.0	54	ENE	3	c	1003.4	+1	53	0	N	4	-	c	57	52	c	c	c	1003.4	+1	53	0	N	4	-	c	57	52	c	c	c	1003.4	+1	53	0	N	4	-	c	57	52	c	c	c													
Blacksod Point	1001.1	56	NNE	5	c	1004.7	+6	54	0	N	6	-	c	56	52	bc.	bc.	bc.	1004.7	+6	54	0	N	6	-	c	56	52	bc.	bc.	bc.	1004.7	+6	54	0	N	6	-	c	56	52	bc.	bc.	bc.													
Roche's Point	999.7	55	SE	2	0	1000.4	+3	55	0	NNW	4	-	0	57	54	orm	orm	orm	1000.4	+3	55	0	NNW	4	-	0	57	54	orm	orm	orm	1000.4	+3	55	0	NNW	4	-	0	57	54	orm	orm	orm													
Birr Castle	999.6	59	SE	1	r	1001.5	-	53	-5	N	2	-	0	60	52	ora	<																																								

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 2.7.1920.

Temperature reported from Coastal and Cross Channel Steamers.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
1. S.E. England	Dull, local drizzle.	Good	Mod.	1	1 st	1109	56	60
2. E. England	Dull or cloudy: squally on coast.	Fair	Slight.	6	1 st	1425	58	-
3. E. Midlands	Dull: some mist.	(fog. Indiff.	-	2	2 nd	0105	55	57
4. W. Midlands	Cloudy or dull.	Good	-	4	2 nd	0305	51	52
5. S.W. England	Dull, squally: some rain & (fog.	Poor	R. Rough.	8	2 nd	0405	60	61
6. South Wales	Dull.	Fair	Slight.					
7. North Wales	Dull: mist & rain.	Poor	Smooth.					
8. N.W. England	Dull, gloomy: some rain.	"	"					
9. N. Midlands	Dull or cloudy.	Indiff.	-					
10. N.E. England	Dull: local mist.	"	Slight.					
11. E. Scotland	Dull: mist & drizzle.	Poor	"					
12. S.W. Scotland	Dull: some rain & mist.	Indiff.	"					
13. Isle of Man	Dull.	"	Smooth.					
14. N. & N.W. Scotland	Dull: some mist & fog.	Poor	"					
15. Hebrides	Fair to fine.	Fair	Mod.					
16. Orkneys and Shetlands	Mist & rain.	Poor	Smooth.					
17. N.W. Ireland	Cloudy.	Fair	R. Rough.					
18. N.E. Ireland	Dull to cloudy: some fog & (rain. "	Indiff.	Mod.					
19. S.E. Ireland	Dull: some rain.	"	Slight.					
20. S.W. Ireland	Dull, misty.	Fair	Mod.					

Chart of Position Numbers.

Upper Cloud

Visibility

EXPLANATION.

BAROMETER.—Isobars are intervals of two millibars.
WIND.—Direction is shown by flying with the wind. Force, on a 0-12, is indicated by the number of feathers. Mean velocity is shown per hour by figures in small circles.
TEMPERATURE.—Is given in degrees.
WEATHER SYMBOLS.
 ☉ clear sky. ☁ sky & clouds. ☂ sky & rain.
 ☄ overcast sky. ☂ rain & hail.
 * snow. ▲ hail. ≡ fog.
 T thunder. E thunder & rain.
SEA DISTURBANCE.—
 Rough High

GENERAL INFERENCE from observations received up to 9h. G.M.T.

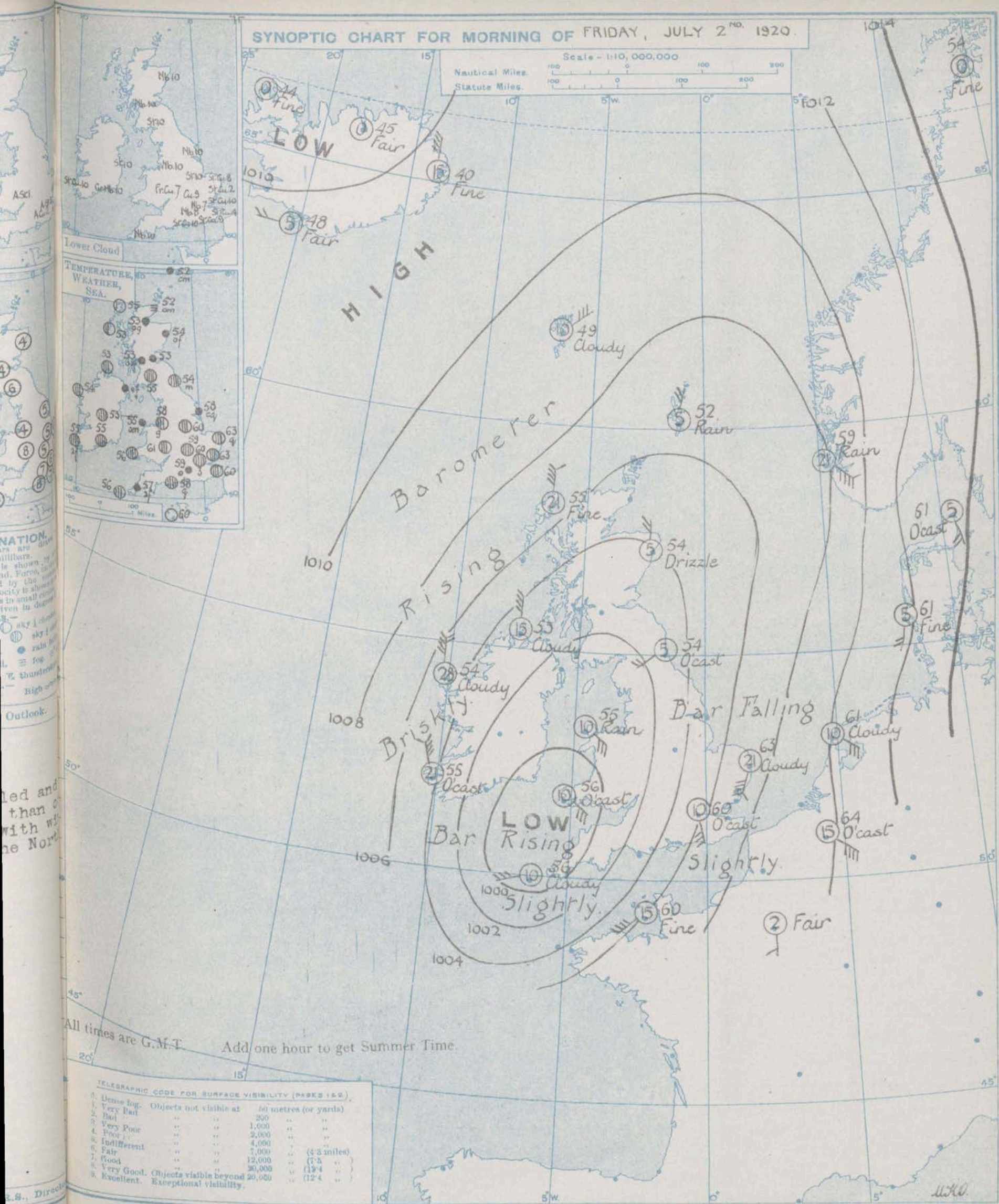
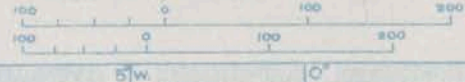
The depression over Wales and the St. George's Channel seems to be moving E.S.E. or E. It will probably decrease somewhat in intensity but rain is likely at times over the Eastern and Southern parts of the Kingdom and showers may be expected in the West. Temperature will become lower over England.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 2nd July, 1920.	Further Outlook.
1. S.E. England	Wind between S.E. and S.W., then between N.E. and N.W., moderate or light, fresh locally; much low cloud, rain or drizzle at times, some fairer intervals, visibility mainly fair; temperature falling.	Unsettled and cooler than of late, with wind from the Northward.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales		
7. North Wales	Wind between N. and N.E., light or moderate, fresh locally; dull, some rain, then fair, visibility fair to good; cool.	
8. N.W. England		
9. N. Midlands		
10. N.E. England		
11. E. Scotland		
12. S.W. Scotland		
13. Isle of Man	Northerly wind, fresh or strong to moderate; variable sky, some showers, visibility fair to good; cool.	
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 FRIDAY, JULY 2ND, 1920.

Nautical Miles.
Statute Miles.

Scale - 1:10,000,000



All times are G.M.T. Add one hour to get Summer Time.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGE 142)

	Objects not visible at	10 metres (or yards)
0. Dense fog.		200
1. Very bad.		1,000
2. Bad.		2,000
3. Very Poor.		4,000
4. Poor.		7,000
5. Indifferent.		12,000
6. Fair.		20,000
7. Good.		20,000
8. Very Good.	Objects visible beyond	20,000
9. Excellent.	Exceptional visibility.	

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 184...

Friday

2nd JulyWEATHER, 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. 30-1 st F.	Day. 9h-17h. 1 st F.	to 17h. 1 st F.	Sunrise to Sunset. 1 st F.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-9h. 30-1 st F.	Day. 9h-17h. 1 st F.	to 17h. 1 st F.	Sunrise to Sunset. 1 st F.
Scotland.									England, N.W.								
Oban	O.	C.O.	60	49	-	-	0.4	9.0	Douglas (I.O.M.)								
Banff	bc.	bc.c	65	51	-	-	88	?	Blackpool	P.	P.O.	61	53	2	3	0.0	7.1
Montrose	C.B.C.	of	58	46	0.4	-	22	11.6	Southport	P.	P.O.	61	53	4	3	0.0	8.2
St. Andrews	op	op	57	47	1	-	0.0	11.9									
England, N.E.									Midlands.								
Harrogate	op	op	60	51	2	7	0.0	4.0	Buxton	P.C.P.	P.C.P.	58	50	6	3	0.0	4.3
Scarborough	O.	O.	64	54	-	5	0.0	6.2	Leamington Spa	O.P.	O.P.	64	53	3	1	0.0	5.8
Skegness	oud.r.	P.O.	63	54	-	4	0.0	9.5	Malvern	P.O.	O.P.	59	51	2	2	0.0	3.5
England, E.																	
Lowestoft	O.O.P.	O.	65	56	-	-	0.4	10.6	Bath	O.P.	O.P.	60	55	3	2	0.0	3.0
Felixstowe	O.P.	O.P.	64	53	-	0.2	0.6	12.9									
Southend-on-Sea	O.P.	O.P.	63	56	4.4	1	0.0	9.2	Wales.								
England, S.E.																	
Tunbridge Wells	O.P.	O.P.	61	54	-	1	0.0	9.8	Rhyl	*	*	63	54	3	2	0.1	2.3
Margate	O.	O.	65	56	-	-	0.0	12.3	Colwyn Bay	P.P.	P.O.P.	61	52	2	4	0.0	4.2
Ramsgate	*	*	64	54	-	-	0.2	12.3	Llandudno	P.P.	P.O.P.	61	57	10	3	0.0	0.5
Folkestone	O.P.	O.	62	57	1	-	0.0	12.9	Aberystwyth	P.O.	P.O.P.	61	57	10	3	0.0	0.5
Hastings	O.P.	O.P.	61	56	1	1	0.0	12.0	Swansea	*	*	60	56	11	10	0.0	2.0
Eastbourne	O.P.	O.P.	61	57	-	2	0.0	10.7	Weymouth	P.O.P.	P.O.	60	55	4	3	0.0	10.6
Brighton	O.P.	O.P.	60	58	-	3	0.0	11.0	Teignmouth	O.P.	O.P.	62	55	1	1	0.0	4.7
Worthing	O.P.	O.	61	57	-	2	0.0	10.6	Torquay	O.P.	O.P.	61	56	3	2	0.0	6.5
Littlehampton	C.O.	O.P.	64	56	-	3	0.0	10.7	Paignton	O.P.	O.P.	59	56	9	10	0.0	3.3
Portsmouth (Sthsea)	*	*	61	55	1	2	0.0	10.2	Penzance	O.P.	O.P.	59	56	9	10	0.0	3.3
Bournemouth	*	*	61	57	2	3	0.0	11.0	Newquay	O.P.	O.P.	59	54	5	8	0.0	5.0
Ventnor (I. of W.)	*	*	61	56	2	5	0.0	P	Bude	P.O.P.	O.P.	64	55	4	7	0.0	2.1
									Ilfracombe	O.P.	O.P.	60	55	9	9	0.0	2.8
									Weston-s-Mare	O.C.P.	O.P.	62	53	14	2	0.0	1.5
									Jenby (S. Wales)	P.	O.P.	60	54	12	6	0.0	1.0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	Rainfall.		Sun. Hours.
	7h-15h.	15h-18h.	18h-1 st 2 nd .	1h-7h.				Day. 7h-15h.	Night. 15h-7h.	
RENFREW.	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	58	52	52	3	6	0.4
Eskdalemuir	C.7.7.7.	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	56	50	53	4	8	0.1
Valencia (Cahirciveen)	P.P.	01/9.4.4.8	01/9.4.4.8	01/9.4.4.8	59	54	52	4	4	0.0
Baldonnel	O.P.	25/9.4.4.8	01/9.4.4.8	01/9.4.4.8	63	51	5	6	5	0.0
Ross on Wye	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	62	56	54	6	9	0.0
Didsbury	RR.2/9.4.4.8	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	63	54	50	13	4	*
Falmouth	O.P.	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	59	54	53	10	8	0.0
Calshot (Hants)	O.P.	O.P.	02/9.4.4.8	02/9.4.4.8	62	57	56	5	1	0.0
Lympne (Folkestone)	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	60	56	54	0.3	0.4	0.0
Aberdeen	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	62	53	52	-	9	4.0
Howden	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	63	53	53	3	3	*
Cranwell (Lincs)	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	63	54	*	2	3	0.1
Felixstowe	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	65	58	*	*	*	*
Shoeburyness	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	66	57	*	1	1	0.1
Benson	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	61	55	54	1	6	*
S. Farnborough	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	62	55	50	1	3	0.0
London (Kew Obs.)	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	65	56	49	91	56	0.0
Croydon	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	02/9.4.4.8	63	56	*	2	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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
r.f. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.8
1	1-3	0.8-1.6
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	10.8-13.5
7	32-38	13.6-17.1
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

SYMBOLS—

Aurora ☀ Solar halo ☀
Rime ☁ Lunar halo ☁
Glazed frost ☁ Solar corona ☀
Glazed roads ☁ Lunar corona ☀

LONDON OBSERVATIONS.

	Morning.	Afternoon.	Night.	F.	F.	F.	mm.	Hours.	G.M.T.	G.M.T.
	24 HOURS ENDED 9h G.M.T. 2 nd							YESTERDAY.	TO-DAY.	
Greenwich (Royal Observatory)	0.0r	0d.0	0bc.0r	66	56	51	7	0.0	72	74
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James's Park)	*	*	*	64	57	51	6	0.0	72	72
.. (Admiralty Arch)	0zdq	0zqd	0z0r	64	57	*	6	0.0	85	75
Camden Sq. (British Rainfall)	0r0	0c.0r	*	66	56	52	5	*	73	70
Kensington Palace	0.0r.	0.0r	*	65	56	52	9	*	90 (18h)	75
Hampstead Observatory	*	*	*	61	55	4	9	0.0	*	85

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	2 nd & 3 rd JUNE 1920.	
	Stations.	Sunrise. Noon. Sunset.
Total Joules.	Yarmouth ...	G.M.T. G.M.T. G.M.T.
	Greenwich ...	3.36 11.57 8.17
Average Rate. 10.3	Wick ...	3.49 12.4 8.18
	Valencia ...	3.52 12.4 8.18
Maximum Rate. 60	Wick ...	3.12 12.16 9.19
	Valencia ...	4.27 12.45 9.2

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

Exposure from 1st 21 h. 30 m. to 2nd 2 h. 30 m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	5.0	1.41	34
δ Ursae Minoris	5.0	1.7	42

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell very generally, the amount being moderate generally, but large in the S.W. and W.; 28mm at Scilly, 18mm at Falmouth and Holyhead, 17mm at Didsbury, 15mm at Ross-on-Wye, and about 12mm at several other stations. As much as 14mm was also reported at Kew. Over the greater part of the Kingdom there was no bright sunshine, but some Scottish stations recorded several hours. Temperature remained below 60° over a large area and below 65° in nearly all localities.



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

No. B.21408

SATURDAY, 3rd JULY. 1920.

TEMPERATURE.	
RE. F.	Min. ° F.
84	66
84	68
86	70
86	68
82	68
73	72
84	73
86	68
90	70
84	70
81	73
86	74
93	

rance

ay

2

th

100

* Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

§ For code see page 3.

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 3.7.1920.

Temperature reported from Coastal and Cross Channel Steamers.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
1. S.E. England	Dull, mist & rain in parts.	Good	Smooth.	5	2nd	0725	52	54
2. E. England	Dull to cloudy; local fog.	Indiff.	Slight.	3	2nd	0925	53	55
3. E. Midlands	Dull.	Fair	-	6	2nd	1455	60	65
4. W. Midlands	Dull, misty.	"	-	7	3rd	?	57	58
5. S.W. England	Dull to cloudy.	"	R. Rough.	2	3rd	0055	56	56
6. South Wales	Dull, squally.	"	"	12	3rd	0310	51	52
7. North Wales	Dull: some mist & rain.	Poor	"	5	3rd	0728	53	54
8. N.W. England	Dull, gloomy, local fog.	"	Smooth.					
9. N. Midlands	Dull, misty.	"	-					
10. N.E. England	Dull, misty, local rain.	Indiff.	Slight.					
11. E. Scotland	Dull, local showers.	V. Good	Smooth.					
12. S.W. Scotland	Dull.	Fair	Mod.					
13. Isle of Man	Dull, misty, squally.	Poor	"					
14. N. & N.W. Scotland	Dull, misty.	Indiff.	"					
15. Hebrides	Fine to fair.	Fair	"					
16. Orkneys and Shetlands	Fair.	"	Slight.					
17. N.W. Ireland	Fair.	"	"					
18. N.E. Ireland	Cloudy: squally: some mist.	Indiff.	Mod.					
19. S.E. Ireland	Fair to cloudy.	Fair.	"					
20. S.W. Ireland	Cloudy.	V. Good	"					

Chart of Position Numbers

GENERAL INFERENCE from observations received up to 9h. G.M.T.

A depression lying over Northeast England and the Midlands is gradually filling up. Local thunderstorms are probable in England, Wales and Southern Scotland and changeable conditions are probable generally during the next day or two.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 3rd July, 1920.
1. S.E. England	Wind S.W. veering towards North later, light or moderate; squally, changeable, some rain or showers, thunder locally, visibility good; rather cool.
2. E. England	
3. E. Midlands	
4. W. Midlands	Wind N. or N.W., moderate or fresh; changeable, some or showers, perhaps thunder, visibility good; rather cool.
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	Wind Northerly, moderate or fresh; variable sky, some showers, perhaps thunder, visibility mainly good; rather cool.
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	As for 4 - 8.
19. S.E. Ireland	
20. S.W. Ireland	

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of two millibars.
WIND.—Direction is shown by the flying with the wind. Force, in knots, 0-12, is indicated by the number of feathers. Mean velocity is shown in per hour by figures in small circles.
TEMPERATURE.—Temperature is given in degrees Fahrenheit.
WEATHER SYMBOLS.
 ☉ clear sky. ☁ sky & clouded. ☁☁ overcast sky. * snow. ▲ hail. ☼ fog. T thunder. R thunder & rain. SEA DISTURBANCE.—Rough. High seas.

Further Outlook.

Rather cool generally; changeable, thunder locally.

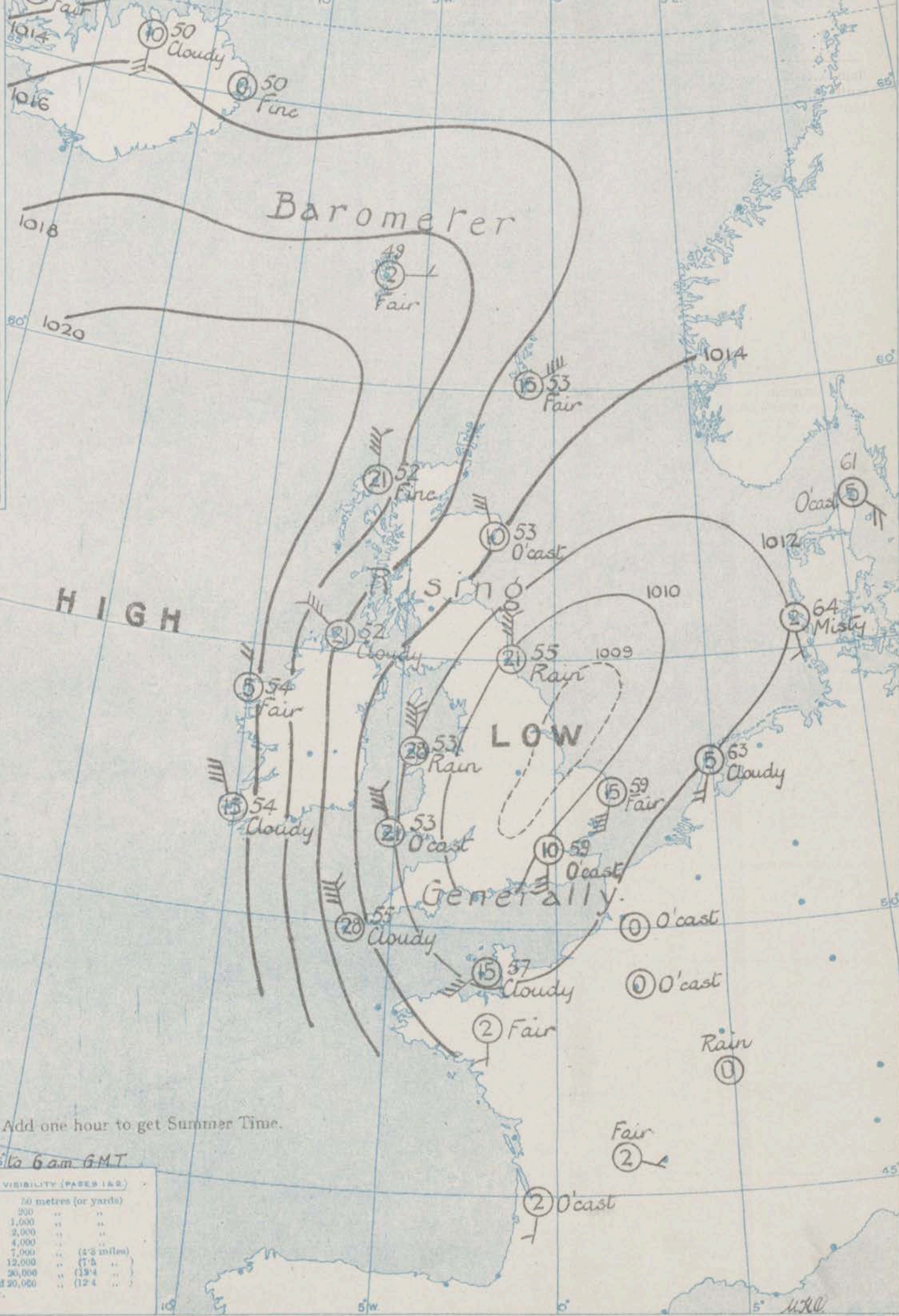
LOW 20 15

Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200

10° 5°



Exports for France refused 6 am GMT.

GRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 142.)

	Objects not visible at	50 metres (or yards)
1. Fair	"	500 "
2. Very Poor	"	1,000 "
3. Poor	"	2,000 "
4. Indifferent	"	4,000 "
5. Fair	"	7,000 " (1/2 miles)
6. Good	"	12,500 " (7 1/2 "
7. Very Good	"	20,000 " (12 1/2 "
8. Excellent	"	20,000 " (12 1/2 "

Objects visible beyond 20,000
Exceptional visibility.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 185.

Saturday
3rd July

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 2 nd																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h. 1 st -2 nd	Day. 9h-17h. 2 nd	to 17h. 2 nd	Sunrise to Sunset. 1 st			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h. 1 st -2 nd	Day. 9h-17h. 2 nd	to 17h. 2 nd	Sunrise to Sunset. 1 st
Scotland.	Oban ...									England, N.W.	Douglas (I.O.M.)			62	52	7	-	5.6	0.0
	Banff ...	ro	oro	60	53	1	2	0.0	9.5		Blackpool ...	ro	te	67	56	5	-	6.7	0.0
	Montrose ...	or	or	54	52	6	10	0.0	2.2		Southport ...	o.c.ldr	cbe	64	55	7	1	1.8	0.0
	St. Andrews ...	or	or	53	52	7	4	0.0	0.0										
England, N.E.	Harrogate ...	o.c.p	coler	66	53	6	9	1.1	0.0	Midlands.	Buxton ...	b.c.b	b.b.c	63	53	4	1	2.4	0.0
	Scarborough ...	o	oph	66	54	2	2	4.5	0.3		Leamington Spa ...			66	53	10	1	3.4	0.0
	Skegness ...	obe	bc.obe	70	57	5	-	5.6	0.0		Malvern ...	o.cbe	b.c	63	55	4	0.4	2.7	0.0
England, E.	Lowestoft ...	bc	bc	67	47	1	-	7.6	0.4	Wales.	Bath ...	c.op	op	63	57	5	4	1.2	0.0
	Felixstowe ...	bc	bc	69	58	2	-	9.1	0.6		Rhyl ...	b.c.r	cbe	61	55	3	6	1.8	0.0
	Southend-on-Sea ...	op.cbe	b.c	72	55	2	-	6.0	0.0		Colwyn Bay ...	*	*	63	55	5	3	1.8	0.1
England, S.E.	Tunbridge Wells	c.be	c.b.c	66	55	3	-	4.3	0.0	England, S.W.	Llandudno ...	cp	cbe	62	53	7	2	1.8	0.0
	Margate ...	cbe	b	71	57	0.4	-	6.3	0.0		Aberystwyth ...	ro.s	ro	60	57	5	8	0.0	0.0
	Ramsgate ...	*	*	66	55	1	0.4	6.8	0.2		Swansea ...								
	Folkestone ...	bc	bv	67	58	1	-	6.6	0.0		Weymouth ...	c	cp.c	64	56	7	0.2	4.7	0.0
	Hastings ...	or.abe	b.b.c	66	57	*	1	6.1	0.0		Teignmouth ...	m.a.c	b.c	68	56	3	0.2	2.7	0.0
	Eastbourne ...	ro.cbe	b.c	67	57	2	0.3	6.9	0.0		Torquay ...	opr	c.b.c	65	56	10	0.3	5.0	0.0
	Brighton ...	b.b.c	c.o	65	58	4	-	6.0	0.0		Paignton ...	op.q	b.c.p.c	66	55	10	0.3	5.6	0.0
	Worthing ...	bc	bc.o	67	58	5	-	6.6	0.0		Penzance ...	cp.b	b.c	65	55	11	0.3	3.1	0.0
	Littlehampton ...	bc	c	64	57	3	-	5.0	0.0		Newquay ...	o.b.b	b.b.c	63	54	14	-	3.3	0.0
	Portsmouth (S th sea) ...	*	*	65	57	1	-	2.2	0.0		Bude ...	c.o.c	cp.b.c	65	55	10	0.4	3.4	0.0
	Bournemouth ...	*	*	65	55	10	-	3.5	0.0		Lifracombe ...	o.c	b.c.r	63	56	20	2	5.8	0.0
	Ventnor (I. of W.)	*	*	62	55	1	-	2.7	0.0		Weston-s-Mare ...	b.c.r	b.b.c	63	55	5	4	2.7	0.0
											Tenby (Wales)	b.c	p.b.c	66	54	20	1	5.1	0.0

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 at about 30 feet above ground.	No.	Limits of Velocity at about 30 feet above ground.	
	7h-13h.	13h-18h.	18h-24h.	1h-7h.				Day. 7h-13h.	Night. 18h-7h.					Statute miles per hour.	Metres per second.
Renfrew ...	o.c.p.	o.c.p.		o.c.p.	56	52	49	min. 14	min. 01	0.0	b	blue sky (not more than a quarter covered).			
Eskdalemuir ...	R. ult.	rt	o	o.r	60	49	49	2.0	1	0.8	bc	sky partly cloudy (one half covered).			
Valencia (Cahirciveen) ...	o.c.p.	b.c	b.b.c	b.b.c	59	52	48	-	-	9.9	c	generally cloudy (three quarters covered).			
Baldonnel ...	c.p.c	o.c	p.d.c	o.c	66	48	-	? 60	Trace	9.0	d	drizzle, or fine rain.			
Ross on Wye ...	c.p.c	o.c	p.d.c	b.b.c	66	54	51	2	-	5.1	e	wet air without rain falling.			
Didsbury ...	c.p.c	o.c	o.c	o.c	68	55	50	3	1	3	f	fog, g gloom.			
Falmouth ...	c.p.c	o.c	o.c	o.c	64	54	54	12	-	2.0	h	hail, l lightning.			
Calshot (Hants) ...	c.o	o.c	o.c	o.c	64	56	56	-	2	5.2	m	mist, o overcast sky.			
Lympne (Folkestone) ...	c.p.c	b.c.c	b.c.c	c.o.w	66	51	46	0.2	-	7.1	p	passing showers.			
Aberdeen ...	d.c.p	o.c	o.c	o.c	56	52	51	13	2	0.0	q	squalls, r rain.			
Howden ...	c.o	R.	3f.c	o.c	69	54	48	30	-	3.5	rs	sleet, i.e., rain and snow together.			
Cranwell (Lines) ...	c.p.c	g.p	c.b.c	b.c.c	69	55	-	1	Trace	4.1	s	snow, t thunder.			
Felixstowe ...	c.p.c	b.c	b.c	b.c	71	58	-	-	-	-	u	ugly, threatening sky.			
Shoeburyness ...	c.p.c	b.c	b.c	c.o	72	56	52	-	-	7.7	v	unusual visibility.			
Benson ...	b.c.c	Rt b.c	c.o	c.o	65	56	54	1	-	-	w	dew, x hoar frost.			
S. Farnborough ...	o.c	o.c	o	R. r.v	65	55	52	-	2	3.6	y	dry air; humidity less than 60 per cent.			
London (Kew Obs.) ...	o.c	o.c	o	o.c	68	58	52	0.3	-	3.4	z	dust haze; the turbid atmosphere of dry weather.			
Croydon ...	c.o	c.o	c.o	c.o	62	56	-	-	-	-					

SYMBOLS—

Aurora ☆ Solar halo

Rims / Lunar halo

Glazed frost ~ Solar corona

Glazed roads & Lunar corona

Capital letters indicate intensity, and repetition of letters continuity, thus:—

R = heavy rain.

cc = continuous moderate rain.

i.e. = contiguous light rain.

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp.	Min. Temp.	Min. or Crazy.	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.	24 h. G.M.T.					
	24 HOURS ENDED IN G.M.T.								YESTERDAY.				TODAY.		
	Vertical Component of Solar Radiation per Square Centimetre during yesterday.														
Greenwich (Royal Observatory)	o.c	o.c	o.c	70	55	50	-	5.1	68	70	Total 1223 Joules. Milliwatts. Average Rate. 20.6 Maximum Rate. 89	3rd 24th July 1920.			
City (Bunhill Row) ...	*	*	*	67	58	52	-	4.4	67	68		Stations.	Sunrise.	Noon.	Sunset.
Westminster (St. James's Park)	*	*	*	67	58	52	-	3.5	67	68		G.M.T.	G.M.T.	G.M.T.	
Admiralty Arch)	c24	o24, c24	o24	67	58	*	-	3.5	80	77		Yarmouth ...	337	11.57	4.17
Camden Sq. (British Rainfall)	c.o.c	o.u.o	*	72	58	54	Trace	*	63	69		Greenwich	338	11.57	4.16
Kensington Palace ...	c.o.c	c	*	68	58	54	-	*	73 (18h)	74	Wick	350	12.4	3.18	
Hampstead Observatory ...	*	*	*	66	56	*	Trace	5.1	*	75	Valencia ...	351	12.4	3.17	

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

Exposure from 3rd 21.30 m.

to 3rd 22.30 m.

Stars.	Duration of Exposure.		Duration of Record.		
Polaris	h.	m.	h.	m.	%
δ Ursae	5.	0	0	5	18
Minoris	5.	0	0	3	10

NOTES ON THE WEATHER OF YESTERDAY.

Thundery conditions developed over Southern Scotland, Northern England and the Midlands and rainfall was locally heavy (32mm at Leith and 30mm at Howden). Sunshine was most abundant in the Hebrides, where 14 to 15 hours were enjoyed, and the East Anglian Coast. Temperature rose to a little above 70° at some stations in the South-East and East but the day was distinctly cool in the West and North, the thermometer failing to reach 60° at many stations.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 21,409 Sunday, 4th JULY, 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 10, 11, 12, 13 AND 14.																													
STATIONS.	BAROM.	Change	WIND.	Weather.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.	BAROM.	Change	WIND.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.				
	M.S.L.	in 3 hours.	Dir.		Force 0-12.				°F.	Feet.	Form.	Am.		Form.	Am.	M.S.L.					in 3 hours.	Dir.	Force 0-12.	°F.		Feet.	Form.	Am.	Form.	Am.
13H. G.M.T. 3rd																													
Renfrew...	1016.8	+2	NE	4	0	60	65	8	1250	St. Cu	10	-	-	1019.3	+2	NE	3	0	60	65	8	3000	St. Cu	10	-	-			
Esdailemuir...	1014.9	+3	NE	5	c	59	65	7	3000	Cu	5	A. Cu	2	1017.6	+3	NNE	6	0	59	75	8	-	St. Cu	7	A. Cu	1			
Valencia (Cahire'n)	1012.0	+3	NW	5	bc	57	65	8	3000	Cu	4	-	-	1013.8	+4	NW	5	0	57	65	8	3000	F. Cu	1	-	-			
Baldonnel...	1017.4	+2	N	3	0	59	75	6	2000	St.	10	-	-	1019.3	+3	N	4	0	60	65	8	3000	St. Cu	5	A. Cu	2			
Ross on Wye...	1009.6	-1	NNE	1	omf	60	85	7	2000	Nb	8	A. Cu	1	1012.2	+3	N	1	0	54	97	6	750	Nb	9	A. St	1			
Didsbury...	1011.6	+1	NE	3	or. 3f	57	85	4	1250	Nb	10	-	-	1013.5	+3	N	4	0	56	85	4	2000	St. Cu	10	-	-			
Falmouth...	1014.4	+1	NW	4	or. 2f	58	85	4	-	Nb	10	-	-	1015.3	+2	NW	7	0	58	85	5	-	Nb	10	-	-			
Calshot (Hants)...	1010.4	+1	SW	2	0	59	85	8	750	CuN	10	-	-	1011.1	0	-	0	0	60	85	7	750	CuN	5	-	-			
Lymington (Folkestone)...	1011.7	+1	SE	4	bc	62	85	8	3000	Cu	4	Cu	2	1011.7	0	SE	2	0	61	75	8	3000	Cu	1	C. St	1			
14H. G.M.T. OF 3rd																													
Aberdeen...	1017.9	+4	N	4	0	58	75	8	-	CuN	9	-	-	1020.2	+2	N	4	0	54	65	8	-	Cu	4	-	-			
Howden...	1011.5	+1	NNE	4	0.1f	57	92	5	2000	St.	10	-	-	1012.8	+2	NE	3	0	56	97	5	750	Nb	10	-	-			
Cranwell (Lincs)...	1010.8	0	N	3	or. 3f	56	97	4	1500	CuN	10	-	-	1011.7	+1	NNE	3	0	59	97	5	1250	Nb	9	-	-			
Felixstowe...	1012.0	0	S	4	c	66	75	7	2000	F. Cu	3	A. St	6	1012.4	0	SE	3	0	63	75	8	2000	F. Cu	1	F. Cu	1			
Shoeburyness...	1011.0	0	SW	2	bc	63	85	7	4200	St. Cu	2	A. Cu	2	1011.6	0	SE	2	0	66	85	8	-	-	A. Cu	2	-			
Benson...	1009.4	+1	SE	1	tr.	57	92	7	-	Nb	10	-	-	1010.9	+1	W	2	0	61	85	6	-	Cu	5	-	-			
S. Farnborough...	1009.5	0	SW	4	om	63	75	5	1250	Nb	10	-	-	1011.0	+2	NW	3	0	54	85	7	1250	Nb	10	-	-			
London (Kew Obs.)...	1010.0	-1	S	3	bcy	67	85	8	3000	CuN	5	A. St	1	1010.9	+1	SW	2	0	62	75	8	2000	CuN	4	A. St	4			
Croydon...	1010.6	0	SW	3	c	64	75	8	3000	St. Cu	6	A. Cu	2	1011.3	0	SW	3	0	61	75	8	2000	Cu	6	A. Cu	2			
1H. G.M.T. OF 4th																													
Renfrew...	1019.8	+1	NNE	0	bc	47	85	6	-	St. Cu	4	A. Cu	2	1023.1	+2	-	0	0	58	75	8	-	-	A. Cu	3	-			
Esdailemuir...	1025.1	0	NW	4	bc	51	-	-	-	-	-	-	-	1021.9	+3	NNE	5	0	47	75	8	3000	St. Cu	5	A. Cu	2			
Valencia (Cahire'n)	1025.1	0	NW	4	bc	51	-	-	-	-	-	-	-	1025.8	0	N	2	0	55	75	9	-	-	A. Cu	2	-			
Baldonnel...	1017.4	+2	N	3	0	59	75	6	2000	St.	10	-	-	1019.3	+3	N	4	0	60	65	8	3000	St. Cu	5	A. Cu	2			
Ross on Wye...	1009.6	-1	NNE	1	omf	60	85	7	2000	Nb	8	A. Cu	1	1012.2	+3	N	1	0	54	97	6	750	Nb	9	A. St	1			
Didsbury...	1011.6	+1	NE	3	or. 3f	57	85	4	1250	Nb	10	-	-	1013.5	+3	N	4	0	56	85	4	2000	St. Cu	10	-	-			
Falmouth...	1014.4	+1	NW	4	or. 2f	58	85	4	-	Nb	10	-	-	1015.3	+2	NW	7	0	58	85	5	-	Nb	10	-	-			
Calshot (Hants)...	1010.4	+1	SW	2	0	59	85	8	750	CuN	10	-	-	1011.1	0	-	0	0	60	85	7	750	CuN	5	-	-			
Lymington (Folkestone)...	1011.7	+1	SE	4	bc	62	85	8	3000	Cu	4	Cu	2	1011.7	0	SE	2	0	61	75	8	3000	Cu	1	C. St	1			
Aberdeen...	1017.9	+4	N	4	0	58	75	8	-	CuN	9	-	-	1020.2	+2	N	4	0	54	65	8	-	Cu	4	-	-			
Howden...	1011.5	+1	NNE	4	0.1f	57	92	5	2000	St.	10	-	-	1012.8	+2	NE	3	0	56	97	5	750	Nb	10	-	-			
Cranwell (Lincs)...	1010.8	0	N	3	or. 3f	56	97	4	1500	CuN	10	-	-	1011.7	+1	NNE	3	0	59	97	5	1250	Nb	9	-	-			
Felixstowe...	1012.0	0	S	4	c	66	75	7	2000	F. Cu	3	A. St	6	1012.4	0	SE	3	0	63	75	8	2000	F. Cu	1	F. Cu	1			
Shoeburyness...	1011.0	0	SW	2	bc	63	85	7	4200	St. Cu	2	A. Cu	2	1011.6	0	SE	2	0	66	85	8	-	-	A. Cu	2	-			
Benson...	1009.4	+1	SE	1	tr.	57	92	7	-	Nb	10	-	-	1010.9	+1	W	2	0	61	85	6	-	Cu	5	-	-			
S. Farnborough...	1009.5	0	SW	4	om	63	75	5	1250	Nb	10	-	-	1011.0	+2	NW	3	0	54	85	7	1250	Nb	10	-	-			
London (Kew Obs.)...	1010.0	-1	S	3	bcy	67	85	8	3000	CuN	5	A. St	1	1010.9	+1	SW	2	0	62	75	8	2000	CuN	4	A. St	4			
Croydon...	1010.6	0	SW	3	c	64	75	8	3000	St. Cu	6	A. Cu	2	1011.3	0	SW	3	0	61	75	8	2000	Cu	6	A. Cu	2			
7H. G.M.T. OF 4th																													
Renfrew...	1019.8	+1	NNE	0	bc	47	85	6	-	St. Cu	4	A. Cu	2	1023.1	+2	-	0	0	58	75	8	-	-	A. Cu	3	-			
Esdailemuir...	1025.1	0	NW	4	bc	51	-	-	-	-	-	-	-	1021.9	+3	NNE	5	0	47	75	8	3000	St. Cu	5	A. Cu	2			
Valencia (Cahire'n)	1025.1	0	NW	4	bc	51	-	-	-	-	-	-	-	1025.8	0	N	2	0	55	75	9	-	-	A. Cu	2	-			
Baldonnel...	1017.4	+2	N	3	0	59	75	6	2000	St.	10	-	-	1019.3	+3	N	4	0	60	65	8	3000	St. Cu	5	A. Cu	2			
Ross on Wye...	1009.6	-1	NNE	1	omf	60	85	7	2000	Nb	8	A. Cu	1	1012.2	+3	N	1	0	54	97	6	750	Nb	9	A. St	1			
Didsbury...	1011.6	+1	NE	3	or. 3f	57	85	4	1250	Nb	10	-	-	1013.5	+3	N	4	0	56	85	4	2000	St. Cu	10	-	-			
Falmouth...	1014.4	+1	NW	4	or. 2f	58	85	4	-	Nb	10	-	-	1015.3	+2	NW	7	0	58	85	5	-	Nb	10	-	-			
Calshot (Hants)...	1010.4	+1	SW	2	0	59	85	8	750	CuN	10	-	-	1011.1	0	-	0	0	60	85	7	750	CuN	5	-	-			
Lymington (Folkestone)...	1011.7	+1	SE	4	bc	62	85	8	3000	Cu	4	Cu	2	1011.7	0	SE	2	0	61	75	8	3000	Cu	1	C. St	1			
Aberdeen...	1017.9	+4	N	4	0	58	75	8	-	CuN	9	-	-	1020.2	+2	N	4	0	54	65	8	-	Cu	4	-	-			
Howden...	1011.5	+1	NNE	4	0.1f	57	92	5	2000	St.	10	-	-	1012.8	+2	NE	3	0	56	97	5	750	Nb	10	-	-			
Cranwell (Lincs)...	1010.8	0	N	3	or. 3f	56	97	4	1500	CuN	10	-	-	1011.7	+1	NNE	3	0	59	97	5	1250	Nb	9	-	-			
Felixstowe...	1012.0	0	S	4	c	66	75	7	2000	F. Cu	3	A. St	6	1012.4	0	SE	3	0	63	75	8	2000	F. Cu	1	F. Cu	1			
Shoeburyness...	1011.0	0	SW	2	bc	63	85	7	4200	St. Cu	2	A. Cu	2	1011.6	0	SE	2	0	66	85	8	-	-	A. Cu	2	-			
Benson...	1009.4	+1	SE	1	tr.	57	92	7	-	Nb	10	-	-	1010.9	+1	W	2	0	61	85	6	-	Cu	5	-	-			
S. Farnborough...	1009.5	0	SW	4	om	63	75	5	1250	Nb	10	-	-	1011.0	+2	NW	3	0	54	85	7	1250	Nb	10	-	-			
London (Kew Obs.)...	1010.0	-1	S	3	bcy	67	85	8	3000	CuN	5	A. St	1	1010.9	+1	SW	2	0	62	75	8	2000	CuN	4	A. St	4			
Croydon...	1010.6	0	SW	3	c	64	75	8	3000	St. Cu	6	A. Cu	2	1011.3	0	SW	3	0	61	75	8	2000	Cu	6	A. Cu	2			
STATIONS CONTRIBUTING REPORTS AT 7H. AND 14H.																													
STATIONS.	BAROM.	TEMP.	WIND.	Weather.	BAROMETER.		TEMPERATURE.		WIND.	Dir. of Upper Cloud.	Weather.	Sea.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.										
	M.S.L.	°F.	Dir.		Force 0-12.	M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.					Dir.	Force 0-12.	Max. °F.	Min. °F.	Morning.		Afternoon.	Night.								
14H. G.M.T. OF 3rd																				7H. G.M.T. OF 4th					24 HOURS ENDED 7H. 4th				3rd
Lerwick...	1021.1	52	N	4	b	+1	50	-5	N	4	-	b	2	-	56	43	bc	bc	b	-									
Stornoway...	1024.1	55	N	4	b	0	53	+1	-	0	-	b	0	-	59	41	b bc	b bc	b bc	13.7									
Castlebay (Barrat)...	1023.4	56	N	4	b	0	54	0	-	0	-	b	1	-	58	48	b bc	b bc	b	13.4									
Malin Head...	1021.2	55	NW	3	bcq	0	54	+2	N	2	-	bc	2	-	55	51	bcq	bcq	bc	12.9									
Blackod Point...	1023.5	56	N	4	bc	-2	54	0	-	0	-	bc	1	-</															

* Information for these columns not usually received. † The barometric change is expressed in half millibars. § For code see page 3.

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 4.7.1920.

Temperature reported from Coastal and Cross Channel Steamers.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number.	Date	Time G.M.T.	Sea °F	Air °F
1. S.E. England	Fair to dull.	Fair.	Smooth.	4	3 rd	0300	54	56
2. E. England	Dull to cloudy, local fog.	Good.	Smooth.	3	3 rd	0925	52	54
3. E. Midlands	Dull; local rain.	Indiff.	-	1	3 rd	1100	56	56
4. W. Midlands	Dull.	V.Good.	-	6	3 rd	1520	58	64
5. S.W. England	Cloudy, squally in parts	Indiff.	Moderate	2	4 th	0110	54	55
6. South Wales	Dull, squally.	V.Good.	Moderate	8	4 th	0400	60	59
7. North Wales	Dull; some drizzle.	Poor.	Moderate					
8. N.W. England	Dull to cloudy.	Indiff.	Slight.					
9. N. Midlands	Dull.	Indiff.	-					
10. N.E. England	Dull, local drizzle; squalls on coast.	Indiff.	R. Rough					
11. E. Scotland	Fair to cloudy.	V.Good.	Slight.					
12. S.W. Scotland	Cloudy.	V.Good.	Smooth.					
13. Isle of Man	Fair, misty.	Indiff.	Smooth.					
14. N. & N.W. Scotland	Fair.	Good.	V. Smooth					
15. Hebrides	Fine.	Good.	V. Smooth.					
16. Orkneys and Shetlands	Fine.	Good.	Smooth.					
17. N.W. Ireland	Fair.	Good.	V. Smooth					
18. N.E. Ireland	Fair, local mist.	Good.	Smooth.					
19. S.E. Ireland	Fine to cloudy.	V.Good.	Smooth.					
20. S.W. Ireland	Fine to cloudy.	V.Good.	Slight.					

Chart of Position Numbers.

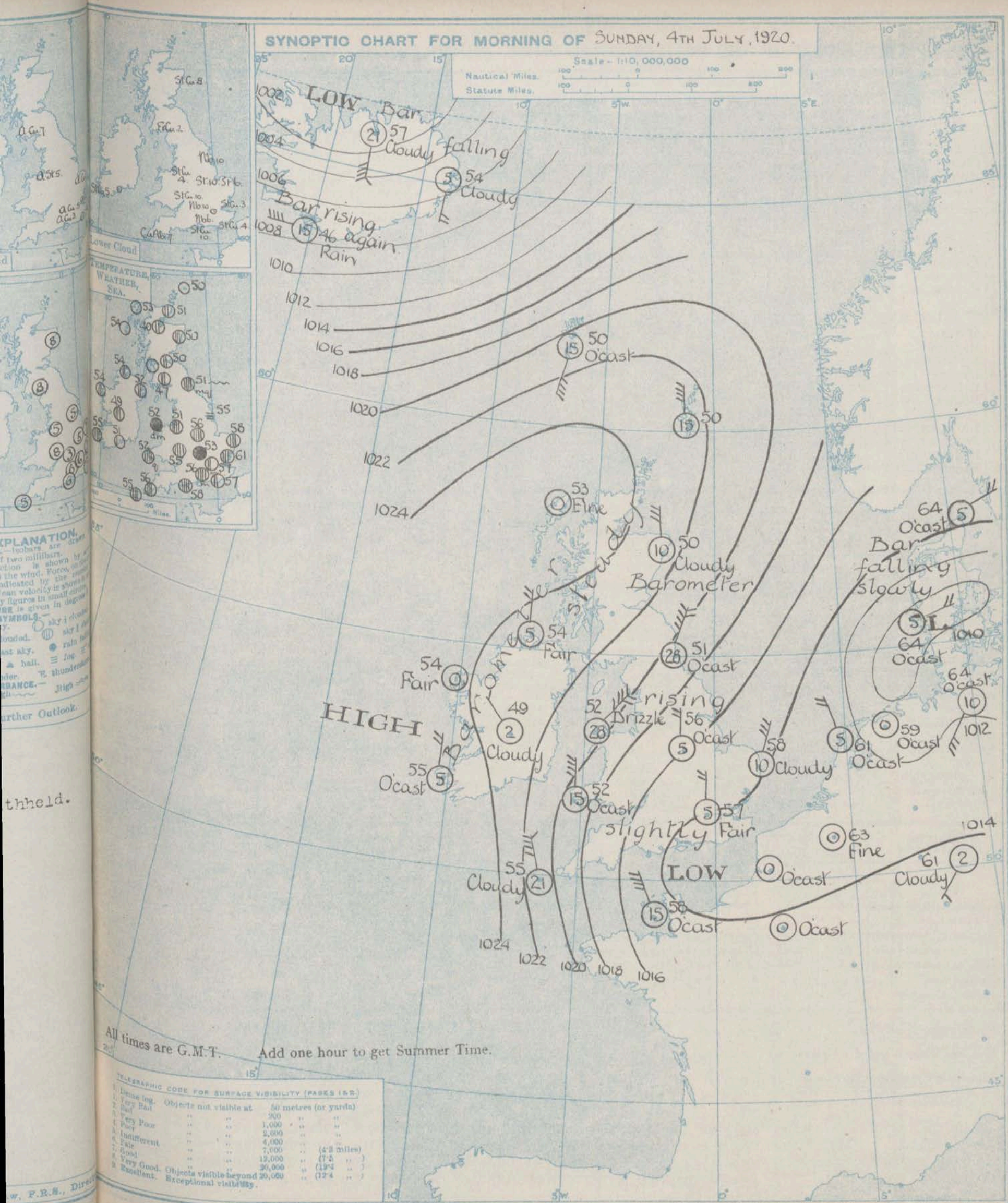
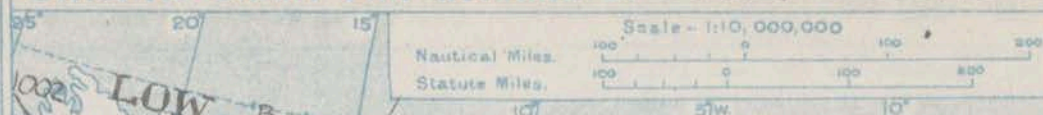
GENERAL INFERENCE from observations received up to 9h. G.M.T.

The depression of the past few days is now over the Straits of Dover region and is still becoming less deep. Other small depressions have developed over Denmark and North-West Germany. Northerly winds, with a temperature below the normal, and variable but improving weather, seem probable generally.

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of two millibars.
WIND.—Direction is shown by the arrow pointing in the direction the wind is blowing from. Force, on the Beaufort scale, is indicated by the number of flags. Mean velocity is shown in feet per hour by figures in small circles.
TEMPERATURE.—Temperature is given in degrees Fahrenheit.
WEATHER SYMBOLS.
 ○ clear sky. ○ sky & clouds. ○ overcast sky. * snow. △ hail. ≡ fog. T thunder. F thunderstorm.
SEA DISTURBANCE.—Rough. High.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 4th July, 1920.	Further Outlook.
1. S.E. England	Wind mainly North, light or moderate; variable or cloudy sky; some rain or showers locally; visibility fair to good; cool for time of year.	Withheld.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales		
7. North Wales		
8. N.W. England	Wind North to North-West, light or moderate; mainly fair; visibility fair or good; very cool.	
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	Wind Northerly to variable, light or moderate; mainly fair but local showers; visibility good or fair; 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 SUNDAY, 4TH JULY, 1920.



All times are G.M.T. Add one hour to get Summer Time.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)			
Time log.	Objects not visible at	50 metres (or yards)	
1. Very Bad	" "	200	" "
2. Bad	" "	1,000	" "
3. Very Poor	" "	2,000	" "
4. Poor	" "	4,000	" "
5. Indifferent	" "	7,000	" (4.3 miles)
6. Fair	" "	12,000	" "
7. Good	" "	30,000	" (17.4 "
8. Very Good.	Objects visible beyond	20,000	" (12.4 "
9. Excellent.	Exceptional visibility.		

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 186.

Sunday,
4th July 1920

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-0h.	Day, 0h-17h.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night, 17h-0h.	Day, 0h-17h.	to 17h.	Sunrise to Sunset.
Scotland.									England, N.W.								
Oban ...	c	bcc	65	47	-	-	67	?	Douglas (I.O.M.)	-	-	60	52	7	-	0.1	56
Banff ...	o	cbe	56	52	0.1	-	1.9	0.0	Blackpool ...	oc	o	60	53	-	-	0.1	54
Montrose ...	oc	bc	60	52	2	-	2.3	0.0	Southport ...	o	o	60	55	-	-	0.0	44
St. Andrews ...																	
England, N.E.									Midlands.								
Harrogate ...	o	od	52	51	1.7	-	0.0	1.4	Buxton ...	bccm	orc	54	51	0.4	1	0.0	2.4
Scarborough ...	o	o	62	54	1	-	0.0	4.9	Leamington Spa ...	-	r	63	54	-	17	0.6	3.9
Skewness ...									Malvern ...	co	flr	62	54	2	17	0.4	3.7
England, E.									Wales.								
Lowestoft ...	og	bc	65	59	-	-	6.4	10.1	Bath ...	ocp	polr	64	52	0.3	6	0.5	1.2
Felixstowe ...	oc	bc	74	55	-	-	7.0	6.5	Rhyl ...								
Southend-on-Sea ...									Colwyn Bay ...								
England, S.E.									Llandudno ...	rm	o	56	53	4	3	0.0	1.8
Tunbridge Wells ...	oc	bcb	67	53	-	-	5.1	4.9	Aberystwyth ...	oco	roc	59	55	-	3	0.0	0.0
Margate ...	c	b	66	53	-	-	5.4	8.2	Swansea ...								
Ramsgate ...			64	53	-	-	5.7	9.0	Weymouth ...	o	ortpo	62	53	?	?	0.0	4.8
Folkestone ...		abc	65	55	-	-	5.4	8.1	Teignmouth ...								
Hastings ...	ocbcb	bcc	64	56	-	-	6.2	6.9	Torquay ...	od or	or	59	55	-	1	0.0	5.4
Eastbourne ...	cbe	bc	65	56	-	-	7.1	7.9	Paignton ...	og	cpg	60	54	-	1	0.4	5.8
Brighton ...									Penzance ...	oc	bcc	65	55	0.3	0.1	1.9	3.6
Worthing ...	cbe	bcc	66	57	-	-	4.8	6.8	Newquay ...								
Littlehampton ...	bc	bco	65	57	-	-	5.5	5.5	Bude ...	od o	orog	57	53	2.4	1	0.0	4.7
Portsmouth (S. Sea) ...			60	57	-	3	0.0	2.2	Ilfracombe ...	or	or	57	55	3	7	0.0	6.9
Bournemouth ...			60	55	3	14	0.3	3.8	Weston-s-Mare ...								
Ventnor (I. of W.) ...			62	55	-	1	0.0	2.7	Tenby (Wales) ...	op	ocp	56	52	1	2	0.0	5.8

SUMMARY FOR LAST 24 HOURS.

STATIONS.	WEATHER.				TEMP.		RAINFALL.		Sun.
	7h-13h.	13h-18h.	18h-24h.	24h.	Max. °F.	Min. °F.	Day, 7h-18h.	Night, 18h-7h.	
Renfrew ...	o	c.o	bw	?	40	30	mm.	mm.	1.4
Eskdalemuir ...	o.c	c.o	bcc	59	45	43	-	-	5.0
Valencia (Cahirciveen) ...	bcc	bcc	bcc	59	50	44	-	-	13.8
Baldonnel ...	oif	oif	oif	-	-	-	-	-	-
Ross on Wye ...	g.r.p	g.r.p	c.ovr	63	52	53	?	?	0.4
Didsbury ...	oif	oif	oif	58	53	48	1	11	0.4
Falmouth ...	oif	oif	oif	59	53	52	2	1	0.8
Calshot (Hants) ...	oif	oif	oif	61	56	50	3	3	0.4
Lymington (Folkestone) ...	bcc	bcc	bcc	62	48	40	-	-	7.4
Aberdeen ...	oif	oif	oif	57	44	39	-	-	5.2
Howden ...	oif	oif	oif	59	52	52	1	9	-
Cranwell (Lincoln) ...	oif	oif	oif	59	53	50	4	1	0.4
Felixstowe ...	oif	oif	oif	-	-	-	-	-	-
Shoeburyness ...	c.bcc	bcc	bcc	73	53	42	-	-	8.2
Benson ...	bcc	bcc	bcc	61	52	53	2	3	-
S. Farnborough ...	oif	oif	oif	66	54	50	3	2	0.4
London (Kew Obs.) ...	c.o	bcc	bcc	69	53	43	-	-	2.5
Croydon ...	oif	oif	oif	61	47	40	-	-	-

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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
t, r, = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

Limits of Velocity at about 30 feet above ground.

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	1.6-2.8
3	8-12	2.9-3.4
4	13-18	3.5-5.0
5	19-24	5.1-6.7
6	25-31	6.8-8.3
7	32-39	8.4-10.7
8	40-46	10.8-12.7
9	47-54	12.8-15.0
10	55-63	15.1-17.5
11	64-75	17.6-20.8
12	Above 75	20.9 or above

SYMBOLS—

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

LONDON OBSERVATIONS.

	24 HOURS ended 31 G.M.T.							YESTERDAY		TODAY	
Greenwich (Royal Observatory)	op	c.o	bc.c	72	48	40	-	4.4	57	70	
City (Bunhill Row)	"	"	"	"	"	"	"	"	"	"	"
Westminster (St. James's Park)	"	"	"	69	52	45	-	"	54	67	
.. (Admiralty Arch)	oz	c.b.c	b.c.c	69	55	"	-	3.1	65	78	
Camden Sq. (British Rainfall)	o.e	c.b.c	"	73	51	46	-	"	63	60	
Kensington Palace	bc	bc	"	69	52	46	-	"	69 (18h)	70	
Hampstead Observatory ...	"	"	"	"	"	"	"	"	"	"	"

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	YESTERDAY.		TODAY.	
	15h.	9h.	15h.	9h.
Total	67	78	67	60
Average Rate.	67 (18h)	70		
Maximum Rate.				

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

Stations.	4th & 5th July 1920.		
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5.38	11.57	8.46
Greenwich	5.31	12.4	8.47
Wick	3.45	12.16	9.17
Valencia	4.29	12.45	9.1

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minors at Greenwich Observatory.

Exposure from.....h.....m.
to.....h.....m.

Star.	Duration of Exposure.	Duration of Record.	%
Polaris	h. m.	h. m.	%
8 Ursae			
Minors			

NOTES ON THE WEATHER OF YESTERDAY.

Temperature remained below 60° over a wide area, but rose to 70° or above locally in the South-East of England. The minima of the night were lower than of late; at Nairn the reading was 37°. Rain fell in many parts of England, and thunderstorms occurred in places; at Nottingham the rain measurement was 2.4 in. Bright sunshine records were high in the extreme North-West of the Kingdom and fair in the North and East, but elsewhere they were low; at many stations the day was sunless.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21,710

MONDAY, 5TH JULY, 1920.

LONDON:

1920.

HOURS ENDED 7.5^{PM}TEMPERATURE
Max. Min.
°F. °F.

19	70
86	66
82	63
99	79
80	66
79	70
90	75
84	75
91	57
86	72
91	68

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

STATIONS	BAROM. at M.S.L. mb.	Change in 3 hours	WIND. Direc. Force 0-12	Weather	TEMP. °F.	Humidity. %	Visibility 0-9.	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. mb.	Change in 3 hours	WIND. Direc. Force 0-12	Weather	TEMP. °F.	Humidity. %	Visibility 0-9.	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 4 ^{PM}																											
Renfrew...	1012.2	-1	NE	1	bc	55	75	8	-	-	Ci	4	3	1012.2	-1	E	3	0	55	75	8	-	-	A.St	10	4	
Eskdalemuir ...	1012.1	-1	NE	4	bc	55	65	8	-	-	Ci	8	3	1020.0	-1	NNE	3	0	55	65	8	-	-	A.St	10	4	
Valencia (Cahire'n)	1012.9	-1	NW	3	0	56	75	8	4,200	St.Cu	7	A.St	3	1023.3	-2	NW	1	0	56	75	8	4,200	St.Cu	5	A.St	4	3
Baldonnel	1022.0	-1	NNE	2	bc	62	85	8	5,700	Fe.Cu	2	A.St	1	1021.4	+2	ESE	3	0	58	65	8	5,700	Fe.Cu	3	A.St	6	0
Ross on Wye	1016.3	0	NE	3	Ci	63	75	5	4,200	Cu	6	Ci	1	1017.9	+3	NE	4	0	56	85	4	1,250	St	10	-	-	5
Didsbury	1019.0	+1	N	4	0	56	75	4	3,000	St.Cu	10	-	-	1018.9	0	-	0	52	92	3	1,250	Nb	10	-	-	-	
Falmouth	1010.7	+2	NNW	6	0	58	85	5	-	St.Cu	10	-	-	1018.4	0	N	6	0	57	85	5	-	St.Cu	7	-	-	-
Calshot (Hants)...	1015.3	+1	ENE	7	0	60	85	7	1,250	St.Cu	10	-	-	1015.0	0	NW	1	0	60	85	7	3,000	St.Cu	10	-	-	1
Lymington (Folkestone)	1013.9	+1	E	5	0	61	75	8	2,000	St.Cu	8	A.St	2	1013.9	0	ENE	2	0	60	85	5	2,000	St.Cu	1	A.St	9	-
Aberdeen	1022.5	-2	NNE	4	bc	59	55	8	-	Cu	3	Ci	1	1020.9	-2	NNE	3	bc	54	65	8	-	Cu	1	Ci	5	3
Howden	1018.3	0	NNE	5	od	54	92	7	4,200	St.Cu	10	-	-	1017.2	-2	NNE	4	0	50	75	5	1,250	Nb	10	-	-	-
Cranwell (Lincs)	1017.4	0	N	5	0	57	92	5	1,250	Nb	10	-	-	1017.4	-1	NNW	4	0	52	92	7	1,250	Nb	10	-	-	-
Felixstowe	1014.3	0	E	4	bc	60	65	7	4,200	Cu	3	Ci	2	1014.5	0	NE	1	0	59	92	6	-	Nb	10	-	-	-
Shoeburyness...	1015.1	0	NNE	4	C	65	85	6	-	Cu	5	-	-	1015.9	+1	N	4	0	57	85	6	-	Nb	10	-	-	-
Benson	1015.0	+2	N	2	TLRM	56	97	5	750	Nb	10	-	-	1015.0	0	N	3	0	58	92	7	1,250	Nb	10	-	-	-
S. Farnborough	1014.4	0	SW	1	0	62	92	5	2,000	St.Cu	9	-	-	1015.1	+1	NNE	4	0	61	75	7	2,000	Cu	4	A.St	6	-
London (Kew Ob.)	1014.4	-1	ENE	1	Ci	65	75	6	-	Cu	6	A.St	1	1014.9	0	N	2	0	59	85	6	-	Cu	8	A.St	2	-
Croydon	1014.4	-1	ENE	1	Ci	65	75	6	-	Cu	6	A.St	1	1014.9	0	N	2	0	59	85	6	-	Cu	8	A.St	2	-
7H. G.M.T. OF 5 ^{PM}																											
Renfrew...	1017.3	-5	WSW	2	0	47	92	6	4,200	St.Cu	10	-	-	1016.4	-1	NEE	1	0	51	97	3	-	-	A.St	10	4	
Eskdalemuir ...	1018.2	-3	-	0	0	47	92	6	4,200	St.Cu	10	-	-	1014.7	-3	N	2	0	49	75	8	-	-	A.St	10	4	
Valencia (Cahire'n)	1020.0	-4	-	0	bc	53	-	-	-	-	-	-	-	1017.3	-3	-	0	55	85	8	4,500	St.Cu	10	-	-	2	
Baldonnel	1019.4	-2	-	0	C	48	75	6	3,000	St.Cu	6	A.St	2	1017.3	-3	-	0	55	85	8	4,500	St.Cu	10	-	-	-	
Ross on Wye	1014.0	-4	NNW	1	0	52	85	9	-	-	-	-	-	1014.0	-4	NNW	1	0	52	85	9	-	-	A.St	10	-	
Didsbury	1018.3	-1	N	2	0	54	92	5	-	Nb	10	-	-	1013.2	-1	NNW	2	0	50	85	3	3,000	St.Cu	10	-	-	-
Falmouth	1015.1	-2	N	3	0	54	92	7	1,250	St.Cu	9	-	-	1016.8	-1	NNW	4	0	55	85	7	-	-	A.St	10	-	
Calshot (Hants)...	1015.1	-2	N	3	0	54	92	7	1,250	St.Cu	9	-	-	1014.6	-1	NNW	3	0	54	85	5	2,000	St.Cu	10	-	-	2
Lymington (Folkestone)	1013.0	-1	NE	4	0	52	97	7	2,000	St.Cu	1	A.St	9	1011.9	0	NNW	2	0	50	92	7	4,200	St.Cu	6	A.St	4	-
Aberdeen	1015.4	-3	NW	3	0	49	92	7	-	Nb	3	A.St	6	1015.4	-3	NW	3	0	49	92	7	-	Nb	3	A.St	6	3
Howden	1013.8	-2	N	3	OR	49	97	5	750	Nb	10	-	-	1011.3	-2	N	4	0	49	92	5	1,250	St.Cu	10	-	-	-
Cranwell (Lincs)	1015.4	-3	NNW	4	od	48	97	4	750	Nb	10	-	-	1012.7	-3	NW	4	0	47	97	5	750	Nb	10	-	-	-
Felixstowe	1012.1	-1	N	3	0	50	97	4	750	Nb	10	-	-	1012.1	-1	N	3	0	50	97	4	750	Nb	10	-	-	2
Shoeburyness...	1012.4	-2	NW	1	0	52	85	7	2,000	St.Cu	7	A.St	3	1012.4	-2	NW	1	0	52	85	7	2,000	St.Cu	7	A.St	3	-
Benson	1012.4	-3	NW	2	0	50	85	4	-	St.Cu	7	A.St	3	1012.4	-3	NW	2	0	50	85	4	-	St.Cu	7	A.St	3	-
S. Farnborough	1013.0	-2	NNW	4	0	51	85	6	1,250	Nb	10	-	-	1013.0	-2	NNW	4	0	51	85	6	1,250	Nb	10	-	-	-
London (M.O. at 1h)	1012.7	-1	NNW	2	0	52	85	5	2,000	St.Cu	4	A.St	6	1012.7	-1	NNW	2	0	52	85	5	2,000	St.Cu	4	A.St	6	-
Croydon	1013.1	-2	NNW	2	0	50	97	4	750	St.Cu	10	-	-	1013.1	-2	NNW	2	0	50	97	4	750	St.Cu	10	-	-	-

STATIONS CONTRIBUTING REPORTS AT 7H. AND 13H.

STATIONS.	BAROM.	TEMP.		WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea.	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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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SUMMARY OF CONDITIONS AT 7 h.G.M.T. 5.7.1920.

Temperature reported from Coastal and Cross Channel Steamers.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
1. S.E. England	Dull, misty.	Indiff.	Smooth.	3	4 ^h	0925	53	54
2. E. England	Dull, drizzle.	"	"	6	4 ^h	1435	58	60
3. E. Midlands	Dull, drizzle.	"	"	9	5 ^h	0100	53	53
4. W. Midlands	Dull.	"	"	12	5 ^h	0300	51	53
5. S.W. England	Dull.	V. Poor	"					
6. South Wales	Dull.	Good	Slight.					
7. North Wales	Dull.	"	Smooth.					
8. N.W. England	Dull.	Fair	"					
9. N. Midlands	Dull.	"	V. Smooth.					
10. N.E. England	Dull, local drizzle.	Poor	"					
11. E. Scotland	Dull, gloomy, drizzle, gale.	"	Rough.					
12. S.W. Scotland	Dull, gloomy, showery.	Good	Smooth.					
13. Isle of Man	Rainy.	V. Good	V. Smooth.					
14. N. & N.W. Scotland	Dull.	Fair	"					
15. Hebrides	Dull, gloomy.	"	Smooth.					
16. Orkneys and Shetlands	Dull, rainy.	Poor	"					
17. N.W. Ireland	Fair.	Good	"					
18. N.E. Ireland	Foggy.	Poor	"					
19. S.E. Ireland	Dull.	Fair	V. Smooth.					
20. S.W. Ireland	Dull.	Good	"					
		V. Good	Smooth.					

Chart of Position Numbers.

Upper Cloud

Lower Cloud

EXPLANATION.

BAROMETER.—Isobars are intervals of two millibars.
WIND.—Direction is shown by flying with the wind. Force, in 0-12, is indicated by the number of feathers. Mean velocity is shown per hour by figures in small circles.
TEMPERATURE.—Temperature is given in degrees.
WEATHER SYMBOLS.—
○ clear sky. ○ sky 1 clouded. ○ sky 2 clouded. ○ sky 3 clouded. ○ overcast sky. ○ rain falling. * snow. ▲ hail. ≡ fog. T thunder. T thunder. SEA DISTURBANCE.— Rough. High.

GENERAL INFERENCE from observations received up to 9h. G.M.T.

The pressure distribution has assumed a very unsettled type, a depression lying over the North Sea and another spreading over our Islands from the Atlantic. Much cloud with occasional rain or drizzle and a low temperature is probable generally. Similar conditions are likely to continue for some days.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 5th July, 1920.
1. S.E. England	Wind between W. and N.W., light or moderate, stronger on N.E. Coast; overcast or very cloudy, occasional rain or drizzle, some mist, visibility poor or indifferent; very 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	Wind mainly between N.W. and N.E., light or moderate; much cloud, some rain and mist, visibility indifferent; very cool.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Wind between S.W. and N.W., light or moderate; cloudy or overcast, some rain or showers, visibility indifferent to fair; very cool.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook.

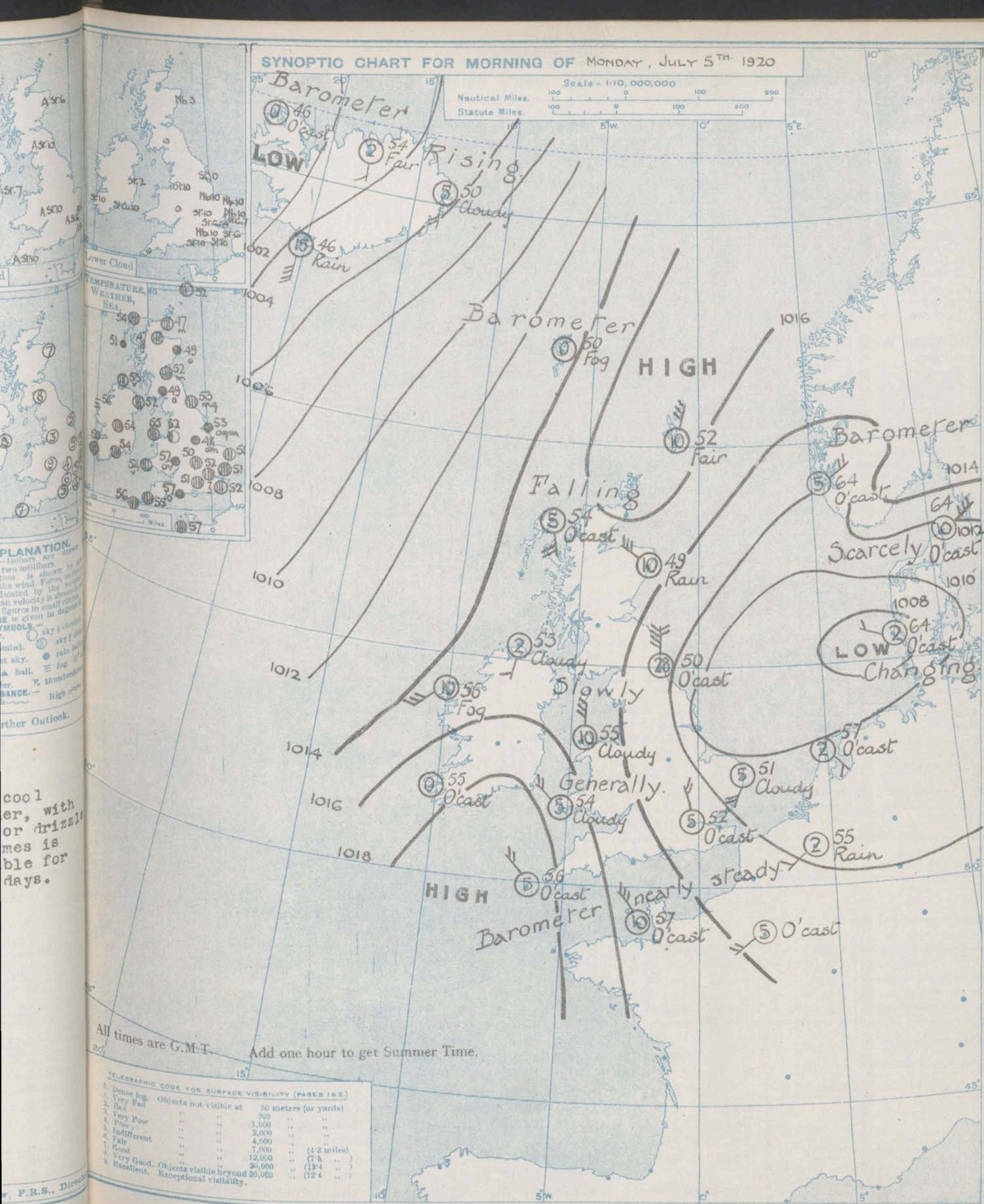
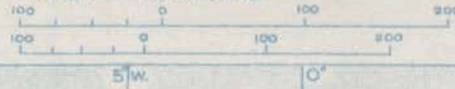
Very cool weather, with rain or drizzle at times is probable for some days.

All times are

TELEGRAPHIC CODE
1. Very Bad
2. Bad
3. Very Poor
4. Poor
5. Indifferent
6. Fair
7. Good
8. Very Good
9. Excellent

Barometer

Nautical Miles
Statute Miles.



All times are G.M.T.

Add one hour to get Summer Time.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)			
1	Dense fog	Objects not visible at	50 metres (or yards)
2	Very Bad	"	"
3	Bad	"	"
4	Very Poor	"	200 "
5	Poor	"	1,000 "
6	Indifferent	"	2,000 "
7	Fair	"	4,000 "
8	Good	"	7,000 "
9	Very Good	"	12,000 "
10	Excellent	Objects visible beyond	20,000 "
		Exceptional visibility.	"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 187.

Monday,
5th July 1920

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-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.
Scotland.									England, N.W.								
Oban									Douglas (L.O.M.)								
Banff	c. bc	b. bc	?	?	-	-	9.0	5.1	Blackpool	o.	c. o.	60	51	15	-	0.0	0.1
Montrose									Southport	o.	o.	58	50	17	0.3	0.0	0.0
St. Andrews																	
England, N.E.									Midlands.								
Harrogate	o. o.	o.	52	48	16	3	0.0	0.0	Buxton								
Scarborough	r	r	59	53	2	51	0.0	0.0	Leamington Spa								
Skegness									Malvern								
England, E.									Wales.								
Lowestoft	o. c.	c. o.	61	57	-	1	0.9	?	Bath	o.	c. bc. o.	66	53	1	1	2.2	0.5
Felixstowe	c	og	68	60	42	-	5.1	8.3	Rhyl	ch.	ch.	56	52	30	1	0.0	0.0
Southend-on-Sea	o. c. bc	b. o. o.	70	52	1	7	3.7	8.5	Colwyn Bay	*	*	54	52	29	2	0.0	?
England, S.E.									Llandudno	r	r	56	51	15	2	0.0	?
Tunbridge Wells	o. tl.	bc. c.	68	54	-	5	2.1	5.3	Aberystwyth								
Margate	ch.	bc. c.	64	55	-	-	2.8	5.9	Swansea								
Ramsgate	*	*	64	52	-	-	3.3	6.9	Weymouth	o.	c.	68	53	0.2	2	1.4	0.0
Folkestone	o	o. c.	67	53	-	-	2.5	7.1	Teignmouth								
Hastings	o. ul. r.	o.	64	53	-	8	0.2	7.2	Torquay	o. c. bc.	bc. o. o.	67	55	0.1	0.1	4.5	0.0
Eastbourne	o. ul. r.	r. tl. r.	66	53	-	3	1.4	9.3	Paignton	c. bc.	bc.	67	54	-	Trace	3.6	1.9
Brighton	o. ul. r.	o.	66	52	-	29	1.5	?	Penzance	o.	o. c.	60	55	-	4.4	2.5	1.0
Worthing	o.	l. r.	67	53	-	22	1.1	6.0	Newquay	o.	c.	58	54	-	-	1.0	?
Littlehampton									Bude	o.	c.	61	55	0.3	-	4.5	0.0
Portsmouth (S. thea)	*	*	66	55	9	2	0.3	0.5	Ilfracombe	o. c.	c. o.	61	55	4.2	-	2.0	0.0
Bournemouth	*	*	63	51	16	1	6.0	0.3	Weston-s-Mare	o. ch.	bc.	64	55	1	-	2.0	?
Ventnor (I. of W.)	*	*	64	58	1	12	1.4	0.0	Tenby (Wales)								

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sun.	
	7h-13h.	13h-18h.	Max. °F.	Min. °F.	Day. 7h-13h.	Night. 13h-18h.	Hours.	Hours.
Renfrew	b. bc. z.	bc. c. v. c.	69	47	44	-	12.4	
Eskdalemuir	bc. c.	c. o.	57	46	45	-	6.3	
Valencia (Cahirciveen)	c. o.	o.	53	52	-	-	1.9	
Baldonnel	b. bc.	o. t. bc. z.	52	-	-	-	-	
Ross on Wye	o. f. o.	c. bc. bc. o.	65	50	48	-	1.1	
Didsbury	o. p. o.	o. f. g. o. f. r.	58	48	45	-	1.1	
Falmouth	c. o.	o. f. y. bc. c. y.	59	53	52	-	2.7	
Calshot (Hants)	o. f. g. p. o. f. h.	o. f. p.	65	52	49	1	6	0.1
Lympne (Folkestone)	o. y.	q. o.	64	50	49	0.1	6	3.0
Aberdeen	bc. b. bc.	bc. c. o.	59	47	44	-	1	10.1
Howden	r. g. q.	r. g. q.	55	48	47	7	2	
Cranwell (Lincs)	o. r.	o. r.	61	47	*	Trace	2	0.5
Felixstowe	o. r.	o. r.	68	50	*	*	*	*
Shoeburyness	R. bc.	c. o. R. R.	69	51	50	4.5	4.5	
Benson	bc. c. r. r.	bc. c.	67	50	52	3	*	
S. Farnborough	o. r. r. r. f. e. c. o. p. o.	o. p. o.	65	49	49	25	0.4	1.3
London (Kew Obs.)	o. r. r. r. f. e. c. o. p. r. g. y.	o. f. p. d. o.	67	51	47	16	-	1.8
Croydon	c. o. f. R. g. y. f. e. c. o. p. r. g. y.	o. f. p. d. o.	66	50	*	22	Trace	*

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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
r.r. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

Limits of Velocity at about 30 feet above ground.

No.	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	1.5-2.5
3	8-12	2.5-3.5
4	13-18	3.5-5.0
5	19-24	5.0-6.7
6	25-31	6.7-8.3
7	32-38	8.3-10.0
8	39-46	10.0-12.8
9	47-54	12.8-15.0
10	55-63	15.0-17.5
11	64-75	17.5-20.8
12	Above 75	20.8 or above

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.											
Morning.		Weather.		Max. Temp.		Min. Temp.		Min. on Grass.		Rain-fall.		Sun-shine to Sunset.		Humidity %.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.							
		Afternoon.		Night.		° F.		° F.		min.		Hours.		15h. G.M.T.		9h. G.M.T.		Stations.					
24 HOURS ENDED 9h. G.M.T. 5 th July.										YESTERDAY.		TO-DAY.		5 th & 6 th July 1920.									
														Stations.									
Greenwich (Royal Observatory)										0	od. opt	od	71	49	49	3	3.9	57	94	Greenwich			
City (Bunhill Row)										*	*	*	*	*	*	*	4.1	5	8	Wick			
Westminster (St. James's Park)										*	*	*	71	51	46	2	4.2	63	93	Valencia			
" (Admiralty Arch)										02	c2. 02p	02p. 02	71	51	*	2	4.5	77	97	Yarmouth			
Camden Sq. (British Rainfall)										-	-	*	74	50	49	2	*	-	96	Greenwich			
Kensington Palace										0	od	*	70	50	49	2	*	76 (18h)	95	Wick			
Hampstead Observatory										*	*	*	65	48	*	8	2.7	*	98	Valencia			

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

Exposure from 4^h to 5^h m.

Stars.	Duration of Exposure.	Duration of Record.
Polaris	h. m.	h. m.
δ Ursae	-	-
Minoris	-	-

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to about 69° at several places in the S.E. of England, but remained below 65° over a large portion of the Kingdom and failed to reach 60° at many stations. The minima of the night were below 40° in the North of Scotland. Rain fell in most parts of England and thunderstorms occurred in the South East. The largest measurements were 25mm at South Farnborough, 22mm at Croydon, and 16mm in London. (Kew Obs.)

Bright sunshine was almost continuous in Ireland and some parts of Scotland, but in England the records were generally small; at a few stations the record was nil.

* Information for these columns not usually received.

LONDON:

1920.

HOURS ENDED 7H.

Rain-fall.

Multi-

meters.

Temp.

Max.

Min.

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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21, 41

TUESDAY, 6TH JULY 1920.

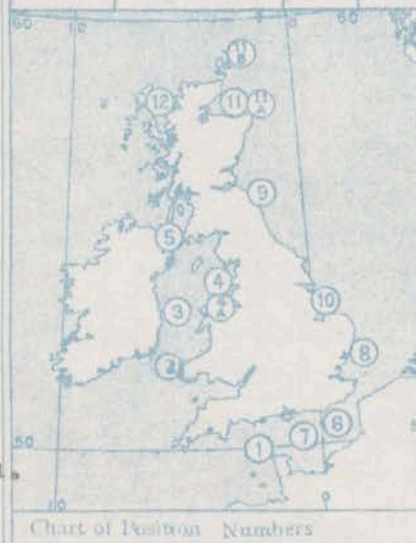
OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.

STATIONS	BAROM. at M.S.L.	1 Change in 3 hours	WIND, Dirce.	Force 0-12	Weather	TEMP. °F.	Humidity %	Visibility 0-9	Height of Low Cloud.	Low Cloud.	Upper Cloud	Sea	BAROM. at M.S.L.	2 Change in 3 hours	WIND.	Force 0-12	Weather	TEMP. °F.	Humidity %	Visibility 0-9	Height of Low Cloud.	Low Cloud.	Upper Cloud	Sea															
																									Form	Amt. 0-10	Form.	Amt. 0-10	0-9	Form	Amt. 0-10	Form.	Amt. 0-10	0-9					
																									Form	Amt. 0-10	Form.	Amt. 0-10	0-9	Form	Amt. 0-10	Form.	Amt. 0-10	0-9					
13H. G.M.T. 5 th																										18H. G.M.T. OF 5 th													
Renfrew...	1010.5	-4	W	1	01f	66	35	7	3	St	3	Co	6	4	1006.8	-4	-	0	0	65	55	8	6500	St	6	Ac	3	4											
Eskdalemuir	1010.3	-2	NE	2	0	55	65	7	-	St	3	ASr	7	4	1006.5	-5	-	0	0	54	55	7	-	-	ASr	10	-	4											
Valencia (Cahire)	1014.4	-2	WSW	1	01f	59	92	7	750	St	10	-	-	2	1013.2	-1	MW	4	do	55	97	6	750	St	10	-	-	3											
Baldonnel	1012.7	-4	W	2	0	65	55	7	5700	St	4	ASr	5	4	1008.9	-3	W	2	C	63	75	7	4200	St	4	Ac	3	4											
Ross on Wye	1011.5	-2	NW	1	01f	54	85	7	1250	Nb	10	-	-	4	1008.9	-3	W	2	01f	53	75	9	4200	MW	2	ASr	8	4											
Didsbury	1010.3	-2	WNW	4	01f	53	75	3	750	St	10	-	-	4	1007.5	-3	SW	2	01f	54	75	3	3000	St	10	-	-	4											
Falmouth	1014.1	-3	WNW	2	bc	67	65	8	-	Co	1	Co	3	4	1011.9	-2	SW	3	bc	61	75	8	-	St	6	-	-	4											
Calshot (Hants)	1012.2	-1	WNW	3	01f	52	85	5	720	Nb	10	-	-	2	1010.1	-1	WSW	2	od	53	92	6	750	St	5	ASr	5	2											
Lymington (Folkestone)	1010.6	-1	WNW	2	01f	51	97	4	1250	Nb	10	-	-	4	1009.4	-3	W	4	01f	49	92	6	1250	Nb	8	ASr	2	4											
Aberdeen	1011.1	-3	NW	3	0	54	75	8	-	Co	1	ASr	9	3	1007.2	-6	NW	3	0	53	75	8	-	-	ASr	10	3	3											
Howden	1008.4	-3	NNE	4	01f	52	92	7	750	St	10	-	-	4	1006.0	-1	N	3	01f	53	92	3	750	St	10	-	-	4											
Cranwell (Lincoln)	1009.0	-3	NW	4	01f	50	97	4	4500	Nb	10	-	-	4	1006.7	-2	WNW	3	01f	51	92	5	750	Nb	10	-	-	4											
Felixstowe	1010.3	-1	WSW	3	01f	52	97	4	4500	Nb	10	-	-	4	1009.3	-2	WSW	3	01f	52	92	5	4500	Nb	10	-	-	4											
Shoeburyness	1010.5	-1	SW	3	01f	52	95	6	1250	Nb	10	-	-	4	1009.0	-3	SW	2	01f	51	85	3	750	St	10	-	-	4											
Benson	1010.4	-2	WNW	2	01f	49	97	4	-	Nb	10	-	-	4	1008.6	-1	-	0	0	51	97	6	-	St	10	-	-	4											
S. Farnborough	1011.3	-1	WNW	2	01f	49	95	5	1250	Nb	10	-	-	4	1009.0	-3	W	3	01f	50	92	6	1250	Nb	10	-	-	4											
London (Kew Obs.)	1010.8	-2	W	1	odm	50	92	4	2000	Nb	8	ASr	2	4	1009.2	-3	W	2	od	51	92	5	2000	Nb	8	ASr	2	4											
Croydon	1011.2	0	W	2	01f	50	97	4	750	Nb	8	ASr	2	4	1009.1	-3	W	3	od	50	97	5	4500	Nb	10	-	-	4											
1H. G.M.T. OF 6 th																										7H. G.M.T. OF 6 th													
Renfrew...	1004.3	-3	-	0	0	49	92	6	-	-	-	ASr	10	4	1001.3	-0	WNW	3	01f	51	97	6	2000	St	10	5	ASr	4											
Eskdalemuir	1004.3	-3	-	0	0	49	92	6	-	-	-	ASr	10	4	1001.3	-0	WNW	3	01f	51	97	6	2000	St	10	5	ASr	4											
Valencia (Cahire)	1012.8	0	WNW	5	bc	52	x	x	x	x	x	x	x	4	1009.2	-1	WNW	4	0	54	75	8	2000	St	4	ASr	2	4											
Baldonnel	1012.8	0	WNW	5	bc	52	x	x	x	x	x	x	x	4	1009.2	-1	WNW	4	0	54	75	8	2000	St	4	ASr	2	4											
Ross on Wye	1004.3	-3	W	0	0	49	92	6	-	-	-	ASr	10	4	1001.3	-0	WNW	3	01f	51	97	6	2000	St	10	5	ASr	4											
Didsbury	1004.3	-3	W	0	0	49	92	6	-	-	-	ASr	10	4	1001.3	-0	WNW	3	01f	51	97	6	2000	St	10	5	ASr	4											
Falmouth	1008.3	-4	NW	2	01f	57	97	4	-	Nb	10	-	-	4	1004.1	-2	WSW	2	01f	55	97	6	1250	Nb	10	-	-	4											
Calshot (Hants)	1008.9	-3	W	3	0	56	85	8	2000	St	10	-	-	2	1002.9	-2	WSW	4	01f	53	97	4	750	Nb	10	-	-	4											
Lymington (Folkestone)	1007.1	-2	WSW	4	01f	48	97	7	2000	Nb	10	-	-	4	1007.1	+1	NW	4	01f	56	92	4	-	Nb	10	-	-	4											
Aberdeen	1003.2	-3	W	0	01f	50	92	5	3000	St	10	-	-	4	1006.0	-2	SSW	5	01f	57	85	6	750	St	10	-	-	4											
Howden	1003.2	-3	W	0	01f	50	92	5	3000	St	10	-	-	4	1007.3	-0	SW	4	01f	55	85	7	2000	Nb	4	ASr	6	4											
Cranwell (Lincoln)	1005.0	-2	WNW	3	01f	49	92	4	1250	Nb	10	-	-	4	1003.3	-1	W	0	01f	51	92	5	2000	Nb	10	-	-	4											
Felixstowe	1005.0	-2	WNW	3	01f	49	92	4	1250	Nb	10	-	-	4	1003.3	-1	W	0	01f	51	92	5	2000	Nb	10	-	-	4											
Shoeburyness	1005.0	-2	WNW	3	01f	49	92	4	1250	Nb	10	-	-	4	1006.2	+1	WSW	4	01f	55	97	5	1250	Fr	1	ASr	9	1											
Benson	1005.0	-2	WNW	3	01f	49	92	4	1250	Nb	10	-	-	4	1006.0	0	SW	3	0	56	75	6	2000	St	7	ASr	3	4											
S. Farnborough	1005.0	-2	WNW	3	01f	49	92	4	1250	Nb	10	-	-	4	1006.0	0	SW	3	0	56	75	6	2000	St	7	ASr	3	4											
London (Kew Obs.)	1004.5	-2	W	1	01f	49	92	4	1250	Nb	10	-	-	4	1004.0	-1	SSW	2	01f	54	92	5	-	Nb	10	-	-	4											
Croydon	1007.9	-3	W	2	01f	51	92	6	1250	St	10	-	-	4	1005.9	-1	SW	4	01f	56	85	7	1250	Nb	8	ASr	2	4											
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																																							
STATIONS	BAROM. at M.S.L.	TEMP. °F.	WIND, Dirce.	Force 0-12	Weather	BAROMETER, at M.S.L.	TEMPERATURE, °F.	WIND, Dirce.	Force 0-12	Upper Cloud.	Weather.	Sea 0-9	Rainfall mm.	TEMP.			WEATHER.			Sunshine Hours.																			
														Max. °F.	Min. °F.	Morning.	Afternoon.	Night.																					
18H. G.M.T. OF 5 th																				7H. G.M.T. OF 6 th										24 HOURS ENDED 7H. 6 th									
Lerwick	1009.7	54	ESE	1	C	1000.7	-4	54	+2	ESE	1	-	0.1	50	48	bc	bc	fr	0.2																				
Stornoway	1007.9	57	SW	1	op	1001.6	-3	50	-4	NNW	3	E	0	2	2	63	50	op	0.3																				
Castell Bay (Barra)	1009.2	54	NW	3	op	1003.1	-3	51	-	NNW	2	W	0	2	7	55	48	op	0.0																				
Malin Head	1008.3	54	W	2	0	1003.5	-0	53	0	W	3	W	0.1	57	51	CV	omr	cq	0.2																				
Blackod Point	1012.1	55	NW	1	om	1006.2	-4	55	-1	WNW	1	W	0.2	59	50	omd	omp	becm	-																				
Roche's Point	1011.2	57	S	1	omr	1009.2	0	54	0	NW	2	NW	0.1	62	52	0	cormg	r.oc	-																				
Birr Castle	1009.9	60	W	1	r	1007.4	-	51	-3	W	1	-	0.1	65	50	o.c	omr	o.c	0.5																				
Donagadee	1009.2	56	NW	2	CV	1004.5	-2	53	+1	NW	3	-	0.1	60	46	bc	bc	cmp	-																				
Liverpool (Bidston)	1007.5	54	NW	3	0	1002.8	0	53	+1	W	3	W	0.2	56	52	e.o	-	or	0.0																				
Holyhead	1008.5	58	WSW	4	bc g	1004.2	0	54	-1	NNW	5	-	0.2	61	52	c	bc	c.odv	4.5																				
Pembroke (St. Ann's Head)	1010.8	58	WSW	2	CV	1006.3	0	53	-1	NNW	4	-	0.3	59	52	bcv	cv	ofr.or	3.3																				
Scilly (St. Mary's)	1016.0	58	W	2	0	1008.6	0	55	-1	WNW	4	NW	0.4	62	54	cbc	bc	fc	3.0																				
Jersey (St. Aubin)	1013.3	59	WNW	4	0	1007.7	-1	59	+2	SW	4	-	0.5	61	55	opo	oco	op	0.4																				
Portland Bill	1010.5	58	WNW	4	0	1005.6	-4	58	+1	SW	5	-	0.6	60	54	0	0	or	-																				
Dungeness	1008.3	52	SW	4	C	1007.0	0	52	0	SW	5	-	0.7	57	42	cor	orc	cr.or	-																				
Wick	1007.1	51	NE	1	om	999.9	-4	49	+2	NW	2	-	0.8	53	46	cm	cmom	omp	-																				
Nairn	1006.4	59	-	0	C	999.8	-	50	+3	-	0	-	0.9	62	46	cbev	bccg	edpr	1.8																				
Leith	1006.3	62	NNE	1	C	1000.2	0	52	0	ESE	2	-	1.0	63	51	omo	o	cz.cod	-																				
Tynemouth	1007.3	51	N	4	om	1001.4	-1	47	-3	NNW	2	-	1.1	52	46	ompq	omr	omr	-																				
Spurn Head	1004.4	54	N	6	omd	1001.4	-1	54	+1	WNW	3	-	1.2	54	44	ogbm	ogbm	ogbm	-																				
Falmouth	1007.6	54	WSW	3	0	1004.2	+1	51	0	WSW	3	-	1.3	56	50	cmom	om	omd	0.0																				
Clacton-on-Sea	1007.7	51	WNW	2	0	1005.6	+1	55	+4	SW	4	-	1.4	55	51	ogtr	ogpd	ogd	0.0																				
Nottingham	1007.0	51	W	2	odm	1003.2	-	53	+5	W	2	W	1.5	53	48	orm	odm	do	0.0																				

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 6.7.1920.

Temperature reported from Coastal and Cross Channel Steamers.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
1. S.E. England	Dull, misty, rainy.	Fair	Mod.	3	5 th	0925	53	55
2. E. England	Dull, misty, squally.	"	Slight.	6	5 th	1420	57	-
3. E. Midlands	Rainy.	Indiff.	-	12	6 th	0300	52	53
4. W. Midlands	Rainy.	"	-	7	6 th	0322	57	57
5. S.W. England	Rainy.	Poor	-	4	6 th	0305	54	55
6. South Wales	Dull.	"	R. Rough.	2	6 th	0100	54	56
7. North Wales	Dull.	Fair	Slight.					
8. N.W. England	Dull, rainy.	"	Mod.					
9. N. Midlands	Dull, rainy.	Poor	"					
10. N.E. England	Dull, rainy.	"	-					
11. E. Scotland	Dull, misty, rainy.	Indiff.	Slight.					
12. S.W. Scotland	Dull.	Fair	"					
13. Isle of Man	Fair.	Good	Mod.					
14. N. & N.W. Scotland	Dull, rainy.	"	"					
15. Hebrides	Dull.	Fair	Smooth.					
16. Orkneys and Shetlands	Dull, misty, rainy.	"	"					
17. N.W. Ireland	Fair.	Poor	"					
18. N.E. Ireland	Fair.	Good	"					
19. S.E. Ireland	Dull.	"	Slight.					
20. S.W. Ireland	Dull.	"	V. Smooth.					
		V. Good	Mod.					



GENERAL INFERENCE from observations received up to 9h. G.M.T.

The North Sea depression is approaching Scotland and a secondary over Southern England is becoming deeper. Much low cloud and rain may be expected in all districts with a rather low temperature, and no decided improvement is likely during the next two or three days.

EXPLANATION.
BAROMETER.—Isobars are intervals of two millibars.
WIND.—Direction is shown by flying with the wind. Force, 0-12, is indicated by the feathers. Mean velocity is shown per hour by figures in small circles.
TEMPERATURE.—Isobars are intervals of two degrees.
WEATHER SYMBOLS.—
 ☉ clear sky. ☁ sky 1/4 clouded. ☂ sky 1/2 clouded. ☄ overcast sky. ⚡ rain. ⚡⚡ heavy rain. * snow. △ hail. ≡ fog. T thunder. R thunder. SEA DISTURBANCE.— Rough. High.

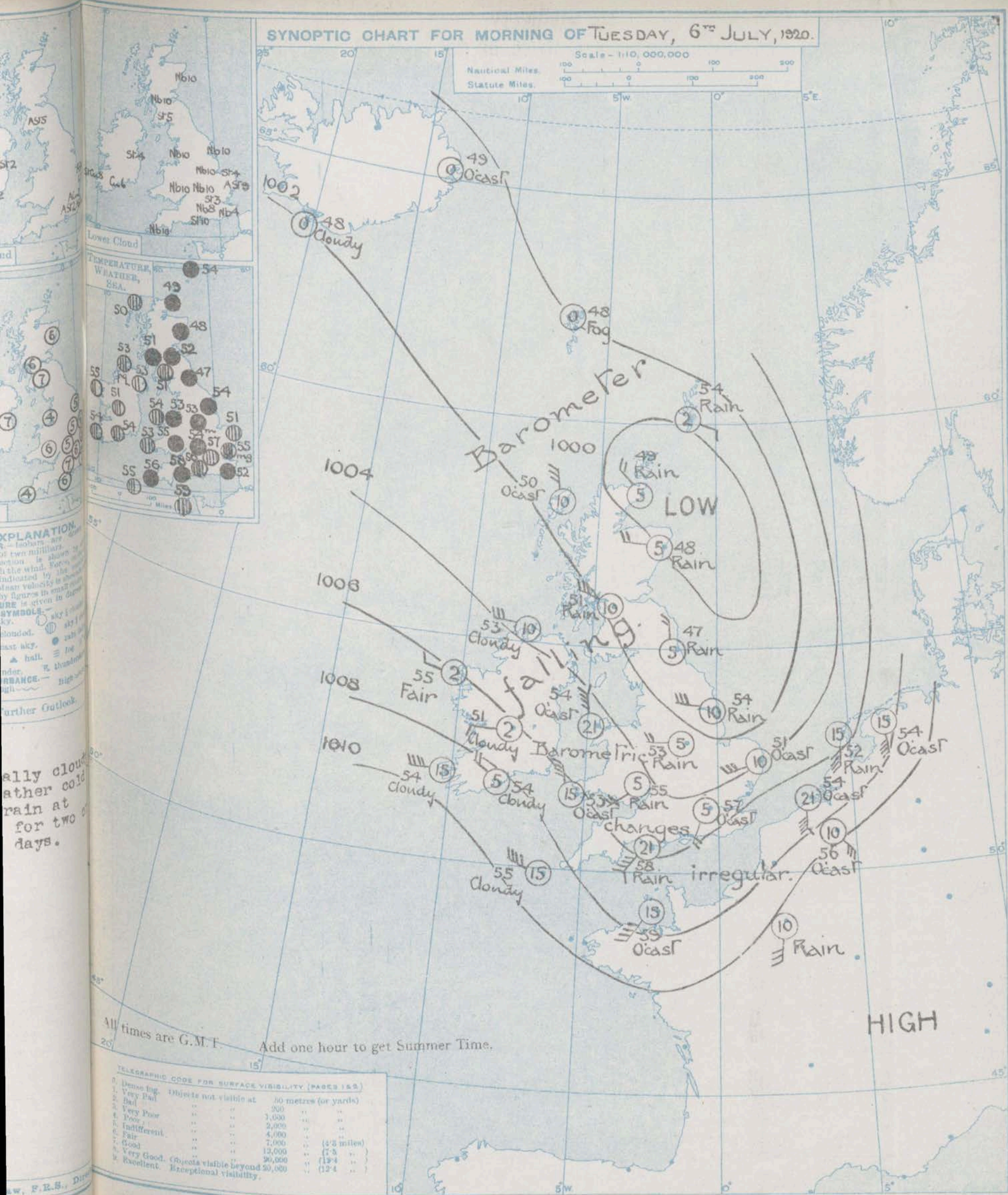
Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 6th July, 1920.
1. S.E. England	Moderate S.W. wind; much low cloud, rain at times, visibility mainly poor; rather cold.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Moderate Westerly wind; much low cloud, some rain, visibility mainly poor; rather cold.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Wind light and indefinite; much low cloud and rain, visibility poor; rather cold.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Same as 5 - 10.
14. N. & N.W. Scotland	Same as 11 - 12.
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	Same as 5 - 10.
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook
 Generally cloudy and rather cold with rain at times for two or three days.

All times are
 TELEGRAPHIC
 0. Dense fog.
 1. Very Bad.
 2. Bad.
 3. Very Poor.
 4. Poor.
 5. Indifferent.
 6. Fair.
 7. Good.
 8. Very Good.
 9. Excellent.

SYNOPTIC CHART FOR MORNING OF TUESDAY, 6th JULY, 1920.

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



EXPLANATION.
Isobars are shown at two millibars.
Direction of wind is shown by the arrow.
Force of wind is indicated by the number in small circles.
Force of wind is given in degrees.
SYMBOLS.
☉ sky clear.
☁ sky cloudy.
☂ sky drizzle.
☔ rain.
☕ hail.
☎ fog.
☄ thunder.
REFERENCE. High and low water.

fully cloudy
rather cold
rain at
for two
days.

All times are G.M.T. Add one hour to get Summer Time.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGE 152)

Code	Objects not visible at	50 metres (or yards)
0	Dense fog	
1	Very Bad	
2	Bad	
3	Very Poor	
4	Poor	
5	Indifferent	
6	Fair	
7	Good	
8	Very Good. Objects visible beyond 20,000	
9	Excellent. Exceptional visibility.	

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-24h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-24h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.
Scotland.									England, N.W.								
Oban ...	bc	bc	59	43	-	-	5.5	?	Douglas (I.O.M.)	-	-	65	51	2	-	4.5	?
Banff ...	o	o	55	44	-	-	1.1	9.2	Blackpool ...	o	o	57	50	2	-	0.0	0.0
Montrose ...	or	or	58	46	1	3	0.0	?	Southport ...	o	o	57	50	2	-	0.0	0.0
St. Andrews ...	o	c	60	47	1	-	0.0	?									
England, N.E.									Midlands.								
Harrogate ...	o	o	54	45	1	-	0.0	0.0	Buxton ...	ccoc	ccrod	51	44	2	1	0.0	?
Scarborough ...	o	o	55	50	3	0.3	0.0	0.0	Leamington Spa...	or	or	51	47	-	6	0.0	?
Skegness ...	or	or	55	49	1	9	0.0	?	Malvern ...	o	o	55	49	0.1	2	0.0	?
England, E.									Wales.								
Lowestoft ...	o	o	56	51	-	-	0.0	0.9	Bath ...	op	or	59	52	0.3	2	0.0	2.2
Felixstowe ...	omr	ond	53	51	1	0.4	0.0	5.1	Rhyl ...	bcc	c	57	52	1	-	0.6	0.0
Southend-on-Sea...	agr	orge	53	48	1	7	0.0	3.7	Colwyn Bay ...	*	*	59	52	1	-	1.5	0.0
England, S.E.									Llandudno ...	*	*	58	52	1	-	1.2	0.0
Tunbridge Wells	or	oro	52	49	6	9	0.0	2.1	Aberystwyth ...	cbb	c.o.o	59	53	-	-	2.0	?
Margate ...	or	org	55	52	10	10	0.0	2.8	Swansea ...	*	*	67	55	-	-	1.5	?
Ramsgate ...	*	*	57	50	-	-	0.0	3.3	Weymouth ...	o	o	63	53	2	-	0.0	1.4
Folkestone ...	rof	r.ro	54	51	12	6	0.0	2.5	Teignmouth ...	o	o	66	55	6	-	0.0	?
Hastings ...	oro	oro	57	51	17	6	0.0	0.2	Torquay ...	o	obcc	67	55	1	0.2	1.6	4.7
Eastbourne ...	or	ro	56	52	15	5	0.0	1.4	Paignton ...	c	cbe	69	54	1	-	1.6	?
Brighton ...	or	ror	56	51	7	7	0.0	1.5	Penzance ...	bc	bc	65	53	-	-	4.8	4.2
Worthing ...	or	r	55	51	8	12	0.0	1.1	Newquay ...	o.bv	bcc	63	55	-	-	3.2	2.2
Littlehampton ...	c	r	55	50	6	13	0.0	?	Bude ...	o.bv	bcc	63	55	-	-	1.1	5.5
Portsmouth (S'f'ha)	o	or	56	52	9	15	0.0	0.9	Ilfracombe ...	oc	coc	60	56	-	-	2.6	2.0
Bournemouth ...	*	*	57	50	4	2	0.0	0.3	Weston-s-Mare ...	roc	oro	61	53	3	1	0.0	2.0
Ventnor (I. of W.)	*	*	64	50	8	10	0.0	1.4	Tenby (Wales)	bcom	bc	65	52	-	-	2.2	?

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-24h.	24h-7h.				Day. 7h-18h.	Night. 18h-7h.	
Renfrew ...	o.bccoz	oz.	c.o	oif r	68	51	49	mm.	mm.	3.6
Eskdalemuir ...	r.r.o	o	o	ow	58	47	42	1	-	0.1
Valencia (Cahirevera) ...	o.oif	oif pd	c.o	c.o	61	53	49	-	-	0.0
Baldonnel ...	c.o.c.o	c.o.o	c.o	c.o	66	48	-	-	2	5.9
Ross on Wye ...	o.r	o.p.r.v.	v.p.	o.p.oifrr	58	52	50	2	2	0.0
Didsbury ...	o.bcc	o.bcc	o.bcc	o.bcc	54	50	46	Trace	2	x
Falmouth ...	o.bcc	o.bcc	o.bcc	o.bcc	68	54	59	-	3	5.5
Calshot (Hants) ...	o.bcc	o.bcc	o.bcc	o.bcc	57	52	50	14	1	0.0
Lympe (Folkestone) ...	o.bcc	o.bcc	o.bcc	o.bcc	55	49	48	8	4	0.0
Aberdeen ...	o.p.	o.p.	o	orr	55	46	45	-	13	0.0
Howden ...	q.pd.	a.f.a	a.f.d.o	a.f.v.o	54	48	48	-	3	x
Cranwell (Lincs) ...	rr. dd.	dd. dd.	dd. dd.	oif v	51	47	x	2	1	0.0
Felixstowe ...	oif dd.	oif dd.	oif dd.	oif dd.	54	50	x	x	x	x
Shoeburyness ...	rr.	rr. d.d.	d.o.f.e	oif v	57	50	49	7	1	0.0
Benson ...	rr.	rr. d.d.	d.o.f.e	oif v	54	47	50	20	0.2	x
S. Farnborough ...	dd. rr. r.f.	rr. oif	r.o.p.	oif v	56	48	47	17	1	0.0
London (Kew Obs.) ...	rr. dd.	dd. rr	oif p.d.	oif v	56	50	48	15	1	0.0
Croydon ...	rr. r.f.	d.d. r.f.	oif p.d.	oif v	54	49	x	13	1	x

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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
 R = heavy rain.
 rr = continuous moderate rain.
 r.f. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 30 feet above ground.	
	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	1.5-3.0
3	8-12	3.0-5.4
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	28.5-33.6
12	Above 76	33.7 or above

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. G.M.T.	9 h. G.M.T.	
	24 HOURS ENDED 9h G.M.T. 6 th JULY.						YESTERDAY.	TO-DAY.		
Greenwich (Royal Observatory)	o	or.o	op	60	49	50	13	0.0	89	79
City (Bunhill Row) ...	"	"	"	"	"	"	"	0.0	"	"
Westminster (St. James's Park)	"	"	"	59	50	46	10	0.0	93	82
.. (Admiralty Arch)	orm	odm	omfpm	59	51	"	10	0.0	93	82
Camden Sq. (British Rainfall)	or	od	"	60	48	48	11	"	93	86
Kensington Palace ...	or	or	"	59	50	50	13	"	97 (18h)	84
Hampstead Observatory ...	"	"	"	56	48	"	13	0.0	"	92

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	93	86
Average Rate	97 (18h)	84
Maximum Rate	*	92

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

6 th & 7 th JULY 1920.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	3.39	11.58	8.16
Greenwich	3.40	11.58	8.16
Wick	3.52	12.5	9.8
Valencia ...	4.30	12.46	9.9

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

Exposure from 5^h 21. h. 30. m.
 to 6^h 2. h. 30. m.

Stars.	Duration of Exposure.		Duration of Record.	
Polaris	h.	m.	h.	m.
δ Ursae	5.	0	-	-
Minoris	5.	0	-	-

NOTES ON THE WEATHER OF YESTERDAY.

In many parts of the country maximum temperatures of only about 55° occurred, but in parts of Scotland, Ireland and Western England the thermometer rose to between 65° and 70°. A considerable amount of rain fell, 20mm at Benson, 18mm at South Farnborough and 16mm at Kew. A few hours of bright sunshine were experienced at some stations in the West and North only.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 2142

WEDNESDAY, 7TH JULY, 1920.

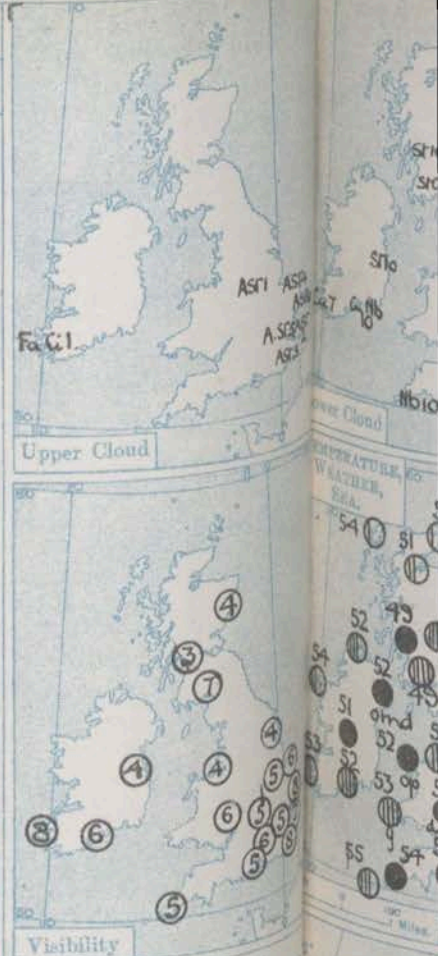
OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.

STATIONS.	13H. G.M.T. OF ...										18H. G.M.T. OF ...																	
	BAROM. at M.S.L.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather.	TEMP. °F.	Humidity %	Visibility 0-9.	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.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather.	TEMP. °F.	Humidity %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.
	mb.														mb.													
Renfrew...	1000.6	0	WNW	3	o	55	75	7	2,000	StCu	9	-	-	*	1001.9	+2	WSW	4	bc	57	65	8	3,000	Cu	3	AGu	1	4
Eskdalemuir ...	1000.3	0	WNW	4	o	55	65	8	4,200	StCu	8	-	-	*	1001.7	+1	W	4	bc	57	65	8	-	Cu	3	-	-	*
Valencia (Cahire'n)	1007.0	-1	WSW	2	o	53	92	6	750	St	10	-	-	3	1005.2	-2	SW	2	oif	53	85	6	1,250	StCu	7	ASc	3	3
Baldonnell ...	1004.8	-1	SW	3	c	60	65	7	3,000	StCu	6	ASc	1	*	1004.1	0	W	3	o	55	75	7	2,000	St	10	-	-	*
Ross on Wye ...	1004.0	+1	N	2	c	62	85	8	3,000	StCu	8	-	-	*	1005.1	+2	NW	2	bc	64	55	9	4,200	StCu	2	Ci	4	4
Didsbury ...	1003.1	+1	W	4	CZ	60	65	7	3,000	Cu	4	Fe.Ci	1	*	1004.3	+2	NW	3	bc	60	55	7	3,000	FeCu	4	-	-	*
Falmouth ...	1008.0	-2	WNW	3	c	62	65	8	-	CuNb	4	ASc	4	*	1008.2	0	WSW	4	od.	53	92	5	-	Nb	5	ASc	5	*
Calshot (Hants) ...	1004.4	0	NW	3	c	63	75	8	750	Cu	3	ASc	5	2	1006.6	+3	WSW	5	if	60	75	8	1,250	StCu	6	ASc	4	3
Lympne (Folkestone)	1005.8	-3	SSW	4	oif	57	98	9	2500	Nb	10	-	-	*	1005.5	+1	SW	4	c	61	85	8	2,000	StCu	4	ASc	4	*
Aberdeen ...	999.6	-1	NW	2	o	52	85	5	-	Nb	10	-	-	2	1000.7	+2	-	0	o	52	92	5	-	Nb	10	-	-	2
Howden ...	1001.1	0	WSW	4	bc	63	65	6	4,200	CuNb	4	AGu	2	*	1003.0	+2	WNW	4	bc	61	65	8	7,200	Cu	2	-	-	*
Cranwell (Lincs)	1003.2	0	WSW	3	oif	60	75	5	2,000	FrCu	3	ASc	7	*	1004.5	+2	W	4	c	61	65	5	750	FrCu	3	ASc	2	4
Felixstowe ...	1005.7	-2	SSW	6	oif	58	98	5	750	Nb	10	-	-	2	1005.2	+1	W	4	c	61	92	6	1,250	FrCu	3	ASc	2	*
Shoburyness...	1004.6	-1	SW	4	o	61	85	7	2,000	StCu	8	ASc	2	*	1005.1	+2	SW	2	b	64	65	7	3,000	StCu	2	AGu	1	*
Benson ...	1002.3	+1	NW	2	c	62	85	7	-	Cu	8	-	-	*	1005.2	+2	W	1	o	61	75	5	-	St	10	-	-	*
S. Farnborough	1003.5	-2	WNW	3	o	59	85	8	1,250	Nb	10	-	-	*	1005.4	+2	WNW	3	od.	62	85	8	1,250	Nb	9	ASc	1	*
London (Kew Ob.)	1002.9	-4	SW	3	od.	61	85	5	2,000	Nb	8	ASc	2	*	1005.3	+3	-	0	cif	60	85	6	2,000	StCu	4	ASc	4	*
Croydon ...	1004.3	-3	SW	5	oif	61	85	7	750	Nb	7	ASc	3	*	1006.1	+2	WNW	2	oif	60	85	6	1,250	Nb	9	ASc	1	*
Renfrew...	1007.9	+	*	*	*	*	*	*	*	*	*	*	*	*	1005.3	+1	E	1	oif	49	92	3	2,000	St	10	-	-	*
Eskdalemuir ...	1007.2	+2	-	0	bc	57	85	7	-	-	-	AGu	6	*	1005.8	+1	NE	1	ow	49	95	7	2,000	StCu	10	-	-	*
Valencia (Cahire'n)	1003.2	0	WSW	2	bc	52	91	4	750	St	10	-	-	2	1002.9	0	NNW	4	c	53	75	8	2,000	Cu	7	Fe.Ci	1	3
Baldonnell ...	1003.9	-2	-	0	o	50	91	4	750	St	10	-	-	*	1003.1	+1	-	0	o	51	92	4	750	St	10	-	-	*
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.1	-1	E	3	oif	52	92	6	1,250	Nb	10	-	-	*
Didsbury ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.5	-1	SE	3	oif	51	85	4	2,000	StCu	10	-	-	*
Falmouth ...	1005.7	-3	WSW	1	o	51	92	5	-	Nb	6	ASc	4	*	999.9	-6	SE	6	oif	54	97	5	-	Nb	10	-	-	*
Calshot (Hants) ...	1008.3	0	SW	3	o	55	85	8	2,000	St	10	-	-	2	1005.8	-3	SE	4	oif	55	92	5	750	Nb	10	-	-	4
Lympne (Folkestone)	1009.1	+2	WSW	5	o	54	92	8	2,000	StCu	10	-	-	*	1008.7	0	SE	2	o	54	85	8	3,000	St	7	ASc	3	*
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1006.7	+2	SE	1	bif	54	75	4	-	-	-	-	-	2
Howden ...	1005.8	+1	-	0	cif	44	97	6	2,000	St	3	AGu	5	*	1006.6	+1	-	0	od.	50	97	4	750	Nb	10	-	-	*
Cranwell (Lincs)	1007.1	+1	-	0	c	50	85	5	3,000	St	6	ASc	2	*	1006.8	0	E	2	oif	51	92	5	3,000	St	9	ASc	1	*
Felixstowe ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.0	0	SSW	4	o	57	85	8	-	-	-	ASc	10	2
Shoburyness...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.3	0	SSW	3	o	56	75	7	3,000	StCu	9	ASc	2	*
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.2	-2	SSE	2	oif	53	92	5	-	Nb	10	-	-	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1006.7	-1	SE	2	oif	53	92	6	1,250	Nb	10	-	-	*
London (M.O. at 1.1)	1007.9	+2	*	*	*	*	*	*	*	*	*	*	*	*	1007.2	0	SSE	1	oif	55	85	5	4,200	StCu	5	ASc	5	*
Croydon ...	1008.9	+2	SSW	2	o	53	92	6	750	Nb	10	-	-	*	1008.2	-1	SSE	2	oif	53	92	6	3,000	St	3	ASc	7	*
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																												
STATIONS.	12H. G.M.T. OF ...										7H. G.M.T. OF ...										24 HOURS ENDED 7H. ...							
	BAROM. at M.S.L.	TEMP. °F.	WIND. Direc.	Force 0-12.	Weather.	BAROMETER. at M.S.L.	TEMP. °F.	WIND. Direc.	Force 0-12.	Weather.	BAROMETER. at M.S.L.	TEMP. °F.	WIND. Direc.	Force 0-12.	Weather.	BAROMETER. at M.S.L.	TEMP. °F.	WIND. Direc.	Force 0-12.	Weather.	Rainfall mm.	Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	Sunshine Hours.	
	mb.					mb.					mb.					mb.												
Lerwick ...	999.5	52	S	2	o	1009.0	53	-1	5	3	-	b	2	2	58	48	sm	bcu	bcu	*								
Stornoway ...	999.0	53	NW	2	c	1004.7	54	+4	5	2	-	b	1	-	58	44	o	o.c.	c.b.	3.4								
Castlebay (Barra Is)	1000.9	54	WSW	3	c	1004.5	53	+2	5	2	E	c	1	-	55	48	o.b.c.	bc o.c.	c.b.c.	6.8								
Malin Head ...	1001.2	55	W	2	bc	1001.9	52	-1	5	1	E	c	2	4	57	49	cgh	bc	c	7.4								
Blacksod Point ...	1001.3	54	W	2	cm	1002.3	54	-1	NW	3	-	bc	2	6	57	46	cm	cmf.	bc pbc	*								
Roche's Point ...	1005.6	55	WSW	3	o	1001.7	52	-2	W	2	-	o	1	0.3	60	52	c.og.	og.	op.	*								
Birr Castle ...	1003.7	54	SW	1	r	1002.1	51	0	-	0	-	r	1	11	60	50	c	cor	or	3.0								
Donaghadee ...	1003.8	55	SE	2	cm	1004.5	52	-1	SSE	2	-	omd	2	3	59	46	c	bch	enomp	*								
Liverpool (Bidston)	1004.8	55	WNW	3	b	1004.2	53	0	SE	2	-	o	3	0.2	60	50	bc.	b.	bc o	8.8								
Holyhead ...	1003.9	56	SW	4	cg	1007.3	52	-2	SSE	3	-	op	2	2	61	51	o.c.b.c.	c.b.c.	cop	7.0								
Pembroke (St. Ann's Head)	1006.0	55	SW																									

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 7.7.1920.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers.				
				Position Number	Date	Time G.M.T.	Sea °F	Air °F
1. S.E. England	Dull, local mist & slight rain.	Fair.	Smooth	5	6 ^h	0720	52	54
2. E. England	Cloudy or dull.	"	"	1	6 ^h	1120	57	59
3. E. Midlands	Dull, local rain.	Indiff.	-	6	6 ^h	1450	59	60
4. W. Midlands	Dull, local drizzle & mist.	"	-	2	7 ^h	0100	54	52
5. S.W. England	Cloudy or dull, local slight rain.	"	R. Rough	4	7 ^h	0250	54	54
6. South Wales	Dull gloomy.	"	Slight	12	7 ^h	0300	52	51
7. North Wales	Dull, showery.	"	Smooth	8	7 ^h	0416	59	59
8. N.W. England	Dull, local mist & slight rain.	"	Slight					
9. N. Midlands	Dull.	"	-					
10. N.E. England	Dull, rain in S. fog in N.	Var.	Smooth.					
11. E. Scotland	Fine to cloudy, local mist	Indiff.	"					
12. S.W. Scotland	Dull, local mist & slight rain.	"	"					
13. Isle of Man	Dull.	Poor.	"					
14. N. & N.W. Scotland	Fine to cloudy.	Fair.	"					
15. Hebrides	Fine to cloudy.	"	"					
16. Orkneys and Shetlands	Fine.	"	"					
17. N.W. Ireland	Fair to cloudy.	"	"					
18. N.E. Ireland	Cloudy, local mist & drizzle.	Indiff.	"					
19. S.E. Ireland	Dull, rainy.	Poor.	"					
20. S.W. Ireland	Cloudy or dull.	Good.	Slight.					

Chart of Position Numbers



EXPLANATION.
BAROMETER.—Inches are shown. Intervals of two millibars.
WIND.—Direction is shown by the arrow. Force in knots by the number of flags. Force in miles per hour by the number of pennants. Force in feet per second by the number of pennants. Force in miles per hour by the number of pennants.
TEMPERATURE.—Mean velocity is shown in degrees Fahrenheit.
WEATHER SYMBOLS.
 ○ clear sky. ○ sky & clouds. ○ overcast sky. ○ rain falling. * snow. * hail. * fog. * thunder. * thunderstorm. * high water. * low water.

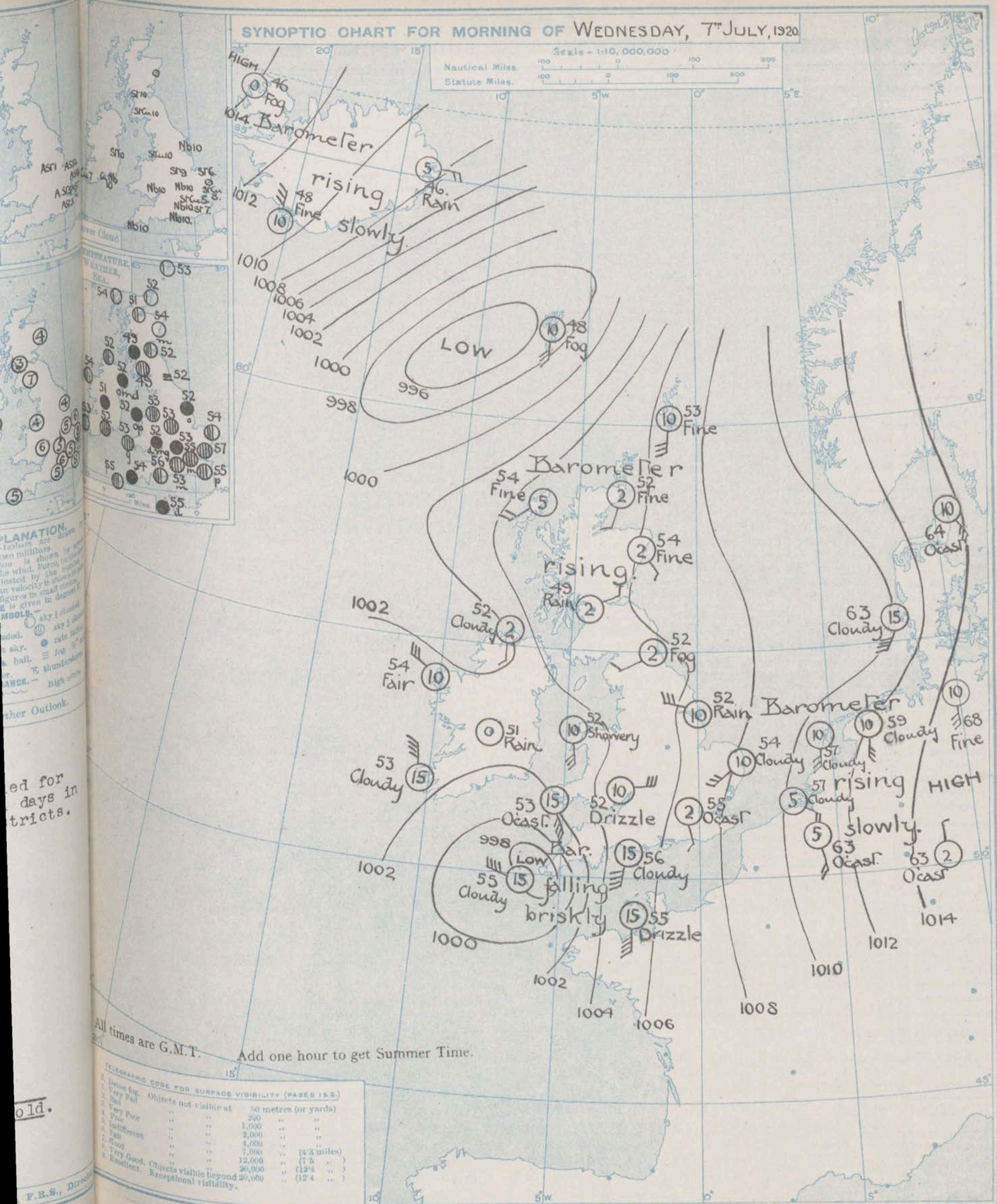
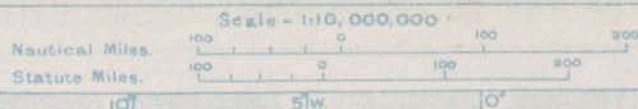
GENERAL INFERENCE from observations received up to 9h. G.M.T.

A secondary depression over South-West England is becoming deeper and will cause much rain over England, the wind backing temporarily to about South-East. In Scotland and Ireland some fine intervals are probable but the weather will remain unsettled for several days in all districts.

Districts.	Forecast for the 24 hours commencing 15h.G.M.T. Wednesday, 7th July 1920.
1. S.E. England	Wind South-East, moderate to fresh; much low cloud and rain; poor visibility; rather cold.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind becoming North-Westerly, fresh or strong; much low cloud and rain; some bright intervals later; visibility becoming good; rather cold.
6. South Wales	
7. North Wales	Moderate East wind backing later; much low cloud and rain; visibility indifferent to fair; rather cold.
8. N.W. England	
9. N. Midlands	Moderate SE. wind; much low cloud; rain later; poor vis. rather cold.
10. N.E. England	
11. E. Scotland	Light to mod. S.E. to E. wind, fair to cloudy; some showers; visibility indifferent to fair; rather cold.
12. S.W. Scotland	
13. Isle of Man	Same as 7 - 9.
14. N. & N.W. Scotland	
15. Hebrides	Light breezes, mainly from South or South-East; cloudy with some bright intervals; visibility indifferent to fair; mod. temp.
16. Orkneys and Shetlands	
17. N.W. Ireland	Mod. to fresh NW. to N. wind, showery, bright intervals; vis. good, rather cold.
18. N.E. Ireland	
19. S.E. Ireland	Same as 17.
20. S.W. Ireland	

Unsettled for several days in all districts.

SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 7th JULY, 1920



PLANATION.
Isobars are drawn
at intervals of 2 millibars.
Wind force, direction,
and velocity are shown by
the wind symbol.
Temperature is shown in
figures in small circles.
Precipitation is given in
figures in small circles.
Sky condition is shown
by the sky symbol.
Cloud condition is shown
by the cloud symbol.
Thunder is shown by the
thunder symbol.
Fog is shown by the
fog symbol.
Drizzle is shown by the
drizzle symbol.
Ocast. is shown by the
ocast. symbol.
Barometer is shown by the
barometer symbol.
Rising is shown by the
rising symbol.
Falling is shown by the
falling symbol.
Briskly is shown by the
briskly symbol.
Slowly is shown by the
slowly symbol.
High is shown by the
high symbol.
Other Outlook.

ed for
days in
tricts.

All times are G.M.T. Add one hour to get Summer Time.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)

Visibility	Objects not visible at	50 metres (or yards)
1. Very Poor	"	200
2. Poor	"	1,000
3. Fair	"	2,000
4. Good	"	4,000
5. Very Good	"	7,000
6. Excellent	"	12,000
7. Very Good	Objects visible beyond 20,000	20,000
8. Excellent	Exceptional visibility.	20,000

old.

F.R.S., Director

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-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.
Scotland.									England, N.W.								
Oban ...	c.o.	c.bc	58	49	-	-	1.9	6.0	Douglas (I.O.M.)	*	*	59	50	-	-	5.2	4.0
Banff ...	r	rd	53	47	13	7	0.0	1.1	Blackpool ...	r.o.	c	60	54	1	-	7.0	0.0
Montrose ...	or	or	53	47	14	2	0.0	0.0	Southport ...	c.c.b.c.b	c.bc.b	62	53	1	-	0.7	0.0
St. Andrews ...	*	*	58	48	7	4	0.4	0.0	Midlands.								
England, N.E.									Buxton ...	dr. or b.	b.bc.	57	47	1	1	3.7	0.0
Harrogate ...	or c.bc	b	62	49	2	0.1	6.3	0.0	Leamington Spa ...	or	c.c.b.	60	46	8	2	0.0	0.0
Scarborough ...	a	bc	58	48	5	2	1.5	0.0	Malvern ...	r.o.	c.bc	63	52	6	2	4.2	0.0
Skegness ...	or	a	60	49	1	0.4	0.0	0.0	Wales.								
England, E.									Bath ...	r.o.	c.c.bc	67	53	12	1	3.5	0.0
Lowestoft ...			64	51	2	2	0.6	0.0	Rhyl ...	c.bc	bc	60	52	3	-	6.7	0.0
Felixstowe ...	og	ch	66	48	2	2	1.0	0.0	Colwyn Bay ...	*	*	60	53	3	-	5.4	1.5
Southend-on-Sea ...	or a.or	c.c.	66	48	2	2	1.0	0.0	Llandudno ...	*	*	60	52	3	0.1	5.8	1.2
England, S.E.									Aberystwyth ...	r.rd.	b.bc	59	53	9	-	6.50	2.0
Tunbridge Wells ...	or	or c.	63	48	2	3	0.5	0.0	Swansea ...	*	*	65	55	12	-	5.8	1.5
Margate ...	c	or c.	63	50	2	1	1.0	0.0	England, S.W.								
Ramsgate ...	*	*	63	49	3	1	1.6	0.0	Weymouth ...	r.o.	c.c.	67	55	13	0.3	4.6	0.0
Folkestone ...	or a.	or a.bc	60	50	2	2	1.5	0.0	Teignmouth ...	or c.bc.	bc.c.	65	56	7	-	3.8	2.1
Hastings ...	or c.or	or bc	62	49	1	4	0.8	0.0	Torquay ...	or bc	bc.cy.	63	56	6	0.2	5.6	1.0
Eastbourne ...	or	r.o.c.bc	63	51	3	7	2.4	0.0	Paignton ...	cg	b.c.	67	54	5	-	5.0	1.0
Brighton ...	or	r.o.c.	63	52	3	4	1.7	0.0	Penzance ...	bc	c.or	63	55	4	1	6.4	4.2
Worthing ...	or	c.bc	65	51	3	3	2.8	0.0	Newquay ...	b.bc	c.or	59	54	8	0.3	4.6	3.3
Littlehampton ...	or	bc	64	59	2	4	2.0	0.0	Bude ...	r.c.bc.c	c	63	54	1	0.2	3.4	2.6
Portsmouth (S. of Sea) ...	or	bc	66	59	2	3	3.2	0.0	Ilfracombe ...	r.o.c.	bc.c.o	60	55	16	0.3	3.5	0.0
Bournemouth ...	*	*	66	51	8	3	2.0	0.0	Weston-s-Mare ...	r.bc.b	b.bc.c	63	54	13	1	5.2	0.0
Ventnor (I. of W.)	*	*	64	50	7	2	3.9	0.0	Tenby (Wales)	bc.b	bc.c	62	52	9	1	4.2	0.0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	7h-18h.	18h-18h.	Max. F.	Min. F.	Day. 7h-18h.	Night. 18h-7h.	Hours.	Sun.
Renfrew ...	r.o	bc.c	62	42	34	1	0.2	6.3
Eskdalemuir ...	r.o.c.o	bc.c	60	36	31	1	-	6.6
Valencia (Cahirciveen) ...	r.o.f	or	56	50	49	3	9	0.1
Baldonnel ...	c.o.c.o	c.o.	62	40	-	-	-	-
Ross on Wye ...	r.r.r.c.o	c.o.b.c.c	66	50	50	13	3	3.7
Didsbury ...	c.o.z	c.o.	61	46	37	12	tracc	4
Falmouth ...	bc.c.b.c	c.o.g.r	63	50	50	1	4	5.5
Calshot (Hants) ...	c.o.g.r	c.o.g.	64	54	50	5	4	1.4
Lympe (Folkestone) ...	c.o.g.r	c.o.g.	61	52	50	4	1	1.2
Aberdeen ...	r.o.f	bc.c	56	43	36	12	0.3	0.0
Howden ...	g.o	g.b.c	65	44	36	1	1	7.4
Cranwell (Lincoln) ...	o.f.r	c.o.b.c	62	45	*	1	3	1.8
Felixstowe ...	o.f.r	o.p.d.	64	55	*	1	4	*
Shoeburyness ...	r.o	bc.c	67	54	51	2	5	1.7
Benson ...	r.r.b.c	or	64	51	57	13	2	*
S. Farnborough ...	o.f.r.o	bc.c	65	50	48	7	2	1.7
London (Kew Obs.) ...	r.d.d.	bc.c	64	52	50	7	2	1.2
Croydon ...	o.f.r	c.o.f	66	52	*	3	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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
r.f. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.0
2	4-7	1.0-2.0
3	8-12	2.0-3.0
4	13-18	3.0-4.0
5	19-24	4.0-5.0
6	25-31	5.0-6.0
7	32-38	6.0-7.0
8	39-46	7.0-8.0
9	47-54	8.0-9.0
10	55-63	9.0-10.0
11	64-75	10.0-12.0
12	Above 75	12.0 or above

SYMBOLS.

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

LONDON OBSERVATIONS.

	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		HUMIDITY %	
	Morning.	Afternoon.	Max. F.	Min. F.	Day. 7h-18h.	Night. 18h-7h.	Hours.	Sun.	10h.	9h.
24 HOURS ENDED 7th G.M.T. 1920.										
Greenwich (Royal Observatory)	or	bc or	66	52	52	6	1.2	70	90	
City (Bunhill Row)	*	*	*	*	*	*	1.2	*	*	
Westminster (St. James's Park)	*	*	66	53	45	10	1.2	69	83	
" (Admiralty Arch)	or m	or m bc	66	53	*	10	1.2	72	94	
Camden Sq. (British Rainfall)	or oc	bc or	64	52	52	11	*	67	89	
Kensington Palace	or c	or c	66	52	52	12	*	96 (18h)	91	
Hampstead Observatory	*	*	61	51	*	8	1.6	*	90	

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	HUMIDITY %	
	10h.	9h.
Total	863	Joules.
Average Rate.	14.6	Milliwatts.
Maximum Rate.	72	

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

Stations.	Sunrise.		Noon.		Sunset.	
	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.40	11.58	3.41	11.58	3.41	11.58
Greenwich	3.53	12.5	3.54	12.5	3.54	12.5
Wick	3.19	12.17	3.20	12.17	3.20	12.17
Valencia ...	4.21	12.46	4.22	12.46	4.22	12.46

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

Exposure from 6^h 21^m 30^s m.
to 7^h 2^m 30^s m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	5.0	-	-
δ Ursae	5.0	-	-
Minoris	5.0	-	-

NOTES ON THE WEATHER OF YESTERDAY.

The day was again very cool, the temperature failing to reach 60° at most Irish and Scottish stations, and not exceeding 67° in the South of England. No rain fell in the Hebrides, but at a number of stations in England and Scotland the total was about 15 mm. In Ireland and the West of England sunshine records were fairly good and in the East of England Cranwell experienced 7½ hours.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.2143

Thursday, 8th July 1920.

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

STATIONS.	13H. G.M.T.														18H. G.M.T. OF 7 ^h													
	Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather.	Temp. °F.	Humidity %.	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather.	Temp. °F.	Humidity %.	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.
			Dir.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Dir.	Force 0-12.						Form.	Amt. 0-10.			
Renfrew	1006.8	+2	-	0	o.c.	52	85	4	2000	Nb	10	-	-	-	1007.8	+1	NNE	3	o.c.	57	85	4	2000	Nb	10	-	-	-
Eskdalemuir	1006.8	+2	ENE	2	o.c.	53	75	5	3000	St	9	A-st	1	-	1007.4	0	ENE	4	o.c.	57	75	7	3000	St	10	-	-	-
Valencia (Cahire's)	1004.5	+1	NNW	5	b	58	65	8	3000	Cu	2	A-cu	1	4	1006.3	+2	NNW	6	b	57	75	8	3000	Cu	2	A-cu	1	4
Baldonnel	1003.1	0	ENE	2	o	55	92	6	1250	St	10	-	-	-	1003.7	0	NNE	3	o.c.	58	75	6	3000	St	7	A-st	2	-
Ross on Wye	1002.2	-3	E	3	o.p	57	85	7	1250	Nb	9	A-st	1	x	1001.3	-2	SE	2	o.c.	58	92	6	2000	CuNb	10	-	-	x
Didsbury	1004.6	-1	ESE	4	o	60	65	5	3000	St	8	A-st	2	-	1004.2	0	E	4	o.c.	60	75	6	4200	St	9	-	-	-
Falmouth	998.4	+3	SW	5	bc	62	75	8	-	CuNb	6	-	-	-	999.8	0	WSW	6	b.c.	55	75	8	-	Cu	2	-	-	-
Calshot (Hants)	1003.7	-2	SSE	5	o.c.	58	92	5	750	St	10	-	-	4	1003.1	0	SW	3	o.c.	58	85	7	750	St	5	A-st	4	-
Lymington (Folkestone)	1006.9	-2	S	3	o.c.	58	75	8	2000	St	8	A-st	1	-	1005.7	-1	SSE	4	o	58	92	8	2000	Nb	4	A-st	6	-
Aberdeen	1008.6	+2	SE	2	bc	61	65	8	-	-	-	A-cu	4	2	1009.9	+1	ESE	1	c.f.	57	65	7	-	-	A-cu	7	2	-
Howden	1005.6	-1	SE	2	c.f.	60	85	6	2000	St	6	A-cu	1	-	1005.8	+1	ESE	4	o	58	75	8	4200	St	8	A-st	1	-
Cranwell (Lincs)	1006.2	-1	SE	3	o.c.	57	85	7	1250	Nb	10	-	-	-	1005.9	0	E	3	o.c.	59	85	7	1250	Nb	7	A-st	3	-
Felixstowe	1009.7	-2	SSE	5	o	61	85	7	4200	St	10	-	-	-	1006.8	-1	SSE	4	o	60	92	7	4200	St	10	-	-	-
Shoeburyness	1006.4	-2	SSW	4	o	63	65	7	2000	St	8	A-st	2	-	1006.2	-1	SSW	3	c	62	85	7	3000	St	5	A-st	3	-
Benson	1003.1	-3	SE	4	o	59	75	6	-	Cu	10	-	-	-	1003.3	-1	SE	4	b	59	92	6	-	Cu	2	-	-	-
S. Farnborough	1004.8	-1	SSE	5	o	59	75	7	1250	Nb	10	-	-	-	1003.5	-1	SSE	4	o.c.	59	92	6	1250	Nb	10	-	-	-
London (Kew Obs.)	1005.1	-3	SE	2	o	62	65	8	3000	St	8	A-st	2	-	1004.2	-2	SSE	3	o.c.	60	92	6	3000	St	5	A-st	5	-
Croydon	1006.1	-1	SSE	3	o	61	75	8	750	St	6	A-cu	3	-	1004.6	-1	SE	3	o.c.	58	92	6	750	Nb	10	-	-	-
Renfrew	1008.6	0	NE	4	o	51	92	6	-	St	9	-	-	-	1008.6	-1	NNE	2	o	54	75	7	2000	St	10	-	-	-
Eskdalemuir	1008.6	0	NNW	7	o.c.	53	97	3	-	St	10	-	-	-	1006.4	-1	NNE	4	o	52	85	6	3000	St	9	A-st	1	-
Valencia (Cahire's)	1005.0	-1	NE	4	o.c.	53	97	3	750	Nb	10	-	-	-	1010.5	+2	NNW	5	o	55	75	8	2000	St	8	A-cu	1	4
Baldonnel	1005.0	-1	NE	4	o.c.	53	97	3	750	Nb	10	-	-	-	1006.2	+2	NNE	3	o.c.	51	97	4	4500	St	10	-	-	-
Ross on Wye	1003.6	-1	ENE	3	bc	54	85	8	3000	Fr	1	A-cu	3	-	1003.6	-1	ENE	3	bc	54	85	8	3000	Fr	1	A-cu	3	-
Didsbury	1004.7	0	S	1	o.c.	54	85	4	3000	St	9	-	-	-	1004.7	0	S	1	o.c.	54	85	4	3000	St	9	-	-	-
Falmouth	999.6	+10	NW	5	o	55	85	6	-	CuNb	9	-	-	-	999.6	+10	NW	5	o	55	85	6	-	CuNb	9	-	-	-
Calshot (Hants)	1005.7	0	S	3	b	55	75	8	2000	St	3	-	-	3	1005.4	-2	SSE	5	o.c.	57	75	8	1250	St	9	-	-	4
Lymington (Folkestone)	1006.3	+1	S	3	o	54	92	8	3000	St	10	-	-	-	1008.9	+2	S	5	c	55	?	?	2000	St	7	-	-	-
Aberdeen	1005.4	-2	ENE	1	o.c.	55	97	5	750	Nb	10	-	-	-	1010.3	-1	NNE	2	o.c.	54	92	4	-	Nb	10	-	-	2
Howden	1006.2	0	ESE	2	o.c.	56	97	5	1250	Nb	10	-	-	-	1005.3	+1	S	3	bc	47	92	6	2000	CuNb	3	A-st	2	-
Cranwell (Lincs)	1008.8	+2	S	5	bc	57	85	8	4200	Fr	4	A-cu	2	3	1006.1	+1	SSW	4	bc	56	85	7	3000	Cu	4	-	-	-
Felixstowe	1008.1	+2	SSW	4	bc	60	65	7	4200	Cu	4	-	-	-	1008.8	+2	S	5	bc	57	85	8	4200	Fr	4	A-cu	2	3
Shoeburyness	1004.1	0	SE	3	bc	55	85	6	-	Cu	5	-	-	-	1008.1	+2	SSW	4	bc	60	65	7	4200	Cu	4	-	-	-
Benson	1005.4	0	S	5	c	55	85	7	2000	St	8	-	-	-	1004.1	0	SE	3	bc	55	85	6	-	Cu	5	-	-	-
S. Farnborough	1006.6	0	SSE	3	c	57	85	8	2000	Fr	8	-	-	-	1005.4	0	S	5	c	55	85	7	2000	St	8	-	-	-
London (M.O. at 1st)	1007.1	0	SE	3	c.f.	56	85	7	750	St	8	-	-	-	1006.6	0	SSE	3	c	57	85	8	2000	Fr	8	-	-	-
Croydon	1007.1	0	SE	3	c.f.	56	85	7	750	St	8	-	-	-	1007.1	0	SE	3	c.f.	56	85	7	750	St	8	-	-	-
STATIONS CONTRIBUTING REPORTS AT 7H. AND 13H.																												
STATIONS.	13H. G.M.T.				7H. G.M.T.				24 HOURS ENDED 7H.										Sunshine Hours.									
	Barom. at M.S.L. mb.	Temp. °F.	Wind. Dir.	Force 0-12.	Weather.	Barom. at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Wind. Dir.	Force 0-12.	Weather.	Sea 0-9.	Rainfall mm.	Max. °F.	Min. °F.	Morning.	Afternoon.		Night.								
Lerwick	1012.1	58	SSE	2	bcm	1014.8	-1	54	+1	E	3	c	1	-	60	49	b	bcm	cm	*								
Stornoway	1009.6	58	NE	1	o	1012.7	0	58	+4	ENE	2	-	1	-	60	47	bc	bco	cm	9.7								
Castlebay (Barra's)	1009.6	55	WSW	2	o	1011.5	0	56	+3	NNE	4	-	3	-	56	51	c.bco	c.o	o.c.b	3.6								
Malin Head	1006.7	54	NNE	2	c	1008.5	0	53	+1	N	3	-	3	1	56	50	cp	c	c	0.5								
Blacksod Point	1007.0	56	N	5	bc	1010.1	+3	55	+1	NNE	4	-	4	-	59	52	bc	bc	bc	*								
Roche's Point	1002.5	54	N	2	o.c.	1006.1	+3	53	+1	NNW	5	-	3	18	57	52	o.p	or	vo	*								
Birr Castle	1003.5	58	NW	1	c	1006.9	0	53	+2	NW	1	-	1	6	60	50	o.p.c	o.p.c	o.p.c	0.8								
Donaghadee	1006.4	53	NNE	3	om	1007.7	0	53	+1	NNE	4	-	2	-	55	50	omp	om	bcm	*								
Liverpool (Bilston)	1002.9	58	E	3	o	1004.1	0	52	-1	SE	1	S	2	12	61	51	o.c.m	o	or	0.4								
Holyhead	1002.2	56	E	6	orm	1004.6	+1	56	+4	ENE	5	E	3	5	61	51	o.c.bco	o.c.or	v.c.gpm	1.1								
Pembroke (St. Ann's Head)	997.9	56	SSE	4	c	1002.1	+1	54	+1	ENE	3	-	2	12	59	50	or	ore	c.bco	1.9								
Selly (St. Mary's)	1000.9	50	W	5	orm	1002.5	+3	55	0	NW	4	NW	6	15	59	50	cp	c.orm	b.c.p	4.0								
Jersey (St. Aubin)	1004.7	60	W	5	c	1004.8	0	55	0	SSW	6	-	4	4	64	54	o.d.bco	o.c.bco	c.g.ppo	4.3								
Portland Bill	1002.2	57	SW	5	bc	1000.1	-4	56	0	SSE	7	W	6	4	59	54	c.e.gp	or.bco	c.g.pmv	*								
Dungeness	1008.7	59	SSW	3	c	1007.8	+1	57	+2	SSW	4	SW	4	2	61	47	c.c	c.o.c	c.p.c	*								
Wick	1010.1	53	ESE	2	bcm	1014.7	-1	52	0	NNE	2	-	2	0.3	56	50	b	bcm	omp	*								
Nairn	1008.3	57	-	0	c	1016.6	0	53	+2	-	0	-	0	1	59	42	bc.c	c.g	c.g.pd	6.4								
Leith	1007.8	55	E	2	c	1008.0	0	53	+1	NE	3	-	3	0.3	60	52	c.o	c.o.p.c	c.o.e.m.o	*								
Tynemouth	1007.2	55	E	2	bcm	1006.0	-2	53	+1	NNE	3	-	3	1	55	51	f	om	cm. om	*								
Spurn Head	1006.5	57	E	4	c	1005.9	0	57	+5	S	4	-	4	4	60	50	p.be	d.g	p.o.bco	*								
Yarmouth (Norfolk)	1007.0	60	SSE	4	c	1008.2	+1	58	+4	SW	4	-	4	4	62	53	cp	c.g	omr.bco	1.3								
Clacton-on-Sea	1005.9	60	SSE	4	r	1008.0	+3	59	+2	SSE	5	S	4	1	61	55	og.p	og.p	o.c.p.bco	0.0								
Nottingham	1004.3	60	E	2	o	1005.3	0	56	+3	S	2	S	2	7	64	53	o.c	c.o.p	or	0.5								

* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

§ For code see page 3.

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 8.7.1920.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers.				
				Position Number	Date	Time G.M.T.	Sea ° F.	Air ° F.
1. S.E. England	Fair to dull.	Good.	Mod.	5	7 th	0750	52	53
2. E. England	Fair generally.	"	slight.	?	7 th	0700	55	56
3. E. Midlands	Fair or fine.	Fair.	-	3	7 th	0925	53	52
4. W. Midlands	Fair to dull.	Good.	-	6	7 th	1425	58	-
5. S.W. England	Fair to dull. Local rain & squalls.	Fair.	rough.	2	8 th	0100	54	54
6. South Wales	Fine.	Good.	smooth.	1	8 th	0323	57	51
7. North Wales	Cloudy.	Indiff.	slight.					
8. N.W. England	Dull local drizzle & mist	"	smooth.					
9. N. Midlands	Fair to dull.	Fair.	-					
10. N.E. England	Fair to dull; fog in North)	Var.	smooth.					
11. E. Scotland	Cloudy or dull. Local rain and mist.	Indiff.	"					
12. S.W. Scotland	Dull.	Fair.	"					
13. Isle of Man	Fair to cloudy.	Indiff.	"					
14. N. & N.W. Scotland	Fair to dull. Local mist.	"	"					
15. Hebrides	Fine.	Fair.	"					
16. Orkneys and Shetlands	Dull, misty.	Poor.	"					
17. N.W. Ireland	Fair.	Fair.	Mod.					
18. N.E. Ireland	Fair generally.	Indiff.	slight.					
19. S.E. Ireland	Cloudy or dull. Local rain	"	smooth.					
20. S.W. Ireland	Dull.	Good.	Mod.					

Chart of Position Numbers.

GENERAL INFERENCE from observations received up to 9h. G.M.T.

The future movements of a depression over S.W. England are uncertain, but most probably it will not move far during the next 24 hours and will maintain cool and showery weather generally. In Scotland, Ireland, and Eastern England fine intervals are likely, but the weather will be unsettled in all districts during the next few days.

EXPLANATION
BAROMETER—Isobars are drawn at intervals of two millibars.
WIND—Direction is shown by the arrow, force by the number of flags flying with the wind. Force 0-12 is indicated by the number of flags. Mean velocity in miles per hour by figures in small circles.
TEMPERATURE—Mean temperature in degrees Fahrenheit is shown in small circles.
WEATHER SYMBOLS—
 ○ clear sky.
 ☁ sky & cloud.
 ☂ overcast sky.
 * snow. ▲ hail. ☼ fog.
 T thunder. E. thunder.
SEA DISTURBANCE—
 Rough. High. Very High.

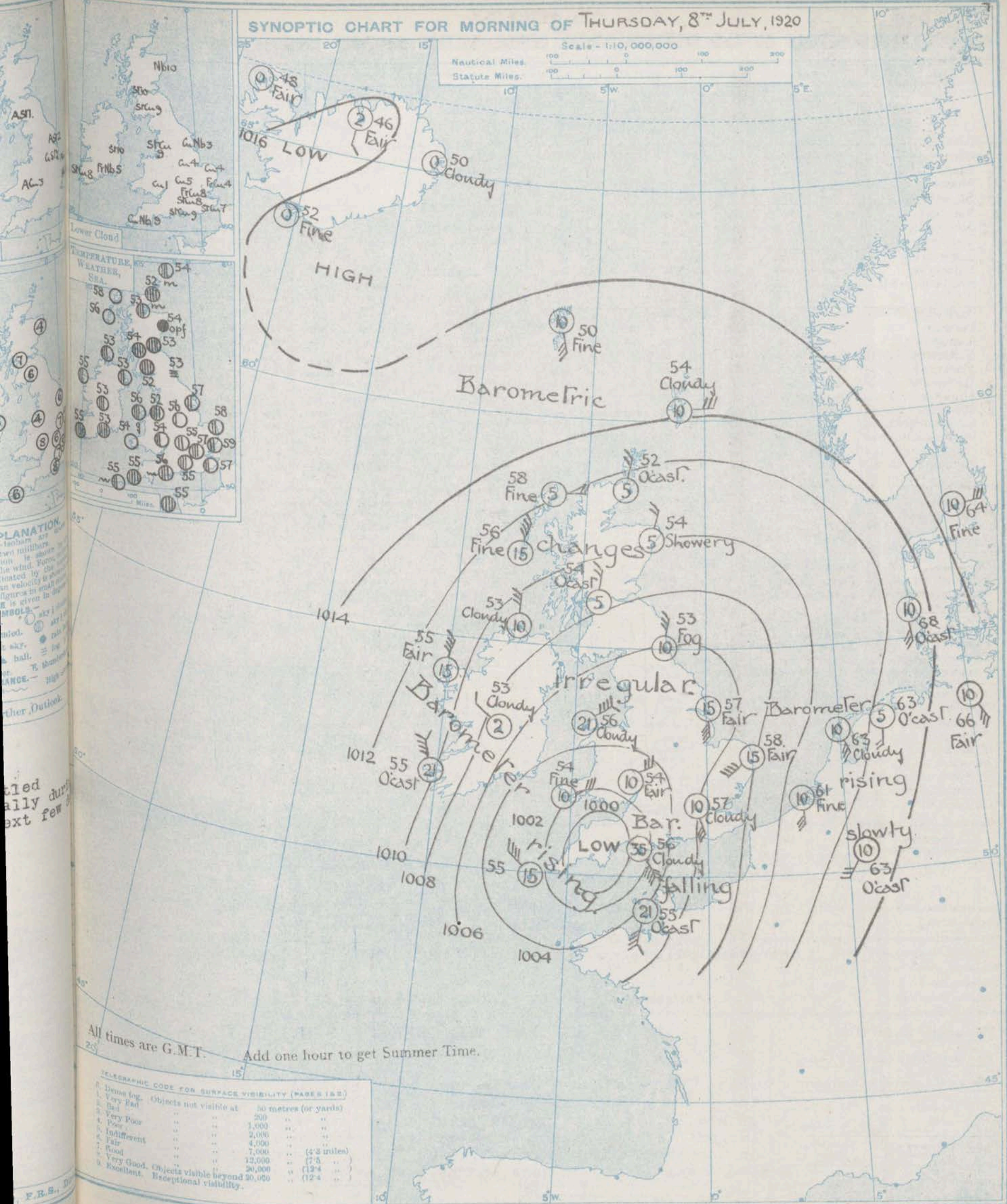
Further Outlook.

Districts.	Forecasts for the 24 hours commencing 15h.G.M.T. Thursday, 8th July, 1920.
1. S.E. England	
2. E. England	Moderate or fresh S.outherly winds; much low cloud, rain at times, some bright intervals; visibility mainly good; cool.
3. E. Midlands	
4. W. Midlands	Wind mainly E. or N.E. moderate; much low cloud, rain at times; visibility fair; cool.
5. S.W. England	
6. South Wales	Fresh or strong Northerly breeze; much low cloud and rain, visibility fair; cool.
7. North Wales	
8. N.W. England	Wind N.E. moderate to fresh; much low cloud, rain at times; visibility fair to good; cool.
9. N. Midlands	Same as 4.
10. N.E. England	Wind E. or N.E. moderate; varying amount of cloud & some showers but bright intervals; visibility fair to good; cool.
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Light to moderate N.E. wind; varying amount of cloud, some showers; visibility fair to good; cool.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	Fresh or strong Northerly wind; varying amount of cloud, some showers; visibility good; cool.
20. S.W. Ireland	

Unsettled generally during the next few days.

SYNOPTIC CHART FOR MORNING OF THURSDAY, 8TH JULY, 1920

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



All times are G.M.T. Add one hour to get Summer Time.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGE 182)

Code	Meaning	Objects not visible at	Distance
0	Very Poor	200	metres (or yards)
1	Poor	1,000	"
2	Indifferent	2,000	"
3	Fair	4,000	"
4	Good	7,000	" (4.3 miles)
5	Very Good	12,000	" (7.5 "
6	Excellent	20,000	" (12.4 "
7	Exceptional visibility		

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 190.

Thursday
8th July

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 7th																			
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.	Oban ...	no po	-	58	45	2	4	0.0	3.1	England, N.W.	Douglas (I.O.M.)	-	-	58	51	1	-	0.8	5.2
	Banff ...	b	b, bc	64	41	1	-	11.4	0.0		Blackpool ...	o, c	o	60	55	0.2	0.1	0.9	8.5
	Montrose ...	p, bc	o	58	41	2	-	7.1	0.0		Southport ...	o, c	o, c	61	50	0.1	-	0.1	2.0
	St. Andrews ...	bc	bc	57	38	-	-	4.1	0.8										
England, N.E.	Harrogate ...	o	o, c	59	45	0.3	-	0.5	9.0	Midlands.	Buxton ...	re, bc	bc	57	42	0.2	-	0.2	6.5
	Scarborough ...	o	b	58	50	1	2.2	1.9	Leamington Spa ...		o	o	58	50	0.2	3	0.0	3.0	
	Skegness ...	or	o	61	52	2	2	0.8	0.8		Malvern ...	o	o	58	50	0.2	3	0.0	3.0
	Lowestoft ...	o, c	o	63	50	-	-	0.5	?		Bath ...	o, p	o, p	60	51	1	2	0.0	3.5
England, E.	Felixstowe ...	o, u	o, u	61	55	2	0.2	0.0	2.0	Wales.	Rhyl ...	c, bc	c	61	50	1	-	1.0	8.0
	Southend-on-Sea ...	o, r	o	63	52	7	2	0.0	1.9		Colwyn Bay ...	*	*	61	52	-	-	0.9	4.7
									Llandudno ...		*	*	60	50	0.2	-	0.6	6.3	
									Aberystwyth ...		r, o, c	bc	62	50	1	-	2.0	6.5	
England, S.E.	Tunbridge Wells ...	o, r	c, o, d	61	50	4	1	0.1	1.1	England, S.W.	Swansea ...	*	*	63	56	4	3	1.1	6.1
	Margate ...	o, r	o, r	63	53	1	0.1	0.1	1.4		Weymouth ...	r, o, r	p, bc	67	53	4	2	1.7	4.8
	Ramsgate ...	*	*	61	52	2	0.3	0.0	2.2		Teignmouth ...	o, r, c	c, bc	64	52	3	5	3.8	3.8
	Folkestone ...	o, r	r, o, r	62	53	2	1	0.1	2.0		Torquay ...	o, r	c, bc	61	52	4	4	4.0	5.6
	Hastings ...	o, r	o, c, o, d	61	53	3	1	0.0	0.8		Paignton ...	o, r, m, c, p	bc	63	50	7	2	4.4	?
	Eastbourne ...	o, r, c	o, r	61	52	3	1	0.1	2.5		Penzance ...	c, bc	c, p, r	63	52	10	1	5.6	6.4
	Brighton ...	d, r	o	60	55	4	1	0.0	2.4		Newquay ...	o, p, bc	b, bc	60	50	6	0.2	4.9	4.7
	Worthing ...	r, o	o	60	54	3	0.3	0.0	2.9		Bude ...	o, r, bc	b	62	51	8	0.2	5.0	3.6
	Littlehampton ...	r	r, c	60	53	1	4	0.0	2.0		Ilfracombe ...	o, c	c, bc	64	52	4	1	3.8	3.5
	Portsmouth (S. Isles) ...	*	*	62	53	5	2	0.5	3.2		Weston-s-Mare ...	o, p, c, p	r, bc	60	51	1	2	1.5	5.2
	Bournemouth ...	*	*	60	51	6	2	0.7	2.3		Tenby (Wales) ...	o, p	c, p, bc	62	51	2	9	1.9	4.2
	Ventnor (I. of W.) ...	*	*	60	51	4	1	0.0	3.9										

SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.				THE BEAUFORT SCALE OF WIND FORCE.			
STATIONS.		WEATHER.				TEMP.		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. h hail. m mist. p passing showers. q squalls. rs sleet, i.e., rain and snow together. s snow. u ugly, threatening sky. v unusual visibility. w dew. y dry air; humidity less than 60 per cent. z dust haze; the turbid atmosphere of dry weather.				Limits of Velocity at about 30 feet above ground.		
		7h-13h.	13h-18h.	18h-7h.	1h-7h.	Max. Temp. F.	Min. Temp. F.	Min. on Grass. F.	Day. 7h-13h.		Night. 18h-7h.	No.	Statute miles per hour.	Metres per second.			
Renfrew ...		o, r	o, r	o, r, bc	c, o	58	47	37	2	-	0.1	0-3					
Eskdalemuir ...		o, r	o, r	b, o, u	o, w	56	48	44	Trace	-	0.6	1-3					
Valencia (Cahireveen) ...		p, bc, c, o	bc, bc	bc, c	c, o	59	52	52	-	-	10.0	4-7					
Baldonnel ...		o, p	o, p	o, r	r, o, z, f	-	-	-	-	-	-	8-12					
Ross on Wye ...		bc, p, d	p, o, d, r	bc, bc	b, bc	59	47	41	3	-	1.3	13-18					
Didsbury ...		o, p, d	o, r	o, r, r	o, p	63	51	48	Trace	5	2	19-24					
Falmouth ...		o, r, bc	c, o, bc	bc, T	o, p	62	49	47	2	10	7.5	25-31					
Calshot (Hants) ...		o, r, r	o, p	bc, bc	b, bc, c, u	61	54	54	3	1	1.4	32-38					
Lympe (Folkestone) ...		o, r, r	p, o, p, d	o, p, q	c, o	59	51	44	2	1	0.0	39-46					
Aberdeen ...		b, bc, f	b, bc, c	o, r, o, f	o, r, o, f	61	52	50	-	-	9.0	47-54					
Howden ...		o, r, d	c, o, v	r, o, r	r, o, r	65	44	49	-	6	9.1	55-63					
Cranwell (Lines) ...		o, r	c, o, d	o, r, p, d	c, o, bc	63	51	*	Trace	1	2.9	64-75					
Felixstowe ...		o, r	o, r	-	bc, p, o	63	56	*	*	*	*	76-83					
Shoeburyness ...		o, r	c, o, p	c, o, r	bc, bc	67	53	51	1	1	0.6	84-95					
Benson ...		r, o	b, bc	o, r	a, b, bc	61	48	40	2	3	*	96-107					
S. Farnborough ...		r, r, o	r, o, r, o, f	o, r, p, o	bc, c, o	61	47	41	3	0.1	0.3	108-119					
London (Kew Obsy.) ...		o, r, d	o, p	o, r, p	bc	63	51	39	2	3	0.2	120-131					
Croydon ...		o, r	o, d, o	o, r, p, r, p	c, o, p, f, bc	62	50	*	2	1	*	132-143					

LONDON OBSERVATIONS.										SOUTH KENSINGTON (Meteorological Office).				TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.											
Morning.		Afternoon.		Night.		Max. Temp. F.		Min. Temp. F.		Min. on Grass. F.		Rainfall. mm.		Sunshine to Sunset. Hours.		Humidity %		Vertical Component of Solar Radiation per Square Centimetre during yesterday.		Total. 983 Joules. 983 Milliunits.		Average Rate. 16.7		Maximum Rate. 73	
																15 h. G.M.T.										9 h. G.M.T.
24 HOURS ENDED 9h G.M.T. 9th										YESTERDAY.				TO-DAY.				8th & 9th July 1920.							
Greenwich (Royal Observatory)		o, r	o, p	o, bc	66	49	42	4	0.8	69	59	Yarmouth ...		3.41	11.55	5.46	Greenwich		3.52	12.5	5.16				
City (Bunhill Row)		*	*	*	63	53	45	3	0.6	66	58	Wick		3.20	12.17	5.13	Valencia ...		4.32	12.46	5.23				
Westminster (St. James's Park)		*	*	*	63	54	*	3	3.7	74	58														
(Admiralty Arch)		o, r, m	c, o, r, m	o, p, bc, bc	63	54	*	3	*	64	55														
Camden Sq. (British Rainfall)		c	o, r	*	66	52	48	4	*	64	55														
Kensington Palace		o, p	o	*	63	51	44	7	*	86 (18h)	58														
Hampstead Observatory		*	*	*	62	51	*	5	0.9	*	65														

Photographic Record of Pole Star (Polaris) and of δ Ursae Minoris at Greenwich Observatory.

Exposure from 1.20 a.m. to 1.30 a.m.

Stars.	Duration of Exposure.	Duration of Record
Polaris	5 0	1 20
δ Ursae Minoris	5 0	0 43

NOTES ON THE WEATHER OF YESTERDAY.

The weather was again cool, the highest recorded temperature being 67° at Weymouth and Shoeburyness. Rain fell generally, 18 mm at Roches Point and 15 mm at Scilly being the largest totals. There were some good records of bright sunshine in Scotland and at Valencia, 9 or 10 hours being recorded, but there was little or none in the East of England.

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUN.	
	7h-13h.	13h-19h.	19h-7h.	1h-7h.	Max. Temp. F.	Min. Temp. F.	Mid. on Grass. F.	Sun. Hours.
Renfrew ...	o, r	o, r	o, r	o, r	58	47	37	0.1
Eskdalemuir ...	o, r	o, r	o, r	o, r	56	48	44	0.6
Valencia (Cahireveen) ...	p, bc, c	bc, bc	bc, c	bc, c	59	52	52	10.0
Baldonnel ...	o, p	o, p	o, p	o, p	-	-	-	-
Ross on Wye ...	bc, c	p, o, d	bc, bc	bc, bc	59	47	41	1.3
Didsbury ...	o, p	o, r	o, r	o, r	63	51	48	5
Falmouth ...	o, r, bc	c, o, bc	bc, c	bc, c	62	49	47	7.5
Calshot (Hants) ...	o, r	o, p	bc, bc	bc, bc	61	54	3	1.4
Lympne (Folkestone) ...	o, r	o, p	o, p	o, p	59	51	44	0.0
Aberdeen ...	bc, c	bc, c	o, r	o, r	61	52	50	9.0
Howden ...	o, r	c, o, v	o, r	o, r	65	44	49	6
Cranwell (Lincs) ...	o, r	c, o, d	o, r	o, r	63	51	49	2.9
Felixstowe ...	o, r	o, r	o, r	o, r	63	56	*	*
Shoeburyness ...	o, r	c, o, p	c, o, r	c, o, r	67	53	51	0.6
Benson ...	o, r	b, bc	o, r	o, r	61	48	40	2
S. Farnborough ...	r, o, r	r, o, r	o, r	o, r	61	47	41	0.3
London (Kew Obs.) ...	o, r	o, r	o, r	o, r	63	51	39	2
Croydon ...	o, r	o, r	o, r	o, r	62	50	*	*

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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
L = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

Limits of Velocity at about 30 feet above ground.		
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	1.6-3.2
3	8-12	3.3-5.4
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

SYMBOLS—

Aurora ☄ Solar halo ☉
Rime ❄ Lunar halo ☾
Glazed frost ❄ Solar corona ☉
Glazed roads ❄ Lunar corona ☾

LONDON OBSERVATIONS.

	Morning.	Afternoon.	Night.	F.	F.	F.	mm.	Hours.	G.M.T.	G.M.T.
	24 HOURS ENDED 8h G.M.T. 8 ^h							YESTERDAY.		TODAY.
Greenwich (Royal Observatory)	o, r	o, p	o, bc	66	49	42	4	0.8	69	59
City (Bunhill Row)	*	*	*	*	*	*	*	0.9	*	*
Westminster (St. James's Park)	*	*	*	63	53	45	3	0.6	66	58
.. (Admiralty Arch)	o, r	c, o, r	o, p, bc	63	54	*	3	3.7	74	58
Camden Sq. (British Rainfall)	c	o, r	*	66	52	48	4	*	64	55
Kensington Palace	o, p	o	*	63	51	44	7	*	86 (18h)	58
Hampstead Observatory ...	*	*	*	62	51	*	5	0.9	*	65

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	
Total	983 Joules.
Average Rate	16.7 Milliwatts.
Maximum Rate	73

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

8th & 9th July 1920.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	3.41	11.55	8.24
Greenwich	3.52	12.5	9.15
Wick	3.20	12.17	9.12
Valencia	4.32	12.46	9.23

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

Exposure from 7.20 a.m. to 8.20 a.m.

Stars.	Duration of Exposure.		Duration of Record.	
	h.	m.	h.	m.
Polaris	5	0	1	20
δ Ursae	5	0	0	43
Minoris				14

NOTES ON THE WEATHER OF YESTERDAY.

The weather was again cool, the highest recorded temperature being 67° at Weymouth and Shoeburyness. Rain fell generally, 18 mm at Roches Point and 15 mm at Scilly being the largest totals. There were some good records of bright sunshine in Scotland and at Valencia, 9 or 10 hours being recorded, but there was little or none in the East of England.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 26,414 ... FRIDAY, 9TH JULY, 1920.

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

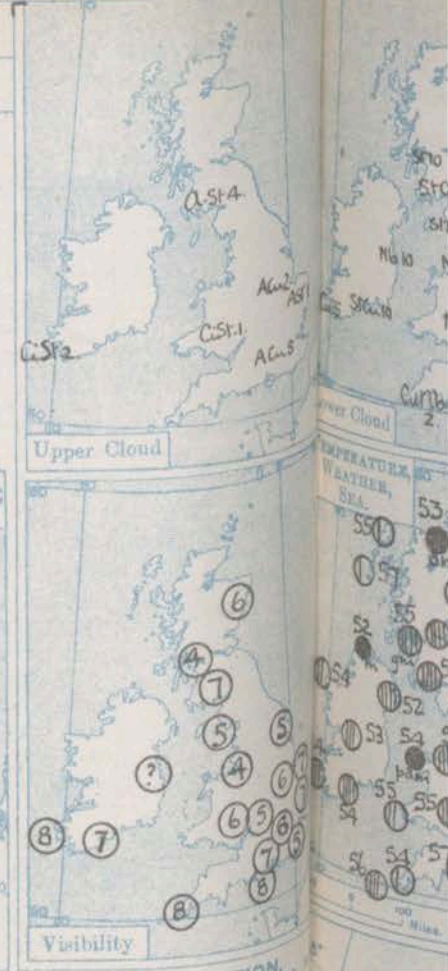
STATIONS.	OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.																											
	BAROM.		WIND.		WEATHER.	TEMP.	HUMIDITY.	VISIBILITY.	HEIGHT OF LOW CLOUD.	LOW CLOUD.		UPPER CLOUD.		SEA.	BAROM.		WIND.		WEATHER.	TEMP.	HUMIDITY.	VISIBILITY.	HEIGHT OF LOW CLOUD.	LOW CLOUD.		UPPER 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.	
	13H. G.M.T. OF 9 ^h																											
Renfrew...	1006.2	-3	NNE	1	55	92	4	1,250	Nb	10	-	-	-	1006.3	0	E	2	bc	58	65	6	2,000	Nb	6	-	-	-	-
Esksdalemuir...	1006.0	0	ESE	3	52	92	5	2,000	Nb	10	-	-	-	1007.2	+2	-	0	dr. r. f.	54	85	5	1,250	Nb	10	-	-	-	-
Valencia (Cahire's)	1012.6	+2	NNW	5	55	75	8	2,000	St Cu	5	A. Cu	2	-	1013.6	+1	NNW	5	bc	57	75	8	2,000	Cu	4	A. Cu	1	-	-
Baldonnel...	1006.8	0	NNW	2	54	92	5	750	Nb	10	-	-	-	1006.8	0	NNW	3	bc	54	92	5	1,250	Nb	10	-	-	-	-
Ross on Wye...	1002.9	-1	ENE	3	55	92	7	2,000	Nb	8	Fa. C.	1	-	?	+1	WNW	1	dr. u.	55	92	8	2,000	CuNb	8	Fa. C.	2	-	-
Didsbury...	1005.0	0	S	4	65	55	6	5,700	Cu	5	Ci	1	-	1005.1	0	ESE	5	bc 2	62	65	5	4,200	CuNb	5	Fa. C.	1	-	-
Falmouth...	1006.4	+5	WNW	5	62	75	7	-	CuNb	5	-	-	-	1006.8	+3	WNW	3	og h.	57	85	4	-	Nb	9	-	-	-	-
Calshot (Hants)...	1004.9	+2	SSW	6	60	75	8	750	St Cu	7	-	-	-	1006.2	+1	SW	6	0	59	85	7	1,250	St Cu	9	-	-	-	-
Lympe (Folkestone)	1009.3	+2	S	6	61	65	8	2,000	St Cu	8	-	-	-	1009.8	+1	SSW	6	0	55	85	7	2,000	Nb	5	A. St	4	-	-
18H. G.M.T. OF 9 ^h																												
Aberdeen...	1008.9	0	NE	4	54	92	3	-	St	10	-	-	-	1010.0	+2	SE	1	2fe	55	92	5	-	St	8	-	-	-	-
Howden...	1006.2	+2	SSE	4	66	65	8	1,200	St Cu	7	-	-	-	1006.6	0	SSE	6	c	60	75	9	1,250	St Cu	5	A. St	2	-	-
Cranwell (Lincs)...	1006.7	0	SE	5	62	65	7	3,000	St Cu	9	-	-	-	1006.8	-1	SE	4	c	75	7	2,000	Nb	2	A. St	3	-	-	-
Felixstowe...	1010.6	0	S	5	65	65	8	4,200	Fa. Cu	2	-	-	-	1010.4	0	SSW	6	b	60	85	8	4,200	Cu	2	A. Cu	1	-	-
Shoeburyness...	1008.6	0	S	4	66	55	7	4,200	St	6	-	-	-	1008.8	+2	S	4	bc	59	75	8	4,200	Cu	4	A. Cu	2	-	-
Benson...	1003.8	-2	S	5	57	85	5	-	Nb	10	-	-	-	1004.4	0	SSE	4	bc	56	85	7	-	Cu	6	-	-	-	-
S. Farnborough...	1005.3	-1	S	5	57	85	7	1,250	Nb	9	-	-	-	1005.3	0	S	5	og	57	85	7	1,250	Cu	9	-	-	-	-
London (Kew Obs.)	1006.8	0	SSE	5	58	75	6	3,000	Nb	8	A. St	2	-	1006.7	0	S	4	c	60	75	8	3,000	CuNb	6	A. Cu	1	-	-
Croydon...	1007.4	0	S	4	57	92	7	750	Nb	9	A. St	1	-	1007.7	+1	SSE	4	0	56	92	8	2,000	CuNb	8	Fa. C.	1	-	-
1H. G.M.T. OF 9 ^h																												
Renfrew...	1008.4	0	E	1	51	92	6	-	St	8	-	-	-	1008.1	0	E	4	0.2fg	55	92	4	1,250	St	10	-	-	-	-
Esksdalemuir...	1015.0	0	NW	5	54	-	-	-	-	-	-	-	-	1007.5	0	NNE	3	0	52	92	7	2,000	St Cu	5	A. St	4	-	-
Valencia (Cahire's)	1015.0	0	NW	5	54	-	-	-	-	-	-	-	-	1015.1	0	W	4	c	54	85	8	2,000	St Cu	5	Ci. St	2	-	-
Baldonnel...	1008.5	0	WNW	4	51	97	3	750	St	10	-	-	-	1009.3	+2	W	3	or	51	97	7	750	Nb	10	-	-	-	-
Ross on Wye...	-	-	-	-	-	-	-	-	-	-	-	-	-	1009.4	+3	WSW	3	om	55	85	6	2,000	Nb	9	Ci. St	1	-	-
Didsbury...	-	-	-	-	-	-	-	-	-	-	-	-	-	1009.5	0	SW	3	or. l. f.	54	97	4	750	Nb	10	-	-	-	-
Falmouth...	1012.2	+2	W	4	54	85	7	-	-	-	-	-	-	1014.8	+4	W	4	b	54	85	8	-	CuNb	2	-	-	-	-
Calshot (Hants)...	1009.9	+2	WSW	3	54	92	8	2,000	St Cu	9	-	-	-	1012.6	+4	WSW	3	c	57	85	8	4,200	St Cu	7	-	-	-	-
Lympe (Folkestone)	1010.7	+1	SW	6	53	92	8	1,250	Nb	6	-	-	-	1011.7	+1	SW	5	or. 2fg	55	97	5	750	Nb	9	-	-	-	-
Aberdeen...	-	-	-	-	-	-	-	-	-	-	-	-	-	1011.5	0	ENE	2	0.1f	54	92	6	-	St	10	-	-	-	-
Howden...	1006.8	-1	ESE	3	52	97	8	4,200	St	2	-	-	-	1005.8	+1	S	2	or.	54	97	5	2,000	Nb	10	-	-	-	-
Cranwell (Lincs)...	1007.5	0	SE	4	53	92	5	3,000	St	8	-	-	-	1008.4	+3	SSW	4	0	54	92	6	1,250	St	7	A. Cu	2	-	-
Felixstowe...	-	-	-	-	-	-	-	-	-	-	-	-	-	1011.8	+1	SSW	5	c	59	85	7	1,250	CuNb	7	-	-	-	-
Shoeburyness...	-	-	-	-	-	-	-	-	-	-	-	-	-	1011.1	+2	SSW	4	bc	59	75	7	4,200	Cu	5	Ci	1	-	-
Benson...	-	-	-	-	-	-	-	-	-	-	-	-	-	1010.0	+3	SW	3	0	53	92	5	-	Cu	10	-	-	-	-
S. Farnborough...	-	-	-	-	-	-	-	-	-	-	-	-	-	1011.0	+4	WSW	4	0	56	85	7	1,250	Nb	10	-	-	-	-
London (M.O. at 1h)	1008.8	+2	-	-	54	-	-	-	-	-	-	-	-	1011.2	+4	SW	3	cu	58	85	6	2,000	St Cu	3	A. Cu	5	-	-
Croydon...	1009.9	+2	SSW	2	54	92	6	-	-	-	A. St	1	-	1011.7	+3	SW	2	cif	56	85	7	2,000	St	8	-	-	-	-
STATIONS CONTRIBUTING REPORTS AT 7H. AND 13H.																												
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		WEATHER.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	WEATHER.	Sea 0-9.	Rainfall mm.	TEMP.			WEATHER.			Sunshine Hours.						
			Dir.	Force 0-12.		at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.								
7H. G.M.T. OF 9 ^h																												
Lerwick...	1012.5	56	SE	4	fd	1015.2	-1	54	0	-	0	-	fd	0	13	57	51	omr	fd.	fd	-							
Stornoway...	1010.9	55	NE	4	or	1010.1	0	55	-3	ESE	3	-	b	2	8	60	50	b. o.	or.	or. b.	6.2							
Castlebay (Barra Is)	1009.3	56	NNE	5	or	1009.0	0	57	+1	ENE	2	-	bm	2	14	62	53	bc	c. or.	or. b. m.	8.5							
13H. G.M.T. OF 9 ^h																												
Main Head...	1006.8	54	N	4	omr	1006.6	0	52	-1	N	3	N	omr	3	7	56	51	bc	bc	omr	4.4							
Blackod Point...	1011.2	57	NW	4	bc	1010.5	-2	54	-1	NW	1	W	bc	2	-	60	52	bc	bc	c. bc	-							
Roche's Point...	1009.8	56	NW	4	0	1013.6	+2	54	+1	WNW	3	-	0	2	1	61	57	or. o.	or. o.	o. b. o.	-							
Birr Castle...	1008.4	59	NW	2	c	1010.9	-	53	0	W	2	-	c	-	0.1	61	51	c	cp	c	2.9							
Donaghadee...	1006.5	53	NNW	1	omr	1007.4	+1	52	-1	-	0	-	omr	0	18	55	50	cmh	omr	omr	-							
Liverpool (Bidston)	1004.8	60	SE	2	c	1006.8	+1	55	+3	W	4	W	0	3	1	64	52	c	c.	o.	8.4							
Holyhead...	1005.3	56	NW	4	og	1007.1	0	54	-2	NW	3	-	opdm	2	1	60	52	c. c.	c. c. g.	bef. pod	0.8							
Pembroke (St. Ann's Head)	1007.2	53	NW	3	or	1011.8	+3	55	+1	W	4	W	bc	4	2	61	52	b. c.	b. c. o.	or. b. c.	9.1							
Silly (St. Mary's)	1010.7	56	NW	3	om	1015.2	+1	56	+1	NW	4	NW	c	5	1	59	53	ch	c. om	bc	4.7							
Jersey (St. Aubin)	1010.1	54	SW	6	b	1015.8	+2	58	+3	W	5	W	b	4	4	60	55	og h. c.	c. og h. b.	b	3.7							
Portland Bill...	1005.0	58	WSW	5	c	1011.6	+3	57	+1	W	5	-	bc	5	3	60	54	ch.	ch.	o. bc	-							
Dungeness...	1009.0	57	SSW	5	or	1011.5	+1	58	+1	SW	5	SW	bc	5	4	64	52	bc	ch. or	bc. op. c.	-							
Wick...	1004.5	52	ENE	2	of d.	1011.3	0	53	+1	E	1	-	omr	2	3.01	56	57	om	omr	bc. omr	-							
Nairn...	1008.5	54	ENE	2	y	1011.0	-	53	0	-	0	-	bc	1	8	55	46	om	omr	m. c.	0.2							
Leith...	1007.3	56	E	3	0	1008.3	0	55	+2	NE	2	-	om	2	8	63	53	oat h.	et h.	or. c. m.	-							
Tynemouth...	1007.4	55	SE	4	cmh	1007.8	0	54	+1	ESE	3	-	om	3	15	58	52	omr	et h.	bc. m.	-							
Spurn Head...	1007.7	62	SE	5																								

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 9.7.1920.

Temperature reported from Coastal and Cross Channel Steamers.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number	Date	Time G.M.T.	Sea °F	Air °F
1. S.E. England	Cloudy or dull. Local mist.	Good.	R. rough.	3	8th	0925	53	53
2. E. England	Fair to dull.	"	Slight.	1	8th	1118	57	57
3. E. Midlands	Dull.	Fair.	-	6	8th	1405	59	65
4. W. Midlands	Dull. Local mist.	"	-	2	9th	0135	54	55
5. S.W. England	Fine to cloudy.	V. good.	R. rough.					
6. South Wales	Fair.	Good.	moderate					
7. North Wales	Dull; local drizzle & mist.	Indiff.	smooth.					
8. N.W. England	Dull. Local rain & mist.	"	slight.					
9. N. Midlands	Dull.	"	-					
10. N.E. England	Dull; local rain, mist, squalls.	"	moderate					
11. E. Scotland	Fair to dull, local mist.	Fair.	Smooth					
12. S.W. Scotland	Dull, local mist.	"	"					
13. Isle of Man	Dull.	Indiff.	"					
14. N. & N.W. Scotland	Fair to dull; local mist and rain.	"	smooth.					
15. Hebrides	Fine; local mist.	"	"					
16. Orkneys and Shetlands	Drizzle and fog.	Bad.	calm.					
17. N.W. Ireland	Fair.	Indiff.	smooth.					
18. N.E. Ireland	Dull, misty, local rain.	Poor.	"					
19. S.E. Ireland	Cloudy or dull. Local rain.	Indiff.	slight.					
20. S.W. Ireland	Cloudy or dull.	V. Good.	"					

Chart of Position Numbers



GENERAL INFERENCE from observations received up to

9h. G.M.T.

The depression over the British Isles will move slowly north and become less deep. Changeable showery and cool weather is probable over England and Ireland, but in Scotland cloud and rain will be more persistent. The wind will be moderate or rather strong from S.W. or W. over the Southern half of the British Isles, but light and indefinite in Scotland. The outlook beyond Saturday is very uncertain but there is a chance of more settled weather over Southern England.

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of two millibars.
WIND.—Direction is shown by the arrow flying with the wind. Force, in knots, 0-12, is indicated by the number of feathers. Mean velocity is shown in feet per hour by figures in small circles.
TEMPERATURE.—Isobars are drawn at intervals of 1 degree.
WEATHER SYMBOLS.—
 ○ clear sky. ○ sky & clouds. ○ overcast sky. * snow. ▲ hail. T thunder. SEA DISTURBANCE.—Rough. High.

Districts. Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 9th July, 1920.

1. S.E. England	
2. E. England	Moderate S.W. wind; showery with bright intervals, clouds rather low; visibility good; cool
3. E. Midlands	
4. W. Midlands	Rather strong Westerly wind, moderating; showery, with bright intervals, visibility good; cool.
5. S.W. England	
6. South Wales	
7. North Wales	Rather strong westerly wind, moderating; cloudy, showery, clouds rather low; visibility fair to good; cool.
8. N.W. England	
9. N. Midlands	Moderate S.W. to W. wind; cloudy, showery, clouds rather low, visibility fair to good; cool.
10. N.E. England	Light to moderate Southerly wind; cloudy, showery, clouds rather low; visibility fair to good, cool.
11. E. Scotland	Light to moderate variable breezes; much low cloud, rain at times; visibility fair; cool.
12. S.W. Scotland	
13. Isle of Man	Same as 7 - 8.
14. N. & N.W. Scotland	
15. Hebrides	Same as 11 - 12.
16. Orkneys and Shetlands	
17. N.W. Ireland	Moderate N.W. wind, backing to N. cloudy, rain at times, improving somewhat; visibility fair to good; cool.
18. N.E. Ireland	
19. S.E. Ireland	Light to moderate Westerly wind; fine to cloudy, some showers; visibility good; cool.
20. S.W. Ireland	

Uncertain but there is a chance of more settled weather in the South of England

SYNOPTIC CHART FOR MORNING OF FRIDAY, 9th JULY, 1920

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



All times are G.M.T.

Add one hour to get Summer Time.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)

Visual range	Objects not visible at	50 metres (or yards)
1. Dense fog	"	200
2. Very bad	"	1,000
3. Bad	"	2,000
4. Fair	"	4,000
5. Good	"	7,000
6. Very good	"	12,000
7. Excellent	"	20,000
8. Exceptional visibility	"	30,000

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 191.

Friday
9th July

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

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.
Scotland.									England, N.W.								
Oban ...	a.c.d.	o.p.c.	61	43	-	7	3.3	0.0	Douglas (L.O.M.)	*	*	56	51	3	14	0.0	0.8
Banff ...	o.d.	m.o.	60	44	0.4	1	0.2	12.0	Blackpool ...	r	o.c.	67	54	12	0.3	4.6	0.4
Montrose ...	o.	o.	58	51	2	1	0.2	7.1	Southport ...	r.c. bc	c. bc. c.	66	53	7	-	6.0	0.1
St. Andrews ...	s.	s.	60	39	1	1	2.1	4.1									
England, N.E.									Midlands.								
Harrogate ...	c. bc. b.	b. o. e. bc	64	54	27	1	4.5	0.5	Buxton ...	bc. b.	bc. c. b.	60	49	2	2	5.3	0.2
Scarborough ...	o.p.c.	b	66	49	1	1	7.0	3.5	Leamington Spa...	cb	av. cb.	62	48	3	3	5.3	1
Skegness ...	bc. cb.	b. bc. o. c.	66	55	4	0.1	10.1	1.3	Malvern ...	c. bc. c.	c. o.	60	46	1	2	4.3	0.0
England, E.									Wales.								
Lowestoft ...	bc	bc. c.	65	57	8	-	10.0	0.5	Bath ...	o.p.c.	o.p. c.	60	48	1	4	2.1	1.6
Felixstowe ...	bc	c	64	56	1	-	11.3	0.0	Rhyl ...	bc	bc	66	52	6	-	7.8	0.9
Southend-on-Sea...	o.p. bc	bc. c.	65	53	2	0.4	6.5	0.0	Colwyn Bay ...	*	*	65	54	8	-	5.6	0.6
England, S.E.									Llandudno ...	*	*	64	53	6	-	5.8	0.6
Tunbridge Wells	bc. c.	o.p. o.	60	49	1	3	4.2	0.1	Aberystwyth ...	r. c. b.	bc. c.	63	49	1	-	8.0	3.5
Margate ...	b. bc. b.	b	66	53	-	0.2	10.5	0.2	Swansea ...	*	*	62	52	3	3	1.1	1.1
Ramsgate ...	*	*	64	53	1	-	10.8	0.1	Weymouth ...	ch. c.	ch. c.	64	53	3	1	5.5	3.5
Folkestone ...	c. bc. c.	o.p. c.	64	55	1	1	7.3	0.1	Teignmouth ...	o.	bc. bc	63	53	6	4	4.0	6.1
Hastings ...	bc. b.	bc. o.	63	55	0.4	2	6.7	0.0	Torquay ...	o.p. bc	bc. ch. r	63	53	6	4	4.2	4.4
Eastbourne ...	bc	o.p. o.	62	54	0.4	2	6.8	0.1	Paignton ...	bc. q.	bc. q.	65	51	10	1	8.0	5.6
Brighton ...	bc. c.	r. o. r	60	55	1	4	4.3	0.0	Penzance ...	c. bc.	bc. c.	63	50	12	-	5.0	6.4
Worthing ...	o.	c	61	55	0.3	1	5.6	0.1	Newquay ...	o.p. bc.	b. bc. c.	60	50	16	3	4.5	5.4
Littlehampton ...	o. c. q.	q. bc	62	54	2	3	4.0	0.0	Bude ...	ch. bc	bc. c.	61	50	1	1	4.5	5.2
Portsmouth (S. sea)	o.	bc	61	52	5	5	5.6	1.2	Ilfracombe ...	o. ch	c. o.	59	52	0.2	0.3	4.5	4.1
Bournemouth ...	*	*	60	52	5	10	2.5	2.7	Weston-s-Mare ...	r. c. bc.	d. r. c.	60	48	2	10	3.2	3.8
Ventnor (I. of W.)	*	*	59	50	4	3	3.9	0.7	Tenby (Wales)	bc. c.	h. bc	65	52	-	1	-	-

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sun.	
	7h-13h.	13h-18h.	Max. F.	Min. F.	Day. 7h-13h.	Night. 13h-17h.	Hours.	Hours.
Renfrew...	o.p. r.	h. p. o. f. bc	c. o. p.	o. f. g.	61	51	46	2.5
Eskdalemuir ...	o. p. r. f. g.	c. o. u. r. f. g.	bc. c.	o. p. c.	59	49	44	1.6
Valencia (Cahirciveen) ...	c. o.	bc. c.	bc. c.	bc. c.	59	52	51	6.4
Baldonnel ...	RR. o. f.	o. f.	o. f. r. v.	r. r. q.	56	49	-	2.9
Ross on Wye ...	c. o. p. r. f. g.	bc. c. u. l. h. t.	o. r. c. o. p.	o. p. o.	60	51	47	3.5
Didsbury ...	bc. c. h. o.	h. o. p.	b. o. r. p.	o. f. r. r. g.	66	52	48	Trace
Falmouth ...	c. o. p. bc.	bc. c.	b. bc. b.	b. bc.	63	52	50	7.6
Calshot (Hants) ...	c. o. q.	c. o. p. q.	c. o. c.	o. p. c.	61	54	50	1
Lympe (Folkestone) ...	c. o. q. c.	h. q. c. bc.	bc. c.	P. o. f. r. g.	63	53	49	3
Aberdeen ...	r. f. o. f.	h. d. o. f.	l. f. e. l. f.	o. f. g. f.	55	52	49	0.2
Howden ...	RR. bc. c.	r. v.	b. bc. w.	P. p.	66	52	48	6
Cranwell (Lincoln) ...	c. o. bc.	c. o. h.	c. o. bc.	c. o. o.	66	52	*	Trace
Felixstowe ...	b. bc.	b. bc. q. h.	b. bc. o.	c. o. bc.	68	56	*	*
Shoeburyness ...	h. o. bc. c.	bc. c.	bc. c.	b. bc. c.	67	53	50	0.1
Benson ...	RR. bc. c.	c. o.	o. r.	o.	61	49	44	7
S. Farnborough ...	c. o. r	r. f. q. o.	b. bc. p.	c. o. f. e.	62	49	45	3
London (Kew Obs.) ...	r. f. q.	q. h.	bc. c.	bc. c.	63	52	46	1
Croydon ...	c. o. q. f. v.	c. o. p. a.	c. o. p.	b. bc. p. f. g.	61	51	*	2

BEAUFORT NOTATION.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three quarters covered).
d drizzle, or fine rain.
e wet air without rain falling.
f fog. g gloom.
h hail. 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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
r.f. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

No.	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 1
1	1-3	0.5-1.5
2	4-7	1.6-3.0
3	8-12	3.1-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.7
7	32-38	13.8-16.7
8	39-46	16.8-19.7
9	47-54	19.8-22.7
10	55-63	22.8-25.7
11	64-75	25.8-30.7
12	Above 76	30.8 or above

SYMBOLS-

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

LONDON OBSERVATIONS.

	WEATHER.		TEMPERATURE.		Rainfall.		Sunshine to Sunset.		Humidity %	
	Morning.	Afternoon.	Night.	Max. F.	Min. F.	Min. on Grass. F.	Hours.	15 h. G.M.T.	9 h. G.M.T.	
24 HOURS ENDED ON G.M.T. 9th July										
							YESTERDAY.	TODAY.		
Greenwich (Royal Observatory)	op	op	o.bc	64	50	45	4	6.9	74	
City (Bunhill Row) ...	*	*	*	*	*	*	*	5.3	*	
Westminster (St. James's Park)	*	*	*	63	53	45	3	5.8	71	
.. (Admiralty Arch)	bc.o.m.q	cp.q	cp.q.bc	64	53	*	3	6.1	70	
Camden Sq. (British Rainfall)	bc.od	od	bc.or	66	51	48	3	*	68	
Kensington Palace ...	c	or	*	63	52	46	1	*	87 (18h)	
Hampstead Observatory ...	*	*	*	60	51	*	1	4.9	81	

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.
Total 1457 Joules.
Average Rate 24.7
Maximum Rate 84

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

9th July 1920			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	3.42	11.58	6.44
Greenwich	3.43	11.58	6.44
Wick	3.21	12.17	6.59
Valencia ...	4.33	12.46	7.59

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

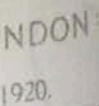
Minoris at Greenwich Observatory.

Exposure from 8.21 h. to 8.30 m.
to 9.21 h. to 9.30 m.

Stars.	Duration of Exposure.	Duration of Record.
Polaris	h m	b. m.
8 Ursae	5 0	3 18
Minoris	5 0	2 59

NOTES ON THE WEATHER OF YESTERDAY.

Some heavy falls of rain occurred, 20 mm at Eskdale, 18 at Donaghadee, and 15 at Tynemouth. Thunderstorms occurred locally. There were a number of quite good records of sunshine, as much as 10 to 12 hours in East Anglia and 8 or 9 hours at a few stations on the west coast of England. The temperature differed very little from that of the previous two days.



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. B.21,415 .. SATURDAY, 10th JULY...1920.

BRITISH SECTION.

No.B.21,415

...SATURDAY, 10th JULY...1920.

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‡ The barometric change is expressed in half millibars.

§ For code see page 3.

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 10. 1920.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers.				
				Position Number	Date	Time G.M.T.	Sea °F	Air °F
1. S.E. England	Fair to dull.	Good.	slight.	12	9 ^h	0330	53	54
2. E. England	Fair to dull.	"	smooth.	4	9 ^h	0300	54	56
3. E. Midlands	Cloudy or dull.	Fair.	-	8	9 ^h	0410	50	58
4. W. Midlands	Dull, local drizzle & mist.	"	-	6	9 ^h	0727	52	53
5. S.W. England	Dull, local rain & mist.	Indiff.	R. rough	6	9 ^h	1405	59	65
6. South Wales	Dull, with drizzle & fog.	Bad.	"	2	10 ^h	0055	54	54
7. North Wales	Dull, with drizzle & mist.	Poor.	moderate	7	10 ^h	0205	57	57
8. N.W. England	Dull, drizzling, local mist.	Indiff.	slight	4A	10 ^h	0215	55	54
9. N. Midlands	Cloudy or dull, local mist.	"	-	12	10 ^h	0300	53	55
10. N.E. England	Fair. Mist in North.	"	smooth					
11. E. Scotland	Fair to dull, misty.	V. poor.	"					
12. S.W. Scotland	Dull, local mist.	Fair.	"					
13. Isle of Man	Dull, drizzling, misty.	V. poor.	slight.					
14. N. & N.W. Scotland	Fair to dull, misty.	Poor.	smooth					
15. Hebrides	Fine to cloudy.	Fair.	Var.					
16. Orkneys and Shetlands	Fair, misty.	Poor.	smooth.					
17. N.W. Ireland	Dull, local rain.	Indiff.	"					
18. N.E. Ireland	Dull, misty, local rain.	V. poor.	"					
19. S.E. Ireland	Dull, local drizzle.	Fair.	slight.					
20. S.W. Ireland	Fair to cloudy.	Good.	"					

Chart of Position Numbers.

GENERAL INFERENCE from observations received up to 9h. G.M.T.

Depressions from the Atlantic are moving North-North-Eastward over our Western districts and spreading Eastward. Unsettled weather is still probable for two or three days, with a South-Westerly wind current and a low temperature for the time of the year.

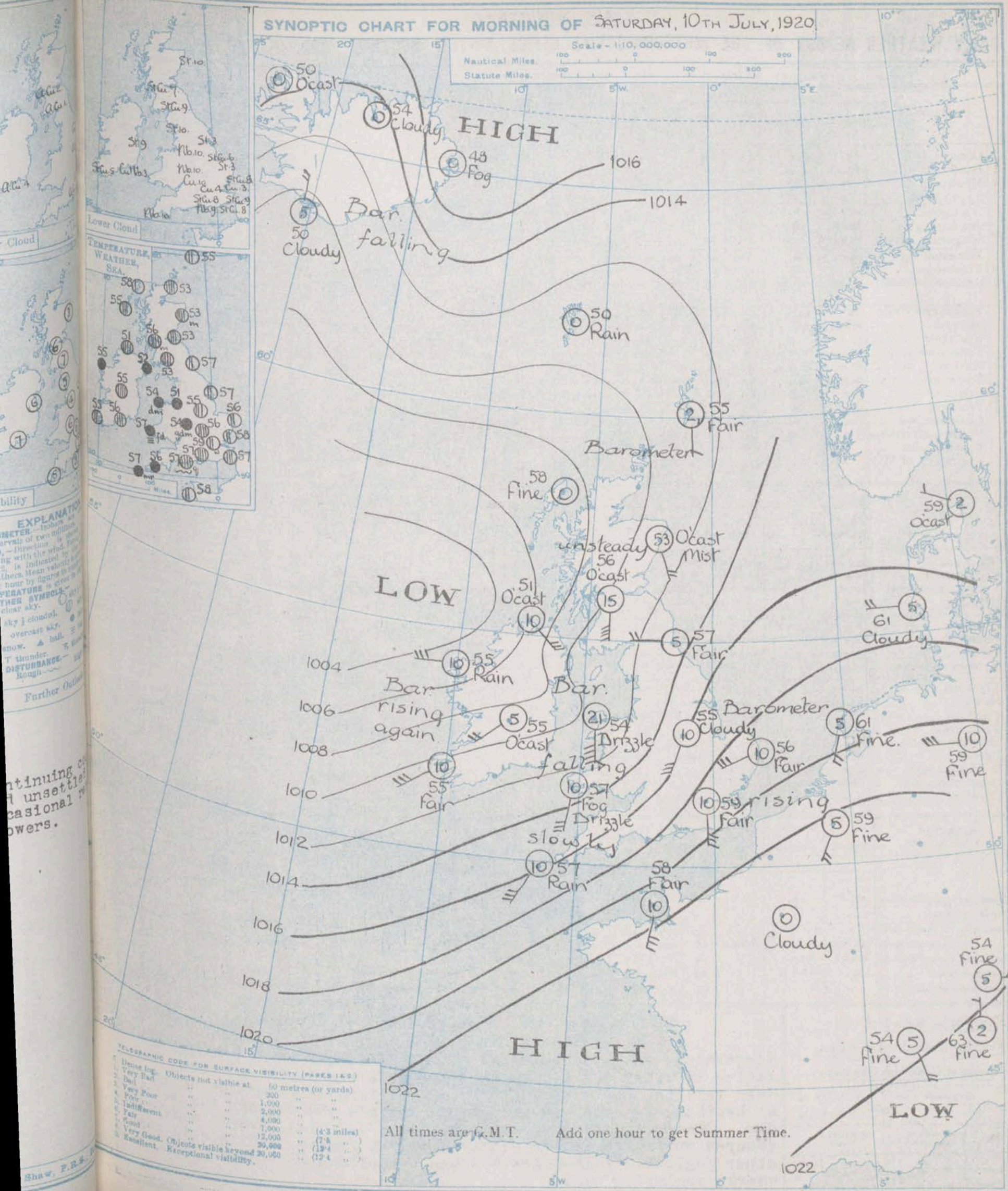
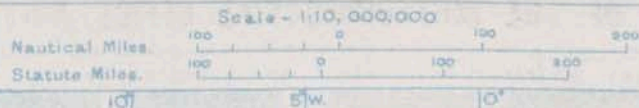
EXPLANATION
 BAROMETER.—Inches and tenths.
 WIND.—Direction by arrow, force by number.
 CLOUDS.—Amount by number.
 TEMPERATURE.—Inches and tenths.
 WEATHER SYMBOLS.—
 ☉ clear sky.
 ☁ sky & clouded.
 ☁ overcast sky.
 * snow. * hail.
 T thunder.
 SEA DISTURBANCE.—
 Rough.

Further Details

Continuing and unsettled weather with occasional showers.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 10th July 1920.
1. S.E. England	Wind between S. and S.W. moderate, fresh at times; cloudy or variable sky, some rain or showers. Visibility fair to good. Cool.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind S. or S.W. moderate, fresh locally, veering later: much cloud, rain or showers; some mist on coast, fairer later. visibility indifferent to good. Cool.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Wind Southerly, light to moderate. Becoming rainy in most places, then some improvement. Visibility fair. Cool.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Wind S.W. to W. light or moderate, fresh locally. Variable cloud, showery. Visibility fair or good. Cool.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Wind S.W. to W. light or moderate, fresh locally. Variable cloud, showery. Visibility fair or good. Cool.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

SYNOPTIC CHART FOR MORNING OF SATURDAY, 10TH JULY, 1920



TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)			
1	Very Good.	Objects just visible at	50 metres (or yards)
2	Good.	" "	200 "
3	Fair.	" "	1,000 "
4	Very Poor.	" "	2,000 "
5	Poor.	" "	4,000 "
6	Indifferent.	" "	1,000 "
7	Fair.	" "	2,000 "
8	Good.	" "	4,000 "
9	Very Good.	" "	12,000 "
10	Excellent.	Objects visible beyond	20,000 "
11	Exceptional visibility.		20,000 "

All times are G.M.T. Add one hour to get Summer Time.

Add one hour to get Summer Time.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 192.

Saturday
10th July

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 9 th																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sun- set.			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sun- set.
Scotland.	Oban ...	c	c.o.	65	50	-	-	3.6	5.7	England, N.W.	Douglas (I.O.M.)	x	x	58	50	-	1	1.9	0.0
	Banff ...	bc.c.	c.bc	63	51	1	-	6.2	1.4		Blackpool ...	o	ck	62	52	1	1	1.7	4.7
	Montrose ...	ov	of	58	50	-	5	2.4	1.0		Southport ...	o.c.o	ck.o	59	52	5	0.1	0.6	6.7
	St. Andrews ...	*	*	58	48	4	1	2.5	2.5										
England, N.E.	Harrogate ...	c.bc.c.	c.o.c.	62	51	4	0.2	2.0	7.4	Midlands.	Buxton ...	r.bc.	ck.r	57	49	9	2	0.4	6.1
	Scarborough ...	bc.c.	ck	63	52	0.3	2	2.8	8.6		Leamington Spa ...								
	Skegness ...	o.bc	c.o	64	54	-	-	8.4	11.3		Malvern ...	o.c.	c.o	62	51	10	0.2	2.4	4.3
England, E.	Lowestoft ...	bc.c.	ck	69	53	4	-	7.5	10.7	Wales.	Bath ...	o.c.bc.	b.bc.c.o.	63	52	3	-	5.4	2.4
	Felixstowe ...	c	og	69	58	-	-	7.5	12.5		Rhyl ...	p.c.	ck	61	52	1	2	0.2	8.2
	Southend-on-Sea...	c.bc	ck.bc	66	52	1	0.1	6.1	6.8		Colwyn Bay ...	*	*	60	54	1	2	0.0	6.0
England, S.E.	Tunbridge Wells	b	bc.c.	65	52	2	1	7.0	5.0	England, S.W.	Llandudno ...	r	r.f.	61	53	1	3	1.0	6.0
	Margate ...	c.b.bc	b.f.c	69	53	0.3	0.1	5.9	11.5		Aberystwyth ...	r.o	c.bc	59	53	3	-	1.5	8.0
	Ramsgate ...	*	*	68	53	1	-	7.2	12.2		Swansea ...	*	*	62	54	-	-	5.6	1.7
	Folkestone ...	r.o.c.	c.o.o	65	54	3	4	7.1	7.3		Weymouth ...	ck.c.	c	66	54	4	0.2	6.9	5.6
	Hastings ...	ov.bc	bc.b.bc	64	55	4	0.3	7.4	6.7		Teignmouth ...	bc.c.	bc	65	53	1	-	5.3	4.6
	Eastbourne ...	bc.f.bc	bc	64	54	14	0.2	9.6	7.0		Torquay ...	c.o.bc	bc.c.bc	64	53	-	-	7.8	8.1
	Brighton ...	bc	bc	64	55	7	-	8.9	4.7		Paignton ...	bc	bc.cq	66	51	-	-	7.4	5.1
	Worthing ...	bc	bc	64	54	6	-	9.5	5.9		Penzance ...	c.bc	bc.c.	62	53	6	-	8.4	8.0
	Littlehampton ...	bc	bc	62	54	3	-	8.4	4.3		Newquay ...	b.bc.c.	bc.b.bc.	60	54	-	0.1	8.5	5.1
	Portsmouth (S'issea) ...	*	*	64	53	2	-	7.1	6.1		Bude ...	o	b	62	55	0.2	-	5.7	4.5
	Bournemouth ...	*	*	66	53	14	1	8.5	3.5		Ilfracombe ...	o.c.bc	c.o.c.	60	55	7	-	6.0	2.9
	Ventnor (I. of W.)	*	*	61	50	1	-	7.5	3.9		Weston-s-Mare ...	c.bc.b.	b.bc.c.	63	55	4	-	5.5	4.5
												Tenby (Wales)	bc.c.	bc	62	52	0.3	-	7.8	3.2

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.	Used only for surface observations.						
	7h-13h.	13h-18h.	18h-24h.	1h-7h.				Day. 7h-18h.	Night. 18h-7h.		No.	Limits of Velocity at about 30 feet above ground.					
												Statute miles per hour.	Metres per second.				
Renfrew...	o.f. th.	o.f. f.	o.f. g.o.f.	b.c.c.	62	50	43	7	0.2	1.1	b	Less than 1	Less than 0.5				
Eskdalemuir ...	o.f. t.	c.o.f.	b.c.c.o.	p.c.o.	57	49	42	4	0.1	3.3	b	1-3	0.3-1.5				
Valencia (Cahirciveen) ...	c.o.	o.r.v.	rr.pd.	d.d.bcc	58	53	51	1	5	2.1	bc	4-7	1.6-3.3				
Baldonnel ...	h.v.	c.o.	c.o.	rr.c.	64	50	44	3	3	1.6	bc	8-12	5.4-7.9				
Ross on Wye ...	g.o.c.g.	o.c.o.	c.o.u.	r.p.d.	64	52	48	-	trace	1.8	c	18-18	8.0-10.7				
Didsbury ...	o.f. rr.	o.f. rr.	e.o.	o.f.p.d.	63	49	48	3	Trace	4	d	19-24	10.8-13.8				
Falmouth ...	b.c.c.	o.f.c.o.	c.o.	o.f.	62	54	52	1	7	4.7	d	25-31	13.9-17.1				
Calshot (Hants) ...	b.c.c.	o.f.c.g.	b.c.c.	b.c.c.	63	55	52	-	-	6.2	d	32-38	17.2-20.7				
Lympne (Folkestone) ...	o.f.f.f.g.	b.c.c.o.	b.c.c.	p.c.o.	64	50	48	5	Trace	7.4	d	39-46	20.8-24.4				
Aberdeen ...	h.o.f.	o.f. f.	o.f. o.f.	o.f. o.f.	60	51	49	-	-	3.6	rs	47-54	24.5-28.1				
Howden ...	h.o.g.	o.f. f.	r.b.c.	b.c.c.	63	48	46	-	-	2.4	rs	55-63	28.5-32.5				
Cranwell (Lines) ...	c.o.p.	h.o.	c.o.b.c.	b.b.c.	62	54	52	1	-	4.5	s	64-75	32.5-39.5				
Felixstowe ...	b.c.c.	b.c.c.b.c.	b.c.c.	b.c.c.	63	54	52	2	6	-	s	Above 75	33.6 or above				
Shoeburyness ...	b.c.c.o.	h.o.b.c.	b.b.c.	b.c.c.	67	52	49	0.2	-	5.7	a						
Benson ...	b.c.c.	b.b.c.b.	b.b.c.	b.c.c.o.	67	49	44	2	-	-	v						
S. Farnborough ...	h.o.	b.c.c.	b.b.c.b.	b.c.c.o.	67	50	44	1	-	7.6	v						
London (Kew Obs.) ...	c.o.b.c.	c.a.b.c.	b.c.c.	b.c.c.w	66	53	46	Trace	-	7.4	w						
Croydon ...	h.o.c.o.	c.o.	b.c.c.f.	c.o.b.c.f.	62	51	48	0.3	-	4	y						
											Capital letters indicate intensity, and repetition of letters continuity, thus:- R = heavy rain, rr = continuous moderate rain, r.r. = continuous light rain.						

LONDON. OBSERVATIONS.										SOUTH KENSINGTON (Meteorological Office).										TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.											
Morning.		WEATHER.		Night.		Max. Temp. 'F.		Min. Temp. 'F.		Min. on Grass 'F.		Rain- fall. mm.		Sun- shine to Sunset Hours.		Humidity %															
																15 h. G.M.T.		9 h. G.M.T.													
24 HOURS ENDED 10 th G.M.T. 10 th										YESTERDAY		TODAY.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.		10 th & 11 th July 1920.															
														Total 1464 Joules.		Stations.		Sunrise.		Noon.		Sunset.									
																G.M.T.		G.M.T.		G.M.T.											
Greenwich (Royal Observatory)										op.o		op.o		c.b.c.b.c		69		51		44		-		7.5		57		67		8.14	
City (Bunhill Row) ...										*		*		*		66		53		45		-		6.9		57		67		8.13	
Westminster (St. James's Park)										*		*		*		66		53		45		-		6.1		59		69		8.14	
" (Admiralty Arch)										bczbcq		eq.bcq		b.b.c		68		54		47		-		7.7		61		66		8.13	
Camden Sq. (British Rainfall)										bc.cbc		bc.c		*		69		51		47		-		7.7		61		66		8.13	
Kensington Palace ...										c		c.b.c		*		67		52		46		-		7.1		61		66		8.13	
Hampstead Observatory ...										*		*		*		66		51		44		-		7.5		57		67		8.14	

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

Exposure from 9^h 21^m 30^s to 10^h 2^m 39^s

Stars.	Duration of Exposure.		Duration of Record.		
	h.	m.	h.	m.	%
Polaris	5	0	4	35	92
δ Ursae	5	0	3	54	78
Minoris					

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to above 65° at many stations in the South, but failed to reach 60° at several places in the North and North West. Rain fell in nearly all districts, the largest amount being 14 mm at Lerwick. In the S.E. and S. of England the weather was mainly dry. Thunderstorms occurred locally in Scotland. Bright sunshine records were high in the Hebrides and at Jersey, and fair in many other regions. In N.Wales and the N.W. of England the day was nearly sunless.

* Information for these columns not usually received.

LONDON:
1920.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. B. 3419 SUNDAY, 11th JULY 1920.

TEMPERATURE	Max.	Min.
79	84	70
86	91	74
88	95	77
90	97	79

Weather.

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OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 15H AND 18H.

STATIONS.	13H. G.M.T. 10 ^h										18H. G.M.T. OF 10 ^h									
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather.	Temp. °F.	Humidity %	Visibility 0-9.	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. mb.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather.	Temp. °F.
Renfrew	1008.7	-2	S	4	o	59	85	6	2000	st.cu	9	-	-	-	1008.7	+1	SW	4	c	59
Eskdalemuir	1010.0	-2	SSW	4	o	54	92	5	2000	Nb	10	-	-	-	1010.1	+1	SSW	4	c	55
Valencia (Cahire'n)	1010.8	0	SW	5	c	59	85	5	2000	cu	8	-	-	-	1012.1	+2	SW	4	bc	59
Baldonnell	1009.1	-1	SW	4	c	65	65	8	3000	st.cu	5	A.cu	3	-	1010.7	+3	SW	3	o	60
Ross on Wye	1014.6	-1	SW	4	opd	60	92	7	1250	Nb	10	-	-	-	1014.5	0	WSW	4	c	62
Didsbury	1012.5	-1	S	5	OR-3f	58	92	3	1250	Nb	10	-	-	-	1012.4	0	SSW	2	c	62
Falmouth	1015.7	+1	WSW	5	adom	61	85	4	-	Nb	10	-	-	-	1016.8	+2	WSW	3	bc	60
Calshot (Hants)	1019.0	0	SSW	5	or	58	92	7	750	st.	10	-	-	-	1018.0	-1	SW	5	od	59
Lymington (Folkestone)	1019.5	0	SSW	5	cq	61	65	8	2000	st.cu	2	Ci.st	5	-	1019.6	0	S	3	oro	59
Aberdeen	1010.8	0	S	4	oif	58	75	6	-	cu	5	A.cu	5	3	1009.9	-2	SSE	3	bczse	57
Howden	1013.6	-2	S	4	ado	58	92	7	1250	st.	10	-	-	-	1013.0	-1	S	4	or	60
Cranwell (Lincs)	1015.9	-1	S	4	oro	58	94	6	1250	Nb	10	-	-	-	1015.2	0	S	5	o	60
Felixstowe	1019.2	-1	SSW	5	o	64	55	7	4200	st.cu	9	-	-	-	1019.2	0	S	5	o	61
Shoeburyness	1018.8	0	SW	5	bc	66	65	7	4200	st.cu	2	Ci	3	-	1018.7	0	SW	4	o	61
Benson	1016.7	0	S	4	or	59	92	3	-	Nb	10	-	-	-	1016.6	0	SSW	2	o	58
S. Farnborough	1018.1	0	SSW	5	oro	59	85	7	1250	Nb	10	-	-	-	1017.4	-1	SW	5	odo	58
London (Kew Ob.)	1018.5	-1	SSW	4	oro	61	75	8	3000	st.cu	8	A.st	2	-	1017.6	-1	SSW	4	odo	61
Croydon	1018.9	0	SSW	6	o	59	85	8	3000	st.cu	10	-	-	-	1018.6	-1	SW	5	oro	51
Renfrew	1011.8	+1	SSW	4	oif	53	85	6	-	st.	10	-	-	-	1011.0	+1	SSW	4	o	55
Eskdalemuir	1013.6	0	SW	2	bcu	55	*	*	*	*	*	*	*	0	1012.6	+2	S	4	o	53
Valencia (Cahire'n)	1012.7	+1	WSW	3	bc	51	92	5	2000	st.	10	-	-	-	1013.3	0	S	3	c	56
Baldonnell	1012.7	+1	WSW	3	bc	51	92	5	2000	st.	10	-	-	-	1013.5	+1	SW	4	oq	54
Ross on Wye	1016.7	+2	WSW	3	o	58	85	7	3000	st.cu	10	-	-	-	1016.7	+2	WSW	3	o	58
Didsbury	1015.2	0	S	3	o	56	85	8	4200	st.cu	7	A.st	2	-	1015.2	0	S	3	o	56
Falmouth	1018.0	+1	SW	3	b	55	92	6	-	Nb	3	-	-	-	1018.0	0	SW	3	c	56
Calshot (Hants)	1019.5	0	SW	3	od	58	97	7	750	st.	10	-	-	-	1019.0	+2	SW	3	c	59
Lymington (Folkestone)	1019.2	0	SW	3	oif	57	94	6	1250	st.	9	-	-	-	1019.2	0	SW	4	od	58
Aberdeen	1014.7	+1	SW	1	c	55	97	5	2000	st.	6	A.st	2	-	1010.7	+1	SSW	3	c2	57
Howden	1015.9	0	SSW	2	bc	56	92	5	3000	st.	3	A.st	2	-	1015.2	0	SSW	3	bc	57
Cranwell (Lincs)	1018.9	0	SSW	2	bc	59	75	6	3000	st.	2	A.st	3	-	1016.8	+2	SW	3	bc	59
Felixstowe	1018.9	0	WSW	1	OR-3f	58	85	5	2000	cu	10	-	-	-	1018.9	0	WSW	1	OR-3f	58
Shoeburyness	1017.8	+1	SSW	1	b	58	85	6	-	-	-	-	-	-	1017.8	+1	SSW	1	b	58
Benson	1018.3	+1	WSW	3	c	57	92	8	2000	cu	6	-	-	-	1018.3	+1	WSW	3	c	57
S. Farnborough	1018.6	+1	SSW	2	bc	59	92	8	2000	st.	8	-	-	-	1018.6	+1	SSW	2	bc	59
London (Kew Ob.)	1019.1	+1	SW	1	c	57	92	8	2000	st.	8	-	-	-	1019.1	+1	SW	1	c	57
Croydon	1019.1	0	SW	3	bcif	56	92	7	2000	st.	2	A.st	3	-	1019.1	+1	SW	1	c	57

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. mb.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.	
		°F.	Direc.		Force 0-12.	Temp. °F.	Change in 3 hours.	Direc.	Force 0-12.	Max. °F.					Min. °F.	Morning.	Afternoon.	Night.			
18H. G.M.T. of 10 ^h					7H. G.M.T. of 11 ^h								24 HOURS ENDED 7H. 11 ^h						10 ^h		
Lerwick	1012.1	59	SSE	3	bc	1008.1	-2	55	0	NE	3	-	om	2	0.1	60	50	cm	cm	bcm	*
Stornoway	1006.6	56	SE	1	or	1006.6	+1	55	-3	SSE	3	-	op	2	2	62	53	b.o	or	op	5.4
Castlebay(Barrals)	1005.6	55	SSW	4	om	1006.6	0	55	0	S	4	-	o	1	57	53	c.or	r.om	om.opo	1.0	
Malin Head	1005.6	55	SW	2	or	1008.0	0	55	+4	SW	3	SW	bcm	3	4	59	50	ch	ch	c	1.7
Blacksod Point	1006.3	59	SW	4	bc	1009.6	+3	53	-2	WSW	2	-	cp	2	3	61	48	bcp	bcp	op	*
Roche's Point...	1012.2	59	SW	3	c	1014.8	0	55	-1	SW	2	-	o	2	0.2	61	52	c.be	bac	bw.o	*
Birr Castle	1010.0	62	SW	1	c	1013.1	0	55	0	SW	1	-	c	1	1	62	51	c	cp	c.o	7.0
Donaghadee	1008.9	60	SSW	2	bcp	1011.9	+1	53	+1	SW	2	SW	bcm	1	5	63	50	om	cmp	bcp	*
Liverpool(Bidston)	1011.8	63	SW	4	bc	1014.7	+1	56	+5	SSW	2	-	b	2	3	66	51	op	pbc	bcd	4.9
Holyhead	1011.0	58	SW	6	bq	1014.5	+2	56	+2	SW	5	-	bq	1	1	61	52	opdfb	bq	?	9.6
Pembroke (St. Ann's Head)	1015.0	57	SSW	4	c	1016.7	0	56	-1	SW	2	SW	b	4	5	60	54	ofro	bc	c.bc	5.4
Scilly (St. Mary's)	1017.3	58	WSW	2	c	1018.0	0	57	0	WSW	2	W	c	4	3	62	55	ode	c	cp	4.2
Jersey (St. Aubin)	1019.9	61	SSW	3	o	1019.8	0	59	+1	SSW	3	-	o	3	5	65	57	bc.op.o	gp.og	ogpo	3.0
Portland Bill	1017.5	57	SW	5	ogr	1018.0	0	57	0	SW	3	SW	c	4	11	63	55	ogr	ogr	ore	*
Dungeness	1019.1	61	SSW	3	c	1018.9	0	60	+3	SW	4	SW	c	4	-	64	49	bc	bcc	c.a.c	*
Wick	1007.9	56	S	2	cm	1008.1	?	54	+1	SSW	2	-	cm	1	-	58	50	om.cm	cm	cm.oms	*
Nairn	1007.1	52	SE	1	c	1008.6	*	55	0	-	0	-	cg	1	2	64	48	bccg	cgp	pro	4.1
Leith	1008.8	58	SSW	1	c	1010.9	0	58	+5	SW	1	SW	c	1	3	64	52	cm.opc	cm.p.o.c	cc.c.c.c	*
Tynemouth	1010.0	61	SW	3	bcmp	1002.4	+1	57	0	SW	3	-	bcm	2	1	62	52	bap	bcmp	bcm	*
Spurn Head	1014.8	60	SSW	5	oq	1015.7	0	58	+1	WSW	4	-	bc	3	0.3	63	54	bc	oq	o	*
Falmouth (For stations)	1017.4	62	SW	4	m	1017.8	0	59	+3	WSW	3	-	or	2	0.4	68	56	bcpw	cpzcp	czp.bc	7.8
Clacton-on-Sea	1018.7	61	SW	4	c	1018.7	0	58	0	SW	2	-	ogr	0	2	65	57	bcp	cp	c.ogr	5.3
Nottingham	1014.0	61	SSW	3	q	1016.5	*	59	+4	SW	2	SW	c	5	5	62	53	c.or	op	op.c	0.2

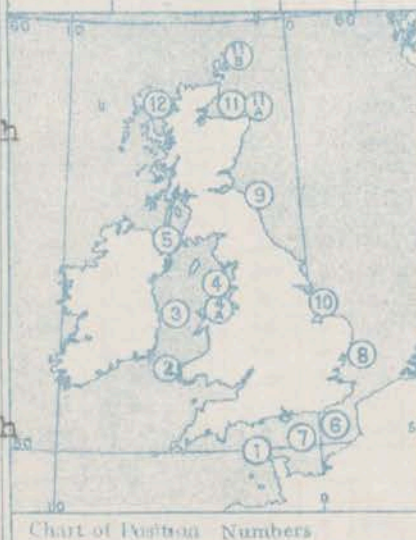
* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

§ For code see page 3.

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 11.7.1920.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers.				
				Position Number.	Date	Time G.M.T.	Sea °F	Air °F
1. S.E. England	Dull, local rain & drizzle.	Good.	Smooth					
2. E. England	Dull, rainy.	Fair.	"					
3. E. Midlands	Fair.	"	-					
4. W. Midlands	Dull.	V. Good.	-					
5. S.W. England	Dull.	Good.	Mod.					
6. South Wales	Fine.	"	"					
7. North Wales	Fine, squally.	"	"					
8. N.W. England	Dull.	V. Good.	"					
9. N. Midlands	Fair.	Good.	-					
10. N.E. England	Fair, misty.	Fair.	Smooth.					
11. E. Scotland	Dull, misty, gloomy.	"	V. Smooth					
12. S.W. Scotland	Dull.	Good.	"					
13. Isle of Man	Fair, misty.	"	Slight					
14. N. & N.W. Scotland	Dull, showery.	Fair.	"					
15. Hebrides	Dull, showery.	"	"					
16. Orkneys and Shetlands	Dull, misty.	"	Smooth.					
17. N.W. Ireland	Showery.	"	"					
18. N.E. Ireland	Fair, misty.	Good.	V. Smooth					
19. S.E. Ireland	Dull.	"	Smooth					
20. S.W. Ireland	Dull.	V. Good.	Slight.					



Upper Cloud

Visibility

Chart of Position Numbers

GENERAL INFERENCE from observations received up to 9h. G.M.T.

The depression to the West of the Hebrides is moving very slowly Northwards but there is still a tendency for the formation of slight secondaries over the British Isles. Cool and rather cloudy weather is probable with some showers in most districts, the wind remaining moderate from South or South West.

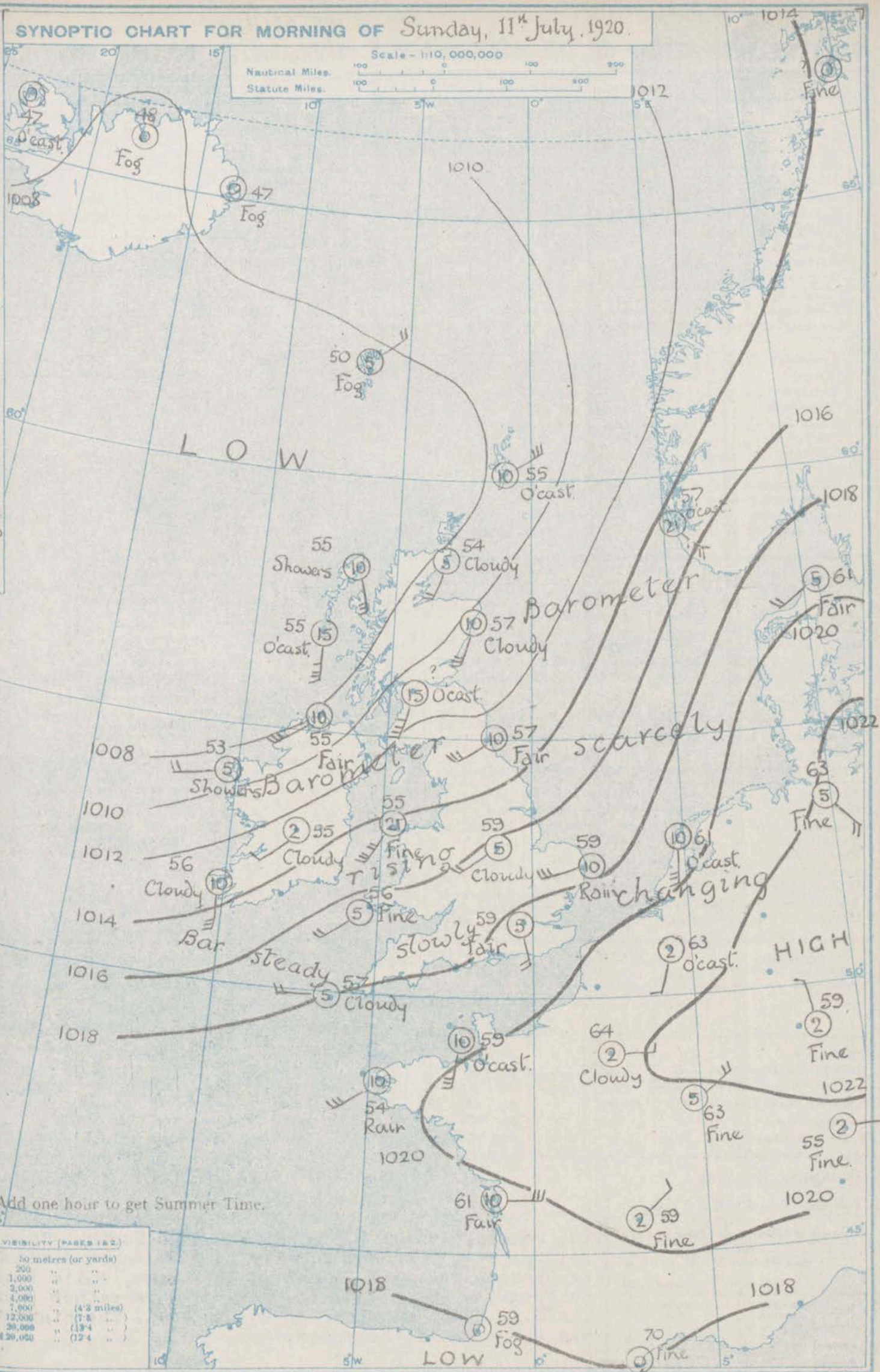
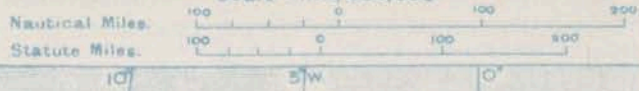
EXPLANATION.
BAROMETER.—Isobars are shown at intervals of two millibars.
WIND.—Direction is shown by a line lying with the wind. Force, in knots, 0-12, is indicated by the number of feathers. Mean velocity is shown in per hour by figures in small circles.
TEMPERATURE.—Isobars are shown at intervals of two millibars.
WEATHER SYMBOLS.
 ○ clear sky. ○ sky & clouds. ○ overcast sky. * snow. △ hail. T thunder. Z thunder. SEA DISTURBANCE.—High waves. Rough. High waves.

Farther Outlook

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 11th July, 1920.
1. S.E. England	Moderate S.W. wind; mainly cloudy, but bright intervals; clouds low; occasional showers; visibility fair to good; temperature normal.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	Moderate S.W. wind; much low cloud; some bright intervals; passing showers; visibility fair; temperature normal.
8. N.W. England	
9. N. Midlands	Same as 1 - 6.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Same as 7 - 8.
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	Moderate S.E. to S. wind; much low cloud, some showers; visibility fair; temperature normal.
16. Orkneys and Shetlands	
17. N.W. Ireland	Same as 1 - 6.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

None issued.

SYNOPTIC CHART FOR MORNING OF Sunday, 11th July, 1920



EXPLANATION.

— Isobars are drawn at two millibars interval.
Direction of wind Force indicated by arrows.
Mean velocity is shown by figures in small circles.
Pressure given in hectopascals.

SYMBOLS:

☉ sky clear
☁ partly cloudy
☂ rain
☔ hail
⚡ thunder

RANGE. — High pressure area
Low pressure area

further Outlook.

issued.

All times are G.M.T.

Add one hour to get Summer Time.

15			
TELEGRAPH CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)			
Objects not visible at			
	50 metres (or yards)		
Very fog	250		
Fog	1,000		
Indifferent	2,000		
Fair	4,000		
Good	7,000		(4.3 miles)
Very Good	12,500		(7.8 ..)
Excellent	20,000		(12.4 ..)
Exceptional visibility			

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 193...

Sunday

11th July

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h. 9-10°	Day. 10h-17h. 10°	to 17h. 10°	Sunrise to Sunset. 9°		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h. 9-10°	Day. 10h-17h. 10°	to 17h. 10°	Sunrise to Sunset. 9°
Scotland.									Douglas (I.O.M.)			59	50	11	1	2.4	1.9
Banff ...	b.b.c.c.	o.c.	65	52	-	-	5.0	9.2	Blackpool ...	op	bc	64	51	2	2	4.1	0.6
Montrose ...	o	o.of	59	48	0.2	-	1.2	2.4	Southport ...	o.c.o	ov.cbc	66	50	2	2	2.7	0.6
St. Andrews ...																	
England, N.E.									Buxton ...	bc.ovr	cr.cbc	57	45	6	1	0.0	0.4
Harrogate ...	b	o	65	51	-	4	2.8	3.3	Leamington Spa...	r	ro	62	50	4	4	0.0	2.4
Scarborough ...									Malvern ...								
Skegness ...									Bath ...	r	r.ccp	64	53	2	6	0.9	
England, E.									Rhyl ...								
Lowestoft ...	bc	ogu	66	54	-	-	6.3	8.1	Colwyn Bay ...								
Felixstowe ...	bc	bc.cop	65	51	-	0.3	5.0	6.9	Llandudno ...	o.c	bc	65	52	1	0.1	5.2	1.0
Southend-on-Sea...									Aberystwyth ...	r.vg	cr.c	61	52	3	10	4.0	1.5
England, S.E.									Swansea ...								
Tunbridge Wells	c.b.c.c.	c.o.od	63	50	-	-	3.3	7.6	Weymouth ...	or	ro	61	54	0.4	10	0.0	7.8
Margate ...	b.b.c.c.b	bc.c	66	53	-	-	7.0	7.7	Teignmouth ...								
Ramsgate ...			62	50	-	-	7.2	8.5	Torquay ...	orm	cr	62	55	1	7	0.3	8.1
Folkestone ...			65	54	-	-	6.8	8.7	Paignton ...	or	ocp.c	63	53	4	4	0.2	7.6
Hastings ...	c.b.c	bc.o	64	54	-	-	4.8	9.2	Penzance ...	ord	od.bc	62	56	16	1	2.5	
Eastbourne ...	bc.b	r	58	55	-	-	5.1	10.8	Newquay ...								
Brighton ...									Bude ...								
Worthing ...	obc	or	63	55	-	1	3.1	10.9	Ilfracombe ...	or	r.p.c	62	55	11	3.7	2.5	6.5
Littlehampton ...	o.c	rm	61	55	-	2	2.0	8.9	Weston-s-Mare								
Portsmouth (S'lysea)			61	55	-	2	0.7	8.6	Tenby (Wales)	r	c.b.c	62	52	6	2	3.7	7.6
Bournemouth ...			59	53	1	5	0.0	9.5									
Ventnor (I. of W.)			61	54	-	2	0.1	8.6									

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	7h-13h. 10°	13h-19h. 10°	Max. °F.	Min. °F.	Day. 7h-13h. 10°	Night. 13h-19h. 10°	Hours	Hours
Renfrew	crs	c.p.h.	c.op	c.op	62	52	49	3.5
Eskdalemuir ...	af.vr.or	o.f.c.c.	o.f.o	o.c.o	57	50	49	2.1
Valencia (Cahirciveen) ...	bc.o.p.o	bc.c	b.b.c.d	c.o.p.3fe	61	54	51	6.9
Baldonnel ...	oq	cq	bc.c	c.b	67	50		
Ross on Wye	gr.o.frr	bc.c.p	bc.c	c.o	65	53	48	2.5
Didsbury ...	o.f.p.d	o.f.r	bc.c	c.o.f	63	47	40	1.3
Falmouth ...	rr.d.d.c	c.o.b.c	bc.c	bc.c	62	54	52	2.2
Calshot (Hants) ...	o.f.r	o.f.r.d.c	ovr	ovr	61	56	55	1.1
Lympne (Folkestone) ...	c.o.p.c	o.v.c.c	o.f.p.d	o.f.p.d	62	54	54	6.9
Aberdeen ...	o.f.e	o.f.z.f	o.f.z.f	z.f.e.f	62	52	42	5.0
Howden ...	o.f.q	rr.o.f	o.f.b.c	bc.c.o	61	54	52	2.5
Cranwell (Lincs) ...	o.f.vr	o.f	c.o.b.c	c.o.b.c	61	53		2.5
Felixstowe	bc.c	c.o.p	o.f	o.f				
Shoeburyness ...	bc.c.b.c	cr	o.p	o.f.vr	69	57	55	5.6
Benson ...	bc.c	b	b.b.c	bc.c	60	53	50	0.6
S. Farnborough	ovr	rr.d.d	c.o.b.c	b.b.c.vr	61	55	52	0.1
London (Kew Obs.)	crs	rr.d.d	o.d.d.b.c	bc.c.v	63	57	53	1.7
Croydon	c.o.p	o.p.p.d	o.f.p.d	o.f.vr	62	56	54	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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
r.f. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.0
2	4-7	1.0-2.0
3	8-12	2.0-3.0
4	13-18	3.0-4.0
5	19-24	4.0-5.0
6	25-31	5.0-6.0
7	32-38	6.0-7.0
8	39-46	7.0-8.0
9	47-54	8.0-9.0
10	55-63	9.0-10.0
11	64-75	10.0-12.0
12	Above 76	12.0 or above

SYMBOLS.

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

LONDON OBSERVATIONS.

	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		HUMIDITY %	
	Morning.	Afternoon.	Max. °F.	Min. °F.	mm	mm	Hours.	Hours.	15 h. G.M.T.	9 h. G.M.T.
	24 HOURS ENDED 11 th JULY 1920.									
Greenwich (Royal Observatory)	o	o	67	55	52	2	2.8	78	68	
City (Bunhill Row) ...										
Westminster (St. James's Park)	o.d	o.or	65	57	51	2	2.0	69	69	
(Admiralty Arch)	c.z.p.p	o.p	65	57	51	2	2.0	77	67	
Camden Sq. (British Rainfall)	c.o	c.o.b.c	67	57	53	2		53	71	
Kensington Palace ...	o	o	64	56	53	2		89 (18h)	74	
Hampstead Observatory ...	bc.op	op	61	54		2	2		74	

SOUTH KENSINGTON (Meteorological Office).

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

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

Stations.	11 th & 12 th July 1920.	
	Sunrise.	Noon.
Yarmouth...	3.44	11.58
Greenwich	3.45	11.59
Wick	3.23	12.17
Valencia ...	4.35	12.46

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 10^h 21^m 30^s to 11^h 2^m 30^s

Stars.	Duration of Exposure.		Duration of Record.	
Polaris	h	m	h	m
8 Ursae	h	m	h	m
Minoris	h	m	h	m

NOTES ON THE WEATHER OF YESTERDAY.

Temperature exceeded 65° in some places in the South, but remained below 60° locally in the North. Rain or showers fell generally except locally in S.E. England and N.E. Scotland. Manchester had 13mm, Portland Bill 11mm, while Penzance had 16mm on Friday night. Sunshine records were rather poor, except on the S.E. Coast and locally in the West. The highest measurement was 9.6 hours at Holyhead.

020.

TEMPERATURE.

Max. F.	Min. F.
84	63
74	66
86	60
8	65
84	63
88	63
81	68
79	61
81	73
95	70
91	76
101	73
90	72
97	

Weather.

Sea.

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Nor-
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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 3147

Monday, 12 July

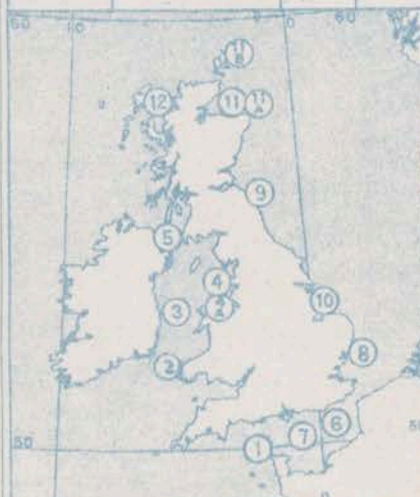
1920.

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

STATIONS.	13H. G.M.T. 11 ^h											19H. G.M.T. OF 11 ^h															
	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. Form.	Upper Cloud. Form.	Sea 0-10.	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. Form.	Upper Cloud. Form.	Sea 0-10.			
	mb.												mb.														
Renfrew	1012.0	0	SSW	4	c	62	65	8	2000	Cu	7	-	1012.0	-1	SW	4	0	60	75	8	2000	Cu	9	-	-		
Esdailemuir	1013.4	71	SSW	5	0	57	85	7	2000	StrCu	10	-	1013.4	0	SSW	4	0	58	75	8	2000	Cu	5	-	2		
Valencia (Cahire'n)	1012.2	-1	S	4	ov	58	85	8	1250	StrCu	7	As	3	3	1008.8	-4	S	4	ov	55	92	7	1250	StrCu	10	-	3
Baldonnel	1013.1	-2	SW	4	ov	62	65	7	3000	StrCu	7	As	2	2	1011.9	0	SSW	4	0	57	85	7	3000	StrCu	3	As	7
Ross on Wye	1016.5	11	W	3	0	64	65	7	4200	StrCu	10	-	1015.6	-2	W	3	0	63	75	9	3000	StrCu	10	-	-		
Didsbury	1015.1	0	SSW	4	02	64	75	7	3000	StrCu	9	-	1014.9	-1	S	3	0	63	65	8	4200	Cu	5	As	4		
Falmouth	1014.3	-1	SW	4	c	65	75	8	-	Cu	7	-	1016.5	-2	SSW	2	c	60	85	8	-	Cu	8	-	-		
Calshot (Hants)	1018.6	71	SW	3	od.	61	92	5	1250	StrCu	2	?	1017.7	-1	SSW	3	0	60	97	6	750	StrCu	10	-	3		
Lymington (Folkestone)	1018.9	0	SSW	4	bcv	65	75	9	3000	Cu	3	As	2	2	1017.8	-2	SSW	3	ov	61	85	9	2000	StrCu	4	As	5
Aberdeen	1011.4	71	S	4	cif	60	75	7	-	CuN	8	-	1011.7	0	S	3	bcif	61	75	7	-	StrCu	4	-	3		
Howden	1015.2	0	SW	3	0	65	65	7	5700	StrCu	9	-	1014.9	-1	SSW	1	02	64	75	8	4200	StrCu	7	As	2		
Cranwell (Lincs)	1016.9	0	SSW	3	0	65	65	7	5700	StrCu	9	As	1	1	1016.4	-1	W	1	c	65	75	6	5700	StrCu	5	As	3
Felixstowe	1018.4	0	SW	1	c	70	55	8	3000	StrCu	7	-	1017.9	-1	SW	3	c	66	75	8	3000	Cu	3	As	4		
Shoeburyness	1016.9	-1	SSW	3	c	69	65	7	-	Cu	6	-	1016.1	0	S	2	bc	63	85	8	-	Cu	3	-	3		
Benson	1017.9	-1	SSW	3	0	67	65	8	2000	StrCu	10	-	1017.4	-1	S	3	orm	62	85	5	1250	Nb	10	-	-		
S. Farnborough	1017.9	-1	SSW	3	0	67	65	8	3000	Cu	7	-	1017.6	-1	SSW	3	0	62	85	8	2000	Nb	8	As	2		
London (Kew Obs.)	1017.9	-1	SSW	3	0	67	65	8	3000	Cu	7	-	1017.6	-1	SSW	3	0	62	85	8	2000	CuN	6	As	3		
Croydon	1018.9	-1	SSW	2	c	67	65	9	3000	Cu	7	Cu	1	1	1018.1	-2	SSW	3	ov	62	85	8	2000	CuN	6	As	3
Renfrew	1012.0	0	SSW	4	c	62	65	8	2000	Cu	7	-	1012.0	-1	SW	4	0	60	75	8	2000	Cu	9	-	-		
Esdailemuir	1013.4	71	SSW	5	0	57	85	7	2000	StrCu	10	-	1013.4	0	SSW	4	0	58	75	8	2000	Cu	5	-	2		
Valencia (Cahire'n)	1012.2	-1	S	4	ov	58	85	8	1250	StrCu	7	As	3	3	1008.8	-4	S	4	ov	55	92	7	1250	StrCu	10	-	3
Baldonnel	1013.1	-2	SW	4	ov	62	65	7	3000	StrCu	7	As	2	2	1011.9	0	SSW	4	0	57	85	7	3000	StrCu	3	As	7
Ross on Wye	1016.5	11	W	3	0	64	65	7	4200	StrCu	10	-	1015.6	-2	W	3	0	63	75	9	3000	StrCu	10	-	-		
Didsbury	1015.1	0	SSW	4	02	64	75	7	3000	StrCu	9	-	1014.9	-1	S	3	0	63	65	8	4200	Cu	5	As	4		
Falmouth	1014.3	-1	SW	4	c	65	75	8	-	Cu	7	-	1016.5	-2	SSW	2	c	60	85	8	-	Cu	8	-	-		
Calshot (Hants)	1018.6	71	SW	3	od.	61	92	5	1250	StrCu	2	?	1017.7	-1	SSW	3	0	60	97	6	750	StrCu	10	-	3		
Lymington (Folkestone)	1018.9	0	SSW	4	bcv	65	75	9	3000	Cu	3	As	2	2	1017.8	-2	SSW	3	ov	61	85	9	2000	StrCu	4	As	5
Aberdeen	1011.4	71	S	4	cif	60	75	7	-	CuN	8	-	1011.7	0	S	3	bcif	61	75	7	-	StrCu	4	-	3		
Howden	1015.2	0	SW	3	0	65	65	7	5700	StrCu	9	-	1014.9	-1	SSW	1	02	64	75	8	4200	StrCu	7	As	2		
Cranwell (Lincs)	1016.9	0	SSW	3	0	65	65	7	5700	StrCu	9	As	1	1	1016.4	-1	W	1	c	65	75	6	5700	StrCu	5	As	3
Felixstowe	1018.4	0	SW	1	c	70	55	8	3000	StrCu	7	-	1017.9	-1	SW	3	c	66	75	8	3000	Cu	3	As	4		
Shoeburyness	1016.9	-1	SSW	3	c	69	65	7	-	Cu	6	-	1016.1	0	S	2	bc	63	85	8	-	Cu	3	-	3		
Benson	1017.9	-1	SSW	3	0	67	65	8	2000	StrCu	10	-	1017.4	-1	S	3	orm	62	85	5	1250	Nb	10	-	-		
S. Farnborough	1017.9	-1	SSW	3	0	67	65	8	3000	Cu	7	-	1017.6	-1	SSW	3	0	62	85	8	2000	Nb	8	As	2		
London (Kew Obs.)	1017.9	-1	SSW	3	0	67	65	8	3000	Cu	7	-	1017.6	-1	SSW	3	0	62	85	8	2000	CuN	6	As	3		
Croydon	1018.9	-1	SSW	2	c	67	65	9	3000	Cu	7	Cu	1	1	1018.1	-2	SSW	3	ov	62	85	8	2000	CuN	6	As	3
STATIONS CONTRIBUTING REPORTS AT 7H. AND 13H.																											
STATIONS.	Barom. at M.S.L.	Temp.	Wind.	Weather	Barometer.	Temperature.	Wind.	Sea	Rainfall	Temp.	Weather.	Sunshine															
	at M.S.L.	°F.	Dir.	Force 0-12.	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.	mm.	Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	Hours.												
	mb.				mb.																						
Lerwick	1011.7	58	S	1	bm	1010.4	0	SE	2	60	b	6															
Stornoway	1008.5	58	SW	5	bc	1005.5	-2	SE	3	61	odp	op bc	c. o	2.1													
Castletay (Barrals)	1009.2	56	S	3	c	1002.9	-1	SE	4	61	op	op	c. op	2.5													
Malin Head	1008.4	57	SSE	2	c	1000.5	-3	SE	6	60	bc	cp	op	5.6													
Blackod Point	1006.0	56	S	4	or	997.7	-3	SW	3	61	bcip	c. op	op. op														
Roche's Point	1012.1	55	SSW	4	rm	1004.1	-2	SW	4	60	o	orm	od. o														
Birr Castle	1010.4	58	S	1	o	1001.3	-1	S	1	63	op	op. o	op. o	2.8													
Donaghadee	1011.6	61	SSW	3	bc	1006.5	-3	SW	3	64	belp	bc	ond														
Liverpool (Baldon)	1014.2	60	WSW	1	o	1009.5	-2	SE	3	64	54	c. o	bc. op	7.5													
Holyhead	1013.4	57	SSW	4	cv	1007.4	-3	S	6	61	54	c. o	c. op	6.8													
Pembroke (St. Ann's Head)	1015.3	57	S	3	c	1008.5	-3	S	4	60	55	bc	cp	2.5													
Silly (St. Mary's)	1016.4	58	S	2	c	1010.1	-2	S	4	62	56	c. eb	bc	5.7													
Jersey (St. Aubin)	1017.6	65	W	3	o	1014.0	-2	WNW	3	65	58	od.	o	0.0													
Portland Bill	1018.0	58	SSW	2	bc	1013.2	-3	SW	4	60	55	c. op	op. bc														
Dungeness	1018.2	61	SW	2	c	1013.4	-2	NE	2	65	56	cbc	bc														
Wick	1009.7	56	S	2	bc	1008.0	-2	S	2	61	53	cm. bc	bc	bc. bc													
Nairn	1010.4	62	-	0	bc	1007.5	-1	SW	1	64	54	bc. eg	c. bc	bcg													
Leith	1011.8	59	SW	1	o	1008.6	-1	SW	1	62	57	c. bc	c. bc														
Tynemouth	1013.0	66	SW	2	bc	1010.2	-2	SW	1	67	54	bc	bc	bc. bc													
Spurn Head	1016.3	65	S	1	c	1013.1	0	SE	3	67	55	c	c														
Yarmouth (Not. Inst.)	1017.1	66	SSW	4	c	1015.1	-3	WSW	2	67	58	belp bc	bc	bc. bc													
Clacton-on-Sea	1017.5	65	SW																								

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 12.7.1920.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers.				
				Position Number.	Date	Time G.M.T.	Sea °F	Air °F
1. S.E. England	Local rain, thunderstorms on coast.	Fair.	Smooth	3	11 ^h	0910	54	59
2. E. England	Dull, local rain and thunder.	"	"	6	11 ^h	1430	60	64
3. E. Midlands	Dull, some rain or drizzle.	Indif.	-	12	12 ^h	0330	55	55
4. W. Midlands	Dull, some mist or drizzle.	"	-					
5. S.W. England	Dull, showery.	"	Mod.					
6. South Wales	Dull, some drizzle.	"	"					
7. North Wales	Dull, gloomy.	"	R. Rough					
8. N.W. England	Rain or drizzle, misty.	Poor.	Slight.					
9. N. Midlands	Dull, mist and drizzle.	Indif.	-					
10. N.E. England	Dull, showery, misty.	"	Smooth					
11. E. Scotland	Dull, misty, some rain or drizzle.	Poor.	Slight.					
12. S.W. Scotland	Dull, mist and rain.	Indif.	"					
13. Isle of Man	Dull, some drizzle.	Poor.	"					
14. N. & N.W. Scotland	Fair to dull, misty.	Indif.	Smooth.					
15. Hebrides	Dull, gloomy.	"	Slight.					
16. Orkneys and Shetlands	Fair.	Fair.	Smooth.					
17. N.W. Ireland	Rain or showers.	Indif.	"					
18. N.E. Ireland	Showers, mist & drizzle.	"	"					
19. S.E. Ireland	Dull, local squalls.	Fair.	Mod.					
20. S.W. Ireland	Dull.	Good.	"					



Upper Cloud

Visibility

GENERAL INFERENCE from observations received up to 9h.G.M.T.

Depressions moving North-North-Eastward and extending Eastward off the North of Ireland, and secondaries over the British Isles will cause a prolongation of the unsettled weather, with South to South-West winds. Local thunderstorms are probable over Great Britain.

EXPLANATION.
BAROMETER.—Leahars are shown in intervals of two millibars.
WIND.—Direction is shown by the arrow, force by the number of flags.
TEMPERATURE.—Mean velocity is shown by the number of flags.
WEATHER SYMBOLS.—
 ☉ clear sky.
 ☁ sky 1/4 clouded.
 ☁ sky 1/2 clouded.
 ☁ sky 3/4 clouded.
 ☁ overcast sky.
 * snow. * hail.
 T thunder.
SEA DISTURBANCE.—
 Rough
 High

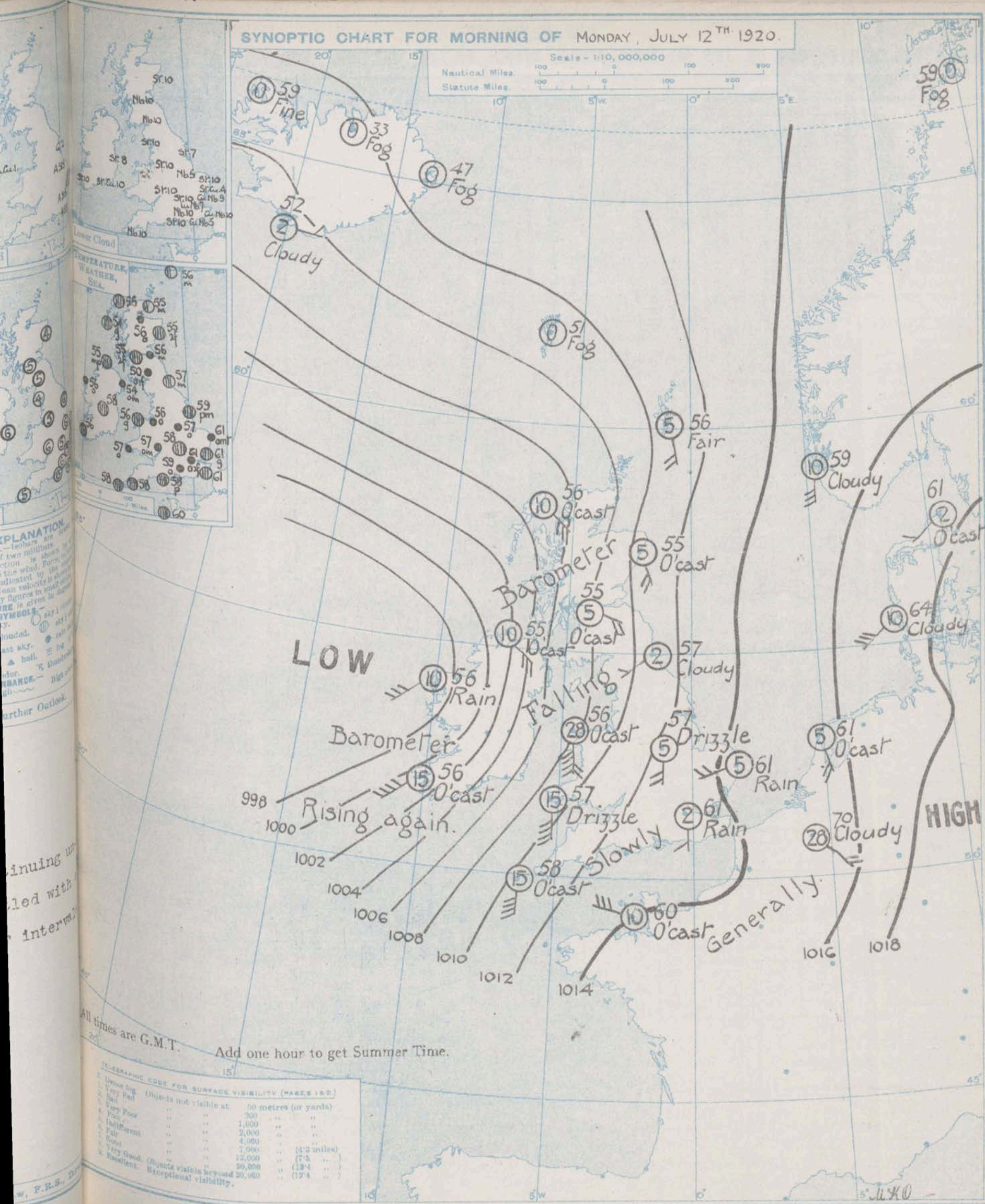
Further Outlook

Districts.	Forecasts for the 24 hours commencing 15h.G.M.T. Monday, 12th July, 1920.
1. S.E. England	Wind South to South-West, light or moderate; much cloud generally, some showers, thunderstorms locally; air rather humid; visibility fair; moderate temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind South and South-West, light or moderate, mainly dull, some rain or showers; visibility fair; moderate temp.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	Wind between South and South-West, light or moderate; dull, some rain or showers, then improving temporarily; visibility indifferent to fair; moderate temperature.
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Continuing unsettled with fair intervals

SYNOPTIC CHART FOR MORNING OF MONDAY, JULY 12TH 1920.

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



EXPLANATION
Isobars are lines of equal pressure. Two millibars are shown in each direction. The wind force is indicated by the number of flags. The direction of the wind is given by the number in the circle. The direction of the current is given by the number in the circle. The direction of the surface current is given by the number in the circle. The direction of the bottom current is given by the number in the circle. The direction of the surface current is given by the number in the circle. The direction of the bottom current is given by the number in the circle.

Continuing with
led with
interval

All times are G.M.T.
Add one hour to get Summer Time.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)

Code	Objects not visible at	50 metres (or yards)
1	Dense fog	200
2	Very fog	1,000
3	Fog	2,000
4	Very Poor	4,000
5	Poor	7,000
6	Indifferent	12,000
7	Fair	20,000
8	Good	30,000
9	Very Good	30,000
0	Excellent	30,000

Objects visible beyond 30,000 feet (or 10 miles) are exceptional visibility.

W. F.R.S., etc.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 194.

Monday
12th July

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-9h. 10-10	Day. 9h-17h. 11	to 17h. 11	Sunshine to Sun. set. 10		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-9h. 10-11	Day. 9h-17h. 11	to 17h. 11	Sunshine to Sun. set. 10
Scotland.									Douglas (I.O.M.)	cbc	-	66	54	2	-	9.1	6.5
Banff	bc	pbc	67	51	1	3	4.6	5.2	Blackpool	cbc	-	66	54	2	-	9.1	6.5
Montrose									Southport	bc.b	b.bcs	65	54	1	-	7.7	5.7
St. Andrews																	
England, N.E.									Midlands.								
Harrogate	b.bcs	c.bcs	62	50	0.1	-	4.4	?	Buxton								
Scarborough	b	b	69	51	1	-	4.8	2.8	Leamington Spa								
Skegness									Malvern								
England, E.									Wales.								
Lowestoft	o.cbc	bc	67	57	-	-	4.9	?	Bath	bbc	b.bcs	70	50	8	-	6.8	0.9
Felixstowe	o	cg	66	54	4	-	5.5	6.3	Rhyl	b	b.bcs	62	53	0.4	-	10.0	?
Southend-on-Sea	orc.bc	bcs.o	74	55	6	-	5.2	5.0	Colwyn Bay	*	*	67	54	-	-	9.5	?
									Llandudno	*	*	65	54	-	-	7.8	4.0
England, S.E.									Aberystwyth								
Tunbridge Wells	o.cbc	bcs.bc	69	55	5	-	4.4	3.3	Swansea								
Margate	c	c.bc	71	57	-	-	3.8	7.7	Weymouth	o.c.o	c.c.c	64	55	3	0.2	2.4	0.0
Ramsgate	*	*	67	56	-	-	5.5	7.2	Teignmouth								
Folkestone	o	cbc	70	54	-	-	4.9	6.8	Torquay	b.bc	bcb.bc	66	55	0.2	-	8.4	0.5
Hastings	or.bcb	bc.ob	66	58	2	0.2	3.6	4.8	Paignton	bc	b.c	67	52	4	-	3.7	2.5
Eastbourne	or	bc	66	58	4	-	6.6	5.1	Penzance	bc	b.c	63	56	0.4	-	3.5	?
Brighton	c.bc	co	65	58	1	-	4.4	?	Newquay	bc	cv	64	52	0.1	-	3.5	?
Worthing	bc	bcs.o	66	58	6	-	5.3	3.1	Bude								
Littlehampton	bc	om	64	57	5	-	4.8	2.0	Ilfracombe	o.c	cloc	64	55	-	-	4.3	3.9
Portsmouth (S. of sea)	*	*	67	57	5	0.3	3.9	0.7	Weston-s-Mare	b	b	66	53	11	-	7.0	?
Bournemouth	*	*	62	53	8	3	1.3	0.0	Tenby (Wales)								
Ventnor (I. of W.)	*	*	63	55	5	Trace	1.9	0.1									

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUN.	
	7h-12h M.	12h-12h N.	Max. Temp. F.	Min. Temp. F.	Day. 7h-12h. mm.	Night. 12h-7h. mm.	Hours.	Hours.
Renfrew	c.c.o	c.o.c	65	58	0.2	1	5.3	5.3
Esksdalemuir	c.c.o	c.o.c	60	49	0.3	1	5.2	5.2
Valencia (Cahirelveen)	c.o.c	c.o.c	58	53	5	9	0.1	0.1
Baldonnel	q.p.d.	o.g.	66	55	-	1	7.4	7.4
Ross on Wye	bcs.c	o.g.v.p.	68	55	0.2	1	2.2	2.2
Didsbury	c.o	c.o	67	54	Trace	Trace	?	?
Falmouth	bcs	c.o.bcs	65	56	5	7	5.1	5.1
Calshot (Hants)	o.p.d.	o.p.d.	65	58	5	10	4.8	4.8
Lympne (Folkestone)	bcs.c	c.o.bcs	66	53	Trace	1	5.3	5.3
Aberdeen	if.	if.	64	50	-	-	5.0	5.0
Howden	coz	c.o.z	67	54	-	-	5.8	5.8
Cranwell (Lincs)	bcs.c	c.o.c	64	54	0.3	8.2	8.2	8.2
Felixstowe	c.o	c.o	64	59	-	-	?	?
Shoeburyness	r.bbc	bcs.v	70	56	0.2	9	4.6	4.6
Benson	r	b.be	70	56	0.1	5	5.0	5.0
S. Farnborough	bcs.bcs	o.p.d.	69	54	0.1	5	5.0	5.0
London (Kew Obs.)	bcs	rr.dd	69	58	1	5	5.5	5.5
Croydon	bcs.c	c.o.p.	68	56	-	9	?	?

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.
Capital letters indicate intensity, and repetition of letters continues, thus:-
R = heavy rain.
cr = continuous moderate rain.
c.r. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

Limits of Velocity at about 30 feet above ground.		
No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.3
2	4-7	1.3-2.5
3	8-13	2.5-3.4
4	14-18	3.4-4.9
5	19-24	4.9-6.7
6	25-31	6.7-8.5
7	32-38	8.5-10.7
8	39-46	10.7-12.8
9	47-54	12.8-15.0
10	55-63	15.0-17.7
11	64-75	17.7-20.8
12	Above 75	20.8 or above

SYMBOLS.

Aurora ☀ Solar halo
Rime ☾ Lunar halo
Glazed frost ~ Solar corona
Glazed roads ~ Lunar corona

LONDON OBSERVATIONS.

	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		HUMIDITY %	
	Morning.	Afternoon.	Night.	Max. Temp. F.	Min. Temp. F.	Min. on Grass. F.	to Sunset. Hours.	to Sunrise. Hours.	15 h. G.M.T.	9 h. G.M.T.
24 Hours ended 9h G.M.T. 12 th July										
Greenwich (Royal Observatory)	b.bcs	bc.op	op.or.o	75	58	56	11	5.6	70	87
City (Bunhill Row)	*	*	*	*	*	*	*	5.0	*	*
Westminster (St. James's Park)	bc.o.d	o.d	or.o.o	70	60	54	8	5.0	74	82
" (Admiralty Arch)	bcs	c.on.ep	c.on.ep	71	59	*	8	5.2	83	94
Camden Sq. (British Rainfall)	*	*	*	74	59	58	8	*	*	78
Kensington Palace	bc.op.	or.b	*	70	59	58	8	*	90 (18h)	85
Rampstead Observatory	bc	or.c	*	68	58	*	6	0.6	*	97

SOUTH KENSINGTON (Meteorological Office).

	YESTERDAY.		TO-DAY.	
	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Total ... 13.70 Joules.	Average Rate. 22.4 Milliunits.	Maximum Rate. 120

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

Stations.	12 th & 13 th July 1920.		
	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	3.4.5	11.58	6.12
Greenwich ...	3.4.6	11.58	6.12
Wick ...	3.5.8	12.5	6.12
Valencia ...	3.5.9	12.5	6.12

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 11^h 14^m to 11^h 15^m 30^s

Stars.	Duration of Exposure.		Duration of Record.		%
Polaris	h.	m.	h.	m.	%
8 Ursae	0	0	0	0	0
Minoris	0	0	0	0	0

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell very generally, but the quantity was not, as a rule, large. At Clacton, however, the value was 19 mm., Valencia 14 mm., and at Calshot 10 mm.
Thunderstorms occurred on the South-East coast during the early morning. Bright sunshine records were mostly poor or moderate. At Jersey the day was sunless. Temperature rose to 74° at Southend-on-Sea, and to about 70° at a few other Southern stations as well as at Spurn Head.

NDON:
920.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21419.

Tuesday... 13th July..... 1920.

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

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.																																
STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		WEATHER.	TEMP. °F.	HUMIDITY. %	VISIBILITY. 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		WEATHER.	TEMP. °F.	HUMIDITY. %	VISIBILITY. 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.				
			Dir.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Dir.	Force 0-12.						Form.	Amt. 0-10.							
12H. G.M.T. OF 12 th																																
Renfrew	1004.3	-4	SE	4	odm	60	85	6	1250	Nb	8	A-St	2	1002.3	-1	S	5	odm	61	85	6	1250	Nb	10	-	-	-	-	4			
Esldalemuir	1004.1	-2	SE	4	odm	57	85	5	1250	Nb	10	-	-	1004.0	-1	SSW	4	odm	56	85	5	1250	Nb	10	-	-	-	-	4			
Valencia (Cahire'n)	1007.2	+4	NSW	5	0	58	75	8	2000	St	9	-	-	1009.1	+3	NSW	5	0	58	75	8	2000	St	3	-	-	-	-	4			
Baldonnel	1002.7	0	SW	4	cq	64	75	7	3,000	St	5	A-St	3	1006.1	+5	SW	5	cq	58	75	7	3,000	St	7	-	-	-	-	4			
Ross on Wye	1010.0	-1	S	4	0	62	75	7	1250	Nb	8	A-St	2	1008.1	-2	SW	4	c	62	75	8	3,000	St	8	-	-	-	-	4			
Didsbury	1007.8	-4	S	5	cq	64	75	5	2000	Nb	7	A-St	3	1006.5	-1	S	5	cq	63	85	5	1250	Nb	7	A-St	2	-	-	4			
Falmouth	1010.5	0	SW	4	0	61	97	7	-	St	10	-	-	1011.7	+2	W	4	bc	61	75	8	-	Nb	5	-	-	-	-	4			
Calshot (Hants)	1013.7	+1	SW	4	0	63	85	8	750	St	10	-	-	1011.2	-2	SW	4	0	61	92	8	750	St	10	-	-	-	-	4			
Lymington (Folkestone)	1012.8	-1	S	2	0	65	85	8	2000	St	2	A-St	7	1011.7	-1	SW	3	c	66	75	8	1250	Nb	5	A-St	3	-	-	4			
18H. G.M.T. OF 12 th																																
Aberdeen	1007.7	-2	SE	4	bczf	61	75	5	-	St	6	-	-	1004.8	-3	SE	3	bczf	57	92	4	-	St	9	-	-	-	-	4			
Howden	1008.8	-2	S	4	0	66	75	7	4200	St	7	A-St	2	1006.9	-2	S	3	0	63	85	6	2000	Nb	10	-	-	-	-	4			
Cranwell (Lines)	1010.8	-3	SSW	4	0	69	65	8	3,000	St	7	A-St	2	1008.3	-2	SW	4	0	66	75	8	3,000	St	10	-	-	-	-	4			
Felixstowe	1013.1	-2	SSW	3	0	64	85	6	5,700	St	3	A-St	6	1011.1	-2	S	4	bc	64	85	7	4200	St	3	A-St	3	-	-	4			
Shoeburyness	1012.4	-2	SW	1	odm	69	75	7	3,000	St	5	A-St	4	1010.5	-3	SW	2	bc	69	65	7	3,000	St	2	A-St	4	-	-	4			
Benson	1010.3	-3	SW	2	0	67	85	6	-	St	9	-	-	1009.9	-1	SSW	3	0	62	85	6	-	Nb	9	-	-	-	-	4			
S. Farnborough	1011.9	-2	S	4	0	69	75	8	1250	Nb	6	Ci	3	1010.8	-1	SW	4	0	63	85	7	2000	St	10	-	-	-	-	4			
London (Kew Obs.)	1012.0	-2	SW	2	0	70	75	8	4200	St	8	A-St	1	1010.6	-1	SSW	4	bc	64	65	8	3,000	St	3	A-St	3	-	-	4			
Croydon	1012.6	-1	SSW	2	0	67	85	8	1250	St	8	A-St	2	1011.7	-1	SW	3	c	64	85	8	2000	St	5	A-St	3	-	-	4			
1H. G.M.T. OF 12 th																																
Renfrew	1005.4	+1	SW	4	bc	52	92	7	-	St	6	-	-	1003.4	0	SSW	4	odm	54	92	5	750	Nb	10	-	-	-	-	4			
Esldalemuir	1010.8	+5	W	6	bc	53	-	-	-	-	-	-	-	1005.5	0	SSW	5	odm	51	97	3	1,250	Nb	10	-	-	-	-	4			
Valencia (Cahire'n)	1007.8	+1	SW	6	cq	52	85	5	1,250	St	8	-	-	1015.6	+4	WSW	4	c	55	92	8	1,250	Fr	8	-	-	-	-	4			
Baldonnel	1011.1	+5	W	6	0	54	85	6	1,250	St	10	-	-	1011.1	+5	W	6	0	54	85	6	1,250	St	10	-	-	-	-	4			
Ross on Wye	1013.7	+6	WSW	3	c	57	75	8	3,000	St	8	-	-	1013.7	+6	WSW	3	c	57	75	8	3,000	St	8	-	-	-	-	4			
Didsbury	1010.6	+2	SW	3	1.2f	55	75	8	4,200	Nb	5	A-St	4	1010.6	+2	SW	3	1.2f	55	75	8	4,200	Nb	5	A-St	4	-	-	4			
Falmouth	1018.1	+5	W	5	b	57	85	8	-	St	3	-	-	1018.1	+5	W	5	b	57	85	8	-	St	3	-	-	-	-	4			
Calshot (Hants)	1016.4	+4	W	4	b	57	85	8	3,000	St	2	-	-	1016.4	+4	W	4	b	57	85	8	3,000	St	2	-	-	-	-	4			
Lymington (Folkestone)	1015.3	+4	W	3	c	54	92	8	4,200	St	8	-	-	1015.3	+4	W	3	c	54	92	8	4,200	St	8	-	-	-	-	4			
Aberdeen	1007.4	+1	WSW	1	bcw	55	97	5	4,200	St	5	-	-	1004.3	+1	SSW	3	bif	56	75	5	-	St	1	-	-	-	-	4			
Howden	1009.9	0	WSW	3	bc	55	92	6	3,000	St	4	-	-	1009.9	+2	SW	4	bc	56	85	5	2,000	St	4	A-St	1	-	-	4			
Cranwell (Lines)	1012.2	+4	W	4	bif	57	85	6	5,700	St	1	A-St	5	1012.2	+4	W	4	bif	57	85	6	5,700	St	1	A-St	5	-	-	4			
Felixstowe	1013.7	+4	WSW	4	bc	59	75	7	2,000	Fr	3	A-St	2	1013.7	+4	WSW	4	bc	59	75	7	2,000	Fr	3	A-St	2	-	-	4			
Shoeburyness	1014.6	+2	SW	3	c	58	75	6	4,200	St	7	-	-	1014.6	+2	SW	3	c	58	75	6	4,200	St	7	-	-	-	-	4			
Benson	1015.2	+6	WSW	3	b	59	75	6	-	St	6	-	-	1015.2	+6	WSW	3	b	59	75	6	-	St	6	-	-	-	-	4			
S. Farnborough	1015.2	+6	WSW	3	b	59	75	6	4,200	St	1	A-St	1	1015.2	+6	WSW	3	b	59	75	6	4,200	St	1	A-St	1	-	-	4			
London (M.O. at 1h)	1015.0	+5	SW	3	bc	58	75	6	2,000	Fr	2	A-St	4	1015.0	+5	SW	3	bc	58	75	6	2,000	Fr	2	A-St	4	-	-	4			
Croydon	1015.5	+4	W	4	cif	56	75	7	750	St	4	A-St	3	1015.5	+4	W	4	cif	56	75	7	750	St	4	A-St	3	-	-	4			
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																																
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		WEATHER.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.											
			at M.S.L. mb.	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 12 th																							7H. G.M.T. OF 12 th				24 HOURS ENDED 7H. 12 th				12 th	
Lerwick	1008.9	58	SSE	4	omp	1008.5	-2	57	+1	SSE	2	SE	cm	3	-	63	49	bc	om	om	3.6											
Stornoway	999.8	58	SE	1	0	1000.6	+1	55	-1	ESE	2	-	0	1	1	60	48	0	odp	odp	0.0											
Castellbay (Barcelo)	998.8	56	S	3	c	998.8	+2	56	+2	NW	2	-	0	2	7	56	52	odp	odp	c. odp	0.2											
Malin Head	998.9	57	SSW	3	cq	1001.9	+3	55	0	W	5	W	omq	5	2	63	52	cp	cq	omq	3.6											
Blackod Point	1000.4	55	SW	4	0	1008.7	+9	55	-1	SW	5	-	omq	5	11	60	52	op	0	odp	0.0											
Roche's Point	1009.3	58	W	4	0	1015.5	+4	55	-1	W	3	-	0	3	0.3	62	53	odp	0	odp	0.0											
Birr Castle	1006.1	58	W	3	c	1011.7	-	53	-5	W	3	-	0	2	2	61	52	odp	0	odp	0.0											
Donaghadee	1002.1	58	WSW	4	cmp	1006.0	+2	57	+3	SW	4	-	cq	3	5	62	52	om	om	om	1.6											
Liverpool (Biddon)	1005.7	61	SW	3	0	1010.5	+3	53	-3	SW	4	-	0	2	2	67	51	odp	odp	odp	1.9											
Holyhead	1006.7	57	SW	4	0	1010.2	+2	55	-1	SW	5	-	0	4	2	60	57	odp	odp	odp	2.6											
Pembroke (St. Ann's Head)	1008.8	57	SW	4	0	1014.7	+3	56	-1	W	5	W	b	5	1	60	55	odp	odp	odp	3.8											
Seilly (St. Mary's)	1012.1	60	NNW	4	b	1018.4	+2	56	-2	WNW	4	W	cv	5	1	62	54	odp	odp	odp	5.5											
Jer																																

* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

‡ For code see page 2.

SUMMARY OF CONDITIONS AT 7 h. G.M.T.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number	Date	Time G.M.T.	Sea ° F.	Air ° F.
1. S.E. England	Fine to cloudy.	Good.	Mod.	5	12 th	0732	51	54
2. E. England	Fine to cloudy.	Fair.	Slight	3	12 th	0910	50	58
3. E. Midlands	Fair.	Fair.	-	6	12 th	1405	56	60
4. W. Midlands	Fair to cloudy.	Fair.	-	2	13 th	0110	56	56
5. S.W. England	Fine to cloudy.	Good.	-					
6. South Wales	Fine.	V.Good	R.Rough					
7. North Wales	Fine.	Good.	R.Rough					
8. N.W. England	Dull, gloomy.	Fair.	Mod.					
9. N. Midlands	Dull, local squalls & drizzle.	Indiff	Mod.					
10. N.E. England	Fair to dull.	Good.	-					
11. E. Scotland	Fair to dull.	Indiff	V.Smooth					
12. S.W. Scotland	Fine to dull.	Indiff	Smooth					
13. Isle of Man	Light rain & mist.	Indiff	Mod.					
14. N. & N.W. Scotland	Dull to cloudy.	Indiff	Mod.					
15. Hebrides	Fair to fine.	Fair	Slight					
16. Orkneys and Shetlands	Dull.	Indiff	Smooth					
17. N.W. Ireland	Fine to cloudy.	Indiff	Slight					
18. N.E. Ireland	Dull, misty, squally.	Indiff	R.Rough					
19. S.E. Ireland	Dull, rain & squalls.	Indiff	R.Rough					
20. S.W. Ireland	Dull, local squalls.	Fair	Slight					
	Cloudy.	Good	Mod.					

Chart of Position Numbers

GENERAL INFERENCE from observations received up to 9h. G.M.T.

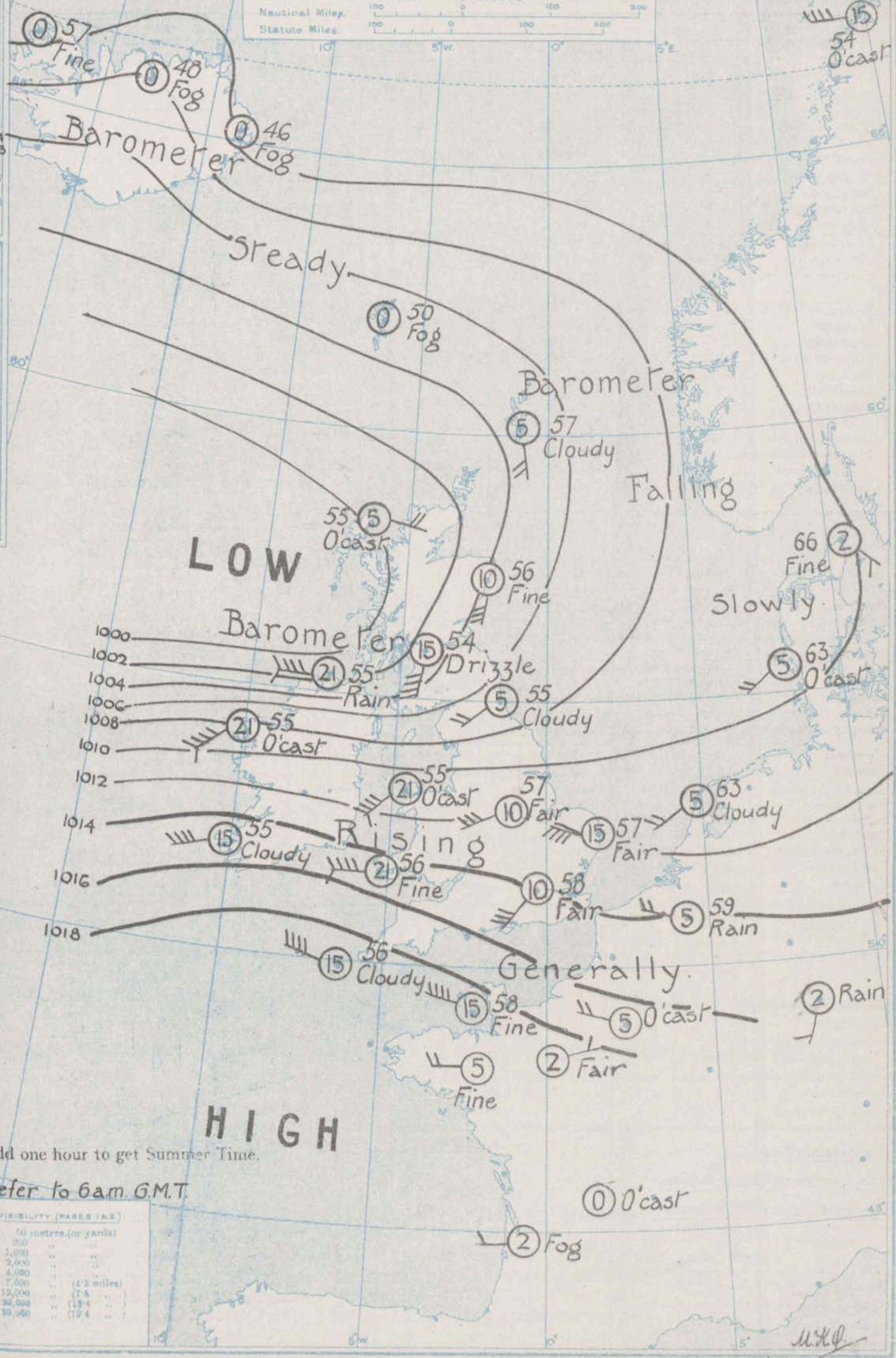
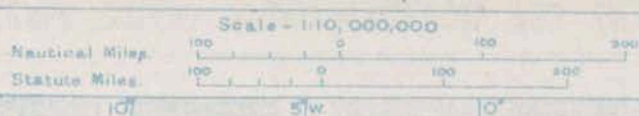
A depression over Scotland is moving very slowly North-East or North and will cause rain or showers in the Northern districts. Further South the weather during the ensuing 24 hours will be mainly fair, though showers may occur locally.

EXPLANATION
BAROMETER—Inches are
 intervals of two millibars.
WIND—Direction is shown
 flying with the wind. Force
 0-12 is indicated by the
 feathers. Mean velocity is shown
 per hour by figures in small
 circles.
TEMPERATURE SYMBOLS—
WEATHER SYMBOLS—
 clear sky. ☉ sky $\frac{1}{2}$ clouded. ☁ sky
 overcast sky. ☁ sky
 * snow. ▲ hail. ☁ sky
 T thunder. ☁ sky
SEA DISTURBANCE—
 Rough

Further Outlook

Districts.	Forecasts for the 24 hours commencing 15h.G.M.T. Tuesday, 13th July, 1920.
1. S.E. England	Wind West to South-West, light or moderate, fair generally cloudy at times; visibility good; cool for time of year.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	Wind South-West to West, moderate or fresh, cloudy; some local showers; visibility fair or good; cool.
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind South and South-West, light or moderate, veering and increasing somewhat later; cloudy or dull, some rain or showers; visibility fair; cool.
12. S.W. Scotland	
13. Isle of Man.	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Wind South-West and West, probably backing later, moderate or light, fresh locally; mainly fair but some showers; visibility fair or good; cool.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

SYNOPTIC CHART FOR MORNING OF TUESDAY, JULY 13TH 1920



EXPLANATION
 Symbols for weather conditions:
 ☉ Sunny
 ☁ Cloudy
 ☂ Rain
 ☂ Drizzle
 ☂ Fog
 ☂ O'cast
 ☂ Fair
 ☂ Fine
 ☂ Rain
 ☂ Drizzle
 ☂ Fog
 ☂ O'cast
 ☂ Fair
 ☂ Fine

All times are G.M.T.
 Reports for France refer to 6 a.m. G.M.T.
 Add one hour to get Summer Time.

SYNOPTIC CODE FOR SURFACE VISIBILITY (BASED ON)			
1. Very Poor	Objects not visible at	200	(62 meters (or yards))
2. Poor		500	
3. Fair		1,000	
4. Good		2,000	
5. Very Good		4,000	
6. Excellent		7,000	(4.2 miles)
7. Exceptional		12,000	(7.4 "
8. Exceptional	Objects visible beyond	20,000	(12.4 "
9. Exceptional	Exceptional visibility.	30,000	(18.6 "
10. Exceptional		40,000	(24.8 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 195...

Tuesday
13th July 1920

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 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.								
Oban ...	od. r.		60	54	1	1	0.0	7	Douglas (I.O.M.)	*	*	58	53	4	2	0.7	7
Banff ...	c. bc	c. og	66	50	0.4	0.2	1.0	5.7	Blackpool ...	c. r. c		64	58	1	6	1.5	9.4
Montrose ...	c. o	of	61	43	0.2	0.3	1.9	?	Southport ...	c. o. o	or. c. bc	65	54	0.3	3	1.2	7.7
St. Andrews ...	-	-	65	50	-	2	0.4	?									
England, E.									Midlands.								
Harrogate ...	c. o. o	c. op	65	52	-	0.2	0.6	4.6	Buxton ...	bc. bc. o	bc. o. r. c	62	50	1	0.1	0.9	?
Scarborough ...	b	b	72	53	-	-	4.7	5.8	Leamington Spa ...	c. b	c. b	69	55	1	-	1.8	?
Skegness ...	e	bc. c	71	58	-	-	5.7	?	Malvern ...	o. c	p. o	64	54	2	2	0.5	?
England, S.E.									Wales.								
Lowestoft ...	or. c	c. bc	66	58	7	-	1.5	5.3	Bath ...	op. c	op	65	56	2	-	0.7	7.0
Felixstowe ...	c. g. l. r. b.	c. g. l. r.	66	60	9	2	3.1	5.5	Rhyl ...	bc	bc	67	55	1	1	3.0	10.0
Southend-on-Sea ...	r. l. o. c	c. o. c	74	57	13	-	1.5	5.2	Colwyn Bay ...	*	*	67	56	-	-	4.7	9.9
England, S.W.									Llandudno ...	c. c	d. c. b	66	55	-	0.1	4.4	7.8
Tunbridge Wells ...	c. o. o	c. bc. c	69	54	11	-	1.2	4.5	Aberystwyth ...	r. o. c	c. c. o	63	58	1	2	0.3	?
Margate ...	r. r. r	c. bc. c	71	59	6	11	1.6	4.0	Swansea ...	-	-	62	53	6	2	0.9	2.7
Ramsgate ...	*	*	65	54	3	9	1.7	5.5	Weymouth ...	od. o	c. g	65	57	7	0.2	1.7	?
Folkestone ...	c. r. r	c	68	54	12	4	2.3	5.9	Teignmouth ...	or. c. p	c. bc	67	57	4	1	2.0	8.9
Hastings ...	l. r. o. c	c. bc	70	59	7	0.2	1.5	4.5	Torquay ...	or. m	or. bc	62	58	6	1	1.6	3.3
Eastbourne ...	r. bc	b	67	59	8	0.3	3.2	5.9	Paignton ...	bc. c. p	bc. c. p	67	56	4	1	2.5	5.7
Brighton ...	c. or	bc	67	60	6	0.2	2.8	4.4	Penzance ...	or. c	c. bc	63	57	5	1	2.0	5.7
Worthing ...	c. bc	bc	67	60	5	-	4.3	5.3	Newquay ...	op. o	b. v. c	63	56	3	0.4	1.1	2.6
Littlehampton ...	bc	bc	64	58	8	-	4.5	4.8	Bude ...	-	-	63	55	1	1	1.7	4.3
Portsmouth (S. Sea) ...	*	*	67	59	10	-	1.0	3.9	Ilfracombe ...	op	bc. c. p	66	57	2	2	0.2	?
Bournemouth ...	*	*	62	55	9	-	0.2	1.7	Weston-s-Mare ...	bc. c. r. c	c. r. c	64	56	3	1	2.6	?
Ventnor (I. of W.) ...	*	*	63	57	13	-	1.0	1.9	Penryn (S. Wales) ...	r	c. bc	62	55	5	2	2.6	?

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				TEMP.		RAINFALL.		Sun.
	7h-13h.	13h-18h.	18h-24h.	24h-7h.	Max. F.	Min. F.	Day. 7h-13h.	Night. 13h-18h.	
Renfrew	o. f. p. d.	b. o. h. f.	h. d. o. f.	h. d. o. f.	63	50	4.4	0.4	0.4
Eskdalemuir	o. f. r. o.	r. r. c. o. f.	o. f. r. o. f.	bc. c. r. r.	59	48	4.5	9	0.4
Valencia (Cabrilsveen)	c. o	c. o. b. b. o	bc. c. g. h.	bc. c. g. h.	60	54	5.2	1	4.1
Baldonnel	c. o. p. d.	c. o. g.	q.	q. d. l.	67	51	Trace	Trace	3.1
Ross on Wye	c. p. d. o. f.	p. o. f. o. c.	c. o. b. c.	b. bc. c.	67	52	4.6	Trace	1.9
Didsbury	o. p. d.	cp	o. f.	b. o. z.	66	50	4.4	Trace	?
Falmouth	o. f. r. o. f.	c. p. o. c.	b. bc.	b. bc.	63	51	4.8	1	2.3
Calshot (Hants)	c. p. o. c.	c. o. b. c. o. p. d.	c. o. b. c.	b. bc.	65	53	5.1	-	2.4
Lympe (Folkestone)	c. p. o. f.	c. o. p.	c. o. b. c. h.	b. w. b. k.	68	53	3.0	1.4	3.0
Aberdeen	o. f. z. f.	z. f. o. f.	o. f. f.	o. f. z. f.	63	52	4.5	2	1.1
Howden	z. o. f.	r. ?	b. bc. w.	b. bc.	67	50	4.6	2	0.0
Cranwell (Lincs)	o. f. c	k. e. a.	c. a. k.	b. bc. f.	71	52	*	Trace	2.5
Felixstowe	b. f. o.	c. o. c	bc. c	bc. c.	67	50	*	*	?
Shoeburyness	r. l. o. c. p. d.	p. d. o. c.	bc. c.	bc. c.	73	55	5.1	1	3.3
Benson	R. h. b. k.	b. c. c	c. o. c.	c. o. f.	68	50	4.3	0.2	1
S. Farnborough	o. f. c	c. o. o	f. o. c.	b. bc.	69	51	4.3	0.3	1.5
London (New Obs.)	o. f. c	c. o. b. c.	bc. c. o.	bc. c. o.	73	54	4.6	-	2.7
Croydon	o. f. c	c. o	c. o. c. p. o. c.	b. bc. c. o.	66	53	*	-	?

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 50 per cent.
z dust haze; the turbid atmosphere of dry weather.
Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
r.r. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.
Used only for surface observations.

No.	Force	Velocity in miles per hour.	Meters per second.
0	Less than 1	Less than 1	0.3-1.3
1	1-3	1.6-4.8	1.6-4.8
2	4-7	5.4-7.9	5.4-7.9
3	8-13	8.0-10.7	8.0-10.7
4	14-19	10.8-13.8	10.8-13.8
5	20-24	13.9-17.7	13.9-17.7
6	25-31	17.8-20.7	17.8-20.7
7	32-38	20.8-24.4	20.8-24.4
8	39-46	24.5-27.8	24.5-27.8
9	47-54	27.9-31.3	27.9-31.3
10	55-63	31.4-35.0	31.4-35.0
11	64-75	35.1-40.0	35.1-40.0
12	Above 75	40.1 or above	40.1 or above

SYMBOLS:-
Aurora Solar halo
Rime Lunar halo
Glazed frost Solar corona
Glazed roads Lunar corona

LONDON. OBSERVATIONS.	WEATHER.		Max. Temp.		Min. on Temp.		Rain- fall.	Sun- shine to Sunset.	HUMIDITY %	
	Morning.	Afternoon.	Night.	° F.	° F.	° F.			15 h. G.M.T.	9 h. G.M.T.
24 HOURS ENDED 11 H. G.M.T.										
								YESTERDAY.	TO-DAY.	
Greenwich (Royal Observatory)	o	c	c. bc.	75	53	47	-	3.7	64	59
City (Bunhill Row)	*	*	*	*	*	*	*	3.6	*	*
Westminster (St. James's Park)	*	*	*	71	55	48	-	3.3	63	62
" (Admiralty Arch)	o. m. c.	c. bc.	bc. c. bc.	73	55	*	-	3.8	69	61
Camden Sq. (British Rainfall)	o. c. bc.	bc. c. bc.	*	75	54	50	-	*	63	63
Kensington Palace	c. o.	c. bc.	*	72	54	49	-	*	70 (18h)	62
Hampstead Observatory	*	*	*	70	57	48	-	2.8	*	60

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	HUMIDITY %	
	15h. G.M.T.	9h. G.M.T.
Total	1178	Joules.
Average Rate.	20.2	Milliwatts.
Maximum Rate.	74	

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

Stations.	13th July 1920.	
	Sunrise.	Noon.
Yarmouth...	3.46	8.58
Greenwich	3.47	8.59
Wick	3.49	9.01
Valencia	3.51	9.03

Photographic Record of

Pole Star (Polaris) and of 3 Ursae

Minoris at Greenwich Observatory.

Exposure from 2.1h. to 3.0h.
to 3.1h. to 4.0h.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	5.0	2.59	60
3 Ursae	5.0	1.53	38

NOTES ON THE WEATHER OF YESTERDAY.

Rain was again experienced very generally, the largest amount being 17 mm at Dungeness and 14 mm at Lympe, where thunderstorms occurred, and about 10 mm. at Eskdalemuir and Blacksod Point. Little bright sunshine was recorded, many localities having less than an hour and very few as much as five hours. Temperature rose to about 70° at several stations in the South and also in the North-East of England.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21,419

... WEDNESDAY, 14TH JULY, 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 13H.

STATIONS.	13H. G.M.T. 13 TH												13H. G.M.T. OF 13 TH												
	Barom. at M.S.L.	Change in 3 hours.	Wind.	Weather	Temp. °F.	Humidity %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Barom. at M.S.L.	Change in 3 hours.	Wind.	Weather	Temp. °F.	Humidity %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	
	mb.		Dir.	Force 0-12.									mb.		Dir.	Force 0-12.									
Renfrew	1007.2	+0	NSW	4	55	97	5	1250	Nb	10	-	-	1011.2	+2	NSW	6	56	75	6	2000	Nb	7	-	-	*
Esdailemuir	1008.3	+2	NSW	4	55	92	4	1250	Nb	10	-	-	1012.5	+2	N	4	56	75	7	2000	St. Cu	4	-	-	*
Valencia (Cahire'n)	1017.8	-1	SN	4	58	75	8	3000	St. Cu	10	-	-	1017.9	0	SSW	4	58	85	8	2000	St. Cu	10	-	-	3
Baldonne	1014.7	+4	N	6	60	75	8	1250	St. Cu	10	-	-	1016.4	+2	NSW	4	59	85	8	3000	St. Cu	9	-	-	*
Ross on Wye	1017.0	+4	N	5	59	65	9	4200	St. Cu	7	-	-	1019.3	+3	N	4	60	65	8	3000	St. Cu	10	-	-	*
Didsbury	1014.5	+4	NSW	5	59	75	8	3000	St. Cu	9	A. Cu	1	1010.3	+2	N	6	60	75	7	3000	St. Cu	9	-	-	*
Falmouth	1021.8	+3	SN	4	61	75	8	-	St. Cu	10	-	-	1022.7	+1	SN	3	61	75	8	-	St. Cu	9	-	-	*
Calshot (Hants)	1014.6	+3	SW	5	62	75	8	2000	St. Cu	9	-	-	1021.1	+1	SN	4	61	85	8	4200	St. Cu	10	-	-	3
Lymington (Folkestone)	1017.7	+2	NSW	5	60	65	8	4200	St. Cu	6	-	-	1019.3	+2	NSW	5	61	85	8	2000	St. Cu	5	-	-	*
Aberdeen	1003.6	-1	SN	3	63	65	6	-	St. Cu	8	-	-	1005.9	+5	NSW	3	61	75	7	-	St. Cu	10	-	-	3
Howden	1012.5	+2	NSW	7	61	75	7	3000	St. Cu	7	A. St.	1	1015.4	+2	NSW	4	59	75	8	3000	St. Cu	10	-	-	*
Cranwell (Lincs)	1015.7	+3	N	4	60	75	7	3000	St. Cu	8	A. St.	2	1017.7	+3	N	5	61	85	8	4200	St. Cu	3	A. Cu	3	*
Felixstowe	1016.6	+3	N	5	60	75	8	7200	St. Cu	6	-	-	1018.4	+2	N	3	60	55	7	5700	St. Cu	6	-	-	0
Shoeburyness	1017.1	+3	NSW	3	60	75	6	4200	St. Cu	8	-	-	1018.6	+1	NSW	3	60	65	7	4200	St. Cu	3	A. Cu	2	*
Benson	1016.6	+3	NNW	4	60	65	7	-	St. Cu	5	-	-	1019.3	+3	N	3	62	65	7	-	St. Cu	7	-	-	*
S. Farnborough	1017.0	+2	NSW	5	61	65	8	1250	St. Cu	7	-	-	1020.0	+2	N	3	63	65	7	2000	St. Cu	8	-	-	*
London (Kew Obs.)	1017.7	+2	NSW	4	61	65	8	4200	St. Cu	6	A. Cu	2	1019.9	+3	NSW	3	62	55	9	4200	St. Cu	7	-	-	*
Croydon	1018.2	+3	N	3	64	65	8	3000	St. Cu	8	-	-	1020.2	+3	N	5	63	65	9	4200	St. Cu	6	-	-	*
1H. G.M.T. OF 14 TH												7H. G.M.T. OF 14 TH													
Renfrew	1015.7	+2	SSW	3	57	85	6	-	St. Cu	10	-	-	1014.1	0	SSW	4	56	75	7	2000	St. Cu	10	-	-	*
Esdailemuir	1016.8	0	SW	3	57	85	6	-	St. Cu	10	-	-	1015.7	0	SW	4	54	85	7	2000	St. Cu	10	-	-	*
Valencia (Cahire'n)	1017.7	-1	WSW	4	55	85	5	1250	St. Cu	10	-	-	1015.3	-1	S	5	57	85	8	1250	St. Cu	6	A. St.	4	3
Baldonne	1017.7	-1	WSW	4	55	85	5	1250	St. Cu	10	-	-	1016.7	0	SSW	5	56	85	7	4200	St. Cu	10	-	-	*
Ross on Wye	1023.5	0	SW	2	53	97	7	-	St. Cu	6	-	-	1023.0	0	W	3	57	75	7	2000	St. Cu	10	-	-	*
Didsbury	1023.6	+1	W	3	56	85	8	2000	St. Cu	8	-	-	1018.9	0	SW	4	57	75	7	4200	St. Cu	6	A. Cu	1	*
Falmouth	1023.6	+1	W	3	56	85	8	2000	St. Cu	8	-	-	1022.3	-1	SW	2	57	92	5	-	St. Cu	6	A. Cu	3	1
Calshot (Hants)	1022.0	+1	W	1	54	92	8	2000	St. Cu	1	C. St.	1	1023.2	+2	W	2	57	75	8	3000	St. Cu	2	C. St.	1	*
Lymington (Folkestone)	1022.0	+1	W	1	54	92	8	2000	St. Cu	1	C. St.	1	1023.2	+2	W	2	57	75	8	3000	St. Cu	2	C. St.	1	*
Aberdeen	1018.4	+2	WSW	2	52	97	6	3000	St. Cu	2	A. St.	1	1012.5	+1	SSW	3	57	75	6	-	St. Cu	9	-	-	2
Howden	1020.1	+2	WSW	3	53	85	6	4200	St. Cu	1	-	-	1019.2	+1	WSW	2	58	85	7	3000	St. Cu	4	A. St.	3	*
Cranwell (Lincs)	1020.1	+2	WSW	3	53	85	6	4200	St. Cu	1	-	-	1020.6	+1	W	3	58	75	7	-	St. Cu	2	-	-	*
Felixstowe	1022.3	+1	WSW	2	58	75	7	-	St. Cu	1	-	-	1022.3	+1	WSW	2	58	75	7	-	St. Cu	1	-	-	1
Shoeburyness	1022.9	+1	WSW	3	58	65	7	3000	St. Cu	5	A. St.	2	1022.9	+1	WSW	3	58	65	7	3000	St. Cu	5	A. St.	2	*
Benson	1024.4	0	WSW	2	57	85	7	-	St. Cu	5	-	-	1024.4	0	WSW	2	57	85	7	-	St. Cu	5	-	-	*
S. Farnborough	1022.5	+1	W	3	58	75	8	-	St. Cu	1	-	-	1022.5	+1	W	3	58	75	8	-	St. Cu	1	-	-	*
London (Kew Obs.)	1023.0	+1	SW	3	60	65	8	-	St. Cu	8	-	-	1023.0	+1	SW	3	60	65	8	-	St. Cu	8	-	-	*
Croydon	1022.9	0	W	2	58	75	7	2000	St. Cu	1	A. Cu	3	1022.9	0	W	2	58	75	7	2000	St. Cu	1	A. Cu	3	*
STATIONS CONTRIBUTING REPORTS AT 7H. AND 13H.																									
STATIONS.	Barom. at M.S.L.	Temp. °F.	Wind.	Weather	Barometer. at M.S.L.	Temp. °F.	Wind.	Weather	Barometer. at M.S.L.	Temp. °F.	Wind.	Weather	Barometer. at M.S.L.	Temp. °F.	Wind.	Weather	Barometer. at M.S.L.	Temp. °F.	Wind.	Weather	Sunshine Hours.				
	mb.		Dir.	Force 0-12.	mb.		Dir.	Force 0-12.	mb.		Dir.	Force 0-12.	mb.		Dir.	Force 0-12.	mb.		Dir.	Force 0-12.					
Lerwick	1004.5	60	SW	2	60	1007.8	+2	55	+2	W	3	W	6m	2	2	60	51	cm	bcm	cm	1.1				
Stornoway	1006.3	60	SW	1	C	1007.0	-1	55	-1	SSW	6	-	odpq	5	2	63	53	0	0.0	odpq	0.7				
Castell Bay (Barra)	1009.5	54	N	4	op	1008.7	0	55	-1	S	5	-	r	6	1	57	54	op	op	op	0.7				
Malin Head	1011.3	56	NSW	4	C	1009.8	-1	56	+1	SSW	4	SW	C	4	Trace	58	52	omqp	omd	C	1.2				
Blacksod Point	1012.9	57	SW	3	0	1009.5	-3	57	+2	SSW	4	-	omv	4	3	61	53	omqbc	bc	omdcm	0				
Roche's Point	1019.5	57	NSW	4	0	1018.4	-1	56	+1	SW	3	-	0	3	0.3	60	54	op	0	0	3.6				
Birr Castle	1016.6	60	W	2	C	1015.6	0	57	+4	S	2	-	C	2	-	61	53	C	C	C	0				
Donaghadee	1013.6	61	N	3	bc	1014.6	-1	56	-1	SW	2	-	om	2	-	64	54	amp	amp	bcm	0				
Liverpool (Bisdon)	1016.8	60	SW	5	0	1019.0	0	56	+3	SW	2	W	0	2	-	63	51	p.0.0	bc.0	bc.0	2.7				
Holyhead	1016.6	59	NSW	5	cg	1018.1	0	55	0	SW	5	-	opdm	4	0.4	63	54	ocqbc	bc.cq	c.opdm	5.7				
Pembroke (St. Ann's Head)	1020.3	58	NSW	4	b	1020.7	0	54	+1	SSW	3	SW	ov	4	-	59	56	b	b	bc.0v	12.0				
Scilly (St. Mary's)	1022.7	60	NSW	2	b	1022.0	-1	57	+1	SSE	2	SW	cv	2	-	63	55	cv	c.bc.b	bcv	6.0				
Jersey (St. Aubin)	1023.9	61	NNW	5	b	1023.9	0	56	+2	NNW	3	-	0	2	-	63	48	b	b	bv.0	13.9				
Portland Bill	1021.5	59	NSW	5	bc	1021.5	+2	58	0	WSW	3	-	bc	3	-	61	55	bc	bc	bc	0				
Dungeness	1019.4	61	SW	5	bc	1023.0	+2	59	0	SW	2	-	b	2	-	67	43	bc.c	bc	bc	0				
Wick	1004.6	59	NNW	2	bc	1009.0	0	55	-3	SSW	2	-	C	2	-	60	50	b.bc	bc	bc.0m	0				
Nairn	1005.9	59	N	2	C	1010.5	0																		

* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

‡ For code see page 3.

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 14.7.1920.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers.				
				Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
1. S.E. England	Fine.	V.Good.	Smooth	12	13 th	0320	53	54
2. E. England	Fine to cloudy.	Good.	Smooth	4	13 th	0350	55	54
3. E. Midlands	Fine to cloudy.	Good.	-	3	13 th	0910	54	60
4. W. Midlands	Fair to dull.	Good.	-	1	13 th	1120	57	60
5. S.W. England	Fair to dull.	Variable	Slight	6	13 th	1415	60	60
6. South Wales	Dull.	V.Good.	Mod.	2	14 th	0045	55	57
7. North Wales	Dull, some drizzle.	Fair.	Mod.	7	14 th	0230	58	59
8. N.W. England	Dull.	Good.	Slight	4	14 th	0300	58	56
9. N. Midlands	Dull to cloudy.	Good.	-					
10. N.E. England	Fair to cloudy.	Good.	V.Smooth					
11. E. Scotland	Dull to cloudy.	Fair.	Smooth					
12. S.W. Scotland	Dull.	Good.	Slight					
13. Isle of Man	Dull.	Good.	Smooth					
14. N. & N.W. Scotland	Dull to cloudy.	Indiff.	Mod.					
15. Hebrides	Rain or drizzle, squally.	Poor.	Rough.					
16. Orkneys and Shetlands	Cloudy, misty.	Indiff.	Smooth					
17. N.W. Ireland	Mist and rain.	Indiff.	Mod.					
18. N.E. Ireland	Dull, misty.	Indiff.	Mod.					
19. S.E. Ireland	Dull, local squalls.	Good.	Slight					
20. S.W. Ireland	Dull.	V.Good.	Slight					

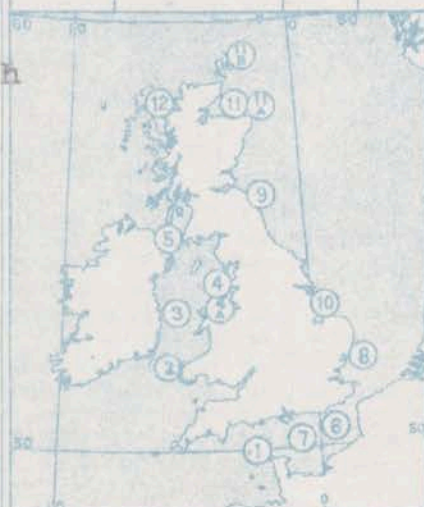


Chart of Position Numbers



EXPLANATION
 BAROMETER. - Isobars are drawn at intervals of two millibars.
 WIND. - Direction is shown by the arrow. Force is shown by the number of feathers. Mean velocity is shown by the number in the center of the circle. Maximum velocity is shown by the number in the outer circle.
 TEMPERATURE. - Mean temperature is shown by the number in the center of the circle. Maximum temperature is shown by the number in the outer circle.
 WEATHER SYMBOLS.
 ○ clear sky.
 ● sky 1/4 clouded.
 ⊙ overcast sky.
 * snow. ▲ hail.
 T thunder.
 SEA DISTURBANCE.
 Rough.

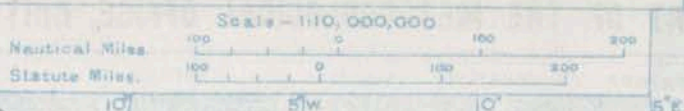
GENERAL INFERENCE from observations received up to 9h.G.M.T.

Another depression off the West of Ireland is moving North-North-East and is likely to cause some drizzle or showers in the most Western and Northern districts. In the East and South the weather will probably be fair during the ensuing 24 hours.

Districts.	Forecasts for the 24 hours commencing 15h.G.M.T. Wednesday, 14th July, 1920.
1. S.E. England	Wind South-West, light or moderate, fair generally, cloudy at times; visibility good; temperature rising a little.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind South-West or South, light or moderate, fresh at times locally; variable sky, local showers; visibility fair or good; temperature changing little.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Same as 1 - 4.
10. N.E. England	
11. E. Scotland	Wind South or South-West, light or moderate; cloudy or variable sky; some drizzle or showers - mainly in the West; visibility fair; temperature changing little.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	Wind South or South-West, moderate, fresh locally; cloudy or overcast; some drizzle or showers; visibility mainly fair; temperature changing little.
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

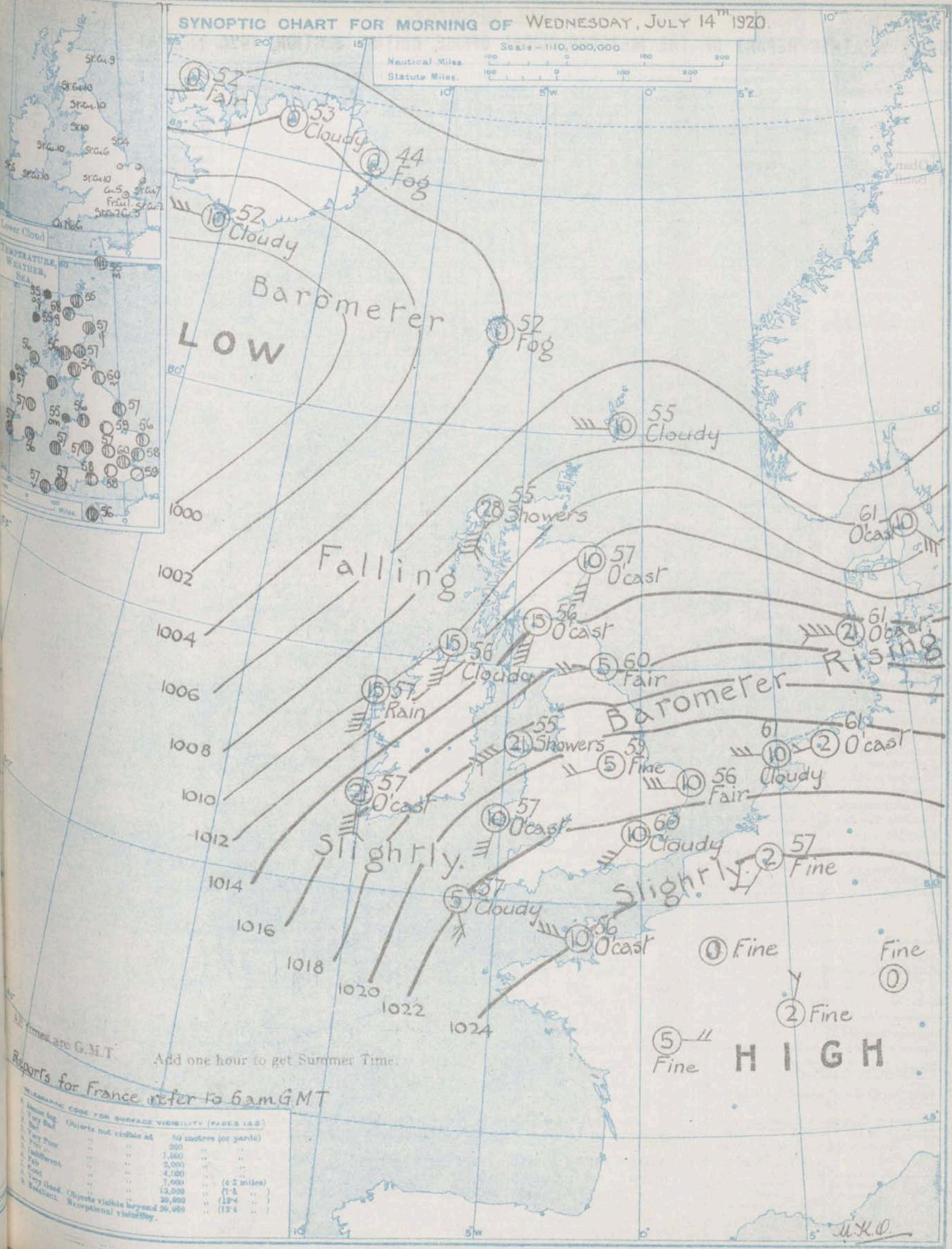
Withheld.

SYNOPTIC CHART FOR MORNING OF WEDNESDAY, JULY 14TH 1920.



EXPLANATION
 R. - barometer
 of two millibars
 section is shown
 with the wind. Force
 indicated by the
 Mean velocity in
 by figures in
 SYMBOLS
 sky.
 clouded.
 cast sky.
 ball.
 under.
 R. - barometer
 high.
 Further Outlook.

held.



Reports for France refer to 6am GMT. Add one hour to get Summer Time.

SYNOPTIC CODE FOR SURFACE VISIBILITY (PAGE 122)

Visual range	Objects not visible at	50 metres (or yards)
Very Poor	"	200
Poor	"	1,000
Indifferent	"	2,000
Good	"	4,000
Very Good	"	12,000
Excellent	Objects visible beyond 20,000	20,000

Visual range in miles: (4.2 miles) (7.5 ") (12.4 ") (19.4 ") (24.4 ")

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 196.

Wednesday
14th July.

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-13h.	Day. 13h-17h.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-13h.	Day. 13h-17h.	to 17h.	Sunrise to Sunset.
Scotland.									Douglas (I.O.M.)	-	-	62	51	2	-	2.1	0.7
Oban ...	rd	co	58	52	6	1	0.6	0.0	Blackpool ...	o.c	-	63	54	0.3	-	1.0	2.1
Banff ...	b.bc	opc	65	52	-	-	4.0	1.9	Southport ...	o.c.bc	e.bc.c	63	54	1	-	1.2	1.2
Montrose ...	bc	bc.c	66	50	-	-	-	-									
St. Andrews ...	-	-	67	46	3	-	6.5	1.0									
England, N.E.									Midlands.								
Harrogate ...	c.c.op	ooc	58	50	0.1	0.4	1.4	1.1	Buxton ...	rbo.c	e.bc.c	55	49	1	0.1	2.0	1.8
Scarborough ...	b	b	60	53	1	-	5.1	4.7	Leamington Spa ...	c.b	c.b	57	50	2	-	8.5	0.8
Skegness ...	bc	bc	65	53	-	-	6.4	5.9	Malvern ...	c	c	64	52	-	-	8.9	0.8
England, E.									Wales.								
Lowestoft ...	c.bc	bc	68	56	-	-	9.9	2.4	Bath ...	o.cbc.b	b.bc.c	65	55	1	-	7.8	0.7
Felixstowe ...	c	bc	69	56	-	-	9.2	4.3	Rhyl ...	c.bc	b	66	53	0.4	-	8.5	5.1
Southend-on-Sea ...	c.bc	bc	69	53	-	-	8.4	3.2	Colwyn Bay ...	-	-	63	54	-	-	3.8	5.1
									Llandudno ...	c	c.bc	63	53	1	-	3.5	6.3
England, S.E.									Aberystwyth ...	o.c	c.o	61	56	-	-	7.0	0.9
Tunbridge Wells ...	b.bc.b	bc	69	50	-	-	7.6	2.0	Swansea ...	-	-	64	54	2	-	7.0	1.7
Margate ...	bc	bc	70	55	-	-	8.8	2.1									
Ramsgate ...	-	-	68	53	-	-	7.5	2.0	Weymouth ...	c	c	68	55	-	-	2.2	2.4
Folkestone ...	bc	c.bc	67	55	-	-	8.8	3.6	Teignmouth ...	bc.c	c.bc.c	64	57	0.4	-	4.9	3.2
Hastings ...	bc.c	bc.b	66	53	-	-	9.9	3.0	Torquay ...	c.bc	bc.c.bc	64	53	-	-	3.4	3.1
Eastbourne ...	bc.b	-	63	55	-	-	11.3	5.2	Paignton ...	bc.c	c	65	50	-	-	6.1	3.6
Brighton ...	bc	bc	65	55	-	-	8.4	3.6	Penzance ...	c.bc	bc	65	54	-	-	1.0	2.2
Worthing ...	bc	bc	65	53	-	-	9.3	5.3	Newquay ...	c	c	62	55	1	-	1.0	2.2
Littlehampton ...	bc	bc	64	56	-	-	7.0	4.6	Bude ...	bc.o	o	62	55	1	-	2.8	1.7
Portsmouth (S. Sea) ...	-	-	66	55	-	-	8.3	1.0	Ilfracombe ...	c	bc.c.o	61	56	-	-	4.3	0.7
Bournemouth ...	-	-	67	66	-	-	9.0	0.5	Weston-s-Mare ...	bc.p.c	bc.c	64	57	1	-	5.0	1.6
Ventnor (I. of W.) ...	-	-	63	54	-	-	8.9	1.0	Terby (S. Wales) ...	bc	bc.c	63	53	-	-	-	-

SUMMARIES FOR PAST 24 HOURS.

BEAUFORT NOTATION.

THE BEAUFORT SCALE OF WIND FORCE.

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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
r.r. = continuous light rain.

No.	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	1.5-3.5
3	8-13	3.5-6.4
4	14-18	6.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.9
7	32-38	13.9-17.1
8	39-46	17.2-20.4
9	47-54	20.5-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5
12	Above 75	33.6 or above

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

SOUTH KENSINGTON (Meteorological Office).

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

Stations.	14th AND 15th JULY 1920.	
	G.M.T.	G.M.T.
Yarmouth...	3.47	11.59
Greenwich	4.0	12.6
Wick	3.39	12.18
Valencia	4.38	12.47

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 17.27 Joules.

Average Rate 29.2 Milliwatts.

Maximum Rate 88

Stations.	14th AND 15th JULY 1920.	
	G.M.T.	G.M.T.
Yarmouth...	3.47	11.59
Greenwich	4.0	12.6
Wick	3.39	12.18
Valencia	4.38	12.47

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 11.21.30 a.m. to 12.1.30 a.m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	5 0	5 0	100
8 Ursae Minoris	5 0	4 54	98

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to about 68° at many places in the South & South-East, but remained below 65° over a large area elsewhere. Slight showers fell in various localities and the duration of bright sunshine was slight or moderate except on the South coast and in East Anglia.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21,420. Thursday, 15th July, 1920.

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

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 19H.																													
STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		WEATHER.	TEMP. °F.	HUMIDITY. %	VISIBILITY. 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		WEATHER.	TEMP. °F.	HUMIDITY. %	VISIBILITY. 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.	
			Dir.	Force						Form.	Amt.	Form.	Amt.				Dir.	Force						Form.	Amt.				
			0-12.	0-10.						0-10.	0-10.	0-10.	0-10.				0-9.	0-10.						0-10.	0-9.				
13H. G.M.T. 14 ^h																													
Renfrew.	1012.7	-2	SSW	5	og	61	75	7	1250	Fea	5	A St	4	*	1011.9	0	SW	3	of 2.3 f	56	92	7	1250	Nb	10	-	-	4	
Esksdalemuir	1014.6	-1	SSW	5	o	57	75	7	3000	Nb	10	-	-	*	1013.6	-1	SSW	4	o	54	85	7	2000	St	10	-	-	3	
Valencia (Cahire'n)	1013.1	-2	S	5	ot	57	72	6	750	St	10	-	-	3	1012.7	0	SW	4	c	59	85	8	2000	cu	6	ci	1	3	
Baldonnel	1014.8	-2	SW	4	og	60	75	8	3000	St	7	A St	2	*	1012.7	-3	SSW	4	cd	58	92	6	1250	St	6	A St	4	*	
Ross on Wye	1019.8	-2	WSW	4	og	63	85	8	3000	St	8	ci	1	*	1018.3	-2	W	3	o	62	65	8	4200	St	9	-	-	*	
Didsbury	1018.3	-1	SSW	5	o	61	85	8	5700	St	9	-	-	*	1016.9	-1	SW	4	o	60	65	8	5700	St	9	-	-	*	
Falmouth	1021.1	-1	SSW	4	o	60	75	7	-	Nb	10	-	-	*	1019.1	-3	SSW	4	c	60	75	8	-	St	7	-	-	*	
Calshot (Hants)	1021.9	-2	SSW	3	bc	63	85	8	4200	cu	2	ci	1	2	1020.1	-2	SW	3	bv	61	75	9	-	-	ci	1	2	*	
Lymington (Folkestone)	1022.9	-1	SW	3	bc	66	85	8	4200	St	3	ci	1	*	1019.9	-4	S	3	bc	61	75	8	4200	cu	1	ci	5	*	
Aberdeen	1011.4	-1	SW	4	bc, f	64	55	7	-	St	5	-	-	3	1010.2	-2	SW	4	o, f	61	65	6	-	St	9	-	-	3	
Howden	1018.1	0	SSW	4	c	62	75	6	4200	St	5	A St	3	*	1016.5	-3	-	0	o	64	65	7	4200	St	10	-	-	*	
Cranwell (Lincs)	1020.1	0	SW	4	o, f	60	85	7	3000	St	10	-	-	*	1018.3	-2	WSW	2	c, f	64	65	7	4200	St	7	-	-	*	
Felixstowe	1021.9	-1	S	4	c	64	65	7	4200	St	8	-	-	1	1019.7	-1	SE	4	bc, j	65	75	7	4200	cu	3	ci	1	1	
Shoeburyness	1021.5	-1	SW	1	bcg	68	55	8	4200	cu	3	A St	2	*	1019.6	-2	SW	2	bc	67	55	8	-	-	ci	2	*		
Benson	1019.8	-3	SW	3	bc	67	55	7	-	cu	5	ci	1	*	1018.9	-1	SW	2	b	65	55	8	-	-	-	-	-	*	
S. Farnborough	1021.2	-2	SSW	4	c	66	65	8	2000	St	7	ci	1	*	1019.2	-2	SW	4	bc	65	65	8	2000	Nb	4	ci	1	*	
London (Kew Obs.)	1021.2	-4	SW	2	bcg	68	55	8	3000	cu	5	ci	1	*	1019.1	-3	SW	3	bc	69	55	8	3000	cu	1	-	-	*	
Croydon	1021.6	-1	SSW	4	c	65	65	8	3000	St	7	ci	1	*	1019.9	-2	SW	3	bc	65	65	8	4200	St	4	ci	1	*	
1H. G.M.T. OF 15 ^h																													
Renfrew.	1010.0	-3	SSW	5	orm	54	97	4	1250	Nb	10	-	-	*	1007.7	-1	SW	4	om	55	85	6	2000	cu	3	ci	6	*	
Esksdalemuir	1010.4	0	SSW	3	bc	55	75	6	-	-	-	-	-	2	1008.5	0	SW	3	o	53	85	7	2000	St	7	-	-	4	
Valencia (Cahire'n)	1010.4	0	SSW	3	bc	55	75	6	-	-	-	-	-	2	1012.0	+2	SW	5	c	56	85	8	2000	cu	7	-	-	*	
Baldonnel	1011.1	0	WSW	3	oda	53	92	5	3000	St	10	-	-	*	1010.9	+1	SSW	4	bc	53	92	7	3000	St	3	A St	2	*	
Ross on Wye	1014.7	-3	S 2	53	92	7	4200	St	3	-	-	-	-	*	1014.3	-2	SSW	3	o, f	57	85	6	1250	St	10	-	-	*	
Didsbury	1016.5	-4	SW	4	o	57	97	5	-	Nb	10	-	-	*	1011.5	-2	S	5	o, f	58	85	4	2000	St	10	-	-	*	
Falmouth	1018.1	-1	SSW	2	c	57	85	8	1250	St	7	-	-	2	1016.3	+2	WSW	4	c	58	92	7	-	cu	7	-	-	*	
Calshot (Hants)	1018.3	-3	-	0	bcw	53	92	8	4200	St	4	ci	1	*	1017.1	-2	SSW	3	o	58	75	8	2000	St	9	-	-	2	
Lymington (Folkestone)	1018.3	-3	-	0	bcw	53	92	8	4200	St	4	ci	1	*	1016.6	-3	W	1	o, f	58	85	7	5700	St	5	A St	5	*	
Aberdeen	1014.7	-3	S 2	53	92	7	4200	St	3	-	-	-	-	*	1007.4	-1	S	3	bc, j	56	75	5	-	St	4	A St	1	2	
Howden	1016.9	-2	SW	3	b	53	92	6	-	-	-	-	-	*	1012.2	-2	S	4	o, f	55	97	5	1250	St	8	A St	2	*	
Cranwell (Lincs)	1016.9	-2	SW	3	b	53	92	6	-	-	-	-	-	*	1014.5	-2	SSW	4	o, f	55	92	7	4700	St	9	A St	1	*	
Felixstowe	1017.0	-2	S 3	60	75	5	5700	St	8	A St	2	*	1017.0	-2	S	3	o, j	60	75	5	5700	St	8	A St	2	1			
Shoeburyness	1015.2	-3	SSE	1	o	58	85	7	-	St	10	-	-	*	1016.5	-1	SW	1	o	58	85	6	2000	St	5	A St	3	*	
Benson	1016.4	-1	S 3	56	92	7	1250	Nb	7	A St	2	*	1015.2	-3	SSE	1	o	58	85	7	-	St	10	-	-	-	*		
S. Farnborough	1016.3	-1	SSW	2	cm	58	85	6	3000	St	6	A St	2	*	1016.4	-1	S	3	o, f	56	92	7	1250	Nb	7	A St	2	*	
London (Kew Obs.)	1016.3	-1	SSW	2	cm	58	85	6	3000	St	6	A St	2	*	1016.3	-1	SSW	2	cm	58	85	6	3000	St	6	A St	2	*	
Croydon	1016.9	-2	SW	2	o, f	57	85	7	4200	St	5	A St	4	*	1016.9	-2	SW	2	o, f	57	85	7	4200	St	5	A St	4	*	
STATIONS CONTRIBUTING REPORTS AT 7H. AND 15H.																													
STATIONS.	BAROM. at M.S.L. mb.	Temp. °F.	WIND.		WEATHER.	BAROMETER. at M.S.L. mb.	TEMPERATURE. Temp. °F.	WIND. Dir.	FORCE 0-12.	DIREC. of UPPER CLOUD.	WEATHER.	SEA 0-9.	RAINFALL mm.	TEMP.		WEATHER.			SUNSHINE Hours.										
			Dir.	Force										Max. °F.	Min. °F.	Morning.	Afternoon.	Night.											
			0-12.	0-10.																									
15 ^h																				14 ^h									
Lerwick	1008.4	56	S	1	bcm	1006.6	0	54	-1	S	1	5	omr	1	9	54	49	cm	bcm	bc	*								
Stornoway	1008.4	57	SW	3	c	1002.2	-3	54	-1	S	6	-	op	5	3	57	51	od	od.c	op	1.3								
Castell Bay (Barra)	1007.5	56	SW	4	bc	1002.5	-1	54	-1	SSW	4	-	op	5	6	56	53	r	r.o. bc	bc.op	3.8								
Malin Head	1007.1	57	SSW	4	o	1004.5	0	54	-2	S	3	3	3	60	51	op	op	bc	0.9										
Blackod Point	1007.2	58	SW	3	bc	1005.7	+1	55	-2	SW	4	3	10	58	50	omr	c.op	bc.cm	0.8										
Roche's Point	1014.2	56	SW	4	cm.d	1003.4	0	56	0	WSW	4	4	6	60	52	o	odm	d.o.c	0.8										
Birr Castle	1011.1	61	SW	2	c	1009.9	0	55	-2	SW	2	3	3	64	54	c.o	c.op	ocp	4.1										
Donaghadee	1012.4	57	SSW	2	omp	1009.8	-1	55	-1	WSW	2	1	1	64	52	cm	omp	omp	*										
Liverpool (Bidston)	1016.2	62	SW	3	bc	1011.6	-1	54	-2	WSW	3	3	2	63	51	c.o	bc	op	1.7										
Holyhead	1014.9	57	SSW	5	op	10																							

Chart of Position Numbers

EXPLANATION.

BAROMETER—Inches and
Intervals of two millions.

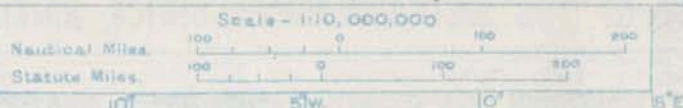
WIND—Direction is shown
By/ing with the wind. Force
0-12, is indicated by a number
In letters. Mean value is shown
per hour by figures in small
letters.

TEMPERATURE—is given in
WEATHER SYMBOLS—

☉ clear sky. ☁ sky 1/2 clouded.
☁☁ overcast sky. ☁☁☁ rain.
❄ snow. ⚡ hail. ⚡ rain.
⚡ T thunder. ⚡ Thunder.
SEA DISTURBANCE—
⚡ Rough. ⚡ High.

The pressure distribution and the changes in progress seem to indicate that a gradual improvement to more settled weather may be expected before long.

SYNOPTIC CHART FOR MORNING OF THURSDAY, 15TH JULY, 1920



PLANATION
 - Isobars are lines of equal pressure.
 - The wind force is shown by the number of lines drawn.
 - The direction of the wind is indicated by the arrow.
 - The height of the clouds is given in feet.
 - The amount of rain is given in inches.
 - The amount of snow is given in inches.
 - The amount of fog is given in inches.
 - The amount of haze is given in inches.
 - The amount of mist is given in inches.
 - The amount of drizzle is given in inches.
 - The amount of rain is given in inches.
 - The amount of snow is given in inches.
 - The amount of fog is given in inches.
 - The amount of haze is given in inches.
 - The amount of mist is given in inches.
 - The amount of drizzle is given in inches.

All times are G.M.T.
 Add one hour to get Summer Time.

WINDING CODE FOR SURFACE VISIBILITY (BASED I.A.R.)		
Code	Meaning	Distance (miles)
0	Less than 1/4 mile	0.25
1	1/4 to 1/2 mile	0.5
2	1/2 to 3/4 mile	0.75
3	3/4 to 1 mile	1.0
4	1 to 2 miles	2.0
5	2 to 3 miles	3.0
6	3 to 4 miles	4.0
7	4 to 5 miles	5.0
8	5 to 6 miles	6.0
9	6 to 7 miles	7.0
10	7 to 8 miles	8.0
11	8 to 9 miles	9.0
12	9 to 10 miles	10.0
13	10 to 12 miles	12.0
14	12 to 15 miles	15.0
15	15 to 20 miles	20.0
16	20 to 30 miles	30.0
17	30 to 40 miles	40.0
18	40 to 50 miles	50.0
19	50 to 60 miles	60.0
20	60 to 70 miles	70.0
21	70 to 80 miles	80.0
22	80 to 90 miles	90.0
23	90 to 100 miles	100.0
24	100 to 120 miles	120.0
25	120 to 150 miles	150.0
26	150 to 200 miles	200.0
27	200 to 300 miles	300.0
28	300 to 400 miles	400.0
29	400 to 500 miles	500.0
30	500 to 600 miles	600.0
31	600 to 700 miles	700.0
32	700 to 800 miles	800.0
33	800 to 900 miles	900.0
34	900 to 1000 miles	1000.0
35	1000 to 1200 miles	1200.0
36	1200 to 1500 miles	1500.0
37	1500 to 2000 miles	2000.0
38	2000 to 3000 miles	3000.0
39	3000 to 4000 miles	4000.0
40	4000 to 5000 miles	5000.0
41	5000 to 6000 miles	6000.0
42	6000 to 7000 miles	7000.0
43	7000 to 8000 miles	8000.0
44	8000 to 9000 miles	9000.0
45	9000 to 10000 miles	10000.0
46	10000 to 12000 miles	12000.0
47	12000 to 15000 miles	15000.0
48	15000 to 20000 miles	20000.0
49	20000 to 30000 miles	30000.0
50	30000 to 40000 miles	40000.0
51	40000 to 50000 miles	50000.0
52	50000 to 60000 miles	60000.0
53	60000 to 70000 miles	70000.0
54	70000 to 80000 miles	80000.0
55	80000 to 90000 miles	90000.0
56	90000 to 100000 miles	100000.0
57	100000 to 120000 miles	120000.0
58	120000 to 150000 miles	150000.0
59	150000 to 200000 miles	200000.0
60	200000 to 300000 miles	300000.0
61	300000 to 400000 miles	400000.0
62	400000 to 500000 miles	500000.0
63	500000 to 600000 miles	600000.0
64	600000 to 700000 miles	700000.0
65	700000 to 800000 miles	800000.0
66	800000 to 900000 miles	900000.0
67	900000 to 1000000 miles	1000000.0
68	1000000 to 1200000 miles	1200000.0
69	1200000 to 1500000 miles	1500000.0
70	1500000 to 2000000 miles	2000000.0
71	2000000 to 3000000 miles	3000000.0
72	3000000 to 4000000 miles	4000000.0
73	4000000 to 5000000 miles	5000000.0
74	5000000 to 6000000 miles	6000000.0
75	6000000 to 7000000 miles	7000000.0
76	7000000 to 8000000 miles	8000000.0
77	8000000 to 9000000 miles	9000000.0
78	9000000 to 10000000 miles	10000000.0
79	10000000 to 12000000 miles	12000000.0
80	12000000 to 15000000 miles	15000000.0
81	15000000 to 20000000 miles	20000000.0
82	20000000 to 30000000 miles	30000000.0
83	30000000 to 40000000 miles	40000000.0
84	40000000 to 50000000 miles	50000000.0
85	50000000 to 60000000 miles	60000000.0
86	60000000 to 70000000 miles	70000000.0
87	70000000 to 80000000 miles	80000000.0
88	80000000 to 90000000 miles	90000000.0
89	90000000 to 100000000 miles	100000000.0
90	100000000 to 120000000 miles	120000000.0
91	120000000 to 150000000 miles	150000000.0
92	150000000 to 200000000 miles	200000000.0
93	200000000 to 300000000 miles	300000000.0
94	300000000 to 400000000 miles	400000000.0
95	400000000 to 500000000 miles	500000000.0
96	500000000 to 600000000 miles	600000000.0
97	600000000 to 700000000 miles	700000000.0
98	700000000 to 800000000 miles	800000000.0
99	800000000 to 900000000 miles	900000000.0
100	900000000 to 1000000000 miles	1000000000.0

French Observations refer to 6h GMT.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 127.

Thursday
15th July 1920

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 14 th																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-14h.	Day. 14h-17h.	to 17h.	Sunrise to Sun- set.			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-14h.	Day. 14h-17h.	to 17h.	Sunrise to Sun- set.
Scotland.	Oban ...	or		58	51	-	7	0.0	0.6	England, N.W.	Douglas (I.O.M.)								
	Banff ...	0.0	0.0	60	51	0.4	-	4.8	8.3		Blackpool ...	0.0	0.0	64	56	0.2	-	0.3	17
	Montrose ...	bc	bc.0	66	48	-	-	3.1	5.3		Southport ...	0.0	0.0	65	56	-	-	4.0	16
	St. Andrews ...	-	-	66	51	-	-	2.1	8.0										
England, N.E.	Harrogate ...	b.bc.c.0	0.0	61	53	0.4	-	3.4	1.4	Midlands.	Buxton ...	bc.b.c	bc.c	58	49	-	-	1.6	8.5
	Scarborough ...	b	b	66	53	-	-	2.2	5.1		Leamington Spa ...	0	c.b	68	57	-	-	4.0	8.9
	Skegness ...	bc	bc	66	51	-	-	4.7	8.7		Malvern ...	c	c	64	53	-	-	1.9	
	Lowestoft ...	bc	bc	69	53	-	-	9.9	10.9		Bath ...	c.bc.b	b.bc.c.0	66	54	-	-	5.8	7.9
England, E.	Felixstowe ...	bc	bc	65	52	-	-	8.8	10.1	Wales.	Rhyl ...	c.bc	bc	62	55	-	-	4.0	3.7
	Southend-on-Sea ...	0.0	bc	73	50	-	-	9.0	9.3		Colwyn Bay ...	*	*	67	55	-	-	2.8	4.3
											Llandudno ...	c	c.bc	64	55	-	-	0.2	3.5
											Aberystwyth ...	0.0	c.0	61	56	-	-	1.5	7.0
England, S.E.	Tunbridge Wells	bc.b	b	68	49	-	-	10.6	8.4	England, S.W.	Swansea ...	-	-	64	57	0.3	-	12.0	7.6
	Margate	bc.b	b.bc.b	69	52	-	-	9.9	8.6		Weymouth ...	bc	bc	66	52	-	-	4.8	4.7
	Ramsgate			67	48	-	-	10.3	8.4		Teignmouth ...	b.bc	0.0	65	50	-	-	8.4	8.4
	Folkestone	bc.b	bc	67	53	-	-	11.4	8.8		Torquay ...	bc	bc.c.bc	65	52	-	-	0.3	8.0
	Hastings	b	b	66	51	-	-	12.2	11.5	Paignton ...	bc.c	bc.c	66	47	-	-	0.3	8.6	
	Eastbourne	b	b.bc	64	56	-	-	11.0	12.6	Penzance ...	0.0	bc.c	62	52	-	-	0.5	1.5	
	Brighton	c	c.bc.c	65	52	-	-	10.2	8.6	Newquay ...	c	c	63	52	-	-	0.1	1.4	
	Worthing	b	b	66	50	-	-	12.4	10.8	Bude ...	0	c	62	54	-	-	0.6	2.8	
	Littlehampton	b	b	64	52	-	-	12.8	7.9	Ilfracombe ...	0	0	64	56	-	-	3.3	4.8	
	Portsmouth (S. Sea)	-	-	67	53	-	-	12.0	8.4	Weston-s-Mare ...	bc.c	bc.c	65	54	-	-	0.3	5.1	
	Bournemouth	*	*	67	51	-	-	11.5	10.2	Tenby (Wales).	c	c.bc	64	56	-	-			
	Ventnor (I. of W.)	*	*	65	52	-	-	12.6	10.3										

SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.		THE BEAUFORT SCALE OF WIND FORCE.	
STATIONS.		WEATHER.				Max. Temp. F.		Min. Temp. F.		RAINFALL.		No.	Limits of Velocity at about 30 feet above ground.
		7h-13h.	13h-18h.	18h-24h.	24h-7h.	Temp. F.	Temp. F.	Temp. F.	Temp. F.	Day.	Night.		
Renfrew.		bc	bc.c	bc.c	bc.c	64	54	41	1	1	1	0	Less than 1
Eskdalemuir ...		0.0	0.0	0.0	0.0	58	52	52	1	6	6	1	1-3
Valencia (Cahirciveen) ...		0.0	0.0	0.0	0.0	60	54	52	4	1	1	2	4-7
Baldonnel ...		0.0	0.0	0.0	0.0	65	48	48	1	1	1	3	8-12
Ross on Wye		0.0	0.0	0.0	0.0	66	54	54	-	-	-	4	13-18
Didsbury ...		0.0	0.0	0.0	0.0	64	55	47	-	-	-	5	19-24
Falmouth ...		0.0	0.0	0.0	0.0	62	56	56	-	3	3	6	25-31
Calshot (Hants) ...		0.0	0.0	0.0	0.0	65	56	53	-	-	-	7	32-38
Lympne (Folkestone) ...		0.0	0.0	0.0	0.0	67	53	45	-	-	-	8	39-46
Aberdeen ...		2.1	1.0	1.0	1.0	67	54	52	-	-	-	9	47-54
Howden ...		3.0	3.0	3.0	3.0	62	52	48	-	3	3	10	55-63
Cranwell (Lincoln) ...		bc.c	bc.c	bc.c	bc.c	65	51	48	-	2	2	11	64-70
Felixstowe		bc.c	bc.c	bc.c	bc.c	71	54	48	-	-	-	12	Above 70
Shoeburyness ...		bc.c	bc.c	bc.c	bc.c	69	49	45	-	0.2	0.2		
Benson ...		b	b	b	b	69	51	45	-	0.1	0.1		
S. Farnborough		bc.c	bc.c	bc.c	bc.c	70	54	46	-	Trace	Trace		
London (Kew Obs.)		bc.c	bc.c	bc.c	bc.c	66	53	48	-	-	-		
Croydon ...		bc.c	bc.c	bc.c	bc.c	66	53	48	-	-	-		

LONDON OBSERVATIONS.										SOUTH KENSINGTON (Meteorological Office).		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.	
STATIONS.		WEATHER.				Max. Temp. F.		Min. Temp. F.		RAINFALL.		Stations.	Sunrise.
		Morning.	Afternoon.	Night.	24 Hours.	Temp. F.	Temp. F.	Temp. F.	Temp. F.	mm.	mm.		
Greenwich (Royal Observatory)		bc	bc.b	bc.c	73	53	45	-	12.4	51	63	Yarmouth ...	3.48
City (Bunhill Row) ...		*	*	*	70	56	49	-	11.4	59	63		11.59
Westminster (St. James's Park)		*	*	*	72	56	49	-	11.5	53	66		12.6
(Admiralty Arch)		bc.c	bc	bc.c	75	55	51	-	4.5	66	66		12.18
Camden Sq. (British Rainfall)		c.bc	b.bc	*	71	60	49	-	5.4 (18h)	63	63	Wick ...	12.18
Kensington Palace ...		bc	b	*	69	53	48	-	10.4	67	67		12.18
Hampstead Observatory ...		*	*	*	69	53	48	-	10.4	67	67	Valencia ...	12.18
		*	*	*	69	53	48	-	10.4	67	67		12.18

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

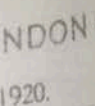
Exposure from 1.45 a.m. to 2.15 a.m.

to 1.55 a.m. to 2.15 a.m.

Stars.	Duration of Exposure.	Duration of Record.			%
		h.	m.	s.	
Polaris	5 0	3	30		70
δ Ursae Minoris	5 0	2	53		58

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to about 70° over a large portion of Southern England. Bright sunshine records were high in the South and South-East, low in the South-West, West, and North. At several places in the South-West of England and South Wales, and locally elsewhere, there was less than one hour. Rain fell at most stations in the North and West, the largest measurement being 12 mm. at Pembroke. At Falmouth a thunderstorm was experienced.



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. B. 21,421 FRIDAY, 16TH JULY...1920.

BRITISH SECTION.

No. B. 21,421

.....FRIDAY, 16TH JULY...1920

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

and in
te or
d the
n places.
G.
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ame
high
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e slight
appear

The barometric change is expressed in half millibars.

§ For code see page 3.

SUMMARY OF CONDITIONS AT 7h. G.M.T. 16.7.20.

Temperature reported from Coastal and
Cross Channel Steamers

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number	Date	Time G.M.T	Sea ° F	Air ° F
1. S.E. England	Fine to dull.	Good	Smooth	10	15 th	0330	56	60
2. E. England	Fine to cloudy.	Var.	"	4	15 th	0300	55	56
3. E. Midlands	Fine to cloudy.	Fair.	--	12	15 th	0320	52	53
4. W. Midlands	Fair to dull.	Fair.	--	5	15 th	0716	52	54
5. S.W. England	Fair.	Fair.	Mod.	3	15 th	0910	54	58
6. South Wales	Dull.	Fair.	Slight	1	15 th	1120	58	59
7. North Wales	Cloudy; some fog.	Indif.	Slight	6	15 th	1428	59	65
8. N.W. England	Dull.	Good.	Mod.	2	16 th	0100	55	56
9. N. Midlands	Dull.	Indif.	--					
10. N.E. England	Fair to dull.	Indif.	Smooth					
11. E. Scotland	Cloudy.	Fair.	Slight					
12. S.W. Scotland	Dull.	"	"					
13. Isle of Man	Dull, misty.	Indif.	Smooth					
14. N. & N.W. Scotland	Cloudy.	Fair.	Smooth					
15. Hebrides	Dull, showery.	Fair.	Slight					
16. Orkneys and Shetlands	Cloudy, misty.	Indif.	Smooth					
17. N.W. Ireland	Cloudy, squally.	Fair.	R. Rough					
18. N.E. Ireland	Dull, showery.	"	Mod.					
19. S.E. Ireland	Dull, some mist & rain.	Poor	Mod.					
20. S.W. Ireland	Dull.	V. Good	"					

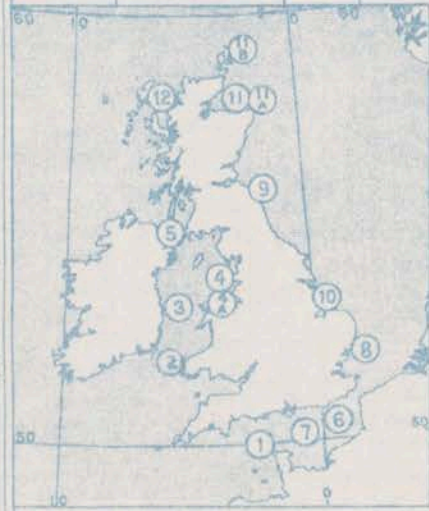


Chart of Position Numbers

GENERAL INFERENCE from observations received up to 9h. G.M.T.

Secondary depressions will continue to cross the British Isles from the Atlantic maintaining a changeable showery type of weather for the next few days with rather squally SW winds, mainly of moderate strength. The temperature will remain about normal for the time of the year.

EXPLANATION

BAROMETER—Isobars are intervals of two millibars.

WIND—Direction is shown by flying with the wind. Force 0-5, is indicated by the number of feathers. Mean velocity in feet per hour by figures in oval.

TEMPERATURES—Is given in degrees.

WEATHER SYMBOLS

☉ sky is clear. ☁ sky is overcast.

✱ snow. ▲ hail.

⚡ thunder.

SEA DISTURBANCE—
Enough.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday 16th June, 1920.
1. S.E. England	Light to moderate South-West wind; Varying amount of low cloud, some showers, visibility good; temperature normal.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	Wind SW, strong at times; Much low cloud, some rain, visibility indifferent to fair. Temperature normal.
8. N.W. England	
9. N. Midlands	Squally SW wind, mainly of moderate strength; Varying amount of low cloud, some showers, visibility fair to good; Temperature normal.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Same as 7 - 9.
13. Isle of Man	
14. N. & N.W. Scotland	Squally SW wind, mainly of moderate strength. Much low cloud, some rain, visibility fair; temperature normal.
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	Same as 7 - 9.
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook

Changeable
showery weather
for the next
days, probably
with considerable
fine intervals
the East and
South of England

Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 128.

Friday

16th July 1920WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 15th

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.
Scotland.									England, N.W.								
Oban ...	bc	bc	59	50	3	1	5.2	0.1	Douglas (I.O.M.)	-	-	62	52	7	-	8.4	0.3
Banff ...	bc	c, op	68	52	0.2	0.1	8.7	4.8	Blackpool ...	r, o, c	-	65	54	5	-	6.7	0.3
Montrose ...	b, bc	bc	66	52	-	-	7.1	3.1	Southport ...	bc, b	b	66	54	4	-	7.3	4.0
St. Andrews ...	-	-	65	53	-	-	7.0	2.1									
England, N.E.									Midlands.								
Harrogate ...	op, bc, b	b, bc, b	64	53	3	-	5.6	3.5	Buxton ...	r, c, bc, b	r, c, bc	63	51	2	1	4.3	0.0
Scarborough ...	o	b	70	53	3	-	4.9	3.0	Leamington Spa ...	dc, b	c, b	69	53	0.2	-	4.2	2.0
Skegness ...	dc, o, bc	bc, b	69	52	0.3	-	4.1	1.9	Malvern ...	c	c	67	58	1.0	0.1	4.4	2.3
England, E.									Wales.								
Lowestoft ...	ot	o, c, bc	69	53	1	-	1.8	11.9	Bath ...	op, bc	bc, b	66	54	1	1	6.9	5.8
Felixstowe ...	c	b	70	56	0.3	-	3.3	10.5	Rhyl ...	c, bc	c, bc	64	55	2	-	6.7	5.3
Southend-on-Sea ...	pl, oc	bc	70	54	0.2	-	4.0	11.2	Colwyn Bay ...	*	*	65	56	2	-	6.7	4.4
England, S.E.									Llandudno ...	-	-	65	54	2	-	8.2	0.2
Tunbridge Wells ...	o, bc, c	o, bc, b	70	52	-	-	4.1	12.7	Aberystwyth ...	r, c, b	b, bc	62	53	4	-	7.3	1.5
Margate ...	c, bc	c, bc, b	72	53	-	-	5.2	12.1	Swansea ...	-	-	63	56	2	-	5.5	14.3
Ramsgate ...	bc	bc	72	53	-	-	6.3	12.5	Weymouth ...	op, bc	b	70	55	0.3	-	8.5	5.2
Folkestone ...	c, bc	bc, b	67	56	-	-	6.6	12.7	Teignmouth ...	cp, b	b	71	56	0.1	0.2	8.0	7.8
Hastings ...	c, bc, b	o, op, bc	67	55	-	0.3	5.2	14.5	Torquay ...	o, bc, b	b	69	57	0.3	-	8.0	8.1
Eastbourne ...	o, bc	bc	64	54	-	-	7.2	12.4	Paignton ...	bc	bc	70	54	1	-	8.7	0.7
Brighton ...	bc	bc	65	57	1	-	5.7	2.6	Penzance ...	c, bc	bc	65	56	2	-	8.5	1.0
Worthing ...	c, bc, c	c, bc	66	53	-	-	5.9	14.4	Newquay ...	c, b	b	63	56	1	-	7.8	0.1
Littlehampton ...	bc	b	64	53	-	-	5.2	14.3	Bude ...	o, c, bc	b	64	57	2	-	6.7	0.6
Portsmouth (S. Sea) ...	-	-	69	55	-	-	6.0	13.2	Ilfracombe ...	c, bc	bc	62	57	4	-	8.5	3.3
Bournemouth ...	*	*	69	55	-	-	5.3	14.3	Weston-s-Mare ...	c, bc	b	65	55	1	-	8.3	0.3
Ventnor (I. of W.) ...	*	*	63	53	-	-	4.8	14.3	Tenby (Wales) ...	bc	bc	64	54	4	-	-	-

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-19h.	19h-7h.				Day. 7h-18h.	Night. 18h-7h.	
Renfrew ...	c, op	o, op	o, f	o, f	64	53	48	mm. 1	mm. 0.2	8.1
Eskdalemuir ...	c	op	bc, c	bc, c, o	60	48	44	0.4	-	4.0
Valencia (Cahirciveen) ...	bc, c, o	c, o	o	o, f, bc, o	62	54	52	-	5	4.5
Baldonnel ...	fg	c, op	c, o	o, d, d	67	52	-	Trace	1	8.5
Ross on Wye ...	c, op, bc, c	b, bc, c	b, bc, c	b, bc, c, o	68	53	46	-	-	7.1
Didsbury ...	c, o	c, op, bc, c	c, o	c, op	67	52	45	1	-	3
Falmouth ...	bc, c	bc, c, bc	b, bc	b, bc, c	65	51	41	-	-	10.8
Calshot (Hants) ...	c, bc, c	b, bc, c	b, bc, c	b, bc, c	66	53	45	-	-	8.0
Lymington (Folkestone) ...	c, op, bc, c	c, op, bc, c	b, bc, c	b, bc, c	69	48	40	-	Trace	7.7
Aberdeen ...	2, f, f	1, f, bc, c	b, bc, c	b, bc, c, f	67	53	46	-	-	9.4
Howden ...	4, 3	3, 9	w, bc, c	w, bc, c	67	51	48	-	-	4.4
Cranwell (Lincoln) ...	o, f, p	bc, c, bc	b, bc, c	b, bc, c	68	48	4	Trace	-	6.3
Felixstowe ...	fg	c, op, bc	b, bc, c	b, bc, c	*	*	*	*	*	*
Shoeburyness ...	c, o, bc, c	bc, c, bc	b, bc, c	1, f, w	71	49	40	-	-	5.9
Benson ...	?	b, bc	b, bc	b, bc, bc	69	44	38	0.2	-	*
S. Farnborough ...	bc, bc	bc, bc	b, bc	b, bc	70	48	?	-	-	6.9
London (Kew Obs.) ...	c, o	p, bc, c	bc, c	w, f	70	51	43	2	-	6.9
Croydon ...	c, f	c, o, bc, c	b, bc	b, bc, c, w	68	51	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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
 R = heavy rain.
 rr = continuous moderate rain.
 r, r = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.9
1	1-3	0.9-1.5
2	4-7	1.6-2.4
3	8-12	2.4-3.3
4	13-18	3.3-4.7
5	19-24	4.7-6.7
6	25-31	6.7-8.5
7	32-38	8.5-10.7
8	39-46	10.7-12.7
9	47-54	12.7-15.0
10	55-63	15.0-17.7
11	64-75	17.7-20.8
12	Above 75	20.8 or above

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 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. 16 th July 1920.												
Greenwich (Royal Observatory)	o	bc, bc, f	K, b, c.	72	49	42	-	6.1	63	63	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	
City (Bunhill Row)	*	*	*	*	*	*	*	5.7	*	*		
Westminster (St. James's Park)	*	*	*	70	51	42	1	5.9	64	63	Total 142.9 Joules.	
(Admiralty Arch)	bc, c.	o, op, bc.	bc, b, bc	72	55	*	1	6.6	60	62		
Camden Sq. (British Rainfall)	c, bc.	bc, f.	*	73	50	48	1	*	75	60	Average Rate. 2.4-5 Maximum Rate. 85	
Kensington Palace	c.	bc, h, b.	*	70	50	46	1	*	49 (18h)	66		
Hampstead Observatory	*	*	*	68	51	*	1	5.9	*	68		
16 th & 17 th July 1920.												
Stations.												
Sunrise.												
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DON:
20.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. 82422 ... SATURDAY, 17th JULY, 1920.

TEMPERATURE.

Max. Min.

°F. °F.

88 70

86 68

84 72

84 68

86 66

82 66

83 73

82 75

86 75

80 63

86 70

91 70

Weather.

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

STATIONS.	BAROM. at M.S.L. mb.	1 Change in 8 hours	WIND.		WEATHER	TEMP. °F.	Humidity. %	VISIBILITY. 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	BAROM. at M.S.L. mb.	1 Change in 8 hours	WIND.		WEATHER	TEMP. °F.	Humidity. %	VISIBILITY. 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	
			Dirac.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				0-9.	Dirac.						Force 0-12.	Form.	Amt. 0-10.	0-9.		
			13H. G.M.T.	16 th						18H. G.M.T. OF	15 th																		
Renfrew.	1009.2	-2	SSW	4	01f	57	85	7	2000	Nb	8	Ast	2	*	1007.2	-1	SSE	5	02f	58	85	5	2000	Nb	6	Ast	4	*	
Eskdalemuir	1011.2	-2	SSW	6	012.3f	54	85	6	1250	Nb	10	-	-	*	1009.8	-1	SSW	5	01m	52	97	5	2000	Nb	10	-	-	*	
Valencia (Cahire'n)	1010.3	0	SW	2	0	57	75	8	2000	Cu	3	Ast	6	3	1009.4	0	N	3	bc	57	85	8	2000	StCu	8	Ast	1	3	
Baldonnel	1010.1	-1	SW	5	01g	58	72	5	750	St	10	-	-	*	1010.0	+2	SW	4	01	54	97	5	1250	Nb	10	-	-	*	
Ross on Wye	1015.1	-3	WSW	3	0	66	65	8	3000	Cu	6	Ast	3	*	1012.7	-4	SSW	3	0	61	75	8	2000	Nb	7	Ast	2	*	
Didsbury	1014.4	-1	SSW	4	012.3f	50	75	5	1250	Nb	5	Ast	5	*	1012.2	-3	-	0	012.3f	58	85	3	1250	Nb	10	-	-	*	
Falmouth	1014.6	-3	SSW	2	01g	63	85	6	-	2NB	7	Cst	2	*	1010.9	-4	S	4	02f	59	72	5	-	StCu	9	-	-	*	
Calshot (Hants)	1017.1	-2	SSW	3	01g	63	85	8	4200	Cu	2	Ast	1	3	1014.4	-3	SW	3	0	63	85	8	4200	StCu	10	-	-	2	
Lympe (Folkestone)	1017.7	-1	S	4	bc	64	75	8	4200	StCu	4	Cst	2	*	1015.2	-3	SW	2	0	67	75	8	4200	Cu	1	Cst	1	*	
Aberdeen	1009.6	+1	S	4	01f	59	75	6	-	Nb	5	Ast	5	2	1008.8	-2	S	3	012.3f	55	92	6	-	Nb	7	Ast	3	2	
Howden	1014.5	-1	SW	3	01g	64	75	6	4200	FrCu	7	Ast	2	*	1012.3	-2	-	0	01g	63	75	8	4200	FrCu	1	Ast	9	*	
Cranwell (Lines)	1015.7	-2	S	4	bc	66	55	8	4200	Cu	5	Cst	1	*	1013.6	-2	S	3	0	65	65	8	4200	FrCu	6	Ast	3	*	
Felixstowe	1017.9	-3	SE	4	bcg	67	65	6	-	-	-	Ast	6	2	1015.5	-2	SE	3	bcg	66	75	7	4200	FrCu	1	-	-	1	
Shoeburyness	1017.3	-2	SW	2	c	70	65	8	3000	StCu	5	Ast	2	*	1015.2	-3	SW	3	by	70	55	8	-	-	Cst	1	-	*	
Benson	1015.4	-3	SSW	3	c	66	65	7	-	Cu	6	Cst	1	*	1013.8	-3	S	3	0	64	75	8	-	St	10	-	-	*	
S. Farnborough	1016.5	-3	SSW	4	bc	70	65	8	2000	StCu	2	Cst	3	*	1014.6	-3	SSW	3	0	67	75	7	2000	StCu	1	Ast	1	-	*
London (Kew Obs.)	1016.7	-3	SSW	4	bcvy	69	65	9	3000	Cu	2	Cst	2	*	1014.2	-4	SSW	3	bcvy	70	55	9	4200	Cu	1	Ast	1	-	*
Croydon	1017.5	-2	S	3	cvy	68	55	9	4200	StCu	3	Cst	5	*	1015.0	-3	WSW	3	bv	67	65	9	4200	StCu	2	Ast	1	-	*
1H. G.M.T. OF 17 th														7H. G.M.T. OF 17 th															
Renfrew.	1009.7	0	SSW	2	02f	51	97	4	2000	St	10	-	-	*	1007.7	0	-	0	02f	52	97	4	5700	StCu	9	-	-	-	*
Eskdalemuir	1010.2	0	W	2	bc	55	85	8	-	-	-	-	-	1	1007.4	-2	NE	1	02f	50	92	5	1250	Nb	10	-	-	-	*
Valencia (Cahire'n)	1010.2	0	W	2	bc	55	85	8	-	-	-	-	-	1	1010.4	+1	WSW	2	0	55	85	8	2000	StCu	7	-	-	-	3
Baldonnel	1008.7	-1	WSW	1	R	51	92	3	2000	Nb	10	-	-	*	1008.6	+3	W	3	c	52	92	5	750	St	5	Ast	2	-	*
Ross on Wye	1007.8	-1	WSW	1	R	51	92	3	2000	Nb	10	-	-	*	1007.6	-1	SSW	3	0	60	92	7	1250	Nb	10	-	-	-	*
Didsbury	1008.5	-2	SW	4	01f	59	97	4	-	Nb	10	-	-	*	1006.4	-4	S	4	01f	60	85	4	750	Nb	8	Ast	2	-	*
Falmouth	1012.1	-1	SSW	4	b	60	92	8	1250	St	2	-	-	3	1010.2	+3	NW	3	01g	56	92	5	-	Nb	10	-	-	-	*
Calshot (Hants)	1012.1	-1	SSE	4	b	60	92	8	1250	St	2	-	-	3	1010.4	-2	SW	4	0	63	85	8	2000	St	10	-	-	-	3
Lympe (Folkestone)	1013.0	-3	E	1	bcw	58	85	8	4200	StCu	4	-	-	*	1010.7	-1	SSW	2	bcf	64	85	7	-	-	-	Cst	3	-	*
Aberdeen	1011.1	-1	-	0	omf	54	97	4	750	Nb	10	-	-	*	1007.7	0	SSW	2	bcz	57	75	6	-	StCu	5	-	-	-	2
Howden	1011.1	-1	-	0	omf	54	97	4	750	Nb	10	-	-	*	1007.9	-1	SSE	3	omR	57	97	5	750	Nb	10	-	-	-	*
Cranwell (Lines)	1012.4	-1	SE	2	0	59	85	7	3000	StCu	8	Ast	2	*	1008.8	-3	S	3	bc	61	97	7	750	St	7	Ast	2	-	*
Felixstowe	1010.8	-3	S	3	bc	63	85	7	-	-	-	-	-	*	1010.8	-3	S	3	bc	63	85	7	-	-	-	FrCu	3	1	*
Shoeburyness	1010.2	-3	-	0	bc	68	65	7	-	-	-	-	-	*	1010.2	-3	-	0	bc	68	65	7	-	-	-	Cst	5	-	*
Benson	1008.9	-2	SSW	4	0	61	92	7	-	-	-	-	-	*	1008.9	-2	SSW	4	0	61	92	7	-	StCu	10	-	-	-	*
S. Farnborough	1010.2	-2	SSW	3	0	61	85	7	-	-	-	-	-	*	1010.2	-2	SSW	3	0	61	85	7	-	St	2	Ast	8	-	*
London (Kew Obs.)	1010.2	-2	SSW	1	02w	62	75	6	4200	StCu	3	Ast	6	*	1010.2	-2	SSW	1	02w	62	75	6	4200	StCu	3	Ast	6	-	*
Croydon	1010.7	-2	SSW	2	cif	62	85	7	5700	StCu	2	Ast	6	*	1010.7	-2	SSW	2	cif	62	85	7	5700	StCu	2	Ast	6	-	*

STATIONS CONTRIBUTING REPORTS AT 7H. AND 13H.

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.	
	mb.	°F.	Direc.	Force 0-12.		at M.S.L. mb.	1 Change in 2 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.		Night.
	18H. G.M.T. of 16 TH					7H. G.M.T. of 17 TH					24 HOURS ENDED 7H. 17 TH					16 TH					
Lerwick	1006.5	56	SE	2	bom	1006.8	-2	SS	0	S	2	-	0	1	-	60	52	bom	bcp	0	*
Stornoway	1004.1	55	SSW	4	cp	1005.5	+1	SSW	4	-	bc	3	2	2	57	52	cp	cp	c.bc	2.1	
Castlebay (Barra)	1004.2	55	N	3	0	1006.1	0	SE	2	-	0	2	2	2	55	52	cp	cp.0	c.c.0p.0	1.2	
Malin Head	1005.1	58	WSW	3	c	1006.8	0	W	2	W	c	2	3	63	49	bcp	bc	c	c	4.3	
Blackod Point	1006.8	58	SW	2	bc	1007.4	0	WSW	1	W	bc	1	0.2	60	50	cg	c	bc	*		
Roches Point...	1009.8	55	NW	2	0	1010.5	+2	S	1	W	c	2	9	57	50	mdrm	rm.0	c.c.	*		
Birr Castle	1008.6	59	SW	1	c	1009.2	0	WSW	1	-	c	1	1	59	51	o.c.p.0	cp	cp.	0.0		
Donaghadee	1008.3	57	SW	4	cm	1008.0	0	N	1	-	cm	1	1	59	52	omr	cm	omr.	*		
Liverpool (Bidston)	1011.8	56	SSW	1	r	1004.5	-1	SE	3	S	0	3	14	60	54	or	or	or	0.0		
Holyhead	1010.8	54	SSW	5	orm	1006.5	+1	N	5	-	orm	4	22	60	52	bo.firm	orm	or.0d.	0.0		
Pembroke (St. Ann's Head)	1010.8	54	SSW	5	orm	1006.5	+1	N	5	-	orm	4	22	60	52	bo.firm	orm	or.m.v.	0.0		
Scilly (St. Mary's)	1011.6	58	S	1	or	1009.1	+3	WNW	4	-	ov	4	12	58	53	sh	or	om.c.	2.2		
Jersey (St. Aubin)	1009.3	59	S	3	qgm	1011.1	+2	NW	2	NW	c	4	1	62	55	bc.c.	okgm.	om.c.	9.7		
Portland Bill	1014.8	68	SE	3	b	1012.3	0	S	2	S	bc	2	-	69	57	bc	c.b.	bc.c.bc.	*		
Dungeness	1014.5	60	SSE	3	bc	1010.0	-3	SW	4	-	at	4	2	62	55	bc	bc	bcqr	*		
Wick	1015.6	65	SW	1	b	1010.5	-2	E	1	-	b	1	-	65	50	c.bc	bc.b	bc.b.	*		
Nairn	1005.1	56	S	2	bc	1008.2	+2	NW	1	-	cm	1	-	60	51	c.0	o.bc	bc.cm	*		
Leith	1005.3	62	SSW	1	c	1006.6	0	-	0	-	c	1	0.1	63	51	bcg	cg	bc.cg.	2.2		
Tynemouth	1007.7	58	SW	2	0	1007.3	0	N	1	-	N	1	1	62	53	o.ch.c.	h.c.g.0	c.c.0d.	*		
Spurn Head	1011.7	56	SSW	2	rm	1008.6	-4	SE	2	-	rm	1	8	63	52	bcmg	omr	omr	*		
Yarmouth	1013.6	63	SW	3	c	1009.3	-3	SSE	3	-	c	3	-	71	55	bcg	c	0	*		
Clacton-on-Sea	1015.5	67	SSW	5	bc	1010.7	-2	SSW	3	-	bc	2	-	67	55	bc.cg	c.bcq	bc	12.1		
Nottingham	1012.2	66	SSW	2	c	1010.2	-2	SSE	3	-	bc	2	-	68	59	bc	bc	bc	13.2		
						1008.1	0	S	2	S	orm	4	1	68	55	c.0	V	c.0	2.7		

SUMMARY OF CONDITIONS AT 7h. G.M.T. 17.7.20.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers.				
				Position Number	Date	Time G.M.T.	Sea °F	Air °F
1. S.E. England	Fair to dull.	Good	Smooth	7	16 ^h	0242	59	60
2. E. England	Fine to dull: some rain	"	"	4A	16 ^h	0354	56	57
3. E. Midlands	Dull.	"	--	8	16 ^h	0436	60	63
4. W. Midlands	Dull	"	--	5	16 ^h	0724	52	54
5. S.W. England	Dull; local rain.	Fair	Mod	3	16 ^h	0910	54	57
6. South Wales	Dull	Good	Mod	6	16 ^h	1410	56	60
7. North Wales	Dull, misty.	Indif.	"	12	15 ^h	2330	51	53
8. N.W. England	Dull; some fog & rain	Poor	Slight	2	17 ^h	0100	56	54
9. N. Midlands	Dull; some rain.	"	--	4	17 ^h	0310	54	55
10. N.E. England	Mist and rain	Indif.	V. Smooth					
11. E. Scotland	Fair to cloudy; some rain	Fair	Smooth					
12. S.W. Scotland	Dull misty; some rain	Poor	"					
13. Isle of Man	Dull, misty.	Indif.	"					
14. N. & N.W. Scotland	Cloudy, misty.	"	"					
15. Hebrides	Fair to dull.	"	Slight					
16. Orkneys and Shetlands	Dull.	Fair	V. Smooth					
17. N.W. Ireland	Fair.	"	"					
18. N.E. Ireland	Cloudy, misty.	Indif.	"					
19. S.E. Ireland	Cloudy.	Good	Smooth					
20. S.W. Ireland	Cloudy.	V. Good	Slight					

Chart of Position Numbers.

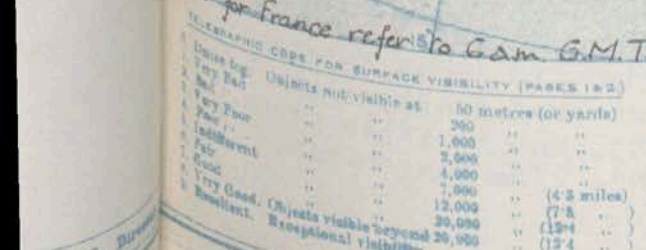
GENERAL INFERENCE from observations received up to 9h. G.M.T.

A depression over the Irish Sea will move North-East causing dull weather with rain at times and local thunderstorms over Scotland and over all except the western districts of England. In Ireland and the West of England the weather will be cloudy with some showers. The wind will vary considerably but will blow mainly from between South and West with moderate strength.

EXPLANATION.
BAROMETER.—Isobars are shown at intervals of two millibars.
WIND.—Direction is shown by the flying with the wind. Force is indicated by the number of barbs. Mean velocity is shown in figures per hour by figures in small circles.
TEMPERATURE.—Mean temperature is shown in figures.
WEATHER SYMBOLS.
 ☉ clear sky. ☁ sky 1/4 clouded. ☁ sky 1/2 clouded. ☁ sky 3/4 clouded. ☁ overcast sky. * snow. ▲ hail. T thunder. SEA DISTURBANCE. Rough. Further Outlook.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday 17th July, 1920.
1. S.E. England	Moderate South-West wind; dull, clouds low, some rain, considerable risk of thunder; visibility fair to good; warm.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Moderate West to North-West wind. Much low cloud, some showers; visibility good; cooler than of late.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Same as 1 - 4.
10. N.E. England	Moderate S to SW wind; dull, clouds low, some rain considerable risk of thunder; visibility fair; temperature normal.
11. E. Scotland	
12. S.W. Scotland	Wind light and indefinite, then moderate from SW; dull, clouds low, some rain, considerable risk of thunder; visibility fair; temperature normal.
13. Isle of Man	
14. N. & N.W. Scotland	Same as 5 - 8.
15. Hebrides	Same as 11 - 12.
16. Orkneys and Shetlands	
17. N.W. Ireland	Light to moderate South-West wind; Much low cloud, some showers; visibility good; temperature normal.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Unsettled for at least two days.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 199.

Saturday

17th JULY

WEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 16 TH																				
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.			STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-18h.	Day. 9h-17h.	to 17h.	Sunrise to Sun- set.				Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-18h.	Day. 9h-17h.	to 17h.	Sunrise to Sun- set.
Scotland.	Oban ...	r. op. c.		60	52	1	1	1.2	5.2	England, N.W.	Douglas (I.O.M.)	-	-	57	52	-	5	0.0	8.4	
	Banff ...	bc. c.	or. c.	65	51	0.1	0.7	2.3	10.1		Blackpool ...	c. op.		61	57	0.3	3	0.0	9.0	
	Montrose ...	bc	op	61	53	-	0.2	1.3	8.2		Southport ...	oo. or	r	60	55	-	2	0.3	8.6	
	St. Andrews ...	-	-	62	52	-	1	0.6	8.6											
England, N.E.	Harrogate ...	-bc. c.	c. or	61	51	-	1	0.6	6.5	Midlands.	Buxton ...	bc. v. bc.	bc. c.	61	50	-	-	3.1	6.7	
	Scarborough ...	bc	o	67	54	-	-	0.0	7.3		Leamington Spa ...	c. b.	c. b.	70	48	-	-	6.5	6.8	
	Skegness ...	b. bc.	bc. c.	70	48	-	-	10.4	5.9		Malvern ...	c	c	66	53	-	-	2.7	5.8	
England, E.	Lowestoft ...	bc	bc	67	51	-	-	?	3.8	Wales.	Bath ...	b. bc. c.	b. bc. c. o.	67	49	-	-	7.0	6.5	
	Felixstowe ...	bc	bc	66	52	-	-	12.5	5.5		Rhyl ...	c	cp	60	55	-	0.4	0.0	6.7	
	Southend-on-Sea ...	bc	bc	74	51	-	-	10.2	6.1		Colwyn Bay ...	*	*	59	55	-	2	0.0	9.7	
England, S.E.	Tunbridge Wells ...	b	b	70	46	-	-	11.4	5.7	Wales.	Llandudno ...	o	p	61	52	-	1	0.0	9.7	
	Margate ...	b. bc. b.	b	72	54	-	-	11.6	5.7		Aberystwyth ...	o. c. o.	c. or	60	53	-	1	0.3	6.3	
	Ramsgate ...	*	*	68	50	-	-	11.9	7.3		Swansea ...	-	-	66	56	-	-	3.8	7.7	
	Folkestone ...	bc. b.	b	68	53	-	-	10.9	8.6		Weymouth ...	bc	b. o. c. o.	66	54	-	-	7.3	10.0	
	Hastings ...	b. bc.	bc. b.	65	54	-	-	9.6	7.2	England, S.W.	Teignmouth ...	b	c. bc. c.	68	51	-	-	7.2	10.0	
	Eastbourne ...	b	o. b.	64	55	-	-	10.4	8.6		Torquay ...	bc. b.	bc. d. c.	62	53	-	-	5.8	9.7	
	Brighton ...	bc	bc. b.	64	51	-	-	10.0	7.9		Paignton ...	bc	c	63	48	-	trace	10.3	10.3	
	Worthing ...	bc. b.	bc	66	51	-	-	9.0	7.8		Penzance ...	c. bc	bc. c. o.	64	53	-	-	3.4	10.3	
	Littlehampton ...	b	bc	64	52	-	-	8.0	7.5		Newquay ...	bc	c	63	53	-	-	3.5	8.9	
	Portsmouth (S. thsea) ...	-	-	66	53	-	-	10.1	7.7		Bude ...	-	-	64	55	-	-	3.3	8.9	
	Bournemouth ...	*	*	66	53	-	-	9.0	7.0		Ilfracombe ...	o. c.	c. o.	66	54	-	-	2.0	10.4	
	Ventnor (I. of W.) ...	*	*	66	55	-	-	9.5	6.7		Weston-s-Mare ...	bc. c.	c. bc	-	50	-	-	0.3	10.4	
											Tenby. (WALES) ...	c. bc	r	62	55	-	2	0.3	10.4	

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. 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. Used only for surface observations.		
		WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.		Sun. Hours.			No.	Limits of Velocity at about 30 feet above ground.	
		7h-13h	13h-18h	18h-1h	1h-7h				Day. 7h-13h	Night. 18h-7h					Statute miles per hour.	Metres per second.
Renfrew.	...	r. o	poz. g	o. f. r	c. a. f	58	50	48	2	1	0.0	0	Less than 1	Less than 0.5		
Eskdalemuir	...	o. d.	r. f. e. g	r. f. e. g	o. f. e. g	57	49	49	8	9	0.0	1	1-3	0.5-1.5		
Valencia (Cahirciveen)	...	c	c. o. bc. c	b. bc.	b. bc. r.	59	51	45	-	-	3.7	2	4-7	1.5-2.5		
Baldonnel	...	g. d. d.	g. r	o. d. d.	o. r. f.	67	50	4	9	1	*	3	8-12	2.5-3.5		
Ross on Wye	...	o. o. o.	c. o. c. c.	o. g. o. g.	o. r. r.	68	56	57	-	5	2.4	4	13-18	3.5-4.5		
Didsbury	...	o. r.	c. o. f. r.	o. r. r.	o. r. r.	61	56	52	0.4	10	*	5	19-24	4.5-5.5		
Falmouth	...	b. c. c.	c. o. a. f.	o. d. d. r.	r. f. o.	64	55	55	-	2	6.7	6	25-31	5.5-6.5		
Calshot (Hants)	...	b. c. c. b. c.	c. o. c.	b. c. c. b. c.	b. bc. c. o.	68	59	?	-	-	9.9	7	32-38	6.5-7.5		
Lympne (Folkestone)	...	o. f. e. g	bc. c. b. bc.	b. bc. c. bc.	bc. c. f.	68	56	50	-	-	13.3	8	39-46	7.5-8.5		
Aberdeen	...	b. bc. c.	o. f. p.	b. c.	b. c. f.	60	53	49	0.2	-	0.1	9	47-54	8.5-9.5		
Howden	...	3	53	r. f. o. f.	r. r. r.	64	54	53	?	17	?	10	55-63	9.5-10.5		
Cranwell (Lincoln)	...	c. o. bc. c.	bc. c. o.	c. o.	c. o. p.	68	55	*	-	0.1	8.3	11	64-75	10.5-11.5		
Felixstowe	...	b. c. g.	b. bc. g.	b. bc.	z. b. bc.	69	57	*	-	*	*	12	Above 75	11.5 or above		
Shoeburyness	...	b. bc. c.	bc. c. b. bc.	b. bc.	b. bc.	73	58	47	-	-	12.8					
Benson	...	b	b. bc. c.	c. o.	c. o.	69	55	49	-	-	*					
S. Farnborough	...	b. bc. c. bc.	bc. c. b. bc.	b. bc.	b. o.	71	57	49	-	-	11.4					
London (Kew Obsy.)	...	bc. ev	v. b. bc.	v. b. bc.	c. o. o. f.	72	55	45	-	-	12.3					
Croydon	...	o. f. bc. c.	bc. c. b. bc.	b. bc. c. f.	bc. c. o.	69	57	59	-	-	*					

LONDON. OBSERVATIONS.										SOUTH KENSINGTON (Meteorological Office).		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.					
Morning.		Afternoon.	Night.	Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		1920.						
24 HOURS ENDED 9H G.M.T. 17 th								YESTERDAY.	TO-DAY.	Vertical Component of Solar Radiation per Square Centimetre during yesterday.		17 th AND 18 th July.		Stations.	Sunrise.	Noon.	Sunset.
												G.M.T.		G.M.T.	G.M.T.	G.M.T.	
Greenwich (Royal Observatory)	b. bc. c.	bc. o	o. c. bc.	74	55	48	-	14.2	52	68	Total 2297..... Joules. Milliwatts. Average Rate. 39.6 Maximum Rate. 82	Yarmouth...	{ 3.50 3.51	{ 11.29 11.29	{ 6.2 6.2		
City (Bunhill Row) ...	*	*	*	*	*	*	*	13.0	*	*		Greenwich	{ 4.4 4.6	{ 12.6 12.6	{ 8.1 8.1		
Westminster (St. James's Park)	*	*	*	71	58	49	-	13.1	61	64		Wick	{ 3.24 3.35	{ 12.18 12.18	{ 9.1 9.1		
.. (Admiralty Arch)	c. bc	bc. b.	b. bc	73	61	*	-	13.3	53	73		Valencia ...	{ 4.41 4.42	{ 12.49 12.49	{ 8.2 8.2		
Camden Sq. (British Rainfall)	bc	b	*	75	57	52	-	*	48	68							
Kensington Palace ...	bc	bc	*	72.4	55	50	-	*	56 (18h)	69							
Hampstead Observatory ...	*	*	*	70	57	*	-	13.0	*	73							

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

Exposure from 21.....h.30..m
to 22.....h.30..m

Stars.	Duration of Exposure.	Duration of Record.	
Polaris	5. 0	4. 51	97
δ Ursae Minoris	5. 0	4. 21	87

NOTES ON THE WEATHER OF YESTERDAY.

Some large falls of rain were recorded, 22 mm at Holyhead, and 17 mm at Howden and Eskdale, but at several stations in East and South-East England there was none; and in these parts there were good records of bright sunshine. The temperature slightly exceeded 70° in a few places.

920.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B21423 ... SUNDAY, 18th JULY, 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 19H.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
STATIONS	13H. G.M.T. 17 th													18H. G.M.T. OF 17 th																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Direc. Force 0-12.	WEATHER	TEMP. °F.	HUMIDITY %	VISIBILITY Feet.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-3.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Direc. Force 0-12.	WEATHER	TEMP. °F.	HUMIDITY %	VISIBILITY Feet.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-3.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Direc. Force 0-12.	WEATHER	TEMP. °F.	HUMIDITY %	VISIBILITY Feet.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-3.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

SUMMARY OF CONDITIONS AT 7h. G.M.T. 18.7.20.

Temperature reported from Coastal and Cross Channel Steamers.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
1. S.E. England	Fair to dull, some rain & haze	Good	Smooth	2	17th	01.00	55.5	54
2. E. England	Dull	Indif	Calm.	5	17th	03.10	54	55
3. E. Midlands	Fine, local haze	"	"	12	17th	04.25	52	54
4. W. Midlands	Fine to cloudy	"	"	5	17th	08.06	53	54
5. S.W. England	Fine to dull	Good	Smooth	2	18th	01.10	54	55
6. South Wales	Cloudy	Fair	"	4A	18th	03.00	56	55
7. North Wales	Overcast	Indif	"	7	18th	03.30	59	60
8. N.W. England	Overcast	Good	"	8	18th	04.30	61	61
9. N. Midlands	Fair generally	Fair	"	3	18th	09.10	54	58
10. N.E. England	Fair or fine, local haze	"	Smooth					
11. E. Scotland	Fair generally	Good	"					
12. S.W. Scotland	Cloudy	"	V. Smooth					
13. Isle of Man	Dull	"	Smooth					
14. N. & N.W. Scotland	Cloudy	Fair	V. Smooth					
15. Hebrides	Fair to overcast	"	"					
16. Orkneys and Shetlands	Fair generally	"	"					
17. N.W. Ireland	Fair generally showery	"	Smooth					
18. N.E. Ireland	Cloudy, local mist	"	V. Smooth					
19. S.E. Ireland	Dull	Good	Smooth					
20. S.W. Ireland	Overcast, slight rain locally.	V. Good	Slight					

Chart of Position Numbers.

GENERAL INFERENCE from observations received up to 9h. G.M.T.

An anticyclone is extending over our Southwestern districts from the Atlantic and generally fair weather seems probable over the greater part of the Kingdom. Shallow depressions existing over France may, however, extend their influence Northward and affect the weather in the South-East of England.

EXPLANATION
 BAROMETER.—Isobars are intervals of two millibars.
 WIND.—Direction is shown by flying with the wind. Force, in knots, 0-12, is indicated by the number of feathers. Mean velocity in knots per hour by figures in circles.
 TEMPERATURE.—Isobars are intervals of two degrees.
 WEATHER SYMBOLS.—
 ☉ clear sky.
 ☁ sky & clouded.
 ☁ overcast sky.
 * snow. A hail. ☼ fog.
 T thunder.
 SEA DISTURBANCE.—
 Rough. High.

Further Outlook

Districts. Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 18th July, 1920.

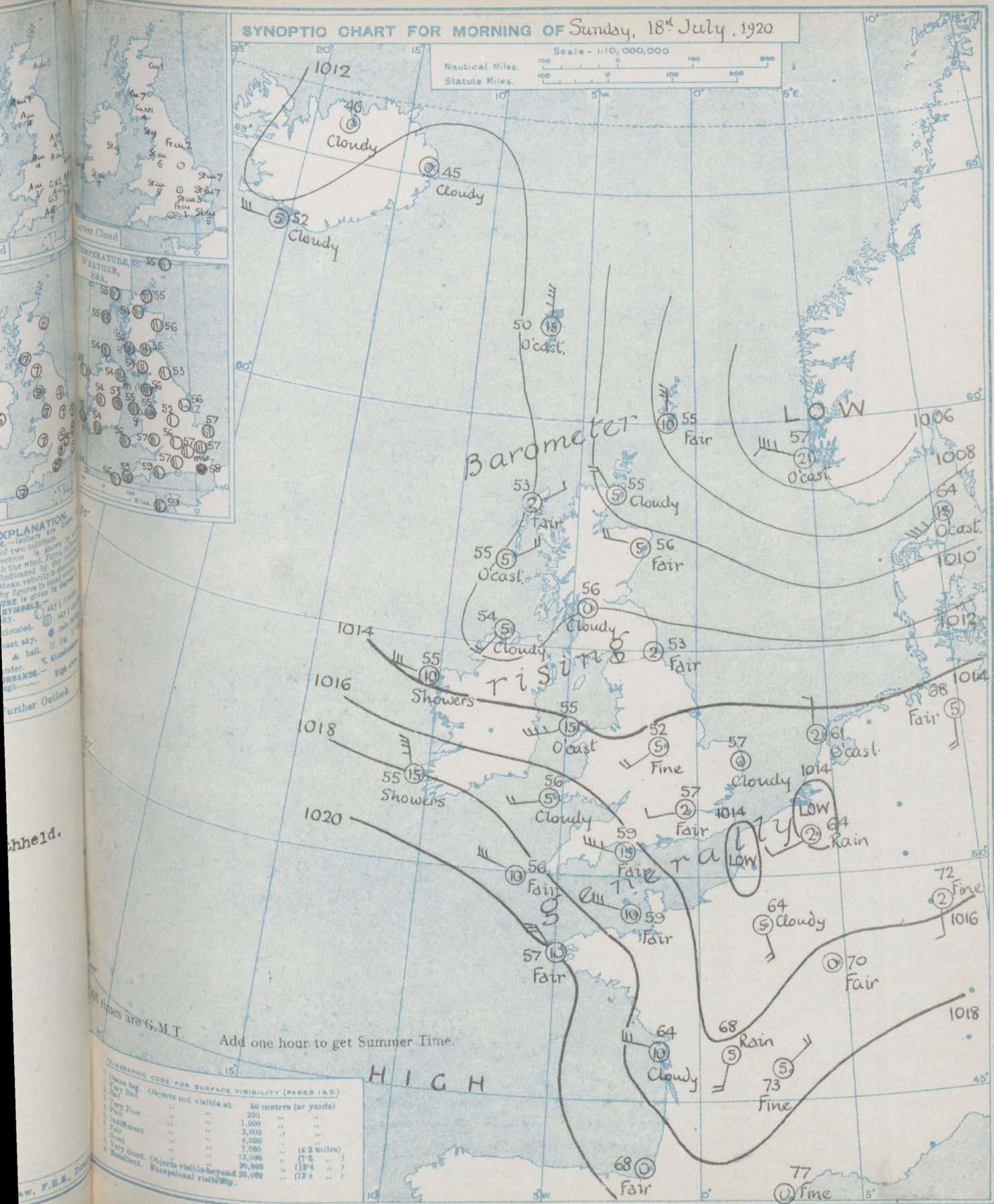
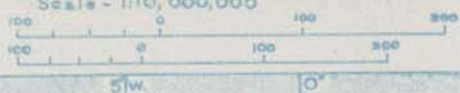
1. S.E. England	Wind light, mainly W or NW, fair or cloudy generally, but perhaps local showers & thunder. Visibility good. No great change of temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	Wind between West and North-West, light, mainly fair
5. S.W. England	or variable sky; visibility generally good. Temperature
6. South Wales	changing little.
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	Wind between West and North-West, light or moderate.
16. Orkneys and Shetlands	Cloudy, local showers; visibility good. Moderate or
17. N.W. Ireland	rather low temperature.
18. N.E. Ireland	
19. S.E. Ireland	Wind between West and North-West, light. Mainly
20. S.W. Ireland	fair; visibility good; rather cool.

Withheld.

SYNOPTIC CHART FOR MORNING OF Sunday, 18th July, 1920.

Scale - 110,000,000

Nautical Miles.
Statute Miles.



Add one hour to get Summer Time.

H I G H

IS			
ALPHABETIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)			
Objects not visible at			
		50 metres (or yards)	
Very Poor	"	200	"
Poor	"	1,000	"
Indifferent	"	2,000	"
Fair	"	4,000	"
Good	"	7,000	"
Very Good	"	12,000	"
Excellent	"	20,000	"
(Objects visible beyond		20,000	"
Exceptional visibility.			"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No 200.

Sunday
18th July

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night, 17th-18th.	Day, 18th-19th.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night, 17th-18th.	Day, 18th-19th.	to 17h.	Sunrise to Sunset.
Oban ...	o.c.	bc.b	60	51	1	-	6.5	1.2	Douglas (L.O.M.)	-	-	63	51	5	1	6.2	0.0
Banff ...	c	pc	59	52	-	-	1.4	3.0	Blackpool ...	o	c	62	53	7	-	5.0	0.0
Montrose ...	or	or	62	51	-	2	1.6	1.3	Southport ...	o.c.	bc	62	54	6	-	4.0	0.3
St. Andrews ...																	
Harrogate ...	o.c.o	c.bc	64	52	12	-	1.5	5.8	Buxton ...	o.c.	bc	59	53	18	0.1	0.4	3.1
Scarborough ...	o	o	69	54	28	3	0.6	0.0	Leamington Spa ...	or	o.b	69	60	2	-	1.0	7.0
Skegness ...									Malvern ...	o.c	o.bc	64	57	5	0.1	1.3	2.7
Lowestoft ...									Bath ...	o	o.c	64	59	4	-	1.0	7.0
Felixstowe ...	bc	bc	75	62	-	-	10.8	14.1	Rhyl ...	-	-	-	-	-	-	3.9	-
Southend-on-Sea ...	bc	bc	78	59	-	-	9.2	12.2	Colwyn Bay ...	-	-	-	-	-	-	-	-
									Llandudno ...	o.c.	o.c.	62	53	7	0.2	2.6	0.0
Tunbridge Wells ...	o.c.	c.o	73	55	-	-	5.2	13.2	Aberystwyth ...	o.c.	bc	61	55	6	-	4.8	0.3
Margate ...	-	-	78	60	-	-	11.3	13.6	Swansea ...								
Ramsgate ...	-	-	75	60	-	-	11.9	14.1	Weymouth ...	o.c.	o.c.	64	59	4	0.4	0.1	7.0
Folkestone ...	b	b	69	61	-	-	11.4	13.1	Teignmouth ...								
Hastings ...	b	bc	71	59	-	-	8.8	11.8	Torquay ...	cp	cp.c	65	57	3	1	0.7	6.0
Eastbourne ...	o.c.	o.c.	65	55	-	-	8.6	12.6	Paignton ...	o.c	bc.c	65	56	1	-	4.5	3.4
Brighton ...	bc.c.o	c.o	66	60	-	-	4.0	11.8	Penzance ...								
Worthing ...	bc.c.o	c.o	65	59	-	0.1	2.4	10.1	Newquay ...								
Littlehampton ...	bc	p.o.c	67	59	-	-	1.8	10.1	Bude ...	o.c.	bc	63	56	1	-	4.3	2.1
Ormskirk (Sthsea) ...	-	-	67	59	-	-	1.8	10.1	Ilfracombe ...	o	c.bc.b	62	57	3	-	3.8	3.3
Bournemouth ...	-	-	64	58	1	1	1.3	9.0	Weston-s-Mare ...	c	bc	64	53	15	-	3.0	0.3
Ventnor (I. of W.) ...	bc.o	bc.c	61	57	2.3	0.3	2.2	9.5	Tenby (Wales) ...								

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	7h-13h	13h-18h	Max. F.	Min. F.	Day, 7h-18h	Night, 18h-7h	Hours.	Hours.
Renfrew ...	o.c.	c.o	65	47	40	0.1	3.2	
Eskdalemuir ...	o.c.	bc.c	60	45	35	0.2	0.6	
Valencia (Cahirciveen) ...	bc.c	c.o	60	54	50	2	8.4	
Baldonnel ...	c.o	c.p	65	50	2	trace	7.2	
Ross on Wye ...	o.c.	bc.c	66	47	41	0.1	2.1	
Didsbury ...	o.c.	bc.c	64	52	44	0.2	4	
Falmouth ...	bc.c	bc.c	64	49	43	-	4.1	
Calshot (Hants) ...	o.c.	bc.c	65	53	0.2	-	3.3	
Lympne (Folkestone) ...	bc.c	bc.c	71	55	45	1	10.9	
Aberdeen ...	o.c.	bc.c	61	50	42	4	1.6	
Howden ...	o.c.	bc.c	66	42	36	6	2.6	
Cranwell (Lincs) ...	o.c.	bc.c	70	47	1	-	1.4	
Felixstowe ...	bc.c	bc.c	73	55	45	-	10.9	
Shoeburyness ...	bc.c	bc.c	69	45	39	-	-	
Benson ...	bc.c	bc.c	72	57	44	1	2.0	
S. Farnborough ...	bc.c	bc.c	73	53	45	0.2	2.6	
London (Kew Obsy.) ...	bc.c	bc.c	71	53	4	-	-	
Croydon ...	bc.c	bc.c	71	53	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, or 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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
rt = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observation.

No.	Limits of Velocity at about 33 feet above ground.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.8	0.3-1.5
1	1-3	1.3-4.8	1.3-4.8
2	4-7	5.4-6.4	5.4-6.4
3	8-12	6.5-7.9	6.5-7.9
4	13-18	8.0-10.7	8.0-10.7
5	19-24	10.8-13.5	10.8-13.5
6	25-31	13.6-17.7	13.6-17.7
7	32-38	17.8-20.7	17.8-20.7
8	39-47	20.8-24.4	20.8-24.4
9	48-54	24.5-28.4	24.5-28.4
10	55-63	28.5-33.6	28.5-33.6
11	64-75	33.7-39.3	33.7-39.3
12	Above 76	39.4 or above	39.4 or above

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.		18 th and 19 th July 1920.							
24 HOURS ENDED 9th G.M.T. 18 th												YESTERDAY.		TO-DAY.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.				Stations.		Sunrise.		Noon.		Sunset.	
																Total				G.M.T.		G.M.T.		G.M.T.		G.M.T.	
Greenwich (Royal Observatory)		bc. c. o		o. r. b		b. o. b		76		54		45		-		5.3		65		54		Yarmouth ... { 3.51 11.59 8.6					
City (Bunhill Row)		"		"		"		"		"		"		"		"		"		"		Greenwich { 4.3 12.6 8.6					
Westminster (St. James's Park)		"		"		"		"		"		"		"		"		"		"		Wick ... { 3.35 12.18 9.6					
" (Admiralty Arch)		bc. c. q		o. r. g		bc. b. bc		72		56		"		0.1		3.5		76		56		Valencia ... { 4.42 12.41 8.51					
Camden Sq. (British Rainfall)		b. bc		bc. c. bc		"		77		53		51		-		"		61		56							
Kensington Palace		c. o. r		o. b		"		75		53		50		0.2		"		63 (18h)		56							
Hampstead Observatory		"		"		"		71		51		51		Trace		3.3		"		55							

DON

20.

TEMPERATURE	
Max.	Min.
95	66
88	72
93	68
84	70
88	66
84	68
85	73
97	75
84	73
86	73
95	68
88	72
92	72

Weather.

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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 1. 424 MONDAY, 19th JULY, 1920.

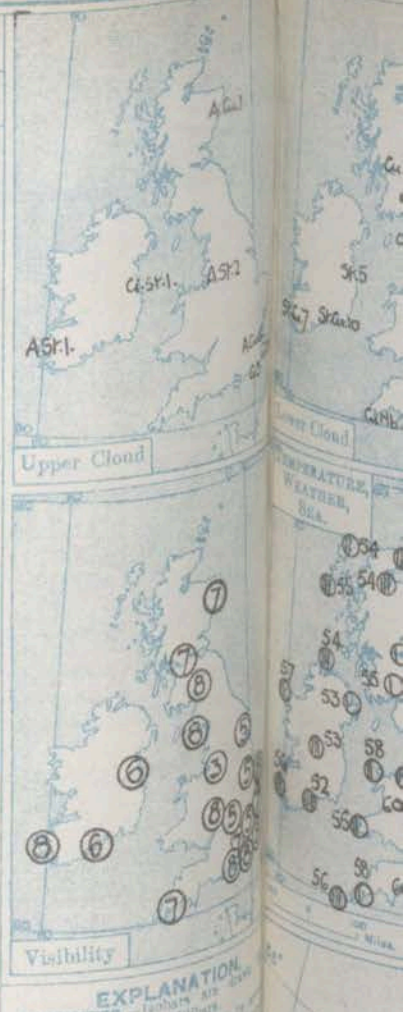
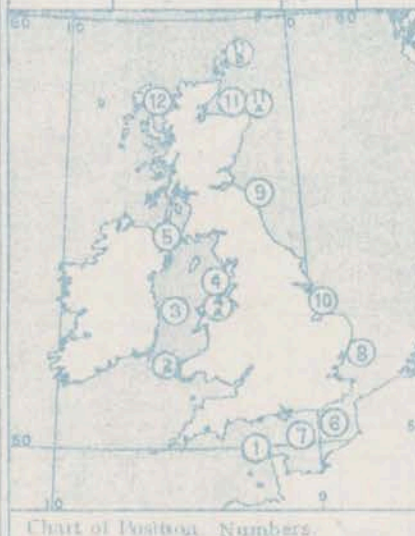
OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 15H AND 18H.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 15H AND 19H.																																				
STATIONS.	BAROM.	Change	WIND.		WEATHER.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.	BAROM.	Change	WIND.		WEATHER.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.								
	at M.S.L.	in 3 hours.	Force	Dir.		°F.				Form.	Amt.	Form.	Amt.		at M.S.L.	in 3 hours.	Force	Dir.		°F.				Form.	Amt.											
	mb.		0-12.							0-10.		0-10.	0-9.		mb.		0-12.								0-10.	0-9.										
13H. G.M.T. 18th																																				
Renfrew ...	1013.7	+1	WSW	3	0	62	65	8	3,000	GuNb	8	Faci. 1	1015.9	+2	NNW	2	0%	59	65	8	2,000	GuNb	7	Fa.Ci 2	1015.9	+2	NNW	2	0%	59	65	8	2,000	GuNb	7	Fa.Ci 2
Eskdalemuir ...	1013.6	+2	W	3	cy t	60	55	8	-	GuNb	7	Fa.Ci 1	1016.2	+3	-	0	0%	55	65	7	-	GuNb	9	Fa.Ci 1	1016.2	+3	-	0	0%	55	65	7	-	GuNb	9	Fa.Ci 1
Valencia (Cahire'n) ...	1021.8	+4	NNW	4	C	58	75	8	2,000	St.Cu	5	A.Cu 3	1024.1	+2	NNW	4	bc	58	75	8	2,000	St.Cu	3	A.Cu 3	1024.1	+2	NNW	4	bc	58	75	8	2,000	St.Cu	3	A.Cu 3
Baldonnel ...	1016.4	+2	WSW	4	?	63	75	8	2,000	Fr.Cu	4	A.St 1	1018.1	+3	NNW	3	or	56	62	6	2,000	Nb	10	-	1018.1	+3	NNW	3	or	56	62	6	2,000	Nb	10	-
Didsbury ...	1015.4	+2	SW	2	c	60	75	6	8,000	St.Cu	2	A.Cu 5	1016.4	+2	W	4	bcg	62	65	7	5,700	St.Cu	4	Fa.Ci 2	1016.4	+2	W	4	bcg	62	65	7	5,700	St.Cu	4	Fa.Ci 2
Ross on Wye ...	1014.5	+2	W	3	bcyr	67	65	9	8,000	GuNb	4	Fa.Ci 1	1018.6	+3	NNW	2	cv	64	55	9	4,200	GuNb	7	-	1018.6	+3	NNW	2	cv	64	55	9	4,200	GuNb	7	-
Falmouth ...	1014.8	+2	NNW	3	bcv	64	65	9	-	St.Cu	4	Ci.Cu 1	1022.0	+4	NNW	4	b	62	65	8	-	Cu	2	-	1022.0	+4	NNW	4	b	62	65	8	-	Cu	2	-
Calshot (Hants) ...	1018.3	+3	SW	4	bc	62	75	8	3,000	St.Cu	3	Ci 1	1019.8	+2	W	3	cv	63	65	9	3,000	St.Cu	7	-	1019.8	+2	W	3	cv	63	65	9	3,000	St.Cu	7	-
Lymington (Folkestone) ...	1017.3	+3	SW	4	0	63	65	8	4,200	St.Cu	4	A.Cu 8	1018.6	+3	SW	4	bcv	61	65	8	3,000	St.Cu	3	A.Cu 2	1018.6	+3	SW	4	bcv	61	65	8	3,000	St.Cu	3	A.Cu 2
Aberdeen ...	1014.0	+3	W	1	?	55	92	6	-	GuNb	10	-	1015.4	+2	NNW	1	bc	57	75	7	-	GuNb	2	A.Cu 5	1015.4	+2	NNW	1	bc	57	75	7	-	GuNb	2	A.Cu 5
Howden ...	1014.6	0	WSW	3	CZ	67	65	6	4,200	Nb	8	-	1016.1	+4	N	2	cl f	61	60	6	4,200	Nb	5	A.Cu 2	1016.1	+4	N	2	cl f	61	60	6	4,200	Nb	5	A.Cu 2
Cranwell (Lincs) ...	1015.5	+1	W	4	oif y	67	35	7	4,200	Cu	6	A.Cu 3	1018.8	+2	N	3	bc	64	65	7	3,000	St.Cu	3	Ci.Cu 1	1018.8	+2	N	3	bc	64	65	7	3,000	St.Cu	3	Ci.Cu 1
Felixstowe ...	1016.6	+2	WSW	3	bcy	68	45	7	4,200	St.Cu	3	A.Cu 2	1018.1	+1	SW	3	bc	65	65	8	4,200	St.Cu	3	A.Cu 2	1018.1	+1	SW	3	bc	65	65	8	4,200	St.Cu	3	A.Cu 2
Shoeburyness ...	1016.6	+1	W	2	c	67	55	6	-	Cu	5	-	1018.1	+2	W	2	bc	64	55	8	-	Cu	3	-	1018.1	+2	W	2	bc	64	55	8	-	Cu	3	-
Benson ...	1017.0	+1	NNW	3	cy	67	55	8	2,000	St.Cu	7	Ci 1	1018.8	+2	W	3	cy	64	55	8	2,000	St.Cu	9	-	1018.8	+2	W	3	cy	64	55	8	2,000	St.Cu	9	-
S. Farnborough ...	1017.1	+1	SW	4	cy	68	55	8	4,200	Cu	5	Ci 3	1018.8	+2	SW	2	c	66	65	8	4,200	Cu	7	A.Cu 1	1018.8	+2	SW	2	c	66	65	8	4,200	Cu	7	A.Cu 1
London (Kew Obs.) ...	1017.4	+2	W	1	cy	65	65	9	3,000	St.Cu	4	Ci.St 3	1018.8	+3	NNW	3	cvy	63	75	7	3,000	GuNb	6	A.Cu 2	1018.8	+3	NNW	3	cvy	63	75	7	3,000	GuNb	6	A.Cu 2
Croydon ...	1017.4	+2	W	1	cy	65	65	9	3,000	St.Cu	4	Ci.St 3	1018.8	+3	NNW	3	cvy	63	75	7	3,000	GuNb	6	A.Cu 2	1018.8	+3	NNW	3	cvy	63	75	7	3,000	GuNb	6	A.Cu 2
15H. G.M.T. OF 18th																																				
Renfrew ...	1020.0	+2	-	0	bc	47	92	8	-	St	5	-	1022.1	+4	SW	1	b	55	76	7	3,000	Cu	1	-	1022.1	+4	SW	1	b	55	76	7	3,000	Cu	1	-
Eskdalemuir ...	1020.0	+2	-	0	bc	47	92	8	-	St	5	-	1022.1	+4	SW	1	b	55	76	7	3,000	Cu	1	-	1022.1	+4	SW	1	b	55	76	7	3,000	Cu	1	-
Valencia (Cahire'n) ...	1020.7	+4	NNW	2	bc	55	-	-	-	-	-	-	1022.8	+4	SSW	3	c	55	85	8	2,000	St.Cu	7	A.St 1	1022.8	+4	SSW	3	c	55	85	8	2,000	St.Cu	7	A.St 1
Baldonnel ...	1023.9	+4	NNN	3	b	49	92	5	4,200	St	3	-	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1
Didsbury ...	1023.9	+4	NNN	3	b	49	92	5	4,200	St	3	-	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1
Ross on Wye ...	1023.9	+4	NNN	3	b	49	92	5	4,200	St	3	-	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1
Falmouth ...	1023.9	+4	NNN	3	b	49	92	5	4,200	St	3	-	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1
Calshot (Hants) ...	1023.9	+4	NNN	3	b	49	92	5	4,200	St	3	-	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1
Lymington (Folkestone) ...	1023.9	+4	NNN	3	b	49	92	5	4,200	St	3	-	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1
Aberdeen ...	1023.9	+4	NNN	3	b	49	92	5	4,200	St	3	-	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1
Howden ...	1023.9	+4	NNN	3	b	49	92	5	4,200	St	3	-	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1
Cranwell (Lincs) ...	1023.9	+4	NNN	3	b	49	92	5	4,200	St	3	-	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1
Felixstowe ...	1023.9	+4	NNN	3	b	49	92	5	4,200	St	3	-	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1
Shoeburyness ...	1023.9	+4	NNN	3	b	49	92	5	4,200	St	3	-	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1
Benson ...	1023.9	+4	NNN	3	b	49	92	5	4,200	St	3	-	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1
S. Farnborough ...	1023.9	+4	NNN	3	b	49	92	5	4,200	St	3	-	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1	1026.9	+4	NNN	3	c	56	85	8	2,000	St.Cu	7	A.St 1
London (Kew Obs.) ...	1023.9	+4	NNN	3	b	49	92	5	4,200	St	3	-	1026.9	+4	NNN	3	c	56	85	8	2,															

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 19.7.1920.

Temperature reported from Coastal and Cross Channel Steamers.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
1. S.E. England	Fine or fair, local mist inland.	Good	smooth	6	18 th	14.30	59	62
2. E. England	Fine or fair.	Good	"	12	19 th	03.20	62	62
3. E. Midlands	Fine or fair, local mist	Indiff	-	5	19 th	07.10	62	54
4. W. Midlands	Fine.	Good	-					
5. S.W. England	Fine to cloudy.	Good	slight					
6. South Wales	Fine or fair.	V.Good	slight					
7. North Wales	Fine or fair.	Good	slight					
8. N.W. England	Fine to cloudy.	Fair	slight					
9. N. Midlands	Fine, some mist.	Indiff	-					
10. N.E. England	Fine or fair, local mist	Indiff	smooth					
11. E. Scotland	Fine to cloudy.	Fair	smooth					
12. S.W. Scotland	Fine.	Good	smooth					
13. Isle of Man	Fair.	"	slight					
14. N. & N.W. Scotland	Fair or cloudy.	"	smooth					
15. Hebrides	Fair or cloudy.	"	slight					
16. Orkneys and Shetlands	Fair or cloudy.	"	smooth					
17. N.W. Ireland	Fair or cloudy.	"	slight					
18. N.E. Ireland	Fine to cloudy.	"	smooth					
19. S.E. Ireland	Fair to overcast.	Fair	"					
20. S.W. Ireland	Cloudy or overcast.	Good	slight					



GENERAL INFERENCE from observations received up to 9h. G.M.T.

The barometer is falling North-Westward of the British Isles, and a renewal of unsettled weather is likely soon in West Scotland and Northern Ireland. In the South and East of England it will probably be fine for at least 24 hours with a rather high temperature. The wind will become Southerly on our western coasts but will be from W. or SW further East, and will be light or moderate in force.

EXPLANATION.
 BAROMETER.—Isobars are shown at intervals of two millibars.
 WIND.—Direction is shown by a flying with the wind. Force is indicated by the number of feathers. Mean velocity is given in miles per hour by figures in circles.
 TEMPERATURE.—Isobars are shown at intervals of two degrees.
 WEATHER SYMBOLS.—
 ☉ clear sky. ☁ sky & clouded. ☁ overcast sky. * snow. ▲ hail. T thunder. SEA DISTURBANCE.—Eough. Further Outlook.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 19th July 1920.
1. S.E. England	Light to moderate west to south-west wind; fine; good visibility; temperature rather high.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Moderate W. to S.W. wind; becoming cloudy; visibility good; temperature about normal.
6. South Wales	
7. North Wales	Moderate W. to S.W. wind; cloudy; visibility good; temperature about normal.
8. N.W. England	
9. N. Midlands	Same as 1 - 4.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Moderate S. to S.W. wind; much low cloud, some rain later, visibility fair to good; temperature about normal.
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Same as 7 - 8.
17. N.W. Ireland	
18. N.E. Ireland	Moderate S.W. to S. wind; much low cloud, some bright intervals; visibility good; temperature about normal.
19. S.E. Ireland	
20. S.W. Ireland	

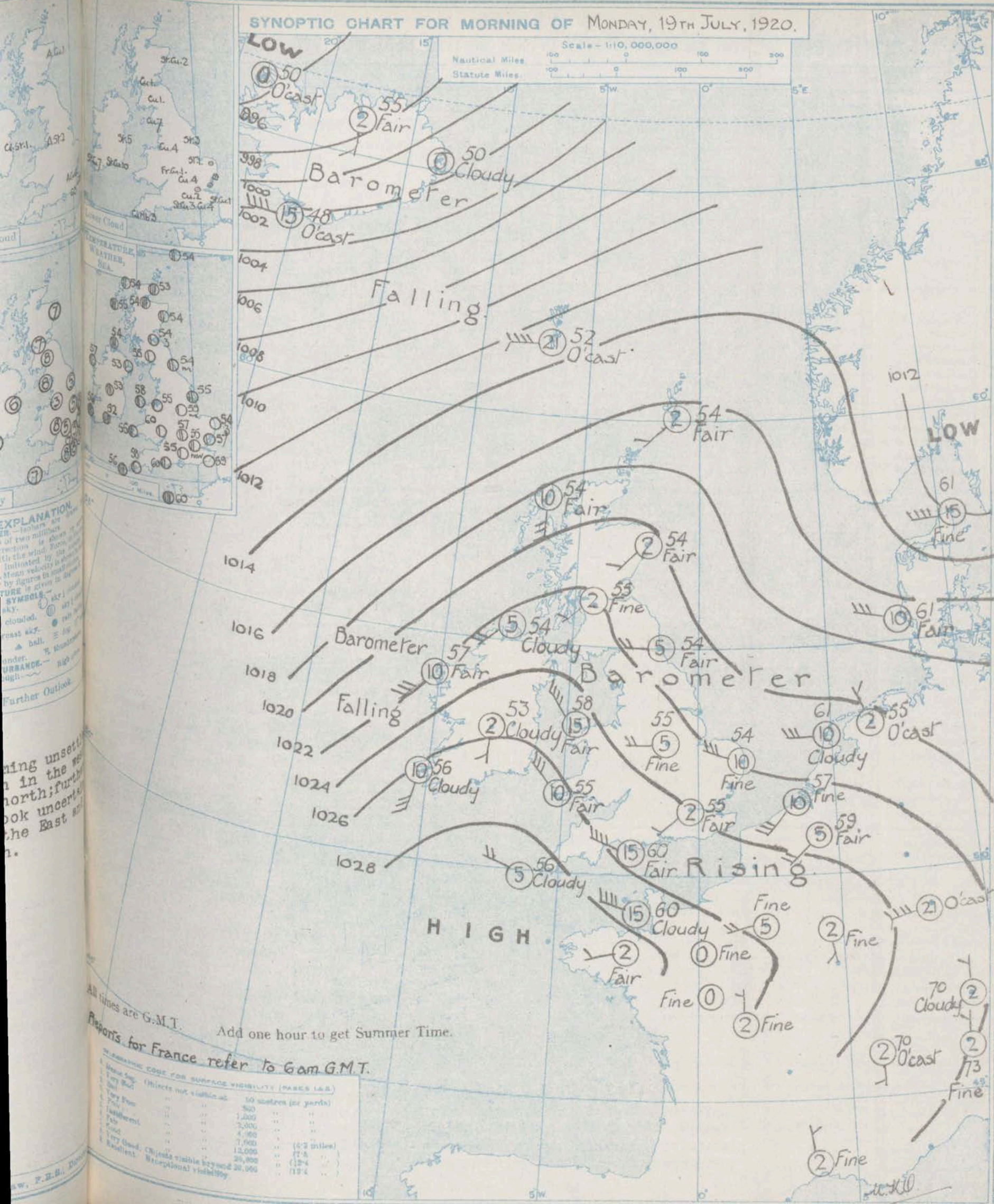
Becoming unsettled again in the west and north; further outlook uncertain for the East and South.

LOW 20 15

Scale - 1:10,000,000

Nautical Miles 100 0 100 200

Statute Miles 100 0 100 200



All times are G.M.T.

Add one hour to get Summer Time.

Reports for France refer to 6am G.M.T.

COST FOR SURFACE VISCIBILITY (PAGES 1 & 2)			
Very Good	50	50	50
Good	100	100	100
Fair	200	200	200
Poor	400	400	400
Very Poor	800	800	800
Unusable	1,000	1,000	1,000
Unusable	2,000	2,000	2,000
Unusable	4,000	4,000	4,000
Unusable	8,000	8,000	8,000
Unusable	12,000	12,000	12,000
Unusable	20,000	20,000	20,000
Unusable	20,000	20,000	20,000

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No 201.

Monday,
19th July.

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 18 th																			
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sun- set.			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sun- set.
Scotland.	Oban									England, N.W.	Douglas (I.O.M.)								
	Banff	c. bc	bc	61	51	2	-	7.7	1.5		Blackpool	c. bc		63	55	-	-	7.1	0.5
	Montrose										Southport	c. bc	bct.	62	53	-	-	7.1	0.5
	St. Andrews																		
England, N.E.	Harrogate	c. bc. b	b	64	46	-	1	6.9	4.3	Midlands.	Buxton								
	Scarborough	b	all r. c.	67	51	-	8.6	4.1	1.5		Leamington Spa	c. b	c. b	66	57	-	1	7.8	2.7
	Skegness										Malvern							8.4	1.3
	Lowestoft	c. bc. bc	bc	69	57	-	-	6.6	?		Bath	b. bc. c	bc. b	67	50	-	-	7.5	?
England, E.	Felixstowe	bc	bc	72	60	-	-	7.2	11.4	Wales.	Rhyl	c. bc	bc. b	62	51	-	-	8.9	3.5
	Southend-on-Sea	c. bc	bc. c	75	54	-	-	6.8	9.8		Colwyn Bay	-		64	53	1	-	5.9	8.3
											Llandudno	cp. c	b	63	51	1	1		
											Aberystwyth								
England, S.E.	Tunbridge Wells	b	bc	69	53	-	-	5.8	5.7	England, S.W.	Tenby								
	Margate	c. b	c	69	58	0.3	-	4.1	11.7		Swansea								
	Ramsgate	*	*	68	56	1	-	3.3	12.2										
	Folkestone	c. c	c. bc	68	57	2	-	5.2	11.6		Weymouth	b	b	67	51	0.3	-	10.0	0.6
	Hastings									Teignmouth									
	Eastbourne	c. bc. b		65	54	2	-	7.2	9.5	Torquay	bc. b	pc. bc	66	52	-	2	7.4	0.7	
	Brighton	c. b. bc	c. bc. c	66	57	0.2	-	8.3	?	Paignton	bc	bc. b	67	49	-	1	8.2	6.3	
	Worthing	b	b	67	56	-	-	9.6	4.0	Penzance	c. bc	bc. b	66	50	-	-	7.3	?	
	Littlehampton	bc	bc	65	58	-	-	10.1	2.6	Newquay	bc. b	bc	62	54	1	-	11.0	6.6	
	Portsmouth (S. thase)	-	-	68	55	-	-	10.1	1.9	Bude	b	b	62	56	-	-	8.8	6.2	
	Bournemouth	*	*	67	50	1	0.3	10.0	1.3	Ilfracombe	cp. bc	bc	62	55	-	0.2			
	Ventnor (I. of W.)	*	*	63	54	-	-	10.5	2.8	Weston-s-Mare									

SUMMARIES FOR PAST 24 HOURS.										
STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL.		Sun. Hours.
	7h-12h.	12h-18h.	18h-7h.	Day. 7h-18h.				Night. 18h-7h.		
Renfrew	c. b. f.	c. bc.	pc. b. bc.	b. bc.	64	47	38	mo.	mm.	4.2
Eskdalemuir	c. b. f.	c. bc.	pc. c. a.	b. bc.	64	38	31	4	2	4.2
Valencia (Cahire'n)	c. b.	bc. c.	bc. c.	c. a.	60	54	47	-	-	0.5
Baldonnel	c. b.	bc. c.	b. bc.							
Didsbury	c. b.	bc. c.	b. bc.	b. bc.	62	47	39	4	-	*
Ross on Wye,	bc. c.	bc. c.	bc. c.	b. bc.	69	51	45	-	trace	10.3
Falmouth	bc. c.	bc. c.	b. bc.	b. bc.	66	52	49	1	-	10.5
Calshot (Hants)	c. b.	bc. c.	b. bc.	b. bc.	66	50		-	-	10.2
Lymington (Hants)	c. b.	bc. c.	b. bc.	b. bc.	67	47	43	trace	-	6.2
Aberdeen	bc. c.	bc. c.	b. bc.	b. bc.	62	47	40	7	0.1	4.9
Howden	c. b.	bc. c.	b. bc.	b. bc.	68	40	34	-	-	12.5
Cranwell (Lincs)	b. bc.	bc. c.	b. bc.	b. bc.	70	47	*	-	-	10.8
Felixstowe	-	-	b. bc.	b. bc.	71	53	*	*	*	*
Shoeburyness	c. b.	bc. c.	bc. c.	b.	71	50	46	-	-	7.5
Benson	b.	b. bc.	b. bc.	b. bc.	70	45	40	-	-	*
S. Farnborough	bc. c.	c. a.	bc. c.	b. bc.	72	45	38	-	-	9.4
London (New Obs.)	bc. c.	c. a.	b. bc.	bc. c.	70	50	41	-	-	8.9
Croydon	bc. c.	b. bc.	b. bc.	b. bc.	69	50	*	-	-	*

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.
h	hail.
m	mist.
p	passing showers.
q	squalls.
rs	sleet, i.e., rain and snow together.
s	snow.
u	ugly, threatening sky.
v	unusual visibility.
w	dew.
y	dry air; humidity less than 60 per cent.
z	dust haze; the turbid-atmosphere of dry weather.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R. = heavy rain.
rr. = continuous moderate rain.
r.r. = continuous light rain.

THE BEAUFORT SCALE.	
WIND FORCE.	
Used only for surface observations.	
No.	Limits of Velocity at about 30 feet above ground.
	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SYMBOLS.	
Aurora	☄
Rime	☄
Glazed frost	☄
Glazed roads	☄

Solar halo	☄
Lunar halo	☄
Solar corona	☄
Lunar corona	☄

LONDON. OBSERVATIONS.	WEATHER.							HUMIDITY %			SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.				
	Morning.	Afternoon.	Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	15 h.			9 h.				
									G.M.T.	G.M.T.						
	24 HOURS ENDED 9H G.M.T. 19 th							YESTERDAY.		TO-DAY.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.	19 th AND 20 th JULY. 1920			
													Stations.	Sunrise	Noon.	Sunset
													G.M.T.	G.M.T.	G.M.T.	
Greenwich (Royal Observatory)	c. c	c. c	c. b	70	49	39	-	8.3	50	62						
City (Sunhill Row)	"	"	"	"	"	"	"	9.7	"	"						
Westminster (St. James's Park)	"	"	b c	71	50	41	-	8.9	49	57						
" (Admiralty Arch)	bc. c	bc.3	bc. b. bc	73	52	"	-	9.5	52	66	Total 1930	Yarmouth...	3.52	11.59	8.5	
Camden Sq. (British Rainfall)	"	"	"	74	49	47	-	"	"	67	..... Joules.	Greenwich	3.54	11.59	8.5
Kensington Palace	bc	bc	"	71	50	46	-	"	61 (18h)	70	Milliwatts.	Wick ...	4.7	12.6	8.4	
Hampstead Observatory ...	"	"	"	70	48	x	-	9.8	"	72	Average Rate. 32.4	Valencia ...	4.8	12.6	8.4	
											Maximum Rate. 88		3.37	12.18	8.51	
													3.34	12.16	8.50	
													4.44	12.27	8.53	
													4.46	12.27	8.53	

Photographic Record of <u>Pole Star (Polaris) and of δ Ursae</u> <u>Minoris at Greenwich Observatory.</u>				NOTES ON THE WEATHER OF YESTERDAY.			
Exposure from $18^h 21^m 30^s$ to $19^h 2^m 30^s$				Thunderstorms occurred along the East coast between Yarmouth and Edinborough, but the rainfall was nowhere very heavy. Bright sunshine was abundant in all parts of the country, amounting to 12 hours in some places, but the temperature did not rise much above 70° .			
Stars.	Duration of Exposure.		Duration of Record.				
Polaris	h.	m.	h.	m.	%.		
δ Ursae	5	0	4	54	98		
Minoris	5	0	4	30	90		



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21425 *Tuesday, 20th July, 1920.*

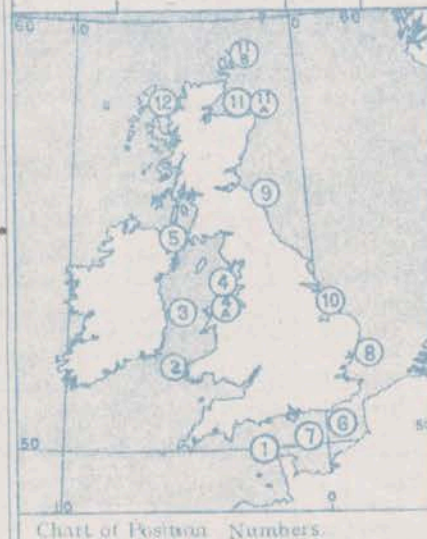
OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 3H, 7H, 12H AND 12H.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 3H, 7H, 12H AND 12H.																																	
STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Dir. Force 0-12.	Weather	TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Dir. Force 0-12.	Weather	TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.											
13H. G.M.T. 19 th																							18H. G.M.T. 19 th										
Renfrew ...	10226	0	SW 4	0	58	65	7	2,000	NB	9	-	10205	-2	SW 4	0	59	75	7	2,000	Scd	10	-	-	3									
Eskdalemuir ...	10235	0	SW 4	c.y.	61	55	8	3,000	Cu	3	3	10209	-2	SW 5	0	56	75	7	3,000	Cu	9	ci	1	3									
Valencia (Cahire'n) ...	10258	-1	S 4	0	55	92	8	2,000	Sc	8	asc	10243	-2	SSW 5	0.7	57	97	5	750	Sc	10	-	-	3									
Baldonnell ...	10250	0	WSW 5	0.9	61	65	7	3,000	Scd	3	-	10228	-2	SW 5	0.9	60	75	6	3,000	Sc	10	-	-	3									
Didsbury ...	10257	+2	W 4	bc	64	55	7	3,000	Fr	4	Fr	10250	0	W 4	bc	62	68	5	3,000	Cu	4	asc	1	3									
Ross on Wye ...	10260	+1	WNW 3	bc	67	55	9	4,200	Scd	6	-	10262	0	W 3	bc	65	55	8	4,200	Fr	2	ci	2	3									
Falmouth ...	10234	+1	WNW 3	bc	66	55	8	-	Cu	3	Cst	10298	0	WSW 3	bc	61	65	9	-	Cu	1	ci	1	3									
Calshot (Hants) ...	10274	+2	SW 4	bc	67	65	8	3,000	Cu	4	-	10279	0	WSW 4	bc	64	75	8	2,000	Cu	1	-	-	3									
Lymington (Folkestone) ...	10268	+2	WSW 4	c	64	75	8	3,000	Scd	6	-	10268	0	SW 4	bc	65	75	8	4,200	Cu	3	-	-	3									
Aberdeen ...	10494	-2	S 4	c	60	75	5	-	Scd	8	-	10479	-2	SSW 3	0	61	55	7	-	Scd	3	asc	7	3									
Howden ...	?	+2	?	bc	66	65	7	4,200	Fr	4	asc	10241	0	W 3	bc	64	65	6	-	-	ci	2	3										
Cranwell (Lincs) ...	10251	+1	WNW 4	c/f	66	65	7	1,450	Cu	7	-	10251	0	WNW 3	bc	66	55	7	5,700	Cu	1	asc	1	3									
Felixstowe ...	10260	+1	WNW 3	c	70	45	7	7,200	Scd	7	-	10262	0	WNW 3	bc	70	55	7	-	Fr	2	-	-	3									
Shoeburyness ...	10261	+2	WSW 1	bc	70	55	7	5,700	Scd	3	asc	10266	0	W 1	bc	70	55	7	7,200	Cu	2	-	-	3									
Benson ...	10256	+1	WNW 2	bc	69	55	7	-	Cu	5	-	10264	0	WSW 2	bc	68	65	6	-	Cu	5	-	-	3									
S. Farnborough ...	10264	+1	WNW 3	c.y.	71	55	8	2,000	Scd	8	-	10266	0	WSW 2	bc	69	55	8	2,000	Cu	3	-	-	3									
London (New Ob.) ...	10266	+1	WNW 1	bc	71	55	8	4,200	Cu	4	asc	10269	0	W 2	bc	72	45	8	3,000	Cu	3	ci	1	3									
Croydon ...	10265	+2	WNW 3	bc	70	55	8	5,000	Cu	6	-	10267	0	WNW 1	bc	63	55	8	4,200	Cu	3	-	-	3									
1H. G.M.T. OF 20 th																							7H. G.M.T. OF 20 th										
Renfrew ...	10184	-2	SSW 4	adm	54	97	2	2,000	NB	10	-	10187	-1	SSW 3	0.2	55	92	4	1,250	NB	10	-	-	3									
Eskdalemuir ...	10251	-1	SW 2	omp.	58	-	-	-	-	-	-	10236	0	SH 3	0.2	54	97	4	4,500	SH	10	-	-	3									
Valencia (Cahire'n) ...	10251	-1	SW 2	omp.	58	-	-	-	-	-	-	10236	0	SH 3	0.2	54	97	4	4,500	SH	10	-	-	3									
Baldonnell ...	10251	-1	SW 2	omp.	58	-	-	-	-	-	-	10236	0	SH 3	0.2	54	97	4	4,500	SH	10	-	-	3									
Didsbury ...	10290	-2	WNW 2	bc	56	92	6	-	SH	4	-	10211	-1	SSW 5	0.9	60	92	5	1,250	SH	9	-	-	3									
Ross on Wye ...	10280	0	W 1	b	53	85	7	-	-	-	-	10244	0	WSW 4	0	58	92	7	2,000	SH	9	Cu	1	3									
Falmouth ...	10280	0	W 1	b	53	85	7	-	-	-	-	10280	0	SW 4	0.1	57	92	4	-	NB	10	-	-	3									
Calshot (Hants) ...	10279	0	WSW 2	bc	53	92	8	-	-	-	-	10280	-1	W 3	0	59	85	8	5,700	Fr	10	-	-	2									
Lymington (Folkestone) ...	10271	0	SW 4	c	58	92	8	-	-	-	-	10271	0	SW 4	c	58	92	8	750	SH	8	Cu	1	3									
Aberdeen ...	10227	-2	SSW 2	c/f	54	85	6	3,000	SH	4	asc	10231	-1	SSW 1	0.2	58	92	4	-	Scd	10	-	-	2									
Howden ...	10227	-2	SSW 2	c/f	54	85	6	3,000	SH	4	asc	10207	-1	S 2	0.1	57	92	6	2,000	SH	7	asc	2	3									
Cranwell (Lincs) ...	10226	0	WNW 2.3	b	54	85	6	-	-	-	-	10229	-2	N 4	0	57	92	6	4,200	Scd	4	asc	0	3									
Felixstowe ...	10226	0	WNW 2.3	b	54	85	6	-	-	-	-	10226	-1	WSW 4	b3	61	75	6	-	-	asc	1	1	3									
Shoeburyness ...	10226	0	WNW 2.3	b	54	85	6	-	-	-	-	10221	-1	WSW 3	6	60	75	7	-	-	asc	2	3	3									
Benson ...	10226	0	WNW 2.3	b	54	85	6	-	-	-	-	10262	-2	SW 3	0	56	85	6	-	SH	9	-	-	3									
S. Farnborough ...	10276	0	WSW 3	0	58	85	8	4,200	SH	6	asc	10271	0	WSW 3	0	58	85	8	4,200	SH	6	asc	4	3									
London (New Ob.) ...	10276	0	WSW 3	0	58	85	8	4,200	SH	6	asc	10267	-1	SW 3	c	59	75	8	3,000	SH	8	-	-	3									
Croydon ...	10280	-1	SW 2	bif	52	92	7	-	-	-	-	10270	-1	SW 3	bc/f	59	75	7	3,000	SH	5	-	-	3									
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																																	
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND. Dir. Force 0-12.	Weather	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.													
					at M.S.L. mb.	Change in 1 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.														
12H. G.M.T. of 19 th																					7H. G.M.T. of 20 th						24 HOURS ENDED 7H. 20 th						19 th
Lerwick ...	10140	53	SSW 2	omr	10097	0	53	-1	WSW 2	-	omd.	1	4	58	50	bc	omr	omp	*														
Stornoway ...	10135	54	SW 6	omr	1014	0	56	-1	SW 3	-	0	2	1	58	54	bc. o. c.	co. d. p.	0	3.4														
Castellbay (Barra) ...	10158	54	SSW 5	or	10135	0	54	-1	W 3	-	0	3	2	56	53	c. o.	or	rdft	0.8														
Malin Head ...	10169	56	SW 4	c	10180	0	56	+2	SW 4	SW	omd.	3	trace	62	53	c.	c.	and	3.3														
Blackod Point ...	10178	58	SW 3	omr	1018	-2	57	0	SW 3	-	omd.	3	4	60	55	bc. p.	omr	and	*														
Roche's Point ...	10266	56	SW 3	0	10241	0	58	+6	WSW 2	-	0	2	1	61	52	o. c. o.	o. r. o.	ed. o	*														
Bir Castle ...	10228	58	S 1	0	10204	-	59	+6	SW 2	-	0	*	1	63	53	c. c.	c. o. r.	o	1.2														
Donaghadee ...	10209	59	SW 3	cm	10209	-1	60	+7	WSW 3	-	omg	2	-	64	52	bc.	c. m. g.	omg	*														
Liverpool (Bidston) ...	10251	61	SW 4	bc	10206	-1	60	+5	SW 4	-	0	4	-	64	52	bc.	bc.	c. o	12.6														
Holyhead ...	10246	58	SW 5	bc	10206	-1	56	-2	SW 6	-	fe	5	1	61	53	bc. c. f.	bc. c. q.	op. feq	10.1														
Pembroke (St. Ann's Head) ...	10285	58	WSW 3	bc	10245	-1	58	+3	SW 3	-	of	3	0.2	60	56	bc.	bc. o. c.	om. of	11.8														
Seilly (St. Mary's) ...	10303	61	W 2	bc	10279	-1	57	+1	WSW 4	-	f	4	0.4	63	56	c. p.	bc.	and. f	12.5														
Jersey (St. Aubin) ...	10303	62	W 3	bc	10298	0	58	-2	WSW 2	-	b	2	-	64	50	c. p.	bc.	bw	14.4														
Portland Bill ...	10278	61	W 4	bc	10278	0	59	-1	WSW 5	-	0	4	-	63	56	bc.	bc.	bc. o	*														
Dungeness ...	10265	63	SW 4	bc	10273	0	60	+1	SW 4	SW	b	3	-	64	49	bc.	bc.	h. bc	*														
Wick ...	1047	56	WSW 2	or	10094	0	57	+4	SW 1	-	0	1	2	39	51	c.	c. o. p																

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 20.7.20.

Temperature reported from Coastal and Cross Channel Steamers.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
1. S.E. England	variable sky; light local mist.	V. Good	slight	1.	19th	11.15	57	62
2. E. England	variable sky.	Fair	smooth	6	19th	14.15	59.5	64
3. E. Midlands	Overcast.	"	-	2	20th	01.10	55	56
4. W. Midlands	Overcast.	Good	-	12	20th	03.01	52	54
5. S.W. England	Dull, local fog & drizzle	Poor	Mod.	4	20th	03.05	56	56
6. South Wales	Dull, local fog on coast.	Indiff	slight					
7. North Wales	Dull, local fog on coast.	"	R. rough					
8. N.W. England	Overcast, local mist and squalls.	Fair	R. rough					
9. N. Midlands	Overcast, local mist.	"	-					
10. N.E. England	Cloudy or overcast, local mist.	Indiff	smooth					
11. E. Scotland	Cloudy or dull; local mist	"	smooth					
12. S.W. Scotland	Dull, misty, light rain locally.	V. Poor.	mod.					
13. Isle of Man	Dull, misty.	Indiff.	R. rough.					
14. N. & N.W. Scotland	Dull.	Indiff.	slight					
15. Hebrides	Dull.	Fair.	mod.					
16. Orkneys and Shetlands	Dull, mist & drizzle at Shetlands.	Poor.	smooth					
17. N.W. Ireland	Dull, local mist & drizzle	"	slight					
18. N.E. Ireland	Dull, local mist, squalls and drizzle.	Indiff	smooth					
19. S.E. Ireland	Dull, local squalls.	Fair	smooth					
20. S.W. Ireland	Dull, local mist.	Indiff	slight					



GENERAL INFERENCE from observations received up to 9h. G.M.T.

A depression moving North-Eastward over the Icelandic region will cause rain or drizzle at times in the western and Northern parts of the British Isles, but in the South and East of England rain is rather improbable during the next day or two. The wind will be moderate to fresh from S.W. or W. generally, and the temperature about normal for the time of the year.

EXPLANATION
 BAROMETER.—Isobars are drawn at intervals of two millibars.
 WIND.—Direction is shown by the flying with the wind. Force in knots 0-12, is indicated by the number of feathers. Mean velocity is shown per hour by figures in square boxes.
 TEMPERATURE.—Isobars are drawn at intervals of two millibars.
 WEATHER SYMBOLS.—
 ☉ clear sky.
 ☁ sky & clouded.
 ☂ overcast sky.
 * snow. ▲ hail.
 T thunder.
 SEA DISTURBANCE.—
 Rough—
 Further Outlook

Districts. Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 20th July 1920.

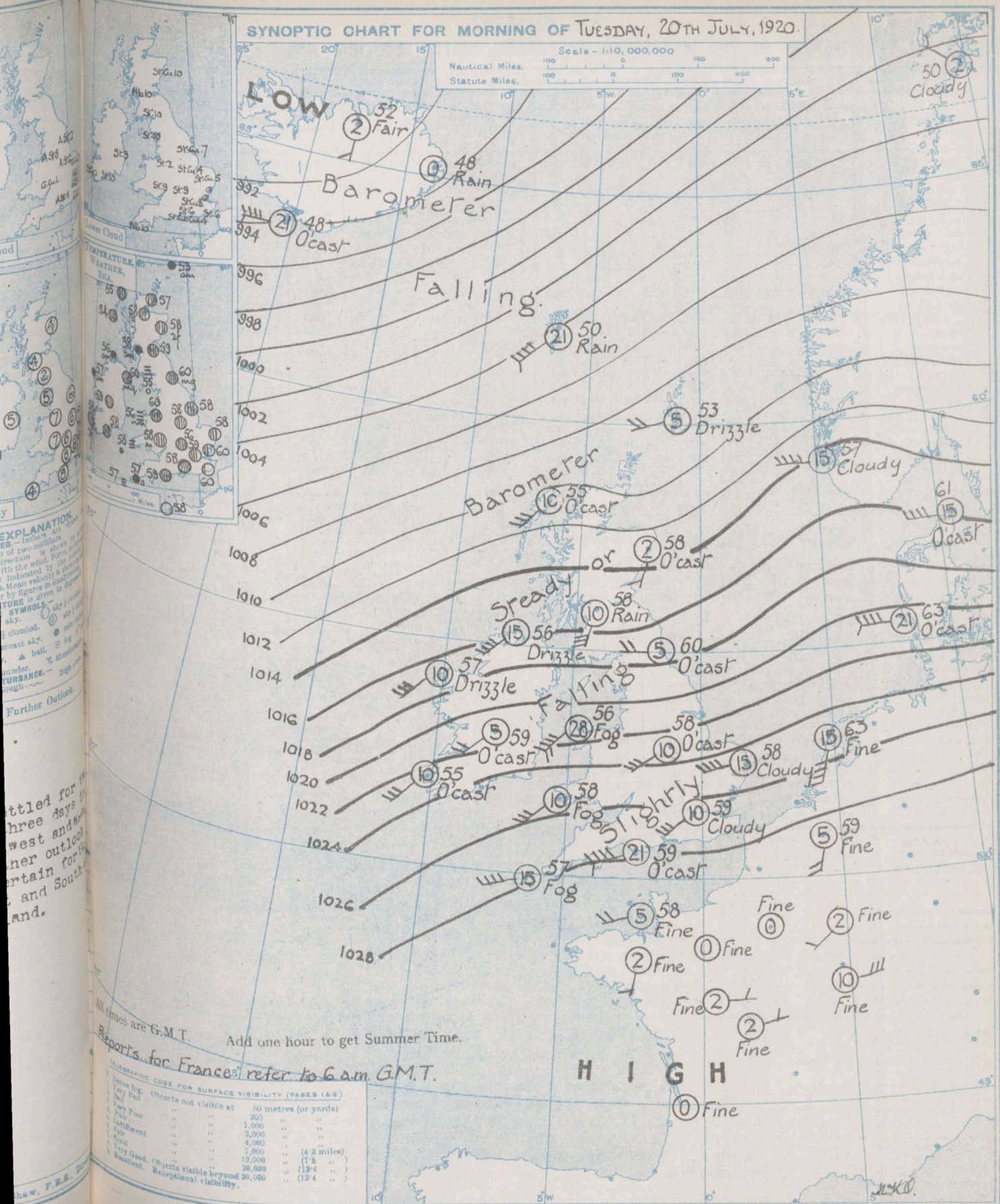
1. S.E. England	wind S.W. to W., moderate to fresh; much low cloud, but some bright intervals; visibility fair to good; temperature normal.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	wind S.W. to W., moderate to fresh; much low cloud, but some bright intervals, occasional light rain or drizzle; visibility indifferent to fair; temperature normal.
6. South Wales	
7. North Wales	wind S.W. to W. moderate to fresh; much low cloud, some rain or drizzle; visibility indifferent to fair; temperature normal.
8. N.W. England	
9. N. Midlands	
10. N.E. England	Same as 5 - 6.
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	Same as 7 - 9.
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	Same as 5 - 6.
20. S.W. Ireland	

Unsettled for two or three days in the west and north; further outlook uncertain for East and South England.

SYNOPTIC CHART FOR MORNING OF TUESDAY, 20TH JULY, 1920

Scale - 1:10,000,000

Nautical Miles
Statute Miles.



All times are G.M.T.

Add one hour to get Summer Time.

reports for Frances refer to 6 a.m. G.M.T.

ALPHABETIC CODE FOR SURFACE VISIBILITY (PAGE 1 & 2)			
Letters Ind.	Objects not visible at	50 metres (or yards)	
Very Bad	"	300	" "
Very Poor	"	1,000	" "
Poor	"	2,000	" "
Unsettled	"	4,000	" "
Fair	"	7,000	" (4.2 miles)
Good	"	12,000	" (7.5 "
Very Good	"	20,000	" (12.5 "
Excellent	Objects visible beyond 20,000		" (12.4 "
	Exceptional visibility.		

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 202

Tuesday,
20th July 1920

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 1920																																			
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.	Oban	bc.c.	bc.c.	60	50	-	-	2.6	?	England, N.W.	Douglas (I.O.M.)	*	*	62	50	-	-	11.0	?																
	Banff	bc.c.	c	64	51	-	-	3.8	83		Blackpool	bc.c.	bc.c.	63	54	-	-	10.3	10.0																
	Montrose	bc.c.	bc.c.	67	47	-	-	5.1	?		Southport	bc.c.	bc.c.	63	55	-	-	11.2	8.7																
	St. Andrews	*	*	65	45	-	-	7.7	?																										
England, E.	Harrogate	bc.	bc.	65	47	-	-	12.2	3.1	Midlands.	Buxton	bc.c.	bc.c.	64	46	-	-	8.4	?																
	Scarborough	bc.	bc.	71	50	-	-	11.5	4.5		Leamington Spa	bc.c.	bc.c.	69	46	-	-	10.0	9.25																
	Skegness	bc.c.	bc.	70	46	-	-	11.3	?		Malvern	bc.c.	bc.c.	69	52	-	-	10.2	10.4																
	Lowestoft	bc.c.	bc.c.	66	49	-	-	12.0	8.1		Bath	bc.c.	bc.c.	68	51	-	-	9.2	10.3																
England, S.E.	Felixstowe	bc.	bc.	73	53	-	-	11.3	7.9	Wales.	Rhyl	bc.c.	bc.c.	65	51	-	-	10.6	9.2																
	Southend-on-Sea	bc.c.	bc.c.	76	49	-	-	10.5	7.1		Colwyn Bay	*	*	65	53	-	-	8.8	7.5																
									Llandudno		*	*	62	53	-	-	9.0	?																	
									Aberystwyth		bc.c.	bc.c.	61	55	-	-	12.2	?																	
England, S.W.	Tunbridge Wells	bc.	bc.	72	47	-	-	11.4	6.9	England, S.W.	Tenby	bc.c.	bc.c.	64	51	-	-																		
	Margate	bc.c.	bc.c.	70	56	-	-	11.2	4.5		Swansea																								
	Ramsgate	*	*	67	49	-	-	9.5	4.4																										
	Folkestone	bc.c.	bc.	66	52	-	-	10.7	7.2		Weymouth	bc.c.	bc.	70	55	-	-	12.2	12.2																
	Hastings	bc.c.	bc.c.	67	49	-	-	10.3	8.3		Teignmouth	bc.	bc.	69	54	-	-	10.0	?																
	Eastbourne	bc.c.	bc.	66	52	-	-	10.8	8.7		Torquay	bc.c.	bc.	70	52	-	-	11.8	?																
	Brighton	bc.	bc.	67	52	-	-	10.5	9.9		Paignton	bc.	bc.	70	?	-	-	?	?																
	Worthing	bc.c.	bc.	68	49	-	-	12.0	11.1		Penzance	bc.c.	bc.c.	66	53	-	-	11.8	10.5																
	Littlehampton	bc.c.	bc.c.	70	51	-	-	11.0	11.5		Newquay	bc.c.	bc.c.	62	56	-	-	10.7	13.1																
	Portsmouth (S. obs.)	*	*	70	53	-	-	9.7	11.5		Bude	bc.	bc.	64	57	-	-	7.8	11.3																
	Bournemouth	*	*	70	50	-	-	10.0	10.5		Ilfracombe	bc.c.	bc.c.	62	57	-	-	12.0	?																
	Ventnor (I. of W.)	*	*	64	52	-	-	12.0	12.5		Weston-s-Mare	bc.	bc.	64	56	-	-																		
SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.										THE BEAUFORT SCALE OF WIND FORCE.															
STATIONS.		WEATHER.				TEMPERATURE.		RAINFALL.		SUN.		STATIONS.		WEATHER.				TEMPERATURE.		RAINFALL.		SUN.		STATIONS.		WEATHER.				TEMPERATURE.		RAINFALL.		SUN.	
		7h-13h.	13h-19h.	19h-24h.	1h-7h.	Max. Temp. F.	Min. Temp. F.	Min. on Grass. F.	Day. 7h-13h.	Night. 13h-19h.	Hours.			Day. 7h-13h.	Night. 13h-19h.	Hours.	Day. 7h-13h.	13h-19h.	19h-24h.	1h-7h.	Max. Temp. F.	Min. Temp. F.	Min. on Grass. F.			Day. 7h-13h.	Night. 13h-19h.	Hours.	Day. 7h-13h.	13h-19h.	19h-24h.	1h-7h.	Max. Temp. F.	Min. Temp. F.	Min. on Grass. F.	Day. 7h-13h.	Night. 13h-19h.	Hours.
Renfrew		bc.c.	bc.c.	bc.c.	bc.c.	63	55	54	6.9	b blue sky (not more than a quarter covered).		Didsbury		bc.c.	bc.c.	bc.c.	bc.c.	66	55	46	*	c generally cloudy (three quarters covered).		Ross on Wye		bc.c.	bc.c.	bc.c.	bc.c.	72	52	46	-	-	13.1
Eskdalemuir		bc.c.	bc.c.	bc.c.	bc.c.	62	52	52	9.5	bc sky partly cloudy (one half covered).		Falmouth		bc.c.	bc.c.	bc.c.	bc.c.	67	54	53	-	-	d drizzle, or fine rain.	Calshot (Hants)		bc.c.	bc.c.	bc.c.	bc.c.	67	53	47	-	-	10.1
Valencia (Cahoon)		bc.c.	bc.c.	bc.c.	bc.c.	59	56	56	0.0	e wet air without rain falling.		Lympne (Folkestone)		bc.c.	bc.c.	bc.c.	bc.c.	69	51	43	-	-	f fog.	Aberdeen		bc.c.	bc.c.	bc.c.	bc.c.	65	53	52	-	-	2.4
Baldonnel		bc.c.	bc.c.	bc.c.	bc.c.	65	50	50	6.2	g gloom.		Howden		bc.c.	bc.c.	bc.c.	bc.c.	68	53	46	?	-	h hail.	Cranwell (Lines)		bc.c.	bc.c.	bc.c.	bc.c.	69	52	*	-	-	14.0
Didsbury		bc.c.	bc.c.	bc.c.	bc.c.	66	55	46	*	i lightning.		Felixstowe		bc.c.	bc.c.	bc.c.	bc.c.	73	56	*	*	*	m mist.	Shoeburyness		bc.c.	bc.c.	bc.c.	bc.c.	74	54	48	-	-	12.2
Ross on Wye		bc.c.	bc.c.	bc.c.	bc.c.	72	52	46	-	-	o overcast sky.	Benson		bc.c.	bc.c.	bc.c.	bc.c.	72	47	41	-	-	p passing showers.	S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-	11.6
Falmouth		bc.c.	bc.c.	bc.c.	bc.c.	67	54	53	-	-	q squalls.	London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-	r rain.	Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-	*
Calshot (Hants)		bc.c.	bc.c.	bc.c.	bc.c.	67	53	47	-	-	rs sleet, i.e., rain and snow together.	S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-	s snow.	London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-	10.8
Lympne (Folkestone)		bc.c.	bc.c.	bc.c.	bc.c.	69	51	43	-	-	t thunder.	Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-	u ugly, threatening sky.	S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-	11.6
Aberdeen		bc.c.	bc.c.	bc.c.	bc.c.	65	53	52	-	-	v unusual visibility.	Howden		bc.c.	bc.c.	bc.c.	bc.c.	68	53	46	?	-	w dew.	Cranwell (Lines)		bc.c.	bc.c.	bc.c.	bc.c.	69	52	*	-	-	14.0
Eskdalemuir		bc.c.	bc.c.	bc.c.	bc.c.	62	52	52	9.5	x hour frost.		Felixstowe		bc.c.	bc.c.	bc.c.	bc.c.	73	56	*	*	*	y dry air; humidity less than 60 per cent.	Shoeburyness		bc.c.	bc.c.	bc.c.	bc.c.	74	54	48	-	-	12.2
Valencia (Cahoon)		bc.c.	bc.c.	bc.c.	bc.c.	59	56	56	0.0	z dust haze; the turbid atmosphere of dry weather.		Benson		bc.c.	bc.c.	bc.c.	bc.c.	72	47	41	-	-	Capital letters indicate intensity, and repetition of letters continuity, thus:-	S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-	11.6
Baldonnel		bc.c.	bc.c.	bc.c.	bc.c.	65	50	50	6.2	Capital letters indicate intensity, and repetition of letters continuity, thus:-		London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-	R = heavy rain.	Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-	*
Didsbury		bc.c.	bc.c.	bc.c.	bc.c.	66	55	46	*	Capital letters indicate intensity, and repetition of letters continuity, thus:-		S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-	cr = continuous moderate rain.	London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-	10.8
Ross on Wye		bc.c.	bc.c.	bc.c.	bc.c.	72	52	46	-	-	r, f = continuous light rain.	Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-		S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-	11.6
Falmouth		bc.c.	bc.c.	bc.c.	bc.c.	67	54	53	-	-		London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-		Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-	*
Calshot (Hants)		bc.c.	bc.c.	bc.c.	bc.c.	67	53	47	-	-		S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-		London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-	10.8
Lympne (Folkestone)		bc.c.	bc.c.	bc.c.	bc.c.	69	51	43	-	-		Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-		S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-	11.6
Aberdeen		bc.c.	bc.c.	bc.c.	bc.c.	65	53	52	-	-		London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-		Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-	*
Eskdalemuir		bc.c.	bc.c.	bc.c.	bc.c.	62	52	52	9.5			S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-		London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-	10.8
Valencia (Cahoon)		bc.c.	bc.c.	bc.c.	bc.c.	59	56	56	0.0			Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-		S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-	11.6
Baldonnel		bc.c.	bc.c.	bc.c.	bc.c.	65	50	50	6.2			London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-		Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-	*
Didsbury		bc.c.	bc.c.	bc.c.	bc.c.	66	55	46	*			S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-		London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-	10.8
Ross on Wye		bc.c.	bc.c.	bc.c.	bc.c.	72	52	46	-	-		Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-		S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-	11.6
Falmouth		bc.c.	bc.c.	bc.c.	bc.c.	67	54	53	-	-		London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-		Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-	*
Calshot (Hants)		bc.c.	bc.c.	bc.c.	bc.c.	67	53	47	-	-		S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-		London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-	10.8
Lympne (Folkestone)		bc.c.	bc.c.	bc.c.	bc.c.	69	51	43	-	-		Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-		S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-	11.6
Aberdeen		bc.c.	bc.c.	bc.c.	bc.c.	65	53	52	-	-		London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-		Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-	*
Eskdalemuir		bc.c.	bc.c.	bc.c.	bc.c.	62	52	52	9.5			S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-		London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-	10.8
Valencia (Cahoon)		bc.c.	bc.c.	bc.c.	bc.c.	59	56	56	0.0			Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-		S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-	11.6
Baldonnel		bc.c.	bc.c.	bc.c.	bc.c.	65	50	50	6.2			London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-		Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-	*
Didsbury		bc.c.	bc.c.	bc.c.	bc.c.	66	55	46	*			S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-		London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-	10.8
Ross on Wye		bc.c.	bc.c.	bc.c.	bc.c.	72	52	46	-	-		Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-		S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-	11.6
Falmouth		bc.c.	bc.c.	bc.c.	bc.c.	67	54	53	-	-		London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-		Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50	*	-	-	*
Calshot (Hants)		bc.c.	bc.c.	bc.c.	bc.c.	67	53	47	-	-		S. Farnborough		bc.c.	bc.c.	bc.c.	bc.c.	73	47	39	-	-		London (Kew Obs.)		bc.c.	bc.c.	bc.c.	bc.c.	72	53	43	-	-	10.8
Lympne (Folkestone)		bc.c.	bc.c.	bc.c.	bc.c.	69	51	43	-	-		Croydon		bc.c.	bc.c.	bc.c.	bc.c.	70	50																

LONDON
1920.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21426. Wednesday, 21st July, 1920.

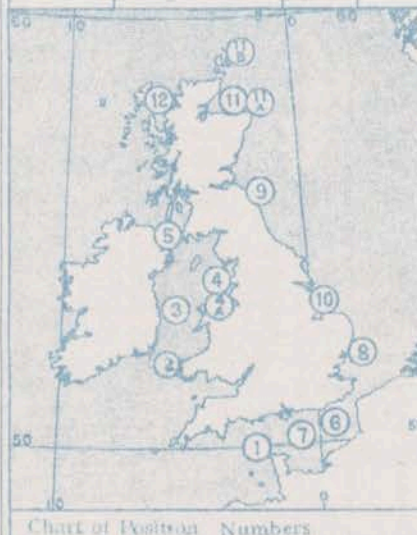
OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 11H, 7H, 12H AND 1PM.

STATIONS.			OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 1PM.																																																							
			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.	Dir.	Force 0-12.	°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	mb.	Change in 3 hours.	Dir.	Force 0-12.	°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	mb.	Change in 3 hours.	Dir.	Force 0-12.	°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.																	
			13H. G.M.T. OF 20th																												18H. G.M.T. OF 20th																											
Renfrew	10159	0	SW	4	07	68	92	6	750	NB	10	-	-	-	-	10172	+2	WSW	4	C	61	65	8	2,000	St	6	Ci	1	4	10172	+2	WSW	4	C	61	65	8	2,000	St	6	Ci	1	4															
Eskaideuir	10160	0	SW	4	07	58	92	5	2,000	NB	10	-	-	-	-	10179	+2	WSW	3	Sc	59	75	7	3,000	Cu	5	Ci	1	4	10179	+2	WSW	3	Sc	59	75	7	3,000	Cu	5	Ci	1	4															
Valencia (Cahire'n)	10241	0	SW	3	03f	59	97	6	500	St	10	-	-	-	-	10237	-2	WSW	3	0	58	97	4	4500	St	10	-	-	-	-	10237	-2	WSW	3	0	58	97	4	4500	St	10	-	-	-														
Baldonnel	10205	+1	W	4	09	62	85	7	750	St	10	-	-	-	-	10220	0	W	4	07	61	85	6	1,250	St	10	-	-	-	-	10220	0	W	4	07	61	85	6	1,250	St	10	-	-	-														
Didsbury	10205	-1	SSW	3	0	67	75	8	3,000	St	10	-	-	-	-	10208	+1	SW	4	07	62	85	5	1,250	NB	10	-	-	-	-	10208	+1	SW	4	07	62	85	5	1,250	NB	10	-	-	-														
Ross on Wye	10236	-1	SW	4	07	65	85	8	2,000	St	10	-	-	-	-	10238	-1	SW	4	07	65	85	6	1,250	St	6	Ci	2	4	10238	-1	SW	4	07	65	85	6	1,250	St	6	Ci	2	4															
Falmouth	10267	-1	WSW	4	07	61	92	3	-	NB	10	-	-	-	-	10261	-1	WSW	2	03fe	60	97	2	-	NB	10	-	-	-	-	10261	-1	WSW	2	03fe	60	97	2	-	NB	10	-	-	-														
Calshot (Hants)	10265	-2	WSW	5	0	60	85	8	1,250	St	10	-	-	-	-	10249	-2	WSW	4	0	60	92	8	750	St	10	-	-	-	-	10249	-2	WSW	4	0	60	92	8	750	St	10	-	-	-														
Lymington (Folkestone)	10261	-2	SW	6	09	60	85	8	2,000	St	10	-	-	-	-	10237	-3	WSW	5	Ci	62	85	6	1,250	St	7	Ci	1	4	10237	-3	WSW	5	Ci	62	85	6	1,250	St	7	Ci	1	4															
Aberdeen	10123	-1	S	1	01f	64	85	6	-	St	10	-	-	-	-	10124	+1	WSW	4	0	66	85	8	-	Ci	1	-	-	-	-	10124	+1	WSW	4	0	66	85	8	-	Ci	1	-	-	-														
Howden	10212	-1	WSW	5	0	67	85	6	1,250	St	10	-	-	-	-	10202	-1	WSW	5	0	70	75	6	2,000	St	8	Ci	1	4	10202	-1	WSW	5	0	70	75	6	2,000	St	8	Ci	1	4															
Cranwell (Lincs)	10240	-3	WSW	4	07	70	65	6	-	-	-	-	-	-	-	10222	-2	W	4	07	70	75	5	4,200	St	2	St	3	4	10222	-2	W	4	07	70	75	5	4,200	St	2	St	3	4															
Felixstowe	10245	-2	SW	6	07	72	45	7	-	-	-	-	-	-	-	10226	-3	SW	4	07	67	75	7	4,200	St	2	St	3	4	10226	-3	SW	4	07	67	75	7	4,200	St	2	St	3	4															
Shoeburyness	10236	-2	SW	4	0	66	85	6	-	Ci	10	-	-	-	-	10227	-2	SW	3	0	66	85	6	-	St	10	-	-	-	-	10227	-2	SW	3	0	66	85	6	-	St	10	-	-	-														
Benson	10258	-1	WSW	4	01f	67	75	7	2,000	St	5	St	5	-	-	10237	-2	SW	3	0	65	85	7	2,000	NB	6	St	4	4	10237	-2	SW	3	0	65	85	7	2,000	NB	6	St	4	4															
S. Farnborough	10250	-3	SSW	4	0	63	65	8	3,000	Ci	6	Ci	1	-	-	10235	+3	SW	2	0	68	75	7	3,000	St	9	-	-	-	-	10235	+3	SW	2	0	68	75	7	3,000	St	9	-	-	-														
London (Kew Obs.)	10250	-3	SSW	4	0	63	65	8	3,000	Ci	6	Ci	1	-	-	10235	+3	SW	2	0	68	75	7	3,000	St	9	-	-	-	-	10235	+3	SW	2	0	68	75	7	3,000	St	9	-	-	-														
Croydon	10253	-1	SW	4	07	67	75	8	2,000	Ci	5	Ci	1	-	-	10238	-2	SW	2	0	64	85	8	1,250	St	10	-	-	-	-	10238	-2	SW	2	0	64	85	8	1,250	St	10	-	-	-														
			1H. G.M.T. OF 21st																												7H. G.M.T. OF 21st																											
Renfrew	10190	0	SW	2	C	46	92	6	-	St	8	-	-	-	-	10188	-2	SW	4	0	57	85	7	1,250	St	3	A. St.	7	4	10188	-2	SW	4	0	57	85	7	1,250	St	3	A. St.	7	4															
Eskaideuir	10218	-2	SW	1	07	56	-	-	-	-	-	-	-	-	-	10183	-1	-	0	0	49	92	6	2,000	St	4	A. St.	3	4	10183	-1	-	0	0	49	92	6	2,000	St	4	A. St.	3	4															
Valencia (Cahire'n)	10210	0	SW	4	07	57	92	4	3,000	St	6	-	-	-	-	10197	-2	WSW	3	0	56	92	8	750	St	3	A. St.	7	4	10197	-2	WSW	3	0	56	92	8	750	St	3	A. St.	7	4															
Baldonnel	10210	0	SW	4	07	57	92	4	3,000	St	6	-	-	-	-	10197	-2	WSW	3	0	56	92	8	750	St	3	A. St.	7	4	10197	-2	WSW	3	0	56	92	8	750	St	3	A. St.	7	4															
Didsbury	10240	-1	W	2	0	60	92	6	-	St	10	-	-	-	-	10204	-2	SW	2	01f	62	85	7	1,250	St	10	-	-	-	-	10204	-2	SW	2	01f	62	85	7	1,250	St	10	-	-	-														
Ross on Wye	10239	-1	WSW	3	02f	59	97	4	1,250	St	10	-	-	-	-	10220	-2	-	0	03fe	59	97	2	-	St	10	-	-	-	-	10220	-2	-	0	03fe	59	97	2	-	St	10	-	-	-														
Falmouth	10229	-1	WSW	2	01f	58	97	6	1,250	St	10	-	-	-	-	10215	-3	SW	1	0	61	92	4	4500	St	10	-	-	-	-	10215	-3	SW	1	0	61	92	4	4500	St	10	-	-	-														
Calshot (Hants)	10229	-1	WSW	2	01f	58	97	6	1,250	St	10	-	-	-	-	10215	-3	SW	1	0	61	92	4	4500	St	10	-	-	-	-	10215	-3	SW	1	0	61	92	4	4500	St	10	-	-	-														
Lymington (Folkestone)	10229	-1	WSW	2	01f	58	97	6	1,250	St	10	-	-	-	-	10215	-3	SW	1	0	61	92	4	4500	St	10	-	-	-	-	10215	-3	SW	1	0	61	92	4	4500	St	10	-	-	-														
Aberdeen	10197	-1	-	0	07	58	97	7	1,250	St	10	-	-	-	-	10181	+1	SW	2	01f	58	75	6	-	St	1	A. St.	9	2	10181	+1	SW	2	01f	58	75	6	-	St	1	A. St.																	

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 21.7.1920.

Temperature reported from Coastal and Cross Channel Steamers.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
1. S.E. England	Dull; mist inland, local fog on coast.	Poor	slight	3	20 th	09.10	54	57
2. E. England	Cloudy to overcast; local mist and drizzle.	"	smooth	6	20 th	14.15	59	64
3. E. Midlands	Overcast; local mist.	Indiff	-	4A	21 st	02.30	56	57
4. W. Midlands	Overcast; local mist.	"	-	12	21 st	03.08	52	53
5. S.W. England	Dull; coastal fog.	V. Poor.	slight	7	21 st	03.06	61	61
6. South Wales	Dull; local fog and showers on coast.	Variable	"	8	21 st	04.10	62	63
7. North Wales	Dull; local mist & drizzle	Indiff	smooth	5	21 st	07.22	52	54
8. N.W. England	Dull; local rain & mist.	Variable	"					
9. N. Midlands	Dull; local rain & mist.	Indiff	-					
10. N.E. England	Dull; misty; light rain locally.	Indiff	smooth					
11. E. Scotland	Cloudy or overcast, local mist.	Fair.	smooth					
12. S.W. Scotland	Overcast.	"	"					
13. Isle of Man	Cloudy.	"	"					
14. N. & N.W. Scotland	Cloudy to overcast, local showers.	"	slight					
15. Hebrides	Overcast; local showers and squalls.	"	mod.					
16. Orkneys and Shetlands	Fair or cloudy.	"	smooth					
17. N.W. Ireland	Cloudy.	Fair	slight					
18. N.E. Ireland	Cloudy; local mist.	"	"					
19. S.E. Ireland	Overcast.	Indiff	smooth					
20. S.W. Ireland	Dull; local mist and drizzle.	"	"					



GENERAL INFERENCE from observations received up to 9h. G.M.T.
A gradual fall of the barometer is taking place over the British Isles and a slight secondary is forming over Southern England. Moderate S.W. or W. winds are probable with much cloud and occasional light rain or drizzle in most districts, especially in the west and north. Settled fine weather is not likely to set in during the next few days.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 21st July 1920.
1. S.E. England	Light to moderate S.W. to W. wind; mainly dull, clouds low, occasional light rain or drizzle; visibility indifferent to fair; temperature about normal.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	Light to moderate S.W. to W. wind; mainly dull, some rain or drizzle; visibility indifferent to fair; temperature about normal.
8. N.W. England	
9. N. Midlands	Same as 1 - 6.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Same as 7 - 8.
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	

EXPLANATION
BAROMETER.—Isobars are shown at intervals of two millibars.
WIND.—Direction is shown by the arrow. Force is indicated by the number of feathers. Mean velocity is given in miles per hour by figures in small circles.
TEMPERATURE.—Mean temperature is given in degrees Fahrenheit by figures in small circles.
WEATHER SYMBOLS.—
☉ sky & clouded.
☁ overcast sky.
❄ snow. ▲ hail.
⚡ thunder.
SEA DISTURBANCE.—
Rough—
Further Outlook

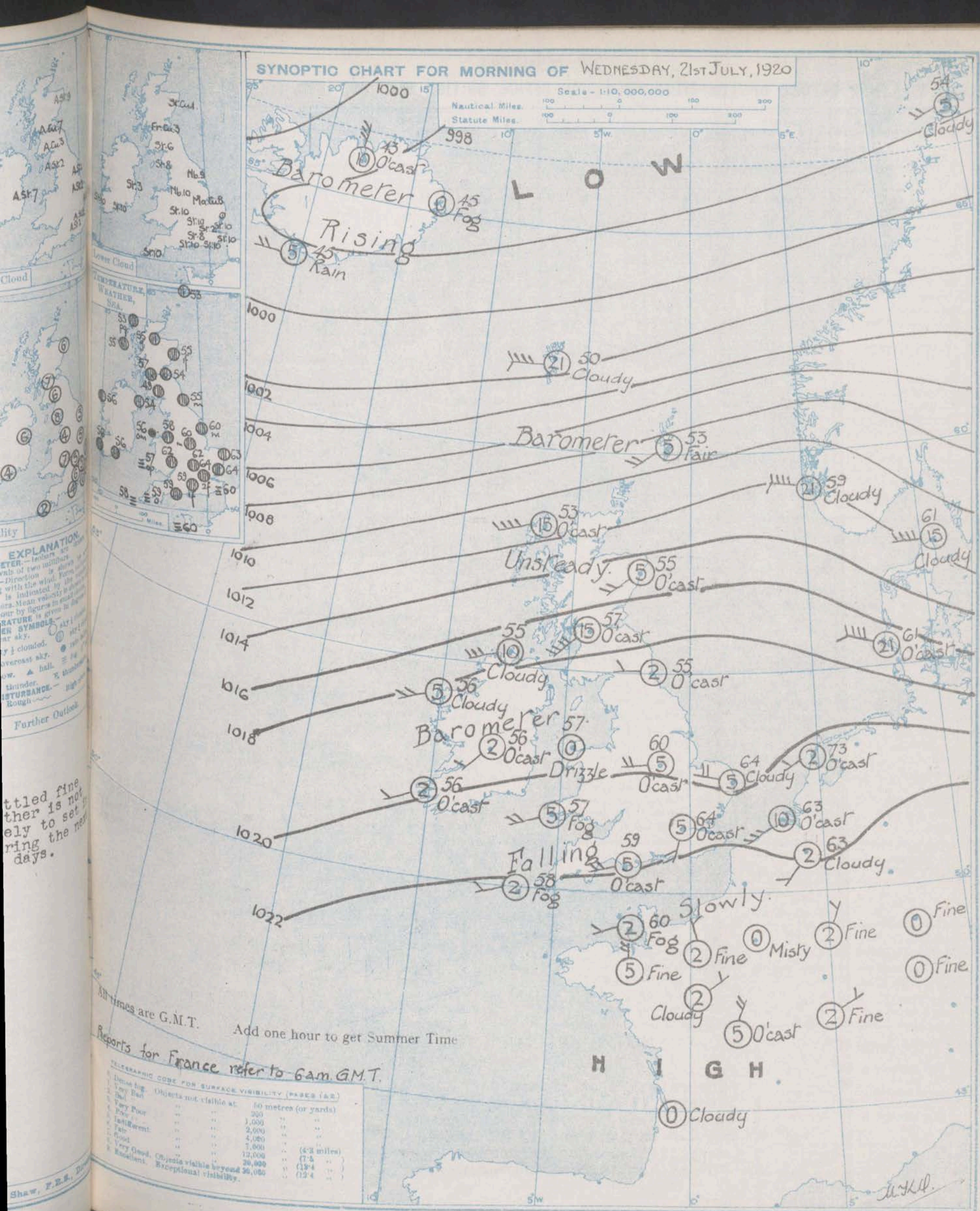
Settled fine weather is not likely to set in during the next few days.

All times are Reports for

SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 21st JULY, 1920

Scale - 1:10,000,000

Nautical Miles
Statute Miles



EXPLANATION
ETER.—features are
vials of two numbers
Direction is shown
with the wind. Force
is indicated by the
eta. Mean velocity is
four by figures in the
RATURE is given in
EN SYMBOLS
ar sky.
clouded.
overcast sky.
ow. ▲ hall.
thunder.
STURANCE.
Rough
Further Outlook

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ely to set
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days.

All times are G.M.T. Add one hour to get Summer Time

Reports for France refer to 6am G.M.T.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (BASES (A.R.))		
Objects not visible at	10 metres (or yards)	
1. Dense fog	200	
2. Very Bad	1,000	
3. Very Poor	2,000	
4. Poor	4,000	
5. Fair	7,000	
6. Good	12,000	(4.3 miles)
7. Very Good	20,000	(12.4 "
8. Excellent	30,000	(18.6 "
Exceptional visibility.		

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 203.

Wednesday
21st July 1920

WEATHER, TEMPERATURE, RAINFALL, AND SUNSHINE AT HEALTH RESORTS FOR 20 th																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sun- set.			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sun- set.
Scotland.	Oban	P.	c.c. bc. c.	62	53	7	1	2.6	2.6	England, N.W.	Douglas (I.O.M.)	*	*	62	54	1	0.3	0.2	11.0
	Banff	7.0 c.	c. bc. c.	66	54	2	1	1.3	3.8		Blackpool	o. d. c.	64	56	2	0.1	0.5	12.5	
	Montrose	0. P.	0. bc. c.	68	56	2	1	1.5	5.1		Southport	0	c. c. bc.	64	57	1	0.3	0.4	13.7
	St. Andrews	-	-	67	56	1	-	1.4	7.7										
England, N.E.	Harrogate	c. c. bc. c.	bc. c. c.	69	52	-	1	3.3	14.5	Midlands.	Buxton	bc. c.	bc. c. bc.	70	51	-	0.0	5.3	10.1
	Scarborough	bc.	bc.	75	50	-	-	5.6	13.9		Leamington Spa	c. bc.	c. bc.	69	51	0.4	-	2.0	13.5
	Skewness	0. c.	c. c.	73	51	-	-	5.4	14.0		Malvern	c.	c. c.	71	54	-	-	1.8	12.8
England, E.	Lowestoft	bc. c.	c. bc. c.	77	52	-	-	6.4	14.0		Bath	0	0	66	52	-	-	0.0	11.1
	Felixstowe	bc. c.	bc. c.	74	57	-	-	8.6	13.3										
	Southend-on-Sea	bc. c. bc.	bc. c.	74	53	-	-	9.0	12.2	Wales.	Rhyl	c. bc. c.	bc. c. bc.	73	57	-	-	4.6	12.2
											Colwyn Bay	*	*	75	57	-	-	2.8	11.1
											Llandudno	bc. c.	c. d.	68	57	-	-	3.5	11.5
											Aberystwyth	bc. c.	c. c.	63	54	2	1	0.0	10.7
											Tenby	m. o.	o. m.	62	51	2	0.3	0.0	13.4
											Swansea	*	*	62	56	3	2	0.0	14.5
											Weymouth	0	0. c. c.	64	53	-	-	2.3	12.5
											Teignmouth	0	bc. c. bc.	68	54	-	-	1.3	14.0
											Torquay	c.	c. bc. bc.	64	55	0.1	-	1.6	12.8
											Paignton	0. c.	c. bc. c.	65	51	-	-	0.0	12.8
											Penzance	0. c. f.	0. c.	64	56	-	-	0.2	11.9
											Newquay	0	0	64	53	-	-	0.0	12.8
											Bude	d.	ad. d.	61	56	-	0.4	0.0	12.8
											Ilfracombe	m. p.	m. o.	64	57	0.3	1	0.0	10.6
											Weston-s-Mare	0. d.	m. p.	64	55	-	1	0.0	14.4

SUMMARIES FOR PAST 24 HOURS.													
STATIONS.		WEATHER.		Max. Temp.		Min. Temp.		Rainfall.		Sun.		BEAUFORT NOTATION.	
		7h-12h.	12h-5h.	F.	F.	F.	F.	Day.	Night.	Hours.	Hours.		
Renfrew	...	0. P.	0. P. c. c.	63	52	50	44	0.1	0.1	2	4.2	b	b
Eskdalemuir	...	2. f. d. c.	0. c. bc. c.	60	43	34	29	-	-	-	2.9	bc	bc
Valencia (Cable 'n)	...	ad. bc. c.	0	58	46	47	40	-	3	0.0	0.0	c	c
Baldonnell	...	g. d. d.	g. o.	65	55	-	-	0.3	trace	0.2	0.2	d	d
Didsbury	...	c. bc. c.	0. c. c.	70	58	53	41	2	-	-	-	e	e
Ross on Wye	...	bc. c.	c. bc. c.	72	58	56	-	-	-	3.8	3.8	f	f
Falmouth	...	0. c. bc. c.	0. c. bc. c.	63	56	57	-	-	-	0.0	0.0	g	g
Calshot (Hants)	...	0. c. bc. c.	0. c. bc. c.	62	59	57	-	-	-	1.2	1.2	h	h
Lymington (Hants)	...	bc. c. bc. c.	0. c. bc. c.	64	55	57	-	-	-	7.5	7.5	i	i
Aberdeen	...	bc. c. bc. c.	bc. c. bc. c.	68	50	44	5	-	-	4.0	4.0	j	j
Howden	...	g. 3	c. o. c.	72	57	51	-	1	2.4	2.4	2.4	k	k
Cranwell (Lincs)	...	c. o. c.	c. o. c.	74	56	-	-	0.4	4.7	4.7	4.7	l	l
Felixstowe	...	bc. c. bc. c.	bc. c. bc. c.	74	61	-	-	-	-	-	-	m	m
Shoeburyness	...	bc. c. bc. c.	bc. c. bc. c.	73	60	57	-	-	-	10.5	10.5	n	n
Benson	...	bc. c. bc. c.	bc. c. bc. c.	68	57	59	-	-	-	-	-	o	o
S. Farnborough	...	0. f. c.	c. bc. c.	68	58	55	-	-	-	2.0	2.0	p	p
London (Kew Obs.)	...	c. o. c.	c. o. c.	72	59	55	-	-	-	3.4	3.4	q	q
Croydon	...	c. o. c.	bc. c. c.	70	59	-	-	-	-	-	-	r	r

LONDON OBSERVATIONS.													
STATIONS.		WEATHER.		Max. Temp.		Min. Temp.		Rainfall.		Sun.		SOUTH KENSINGTON (Meteorological Office).	
		Morning.	Afternoon.	F.	F.	F.	F.	mm.	mm.	Hours.	Hours.		
Greenwich (Royal Observatory)	...	0. c.	c.	75	60	53	-	5.8	64	76	76	Vertical Component of Solar Radiation per Square Centimetre during yesterday	76
City (Rushill Row)	...	*	*	72	62	56	-	3.4	64	82	82	Total	142.8 Joules.
Westminster (St. James's Park)	...	*	*	72	62	56	-	4.1	75	88	88	Average Rate	24.9
Admiralty Arch	...	bc. c. bc. c.	bc. c. bc. c.	72	62	56	-	4.1	75	88	88	Maximum Rate	88
Camden Sq. (British Rainfall)	...	0. c.	c.	74	61	58	-	7.6	76	83	83		
Kenington Palace	...	c.	0	72	61	58	-	3.1	76	83	83		
Hampstead Observatory	...	*	*	70	59	54	-	-	76	83	83		

NOTES ON THE WEATHER OF YESTERDAY.													
The rainfall only exceeded 1 mm at Aberdeen (total 5 mm) and Lerwick (3 mm), and many stations had none. Jersey experienced 14 hours of bright sunshine, and a few stations in S.E. England nearly 10 hours, but in most places there was very little. The temperature rose to 77° at Lowestoft and to 75° at Nottingham and Scarborough.													
Photographic Record of Pole Star (Polaris) and of 3 Ursae Minoris at Greenwich Observatory.													
Exposure from 2.00 a.m. to 2.30 a.m.													
Star.	Duration of Exposure.	Duration of Record.											
Polaris	h. m.	h. m.											
3 Ursae Minoris	h. m.	h. m.											

* Information for these columns not usually received.

DON:

20.

TEMPERATURE

Max. Min.

84 68

30 72

88 72

86 70

86 66

82 66

78 64

100 73

86 75

86 74

84 73

88 68

Weather.

Sea.

C.

S.

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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21427. Thursday, 22nd July, 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 15H.

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 0-3.	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 0-3.					
										Form.	Amt. 0-10.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	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 21 st														18H. G.M.T. OF 21 st																											
Renfrew	1015.5	-2	SW	4	C	62	65	8	3,000	Fr	4	ci	3	1013.5	-3	SW	3	C	61	65	8	3,000	Sc	3	ci	5	1011.5	-4	SSW	4	OR mu	56	85	6	2,000	NB	6	A.S.	4	X	
Eskdalemuir	1015.6	-2	SW	5	O.C.	60	65	8	3,000	cu	4	ci	5	1014.0	-2	SSW	3	O	58	75	7	-	cu	1	ci	9	1007.0	-4	SW	3	O	52	97	6	1,250	st.	8	A.S.	2	X	
Valencia (Cahoon's)	1017.6	-2	NE	1	O.	58	92	8	750	cu	2	asc	8	1016.5	-2	W	3	bc	59	85	9	2,000	sc	7	ci	9	1011.3	-2	WSW	4	O	57	85	6	750	st.	10	-	-	4	
Baldonnel	1017.6	-2	NE	1	O.	58	92	8	750	cu	2	asc	8	1016.5	-2	W	3	bc	59	85	9	2,000	sc	7	ci	9	1011.3	-2	WSW	4	O	57	85	6	750	st.	10	-	-	4	
Didsbury	1017.7	-3	WSW	2	O.C.	62	85	6	1,250	NB	7	asc	3	1015.0	-5	-	0	OR f	59	92	3	750	st.	10	-	-	1009.7	-4	SW	2	?	?	?	?	?	?	?	?	?	?	?
Ross on Wye	1017.7	-2	W	3	O.C.	65	85	6	2,000	sc	8	asc	2	1015.8	-4	SW	2	OR	64	85	7	2,000	NB	2	asc	8	1009.3	-1	NNW	2	O	56	92	4	2,000	st.	9	-	-	5	
Falmouth	1017.8	-3	WSW	3	O	66	85	6	-	sc	10	-	-	1015.8	-4	SW	2	OR	64	85	7	2,000	NB	2	asc	8	1010.5	-1	N	3	O	61	85	8	3,000	sc	8	asc	1	X	
Calshot (Hants)	1018.0	-2	SW	2	OR	62	97	5	1,500	sc	10	-	-	1017.3	-3	WSW	2	O.C.	62	92	2	-	sc	10	-	-	1012.6	-3	NNW	2	bc	58	95	7	-	cu	4	-	-	X	
Lymington (Folkestone)	1019.5	-3	SSW	3	O.C.	62	97	4	1,500	NB	10	-	-	1017.2	-3	SW	2	O.C.	62	97	7	1,500	sc	10	-	-	1011.9	-3	W	3	O	61	92	8	2,000	st.	10	-	-	2	
Aberdeen	1013.5	-2	SSW	2	C	64	55	6	-	sc	5	cu	2	1012.2	-2	WSW	3	C	63	53	6	-	sc	7	cu	2	1011.4	-1	SW	3	OR	60	97	7	1,500	st.	10	-	-	X	
Howden	1017.6	-3	-	0	OR	60	97	6	1,250	NB	10	-	-	1014.3	-3	-	0	OR	61	82	5	2,000	sc	10	-	-	1004.8	-3	SSW	2	OR f	54	85	4	-	NE	10	-	-	2	
Cranwell (Lincs)	1018.3	-2	SW	1	O.C.	64	85	6	2,000	NB	10	-	-	1015.8	-3	WSW	2	O.C.	63	97	5	3,000	NB	8	asc	2	1007.8	-1	NNW	2	O	54	97	5	1,250	st.	10	-	-	X	
Felixstowe	1019.5	-1	SSW	3	O.C.	66	85	4	3,000	sc	10	-	-	1017.0	-3	SSW	3	OR	65	92	3	3,000	NB	10	-	-	1008.0	-3	WSW	4	O	61	92	7	1,250	NB	10	-	-	X	
Shoeburyness	1018.3	-2	SW	2	O.C.	70	75	5	3,000	sc	10	-	-	1016.8	-3	SW	1	O.C.	65	55	5	3,000	sc	7	asc	2	1010.8	-3	SSW	3	O	62	92	5	2,000	sc	10	-	-	2	
Benson	1018.2	-2	SW	2	O.C.	66	92	5	-	NB	10	-	-	1016.3	-2	WSW	1	O.C.	63	92	3	-	NB	10	-	-	1010.5	-2	SW	2	O	62	86	6	2,000	sc	6	asc	3	X	
S. Farnborough	1018.5	-2	WSW	2	O.C.	66	92	5	-	NB	10	-	-	1016.6	-3	SW	2	O.C.	65	92	6	1,250	NB	10	-	-	1009.9	-1	WSW	3	O	61	85	7	-	cu	10	-	-	X	
London (Kew Obs.)	1019.0	-4	SSW	3	O.C.	69	75	7	1,250	sc	9	asc	1	1016.6	-3	SW	2	O.C.	67	85	5	1,250	NB	7	asc	3	1011.1	-2	W	3	C	63	88	8	2,000	sc	6	asc	2	X	
Croydon	1019.6	-2	SW	1	O.C.	67	92	6	750	NB	10	-	-	1017.3	-3	SW	1	O.C.	65	97	7	750	NB	7	asc	3	1010.6	-1	WSW	2	bc	62	88	8	2,000	sc	3	asc	2	X	
1H. G.M.T. OF 22 nd														7H. G.M.T. OF 22 nd																											
Renfrew	1011.5	-4	-	0	O	48	92	6	-	sc	9	asc	1	1005.3	-4	SSW	4	OR mu	56	85	6	2,000	NB	6	A.S.	4	X	1004.8	-3	SSW	2	OR f	54	85	4	-	NE	10	-	-	2
Eskdalemuir	1013.7	-2	WSW	2	OR	56	92	6	1,250	sc	4	-	-	1007.0	-4	SW	3	O	52	97	6	1,250	st.	8	A.S.	2	X	1007.8	-1	NNW	2	O	54	97	5	1,250	st.	10	-	-	X
Valencia (Cahoon's)	1012.7	-3	W	3	bc	54	92	6	750	sc	4	-	-	1011.3	-2	WSW	4	O	57	85	6	750	st.	10	-	-	1008.0	-3	WSW	4	O	61	92	7	1,250	NB	10	-	-	X	
Baldonnel	1012.7	-3	W	3	bc	54	92	6	750	sc	4	-	-	1011.3	-2	WSW	4	O	57	85	6	750	st.	10	-	-	1010.8	-3	SSW	3	O	62	92	5	2,000	sc	10	-	-	2	
Didsbury	1012.7	-3	W	3	bc	54	92	6	750	sc	4	-	-	1011.3	-2	WSW	4	O	57	85	6	750	st.	10	-	-	1010.5	-2	SW	2	O	62	86	6	2,000	sc	6	asc	3	X	
Ross on Wye	1012.9	-3	WSW	3	O.C.	58	97	4	-	NB	10	-	-	1009.3	-1	NNW	2	O	56	92	4	2,000	st.	9	-	-	1009.9	-1	WSW	3	O	61	85	7	-	cu	10	-	-	X	
Falmouth	1012.9	-3	WSW	3	O.C.	58	97	4	-	NB	10	-	-	1009.3	-1	NNW	2	O	56	92	4	2,000	st.	9	-	-	1011.1	-2	W	3	C	63	88	8	2,000	sc	6	asc	2	X	
Calshot (Hants)	1014.1	-3	WSW	2	O.C.	60	97	6	750	NB	10	-	-	1012.6	-3	NNW	2	bc	58	95	7	-	cu	4	-	-	1010.6	-1	WSW	2	bc	62	88	8	2,000	sc	3	asc	2	X	
Lymington (Folkestone)	1013.7	-5	SW	2	O.C.	59	97	1	1,500	st.	10	-	-	1011.9	-3	W	3	O	61	92	8	2,000	st.	10	-	-	1011.7	-1	WSW	3	C	61	85	8	2,000	sc	7	-	-	X	
Aberdeen	1010.6	-4	-	0	O.C.	54	97	4	750	NB	10	-	-	1004.8	-3	SSW	2	OR f	54	85	4	-	NE	10	-	-	1010.6	-1	WSW	2	bc	62	88	8	2,000	sc	3	asc	2	X	
Howden	1010.6	-4	-	0	O.C.	54	97	4	750	NB	10	-	-	1004.8	-3	SSW	2	OR f	54	85	4	-	NE	10	-	-	1011.7	-1	WSW	3	C	61	85	8	2,000	sc	7	-	-	X	
Cranwell (Lincs)	1010.1	0	SW	3	O.C.	58	97	5	2,000	st.	10	-	-	1007.8	-1	NNW	2	O	54	97	5	1,250	st.	10	-	-	1010.8	-3	SSW	3	O	62	92	5	2,000	sc	10	-	-	2	
Felixstowe	1010.1	0	SW	3	O.C.	58	97	5	2,000	st.	10	-	-	1007.8	-1	NNW	2	O	54	97	5	1,250	st.	10	-	-	1010.5	-2	SW	2	O	62	86	6	2,000	sc	6	asc	3	X	
Shoeburyness	1010.1	0	SW	3	O.C.	58	97	5	2,000	st.	10	-	-	1007.8	-1	NNW	2	O	54	97	5	1,250	st.	10	-	-	1009.9	-1	WSW	3	O	61	85	7	-	cu	10	-	-	X	
Benson	1010.1	0	SW	3	O.C.	58	97	5	2,000	st.	10	-	-	1007.8	-1	NNW	2	O	54	97	5	1,250	st.	10	-	-	1011.1	-2	W	3	C	63	88	8	2,000	sc	6	asc	2	X	
S. Farnborough	1010.1	0	SW	3	O.C.	58	97	5	2,000	st.	10	-	-	1007.8	-1	NNW	2	O	54	97	5	1,250	st.	10	-	-	1010.6	-1	WSW	2	bc	62	88	8	2,000	sc	3	asc	2	X	
London (Kew Obs.)	1010.1	0	SW	3	O.C.	58	97	5	2,000	st.	10	-	-	1007.8	-1	NNW	2	O	54	97	5	1,250	st.	10	-	-	1011.7	-1	WSW	3	C	61	85	8	2,000	sc	7	-	-	X	
Croydon	1010.1	0	SW	3	O.C.	58	97	5	2,000	st.	10	-	-	1007.8	-1	NNW	2	O	54	97	5	1,250	st.	10	-	-	1011.7	-1	WSW	3	C	61	85	8	2,000	sc	7	-	-	X	

STATIONS CONTRIBUTING REPORTS AT 7H. AND 15H.

STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND. Direc	Force 0-12.	Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.
						at M.S.L. mb.	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 21 st						7H. G.M.T. of 22 nd						24 HOURS ENDED 7H. 22 nd						21			
Lerwick	1009.1	55	SW	4	O.C.	1004.9	-1	54	H	8	2	-	bc	2	1	57	49	bc.	om p.	cm	5.6
Stornoway	1007.9	59	SW	6	bc	998.3	-4	52	-1	SW	5	-	op	4	2	62	51	abc. pg.	bc.	op.	6.2
Castlebay (Barra)	1010.4	56	SW	4	bc	79.3	-5	54	-1	SW	4	-	op	4	2	57	53	o. bc.	c. o. bc. o.	op. c. op.	6.2
Malin Head	1011.8	58	W	2	C	1001.8	-4	53	-2	SW	3	SW	omd	4	1	60	52	bc.	bc.	omd	6.7
Blacksod Point	1014.1	53	SW	2	bc	1003.3	-4	56	0	WSW	4	-	om	3	5	62	52	bc.	b.	om pg.	6.7
Roche's Point	1015.8	56	W	2	O.P.	1012.7	-2	55	-1	WSW	2	-	0	3	10	59	50	of. d.	fd. p. m.	r. o. o.	6.7
Bar Castle	1014.5	59	S	1	C	1008.7	-2	53	-3	S	2	-	+	2	59	51	od. r.	o. c.	od. r.	0.7	
Donaghadee	1013.8	61	SSE	2	bc	1007.8	-2	53	-1	N	3	-	omr	2	-	61	51	bc.	c.	bc. m.	6.7
Liverpool (Bidston)	1015.1	53	NW	1	P.	1009.3	0	54	-4	NNW	2	N	0	1	13	60	52	c. p. m.	od.	or	0.0
Holyhead	1015.2	53	NE	4	O.P.M.	1009.6	-1	55	-2	SW	4	SW	0	3	8	61	51	op. c. m.	op. d. m.	om. c.	0.0
Pembroke (St. Ann's)	1016.3	58	WSW	3	of.	1012.5	-1	56	-2	SW	3	N	0	3	4	59	53	of.	of.	of. r. o.	0.0
Scilly (St. Mary's)	1018.0	60	W	2	fe	1013.4	-1	56	-2	NNW	2	W	bc	3	0.2	63	55	fe.	fe.	om. c. bc.	0.0
Jersey (St. Aubin)	1018.1	65	NW	2	b.	1014.7	0	60	0	N	3	+	0	3	trace	70	58	fe. o. b.	b.	bfe. o.	7.8
Portland Bill	1018.3	60	SSW	2	O.P.	1012.5	-3	60	H	NSW	4	-	0	4	7	62	57	of. r.	f. o. r.	o. c. o.	6.7
Dungeness	1016.6	66	S	2	bc	1011.6	-2	61	H	SW	3	-	0	3	-	68	51	op. c. bc.	op. c. bc.	bc. f. o.	6.7
Wick	1009.0	62	N	2	bc	1001.1	-4	63	H	SSW	2	-	0	1	-	65	49	c. p.	c. bc.	bc. o.	6.7
Nairn	1010.3	63	WSW	2	bc	1001.9	-3	55	0	-	0	-	0	1	0.2	66	50	c. g. bc.	c. g. bc.	c. g.	5.4
Leith	1012.9	64	SW	1	C	1004.8	-3	55	H	SSW	1	-	0	1	-	66	52	c. bc. b.	b.	c. o.	6.7
Tynemouth	1014.4	59	W	1	om p.	1008.5	-2	65	0	N	2	-	om	1	3	64	52	om.	om p.	om. bc. m.	6.7
Spurn Head	1015.4	63	SE	2	om d.	1007.6	-4	64	-6	NNW	3	-	om	3	5	66	53	om p.	om d.	om.	6.7
Yarmouth	1016.2	64	SW	1	0	1010.0	-4	62	-1	NNW	3	-	om	2	16	71	60	C.	om. p.	om. om.	0.0
Clacton-on-Sea	1016.9	65	SSW	3	0	1010.0	-3	62	-2	SW	3	N	C	2	30	67	61	c. m. pg.	o. g. m.	op. c.	0.0
Nottingham	1015.0	65	SW	2	0	1008.5	-	59	-1	N	3	N	om	4	5	67	58	op. c. m.	op. p. m.	0	0.1

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 22.7.1920.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers.				
				Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
1. S.E. England	Fair to dull.	Good.	slight	10	21st.	07.30	58	65
2. E. England	Dull: some mist and rain.	Indiff.	smooth	3	21st.	09.10	54	57
3. E. Midlands	Fair to dull: misty.	Fair.	-	1	21st.	12.15	58.0	61.5
4. W. Midlands	Dull.	Good.	-	6	21st.	14.10	60.5	66
5. S.W. England	Fair to dull.	Good.	slight	2	22nd	01.00	55	54
6. South Wales	Cloudy.	V.Good.	slight	4A.	22nd	02.05	57	55
7. North Wales	Dull to cloudy.	Fair.	slight	12	22nd	03.00	52	54
8. N.W. England	Dull.	Indiff.	smooth					
9. N. Midlands	Dull.	Fair.	-					
10. N.E. England	Fine to dull: local mist and rain.	Indiff.	smooth					
11. E. Scotland	Dull: some rain and fog	Poor.	smooth					
12. S.W. Scotland	Dull: some mist and rain	Fair.	slight					
13. Isle of Man	Dull: misty.	Indiff.	smooth					
14. N. & N.W. Scotland	Dull to cloudy.	Fair.	slight					
15. Hebrides	Dull: showery.	"	mod.					
16. Orkneys and Shetlands	Fair to dull.	"	smooth					
17. N.W. Ireland	Dull, misty.	Indiff.	slight					
18. N.E. Ireland	Dull, misty; some rain and drizzle.	"	mod.					
19. S.E. Ireland	Dull: some rain.	Fair.	slight					
20. S.W. Ireland	Dull.	Fair.	mod.					



Chart of Position Numbers

GENERAL INFERENCE from observations received up to 9h. G.M.T.

A depression at no great distance to the N.W. of Scotland is moving E. or S.E. Much cloud, with rain at times and local thunderstorms, may be expected during the next 24 hours, and moderate S.W. or W. winds. Unsettled weather is likely to continue generally for two or three days.

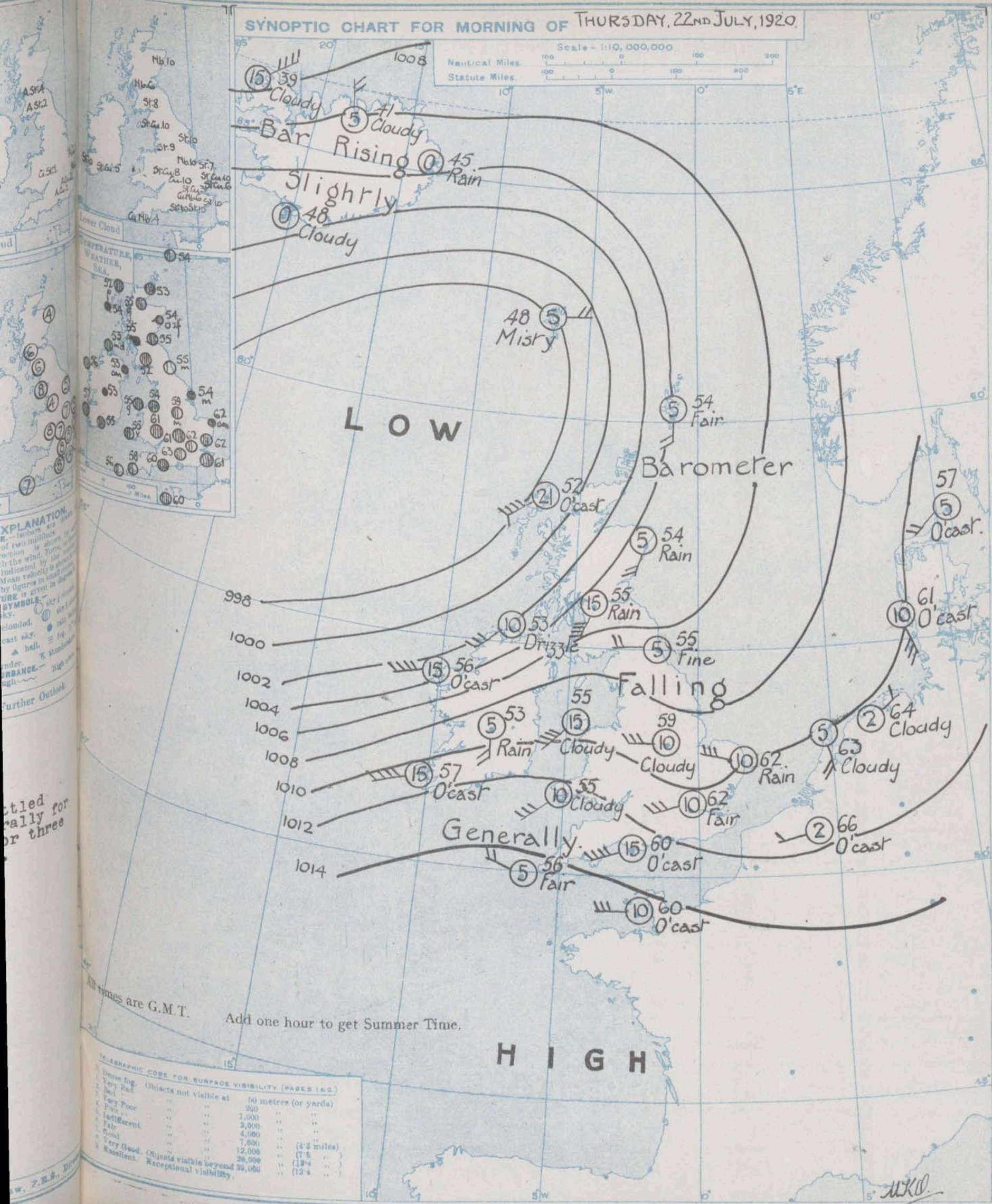
EXPLANATION.
 BAROMETER.—Isobars are shown at intervals of two millibars.
 WIND.—Direction is shown by a line lying with the wind. Force is indicated by the number of feathers. Mean velocity is shown per hour by figures in small circles.
 TEMPERATURE.—Mean temperature is shown by a circle with the number inside.
 WEATHER SYMBOLS.—
 ☉ clear sky.
 ☁ sky 1 clouded.
 ☁☁ overcast sky.
 * snow. ▲ hail.
 T thunder.
 SEA DISTURBANCE.—
 Rough—
 High—

Further Outlook.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 22nd July 1920.
1. S.E. England	Moderate S.W. to W. wind; much low cloud, rain at times, tendency for thunder; visibility fairly good; temperature somewhat below normal.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	Moderate to fresh S.W. wind; much low cloud, rain at times, tendency for thunder; visibility indifferent; temperature somewhat below normal.
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Same as 1 - 6.
14. N. & N.W. Scotland	
15. Hebrides	Moderate to fresh S. to S.E. wind; much low cloud, rain at times, tendency for thunder; visibility fairly good; temperature about normal.
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	Same as 1 - 6.
19. S.E. Ireland	
20. S.W. Ireland	

Unsettled generally for two or three days.

SYNOPTIC CHART FOR MORNING OF THURSDAY, 22ND JULY, 1920.



All times are G.M.T.

Add one hour to get Summer Time.

SYMBOLIC CODE FOR SURFACE VISIBILITY (PAGE 152)		OBJECTS NOT VISIBLE AT		50 metres (or yards)
Dense Fog	"	"	"	300
Very Bad	"	"	"	1,000
Bad	"	"	"	2,000
Very Poor	"	"	"	4,000
Poor	"	"	"	7,500
Indifferent	"	"	"	12,000
Fair	"	"	"	20,000
Good	"	"	"	30,000
Very Good	"	"	"	30,000
Excellent	"	"	"	30,000

HIGH

MKD.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 204

Thursday
22nd July

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.
Scotland.									England, N.W.								
Oban ...	o.c.	bc.b	53	52	1	-	6.5	4.1	Douglas (I.O.M.)	*	*	61	52	-	1	0.0	0.2
Banff ...	o.c.	c.b.c.b	65	51	-	-	2.3	3.9	Blackpool ...	o.p.	o.p.	62	58	-	0.2	0.0	1.0
Montrose ...	o.b.c.	bc	67	49	-	-	2.4	4.0	Southport ...	o.p.o.	o.p.	60	58	0.2	1	0.0	1.0
St. Andrews ...			67	50	-	-	4.1	4.2									
England, E.									Midlands.								
Harrogate ...	o	o	64	53	1	-	0.0	4.2	Buxton ...	p.b.c.p.c.	p.c.p.b.c.	62	56	5	2	0.0	2.5
Scarborough ...	o	o	63	55	0.3	0.3	0.0	5.8	Leamington Spa ...	o	o	68	53	-	-	0.0	1.8
Skegness ...	o.p.m.	o.m.	73	53	1	0.1	0.0	4.4	Malvern ...	3.	3	64	53	-	1	0.0	0.0
Lowestoft ...	o.	o.p.	68	63	-	4	0.1	7.0	Bath ...	o	o.p.o.	67	60	-	1	0.0	0.0
Felixstowe ...	o.g.	o.p.m.	69	63	-	6	0.3	3.1	Rhyl ...	o.	p.c.	64	54	1	2	0.0	4.6
Southend-on-Sea ...	o.	o.p.	72	59	-	7	0.0	3.5	Colwyn Bay ...	*	*	61	55	2	2	0.0	3.5
									Llandudno ...	*	*	60	54	1	2	0.0	0.0
England, S.E.									Aberystwyth ...	p.b.c.	c.o.p.	60	58	2	2	0.0	0.0
Tunbridge Wells ...	o	o.p.	68	58	-	13	0.0	4.4	Tenby ...	p.m.	o.f.m.	62	57	3	1	0.0	0.0
Margate ...	o	o.p.p.	70	59	-	3	0.5	3.0	Swansea ...	*	*	65	58	1	1	0.0	0.0
Ramsgate ...									Weymouth ...	m.o.d.	d.o.	65	53	-	5	0.0	2.5
Folkestone ...	f	f.o.p.o.c.	64	53	-	1	0.5	6.5	Teignmouth ...	m.o.d.	c.p.o.c.	63	60	-	1	0.0	1.4
Hastings ...	o.m.p.	o.p.o.c.	67	53	-	2	0.1	6.6	Torquay ...	o.g.p.	o.p.	67	60	-	1	0.0	1.8
Eastbourne ...	o.p.	bc	67	58	-	3	0.4	6.0	Paignton ...	o.p.o.	o.p.	63	58	-	-	0.0	0.0
Brighton ...	o.p.	p.o.	62	60	-	3	0.0	2.3	Penzance ...	o.f.	c.o.	66	58	-	-	0.0	0.2
Worthing ...	p.	o	63	59	-	11	0.0	2.7	Newquay ...	o	o	62	51	-	-	0.0	0.0
Littlehampton ...	c.p.	p.b.c.	65	53	-	15	0.0	0.0	Bude ...	d.	o	63	58	1	0.1	0.0	0.0
Portsmouth (S. base) ...	*	*	66	60	-	14	0.0	2.0	Ilfracombe ...	o.f.	f.m.o.	64	59	1	-	0.0	0.0
Bournemouth ...	*	*	65	58	-	10	0.0	0.1	Weston-s-Mare ...	o.c.p.	m.p.	65	53	1	0.3	0.0	0.0
Ventnor (I. of W.) ...	*	*	63	57	trace	10	0.0	2.2									

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				TEMPERATURE.		RAINFALL.		Sun. Hours.
	7h-13h.	13h-18h.	18h-1h.	1h-7h.	Max. Temp. F.	Min. Temp. F.	Day. 7h-13h.	Night. 18h-7h.	
Renfrew ...	c.o	c.o.c.o	o.p.	o.p.	64	52	44	mm.	10.6
Eskdalemuir ...	c.o	c. @	c.o	o	64	46	42	mm.	3.8
Valencia (Canary Is.) ...	p.o.f.o.c.	c.c.c.c.c.c.	bc.c.o	o.p.	59	53	52	4	1.4
Baldonnel ...		c.p.p.	c.o.f.	c.o.r	65	60	-	2	0.5
Didsbury ...	o.f.p.d.	o.f.p.d.	o.f.p.d.	o.f.p.d.	64	54	50	2	9
Ross on Wye ...	c.o.p.p.g.	o.f.p.c.		o.f.p.c.	67	52	-	1	0.3
Falmouth ...	o.f.p.c.	c.p.f.c.	2.f.c.	o.f.p.c.	68	55	51	-	0.5
Calshot (Hants) ...	o.f.p.p.	o.f.p.p.	o.f.p.p.	o.f.p.p.	64	60	59	9	0.2
Lympne (Folkestone) ...	o.f.p.p.	o.f.p.p.	c.o.f.p.	o.f.p.p.	66	59	47	4	0.1
Aberdeen ...	o.f.p.c.	b.c.c.f.	b.b.c.	bc.c.o.f.p.	66	48	-	0.2	3.7
Howden ...	p.p.d.	u.o.f.	o.f.p.p.	p.p.o.f.	65	53	53	1	8
Cranwell (Lines) ...	p.o.f.	p.p.p.	p.o.f.	p.o.f.	68	59	-	1	3
Felixstowe ...	o.f.	o.f.p.p.	o.f.p.p.	o.f.p.p.	70	61	*	*	*
Shoeburyness ...	p.c.	RR.C.	2.f.c.	RR.C.	72	61	60	8	0.4
Benson ...	bc.c.p.	c.o	p.p.o	c.o.c.	69	59	59	7	2
S. Farnborough ...	c.p.d.	p.p.p.p.	RR.2.f.c.	RR.C.O	69	59	57	10	0.0
London (Kew Obs.) ...	c.o.f.	p.p.g.	p.p.	p.p.c.	72	61	59	9	0.0
Croydon ...	o.f.p.p.	RR.2.f.	RR.p.f.	o.f.p.p.	68	60	*	6	9

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.
n 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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
R.R. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 30 feet above ground.	
	Scotch miles per hour.	Meters per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-0.8
2	4-7	0.8-1.9
3	8-12	1.9-3.3
4	13-18	3.3-5.0
5	19-24	5.0-6.7
6	25-31	6.7-8.5
7	32-38	8.5-10.4
8	39-46	10.4-12.8
9	47-54	12.8-15.0
10	55-63	15.0-17.7
11	64-75	17.7-20.8
12	Above 75	20.8 or above

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. 22 nd July			YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	O.C.Od.	od.p.	od.o	73	60	59	15	0.0	91	78
City (Bunhill Row) ...	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James's Park)	*	*	o.o	70	61	57	18	0.0	94	77
.. (Admiralty Arch)	om	om	om.o	70	60	*	19	0.0	90	82
Camden Sq. (British Rainfall)	o	o.p	*	74	61	60	22	*	94	73
Kensington Palace ...	o	o.f	*	72	60	60	22	*	94 (8h)	88
Hampstead Observatory ...	*	*	*	68	51	*	29	0.0	*	72

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 ...	578	...	...	...
Average Rate. 101				
Maximum Rate. 48				

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

Stations.	22 nd & 23 rd July 1920.		
	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ...	3.58	11.59	7.53
Greenwich	4.10	12.06	8.03
Wick	3.43	12.08	8.01
Valencia ...	4.50	12.07	8.00

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 21st 21 h. 30 m. to 22nd 2 h. 30 m.

Stars.	Duration of Exposure.		Duration of Record.		%
Polaris	h.	m.	h.	m.	0
8 Ursae	5.	0	0.	0	0
Minoris	5.	0	0.	0	0

NOTES ON THE WEATHER OF YESTERDAY.

Secondary depressions that developed over the Southern half of the Kingdom caused heavy rain in places. At Clacton the total was 30 mm, and over 20 mm were recorded at Calshot, Shoeburyness, and Farnborough, and in London. Some good records of bright sunshine were obtained in Scotland, and Jersey had 8 hours, but for the most part there was little or none.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21,428 FRIDAY, 23rd JULY, 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H 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 2 hours	Force 0-12		°F.	%	0-9	Feet.	Form.	Amt. 0-10.	0-9.	at M.S.L.	Change in 2 hours	Force 0-12.		°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	0-9.																												
	mb.											mb.																																						
13H. G.M.T. 22 nd																						18H. G.M.T. OF 22 nd																												
Renfrew	1000.3	-4	SW 4	0	57	85	5	750	NB	10	-	999.6	-1	WSW 4	0	58	75	8	1250	SC	6	ACU 3																												
Eskdalemuir	1003.7	-3	SSW 4	0	50	97	6	1250	SC	10	-	1000.1	-1	SW 4	0	53	85	6	-	NB	9	ASC 1																												
Valencia (Cable)	1011.1	0	SW 5	0	58	75	6	750	SC	8	ASC 2	1009.9	-4	SW 5	0	56	92	5	1500	SC	10	-																												
Baldonnell	1005.7	-4	WSW 5	0.2	63	75	7	1250	SC	4	ASC 3	1006.3	0	SW 5	0	56	85	6	4200	SC	6	ASC 4																												
Didsbury	1005.2	-1	WSW 5	0.2	60	65	7	2000	ACU	3	ASC 7	1006.1	-3	SW 5	0.2	59	75	8	3000	NB	6	ASC 3																												
Ross on Wye	1011.0	+1	W 4	0	60	75	8	3000	Fr	4	ASC 6	1010.1	-1	WSW 4	0.3	60	75	7	3000	Fr	7	ASC 3																												
Falmouth	1012.6	0	WSW 3	C	64	65	7	-	ACU	6	ASC 1	1014.2	-1	WSW 3	0.9	59	85	6	-	ACU	9	-																												
Calshot (Hants)	1012.3	+1	W 3	C	67	65	8	3000	SC	5	ASC 1	1012.0	0	WSW 4	0	61	85	8	2000	SC	3	ASC 7																												
Lymington (Hants)	1010.9	-1	W 4	C	64	85	8	1250	SC	6	ACU 1	1011.3	0	WSW 5	0.9	62	75	8	2000	NB	7	ASC 2																												
Aberdeen	1000.4	-4	SSW 3	0	59	65	6	-	SC	10	-	996.5	-5	S 3	0	60	75	6	-	SC	4	-																												
Howden	1008.3	0	SW 3	0	58	85	6	1250	NB	9	ASC 1	?	-2	?	0	59	85	7	2000	SC	8	ACU 2																												
Cranwell (Lincs)	1008.2	0	W 4	0	60	75	7	3000	SC	5	ASC 4	1007.9	-1	WSW 5	0	61	75	7	2000	SC	4	ASC 5																												
Felixstowe	1003.9	-1	SW 4	0	65	65	6	4200	CU	6	-	1010.8	+1	SW 4	0.3	66	55	6	4200	SC	2	ASC 6																												
Shoeburyness	1003.8	0	SW 6	0	70	55	7	-	-	ACU	2	1010.2	+1	NNW 2	0	65	55	7	5700	Fr	2	ACU 3																												
Benson	1004.4	0	W 4	0	64	65	5	-	CU	3	-	1010.7	0	W 3	0	63	65	7	-	CU	3	ACU 3																												
S. Farnborough	1011.1	+1	W 4	0	67	65	8	2000	SC	3	ASC 4	1011.0	0	WSW 3	0	64	65	8	2000	SC	6	ASC 3																												
London (Kew Obs.)	1010.5	-1	SW 3	0	68	55	8	2000	CU	6	ASC 3	1010.7	-1	WSW 3	0	66	55	8	5700	CU	4	ASC 3																												
Croydon	1011.6	0	W 4	0	68	55	8	1000	SC	7	ASC 2	1011.2	-1	W 4	0	65	65	8	2000	SC	3	ASC 5																												
1H. G.M.T. OF 23 rd																						7H. G.M.T. OF 23 rd																												
Renfrew	1000.7	-1	SW 4	0	7	92	6	-	SC	10	-	997.3	-1	WSW 3	0	53	85	6	2000	SC	7	ACU 2																												
Eskdalemuir	999.4	-5	SSW 4	0	57	-	-	-	-	-	-	997.8	-3	SW 1	0	49	92	6	2000	NB	2	ASC 1																												
Valencia (Cable)	1001.6	-4	SSW 2	0	52	97	3	1500	NB	10	-	998.8	0	WSW 4	0	57	85	5	1500	SC	10	-																												
Baldonnell	1001.6	-4	SSW 2	0	52	97	3	1500	NB	10	-	998.2	-4	WSW 3	0	55	97	4	1500	SC	10	-																												
Didsbury	1001.6	-4	SSW 2	0	52	97	3	1500	NB	10	-	999.9	-5	S 6	0	54	85	5	1250	NB	10	-																												
Ross on Wye	1010.6	-4	SW 5	0	58	92	6	-	SC	9	-	1002.9	-6	SW 5	0	56	85	6	1250	NB	10	-																												
Falmouth	1010.4	-2	WSW 4	0	58	85	7	2000	SC	10	-	1005.4	-4	SW 6	0	57	97	4	-	NB	10	-																												
Calshot (Hants)	1010.8	-1	SW 3	0	56	92	8	3000	Fr	10	-	1007.8	-3	SW 5	0	60	92	7	750	SC	10	-																												
Lymington (Hants)	1003.4	-1	SW 4	0	55	92	9	2000	SC	10	-	1009.1	-1	SW 5	0	58	85	7	750	SC	8	ASC 2																												
Aberdeen	1003.4	-1	SW 4	0	55	92	9	2000	SC	10	-	995.2	-1	SW 2	0	54	65	7	-	-	4	2																												
Howden	1006.4	0	W 3	0	55	92	5	3000	SC	10	-	1000.8	-4	S 4	0	55	92	6	3000	SC	8	ASC 2																												
Cranwell (Lincs)	1003.1	-3	SSW 4	0	56	92	5	3000	SC	10	-	1003.1	-3	SSW 4	0	56	92	6	3000	NB	9	ASC 2																												
Felixstowe	1008.1	-2	SSW 4	0	60	75	6	1250	NB	1	ASC 9	1008.1	-2	SSW 4	0	60	75	6	1250	NB	1	ASC 9																												
Shoeburyness	1007.8	-1	SW 5	0	60	75	7	2000	Fr	3	ASC 4	1007.8	-1	SW 5	0	56	97	5	-	CU	10	-																												
Benson	1004.9	-3	SSW 4	0	56	97	5	-	CU	10	-	1004.9	-3	SSW 4	0	58	85	6	2000	NB	8	ASC 2																												
S. Farnborough	1007.0	-3	SSW 4	0	60	75	8	2000	CU	3	ASC 7	1006.9	-4	SSW 5	0	60	75	8	2000	CU	3	ASC 7																												
London (Kew Obs.)	1008.3	-3	SSW 4	0	58	85	7	2000	SC	4	ASC 6	1008.3	-3	SSW 4	0	58	85	7	2000	SC	4	ASC 6																												
Croydon	1008.3	-3	SSW 4	0	58	85	7	2000	SC	4	ASC 6	1008.3	-3	SSW 4	0	58	85	7	2000	SC	4	ASC 6																												
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																																																		
STATIONS	BAROM.	TEMP.	WIND.	WEATHER	BAROMET.	TEMPERATURE	WIND.	Dir. of Upper Cloud.	Weather.	Sea	Rainfall	TEMP.	WEATHER.			Sunshine																																		
	at M.S.L.	°F.	Force 0-12.		at M.S.L.	Change in 24 hours	°F.					Change in 24 hours	Dir. Force 0-12.	Max. °F.	Min. °F.		Morning.	Afternoon.	Night.																															
	mb.				mb.																																													
18H. G.M.T. OF 22 nd																	7H. G.M.T. OF 23 rd																	24 HOURS ENDED 7H. 23 rd																
Lerwick	998.0	55	S 2	0 m	988.7	-2	52	+2	S 2	SW	cm	1	57	50	0 m	0 m	0 m	4																																
Stornoway	992.7	55	SW 5	0 p	991.4	-1	52	0	W 4	-	odp	3	59	49	0 p	0 p	0 p	2.8																																
Castell Bay (Barcelo)	997.3	55	WSW 5	C	995.7	-1	53	-1	NNW 4	NN	bc	4	57	49	0 p	0 p	0 p	7.3																																
Blackhead	999.8	55	WSW 4	bc	996.9	-1	54	+1	NNW 3	NN	bc	3	58	52	bc	bc	bc	7.3																																
Roche's Point	1003.9	55	WSW 3	0 m	998.9	+1	53	-3	N 2	NE	bc	2	7	50	bc	bc	0 m																																	
Bar Castle	1010.5	57	WSW 3	0	999.1	-2	55	0	WSW 4	-	0	4	4	62	54	0	0																																	
Donaghadee	1006.4	54	SW 1	+	996.1	55	+2	NNW 1	-	+	+	8	59	52	0	0	0																																	
Liverpool (Baldon)	1003.0	59	W 2	bc p	994.1	-3	50	-3	-	-	cm	10	63	49	0	0	0																																	
Penbroke (Barcelo)	1005.2	59	SW 4	0	997.8	-6	53	-1	SSE 3	-	0	3	61	53	0	0	0	1.6																																
Scilly (St. Mary's)	1010.2	58	WSW 5	C.9	995.9	-8	56	+1	SW 5	-	0	9	61	53	0	0	0	1.7																																
Jersey (St. Aubin)	1014.8	58	WSW 5	0	1000.8	-3	57	+2	SSW 6	-	0	2	59	55	0	0	0	1.5																																
Portland Bill	1016.1	61	W 4	0	1005.8	-4	58	+2	WSW 5	-	0	6	63	56	0	0	0	6.6																																
Dungeness	1012.5	61	WSW 5	C	1007.1	-6	58	-2	WSW 5	-	0	3	64	58	0	0	0	3.5																																
Wick	1011.3	62	SW 6	C	1009.1	-2	60	-1	SW 4	SH	C	4	66	51	0	0	0																																	
Mairn	993.9	58	SW 1	bc	990.3	-2	52	-1	WSW 2	-	0	2	62	48	0	0	0																																	
Leith	994.2	62	WSW 3	bc	992.6	-2	53	-2	W 2	-	bc	2	66	48	0	0	0	5.0																																
Lynmouth	1001.6	60	W 2	C. m	998.5	-3	54	-1	-	-	0	2	63	52	0	0	0																																	
Spurn Head	1006.2	62	WSW 5	C	1002.2	-2	57	+3	SW 6	-	0	4	64	53	0	0	0																																	
Falmouth (Kew Obs.)	1008.8	64	WSW 4	C	1006.7	-2	59	-3	SW 4	-	0	3	71	57	0	0	0	7.5																																
Clacton-on-Sea	1007.4	59	SW 3	0	1007.4	-2	60	-2	SW 5	-	0	4	71	58	0	0	0	6.2																																
Nottingham	1007.4	59	SW 3	0	1007.4	-2	60	-2	SW 5	-	0	4	71	58	0	0	0	3.9																																

* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

§ For code see page 3

EXPLANATION

BAROMETER—Inches are given in intervals of two millibars.

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

TEMPERATURE is given in degrees.

WEATHER SYMBOLS

☉	clear sky.	☁	sky cloudy.
☁	sky is clouded.	☁	overcast sky.
☁	overcast sky.	☁	hail.
✱	snow.	☁	thunder.

SEA DISTURBANCE—

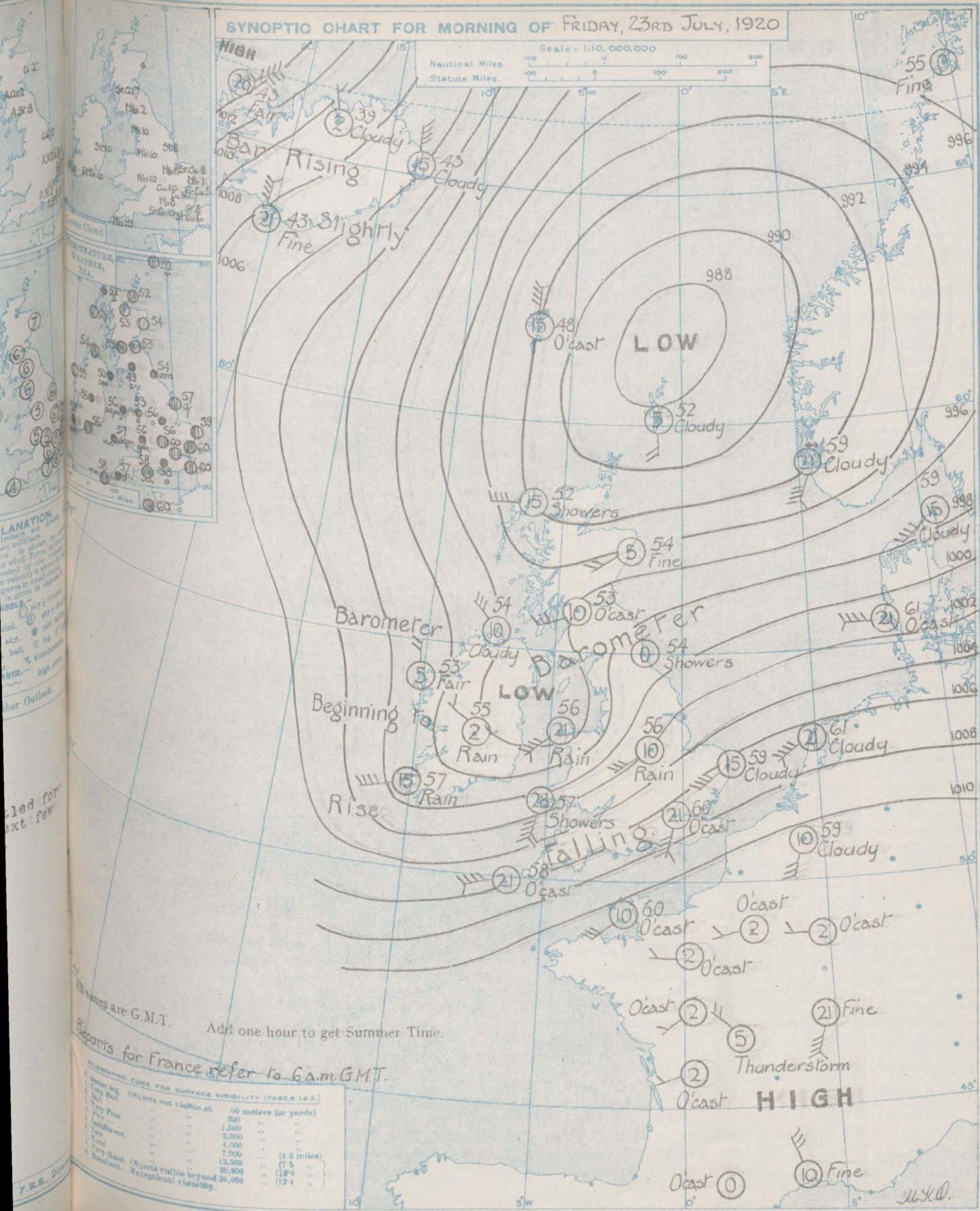
⊙	rough.	⊙	very rough.
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—her Outlook

Unsettled for
the next few
days.

SYNOPTIC CHART FOR MORNING OF FRIDAY, 23RD JULY, 1920

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



times are G.M.T.

Add one hour to get Summer Time.

Reports for France refer to 6 a.m. G.M.T.

SYNOPTIC CODE FOR SURFACE VISIBILITY (FARES I.A.S.)	
Very Poor	(1) Objects not visible at 100 metres (or yards)
Poor	" " " " 800 "
Fair	" " " " 1,000 "
Good	" " " " 2,000 "
Very Good	" " " " 4,000 "
Excellent	" " " " 7,000 "
	" " " " 12,000 "
	" " " " 20,000 "
	" " " " 30,000 "
	" " " " 40,000 "
	" " " " 50,000 "
	" " " " 60,000 "
	" " " " 70,000 "
	" " " " 80,000 "
	" " " " 90,000 "
	" " " " 100,000 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No 205.

FRIDAY.
23rd JULY 1920

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night 17h-9h.	Day 9h-17h.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night 17h-9h.	Day 9h-17h.	to 17h.	Sunrise to Sunset.
Oban ...	no.c.p.d.		57	51	44	0.3	2.4	7.5	Douglas (I.O.M.)								
Banff ...	o.	o.p.c.	65	47	1	0.3	0.8	1.9	Blackpool ...	no.c.p.d.		61	53	9	1	1.0	0.0
Montrose ...	o.	o	60	43	-	-	1.2	4.7	Southport ...	o.p.c.	o.p.c.	61	53	11	1	1.3	0.0
St. Andrews ...	c.p.	c.p.	62	45	-	2	2.4	5.7	Buxton ...	o.c.p.d.	o.c.p.d.	59	51	11	0.1	1.6	0.1
Harrogate ...	o.c.p.d.	o.c.	60	50	9	-	4.8	0.0	Leamington Spa ...	o.c.p.	o	65	58	1	-	2.1	0.0
Scarborough ...	o.c.	o.c.	68	52	14	-	3.1	0.0	Malvern ...	c.	c.	63	57	1	-	3.8	0.0
Skewness ...	o.c.	c.p.d.	67	59	6	-	4.2	1.1	Bath ...	o.c.p.d.	o.c.p.d.	65	58	6	-	3.8	0.0
Lowestoft ...	c.p.c.	c	70	61	13	-	5.1	0.1	Rhyl ...	o.c.p.	c.p.	61	53	9	0.4	1.5	0.0
Felixstowe ...	c.p.c.	o.c.	71	61	15	-	4.8	0.3	Colwyn Bay ...	*	*	61	53	13	-	1.9	0.0
Southend-on-Sea ...	o.c.	c.p.c.	71	59	15	-	5.2	0.0	Llandudno ...	*	*	62	53	9	0.2	3.0	0.0
Tunbridge Wells ...	o.c.	o.c.	71	59	5	-	5.0	0.0	Aberystwyth ...	o.c.	c.o	59	54	10	-	2.2	0.0
Margate ...	c.	o.c.p.d.	72	62	2	-	4.3	0.5	Tenby ...	o.c.	o.c.p.d.	62	53	2	1	2.6	0.0
Ramsgate ...	*	*	73	60	3	-	5.2	?	Swansea ...	*	*	*	*	2	-	5.7	0.0
Folkestone ...	o.g.o	o.c.	66	59	-	-	4.5	1.3	Weymouth ...	o.c.p.d.	o.c.p.d.	68	58	2	-	9.0	0.3
Hastings ...	o.p.d.	o.c.p.d.	67	59	1	-	6.2	0.4	Teignmouth ...	o.	o.c.	63	53	-	-	8.7	0.3
Eastbourne ...	o.p.d.	o.c.	65	58	1	-	8.1	1.1	Torquay ...	o.c.	o.c.	68	57	-	-	8.0	0.0
Brighton ...	o.d.	o.c.	66	60	5	-	5.7	0.0	Paignton ...	o.c.p.	o.c.p.d.	69	56	-	-	2.5	0.1
Worthing ...	o.	c.p.d.	67	60	8	-	7.0	0.0	Penzance ...	o.c.	o.c.	65	56	0.1	-	7.5	0.1
Littlehampton ...	o.c.	o.c.	68	59	12	-	5.2	0.2	Newquay ...	o.v.	o.c.	63	56	0.1	-	5.7	0.0
Portsmouth (S. Sea) ...	*	*	68	59	12	-	7.6	0.0	Bude ...	c.p.c.	c	63	57	-	-	4.0	0.0
Bournemouth ...	*	*	68	58	16	-	8.0	0.0	Ilfracombe ...	c.o	c.o	62	56	1	-	3.5	0.0
Ventnor (I. of W.) ...	*	*	64	57	8	-	8.1	0.0	Weston-s-Mare ...	o.c.	o.c.	64	58	1	-	-	-

SUMMARY FOR 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	RAINFALL.		Sun. Hours.
	7h-18h 22	18h-18h 22	18h-22 23	18h-7h 23				Day 7h-18h.	Night 18h-7h.	
Renfrew ...	c.p.	c.p.	c.o.p.	c.o	60	49	44	0.0	0.0	2.4
Eskdalemuir ...	o.p.d.	c.p.	o.c.	o.p.o	67	47	46	0.0	0.0	0.0
Valencia (Cahire) ...	o.	o.p.	o.p.d.	c.p.	58	54	52	1	4	0.0
Baldonnel ...	o.p.	o.p.	o.p.	o.p.	64	51	51	2	5	3.3
Didsbury ...	c.p.	o.p.p.d.	c.o.p.	o.p.p.d.	61	53	48	0.3	3	*
Ross on Wye ...	o.c.p.d.	o.c.p.d.	o.p.o	o.p.d.	65	54	53	-	1	4.7
Falmouth ...	o.c.	c.o	c.o.c	o.p.o	64	56	55	-	1	11.3
Calshot (Hants) ...	c.o.	o.c.p.d.	o.p.p.	o.p.o	64	58	56	-	Trace	5.4
Lymington (Falmouth) ...	o.p.p.d.	o.c.p.d.	o.p.	o.p.	67	56	58	Trace	-	3.7
Aberdeen ...	o.p.p.d.	o.p.p.d.	o.c.	o.c.	62	48	42	0.2	-	4.8
Howden ...	o.p.	o.p.	o.p.	o.p.	66	53	50	1	-	3.6
Cranwell (Lincs) ...	o.c.p.d.	o.c.p.d.	o.p.p.	o.p.	64	54	*	0.3	Trace	4.3
Felixstowe ...	c.p.c.	c.p.c.	c.o.p.	o.c.	72	58	*	*	*	*
Shoeburyness ...	o.p.p.d.	o.c.p.d.	o.c.p.d.	o.c.p.d.	72	58	56	0.2	-	5.7
Benson ...	o.p.p.d.	o.c.p.d.	o.c.p.d.	o.p.o	70	55	51	-	0.2	*
S. Farnborough ...	c.p.c.	c.p.c.	c.o.p.d.	o.c.p.d.	69	56	54	-	-	6.0
London (Kew Obs.) ...	c.o	c.p.c.	c.o	o	69	58	54	-	-	5.2
Croydon ...	c.p.c.	c.p.c.	o.p.p.	o.p.p.	69	56	*	-	-	*

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.	Force.	
	Scale miles per hour.	Miles per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-0.8
2	4-7	0.8-1.9
3	8-12	1.9-3.4
4	13-18	3.4-5.0
5	19-24	5.0-6.7
6	25-31	6.7-8.5
7	32-38	8.5-10.4
8	39-46	10.4-12.7
9	47-54	12.7-15.0
10	55-63	15.0-17.5
11	64-72	17.5-20.1
12	Above 73	20.1 or above

SYMBOLS.

Antora ☼ 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.						10h.	9h.
	24 HOURS ENDED 9h G.M.T. 23rd								YESTERDAY.	TODAY.
Greenwich (Royal Observatory)	o	o.c.p.d.	o.c.p.d.	70	57	54	-	6.7	48	74
City (Bunhill Row)	"	"	"	"	"	"	"	5.9	"	"
Westminster (St. James's Park)	"	"	bc.o.c.	72	58	53	-	4.3	50	72
.. (Admiralty Arch)	om.bc.p.	bc.p.	bc.p.p.	71	58	"	-	6.1	60	72
Cannden Sq. (British Rainfall)	ov.c	bc	"	74	57	55	Trace	"	54	77
Kensington Palace	o.bc	bc.p.d.	"	71	57	55	-	"	60 (18h)	76
Hampstead Observatory ...	"	"	"	69	55	"	-	6.2	"	72

SOUTH KENSINGTON (Meteorological Office).

(Meteorological Office).	IN THE UNITED KINGDOM OF GREAT BRITAIN AND IRELAND.				1920
Vertical Component of Solar Radiation per Square Centimetre during yesterday.	23 rd 22 nd 21 st 20 th 19 th 18 th 17 th 16 th 15 th 14 th 13 th 12 th 11 th 10 th 9 th 8 th 7 th 6 th 5 th 4 th 3 rd 2 nd 1 st				9 th
Total..... Joules.	Stations.	Sunrise.	Noon.	G.M.T.	G.M.T.
1600	Yarmouth...	4.0	11.59	7.58	7.58
		4.2	11.59	7.58	7.58
	Greenwich	4.12	12.6	7.58	7.58
		4.13	12.6	7.58	7.58
	Wick	3.45	12.18	8.44	8.44
		3.47	12.43	8.44	8.44
	Valencia ..	4.50	12.43	8.44	8.44
		4.52	12.43	8.44	8.44

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

Stations.	23rd 22nd 21st July 1920		
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	4.0	11.59	7.53
Greenwich	4.2	11.59	7.53
Wick	4.12	12.6	8.5
Valencia	4.52	12.5	9.4

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

Exposure from 22nd 21h. 30 m. to 23rd 2h. 30 m.

Stars.	Duration of Exposure.		Duration of Record.		%
	h.	m.	h.	m.	
Polaris	5	0	0	27	9
δ Ursae Minoris	5	0	0	3	1

NOTES ON THE WEATHER OF YESTERDAY.

Some rather large falls of rain occurred, 10 mm at Eskdale and Donaghadee, and 9 mm at Holyhead, but at some stations in the South of England there was none, and in these parts sunshine was fairly abundant. The temperature slightly exceeded 70° in parts of Eastern England, but in the North and West for the most part failed to reach 60°



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 429. Saturday, 24th July 1920.

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

STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Direc. Force 0-12.	Weather	TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Direc. Force 0-12.	Weather	TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.	
13H. G.M.T. 23 rd .																							
Renfrew ...	996.7	0	WNW 4	bc	53	65	8	2,000	Scd	6	-	997.2	+1	W 3	0	56	75	8	2,000	NB	10	-	-
Eskaideimuir ...	996.0	-1	W 2	0	57	65	8	4,200	Scd	9	-	996.9	+1	NW 4	bcv	57	65	9	4,200	Cu	4	-	-
Valencia (Caher'n) ...	1001.2	+2	NNE 1	0	58	85	8	2,000	Sc	5	asc	1003.8	+4	N 4	0	56	85	8	2,000	Scd	10	-	-
Baldonnell ...	993.4	+2	N 2	0	57	85	8	1,250	Scd	10	-	1001.1	+2	WNW 3	c	60	65	7	3,000	Sc	5	asc	2
Didsbury ...	996.3	-3	W 5	ORg.	53	92	4	750	NB	10	-	999.0	+3	WNW 4	c3	58	75	6	3,000	Cu	4	asc	4
Ross on Wye ...	1000.0	-2	W 5	ORg.	63	75	7	2,000	Scd	9	asc	1000.2	0	W 3	0	61	85	8	2,000	Sc	10	-	-
Falmouth ...	1004.3	-1	SW 6	ORg.	63	85	5	-	NB	10	-	1003.9	-1	WSW 6	C.g.f.	60	85	5	-	NB	7	-	-
Calshot (Hants) ...	1004.5	-3	WSW 6	ORg.	60	75	3	750	NB	10	-	1003.0	-2	WSW 5	0	61	92	7	750	Sc	10	-	-
Lynphne (Folkestone) ...	1006.6	-3	SW 7	ORg.	56	97	6	4500	Sc	10	-	1004.2	-3	SW 7	C.Dmg	58	97	4	4500	NB	10	-	-
Aberdeen ...	993.4	-1	W 2	c	63	33	7	-	Scd	8	-	994.5	+2	WNW 3	c	53	75	7	-	NB	7	-	-
Howden ...	995.2	-4	SSW 6	ORg.	65	75	5	2,000	Sc	10	-	996.8	+2	WNW 2	C.f.	58	92	4	2,000	Scd	6	asc	3
Cranwell (Lincs) ...	998.0	-4	SSW 6	0	62	85	8	1,250	NB	10	-	998.2	+1	WNW 4	0	61	92	7	2,000	NB	8	asc	2
Felixstowe ...	1004.9	-3	S 6	ORg.	63	75	7	2,000	Scd	10	-	1002.9	-2	S 6	ORg.	63	85	7	2,000	Scd	8	asc	2
Shoeburyness ...	1004.3	-3	SSW 8	C.f.	62	75	7	3,000	Cu	5	asc	1002.3	-2	SW 7	bc	63	75	7	2,000	Scd	3	asc	2
Benson ...	1001.3	-3	SW 3	ORg.	60	92	4	-	NB	10	-	1000.8	-3	WSW 3	0	63	85	7	-	NB	10	-	-
S. Farnborough ...	1003.7	-2	SSW 6	ORg.	53	92	6	1,250	NB	10	-	1002.0	-1	SSW 5	0	63	92	6	1,250	NB	10	-	-
London (Kew Obs.) ...	1003.0	-4	SSW 5	ORg.	62	85	5	1,250	Scd	8	asc	1001.3	-2	SSW 5	0	64	75	8	1,250	Scd	7	asc	2
Croydon ...	1004.8	-2	SSW 6	ORg.	58	97	5	750	NB	8	asc	1003.5	-2	SW 4	Cu.	61	85	8	750	NB	6	asc	2
1H. G.M.T. OF 24 th .																							
Renfrew ...	999.4	0	WNW 4	ORg.	49	85	6	2,000	Scd	10	-	1002.8	+4	NW 4	bc	51	75	8	2,000	Scd	3	C	1
Eskaideimuir ...	1010.2	+6	WNW 5	ORg.	49	85	6	2,000	Scd	10	-	1004.9	+5	NW 3	0	48	85	8	3,000	Scd	9	-	-
Valencia (Caher'n) ...	1005.7	+4	-	bc	44	92	7	-	-	-	-	1013.8	+4	N 2	c	54	75	6	2,000	Scd	4	asc	3
Baldonnell ...	-	-	-	-	-	-	-	-	-	-	-	1010.3	+5	N 3	b	49	85	8	1,250	Cu	1	-	-
Didsbury ...	-	-	-	-	-	-	-	-	-	-	-	1004.1	+2	WNW 4	C3g	53	75	4	1,250	Scd	6	asc	2
Ross on Wye ...	-	-	-	-	-	-	-	-	-	-	-	1002.2	+6	N 2	by	54	85	9	4,200	Cu	2	-	-
Falmouth ...	1002.9	-2	W 3	ORg.	57	94	3	-	NB	10	-	1010.7	+9	NW 3	b	56	85	8	-	Cu	2	-	-
Calshot (Hants) ...	1002.4	-1	WSW 4	0	59	92	5	3,000	Sc	10	-	1008.1	+6	N 4	c	53	92	8	2,000	Scd	7	-	-
Lynphne (Folkestone) ...	1001.9	-1	SW 3	0	61	97	8	1,250	Sc	10	-	1003.1	0	N 7	ORg.	49	97	5	4500	NB	10	-	-
Aberdeen ...	-	-	-	-	-	-	-	-	-	-	-	1002.0	+4	WNW 4	bc	50	65	8	-	Scd	4	C	1
Howden ...	1000.1	+2	NW 1	ORg.	50	97	6	2,000	Scd	7	asc	1002.2	+3	NW 4	Cg	52	85	7	4,200	Scd	6	C	1
Cranwell (Lincs) ...	1000.9	0	WNW 3	ORg.	53	92	5	3,000	Sc	10	-	1003.5	+3	WNW 4	C2.f	52	85	5	4,200	Sc	3	asc	4
Felixstowe ...	-	-	-	-	-	-	-	-	-	-	-	1002.2	+2	W 4	ORg.	52	85	5	1,250	Sc	10	-	-
Shoeburyness ...	-	-	-	-	-	-	-	-	-	-	-	1003.4	+2	NW 1	ORg.	51	85	5	2,000	Sc	10	-	-
Benson ...	-	-	-	-	-	-	-	-	-	-	-	1004.2	+2	W 2	bc	50	97	5	-	Cu	5	-	-
S. Farnborough ...	-	-	-	-	-	-	-	-	-	-	-	1006.1	+4	WNW 2	ORg.	50	92	6	2,000	NB	6	asc	4
London (K.O. at In.) ...	1001.9	-1	-	-	59	-	-	-	-	-	-	1003.2	+5	WNW 1	ORg.	51	85	5	2,000	NB	8	asc	2
Croydon ...	1002.4	-2	WSW 4	ORg.	59	92	6	750	Sc	10	-	1004.2	+3	NW 1	ORg.	50	92	5	750	NB	8	asc	2
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																							
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND. Direc. Force 0-12.	Weather	BAROMETRICAL		TEMPERATURE		WIND		Direc. of Upper Cloud.	Weather	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.				Sunshine Hours.		
					at M.S.L. mb.	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 23 rd .																							
Lerwick ...	990.5	57	W 2	bcn	996.7	+4	51	-1	NW 4	-	ORg.	3	11	61	48	bcn.	bcn.	ORg.	bcn.	ORg.	bcn.	ORg.	bcn.
Stornoway ...	997.8	54	NW 5	ORg.	1000.7	+3	47	-5	NW 3	-	bc	2	5	56	45	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Castlebay (Barra) ...	1000.2	53	NW 4	C	1006.0	+2	51	-2	NW 2	-	ORg.	2	2	55	48	bcn.	bcn.	ORg.	bcn.	ORg.	bcn.	ORg.	
Malin Head ...	999.7	52	NW 4	C.P.	1006.8	+2	53	-1	NW 4	NW	Cg	4	2	56	47	bcn.	bcn.	ORg.	bcn.	ORg.	bcn.	ORg.	
Blacksod Point ...	1003.0	58	NW 3	bcn	1009.8	+2	58	+5	W 2	W	bc	2	0.2	60	47	bcn.	bcn.	ORg.	bcn.	ORg.	bcn.	ORg.	
Roche's Point ...	1002.3	56	W 2	P.m.	1012.6	+5	51	-4	NW 3	NW	b	2	5	61	48	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Birr Castle ...	1001.5	59	NW 1	C	1011.1	+5	49	-6	NW 1	-	C	2	2	62	43	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Donaghadee ...	1000.2	57	WNW 2	bcn	1007.1	+5	51	-1	WNW 3	NW	bcn	3	1	58	45	bcn.	bcn.	ORg.	bcn.	ORg.	bcn.	ORg.	
Liverpool (Bilston) ...	999.4	55	W 4	bcn	1004.9	+4	52	-1	WNW 5	W	bcg	5	13	60	51	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Holyhead ...	1000.1	57	W 2	Cg.	1008.1	+3	53	-3	NW 6	N	Cg.p	5	14	58	51	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Rembroke (St. Mary's) ...	1004.5	55	N 3	ORg.	1010.0	+7	53	-4	NW 3	N	bcv	3	6	59	51	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Jersey (St. Aubin) ...	1007.2	62	SW 4	C	1011.5	+7	55	-3	NNW 5	NW	bc	5	3	61	54	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Portland Bill ...	1003.4	60	SW 7	ORg.	1006.6	+1	56	-4	N 4	-	b	3	6	64	54	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Dunfene ...	1003.8	61	SW 6	Cg.	1006.6	+1	56	-4	N 4	N	bc	5	5	61	50	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Wick ...	993.4	55	NW 2	C	999.8	+3	49	-3	NNW 2	-	ORg.	2	2	61	46	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Nairn ...	995.4	55	W 2	C	1001.7	+4	51	-2	SSW 1	W	bc	1	2	62	49	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Leith ...	995.6	61	W 2	bcn	1002.9	+4	51	-2	SSW 1	W	C	1	2	62	49	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Tynemouth ...	996.6	59	WNW 5	Cg.p.	1001.7	+1	54	-3	NNW 6	-	ORg.	4	4	66	51	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Spurn Head ...	1000.3	65	SW 5	bcn	1001.5	+1	51	-8	NW 3	-	ORg.	1	10	65	51	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Yarmouth (Gorleston) ...	1001.8	63	SW 6	C	1003.0	+3	51	-9	NNW 3	-	ORg.	2	2	66	50	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Clacton-on-Sea ...	998.2	60	W 3	C	1003.7	+3	53	-3	NNW 2	NW	bc	2	5	66	52	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	ORg.	
Nottingham ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

* Information for these columns not usually received.

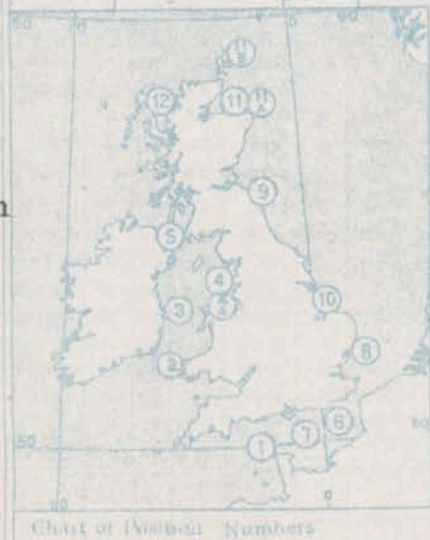
† The barometric change is expressed in half millibars.

§ For code see page 2.

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 24.7.1920.

Temperature reported from Coastal and Cross Channel Steamers.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number.	Date.	Time G.M.T.	Sea ° F.	Air ° F.
1. S.E. England	Dull, rainy, local mist.	Indiff	Mod.	5.	23 rd	07.24	53	54
2. E. England	Dull, some rain, local mist.	"	smooth	3.	23 rd	09.10	54	56
3. E. Midlands	Fair generally.	"	-	1.	23 rd	11.40	58.00	60.75
4. W. Midlands	Fair or fine.	Var.	-	6.	23 rd	14.15	60	63
5. S.W. England	Fair or fine.	V.good.	R.rough	2.	24 th	01.00	55	56
6. South Wales	Fair generally.	"	slight	4A.	24 th	02.10	54	52
7. North Wales	Cloudy, showery, squally.	Good	R.rough	12.	24 th	03.00	51	52
8. N.W. England	Fair to dull; squally.	"	"					
9. N. Midlands	Fair to dull; squally.	Var.	-					
10. N.E. England	Cloudy or dull; local mist and rain.	"	slight					
11. E. Scotland	Fair to cloudy.	V.good.	smooth					
12. S.W. Scotland	Fair to dull.	"	slight					
13. Isle of Man	Fair to cloudy; squally.	"	R.rough					
14. N. & N.W. Scotland	Fair to cloudy; local mist.	Fair	smooth					
15. Hebrides	Fair to dull.	Good	"					
16. Orkneys and Shetlands	Dull, misty, rainy.	Indiff	slight					
17. N.W. Ireland	Fair.	Fair	smooth					
18. N.E. Ireland	Fair to cloudy, local mist.	Indiff	"					
19. S.E. Ireland	Fine to cloudy.	V.good	slight					
20. S.W. Ireland	Fine to cloudy.	Good	"					



GENERAL INFERENCE from observations received up to 9h. G.M.T.

It appears probable that further depressions will arrive from the Westward or North-Westward before long, and that after a temporary improvement the weather will again become unsettled, with much cloud and occasional rain.

EXPLANATION
 BAROMETRIC.—Indicates the interval of two millibars.
 WIND.—Direction is shown by the arrow. Force is indicated by the number of feathers. Mean velocity in miles per hour by figures in circles.
 TEMPERATURE.—Indicated by the number in circles.
 WEATHER SYMBOLS.—
 ☉ clear sky.
 ☁ sky 1 clouded.
 ☁☁ overcast sky.
 * snow. A hail.
 T thunder.
 SEA DISTURBANCE.—
 Rough.
 Further Outlets.

Districts. Forecasts for the 24 hours commencing 15h. G.M.T. Saturday 24th July 1920.

1. S.E. England	Wind Northwest, light or moderate, probably backing towards West later. Mainly fair, then becoming very cloudy or overcast, with rain or showers. Temperature rather low; visibility good.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind W. or S.W., moderate or light. Fair, then dull, with rain at times. Visibility good to fair; cool.
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	

Unsettled generally with occasional rain and fair intervals. Temperature low.

Scale - 1:10,000,000

ports for France - 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No 2096.

Saturday
24th July

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 23 rd																				
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.			STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sun- set.				Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sun- set.
Scotland.	Oban	o.c.p.o.		59	50	2	1	6.9	2.4	England, N.W.	Douglas (I.O.M.)	+	+	58	52	6	1	4.5	1.0	
	Banff	bc	bc.p.c.	63	47	-	-	7.2	2.6		Blackpool	o.c.	bc	59	54	12	4	1.5	1.3	
	Montrose	bc	bc.o	67	43	-	2	11.0	3.6		Southport	p.o.	bc.p.c.	61	53	9	4	1.5		
	St. Andrews	-	-	67	48	-	-	9.6	4.4											
England, N.E.	Harrogate	o.c.	o.p.	61	51	11	5	0.0	5.5	Midlands.	Buxton	bc.p.c.	bc.p.c.	59	50	8	5	0.6	2.5	
	Scarborough	o.c.	o.c.	62	52	2	6	0.0	3.3		Leamington Spa... ..	o.c.	o.c.	68	55	-	0.1	2.2	2.1	
	Skewness	o.p.	o.p.c.	66	54	-	4	0.5	5.2		Malvern	o.c.	o.c.	65	54	1	0.4	2.2	3.8	
	Lowestoft	o.c.o.p.c.	o.c.o.p.c.	64	56	-	-	1.0	5.2		Bath	o.p.	o.c.p.	64	57	1	1.3	0.5	3.8	
England, E.	Felixstowe	o.c.	o.c.	64	59	-	-	0.1	5.7	Wales.	Rhyl	+	bc.p.c.	61	54	2	7	0.6	2.2	
	Southend-on-Sea... ..	o.	o.	63	56	-	-	0.1	5.7		Colwyn Bay	+	+	60	54	5	8	0.7	3.0	
											Llandudno	+	+	59	53	4	-	0.0	0.3	
											Aberystwyth	bc.p.c.	o.c.	59	53	3	-	0.0	2.2	
England, S.E.	Tunbridge Wells	o.	o.d.o.c.	62	55	-	1	0.0	5.0	England, S.W.	Tenby	o.c.	o.c.	62	54	4	2	0.0	2.6	
	Margate	c	c	64	57	-	-	0.3	4.3		Swansea	+	+	65	56	6	0.3	0.8	6.0	
	Ramsgate	+	+	64	48	-	-	0.4	5.3											
	Folkestone	o.	o.c.	61	57	-	0.3	0.1	4.7		Weymouth	o.p.o.	o.	65	58	0.3	-	0.3	9.5	
	Hastings	o.c.	o.p.o.	62	57	-	1	0.0	6.4		Teignmouth	mo.d.	o.d.o.c.	65	57	0.1	2	0.7	8.8	
	Eastbourne	o.c.	o.c.	61	59	-	1	0.0	8.7		Torquay	o.c.	bc.p.o.	64	58	0.1	2	0.2	8.0	
	Brighton	o.	o.	61	60	-	-	0.0	6.3		Paignton	o.d.g.	o.p.g.o.	64	56	1	1	0.2	8.5	
	Worthing	o.	o.	62	59	-	?	0.1	7.5		Penzance	o.d.c.	o.p.h.bc	64	57	1	0.4	2.1	7.5	
	Littlehampton	o.c.	o.c.	64	56	-	-	0.0	5.4		Newquay	o.c.p.	o.c.	61	56	2	0.3	0.5	5.7	
	Portsmouth (S. Sea)	+	+	63	58	-	1	0.9	7.9		Bude	d.o.d.	d.o.d.o	62	56	2	0.2	0.0	4.0	
	Bournemouth	+	+	62	57	0.3	-	0.2	8.0		Ilfracombe	o.c.	o.c.	62	57	3	4	0.5	3.5	
	Ventnor (I. of W.)	+	+	63	56	-	1	0.0	8.2		Weston-s-Mare	bc.p.c.	bc.p.c.	63	?	2	2			

SUMMARIES FOR PAST 24 HOURS.														
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUN.		BEAUFORT NOTATION.				
		7h-13h.	13h-18h.	18h-24h.	1h-7h.	7h-13h.	13h-18h.	18h-24h.	Hours.					
Renfrew	...	o.c.	o.c.	o.c.p.	bc	62	48	43	7.9	THE BEAUFORT SCALE OF WIND FORCE. Use only for surface observations. Limits of Velocity at about 30 feet above ground. No. Statute miles per hour. Metres per second. 0 Less than 1 0.3-1.5 1 1-3 1.6-2.2 2 4-7 2.3-2.9 3 8-12 3.0-3.7 4 13-18 3.8-4.5 5 19-24 4.6-5.3 6 25-31 5.4-6.1 7 32-38 6.2-6.9 8 39-46 7.0-7.7 9 47-54 8.0-8.7 10 55-63 9.0-9.7 11 64-75 10.0-10.7 12 Above 75 10.8 or above				
Eskdalemuir	...	bc.p.c.	bc.p.c.	o.c.	o.c.	61	46	45	0.1					
Valencia (Cahire'n)	...	o.c.p.	o.c.	o.c.	bc	58	51	46	0.0					
Baldonnel	...	bc.p.c.	o.c.	bc	bc	63	42	-	5.5					
Didsbury	...	bc.p.c.	bc.p.c.	o.c.	bc	64	49	42	13					
Ross on Wye	...	bc.p.c.	bc.p.c.	o.c.	bc	67	50	47	1					
Falmouth	...	bc.p.c.	bc.p.c.	o.c.	bc	64	51	49	1					
Calshot (Hants)	...	o.c.	o.c.	o.c.	bc	62	49	49	0.1					
Lympne (Folkestone)	...	bc.p.c.	bc.p.c.	o.c.	bc	60	49	49	1					
Aberdeen	...	bc.p.c.	bc.p.c.	bc	bc	65	48	48	0.4					
Howden	...	o.c.	bc.p.c.	bc	bc	65	47	43	6					
Cranwell (Lincs)	...	bc.p.c.	bc.p.c.	bc	bc	65	47	43	3					
Felixstowe	...	bc.p.c.	bc.p.c.	bc	bc	65	51	49	4					
Shoeburyness	...	bc.p.c.	bc.p.c.	bc	bc	65	50	49	0.1					
Benson	...	bc.p.c.	bc.p.c.	bc	bc	63	49	49	7					
S. Farnborough	...	bc.p.c.	bc.p.c.	bc	bc	63	49	49	9					
London (Kew Obs.)	...	bc.p.c.	bc.p.c.	bc	bc	66	50	48	0.2					
Croydon	...	bc.p.c.	bc.p.c.	bc	bc	63	49	49	0.4					

LONDON. OBSERVATIONS.										SOUTH KENSINGTON (Meteorological Office).				TABLE SHOWING THE GREENWICH TIME SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.				
Morning.		Weather.	Night.	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	
24 HOURS ENDED 24th July 1920.									YESTERDAY.		TO-DAY.		24th + 25th July 1920.					
		Afternoon.							10 h. G.M.T.	9 h. G.M.T.								
Greenwich (Royal Observatory)	0	0.00.	04.00	67	49	51	7	1.1	75	78								
City (Banhill Row)	*	*	*	*	*	*	*	0.1	*	*								
Westminster (St. James's Park)	*	*	04.00	65	51	48	7	0.1	77	72								
.. (Admiralty Arch)	093.4	09.09	09.00	66	51	*	7	0.3	77	75								
Camden Sq. (British Rainfall)	0.	09.00	*	66	50	50	9	*	74	76								
Kensington Palace	0	0.00	*	66	50	49	9	*	79 (18h)	76								
Hampstead Observatory	*	*	*	62	48	*	11	0.1	*	81								
												Total 685..... Joules.						
												Milliwatts.						
												Average Rate. 12.0						
												Maximum Rate. 57						

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 23rd 21^h 30^m.

to 24th 2^h 30^m.

Stars.

Duration of Exposure.

Duration of Record.

h. m.

h. m.

%

Polaris

8 Ursae

Minoris

0. 0

0. 21

7

0. 0

0. 16

5

NOTES ON THE WEATHER OF YESTERDAY.

Rain was very general, and in many places the amount was large or considerable. At Benson the fall was 23 mm, Lympne 17 mm, in the N.W. of England about 13 mm, and at Great Yarmouth 10 mm. Very little bright sunshine was recorded except at Malin Head and in Scotland; at several English stations there was none. The day temperature was low for the time of the year and the night considerably cooler than of late.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

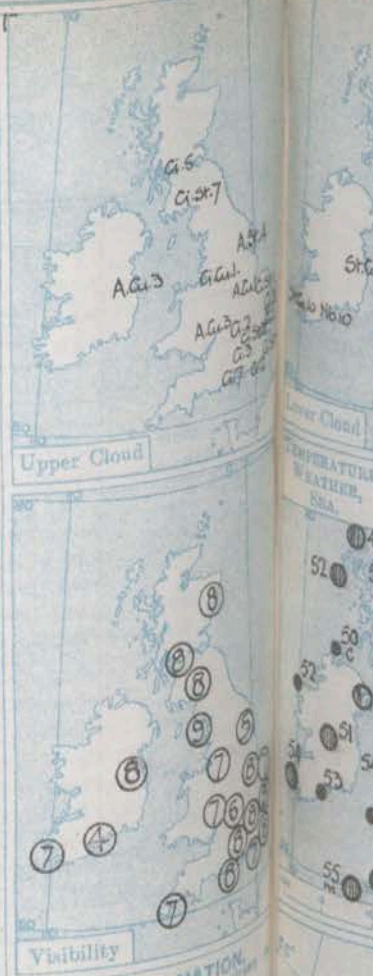
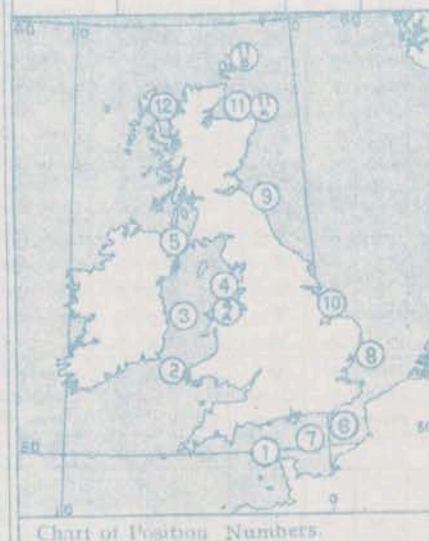
No. B2430 .. Sunday .. 25th July .. 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 19H.																													
STATIONS.	Barom. at M.S.L. mb.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather	Temp. °F.	Humidity. %	Visibility. 0-3.	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. mb.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather	Temp. °F.	Humidity. %	Visibility. 0-3.	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 24 th															19H. G.M.T. OF 24 th														
Renfrew ...	1007.4	+2	W	4	C	58	65	8	3,000	Scn	7	a.cu	1	4	1008.8	+2	SW	4	bc	57	75	8	2,000	Scn	5	a.cu	1	4	
Esksdalemuir ...	1007.7	+4	NW	4	O	55	65	8	4,200	Scn	3	-	-	-	1009.2	+1	WSW	4	O	54	65	8	3,000	Scn	9	-	-	-	
Valencia (Cahire'n)	1007.8	+1	WSW	3	bc	53	75	8	2,000	cu	4	a.cu	1	4	1015.8	0	N	3	bc	58	75	8	3,000	cu	4	cu	1	3	
Baldonnel ...	1012.2	+1	W	3	C	62	65	7	3,000	cu	5	a.cu	2	4	1013.1	+2	WSW	4	Ct. 13	58	75	8	4,200	Scn	7	a.cu	1	4	
Didsbury ...	1010.6	+2	WNW	5	C. 3. 9.	53	65	7	2,000	cu	7	-	-	-	1012.3	+3	WNW	4	C. 9.	60	55	8	3,000	cu	6	a.cu	1	4	
Ross on Wye ...	1011.3	+4	WNW	5	bc. 9. 4.	65	55	9	4,200	cu	5	-	-	-	1015.1	+3	NW	3	bc. 9. 4.	63	55	9	5,700	Fr. 2	-	-	-	-	
Falmouth ...	1015.7	+3	NW	3	bc	63	65	8	-	cu. 18	4	-	-	-	1017.8	+4	WNW	3	bc.	59	65	9	-	cu	2	-	-	-	
Calshot (Hants) ...	1011.4	+6	N	4	C	64	55	8	3,000	cu	7	-	-	-	1014.6	+4	WNW	3	bc.	62	85	8	3,000	cu	1	-	-	-	
Lymington (Folkestone)	1008.6	+5	NW	5	C. 1. 4.	61	55	6	3,000	Scn	7	-	-	-	1013.1	+6	WNW	4	bc.	60	55	8	3,000	cu	3	-	-	-	
Aberdeen ...	1004.7	+3	WNW	3	bc	56	45	8	-	cu. 18	5	-	-	-	1006.8	+2	WNW	2	C	66	63	8	-	Scn	6	a.cu	2	2	
Howden ...	1007.2	+4	N	4	C. 9.	59	75	8	3,000	Scn	6	cu	1	4	1010.8	+4	WNW	5	C. 9.	59	75	8	5,700	Scn	5	asc	2	4	
Cranwell (Lincs) ...	1008.2	+7	NW	4	C	59	75	7	3,000	Scn	8	-	-	-	1012.0	+4	WNW	4	bc	60	45	8	5,700	Scn	2	-	-	-	
Felixstowe ...	1007.8	+5	W	4	O	62	55	8	4,200	Scn	8	-	-	-	1012.3	+5	-	0	bc	60	75	8	5,700	Scn	5	asc	2	4	
Shoeburyness ...	1008.7	+6	NW	4	bc	61	85	7	3,000	Scn	3	a.cu	2	4	1013.2	+3	NW	1	bc.	62	55	8	-	-	-	-	-	-	
Benson ...	1010.3	+4	NW	4	bc	60	56	7	-	cu	3	-	-	-	1013.7	+4	NW	2	bc	63	45	7	-	-	-	-	-	-	
S. Farnborough ...	1010.5	+4	WNW	4	C	61	65	8	2,000	Scn	7	-	-	-	1013.3	+4	WNW	2	bc.	64	55	8	2,000	Scn	6	-	-	-	
London (Kew Obey.)	1010.2	+5	WNW	4	C. 9.	61	55	8	4,200	cu	5	a.cu	2	4	1013.6	+4	NW	3	bc. 9. 4.	64	45	3	4,200	cu	2	-	-	-	
Croydon ...	1010.5	+7	WNW	5	C. 9.	62	65	8	3,000	cu	7	-	-	-	1014.1	+3	NW	3	bc.	61	55	8	4,200	cu	2	-	-	-	
1H. G.M.T. OF 25 th															7H. G.M.T. OF 25 th														
Renfrew ...	1011.3	0	W	2	bc	45	85	7	-	St	6	-	-	-	1010.3	0	WSW	2	0	52	85	8	2,000	cu	4	a.cu	5	4	
Esksdalemuir ...	1013.1	-2	W	2	bc	58	-	-	-	-	-	-	-	-	1010.6	0	SSW	2	0	50	45	8	-	Fr. 1	4	a.cu	7	4	
Valencia (Cahire'n)	1013.7	-1	SW	3	bc	50	92	6	1,250	Scn	9	-	-	-	1005.4	-6	ENE	5	0	54	85	7	3,000	Scn	10	-	-	-	
Baldonnel ...	1013.7	-1	SW	3	bc	50	92	6	1,250	Scn	9	-	-	-	1011.9	-1	S	2	0	52	85	8	4,200	Scn	6	a.cu	3	4	
Didsbury ...	1014.9	-1	W	2	bc	49	87	7	-	St	1	-	-	-	1013.1	-4	SSW	4	0	54	85	7	3,000	Scn	8	a.cu	1	4	
Ross on Wye ...	1014.9	-1	W	2	bc	49	87	7	-	St	1	-	-	-	1014.6	-1	WSW	3	0. m.	59	85	7	3,000	Fr. 1	6	a.cu	3	4	
Falmouth ...	1014.9	-1	W	2	bc	49	87	7	-	St	1	-	-	-	1015.2	-3	SW	2	0	54	94	7	2,000	Scn	2	cu	7	2	
Calshot (Hants) ...	1014.9	-1	W	2	bc	49	87	7	-	St	1	-	-	-	1016.5	-1	SW	2	0	56	85	8	3,000	Scn	3	a.cu	5	4	
Lymington (Folkestone)	1014.9	-1	W	2	bc	49	87	7	-	St	1	-	-	-	1016.4	0	WSW	2	0	53	85	8	3,000	Scn	3	a.cu	5	4	
Aberdeen ...	1012.9	0	SSW	1	C. 1	50	92	8	2,000	No	8	-	-	-	1009.2	+1	WNW	2	0	51	85	8	-	Scn	8	-	-	-	
Howden ...	1014.6	+1	WNW	3	bc	48	92	5	3,000	St	3	-	-	-	1012.9	0	SSW	1	0. 3. 9.	53	92	5	4,200	Scn	6	asc	4	4	
Cranwell (Lincs) ...	1014.6	+1	WNW	3	bc	48	92	5	3,000	St	3	-	-	-	1014.0	0	WSW	4	0	53	85	8	5,700	Scn	1	a.cu	1	4	
Felixstowe ...	1016.2	0	W	1	bc	56	65	5	4,200	cu	2	a	1	4	1016.2	0	W	1	bc.	56	65	5	4,200	cu	2	a	1	4	
Shoeburyness ...	1016.3	0	S	2	bc	53	80	6	-	-	-	-	-	-	1016.3	0	S	2	bc	53	80	6	-	-	-	-	-	-	
Benson ...	1016.1	0	WSW	4	bc	51	85	8	-	-	-	-	-	-	1016.1	0	WSW	4	bc	51	85	8	-	-	-	-	-	-	
S. Farnborough ...	1016.1	0	SSW	2	bc	54	86	7	-	-	-	-	-	-	1016.1	0	SSW	2	bc	54	86	7	-	-	-	-	-	-	
London (Kew Obey.)	1016.1	0	SSW	2	bc	54	86	7	-	-	-	-	-	-	1016.1	0	SSW	2	bc	54	86	7	-	-	-	-	-	-	
Croydon ...	1016.1	0	SSW	2	bc	54	86	7	-	-	-	-	-	-	1016.1	0	SSW	2	bc	54	86	7	-	-	-	-	-	-	
STATIONS CONTRIBUTING REPORTS AT 7H. AND 19H.																													
STATIONS.	Barom. at M.S.L. mb.	Temp. °F.	WIND. Direc.	Force 0-12.	Weather	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.								
						at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.									
19H. G.M.T. OF 24 th															7H. G.M.T. OF 25 th										24 HOURS ENDED 7H. 25 th				
Lerwick ...	1003.7	50	W	3	O. m.	1006.2	+1	60	-1	W	2	W	bc. m	2	1	61	45	O. m. p.	O. m. p.	bc. m	2								
Stornoway ...	1006.9	53	NW	3	bc.	1008.2	0	49	+2	WSW	1	-	bc	0	Trace	57	42	bc.	bc.	bc. c	12.3								
Castletown (Barracks)	1007.2	54	WNW	3	C.	1009.5	+1	52	+1	-	0	-	0	1	0.3	56	40	O. c. O.	O. t. c.	O. b. O	7.6								
Malin Head ...	1008.9	55	W	4	bc	1009.7	0	50	-3	W	2	W	cp	2	5	57	48	bc. 9. p.	bc. p.	bc. p	7.7								
Blacksod Point ...	1011.4	57	W	2	bc	1008.8	-3	52	-6	-	0	-	om. p	1	1	60	46	bc	bc. p.	bc. m. p.	-								
Roche's Point ...	1015.5	59	W	4	O	1009.4	-6	50	+2	SE	4	-	p	4	8	62	51	bc. bc. c	O. p. c. O	O. o. m. p.	-								
Birr Castle ...	1013.5	58	W	2	C	1010.5	-	51	+2	-	0	-	0	-	0.2	64	48	bc	bc	bc. O	10.5								
Donaghadee ...	1010.8	55	WNW	2	C. 1. 4.	1011.3	0	51	0	W	1	-	bc	1	1	61	43	bc. p.	bc. p	bc. m	-								
Liverpool (Bridson)	1012.3	59	WSW	3	bc.	1012.3	-1	54	+2	SW	2	W	0	3	-	60	51	p. bc.	bc.	C. O.	12.1								
Holyhead ...	1012.7	58	SW	5	C. 9.	1012.2	-1	54	+1	WSW	4	W	0	2	Trace	62	52	C. 9. b.	bc. bc.	C. p. O	13.0								
Pembroke (St. Ann's Head)	1016.0	57	WSW	3	b	1013.9	-2	53	0	SSW	3	-	ogr	3															

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 25.7.1920.

Temperature reported from Coastal and Cross Channel Steamers.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
1. S.E. England	Variable cloud, local light mist & dew.	V.Good.	Smooth.	5	24 th	07.25	53	54
2. E. England	Fine or fair, local mist	Good.	"	3	24 th	09.12	57	57
3. E. Midlands	Fine or fair.	"	-	6	24 th	14.45	60	62
4. W. Midlands	Cloudy or overcast, local mist.	"	-	2	25 th	00.50	58	55
5. S.W. England	Fair to overcast.	"	Mod.	7	25 th	02.25	59	58
6. South Wales	Overcast, local rain & mist.	Fair	Slight	3	25 th	09.15	54	56
7. North Wales	Cloudy or overcast.	Good.	"					
8. N.W. England	Cloudy or overcast.	V.Good.	"					
9. N. Midlands	Cloudy or overcast.	Fair.	-					
10. N.E. England	Cloudy or overcast, local mist & squalls.	"	Slight					
11. E. Scotland	Fair or cloudy.	Good.	Smooth					
12. S.W. Scotland	Cloudy or overcast.	V.Good.	"					
13. Isle of Man	Fair.	"	Slight					
14. N.&N.W. Scotland	Fair to overcast.	Good.	Smooth					
15. Hebrides	Cloudy or overcast.	"	"					
16. Orkneys and Shetlands	Fair, mist at Shetlands.	Fair.	"					
17. N.W. Ireland	Cloudy or dull, local rain and mist.	Var.	"					
18. N.E. Ireland	Fair to cloudy, local showers.	Good.	"					
19. S.E. Ireland	Dull, local rain.	Var.	Mod.					
20. S.W. Ireland	Dull, local rain.	Indiff.	"					



GENERAL INFERENCE from observations received up to 9h.G.M.T.

A new Atlantic depression is already causing rain in Ireland and South Wales and this will spread to all districts during the next 24 hours. The wind will freshen from South over the Southern half of the Kingdom veering to South-West later, but will be light to moderate from South-East to-day in the North.

EXPLANATION.
 BAROMETER.—Isobars are shown at intervals of two millibars.
 WIND.—Direction is shown by the flag with the wind.
 0-12. Is indicated by the number of feathers. Mean velocity in miles per hour by figure in Roman numerals.
 TEMPERATURE.—Is shown by the thermometer symbol.
 WEATHER SYMBOLS.—
 ☉ clear sky.
 ☁ sky & clouded.
 ☁ overcast sky.
 * snow. * hail. ☄ thunder.
 SEA DISTURBANCE.—
 Rough—
 Further Outlets.

Districts. Forecasts for the 24 hours commencing 15h.G.M.T. Sunday, 25th July, 1920.

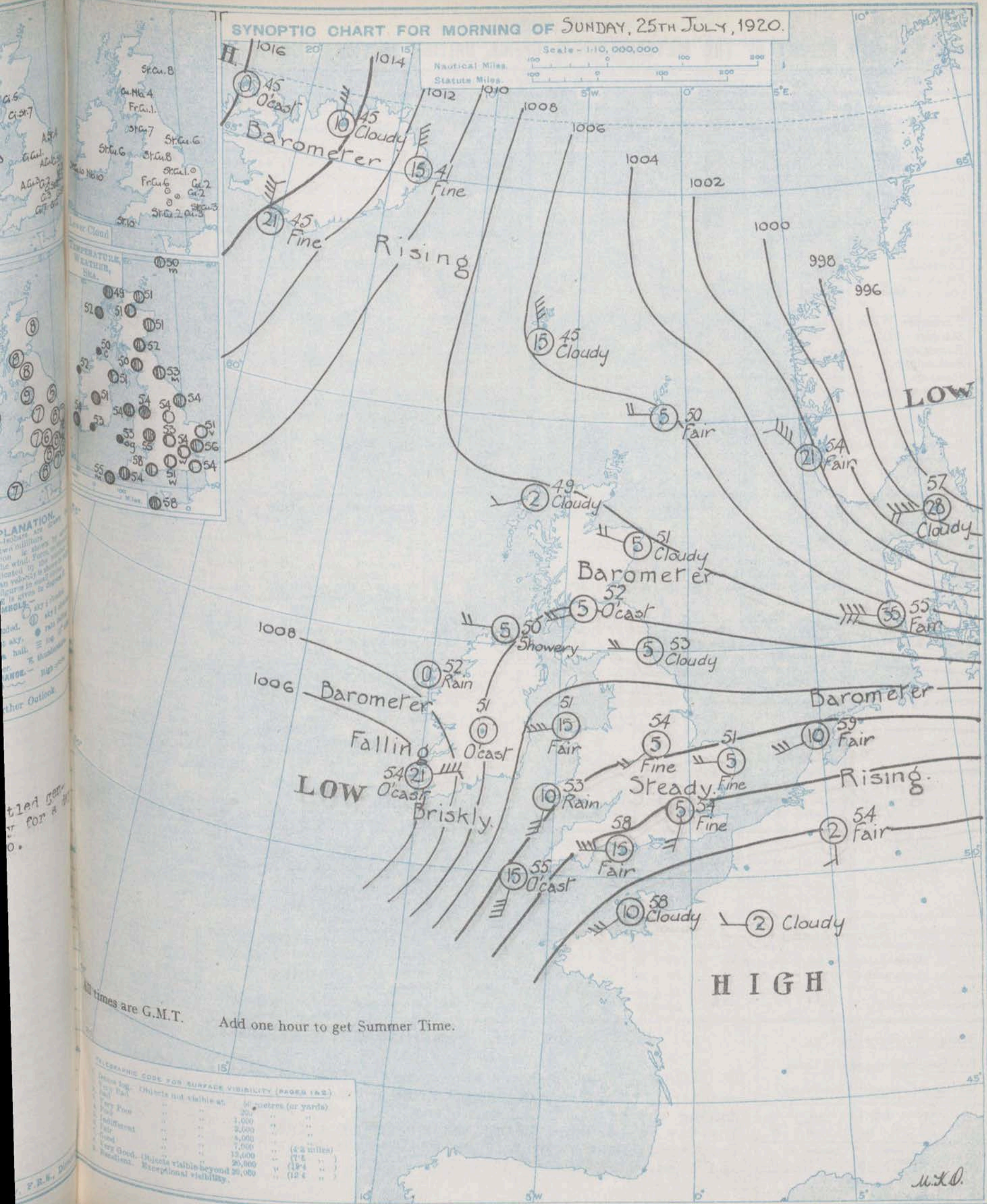
1. S.E. England	Moderate South-West wind, backing to South and freshening; fine at first, some rain later; visibility good; moderate temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Freshening South to South-West wind; much low cloud and rain; visibility fair; moderate temperature.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Same as 1 - 4
10. N.E. England	
11. E. Scotland	Light to moderate South-East wind, veering to South-West later; much low cloud and rain; visibility good at first but deteriorating; moderate temperature.
12. S.W. Scotland	
13. Isle of Man	
14. N.&N.W. Scotland	
15. Hebrides	Fresh to strong South-West wind; much low cloud, rain at times; visibility fair; moderate temperature.
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	Fresh to strong South-West wind; much low cloud, rain at times; visibility fair; moderate temperature.
20. S.W. Ireland	

Unsettled generally for a day or two.

SYNOPTIC CHART FOR MORNING OF SUNDAY, 25TH JULY, 1920.

Scale - 1:10,000,000

Nautical Miles
Statute Miles



PLANATION.
Isobars are lines of equal pressure. They are drawn at intervals of 1 millibar (1/1000 of an atmosphere).
Wind direction is shown by the tail of the wind arrow. Wind force is shown by the number of barbs on the arrow.
Clouds are shown by the number of the cloud cover in tenths of the sky.
Rain is shown by a vertical line with a horizontal bar at the top.
Showers are shown by a vertical line with a horizontal bar at the top and a small circle at the bottom.
Fair is shown by a vertical line with a horizontal bar at the top and a small circle at the bottom.
Fine is shown by a vertical line with a horizontal bar at the top and a small circle at the bottom.
Steady is shown by a vertical line with a horizontal bar at the top and a small circle at the bottom.
Falling is shown by a vertical line with a horizontal bar at the top and a small circle at the bottom.
Rising is shown by a vertical line with a horizontal bar at the top and a small circle at the bottom.
Barometer is shown by a vertical line with a horizontal bar at the top and a small circle at the bottom.

times are G.M.T.
Add one hour to get Summer Time.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGE 142)

Visual range	Objects not visible at	60 metres (or yards)
Very Poor	"	200
Poor	"	1,000
Indifferent	"	2,000
Fair	"	4,000
Good	"	7,000
Very Good	"	12,000
Excellent	"	20,000
Exceptional visibility	"	30,000

U.K.D.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 207.

Sunday
25th JulyWEATHER, TEMPERATURE, RAINFALL, AND SUNSHINE AT HEALTH RESORTS FOR 24th

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-24h 23rd-24th	Day, 9h-17h 24th-25th	to 17h. 24th	Sunrise to Sun- set. 23rd-24th			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-24h 25th-26th	Day, 9h-17h 26th-27th	to 17h. 26th	Sunrise to Sun- set. 27th
Scotland, N.W.	Oban									England, N.W.	Douglas (I.O.M.)	*	*	61	48	0.3	0.3	9.2	4.6
	Banff	c.c.	b.c.	58	47	3	-	8.3	7.9		Blackpool	c.b.c.		61	52	-	-	9.5	4.2
	Montrose	b.c.	b.c.	59	51	4	6	6.2	11.0		Southport	c.b.c.	b	60	51	1	-	10.7	3.7
	St. Andrews																		
England, N.E.	Harrogate	c.b.c.	b.b.c.	61	45	-	-	6.2	0.3	Midlands.	Buxton								
	Scarborough	b.c.	b	60	50	3	-	3.3	0.0		Leamington Spa... ..	b.c.	b.c.	62	50	0.4	-	9.7	2.2
	Skegness										Malvern	b.c.	b.c.	63	49	10	-	10.2	2.2
England, E.	Lowestoft										Bath	c.c.	b.c.	64	50	18	-	8.9	0.5
	Felixstowe	a.g.	b.c.	63	51	3	-	6.8	0.1	Wales.	Rhyl								
	Southend-on-Sea...	a.g.	b.c.	66	48	5	-	7.4	0.1		Colwyn Bay							12.2	1.8
	Tunbridge Wells	c.b.c.	b.c.	66	48	6	-	7.8	0.0		Llandudno	*	*	61	49	3	-	11.4	0.0
	Margate	c.c.	b.c.	64	51	7	-	5.9	0.3		Aberystwyth	c.c.	b.c.	59	52	3	-	12.3	0.0
	Ramsgate	*	*	63	49	7	-	6.0	0.4		Tenby	b.c.	b	62	48	5	-		
	Folkestone	a.g.	c.c.	66	50	13	-	7.0	0.1		Swansea							10.7	0.3
	Hastings	a.g.	b.c.	66	49	9	-	7.8	0.0	England, S.W.	Weymouth	a.g.	b.c.	67	50	2	-		
	Eastbourne	a.g.	b.c.	65	49	7	-	8.1	0.0		Teignmouth							11.7	1.2
	Brighton										Torquay	b.c.	b.c.	65	51	3	-	11.8	0.2
	Worthing	b.c.	b.c.	68	49	12	-	9.4	0.1		Paignton	b.c.	b.c.	66	50	3	-	11.6	2.1
	Littlehampton	b.c.	b.c.	66	53	11	-	9.0	0.0		Penzance	b.c.	b.c.	63	52	4	-		
	Portsmouth (S. Sea)	*	*	65	50	7	-	8.5	1.6		Newquay							11.6	0.5
	Bournemouth	*	*	65	49	7	-	10.0	0.2		Bude	b	b	60	51	9	-	11.6	0.0
	Ventnor (I. of W.)	*	*	64	49	10	-	10.5	0.0		Ilfracombe	b.c.	b	59	53	10	-		
											Weston-s-Mare								

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	7h-13h	13h-18h	Max. °F.	Min. °F.	Night. 17h-24h	Day. 9h-17h	to 17h.	Sunrise to Sunset
Renfrew ...	b.c.	c.c.	60	43	31	-	10.9	
Esksdalemuir ...	b.c.	c.c.	58	39	32	-	7.3	
Valencia (Cabrera) ...	b.c.	c.c.	54	36	50	-	10.7	
Baldonnel ...	b.c.	c.c.	64	46	-	-	7.3	
Didsbury ...	c.c.	c.c.	61	50	43	-	7.3	
Ross on Wye ...	b.c.	b.c.	66	43	31	-	12.0	
Falmouth ...	b.c.	b.c.	63	48	45	-	13.2	
Calshot (Hants) ...	b.c.	b.c.	66	44	40	-	12.5	
Lympne (Folkestone) ...	b.c.	b.c.	63	46	35	-	9.1	
Aberdeen ...	b.c.	b.c.	68	44	40	0.2	11.0	
Howden ...	b.c.	b.c.	64	46	41	-	6.7	
Cranwell (Lines) ...	c.c.	b.c.	63	46	-	-	8.1	
Felixstowe ...	c.c.	b.c.	65	44	36	1	8.0	
Shoeburyness ...	b.c.	b.c.	65	40	35	-	-	
Benson ...	b.c.	b.c.	65	40	35	-	-	
S. Farnborough ...	c.c.	b.c.	65	40	35	-	10.3	
London (Kew Obs.) ...	c.c.	b.c.	65	40	35	-	9.8	
Croydon ...	c.c.	b.c.	65	45	-	-	-	

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.
h	hail.
m	mist.
p	passing showers.
q	squalls.
rs	sleet, i.e., rain and snow together.
s	snow.
t	thunder.
u	ugly, threatening sky.
v	unusual visibility.
w	dew.
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.	Force	Velocity at about 30 feet above ground
0	Less than 1	Less than 0.5
1	1-3	0.5-1.5
2	4-7	1.5-3.5
3	8-12	3.5-7.5
4	13-18	7.5-10.5
5	19-24	10.5-15.5
6	25-31	15.5-20.5
7	32-38	20.5-25.5
8	39-46	25.5-30.5
9	47-54	30.5-35.5
10	55-63	35.5-40.5
11	64-75	40.5-45.5
12	Above 75	45.5 or above

SYMBOLS.

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

LONDON OBSERVATIONS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Morning.	Afternoon.	Night.	Max. °F.	Min. °F.	Min. on Grass. °F.	Sunrise to Sunset. Hours.	Humidity %.
Greenwich (Royal Observatory)	0	c.c.	c	61	44	31	9.9	48
City (Bunhill Row)								
Westminster (St. James's Park)	b.c.	b.c.	c.c.	61	41	40		61
(Admiralty Arch)	c.c.	c.c.	c.c.	65	50		9.3	54
Causton Sq. (British Rainfall)	c.c.	c.c.	c.c.	69	46	43		59
Kensington Palace	c.c.	b.c.	c.c.	66	41	38		57
Hampstead Observatory				65	45		9.1	59

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	HUMIDITY %.	
	16 h.	24 h.
	G.M.T.	G.M.T.
Total	48	54
Average Rate.	48	54
Maximum Rate.	48	54

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

25 th 26 th July.		Sun.
Stations.	Sunrise	Noon.
	G.M.T.	G.M.T.
Yarmouth ...	4.3	11.59
	4.4	11.59
Greenwich	4.14	12.6
	4.16	12.6
Wick ...	3.43	12.18
	3.51	12.18
Valencia ...	4.34	12.47
	4.55	12.47

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

Exposure from h m
to h m.

Stars.	Duration of Exposure.	Duration of Record.
Polaris	h m.	h m.
δ Ursae		
Minoris		

NOTES ON THE WEATHER OF YESTERDAY.

Cool weather was experienced, the temperature nowhere reaching 70°, while falling to 40° at Benson and 38° at Wick during the night. Sunshine was, however, very abundant, the low day temperature being the result of a fresh to strong West wind. Most rain fell in Ireland, 8 mm at Roches Point and 5 mm. at Malin Head.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. B. 21,431 MONDAY, 26th JULY, 1920.

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

STATIONS.	Barom. at M.S.L. mb.	Temp. °F.	Wind. Direc. Force 0-12.	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.	Barom. at M.S.L. mb.	Temp. °F.	Wind. Direc. Force 0-12.	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.																																																																																																																																																																																																																																																						
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SUMMARY OF CONDITIONS AT 7 h. G.M.T. 26.7.20.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers.				
				Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
1. S.E. England	Fair to dull, local squalls rain and hail.	Good	rough					
2. E. England	Fair to dull; local mist and rain.	Fair	mod					
3. E. Midlands	Dull, mist locally.	"	-					
4. W. Midlands	Dull, some rain.	Indiff	-					
5. S.W. England	Fair to dull, local squalls and rain.	Fair	rough					
6. South Wales	Cloudy to dull, local rain and mist.	Fair	"					
7. North Wales	Dull, gloomy, local mist.	"	R. rough.					
8. N.W. England	Dull, local rain.	"	slight					
9. N. Midlands	Dull, local rain.	Indiff	-					
10. N.E. England	Dull, local rain & mist.	"	slight					
11. E. Scotland	Dull.	Good	smooth					
12. S.W. Scotland	Overcast; local mist & rain	Fair	"					
13. Isle of Man	Fair to cloudy; squally.	Good	mod.					
14. N. & N.W. Scotland	Cloudy or dull.	"	smooth					
15. Hebrides	Cloudy or dull.	"	"					
16. Orkneys and Shetlands	Cloudy or dull.	Fair	"					
17. N.W. Ireland	Fair, local showers.	Good	slight					
18. N.E. Ireland	Fair, local squalls and showers.	"	"					
19. S.E. Ireland	Fine to cloudy.	"	"					
20. S.W. Ireland	Fine to cloudy, local showers.	"	"					

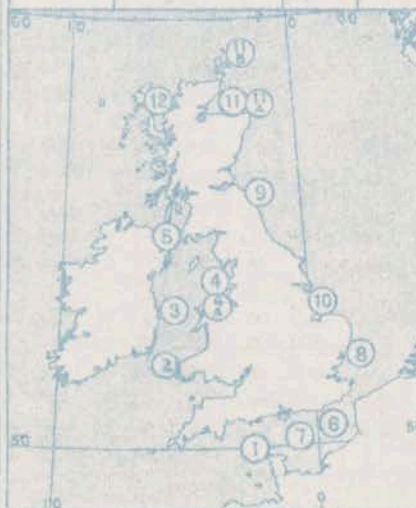


Chart of Position Numbers



GENERAL INFERENCE from observations received up to 9h G.M.T.

A depression over England will move away Eastward and be followed by very cool weather, squalls and showers and occasional fair periods. There are still no indications of fine settled conditions.

EXPLANATION.
BAROMETER.—Isobars are shown at intervals of two millibars.
WIND.—Direction is shown by the flag with the wind force, in degrees 0-15, is indicated by the number of feathers. Mean velocity is shown in feet per hour by figures in square feet.
TEMPERATURE.—Isobars are shown at intervals of two degrees.
WEATHER SYMBOLS.
 ☉ clear sky. ☁ sky & clouds. ☁ overcast sky. * snow. ▲ hail. T thunder. SEA DISTURBANCE. — Rough. — High seas.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Monday 26th July 1920.
1. S.E. England	Wind between W. and N.W., strong to a gale, then moderating; squally, showery, fairer intervals later. Visibility fair to good. Very cool.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind mainly N, moderate or fresh, strong locally; squally, showery, fairer intervals. Visibility fair to good. Very cool.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Wind Northerly, light or moderate. Mainly cloudy, some showers. Visibility fair. Very cool.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Wind N.W. or N, backing later, moderate or fresh. Variable sky, some showers. Visibility fair to good. Very cool.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Wind N.W. or N, backing later, moderate or fresh. Variable sky, some showers. Visibility fair to good. Very cool.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

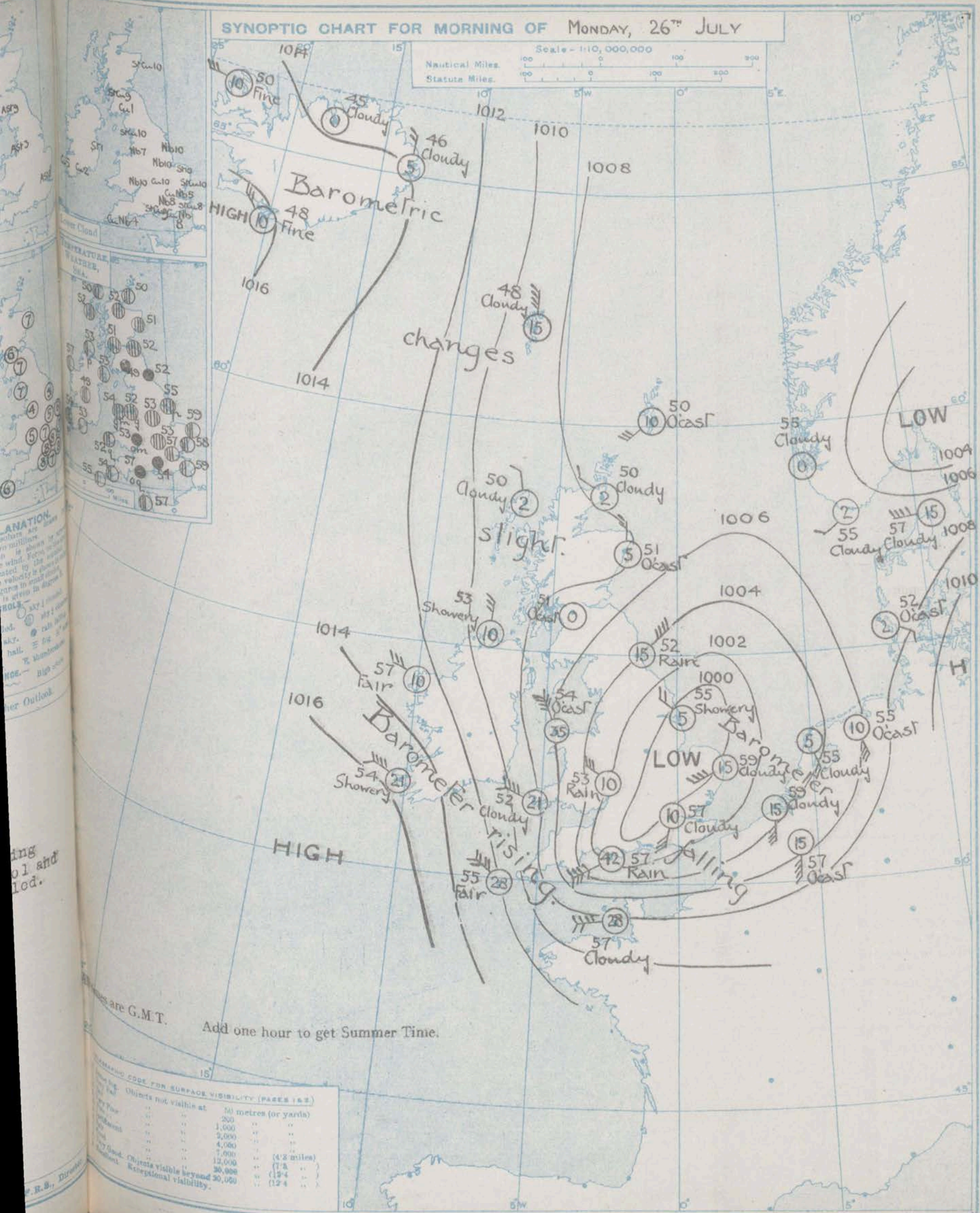
South Cone hoisted.

Continuing very cool and unsettled.

SYNOPTIC CHART FOR MORNING OF MONDAY, 26TH JULY

Scale - 1:10,000,000

Nautical Miles.
Statute Miles.



Add one hour to get Summer Time.

OBJECTS CODE FOR SURFACE VISIBILITY (PART 1 & 2)			
Object not visible at		50 metres (or yards)	
1	1	200	1
2	2	1,000	2
3	3	2,000	3
4	4	4,000	4
5	5	7,000	5
6	6	12,000	6
7	7	30,000	7
8	8	50,000	8
9	9		9
10	10		10
11	11		11
12	12		12
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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 208.

Monday
26th July.

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

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.	Oban								England, N.W.	Douglas (I.O.M.)									
	Banff	c	b.be	59	40	1	-	7.8	11.1		Blackpool	c.r	or	61	51	3	2	1.7	10.6
	Montrose										Southport	ob.be	b.or	61	54	1	4	2.3	13.0
	St. Andrews																		
England, E.	Harrogate	o.c	c.or	62	48	2	1	2.4	7.4	Midlands.	Buxton								
	Scarborough	bc	bc	65	50	-	-	3.8	5.0		Leamington Spa... ..	o.c.b	or	59	42	-	2	3.3	10.8
	Skegness										Malvern								
	Lowestoft										Bath	or	or	58	43	1	3	0.0	9.9
	Felixstowe	bc	o.b.u	65	48	-	-	9.0	8.1		Rhyl	bc	tr	60	51	0.3	7	3.3	?
	Southend-on-Sea... ..	bc	co	68	47	-	-	7.9	9.1	Wales.	Colwyn Bay			60	49	1	6	2.1	?
											Llandudno			59	53	1	8	1.6	14.2
											Aberystwyth								
	Tunbridge Wells	bc.c	b.be.o	63	51	-	-	6.2	10.0		Tenby								
	Margate	bc	c	66	51	-	-	10.1	8.8		Swansea								
	Ramsgate			64	45	-	-	10.8	7.7										
	Folkestone	b.be	bc.c	67	52	-	-	10.2	8.0		Weymouth	bc.c	or	65	48	-	7	2.5	13.6
	Hastings	br	b.be.op	64	49	-	1	7.8	9.8		Teignmouth								
	Eastbourne	bc	or	62	49	-	0.3	6.2	10.2		Torquay	or	or	58	49	0.4	13	0.3	13.2
	Brighton	op.or	c.o	63	48	-	0.3	5.6	?		Paignton								
	Worthing	bc	o	64	46	-	-	5.2	11.5		Penzance	or	or.c	61	51	5	19	0.2	13.5
	Littlehampton	bc	o.c	64	51	-	-	3.2	11.4		Newquay	or	or.o	61	49	1	12	0.0	14.8
	Portsmouth (S. Sea)			64	47	-	1	4.5	10.9		Bude	bc.or	r	60	54	1	7	0.5	14.2
	Bournemouth			62	44	0.3	1	2.5	12.2		Hilfracombe	or	or	59	52	3	13	0.0	11.5
	Ventnor (I. of W.)			64	49	-	1	3.8	12.0		Weston-s-Mare	r.or	r	57	48	1	12		

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.		Sun. Hours.
	7h-12h	12h-1h	1h-2h	2h-7h				Day. 7h-12h	Night 12h-7h	
Renfrew ...	cv	o	o. o	op	60	48	45	1	0.1	3.1
Eskdalemuir... ..	s. opo	op.	o. c	o. c	58	47	46	0.2	1	4.8
Valencia (Canary) ...	opd	oprh	o. c	o. c	59	51	48	6	2	2.2
Baldonnel ...	iferr	2ferr	rr	rr	56	44	40	20	10	0.5
Didsbury ...	ov	orr	o. c	o. c	63	51	48	3	21	4
Ross on Wye... ..	gr. op	rr	o. c	o. c	58	51	49	5	9	10
Falmouth ...	rr	R	o. c	o. c	59	50	49	17	Trace	0.5
Calshot (Hants)... ..	c. opo	orr	o. c	o. c	63	53	51	2	5	3.3
Lymington (Hants) ...	c. ov	c. ov	o. c	o. c	62	52	51	0.1	4	10.4
Aberdeen ...	s. f	bc	o. c	o. c	59	45	39	1	0.2	4.4
Howden ...	c. o	o. c	o. c	o. c	62	51	50	1	11	1.5
Cranwell (Lincs) ...	b. be. o	orr	o. c	o. c	60	50	48	1	13	7.0
Felixstowe ...			o. c	o. c	66	56	54	4	4	*
Shoeburyness ...	b. c. w	op	o. c	o. c	66	54	51	0.1	2	8.4
Benson ...	b. be	rr	o	o	61	52	51	3	4	*
S. Farnborough ...	z. r	o	o. c	o. c	66	52	51	1	5	4.8
London (Kew Obs.) ...	b. c. o	rr	o. c	o. c	62	54	50	1.5	3	3.3
Croydon ...	b. be. o	c. ov. op	o	o. c	64	53	51	0.1	6	*

BEAUFORT NOTATION.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three quarters covered).
d drizzle, or fine rain.
e wet air without rain falling.
f fog.
g gloom.
h hail.
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 hour frost.
y dry air, humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.
Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
r.r. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Meters per second.
0	Less than 1	0.3-1.0
1	1-3	1.0-1.8
2	4-7	1.8-3.4
3	8-12	3.4-5.0
4	13-18	5.0-7.0
5	19-24	7.0-10.0
6	25-31	10.0-14.0
7	32-38	14.0-17.0
8	39-46	17.0-21.0
9	47-54	21.0-25.0
10	55-63	25.0-30.0
11	64-75	30.0-37.0
12	Above 75	37.0 and above

SYMBOLS.

☉ Solar halo.
☽ Lunar halo.
☼ Solar corona.
☾ Lunar corona.
☁ Glazed frost.
☂ Glazed roads.

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. G.M.T.	9 h. G.M.T.
24 HOURS ENDED 25 th JULY 1920.							YESTERDAY.	TODAY.		
Greenwich (Royal Observatory)	c. o	c. r	c. o. r	69	53	53	3	5.8	72	77
City (Bunhill Row)	"	"	"	"	"	"	"	4.5	"	"
Westminster (St. James's Park)	o. d. r	o. e	o. p. o. a	63	55	48	2	5.0	78	71
" (Admiralty Arch)	b. c. j. c. j.	o. p	o. v. o. p. b. c.	64	55	"	2	4.8	74	75
Camden Sq. (British Rainfall)	"	"	"	64	53	51	4	"	"	82
Kensington Palace	o. b. o	o	"	64	54	54	4	"	81 (8h)	79
Hampstead Observatory	"	"	"	"	"	"	"	3.8	"	"

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Total	Average Rate.	Maximum Rate.
	11.82 Joules.	20.9	88

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

Stations.	26 th & 27 th July, 1920.	
	Sunrise.	Noon.
Greenwich	4.4	12.5
Yarmouth	4.5	12.6
Greenwich	4.6	12.6
Wick	3.5	12.7
Valencia	4.5	12.7

Photographic Record of Pole Star (Polaris) and of 8 Ursae Minoris at Greenwich Observatory.

Stars.	Duration of Exposure.		Duration of Record.	
	h.	m.	h.	m.
Polaris	5	0	NIL	NIL
8 Ursae Minoris	5	0	NIL	NIL

NOTES ON THE WEATHER OF YESTERDAY.

Temperature remained below 60° over a considerable portion of the Kingdom, and below 65° at nearly all stations. Rain fell very generally, and the amount was large over a wide area; at Holyhead, 35 mm at Baldonnel, 31 mm at Liverpool, 25 mm at Birr Castle, and between 10 and 20 mm at many other stations. Bright sunshine was very deficient except in the extreme S.E. of England and some parts of Scotland.

* Information for these columns not usually received.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. B. 21,432 TUESDAY... 27th July... 1920.

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

STATIONS.	OBSERVATIONS AND STATIONS CONTINUED												OBSERVATIONS AND STATIONS CONTINUED																
	Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather.	Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather.	Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	
			Dirac.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Dirac.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.		
13H. G.M.T. OF 26 th																													
Renfrew ...	1008.7	+2	-	0	T	50	92	6	1250	Nb	10	-	-	X	1010.7	+2	-	0	OT	49	95	6	2000	Nb	10	-	-	X	
Eskdalemuir ...	1007.9	+2	MHE	3	0	52	75	8	-	STC	9	-	-	X	1009.8	+2	-	0	OT	50	85	7	-	Nb	4	AS	6	-	X
Valencia (Cable's)	1017.7	+2	WNW	4	bc	58	75	8	2000	Cu	5	-	-	4	1018.3	+4	WNW	5	bc	57	65	8	2000	Cu	4	-	-	4	
Baldonnel ...	1010.8	+1	W	3	bc	59	75	7	3000	STC	4	ac	2	X	1013.1	+3	WNW	3	0	57	85	7	3000	ST	6	AS	3	-	0
Dalsbury ...	1007.1	+4	HW	3	0	54	75	4	1250	Nb	4	AS	6	X	1009.7	+3	SSE	1	OTLR	52	85	3	2000	CuNb	10	-	-	X	
Ross on Wye ...	1008.6	+6	HW	4	0	56	75	8	3000	STC	9	AS	1	X	1010.9	+3	WNW	4	C	56	75	9	3000	CuNb	2	ac	5	-	X
Falmouth ...	1014.9	+7	HW	5	C	61	65	8	-	CuNb	7	-	-	X	1015.5	0	WNW	5	bc	58	76	8	-	Cu	2	-	-	-	X
Calshot (Hants) ...	1008.1	+8	HW	5	0	60	75	8	1250	STC	9	AS	1	3	1012.1	+4	WNW	3	OT	55	92	7	1250	STC	10	-	-	-	3
Lymington (Folkestone)	1005.2	+5	W	4	OT	57	85	8	1250	Nb	9	-	-	X	1010.3	+5	WNW	5	OT	55	75	7	3000	Nb	10	-	-	-	X
Aberdeen ...	1009.1	0	MHE	3	0	55	55	8	-	STC	10	-	-	2	1009.1	+1	MHW	3	0	54	55	8	-	CuNb	6	AS	3	3	3
Howden ...	1004.5	+4	MHE	6	OT	56	75	9	3000	STC	10	-	-	X	1008.2	+3	WNW	4	OT	55	75	9	3000	STC	9	-	-	-	X
Cranwell (Leics) ...	1004.7	+4	HW	4	0	54	85	8	2000	Nb	10	-	-	X	1009.0	+7	HW	4	bc	55	75	6	7200	STC	2	AS	1	-	X
Felixstowe ...	1003.3	+3	W	6	0	58	85	8	1250	STC	10	-	-	X	1009.3	+6	WNW	4	C	56	75	8	1250	STC	2	-	-	-	3
Shoeburyness ...	1004.0	+3	W	6	OT	58	75	7	4200	STC	9	-	-	X	1009.4	+6	WNW	2	OT	56	75	8	3000	ST	6	AS	3	-	X
Benson ...	1005.7	+6	HW	4	0	58	75	6	-	Cu	10	-	-	X	1010.2	+2	W	2	bc	57	75	4	-	Cu	3	AS	3	-	X
S. Farnborough ...	1006.4	+6	WNW	3	OT	59	85	7	1250	Nb	7	ac	2	X	1010.3	+6	WNW	3	OT	58	76	7	2000	ST	7	AS	2	-	X
London (Kew Obs.) ...	1005.9	+8	HW	3	OT	60	65	8	1250	Nb	7	AS	1	X	1010.2	+6	WNW	2	OT	59	65	6	2000	ST	3	AS	2	-	X
Croydon ...	1006.2	+8	HW	4	OT	58	75	7	1250	STC	10	-	-	X	1010.7	+4	W	2	OT	56	85	6	3000	ST	5	-	-	-	X
1H. G.M.T. OF 27 th																													
Renfrew ...	1013.6	+3	N	2	bc	44	85	6	-	STC	4	-	-	X	1016.1	+2	-	0	bm	50	85	7	4200	STC	3	-	-	-	X
Eskdalemuir ...	1013.6	+3	N	2	bc	44	85	6	-	STC	4	-	-	X	1016.2	+4	-	0	0	48	75	7	-	STC	9	-	-	-	X
Valencia (Cable's)	1020.7	0	WNW	4	bc	53	-	-	-	-	-	-	-	5	1022.1	+2	WNW	2	OT	54	75	8	2000	Cu	8	AS	1	-	2
Baldonnel ...	1017.1	+2	-	0	b	42	97	7	3000	ST	1	-	-	X	1019.7	+4	WNW	3	0	46	92	7	3000	STC	9	-	-	-	X
Dalsbury ...	1017.1	+1	WNW	5	C	54	85	8	-	CuNb	7	-	-	X	1016.0	+4	WNW	2	OT	48	97	3	5700	STC	9	-	-	-	X
Ross on Wye ...	1017.1	+1	WNW	5	C	54	85	8	-	CuNb	7	-	-	X	1016.6	+6	WNW	2	OT	52	85	9	4200	STC	8	AS	1	-	X
Falmouth ...	1017.1	+1	WNW	5	C	54	85	8	-	CuNb	7	-	-	X	1018.9	+3	WNW	3	bc	51	85	8	-	CuNb	5	-	-	-	X
Calshot (Hants) ...	1003.8	0	WNW	1	C	50	92	8	2000	ST	7	-	-	1	1016.2	+4	N	3	Cif	53	92	6	3000	STC	4	AS	3	-	X
Lymington (Folkestone)	1013.4	+1	WNW	4	b	48	92	7	-	-	-	AS	2	X	1015.2	+4	MNE	2	Cif	52	85	5	-	-	-	AS	8	-	X
Aberdeen ...	1012.6	+3	-	0	bc	44	97	6	3000	ST	4	-	-	X	1014.1	+2	WNW	4	bc	50	85	7	-	CuNb	6	-	-	-	2
Howden ...	1012.6	+3	-	0	bc	44	97	6	3000	ST	4	-	-	X	1015.5	+4	WNW	3	0	50	85	7	5700	STC	4	AS	5	-	X
Cranwell (Leics) ...	1011.7	0	W	2	C	46	92	5	3000	ST	4	AS	3	X	1014.9	+3	WNW	2	bc	51	85	5	9000	STC	4	AS	1	-	X
Felixstowe ...	1011.7	0	W	2	C	46	92	5	3000	ST	4	AS	3	X	1015.5	+4	WNW	2	bc	51	85	5	9000	STC	4	AS	1	-	X
Shoeburyness ...	1011.7	0	W	2	C	46	92	5	3000	ST	4	AS	3	X	1015.6	+4	WNW	1	C	52	75	6	3000	STC	5	Fac	2	-	X
Benson ...	1011.7	0	W	2	C	46	92	5	3000	ST	4	AS	3	X	1015.6	+4	WNW	1	C	52	75	6	3000	STC	5	Fac	2	-	X
S. Farnborough ...	1011.7	0	W	2	C	46	92	5	3000	ST	4	AS	3	X	1015.9	+3	WNW	1	0	49	97	5	-	Cu	9	-	-	-	X
London (Kew Obs.) ...	1013.2	+2	-	0	-	-	-	-	-	-	-	-	-	X	1016.1	+4	WNW	2	OT	49	92	5	1250	Nb	10	-	-	-	X
Croydon ...	1013.6	+1	SEW	2	b.cif	48	92	5	1250	ST	3	-	-	X	1015.9	+4	WNW	1	OT	50	97	6	1250	Nb	7	AS	3	-	X
														X	1016.4	+3	WNW	2	OT	49	97	4	1250	ST	8	AS	2	-	X

STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	Barom. at M.S.L. mb.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.
			Dirac.	Force 0-12.		Temp.	Change in 24 hours.	Dirac.	Force 0-12.	Max. °F.	Min. °F.					Morning.	Afternoon.	Night.			
			at M.S.L. mb.	Change in 3 hours.		°F.	Change in 24 hours.	Dirac.	Force 0-12.	°F.	°F.										
12H. G.M.T. of 26 th						7H. G.M.T. of 27 th						24 HOURS ENDED 7H. 27 th						26 th			
Letwick	1008.0	55	WNW	3	bc	1010.4	+2	49	-1	NNW	3	NW	cm	2	1	55	46	emp.	C	C	*
Stornoway	1012.7	53	N	4	C	1016.8	+1	52	+2	NNW	3	-	b	2	1	56	46	cf.	C	adp. b.	4.0
Castlebay (Barra Is)	1013.6	55	NW	4	bc	1018.5	+2	51	-1	NW	3	NW	C	2	3	55	49	op. bc	C. bc	h. bc. c	8.5
Main Head	1011.8	54	N	4	bc	1019.0	+2	53	0	NW	3	NW	C	3	1	56	49	bc	Cp	Cp	8.1
Blackod Point	1015.0	56	NW	4	bc	1020.0	+1	54	-3	NNE	1	-	C	2	1	58	48	bc	bc	bc	*
Roche's Point	1016.7	57	NW	5	C	1021.5	+2	50	-3	N	2	N	b	1	0.4	54	48	S. bc. c	C. bc. c	ch. bc. b.	"
Birr Castle	1013.9	57	N	1	C	1020.9	-	51	+2	N	1	-	C	-	3	60	42	ch	ch.	ch. c	8.1
Donaghadee	1010.7	56	NNW	3	bc	1017.3	+4	52	-1	N	3	N	bc	3	-	59	46	bc	bc	bc.	*
Liverpool (Bidston)	1009.2	57	WNW	5	b	1016.2	+4	57	+5	-	0	N	bc	1	-	59	45	O. c	bc. b	bc	4.6
Holyhead	1011.2	56	WNW	4	C	1017.2	+4	53	-1	NNW	6	N	bc	5	0.2	57	51	og. bc	bc. c	ch. c.	7.5
Pembroke (St. Ann's Head)	1013.6	56	W	3	cpv.	1019.1	+4	54	+2	N	3	N	cpv	3	1	58	50	og. cv.	bc. pv	chv	8.7
Scilly (St. Mary's)	1016.7	58	NNW	5	bc	1019.9	+2	54	-1	N	4	N	C	5	2	61	52	bc	bc	C	12.7
Jersey (St. Aubin)	1018.6	59	W	6	b	1017.7	+1	57	0	WNW	4	NW	b	4	2	62	53	C. O. c	O. bc. b	C. cf. b.	6.3
Portland Bill	1012.2	60	NNW	5	bc	1016.3	+3	57	0	NW	4	-	bc	4	-	60	52	Cg	C. bc	bc	*
Dungeness	1009.5	58	WSW	5	0	1014.7	+3	52	-7	NNW	2	W	C	2	-	63	47	og. og	C. O	C. C. C.	1.0
Wick	1008.9	51	N	1	C	1012.8	+2	51	+1	NW	2	-	0	2	1	55	42	Cp	Cp.	C. cf. g.	2.4
Nairn	1010.2	51	NNE	1	pr. br.	1015.5	-	52	0	NNW	1	-	bc	1	3	58	46	bc	h. r.	Cg	*
Leith	1009.5	54	NNW	2	C	1015.2	+3	52	0	NNW	2	NW	bc	1	7	59	48	O. c. of	C. bc. c.	C. cf. bc	5
Lymington	1008.3	53	N	5	bc	1015.0	+3	50	-2	NNW	3	-	bc	3	1	55	47	bc. m.	bc. m.	bc. m.	*
Spurn Head	1008.2	54	NW	5	bc	1014.9	+3	53	-2	NW	5	-	bc	4	1	56	48	op.	op. c.	bc.	*
Falmouth (for station)	1009.0	55	NW	4	C	1014.0	+3	50	-9	W	2	-	bm	1	1	60	44	bc. mn.	Cp.	bc	2.1
Clacton-on-Sea	1009.0	55	NW	3	0	1015.0	+4	50	-8	NNW	2	NW	bc	1	0.2	62	47	C. og	og	ch. bc. m.	3.5
Nottingham	1010.0	51	N	3	OT	1015.9	-	46	-7	W	1	W	cm	8	4	58	41	OT	acp. g	ch. c.	0.2

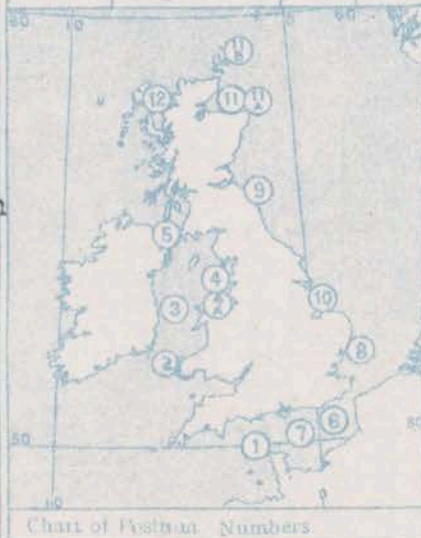
* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 27.7.1920.

Temperature reported from Coastal and Cross Channel Steamers.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number	Date	Time G.M.T.	Sea °F	Air °F
1. S.E. England	Fair to overcast, local mist and rain.	Indiff.	smooth	6	25 th	1520	60	62
2. E. England	Fine or fair, local mist.	"	"	12	26 th	0345	52	52
3. E. Midlands	Cloudy or dull, local mist	"	-	5	26 th	0718	53	53
4. W. Midlands	Cloudy or overcast.	Fair	-	6	26 th	1420	59	58
5. S.W. England	Fair to cloudy.	v. Good	mod.	3	26 th	0915	54	55
6. South Wales	Cloudy to overcast, local showers.	"	"	2	27 th	0115	54	53
7. North Wales	Fair, local squalls.	Good	R. rough					
8. N.W. England	Fair to dull, local mist.	Poor	mod.					
9. N. Midlands	Cloudy or overcast, local mist.	Indiff.	-					
10. N.E. England	Fair to overcast.	Good	slight					
11. E. Scotland	Fair.	"	smooth					
12. S.W. Scotland	variable sky.	"	"					
13. Isle of Man	Fair.	-	R. rough					
14. N. & N.W. Scotland	Variable sky.	Good	smooth					
15. Hebrides	Fine to cloudy.	"	"					
16. Orkneys and Shetlands	Cloudy to dull; mist at Shetlands.	-	"					
17. N.W. Ireland	Cloudy.	Good	"					
18. N.E. Ireland	Fair or cloudy.	"	slight					
19. S.E. Ireland	Cloudy to overcast.	"	"					
20. S.W. Ireland	Variable sky.	"	smooth					



GENERAL INFERENCE from observations received up to 9h. G.M.T.

There are no definite indications at present of the approach of another depression from the Atlantic and some improvement in the weather is probable generally. Local irregularities in barometric pressure may, however, be attended by further showers in places, and the temperature will continue low. Fairer weather may be expected beyond the 24 hours, but a depression approaching Iceland may then begin to affect the weather in this country.

EXPLANATION
 BAROMETER. - shows air pressure in millibars.
 WIND. - direction is shown by the arrow, and the force by the number of feathers. Mean velocity is shown by the number of feathers.
 TEMPERATURE. - shown by the number in the circle.
 WEATHER SYMBOLS. -
 clear sky. -
 sky & clouds. -
 overcast sky. -
 snow. -
 T. shower. -
 SEA DISTURBANCE. -
 Rough. -
 High. -

Further Outlook

Rather uncertain but probably fairer and drier for a time, then unsettled again.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T.
1. S.E. England	
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	wind mainly between N. and N.W., light or moderate.
7. North Wales	Mainly fair, but dull at times, with showers locally.
8. N.W. England	visibility fair or good. Cold for time or year.
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	Wind mainly N, light or moderate, then backing. Fair generally, some showers on North and west coasts.
19. S.E. Ireland	visibility fair or good. Cold for time of year.
20. S.W. Ireland	

Scale - 1:10,000,000

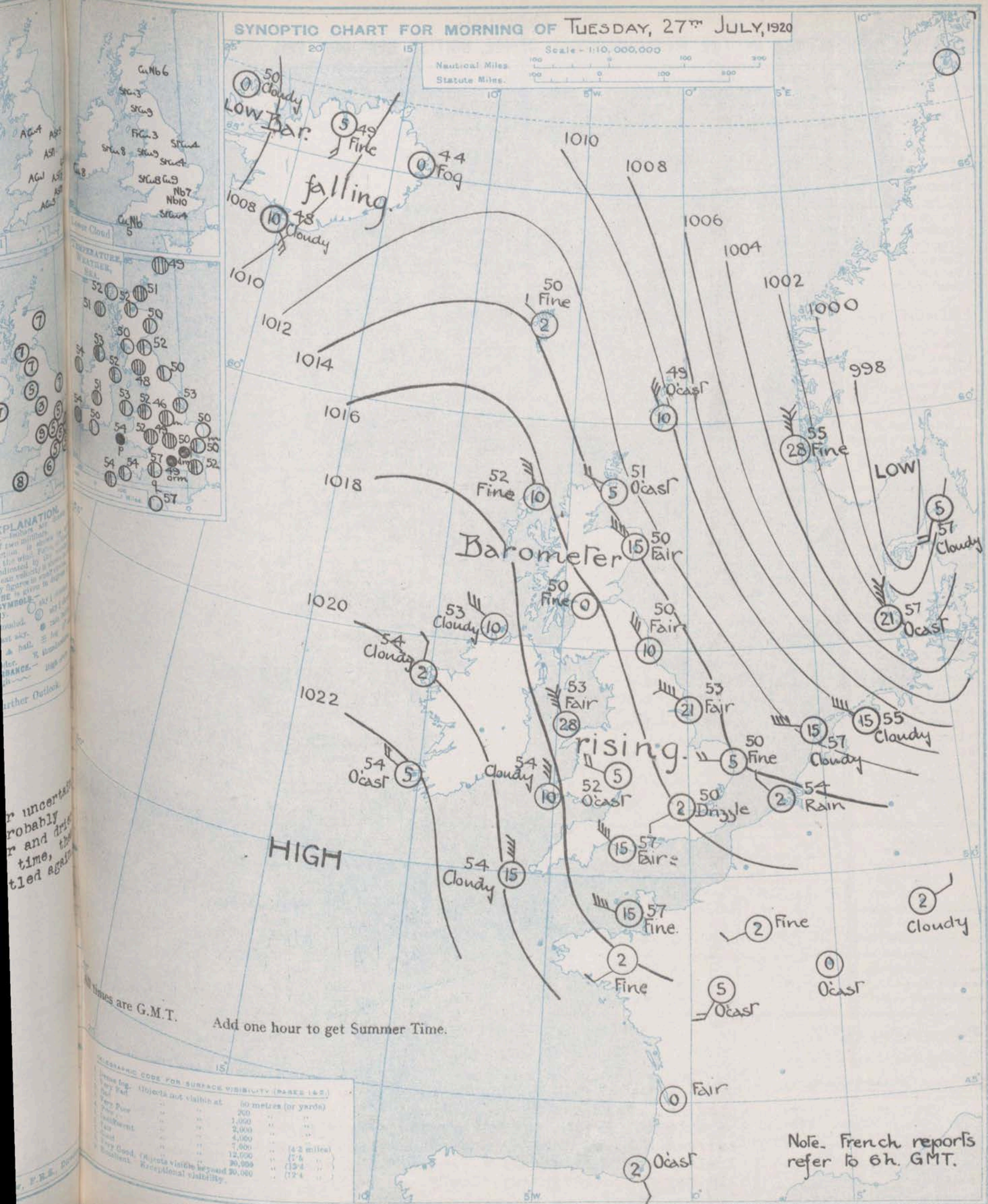
Nautical Miles 100 0 100 200

Statute Miles 100 0 100 200

10° 15°

5°W 0° 5°E

50 Cloud



Note. French reports refer to 6h. GMT.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 209

Tuesday
27th JulyWEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 26th

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.			STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-24h. 25-26 th	Day. 9h-17h. 26 th	to 17h. 26 th	Sunrise to Sun- set. 25 th				Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-24h. 25-26 th	Day. 9h-17h. 26 th	to 17h. 26 th	Sunrise to Sun- set. 25 th
Scotland.	Oban	bc	b	61	44	-	-	8.0	?	England, N.W.	Douglas (I.O.M.)	-	-	69	49	13	-	7.4	?	
	Banff	c.	bc.c.o	59	47	1	-	4.0	8.8		Blackpool	c.c	c.c	60	51	17	0.2	2.6	1.7	
	Montrose	c.	cp.	59	47	-	0.2	2.0	?		Southport	o.o bc	bc.c	60	50	15	-	2.7	2.3	
	St. Andrews	cp.	cp.	57	51	-	2	1.1	?											
England, N.E.	Harrogate	o.	op.c.bc	55	48	18	0.3	0.9	2.4	Midlands.	Buxton	o.cgrc	bc.c.c.b	56	48	14	0.1	1.5	?	
	Scarborough	of.	of.	50	50	18	5	0.0	3.8		Leamington Spa...	of.	gu.b.	60	50	13	-	1.0	3.5	
	Skewness	of.	ro.	57	52	13	5	0.2	?		Malvern	o.	c.	59	50	12	0.2	2.2	0.0	
	Lowestoft	o.c.	op.u.	62	52	7	0.2	1.4	?		Bath	p.o.	op.	60	52	5	1	0.6	?	
England, E.	Felixstowe	of.	op.	61	55	5	2	3.1	9.0	Wales.	Rhyl	pc.	bc	63	52	26	-	4.3	3.3	
	Southend-on-Sea...	bc.c.o.c	c.opp.	65	52	2	0.1	5.2	7.9		Colwyn Bay	x.	x.	59	52	26	-	2.0	2.1	
											Llandudno	op.	c.bc	59	62	26	0.4	4.9	1.6	
											Aberystwyth	ro.c.	b.bc	59	62	9	-	4.0	?	
England, S.E.	Tunbridge Wells	bc.o.bc	o.c.og.o	61	52	3	-	1.7	6.2	England, S.W.	Tenby	bc	bc	62	?	4	-	8.0	?	
	Margate	b.of.bc	ca.	67	54	3	6	4.1	10.1		Swansea	-	-	64	51	5	-	6.6	?	
	Ramsgate	*	*	62	50	2	7	4.9	10.8											
	Folkestone	r.og.c	cga.	64	50	3	1	3.0	12.0		Weymouth	ro.Tbc	o.bc.	63	53	5	-	4.0	2.6	
	Hastings	of.c.	bc.o	62	54	6	Trace	2.0	7.8		Teignmouth	o.c.bc	b.	62	51	2	-	4.6	0.3	
	Eastbourne	of.o.c.	c.o	62	52	5	1	2.8	9.2		Torquay	o.bc	c.bc.b	63	51	1	-	5.6	0.2	
	Brighton	o.	o.	62	55	6	-	1.0	5.6		Paignton	og.bc	bcg	64	50	0.3	-	9.4	1.2	
	Worthing	c.o.c	o.c.	62	54	3	-	1.0	5.2		Penzance	bc.	bc.	62	52	1	-	9.0	0.5	
	Littlehampton ...	bc	o.o.r	63	53	4	-	1.0	3.2		Newquay	b.	b.bc.c	59	51	2	-	8.5	0.9	
	Portsmouth (S'thsea)	bc.	of.	61	47	9	1	2.1	4.6		Bude	c.bc.	b.c.	60	51	5	-	4.5	0.1	
	Bournemouth ...	*	*	62	51	8	1	3.0	2.5		Ilfracombe	o.c.	c.bc.c	60	54	5	-	2.2	0.0	
	Ventnor (I. of W.)	*	*	62	52	6	0.3	2.9	3.8		Weston-s-Mare ...	c.bc	c.bo	63	52	5	-	-	-	

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 at about 30 feet above ground.	
	7h-13h 26 th	13h-18h 26 th	18h-24h 26 th	1h-7h 27 th				Day. 7h-18h.	Night. 18h-7h.				Statute miles per hour.	Metres per second.
Renfrew ...	bc.o.p	T. o.f.	a.f.g. bc.c.f.	b.bc.f	59	48	36	8	-	3.2	b blue sky (not more than a quarter covered).	0	Less than 1	Less than 1.5
Eskdalemuir ...	op	op.g.to	c.o.bc.c.	bc.c.	56	43	38	0.5	0.1	1.0	bc sky partly cloudy (one half covered).	1	1-3	1.6-3.8
Valencia (Chire'n)	bc.c.	bc.o	DD	bc.c.	58	50	43	1	-	8.8	c generally cloudy (three quarters covered).	2	4-7	2.4-7.4
Baldonnel ...	bc.c.	c.o.RR.	c.o	b.bc	60	41	8	7	Trace	7.5	d drizzle, or fine rain.	3	8-12	3.6-7.9
Didsbury ...	T. g.f.	c.o.f.	c.o.f.	o.f. bc.c.	61	43	34	6	3	8	e wet air without rain falling.	4	13-18	4.0-10.7
Ross on Wye...	g.o.p	c.o.p.	bc.c.	b.bc.c.	62	45	38	3	2	2.5	f fog.	5	19-24	10.4-13.9
Falmouth ...	bc.c.	bc.c.	b.bc.c.	bc.c.	62	48	44	-	2	11.6	g gloom.	6	25-31	13.9-17.1
Calshot (Hants)...	o.u.	o.g.f.	c.o	c.o.f.	62	49	46	3	0.3	2.2	h hail.	7	32-38	17.2-20.7
Lymington (Folkestone)	py.PT.	o.f.g.f.	o.f.c.	b.c.c.	60	44	37	3	-	2.9	i lightning.	8	39-46	20.8-24.4
Aberdeen ...	c.o.c.	c.o.c.	c.o.f.	c.o.f.	56	48	44	-	0.1	0.9	m mist.	9	47-54	21.5-25.4
Howden ...	q.v.	q.v.	b.bc.c.	b.c.c.	60	38	32	3	-	1.6	o overcast sky.	10	55-63	25.5-30.5
Cranwell (Lincs) ...	DDrr.o	o.b.o	b.bc.c.	c.o.w.	56	40	32	2	-	1.6	p passing showers.	11	64-75	33.6 or above
Felixstowe ...	p.o.c.	c.o.p.	b.bc.c.	b.bc.f	63	47	41	3	8	8	q squalls.	12	Above 75	33.6 or above
Shoeburyness ...	p.o.	b.c.	q.o.f.	b.bc	61	45	37	0.2	Trace	3.8	rs sleet, i.e., rain and snow together.			
Benson ...	-	b.c.	t.f.	r.f.o.	60	43	37	1	7	-	s snow.			
S. Farnborough ...	c.o.p.	o.p.	bc.c.	b.c.c.	61	43	37	-	4	1.6	t thunder.			
London (Kew Obs.)	q.u.	o.c.	o.f.c.	o.f.c.	60	47	35	Trace	2	1.8	u ugly, threatening sky.			
Croydon ...	c.o.p.	o.f.g.f.	o.f.c.	o.f.c.	59	46	38	0.2	0.3	8	v unusual visibility.			
											Capital letters indicate intensity, and repetition of letters continuity, thus:- R = heavy rain. rr = continuous moderate rain. r.f. = continuous light rain.			

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 SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning.	Afternoon.						Night.	15h. G.M.T.		9h. G.M.T.	Stations.	Sunrise G.M.T.	Noon G.M.T.
	24 HOURS ENDED 26 th G.M.T. 27 th							YESTERDAY.	TO-DAY.	Vertical Component of Solar Radiation per Square Centimetre during yesterday	27 th & 28 th July 1920.			
Greenwich (Royal Observatory)	o	o. of	c. b. c. m.	62	44	37	1	2.7	69	86	Total 683 Joules	Yarmouth...	4.5	11.59
City (Bunhill Row)	*	*	*	*	*	*	*	1.8	*	*					Greenwich	4.6	12.6
Westminster (St. James's Park)	*	*	*	62	46	39	3	1.7	67	88	Wick	3.53	12.18	
.. (Admiralty Arch)	o. p. c. m.	o. p. c. m.	b. c. o. m.	62	50	*	3	2.0	66	86				Valencia ...	4.56	12.47
Camden Sq. (British Rainfall)	o	o. of	*	62	48	42	2	*	74	77	Maximum Rate. 70	4.57	12.47	
Kensington Palace	o. g.	o. b. c.	*	61	46	37	3	*	72 (18h)	92				
Hampstead Observatory	*	*	*	59	46	*	1	2.1	*	85				

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 2h. to 3h. m.
to 2h. to 3h. m.

Stars.	Duration of Exposure.		Duration of Record.		%
Polaris	h.	m.	h.	m.	
8 Ursae	5	0	3	0	62
Minoris	5	0	2	47	56

NOTES ON THE WEATHER OF YESTERDAY.

Temperature continued very low for the time of year, the maximum being less than 60° over a very large portion of the Kingdom. Rain was again general, but the quantity was moderate or slight. Bright sunshine records were high locally in the extreme S.W. of England and at Ross-on-Wye, and fairly high in Ireland and the extreme W. and N.W. of Scotland. Elsewhere the day was mainly very cloudy.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.3.433.

WEDNESDAY, 28th JULY, 1920.

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

STATIONS	Barom. at M.S.L. mb.	Change in 3 hours	Wind. Dirac. Force 0-12.	Weather	Temp. °F.	Humidity %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud Form.	Sea 0-9.	Barom. at M.S.L. mb.	Change in 3 hours	Wind. Dirac. Force 0-12.	Weather	Temp. °F.	Humidity %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud Form.	Sea 0-9.							
13H. G.M.T. 27 th																													
Renfrew	1017.6	+1	MW	2	0	57	65	8	3,000	Str	10	-	-	-	1017.5	0	WNW	3	0	57	65	8	4,200	Str	9	as	1	2	
Eskdalemuir	1017.4	+1	WNW	2	0	56	55	8	5,700	Str	9	-	-	-	1017.7	0	WNW	3	0	54	65	8	4,200	Str	10	-	-	2	
Valencia (Cahire's)	1022.9	-1	W	2	bc	60	65	8	3,000	Cu	2	as	2	2	1022.1	-1	SSW	3	or	54	85	7	1250	Str	6	as	4	3	
Baldonnell	1021.0	0	W	2	0	57	75	7	3,000	Str	10	-	-	-	1020.4	0	WSW	3	c	58	75	8	4,200	Str	5	as	2	2	
Edinburgh	1017.7	+2	MW	4	c2	61	55	5	4,200	Cu	5	as	2	2	1019.1	+3	MW	4	bc	58	65	6	4,200	Cu	5	ci	1	2	
Ross on Wye	1018.3	+2	M	2	c	62	65	9	3,000	Cu	8	-	-	-	1019.8	+3	MW	2	bc	59	75	9	5,700	Str	5	c	1	2	
Falmouth	1022.0	+2	MW	4	bcv	62	65	9	-	Cu	4	-	-	-	1023.0	+2	MW	3	bc	59	65	9	-	-	ci	2	2	2	
Calshot (Hants)	1018.6	+3	ME	2	a	57	75	8	2,000	Cu	8	7	ci	1	2	1019.9	+2	ME	2	c	60	75	8	3,000	Str	7	-	-	1
Lymington (Folkestone)	1017.2	+4	ESE	3	om	54	85	7	2,000	Cu	7	as	2	2	1017.4	+1	MW	3	c2	56	75	7	4,200	Str	5	3	ci	2	2
Aberdeen	1015.6	+1	MW	4	c	56	45	8	-	Str	7	-	-	-	1015.7	0	M	1	c	58	45	8	-	Str	4	as	3	2	
Howden	1017.8	+2	M	3	c2	59	65	7	5,700	Str	5	as	2	2	1018.4	+1	-	0	c2	59	65	7	7,200	Str	8	as	1	2	
Cranwell (Lincs)	1018.0	+2	M	4	c2	59	75	7	4,200	Str	8	-	-	-	1019.5	+2	S	3	c2	55	85	6	4,200	Str	8	as	2	2	
Felixstowe	1017.4	+1	M	3	c	62	55	7	7,200	Str	6	as	1	2	1019.3	+2	ME	2	c	58	75	8	2,000	Str	6	as	1	2	
Shoeburyness	1017.0	+1	MW	1	c	59	65	7	3,000	Str	4	as	1	2	1019.2	+3	NNE	1	c	68	65	7	5,700	Str	1	as	1	2	
Benson	1017.5	+2	MW	2	c	61	65	6	-	-	-	-	-	-	1019.3	+1	NNE	1	c	59	75	5	-	Cu	6	-	-	2	
S. Farnborough	1019.0	+1	MNE	3	ct	64	65	8	2,000	Cu	7	as	1	2	1019.2	+2	NNE	2	c2	61	65	6	2,000	Str	7	ci	1	2	
London (Kew Obs.)	1018.2	+2	-	0	om	58	65	5	1250	Cu	9	as	1	2	1019.9	+1	WSW	1	c	56	75	5	3,000	Str	4	as	4	2	
Croydon	1018.5	+3	MW	1	o2	54	85	5	2,000	Str	8	as	2	2	1019.9	+2	W	1	o2	57	85	5	3,000	Cu	10	-	-	2	
1H. G.M.T. OF 28 th																													
Renfrew	1016.4	-2	-	0	0	45	92	8	-	Str	10	-	-	-	1008.8	-4	SSW	4	Do	51	92	4	1,250	Nb	10	-	-	2	
Eskdalemuir	1016.4	-2	-	0	0	45	92	8	-	Str	10	-	-	-	1010.3	-5	SSW	6	om	49	92	4	2,000	Nb	10	-	-	3	
Valencia (Cahire's)	1014.2	-4	N	5	om	58	-	-	-	-	-	-	-	-	1015.9	+3	WNW	4	0	56	85	8	2,000	Str	10	-	-	2	
Baldonnell	1014.2	-4	-	0	om	60	97	5	2,000	Nb	10	-	-	-	1010.7	-1	SW	5	bc	54	92	4	<500	Nb	10	-	-	2	
Edinburgh	1017.4	-2	-	0	om	60	97	5	2,000	Nb	10	-	-	-	1015.0	-4	SSW	4	bc	52	85	4	4,200	Nb	6	as	4	2	
Ross on Wye	1022.7	-2	W	2	0	62	85	7	-	-	-	as	10	2	1017.4	-3	SW	4	bc	54	85	7	4,200	Nb	8	as	2	2	
Falmouth	1022.7	-2	W	2	0	62	85	7	-	-	-	as	10	2	1019.0	-4	SW	3	bc	54	92	4	-	Nb	10	-	-	2	
Calshot (Hants)	1020.1	0	WNW	2	0	49	92	8	-	-	-	as	10	2	1020.4	-1	WSW	2	0	54	92	8	5,700	Str	10	-	-	1	
Lymington (Folkestone)	1021.0	0	-	0	bc	46	92	5	-	-	-	-	-	-	1019.4	0	WSW	2	bc	54	85	8	2,000	Cu	1	as	2	2	
Aberdeen	1018.1	-1	SW	1	bc	45	92	5	4,200	Str	3	as	2	2	1009.4	-3	S	2	or	51	97	4	-	Nb	10	-	-	3	
Howden	1018.1	-1	SW	1	bc	45	92	5	4,200	Str	3	as	2	2	1015.6	-3	S	1	o2	50	92	4	3,000	Str	7	as	3	2	
Cranwell (Lincs)	1018.0	0	W	3	c	47	92	5	3,000	Str	4	as	2	2	1017.3	-5	SSW	3	o2	53	75	6	4,200	Str	6	as	4	2	
Felixstowe	1018.0	0	W	3	c	47	92	5	3,000	Str	4	as	2	2	1019.4	0	SW	3	c2	55	85	4	5,700	Str	6	as	2	2	
Shoeburyness	1018.0	0	W	3	c	47	92	5	3,000	Str	4	as	2	2	1019.3	0	WSW	1	bc	55	75	4	4,200	Str	2	as	2	2	
Benson	1018.0	0	W	3	c	47	92	5	3,000	Str	4	as	2	2	1019.3	0	WSW	1	bc	55	75	4	4,200	Str	2	as	2	2	
S. Farnborough	1020.6	+1	W	3	c	50	92	5	-	-	-	-	-	-	1019.5	-1	WSW	2	0	51	92	7	2,000	Str	6	as	4	2	
London (Kew Obs.)	1020.8	0	SSW	2	bc	48	97	4	-	-	-	-	-	-	1019.5	-1	SW	2	om	52	92	5	4,200	Str	4	as	6	2	
Croydon	1020.8	0	SSW	2	bc	48	97	4	-	-	-	-	-	-	1020.1	-1	SW	2	o2	52	92	6	1,250	Str	5	as	5	2	
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																													
STATIONS	Barom. at M.S.L. mb.	Temp. °F.	Wind. Dirac. Force 0-12.	Weather	Barometer. at M.S.L. mb.	Change in 3 hours	Temp. °F.	Change in 24 hours	Wind. Dirac. Force 0-12.	Dirac. of Upper Cloud.	Weather	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Morning.	Afternoon.	Night.	Sunshine Hours.										
12H. G.M.T. OF 27 th																													
Leewick	1012.6	54	MW	3	bc	1010.4	0	52	+3	S	2	-	bc	2	56	44	bc	bc	bc										
Stornoway	1015.1	54	WSW	5	0	1001.9	-6	51	-1	SSW	6	-	bc	5	59	49	bc	bc	bc										
Castell Bay (Barrals)	1016.1	54	SW	4	0	1004.0	-1	55	+4	WNW	4	-	0	4	54	50	bc	bc	bc										
Blackhead	1018.1	55	W	2	c	1003.7	-2	54	+1	NW	4	-	om	4	54	48	bc	bc	bc										
Roche's Point	1017.6	55	SW	3	0	1011.1	+3	53	-1	NW	2	-	om	4	61	49	bc	bc	bc										
Bar Castle	1022.8	57	WSW	3	0	1014.4	-2	58	+8	W	3	-	0	3	63	50	bc	bc	bc										
Donaghadee	1020.6	59	W	1	0	1011.6	-	55	+4	W	3	-	0	5	61	48	bc	bc	bc										
Liverpool (Midland)	1018.9	57	-	0	bcv	1009.4	-4	51	-1	SW	2	-	om	2	60	47	bc	bc	bc										
Holyhead	1019.5	56	WNW	4	b	1015.5	-4	51	-6	S	2	-	0	2	59	49	bc	bc	bc										
Pembroke (St. Ann's Head)	1020.2	59	WSW	2	bc	1012.0	-5	52	-1	SSW	6	-	0	3	60	50	bc	bc	bc										
Scilly (St. Mary's)	1022.3	57	W	2	b	1015.3	-4	54	0	S	5	-	om	4	58	51	bc	bc	bc										
Jersey (St. Aubin)	1023.3	58	WNW	2	bcv	1019.1	-3	58	+1	SSW	4	-	0	5	61	53	bc	bc	bc										
Portland Bill	1021.4	61	MW	2	b	1022.5	0	54	0	W	3	-	0	2	63	54	bc	bc	bc										
Bangor	1020.2	60	WNW	3	bc	1020.5	-2	58	+1	WSW	5	-	0	4	62	53	bc	bc	bc										
Wick	1018.2	58	WSW	2	b	1019.4	-2	58	+6	SW	3	-	0	3	60	44	bc	bc	bc										
Malin	1014.2	55	MW	1	bc	1006.1	-5	50	-1	SSW	2	-	om	1	54	45	bc	bc	bc										
Leith	1015.3	57	-	0	c	1003.7	-4	49	-3	-	0	-	om	1	61	44	bc	bc	bc										
Lynmouth	101																												

SUMMARY OF CONDITIONS AT 7h. G.M.T. 28. 7. 20

Temperature reported from Coastal and Cross Channel Steamers.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
1. S.E. England	Cloudy or overcast; local	Good.	Slight	12	27 th	02.25	52	57
2. E. England	Fair to overcast; local	Indiff.	Smooth.	1	27 th	11.30	58	59
3. E. Midlands	Overcast, local mist & showers.	"	"	3	27 th	09.15	64	65
4. W. Midlands	Dull, some rain or drizzle.	"	"	2	28 th	01.10	64	55
5. S.W. England	Dull, local rain and mist.	"	Moderate	8	28 th	04.45	61	58
6. South Wales	Dull, some rain and mist.	Fair.	"	5	28 th	04.21	53	52
7. North Wales	Dull, local rain, mist & squalls.	Poor	R. Rough.					
8. N.W. England	Dull, local rain and squalls.	"	"					
9. N. Midlands	Dull, local rain & mist.	"	"					
10. N.E. England	Cloudy or dull, local mist & drizzle.	"	Smooth					
11. E. Scotland	Dull, local mist & rain.	"	Slight					
12. S.W. Scotland	Dull; rainy; local mist.	"	Moderate					
13. Isle of Man	Dull, some rain & mist.	"	R. Rough					
14. N. & N.W. Scotland	Dull, some rain & mist.	"	Moderate					
15. Hebrides	Dull, local rain	Fair	R. Rough					
16. Orkneys and Shetlands	Fair to dull, misty	Indiff.	Smooth					
17. N.W. Ireland	Dull, misty, rainy, squalls.	"	Slight					
18. N.E. Ireland	Dull, misty, rainy, locally squalls.	Poor	"					
19. S.E. Ireland	Dull, some rain & squalls.	"	Moderate					
20. S.W. Ireland	Dull.	Good.	Slight					

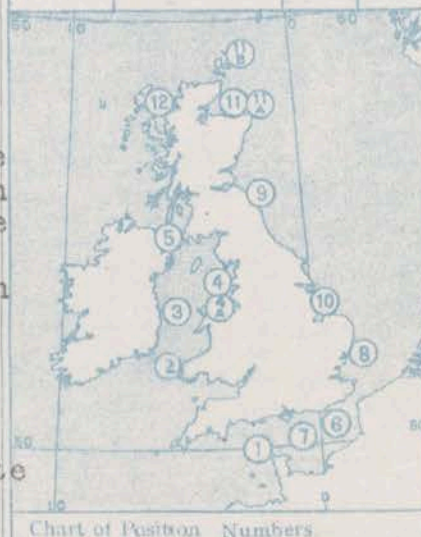
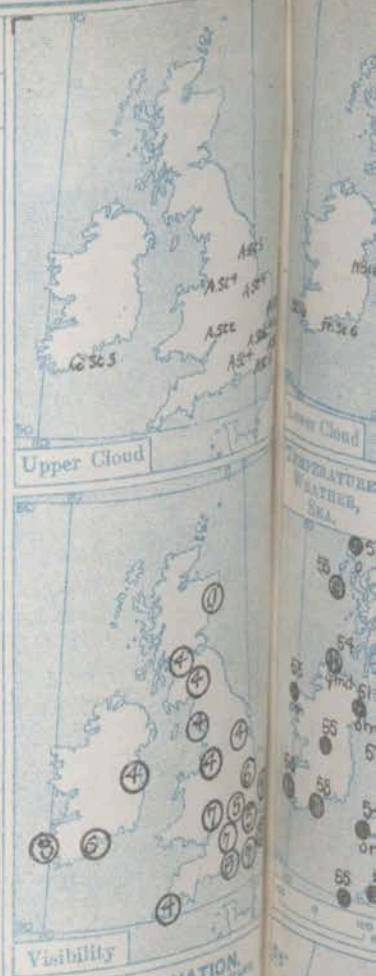


Chart of Position Numbers



EXPLANATION.
BAROMETER.—Inches are shown in figures, tenths in dots.
WIND.—Direction is shown by the letters N, E, S, W, NE, SE, SW, NW.
 Force is indicated by the number of feathers. Mean velocity is shown in figures per hour by figures in dots.
TEMPERATURE.—Inches are shown in figures, tenths in dots.
WEATHER SYMBOLS.
 ☉ clear sky. ☁ sky 1 clouded. ☁☁ sky 2 clouded. ☁☁☁ sky 3 clouded.
 ☁☁☁☁ overcast sky. ☁☁☁☁☁ overcast sky.
 * snow. * hail. * rain. * thunder. * lightning.
SEA DISTURBANCE.—Rough. Very rough. Stormy.

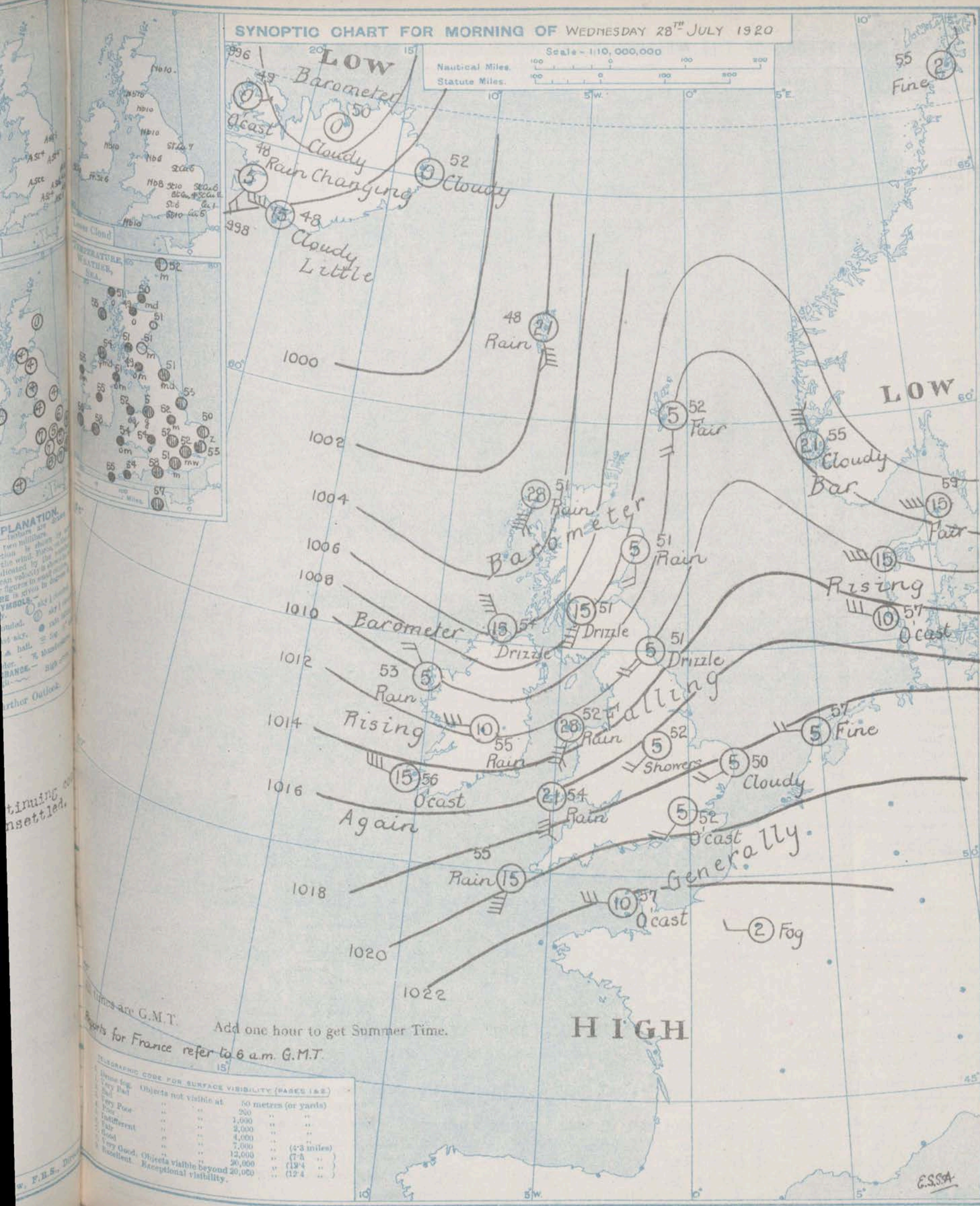
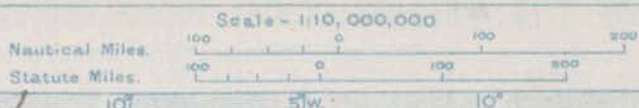
GENERAL INFERENCE from observations received up to 9h. G.M.T.

A secondary trough of low pressure over our western districts is moving E or NE and further rain or drizzle is probable in all parts of the Kingdom. There are still no indications of fine, settled weather.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 28th July, 1920.
1. S.E. England	Wind SW., veering towards W., light or moderate, fresh in places. Dull, some rain or drizzle, then improving; visibility mainly fair, then good. Very cool.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	Wind SW., veering to W or NW.. moderate or fresh, strong locally. Rainy or showery, then improving. Visibility indifferent to good. Very cool.
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind SW. veering to W., moderate, fresh locally. Rainy or showery, then improving. Visibility indifferent to fair. Very cool.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Wind W. or NW., moderate or fresh, variable sky, showery. Visibility fair or good. Very cool.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Continuing and unsettled.

SYNOPTIC CHART FOR MORNING OF WEDNESDAY 28TH JULY 1920



PLANATION.
Isobars are shown at two millibars.
The wind direction is indicated by the arrow.
The wind velocity is shown by the number in the circle.
The height of the clouds is given in feet.
The height of the fog is given in feet.
The height of the mist is given in feet.
The height of the haze is given in feet.
The height of the smoke is given in feet.
The height of the dust is given in feet.
The height of the sand is given in feet.
The height of the gravel is given in feet.
The height of the stones is given in feet.
The height of the bricks is given in feet.
The height of the tiles is given in feet.
The height of the slates is given in feet.
The height of the shingles is given in feet.
The height of the tiles is given in feet.
The height of the slates is given in feet.
The height of the shingles is given in feet.

Timing unsettled.

Times are G.M.T. Add one hour to get Summer Time.
Reports for France refer to 6 a.m. G.M.T.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (BASES 1 & 2)

Objects not visible at	50 metres (or yards)
Very Poor	200
Poor	1,000
Indifferent	2,000
Fair	4,000
Good	7,000
Very Good	12,000
Excellent	20,000

Objects visible beyond 20,000 feet (12.4 miles) are exceptional visibility.

G.S.S.A.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 219.

Wednesday,
28th July

WEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 27th

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night, 17h-24h.	Day, 24h-17h.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night, 17h-24h.	Day, 24h-17h.	to 17h.	Sunrise to Sunset.
Scotland.									England, N.W.								
Oban ...	c.o.	c.o.	60	49	0.3	-	4.4	10.1	Douglas (I.O.M.)	-	-	59	49	-	-	10.4	7.4
Banff ...	c.o.	bc b	59	49	0.3	-	6.3	4.4	Blackpool ...	c. bc	-	61	46	-	-	10.0	4.8
Montrose ...	c. cp	bc	61	47	4	0.3	2.4	2.1	Southport ...	bc b	b. bc	58	46	-	-	9.10	4.5
St. Andrews ...	bc	bc	63	51	1	-	4.8	1.2	England, N.E.								
England, N.E.									Buxton ...	cg. c. bc	cg. bc. b	57	41	5	-	3.2	1.9
Harrogate ...	bc. b. bc	c. bc. c.	60	44	3	-	4.7	1.0	Leamington Spa...	c. b.	c. b.	62	45	0.3	-	5.5	1.3
Scarborough ...	b	b	63	45	-	-	5.7	2.5	Malvern ...	bc	bc	63	48	-	-	7.4	2.9
Skegness ...	c. c. br	br	59	43	-	-	4.2	1.3	Bath ...	c. bc. b	c. bc. b	64	49	-	4	6.9	6.6
Lowestoft ...	bc	bc	60	45	-	-	9.7	1.4	Rhyl ...	bc	b.	63	53	-	-	10.0	6.0
Felixstowe ...	bc. z	bc	64	47	-	-	8.4	3.2	Colwyn Bay ...	x.	x.	59	52	-	-	6.5	4.0
Southend-on-Sea...	c. c. od.	c. c.	63	47	-	0.2	4.7	5.2	Llandudno ...	c. bc.	b.	59	52	-	-	9.5	4.0
England, S.E.									Aberystwyth ...	c. c. b.	b. bc	58	53	-	-	11.5	7.8
Tunbridge Wells	c. c. bc.	c. c. bc. z	59	42	-	1	1.2	1.2	Tenby ...	bc.	b.	63	46	2	-	10.1	7.3
Margate ...	bc. c. bc.	c. bc. c.	61	51	-	-	7.1	4.1	Swansea ...	-	-	66	48	-	-	8.0	5.0
Ramsgate ...	-	-	60	46	-	-	4.9	4.9	Weymouth ...	bc.	bc.	67	48	-	-	11.2	4.8
Folkestone ...	c. bc.	bc.	62	50	-	7	2.7	3.0	Teignmouth ...	b. bc.	b.	65	48	-	-	11.2	6.2
Hastings ...	bc. bc.	bc. bc. c.	61	48	-	0.4	2.3	2.2	Torquay ...	b. bc. b	b.	67	48	2	-	12.2	7.0
Eastbourne ...	c. o.	c. bc. bc.	62	48	0.4	2	3.0	2.8	Paignton ...	bc.	b.	67	46	1	-	11.7	12.2
Brighton ...	c. bc.	bc. bc.	64	48	1	1	3.1	1.2	Penzance ...	bc.	bc.	62	52	-	-	10.5	9.1
Worthing ...	c. o.	c.	63	47	-	0.2	3.0	1.2	Newquay ...	bc.	bc.	59	53	0.1	-	12.0	8.5
Littlehampton ...	bc. p.	bc.	64	48	-	6	4.0	1.0	Bude ...	b. bc.	b.	60	55	-	-	10.9	4.6
Portsmouth (S. Sea)	-	-	64	50	0.4	1	6.0	2.7	Ilfracombe ...	b. bc.	bc. b.	61	54	-	0.2	5.0	2.5
Bournemouth ...	-	-	65	48	1	0.2	8.0	4.5	Weston-s-Mare ...	bc. c.	p. bc. c.	65	52	-	-	-	-
Ventnor (I. of W.)	-	-	60	49	-	4	6.1	2.9									

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	7h-12h.	12h-17h.	Max. F.	Min. F.	Day, 7h-17h.	Night, 17h-7h.	Hours.	Hours.
Renfrew ...	c. o. o.	o.	59	30	4.7	-	3.9	3.9
Eskdalemuir ...	o.	c. o.	54	43	3.4	-	1.2	1.2
Valencia (Calm.)	c. bc. bc.	bc. bc.	60	56	5.6	1	5.4	5.4
Baldonnel ...	c. o.	bc. c.	61	45	4.7	-	4.3	4.3
Didsbury ...	c. o. z.	bc. bc.	63	47	3.9	-	1.4	1.4
Ross on Wye ...	c. o. v.	b. bc. v.	66	47	4.3	-	8.4	8.4
Falmouth ...	b. bc.	b. bc. v.	63	56	4.6	-	12.2	12.2
Calshot (Hants.)	bc. c. p. T.	c. o. bc. c.	64	49	4.3	-	6.8	6.8
Lymington (Hants.)	bc. c. p. T.	c. o. bc. c.	64	46	3.6	6	3.2	3.2
Aberdeen ...	bc. c. c. o.	bc. c. v.	61	49	4.6	-	0.3	0.3
Howden ...	c. o. o.	c. o. o.	61	45	4.0	-	4.9	4.9
Cranwell (Lincs.)	bc. c. bc. c.	c. o. o.	61	45	4.0	-	8.2	8.2
Felixstowe ...	bc. c. bc. c.	bc. c. bc. c.	65	52	4.0	-	4.0	4.0
Shoeburyness ...	b. bc. c. o.	bc. c. bc. c.	63	46	3.9	-	0.1	0.1
Benson ...	-	bc. c.	65	45	4.2	-	4.2	4.2
S. Farnborough ...	c. o. o. T.	bc. c. bc. c.	64	43	3.9	-	4.4	4.4
London (Kew Obs.)	c. o. o. T.	bc. c. bc. c.	62	46	3.6	1	1.5	1.5
Croydon ...	c. o. o. T.	bc. c. bc. c.	62	48	4.0	-	4.0	4.0

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 Just haze; the turbid atmosphere of dry weather.

Capital letters indicate intensity, and repetition of letters continuity, thus:
R = heavy rain.
rr = continuous moderate rain.
rrr = continuous night rain.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 20 feet above ground.	
	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.3
2	4-7	1.3-2.4
3	8-12	2.4-3.7
4	13-18	3.7-5.0
5	19-24	5.0-6.7
6	25-31	6.7-8.5
7	32-38	8.5-10.7
8	39-46	10.7-12.8
9	47-54	12.8-15.0
10	55-63	15.0-17.7
11	64-75	17.7-20.8
12	Above 75	20.8 or above

SYMBOLS.
 ☉ Solar lake
 ☾ Lunar lake
 ☼ Solar corona
 ☼ Lunar corona
 ☼ Solar corona
 ☼ 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 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 th G.M.T. 28 th								YESTERDAY.			TO-DAY.		28 th AND 29 th JUNE..... 1920.	
											Vertical Component of Solar Radiation per Square Centimetre during yesterday	Stations.	Sunrise.	Noon.	G.M.T.
Greenwich (Royal Observatory)	op	a. st. b.	b. o	63	45	40	0.3	0.9	74	71					
City (Bunhill Row) ...	"	"	"	"	"	"	"	1.4	"	"					
Westminster (St. James's Park)	op	o	o	63	44	40	9	1.5	61	73		Yarmouth...	4.6	11.59	7.51
" (Admiralty Arch)	cm. op	bc. c. bc.	bc. c. bc.	63	50	"	10	2.1	66	81	Total 91.6..... Joules.	Greenwich	4.18	12.6	7.54
Camden Sq. (British Rainfall)	or	o. o	"	65	47	44	0.3	"	64	75	Milliwatts.				
Kensington Palace	a. o.	c. r. a. bc.	"	63	47	38	0.3	"	64 (18h)	75	Average Rate. 16.3	Wick	3.57	12.15	8.34
Hampstead Observatory	c. op	bc	c. bc.	61	47	"	"	3.4	"	74	Maximum Rate 75	Valencia ...	4.57	12.47	8.15

Photographic Record of

Pole Star (Polaris) and of 3 Ursae

Minoris at Greenwich Observatory.

Exposure from 2 1/2 h. to 3 h. 30 m.
to 2 1/2 h. to 3 h. 30 m.

Star.	Duration of Exposure.	Duration of Record.	%
Polaris	5	4	88
3 Ursae Minoris	5	3	77

NOTES ON THE WEATHER OF YESTERDAY.

Temperature again failed to reach 60° in many localities and remained below 65° except at some Southern and Southwestern stations. Rain fell generally except in the E. of England and at some places in the South, but the largest measurements reported were 7 mm. at Lymington and Folkestone, and about 10 mm. in some parts of London. Very little bright sunshine was recorded in Southeastern and central England, but in most other parts of the Kingdom the records were fair to high - more than 10 hours over a large area.



INDEXED 7/1/99

Max. F.	Min. F.
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74	54
63	63

12	59
81	

86	63
91	72
92	70

93	144
77	89
15	3

91	75
97	77
98	78

91	72
90	72
89	72

73	
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Weather:	Sunny
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SUMMARY OF CONDITIONS AT 7 h.G.M.T. 29.7.1920.

Temperature reported from Coastal and Cross Channel Steamers.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number.	Date.	Time G.M.T.	Sea °F.	Air °F.
1. S.E. England	Fair to overcast; local mist.	Good	slight	12	28th	03.50	52	51
2. E. England	Mainly cloudy.	Fair	smooth	3	28th	09.15	54	56
3. E. Midlands	Cloudy or dull; local mist	"	-	2	28th	01.00	53	56
4. W. Midlands	Mainly cloudy.	"	-	4	29th	03.00	58	55
5. S.W. England	Variable sky.	Good	Mod.	7	29th	03.30	52	53
6. South Wales	Fine to cloudy.	V.good	slight		29th	02.15	60	59
7. North Wales	Mainly overcast.	Good	Mod.					
8. N.W. England	Cloudy to dull, local squalls mist & rain.	Fair	"					
9. N. Midlands	Dull, local mist & squalls	"	-					
10. N.E. England	Fair to overcast, local mist and squalls.	"	slight					
11. E. Scotland	Cloudy.	Good	smooth					
12. S.W. Scotland	Overcast; local mist.	Fair	slight					
13. Isle of Man	Cloudy.	-	Mod.					
14. N. & N.W. Scotland	Dull, local showers & mist	Fair	slight					
15. Hebrides	Dull, showery.	"	"					
16. Orkneys and Shetlands	Cloudy or dull, some mist.	Indiff	smooth					
17. N.W. Ireland	Dull, local squalls.	Fair	Mod.					
18. N.E. Ireland	Cloudy or dull, local mist and squalls.	"	slight					
19. S.E. Ireland	Variable sky.	Good	smooth					
20. S.W. Ireland	Variable sky.	V.good	slight					

Chart of Position Numbers.

GENERAL INFERENCE from observations received up to 9h.G.M.T.

Another depression of considerable size and intensity is approaching Iceland and will probably affect the winds and weather over the British Isles. Unsettled conditions are, therefore, still likely to continue, although fair intervals may be more frequently experienced than of late, and the temperature may rise nearer the normal.

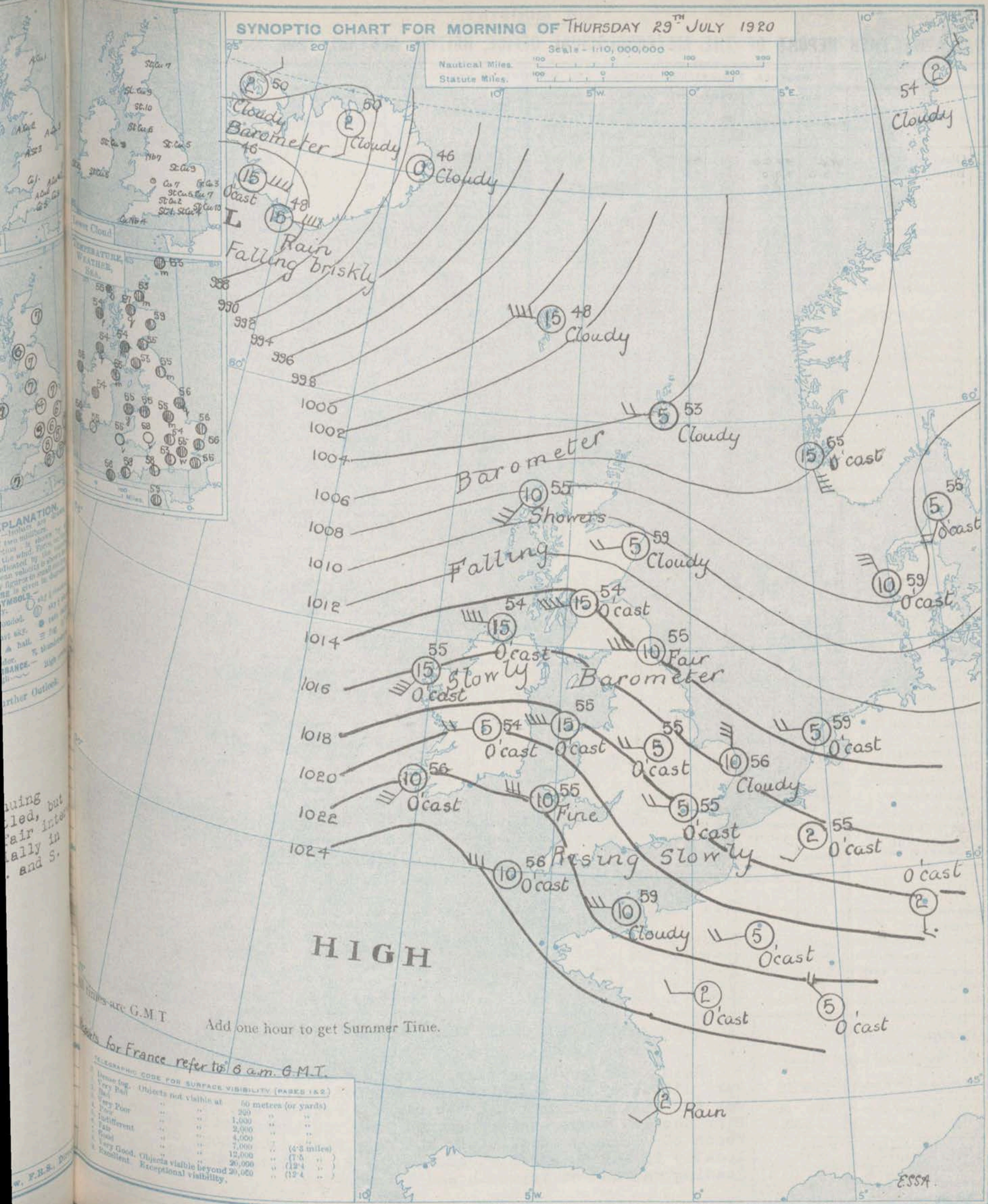
Districts.	Forecasts for the 24 hours commencing 15h.G.M.T. Thursday 29th July 1920.
1. S.E. England	Wind W.to S.W., light to moderate, freshening later. Mainly fair at first, then becoming overcast, with some rain or showers in most places. Visibility good then deteriorating. Temperature rising.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind S. and S.W., light to fresh. Mainly cloudy or overcast, some rain or showers, most in the W. Visibility fair generally. Temperature rising somewhat.
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	

Continuing, but unsettled, with fair intervals especially in the E. and S.

EXPLANATION
 BAROMETER.—Inches and
 tenths of an inch.
 WIND.—Direction is shown by
 flying with the wind. Force in
 0-12 is indicated by the
 feathers. Mean velocity in miles
 per hour by figure in square
 TEMPERATURE.—Inches and
 tenths of an inch.
 WEATHER SYMBOLS.—
 ☁ overcast sky. ☁ sky 1/2 overcast.
 * snow. * hail. * rain.
 T thunder. S squalls.
 SEA DISTURBANCE.—
 Rough. High.

SYNOPTIC CHART FOR MORNING OF THURSDAY 29TH JULY 1920

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



HIGH

Add one hour to get Summer Time.

For France refer to 6 a.m. G.M.T.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)		
Very Poor	Objects not visible at	50 metres (or yards)
1	200	"
2	1,000	"
3	2,000	"
4	4,000	"
5	7,000	"
6	12,000	" (4.3 miles)
7	20,000	" (12.4 ")
8	Exceptional visibility	" (12.4 ")

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 211.

Thursday
29th July 1920

WEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 28th 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.								
Oban ...	ord.	op.c.o.	58	48	5	1	0.6	4.7	Douglas (I.O.M.)	x.	x.	61	49	8	1	0.0	5.5
Banff ...	r.o.c.	Tq.o.	59	48	1	1	0.3	8.4	Blackpool ...	or.o.	o.	60	52	3	2	0.0	10.4
Montrose ...	or.o.c.	o.c.	67	61	2	1	0.6	3.2	Southport ...	or.o.	o.	59	50	3	2	0.0	10.9
St. Andrews ...	bc.	bc.	67	47	2	1	3.7	5.6									
England, N.E.									Midlands.								
Harrogate ...	o.	o.c.	62	46	0.3	0.1	0.6	5.7	Buxton ...	or.	or.	58	47	0.3	3	0.0	5.5
Scarborough ...	o.	or.	58	45	-	3	0.0	6.0	Leamington Spa...	or.	or.	63	49	0.3	1	1.5	9.0
Skegness ...	or.	ord.	60	45	-	1	0.0	8.9	Malvern ...	c.	c.	63	49	0.3	1	1.3	8.1
England, E.									Wales.								
Lowestoft ...	o.c.o.	op.	64	48	-	0.1	0.4	11.7	Rhyl ...	c.	c.	61	49	1	-	0.1	11.3
Felixstowe ...	o.	op.	63	53	-	0.1	1.2	9.2	Colwyn Bay ...	x.	x.	61	52	2	-	0.7	7.9
Southend-on-Sea...	c.o.	ord.	63	48	-	0.4	1.4	5.1	Llandudno ...	x.	x.	61	50	1	0.2	0.7	10.5
England, S.E.									Aberystwyth ...	or.c.	c.bc.	61	52	4	2	4.3	11.7
Tunbridge Wells	o.	o.ord.	59	44	-	1	0.0	1.4	Tenby ...	r.	bc.	64	51	9	2	3.7	11.4
Margate ...	c.	c.ord.	64	49	0.1	1	0.2	7.1	Swansea ...	x.	x.	67	52	4	8	9.4	
Ramsgate ...	x.	x.	65	45	-	-	0.7	5.2	Weymouth ...	c.ord.	d.bc.	68	52	-	3	1.2	13.0
Folkestone ...	op.o.	r.	64	50	0.3	3	0.9	2.9	Teignmouth ...	or.o.	o.bc.	65	52	2	1	1.0	12.4
Hastings ...	c.o.bc.c.	or.	63	49	-	2	0.8	4.0	Torquay ...	or.	or.c.	65	53	3	0.4	1.0	13.6
Eastbourne ...	o.c.o.	or.	62	46	-	3	0.9	4.2	Paignton ...	or.	ord.bc.	65	49	3	1	0.3	12.5
Brighton ...	o.	or. or	60	46	-	3	0.2	4.5	Penzance ...	or.	o.c.	61	53	5	1	0.6	11.4
Worthing ...	or.	or.	60	47	-	2	0.3	4.5	Newquay ...	or.m.	o.bc.	61	52	3	-	1.4	12.8
Littlehampton ...	bc.	r.	?	?	-	3	0.2	6.1	Bude ...	r.de.	o.c.bc.c.	62	51	2	-	2.3	12.0
Portsmouth (S'heea)	x.	x.	59	50	-	2	0.0	7.2	Ilfracombe ...	d.r.	c.bc.	61	52	2	4	2.5	5.7
Bournemouth ...	x.	x.	62	49	1	2	0.7	8.0	Weston-s-Mare ...	r.or.	r.bc.b.	62	52	0.3	2		
Ventnor (I. of W.)	x.	x.	60	50	-	3	0.0	6.5									

SUMMARY FOR 24 HOURS.

STATIONS.	WEATHER.				TEMPERATURE.		RAINFALL.		Sun. Hours.
	7h-13h.	13h-18h.	18h-24h.	24h.	Max. F.	Min. F.	Day. 7h-18h.	Night. 18h-7h.	
Renfrew ...	c. op.	c. ory.	op.	o.f. o.f.	62	51	0.2	-	4.8
Esksdalemuir ...	r. r. ory.	c. o. bc. c.	c. o.	o. o.	58	48	4	0	1.9
Valencia (Cabre'o)	o.f. o.	c. o. c. o.	c. o. o.	o. o.	60	55	-	-	1.5
Baldonnel ...	o.	c. o. c. o.	c. o.	o.	62	51	0.2	6	2.0
Didsbury ...	o.f. pd.	o.f. pd.	o.f.	o.f.	60	52	4.6	0.3	3.8
Ross on Wye ...	o.f. r. o.	o. bc. c. v.	bc. c. o. bc.	bc. c. o. bc.	68	49	4.0	-	3.2
Falmouth ...	r. r. r. f.	o. b. bc.	bc. c. w. v.	bc. c. w.	62	53	6.2	-	1.0
Calshot (Hants.)	or. op.	pd. pd. or.	bc. c. bc. c.	bc. c. bc. c.	61	52	4	0	1.2
Lymington (Folkestone)	o.f. o.	o. r. r. f.	dd. r. f.	o.f. o. f.	61	51	4.4	3	1.2
Aberdeen ...	r. r. r. f.	c. o. o. f.	c. o. o.	c. o. o.	63	51	4	-	2.9
Howden ...	q. r. r.	o. f. o.	q. c. o.	q. c. o.	62	50	4.8	1	0.8
Cranwell (Lincs.)	q. o. r. r. f.	bc. o.	q. c. o.	bc. c. o.	58	51	1	-	0.2
Felixstowe ...	c. op.	r. o. r. f.	pd. c. o.	bc. c. bc.	64	55	4	-	1.2
Shoeburyness ...	c. op. o.	r. o. q. f.	o. c. o.	o. bc. c.	59	46	4.2	4	0.4
Benson ...	o. f. r.	pd. o. f.	bc. c. bc.	bc. c.	58	44	4.1	1	0.4
S. Farnborough ...	o. f. r.	r. r. d. o.	bc. c. bc.	bc. c. ow.	60	52	4.3	3	0.2
London (Kew Obs.)	o. f. r.	o. f. r.	o. f. r.	c. o. bc. c.	58	52	4	-	1.2
Croydon ...	o. f. r.	o. f. r.	o. f. r.	c. o. bc. c.	58	52	4	-	1.2

BEAUFORT NOTATION.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three quarters covered).
d drizzle, or fine rain.
e wet air without rain falling.
f fog. g gloom.
h hail. 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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
r.f. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-0.8
2	4-7	0.8-1.9
3	8-12	1.9-3.3
4	13-18	3.3-5.0
5	19-24	5.0-6.7
6	25-31	6.7-8.5
7	32-38	8.5-10.7
8	39-46	10.7-12.8
9	47-54	12.8-15.0
10	55-63	15.0-17.7
11	64-75	17.7-20.8
12	Above 75	20.8 or above

SYMBOLS.

Aurora ☄ Solar halo ☉
Rime ☃ Lunar halo ☾
Glazed frost ❄ Solar corona ☼
Glazed roads 🌫 Lunar corona ☾

LONDON OBSERVATIONS.

	WEATHER.			TEMPERATURE.		RAINFALL.		HUMIDITY %	
	Morning.	Afternoon.	Night.	Max. F.	Min. F.	Min. on Grass. F.	mm.	10 h. G.M.T.	9 h. G.M.T.
24 HOURS ENDED 9h G.M.T. 29th July									
Greenwich (Royal Observatory)	or. o.	or.	bc. o.	63	53	46	2	0.0	91
City (Banhill Row)	x.	x.	x.	x.	x.	x.	x.	0.0	x.
Westminster (St. James's Park)	o. c. r.	ord. o.	bc.	63	52	45	2	0.0	84
" (Admiralty Arch)	o. m. ord.	o. m.	c. bc.	61	53	x.	2	0.0	95
Camden Sq. (British Rainfall)	o. or.	or. o.	x.	62	51	44	2	x.	90
Kensington Palace	or.	or.	x.	61	52	44	3	x.	94 (18h)
Hampstead Observatory	o.	or.	o.	69	50	x.	2	0.0	x.

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday	YESTERDAY.		TO-DAY.	
	10 h. G.M.T.	9 h. G.M.T.	10 h. G.M.T.	9 h. G.M.T.
Total	8.50	8.50	8.50	8.50
Average Rate.	15.1	15.1	15.1	15.1
Maximum Rate.	40	40	40	40

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

Stations.	29th July 1920.		
	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth...	4.4	11.39	4.49
Greenwich	4.20	12.6	4.39
Wick	4.39	12.18	4.49
Valencia ...	4.59	12.4	4.59

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 2h. 21h. 30m.
to 2h. 2h. 30m.

Stars.	Duration of Exposure.	Duration of Record.	
Polaris	h. m.	h. m.	%
8 Ursae	5 0	1 20	24
Minoris	5 0	0 53	18

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell very generally, but the quantity was not large. Very little bright sunshine was recorded. At a few stations the day was quite sunless, and the highest recorded was 5.4 hours at Birr Castle. Temperature remained low, the thermometer failing to reach 60° in many localities, and only rising to about 65° locally in the S. and S.W. and in the E. of Scotland. The highest reading was 68° at Weymouth and Ross-on-Wye.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. LONDON:

BRITISH SECTION.

No. B.21,435 Friday... 30th July..... 1920.

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

STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Dirce. Force 0-12.	WEATHER.	TEMP. °F.	Humidity. %	Visibility 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-10.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Dirce. Force 0-12.	WEATHER.	TEMP. °F.	Humidity. %	Visibility 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-10.		
12H. G.M.T. OF 29 TH																								
Renfrew	1011.9	-5	SSW	6	55	85	6	750	Str	9	ast	1	1008.7	-2	WSW	5	59	85	8	750	Str	3	cu	6
Edinburgh	1014.2	-2	SW	6	55	75	7	2000	Str	10	-	1010.5	-4	SW	6	54	97	8	750	Nb	10	-	-	
Valencia (Cahire's)	1012.8	-2	SSW	4	60	97	5	750	Str	10	-	1020.1	-2	SW	4	59	97	5	4500	Str	10	-	4	
Baldonnel	1018.0	-3	SW	5	60	85	6	2000	Str	9	ast	1	1015.1	0	WSW	4	60	97	4	4500	Nb	10	-	
Dunbar	1018.0	-1	W	4	62	65	5	4,200	cu	6	ast	3	1015.4	-3	SW	4	63	55	8	3,000	Str	5	cu	
Ross on Wye	1020.4	+1	WSW	3	69	55	9	5,700	cu	3	cu	1	1020.2	-1	SW	4	61	65	8	5,700	Str	4	cu	
Falmouth	1024.1	0	W	3	65	65	8	-	cu	3	-	1023.5	-1	WSW	4	60	75	7	-	Str	9	-		
Calshot (Hants)	1021.1	+1	WNW	2	65	65	8	3,000	cu	7	-	1020.3	-1	SW	4	61	85	8	3,000	cu	3	cu		
Lymington (Falkstone)	1019.5	+3	WNW	4	64	85	7	4,200	Str	4	cu	2	1019.5	0	SW	3	63	75	8	2,000	Nb	1	ast	
Aberdeen	1009.1	-2	S	3	56	97	6	-	Nb	10	-	1008.0	-2	SW	3	61	75	7	-	Str	1	cu		
Howden	1016.5	0	WNW	5	64	55	8	4,200	Str	4	cu	3	1013.8	-4	SW	4	64	65	5	3,000	Str	3	ast	
Cranwell (Lincoln)	1018.2	-0	WNW	4	65	55	5	4,200	Str	4	cu	1	1016.6	-3	SW	3	64	65	6	4,200	Str	4	ast	
Felixstowe	1019.0	+1	WNW	3	65	55	7	4,200	cu	6	cu	1	1018.7	-1	WSW	3	65	65	7	4,200	cu	4	cu	
Shoeburyness	1019.6	+1	WNW	2	63	55	7	4,200	cu	5	cu	2	1019.1	-1	WNW	1	65	55	7	4,200	Str	3	cu	
Benson	1019.5	0	WNW	3	66	65	8	-	cu	5	cu	1	1019.1	-1	WSW	1	64	65	8	-	-	cu	4	
S. Farnborough	1020.4	-0	WNW	2	66	55	8	2,000	Str	5	cu	1	1019.5	-1	W	2	67	65	8	3,000	Str	2	cu	
London (New Ob.)	1020.3	0	WSW	4	64	65	8	3,000	Str	6	-	1019.2	-2	WSW	2	68	55	6	-	-	cu	3		
Croydon	1020.6	+2	WNW	3	64	65	7	3,000	Str	5	cu	2	1019.9	0	W	3	66	65	7	-	-	ast	5	
7H. G.M.T. OF 30 TH																								
Renfrew	1009.1	-1	SSW	2	53	92	7	2,000	Str	10	-	1007.0	0	SW	1	58	85	6	1,200	Str	9	-		
Edinburgh	1014.8	-7	WSW	5	58	88	5	-	-	-	-	1008.1	0	WSW	4	59	85	7	2,000	Str	10	-		
Baldonnel	1012.6	-3	W	6	57	97	5	4,000	Str	10	-	1013.7	0	WSW	3	57	97	4	4500	Str	10	-		
Dunbar	-	-	-	-	-	-	-	-	-	-	-	1011.0	-2	WSW	4	58	85	4	1,200	Nb	8	ast		
Ross on Wye	-	-	-	-	-	-	-	-	-	-	-	1010.4	-2	WSW	4	59	97	6	1,200	Nb	9	ast		
Falmouth	1020.4	-4	WSW	5	57	97	4	-	Nb	4	-	1017.3	-2	SW	4	57	97	2	-	Nb	10	-		
Calshot (Hants)	1018.6	-3	WSW	3	57	92	8	2,000	Str	10	-	1016.4	-2	WSW	4	60	97	7	4500	Str	10	-		
Lymington (Falkstone)	1017.5	-4	SSW	3	54	97	6	-	-	ast	8	1015.3	-1	WSW	4	57	97	6	4500	Str	10	-		
Aberdeen	-	-	-	-	-	-	-	-	-	-	-	1008.9	-1	SW	2	56	75	7	-	Str	8	-		
Howden	1011.7	-3	WSW	4	57	92	7	3,000	Str	9	ast	1	1010.4	0	SW	2	57	85	6	3,000	Str	8	ast	
Cranwell (Lincoln)	1015.1	-2	WSW	4	58	85	5	2,000	Nb	10	-	1012.6	-1	W	2	57	97	5	2,000	Nb	10	-		
Felixstowe	-	-	-	-	-	-	-	-	-	-	-	1014.3	0	WSW	3	57	97	4	1,200	Nb	10	-		
Shoeburyness	-	-	-	-	-	-	-	-	-	-	-	1014.4	-1	WSW	5	61	85	6	2,000	Str	9	ast		
Benson	-	-	-	-	-	-	-	-	-	-	-	1015.6	-2	WSW	3	61	92	6	-	Nb	10	-		
S. Farnborough	-	-	-	-	-	-	-	-	-	-	-	1015.1	-2	SW	3	60	92	6	2,000	Nb	10	-		
London (M.O. at 1st)	1016.7	-2	-	-	57	85	6	2,000	Str	10	-	1014.7	-2	SSW	3	61	85	6	1,200	Str	6	ast		
Croydon	1017.6	-3	W	3	56	85	6	2,000	Str	10	-	1015.5	-2	WSW	3	60	92	6	750	Nb	8	ast		

STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		Weather.	SARONETER.		TEMPERATURE.		WIND.		Dirce. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.	
			Dirce.	Force 0-12.		Temp. °F.	Change in 24 hours.	Dirce.	Force 0-12.	Max. °F.	Min. °F.					Morning.	Afternoon.	Night.				
18H. G.M.T. of 29 TH						7H. G.M.T. of 30 TH						24 HOURS ENDED 7H. 30 TH										29 TH
Lerwick	1000.7	53	S	4	5t.	998.5	0	54	71	SW	4	SW	om	3	2	56	50	om.	fr.	omp	4	
Stornoway	1002.6	57	WSW	6	cu/	1000.8	1	54	-1	WSW	3	-	cu/	2	10	60	51	or.	o. cu/	exp	1.0	
Castell Bay (Barrals)	1006.5	54	WSW	4	op	1004.5	0	68	41	W	4	-	0	4	3	57	51	oprd	d. op	op. o	0.7	
Malm Head	1009.1	57	W	5	0	1007.2	0	61	-3	W	4	S	op	5	9	59	50	cu/r.	cu/p.	exp. o	0.4	
Blackod Point	1012.4	58	WSW	3	om	1011.8	-1	65	0	W	3	-	0	3	1	60	57	om.	c. omp	om. om	-	
Roche's Point	1020.0	62	WSW	3	0	1013.8	-2	59	44	W	2	W	C	2	2	64	55	b. o.	o. c. o	op. c	-	
Barr Castle	1016.2	60	W	3	p	1011.8	-	56	42	SW	1	-	0	5	5	61	53	c.	odr	odr. o	1.1	
Dunghadree	1013.1	61	W	2	T	1009.9	-1	54	-1	W	2	-	omp	2	2	62	48	cu/.	omr.	ompq	-	
Liverpool (Bristol)	1016.0	57	SW	3	0	1011.2	-1	56	41	W	4	SW	0	4	5	65	56	c.	0	op.	7.2	
Pembroke (St. Ann's)	1015.4	57	SSW	5	opq/m	1011.2	-2	56	41	SW	2	-	or	2	8	60	54	c. bc. c	cu/g	om. op	4.5	
Scilly (St. Mary's)	1020.5	57	WSW	5	om	1013.9	-3	57	42	WSW	4	-	op	5	2	58	55	bv. bc v	bc cu/	op	8.2	
Jersey (St. Aubin)	1023.8	58	WSW	4	0	1016.0	-3	58	42	WSW	4	-	fe	5	0.3	64	57	bc. c.	c. o	fe	4.5	
Portland Bill	1023.9	62	WNW	4	b	1020.7	-1	58	-1	WSW	4	-	adm	3	Trace	66	56	c. b	b.	c. adm	12.5	
Dunghadree	1021.4	60	WSW	5	bc	1016.4	-4	60	41	WSW	6	-	0	5	-	63	55	b.	b. bc.	c. o	-	
Wick	1019.4	62	SW	3	C	1015.5	-1	60	45	SW	5	-	0	5	-	60	54	c. bc	bc	bc. c. o	-	
Nairn	1001.2	60	W	2	bc	1000.3	0	54	41	WSW	2	-	c	2	5	62	50	omp.	omp bc	bc. c	-	
Leith	1003.2	65	WSW	3	bc	1002.5	-	51	-6	SW	1	-	C	1	1	66	60	prgc	q. bc	epc	4.7	
Lynmouth	1004.4	60	SW	3	0	1005.7	0	56	41	SW	2	W	C	2	4	62	58	mc. or. o	or. ag. o	cu. c. om	-	
South Head	1011.4	59	W	4	omp	1008.1	9	56	46	W	2	-	em	2	1	65	53	bc m	omp/p	ompom	-	
Yarmouth (New)	1014.9	62	SSW	2	bc	1010.7	-2	59	48	W	3	-	com	3	1	66	54	bc. z	bc	op. cgm	-	
Clacton-on-Sea	1017.0	65	W	3	C	1013.5	-1	57	41	WSW	2	-	omr	1	4	64	56	c.	c.	c. omr	4.8	
Nottingham	1015.6	66	WSW	3	C	1014.1	0	60	43	SW	3	-	0	2	0.4	67	56	c. bc. c	c. bc. cu/	c. exp	6.5	
	1016.0	65	SW	2	C	1011.7	-	60	45	SW	2	SW	om	4	2	69	55	c. e	c. o	c. op	6.0	

* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

‡ For code see page 3

Temperature reported from Coastal and Cross Channel Steamers.

[illegible]

Secondaries from a depression north of the Farøe will bring some rain during the next 24 hours. Afterwards it will probably be fairer temporarily, but indications are not favourable for settled fair weather. Winds will continue westerly.

Visibility	EXPLANATION.
BAROMETER. —Inches.	Pressure.
Intervals of two millibars.	
WIND. —Direction.	Direction of the wind.
Force.	Force of the wind.
0-32, is indicated by the number.	
feathers. Mean velocity by the number.	
per hour by figures in small circles.	
TEMPERATURE is given in degrees.	
WEATHER SYMBOLS.	
clear sky.	
sky $\frac{1}{2}$ clouded.	
overcast sky.	
* snow. * hail.	
T thunder.	
SEA DISTURBANCE. —	
Rough.	
Further Outlook.	

SEA DIST. Rough

Further Outlook

Fairer temporary
with westerly
winds, but
settled fair
weather unlike

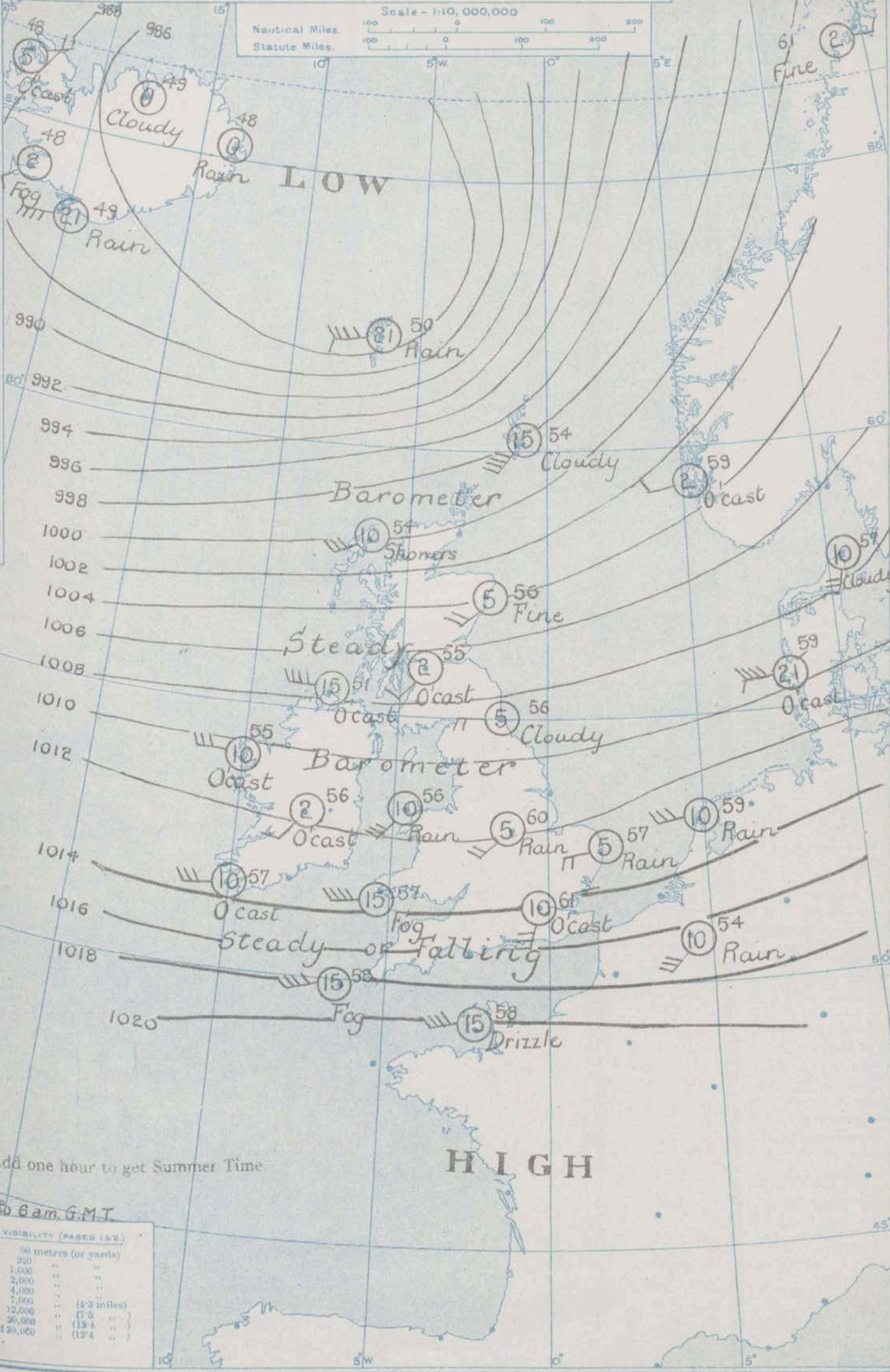
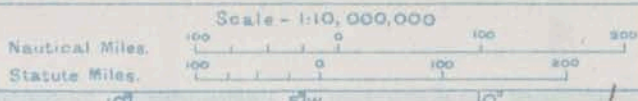
Reports for the

TELEGRAPHIC

1. Dense fog.
2. Very bad.
3. Bad.
4. Very poor.
5. Poor.
6. Indifferent.
7. Fair.
8. Good.
9. Very good.
10. Excellent.

F.R.S. D. 100

SYNOPTIC CHART FOR MORNING OF FRIDAY 30th JULY 1920



PLANATION.
Isobars are lines of equal pressure. Two millibars (two millibars) is shown by a line. The wind is shown by the direction of the arrow. The force of the wind is shown by the number of the arrow. The number of the arrow is given in the direction of the arrow.

er temporary
westerly
, but
ed fair
er unlike

Times are G.M.T. Add one hour to get Summer Time

Reports for France refer to 6 a.m. G.M.T.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)	
Visibility	Code
Very Poor	01
Poor	02
Indifferent	03
Fair	04
Good	05
Very Good	06
Excellent	07

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 212.

Friday
30th JulyWEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 29th

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-9h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.
Scotland.									Douglas (I.O.M.)	*	*	58	52	0.3	1	1.2	3.2
Oban ...	od r	cd.	57	53	2	7	0.5	1.2	Blackpool ...	o.c.	cu.	62	52	3	-	3.0	0.0
Banff ...	c. of.	to c. bc	64	52	0.1	6	2.3	0.4	Southport ...	c. bc. c	c. o	63	54	-	-	4.5	0.0
Montrose ...	bc. o.	or.	62	53	-	2	2.1	2.7									
St. Andrews ...	o.	p.	64	49	-	2	1.6	4.7									
England, N.E.									England, N.W.								
Harrogate ...	b. bc	bc c	62	49	-	-	5.3	2.9	Buxton ...	bc. c. bc	bc. bc. b	67	45	2	-	6.5	1.5
Scarborough ...	b.	b.	72	47	-	-	5.1	0.7	Leamington Spa...	c. b.	c. b.	69	51	-	-	5.8	1.9
Skegness ...	o. bc. b	bc. b	68	52	-	-	7.3	0.0	Malvern ...	c. bc.	bc.	68	52	-	-	9.6	1.9
England, E.									Wales.								
Lowestoft ...	o. c. b.	bc	67	53	-	-	4.7	0.4	Bath ...	b. bc. c	bc. b	66	50	-	-	7.6	0.1
Felixstowe ...	bc	bc	67	54	0.1	-	7.3	1.2	Rhyl ...	bc.	bc	63	54	-	-	6.3	0.7
Southend-on-Sea...	o. c. bc	bc	69	52	-	-	6.8	1.4	Colwyn Bay ...	*	*	65	54	-	-	5.4	0.2
England, S.E.									Llandudno ...	*	*	66	54	-	-	8.0	0.7
Tunbridge Wells	b. bc.	bc. b	69	50	1	-	9.1	0.0	Aberystwyth ...	c. b.	bc. o	61	55	-	-	9.3	4.8
Margate ...	b. bc. c	bc. bc.	66	54	-	-	6.8	0.2	Tenby ...	bc	bc	62	49	-	-	7.5	6.4
Ramsgate ...	*	*	-	-	-	-	7.0	0.7	Swansea ...	*	*	64	51	-	-	11.5	2.7
Folkestone ...	bc.	bc.	67	50	-	-	7.6	0.9	Weymouth ...	bc.	bc	70	52	-	-	10.5	3.6
Hastings ...	c. bc. b.	bc. bc. bc	68	53	2	-	8.5	0.8	Teignmouth ...	b.	b. bc	71	58	-	-	10.5	2.8
Eastbourne ...	bc	bc	68	54	3	-	10.1	0.9	Torquay ...	b. bc. b	by.	71	52	-	-	10.5	2.6
Brighton ...	bc	bc	68	52	0.4	-	9.6	0.2	Paignton ...	bc.	b. bc	73	50	-	-	10.0	2.0
Worthing ...	b. bc	bc	66	52	1	-	12.0	0.3	Penzance ...	bc.	bc. c	65	52	-	-	9.0	2.6
Littlehampton ...	bc.	bc.	68	61	2	-	9.6	0.2	Newquay ...	bc.	bc. c	62	56	-	-	9.2	2.7
Portsmouth (S. Sea)	*	*	69	52	-	-	11.3	0.6	Bude ...	bc. b	b. bc. c. o	64	56	-	-	9.3	4.2
Bournemouth ...	*	*	70	52	2	-	11.5	1.2	Ilfracombe ...	b. bc.	bc. c. o	61	54	-	-	11.3	4.1
Ventnor (I. of W.)	*	*	65	52	0.3	-	11.5	0.0	Weston-s-Mare ...	b. bc. b	b. bc	64	52	-	-	-	-

SUMMARY FOR THE 24 HOURS.

STATIONS.	WEATHER.		TEMP.		RAINFALL.		SUN.	
	7h-18h	18h-24h	Max. F.	Min. F.	Day. 7h-18h	Night. 18h-24h	Hours	Hours
Renfrew ...	P. o. v.	o. c. o. v.	59	52	0.1	0.1	0.6	0.6
Eskdalemuir ...	to c. o.	bc. c. o.	56	50	0.0	0.0	0.3	0.3
Valencia (Cahire'n)	pd. o. v.	pd. o. v.	61	55	0.0	0.0	0.0	0.0
Baldonnel ...	c. o. v.	o. v.	-	-	-	-	-	-
Didsbury ...	o. c. o. v.	o. c. o. v.	68	54	0.0	0.0	0.0	0.0
Ross-on-Wye ...	b. bc. bc. v.	b. bc. bc. c.	64	54	0.0	0.0	0.0	0.0
Falmouth ...	b. bc.	b. bc. b. bc.	64	54	0.0	0.0	0.0	0.0
Calshot (Hants) ...	b. bc. bc. c.	b. bc. bc. c.	69	56	0.0	0.0	0.0	0.0
Lymington (Folkestone)	bc. o. v.	b. bc. v.	60	53	0.0	0.0	0.0	0.0
Aberdeen ...	c. o. v.	bc. bc. bc.	60	51	0.0	0.0	0.0	0.0
Howden ...	q. bc. c.	q. z.	66	56	0.0	0.0	0.0	0.0
Cranwell (Lines) ...	c. bc. c.	c. o.	68	55	0.0	0.0	0.0	0.0
Felixstowe ...	b. bc. c.	bc. bc. bc.	68	54	0.0	0.0	0.0	0.0
Shoeburyness ...	c. o. c.	c. o. bc.	68	54	0.0	0.0	0.0	0.0
Benson ...	*	b. bc. bc.	70	54	0.0	0.0	0.0	0.0
S. Farnborough ...	bc. c.	bc. c. o.	71	52	0.0	0.0	0.0	0.0
London (New Obey) ...	c. o. bc. c.	bc. bc. c.	69	55	0.0	0.0	0.0	0.0
Croydon ...	c. o. v.	bc. bc. bc.	68	56	0.0	0.0	0.0	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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
r.f. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 30 feet above ground	
	Sea state miles per hour.	Meters per second.
0	Less than 1	Less than 0.4
1	1-3	0.4-1.3
2	4-7	1.3-2.4
3	8-12	2.4-3.7
4	13-19	3.7-5.0
5	20-24	5.0-6.7
6	25-31	6.7-8.6
7	32-38	8.6-10.7
8	39-46	10.7-12.8
9	47-53	12.8-14.8
10	54-60	14.8-16.8
11	61-67	16.8-18.8
12	Above 78	18.8 or above

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. in.	Sun- shine to Sunset, Hours.	HUMIDITY %	
	Morning.	Afternoon.	Night.				mm.		15 h. G.M.T.	9 h. G.M.T.
	24 HOURS ENDED 9H G.M.T. 30th....								YESTERDAY.	TODAY.
Greenwich (Royal Observatory)	c. o.	c.	o. of	71	56	52	-	7.9	54	84
City (Banhill Row)	"	"	"	"	"	"	"	7.6	"	"
Westminster (St. James's Park)	o. bc.	bc	o. of. o.	69	54	52	0.2	8.0	53	83
" (Admiralty Arch)	bc. bc.	bcv	bc. c. o.	72	54	"	0.1	7.9	60	82
Camden Sq. (British Rainfall)	bc. c	bc. b	"	72	56	54	-	"	55	85
Kensington Palace	bc	bc	"	69	54	54	0.2	"	61 (18h)	85
Hampstead Observatory ...	bc	bc	"	67	54	52	Trace	8.3	"	87

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	HOURS.	
	15 h. G.M.T.	9 h. G.M.T.
Total	174.5	105
Average Rate.	11.2	85
Maximum Rate.	85	87

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

Stations.	30 th & 31 st July 1920.	
	Sunrise G.M.T.	Noon G.M.T.
Yarmouth	4.9	11.9
Greenwich	4.10	12.0
Wick	4.23	12.13
Valencia	4.39	12.49

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

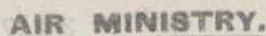
Minoris at Greenwich Observatory.

Exposure from 22nd 21. h. 39 m.
to 30th 21. h. 39 m.

Stars.	Duration of Exposure.	Duration of Record.
Polaris	5" 0	1 48 36
8 Ursae Minoris	5" 0	1 28 29

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell in most places, 19 mm at Valencia, 12 at Didsbury and 10 at Eskdale and Stornoway. The temperature was higher than of late, reaching 73° at Paignton and 72° at Scarborough and Ross-on-Wye. There was not much sunshine in Ireland or Scotland, but in England records were nearly everywhere good.



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§ For code see page 3.

Temperature reported from Coastal and Cross Channel Steamers.

9h G.M.T.

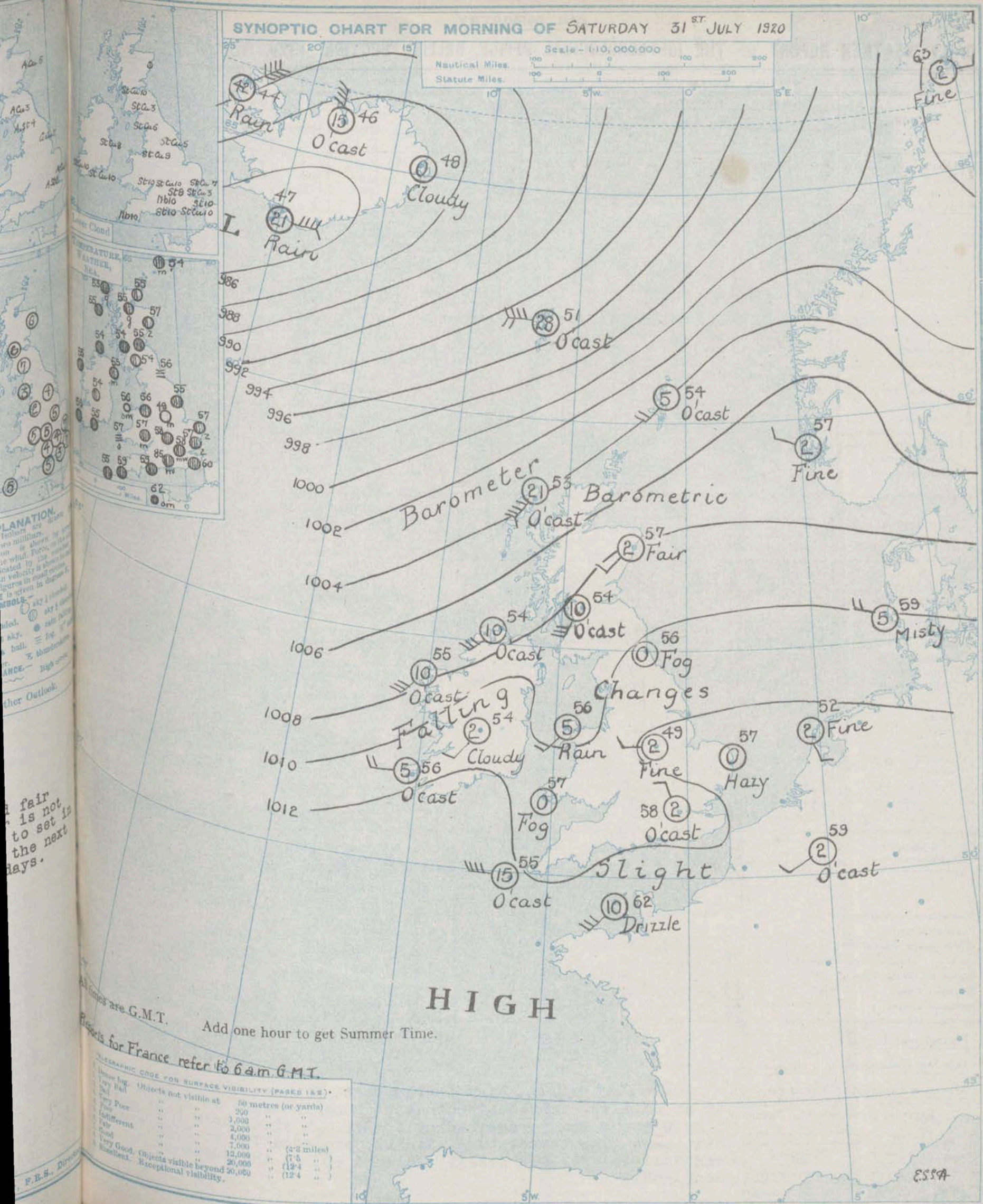
Visibility	EXPLANATION.
BAROMETER.	— barometer are given
Intercept	of two millibars
WIND.	— direction
blowing	with the wind. Force
0-10	is indicated by a number
feathers.	Mean velocity is shown by
per hour	by figures in square
TEMPERATURE.	— is given in degrees
WEATHER SYMBOLS.	
clear sky.	sky 1 clouded.
overcast sky.	rain 4
* snow. ▲ hail.	3 4
T thunder.	7 thunder
SEA DISTURBANCE.	light
Rough	

Settled fair weather is not likely to set in within the next three days.

SYNOPTIC CHART FOR MORNING OF SATURDAY 31ST JULY 1920

Scale = 1:10,000,000

Nautical Miles
Statute Miles.



HIGH

Add one hour to get Summer Time.

France refer to 6 a.m. G.M.T.

FOR SURFACE VISIBILITY (PAGES 1 & 2)			
Objects not visible at			
Very Poor	"	50	metres (or yards)
Poor	"	200	" "
Different	"	1,000	" "
Fair	"	2,000	" "
Good	"	4,000	" "
Very Good	"	7,000	" "
Excellent	"	12,000	" (2 1/2 miles)
		20,000	" (7 1/2 ")
		30,000	" (12 1/2 ")
		40,000	" (12 1/2 ")

Objects visible beyond 50,000
Exceptional visibility.

F. B. I.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 213.

Saturday
31st July

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

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h. 29th-30th. Data.	Day. 9h-17h. 30th. Data.	to 17h. 30th. Data.	Sunrise to Sun- set. 29th-30th.			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h. 30th-31st. Data.	Day. 9h-17h. 31st. Data.	to 17h. 31st. Data.	Sunrise to Sun- set. 30th-31st.
Scotland.	Oban	To	cp o	57	51	2	0.3	0.8	0.7	England, N.W.	Douglas (I.O.M.)	x.	x.	63	54	4	-	4.0	1.2
	Banff	bc. c	bc. c.	64	54	-	-	8.0	3.3		Blackpool	To	c.	63	57	4	-	4.3	3.0
	Montrose	bc	bc	65	52	-	-	8.8	2.1		Southport	op c o c	c. bc. b.	62	56	5	-	5.8	4.5
	St. Andrews	bc.	bc.	64	51	-	-	7.4	2.7										
England, N.E.	Harrogate	c. bc.	b. bc. o.	64	54	1	-	4.4	5.3	Midlands.	Buxton	c. bc.	bc. bc. b	64	54	11	-	2.4	6.6
	Scarborough	b	b	72	47	1	-	4.8	5.1		Leamington Spa... ..	od.	od.	68	55	3	1	0.5	7.0
	Skegness	or.	bc. b. bc	68	55	2	1	5.7	8.4		Malvern	r	p.	67	56	6	2	0.0	9.8
England, E.	Lowestoft	or.	o. c. o.	68	56	11	1	1.2	5.0	Wales.	Bath	or.	To.	64	57	3	6	0.0	10.5
	Felixstowe	or.	c.	65	61	1	5	0.3	7.9		Rhyl	bc. c.	bc. c.	62	56	7	-	1.1	7.6
	Southend-on-Sea... ..	or.	or. d	64	56	0.4	6	0.0	7.2		Colwyn Bay	x	x	63	56	8	-	2.0	6.4
England, S.E.	Tunbridge Wells	o. or.	od.	63	55	-	4	0.0	9.7	Wales.	Llandudno	x	x	62	56	5	-	1.6	5.4
	Margate	or.	or.	65	57	0.3	3	0.0	7.4		Aberystwyth	or.	c. b	62	57	19	-	2.4	9.3
	Ramsgate	x	x	65	52	1	4	0.5	8.2		Tenby	rm.	bc	65	57	5	8	0.7	7.5
	Folkestone	or. o.	or. o.	65	58	-	2	0.0	9.0		Swansea	x	x	66	57	12	4	0.0	12.2
	Hastings	om. od.	to. od. d	61	57	-	1	0.0	9.6	England, S.W.	Weymouth	op o.	op. bc.	63	56	-	-	0.0	11.5
	Eastbourne	or.	To.	61	58	-	2	0.0	11.0		Teignmouth	o.	o.	68	58	-	1	0.0	11.7
	Brighton	or.	or. o.	62	59	-	1	0.0	11.2		Torquay	omd.	omr.	63	59	-	2	0.0	11.6
	Worthing	o.	or. o	61	57	-	1	0.5	12.5		Paignton	oddy.	od.	62	56	-	11	0.0	10.0
	Littlehampton	d. c.	op. c.	63	55	0.1	-	0.0	11.6		Penzance	odfr.	or	61	57	1	10	0.0	9.3
	Portsmouth (S. base)	or.	or.	62	57	-	1	0.0	12.7		Newquay	of. or.	or. m. od.	59	56	0.4	2	0.0	9.2
	Bournemouth	x	x	60	55	-	2	0.0	12.9		Bude	d	d.	60	55	1	3	0.0	9.3
	Ventnor (I. of W.)	x	x	65	56	-	trace	0.0	13.1		Ilfracombe	dm	m	61	58	2	8	0.3	11.5
											Weston-s-Mare	r	rc	64	58	1	8	-	8.5

SCALE OF

SUMMERS FOR LAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sun.	
	7h-13h.	13h-19h.	Max.	Min.	Night.	Day.	Sun.	Sun.
Renfrew	o. d. o.	or.	62	51	51	51	6.5	6.5
Eskdalemuir	o. d. o.	or.	61	49	46	46	6.5	6.5
Valencia (Cahire's)	o. d. o.	or.	60	53	52	52	2.1	2.1
Baldonnel	o. d. o.	or.	60	53	52	52	2.1	2.1
Didsbury	o. d. o.	or.	60	53	52	52	2.1	2.1
Ross on Wye	o. d. o.	or.	60	53	52	52	2.1	2.1
Falmouth	o. d. o.	or.	60	53	52	52	2.1	2.1
Calshot (Hants)	o. d. o.	or.	60	53	52	52	2.1	2.1
Lymington (Folkestone)	o. d. o.	or.	60	53	52	52	2.1	2.1
Aberdeen	o. d. o.	or.	60	53	52	52	2.1	2.1
Howden	o. d. o.	or.	60	53	52	52	2.1	2.1
Cranwell (Lines)	o. d. o.	or.	60	53	52	52	2.1	2.1
Felixstowe	o. d. o.	or.	60	53	52	52	2.1	2.1
Shoeburyness	o. d. o.	or.	60	53	52	52	2.1	2.1
Benson	o. d. o.	or.	60	53	52	52	2.1	2.1
S. Farnborough	o. d. o.	or.	60	53	52	52	2.1	2.1
London (Kew Obs.)	o. d. o.	or.	60	53	52	52	2.1	2.1
Croydon	o. d. o.	or.	60	53	52	52	2.1	2.1

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. 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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
r.f. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-0.8
2	4-7	0.8-1.9
3	8-12	1.9-3.3
4	13-18	3.3-5.0
5	19-24	5.0-6.7
6	25-31	6.7-8.5
7	32-38	8.5-10.7
8	39-46	10.7-12.8
9	47-54	12.8-15.0
10	55-63	15.0-17.7
11	64-75	17.7-20.8
12	Above 75	20.8 or above

SYMBOLS.

Aurora ☄ Solar halo ☉
Rime ☃ Lunar halo ☾
Glazed frost ❄ Solar corona ☉
Glazed roads 🌫 Lunar corona ☾

LONDON OBSERVATIONS.

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sun.	
	Morning.	Afternoon.	Max.	Min.	Night.	Day.	Sun.	Sun.
Greenwich (Royal Observatory)	or	ro	64	54	51	5	0.4	95
City (Bunhill Row)	x	x	64	54	51	5	0.4	95
Westminster (St. James's Park)	ro	o	66	58	49	8	0.5	91
" (Admiralty Arch)	omd. or.	omr. c	64	58	5	9	0.7	90
Camden Sq. (British Rainfall)	or	or. o	64	54	50	15	x	92
Kensington Palace	or	or	64	55	50	9	x	90
Hampstead Observatory	c. bc.	or. o. bc	64	54	53	4	0.5	90

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	64.1	70
Average Rate.	12.0	70
Maximum Rate.	48	70

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minors at Greenwich Observatory.

Exposure from 30th 2.1h. to 31st 2.1h.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	5" 0	2" 5	43
8 Ursae	5" 0	0" 53	19
Minors	5" 0	0" 53	19

NOTES ON THE WEATHER OF YESTERDAY.

Rain was fairly heavy in the West, 17 mm at Falmouth and 10 at Scilly. The best records of sunshine were in Scotland, 8 or 9 hours being recorded up to 17h G.M.T. at some East coast stations. The temperature slightly exceeded 70° at Scarborough and Ross-on-Wye, but barely exceeded 60° in the North of Scotland.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.
BRITISH SECTION. CORRECTIONS AND ADDITIONS, JULY 1920.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.	Report for	STATION.	CORRECTION.	Report for	STATION.	CORRECTION.
1st	Renfrew	Bar. 13h 30 ⁵ 1008.3 mb.	7 th	Bude	Sunshine (10h-12h) 3.1 hrs.	14 th	Margate	Sunshine (10h-12h) 5.0 hrs.
"	Holyhead	" 18h 30 ⁵ 1009.9 mb.	8 th	Shoeburyness	Bar. (18h) 1008.5 mb.	"	Torquay	" " 4.9 hrs.
"	Causton	Sunshine 5.6 hrs.	"	Calshot	" (7h) 1004.3 mb.	15 th	Paignton	" " 3.5 hrs.
"	Calshot	Rainfall 7h-18h 20 ⁵ 0.2 mm.	"	Castlebay	Wind (18h) WSW.	"	Lerwick	Max 57°
2 nd	Dunstaffnage	Temp (7h) 52°	"	Blackhead	" Force (18h) 4.	"	Malin	Wind force (7h) 3.
"	Lymington	Weather 18h-1h. cl. o.	"	Scarborough	Rainfall (Day) 2 mm.	"	Blackhead	Min. 50°
"	London (Kew)	Rainfall 7h-18h 1 mm. 18h-7h 6 mm.	"	Margate	" 1 mm.	"	St. Keynes	Sunshine (10h-12h) 7.7 hrs (Sunrise to Sunset) 7.0 hrs.
3 rd	Lymington	Weather (13h) cl.	"	Aberystwyth	Sunshine (Sunrise to Sunset) 6.0 hrs.	"	Margate	" (Sunrise to Sunset) 9.5 hrs.
"	Paignton	Sunshine (10h-12h) 5.0 hrs.	"	Bude	" 3.1 hrs.	"	Eastbourne	" 1.1 hrs.
"	Bude	" (10h-12h) 3.9 hrs.	9 th	Cranwell	Temp. (18h) 50°	"	Torquay	Min. 52°
"	London (Kew)	" 4.6 hrs.	"	Blackhead	Bar. (7h) 1011.7 mb.	"	Paignton	Sunshine (Sunrise to Sunset) 5.7 hrs.
4 th	Pembroke	Bar. (18h) 1016.0 mb.	"	Holyhead	Wind (7h) NE.	"	Renfrew	Min. 49°
"	Nairn	Temp (7h) 49°	"	Wick	Rainfall 0.1 mm.	"	Exdalemuir	Weather (18h & 18h) o.
"	Harrogate	Rainfall (Night) 7 mm.	"	Harrogate	Sunshine (10h-12h) 4.1 hrs.	"	Malin Head	Max 65° Min. 55°
"	Margate	Sunshine (10h-12h) 6.4 hrs.	"	Paignton	" 4.2 hrs.	16 th	Valencia	Bar. (1h) 1011.0 mb.
"	Blackhead	" (Sunrise to Sunset) 9.0 hrs.	"	Bude	" 4.9 hrs.	"	Nottingham	Temp (18h) 65°
"	Malvern	" (10h-12h) 0.9 hrs.	"	Exdalemuir	Weather (18h & 18h) cl. o.	"	St. Keynes	Sunshine (Sunrise to Sunset) 7.7 hrs.
"	Torquay	" (Sunrise to Sunset) 5.3 hrs.	10 th	Aberdeen	Sunshine 0.2 hrs.	"	Paignton	" 7.5 hrs.
"	Paignton	" 5.2 hrs.	"	London (Kew)	Wind Force (13h) 4.	"	Bude	" (10h-12h) 8.0 hrs.
"	Bude	" 4.7 hrs.	"	Malin Head	Min. 49°	"	Exdalemuir	Weather (7h-18h) o. (13h & 18h) op.
5 th	S. Farnborough	" 0.9 hrs.	"	Harrogate	Sunshine (Sunrise to Sunset) 4.3 hrs.	"	Cranwell	Temp (7h) 59°
"	Renfrew	Bar. (13h) 1021.3 mb.	"	St. Keynes	" (10h-12h) 0.4 hrs.	"	Malin Head	Temp (13h) 58°
"	Valencia	Temp (13h) 67°	"	Torquay	" (10h-12h) 2.8 hrs (Sunrise to Sunset) 5.3 hrs.	"	Harrogate	Sunshine (10h-12h) 6.6 hrs.
"	Renfrew	Cloud. (Low) 13h. Am. C.	"	Bude	" 7.8 hrs.	"	Aberystwyth	" 8.3 hrs.
"	London (Kew)	Bar. (18h) 1020.3 mb. Temp (18h) 60°	"	Cranwell	" 5.9 hrs (Sunrise to Sunset) 5.0 hrs.	"	Bude	" 2.8 hrs.
"	Jersey	Change 4.3 hours. +1.	11 th	London (Kew)	Min. 54°	"	Tenby	" (Sunrise to Sunset) 9.5 hrs.
"	Scarborough	Sunshine 2.8 hrs.	"	Rock's Pt.	Wind (7h) SSW.	"	Newquay	Min. 53°
"	Felinstone	Rainfall (Day) 12 mm.	"	Margate	Bar. (18h) 1013.1 mb.	"	Howden	Rainfall (Day) - Sunshine 4.2 hrs.
"	Tunbridge Wells	" (Night) 4 mm.	"	Eastbourne	Sunshine (10h-12h) 7.0 hrs.	"	Kensington Palace	Max 74°
"	Margate	Min. 48°	"	Torquay	Sunshine (Sunrise to Sunset) 7.0 hrs.	18 th	Shoeburyness	Bar. (13h) 1010.0 mb.
"	Torquay	Sunshine (Sunrise to Sunset) 7.9 hrs.	"	Paignton	" 7.0 hrs.	"	Holyhead	Min. 52°
"	Valencia	" (10h-12h) 4.0 hrs.	"	Harrogate	Rainfall (Day) 4 mm.	"	Shorn Head	Rainfall 0.4 mm.
6 th	London (Kew)	Temp 7h 56°	"	Renfrew	Sunshine 3.5 hrs.	"	Harrogate	Sunshine (Sunrise to Sunset) 6.6 hrs.
"	Lerwick	Max 60°	"	Exdalemuir	" 4.2 hrs.	"	Aberystwyth	" 8.3 hrs.
"	Shorn Head	Min. 49°	12 th	Rock's Pt.	Rainfall 9 mm.	"	Bude	" 2.8 hrs.
"	Margate	Rainfall (Night) 4 mm.	"	Shorn Head	" 0.1 mm.	19 th	Cranwell	Bar. (18h) 1018.8 mb.
"	Torquay	Sunshine (Sunrise to Sunset) 4.6 hrs.	"	Exdalemuir	Weather (13h-18h) op. Sunshine 5.2 hrs.	"	London (Kew)	" (18h) 1018.3 mb.
"	Penzance	" (10h-12h) 1.0 hrs.	"	Cranwell	Rainfall (Night) 0.3 mm.	"	Holyhead	Temp (7h) 55°
7 th	Exdalemuir	Weather (13h) c.	"	Shoeburyness	Sunshine 4.6 hrs.	"	Leith	Bar. (18h) 1014.1 mb.
"	Cranwell	Bar. (18h) 1004.3 mb. Wind WNW	13 th	Exdalemuir	Visibility (18h) 6.	"	Shorn Head	" (7h) 1021.2 mb.
"	Exdalemuir	" (1h) 1005.8 mb.	"	Rock's Pt.	Weather (Night) bc. o.	"	Scarborough	Rainfall (Day) 6 mm.
"	Lerwick	" (7h) 1009.0 mb.	"	Dunstaffnage	Rainfall 17 mm.	"	Eastbourne	Sunshine (Sunrise to Sunset) 9.5 hrs.
"	St. Keynes	Sunshine (10h-12h) 0.2 hrs.	"	Wick	" 1 mm.	"	Torquay	" (10h-12h) 7.4 hrs.
"	Aberystwyth	" (10h-12h) 4.2 hrs.	14 th	Eastbourne	" (Night) 8 mm.	"	Penzance	" 8.2 hrs.
			"	Rose-au-Wye	Bar. (7h) 1031.0 mb.	"	Renfrew	Min. 47°
			"	Nottingham	Temp (18h) 61°			
			"	St. Keynes	Sunshine (10h-12h) 6.5 hrs.			

II.—ADDITIONS.

Report for	STATION.	OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 19h.														SUMMARIES FOR PAST 24 HOURS.											
		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather.	TEMP. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL.		Sun. Hours.		
				Direc.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.		7h-13h.	13h-19h.	19h-1h.	1h-7h.				Day, 7h-19h.	Night, 19h-7h.			
1st	Renfrew (7h)	1007.2	-1	NE	3	o/f	54	85	4	4,100	Stcu	3	AG	6	*											9.6	
3rd	Renfrew (7h)	1014.4	+1	NNE	1	o	55	75	7	1,250	St	4	AG	?	*												0.0
4th	Renfrew (13h)	1016.8	+2	NE	4	o	60	65	8	1,250	Stcu	10	-	-	*	o											
5th	Renfrew (7h)	1016.4	-1	NE	1	o/f	51	97	3	-	-	-	AS	10	*												12.4
11th	Calshot (1h)	1018.5	o	SW	3	o/f	58	97	7	750	St	10	-	-	3												
12th	Calshot (13h)	1018.8	+3	SW	5	o	62	75	8	2,000	Stcu	9	-	-	3	CV											
21st	Valencia (13h)	1024.1	o	SW	3	o/f	59	97	6	<500	St	10	-	-	3	dy, foggy											
12th	Coilbury (18h)	1009.2		S	3	c	56																				
25th	Pembroke	1016.0		WNW	3	b	57																				

: The barometric change is expressed in half millibars.