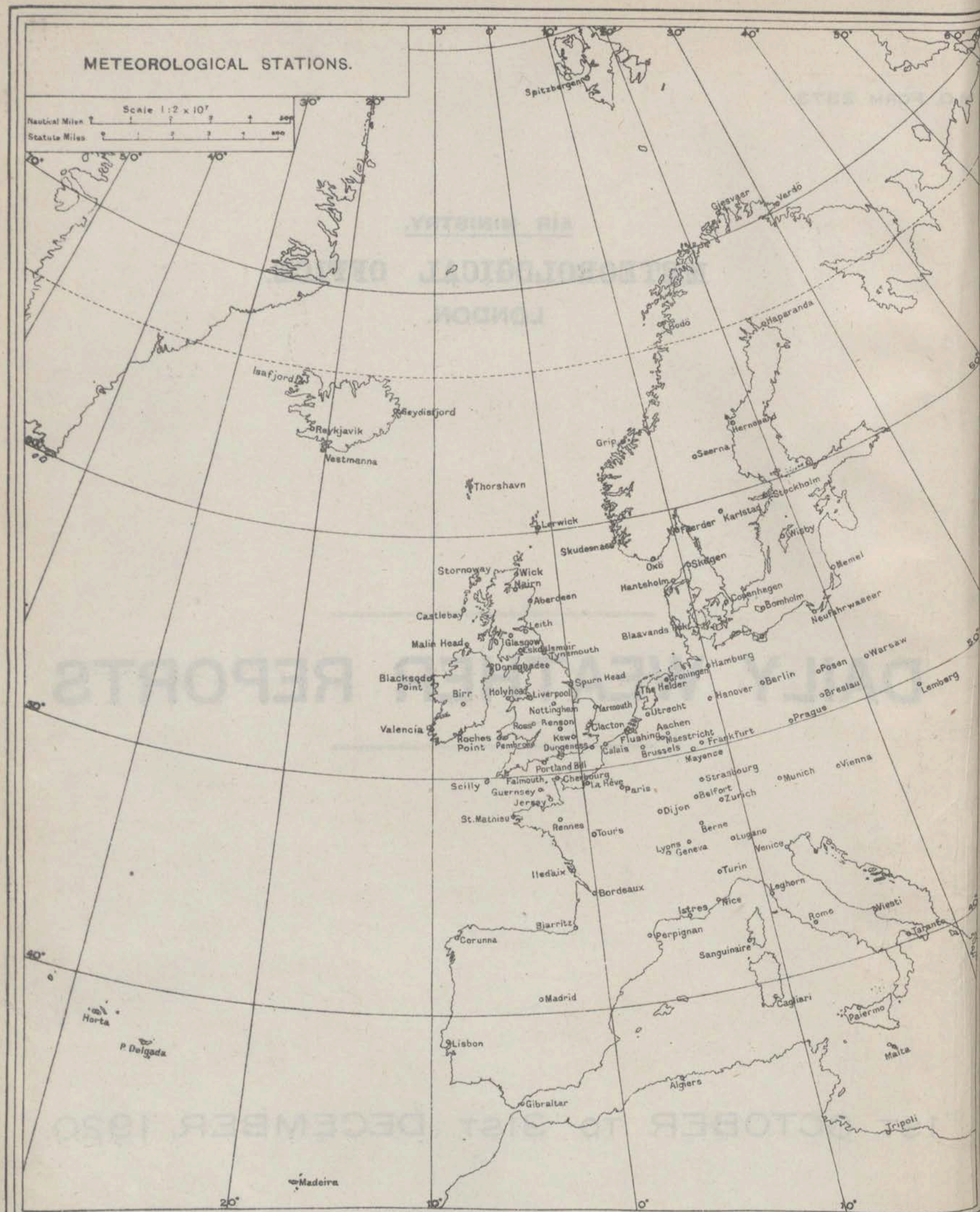
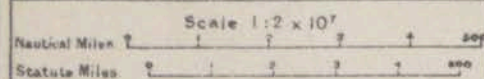


AIR MINISTRY.
METEOROLOGICAL OFFICE.
LONDON.

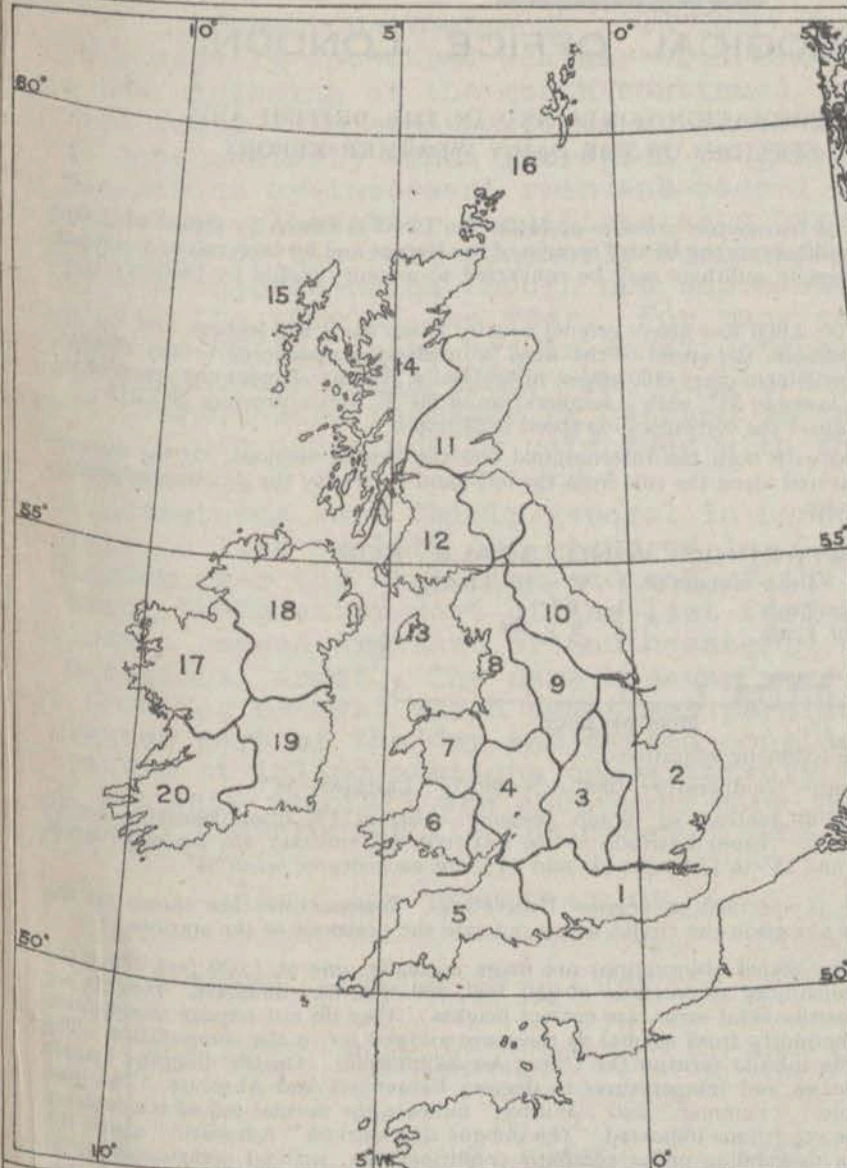
DAILY WEATHER REPORTS

1ST OCTOBER TO 31ST DECEMBER, 1920.

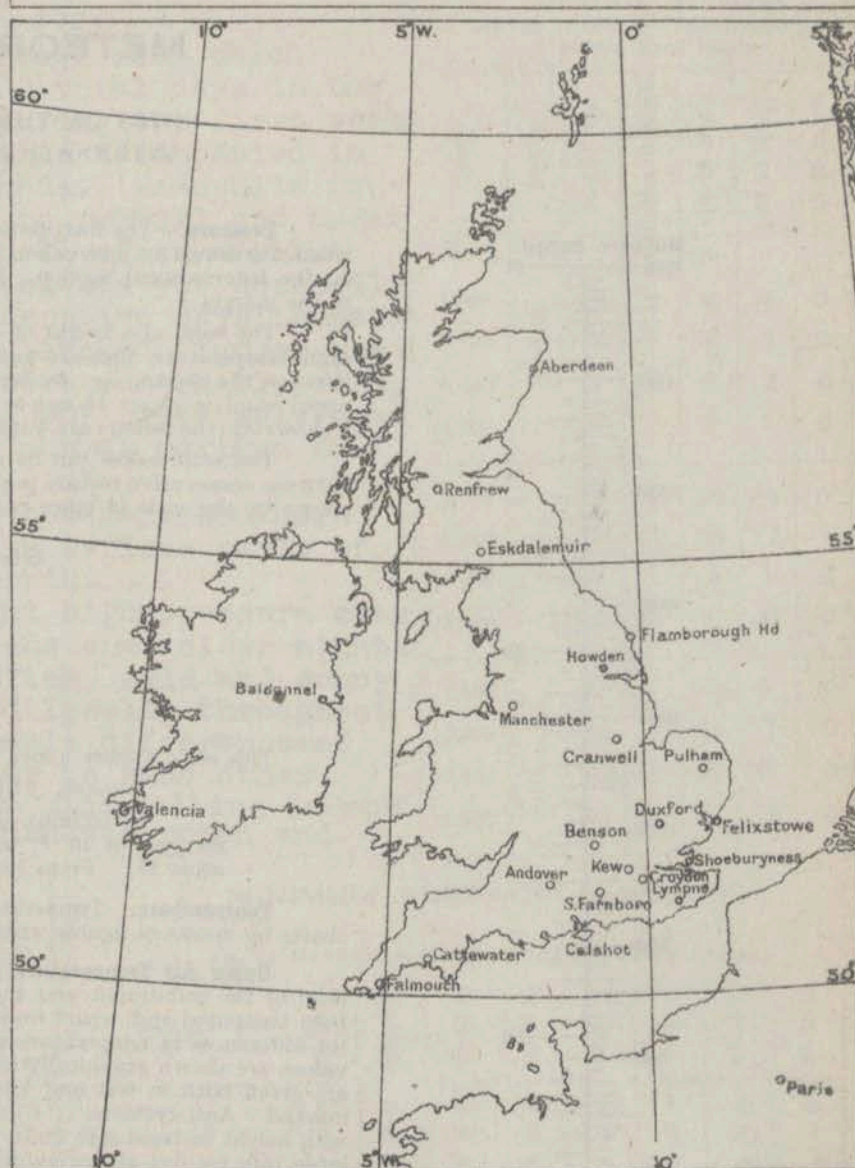
METEOROLOGICAL STATIONS.



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.

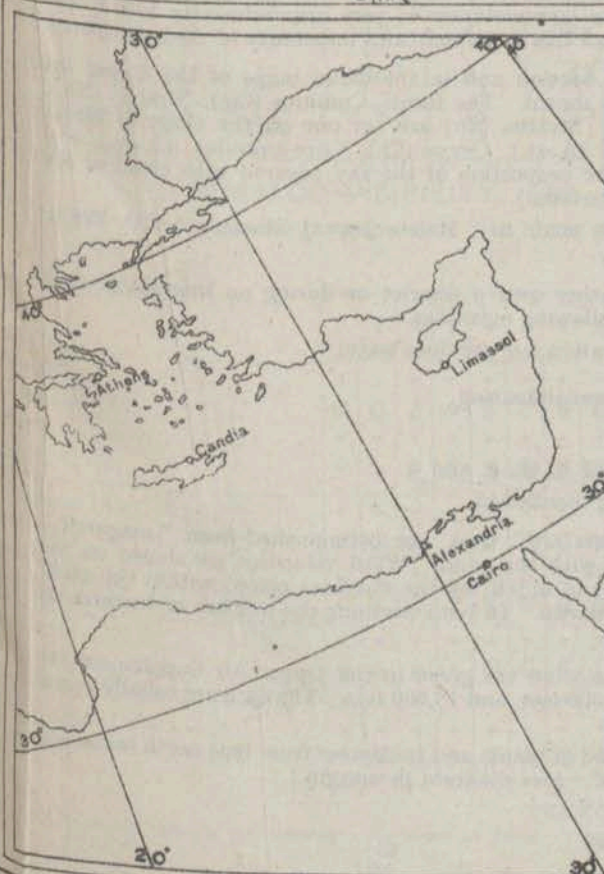
Capital letters indicate intensity, and repetition of letters continuity, thus:—
R=heavy rain. rr=continuous moderate rain. rrr=continuous slight rain.

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.

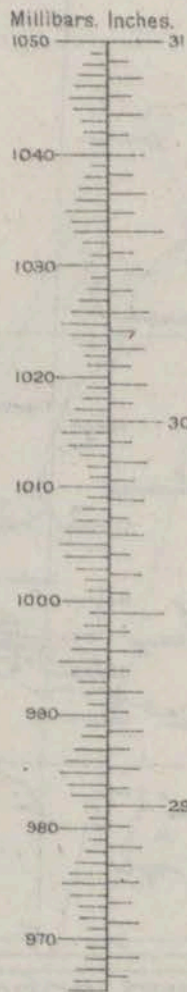
Clear sky	☉	Sky 1/2 cloudy	☉☉
Sky 1/2 cloudy	☉☉	Sky 3/4 cloudy	☉☉☉
Overcast sky	☉☉☉	Rain falling	☉☉☉☉
Snow	❄	Sleet	❄☉
Fog	☁	Hail	☉☉☉☉
Thunder	⚡	Mist	☉☉☉☉☉
Lightning	⚡	Thunderstorm	☉☉☉☉☉☉
Aurora	☄	Gale	☉☉☉☉☉☉
Rime	❄	Solar halo	☉☉☉☉☉☉☉
Glazed frost	❄	Lunar halo	☉☉☉☉☉☉☉☉
Glazed roads	❄	Solar corona	☉☉☉☉☉☉☉☉☉
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



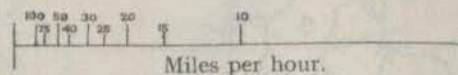
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section. Values in millibars may be converted to mercury inches by the 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 ½ 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 1% 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.

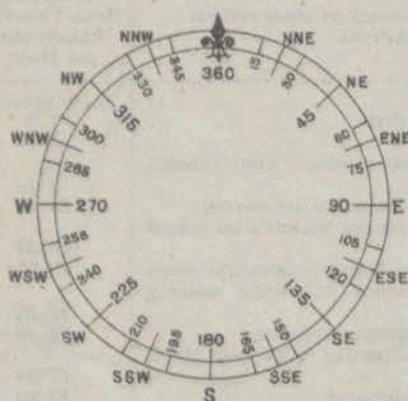
Weather.—In describing the distribution of weather over a district or during an interval of time such as a day, descriptive adjectives are used with the following meanings:—

- 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.)



The marked North end the some the Sou the inf weather unusual ture re qualled minimum of which the per the Th district the Ki Du Scandi with o apart the gre temper In day on rainy

Pressure	Normal Height	Normal
mb.	feet.	
950	1780	
850	4770	
750	8050	
650	11770	

Renfrew
Eskdalemuir
Valencia
Baldonnell
Manchester
Falmouth
Calshot
Lympne
Aberdeen
Craywell
Benson
London (K)
Croydon

0. De
1. Ve
2. Ba
3. Ve

SUPPLEMENT TO THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.
SUMMARY OF METEOROLOGICAL OBSERVATIONS AT SELECTED STATIONS ISSUED ON THE 1st DAY OF EACH MONTH.

Notes on the Weather of OCTOBER, 1920

The generally unsettled weather with heavy local rain which marked the beginning of the month continued for several days in the North and West. In exposed parts of Scotland during the first week-end the Southeasterly winds increased to gale force accompanied in some localities by incessant rain and record floods. Meanwhile in the South-East pleasanter conditions soon began to prevail and under the influence of the warm southerly current a spell of summerlike weather was enjoyed which though not unprecedented was yet decidedly unusual for the time of the year. For many consecutive days temperature rose to 70° or above and, in some instances, touched figures unequalled in October since 1908. The nights too were remarkably warm, minimum thermometers registering between 55° and 60° repeatedly, some of which values occasionally coincided with the normal maximum for the period.

Thunderstorms were fairly general in London and many southern districts on 14th or 15th and occurred locally in various parts of the Kingdom near the beginning and end of the month.

During the greater part of the last fortnight high pressure over Scandinavia caused dry East or Southeasterly winds and colder nights with occasional frost. The days, however, were often mild and sunny apart from fog or mist which sometimes persisted locally throughout the greater part of the day and caused considerable differences of temperature at inland stations comparatively near to each other.

In the West rainfall was abundant: more than 50mm falling in one day on some occasions while the close of the month was rough and rainy generally.

UPPER WINDS.

No. of records of Velocity (m.p.h.) within fixed limits.

Height.	Station.	No. of Obs.	Under 10 m.p.h.	10-25 m.p.h.	25-45 m.p.h.	45-70 m.p.h.	Above 70 m.p.h.
ft.							
2,000	Valencia.	20	7	8	4	0	1
5,000		14	4	8	2	0	0
10,000		8	2	4	2	0	0
15,000		5	1	3	1	0	0
2,000	Lympe.	71	13	39	19	0	0
5,000		37	4	24	7	1	1
10,000		6	2	3	1	0	0
15,000		1	0	1	0	0	0
2,000	Eskdalemuir.	47	13	29	5	0	0
5,000		34	3	24	7	0	0
10,000		22	2	16	4	0	0
15,000		14	1	10	3	0	0

UPPER AIR TEMPERATURE.

Pressure.	Normal Height.	Normal Temperature.	BALDONNEL.		SHOEBURYNNESS.		S. FARNBORO'.		ANDOVER.	
			Mean.	No. of Reports.	Mean.	No. of Reports.	Mean.	No. of Reports.	Mean.	No. of Reports.
mb.	feet.	° F.	° F.		° F.		° F.		° F.	
950	11780	46°	49°	15	55°	4	53°	5	49°	27
850	4770	40°	44°	15	47°	4	47°	5	44°	26
750	8050	31°	36°	15	40°	4	38°	4	35°	27
650	11770	21°	24°	13	-	0	27°	1	24°	26

MINIMUM SURFACE HUMIDITY.

Station.	No. of Days with Minima between Fixed Limits.									
	95-100 %	90-94 %	85 %	70-79 %	60-69 %	50-59 %	40-49 %	30-39 %	20-29 %	
Renfrew ...	2	1	8	11	8	1	0	0	0	
Eskdalemuir ...	0	2	4	3	9	9	2	1	1	
Valencia ...	*	*	*	*	*	*	*	*	*	
Falmouth ...	0	0	7	15	6	3	0	0	0	
Aberdeen ...	0	3	6	7	7	6	0	2	0	
Leith ...	1	5	10	3	6	5	1	0	0	
Benson ...	1	0	4	10	13	2	1	0	0	
London (Kew Obs.)	0	1	3	8	11	8	0	0	0	

SURFACE VISIBILITY. [No. of observations within fixed limits of telegraphic code (see below).]

STATIONS.	1h.										7h.										13h.										18h.									
	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
Renfrew	*	*	*	*	*	*	*	*	*	*	6	1	6	9	2	2	2	3	0	0	0	1	4	7	6	5	4	4	0	0	2	1	3	10	5	4	6	0	0	0
Eskdalemuir	0	0	3	4	3	5	8	6	2	0	0	0	1	1	3	10	8	6	2	0	0	0	0	1	2	10	7	10	1	0	0	0	1	3	11	9	5	2	0	
Valencia	*	*	*	*	*	*	*	*	*	*	0	0	0	0	1	2	5	14	9	0	0	0	0	0	0	2	4	16	9	0	0	0	0	1	3	5	13	9	0	
Baldonnel	3	1	2	5	5	5	5	3	2	0	3	3	0	4	1	4	6	4	6	0	0	0	1	3	5	10	3	5	4	0	1	2	2	9	8	6	1	2	0	
Manchester (Alex. Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	1	1	16	7	3	1	0	2	0	0	7	14	5	3	2	0	0	0
Falmouth	0	0	2	1	0	5	9	11	3	0	0	1	1	1	1	7	12	5	3	0	0	0	3	2	2	3	11	7	3	0	0	0	3	4	6	5	7	3	3	0
Calshot	0	1	1	3	5	3	5	4	9	0	0	0	4	2	5	8	4	4	4	0	0	0	0	1	3	5	10	5	7	0	0	0	0	2	5	5	8	6	5	0
Lympe	0	2	0	2	8	6	6	5	2	0	0	2	2	0	7	11	4	1	4	0	0	0	0	0	0	5	10	6	10	0	0	0	0	2	7	9	8	2	3	0
Aberdeen	*	*	*	*	*	*	*	*	*	*	0	1	7	4	8	4	3	2	2	0	0	1	2	1	5	6	8	5	3	0	0	0	4	5	4	6	8	1	3	0
Cheswell	0	6	0	1	13	6	4	1	0	0	1	6	3	6	4	6	2	2	1	0	0	0	1	0	3	10	8	7	1	1	0	2	0	0	5	15	3	4	2	0
Benson	*	*	*	*	*	*	*	*	*	*	2	2	5	6	3	7	5	1	0	0	0	1	2	4	13	3	3	2	3	0	1	0	2	9	6	6	2	2	3	0
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*	7	1	6	4	7	4	0	0	2	0	1	1	0	2	8	12	3	0	3	1	1	0	2	11	5	8	2	1	1	0
Croydon	1	2	1	1	9	3	9	4	0	0	0	6	3	3	8	2	7	2	0	0	0	0	0	2	1	6	11	7	4	0	0	1	4	10	6	6	4	0	0	

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0. Dense fog. Objects not visible at 50 metres (or yards).	4. Poor. Objects not visible at 4,000 metres (or yards).	7. Good. Objects not visible at 20,000 metres (12½ miles).
1. Very Bad. " " 200 " " "	5. Indifferent. " " 7,000 " (4½ miles).	8. Very Good. Objects visible beyond 20,000 " (12½ ")
2. Bad. " " 1,000 " " "	6. Fair. " " 12,000 " (7½ ")	9. Excellent. Exceptional visibility.
3. Very Poor. " " 2,000 " " "		

SUMMARY OF RECORDS OF TEMPERATURE, SUNSHINE AND RAINFALL, OCTOBER, 1920

Equivalent of Temperature. A°. F°.		TEMPERATURE.						SUNSHINE.				RAINFALL.						Days with Thunder.	Days with Snow or Sleet.												
		Number of daily readings within fixed limits.				Coldest Day and Warmest Night.		Number of days with duration.				Maximum Duration.	Total for past 12 months.	Difference from Average.	Total for month.	Difference from Average.	Number of days with amount.														
		Maximum.		Minimum.		Date.	Date.	Nil.	0-1-3h.	3-1-6h.	6-1-9h.						Above 9h.			Hours.	Type.	0, trace or 0.1 mm.	0.2-1 mm.	1-1-5 mm.	5-1-15 mm.	15-1-25 mm.	Above 25 mm.				
		Below 283	283-288	288-293	Above 293																							Below 273	273-278	278-283	Above 283
STATIONS.		F.																													
273	32.0	0	28	3	0	0	5	18	8	50	53	19, 51, 56, 7	85	8	828	+80	75	-1	18	6	4	1	2	0	0	0	0	0			
278	41.0	3	22	6	0	1	9	15	6	43	54	15, 6	*	*	813	+221	24	-37	16	10	4	1	0	0	0	0	0	0			
279	42.8	3	22	6	0	3	10	13	5	37	29	56	4	54	10	*	38	*	19	6	4	1	1	0	0	0	0	0			
283	50.0	5	20	6	0	7	10	10	4	47	18	54	6	95	8	1777	*	52	*	18	6	4	2	1	0	0	0	0	0		
284	51.8																														
288	59.0																														
289	60.8																														
293	68.0																														
Aberdeen	...	1	29	1	0	0	4	19	8	49	24	53	1, 6	*	*	717	+96	49	-27	21	5	2	2	1	0	0	0	0	0		
Leith	...	0	19	12	0	0	6	12	13	50	18	58	5, 6	9-0	24, 25	598	-24	7	-67	24	4	3	0	0	0	0	0	0	0	0	
Nottingham	...	1	19	10	1	2	16	7	6	46	27	56	6	9-0	18	699	+101	28	-35	17	7	6	1	0	0	0	0	0	0	0	
Benson	...	1	15	12	3	4	9	9	9	44	27	57	6	*	*	659	*	60	*	20	4	6	2	0	1	0	0	0	0	0	
Richmond (Kew Obs.)	...	1	14	11	5	0	12	10	9	49	27	58	19	8-2	20	641	+35	45	-24	22	2	4	2	1	0	0	0	0	0	0	
Manchester (Alex. Pk.)	...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	34	*	*	*	*	*	*	*	*	*	*	*	*	
Bidston	...	5	18	7	1	0	10	15	6	46	27	56	6	8-1	10	929	+220	52	-31	22	1	7	0	1	0	0	0	0	0	0	
Holyhead	...	0	19	11	1	0	6	14	11	52	18, 19	55	7	9-3	10	1279	+391	96	-5	16	6	3	4	1	0	0	0	0	0	0	
Falmouth	...	0	16	15	0	0	1	14	16	53	31	56	17	9-0	18	1307	+200	169	+43	14	3	3	7	3	1	0	0	0	0	0	
Calshot	...	0	13	17	1	0	5	11	15	52	24	58	5, 6	9-1	18, 25, 26	766	*	71	*	21	1	5	2	2	0	0	0	0	0	0	
Dublin (Phoenix Park)	...	0	21	10	0	2	10	12	7	51	19	54	14	8-5	4	894	+189	128	+61	12	6	3	7	3	0	0	0	0	0	0	
Baldonnel	...	1	22	8	0	1	9	17	4	48	31	54	5	*	*	944	*	106	*	15	6	4	5	1	0	0	0	0	0	0	
Birr Castle	...	1	20	10	0	0	8	16	7	48	31	53	5, 14	9-6	2	970	+141	126	+52	15	6	3	2	3	2	0	0	0	0	0	
Valencia	...	1	14	16	0	0	1	14	16	50	31	57	13	9-4	8	1542	+128	206	+64	12	5	4	5	3	2	0	0	0	0	0	0

DECEMBER.

NOVEMBER.

OCTOBER.

METEOR. SOUT.

DAILY WEATHER REPORT. APPENDIX I.

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

FOURTH QUARTER, OCTOBER TO DECEMBER.

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

STATIONS.	PRESSURE 1906-1915. 7 a.m. Observations (reduced to M.S. Level).	AIR TEMPERATURE.						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.	1881-1915.		1881-1915.							
			Dry Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Minimum.					
	mb.	°F.	°F.	°F.	°F.	Year.	°F.	Year.	mm.	in.	hr.	%
Lerwick	1011.2	47.3	50.1	42.3	61	1908	28	1887	24	100	3.95	—
Stornoway	1010.0	47.1	52.2	41.2	70	1898	27	1892	23	112	5.18	2.77
Castletown (Barra Isd.)	1011.6	50.5	53.6	47.3	63	1908	34	1909, 1913	20	86	3.39	2.55
Malin Head	1014.4	42.4	51.5	38.5	65	1910	19	1911	15	100	3.93	2.39
Blackod Point	1009.3	49.3	53.2	45.6	73	1908	32	1892	20	75	2.95	—
Valencia	1010.4	51.0	54.7	46.0	71	1908	29	1905	23	127	4.99	—
Roche's Point	1011.2	51.0	56.2	46.4	65	1884, 86, 1914, 15	31	1881	22	142	5.57	3.26
Birr Castle	1010.7	46.8	55.0	40.7	74	1908	22	1905	19	104	4.09	—
Donaghadee	1011.3	49.2	54.3	44.3	66	1898	21	1892	18	74	2.91	3.16
Liverpool (Observatory)	1012.5	47.9	54.1	44.8	73	1908	27	1895	18	83	3.27	2.81
Holyhead	1011.5	51.3	55.1	46.9	75	1908	31	1892	19	101	3.99	2.87
Pembroke (St. Ann's Hd.)	1011.4	51.6	55.6	48.1	67	1908	33	1895	19	106	4.19	3.20
Selly (St. Mary's)	1011.3	53.2	57.5	50.1	69	1895	38	1895, 1896	21	93	3.66	3.84
Falmouth	1012.5	51.0	56.3	47.7	67	1895	33	1895	21	120	4.96	3.74
Jersey (St. Aubin's)	1013.3	53.4	59.0	49.1	76	1908	33	1887	20	116	4.55	4.06
Portland Bill	1012.2	53.8	59.9	48.8	67	1908	35	1905, 1908	17	94	3.68	—
Dungeness	1013.2	52.1	57.4	46.0	70	1886, 1908	23	1890	17	89	3.52	—
Dover	1015.5	50.7	57.5	46.6	74	1908	30	1909	17	106	4.18	3.81
Wick	1011.0	47.0	52.2	41.0	71	1898	22	1884	21	75	2.96	—
Nairn	1010.9	44.2	53.1	39.0	70	1908	19	1890	19	60	2.35	2.29
Aberdeen	1012.2	46.6	52.8	41.7	74	1883	25	1880	20	76	3.00	3.06
Leith	1011.9	47.7	54.8	42.1	75	1908	25	1894	17	61	2.41	—
Tynemouth	1012.6	47.9	54.1	42.4	77	1908	27	1890, 92, 95, 1909	17	76	3.01	—
Spurn Head	1012.8	50.7	54.6	45.9	70	1900	33	1887, 1895	17	61	2.40	2.68
Yarmouth	1013.6	50.6	55.2	45.3	74	1900, 1908	27	1895	18	74	2.91	3.35
Clacton-on-Sea	1013.7	51.0	55.7	45.7	71	1908	29	1905	14	49	1.94	3.01
Nottingham	1013.3	46.6	55.3	41.7	78	1908	20	1890	19	63	2.49	2.68
LONDON (Kew Obsy.)	1013.9	48.5	56.2	43.5	77	1886	25	1881, 1895	17	69	2.70	2.97
Lerwick	1005.3	42.3	46.2	38.9	58	1901	24	1912	25	108	4.25	—
Stornoway	1007.2	41.1	47.6	38.0	58	1897, 1901, 02	21	1912	24	148	5.81	1.43
Castletown (Barra Isd.)	1007.8	45.4	48.5	41.6	56	1914	28	1912	24	101	3.90	2.57
Malin Head	1009.4	43.7	47.2	32.1	54	1914	16	1912	20	154	6.05	2.03
Blackod Point	1008.4	44.6	48.6	41.7	59	1894, 99, 1906	30	1909, 1912	21	83	3.28	—
Valencia	1010.3	46.1	50.2	42.0	60	1897, 1899	26	1890	24	132	5.21	—
Roche's Point	1012.4	46.3	52.0	43.9	61	1881	27	1890, 96, 1901	23	139	5.40	2.17
Birr Castle	1013.0	45.5	51.4	42.5	61	1908, 1909	27	1890	19	107	4.20	—
Donaghadee	1011.8	40.6	49.3	36.8	64	1912	17	1909	19	75	3.19	2.13
Liverpool (Observatory)	1010.4	43.7	49.4	40.1	60	1894, 1909	27	1883	19	77	3.04	—
Holyhead	1011.6	45.5	48.5	40.2	61	1894, 95, 99	25	1901, 05, 15	18	64	2.50	2.27
Pembroke (St. Ann's Hd.)	1011.3	46.3	50.3	43.9	62	1881	29	1915	19	103	4.14	2.50
Selly (St. Mary's)	1012.2	46.7	51.1	43.9	60	1911	28	1890	20	97	3.80	2.17
Falmouth	1013.2	48.7	53.2	46.1	61	1898	29	1890	20	81	3.27	2.50
Jersey (St. Aubin's)	1013.9	45.1	51.6	43.0	60	1895, 1897	21	1890	20	112	4.80	2.53
Portland Bill	1014.2	47.9	53.0	44.3	66	1899	16	1890	21	104	4.08	2.53
Dungeness	1012.7	47.7	51.7	44.3	61	1900	19	1912	14	66	2.38	—
Dover	1012.9	44.4	50.7	40.7	63	1899	17	1890	16	70	2.75	—
Wick	1012.5	42.5	48.9	38.6	60	1914	25	1911	16	78	3.07	2.90
Nairn	1006.6	41.5	46.9	37.0	62	1900	12	1909	20	80	3.14	—
Aberdeen	1007.5	39.8	46.0	35.4	62	1906	12	1904	19	60	2.36	1.70
Leith	1008.3	40.7	46.8	37.4	62	1883	14	1909	19	75	2.95	1.81
Tynemouth	1009.0	43.0	48.5	38.0	61	1885	18	1885	15	50	1.95	—
Spurn Head	1009.9	41.8	48.4	38.1	61	1894	20	1912	16	54	2.13	—
Yarmouth	1010.4	43.8	48.2	40.8	61	1894, 1895	28	1884	16	47	1.85	—
Clacton-on-Sea	1011.6	43.3	48.5	39.6	60	1895, 98, 99, 1904	21	1890	18	61	2.41	2.33
Nottingham	1012.4	43.0	48.5	39.7	60	1908	25	1904	15	47	1.80	2.13
LONDON (Kew Obsy.)	1013.9	40.7	48.4	37.1	61	1895	11	1904	19	48	1.88	1.37
Lerwick	1013.2	41.9	49.1	38.8	52	1881, 94, 95	21	1901	16	56	2.22	1.75
Stornoway	1000.9	40.4	43.6	36.6	53	1890, 1905	19	1909	27	122	4.79	—
Castletown (Barra Isd.)	1000.9	40.3	44.4	35.4	55	1898, 1913	16	1912	26	159	6.25	0.74
Malin Head	1003.5	44.1	46.9	40.1	54	1912	26	1912	26	140	5.74	0.77
Blackod Point	1001.6	41.3	45.7	38.6	50	1910, 11	8	1912	26	104	8.04	0.74
Valencia	1001.0	44.4	47.5	39.9	50	1900, 04, 11	28	1905, 1909	14	81	3.35	—
Roche's Point	1005.8	45.4	49.8	41.1	57	1899	25	1906	26	155	6.12	—
Birr Castle	1006.9	44.5	48.8	40.4	57	1884, 88, 99, 1900	24	1886	26	169	6.64	1.12
Donaghadee	1005.2	40.5	46.1	35.0	58	1900	10	1882	21	84	1.29	1.19
Liverpool (Observatory)	1004.4	41.8	45.9	37.2	56	1885, 88, 94, 1909	21	1903	21	81	3.17	—
Holyhead	1006.7	41.2	44.8	36.8	59	1891, 98, 1900	17	1882, 1890	19	67	2.65	1.39
Pembroke (St. Ann's Hd.)	1005.8	44.5	46.9	39.9	50	1888	26	1890, 1902	20	106	4.10	1.77
Selly (St. Mary's)	1006.9	45.5	48.1	41.3	57	1899, 1902	19	1890	22	115	4.52	1.35
Falmouth	1008.6	47.6	50.7	44.0	58	1899, 1900	30	1890	21	111	4.36	1.81
Jersey (St. Aubin's)	1009.5	45.5	48.8	41.6	57	1899	25	1886, 1890	21	159	6.27	1.77
Portland Bill	1011.5	46.2	48.8	41.1	59	1898	22	1890	22	105	4.15	1.87
Dungeness	1009.1	46.5	48.1	41.2	56	1906, 07, 13	24	1908	19	75	2.94	—
Dover	1009.5	43.2	46.8	37.1	56	1897, 98, 1900, 07	12	1890	17	70	2.77	—
Wick	1010.2	42.4	46.7	38.4	54	1912, 14, 15	18	1908	21	105	4.12	1.45
Nairn	1001.3	39.3	43.6	34.3	58	1905, 1907	10	1906	22	78	3.08	—
Aberdeen	1001.9	37.4	43.0	32.1	58	1900	8	1912	19	56	2.22	1.16
Leith	1003.5	38.5	42.9	34.2	57	1885, 98, 1906, 10, 11	6	1882	19	82	3.22	—
Tynemouth	1001.8	40.5	44.8	35.0	60	1896	6	1882	17	51	2.00	—
Spurn Head	1005.2	40.0	44.3	34.7	59	1898	19	1882, 86, 91, 92, 1908	16	55	2.18	—
Yarmouth	1006.5	40.7	43.6	36.4	56	1898, 1912	19	1891	16	51	1.99	1.32
Clacton-on-Sea	1008.6	40.6	43.6	35.2	60	1901	18	1899, 1906	18	62	2.44	1.23
Nottingham	1009.6	40.8	43.4	35.8	55	1904	17	1908	15	45	1.77	1.52
LONDON (Kew Obsy.)	1009.8	41.4	44.7	35.9	57	1912	9	1908	20	61	2.39	0.90

* Results for 39 years, 1886-1915.
 " 16 " 1900-1915.
 " 15 " 1901-1915.

† Results for 9 years, 1907-1915.
 " 8 " 1908-1915.
 " 6 " 1910-1915.

‡ Results for 5 years, 1911-1915.
 " 2 " 1914-1915.

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



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. B21,498 FRIDAY, 1ST OCTOBER, 1920.

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.	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. 30 th Sept.																													
Renfrew ...	1009.8	-4	ESE	3	c	63	75	5	2,000	Cu	7	-	-	*	1009.8	-0	ESE	2	c	59	85	4	3,000	St	10	-	-	*	
Eskdalemuir ...	1010.6	-3	ESE	4	o2f	59	75	5	3,000	StCu	9	-	-	*	1009.1	-2	NE	3	c2f	55	92	4	-	StCu	7	-	-	*	
Valencia (Cahire'n)	1003.6	+1	W	1	o	55	85	8	2,000	St	10	-	-	3	1003.1	-1	SW	1	b	54	85	8	3,000	Cu	2	a.cu	1	*	
Baldonnell ...	1004.3	-2	SSE	4	o2f	59	85	6	750	Nb	5	as2	4	*														*	
Manchester (Alex. Pk.)	1009.8	-4	SE	4	b2	64	75	4	2,000	Cu	5	a.cu	3	*	1007.2	-3	E	4	o2f	60	85	3	2,000	St	10	-	-	*	
Ross on Wye ...	1008.7	-2	SSW	3	o2f	60	85	5	-	-	-	as2	10	*	1006.2	-3	SE	3	o2f	59	85	6	2,000	Nb	9	as2	1	*	
Falmouth ...	1006.5	+1	WNW	3	o	56	85	7	1,250	St	10	-	-	*	1008.3	+2	SW	2	o2f	54	85	8	1,250	Nb	10	-	-	*	
Calshot (Hants) ...	1009.0	-1	SE	4	o2f	60	92	5	4,200	StCu	7	as2	3	4	1007.5	-1	SE	3	o2f	59	97	4	1,250	Nb	10	-	-	3	
Lympe (Folkestone)	1010.9	-3	ESE	4	cif	63	75	6	3,000	Cu	1	as2	6	*	1008.7	-2	ESE	1	omw	57	92	4	3,000	St	5	as2	5	*	
Aberdeen ...	1014.6	-3	SE	3	o2f	55	92	4	4,500	St	10	-	-	3	1013.1	-1	SE	3	o2f	55	92	4	4,500	St	10	-	-	3	
Howden ...	1011.0	-3	ESE	4	b2	64	75	5	3,000	Cu	2	-	-	*	1009.8	-1	ESE	4	o2f	55	97	1	4,500	St	10	-	-	*	
Cranwell (Lincoln)	1011.8	-3	ESE	3	o2f	61	92	4	2,000	St	10	-	-	*	1009.4	-3	ENE	3	o2f	57	97	3	1,250	St	9	-	-	*	
Felixstowe ...	1012.4	-2	E	2	b2f	60	85	5	2,000	St	2	-	-	*	1010.3	-2	E	2	o2f	60	92	5	2,000	St	9	-	-	*	
Shoeburyness ...	1011.2	-2	E	3	b2f	63	85	6	7,200	StCu	2	as2	1	*	1008.4	-3	ESE	1	o2f	59	92	5	1,250	St	9	-	-	*	
Benson ...	1008.6	-2	SE	3	o	64	75	5	-	St	10	-	-	*	1003.9	-2	SSE	3	o	61	85	5	-	-	Cu	10	-	*	
S. Farnborough	1008.7	-2	SE	3	o2	65	75	6	-	Cu	5	as2	4	*	1007.7	-4	SSE	2	o2f	60	85	5	2,000	Nb	8	as2	2	*	
London (Kew Obsy.)	1009.8	-4	SE	3	c	67	65	6	4,200	Cu	6	CuSt	2	*	1007.9	-2	SE	2	c2f	61	75	4	4,200	StCu	5	a.cu	2	*	
Croydon ...	1010.4	-2	SE	3	cif	67	65	7	2,000	Cu	4	CuSt	4	*	1008.3	-3	SE	3	o2f	59	85	7	-	-	as2	10	-	*	
1H. G.M.T. OF 1 ST Oct.																													
Renfrew ...	1005.0	-5	E	5	o2f	63	92	3	-	StCu	10	-	-	*	1000.9	-4	E	3	o2f	55	92	2	1,250	Nb	10	-	-	*	
Eskdalemuir ...	1005.0	-5	E	5	o2f	63	92	3	-	StCu	10	-	-	*	1001.6	-3	E	2	o	52	92	6	2,000	Nb	6	a.g	4	*	
Valencia (Cahire'n)	1002.9	-2	SE	2	bc	50	*	*	*	*	*	*	*	0	999.4	-1	NE	1	o	48	92	8	5,700	St	4	a.st	5	4	
Baldonnell ...	1003.7	-2	WSW	2	bc	45	97	4	-	-	-	a.cu	5	*	1000.5	-1	WSW	2	o2f	45	97	6	750	St	5	a.st	4	*	
Manchester (Alex. Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1002.6	-3	SSE	2	o2f	47	92	3	-	-	Cu	6	a.st	3	*
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.4	-4	SE	4	o2f	53	85	7	1,250	Nb	9	-	-	*	
Falmouth ...	1003.2	-7	SSE	3	o2f	54	97	5	3,000	Nb	10	-	-	*	997.4	-1	SW	4	o	54	97	7	-	Nb	9	-	-	*	
Calshot (Hants) ...	1007.5	0	W	3	b	57	92	7	-	Cu	2	2	2	1003.4	-5	S	5	o	56	92	8	2,000	Nb	10	-	-	4		
Lympe (Folkestone)	1007.6	-1	SSW	5	o2f	53	97	6	1,250	St	10	-	-	*	1006.7	-1	S	3	b	52	85	8	1,250	StCu	3	-	-	*	
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.7	-3	ESE	5	o2f	54	97	4	750	Nb	10	-	-	4	
Howden ...	1005.3	-3	E	2	om	56	97	5	4,500	St	10	-	-	*	1002.1	-2	S	1	o2f	46	97	4	750	St	10	-	-	*	
Cranwell (Lincoln)	1007.5	-1	SE	3	o2f	56	97	4	1,250	St	10	-	-	*	1003.7	-1	SW	3	bc	48	97	5	-	-	as2	3	-	*	
Felixstowe ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.4	-1	SW	3	bc	52	92	6	4,200	Cu	1	-	-	1	
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1006.2	0	S	1	b	52	85	7	-	-	Cu	6	-	*	
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1002.7	-2	SE	3	bc	49	92	6	-	-	Cu	5	-	*	
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1004.8	-3	SSE	2	cif	49	97	6	1,250	Cu	1	a.cu	6	*	
London (Kew Obsy.)	1006.5	0	*	*	*	54	*	*	*	*	*	*	*	*	1004.8	-3	SSE	1	bcu	50	97	6	3,000	StCu	4	a.cu	2	*	
Croydon ...	1007.5	0	WSW	4	o2f	54	92	6	1,250	St	9	-	-	*	1006.0	-3	S	3	cif	51	92	6	2,000	StCu	2	a.cu	5	*	
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																													
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.								
			Dir.	Force		at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.									
18H. G.M.T. OF 30 th Sept.																													
Lerwick ...	1017.5	54	ESE	5	om	1012.8	-5	55	H	ESE	5	-	bc	4	-	56	51	sd.	om	bcm	*								
Stornoway ...	1007.2	58	SE	2	b	1002.1	-2	54	0	SE	5	-	b	4	-	63	43	b.	b.	b	9.2								
Castlebay (Barrals)	1004.5	58	ENE	4	cm	999.5	-3	56	-1	E	4	-	or	*	0.3	60	66	bc.o.cm	c.o.cm	c.omr	3.2								
Malin Head ...	1000.6	57	SE	6	omr	998.6	-2	50	-6	W	2	W	omr	3	9	62	50	bcm	cm	omr	2.8								
Blacksod Point	1001.1	52	-	0	c	998.3	-3	50	-3	W	1	-	c	1	9	36	31	omd	c	bc	*								
Roche's Point ...	1004.5	55	WSW	2	bc	999.7	-2	48	-8	NE	1	-	c	3	1	59	48	md.o.	a.c.bc	bc.c	*								
Birr Castle ...	1003.4	53	SW	1	c	1000.1	*	45	-14	SW	1	-	o	*	2	62	44	or.c	odr.c	c	0.4								
Donaghadee ...	1005.5	59	SSE	4	omd.	1001.2	-2	50	-6	WSW	1	-	CV	1	2.4	59	51	bcmq	bmq	omr	*								
Liverpool (Bidston)	1005.9	61	ESE	4	m	1001.2	-4	48	-5	S	2	-	b	2	20	63	47	om	om	or.b	1.6								
Holyhead ...	1004.0	58	SSE	4	omr	1000.0	-2	50	-4	ESE	4	S	cb	3	7	65	49	b.bc.ct	dp.om	orm.c	3.4								
Pembroke (St. Ann's Head)	1006.6	55	WSW	4	ov	997.5	-8	51	-7	ENE	3	-	or	4	13	58	51	orm.	orm.o	ov.or	0.1								
Scilly (St. Mary's)	1007.1	55	S	1	bc	997.1	+1	53	-3	WNW	3	W	bc	4	15	60	53	opq.bc	bc	or.c.bc	4.1								
Jersey (St. Aubin)	1009.7	57	W	3	o	1003.3	-2	58	-1	S	6	-	o	4	14	61	56	or.or	or.o.o	tcgpo	0.0								
Portland Bill ...	1007.0	58	WSW	5	c	1002.1	-6	58	-1	S	6	-	r	6	8	61	55	c.or	or.c	bc.or	*								
Dungeness ...	1008.3	61	E	3	c	1006.5	0	57	-1	SW	4	SW	b	4	6	64	53	b.bc	bc.c	c.r.bc	*								
Wick ...	1012.2	54	SSE	5	omq	1006.3	-5	54	H	ESE	5	-	omq	4	-	54	52	omq.fe	omq	omq	*								
Nairn ...	1009.8	58	SE	1	c	1003.3	*	53	-2	E	2	-	od	1	0.4	62	52	bc.2.	2.bc.c	cfd	6.5								
Leith ...	1009.0	56	ENE	2	o	1001.6	-3	55	-1	E	1	-	or	1	2	63	54	om.o.c	o	omr	*								
Tynemouth ...	1011.4	54	SE	3	f	1003.5	-3	54	0	SSE	3	-	r	2	4	56	53	f	fe	omr.f	*								
Spurn Head ...	1009.6	57	SE	4	o	1002.2	-3	55	-1	SSE	3	-	or	3	6	57	52	f.	fo	f.om	*								
Yarmouth (Gov. Fort)	1011.0	57	SSE	4	o	1005.4	0	55	-3	WSW	3	-	bc	1	1	61	55	bm	bm.om	cap.bc	2.5								
Clacton-on-Sea	1009.3	60	E	3	m	1006.0	0	52	-7	WSW	3	-	bc	2	2	64	51	bm.	b.bc.cm	amp.bc	7.3								
Nottingham ...	1007.9	59	E	2	om	1003.3</																							

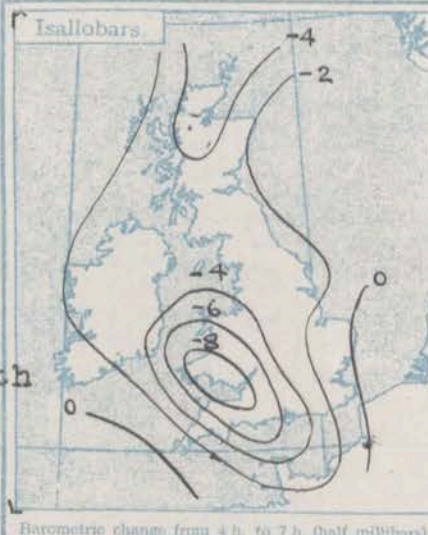
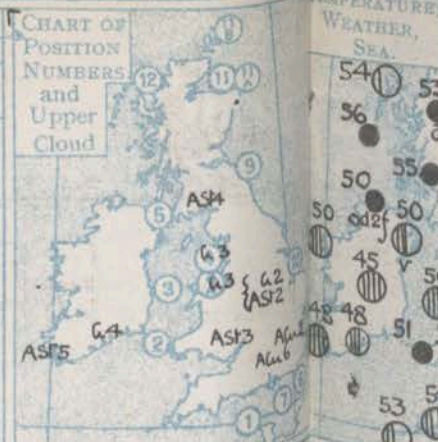
* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

§ For code see page 3.

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 1.10.20.

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 fine, some mist.	V. good	slight	3.	30 th Sept	09.25	56.5 58
2. E. England	Fair.	Fair	V. smooth	1.	"	11.36	60 62
3. E. Midlands	Fine.	Indiff	-	2.	1 st Oct.	01.16	57 56
4. W. Midlands	Fine, misty.	V. poor	-	7.	"	02.08	60 58
5. S.W. England	Fair to dull.	V. good	Mod.	4A.	"	02.45	57 55
6. South Wales	Dull, rainy.	Good	"	12.	"	03.50	54 57
7. North Wales	Gloomy.	V. good	slight	8.	"	04.00	59 59
8. N.W. England	Dull.	Fair	smooth	5.	"	07.28	55 54
9. N. Midlands	Fair, misty.	Poor	-				
10. N.E. England	Dull, rainy.	"	smooth				
11. E. Scotland	Dull, rainy, squally.	Poor	Mod				
12. S.W. Scotland	Dull.	Fair	smooth				
13. Isle of Man	Cloudy.	Good	"				
14. N. & N.W. Scotland	Dull, drizzle, local rain.	Poor	Mod				
15. Hebrides	Fine to rain.	V. good	"				
16. Orkneys and Shetlands	Fair.	Good	"				
17. N.W. Ireland	Dull.	V. good	V. smooth				
18. N.E. Ireland	Cloudy.	"	"				
19. S.E. Ireland	Cloudy.	Good	slight				
20. S.W. Ireland	Dull.	V. good	Mod.				



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 275

FRIDAY
1st OCTOBERWEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 30th Sept.

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.
					29-30	30	30	29						29-30	30	30	29
Scotland.									England, N.W.								
Oban ...	b.c.c.	b	65	55	-	-	7.3	4.5	Douglas (I.O.M.)	x	x	60	54	-	-	0.4	4.6
Banff ...	d.m.o.	om	57	53	-	-	0.0	0.5	Blackpool ...	b.c.	c.o	66	51	-	-	3.9	1.4
Montrose ...	of.	o.c.f.	55	53	0.4	-	0.0	0.0	Southport ...	b.c.c.	b.c.c.	66	51	-	-	3.5	2.7
St. Andrews ...	o	m	56	52	1	-	0.0	3.0	MORECAMBE ...	x	x	66	55	-	-	7.8	?
England, N.E.									Midlands.								
Harrogate ...	o	o.o.o	60	53	0.4	-	0.0	0.0	Buxton ...	o.c.m.c.	b.c.c.	58	51	-	-	0.1	?
Scarborough ...	om	om	61	55	-	-	0.0	0.0	Leamington Spa...	o	c.b.	65	50	-	-	1.0	3.6
Skegness ...	o.c.	c	59	56	-	-	0.1	5.3	Malvern ...	z	z	62	50	-	0.1	0.4	2.0
England, E.									Bath ...	m.o.c	or	62	50	-	2	0.0	4.7
Lowestoft ...	c.b.c	c.b.c.o	61	56	-	-	4.0	6.5	Rhyl ...	c	c	63	49	-	-	0.7	2.2
Felixstowe ...	bm	om	62	57	-	-	7.3	7.2	Colwyn Bay ...	x	x	65	52	-	-	2.5	?
Southend-on-Sea...	mw.b	b.c.o.o	67	54	-	-	5.1	3.8	Llandudno ...	b.b.c.	c.o	66	54	-	-	3.7	6.5
England, S.E.									Aberystwyth ...	o.c.	c.o	63	58	-	-	0.0	9.0
Tunbridge Wells	om.b.c.b	c.o	67	51	-	-	2.9	6.8	Tenby ...	cr	r	58	57	8	8	0.0	8.0
Margate ...	b	b.b.c.o	65	55	-	-	6.2	3.7	Swansea ...	x	x	60	56	-	10	0.0	4.1
Ramsgate ...	*	*	64	55	-	-	6.3	3.8	Weymouth ...	od.	d.ro.	63	57	0.1	5	0.0	3.9
Folkestone ...	b	b.c.o	64	55	-	-	6.4	4.8	Teignmouth ...								
Hastings ...	w.b.	b.c.	64	55	0.2	-	6.0	4.7	Torquay ...	o.z.r.	or. cr.	61	57	-	4	0.1	7.4
Eastbourne ...	b.c.	b.c.o	64	49	-	-	5.3	2.6	Paignton ...	or.	or. bc.	61	56	trace	5	0.3	3.9
Brighton ...	b.c.	c.o	65	53	-	-	5.9	5.8	Penzance ...	or. c.	c. bc.	59	55	2.0	0.2	3.0	10.4
Worthing ...	b. bc	b.c.o	63	53	-	-	4.0	6.6	Newquay ...	o.z.m.	c. bc.	60	55	11	2	0.5	9.4
Littlehampton ...	b	o.c.m.	62	54	-	-	3.0	6.3	Bude ...	o.p.o.c.	p.	62	56	1	2	0.0	10.3
Portsmouth (S'haea)	x	x	63	54	-	-	1.5	2.1	Ilfracombe ...	or.	or	62	56	-	5	0.0	7.9
Bournemouth ...	*	*	62	55	-	2	0.1	2.7	Weston-s-Mare ...	b.c.	cr.	62	51	-	3	0.0	4.6
Ventnor (I. of W.)	*	*	63	57	-	2	1.8	0.0									

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	1h-7h				Day. 7h-18h	Night. 18h-7h	
Renfrew ...	?	b.c.c.f.	b.b.c.	o.c.s.f.	65	53	50	mm.	mm.	6.7
Eskdalemuir ...	b.o.z.f.c.o.z.f.	o.g.	o.z.f.	o.z.f.	61	51	50	-	2	1.0
Valencia (Cahire'n)	o.f.r.	b.b.c.	b.b.c.	o.f.d.o	58	46	39	3	1	2.2
Baldonnel ...	o.z.f.c.o.z.f.	-	c.b.c.	o.f.d.o	59	41	39	-	1	4
Manchester (Alex. Ph.)	b.c.c.	c.o.z.	c.o.z.f.	c.o.z.f.	65	45	36	-	6	*
Ross on Wye...	b.c.c.	o.f.r.	o.f.r.	o.f.r.	61	47	39	1	4	0.7
Falmouth ...	o.f.r.	o.f.r.	o.f.r.	o.f.r.	59	50	46	19	24	1.5
Calshot (Hants)...	c.o.z.f.	r.c.o.	r.c.o.	r.c.o.	61	51	*	1	8	0.7
Lymington (Folkestone)	b.g.b.c.	o.f.r.	o.f.r.	o.f.r.	64	46	38	trace	6	6.9
Aberdeen ...	o.z.f.c.o.z.f.	o.z.f.	o.z.f.	o.z.f.	55	53	52	-	3	0.0
Howden ...	o.f.r.	o.f.r.	o	o.f.r.	64	54	53	-	3	*
Cranwell (Lincoln)	p.d.o.z.f.	b.b.c.	o.f.r.	o.f.r.	63	50	48	trace	6	0.8
Felixstowe ...	b.z.f.	b.b.c.	o.p.	b.c.o.	64	51	*	*	*	*
Shoeburyness ...	o.f.r.	o.f.r.	o.f.r.	o.f.r.	65	44	42	0.2	3	4.1
Benson ...	c.o.	c.o.	c.o.	c.o.	66	44	36	-	4	*
S. Farnborough ...	o.f.r.	c.o.	c.o.	c.o.	66	44	37	-	4	0.7
London (Kew Obs.)	o.f.r.	o.f.r.	o.f.r.	o.f.r.	67	46	38	-	9	3.6
Croydon ...	b.b.c.	o.f.r.	o.f.r.	o.f.r.	67	47	4	-	7	*

BEAUFORT NOTATION.

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

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 0.3
1	1-3	0.3-1.5
2	4-7	1.6-2.8
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5
12	Above 75	33.6 or above

SYMBOLS-

Aurora Solar halo
Rime 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.						10 p. G.M.T.	9 p. G.M.T.
	24 HOURS ENDED 9h G.M.T. 1 st Oct.							YESTERDAY.	TO-DAY	
Greenwich (Royal Observatory)	o	o	or.b.bc	69	45	37	11	2.8	67	81
City (Bunhill Row)	*	*	*	*	*	*	*	1.4	*	*
Westminster (St. James's Park)	*	*	c.r.p.bc	68	48	41	15	2.8	64	76
Camden Sq. (British Rainfall)	om	c.bcbbcc	*	70	46	42	15	*	73	77
Kensington Palace	bc	ac	*	68	44	38	18	*	71 (18h)	84
Hampstead Observatory ...	*	*	*	66	47	34	*	2.8	*	81

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 809 Joules.

Average Rate, 19.2

Maximum Rate, 41

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

1st + 2nd October 1920.

Stations.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth...	5.56	11.43	5.30
Greenwich	5.57	11.42	5.27
Wick	6.19	12.2	5.42
Valencia	6.43	12.31	6.19

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 2nd Sept. 4.5 m.
to 1st Oct. 4.5 m.

Stars.	Duration of Exposure.	Duration of Record.
Polaris	10.0	3.51 39
8 Ursae	70.0	3.23 34
Minoris		

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell very generally in all parts of the Kingdom except the extreme North. Locally the rainfall was very heavy, Falmouth receiving 43 mm and Donaghadee 24 mm. The best sunshine records were obtained at Stornoway 9.2 hours and Morecambe 7.8 hours. Temperature differed little from the normal in most localities, but reached 68° in London. Much fog prevailed on the Northeast coasts.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21499. SATURDAY 2ND OCTOBER.....1920.

TEMPERATURE.

Max.

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

STATIONS.	BAROM.	Change in 3 hours.	WIND.		Weather	TEMP.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud		Sea	BAROM.	Change in 3 hours.	WIND.		Weather	TEMP.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud		Sea	
	at M.S.L. mb.		Dir.	Force 0-12.		°F.				Form.	Amt. 0-10.	Form.	Amt. 0-10.		0-9.		mb.	Dir.		Force 0-12.				°F.	Form.	Amt. 0-10.	Form.		Amt. 0-10.	0-9.
13H. G.M.T. OF 1 ST															19H. G.M.T. OF 7 TH														
Renfrew ...	998.8	-4	NNE	1	02f	57	92	5	3,000	ScA	10	-	-	996.1	-2	ENE	3	072-35	56	92	3	3,000	St	10	-	-	X		
Eskdalemuir ...	998.5	-3	-	0	C	55	85	7	3,000	ScA	8	-	-	996.3	-2	E	5	0	52	85	7	-	ScA	10	-	-	-		
Valencia (Cahire'n)	999.1	-1	N	2	C	56	75	8	2,000	Cu	4	2	3	999.8	+1	NW	3	0	52	85	8	1,250	ScA	4	2	4	4		
Baldonnel ...	998.2	-3	NNW	1	0.0	52	85	5	750	CuNB	10	-	-	997.6	-1	-	0	C	50	85	8	4,200	ScA	7	2	1	-		
MANCHESTER (ALBA) ...	997.0	-7	SE	8	062f	55	85	5	750	NB	10	-	-	997.3	+3	SW	4	63	53	75	5	3,000	ScA	3	-	-	-		
Ross on Wye ...	997.0	-1	SW	5	60f	59	75	8	4,200	Cu	6	-	-	998.3	+1	WSW	3	6	52	85	8	3,000	CuNB	1	2	1	-		
Falmouth ...	998.7	0	SW	3	6	61	65	8	-	CuNB	3	-	-	998.2	-2	SSW	3	60f	55	92	8	-	CuNB	3	1	-	-		
Calshot (Hants) ...	1000.5	-3	SW	5	C	60	85	8	3,000	Cu	7	2	1	1000.0	0	SSW	3	60	56	85	8	2,000	ScA	3	1	3	-		
Lymington (Folkestone) ...	1000.4	-4	SSW	6	072f	56	85	7	1,250	NB	10	-	-	1001.9	-2	SSE	6	072f	56	92	6	750	NB	10	-	-	-		
Aberdeen ...	1002.6	-3	ESE	5	072f	54	92	4	750	NB	10	-	-	1000.4	-2	SE	5	072f	54	92	5	750	Sc	10	-	-	5		
Howden ...	999.8	-3	SSE	4	0	59	75	8	3,000	Sc	6	2	4	998.0	0	SSE	4	0.9	57	92	6	3,000	ScA	7	2	2	-		
Cranwell (Lincoln) ...	1000.9	-4	SSE	4	02f	57	92	5	4,200	ScA	6	2	3	998.8	-1	SSE	3	01f	56	97	6	3,000	ScA	7	2	1	-		
Felixstowe ...	1004.9	-3	S	5	0	60	75	6	4,200	ScA	9	-	-	1003.4	-1	SSW	6	072f	59	97	6	2,000	NB	10	-	-	4		
Shoeburyness ...	1002.9	-3	SSW	6	02f	58	75	7	2,000	ScA	7	2	3	1001.5	-1	SW	5	072f	57	85	4	750	NB	10	-	-	-		
Benson ...	998.3	-3	S	5	C	60	85	6	-	Cu	8	-	-	998.9	+1	SSW	3	60	57	85	9	-	-	-	-	-	-		
S. Farnborough ...	1000.4	-3	S	6	02f	58	92	7	1,250	NB	8	2	-	1000.2	0	S	2	6	55	85	7	2,000	Sc	3	-	-	-		
London (Kew Obs.) ...	1000.9	-4	SSE	3	02f	58	85	5	2,000	ScA	8	2	-	1000.3	0	S	2	61f	57	92	5	2,000	ScA	7	-	-	-		
Croydon ...	1002.4	-3	S	4	01f	56	92	7	1,250	ScA	7	2	3	1001.2	0	SSW	4	61f	56	92	7	1,250	ScA	5	2	3	-		
1H. G.M.T. OF 2 ND															7H. G.M.T. OF 8 TH														
Renfrew ...	997.6	+3	S	3	0	49	92	6	-	St. A	10	-	-	998.4	+3	ESE	2	02f	49	92	5	3,000	StA	10	-	-	4		
Eskdalemuir ...	997.6	+3	S	3	0	49	92	6	-	St. A	10	-	-	998.6	+1	NW	1	0	46	92	6	-	-	A. Cu	10	-	-	-	
Valencia (Cahire'n)	999.0	-2	NNW	3	60f	51	-	-	-	-	-	-	4	997.7	0	-	0	44	92	8	4,200	CuNB	7	-	-	3	-		
Baldonnel ...	997.9	0	S	2	6	42	92	7	-	-	A. Cu	1	-	998.0	0	-	0	44	92	7	4,200	St.	3	2	2	-	-		
MANCHESTER (ALBA) ...	997.0	-7	SE	8	062f	55	85	5	750	NB	10	-	-	997.4	-1	S	1	072-35	47	97	2	1,250	NB	-	-	-	-		
Ross on Wye ...	997.0	-1	SW	5	60f	59	75	8	4,200	Cu	6	-	-	997.7	0	-	0	46	97	5	2,000	ScA	9	-	-	-	-		
Falmouth ...	998.1	-1	W	2	60f	50	97	8	-	CuNB	2	2	1	998.4	0	W	3	0	50	92	8	-	NB	9	-	-	-		
Calshot (Hants) ...	998.1	-2	W	2	07	54	97	6	750	NB	10	-	-	998.3	0	SSW	3	60	56	85	8	-	Cu	3	2	2	-		
Lymington (Folkestone) ...	999.3	-4	S	6	072f	54	97	7	4,500	St	10	-	-	999.8	+2	S	4	0	53	92	8	750	NB	10	-	-	-		
Aberdeen ...	998.8	0	-	0	062f	49	97	1	4,500	St.	10	-	-	1000.2	+1	SSE	2	072-35	53	92	4	750	NB	10	-	-	4		
Howden ...	998.8	0	-	0	062f	49	97	1	4,500	St.	10	-	-	998.4	-3	NNW	2	072f	50	97	2	750	NB	10	-	-	-		
Cranwell (Lincoln) ...	1001.1	0	S	5	C	50	97	5	3,000	St	5	2	3	998.8	0	W	1	07	51	97	5	750	NB	10	-	-	-		
Felixstowe ...	1001.1	-4	S	5	072f	58	92	5	4,200	NB	10	-	-	1000.2	+1	SSW	5	6	56	86	7	1,250	Cu	6	1	5	-		
Shoeburyness ...	999.9	+1	SSW	2	6	55	85	7	5700	StA	2	-	-	999.9	+1	SSW	2	6	55	85	7	5700	StA	2	-	-	-		
Benson ...	997.2	+2	SSE	1	0	50	92	6	-	St	10	-	-	997.2	+2	SSE	1	0	50	92	6	-	St	10	-	-	-		
S. Farnborough ...	997.9	+1	S	2	60f	50	97	2	750	Cu	6	-	-	997.9	+1	S	2	60f	50	97	2	750	Cu	6	-	-	-		
London (Kew Obs.) ...	998.4	-3	S	3	01f	54	-	-	-	-	-	-	-	998.7	+4	SSW	1	60f	51	97	4	2,000	St.	2	-	-	-		
Croydon ...	998.8	-3	S	3	01f	54	92	7	1,250	St. A	10	-	-	999.6	+3	S	3	60f	51	97	6	750	St.	3	2	2	-		

STATIONS CONTRIBUTING REPORTS AT 7H. AND 19H.

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.
			Dir.	Force 0-12.		at M.S.L. mb.	Change in 8 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
19H. G.M.T. of 1 st						7H. G.M.T. of 2 nd						24 HOURS ENDED 7H. 2 nd						1 st			
Lerwick	1010.0	54	ESE	7	Cu	1007.0	-3	53	-2	E	8	SE	omg	6	1	56	50	omg	p	omg	+
Stornoway	997.8	55	ENE	3	Op	996.7	+1	54	0	SE	6	-	bc	4	18	58	63	c.0	a.7	or.bc	1.5
Castell Bay (Barra)	996.6	55	NE	2	0	994.8	+1	53	-3	S	4	-	0	3	10	56	52	p.0.bc	bc.0.c.0	op.0.c.0	2.3
Main Head	995.9	52	N	1	Om p	995.3	0	47	-3	SSE	2	SE	bc	1	7	54	46	bc	cv	c	1.3
Blacksod Point	996.9	52	NNW	2	Om p	995.6	-3	47	-3	-	0	-	bc	1	4	55	44	c.bc	bc.c	bc.cp	-
Roche's Point	998.6	54	W	3	0	998.6	0	46	-2	NW	1	-	b	2	2	60	45	c.bc.c	c.0.p.0	op.b	-
Birr Castle	997.4	51	W	1	C	997.3	-	42	-3	SSW	1	-	m	1	59	42	c	c.0.p.0	cf	4.9	
Donaghadee	997.4	50	W	2	Om p	998.1	+1	43	-7	SSW	1	-	bcm	0	7	55	42	cv	ov.p	omr	-
Liverpool (Midston)	996.3	52	SW	4	0	997.0	-1	47	-1	-	0	-	bim	1	4	57	46	c.0.r.	or.bc.c	bcm	1.1
Holyhead	995.9	51	WSW	4	Cg	997.4	0	45	-5	-	0	-	b3	0	22	53	44	0.r.m	0.r.m.0	c.bcm	0.0
Pembroke (St. Ann's Head)	998.6	54	SW	3	b.c.v	998.2	0	47	-4	ENE	1	-	few	3	5	57	47	c.r.c.v	cv	ov.cv	5.3
Scilly (St. Mary's)	999.1	55	NNW	2	C	999.2	0	52	-1	NNW	4	W	C	5	5	61	52	bc.c	c.bc.c	o.p.c	7.6
Jersey (St. Aubin's)	1000.2	59	W	3	0	1000.9	0	54	-4	W	4	W	C	4	12	61	54	0.p.c.r	c.g.p	op.o.c	0.3
Portland Bill	999.1	54	SW	4	C	999.1	0	58	0	SW	5	SW	c.p	5	2	60	54	0.g.r.bc	bc.c	ocq.p	-
Dunegness	1001.4	59	SW	5	Cg	999.4	+1	57	0	SW	5	SW	bc	5	4	62	56	c.g.p	c.g.	ocp.c	-
Wick	1000.8	54	E	6	Om g	999.6	-1	54	0	ESE	5	-	omg	5	2	54	53	Om g	omg	omg	-
Nairn	997.6	55	E	2	0	998.8	-	50	-3	-	0	-	bc	1	2	57	49	d.c.	c.g.	d.c.g	0.0
Leith	996.2	56	SE	1	+	998.6	+1	48	-7	SE	1	-	om	1	3	57	47	om r	cm. or	r.0cm.0	-
Tynemouth	998.2	54	SSE	4	bc	998.6	-1	49	-5	NNW	1	-	p.r	3	2	56	47	om	bc3.p	bc3.b.d	-
Spurn Head	994.5	57	SSE	5	Cg	996.8	-3	56	+1	S	4	-	C	3	4	62	52	0.g.	c.g.	or	-
Yarmouth (over bridge)	1002.8	59	SSE	6	+	999.0	0	57	+2	S	4	-	bc	4	4	62	54	bc.c.g	0.g.p	c.g.r.bc	5.0
Clacton-on-Sea	1002.0	57	SSE	6	+	999.8	0	57	+5	SW	4	SW	C	4	10	64	51	bc.c	c.0.g.r	c.g.r.0	4.5
Nottingham	997.8	56	S	2	C	997.0	-	51	+3	S	1	-	om	4	4	60	47	c.0.p	0.C	c.0	1.9

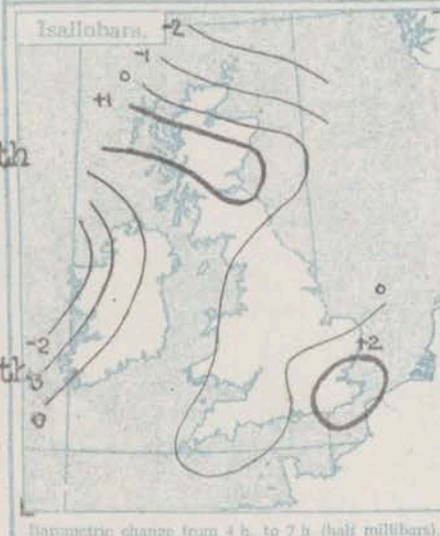
SUMMARY OF CONDITIONS AT 7 h.G.M.T. 2.10.20.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Fair to fine, misty.	Fair	R. rough
2. E. England	Fair to cloudy.	Good	" "
3. E. Midlands	Slight rain and mist.	Indiff	-
4. W. Midlands	Fair.	Good	-
5. S.W. England	Cloudy.	V. good	R. rough
6. South Wales	Foggy.	V. bad	slight
7. North Wales	Fine, misty.	V. good	calm
8. N.W. England	Dull, misty.	V. poor	smooth
9. N. Midlands	Slight rain and mist.	Bad	-
10. N.E. England	Rainy, some fog.	Indiff	slight
11. E. Scotland	Rainy, squally.	Poor	Mod.
12. S.W. Scotland	Dull.	Fair	V. smooth
13. Isle of Man	Fair, misty.	Good	" "
14. N. & N.W. Scotland	Fair.	"	smooth
15. Hebrides	Fair to dull.	V. good	slight
16. Orkneys and Shetlands	Dull, gale.	Poor	rough
17. N.W. Ireland	Fair.	V. good	V. smooth
18. N.E. Ireland	Fair, misty.	Good	Calm
19. S.E. Ireland	Fine.	V. good	smooth
20. S.W. Ireland	Showery.	" "	slight

Temperature reported from Coastal and Cross Channel Steamers

Position Number	Date	Time G.M.T.	Sea °F	Air °F
3.	1st	09.25	56.6	52
2.	2nd	01.20	55	54
4A.	"	02.30	57	53
12.	"	03.05	54	56
7.	"	04.20	60	59

CHART OF POSITION NUMBERS and Upper Cloud



Lower Cloud.



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

Depressions over the British Isles or their immediate vicinity will maintain an unsettled type of weather generally, but there are indications that some temporary improvement will occur in the S. and S.E. of England.

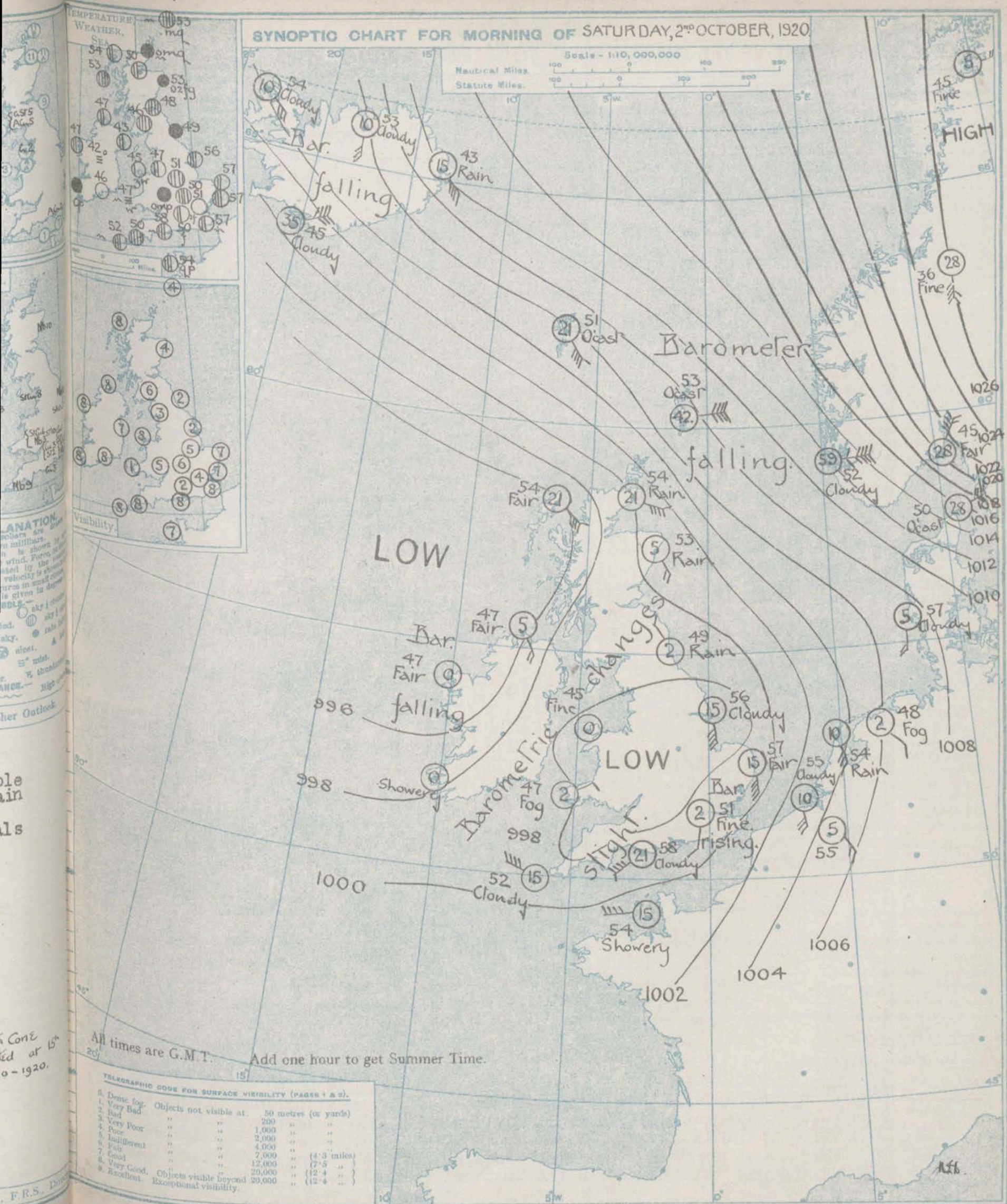
EXPLANATION.
BAROMETER. - Isobars are intervals of two millibars.
WIND. - Direction is shown by the arrow. Force is shown by the number of flags. 0-12, is indicated by the number of flags. Mean velocity is shown by the number of flags. 0-12, is indicated by the number of flags.
TEMPERATURE. - Temperature is given in degrees Fahrenheit.
WEATHER SYMBOLS.
 ☉ clear sky.
 ☁ sky & clouds.
 ☂ overcast sky.
 * snow. * sleet.
 ≡ fog. ≡ mist.
 T thunder. T thunder.
SEA DISTURBANCE. - Rough. High.

Districts. Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 2nd October 1920.

1. S.E. England	Wind mainly between S. and W., light or moderate, fresh in places; variable sky, some showers; visibility fair or good; day temperature moderate, night cool.	Changeable some rain fairer intervals
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales	Wind mainly South-easterly, light to moderate; much cloud, rain at times; visibility indifferent to fair; moderate or rather low temperature.	
7. North Wales		
8. N.W. England		
9. N. Midlands		
10. N.E. England		
11. E. Scotland	Wind between E. and SE, light to fresh, strong locally; dull, rainy, then improving somewhat; mist locally; visibility indifferent to fair; moderate temperature.	
12. S.W. Scotland		
13. Isle of Man		
14. N. & N.W. Scotland		
15. Hebrides		
16. Orkneys and Shetlands	Wind varying between SE and SW or W, light or moderate; variable cloud, some rain; visibility fair or good; moderate or rather low temperature.	
17. N.W. Ireland		
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		

South Coast
 hoisted at 15h
 1-10-1920.

SYNOPTIC CHART FOR MORNING OF SATURDAY, 2nd OCTOBER, 1920.



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

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGE 1 & 2)			
0. Dense fog.	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. Satisfactory	"	7,000	" (4.3 miles)
6. Fair	"	12,000	" (7.5 "
7. Good	"	20,000	" (12.4 "
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. 276.

SATURDAY,
2nd OCTOBER

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. 9h-17h.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.
Oban ...	od	o.c.o	57	52	0.3	1	0.4	7.3	Douglas (L.O.M.)	...	...	...	...	...	...	...	...
Banff ...	od	rd	56	53	0.1	5	0.0	0.0	Blackpool ...	...	...	...	...	...	...	...	...
Montrose ...	of	or.f	55	54	3	11	0.0	0.0	Southport ...	...	...	...	...	...	...	...	...
St. Andrews ...	...	...	55	53	1	15	0.0	0.0	MORECAMBE	...	...	...	...	...	...	...	...
Harrogate ...	b.bc	c.o.p.o	59	55	2	1	3.4	0.1	Buxton ...	...	...	...	...	...	...	...	...
Scarborough ...	b.	bc	55	53	7	-	2.5	0.0	Leamington Spa...	...	...	...	...	...	...	...	...
Skegness ...	bo	a.bc	60	53	4	-	4.1	0.1	Malvern ...	...	...	...	...	...	...	...	...
Lowestoft ...	b.bc	b.c.o.p	62	53	0.4	1	3.3	4.0	Bath ...	...	...	...	...	...	...	...	...
Felixstowe ...	b.	or	61	52	2	1	4.6	7.3	Rhyl ...	...	...	...	...	...	...	...	...
Southend-on-Sea...	o.c.o	o.pd	62	49	3	0.4	1.8	5.1	Colwyn Bay ...	...	...	...	...	...	...	...	...
Tunbridge Wells	c.o.c.or	o.p	59	45	4	4	1.5	2.9	Llandudno ...	...	...	...	...	...	...	...	...
Margate ...	b.	b.c.c.or	63	49	3	1	5.2	6.2	Aberystwyth ...	...	...	...	...	...	...	...	...
Ramsgate ...	...	...	65	47	4	-	5.4	6.3	Tenby ...	...	...	...	...	...	...	...	...
Folkestone ...	b.bc	o.p	61	51	5	3	4.4	6.4	Swansea ...	...	...	...	...	...	...	...	...
Hastings ...	o.p	o.p	61	49	4	4	2.4	6.0	Weymouth ...	...	...	...	...	...	...	...	...
Eastbourne ...	c.o.p.o	...	62	51	6	5	1.8	5.3	Teignmouth ...	...	...	...	...	...	...	...	...
Brighton ...	or	ro	59	49	9	4	0.4	5.1	Torquay ...	...	...	...	...	...	...	...	...
Worthing ...	or	rc	59	48	8	2	0.3	4.0	Paignton ...	...	...	...	...	...	...	...	...
Littlehampton ...	o.c.p.	b.bc	61	49	4	1	0.3	3.0	Penzance ...	...	...	...	...	...	...	...	...
Portsmouth (S. Sea)	...	...	61	49	4	3	2.4	1.6	Newquay ...	...	...	...	...	...	...	...	...
Bournemouth ...	...	...	61	47	8	1	4.3	0.1	Bude ...	...	...	...	...	...	...	...	...
Ventnor (I. of W.)	...	...	63	52	5	1	1.8	1.8	Ilfracombe ...	...	...	...	...	...	...	...	...
									Weston-s-Mare ...	...	...	...	...	...	...	...	...

STATIONS.

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.

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	1.6-3.0	
3	8-12	3.4-5.4	
4	13-18	5.5-7.9	
5	19-24	8.0-10.7	
6	25-31	10.8-13.8	
7	32-38	13.9-17.1	
8	39-46	17.2-20.7	
9	47-54	20.8-24.4	
10	55-63	24.5-28.1	
11	64-75	28.2-32.8	
12	Above 75	32.9 or above	

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

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

SOUTH KENSINGTON (Meteorological Office).

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

Stations.	2 nd & 3 rd OCTOBER 1920.	
	Sunrise.	Noon.
Greenwich (Royal Observatory)	5.57	11.42
City (Bunhill Row)	5.58	11.42
Westminster (St. James's Park)	5.59	11.42
Camden Sq. (British Rainfall)	5.59	11.42
Kenington Palace	5.59	11.42
Hampstead Observatory	5.59	11.42
Yarmouth	5.57	11.42
Greenwich	5.57	11.42
Wick	5.57	11.42
Valencia	5.57	11.42

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minors at Greenwich Observatory.

Exposure from 10^h 15^m to 10^h 45^m.
to 2nd 4th 45^m.

Stars.	Duration of Exposure.	Duration of Record.
Polaris	10. 0	3. 16
8 Ursae	10. 0	2. 7
Minors	10. 0	2. 7

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell very generally, the quantity being large in many places; 19 mm in London (Kew Obs), 16 mm at Calshot, 14 mm at Aberdeen and 18 mm at Stornoway. Bright sunshine records were slight generally, but high at several stations in the S.W.; 8.2 hrs at Teignmouth. Temperature exceeded 60° in many parts of England and touched 60° in the South of Ireland.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 24,500

SUNDAY... 3RD OCTOBER..... 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H 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.	
18H. G.M.T. OF 2ND.....																							
Renfrew ...	997.4	-1	NE	2	53	85	7	2,000	St Cu	10	-	996.3	0	SSW	2	0	53	85	6	3,000	St Cu	9	-
Esksdalemuir ...	997.6	-2	-	0	54	75	7	-	Cu	5	a Cu	997.3	+1	-	0	bc	47	85	7	-	St Cu	3	a Cu
Valencia (Cahire'n) ...	996.8	-1	SSW	2	52	75	8	3,000	Cu	3	-	993.6	-4	SSW	1	bc	49	85	8	3,000	Cu	1	a Cu
Baldonnel ...	997.0	-1	-	0	52	85	5	4,500	St	7	a St	996.5	-1	-	0	c	51	85	6	1,250	St Cu	7	-
MANCHESTER (ALEX. ...)	997.2	-1	SSE	2	58	75	5	2,000	St	10	-	998.1	+2	S	2	Rz. 35	49	92	4	750	Nb	10	-
Ross on Wye ...	997.9	0	WSW	2	53	92	8	3,000	Nb	10	-	999.8	+2	SSW	3	cr	51	85	8	3,000	Cu Nb	7	a St
Falmouth ...	999.3	0	SW	3	58	75	8	2,000	Cu Nb	3	-	999.8	0	SSW	3	b	51	92	8	-	Cu Nb	2	-
Calshot (Hants) ...	1000.6	+3	WSW	4	58	75	8	2,000	Cu	7	-	1002.7	+2	S	4	OT	54	85	7	750	Nb	9	-
Lymington (Folkestone) ...	1002.2	+1	S	6	58	75	8	1,250	Cu	6	a Cu	1004.1	+3	S	2	bc	51	85	8	1,250	St	4	c
Aberdeen ...	997.7	-4	ESE	5	54	92	5	750	Nb	10	-	996.9	0	SSE	2	bife	52	92	4	750	St	2	-
Howden ...	997.8	+2	-	0	53	92	3	750	St	10	-	998.6	+1	-	0	025	48	97	4	2,000	St Cu	10	-
Cranwell (Lincs) ...	998.2	+1	S	3	58	75	7	7,200	Cu	6	a	1000.0	+1.3	S	3	bc	52	85	4	4,200	St	4	a Cu
Felixstowe ...	1002.7	+1	S	6	60	75	8	3,000	Cu	2	a Cu	1004.8	+3	SSW	5	bc	58	65	8	4,200	Cu	3	a
Shoeburyness ...	1000.8	+2	SSW	6	59	65	7	2,000	St Cu	5	a Cu	1003.1	+2	SSW	2	b	54	75	7	-	-	a St	2
Benson ...	998.6	+1	SSW	3	57	75	3	-	Cu	8	-	1001.7	+2	S	2	b	51	85	8	-	-	-	-
S. Farnborough ...	999.4	+1	SW	6	59	75	8	4,200	Cu	7	-	1002.4	+4	SSW	4	bc	51	85	7	2,000	Cu Nb	4	-
London (Kew Obs.) ...	999.6	+1	S	4	56	65	5	3,000	Cu	4	-	1002.3	+3	S	3	b	55	75	8	-	-	a Cu	2
Croydon ...	1000.7	+2	SW	4	59	75	8	2,000	Cu Nb	7	-	1004.2	+3	SSW	3	bife	51	85	7	3,000	Cu Nb	1	-
1H. G.M.T. OF 3RD.....																							
Renfrew ...	997.9	0	SE	3	54	92	4	-	St	10	-	996.7	+1	SE	4	c	47	85	7	2,000	St Cu	2	a
Esksdalemuir ...	997.9	-1	SE	6	54	75	7	-	St	10	-	999.1	+1	SE	4	b	45	85	7	2,000	St	1	a
Valencia (Cahire'n) ...	992.7	-13	SE	6	52	75	8	-	St	10	-	974.3	-2	SSW	4	OT	54	92	5	750	St	10	-
Baldonnel ...	993.0	-2	S	4	54	75	7	-	St Cu	1	-	988.2	-5	SE	6	og	53	85	6	4,500	St	10	-
MANCHESTER (ALEX. ...)	997.2	-1	SSE	2	58	75	5	2,000	St	10	-	999.7	0	ESE	5	OT	48	92	6	4,200	St Cu	1	a
Ross on Wye ...	997.9	0	WSW	2	53	92	8	3,000	Nb	10	-	999.8	+2	SSW	3	cr	51	85	8	3,000	Cu Nb	7	a St
Falmouth ...	999.3	0	SW	3	58	75	8	2,000	Cu Nb	3	-	999.8	0	SSW	3	b	51	92	8	-	Cu Nb	2	-
Calshot (Hants) ...	1000.6	+3	WSW	4	58	75	8	2,000	Cu	7	-	1002.7	+2	S	4	OT	54	85	7	750	Nb	9	-
Lymington (Folkestone) ...	1002.2	+1	S	6	58	75	8	1,250	Cu	6	a Cu	1004.1	+3	S	2	bc	51	85	8	1,250	St	4	c
Aberdeen ...	997.7	-4	ESE	5	54	92	5	750	Nb	10	-	996.9	0	SSE	2	bife	52	92	4	750	St	2	-
Howden ...	997.8	+2	-	0	53	92	3	750	St	10	-	998.6	+1	-	0	025	48	97	4	2,000	St Cu	10	-
Cranwell (Lincs) ...	998.2	+1	S	3	58	75	7	7,200	Cu	6	a	1000.0	+1.3	S	3	bc	52	85	4	4,200	St	4	a Cu
Felixstowe ...	1002.7	+1	S	6	60	75	8	3,000	Cu	2	a Cu	1004.8	+3	SSW	5	bc	58	65	8	4,200	Cu	3	a
Shoeburyness ...	1000.8	+2	SSW	6	59	65	7	2,000	St Cu	5	a Cu	1003.1	+2	SSW	2	b	54	75	7	-	-	a St	2
Benson ...	998.6	+1	SSW	3	57	75	3	-	Cu	8	-	1001.7	+2	S	2	b	51	85	8	-	-	-	-
S. Farnborough ...	999.4	+1	SW	6	59	75	8	4,200	Cu	7	-	1002.4	+4	SSW	4	bc	51	85	7	2,000	Cu Nb	4	-
London (Kew Obs.) ...	999.6	+1	S	4	56	65	5	3,000	Cu	4	-	1002.3	+3	S	3	b	55	75	8	-	-	a Cu	2
Croydon ...	1000.7	+2	SW	4	59	75	8	2,000	Cu Nb	7	-	1004.2	+3	SSW	3	bife	51	85	7	3,000	Cu Nb	1	-

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 0-2.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.	
			Direc.	Force 0-12.		at M.S.L. mb.	Change in 8 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.		
18H. G.M.T. of 2ND.....						TH. G.M.T. of 3RD.....						24 HOURS ENDED 7H. on 3RD.....										20th
Lerwick	1005.2	53	E	8	omdg.	1007.4	+3	53	0	SE	9	-	omg	4	2	53	40	omdg.	omg	omg	4	
Stornoway	994.2	51	SE	1	or	993.3	0	53	-1	SE	5	-	bc	4	2	51	50	bc	bc	or	5.2	
Castlebay (Barrals)	994.0	52	ESE	3	c	994.1	-1	53	0	ESE	7	-	op	6	1	56	51	op. bc	op. bc	or	5.6	
Malin Head	993.4	53	SSE	2	bcv	983.9	-5	52	+5	S	6	S	c	4	-	58	46	c	cv	bc	1.6	
Blacksod Point	992.6	52	SSW	2	bc	992.1	-11	54	+7	SE	9	-	or	8	11	56	47	bc	bc	bc	*	
Roche's Point	995.3	53	S	3	c	981.3	-6	56	+10	SE	8	-	or	6	11	57	45	b. bc. b.	bc. op	op. or	*	
Birr Castle	994.2	50	S	1	c	981.0	-	53	+11	SE	4	-	r	*	1	57	41	c	c	op. p. o	9.6	
Donaghadee	996.8	52	S	2	b	992.9	-1	53	+10	S	5	N	cmg	6	6	58	42	bcv	bc	bc	*	
Liverpool (Bidston)	997.4	49	SW	2	o	997.2	-2	46	-1	SE	4	E	bc	3	5	56	43	o	c. or. bc	op. bc	2.1	
Holyhead	997.1	53	S	2	bc	992.4	-3	53	+8	SSE	7	S	bcg	5	0.2	58	44	b. bc. c	c. bc	op. bcg	6.3	
Pembroke (St. Ann's)	998.2	54	SSW	3	bcv	994.1	-3	53	+8	SE	7	-	op	6	3	56	47	cpv.	cpv	cp. vq	2.6	
Scilly (St. Mary's)	999.2	54	SSW	3	c	990.6	-6	55	+3	SE	6	-	orm	6	1	59	47	c. bc. cp	bc. cp	bc. or	7.5	
Jersey (St. Aubin)	1002.9	55	SW	4	b	1001.5	0	56	+2	S	4	-	b	4	2	61	53	c. b.	b. op. b	b	7.2	
Portland Bill	1000.2	57	WNW	4	bc	999.1	-2	57	-1	S	6	S	c	6	2	59	57	cp. bc	bc	bc. bc. c	*	
Dungeness	1003.3	58	SW	4	b	1004.4	0	55	-2	SSW	4	S	bc	4	1	60	58	bc	bc	bc. bc. c	*	
Wick	996.5	54	ESE	7	omg.	998.8	+3	53	-1	SE	7	-	cmg	7	2	54	51	omg.	omg.	omg.	*	
Nairn	994.4	50	-	0	c	997.0	-	49	-1	-	0	-	bcg	0	5	55	43	bc. cd	d. p. or	op.	1.7	
Leith	996.0	51	SE	1	c	998.8	+1	45	-6	SE	1	SE	bc	1	3	54	45	omr	or. o. cm	a. c. cm	*	
Tynemouth	997.9	51	SSE	2	omp	1001.3	+1	48	-1	SSW	2	-	bc	4	11	54	46	omp	omp	bc. bc. bc	*	
Spurn Head	999.7	55	S	4	bc	1003.4	0	54	-2	SE	5	S	bcg	3	6	60	48	c	bc	bc. bcg	*	
Yarmouth (Dor. Bidston)	1003.6	56	SSW	5	bc	1000.1	0	58	-2	SSW	4	-	bc	3	2	62	50	bcg	bcg	bc. bcg	8.0	
Clacton-on-Sea	1003.2	57	SSW	5	bc	1004.4	0	56	-1	S	4	SW	bc	3	3	61	53	cp. bc	bc. cp	bc. bc. bc	9.5	
Nottingham	999.4	51	S	2	c	1001.5	-	46	-5	ESE	2	-	b	*	3	59	41	op. pc.	or. bc. b	bc. b	2.0	

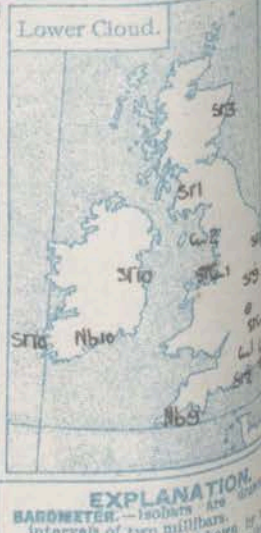
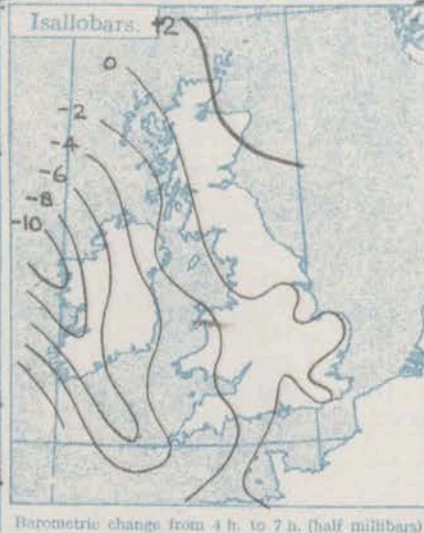
* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

§ For code see page 3

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 3.10.20.

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 or fine.	Good.	Mod.	5	2nd	0718	55	54
2. E. England	Mainly fair or fine.	Good.	Slight	3	2nd	0920	56	53
3. E. Midlands	Fine.	Fair.	-	1	2nd	1129	60	58
4. W. Midlands	Fair or fine.	Good	-	6	2nd	1420	60	61
5. S.W. England	Cloudy to dull rain in West.	Fair	Rough.	4A	3rd	0330	56	54
6. South Wales	Dull, squally.	Good	"	3	3rd	?	56	54
7. North Wales	Fair, squally.	V. Good	R. Rough					
8. N.W. England	Fine to cloudy, squally.	Good	"					
9. N. Midlands	Fine.	"	-					
10. N.E. England	Fair or fine.	Fair.	Mod.					
11. E. Scotland	Fair or fine.	Good.	Slight					
12. S.W. Scotland	Fine to cloudy.	"	R. Rough					
13. Isle of Man	Cloudy squally.	"	"					
14. N. & N.W. Scotland	Fair to cloudy, local mist.	"	"					
15. Hebrides	Fair.	V. Good	Mod.					
16. Orkneys and Shetlands	Dull, misty & squally.	Poor.	High.					
17. N.W. Ireland	Dull heavy rain & fog.	Bad.	V. High					
18. N.E. Ireland	Cloudy or dull, squally.	Good.	R. Rough					
19. S.E. Ireland	Dull local rain & squalls.	Indif.	Rough					
20. S.W. Ireland	Dull, rainy.	"	R. Rough					



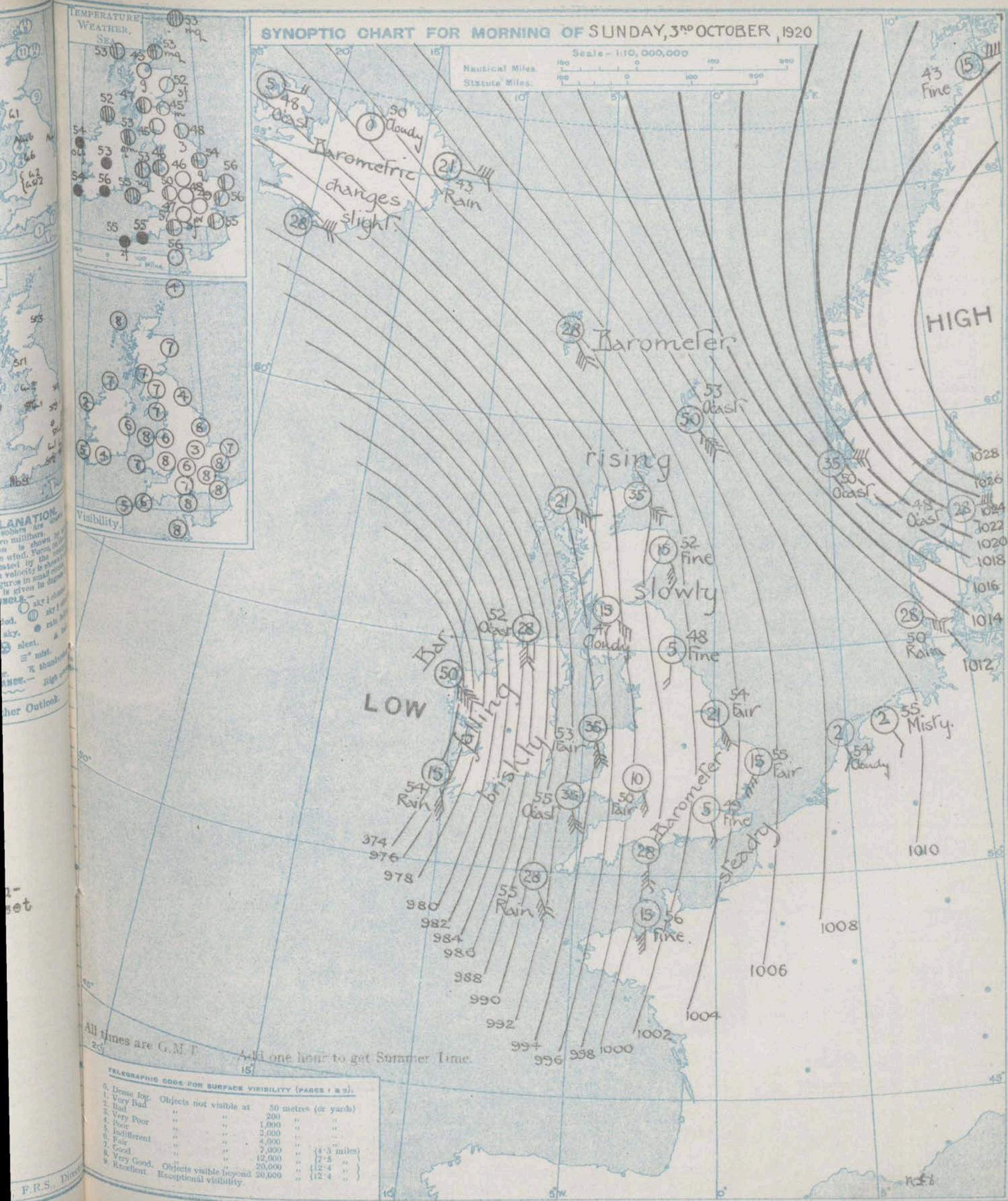
GENERAL INFERENCE from observations received up to 9h. G.M.T.
A deep depression West of Ireland will cause strong Southerly winds or gales generally, with much low cloud and rain.

EXPLANATION.
BAROMETER.—Isobars are shown 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 small figures per hour by figures in small circles.
TEMPERATURE is given in degrees.
WEATHER SYMBOLS.—
○ clear sky. ○ sky & clouds.
⊙ overcast sky. ⊙ rain.
✱ snow. ✱ sleet.
≡ fog. ≡ mist.
T thunder. T thunder.
SEA DISTURBANCE.—
Rough High

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday 3rd. October, 1920.
1. S.E. England	Wind Southerly, fresh to strong; Much low cloud, some rain; visibility fair to good; moderate temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Wind Southerly, strong to a gale; Much low cloud, some rain; visibility fair to good; moderate temperature.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind SE, strong to a gale; Much low cloud, some rain; visibility fair to good; moderate temperature.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Wind South to South-West, strong to a gale; Much low cloud, some bright intervals; rain at times; visibility fair to good; moderate temperature.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Continuing unsettled.

SYNOPTIC CHART FOR MORNING OF SUNDAY, 3RD OCTOBER, 1920



All times are G.M.T.

Add one hour to get Summer Time.

TELEGRAPHIC CODE FOR SURFACE VIRIBILITY (PAGE 1 & 2)				
0. Dense fog.	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 1/2 miles)
6. Fair	"	"	12,000	" (7 1/2 " "
7. Good	"	"	20,000	" (12 1/2 " "
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. 2017.

SUNDAY
3RD OCTOBER 1920

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 24 HOURS.

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 ...	o.c.	o	55	49	9	-	0.3	0.4	Douglas (I.O.M.)	c.	o	59	42	-	-	3.0	0.0
Banff ...	r.	ro.	56	53	6	7	0.0	0.0	Blackpool ...								
Montrose ...	ot.	c	55	45	1	10	0.8	0.0	Southport ...								
St. Andrews ...									Midlands.								
England, N.E.									Buxton ...	rc. bc b	c b. r d	52	42	1	1	0.5	1.3
Harrogate ...	o. cp	op	59	42	1	1	0.0	3.4	Leamington Spa ...	ot.	cp d	61	47	-	6	4.0	2.0
Scarborough ...	ot.	ot	61	52	20	3	0.8	2.5	Malvern ...	cp.	pc.	55	47	-	3	2.3	4.6
Skegness ...									Bath ...	op. c. bc	op. bc. b	57	50	1	6	2.1	5.5
England, E.									Wales.								
Lowestoft ...									Rhyl ...								
Felixstowe ...	b.	b.	61	56	8	-	9.4	4.6	Colwyn Bay ...								
Southend-on-Sea ...	o. c. bop	bcp. b	64	51	7	0.4	8.5	1.8	Llandudno ...	c. bc.	cr. c.	57	44	-	2	3.3	0.3
England, S.E.									Aberystwyth ...	o. c.	c. ot	57	45	-	2	1.0	7.0
Tunbridge Wells ...	bcp. bc.	cp. bc. b	59	50	9	4	5.5	1.5	Tenby ...								
Margate ...	bc. b. p. bc.	bc. b	62	53	5	1	7.6	5.2	Swansea ...								
Ramsgate ...			60	53	8	-	8.7	5.4	England, S.W.								
Folkestone ...	bc. ot	ro. bc	62	55	7	5	7.5	4.4	Weymouth ...	cp. r.	cp. c.	62	52	3	0.2	6.3	5.6
Hastings ...	bcq.	bcq.	61	54	8	5	6.7	2.4	Teignmouth ...								
Eastbourne ...	cr. c. bc	bc	61	55	6	1	8.3	1.8	Torquay ...	ro. bc.	b. bc.	60	50	4	1	6.0	6.7
Brighton ...									Paignton ...	ot. p. bc	bcp. bc	61	46	4	1	5.8	7.0
Worthing ...	bcp.	bc. b	60	52	10	1	9.0	0.3	Penzance ...	bc.	bc	59	50	1	-	8.0	6.0
Littlehampton ...	bcp.	p. bc	61	52	4	2	7.2	0.3	Newquay ...								
Portsmouth (S. thea) ...			61	50	6	1	8.3	2.6	Bude ...								
Bournemouth ...			60	51	4	1	6.8	4.3	Ilfracombe ...								
Ventnor (I. of W.) ...			60	52	6	-	7.8	1.8	Weston-s-Mare ...								

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION. b blue sky (not more than a quarter covered). bc sky partly cloudy (one half covered). c. generally cloudy (three quarters covered). d drizzle, or fine rain. e wet air without rain falling. f fog. g gloom. h hail. i lightning. m mist. o overcast sky. p passing showers. q squalls. r rain. rs sleet, i.e., rain and snow together. s snow. t thunder. u ugly, threatening sky. v unusual visibility. w dew. x hoar frost. y dry air; humidity less than 60 per cent. z dust haze; the turbid atmosphere of dry weather.	THE BEAUFORT SCALE OF WIND FORCE. 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-18h ²⁴	18h-18h ²⁴	18h ²⁴ -1h ²⁴	1h-7h ²⁴				Day. 7h-18h	Night. 18h-7h				Statute miles per hour.	Metres per second.
Renfrew ...	c. o. f.	c. o. f.	bc. cw	b. bc. cw	56	44	34	-	-	1.7				
Eskdalemuir ...	o. c. o.	bc. c.	o. o. f.	o. f. bc. c.	56	43	40	1	1	2.1				
Valencia (Cahire'n) ...	bc. c. p. bc.	p. bc. b. bc.	c. o. o.	RR. RR.	58	44	42	2	26	8.1				
Baldonnel ...	bc. cp.	o. f. p.	b. bc. b. bc.	c. o. g.	55	42	43	-	-	*				
MANCHESTER ... (Alex. M.)	c. o. f.	o. f. RR.	o. f. RR.	b. bc.	59	44	34	5	1	*				
Ross on Wye ...	o. f. RR.	o. f. RR.	o. f. RR.	b. bc.	55	45	44	12	0.2	1.5				
Falmouth ...	c. bc. p. bc.	p. bc. c.	b. bc.	b. bc. c. o.	59	48	44	2	1	6.2				
Calshot (Hants) ...	q. p.	c. op.	b. bc. c.	p. bc. c.	59	52	4	2	1	7.8				
Lympne (Folkestone) ...	o. f. o. p.	bc. cp.	bc. c. b. bc.	b. bcw	58	49	39	1	Trace	8.3				
Aberdeen ...	RR. q.	o. f. p. o. f.	o. f. p.	p. f. bc.	55	49	43	2	2	0.0				
Howden ...	ro. d.	ro. d.	bc.	b. bcw	53	43	39	5	1	1.1				
Cranwell (Lincs) ...	ro. c. o.	p. bc. c.	b. bcw	b. c. o.	60	44	36	2	5	?				
Felixstowe ...	b. bc. b. bc.	p. bc. c.	b. bc.	b. bc.	63	52	4	*	*	*				
Shoeburyness ...	p. bc. c.	q. p.	b. bc.	p. b. bc.	63	48	45	1	1	8.4				
Benson ...	b. bc.	R. b.	b. bc.	b. bc.	60	44	42	2	1	*				
S. Farnborough ...	b. bc. o. p.	bc. cp.	p. b.	b. bc. f.	61	43	36	0.2	0.2	7.6				
London (Kew Obs.) ...	ro. f.	p. bc. c.	b. bc. b.	b. w.	60	47	34	1	Trace	7.5				
Croydon ...	b. bc. p. bc.	bc. bc. f.	bc. bc. f.	b. f.	60	46	4	1	Trace	*				

LONDON OBSERVATIONS.		WEATHER.			Max. Temp. °F.		Min. Temp. °F.		Min. on Grass °F.		Rain-fall. mm.	Sun-shine to Sunset. Hours.	Humidity %		SOUTH KENSINGTON (Meteorological Office).		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.					
		Morning.	Afternoon.	Night.									15 h. G.M.T.	9 h. G.M.T.			3 RD & 4 TH OCTOBER 1920.					
		24 HOURS ENDED 9H G.M.T. 3 RD										YESTERDAY.		TO-DAY.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.		Stations.	Sunrise.	Noon.	Sunset.	
																			G.M.T.	G.M.T.	G.M.T.	
Greenwich (Royal Observatory)	c.p	b.o.c.bc	bc.o.b	64	44	34	2	9.1	64	85							Yarmouth...	5.58	11.42	6.25		
City (Bunhill Row)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Greenwich	6.0	11.42	5.25		
Westminster (St. James's Park)	*	*	*	64	49	41	1	?	82	73	*	*	*	*	*	*	Wick	6.23	12.1	6.14		
Camden Sq. (British Rainfall)	bc.tr	bc.c.bc	*	64	46	42	2	*	72	74	*	*	*	*	*	*	Valencia	6.45	12.30	6.12		
Kensington Palace	bc.p.bc	bc.bc.b	*	62	44	38	3	*	68 (18h)	77	*	*	*	*	*	*						
Hampstead Observatory	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*						
																	Total..... Joules.					
																	Milliwatts.					
																	Average Rate.					
																	Maximum Rate.					

Photographic Record of Pole Star (Polaris) and of 8 Ursae Minoris at Greenwich Observatory.					NOTES ON THE WEATHER OF YESTERDAY.									
Exposure from h. m. to h. m.					Rain fell generally, 24mm at Aberdeen and 28mm at Valencia being the largest totals. There were some good records of bright sunshine in the South of England, 8½ hours at Clacton, Lympne and Shoeburyness. There was thunder and lightning on the East coast from Shoeburyness up to Spurn Head. There was an easterly gale in the Shetlands throughout the twentyfour hours, and a South-East gale sprang up in the night in the South and West of Ireland.									
Stars.	Duration of Exposure.		Duration of Record.											
Polaris	h. m.		h. m.											
8 Ursae Minoris	h. m.		h. m.											

* Information for these columns not usually received.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21,501

MONDAY, 4TH OCTOBER, 1920.

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

STATIONS.	12H. G.M.T. OF 3rd										18H. G.M.T. OF 3rd																					
	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.								
Renfrew ...	996.3	-1	ESE	6	oq	58	65	7	2000	Cu	2	Ast	7	997.8	+0	ESE	6	oq	56	65	6	2,000	Sd	7	Ast	3						
Eskdalemuir ...	997.1	-2	SE	6	bca	56	65	7	-	Cu	3	Cst	3	997.1	+0	SE	6	ormy	52	85	5	1,250	Nb	10	-							
Valencia (Cahire'n)	975.5	+2	S	4	bc	57	85	8	3,000	Cu	5	-	1	976.3	+1	SSW	6	bc	75	7	3,000	Cu	6	-	4							
Baldonnel ...	985.3	-2	SE	6	ormy	57	92	8	750	St.	10	-	-	983.8	+1	S	6	ormy	56	92	6	2,000	Sd	10	-							
Didsbury ...	998.4	-1	SE	7	ov	59	65	9	4200	Cu	3	Cst	6	997.7	+1	SSE	7	ormy	55	92	6	750	Nb	10	-							
Ross on Wye ...	997.1	-2	S	4	ov	57	75	8	2000	Nb	7	Ast	3	996.8	0	SSE	4	orm	56	92	6	1,250	Nb	10	-							
Falmouth ...	990.0	-4	S	8	orm	57	97	2	-	Nb	10	-	-	989.3	0	SSE	9	ormy	58	97	3	-	Nb	10	-							
Calshot (Hants) ...	1000.6	-1	SSE	6	ov	59	85	8	2000	Cu	3	Ast	7	1000.6	+1	S	6	ov	59	85	5	1,250	Sd	10	-							
Lymington (Folkestone) ...	1005.3	+1	SSE	5	bca	59	75	8	2000	St.	1	Cu	4	1005.1	0	S	5	ov	58	75	8	2,000	Sd	9	Ast							
Aberdeen ...	1002.9	0	SE	5	bca	57	85	7	1250	St.	6	-	4	1003.0	0	SE	5	bca	54	92	6	1,250	Sd	3	Ast							
Howden ...	1001.2	0	SSE	6	ov	57	75	8	3,000	Cu	7	Ast	1	1001.7	+1	SE	6	orm	55	92	6	2,000	Nb	9	Ast							
Cranwell (Lincs) ...	1002.1	0	SSE	3	c	58	65	8	750	Cu	8	-	-	1002.4	0	SE	5	ov	56	75	8	-	-	10	-							
Felixstowe ...	1006.8	0	S	4	b	61	65	10	4200	Cu	1	Ast	1	1006.6	0	SSE	5	ov	60	75	7	4,200	Sd	7	Ast							
Shoeburyness ...	1004.9	+1	SSW	3	b	63	65	7	-	-	Ast	2	1004.9	0	SSE	2	ov	60	75	7	-	-	10	-								
Benson ...	1000.6	-1	SSE	5	bc	61	65	8	-	Cu	3	-	2	1000.3	0	SSE	6	ov	55	92	5	-	Nb	10	-							
S. Farnborough ...	1001.9	-1	SSE	6	ov	60	75	7	3000	Cu	5	Ast	4	1001.7	0	SSE	5	orm	55	97	5	1,250	Nb	10	-							
London (Kew Obs.) ...	1002.6	-1	SSE	4	c	62	65	8	7200	Cu	5	Cu	3	1002.0	+1	SSE	3	orm	56	85	5	2,000	Nb	10	-							
Croydon ...	1003.6	+1	SSE	5	c	62	65	8	2000	Cu	3	Cst	5	1003.9	+1	SSE	6	orm	55	92	6	1,250	Nb	10	-							
1H. G.M.T. OF 4th																																
Renfrew ...	997.8	0	ESE	6	oq	53	92	7	-	Nb	10	-	998.3	+5	ESE	4	orm	57	85	6	1250	Nb	10	-	-							
Eskdalemuir ...	997.7	+2	SSW	7	ormy	56	85	5	-	-	-	-	1000.6	+2	SE	5	ormy	53	92	5	1250	Nb	10	-	-							
Valencia (Cahire'n) ...	978.7	+2	SSW	7	ormy	56	85	5	-	-	-	-	981.2	+5	SSE	6	cp	57	85	7	2000	Cu	6	Ci	2							
Baldonnel ...	988.3	+3	S	4	o	53	85	5	750	St.	9	-	992.6	+3	SE	4	bca	55	75	6	2000	St.	5	-	6							
Didsbury ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*									
Falmouth ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*									
Calshot (Hants) ...	991.9	+3	SSW	7	o	56	92	6	-	Nb	10	-	995.5	+5	SSW	3	b	58	92	6	-	Nb	2	-	-							
Lymington (Folkestone) ...	1001.3	+2	S	6	orm	58	55	6	750	Nb	10	-	1002.4	+2	SSW	5	ov	59	85	7	750	St.	10	-	3							
Aberdeen ...	1005.7	0	SSE	6	ov	57	75	8	4200	St.	10	-	1006.5	+2	SSE	5	ov	56	85	7	3000	St.	10	-	-							
Howden ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*									
Cranwell (Lincs) ...	1002.3	+1	SSE	6	ov	57	85	6	750	Nb	10	-	1003.8	+2	SSE	4	orm	55	97	6	2000	St.	10	-	-							
Felixstowe ...	1004.2	0	SE	4	ov	57	97	5	1250	Nb	10	-	1004.0	+1	SE	5	orm	55	92	8	4200	Nb	4	Cu	6							
Shoeburyness ...	1007.3	0	SSE	5	o	59	75	7	-	-	Ast	10	1007.0	+1	SSE	5	c	59	85	7	4200	St.	9	-	4							
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	1006.1	+1	SE	5	c	57	75	7	4200	St.	4	Ast	3							
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	1002.1	+4	SE	5	o	57	85	6	-	St.	10	-	-							
London (M.O. at 1h) ...	1003.7	+1	*	*	*	*	*	*	*	*	*	*	1003.3	+3	SE	5	ov	56	92	7	2000	Nb	4	Ast	5							
Croydon ...	1004.3	0	SSE	4	ov	58	75	7	2000	St.	9	Ast	1	1004.0	+1	SSE	4	orm	58	75	8	2000	Nb	7	Ast	2						
1005.1	+2	SSE	5	ov	57	85	7	2000	Nb	7	Ast	2	1005.1	+2	SSE	5	ov	57	85	7	2000	Nb	7	Ast	2							
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																																
STATIONS.	18H. G.M.T. OF 3rd										7H. G.M.T. OF 4th										24 HOURS ENDED 7H. 4th											
	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.	Rainfall mm.	Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	Sunshine Hours.	
Lerwick ...	1010.4	52	SE	9	ormy	1014.4	+2	51	-2	SE	9	SE	ormy	7	-	54	47	ormy	ormy	ormy	ormy	ormy	ormy	ormy	ormy	ormy	ormy	ormy	ormy	ormy	ormy	ormy
Stornoway ...	993.0	56	SE	6	ormy	996.8	+4	58	+5	ESE	6	SE	odq	5	1	58	52	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	
Castell Bay (Barra) ...	997.6	55	E	8	op qg	994.4	+5	55	+2	E	4	-	o	*	7	56	53	op qg	op qg	op qg	op qg	op qg	op qg	op qg	op qg	op qg	op qg	op qg	op qg	op qg	op qg	
Malin Head ...	980.4	54	SE	7	orm	990.3	+3	52	0	SSE	3	SW	bc	4	7	55	48	o	o	o	o	o	o	o	o	o	o	o	o	o	o	
Blacksod Point ...	976.3	57	SE	4	bca	984.9	+5	55	+1	SW	6	-	bca	86	18	58	52	orm	orm	orm	orm	orm	orm	orm	orm	orm	orm	orm	orm	orm	orm	
Roche's Point ...	981.6	57	S	4	o	988.0	+6	57	-	SSE	6	-	o	6	48	59	53	o	o	o	o	o	o	o	o	o	o	o	o	o	o	
Birr Castle ...	980.6	54	SE	2	c	988.7	+	55	+2	SE	2	-	c	*	9	57	51	o	o	o	o	o	o	o	o	o	o	o	o	o	o	
Donaghadee ...	989.3	57	SSE	7	ormy	995.7	+6	54	+1	S	4	-	oq	4	11	57	54	orm	orm	orm	orm	orm	orm	orm	orm	orm	orm	orm	orm	orm	orm	
Liverpool (Bidston) ...	994.2	56	SE	6	o	997.5	?	56	+10	SE	5	E	o	5	0.1	58	46	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	
Holyhead ...	988.7	58	SE	7	oq	994.9	+3	56	+3	SSE	5	-	cm	4	9	60	52	bca	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	
Pembroke (St. Ann's Head) ...	987.0	58	SE	5	oq	995.2	+4	57	+2	S	5	5	cq	6	25	59	52	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	
Scilly (St. Mary's) ...	986.2	57	SSE	4	o	992.1	+2	57	+2	S	4	3	c	6	15	60	55	orm	orm	orm	orm	orm	orm	orm	orm	orm	orm	orm	orm	orm	orm	
Jersey (St. Aubin) ...	1000.2	60	SE	6	oq	1001.1	+1	59	+3	S	5	-	opq	5	1	61	55	b op	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	
Portland Bill ...	996.9	58	SSE	8	orm	1000.1	+4	59	+2	S	7	-	oq	7	3	60	54	c.orm	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	oq	
Dungeness ...	1004.3	61	S	4	c	1004.6	0	59	+2	S	5	-	c	5	-	62	55	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	
Wick ...	1001.5	55	SE	8	ormy	1004.9	+4	54	+1	SE	9	-	ormy	8	-	55	52	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	
Nairn ...	999.3	55	SSE	3	c	1001.3	+	58	+9	SSE	4	-	cq	3	-	59	48	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	
Leith ...	996.6	56	SE	3	o	1000.3	+2	55	+10	SE	1	-	orm	1	3	60	45	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	
Tynemouth ...	1000.5	54	SE	6	cq	1003.4	+2	54	+6	SE	6	-	orm	5	7	56	48	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	bca	
Spurn Head ...	1002.9	58	SE	6	cq	1004.8	0	58	+4	SE	7	-	cq																			

Barometric change from 4 h. to 2 h. (half millibars)

A large depression on the Atlantic to the Westward of Ireland will maintain a Southerly to South Easterly wind over the British Isles, but the force is likely to decrease generally. Much cloud is probable with some rain or showers in most places, but alternating with fairer intervals.

None
Issued.

SYNOPTIC CHART FOR MORNING OF MONDAY, 4TH OCTOBER, 1920.

Scale - 1:10,000,000
Nautical Miles. 100 0 100 200
Statute Miles. 160 0 160 320

TEMPERATURE WEATHER SEA.

ANATION.
Cloud are shown by numbers in circles.
Wind force is shown by the number of strokes.
Direction is shown by the letter of the alphabet.
Rain is shown by a vertical line with horizontal dashes.
Snow is shown by a vertical line with dots.
Mist is shown by a wavy line.
Fog is shown by a solid line.
Thunder is shown by a jagged line.
Hail is shown by a line with triangles.
Ice is shown by a line with crosses.
High water is shown by a line with a dot.
Low water is shown by a line with a cross.

Barometer rising

LOW

HIGH

generally

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

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).

Code	Description	Objects visible at	Distance
0	Dense fog.	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 "
6	Fair	" "	12,000 " (4-5 miles)
7	Good	" "	20,000 " (12-4 ")
8	Very Good.	Objects visible beyond	20,000 "
9	Excellent.	Exceptional visibility.	20,000 " (12-4 ")

French reports refer to 6h. GMT.

SYNOPTIC CHART FOR MORNING OF MONDAY, 4TH OCTOBER, 1920.

Scale - 1:10,000,000
Nautical Miles. 100 0 100 200
Statute Miles. 160 0 160 320

TEMPERATURE WEATHER SEA.

Barometer rising

HIGH

LOW

generally

Fine

Cloudy

Rain

Ocast

Misty

Showery

Inzle

Drizzle

Very Bad

Poor

Fair

Good

Very Good

Excellent

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[illegible]

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TEMPERATURE WEATHER SEA.

ANATION.
Cloud are shown by numbers in circles.
Wind force is shown by the number in the circle.
Direction is shown by the arrow.
Rain is shown by the symbol.
Mist is shown by the symbol.
Fog is shown by the symbol.
Thunderstorm is shown by the symbol.
Hail is shown by the symbol.
Snow is shown by the symbol.
Ice is shown by the symbol.
High water is shown by the symbol.
Low water is shown by the symbol.

Barometer rising

LOW

HIGH

generally

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

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4	Poor	" "	4,000 " "
5	Indifferent	" "	7,000 " "
6	Fair	" "	12,000 " (4-5 miles)
7	Good	" "	20,000 " (7-8 ")
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Nautical Miles. 100 0 100 200
Statute Miles. 160 0 160 320

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Barometer rising

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LOW

generally

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Cloudy

Rain

Ocast

Misty

Showery

Inzle

Drizzle

Very Bad

Poor

Fair

Good

Very Good

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Direction is shown by the letter of the alphabet.
Rain is shown by a vertical line with horizontal dashes.
Snow is shown by a vertical line with dots.
Mist is shown by a wavy line.
Fog is shown by a solid line.
Thunder is shown by a jagged line.
Hail is shown by a line with triangles.
Ice is shown by a line with crosses.
High sea is shown by a line with small circles.
Low sea is shown by a line with small squares.

Barometer rising

LOW

HIGH

generally

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

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).

Code	Description	Objects visible at	Distance
0	Dense fog.	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 " "
6	Fair	" "	12,000 " (4·3 miles)
7	Good	" "	20,000 " (7·5 ")
8	Very Good.	Objects visible beyond	20,000 " (12·4 ")
9	Excellent.	Exceptional visibility.	" "

French reports refer to 6h. GMT.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 278

Monday
4th October

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.	Day.	to 17h.	Sunrise to Sun- set.			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night.	Day.	to 17h.	Sunrise to Sun- set.
						17h-9h.	9h-17h.									2nd-3rd.	3rd.			2nd-3rd.	3rd.	2nd.
Scotland.	Oban Banff Montrose St. Andrews	bcq	bcq	58	48	8	-	7.0	0.0	England, N.W.	Douglas (I.O.M.) Blackpool Southport MORECAMBE	c	o	60	45	6	-	4.3	3.0
England, N.E.	Harrogate Scarborough Skegness	b.b.c.c	b.cq	59	51	0.4	-	4.7	0.0	Midlands.	Buxton Leamington Spa Malvern Bath	b	or	60	43	-	3	5.0	4.0
England, E.	Lowestoft Felixstowe Southend-on-Sea	b	b	61	51	5	-	8.5	?	Wales.	Rhyl Colwyn Bay Llandudno Aberystwyth Tenby Swansea	o	o	59	54	0.3	-	2.4	?
England, S.E.	Tunbridge Wells Margate Ramsgate Folkestone Hastings Eastbourne Brighton Worthing Littlehampton Portsmouth (S. base) Bournemouth Ventnor (I. of W.)	b.c.b	b.b.cq	61	47	1	-	5.8	5.5	England, S.W.	Weymouth Teignmouth Torquay Paignton Penzance Newquay Bude Ilfracombe Weston-s-Mare	cq.p	or.q	61	52	1	2	0.7	6.3
		b	c	63	50	2	-	8.1	7.6			or	or	60	50	1	7	0.0	6.0
		*	*									or	or	58	52	3	4	0.0	8.2
		or.b	b.b.c.o	62	52	2	-	6.9	6.7			or	or	59	47	2	9	0.0	?
		b	b.cq	60	51	0.4	-	6.2	8.3			or	or	58	52	3	4	0.0	?
		bc	c.o.d	61	55	1	-	4.8	?			or	or	59	47	2	9	0.0	?
		bc	c.or	62	53	1	1	5.1	9.0			or	or	60	49	0.2	4	0.0	?
		x	x	61	52	1	1	4.4	8.3			or	or	60	49	0.2	4	0.0	?
		*	*	60	49	2	2	3.5	6.8			bc.c	cr	60	47	1	2	0.5	?
		*	*	61	51	2	1	3.8	7.8										

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.		Sun. Hours.
	7h-18h ³⁰	18h-18h ³⁰	18h ³⁰ -11h ¹⁵	1h-7h ¹⁵				Day. 7h-18h	Night. 18h-7h	
Renfrew ...	c.cq	o.f.g.	o.f.g	o.f.g.	59	56	52	mm.	mm.	4.3
Eskdalemuir ...	cq.	bc.c.f.g	q.f.g	o.f.g.	56	44	49	1	16	4.1
Valencia (Cabirc'nj) ...	RR.c.c.c.c	bc.c.c.c	bc.c.p	c.o.p	59	51	50	13	5	4.3
Baldonnel ...	rr.q	rr.q	orr	f.b.c.c	59	41	42	5	6	"
Didsbury ...	bc.c.f.	rr.q	rr.q	q.c.c.c	58	50	53	6	9	2.5
Ross on Wye...	bc.c.c.c	rr.q	rr.q	q.c.c.c	58	55	53	13	3	0.0
Falmouth ...	rr.q	rr.q	rr.q	c.o.p	61	55	59	1	3	4.4
Calshot (Hants)...	c.o.p	bc.c.c.c	RR.c.c.c	rr.q	60	53	52	-	-	7.5
Lympne (Folkestone)	b.b.cq	bc.c.c.c	q.o	o.q						
Aberdeen ...	f.g.	f.g.	z.f.g	q.f.g.	57	51	51	-	2	2.4
Howden ...	?	rr.p.d.	q.p	rr.	61	46	47	-	4	7.7
Cranwell (Lincs) ...	bc.c	c.o.c.o	c.o.p	o.f.g.	61	46	52	-	1	6.3
Felixstowe ...	b.b.c	b.b.c.c	c.o.p	c.o.p	62	56	*	*	*	*
Shoeburyness ...	b.b.c	b.b.c.c	c.o.p	c.o.c	65	53	54	-	0.2	7.7
Benson ...	b.b.c	rr.f.	o.f.g.	rr.f.	61	54	45	1	2	*
S. Farnborough ...	bc.c.o	c.o.f.g	rr.f.	rr.f.	62	47	53	1	3	5.4
London (Kew Obs.)	b.b.cq	o.f.g	p.o.q	c.o.p	62	49	53	trace	0.1	6.2
Croydon ...	b.b.c.c	c.o.f.g	o.f.g	c.o.f.g	62	50	*	0.3	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.r. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.8
1	1-3	0.8-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.6
12	Above 75	33.7 or above

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

LONDON OBSERVATIONS.

	Morning.	Afternoon.	Night.	Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	Humidity %
									15h. G.M.T. 9h. G.M.T.
Greenwich (Royal Observatory)	b.b.c	bc.c	o.p.o.p	65	54	51	trace	7.0	68 79
City (Bunhill Row)	*	*	*	*	*	*	*	6.6	*
Westminster (St. James's Park)	*	*	*	65	57	51	0.1	6.8	62 72
Camden Sq. (British Rainfall)	?	?	*	65	56	52	trace	*	75
Kensington Palace	b.b.c	o.o.m.r	*	65	54	53	0.4	8.9 (18h)	76
Hampstead Observatory	*	*	*	62	52	48	trace	6.1	74

36 HOURS ENDED 9h G.M.T. 4th

YESTERDAY. TO-DAY.

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Total Joules.	Milliwatts.	Average Rate.	Maximum Rate.
	936		22.6	54

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

4th & 5th October 1920.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.0	11.42	5.23
Greenwich	6.2	11.42	5.21
Wick	6.7	11.49	5.29
Valencia ...	6.26	12.1	5.34
	6.28	12.1	6.12
	6.47	12.30	6.10
	6.49		

Photographic Record of

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

Exposure from 3rd 18 h 30 m. to 4th 5 h 0 m.

Stars.	Duration of Exposure.	Duration of Record.	h.	m.	%
Polaris	5.30	no.			
δ Ursae Minoris	5.30	register			

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell except locally in the East and North-East. The amount was considerable at many Western Stations and as much as 21 mm. at Falmouth and 25 mm. at Pembroke. Bright sunshine was more prevalent in the S.E. and E. than elsewhere, more than eight hours being recorded in East Anglia. At several Western Stations the day was sunless. Temperature rose to about 60° in most places, and the minimum readings of the night were generally high for the time of year.

00N
0.

ENDED 7th

TEMPERATURE
Max. F.
Min. F.

70 57

73 55

75 68

73 54

78 61

81 70

81 66

86 64

84 59

82 64

84 66

Weather.

Sea

0-4

0-4

0-4

0-4

0-4

0-4

0-4

0-4

0-4

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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON: BRITISH SECTION. No. B21502 TUESDAY, 5th OCTOBER, 1920.

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

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.																													
STATIONS.	13H. G.M.T.															18H. G.M.T. OF													
	BAROM. at M.S.L.	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.	Change in 3 hours.	WIND.		WEATHER	TEMP. °F.	HUMIDITY. %	VISIBILITY 0-9.	HEIGHT of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		SEA	
			Dir.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				0-9.	Dir.						Force 0-12.	Form.	Amt. 0-10.	0-9.		
Renfrew ...	1003.1	+5	E	4	015	58	85	6	2,000	StC	8	ASc	2	4	1005.5	+2	E	2	0125	56	92	4	2,000	Nb	10	-	-	4	
Eskdalemuir ...	1004.5	+3	SE	4	010	54	92	6	1,750	Nb	8	ASc	2	4	1006.7	+2	ESE	4	0125	54	85	5	2,000	Nb	7	ASc	3	4	
Valencia (Cahire'n)	988.4	+7	SSE	6	bc	62	75	7	2,000	StC	6	-	-	6	991.7	+5	SSE	6	C	59	75	7	2,000	StC	7	-	-	5	
Baldonnel ...	997.3	+2	SSE	5	cl5	62	75	6	3,000	StC	7	ASc	1	4	999.9	+4	S	4	0125	57	85	5	2,000	StC	6	ASc	2	4	
Manchester (Alex. Mc)	1000.1	+3	SE	5	0125	59	85	5	1,250	Nb	5	ASc	5	4	1006.0	+3	SE	3	01	57	85	3	3,000	StC	8	ASc	1	4	
Ross on Wye ...	1003.5	+3	SSE	4	01	59	85	7	1,250	Nb	8	ASc	1	4	1005.2	+3	S	4	C	59	85	7	2,000	Nb	8	-	-	4	
Falmouth ...	1000.1	+3	SSE	4	bc15	63	85	6	-	StC	2	ASc	2	4	1001.8	+2	SSE	4	035	58	92	4	-	StC	9	-	-	4	
Calshot (Hants) ...	1005.7	+3	SE	4	0125	58	97	5	1,250	St	10	-	-	3	1006.4	+1	S	4	0	59	97	8	2,000	St	10	-	-	4	
Lympe (Folkestone)	1008.0	+1	SSE	4	C	61	75	8	-	-	-	ASc	7	4	1010.1	0	SSE	3	015	62	75	6	1,250	Nb	9	ASc	1	4	
Aberdeen ...	1009.6	+3	SE	5	0105	54	92	5	1,250	Nb	10	-	-	5	1011.4	+2	SE	6	0105	53	92	4	1,250	Nb	10	-	-	5	
Howden ...	1006.7	+3	SE	4	010	57	92	5	2,000	Nb	10	-	-	4	1007.9	+2	SE	1	010	56	97	4	4,500	Nb	10	-	-	4	
Cranwell (Lincs) ...	1007.3	+1	SSE	3	0	58	85	7	4,200	St	10	-	-	4	1008.8	+2	S	3	0125	56	97	5	4,200	Nb	10	-	-	4	
Felixstowe ...	1009.6	0	SSE	4	C	63	75	7	7,200	StC	2	ASc	6	4	1010.3	+2	S	4	0	62	85	7	4,200	StC	10	-	-	4	
Shoeburyness ...	1007.6	+1	SE	2	C	65	65	7	4,200	StC	3	ASc	4	4	1009.1	+2	SW	1	010	60	85	5	1,250	StC	10	-	-	4	
Benson ...	1004.8	+2	SE	4	01	57	92	4	-	Nb	10	-	-	4	1007.0	+2	SE	3	0	56	97	5	-	Nb	10	-	-	4	
S. Farnborough ...	1006.3	+2	ESE	4	010	56	97	6	1,250	Nb	7	ASc	3	4	1007.8	+3	ESE	2	015	57	97	5	1,250	Nb	6	ASc	3	4	
London (Kew Obs.)	1007.1	+3	SSE	3	01	57	85	5	1,250	Nb	10	-	-	4	1008.5	+3	SSE	1	0	57	92	5	2,000	Nb	10	-	-	4	
Croydon ...	1008.1	+2	S	1	0125	57	85	5	1,250	Nb	10	-	-	4	1009.4	+3	S	2	0125	56	97	4	1,250	Nb	9	ASc	1	4	
Renfrew ...	1008.9	+1	SEA	1	0125	54	92	5	-	Nb	4	ASc	6	4	1009.2	+1	ENE	2	015	55	92	3	1,250	St	10	-	-	4	
Eskdalemuir ...	994.1	+2	SE	5	bc	56	-	-	-	-	-	-	-	6	1008.9	0	E	2	015	55	85	6	2,000	St	7	ASc	3	4	
Valencia (Cahire'n)	994.1	+2	SE	5	bc	56	-	-	-	-	-	-	-	6	996.1	+1	E	4	0	57	75	8	2,000	St	6	ASc	2	4	
Baldonnel ...	1003.5	+2	SEA	3	0125	56	92	3	700	StC	10	-	-	4	1002.4	+1	E	3	010	56	92	6	2,000	St	10	-	-	4	
Manchester (Alex. Mc)	1006.5	+2	SE	4	0125	58	85	3	2,000	Nb	8	ASc	2	4	1006.5	+2	SE	4	0125	58	85	3	2,000	Nb	8	ASc	2	4	
Ross on Wye ...	1004.6	+2	SEA	1	01	56	97	7	2,000	Nb	9	ASc	1	4	1004.6	+2	SEA	1	01	56	97	7	2,000	Nb	9	ASc	1	4	
Falmouth ...	1002.1	0	SEA	5	0	58	97	6	-	StC	9	-	-	4	1002.1	0	SEA	5	0	58	97	6	-	Nb	10	-	-	4	
Calshot (Hants) ...	1007.4	0	SEA	4	bc	59	92	8	4,200	StC	5	ASc	1	4	1007.4	0	SEA	4	015	60	92	6	4,200	StC	4	ASc	6	4	
Lympe (Folkestone)	1009.9	+1	SEA	5	0125	60	85	5	1,250	Nb	9	ASc	1	4	1008.7	0	E	4	010	63	85	6	-	-	ASc	8	4		
Aberdeen ...	1009.6	0	SEA	2	0	58	97	5	400	St	10	-	-	4	1012.3	+1	SEA	3	015	54	92	3	400	St	10	-	-	4	
Howden ...	1009.6	0	SEA	2	0	58	97	5	400	St	10	-	-	4	1009.7	+1	ENE	3	0	57	92	5	3,000	StC	6	ASc	3	4	
Cranwell (Lincs) ...	1011.1	0	SEA	2	0125	53	97	4	1,250	Nb	10	-	-	4	1009.0	0	E	1	0	57	97	5	1,200	StC	8	ASc	1	4	
Felixstowe ...	1011.4	0	SSE	2	C	60	85	7	5,700	StC	10	-	-	4	1010.9	0	SEA	3	0	60	92	6	1,200	StC	4	ASc	6	3	
Shoeburyness ...	1009.6	0	SEA	2	C	60	85	7	5,700	StC	10	-	-	4	1008.8	+1	E	2	010	59	85	7	5,700	StC	2	ASc	3	4	
Benson ...	1009.6	0	SEA	2	C	60	85	7	5,700	StC	10	-	-	4	1008.8	+1	E	2	010	59	85	7	5,700	StC	2	ASc	3	4	
S. Farnborough ...	1009.6	0	SEA	2	C	60	85	7	5,700	StC	10	-	-	4	1008.8	+1	E	2	010	59	85	7	5,700	StC	2	ASc	3	4	
London (M.O. at In.)	1009.6	0	SEA	2	C	60	85	7	5,700	StC	10	-	-	4	1008.8	+1	E	2	010	59	85	7	5,700	StC	2	ASc	3	4	
Croydon ...	1009.6	0	SEA	2	C	60	85	7	5,700	StC	10	-	-	4	1008.8	+1	E	2	010	59	85	7	5,700	StC	2	ASc	3	4	

STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	BAROM. at M.S.L.		TEMP.		WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.	
	mb.	°F.	Dirac.	Force 0-12.	at M.S.L. mb.	Change in 3 hours.		Temp. °F.	Change in 24 hours.	Dirac.	Force 0-12.	Max. °F.	Min. °F.					Morning.	Afternoon.	Night.				
18th. G.M.T. of 4 th								19th. G.M.T. of 5 th								24 HOURS ENDED 7th. 5 th								1 st
Lerwick	1018.5	51	SE	8	omv	1018.4	+1	50	-	ENE	8	SE	omv	6	1	51	47	omv	omv	omv	4			
Stornoway	1005.0	57	SE	4	c	1005.9	+1	49	-9	-	0	-	bc	0	1	59	49	op.	op.c	op.c	0.0			
Castlebay (Barra)	1002.8	57	EHE	4	b2	1002.4	+1	58	-	E	4	-	bc	4	0.1	59	55	o.bc	bc d2	bc	6.5			
Malin Head	998.4	57	SSE	4	bc	1003.1	0	54	+2	SE	3	SE	om	1	5	61	52	bc	bc	bc d2. omv	4.8			
Blackod Point	995.3	58	SE	4	cp	999.3	0	58	0	SE	2	-	bc	2	2	60	52	bc	bc	bc.c bc	*			
Roche's Point	995.9	58	SSE	6	c	998.2	0	57	-	SSE	4	-	0	5	0.1	60	57	o.cz.	cm	c. d2. omv	*			
Birr Castle	996.9	58	SE	3	c	999.8	-	56	-1	SE	1	-	0	4	32	62	53	c	c	cr. 0	5.4			
Donaghadee	1002.8	57	SSE	3	bcm	1006.1	0	56	-2	SSE	3	-	omv	3	7	60	54	bc.	bcv	omv	4.8			
Liverpool (Bidston)	1004.2	57	ESE	4	T.	1005.5	-	56	0	ENE	6	-	05	3	2	58	50	OT.	opv	0	0.0			
Holyhead	1001.5	59	S	4	bcm	1003.2	-2	57	-1	E	5	-	01	3	5	63	53	bcm	bcm	Thp. l. omv	4.9			
Pembroke (St. Mary's)	1001.6	59	SE	4	bc	1000.1	-2	58	-1	ENE	3	-	01m	4	3	61	57	cap.	b.bc.	op.c. or	8.3			
Scilly (St. Mary's)	998.4	56	SSE	5	c	998.4	-	59	-2	SE	3	-	01m	5	8	61	55	c.bc	bc. cap.	qvg. omv	5.9			
Jersey (St. Aubin)	1005.1	61	ESE	4	o	1002.5	-1	62	+3	SE	5	-	0	4	2	63	58	q.p. cr	or. opv.	bc	*			
Portland Bill	1004.1	59	SSE	6	oq	1002.2	-4	59	0	SE	6	S	c	6	1	62	56	ovp.	ovp.	qvg. or c	*			
Dungeness	1007.8	62	S	2	c	1008.3	-1	61	+2	SSE	3	S	bc	3	-	65	58	c. bc	c	c. a. c. bc	*			
Wick	1009.2	53	SE	9	omv	1011.6	0	58	-4	SE	5	-	omv	7	5	54	52	omv	omv	omv or c	*			
Nairn	1006.9	55	SE	4	c	1010.2	*	55	-3	-	0	-	cp	1	1	60	53	c. bcv	q. bc. c. w.	qvg	0.0			
Leith	1006.7	56	SE	1	o	1005.3	+1	55	0	E	1	-	om	2	8	58	54	omv. op	op. or c	omv	*			
Tynemouth	1008.4	54	SSE	5	rm	1010.6	0	54	0	SSE	3	-	f	4	24	55	52	ovp.	omv	omv. f. f	*			
Spurn Head	1008.8	58	SE	6	ovp.	1009.9	0	58	0	SE	4	-	bc	4	2	58	52	cap.	cap.	or. c. bc	*			
Yarmouth (New Junction)	1009.8	60	SE	5	c	1010.9	0	59	0	SSE	4	-	cm	3	-	62	58	bc. bc. c	c	c. bc. c	2.4			
Clacton-on-Sea	1008.8	61	SE	3	c	1009.4	0	60	-1	ENE	3	W	c	3	-	63	57	c. bc. c	cg.	cg. a. c	1.4			
Nottingham	1007.7	56	SE	1	or	1008.4	-	56	0	E	2	E	0	4	10	58	54	or.	T.	bc	0.0			

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 5.10.1920.					Temperature reported from Coastal and Cross Channel Steamers.				CHART OF POSITION NUMBERS and Upper Cloud
Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number.	Date	Time G.M.T.	Sea °F	Air °F	
1. S.E. England	Fair to cloudy, misty.	Fair	Slight	3	4 th	2	58	58	
2. E. England	Dull, misty.	Fair	Slight	6	4 th	14.04	60	65	
3. E. Midlands	Dull	Indiff	-	7	5 th	02.30	60	64	
4. W. Midlands	Dull, rainy, foggy.	V. Poor	-	2	5 th	01.10	56	54	
5. S.W. England	Dull.	Fair	R. Rough	12	5 th	03.30	54	56	
6. South Wales	Dull, rainy, misty.	Indiff	Moderate.						
7. North Wales	Dull, rainy.	Indiff	Slight.						
8. N.W. England	Dull, rainy.	V. Poor	Slight.						
9. N. Midlands	Dull, misty.	Poor.	-						
10. N.E. England	Dull to fair, misty.	Fair.	Moderate						
11. E. Scotland	Dull, misty.	V. Poor	R. Rough.						
12. S.W. Scotland	Dull, misty.	Fair	Slight.						
13. Isle of Man	Dull, misty, squally.	Poor.	Slight.						
14. N. & N.W. Scotland	Cloudy.	Fair.	Moderate						
15. Hebrides	Fair, some mist.	Fair.	Smooth.						
16. Orkneys and Shetlands	Dull, misty, gale.	V. Poor	Rough.						
17. N.W. Ireland	Fair generally.	Good	Slight.						
18. N.E. Ireland	Dull, misty, squally	Fair	Slight.						
19. S.E. Ireland	Dull.	Poor.	R. Rough						
20. S.W. Ireland	Dull.	V. Good.	Slight.						

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

There are some indications of the development of a secondary depression over the English Channel region, but the pressure distribution as a whole has not materially changed. The barometer is still highest in an anticyclone over Scandinavia and lowest in a depression of decreasing intensity to the South-Westward of Ireland.

Isallobars.

Barometric change from 4 h. to 7 h. (half millibars).

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 5th October, 1920.
1. S.E. England	Wind between South-East and East, light or moderate; variable sky, some showers, thunderstorms not improbable locally. Visibility mainly fair or good. Temperature changing little.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	Wind mainly S.E., moderate, fresh locally. Much cloud, some rain in places, fairer intervals. Visibility fair. Temperature changing little.
9. N. Midlands	
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Wind S.E. moderate or fresh, strong or high locally. Much cloud, some showers. Visibility fair. Moderate temperature.
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Wind between S.E. and E. light or moderate. Cloudy or overcast, some showers. Visibility indifferent to fair. Temperature changing little.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

EXPLANATION.

BAROMETER. - Isobars are lines of equal pressure. Intervals of two millibars. WIND. - Direction is shown by the arrow. Force is indicated by the number of feathers. Mean velocity is shown in degrees per hour by figures in small circles.

TEMPERATURE is given in degrees.

WEATHER SYMBOLS -

- clear sky.
- sky & cloud.
- overcast sky.
- snow.
- fog.
- thunder.
- SEA DISTURBANCE. -
- rough.
- high waves.
- rain.
- rain & snow.
- ice.
- mist.
- thunderstorm.
- high waves.

Further Outlook.

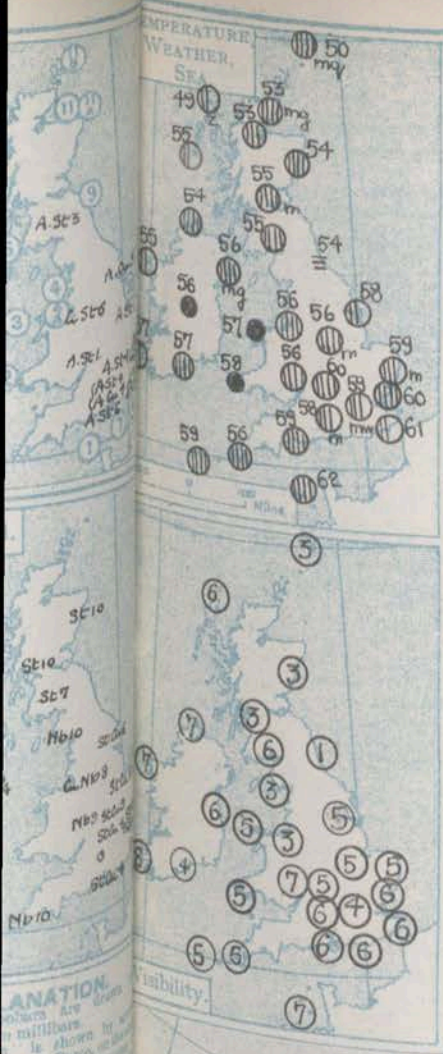
None Issued.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2.

Forecasts issued at G. C. SIMPSON, F.R.S.

SYNOPTIC CHART FOR MORNING OF TUESDAY 5TH OCTOBER 1920

Scale - 1:10,000,000
Nautical Miles. 100 0 100 200
Statute Miles. 160 0 160 320



ANATION.
Others are from
in millions
while shown in
wind. Force in
velocity is shown
area in small
is given in degrees
sky & clouds
sky & clouds
rain
mist
thunder
sign

LOW

HIGH

All 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).		
0. Dense fog.	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 "
6. Fair	"	12,000 "
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. 279.

Tuesday
5th October 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-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 ...	of. o.	c. bc.	62	55	8	3	1.4	?	Douglas (I.O.M.)								
Banff ...	rd.	d.	56	55	3	2	0.0	7.0	Blackpool ...	of.	o	58	55	2	2	0.0	4.3
Montrose ...	of.	of.	56	54	4	8	0.0	?	Southport ...	r. of.	r. o.	58	55	1	1	0.0	?
St. Andrews ...	o	o	56	53	6	6	0.0	?	Morecambe ...	*	*	60	55	7	2	0.0	?
England, E.									Midlands.								
Harrogate ...	of.	of.	55	52	7	5	0.0	4.7	Buxton ...	of.	of m.	55	51	11	5	0.0	5.0
Scarborough ...	of.	of.	61	56	2	2	0.0	7.8	Leamington Spa ...	of.	of	61	50	2	4	0.0	?
Skegness ...	o	o	61	57	1	-	0.0	?	Malvern ...	r.	o	57	54	13	3	0.0	1.8
England, S.E.									Wales.								
Lowestoft ...	c. bc.	bc. c	64	55	-	-	8.6	8.7	Bath ...	r. o	op	60	56	11	2	0.0	?
Felixstowe ...	bc.	c	62	59	-	-	4.4	8.7	Rhyl ...	pc. bc	bc	63	55	5	0.3	3.0	2.4
Southend-on-Sea ...	o. c.	c. o	67	56	-	-	2.2	7.6	Colwyn Bay ...	*	*	65	57	11	-	3.5	?
England, S.W.									Llandudno ...	c	cp	67	56	8	0.4	3.2	?
Tunbridge Wells	o. c. o	o. of. o	62	55	1	1	0.4	5.8	Aberystwyth ...	rc.	b. bc	66	49	11	-	6.0	?
Margate ...	c. bc. b	b. bc. c	67	56	-	-	5.4	8.1	Tenby ...	*	*	63	57	17	-	4.8	?
Ramsgate ...	o	o	66	?	-	-	?	?	Weymouth ...	of.	of	62	58	4	1	0.4	0.7
Folkestone ...	o. c. bc	c	68	58	-	-	4.8	?	Teignmouth ...	o. c. bc	c. bc. c	64	58	7	-	3.7	?
Hastings ...	c. bc. o	c. o	64	58	0.3	-	0.4	6.9	Torquay ...	of. c.	bc. bc. o	63	57	6	0.2	3.3	?
Eastbourne ...	c. o.	of.	62	54	0.4	0.2	0.3	6.2	Paignton ...	o. bc.	bc. cp	66	57	4	-	3.7	?
Brighton ...	of.	of	60	58	2	1	0.0	4.8	Penzance ...	bc.	c. o	61	56	Trace	-	8.0	0.0
Worthing ...	of.	r	59	58	2	7	0.0	5.1	Newquay ...	bc.	bc	63	54	10	-	6.0	?
Littlehampton ...	r. o. c.	r. o. c.	60	55	4	5	0.0	?	Bude ...	bc.	bcp	64	59	6	0.2	9.0	0.0
Portsmouth (S. base)	*	*	59	57	6	7	0.0	4.4	Ilfracombe ...	bc. b	b	61	55	14	-	6.4	0.0
Bournemouth ...	*	*	59	57	6	3	0.0	3.5	Weston-s-Mare ...	of. c.	bc	64	57	3	1	1.4	0.5
Ventnor (I. of W.)	*	*	61	56	3	5	0.0	3.8									

SUMMARIES FOR LAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	Rainfall.		Sun. Hours.
	7h-12h.	12h-18h.	18h-24h.	24h-7h.				Day. 7h-18h.	Night. 18h-7h.	
Renfrew ...	of. r.	of. r.	of. r.	of. of.	60	52	47	4	4	0.3
Eskdalemuir ...	rr. of.	of.	of.	of.	55	52	50	12	1	0.0
Valencia (Cahin'ny) ...	bc. cp.	bc. bc.	bc. bc.	bc. of.	62	56	53	5.0	1	5.1
Baldonnel ...	bc. of.	bc. of.	bc. of.	bc. of.	62	54	52	0.2	8	*
Manchester (Alex. Park) ...	of. r.	of. r.	of. r.	of. of.	59	56	48	3	6	*
Ross on Wye ...	rr. of.	of. of.	of. of.	of. of.	60	55	54	2	6	0.1
Falmouth ...	bc. of.	bc. of.	bc. of.	bc. of.	63	56	54	Trace	10	8.6
Calshot (Hants) ...	of. r.	of. r.	of. r.	of. of.	61	58	57	5	-	0.0
Lymington (Folkestone) ...	of. r.	of. r.	of. r.	of. of.	60	55	52	-	Trace	3.0
Aberdeen ...	of. r.	of. r.	of. r.	of. of.	55	53	52	4	9	0.0
Howden ...	of. r.	of. r.	of. r.	of. of.	58	54	53	10	4	0.0
Cranwell (Lincoln) ...	of. r.	of. r.	of. r.	of. of.	59	53	52	5	1	0.0
Felixstowe ...	bc. bc.	bc. bc.	bc. bc.	bc. of.	64	59	57	4	*	*
Shoeburyness ...	bc. bc.	bc. bc.	bc. bc.	bc. of.	66	56	51	0.2	0.1	2.6
Benson ...	bc. bc.	bc. bc.	bc. bc.	bc. of.	60	56	53	3	Trace	*
S. Farnborough ...	of. r.	of. r.	of. r.	of. of.	58	54	46	6	Trace	0.0
London (Kew Obs.) ...	of. r.	of. r.	of. r.	of. of.	61	54	47	3	Trace	0.0
Croydon ...	of. r.	of. r.	of. r.	of. of.	61	56	54	4	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.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 10 feet above ground.	
	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-0.9
2	4-7	1.0-1.9
3	8-12	2.0-2.9
4	13-18	3.0-4.9
5	19-24	5.0-6.9
6	25-31	7.0-8.9
7	32-38	9.0-10.9
8	39-46	11.0-12.9
9	47-54	13.0-14.9
10	55-63	15.0-17.9
11	64-75	18.0-20.9
12	Above 75	21.0 or above

SYMBOLS--

Aurora Δ Solar halo
Rime \square Lunar halo
Glazed frost \sim Solar corona
Glazed roads $\&$ Lunar corona

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

LONDON. OBSERVATIONS.		WEATHER.		Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rain- fall. inches.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
Morning.	Afternoon.	Night.	15 h. G.M.T.						9 h. G.M.T.	Stations		Sunrise	Noon.	Sunset	
24 HOURS ENDED 5th G.M.T. 1920.												5th 1920.			
Vertical Component of Solar Radiation per Square Centimetre during yesterday												Stations			
Greenwich (Royal Observatory)	0. c. 0"	0. c. 0"	0. c. 0"	64	56	57	1	0.0	88	68	Greenwich (Royal Observatory)				
City (Bunhill Row)	"	"	"	"	"	"	"	0.3	"	"	City (Bunhill Row)				
Westminster (St. James's Park)	"	"	ord. b. b.	66	58	50	3	0.3	88	66	Westminster (St. James's Park)				
Total 31.9 Joules.												Total 31.9 Joules.			
Camden Sq. (British Rainfall)	bc	c. 0"	"	63	56	51	3	"	90	75	Camden Sq. (British Rainfall)				
Kensington Palace	bc	b	"	63	55	52	0.3	"	87 (18h)	69	Kensington Palace				
Hampstead Observatory	"	"	"	62	53	48	5	0.1	"	74	Hampstead Observatory				
Average Rate. 7.8												Average Rate. 7.8			
Maximum Rate. 4.8												Maximum Rate. 4.8			
Milliwatts.												Milliwatts.			
Yarmouth..												Yarmouth..			
Greenwich												Greenwich			
Wick												Wick			
Valencia												Valencia			

Photographic Record of Pole Star (Polaris) and of 3 Ursae Minoris at Greenwich Observatory.

Exposure from 4.15 A.M. to 5.15 A.M.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	10 30	1 34	16
3 Ursae Minoris	10 30	1 16	12

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to above 65° in many parts of England and the minimum readings were again much above normal, being little below 60° over a large area. Rain was very general and in some localities heavy; 24 mm. at Tynemouth and Howden, 32 mm. at Birr Castle and 16 mm. at Aberdeen.

Very little bright sunshine was recorded except in the extreme S.W. of England, Wales and some parts of Ireland and the Hebrides.

* Information for these columns not usually received.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21503 WEDNESDAY... 6TH OCTOBER..... 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 10H AND 12H.																								
STATIONS.		Barom. at M.S.L.	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.	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.	
12H. G.M.T. OF 5 TH												12H. G.M.T. OF 6 TH												
Renfrew ...	1008.1	-4	ENE	3	57	92	8	1250	St. Cu	10	1008.2	0	ENE	4	58	85	3	1250	Nb	10	4	4		
Eskdalemuir ...	1008.8	-2	E	3	60	75	5	2000	St. Cu	2	1008.1	0	ESE	4	60	75	5	1250	Nb	5	3	3		
Valencia (Cahire'n)	996.3	0	SE	3	58	86	7	2000	St. Cu	7	997.8	+3	NE	2	58	82	8	2000	St. Cu	5	4	2		
Baldonnel ...	999.5	-4	E	1	56	97	3	1500	Nb	10	1001.4	+6	S	2	57	85	8	2000	St. Cu	5	4	2		
Manchester (T. H. H.)	1004.9	-2	SE	6	67	85	4	-	-	7	1004.5	+1	SE	3	67	75	5	2000	St. Cu	6	4	4		
Ross on Wye ...	1003.6	-1	S	4	67	85	7	4200	Cu	3	1004.4	+2	S	2	67	85	6	2000	Nb	5	5	5		
Falmouth ...	1000.7	+5	SSE	2	62	85	8	-	St. Cu	2	1001.6	+1	SSE	3	62	85	7	-	St. Cu	6	-	-		
Calshot (Hants) ...	1004.7	-1	SE	4	61	92	7	4200	St. Cu	2	1005.1	+1	SE	3	61	97	6	5700	St. Cu	7	4	3		
Lymington (Folkstone)	1007.4	-2	E	4	66	75	8	-	-	5	1007.8	0	SE	2	66	75	7	-	-	6	-	-		
Aberdeen ...	1012.3	0	SE	3	54	91	2	-	St. Cu	10	1012.8	-2	SE	4	54	92	2	-	St. Cu	10	-	4		
Howden ...	1007.6	-2	SE	4	67	75	6	4200	St. Cu	2	1008.8	+1	SE	3	67	75	4	750	St. Cu	10	-	-		
Cranwell (Lincoln)	1008.1	-1	SE	4	65	75	6	4200	St. Cu	2	1007.1	+2	SE	3	61	85	5	720	St. Cu	1	9	4		
Felixstowe ...	1009.7	-2	SE	3	64	85	6	-	-	4	1009.7	+1	SE	2	61	85	6	5700	St. Cu	1	-	2		
Shoeburyness ...	1007.7	-2	SW	1	64	85	7	-	-	4	1007.1	-1	E	1	64	85	6	-	-	4	-	-		
Benson ...	1004.3	-2	SE	4	69	65	7	-	-	8	1005.3	0	SE	3	62	85	6	-	-	5	-	-		
S. Farnborough ...	1008.0	-1	SSE	3	66	75	7	-	-	9	1005.9	0	ESE	2	62	92	5	5700	St. Cu	4	4	5		
London (Kew Obs.)	1008.8	-2	SSE	3	70	65	8	-	-	8	1006.3	+1	SE	2	66	75	5	4200	St. Cu	3	6	6		
Croydon ...	1007.1	0	SE	4	68	75	8	-	-	8	1007.3	0	SE	3	64	85	7	5700	St. Cu	3	6	6		
1H. G.M.T. OF 6 TH												7H. G.M.T. OF 6 TH												
Renfrew ...	1006.5	0	S	1	57	97	3	1250	St. Cu	10	1006.2	+1	NE	1	57	97	2	1250	St. Cu	6	4	4		
Eskdalemuir ...	1000.2	0	ENE	3	54	85	8	-	-	2	1006.6	0	NNE	2	56	92	6	2000	St. Cu	2	9	9		
Valencia (Cahire'n)	1004.3	+2	E	2	50	95	6	-	-	3	1008.8	-1	N	0	53	85	8	5700	St. Cu	3	4	2		
Baldonnel ...	1004.3	+2	E	2	50	95	6	-	-	3	1008.8	-1	N	0	53	85	8	5700	St. Cu	3	4	2		
Manchester (T. H. H.)	1004.3	+2	E	2	50	95	6	-	-	3	1004.3	-2	ESE	3	60	85	4	1250	Nb	10	-	-		
Ross on Wye ...	1000.3	-3	ENE	2	57	97	5	-	St. Cu	2	1002.3	-1	E	4	58	92	6	2000	Nb	10	-	-		
Falmouth ...	1004.9	-1	E	2	59	97	7	4200	St. Cu	10	999.3	-2	E	3	58	92	5	-	St. Cu	9	-	-		
Calshot (Hants) ...	1006.3	-2	ESE	5	61	85	6	-	-	4	1003.1	-2	ESE	3	59	97	5	1500	St. Cu	10	-	2		
Lymington (Folkstone)	1006.3	-2	ESE	5	61	85	6	-	-	4	1005.8	-2	SE	4	57	92	5	2000	St. Cu	2	5	5		
Aberdeen ...	1007.3	-1	E	0	57	97	5	3000	St. Cu	10	1008.9	+1	S	2	55	92	1	-	St. Cu	10	-	4		
Howden ...	1008.8	0	ESE	2	56	92	5	3000	St. Cu	6	1005.5	-2	E	1	56	97	4	5700	St. Cu	5	4	4		
Cranwell (Lincoln)	1008.2	-1	SSE	4	61	95	6	3000	St. Cu	1	1006.7	-1	SSE	4	59	92	6	7200	St. Cu	6	3	3		
Felixstowe ...	1008.2	-1	SSE	4	61	95	6	3000	St. Cu	1	1004.5	-2	ESE	2	59	85	6	-	-	3	-	-		
Shoeburyness ...	1008.2	-1	SSE	4	61	95	6	3000	St. Cu	1	1002.4	-1	NE	1	58	92	3	-	St. Cu	9	-	-		
Benson ...	1008.2	-1	SSE	4	61	95	6	3000	St. Cu	1	1003.4	-1	ESE	3	58	97	3	1250	Nb	7	5	5		
S. Farnborough ...	1005.9	-1	SSE	3	61	95	6	3000	St. Cu	1	1003.9	0	E	1	59	92	4	2000	Nb	9	-	-		
London (Kew Obs.)	1006.7	-1	E	2	61	85	6	-	-	5	1004.5	-1	SSE	3	59	95	6	750	St. Cu	9	1	1		
Croydon ...	1006.7	-1	E	2	61	85	6	-	-	5	1004.5	-1	SSE	3	59	95	6	750	St. Cu	9	1	1		
STATIONS CONTRIBUTING REPORTS AT 7H. AND 10H.																								
STATIONS.		Barom. at M.S.L.	Temp. °F.	Wind. Dir. Force 0-12	Weather.	Barometer. at M.S.L.	Change in 3 hours.	Temperature. °F.	Change in 24 hours.	Wind. Dir. Force 0-12	Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Morning. °F.	Afternoon. °F.	Night. °F.	Sunshine Hours.				
10H. G.M.T. OF 5 TH												7H. G.M.T. OF 6 TH												
Lerwick ...	1016.2	51	SE	5	omf	1010.9	-4	51	+1	SE	6	om	5	3	51	48	omf	omf	omf	omf	0.4			
Stornoway ...	1004.4	56	E	1	omf	1003.3	+2	56	+7	S	5	om	4	5	60	48	bc	bc	omf	omf	0.0			
Castellary (Barrals)	1000.8	57	ENE	4	r	1005.3	+3	55	-	SSW	3	o	3	10	59	54	bc	bc	omf	omf	0.0			
Malin Head ...	1000.8	57	SE	3	om	1003.0	+1	52	-2	S	1	bc	1	6	57	52	om	omf	bc	bc	0.0			
Blackod Point ...	998.1	57	-	0	c	1002.1	+2	51	-4	-	0	bc	2	5	60	50	c	c	c	c	0.0			
Roche's Point ...	999.2	57	SSE	3	b	1001.1	0	54	-3	NW	1	o	3	6	58	54	or	r.c.b	bc	bc	0.0			
Bar Castle ...	998.8	57	SW	1	c	1003.2	0	46	-10	NE	1	m	3	17	59	46	or	or	cf	cf	0.2			
Donaghadee ...	1000.9	60	SSW	4	omf	1004.8	0	52	-4	-	0	bc	1	16	61	52	omf	omf	bc	bc	0.0			
Liverpool (Bidston)	1003.0	65	SE	3	o	1003.5	-1	58	+2	ESE	2	om	2	4	69	56	r.o. bc	bc	opm	opm	2.0			
Holyhead ...	1002.0	60	S	4	cf	1002.3	-1	56	-1	E	3	om	1	10	63	54	omf	omf	opm	opm	0.7			
Pembroke (St. Ann's)	1002.6	59	SE	4	cv	1000.9	-1	57	-1	E	3	o	3	14	60	55	omf	omf	bc	bc	2.4			
Scilly (St. Mary's)	1000.5	57	SSE	3	bc	997.5	-3	57	-2	ESE	3	o	4	3	61	55	omf	omf	bc	bc	5.4			
Jersey (St. Aubin)	1003.6	63	SE	3	op	1000.3	-1	60	-2	ESE	5	op	4	1	65	50	o	o	opm	opm	0.0			
Portland Bill ...	1003.9	61	SSE	4	op	1000.3	-4	61	+2	ESE	5	o	5	3	63	59	o	o	opm	opm	0.0			
Dungeness ...	1004.0	63	SSE	2	bc	1003.8	-2	60	-1	SSW	4	o	4	-	67	60	bc	bc	bc	bc	0.0			
Wick ...	1010.1	53	SE	7	omf	1006.5	+1	54	+1	SSE	3	fe	5	3	54	52	omf	omf	omf	omf	0.0			
Nairn ...	1006.9	57	SE	2	c	1005.7	0	55	0	-	0	bc	0	1	59	53	omf	omf	omf	omf	0.0			
Leith ...	1005.1	56	ESE	1	o	1005.3	0	55	0	E	1	r	2	2	58	54	omf	omf	omf	omf	0.0			
Tynemouth ...	1007.6	54	SSE	3	om	1006.0	-1	54	0	S	1	bc	4	0.2	56	53	om	om	om	om	0.0			
Spurn Head ...	1007.3	57	ESE	6	cm	1006.1	-2	58	0	SE	4	bc	3	-	60	54	cm	cm	bc	bc	6.2			
Yarmouth (Derby)	1009.3	60	SSE	4	b	1006.8	-2	59	0	SE	4	bc	3	-	63	58	cm	bc	bc	bc	7.1			
Clacton-on-Sea ...	1007.8	61	ESE	3	bc	1005.2	0	60	0	SE	4	bc	4	-	64	59	cm	bc	bc	bc	1.0			
Nottingham ...	1005.9	62	SE	2	o	1004.3	-	57	+1	E	2	c	8	0.3	64	56	o	o	op	op	1.0			

* Information for these columns not usually received.

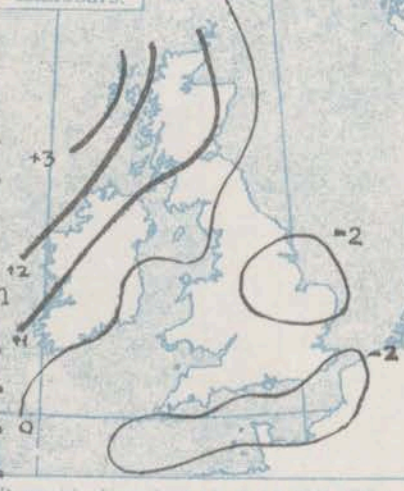
† The barometric change is expressed in half millibars.

§ For code see page 3

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 6-10-1920

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	Dull, misty; some rain	Indiff.	Mod.	5	5 ^A	0755	55	58
2. E. England	Fair, misty.	Fair.	Slight.	1	5 ^N	1156	60	64
3. E. Midlands	Dull, misty.	Indiff.	-	2	6 ^N	0110	57	58
4. W. Midlands	Dull, some rain.	Indiff.	-	7	6 ^N	0245	60	60
5. S.W. England	Dull, some rain.	Fair.	Mod.	4A	6 ^N	0215	57	60
6. South Wales	Overcast.	Good.	Slight.	12	6 ^N	0320	55	58
7. North Wales	Dull, misty.	Indiff.	Smooth.	8	6 ^N	0340	61	62
8. N.W. England	Dull, some rain and fog.	Poor.	Slight.					
9. N. Midlands	Overcast, misty.	Indiff.	-					
10. N.E. England	Dull: Mist or fog.	Poor.	Mod.					
11. E. Scotland	Fair to dull: local fog and	Poor.	Mod.					
12. S.W. Scotland	Dull, mist or fog (rain)	Poor.	Smooth.					
13. Isle of Man	Cloudy, misty.	Indiff.	Smooth.					
14. N. & N.W. Scotland	Fair to cloudy: some fog.	Indiff.	Mod.					
15. Hebrides	Dull, squally.	Fair.	Mod.					
16. Orkneys and Shetlands	Dull, misty.	Poor.	R. rough					
17. N.W. Ireland	Fair.	Good.	Smooth.					
18. N.E. Ireland	Fair.	V. Good.	V. Smooth.					
19. S.E. Ireland	Dull; mist inland.	Good.	Slight.					
20. S.W. Ireland	Cloudy.	V. Good.	Smooth.					

Isallobars.



Barometric change from 4 h. to 7 h. (half millibars).

CHART OF POSITION NUMBERS and Upper Cloud

CHART OF POSITION NUMBERS and Upper Cloud

Lower Cloud.



EXPLANATION

BAROMETER—Isobars are intervals 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 small circles.

TEMPERATURE SYMBOLS—

☉ clear sky.

☁ sky & clouded.

☁ overcast sky.

* snow.

≡ fog.

T thunder.

SEA DISTURBANCE—

rough.

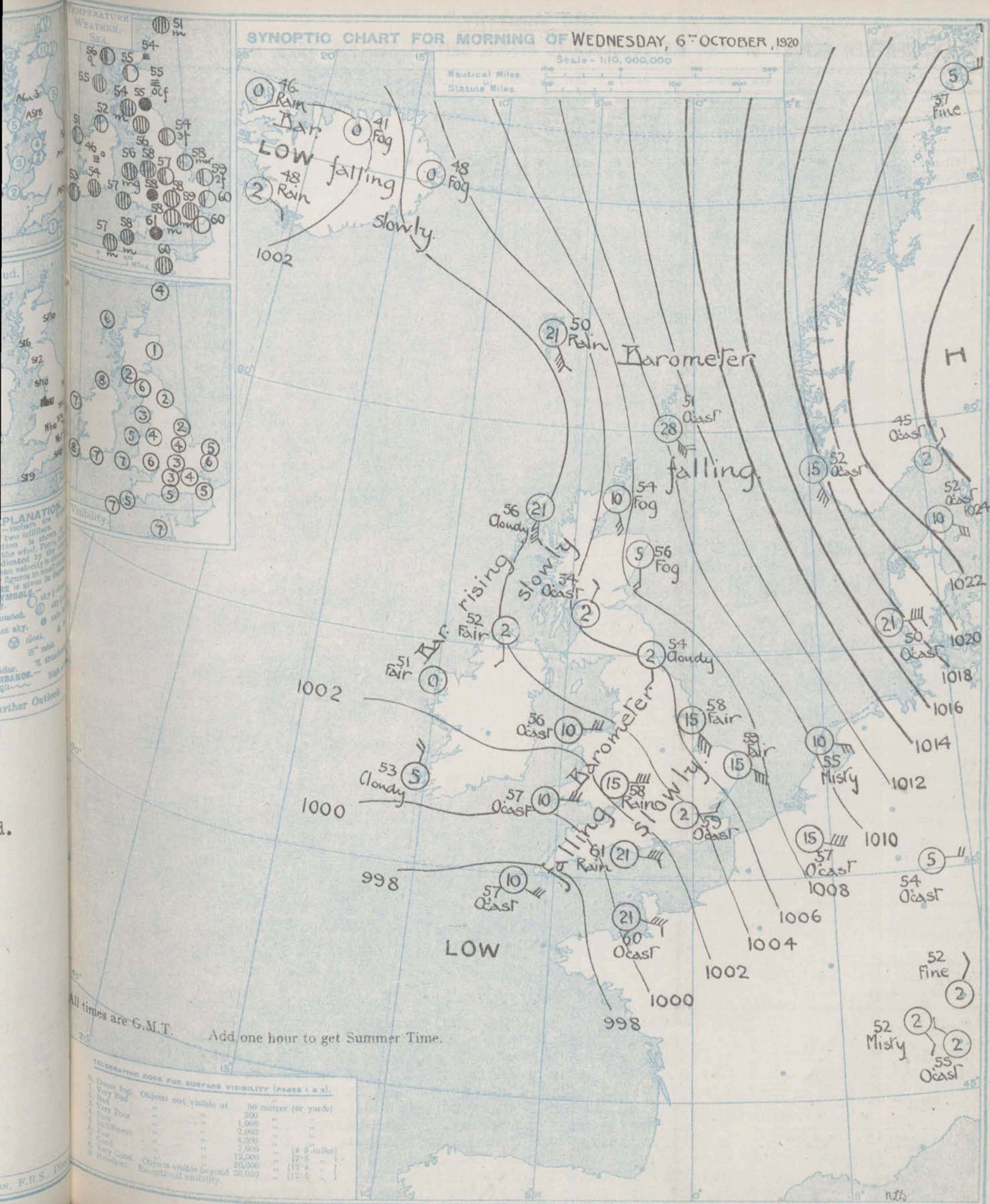
GENERAL INFERENCE from observations received up to 9h. GMT.

A depression centred to the South Westward of England will probably move in a Northerly direction and cause further falls of rain in all parts of the Kingdom, with thunderstorms locally.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. 15h. GMT. Wednesday, 6th Oct. 1920.
1. S.E. England	Wind between East and South East, light or moderate, fresh locally; Mainly overcast or cloudy, some rain, considerable or heavy in places; local thunder; Visibility indifferent to fair. No important change of 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 between South and East, light or moderate, fresh locally; cloudy or dull, some rain, thunder in places. Visibility mainly fair. Little change of temperature.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Wind between South East and North East, light or moderate; Much cloud, some rain. Visibility indifferent to fair. Moderate temperature.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

None issued.

SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 6TH OCTOBER, 1920

Nautical Miles
Statute Miles

All times are G.M.T.

Add one hour to get Summer Time.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 280

WEDNESDAY

6TH OCTOBER 1920WEATHER, 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-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 ...	or	o	63	54	-	6	00	1.4	Douglas (I.O.M.)								
Banff ...	d.o	d	56	54	6	02	00	0.0	Blackpool ...	2.c.c		70	56	4	-	0.4	0.0
Montrose ...	or.f	of	55	54	13	2	00	0.0	Southport ...	r.c.c	o.o	70	56	3	-	1.2	0.0
St. Andrews ...									Morecambe								
Harrogate ...	ac.bc	bc.c.o	66	53	10	-	09	0.0	Buxton ...	c.b	bc	70	53	-	1	2.5	0.0
Scarborough ...	o	bc	65	54	11	-	2.2	0.0	Leamington Spa...	c.o	c.o	69	54	4	-	1.8	0.0
Skegness ...	bc	c.bc	64	57	-	-	2.9	0.0	Malvern ...	ocbc	b.b.c.c.o	67	57	1	-	1.3	0.0
Lowestoft ...	ocbc	bcw	64	58	-	-	6.7	8.6	Bath ...	p.	bc.p.c	69	58	2	-	1.0	3.0
Felixstowe ...	bc	bc	64	60	-	-	8.1	4.4	Colwyn Bay ...	-	-	68	55	3	-	1.0	3.6
Southend-on-Sea...	c.bc.b	b.bc	69	57	0.2	-	8.8	2.2	Llandudno ...	r.c	c	69	56	4	0.2	1.7	3.2
Tunbridge Wells	b	b.bc.b	68	56	-	-	7.6	0.4	Aberystwyth ...	r.c.b.c.o		69	57	4	2	2.0	6.0
Margate ...	b	b	67	58	-	-	8.8	5.4	Tenby ...			63	58	10	3	0.3	4.8
Ramsgate ...	b	b	68	57	-	-	8.8	5.3	Swansea ...								
Folkestone ...	b	b	72	58	-	-	8.3	4.8	Weymouth ...	od.o	od.o	63	59	1	0.2	0.0	0.4
Hastings ...	bc	b.bc	67	58	0.2	-	8.2	0.4	Teignmouth ...	or.c.c	c.bc.c	62	56	5	-	0.6	3.7
Eastbourne ...	bc	bc	66	57	0.4	-	7.7	0.3	Torquay ...	or.c	bc.r.c	63	56	5	0.1	0.6	3.3
Brighton ...	bc	c	67	59	-	-	5.4	0.5	Paignton ...	o	cbc	64	56	7	-	0.9	8.0
Worthing ...	b.bc	bc	64	57	1	-	4.1	0.0	Penzance ...	or.c.bc	bc	62	56	15	1	5.4	6.2
Littlehampton ...	ocbc	o.bc	63	57	-	-	2.0	0.0	Newquay ...	bc.p.b	bc	64	56	11	1	5.0	9.0
Portsmouth (S. base)	*	*	64	57	0.2	-	0.2	0.0	Bude ...	or.c.bc	bc.p.bc	65	56	10	5	4.9	6.8
Bournemouth ...	*	*	63	57	4	-	0.1	0.0	Ilfracombe ...	o.bc	bc	66	57	7	2	2.0	1.4
Ventnor (I. of W.)	*	*	64	57	-	-	0.5	0.0	Weston-s-Mare ...	c.bc	bc.r.c	67	57	3	-	2.0	

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 ...	or.f	or.f	or.f	or.f	60	52	47	9	7	0.0
Esksdalemuir ...	or.f	or.f	or.f	or.f	63	54	53	3	3	0.0
Valencia (Cahire'n)	or.f	or.f	or.f	or.f	62	52	47	3	-	0.6
Baldonnel ...	or.f	or.f	or.f	or.f	62	43	42	12	0.1	
Manchester (Old Trafford)	or.f	or.f	or.f	or.f	70	57	49	1	7	*
Ross on Wye ...	or.f	or.f	or.f	or.f	68	56	46	6.4	3	1.0
Falmouth ...	or.f	or.f	or.f	or.f	63	54	48	6	-	6.2
Calshot (Hants) ...	or.f	or.f	or.f	or.f	62	58	-	-	10	0.4
Lymington (Hants) ...	or.f	or.f	or.f	or.f	67	56	53	-	-	9.9
Aberdeen ...	or.f	or.f	or.f	or.f	55	53	53	2	1	0.0
Howden ...	or.f	or.f	or.f	or.f	69	54	51	-	-	1.5
Cranwell (Lincs) ...	or.f	or.f	or.f	or.f	68	56	51	-	Trace	1.3
Felixstowe ...	or.f	or.f	or.f	or.f	65	59	*	*	*	*
Shoeburyness ...	or.f	or.f	or.f	or.f	69	58	52	0.1	-	6.9
Benson ...	or.f	or.f	or.f	or.f	69	57	55	-	2	*
S. Farnborough ...	or.f	or.f	or.f	or.f	68	55	50	-	0.2	3.7
London (Kew Obs.)	or.f	or.f	or.f	or.f	71	58	51	-	-	6.0
Croydon ...	or.f	or.f	or.f	or.f	66	58	*	-	-	*

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.
 Limits of Velocity at about 30 feet above ground.

No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.8
1	1-3	0.8-1.3
2	4-7	1.3-2.0
3	8-13	2.0-3.7
4	14-18	3.7-5.0
5	19-24	5.0-6.7
6	25-31	6.7-8.3
7	32-38	8.3-10.0
8	39-46	10.0-12.7
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 TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning.	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.					
24 HOURS ENDED 5H G.M.T. 6 TH													6 TH & 7 TH OCTOBER 1920.		
									YESTERDAY.	TO-DAY.	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Stations.	Sunrise.	Noon.	Sunset.
												G.M.T.	G.M.T.	G.M.T.	
Greenwich (Royal Observatory)	b.b.c	b.c.c	o.o.p	73	56	48	-	6.8	68	84	Total 88.6 Joules.	Yarmouth...	6.4	11.41	5.18
City (Bunhill Row)	*	*	*	*	*	*	*	6.1	*	*		G.M.T.	G.M.T.	G.M.T.	
Westminster (St. James's Park)	*	*	*	72	59	50	*	7.0	68	85	Total 88.6 Joules.	Greenwich	6.6	11.44	5.24
												Milliwatts.	Wick	6.10	11.48	5.28
Camden Sq. (British Rainfall)	b.c.b	b.	*	74	57	51	-	*	63	82	Average Rate. 217	Valencia	6.12	11.48	5.31
Kensington Palace	c.b.c	b.c	*	73	56	52	-	*	75 (18h)	87		Maximum Rate. 49		6.30	12.0	5.27
Hampstead Observatory	*	*	*	70	57	47	Trace	53	*	90			6.32	12.0	5.25
													6.57	12.29	5.6
													6.53	12.29	5.6

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

Exposure from 5^h 18^m 30^s to 6^h 6^m 0^s.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	8 30	2 58	28
8 Ursae Minoris	8 30	1 42	16

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to 70° over a wide area in England and to a few degrees higher at a few places in the extreme South-East. The minimum readings of the night were again above 55° in many places, and little below 60° in the South. Rain fell except in the East of England, the quantity being considerable at some western stations: 16 mm. and 17 mm. respectively at Donaghadee and Birr Castle, and 14mm. at Pembroke. A thunderstorm was experienced at Falmouth and lightning at Donaghadee. Sunshine was very prevalent in the East and South-East of England, but in the West and North of the Kingdom the day was very cloudy or quite overcast.

Information for these columns not usually received.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21504. Thursday, 7th October, 1920.

Max. F.	Min. F.
75	64
75	57
73	61
77	61
79	61
69	60
79	66
81	70
81	66
66	63
73	66
93	70
91	66

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 0-10.	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 0-10.	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 6 th																										
Renfrew ...	1004.3	-3	E	3	02.3f	58	92	4	750	Nb	10	-	-	-	1003.4	+2	SE	3	02f	58	92	5	1250	St	6	-	-	-	-
Esksdalemuir ...	1003.9	-5	NE	4	02f	60	92	5	2000	St.	7	AS	3	-	1002.0	+1	ENE	3	02f	58	92	5	1250	St	5	AS	2	3	-
Valencia (Cahire's) ...	1000.9	-1	NE	3	C	60	75	8	1250	St.	2	AS	5	2	1001.0	+1	N	3	C	56	85	7	1250	St	5	AS	2	3	-
Baldonnel ...	1000.5	-3	-	0	02.3f	56	97	2	2500	Nb	10	-	-	-	999.3	0	-	0	03f	56	97	2	2500	Nb	10	-	-	-	-
Manchester (Alex. Pk.) ...	1001.8	-1	SE	5	02.3f	62	85	3	750	Nb	10	-	-	-	1002.4	+2	SE	3	02f	60	85	4	3000	St	6	-	-	-	-
Ross on Wye ...	1001.0	-2	ESE	4	02f	63	85	7	2000	Nb	10	-	-	-	1003.1	+3	SSE	4	bc	59	75	7	4200	St	4	-	-	-	-
Falmouth ...	996.3	-1	S	5	0	58	92	6	-	Nb	10	-	-	-	1001.0	+6	BSW	4	crf	56	97	4	-	St	7	-	-	-	-
Calshot (Hants) ...	1002.8	H	S	5	0	65	75	8	3000	St	2	AS	1	3	1004.8	+2	SE	3	0	60	97	8	-	-	-	-	-	-	-
Lymington (Folkestone) ...	1005.0	0	SSE	4	bc	66	75	8	3000	St	1	AS	3	-	1006.3	+1	NNE	2	cif	60	85	7	4200	St	4	AS	3	-	-
Aberdeen ...	1008.4	0	SE	2	07f	55	97	1	-	St.	10	-	-	-	1006.7	-1	SE	3	02.3f	54	97	2	-	St	10	-	-	-	-
Howden ...	1002.3	-2	E	3	09	64	85	6	3000	St	6	AS	3	-	1008.8	+2	SE	1	03f	58	97	6	2000	St	4	AS	3	-	-
Cranwell (Lincs) ...	1003.5	-1	SSE	4	02f	64	85	5	1250	St.	10	-	-	-	1004.8	H	S	3	C	61	85	4	5700	St	8	-	-	-	-
Felixstowe ...	1006.5	0	S	4	003	65	75	7	-	-	-	-	-	-	1007.4	+2	S	2	C	61	85	6	4200	St	7	-	-	-	-
Shoeburyness ...	1004.3	0	SSW	1	0	71	65	7	-	-	-	-	-	-	1006.1	+2	SW	1	C	61	85	7	5700	St	4	AS	3	-	-
Benson ...	1001.4	-1	SE	3	0	66	75	6	-	St	9	-	-	-	1004.8	+3	S	2	0v	57	85	9	-	St	1	-	-	-	-
S. Farnborough ...	1003.0	0	SW	5	cif	66	75	7	3000	St	8	-	-	-	1005.6	+5	S	1	bif	59	85	7	4200	St	1	-	-	-	-
London (New Obs.) ...	1003.3	0	SSE	3	0v	68	65	9	3000	St.	10	-	-	-	1005.8	+5	S	1	0	62	75	7	4200	St	1	AS	2	-	-
Croydon ...	1002.2	0	SSE	3	01f	66	75	7	1250	Nb	10	-	-	-	1006.7	+4	S	1	bif	59	86	7	4200	St	1	AS	2	-	-
7H. G.M.T. OF 7 th																													
Renfrew ...	1003.6	+1	S	2	0	54	85	6	-	St.	10	-	-	-	1003.4	+2	SSE	3	0d.3f	56	97	4	1250	Nb	10	-	-	-	-
Esksdalemuir ...	1003.3	+2	NNW	4	0p	54	85	6	-	St.	10	-	-	-	1006.6	+3	SSE	4	0	53	85	7	2000	St	10	-	-	-	-
Valencia (Cahire's) ...	1003.2	+2	-	0	0p	54	97	2	4500	St	10	-	-	-	1009.6	+4	NNW	2	03fe	54	97	3	4500	Nb	10	-	-	-	-
Baldonnel ...	1002.2	+2	-	0	0p	54	97	2	4500	St	10	-	-	-	1006.6	+4	NNW	2	03fe	54	97	3	4500	Nb	10	-	-	-	-
Manchester (Alex. Pk.) ...	1007.0	+3	E	1	0	54	97	2	-	-	-	-	-	-	1007.0	+3	E	1	03fe	48	97	2	-	-	-	-	-	-	
Ross on Wye ...	1008.5	+3	W	1	0	54	97	1	4500	St	10	-	-	-	1008.5	+3	W	1	03fe	44	97	1	4500	St	10	-	-	-	-
Falmouth ...	1007.3	+3	-	0	03fe	52	97	1	-	-	-	-	-	-	1007.3	+3	-	0	03fe	52	97	1	-	St	10	-	-	-	-
Calshot (Hants) ...	1009.8	+2	E	3	02f	57	97	5	5700	St.	6	AS	5	-	1009.8	+2	E	3	02f	57	97	5	5700	St.	6	AS	5	-	-
Lymington (Folkestone) ...	1009.7	+2	SE	2	bcnw	55	97	4	-	-	-	-	-	-	1009.7	+2	SE	2	bcnw	55	97	4	-	St	6	AS	5	-	-
Aberdeen ...	1005.5	+2	SSE	2	03fe	53	92	3	750	St.	7	-	-	-	1005.5	+2	SSE	2	03fe	53	92	3	750	St.	7	-	-	-	-
Howden ...	1006.7	+2	-	0	bcnw	45	97	4	3000	St.	2	AS	2	-	1006.7	+2	-	0	bcnw	45	97	4	3000	St.	2	AS	2	-	-
Cranwell (Lincs) ...	1009.6	+3	S	2	bc	47	97	4	3000	St	4	-	-	-	1009.6	+3	S	2	bc	47	97	4	3000	St	4	-	-	-	-
Felixstowe ...	1010.6	+2	-	0	03fe	51	97	5	-	-	-	-	-	-	1010.6	+2	-	0	03fe	51	97	5	-	-	-	-	-	-	-
Shoeburyness ...	1009.4	+3	-	0	03fe	51	92	4	-	-	-	-	-	-	1009.4	+3	-	0	03fe	51	92	4	-	-	-	-	-	-	-
Benson ...	1008.2	+3	SE	2	C	52	97	5	-	-	-	-	-	-	1008.2	+3	SE	2	C	52	97	5	-	St	6	-	-	-	-
S. Farnborough ...	1008.7	+3	SE	3	C3fe	50	97	4	4200	St.	3	AS	4	-	1008.7	+3	SE	3	C3fe	50	97	4	4200	St.	3	AS	4	-	-
London (New Obs.) ...	1009.3	+3	NNE	1	04fe	52	97	2	4500	St.	6	AS	3	-	1009.3	+3	NNE	1	04fe	52	97	2	4500	St.	6	AS	3	-	-
Croydon ...	1009.6	+2	S	3	03f	56	92	5	2000	St.	1	AS	8	-	1009.6	+2	S	3	03f	56	92	5	2000	St.	1	AS	8	-	-
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																													
STATIONS.	Barom. at M.S.L. mb.	Temp. °F.	WIND.		Weather.	Barometer at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 3 hours.	Wind.	Dir.	Force 0-12.	Dir.	Upper Cloud.	Weather.	Sea 0-9.	TEMP.		WEATHER.				Sunshine Hours.						
			Dir.	Force 0-12.													Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	Hours.							
			12H. G.M.T. OF 6 th																										
Lerwick ...	1009.5	53	S	6	f	1006.6	-4	53	+2	SE	4	-	-	fd.	4	0.3	52	50	om	f	fd.	1.3	-						
Stornoway ...	1004.6	55	N	3	bc	1001.1	+2	52	-4	NW	6	-	-	or	5	27	60	52	c	c.bc	cor.or	1.3	-						
Castlebay (Barra's) ...	1003.0	55	N	4	0	1005.1	+4	53	-2	NW	4	-	-	0	4	13	59	53	ac	co	ro	2.3	-						
Maine Head ...	1000.4	56	NW	3	or	1004.7	+3	53	+1	NNW	3	NW	0	4	13	56	51	bc	c	omf.o	0.0	-							
Blackod Point ...	1001.6	55	NNW	3	0	1006.7	+4	54	+3	-	0	-	-	c	1	-	58	50	bc	coc	o.c	-	-						
Roche's Point ...	999.1	56	NNW	4	0	1007.5	+4	54	0	NNW	3	N	0	2	14	59	54	ogt.r	rmo	o.b	-	-							
Birr Castle ...	999.7	55	NW	1	r	1007.1	51	+5	+3	NW	1	-	-	m	1	30	55	46	fe	or	oz	0.0	-						
Donaghadee ...	1000.4	56	NNE	1	cm	1006.1	+4	55	+3	-	0	-	-	omr	1	18	57	51	ofa	omr	omf.r	-	-						
Liverpool (Bishop) ...	1001.2	61	ESE	3	bc	1007.2	+2	50	-8	SE	3	-	-	b	3	25	63	50	or	c.b	bc.b	2.3	-						
Holyhead ...	999.4	60	S	4	cp	1005.6	+3	57	+1	S	5	S	0	3	7	60	55	cporm	cp	cpf.b	0.2	-							
Pembroke (St. Mary's) ...	998.9	57	SSE	4	cp	1006.9	+3	57	0	S	3	S	0	3	8	61	56	or	orcp	cpf.b	0.4	-							
Selly (St. Mary's) ...	998.9	57	S	2	C	1007.7	+4	54	-3	-	0	-	-	C	2	13	59	54	orm	orm.c	cpf.b	0.6	-						
Jersey (St. Aubin) ...	1003.2	63	SSE	3	b	1007.2	+1	57	-3	SE	2	-	-	0	1	66	54	ogp.b	b	bwo	8.0	-							
Portland Bill ...	1002.8	62	SSE	3	bc	1006.9	+3	60	-1	ESE	2	SE	0	3	3	63	56	orbc	bc	bc.b	-	-							
Dungeness ...	1005.7	63	NNW	2	bc	1008.5	+2	58	-2	S	2	SW	0	2	-	67	57	bc	bc	c.b	-	-							
Wick ...	1006.0	54	S	2	f	1001.7	-1	54	0	SW	2	-	-	f	3	0.3	5												

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 7.10.1920.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers			
				Position Number	Date	Time G.M.T.	Sea °F
1. S.E. England	Fair to dull; mist or fog	Poor.	Smooth.				
2. E. England	Fair; mist or fog.	Poor.	Smooth.	5	6 ^h	0758	56
3. E. Midlands	Fair to dull; foggy.	Poor.	-	10	6 ^h	0900	56
4. W. Midlands	Dull, foggy.	Poor.	-	6	6 ^h	1422	61
5. S.W. England	Fair to dull; local fog.	Variable	Slight.	7	7 ^h	0225	60
6. South Wales	Cloudy.	V. Good	Slight.				
7. North Wales	Fine to cloudy.	V. Good	Slight.				
8. N.W. England	Fine, foggy.	V. poor	Slight.				
9. N. Midlands	Fair, foggy.	V. poor	-				
10. N.E. England	Fine, misty.	Poor.	Slight.				
11. E. Scotland	Cloudy, some fog.	Poor.	Slight.				
12. S.W. Scotland	Dull, some drizzle.	Indifferent.	Slight.				
13. Isle of Man	Dull, misty.	Indifferent.	Slight.				
14. N. & N.W. Scotland	Fair to dull; local fog.	Indifferent.	Mod.				
15. Hebrides	Dull, some rain.	Fair.	Moderate				
16. Orkneys and Shetlands	Drizzle, foggy.	V. Poor.	Moderate				
17. N.W. Ireland	Cloudy.	Good.	Smooth.				
18. N.E. Ireland	Dull, some rain.	V. Good	Slight.				
19. S.E. Ireland	Fine; mist inland.	Good.	Smooth.				
20. S.W. Ireland	Fine to dull.	Good	Slight.				

CHART OF POSITION NUMBERS and Upper Cloud

Isallobars.

Lower Cloud.

Barometric change from 4 h. to 7 h. (half millibars).

GENERAL INFERENCE from observations received up to 9h. GMT.

A depression having two minima covers our Western and Northern districts and will probably cause further falls of rain, with thunder locally, in its vicinity. Over the Eastern and South Eastern parts of the Kingdom the weather is likely to be mainly fair, with the temperature high for the time of year.

EXPLANATION
 BAROMETER.—Isobars are 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 per hour by figures in circles.
 TEMPERATURE.—Is given in degrees Fahrenheit.
 WEATHER SYMBOLS.—
 ☉ clear sky.
 ☁ sky 1/4 clouded.
 ☁ overcast sky.
 * snow.
 ≡ fog.
 T thunder.
 SEA DISTURBANCE.—
 Rough.
 Farther Outlook.

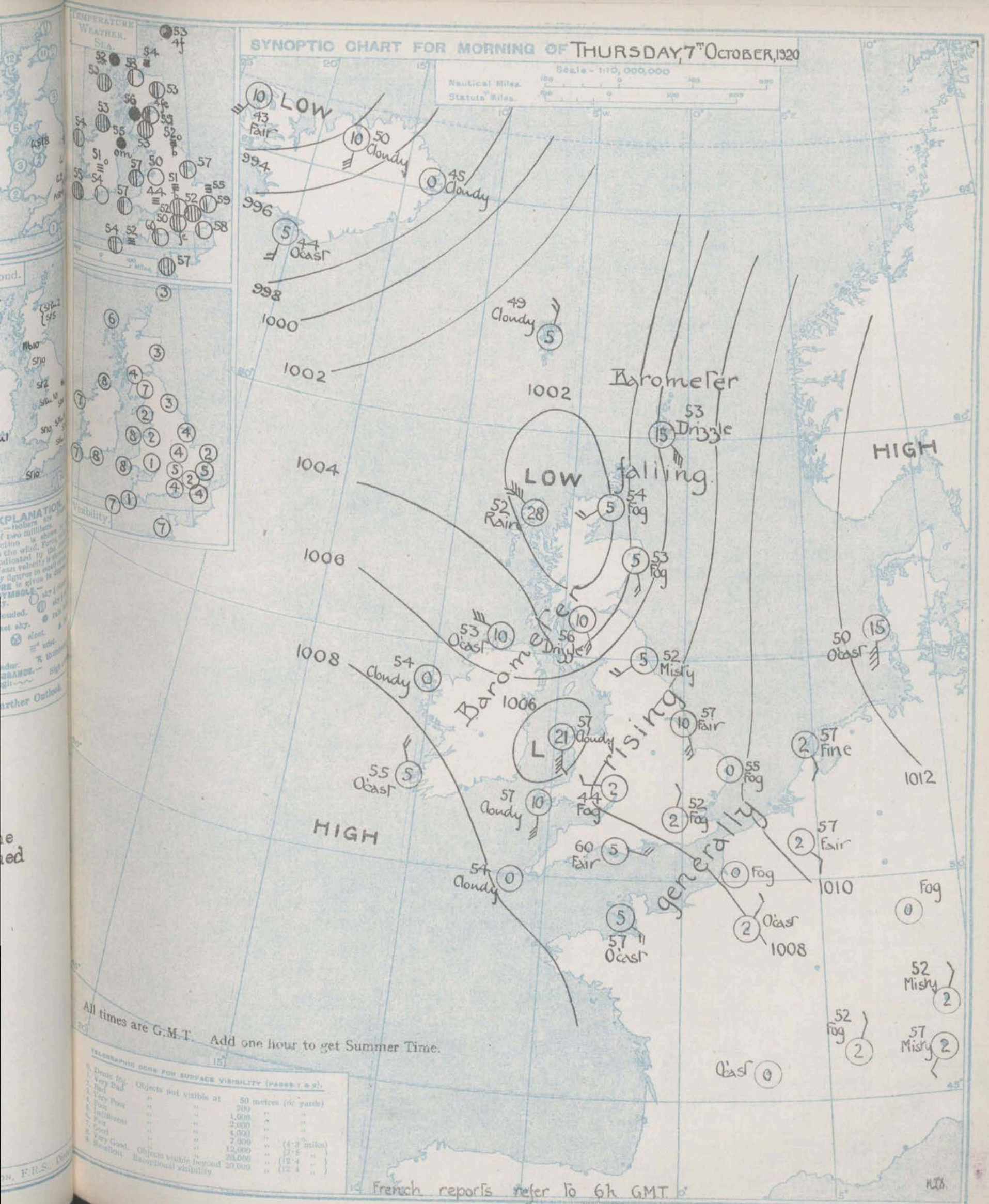
Forecast for the 24 hours commencing 15 h.G.M.T. Thursday, 7th October, 1920.

1. S.E. England	Wind South or South-East, light; fair generally; visibility fair or good; no great change of temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Wind variable to North-Westerly, light; changeable sky, some showers; thunder locally; visibility mainly fair; moderate temperature.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind mainly between N.W. and W. moderate or light; much cloud, some rain, thunder locally, fairer later. Visibility mainly fair; moderate temperature.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Wind between North-West and West, light; variable sky, some showers; visibility indifferent to fair; moderate temperature.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

None Issued

SYNOPTIC CHART FOR MORNING OF THURSDAY, 7th OCTOBER, 1920

Scale - 1:10,000,000
Nautical Miles 0 100 200 300 400 500
Statute Miles 0 100 200 300 400 500



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

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PARS. 1 & 2).

Code	Objects not visible at	50 metres (or yards)
0	Very Bad	0
1	Very Bad	100
2	Very Bad	200
3	Very Bad	300
4	Very Bad	400
5	Very Bad	500
6	Very Bad	600
7	Very Bad	700
8	Very Bad	800
9	Very Bad	900
10	Very Bad	1000
11	Very Bad	1100
12	Very Bad	1200
13	Very Bad	1300
14	Very Bad	1400
15	Very Bad	1500
16	Very Bad	1600
17	Very Bad	1700
18	Very Bad	1800
19	Very Bad	1900
20	Very Bad	2000
21	Very Bad	2100
22	Very Bad	2200
23	Very Bad	2300
24	Very Bad	2400
25	Very Bad	2500
26	Very Bad	2600
27	Very Bad	2700
28	Very Bad	2800
29	Very Bad	2900
30	Very Bad	3000
31	Very Bad	3100
32	Very Bad	3200
33	Very Bad	3300
34	Very Bad	3400
35	Very Bad	3500
36	Very Bad	3600
37	Very Bad	3700
38	Very Bad	3800
39	Very Bad	3900
40	Very Bad	4000
41	Very Bad	4100
42	Very Bad	4200
43	Very Bad	4300
44	Very Bad	4400
45	Very Bad	4500
46	Very Bad	4600
47	Very Bad	4700
48	Very Bad	4800
49	Very Bad	4900
50	Very Bad	5000
51	Very Bad	5100
52	Very Bad	5200
53	Very Bad	5300
54	Very Bad	5400
55	Very Bad	5500
56	Very Bad	5600
57	Very Bad	5700
58	Very Bad	5800
59	Very Bad	5900
60	Very Bad	6000
61	Very Bad	6100
62	Very Bad	6200
63	Very Bad	6300
64	Very Bad	6400
65	Very Bad	6500
66	Very Bad	6600
67	Very Bad	6700
68	Very Bad	6800
69	Very Bad	6900
70	Very Bad	7000
71	Very Bad	7100
72	Very Bad	7200
73	Very Bad	7300
74	Very Bad	7400
75	Very Bad	7500
76	Very Bad	7600
77	Very Bad	7700
78	Very Bad	7800
79	Very Bad	7900
80	Very Bad	8000
81	Very Bad	8100
82	Very Bad	8200
83	Very Bad	8300
84	Very Bad	8400
85	Very Bad	8500
86	Very Bad	8600
87	Very Bad	8700
88	Very Bad	8800
89	Very Bad	8900
90	Very Bad	9000
91	Very Bad	9100
92	Very Bad	9200
93	Very Bad	9300
94	Very Bad	9400
95	Very Bad	9500
96	Very Bad	9600
97	Very Bad	9700
98	Very Bad	9800
99	Very Bad	9900
100	Very Bad	10000

French reports refer to 6h GMT.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 221.

Thursday
7th October

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

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.
Oban ...	bc c.	or	61	54	5	7	08	0.0	Douglas (I.O.M.)	or	c	64	56	5	2	1.1	0.4
Banff ...	om	m	58	54	1	-	0.0	0.0	Blackpool ...	ro	org. bcb	62	57	5	1	1.4	1.2
Montrose ...	of	of	55	53	1	-	0.0	0.0	Southport ...	*	*	66	57	10	-	1.7	?
St. Andrews ...	-	-	56	53	1	1	0.0	?	Morecambe	-	-	-	-	-	-	-	-
Harrogate ...	o.c	o.c.b	65	54	2	-	1.6	0.9	Buxton ...	-	-	-	-	-	-	-	-
Scarborough ...	o	bc	62	54	-	-	0.4	2.2	Leamington Spa...	o	bc	68	50	8	1	4.0	2.5
Skegness ...	b.b	b.b	65	57	-	-	0.9	2.9	Malvern ...	r	o.c.b	64	57	12	2	1.8	1.3
Lowestoft ...	bc	bcw	64	58	-	-	8.0	6.7	Bath ...	ro.b	b.b.c	66	58	8	1	2.8	1.0
Felixstowe ...	b3	bc	65	59	-	-	8.6	8.1	Rhyl ...	r	p	65	58	1	7	2.0	1.0
Southend-on-Sea...	bc.b	b.b.c	74	56	-	-	8.2	6.8	Colwyn Bay ...	-	-	-	-	-	-	-	-
Tunbridge Wells	c.o.c	bc	68	57	-	-	3.5	7.6	Llandudno ...	rr	r.c	63	55	1	5	2.0	1.7
Margate ...	b	b.b.c	70	58	-	-	7.4	8.8	Aberystwyth ...	ro.c	c.o.r	65	58	4	5	0.7	2.0
Ramsgate ...	b	b	68	57	-	-	7.6	8.8	Tenby ...	-	-	-	-	-	-	-	-
Folkestone ...	b	b	69	58	-	-	6.8	8.3	Swansea ...	-	-	61	58	4	2	0.8	?
Hastings ...	b	b.b.c	66	59	-	-	6.1	8.2	Weymouth ...	op.o	c.b.c	65	59	7	0.2	5.0	0.0
Eastbourne ...	bc	bc	67	58	-	-	5.4	7.7	Teignmouth ...	op.c	cop.b	62	59	4	1	2.3	0.6
Brighton ...	c.b	bc.c	67	60	-	-	5.8	5.4	Torquay ...	op.b	b.c.b	62	58	1	1	3.3	0.9
Worthing ...	bc	bc	69	59	-	-	6.7	4.1	Paignton ...	op.r	bc.c	62	56	2	1	3.9	0.9
Littlehampton ...	o.c	bc	66	58	0.3	-	5.7	2.0	Penzance ...	op.r	op.r	59	54	1	9	0.7	5.6
Portsmouth (S'ham)	-	-	67	59	1.3	-	6.2	0.2	Newquay ...	op	o.b.c	60	54	0.2	4	1.0	5.5
Bournemouth ...	-	-	65	59	1.0	-	6.0	0.1	Bude ...	p.c.p	cp.b	64	55	1	1	1.3	4.9
Ventnor (I. of W.)	-	-	66	57	1.1	0.3	6.9	0.5	Ilfracombe ...	r	r.o.b	62	57	1	5	2.9	2.0
									Weston-s-Mare	r.b	bc.p.b	65	54	2	2	2.6	2.0

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.f. = continuous light rain.

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	0.3-1.0
2	4-7	1.1-2.0
3	8-12	2.1-3.0
4	13-18	3.1-4.0
5	19-24	4.1-5.0
6	25-31	5.1-6.0
7	32-38	6.1-7.0
8	39-46	7.1-8.0
9	47-54	8.1-9.0
10	55-63	9.1-10.0
11	64-75	10.1-12.0
12	Above 76	12.1 or above

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

SOUTH KENBINGTON (Meteorological Office).

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.	
Yarmouth...	6.6	11.41	6.6	11.41	6.6
Greenwich	6.12	11.48	6.12	11.48	6.12
Wick	6.35	12.0	6.35	12.0	6.35
Valencia	6.53	12.24	6.53	12.24	6.53

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 701 Joules.
Average Rate. 17.3 Milliwatts.
Maximum Rate. 50

LONDON OBSERVATIONS.

WEATHER.

Max. Temp. F.

Min. Temp. F.

Min. on Grass F.

Rainfall. mm.

Sunshine to Sunset. Hours.

Humidity %.

15 h. G.M.T.

9 h. G.M.T.

24 HOURS ENDED BY G.M.T. 7th

YESTERDAY.

TO-DAY.

Stations.	Sunrise.		Noon.		Sunset.
	G.M.T.	G.M.T.	G.M.T.	G.M.T.	
Greenwich (Royal Observatory)	6.12	11.48	6.12	11.48	6.12
City (Bunhill Row)	6.12	11.48	6.12	11.48	6.12
Westminster (St. James's Park)	6.12	11.48	6.12	11.48	6.12
Camden Sq. (British Rainfall)	6.12	11.48	6.12	11.48	6.12
Kensington Palace	6.12	11.48	6.12	11.48	6.12
Hampstead Observatory	6.12	11.48	6.12	11.48	6.12

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 6.12 to 7.00 h. 30 m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	10.30	10.24	100
8 Ursae	18.30	10.12	97

NOTES ON THE WEATHER OF YESTERDAY.

The thermometer again rose to about 70° at some stations in the South-East of England, touching 74° at Southend-on-Sea. The minimum readings of the night were less high than of late, but few stations recorded a value as low as 50°. Rain fell except in the South-East and East of England. At some places in the West and North-West the measurements were large; 30 mm. at Birr Castle, 27 mm. at Stormoway, 25 mm. at Liverpool, 18 mm. at Donaghadee and about 13 mm. in some other localities. Bright sunshine was very prevalent in the East and South-East, but elsewhere there was little.

* Information for these columns not usually received.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21595

FRIDAY 8th OCTOBER 1920.

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 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity %	Visibility 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	
			Dir.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				0-10.	Dir.					Force 0-12.	Form.	Amt. 0-10.	Form.		Amt. 0-10.
13H. G.M.T. 7 th																												
Renfrew ...	1009.3	+5	SW	4	bc	58	75	7	3.000	St. Cu	6	-	-	*	1013.4	+5	WSW	2	bc	54	85	6	1250	St. Cu	2	3	2	
Eskdalemuir ...	1009.7	+3	SW	4	bc	54	77	3	1250	Nb	10	-	-	*	1013.7	+5	WSW	1	b	49	85	8	-	St. Cu	1	-	*	
Valencia (Cahoon)	1013.7	+4	NNW	4	c	59	88	7	2000	St. Cu	5	Acu	2	3	1016.0	+4	-	0	bc	56	85	8	3.000	St. Cu	2	3	2	
Baldonnel	1011.3	+4	NNW	2	bc	55	85	5	2000	St. Cu	10	-	-	*	1016.2	+5	-	0	bc	53	85	5	2000	St. Cu	10	-	-	
Manchester (Alex. R.)	1009.7	+1	W	2	bc	66	65	5	4200	Cu	4	-	-	*	1013.0	+4	NNW	2	bc	58	85	3	1250	St. Cu	5	10	2	
Ross on Wye ...	1010.0	+1	NE	1	bc	66	75	8	4200	Cu	3	ci	1	*	1012.3	+3	N	1	b	59	85	6	5700	St. Cu	2	-	-	
Falmouth ...	1010.8	+2	ESE	1	ci	67	92	2	-	GuNb	8	-	-	*	1012.0	+4	NW	2	bc	56	92	6	-	St	1	-	-	
Calshot (Hants.)	1010.2	+1	S	2	bc	60	97	4	1250	St. Cu	10	-	-	1	1011.9	+3	-	0	bc	60	97	4	5700	St. Cu	10	-	1	
Lymington (Folkestone)	1010.1	0	ESE	3	bc	65	75	8	4200	St. Cu	3	Acu	6	*	1011.7	+2	NNE	3	bc	59	92	4	750	Nb	8	AS	2	
Aberdeen ...	1006.1	+1	S	2	bc	61	75	4	1250	St. Cu	3	Acu	2	3	1012.6	+7	W	1	bc	53	85	5	4200	St. Cu	3	-	3	
Howden ...	1010.0	0	SSE	2	bc	64	53	8	4200	St. Cu	2	ci	3	*	1013.2	+4	-	0	bc	57	97	5	3000	St. Cu	4	AS	4	
Cranwell (Lines)	1010.8	+3	SSE	2	b	70	65	6	5700	Cu	3	-	-	*	1012.3	+3	SW	1	c	63	85	7	2000	Cu	8	-	-	
Felixstowe	1012.0	0	-	0	c	64	85	6	-	-	AS	7	0	1013.4	+3	ENE	2	c	60	92	7	7200	St. Cu	5	Acu	2		
Shoeburyness	1010.9	+1	ESE	2	c	66	75	6	-	-	ci	8	-	*	1012.3	+3	ENE	1	ci	60	92	6	4200	St. Cu	4	Acu	3	
Benson	1009.2	0	SE	1	bc	69	65	4	-	-	Acu	6	-	*	1011.9	+3	-	0	ci	63	85	9	-	St	10	-	-	
S. Farnborough	1010.0	+1	E	2	ci	69	65	7	4200	Cu	1	Acu	7	*	1011.9	+2	NE	2	ci	62	85	6	4200	St. Cu	7	AS	2	
London (Kew Obs.)	1010.1	0	ESE	2	ci	69	65	8	-	-	Acu	7	-	*	1012.5	+3	ENE	2	ci	64	75	4	5700	St. Cu	10	-	-	
Croydon	1010.5	+3	SE	2	c	67	65	8	-	-	Acu	9	-	*	1012.9	+4	ENE	3	bc	60	92	4	-	Acu	9	-	-	
1H. G.M.T. OF 8 th																												
Renfrew ...	1019.1	+4	N	1	bc	39	97	8	-	-	AS	Y	-	1021.2	+3	-	0	bc	39	97	0	5500	St	10	-	-	*	
Eskdalemuir ...	1018.3	+2	NNW	1	bc	50	-	-	-	-	AS	Y	0	1021.7	+3	N	2	bc	40	92	6	-	-	ci	5	-	*	
Valencia (Cahoon)	1015.6	+3	SW	2	bc	43	94	5	-	-	-	-	0	1020.4	+3	NE	2	bc	43	97	1	-	-	ci	5	2	-	
Baldonnel	1015.6	+3	SW	2	bc	43	94	5	-	-	-	-	0	1021.1	+3	-	0	bc	43	97	1	-	-	-	-	-	-	
Manchester (Alex. R.)	1019.7	+4	S	1	bc	43	97	0	5500	St	10	-	-	1019.7	+4	S	1	bc	43	97	0	5500	St	10	-	-	-	
Ross on Wye ...	1019.0	+4	N	1	bc	49	97	1	5500	St	10	-	-	1019.0	+4	N	1	bc	49	97	1	5500	St	10	-	-	-	
Falmouth ...	1019.3	+2	NNW	2	bc	55	97	6	-	-	-	-	1	1019.3	+2	NNW	2	bc	55	97	6	-	St	Y	-	-	-	
Calshot (Hants.)	1016.6	+2	NNE	2	bc	60	97	5	3000	St	10	-	-	1016.6	+2	NNE	2	bc	60	97	5	3000	St	10	-	-	2	
Lymington (Folkestone)	1016.6	+4	NE	2	bc	58	97	1	5500	St	10	-	-	1016.6	+4	NE	2	bc	58	97	1	5500	St	10	-	-	-	
Aberdeen ...	1020.7	+4	W	1	bc	46	92	3	4200	St. Cu	3	ci	1	2	1020.7	+4	W	1	bc	46	92	3	4200	St. Cu	3	ci	1	2
Howden ...	1019.8	+3	-	0	bc	42	97	0	5500	St	10	-	-	1019.8	+3	-	0	bc	42	97	0	5500	St	10	-	-	-	
Cranwell (Lines)	1019.6	+3	NNW	2	bc	47	97	1	5500	St	10	-	-	1019.6	+3	NNW	2	bc	47	97	1	5500	St	10	-	-	-	
Felixstowe	1017.7	+4	E	2	bc	60	97	5	3000	St	Y	ci	2	2	1017.7	+4	E	2	bc	60	97	5	3000	St	Y	ci	2	2
Shoeburyness	1017.0	+5	NE	1	bc	55	92	4	-	-	St	10	-	-	1017.0	+5	NE	1	bc	55	92	4	-	St	10	-	-	-
Benson	1017.6	+4	NNE	3	bc	59	92	3	750	St	Y	AS	2	-	1017.6	+4	NNE	3	bc	59	92	3	750	St	Y	AS	2	-
S. Farnborough	1018.4	+4	NNE	1	bc	59	92	3	750	St	Y	AS	2	-	1018.4	+4	NNE	1	bc	59	92	3	750	St	Y	AS	2	-
London (Kew Obs.)	1017.9	+5	NE	2	bc	58	97	3	5500	St	10	-	-	1017.9	+5	NE	2	bc	58	97	3	5500	St	10	-	-	-	

STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.

STATIONS.	Barom. at M.S.L.	TEMP.	WIND.		Weather.	BAROMETEE.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.
	mb.	°F.	Dir.	Force 0-12.		at M.S.L. mb.	Change in 8 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
	18H. G.M.T. of 7 th																				
Lerwick	1005.2	54	SSW	2	bc	1017.6	+6	51	-2	SW	2	S	bcu	1	0.2	54	49	fd	fd	om. bcu	4
Stornoway	1011.3	54	W	2	03	1016.6	+2	54	+2	S	4	-	0	3	1	55	51	or. o	03	0	0.0
Castlebay (Barra Is.)	1013.1	55	SW	2	0	1018.2	+3	55	+2	S	4	-	c	4	Trace	56	53	o. c. o	0	o. b. bc	1.6
Malin Head	1013.2	53	WSW	2	cm	1018.2	+1	55	-3	SSW	2	S	bcu	1	-	56	49	c	b	bc.	4.6
Blackod Point	1014.4	55	SW	1	bc	1017.3	+5	55	+4	S	2	-	bc	1	-	58	57	c	bc	bc. c. bc	-
Roche's Point	1016.3	57	N	1	c	1020.3	+2	47	-7	NNW	1	-	of	2	0.3	62	46	b. bc	bc. c	c. b. bc	-
Burr Castle	1014.8	52	NW	1	c	1020.3	-	39	-12	NW	1	-	c	-	-	55	39	o	g. c. bc	fc	0.0
Donaghadee	1013.8	55	N	2	bcu	1020.0	+3	50	-5	NNW	1	N	bcu	1	1	57	45	om	bcu	bcu	-
Liverpool (Bilston)	1013.3	57	NNW	2	0	1019.9	+2	53	+3	NW	1	-	om	1	-	63	50	b. bc	bc. d	o. cm	7.4
Holyhead	1013.3	56	N	4	08	1019.4	+1	54	-3	NE	3	-	bcu	1	1	61	53	c. bc	ac	a. c. bcu	0.7
Pembroke (St. Mary's)	1013.5	56	NNW	2	03	1018.5	+1	53	+4	NE	2	NE	bcu	2	0.2	61	53	c	c	c. o. b	5.5
Scilly (St. Mary's)	1013.4	56	N	2	bc	1017.3	+1	55	+1	NNW	3	N	0	3	-	60	54	c. bc. c	c. bc	bc. o. b	3.8
Jersey (St. Aubin)	1010.0	61	NNE	2	0	1014.7	+1	59	+2	NE	1	-	om	1	-	65	56	o. b. o	o. bc. o	b. cm	1.6
Portland Bill	1010.7	62	E	2	bc	1016.9	+4	60	0	N	5	N	c	4	-	65	57	bc	bc	bc. a. c	-
Dungeness	1010.9	62	ENE	3	c	1017.0	+5	60	+3	E	2	-	bc	3	-	64	58	bc. f. c	c	bc. a. c	-
Wick	1010.2	50	WSW	2	c	1018.3	+3	51	-3	SSW	2	-	bc	1	1	57	48	f. opq	op. c	c. bc. c	-
Nairn	1002.9	53	WSW	1	c	1019.4	-	43	-15	-	0	-	bc	0	1	58	44	bc. c. g	p. c. g	c. bc	0.5
Leith	1012.5	53	SW	2	b	1020.1	+2	43	-10	WSW	1	W	cm	1	-	64	42	om. c. bc	b	bc. v. m. c	-
Tynemouth	1013.1	58	NW	2	bc	1020.4	+2	52	0	NNW	2	-	bc	2	-	65	51	bcu	bcu	bcu	-
Spurn Head	1012.4	58	SSE	2	c	1019.2	+2	53	-2	N	8	-	bcu	2	0.1	64	52	bc	bc	bcu	-
Yarmouth	1012.7	60	-	0	bc	1017.2	+1	59	+4	NNE	3	-	cm	1	-	65	55	bc. bcu	bc	bc. cu. d	4.2
Clacton-on-Sea	1012.5	62	ESE	2	c	1017.5	+3	60	+1	NNE	4	-	om	3	-	65	58	bc. c. g	c. g	c. g. om	0.6
Nottingham	1012.5	64	NW	1	cm	1020.1	-	53	+2	NE	1	-	bcu	2	-	74	49	bc	bc	bc. b	5.4

* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 8.10.1920.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Dull, mist or fog.	Poor	Slight.
2. E. England	Dull: mist & local fog.	Indiff.	Smooth.
3. E. Midlands	Fine to Dull: foggy.	V. Poor	-
4. W. Midlands	Dull, some fog.	"	-
5. S.W. England	Cloudy.	Fair	Slight.
6. South Wales	Fine to fair.	Good	Smooth.
7. North Wales	Fair, misty.	Fair	V. Smooth.
8. N.W. England	Fair to dull, misty.	Poor	"
9. N. Midlands	Dull: mist or fog.	Bad.	-
10. N.E. England	Fair, misty.	Indiff.	Smooth.
11. E. Scotland	Fair, some fog.	"	"
12. S.W. Scotland	Fair, local fog.	Var.	V. Smooth.
13. Isle of Man	Fair, misty.	Indiff.	"
14. N. & N.W. Scotland	Fair to dull.	Fair	Smooth.
15. Hebrides	Dull.	"	Mod.
16. Orkneys and Shetlands	Fair, misty.	Indiff.	V. Smooth.
17. N.W. Ireland	Fair.	V. Good	"
18. N.E. Ireland	Fair, misty.	Good	"
19. S.E. Ireland	Dull, some fog.	Indiff.	Smooth.
20. S.W. Ireland	Fair to dull, some fog.	Fair	"

Temperature reported from Coastal and Cross Channel Steamers

Position Number.	Date	Time G.M.T.	Sea °F	Air °F
HA	7 th	0320	57	58
12	7 th	0520	54	56
3	7 th	0934	56	56
1	7 th	1144	60	63
7	8 th	0150	60	60
12	8 th	0315	54	58
8	8 th	0425	60	61

CHART OF POSITION NUMBERS and Upper Cloud



Lower Cloud.



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

A band of relatively high pressure extends from the S.W. of Ireland North-Eastwards to Norway, while the barometer is lowest over France and in the Icelandic region. Mainly fair weather appears probable, but the temperature will be less high than of late over England.

EXPLANATION
 BAROMETER.—Isobars are 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 given per hour by figures in brackets.
 TEMPERATURE.—Mean temperature is given in degrees Fahrenheit.
 WEATHER SYMBOLS.—
 ☉ clear sky. ☁ sky & cloud. ☁ overcast sky. * snow. ☁ mist. ☁ fog. T thunder. SEA DISTURBANCE.—High rough.

Farther Outlook

None issued.

All times are
 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.

Districts. Forecasts for the 24 hours commencing 15h. G.M.T.

1. S.E. England	Wind mainly between E. and N., light or moderate; mainly fair but much cloud at times, visibility indifferent to fair; less warm than of late in most places.
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 light or moderate from S. or S.W.; fair or cloudy, overcast at times, visibility fair; moderate temperature.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	Light variable or N.E. winds; fair, visibility fair to good; moderate temperature.
20. S.W. Ireland	

LOW



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 282.

Friday
8th October

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

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.					6-7	7	7	6	Douglas (I.O.M.)					6-7	7	7	6
Banff	o.c.	bc	58	53	8	-	2.6	0.8	Blackpool	m.bc		67	50	-	-	7.7	1.4
Montrose	bc.c	c.b.c.b	60	53	0.1	-	2.7	0.0	Southport	b	b.bc.c	66	48	-	-	7.2	1.7
St. Andrews	bc.c	c	65	50	0.2	-	6.4	0.0	Morecambe	?	?	65	51	-	-	7.6	?
England, N.E.									England, N.W.								
Harrogate	bc	bc	65	46	0.1	-	5.3	1.6	Buxton	m.c.b.c.b	b.b.c.b	65	43	-	-	6.0	4.0
Scarborough	b	b	70	52	-	-	5.7	0.4	Leamington Spa	bc	b	72	45	-	-	5.5	1.8
Skegness	b	b	66	54	-	-	9.2	6.9	Malvern	c.bc	bc.b	70	44	-	-	7.6	2.8
Lowestoft	bc	bc	66	56	-	-	7.2	8.0	Bath	m.b	b.bc	68	46	-	-	3.6	2.0
Felixstowe	bc	cp	64	55	-	-	7.0	8.6	Rhyl	bc	bc	65	58	-	-	5.7	2.5
Southend-on-Sea	bc	c.o	68	53	-	-	3.9	8.2	Colwyn Bay	?	?	65	50	-	-	5.4	2.0
England, E.									Wales								
Tunbridge Wells	am.o.c	bc	68	52	-	-	2.1	3.5	Llandudno	bc.c	co	65	51	-	-	4.7	0.7
Margate	b.bc.c	c	67	57	-	-	2.7	7.4	Aberystwyth	o.c.b	bc.o	63	51	-	-	-	-
Ramsgate	*	*	64	56	-	-	3.1	7.6	Tenby	?	?	65	56	-	-	7.6	0.9
Folkestone	bc.c	cp.c	67	56	-	0.3	2.3	6.8	Swansea	?	?	65	56	-	-	6.8	2.3
Hastings	f	bc.or.o	68	56	trace	2	1.2	6.1	Weymouth	c.bc	bc	70	51	-	-	8.0	3.3
Eastbourne	o	o.c.o	65	50	-	-	1.8	5.6	Teignmouth	b	b	66	45	-	-	7.8	3.9
Brighton	o	c.o	69	53	-	-	1.8	5.8	Torquay	m.bc.b	b	67	48	-	-	8.5	0.7
Worthing	o.c	o	65	55	-	-	0.9	7.0	Paignton	b	b	67	43	-	-	5.5	1.0
Littlehampton	c	o.c	65	55	-	-	0.2	5.7	Penzance	bc	bc.c	64	53	0.2	-	8.0	1.3
Portsmouth (Sithsea)	*	*	64	55	1	-	0.2	6.3	Newquay	bc.b	b	60	48	0.2	-	9.3	2.9
Bournemouth	*	*	65	49	-	-	3.0	6.0	Bude	b	b	63	56	-	-	8.5	2.6
Ventnor (I. of W.)	*	*	66	57	-	-	0.4	6.9	Ilfracombe	bc.c	bc.b	63	54	-	-	-	-
									Weston-s-Mare	bc.b	b	66	46	-	-	-	-

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.	7h-18h.				Day. 7h-18h.	Night. 18h-7h.	
Renfrew	co.b.c	b.c	b.c	b.c	61	37	31	1	-	5.2
Eskdalemuir	odd.	odd.	odd.	odd.	58	36	31	2	Trace	1.8
Valencia (Cahire'nj)	bc.c	b.c.c	b.c.c	b.c.c	59	43	40	-	-	4.2
Baldonnel	o.c	o.c	o.c	o.c	54	36	35	0.1	-	4
Manchester (Alex. Pk.)	b.c.c	b.c.c	c.o	b.c	66	44	34	-	Trace	4
Ross on Wye	o.c	b.c	b.c	b.c	68	48	40	-	-	6.7
Falmouth	o.c	b.c	b.c	b.c	63	51	49	-	-	3.8
Calshot (Hants.)	o.c	o.c	o.c	o.c	62	34	34	-	-	0.6
Lymington (Folkestone)	o.c	o.c	o.c	o.c	66	54	49	6	0.2	3.1
Aberdeen	3f. 2f.	2f. bc.c	2f. bc.c	2f. bc.c	61	45	36	-	-	3.5
Howden	3. bc.c	b.c.c	b.c.c	b.c.c	64	42	34	-	-	6.8
Cranwell (Lincoln)	bc.c	b.c.c	b.c.c	b.c.c	41	44	43	Trace	Trace	6.3
Felixstowe	1f. bc.c	p. bc.c	bc.c	bc.c	65	51	4	0.1	-	4.1
Shoeburyness	3f. bc.c	p. bc.c	c.o	o.c	66	51	54	0.2	0.1	4.2
Benson	-	b.c.c	c.o	o	50	52	44	-	0.1	-
S. Farnborough	2f. 1f.	1f. o.c	1f. o	ow	69	51	61	-	Trace	4.1
London (Kew Obs.)	o.c	o.c	o.c	o.c	70	52	55	Trace	-	4.0
Croydon	o.c	o.c	o.c	o.c	70	36	4	Trace	1	0.0

BEAUFORT NOTATION.

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

Limits of Velocity at about 30 feet above ground.		
No.	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	8.5-10.4
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 76	20.8 or above

SYMBOLS.

Aurora \swarrow Solar halo
Rime \nwarrow Lunar halo
Glazed frost \searrow Solar corona
Glazed roads \swarrow Lunar corona

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

LONDON OBSERVATIONS.

STATION.	WEATHER.	Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity %.
Greenwich (Royal Observatory)	b.c	60	42	50	-	6.9	65
City (Sunhill Row)	*	60	42	50	-	3.4	65
Westminster (St. James's Park)	*	60	42	50	-	4.3	68
Camden Sq. (British Rainfall)	m.bc	60	42	50	-	6.9	91
Kensington Palace	b	60	42	50	-	5.0 (18h)	98
Hampstead Observatory	c.b.c.m	60	42	50	-	5.7	88

24 HOURS ENDED 9h G.M.T.				YESTERDAY.		TO-DAY.	
Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity %.	Sunrise. G.M.T.	Sunset. G.M.T.
60	42	50	-	6.9	65	6.9	9.4

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Total Joules.	Average Rate. Milli-watts.	Maximum Rate.
75.0	75.0	18.6	50

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

8 th & 9 th October 1920.			
Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.9	11.41	5.11
Greenwich	6.9	11.40	5.11
Wick	6.14	11.47	5.22
Valencia	6.35	11.59	5.33

Photographic Record of

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

Exposure from 7.15 h. 30 m. to 8.15 h. 30 m.

Star.	Duration of Exposure.	Duration of Record.	%
Polaris	10.30	4.26	42
δ Ursae Minoris	10.30	2.42	26

NOTES ON THE WEATHER OF YESTERDAY.

Temperature again rose to 70° or a little higher at various places in the Southern half of England, but failed to rise to 60° at many stations in the North and West. Slight frost occurred on the grass in the South of Scotland during the night, but generally the minima were high for the time of year. Slight rain fell locally and 6mm at Lymington. Bright sunshine was again very prevalent in the East and South East of England, as well as at Liverpool and Valencia.

LONDON:

1920.

TEMPERATURE.

Max. Min.

°F. °F.

70 61

77 61

73 59

81 59

88 73

72 57

66 61

71 73

70 50

68 51

77 57

81 63

82 63

Weather.

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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 26,506 SATURDAY 9TH OCTOBER 1920.

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

STATIONS.	BAROM.	↑	WIND.		TEMP.	Humidity.	Visibility	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea	BAROM.	↑	WIND.		TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea																									
	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.					Form.	Amt. 0-10.	Form.	Amt. 0-10.		0-8.	at M.S.L.	Change in 3 hours.	Dir.					Force 0-12.	Form.	Amt. 0-10.	Form.		Amt. 0-10.	0-8.																							
	mb.																																																		
12H. G.M.T. OF 8 TH																										12H. G.M.T. OF 8 TH																									
Renfrew ...	1021.3	-1	-	0	54	92	3	-	-	-	Cs	7	*	1021.2	0	-	0	54	85	3	-	-	-	Cs	9	*																									
Eskdalemuir ...	1021.3	+1	SE	2	59	75	7	3.000	Cu	5	Ci	1	*	1022.1	0	NW	1	50	85	7	-	-	-	Ci	2	*																									
Valencia (Cahire's)	1019.9	-1	ENE	3	61	75	8	3.000	Cu	1	Cc	2	2	1019.5	0	S	2	55	85	7	2000	Cu	1	Cs	1	2																									
Baldonnel ...	1020.7	-1	ENE	2	63	58	85	3	3.000	St	2	-	*	1020.4	+2	E	2	53	92	4	3.000	St	1	Cs	2	*																									
MANCHESTER (ALEX. PARK)	1020.3	-1	N	1	63	65	75	2	-	-	-	-	*	1020.4	+1	ENE	3	59	85	3	-	-	-	Ci	1	*																									
Ross on Wye ...	1018.9	-1	NE	2	63	63	75	4	3.000	Cu	1	-	*	1019.2	+1	ENE	1	60	92	3	2.000	St	9	-	*																										
Falmouth ...	1017.5	0	ESE	1	61	85	5	-	St	10	-	-	*	1019.2	+1	ESE	3	59	97	2	-	St	10	-	-	*																									
Calshot (Hants) ...	1017.7	0	ESE	2	63	92	6	1.250	St	5	Cs	2	1	1019.5	+4	ESE	3	59	97	3	1.500	St	10	-	-	2																									
Lymington (Folkestone)	1016.6	0	ENE	3	61	69	75	6	-	-	-	-	*	1019.7	+3	NE	3	60	92	5	-	-	-	Cs	3	*																									
Aberdeen ...	1021.6	0	S	2	59	75	7	1.250	St	1	-	-	2	1021.6	0	S	2	53	92	4	-	-	-	Cs	2	2																									
Howden ...	1022.1	0	-	0	65	65	75	4	4.250	St	2	Cs	2	1021.6	+3	E	2	55	97	3	-	-	-	Ci	2	*																									
Cranwell (Lincoln)	1020.6	+1	NE	2	63	63	85	5	4.250	St	2	Cc	4	1021.4	+2	ENE	2	57	92	4	-	-	-	Cs	1	*																									
Felixstowe ...	1019.7	0	ENE	3	63	66	85	6	-	-	-	-	1	1020.5	+1	NE	3	58	97	1	-	-	-	-	-	1																									
Shoeburyness ...	1018.9	+1	NE	2	63	68	75	7	-	-	-	-	*	1020.1	+2	NE	1	59	92	2	-	-	-	-	-	*																									
Benson ...	1017.7	-1	NE	2	63	64	85	4	-	St	5	-	*	1019.0	+1	N	1	62	92	4	-	St	10	-	-	*																									
S. Farnborough ...	1017.8	0	ENE	2	62	66	85	5	3.000	Cu	7	-	*	1019.1	+2	E	2	65	85	5	4.250	St	9	Cs	1	*																									
London (Kew Obs.)	1018.0	-2	ENE	3	63	68	75	5	4.250	Cu	4	-	*	1019.7	+2	E	2	66	75	4	3.000	St	5	-	-	*																									
Croydon ...	1018.5	+1	E	4	61	70	65	7	3.000	Cu	2	-	*	1020.2	+3	E	2	62	85	6	3.000	Cu	1	-	-	*																									
1H. G.M.T. OF 9 TH																										7H. G.M.T. OF 9 TH																									
Renfrew ...	1023.4	0	-	0	bm	44	97	4	-	-	-	-	*	1022.3	0	-	0	42	97	0	1.500	St	10	-	-	*																									
Eskdalemuir ...	1018.5	0	-	0	bm	50	*	*	*	*	*	*	1	1022.5	0	N	2	51	92	5	-	St	9	-	-	*																									
Valencia (Cahire's)	1020.4	-1	E	3	65	47	97	1	3.000	St	1	-	*	1017.4	+1	-	0	52	92	6	2.000	St	7	Cs	3	2																									
Baldonnel ...	1020.4	-1	E	3	65	47	97	1	3.000	St	1	-	*	1019.5	0	-	0	50	97	1	4.500	St	10	-	-	*																									
MANCHESTER (ALEX. PARK)	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.5	+1	ENE	2	51	97	2	3.000	St	7	-	-	*																									
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1020.4	+1	ENE	3	56	97	2	4.500	St	10	-	-	*																									
Falmouth ...	1019.1	0	ESE	2	58	97	6	-	St	10	-	-	*	1019.8	0	E	2	58	97	5	-	St	9	-	-	*																									
Calshot (Hants) ...	1020.4	0	NE	1	58	97	3	1.500	St	10	-	-	1	1019.7	-1	NNE	2	56	97	2	1.500	St	10	-	-	1																									
Lymington (Folkestone)	1020.3	0	N	3	57	97	1	4.500	St	3	-	-	*	1020.1	0	ENE	3	57	97	2	4.500	St	9	-	-	*																									
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1022.0	+1	-	0	48	92	2	-	-	-	-	-	3																									
Howden ...	1023.5	-1	-	0	53	97	1	1.500	St	10	-	-	*	1023.4	+1	E	1	54	97	2	4.500	St	10	-	-	*																									
Cranwell (Lincoln)	1022.4	0	ENE	2	56	97	1	4.500	St	10	-	-	*	1022.9	+1	E	2	56	97	1	4.500	St	10	-	-	*																									
Felixstowe ...	1021.4	-0	ENE	3	60	97	3	1.500	St	10	-	-	2	1021.9	+1	NE	3	59	97	4	1.500	St	9	Cc	1	1																									
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1020.9	0	NE	2	58	92	3	-	-	-	Ci	1	*																									
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1020.2	+1	-	0	57	92	2	-	St	10	-	-	*																									
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1020.0	0	NNE	1	59	97	1	750	St	10	-	-	*																									
London (M.O. at 1st)	1020.7	0	*	*	*	*	*	*	*	*	*	*	*	1020.8	+1	ENE	2	60	97	2	4.500	St	10	-	-	*																									
Croydon ...	1021.1	0	E	3	57	97	2	750	St	10	-	-	*	1020.9	+2	NE	3	59	97	1	4.500	St	10	-	-	*																									

STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.

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.
			Direc.	Force 0-12.		Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.	Max. °F.	Min. °F.					Morning.	Afternoon.	Night.			
18H. G.M.T. of 8 TH						7H. G.M.T. of 9 TH						24 HOURS ENDED 7H. 0 TH						8 TH			
Lerwick	1019.9	53	S	2	0	1020.2	+1	52	+1	5	1	-	bm	1	-	56	50	bc.m	bc.m	bc.m	*
Stornoway	1018.4	55	S	4	bc	1018.5	0	52	-2	3	1	-	bc	1	-	59	52	o.bc.	bc	bc.bbc	3.2
Castlebay (Barra)	1019.2	36	SE	4	b	1019.1	0	54	-1	ESE	4	-	b	4	Trace	56	53	o.bc.m	bc.m.b	b	7.0
Malin Head	1018.6	56	S	1	b	1018.2	0	52	+2	SSE	2	-	b	2	-	61	48	bc.o	b	b.bm	8.7
Blackod Point	1018.6	55	SW	2	b	1016.3	-3	54	-1	-	0	-	bc	1	-	60	49	bc.	bc	c	*
Roche's Point	1020.1	53	-	0	b	1018.7	+2	58	+11	SE	2	-	o	2	0.2	61	46	f.b.	b	b.of	*
Birr Castle	1019.3	57	SE	1	bc	1018.6	*	45	*	SE	1	-	o	*	-	63	48	c	bc.gbc	bc	9.5
Donaghadee	1020.4	52	-	0	bm	1019.9	+1	55	+5	SSE	2	-	om	1	-	61	45	bm	bm.	dmw	*
Liverpool (Bidston)	1020.7	59	NNW	1	m	1021.2	0	55	+2	E	1	-	f	1	-	62	53	bm	bm	bm.f	7.3
Holyhead	1020.0	58	ENE	3	bm	1019.7	+1	56	+2	-	0	SW	cm	0	Trace	63	51	o.bc.m	bm	bmwo	8.5
Pembroke (St. Mary's)	1018.8	60	-	0	bc	1019.7	+1	59	+5	E	2	-	ogm	1	-	68	54	bc.	bc.	bzbmo	9.3
Seilly (St. Mary's)	1017.6	58	ESE	1	o	1017.4	0	55	0	SSE	1	-	f	1	-	62	56	c.bc.m	bc.om	om.f	4.3
Jersey (St. Aubin)	1017.2	57	-	0	f	1017.2	0	58	-1	NE	2	-	cm	1	-	61	56	om.	om.f	bm.cm	0.0
Portland Bill	1018.4	60	ENE	3	o.m	1018.6	0	59	-1	E	2	-	o	3	-	63	57	c.om.	om.	om.o	*
Dunagness	1019.4	61	ENE	3	b	1019.4	0	60	0	ENE	3	-	bm	3	-	66	53	bc	bc	bcm	*
Wick	1019.5	54	SSW	1	bc	1019.5	0	51	0	SSW	2	-	bc	1	-	56	49	bc.	bc	bc.b	*
Nairn	1019.4	54	-	0	bc	1019.9	*	41	-2	-	0	-	bc	0	-	62	39	bc.b	b.bc	bcwx	7.8
Leith	1020.2	53	NE	1	b	1021.8	0	45	+2	NE	1	-	f	1	0.2	60	43	cm.bc	bcz.b	bm.f	*
Tynemouth	1022.1	54	SE	1	f	1022.3	0	51	-1	SE	1	-	f	1	-	57	49	bc.	f.o	fe	*
Spurn Head	1021.9	53	NNE	2	f	1023.2	0	56	+1	ESE	3	-	fd	2	2	57	51	f.	f.	fw.f	8.0
Yarmouth (Old London)	1020.8	58	ESE	1	b	1021.9	+2	58	-1	ESE	2	-	m	1	-	63	56	c.mbm	bm.f.bm	bm.f	6.3
Clacton-on-Sea	1019.9	39	E	3	f	1021.1	+1	59	-1	NE	3	-	bm	2	-	68	58	og.f	bcz.f	bcz.f	6.7
Nottingham	1021.0	60	E	2	b	1022.8	*	55	+2	ENE	2	-	dm	*	Trace	66	52	b.bc	bc.b	bc.m	*

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 9.10.20.

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	Dull, foggy.	Bad.	Smooth	4A	8 ^m	0330	55	56
2. E. England	Dull; mist or fog.	V. Poor	V. Smooth	5	8 ⁴	0830	56	56
3. E. Midlands	Dull foggy, local drizzle	Bad.	-	3	8 ⁴	1110	56	56
4. W. Midlands	Dull, foggy.	Bad.	-	6	8 ⁴	1403	60	62
5. S.W. England	Dull, foggy.	Poor.	Smooth	2	9 ⁴	0055	56	57
6. South Wales	Dull, misty, gloomy.	Poor.	V. Smooth	4A	9 ⁴	0315	57	58
7. North Wales	Cloudy, mist or fog.	V. Poor	V. Smooth	12	9 ⁴	0315	55	55
8. N.W. England	Dull, foggy.	V. Poor	Smooth					
9. N. Midlands	Dull, mist or fog.	Bad.	-					
10. N.E. England	Foggy.	Bad.	V. Smooth					
11. E. Scotland	Foggy.	Bad.	Smooth					
12. S.W. Scotland	Dull, foggy.	Poor	V. Smooth					
13. Isle of Man	Dull, mist or fog.	Poor	Smooth					
14. N. & N.W. Scotland	Fair or fine, misty.	Indif.	V. Smooth					
15. Hebrides	Fair or fine; some mist.	Fair.	Slight.					
16. Orkneys and Shetlands	Fine, misty.	V. Poor	V. Smooth					
17. N.W. Ireland	Fair.	Good.	Slight.					
18. N.E. Ireland	Fair to dull, some mist.	Indif.	Smooth					
19. S.E. Ireland	Dull, misty.	Poor.	Smooth.					
20. S.W. Ireland	Dull, misty.	Indif.	Smooth.					



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 given per hour by figures in square.
 TEMPERATURE.—Mean temperature is given in degrees Fahrenheit.
 WEATHER SYMBOLS.—
 ☉ clear sky.
 ☁ sky 1 clouded.
 ☁☁ overcast sky.
 ❄ snow.
 ☁☁ fog.
 ⚡ thunder.
 SEA DISTURBANCE.—
 Rough
 Farther Outlook

GENERAL INFERENCE from observations received up to 9h. GMT.

An anticyclone which covers the North Sea region and extends over the greater part of this country will maintain generally fair dry weather although much mist and fog is to be expected at night and in the early morning.

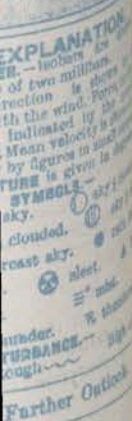
Districts.	Forecasts for the 24 hours commencing 15 h.G.M.T. Saturday 9th October, 1920.
1. S.E. England	Wind mainly from some Easterly point, light Mainly fair, but mist or fog night and early morning. Visibility fair during most of day. Temperature continuing above the normal.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Wind between South and South-East, light to moderate; fair or cloudy, mist at times: Visibility fair generally; Moderate temperature.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind South to South-West, light or moderate; fair or cloudy generally, but some showers. Visibility fair Moderate temperature.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Wind South or South-East, light. Mainly fair; some mist at times. Visibility mainly fair. Moderate temperature.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Continuing fair & dry in England, uncertain elsewhere.

Scale - 1:10,000,000

Nautical Miles. 0 100 200 300

Statute Miles. 0 100 200 300



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

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 283.

SATURDAY
9th OCTOBER 1920

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 ...	bc b		62	49	1	-	8.1	2.6	Douglas (I.O.M.)								
Banff ...	bc b	b bc	63	42	-	-	8.8	2.7	Blackpool ...	bc b		67	45	-	-	6.3	7.7
Montrose ...	bc	bc	59	42	-	-	9.0	6.4	Southport ...	b bc b	bc b	66	45	-	-	6.3	7.2
St. Andrews ...	+	+	57	38	-	-	8.1	?	Morcambe ...	+	+	66	49	-	-	7.2	7.6
England, N.E.									Midlands.								
Harrogate ...	b	b	64	48	-	-	8.2	5.3	Buxton ...	mc bcb	b bcb	66	41	-	-	6.3	6.0
Scarborough ...	b	b	68	51	-	-	7.4	5.7	Leamington Spa ...	c b	c b	66	48	-	-	1.5	5.5
Skegness ...	f b m	b m	58	50	-	-	0.8	9.2	Malvern ...	c	c	63	52	-	-	4.2	7.8
Lowestoft ...	c b com	om f	62	56	-	-	1.4	7.2	Bath ...	m a c b c	c b c b	63	48	-	-	1.7	3.6
Felixstowe ...	bc f	o f	64	59	-	-	4.3	7.0	Rhyl ...	bc	bc	64	57	-	-	8.3	5.7
Southend-on-Sea ...	b	b	73	56	-	-	8.2	3.4	Colwyn Bay ...	+	+	61	51	-	-	8.0	5.4
England, E.									Llandudno ...	b	b	62	49	-	-	8.2	4.8
Tunbridge Wells	c bc b	b	71	57	-	-	6.8	2.1	Aberystwyth ...	c b	b bc	71	46	-	-	9.0	4.7
Margate ...	b	b	67	59	0.2	-	8.9	2.7	Tenby ...								
Ramsgate ...	bc	bc	72	58	-	-	9.0	3.1	Swansea ...	+	+	68	52	-	-	7.1	7.4
Folkestone ...	bc	bc	69	57	0.3	-	8.9	1.2	Weymouth ...	o c o	o	64	57	-	-	0.2	6.8
Hastings ...	bc b	b	66	57	-	-	3.5	1.8	Teignmouth ...	bc c	o	65	57	-	0.1	0.0	8.5
Eastbourne ...	o	o c bc	65	59	-	-	2.3	1.8	Torquay ...	o	o	63	54	-	-	0.0	8.0
Brighton ...	o bc	bc of	64	59	-	-	2.1	0.9	Paignton ...	o m	o m	64	54	-	-	0.0	8.5
Worthing ...	o bc	o	63	56	0.4	-	1.8	0.2	Penzance ...	bc c o	c o	63	55	-	-	2.1	5.5
Littlehampton ...	o c m	bc o m	67	59	-	-	1.9	0.2	Newquay ...	w o m bc	b z o z	63	55	-	-	3.3	8.3
Portsmouth (Sithsea)	+	+	63	56	1	-	0.0	3.0	Bude ...	c	c bc	68	47	-	-	2.3	9.3
Bournemouth ...	+	+	63	57	1	-	0.2	0.4	Ilfracombe ...	o	o	65	55	-	-	4.7	8.5
Ventnor (I. of W.)	+	+	63	57	1	-	0.2	0.4	Weston-s-Mare ...	bc m	bc m	65	53	-	-	1.0	8.5

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	RAINFALL.		Sun. Hours.
	7h-18h.	18h-18h.	18h-18h.	1h-7h.				Day. 7h-18h.	Night. 18h-7h.	
Renfrew ...	bc b	bc b	bc b	bc b	60	39	32	-	-	4.3
Eskdalemuir ...	bc b	bc b	bc b	bc b	62	39	37	-	trace	9.5
Valencia (Cahire'n)	bc b	bc b	bc b	bc b	61	42	40	-	-	9.4
Baldonnel ...	bc b	bc b	bc b	bc b	53	46	46	-	0.2	7.5
MANCHESTER (PARK)	bc b	bc b	bc b	bc b	71	43	40	-	trace	4
Ross on Wye ...	bc b	bc b	bc b	bc b	65	49	50	-	trace	2.7
Falmouth ...	bc b	bc b	bc b	bc b	63	54	56	-	trace	0.7
Calshot (Hants) ...	bc b	bc b	bc b	bc b	64	54	5	-	-	2.0
Lymington (Folkestone)	bc b	bc b	bc b	bc b	69	54	49	-	trace	8.8
Aberdeen ...	bc b	bc b	bc b	bc b	60	46	38	-	-	8.5
Howden ...	bc b	bc b	bc b	bc b	67	42	41	-	-	8.2
Cranwell (Lincs) ...	bc b	bc b	bc b	bc b	65	55	53	-	0.2	3.6
Felixstowe ...	bc b	bc b	bc b	bc b	65	57	*	-	0.2	4.2
Shoeburyness ...	bc b	bc b	bc b	bc b	70	54	47	trace	-	8.4
Benson ...	bc b	bc b	bc b	bc b	67	54	48	-	-	*
S. Farnborough ...	bc b	bc b	bc b	bc b	70	51	45	-	0.1	3.7
London (Kew Obsy.)	bc b	bc b	bc b	bc b	70	54	56	trace	-	4.5
Croydon ...	bc b	bc b	bc b	bc b	72	57	*	-	0.2	*

BEAUFORT NOTATION.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three quarters covered).
d drizzle, or fine rain.
e wet air without rain falling.
f fog. g gloom.
h hail. 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.		
No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.8
1	1-3	0.8-1.3
2	4-7	1.3-1.9
3	8-12	1.9-2.5
4	13-18	2.5-3.1
5	19-24	3.1-3.7
6	25-31	3.7-4.3
7	32-38	4.3-4.9
8	39-46	4.9-5.5
9	47-54	5.5-6.1
10	55-63	6.1-6.7
11	64-75	6.7-7.7
12	Above 76	7.7 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 %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.							
	Morning.	Afternoon.	Night.						16 h. G.M.T.	9 h. G.M.T.		1920.							
												9 TH + 10 TH OCTOBER.							
24 HOURS ENDED 9 TH G.M.T. 9 TH OCT.												YESTERDAY.		TO-DAY.					
Greenwich (Royal Observatory)	o.c.o	c	b/bc of	71	57	53	0.3	5.5	64	98	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.				
City (Bunhill Row) ...	.	.	.	.	.	.	.	4.0	.	.					
Westminster (St. James's Park)	.	.	.	73	59	54	-	?	67	95									
Camden Sq. (British Rainfall)	oc.bc	b	.	72	58	53	0.3	.	67	97	Total 497 Joules.	Yarmouth...	6.9 6.11	11.40 11.40	5.8 5.9				
Kensington Palace ...	o.b	b.bc	.	72	57	52	0.2	.	82 (18h)	99	Milliwatts.	Greenwich	6.15 6.17	11.47 11.47	5.7 5.7				
Hampstead Observatory ...	.	.	.	69	57	54	0.3	4.3	.	79	Average Rate. 12.4	Wick	6.37 6.39	11.59 11.59	6.1 6.1	
											Maximum Rate. 40	Valencia ...	6.56 6.58	12.28 12.28	6.2 6.2				

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

Exposure from 9.19 h. 30 m.
to 9.55 h. 0 m.

Stars.	Duration of Exposure.		Duration of Record.		%
Polaris	h.	m.	h.	m.	
8 Ursae	10	30	1	4	10
Minoris	10	30	1	2	10

NOTES ON THE WEATHER OF YESTERDAY.

Temperature continued high over England, rising to 70° or a little higher at various stations over a wide area. The minimum readings of the night were generally high for the time of year, although much mist and fog was reported. Scarcely any rain was experienced and the duration of bright sunshine was high except in the South and South West of England and locally elsewhere - mainly owing to the prevalence of mist or fog.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21507

Sunday, 10th October 1920.

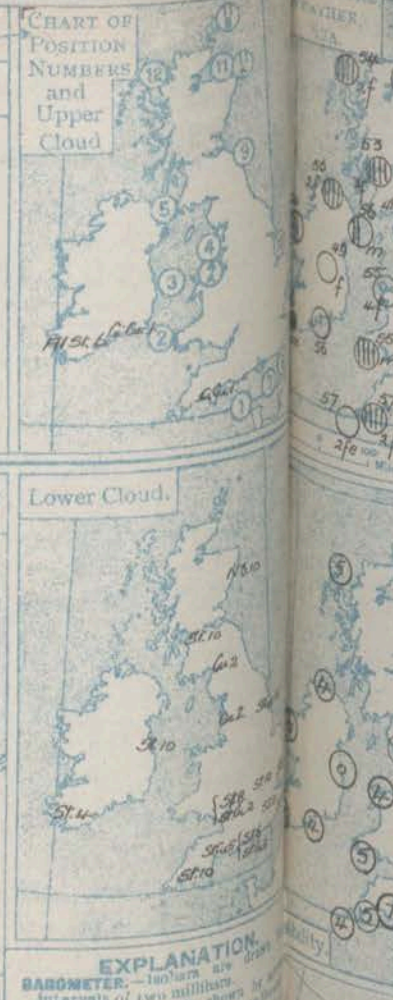
OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.

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.			
12H. G.M.T. OF 9 th												12H. G.M.T. OF 9 th													
Renfrew ...	1022.2	-3	0	b3f	58	85	3	-	-	-	-	1021.3	H	-	0	03f	57	85	2	3000	St. Cu	8	-	-	2
Eskdalemuir ...	1021.0	-1	SE	3	62f	67	65	5	3000	Cu	2	1020.9	H	-	0	bm	56	85	3	-	-	-	-	-	2
Valencia (Cahire'n)	1017.0	-1	S	3	C	61	85	7	2000	Cu	2	1017.6	0	E	3	bc	57	75	8	2000	Cu	1	Cl. Cu	3	2
Baldonnell ...	1019.1	-1	SE	2	C2f	63	85	5	2000	St. Cu	8	1019.6	H	-	0	b3f	57	92	5	2000	Cu	1	Cl. Cu	2	2
Didsbury ...	1020.9	-1	R	3	b3	65	75	4	-	-	-	1021.3	H	E	2	b3f	57	92	3	-	-	-	-	-	2
Ross on Wye ...	1019.8	-1	ENE	4	03f	59	97	3	4500	St	10	1019.8	0	ENE	3	03f	60	97	3	4500	St	10	-	-	2
Falmouth ...	1017.8	-1	ENE	1	Clf	61	85	6	-	-	-	1016.8	-2	NNW	3	b3f	57	97	3	-	-	-	-	-	2
Calshot (Hants) ...	1017.8	-3	ENE	3	b2f	68	75	4	-	-	-	1017.7	H	ENE	3	b	65	85	6	-	-	-	-	-	2
Lymington (Folkestone)	1018.9	-1	NE	5	b1f	66	75	6	-	-	-	1019.1	-1	NE	5	b9f	58	92	4	-	-	-	-	-	2
Aberdeen ...	1022.7	0	S	2	02f	54	92	2	4500	St	10	1023.4	H	S	2	03f	53	92	2	4500	St	10	-	-	2
Howden ...	1022.3	-3	SE	1	3fe	57	97	4	-	-	-	1023.5	H	E	2	03f	55	97	2	4500	St	10	-	-	2
Cranwell (Lincoln)	1022.3	-1	ENE	3	4fe	57	97	2	4500	St	10	1022.5	H	ENE	3	03f	55	97	1	4500	St	10	-	-	2
Felixstowe ...	1021.2	-1	ENE	4	b1f	63	85	5	-	-	-	1021.3	H	NE	3	b2f	58	92	4	2000	St	1	-	-	3
Shoeburyness ...	1020.4	-1	ENE	3	b2fe	65	75	5	-	-	-	1020.4	0	NNW	3	b2fe	58	92	5	-	-	-	-	-	2
Benson ...	1018.0	-2	E	3	b	71	65	4	-	-	-	1018.8	H	-	0	b	61	85	6	-	-	-	-	-	2
S. Farnborough ...	1018.9	-2	NNW	3	b2f	68	75	4	-	-	-	1019.2	H	ENE	3	bm	61	85	5	4200	St. Cu	1	-	-	2
London (Kew Obs.)	1019.2	-4	ENE	4	b3	69	65	5	-	-	-	1020.1	H	ENE	3	b3	62	75	5	-	-	-	-	-	2
Croydon ...	1019.4	-1	NE	4	b4	70	65	6	-	-	-	1019.9	H	ENE	4	b2f	58	85	4	-	-	-	-	-	2
7H. G.M.T. OF 10 th												7H. G.M.T. OF 10 th													
Renfrew ...	1023.8	0	N	2	b4f	51	97	2	-	-	-	1023.6	H	ENE	3	03f	53	97	3	4500	St	10	-	-	2
Eskdalemuir ...	1019.0	0	-	0	bc	54	97	0	-	-	-	1024.7	H	N	2	bm	48	97	5	1250	Cl	2	-	-	2
Valencia (Cahire'n)	1019.0	-1	-	0	03f	54	97	0	-	-	-	1018.0	-1	ENE	4	03f	56	97	7	4200	St	4	As	6	3
Baldonnell ...	1020.0	-1	-	0	03f	54	97	0	-	-	-	1020.0	0	-	0	03f	52	97	0	4500	St	10	-	-	2
Didsbury ...	-	-	-	-	-	-	-	-	-	-	-	1022.3	H	ENE	4	bm	52	92	6	3000	Cu	2	-	-	2
Ross on Wye ...	-	-	-	-	-	-	-	-	-	-	-	1020.4	0	NE	4	0	53	92	6	2000	St	10	-	-	2
Falmouth ...	-	-	-	-	-	-	-	-	-	-	-	1016.8	0	NE	3	02f	57	85	5	-	-	-	-	-	2
Calshot (Hants) ...	1016.7	-1	ENE	4	b	58	92	7	-	-	-	1016.1	-1	ENE	3	02f	57	92	5	2000	St	9	-	-	2
Lymington (Folkestone)	1018.4	1	ENE	3	b	57	92	8	-	-	-	1018.6	0	ENE	5	omq	55	92	4	4500	St	10	-	-	2
Aberdeen ...	1019.7	0	NE	4	bm 2f	55	92	4	-	-	-	1025.5	H	SE	3	03f	52	92	2	4500	Nb	10	-	-	2
Howden ...	-	-	-	-	-	-	-	-	-	-	-	1023.9	0	-	0	04f	52	97	6	3000	St. Cu	10	-	-	2
Cranwell (Lincoln)	1023.0	0	ENE	2	b	52	97	6	-	-	-	1022.8	0	NNW	3	0	53	85	7	3500	St. Cu	10	-	-	2
Felixstowe ...	1024.0	-1	ENE	4	b4f	58	65	6	-	-	-	1020.3	0	ENE	5	0	56	85	6	1250	St. Cu	10	-	-	3
Shoeburyness ...	-	-	-	-	-	-	-	-	-	-	-	1019.5	0	NNW	5	0	56	85	6	3000	St	7	As	2	2
Benson ...	-	-	-	-	-	-	-	-	-	-	-	1019.8	0	NNW	2	0	54	92	6	-	-	-	-	-	2
S. Farnborough ...	-	-	-	-	-	-	-	-	-	-	-	1018.7	0	NE	3	01f	56	92	6	750	St	10	-	-	2
London (M.O. at Int.)	-	-	-	-	-	-	-	-	-	-	-	1019.6	+1	NE	3	0	57	85	5	750	St	10	-	-	2
Croydon ...	1019.8	-1	-	-	-	-	-	-	-	-	-	1019.6	0	NE	5	01f	56	92	6	1250	St	10	-	-	2

STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

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.	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 9 th					7H. G.M.T. of 10 th					24 HOURS ENDED 7H. 10 th										
Lerwick	1022.6	50	S	2	f	1024.5	+2	51	-1	S	2	-	fd	1	0.1	52	48	cm	cm	f.	4
Stornoway	1019.6	58	S	1	og	1022.4	+2	54	+2	-	0	-	om	0	-	62	52	bc. b3	om	o. om	6.8
Castlebay (Barra Is.)	1019.8	56	SE	4	of	1021.7	0	57	+3	SE	4	-	of	4	trace	58	54	bc. b3	c. of	of	5.1
Malin Head	1017.6	61	SSW	2	og	1019.8	0	56	+4	SSW	2	-	om	2	-	63	51	bc3	og	om	5.3
Blackhead Point	1018.5	59	SW	1	om	1018.7	+1	54	0	-	0	-	c	08	-	63	54	bc	o	bc	•
Roche's Point	1019.5	57	SE	1	o	1019.5	0	56	-2	NE	1	-	b	1	0.1	59	53	of	m. og	of. bm	•
Birr Castle	1018.6	54	SE	1	c	1019.8	•	49	?	-	0	-	f	•	-	63	43	fc	fc	f	1.6
Donaghadee	1019.7	55	NNW	1	of	1021.3	0	55	0	S	1	-	bcm	1	0.1	58	51	om. f	of	bcf	•
Liverpool (Bidston)	1020.7	58	SE	3	m	1022.2	0	51	-4	ESE	2	-	bm	1	-	60	50	cm	cm	o. cm	0.0
Holyhead	1019.5	58	N	2	bm	1020.0	+1	55	-1	E	4	-	bm	2	trace	70	53	cm. bm	bm	bm. bmw	6.3
Pembroke (St. Ann's Island)	1018.8	58	-	0	om	1019.0	?	55	-3	ENE	2	-	om	1	?	61	55	om	om	om. f. cm	0.5
Scilly (St. Mary's)	1017.5	57	NNW	2	o	1015.8	-1	57	+2	SE	4	-	f	4	0.1	61	56	f. c. om	om	cbef. fe	1.0
Jersey (St. Aubin)	1014.5	64	NE	2	b	1014.7	0	59	+1	ENE	5	-	bcm	3	-	68	57	cm	cm. b	bm. bc	8.1
Portland Bill	1016.7	67	ENE	5	bcm	1016.7	0	59	0	NE	5	-	c	4	-	68	55	o. cm	bcm	m. bc. c	•
Dungeness	1017.6	62	NE	4	b	1016.9	0	57	-3	ENE	5	-	c	5	-	66	57	bc	bc. b	b. bc	•
Wick	1020.8	65	S	2	bcm	1022.8	+2	52	+1	S	2	-	fe	2	-	57	49	b	bcm	cm. b. fe	•
Nairn	1020.1	55	-	0	o	1022.6	•	47	+6	-	0	-	me	0	0.1	60	40	bc	bcm. o	m. ge	7.2
Leith	1021.1	53	NE	2	f	1023.0	0	53	+4	NE	1	-	f	1	0.3	58	45	fe. mc	cm. c	fe. mc	•
Tynemouth	1023.2	54	SSE	2	fe	1024.9	0	52	+1	SSE	1	-	c2	2	0.4	54	51	fe	fe	fe. om	•
Spurn Head	1022.4	55	RSE	3	fw	1022.9	-1	55	-1	RSE	4	-	o	2	0.2	56	51	f	f	o. bc. o	•
Yarmouth (Gorleston)	1021.8	57	E	5	m	1021.0	0	55	-3	ENE	5	-	o	3	-	60	55	m. of	cm. omq	bomb. bc	3.0
Clacton-on-Sea	1020.4	59	NE	4	m	1019.6	0	56	-3	NE	4	-	og	3	-	64	56	bcm	bcm	cm. og	8.5
Nottingham	1022.2	57	E	2	ome	1022.5	•	53	-2	ENE	3	-	c	2	0.1	58	53	ome	ome	om. d	0.2

Temperature reported from Coastal and
Cross Channel Steamers.



Pressure remains high over the North Sea and weather will continue fair in most localities. On account of the North-Easterly wind current temperature is likely to be considerably lower than of late in the South.

EXPLANATION

BAROMETER.—Inches air pressure.
Intervals of two inches.

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 Fahrenheit.

WEATHER SYMBOLS.—

☉ sky & clear sky. ☾ sky & clear sky.
☁ sky & clouded. ☂ rain.
☁ overcast sky. ☂ rain.
❄ snow. ☂ rain.
☁ fog. ☂ rain.
⚡ thunder. ☂ rain.
SEA DISTURBANCE.— High rough.

Further Outlook.

Mainly
fair
for a
day or
two.

times are (

TELEGRAPHIC CO.

1. Good (g.)
2. Very Bad
3. Bad
4. Very Poor
5. Poor
6. Different
7. Fair
8. Very Good
9. Excellent

LOW 1006 1008 Scale - 1:10,000,000
Nautical Miles 0 100 200
Statute Miles 0 100 200



Add one hour to get Summer Time

ALPHABETIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).		Add one hour to	
Time Log	15	50 metres (or yards)	
Very Bad			
Bad			
Very Poor			
Poor		200	
Different		1,000	
Good		2,000	
Very Good		4,000	
Excellent		7,000	
		12,000	(4.3 miles)
		20,000	(7.5 "
		20,000	(12.4 "
		20,000	(12.4 "

Sunday
{ 10th October

Sunday
{ 10th October

Sunday
{ 10th October

Sunday
{ 10th October

Minoris at Greenwich Observatory.

	h.	m.	h.	m.	%
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LONDON

1920.

OUR REPORT



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21508. MONDAY, 11th OCTOBER, 1920.

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

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. Form.	Upper Cloud. Form.	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. Form.	Upper Cloud. Form.	Sea 0-9.	
			Force 0-12.	Dir.										Force 0-12.	Dir.								
			Weather.																				
12H. G.M.T. OF 10 th																							
Renfrew	1023.8	-1	ENE	3	58	75	4	-	-	-	1	1023.3	+1	ENE	4	52	85	5	2,000	Sc	5	Cl	2
Eskdalemuir	1023.4	-1	ENE	3	59	75	6	-	-	-	-	1023.8	0	NE	1	48	85	6	-	Sc	1	-	
Valencia (Cahire's)	1017.7	-1	-	0	62	75	7	3,000	Cl	1	2	1017.5	0	SSW	1	66	85	6	3,000	Cl	2	2	3
Baldonnel	1020.0	-1	ESE	2	60	92	3	750	St	8	-	1019.8	0	-	0	53	92	3	4500	St	10	-	
MANCHESTER (P.O.)	1021.6	-1	E	6	58	75	5	3,000	Cl	2	2	1021.0	-1	ENE	6	53	75	3	-	-	-	-	-
Ross on Wye	1014.8	-1	ENE	3	60	75	8	3,000	St	7	-	1019.1	0	NE	3	55	85	7	2,000	St	9	-	-
Falmouth	1017.4	0	SSE	5	58	85	3	-	Sc	10	-	1017.0	+1	ENE	3	58	85	4	-	Cl	3	Cl	1
Calshot (Hants.)	1017.5	-2	E	4	63	75	6	2,000	Cl	3	-	1016.0	+1	ENE	4	57	85	5	1,250	St	10	-	3
Lymington (Falkstone)	1018.7	-1	ENE	5	55	85	5	750	St	10	-	1018.4	0	ENE	3	53	92	4	4500	St	3	-	-
Aberdeen	1023.8	0	SSE	2	58	75	6	-	-	-	1	1023.7	0	SSE	2	52	85	6	1,250	St	8	-	2
Howden	1023.1	-2	NE	4	56	85	7	3,000	St	10	-	1022.8	+1	ENE	3	52	85	7	1,250	St	10	-	-
Cranwell (Lincs.)	1022.2	-1	ENE	4	57	75	7	3,000	St	9	-	1021.8	0	ENE	3	53	85	6	2,000	St	10	-	-
Felixstowe	1020.4	-1	ENE	4	57	75	6	3,000	St	7	-	1019.9	0	ENE	4	58	85	6	3,000	St	10	-	4
Shoeburyness	1019.7	0	NE	4	57	85	5	2,000	St	10	-	1018.0	-1	NE	1	55	85	4	-	2	-	-	-
Benson	1019.0	-1	NE	3	60	65	7	-	Cl	3	-	1018.7	0	NE	1	55	85	6	-	9	-	-	-
S. Farnborough	1018.4	-2	NE	4	54	75	5	4,200	Cl	7	-	1018.5	0	ENE	2	54	85	3	3,000	Cl	9	-	-
London (Kew Obs.)	1018.4	-2	NE	4	60	65	3	4,200	St	10	-	1018.7	0	NE	3	57	75	4	3,000	St	6	2	-
Croydon	1019.2	-1	ENE	5	57	85	6	2,000	St	10	-	1019.2	+1	NE	4	54	85	5	2,000	St	8	-	-
7H. G.M.T. OF 11 th																							
Renfrew	1024.2	0	NE	2	47	92	6	-	St	9	-	1023.4	0	-	0	40	97	7	750	St	10	-	4
Eskdalemuir	1023.0	-2	SSE	2	52	-	-	-	-	-	-	1023.0	0	ENE	2	50	85	5	2,000	St	9	-	-
Valencia (Cahire's)	1019.9	-1	SSW	1	49	97	0	7500	St	7	-	1019.6	0	-	0	49	75	3	4500	St	6	2	3
Baldonnel	1019.4	-1	SSW	1	49	97	0	7500	St	7	-	1019.6	0	-	0	49	75	3	4500	St	6	2	-
MANCHESTER (P.O.)	1021.6	-1	E	6	58	75	5	3,000	Cl	2	2	1021.0	-1	ENE	6	53	75	3	-	-	-	-	-
Ross on Wye	1014.8	-1	ENE	3	60	75	8	3,000	St	7	-	1019.1	0	NE	3	55	85	7	2,000	St	9	-	-
Falmouth	1017.4	0	SSE	5	58	85	3	-	Sc	10	-	1017.0	+1	ENE	3	58	85	4	-	Cl	3	Cl	1
Calshot (Hants.)	1017.5	-2	E	4	63	75	6	2,000	Cl	3	-	1016.0	+1	ENE	4	57	85	5	1,250	St	10	-	-
Lymington (Falkstone)	1018.7	-1	ENE	5	55	85	5	750	St	10	-	1018.4	0	ENE	3	53	92	4	4500	St	3	-	-
Aberdeen	1023.8	0	SSE	2	58	75	6	-	-	-	1	1023.7	0	SSE	2	52	85	6	1,250	St	8	-	-
Howden	1023.1	-2	NE	4	56	85	7	3,000	St	10	-	1022.8	+1	ENE	3	52	85	7	1,250	St	10	-	-
Cranwell (Lincs.)	1022.2	-1	ENE	4	57	75	7	3,000	St	9	-	1021.8	0	ENE	3	53	85	6	2,000	St	10	-	-
Felixstowe	1020.4	-1	ENE	4	57	75	6	3,000	St	7	-	1019.9	0	ENE	4	58	85	6	3,000	St	10	-	-
Shoeburyness	1019.7	0	NE	4	57	85	5	2,000	St	10	-	1018.0	-1	NE	1	55	85	4	-	2	-	-	-
Benson	1019.0	-1	NE	3	60	65	7	-	Cl	3	-	1018.7	0	NE	1	55	85	6	-	9	-	-	-
S. Farnborough	1018.4	-2	NE	4	54	75	5	4,200	Cl	7	-	1018.5	0	ENE	2	54	85	3	3,000	Cl	9	-	-
London (Kew Obs.)	1018.4	-2	NE	4	60	65	3	4,200	St	10	-	1018.7	0	NE	3	57	75	4	3,000	St	6	2	-
Croydon	1019.2	-1	ENE	5	57	85	6	2,000	St	10	-	1019.2	+1	NE	4	54	85	5	2,000	St	8	-	-
24 HOURS ENDED 7H. 11 th																							
10 th																							
Renfrew	1026.3	51	S	3	0	1025.5	-1	51	0	S	3	S	om	2	Trace	52	47	fe	fe	a.om	8	-	-
Stornoway	1022.9	57	-	0	0	1021.1	0	45	-9	-	0	-	of	0	Trace	61	45	c.o.m	c.o.c	abc. b.f.	3.8	-	-
Castlebay (Barra)	1022.3	57	-	0	b.f.	1021.4	0	52	-5	SE	4	-	b	4	-	60	52	c.o.f.	c.b.f.	b.f. b.	3.1	-	-
Main Head	1014.5	57	SE	2	b.m	1019.3	0	50	-6	SE	2	SE	cm	1	-	59	49	b.c.m	b.m	om	4.5	-	-
Blackod Point	1018.1	58	NE	1	b.c	1018.2	-2	52	-2	SE	2	-	b.c.m	2	-	63	52	b.c	b.c	c.b.c.m	-	-	-
Roche's Point	1014.2	53	ESE	2	b	1016.6	-1	56	0	ESE	3	-	0	3	Trace	62	50	b.f.c.	c.f. b.	b.o.z	-	-	-
Birr Castle	1018.8	55	NE	1	b	1017.6	-	45	-4	NE	1	-	0	-	-	59	45	of	c.o.f.	0	1.2	-	-
Donaghadee	1020.5	56	E	3	b.m	1020.3	0	54	-1	SE	3	-	om	2	-	60	53	b.c.m	b.m	b.c.m.g.	-	-	-
Liverpool (Bishop)	1020.3	54	E	3	m	1020.4	0	54	+3	E	3	-	0	3	-	60	51	b.m.	b.m	b.c. o.	8.1	-	-
Holyhead	1018.7	57	ENE	6	b.m	1019.1	0	52	-3	ENE	5	-	ogm	3	Trace	61	48	b.m	b.m	b.m.b.c.m	9.3	-	-
Pembroke (St. Ann's)	1018.5	56	ESE	2	b.m	1017.5	-1	55	0	ENE	2	-	om	2	-	60	51	c.b.m	b.m	om.b.m	9.3	-	-
Seilly (St. Mary's)	1016.6	56	ENE	1	b.c.m	1016.2	-1	56	-1	ESE	3	-	om	3	-	59	55	fe. om	o.b.c.m	b.c.m.b.c.m	0.4	-	-
Jersey (St. Aubin)	1014.7	54	ENE	4	o.m	1016.3	0	56	-3	E	2	-	b.m	2	-	64	56	b.c.	b.c. om	o.b.c.m	7.8	-	-
Portland Bill	1016.3	54	E	6	0	1016.3	0	57	-2	ENE	4	E	2	4	-	63	55	c.	c. o	o.b.c.m	-	-	-
Dungeness	1017.5	59	ENE	4	b	1017.6	0	55	-2	E	3	E	b.c	3	-	65	54	c.	b	b.c. o.b.c.	-	-	-
Wick	1023.5	54	S	3	b.m	1022.2	+1	52	0	3	4	-	b.c.m.g.	3	-	55	51	fe. b.m	b.m.	b.m.b.c.m.g.	-	-	-
Nairn	1022.4	51	-	0	m	1022.3	-	41	-6	-	0	-	m	0	0.3	55	40	cm	m.b.c.m.	me	2.2	-	-
Leith	1022.8	53	E	2	b.c	1022.8	0	52	-1	ESE	2	-	0	1	-	58	51	sec. b.c	b	b.c. o.	-	-	-
Tynemouth	1024.0	53	SE	2	03	1023.6	0	53	+1	SE	3	-	02	3	-	55	51	b.c.3	0.	02.	-	-	-
Spurn Head	1022.4	54	SE	4	0	1021.9	-1	56	+1	ESE	4	-	og	3	-	56	52	0.	0	og.	-	-	-
Varmouth	1020.4	57	ESE	4	0	1020.6	0	56	+1	SE	4	-	b.c.m.g.	3	-	57	54	om. om	o.g.	b.c. o.g.m	0.9	-	-
Clacton-on-Sea	1018.7	58	NE	3	c	1019.5	0	57	+1	E	4	-	cm	3	-	60	55	og. cm	c.m.	c.b.c. cm	1.8	-	-
Nottingham	1021.6	53	NE	3	0	1021.3	-	53	0	E	2	E	0	4	-	58	53	c. o	c. o	0	1.2	-	-

Information for

clouds not usually recorded

The barometric change is expressed in half millibars.

For code see page 2

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 11.10.1920.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers					CHART OF POSITION NUMBERS and Upper Cloud
				Position Number	Date	Time G.M.T.	Sea ° F	Air ° F	
1. S.E. England	Dull, misty.	V. Poor	Slight.						
2. E. England	Fair to dull, misty.	Indiff.	"	6	10 th	4.15	60	58	
3. E. Midlands	Dull.	"	-						
4. W. Midlands	Dull, misty.	"	-						
5. S.W. England	Dull, misty.	"	Slight.						
6. South Wales	Dull, misty.	"	Smooth.						
7. North Wales	Dull, misty.	"	Slight.						
8. N.W. England	Dull, local mist or fog.	V. Poor	"						
9. N. Midlands	Dull.	Fair	-						
10. N.E. England	Dull, slight coastal mist.	"	Slight.						
11. E. Scotland	Dull, slight local mist.	"	Smooth.						
12. S.W. Scotland	Dull, local mist or fog.	Var.	"						
13. Isle of Man	Dull, misty.	Indiff.	Slight.						
14. N. & N.W. Scotland	Fair to dull, local mist.	"	"						
15. Hebrides	Variable sky, fog in North.	Var.	Var.						
16. Orkneys and Shetlands	Dull, local mist.	Indiff.	Smooth.						
17. N.W. Ireland	Fair to dull, misty.	Fair	"						
18. N.E. Ireland	Dull, misty.	Indiff.	"						
19. S.E. Ireland	Dull.	"	"						
20. S.W. Ireland	Dull, local haze.	Fair	Slight.						

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

Under the influence of an anticyclone over Scandinavia the weather will be fair to misty for a day or two in most districts, but on our S.W. coasts there is some risk of rain before long.

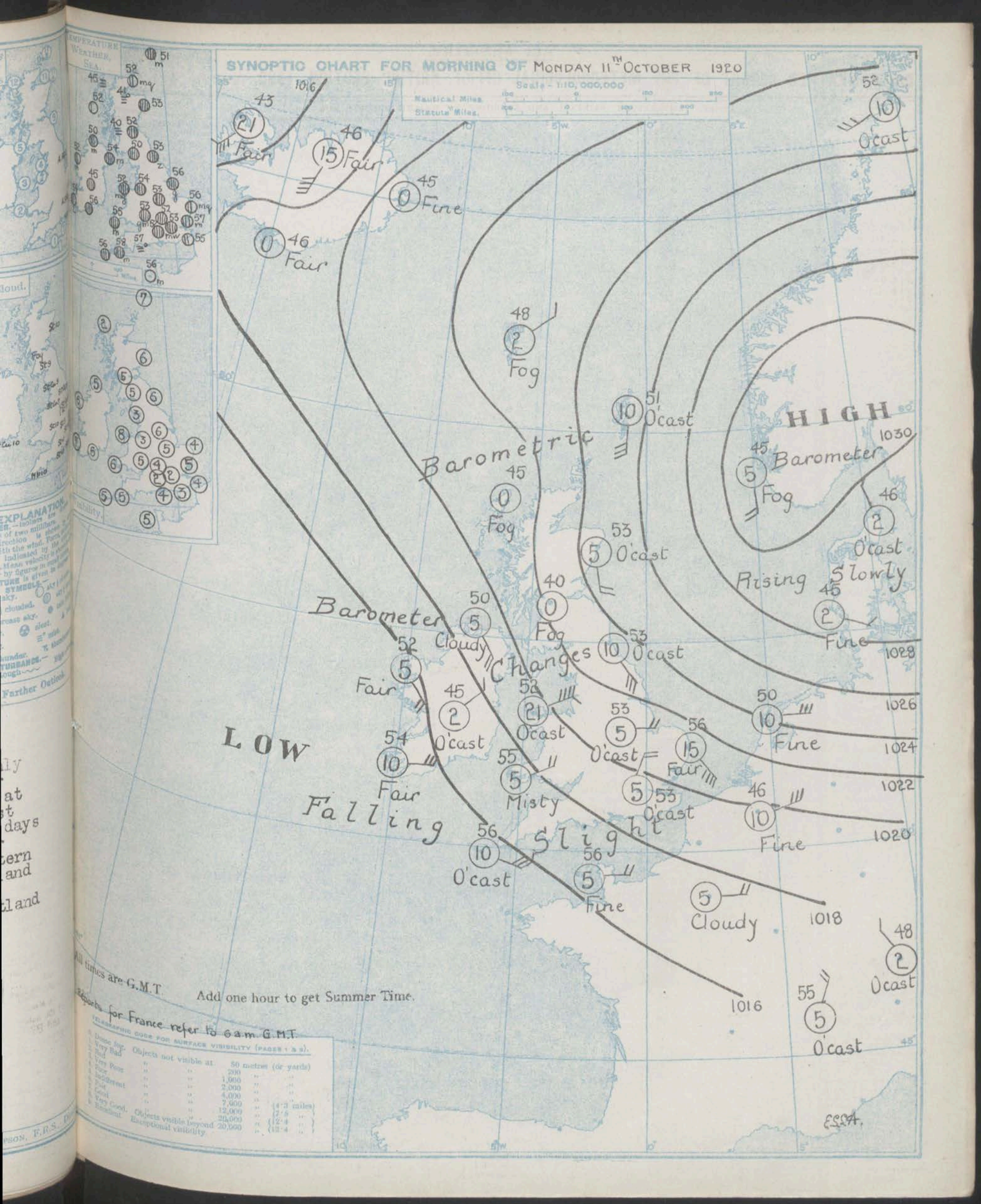
Districts. Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 11th October, 1920.

1. S.E. England	Wind E. or S.E., moderate to fresh; much low cloud at times, with finer intervals, misty; little change of temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind E. or S.E., moderate to fresh; much low cloud at times, with finer intervals, but some risk of rain before long, misty; little change of 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	
12. S.W. Scotland	
13. Isle of Man	Wind S. or S.E., moderate; mainly fair, misty; moderate temperature.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Same as 1 - 4.
18. N.E. Ireland	
19. S.E. Ireland	Same as 5 - 6.
20. S.W. Ireland	

Mainly fair for at least two days over Eastern England and Scotland

EXPLANATION
 BAROMETER. — Isobars are intervals of two millibars.
 WIND. — Direction is shown by the arrow. Force, flying with the wind, from 0-12, is indicated by the number of feathers. Mean velocity in miles per hour by figures in the center.
 TEMPERATURE. — Indicated by the number in the center.
 WEATHER SYMBOLS. —
 ☉ clear sky.
 ☁ sky & cloud.
 ☁ overcast sky.
 * snow.
 ☼ short.
 ☼ mist.
 ☼ fog.
 ☼ thunder.
 SEA DISTURBANCE. —
 Rough.
 Further Outlook.

A number line with points labeled A, B, C, and D. Point A is at 0, B is at 1, C is at 2, and D is at 3.



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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 285.

MONDAY.

11th OCTOBER

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-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 (I.O.M.)								
Banff ...	c.c.b.c.b	b	61	52	-	-	6.9	7.7	Blackpool ...	b.c.b	b	61	49	-	-	9.0	2.0
Montrose ...									Southport ...	b	b	61	46	-	-	8.7	2.0
St. Andrews ...									MORECAMBE ...								
England, N.E.									Midlands.								
Harrogate ...	c.b.c.c	c.c	54	49	0.4	-	0.7	0.0	Buxton ...	c.b.c	b	59	53	-	-	3.2	?
Scarborough ...									Leamington Spa ...								
Skegness ...									Malvern ...								
Lowestoft ...									Bath ...	o.	b	60	54	-	-	3.2	0.5
Felixstowe ...	cm	cm	58	55	-	-	1.7	8.6	Rhyl ...	bc	bc	62	53	-	-	8.3	?
Southend-on-Sea ...	o	o.c	58	54	-	-	1.1	7.6	Colwyn Bay ...			61	49	-	-	8.5	?
England, E.									Wales.								
Tunbridge Wells	o.	c	59	54	-	-	0.7	6.2	Llandudno ...	*	*	62	51	-	-	4.2	5.6
Margate ...	o.	c	59	54	-	-	1.2	8.8	Aberystwyth ...								
Ramsgate ...	*	*	58	53	-	-	3.1	9.0	Tenby ...								
Folkestone ...	o.	c	57	54	-	-	2.1	8.1	Swansea ...								
Hastings ...	c.o	o.b.c.b	59	55	-	-	3.6	8.5	Weymouth ...	o.c	c.o.g	64	54	-	-	3.4	5.2
Eastbourne ...	o.c	o.c.o	59	56	-	-	3.1	8.3	Teignmouth ...								
Brighton ...	c.b.c.b	c.o	62	56	-	-	6.1	?	Torquay ...	o	o.c.b.c.b	62	55	-	-	2.9	6.5
Worthing ...	b.c	b.c.c	62	56	-	-	5.9	8.5	Paignton ...								
Littlehampton ...	*	*	65	56	-	-	5.4	8.0	Penzance ...	o.g	o.g.b	60	56	-	-	1.9	?
Portsmouth (S. base)	*	*	63	58	-	-	4.6	5.5	Newquay ...	b.c.c	b.o.m	62	52	-	-	5.7	5.5
Bournemouth ...	*	*	70	56	-	-	4.5	8.8	Bude ...	o.b.c.b	b	61	53	-	-	9.1	?
Ventnor (I. of W.)	*	*							Ilfracombe ...	b.c.b	b	59	56	-	-	8.8	7.2
									Weston-s-Mare ...	o.c.b.c	b.b.c	60	55	-	-	4.0	?

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMP.		RAINFALL.		SUN.	
	7h-13h/10 th	13h-18h/11 th	Max. Temp. °F.	Min. Temp. °F.	Day, 7h-18h.	Night, 18h-7h.	Hours.	Hours.
Renfrew ...	b.c.b.c.b	b.c.b.c.b	53	39	3.0	-	5.4	
Eskdalemuir ...	b.c.b.c.b	b.c.b.c.b	50	43	4.3	-	8.9	
Valencia (Cahirey) ...	b.c.b.c.b	b.c.b.c.b	50	44	4.4	-	2.2	
Baldonnel ...	b.c.b.c.b	b.c.b.c.b	53	43	4.1	0.1	3.5	
MANCHESTER (MARK) ...	b.c.b.c.b	b.c.b.c.b	59	47	3.6	-	6.1	
Ross on Wye ...	b.c.b.c.b	b.c.b.c.b	50	53	5.2	-	2.5	
Falmouth ...	b.c.b.c.b	b.c.b.c.b	62	53	5.4	-	6.0	
Calshot (Hants) ...	b.c.b.c.b	b.c.b.c.b	63	52	8	-	3.8	
Lymington (Folkestone) ...	b.c.b.c.b	b.c.b.c.b	55	49	4.4	-	3.6	
Aberdeen ...	b.c.b.c.b	b.c.b.c.b	58	51	5.1	-	0.4	
Howden ...	b.c.b.c.b	b.c.b.c.b	58	52	5.2	-	0.2	
Cranwell (Lincoln) ...	b.c.b.c.b	b.c.b.c.b	58	53	5.1	-	1.3	
Felixstowe ...	b.c.b.c.b	b.c.b.c.b	59	54	5	-	1.4	
Shoeburyness ...	b.c.b.c.b	b.c.b.c.b	58	54	4.8	-	1.0	
Benson ...	b.c.b.c.b	b.c.b.c.b	61	52	4.5	-	1.0	
S. Farnborough ...	b.c.b.c.b	b.c.b.c.b	61	50	4.3	-	1.0	
London (Kew Obs.) ...	b.c.b.c.b	b.c.b.c.b	60	51	4.3	-	1.0	
Croydon ...	b.c.b.c.b	b.c.b.c.b	59	50	4	-	1.0	

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.

Limits of Velocity at about 30 feet above ground.		
No.	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.5
1	1-3	0.5-1.5
2	4-7	1.6-2.5
3	8-12	2.4-3.4
4	13-18	3.6-4.9
5	19-24	5.2-6.7
6	25-31	6.9-8.6
7	32-38	8.9-10.7
8	39-46	10.8-12.8
9	47-54	13.0-14.9
10	55-63	15.2-17.4
11	64-75	17.7-20.9
12	Above 75	21.0 or above

SYMBOLS.

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

LONDON OBSERVATIONS.

	24 HOURS ENDED 9M G.M.T. 11 TH						RAIN.	TEMP.		HUMIDITY.	WIND.
	YESTERDAY.		TODAY.								
Greenwich (Royal Observatory)	0	0	2.4	60	50	43	-	1.0	74	89	
City (Bunhill Row) ...	*	*	*	*	*	*	*	2.1	*	*	
Westminster (St. James's Park)	*	*	5	61	53	45	-	1.2	73	81	
Camden Sq. (British Rainfall)	-	-	*	63	50	47	-	*	92	87	
Kensington Palace ...	0.6	0.2	*	61	50	43	-	*	81 (18h)	90	
Hampstead Observatory ...	*	*	*	59	51	47	-	3.2	*	92	

SOUTH KENSINGTON (Meteorological Office).

	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	
	Total	Milliwatts.
	26.9	6.8
Average Rate.	6.8	
Maximum Rate.	41	

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

11 th 12 th 13 th OCTOBER 1920.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.13	11.40	5.0
Greenwich ...	6.15	11.40	5.0
Wick ...	6.41	11.59	5.14
Valencia ...	7.0	12.28	5.53

Photographic Record of

Pole Star (Polaris) and of 3 Ursae

Minoris at Greenwich Observatory.

Exposure from 18.....h.15...m.
to.....h.15...m.

Start.	Duration of Exposure.	Duration of Record.	%
Polaris	h. m.	h. m.	%
3 Ursae	h. m.	h. m.	%
Minoris	h. m.	h. m.	%

NOTES ON THE WEATHER OF YESTERDAY.

Maximum temperatures averaged about 60°, and in many cases the minimum was above 50°. At Eskdale, however, there was a slight ground frost. There was no appreciable rain-fall in any part of the country, but sunshine records were as a rule poor except in Wales and N.W. England. Mist or fog was widespread, especially at night.

LONDON:

1920.

HOURS ENDED 7H.

TEMPERATURE.

Max. Min.

°F. °F.

°C. °C.

°F. °F.

°C. °C.

°F. °F.

°C. °C.

°F. °F.

°C. °C.

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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. B.71,509. TUESDAY, 12TH OCTOBER, 1920.

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

STATIONS.	BAROM.	Change in 3 hours.	WIND.		Weather	TEMP.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	BAROM.	Change in 3 hours.	WIND.		Weather	TEMP.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea			
	at M.S.L. mb.		Force 0-12.	°F.		Form.				Am't. 0-10.	Form.	Am't. 0-10.	0-9.		at M.S.L. mb.		Force 0-12.	°F.		Form.				Am't. 0-10.	Form.	Am't. 0-10.	0-9.				
	13H. G.M.T. OF 11 TH																18H. G.M.T. OF 11 TH														
Renfrew ...	1021.4	-2	NE	3	02f	56	85	4	2000	Scn	9	-	-	*	1020.5	0	ENE	4	02f	55	75	4	2000	Scn	10	-	-	*			
Eskailemuir ...	1021.9	-1	E	3	02f	54	75	5	3000	Sc	9	-	-	*	1020.9	-1	ENE	2	02f	52	85	5	2000	Sc	10	-	-	*			
Valencia (Cahire's) ...	1012.0	-3	ESE	4	02f	58	75	6	3000	Scn	6	ASr	2	3	1008.9	-2	ESE	4	CZ	60	75	6	3000	Scn	6	Ci Cu	2	3			
Baldonnel ...	1017.1	-2	ESE	3	02f	56	92	4	750	Sc	10	-	-	*	1016.7	-1	ESE	2	02f	55	92	5	750	Sc	10	-	-	*			
Didsbury ...	1020.4	-1	ESE	4	02f	57	75	4	2000	Scn	10	-	-	*	1019.1	-1	E	3	b3f	52	85	3	-	-	-	-	*				
Ross on Wye ...	1018.6	-1	ENE	3	01f	57	85	6	1250	Sc	10	-	-	*	1017.4	-2	E	2	bcnw	54	92	4	1250	Sc	4	ASr	1	*			
Falmouth ...	1015.0	-1	ESE	3	02f	61	92	5	-	Sc	10	-	-	*	1014.2	-1	ESE	4	02f	58	92	4	-	Scn	9	-	-	*			
Calshot (Hants) ...	1018.0	-2	ESE	3	02f	60	85	5	3000	Cu	10	-	-	2	1017.0	0	E	2	b	57	92	4	-	-	-	-	*				
Lympe (Folkestone) ...	1018.8	+1	E	4	b1f	62	75	6	-	-	-	-	-	*	1018.1	-1	ENE	4	b3fw	54	92	3	-	-	-	-	-	*			
Aberdeen ...	1024.2	-1	ESE	3	01f	55	85	6	1250	Sc	10	-	-	3	1023.0	-1	SSE	3	02f	54	92	5	2000	Sc	10	-	-	3			
Howden ...	1021.9	-1	SE	3	02f	57	85	6	1250	Sc	8	ASr	3	*	1021.2	0	E	3	02f	53	92	4	1250	Sc	9	ASr	1	*			
Cranwell (Lines) ...	1021.2	-1	E	3	c	58	75	5	1250	Sc	7	-	-	2	1020.3	+1	ENE	3	b3f	53	97	4	2000	Cu	1	-	-	3			
Felixstowe ...	1020.6	-1	E	3	b2f	61	75	5	-	-	-	-	-	*	1019.7	-1	E	4	b2f	58	85	5	-	-	-	-	-	*			
Shoeburyness ...	1019.7	0	NE	3	b3f	60	75	4	-	Cu	7	-	-	*	1018.5	-2	ENE	2	b3f	55	92	4	-	-	-	-	-	*			
Benson ...	1018.0	-1	ENE	3	c	62	75	4	-	-	-	-	-	*	1017.1	-1	E	3	b	55	85	4	-	-	-	-	-	*			
S. Farnborough ...	1018.3	-1	ENE	4	bc2f	64	65	5	5000	Cu	4	ASr	2	*	1017.4	-1	ENE	4	b3f	56	85	4	1250	Sc	1	-	-	*			
London (Kew Obs.) ...	1018.7	-3	ENE	3	bc2f	63	65	4	4200	Cu	4	-	-	*	1018.0	0	ENE	3	b2f	57	85	5	-	-	-	-	-	*			
Croydon ...	1019.2	+2	E	2	bc2f	64	65	5	4200	Cu	6	-	-	*	1018.8	0	ENE	3	bc3f	53	92	4	-	-	-	-	-	*			
1H. G.M.T. OF 12 TH												7H. G.M.T. OF 12 TH																			
Renfrew ...	1021.4	0	NE	1	b	45	92	7	-	-	-	-	-	*	1019.8	0	ENE	3	bc3f	47	97	3	2,000	Sc	4	-	-	*			
Eskailemuir ...	1021.9	-1	E	3	02f	54	75	5	3000	Sc	9	-	-	*	1020.4	0	NNE	3	b1f	45	92	5	2,000	Sc	1	-	-	*			
Valencia (Cahire's) ...	1007.5	-3	SSE	6	bc	58	-	-	-	-	-	-	-	6	1007.7	+2	SSE	4	bc	58	75	8	2,000	Sc	3	ASr	2	4			
Baldonnel ...	1016.4	0	E	2	02f	55	92	4	1,250	Sc	10	-	-	*	1015.2	-1	E	2	02f	55	85	5	750	Sc	10	-	-	*			
Didsbury ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	1018.6	0	E	3	c3f	48	92	3	2,000	Sc	7	-	-	*			
Ross on Wye ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	1017.4	0	NE	1	og3f	48	97	2	<500	Sc	10	-	-	*			
Falmouth ...	1013.8	0	SE	3	0	58	97	6	-	-	-	-	-	*	1013.5	0	SSE	4	odm	57	97	4	-	Nb	10	-	-	*			
Calshot (Hants) ...	1016.9	-1	ENE	1	02f	53	97	4	-	-	-	-	-	2	1017.2	0	ENE	2	b3f	50	97	4	-	-	-	-	2				
Lympe (Folkestone) ...	1018.0	0	ESE	4	bw	51	97	7	-	-	-	-	-	*	1018.3	+1	E	2	b2f	48	97	5	-	-	-	-	-	*			
Aberdeen ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	1022.2	0	SSE	1	c3f	53	92	4	1,250	Sc	8	-	-	2			
Howden ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	1020.1	0	-	0	b3f	48	97	4	-	-	-	-	-	*			
Cranwell (Lines) ...	1020.3	-1	-	0	42f	42	97	1	<500	Sc	6	-	-	*	1019.7	-1	ENE	2	b3f	46	97	2	-	-	-	-	-	*			
Felixstowe ...	1020.8	0	NE	1	53f	43	97	1	-	-	-	-	-	*	1019.1	0	SE	4	b	56	85	6	-	-	-	-	-	1			
Shoeburyness ...	1019.4	0	E	4	if	57	75	6	-	-	-	-	-	2	1018.3	0	ESE	2	b3f	53	92	5	-	-	-	-	-	*			
Benson ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	1017.0	0	-	0	02f	46	97	2	-	Sc	10	-	-	*			
S. Farnborough ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	1017.6	-1	E	2	02f	42	97	1	750	Sc	10	-	-	*			
London (M.O. at 1h) ...	1018.0	0	-	-	-	50	-	-	-	-	-	-	-	*	1018.0	0	-	0	02f	44	97	0	<500	Sc	10	-	-	*			
Croydon ...	1018.5	0	-	0	bw3f	44	97	4	-	-	-	-	-	*	1018.9	0	-	0	b3f	39	97	1	-	-	-	-	-	*			
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																															
STATIONS.	BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.										
	at M.S.L. mb.		°F.	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.									
	12H. G.M.T. OF 11 TH																7H. G.M.T. OF 12 TH														
Lerwick ...	1024.1	53	S	3	om	1022.8	-3	52	+1	S	3	W	C	2	-	53	50	om	om	om. c.	*										
Stornoway ...	1020.9	53	E	1	02	1020.2	0	50	+5	ENE	1	-	02	0	-	59	44	bcf b	bc	om. b. 02.	3.8										
Castlebay (Barrals) ...	1019.7	55	SE	4	0	1018.8	0	54	+2	E	3	-	0	3	-	56	52	bcn	bcn	0	7.5										
Malin Head ...	1017.7	53	ESE	3	om	1016.9	0	54	+4	SE	2	SE	om	2	-	54	50	om	om	om	0.1										
Blackod Point ...	1013.1	57	ESE	3	cm	1011.8	-3	57	+5	SE	2	-	bcn	3	-	60	52	bcn	bc	om	*										
Roche's Point ...	1012.9	58	ESE	4	0	1011.1	-1	55	-1	SSE	3	-	02	3	2	59	55	om	om	om	*										
Birr Castle ...	1014.3	55	E	1	0	1012.1	-	56	+11	E	2	-	c	*	0.3	57	44	om	om	om	0.0										
Donaghadee ...	1018.1	55	SE	3	om	1017.1	0	54	0	ESE	4	-	omg	4	-	57	54	omg	om	om	*										
Liverpool (Bidston) ...	1018.0	57	-	0	0	1017.6	-1	52	-2	ESE	3	-	om	2	-	57	51	om	om	om	0.1										
Holyhead ...	1017.0	56	NE	2	bcn	1015.5	-1	52	0	ENE	5	-	bcn	3	Trace	59	50	om	om	om	0.0										
Pembroke (St. Ann's Head) ...	1015.9	58	ESE	4	omg	1014.7	0	56	+1	ESE	4	-	ogm	3	-	60	55	om	omg	omg	0.8										
Scilly (St. Mary's) ...	1013.6	56	SE	3	0	1012.2	0	57	+1	SSE	2	S	c	4	0.4	59	55	om	om	om	1.5										
Jersey (St. Aubin) ...	1014.5	63	E	4	b	1015.9	0	57	+1	E	2	-	0	2	-	69	51	b	b	om	9.8										
Portland Bill ...	1015.1	58	ENE	5	bcn	1015.1	0	57	0	E	4	E	cm	5	-	60	54	om	om	om	*										
Dunagness ...	1016.6	59	ENE	4	b	1017.4	0	55	0	ESE	3	-	b	3	-	64	54	bcn	b	b	*										
Wick ...	1020.7	54	SSE	4	bq	1019.7	0	51	-1	S	2	-	bm	2	-	56	51	bcn	bcn	bcn	9.2										
Nairn ...	1020.1	49	-	0	bc	1020.3	-	37	-4	-	0	-	bcn	0	-	56	35	bc	bc	bcn	*										
Leith ...	1020.6	55	E	1	0	1020.1	0	47	-5	SE	1	-	bm	1	-	60	46	o.c.b.c.	c.b.c.	o.c.b.c.	*										
Tynemouth ...	1021.9	53	SE	4	CZ	1020.6	0	52	-1	S	1	-	02	3	-	56	51	02	02	bm	*										
Spurn Head ...	1020.7	55	SE	5	b	1019.9	0	56	0	SE	3	-	bw	3	-	58	52	bcn	bc	b	*										
Yarmouth (Gorleston) ...	1020.1	57	ESE	4	b	1019.0	-1	56	0	SE	4	-	bq	3	-	59	55	bcn	bq	bq	7.0										
Clacton-on-Sea ...	1019.1	58	E	3	bc	1018.6	0	56	-1	ESE	3	-	bz	2	-	61	56	cm.bcz	bcz	bcz	8.0										
Nottingham ...	1019.7	54	E	3	b	1019.0	-	45	-7	E	2	-	fe	*	-	59	46	o	o.c.b.	bm	0.0										

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 12.10.1920.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Variable sky, mist or fog	Var	Slight
2. E. England	Fine, local mist	Indiff	Smooth
3. E. Midlands	Foggy	Bad	-
4. W. Midlands	Cloudy or dull, mist or fog	"	-
5. S.W. England	Cloudy or dull, (fog)	"	-
6. South Wales	Dull, misty	Indiff. Mod.	Slight
7. North Wales	Variable sky, misty	"	"
8. N.W. England	Variable sky, misty	V. Poor	"
9. N. Midlands	Fine mist or fog.	"	-
10. N.E. England	Variable sky, slight mist	Fair	Slight
11. E. Scotland	Fine to cloudy, misty	Poor	Smooth
12. S.W. Scotland	Fair or fine, misty	"	Slight
13. Isle of Man	Variable sky, misty	"	Mod.
14. N. & N.W. Scotland	Variable sky, misty	"	Smooth
15. Hebrides	Dull, slight local haze	Fair	"
16. Orkney and Shetlands	Cloudy.	Indiff	"
17. N.W. Ireland	Fair generally, misty	"	Slight
18. N.E. Ireland	Dull, misty	Poor	"
19. S.E. Ireland	Cloudy or dull, local mist	Indiff	"
20. S.W. Ireland	Fair to dull, slight local rain	Fair	Mod.

Temperature reported from Coastal and Cross Channel Steamers

Position Number	Date	Time G.M.T.	Sea °F	Air °F
12	11 th	0340	54	53
5	11 th	0812	55	52
3	11 th	1104	56	56
2	12 th	0115	57	58
12	12 th	0302	54	53
7	12 th	0330	60	58

CHART OF POSITION NUMBERS and Upper Cloud



Isallobars.



Barometric change from 4 h. to 7 h. (half millibars).

Lower Cloud.



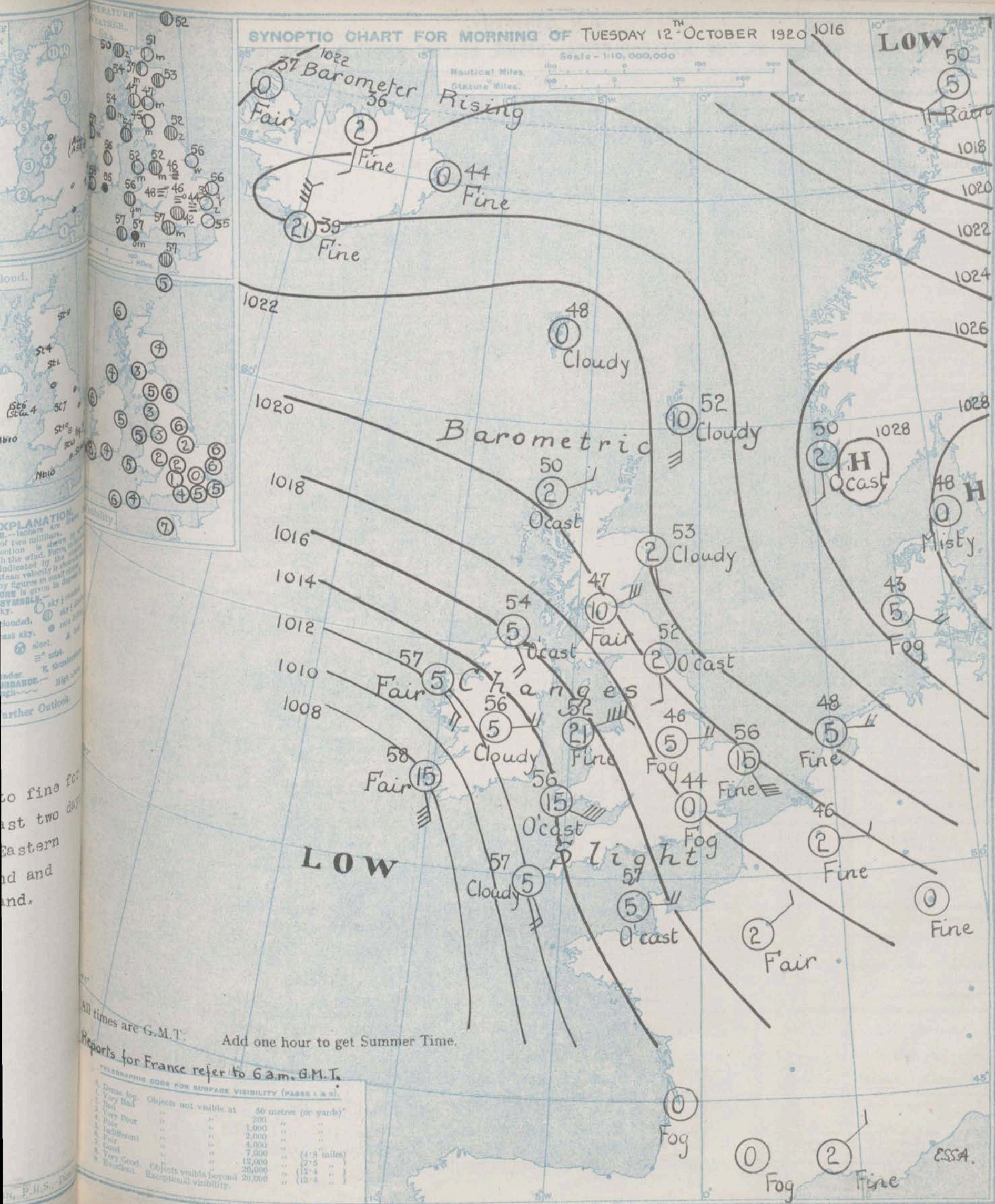
EXPLANATION
 BAROMETER.—Isobars are drawn at intervals of two millibars.
 WIND.—Direction is shown by a line with the wind. Force is shown by the number of feathers. Mean velocity is shown by the number of feathers. Mean velocity is given in feet per hour by figures in small circles.
 TEMPERATURE SYMBOLS.—
 ○ clear sky. ○ sky & clouds. ○ overcast sky. ○ snow. ○ fog. ○ thunder. ○ high sea.
 SEA DISTURBANCE.—
 Rough. High sea.

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

The Scandinavian anticyclone now extends Westwards as far as Iceland and the fall of the barometer over the British Isles has ceased. Over Scotland and Eastern England fair to fine weather is probable for a day or two, but in the West some local showers are likely. The wind will be light to moderate from S.E.

Districts.	Forecasts for the 24 hours commencing 15h.G.M.Tuesday, 12th October, 1920.
1. S.E. England	Light to moderate S.E. wind; fair to fine, mist or fog especially at night; little change of temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Light to moderate S.E. wind; fair to dull, low clouds, some local showers; misty; little change of 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	
12. S.W. Scotland	
13. Isle of Man	Light to moderate S.E. wind; fair to dull, low cloud; visibility indifferent to fair; little change of temperature.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkney and Shetlands	
17. N.W. Ireland	Same as 5 - 6.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Fair to fine for at least two days over Eastern England and Scotland.



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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-9h. 10 th -11 th .	Day. 9h-12h. 11 th .	16 17h. 10 th .	Sunrise to Sunset. 10 th .		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-9h. 10 th -11 th .	Day. 9h-12h. 11 th .	16 17h. 10 th .	Sunrise to Sunset. 10 th .
Scotland.									England, N.W.								
Oban ...	b	b	60	47	-	-	7.8	?	Douglas (I.O.M.)								
Banff ...	c	c bc	57	50	-	-	2.1	6.9	Blackpool ...	o	c o	53	48	-	-	0.0	8.7
Montrose ...	o	o	55	53	-	-	0.0	?	Southport ...	o	o	58	46	-	-	0.0	?
St. Andrews ...	o	c	56	51	1	-	0.7	?	Morecambe	-	-	60	51	-	-	4.8	?
England, N.E.									Midlands.								
Harrogate ...	o	o	55	50	-	-	0.0	0.7	Buxton ...	o	o bc m	60	53	-	-	1.8	3.2
Scarborough ...	bc	bc	58	52	-	-	0.6	?	Leamington Spa...	o	o bc b	58	52	-	-	0.4	?
Skegness ...	b	b	60	54	-	-	6.0	?	Malvern ...	o	o bc b	63	54	-	-	2.9	3.2
England, E.									Wales.								
Lowestoft ...	c bc b	b	59	53	-	-	7.4	?	Rhyl ...	bc	bc	59	54	-	-	1.1	8.3
Felixstowe ...	bz	bz	60	56	-	-	8.2	1.7	Colwyn Bay ...	-	-	59	50	-	-	1.0	9.9
Southend-on-Sea...	wc bc	b	62	53	-	-	8.0	1.1	Llandudno ...	*	*	58	50	-	-	0.0	9.3
England, S.E.									Aberystwyth ...	o. oc	b bc	61	51	-	-	3.5	?
Tunbridge Wells	b	b	65	48	-	-	7.7	0.7	Tenby ...	-	-	62	54	-	-	1.8	?
Margate ...	b	b	60	54	-	-	7.7	1.2	Swansea ...	-	-	62	54	-	-	1.2	3.4
Ramsgate ...	b	b	58	53	-	-	7.7	3.1	Weymouth ...	o z	o bz	62	52	-	-	2.3	?
Folkestone ...	b	b	63	52	-	-	7.5	2.1	Teignmouth ...	o bc cc	o	60	57	-	-	5.5	2.5
Hastings ...	b	b	65	52	-	-	8.3	3.6	Torquay ...	o z c b	b c o z	63	57	-	-	0.7	?
Eastbourne ...	o c bc b	b	63	50	-	-	6.2	3.1	Paignton ...	o m	o m	61	56	-	-	4.0	1.3
Brighton ...	o c	o c b	66	52	-	-	5.6	3.1	Penzance ...	o	o	60	55	-	-	1.2	5.7
Worthing ...	o c b	b	63	52	-	-	4.6	5.9	Newquay ...	o m bc	b cc	62	52	-	-	0.2	9.1
Littlehampton ...	b c m	b c m	59	53	-	-	5.0	?	Bude ...	c	c	62	52	-	-	1.2	8.8
Portsmouth (S. base)	*	*	64	51	-	-	4.0	5.4	Ilfracombe ...	o c o	o c o	61	56	-	-	1.3	4.0
Bournemouth ...	*	*	62	50	-	-	3.5	4.6	Weston-s-Mare ...	o c bc	b c m	63	54	-	-		
Ventnor (I. of W.)	*	*	62	54	-	-	1.8	4.5									

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.					Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL.		Sun. Hours.
	7h-10h 11 th .	10h-12h 11 th .	12h-1h 12 th .	1h-7h 12 th .	Day. 7h-12h.				Night. 12h-7h.		
Renfrew ...	o z f o z f	o z f	o z f c. o.	b b c z f e	58	36	37	-	-	0.4	
Esksdalemuir ...	o z f o	o z f	o z f b. o. b.	b b c z f e	54	41	38	-	-	0.9	
Valencia (Cabine'n) ...	z c o	z c o	c. o.	b b c.	62	54	53	-	1	1.4	
Baldonnel ...	o z f o z f	o z f	c. o. z f.	o z f	58	54	51	Trace	Trace	*	
Didsbury ...	o z f	o z f b b c z f	b z f.	b c z f e	57	45	34	-	-	*	
Ross on Wye... ..	o z f	o z f i f z f b c	b c z f b w	b z f e u j e	59	43	37	-	-	0.5	
Falmouth ...	o z f	o z f	o z f.	o z f	61	56	52	-	-	0.0	
Calshot (Hants) ...	o z f	b b c z f	z f j. b z f e	b z f e	64	49	40	-	-	5.0	
Lympne (Folkestone) ...	w o z f c o b c z f	b i f z f. b	b z f. w z f	b z f w z f	63	46	37	Trace	Trace	8.7	
Aberdeen ...	o z f	o z f	o z f.	o z f j e	56	51	45	-	-	0.0	
Howden ...	o z f	o z f b c c	b c c. z f e	b c c. z f e	58	41	39	-	-	0.8	
Cranwell (Lines) ...	o z f	c o c o b b c	b w z f e j e	z f e	60	42	35	-	0.2	2.0	
Felixstowe ...	z f b b c	b z f	b i f.	i f. b.	61	55	4	-	-	8.5	
Shoeburyness ...	b b c. b	b z f	b z f e.	b z f e.	62	51	38	-	-	8.3	
Benson ...	b c c	b b c	b b c.	b h c z f e	63	44	39	-	0.1	*	
S. Farnborough ...	o z f b c c	b b c z f	b b c. z f	z f. z f e	65	47	44	-	Trace	3.3	
London (Kew Obey.) ...	w o z f b c c z f	b c z f	b	z f e	64	43	38	-	Trace	3.1	
Croydon ...	o z f z f e	z f z f. b	b z f z f a d.	b z f z f e	65	39	*	-	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.

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	0-1.5
1	1-5	1.6-2.5
2	4-7	2.6-2.9
3	8-12	3.0-3.7
4	13-18	3.8-5.0
5	19-24	5.1-6.7
6	25-31	6.8-8.5
7	32-38	8.6-10.7
8	39-46	10.8-12.8
9	47-54	12.9-15.0
10	55-63	15.1-17.7
11	64-75	17.8-20.8
12	Above 76	20.9-33.4

33.6 or above

SYMBOLS—

Aurora ☞ Solar halo

Rime ☞ Lunar halo

Glazed frost ☞ Solar corona

Glazed roads ☞ Lunar corona

BEAUFORT NOTATION.

b blue sky (not more than a quarter covered).

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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 1.3

1 1-3 1.4-3.7

2 4-7 4.4-5.1

3 8-12 8.8-10.7

4 13-18 13.8-17.7

5 19-24 19.9-27.1

6 25-31 27.2-30.7

7 32-38 35.2-40.7

8 39-46 42.8-50.9

9 47-54 51.0-58.3

10 55-63 61.2-67.0

11 64-75 70.2-80.6

12 Above 76 82.7 or above

SYMBOLS-

Aurora ☆ Solar halo

Rime ☄ Lunar halo

Glazed frost ~ Solar corona

Glazed roads ☼ Lunar corona

LONDON OBSERVATIONS.

STATIONS.	WEATHER.			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.
	Morning.	Afternoon.	Night.							
Greenwich (Royal Observatory)	bc	bc. b.	b c m w b	64	40	34	-	7.2	62	82
City (Bunhill Row) ...	*	*	*	*	*	*	*	4.4	*	*
Westminster (St. James's Park)	*	*	*	65	49	41	-	3.8	62	80
Camden Sq. (British Rainfall)	o c.	b	*	66	44	39	-	*	73	100
Kensington Palace ...	c bc	bc	*	65	45	37	0.2	*	85 (18h)	97
Hampstead Observatory ...	*	*	*	62	47	46	0.3	5.4	*	86

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	12 th and 13 th OCTOBER 1920.	
	Stations.	Sunrise. Noon. Sunset.
Total 488 Joules.	Yarmouth...	6.15 11.40 5.4
	Greenwich	6.17 11.39 5.3
Average Rate. 12.4 Milliwatts.	Wick	6.21 11.41 5.10
	Valencia	6.22 11.46 5.14
Maximum Rate. 37	Wick	6.44 11.59 5.14
	Valencia	6.46 12.28 5.23

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 18...h. 18...m.
to 5...h. 15...m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	11. 0	11. 0	100
8 Ursae Minoris	11. 0	11. 0	100

NOTES ON THE WEATHER OF YESTERDAY.

The temperature reached 60° in many places, but ground frost occurred locally at night. A little rain fell in the South West, 2 mm at Roche's Point and 1 mm at Valencia. Sunshine records were good in the East and South East of England, and in the West of Scotland. Mist or fog was again of common occurrence.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. 821,510

WEDNESDAY, 13TH OCTOBER, 1920.

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

STATIONS.	OBSERVATIONS AT STATIONS CONTRIBUTING REPORTS AT 7h. AND 19h.														STATIONS CONTRIBUTING REPORTS AT 7h. AND 19h.																						
	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.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	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.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.											
13h. G.M.T. OF 12 th														13h. G.M.T. OF 12 th																							
Renfrew ...	1018.6	-3	ENE	5	bzf	58	75	4	-	-	-	-	-	1017.4	0	ENE	3	bzf	53	95	3	-	-	-	-	-	8										
Eskdalemuir ...	1018.1	-2	SE	3	bzf	58	65	5	-	-	-	-	-	1018.1	0	NNW	1	b	48	85	6	-	-	-	-	-	8										
Valencia (Cahire'n)	1009.1	+1	SSE	4	c	63	78	8	3000	Scn	8	-	-	1009.4	0	SE	4	bc	58	78	4	3000	Scn	3	Acn	2	4										
Baldonnel ...	1014.7	-1	SE	3	cxf	58	85	5	1200	Sc	8	-	-	1014.6	0	ENE	2	bc	56	92	5	2000	Sc	9	-	-	8										
Manchester (Alex. Pk)	1017.9	-1	SE	4	bz	60	65	4	1250	Cu	3	-	-	1017.8	0	SE	2	bzfc	48	95	2	-	-	-	-	-	8										
Ross on Wye ...	1017.6	-1	ESE	2	bc	53	85	4	750	Sc	10	-	-	1017.4	-1	-	0	bc	52	92	4	2000	Scn	10	-	-	8										
Falmouth ...	1015.0	0	SSE	2	Cm	61	85	6	-	-	-	-	-	1016.2	+2	S	2	bzfc	53	97	5	-	-	-	-	-	8										
Calshot (Hants) ...	1017.1	0	SE	3	bif	61	85	6	5700	Cu	1	-	-	1017.7	+1	ESE	3	bc	58	97	4	-	-	-	-	-	3										
Lymington (Folkestone)	1018.3	0	SSE	2	bif	60	85	6	-	-	-	-	-	1018.8	+1	ESE	1	bcnw	50	92	4	2000	Sc	1	-	-	8										
Aberdeen ...	1020.8	-2	SSE	3	bc ifc	56	85	6	1250	Sc	6	-	-	1019.1	-1	SSE	2	c ifc	54	92	6	750	Sc	8	-	-	2										
Howden ...	1018.5	-2	SSE	1	bcz	62	75	6	3000	Cu	6	-	-	1018.3	+1	SE	2	bzf	53	92	4	2000	Sc	2	ASc	1	8										
Cranwell (Lincs) ...	1018.5	-2	ESE	2	b	62	65	5	5700	Cu	1	-	-	1019.0	+1	ENE	1	zfc	50	97	5	-	-	-	-	-	8										
Felixstowe ...	1019.0	-1	SE	2	bif	61	65	6	-	-	-	-	-	1019.3	0	ESE	3	bif	57	95	5	-	-	-	-	-	8										
Shoeburyness ...	1017.4	-1	E	2	bm	61	75	6	-	-	-	-	-	1018.3	0	SE	1	bife	54	85	6	5700	Scn	1	-	-	8										
Benson ...	1016.9	-1	-	0	b	62	75	4	-	-	-	-	-	1017.6	0	-	0	b	51	85	4	-	-	-	-	-	8										
S. Farnborough ...	1017.6	+1	ESE	2	bif	63	65	6	4200	Cu	2	-	-	1018.3	+1	S	2	bzf	51	85	3	-	-	-	-	-	8										
London (New Obey.)	1017.3	-2	S	2	bcz	61	65	6	4200	Cu	5	-	-	1018.3	+1	-	0	bcnw	53	85	3	-	-	-	-	-	8										
Croydon ...	1018.2	+2	S	3	bc ifc	63	55	7	3000	Cu	5	-	-	1018.9	+1	S	2	bz ifc	51	85	4	2000	Scn	2	-	-	8										
1h. G.M.T. OF 13 th														7h. G.M.T. OF 13 th																							
Renfrew ...	1018.1	-1	N	1	bm	38	97	3	-	-	-	-	-	1016.6	0	-	0	bc	46	97	1	750	Sc	10	-	-	8										
Eskdalemuir ...	1018.1	-1	N	1	bm	38	97	3	-	-	-	-	-	1017.9	0	-	0	bc	37	97	3	-	-	-	-	-	8										
Valencia (Cahire'n)	1017.6	-2	SSE	6	bc	56	85	6	2000	Scn	2	-	-	1009.4	0	SSE	5	bc	58	78	4	3000	Scn	3	Acn	2	4										
Baldonnel ...	1015.1	0	S	2	bc	54	85	6	2000	Scn	2	-	-	1013.9	0	S	2	bc	55	85	8	750	Sc	7	-	-	8										
Manchester (Alex. Pk)	1017.9	-1	SE	4	bz	60	65	4	1250	Cu	3	-	-	1017.5	+1	S	4	bc	52	97	3	4500	Sc	10	-	-	8										
Ross on Wye ...	1017.6	-1	ESE	2	bc	53	85	4	750	Sc	10	-	-	1017.4	0	WSW	1	bc	50	97	2	4500	Sc	10	-	-	8										
Falmouth ...	1015.0	0	SSW	4	bc	56	92	8	-	-	-	-	-	1015.7	0	S	4	bc	57	92	8	-	-	-	-	-	8										
Calshot (Hants) ...	1018.0	0	ESE	2	bc	56	97	4	2000	Sc	10	-	-	1018.6	+1	-	0	bc	54	97	3	1250	Sc	10	-	-	8										
Lymington (Folkestone)	1019.2	0	E	1	bc	49	97	4	-	-	-	-	-	1019.1	+1	E	1	bc	50	97	2	2000	Sc	2	-	-	8										
Aberdeen ...	1018.1	0	-	0	bc	56	97	0	4500	Sc	10	-	-	1016.2	0	SSW	1	bc	45	85	2	1250	Sc	2	-	-	2										
Howden ...	1018.1	0	-	0	bc	56	97	0	4500	Sc	10	-	-	1017.7	0	-	0	bc	43	97	1	2000	Sc	10	-	-	8										
Cranwell (Lincs) ...	1018.9	0	SW	1	b	42	97	6	-	-	-	-	-	1018.6	0	SSW	1	bc	46	97	5	3000	Sc	9	-	-	8										
Felixstowe ...	1019.3	0	NNW	2	bc	47	97	1	4500	Sc	10	-	-	1019.4	+1	N	1	bc	43	97	1	-	-	-	-	-	8										
Shoeburyness ...	1017.4	-1	E	2	bm	61	75	6	-	-	-	-	-	1018.3	0	-	0	bc	46	92	3	4200	Scn	8	-	-	8										
Benson ...	1016.9	-1	-	0	b	62	75	4	-	-	-	-	-	1018.1	+2	-	0	bc	50	92	2	-	-	-	-	-	8										
S. Farnborough ...	1017.6	+1	ESE	2	bif	63	65	6	4200	Cu	2	-	-	1018.7	+1	S	1	bc	51	97	1	750	Sc	10	-	-	8										
London (New Obey.)	1017.3	-2	S	2	bcz	61	65	6	4200	Cu	5	-	-	1019.1	+1	-	0	bc	50	92	2	4500	Sc	10	-	-	8										
Croydon ...	1018.2	+2	S	3	bc ifc	63	55	7	3000	Cu	5	-	-	1019.6	+1	SSW	1	bc	51	97	4	1250	Sc	10	-	-	8										
STATIONS CONTRIBUTING REPORTS AT 7h. AND 19h.														STATIONS CONTRIBUTING REPORTS AT 7h. AND 19h.																							
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND. Dirac. Force 0-12.	Weather.	BAROMETER.		TEMPERATURE.		WIND.	Dirac. 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.						Max. °F.	Min. °F.	Morning.	Afternoon.	Night.																			
19h. G.M.T. OF 12 th																			7h. G.M.T. OF 13 th																		
Lerwick ...	1020.0	52	SSE	3	bcn	1017.1	-2	53	+1	SE	1	-	54	49	c	cm	bc	8																			
Stornoway ...	1018.2	49	-	0	bz	1015.5	0	42	-8	-	0	-	55	40	0	obz	bc f.	1.0																			
Castell Bay (Barra)	1016.8	55	NNE	3	b	1014.9	0	54	0	E	4	-	57	52	0	ob	bc bcn	3.1																			
Malin Head ...	1014.7	54	ESE	3	cm	1012.7	-1	50	-4	ESE	2	-	55	49	cm	cm	cm, bcn	4.0																			
Blacksod Point ...	1011.0	57	SE	3	bc	1008.0	-4	55	-2	E	3	SE	60	51	cm	bc	bc, bcn	8																			
Roche's Point ...	1012.5	57	SSE	3	b	1009.7	-1	58	+3	SE	5	-	60	55	ro.b	b	bcn	8																			
Birr Castle ...	1012.6	56	SSE	1	c	1010.7	0	55	-1	SSE	2	-	60	52	cz. of	bcn	cz. of	0.2																			
Donaghadee ...	1015.5	55	SSE	2	bcn	1015.1	0	54	0	S	2	-	57	52	cmg	bcn	cmg	8																			
Liverpool (Bidston)	1016.9	53	SE	4	m	1017.0	+1	49	-3	SE	1	-	57	49	obcn	bcn	bcn	4.1																			
Holyhead ...	1015.3	59	E	2	bm	1014.4	+1	52	0	E	4	-	63	52	bm	bcn	obd. b	5.2																			
Pembroke (St. Mary's)	1015.9	57	SE	2	b	1014.9	-1	57	+1	SE	3	SE	58	55	ogmp	ogm	bcn, c	0.0																			
Sully (St. Mary's)	1014.6	56	SSE	2	bc	1013.2	0	58	+1	SSE	4	S	62	56	cbcn	bc	bc, bcn	8.1																			
Jersey (St. Aubin)	1017.1	61	SE	2	c	1018.8	0	47	-10	SE	2	-	63	46	oco	obcn	bc	3.7																			
Portland Bill ...	1016.4	59	S	3	o	1017.6	0	58	+1	SSW	3	-	64	56	cmc	co	abc, b	8																			
Dungeness ...	1017.9	57	ESE	1	b	1018.7	0	42	-13	N	2	-	61	40	b	b	bc, b	8																			
Wick ...	1017.8	53	SSE	2	bm	1015.3	0	44	-7	WSW	1	-	56	43	bm	bcn	bcn, f	8																			
Nairn ...	1017.6	48	-	0	bcn	1015.4	0	37	0	-	0	-	52	32	bcn	bcn	bcn, ex	8.4																			
Leith ...	1017.0	53	E	1	b	1016.8	0	49	+2	SSE	1	-	58	47	bcn	bcn	bcn	8																			
Tynemouth ...	1018.0	54	SSE	3	cm	1017.4	0	49	-3	SW	2	-	57	48	oz	cm	f, bc	8																			
Spart Head ...	1019.2	56	SE	3	bm	1017.8	0	52	-4	S	2	-	60	48	bc	bc	b, bcg	8																			
Yarmouth (Gorleston)	1018.9	56	SSE	3	b	1019.1	0	40	-16	-	0	-	59	40	bcg	bcn	b, bcg	8.5																			
Clacton-on-Sea ...	1018.7	57	SSE	3	bc	1019.0	0	45	-11	NW	2	NW	61	44	bz	b, bcn	b, bcn	8.1																			
Nottingham ...	1018.3	52	SSE	1	bm	1018.1	0	49	+3	SW	1	SW	61	38	fmb	fmb	bc, f	4.5																			

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 13.10.20.

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	Dull, mist or fog	Bad	Smooth	3	12 th	0925	57	57
2. E. England	Variable sky, mist or fog	"	"	1	12 th	1136	60	62
3. E. Midlands	Variable sky, misty	"	-	7	13 th	0145	60	60
4. W. Midlands	Dull, mist or fog.	"	-	4A	13 th	0245	57	57
5. S.W. England	Variable sky.	Good	Mod.	12	13 th	0302	54	50
6. South Wales	Cloudy.	"	Slight.					
7. North Wales	Fine, hazy.	"	Smooth.					
8. N.W. England	Variable sky, local light fog	V. Poor	"					
9. N. Midlands	Variable sky, mist or fog	"	-					
10. N.E. England	Fair to dull, local fog	V. Bad	Smooth					
11. E. Scotland	Mainly fine, misty	Bad	"					
12. S.W. Scotland	Dull, foggy.	"	"					
13. Isle of Man	Fair generally, local mist	Var	"					
14. N. & N.W. Scotland	Dull, mist or fog	Bad	"					
15. Hebrides	Dull fog in North	"	Slight					
16. Orkneys and Shetlands	Cloudy.	Indiff.	Smooth					
17. N.W. Ireland	Cloudy	Good	Slight					
18. N.E. Ireland	Fair or fine, slight mist	Fair	Smooth					
19. S.E. Ireland	Cloudy.	Good	Slight					
20. S.W. Ireland	Dull.	"	Mod.					

Barometric change from 4 h. to 7 h. (half millibars).

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

The anticyclone over Iceland and the depression off S.W. Ireland maintain their positions with little change. Winds will probably continue to blow from the South East quadrant and a good deal of mist or fog will be prevalent.

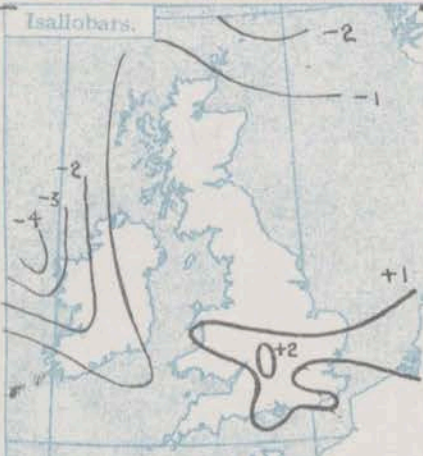
Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 13th October, 1920.
1. S.E. England	Wind light Southerly; mainly fair but slight morning drizzle probable; visibility ranging from poor to fair, some mist or fog; temperature moderate.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind South-East or South, moderate; variable sky, some showers; visibility indifferent to fair; temperature moderate.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	As for 1 - 4.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Light S.E. or variable wind; cloudy, local showers; visibility indifferent to fair, some mist; temperature moderate.
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Wind mainly S.E., moderate or fresh; variable sky, some rain or showers; visibility fair; temperature moderate.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2.

Forecasts issued at 0900 G.M.T.

G. C. SIMPSON, F.R.S.

CHART OF POSITION NUMBERS and Upper Cloud



Lower Cloud.

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, in knots, is indicated by the number of flags.
 TEMPERATURE.—Mean temperature is shown in degrees Fahrenheit.
 WEATHER SYMBOLS.—
 ☉ clear sky.
 ☁ sky & cloud.
 ☂ overcast sky.
 * snow.
 ☂ fog.
 T thunder.
 SEA DISTURBANCE.—
 Rough.
 High seas.

Further Outlook

Mainly fair over Eastern half of British Isles, but much mist or fog.

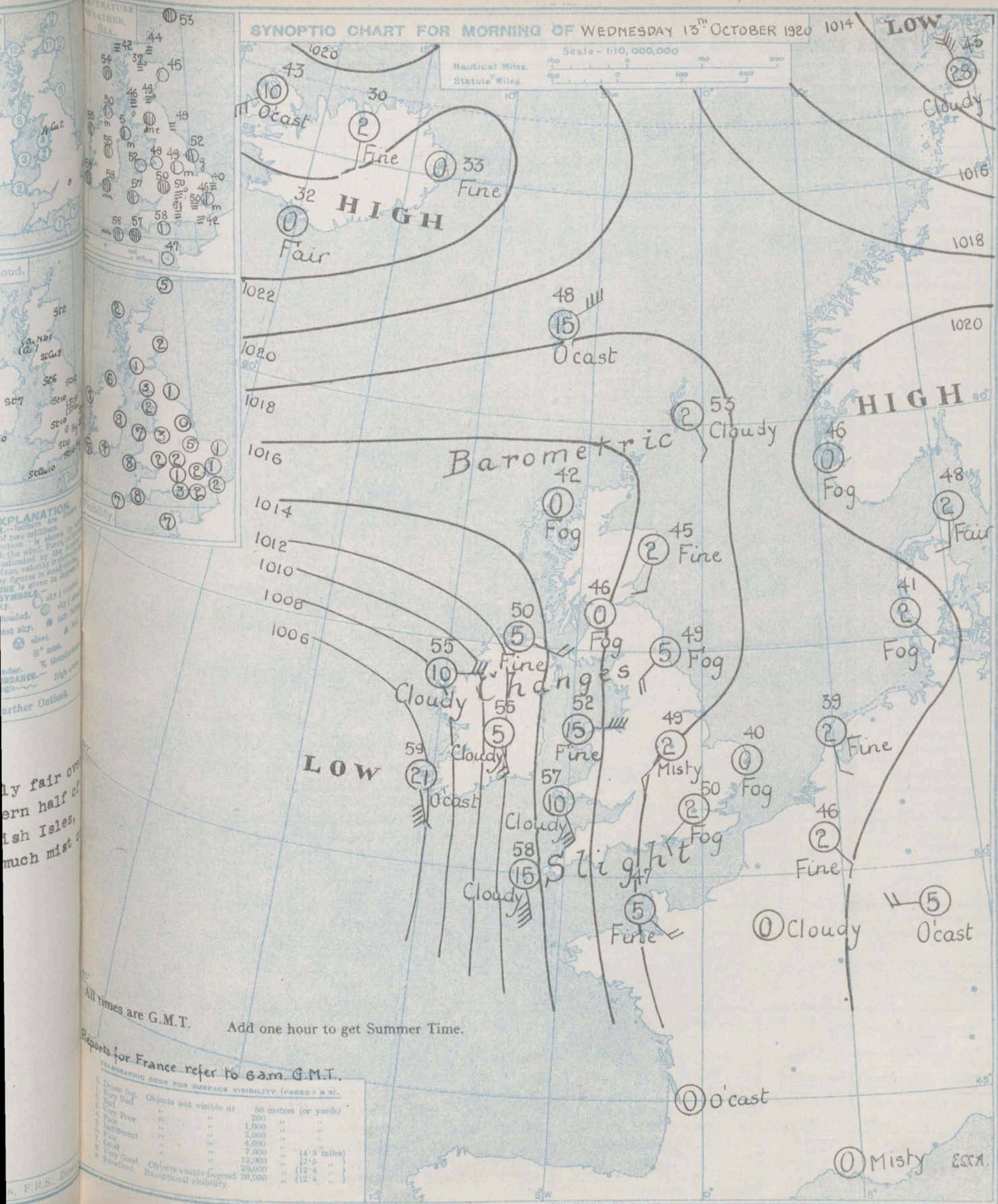
All times are G.M.T.

Reports for France

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

SYNOPTIC CHART FOR MORNING OF WEDNESDAY 13th OCTOBER 1920

Nautical Miles
Statute Miles.



All times are G.M.T.

Add one hour to get Summer Time.

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

NAUTICAL CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)			
Drizzle fog	Objects not visible at	50 metres (or yards)	
Very bad	"	"	"
Bad	"	"	"
Very Poor	"	"	"
Poor	"	"	"
Indifferent	"	"	"
Fair	"	"	"
Good	"	"	"
Very Good	"	"	"
Excellent	"	"	"
	Objects visible beyond		
	Exceptional visibility		

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No 287.

WEDNESDAY
13th OCTOBER

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 ...	bbc	b	63	49	-	-	7.6	7.8	Douglas (I.O.M.)								
Banff ...	bc b	b	60	47	-	-	7.3	2.1	Blackpool ...			61	46	-	-	5.7	0.0
Montrose ...	bc	c	56	48	-	-	1.1	0.0	Southport ...	c bc b	b	60	46	-	-	6.0	4.8
St. Andrews ...									Morecambe			63	49	-	-	7.6	
England, N.E.									Midlands.								
Harrogate ...	om cbc	b	60	48	-	-	4.4	0.0	Buxton ...			63	47	-	-	5.4	1.4
Scarborough ...	b	b	61	50	-	-	9.0	0.6	Leamington Spa...	oc	bc b	56	49	-	-	1.2	5.4
Skegness ...	b	b	61	54	-	-	9.3	6.0	Malvern ...	z		61	48	-	-	1.3	2.9
England, E.									Wales.								
Lowestoft ...	b	b	59	54	-	-	8.7	7.4	Rhyl ...	c bc	bc	62	50	-	-	5.7	1.1
Felixstowe ...	b	bz	61	56	-	-	9.1	8.2	Colwyn Bay ...			64	50	-	-	5.9	1.0
Southend-on-Sea...	b	b	59	51	-	-	9.0	8.0	Llandudno ...			64	50	-	-	6.0	0.0
England, S.E.									Aberystwyth ...	oc b	co o	64	51	-	-	4.5	3.5
Tunbridge Wells	b	b	62	47	-	-	8.4	7.7	Tenby ...			60	53	-	-	0.5	1.9
Margate ...	b	b	61	51	-	-	8.7	7.7	Swansea ...								
Ramsgate ...	b	b	60	51	-	-	8.5	7.7	Weymouth ...	m oc	co co	62	51	-	-	0.1	1.3
Folkestone ...	b	b	66	52	-	-	8.3	7.5	Teignmouth ...	o	oc bc	62	58	-	-	0.5	2.3
Hastings ...	b	b	62	52	-	-	9.3	8.3	Torquay ...	c bc	c bc	62	59	-	-	0.8	5.5
Eastbourne ...	b	b bc	63	45	-	-	8.9	6.2	Paignton ...	c	cb	64	57	-	-	1.6	0.7
Brighton ...	b	b	63	49	-	-	8.6	5.6	Penzance ...	c bc	bc b	63	57	1	-	6.7	3.0
Worthing ...	b	b	62	49	-	-	9.0	4.6	Newquay ...	c bc	b	65	56	0.3	-	4.8	1.0
Littlehampton ...	b m	bc	61	47	-	-	8.5	5.0	Bude ...	a m b		63	55	-	1	3.1	0.2
Portsmouth (S. Sea)	b	b	63	49	-	-	8.4	4.0	Ilfracombe ...	oc	cp bc	62	55	-	-	1.3	1.2
Bournemouth ...	*	*	62	46	-	-	3.8	3.5	Weston-s-Mare ...	oc bc	bc	59	49	-	-	1.2	1.3
Ventnor (I. of W.)	*	*	64	54	-	-	8.5	1.8									

STATIONS.

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.
	7h-12h.	12h-18h.	18h-24h.	24h-7h.				Day. 7h-18h.	Night. 18h-7h.	
Renfrew ...	bcc zf	bzf bzf	bazf azfz	azf	58	45	41	-	-	4.5
Eskdalemuir ...	bzf	z b	zb fzx	bazf x	59	33	30	-	-	9.1
Valencia (Cahire)	bcc p	bcc bcc	bc z	bc azfz	63	56	52	7	5.2	
Baldonnell ...	azf co	zfc	bbc azf	bcc azf	58	47	39	-	-	0.3
Manchester (Alex. P.K.)	bcc z	bz bzf	ba zfc	azf	62	42	29	-	-	*
Ross on Wye ...	azf azf	azf co azf	azf azf	azf bzfz	56	47	39	0.2	0.5	
Falmouth ...	azf p bcc	bc bzf	bazf bzf	bazf bzf	64	56	48	1	5.4	
Calshot (Hants) ...	bzf	bcc zf	azf zfc	azf azf	61	50	47	-	-	8.2
Lymington (Folkestone)	zfc bzf	bzf	bazf bzf	bazf bzf	61	47	34	Trace	Trace	9.4
Aberdeen ...	zfc ifc	ifc	azf azf	zfc zfc	56	45	34	-	-	0.6
Howden ...	zfc ifc	bcc z	azf azf	zfc	62	37	34	-	-	7.7
Cranwell (Lincoln) ...	b bc	b bc	bazf	b bc c	63	42	31	-	-	6.9
Felixstowe ...	bif	z b	b zfc	bazf	62	41	*	-	0.1	9.1
Shoeburyness ...	zfc ifc	bifc	bazf zfc	bazf zfc	61	39	33	-	-	9.2
Benson ...	zfc	bcc b	bazf	azf	62	45	40	-	0.1	*
S. Farnborough ...	zfc bcc	bcc b	bazf	azf	63	45	39	Trace	Trace	6.2
London (Kew Obs.)	zfc bcc	z bcc	bazf	azf	63	42	36	Trace	Trace	5.9
Croydon ...	zfc bcc	bcc b	bazf	azf	64	45	*	Trace	Trace	*

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.
rf = continuous moderate rain.
r.f. = continuous light rain.

No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.9
1	1-3	0.9-1.3
2	4-7	1.4-1.9
3	8-12	2.0-2.9
4	13-18	3.0-3.9
5	19-24	4.0-4.9
6	25-31	5.0-5.9
7	32-38	6.0-6.9
8	39-46	7.0-7.9
9	47-54	8.0-8.9
10	55-63	9.0-9.9
11	64-75	10.0-10.9
12	Above 75	11.0 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.		Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.	
24 HOURS ENDED 9h G.M.T. 13 th								YESTERDAY.	TO-DAY.	Vertical Component of Solar Radiation per Square Centimetre during yesterday Total 665 Joules. Average Rate. 17.0 Maximum Rate. 37	13 th AND 14 th OCTOBER 1920.					
Greenwich (Royal Observatory)	b. bc.	b. bc.	bm. aut	65	42	30	-	7.1	60		90	Yarmouth... Greenwich Wick Valencia ...	{ { { {	6.17 6.19 6.22 6.24	11.39 11.46 11.58 12.17	5.1 5.10 5.2 5.50
City (Bunhill Row)	*	*	*	*	*	*	*	4.6	*		*					
Westminster (St. James's Park)	*	*	*	67	46	38	-	5.7	54	90						
Camden Sq. (British Rainfall)	bm. bc.	bc. c.	*	66	45	42	0.3	*	62	97						
Kensington Palace	bc	bc	*	66	44	36	0.4	*	80 (18h)	97						
Hampstead Observatory	*	*	*	64	49	37	Trace	5.5	*	93						

Photographic Record of

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

Exposure from 18.15 to 18.45 h. 15. m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	11.0	8.34	78
δ Ursae Minoris	11.0	7.32	68

NOTES ON THE WEATHER OF YESTERDAY.

Some rain fell in the West but falls were generally slight except at Valencia where 7 mm. were measured in a heavy shower during the night. In spite of much morning mist or fog some good sunshine records were obtained in the South Eastern districts and also in the North of Scotland. 9.4 hours were recorded at Lymington and 9.3 hours at Hastings. Maximum temperature in the Southern districts were mostly between 60° and 65° but 69° was reached at Southend. Slight ground frosts occurred at Manchester and Eskdalemuir.

* Information for these columns not usually received.

LONDON
1920.



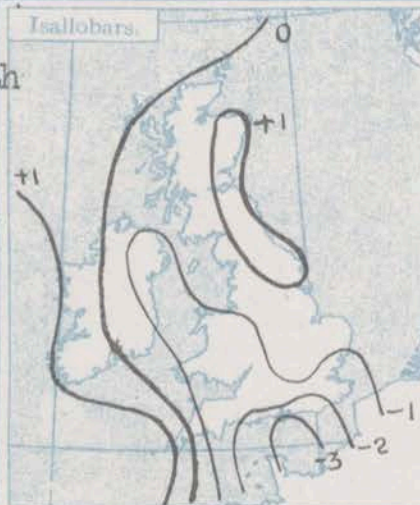
AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. LONDON:
BRITISH SECTION. No. B.21,511 ... T. HURSDAY, 14TH OCTOBER, 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H 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.	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 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Dir.	Force 0-12.						Form.	Amt. 0-10.							
13H. G.M.T. OF 13 TH																																
Renfrew ...	1016.7	-1	-	0	oaf	51	92	2	2000	St	10	-	-	*	1016.0	0	-	0	caf	50	92	2	2000	St	7	-	-	*				
Esksdalemuir ...	1016.8	0	SSW	2	bczf	55	85	4	3000	St	5	-	-	*	1017.1	0	-	0	bm	46	92	5	-	St	6	ASr	2	4				
Valencia (Cahire's) ...	1005.0	0	SSE	6	op. f	60	85	7	2000	St	10	-	-	4	1004.9	0	SSE	5	c	58	85	7	1250	St	4	Ci	3	*				
Baldonnell ...	1012.6	-2	S	4	cif	64	75	7	2000	St	4	Ci	4	*	1012.4	+1	SSE	3	cif	56	85	7	2000	St	4	Ci	3	*				
Manchester (Alex. P.) ...	1017.5	-1	SW	4	bif	62	65	6	4200	Cu	2	Ci	1	*	1017.2	0	SSE	1	caf	56	85	3	4200	St	10	-	-	*				
Ross on Wye ...	1017.8	-1	S	1	om	60	75	6	5700	St	8	ASr	1	*	1017.3	-1	SSW	1	bc	56	85	3	2000	Nb	3	Ci	2	*				
Falmouth ...	1015.7	0	S	3	cif	59	92	7	-	St	7	-	-	*	1014.5	-2	S	3	caf	57	97	5	-	Cu	7	-	-	*				
Calshot (Hants) ...	1019.1	-1	ESE	2	bzf	59	97	3	5700	Cu	3	-	-	2	1018.8	+1	SSW	1	bif	57	97	7	-	-	Ci	2	1	*				
Lymington (Folkestone) ...	1019.2	0	N	1	cif	61	85	6	1250	St	7	-	-	*	1019.3	0	SW	2	bmw	54	92	4	2000	St	1	-	-	*				
Aberdeen ...	1016.2	0	S	1	bif	58	85	5	-	-	-	-	-	2	1016.4	+1	S	1	bczf	49	92	2	5700	St	5	-	-	2				
Howden ...	1017.1	-2	-	0	caf	58	85	3	4500	St	10	-	-	*	1017.4	+2	-	0	caf	51	92	3	4500	St	10	-	-	*				
Cranwell (Lincs) ...	1018.6	0	WSW	1	bc	63	65	5	3000	Cu	4	-	-	*	1018.6	+1	SSW	1	b	52	85	5	5700	St	1	-	-	*				
Felixstowe ...	1019.2	-2	-	0	bif	61	75	6	7200	St	1	-	-	*	1019.1	0	-	0	bzf	54	92	5	-	-	ASr	1	0	*				
Shoeburyness ...	1019.1	0	SSE	1	bife	63	75	5	4200	Cu	2	-	-	*	1018.8	0	-	0	bife	58	92	2	-	-	-	-	-	*				
Benson ...	1019.2	-1	SSE	1	bc	61	75	5	-	Cu	5	-	-	*	1018.1	0	S	1	b	52	85	6	-	Cu	1	-	-	*				
S. Farnborough ...	1019.0	0	SSW	2	bczf	64	75	7	3000	Cu	4	-	-	*	1018.3	0	SSW	2	bif	56	85	6	2000	St	1	ASr	1	*				
London (Kew Obs.) ...	1019.4	-1	WSW	1	caf	57	85	4	4200	Cu	7	-	-	*	1018.8	0	-	0	bmw	54	97	3	-	-	-	-	-	*				
Croydon ...	1019.4	+2	NW	2	bzf	62	75	5	2000	Cu	1	-	-	*	1019.5	0	S	2	bwzf	54	92	4	2000	Cu	1	Ci	1	*				
7H. G.M.T. OF 7 TH																																
Renfrew ...	1016.6	-1	-	0	b	47	92	6	-	-	-	ASr	3	*	1016.2	0	-	0	caf	49	97	2	2,000	St	10	-	-	*				
Esksdalemuir ...	1016.8	0	SSW	2	omf	57	85	4	-	-	-	-	-	6	1016.5	+1	N	1	bmw	45	97	5	2,000	St	10	Ci	1	4				
Valencia (Cahire's) ...	1005.9	0	SSE	6	omf	57	85	4	-	-	-	-	-	6	1005.2	+1	SSE	4	0	56	92	6	750	St	10	-	-	4				
Baldonnell ...	1011.9	-2	ESE	3	bc	56	85	5	2000	St	4	-	-	*	1011.7	0	NE	1	0	56	85	8	1250	St	5	ASr	4	*				
Manchester (Alex. P.) ...	1017.5	-1	SW	4	bif	62	65	6	4200	Cu	2	Ci	1	*	1017.2	0	SSE	1	caf	56	85	3	4200	St	10	-	-	*				
Ross on Wye ...	1017.8	-1	S	1	om	60	75	6	5700	St	8	ASr	1	*	1017.3	-1	SSW	1	bc	56	85	3	2000	Nb	3	Ci	2	*				
Falmouth ...	1015.7	0	S	3	cif	59	92	7	-	St	7	-	-	*	1014.5	-2	S	3	caf	57	97	5	-	Cu	7	-	-	*				
Calshot (Hants) ...	1019.1	-1	ESE	2	bzf	59	97	3	5700	Cu	3	-	-	2	1018.8	+1	SSW	1	bif	57	97	7	-	-	Ci	2	1	*				
Lymington (Folkestone) ...	1019.2	0	N	1	cif	61	85	6	1250	St	7	-	-	*	1019.3	0	SW	2	bmw	54	92	4	2000	St	1	-	-	*				
Aberdeen ...	1016.2	0	S	1	bif	58	85	5	-	-	-	-	-	2	1016.4	+1	S	1	bczf	49	92	2	5700	St	5	-	-	2				
Howden ...	1017.1	-2	-	0	caf	58	85	3	4500	St	10	-	-	*	1017.4	+2	-	0	caf	51	92	3	4500	St	10	-	-	*				
Cranwell (Lincs) ...	1018.6	0	WSW	1	bc	63	65	5	3000	Cu	4	-	-	*	1018.6	+1	SSW	1	b	52	85	5	5700	St	1	-	-	*				
Felixstowe ...	1019.2	-2	-	0	bif	61	75	6	7200	St	1	-	-	*	1019.1	0	-	0	bzf	54	92	5	-	-	ASr	1	0	*				
Shoeburyness ...	1019.1	0	SSE	1	bife	63	75	5	4200	Cu	2	-	-	*	1018.8	0	-	0	bife	58	92	2	-	-	-	-	-	*				
Benson ...	1019.2	-1	SSE	1	bc	61	75	5	-	Cu	5	-	-	*	1018.1	0	S	1	b	52	85	6	-	Cu	1	-	-	*				
S. Farnborough ...	1019.0	0	SSW	2	bczf	64	75	7	3000	Cu	4	-	-	*	1018.3	0	SSW	2	bif	56	85	6	2000	St	1	ASr	1	*				
London (Kew Obs.) ...	1019.4	-1	WSW	1	caf	57	85	4	4200	Cu	7	-	-	*	1018.8	0	-	0	bmw	54	97	3	-	-	-	-	-	*				
Croydon ...	1019.4	+2	NW	2	bzf	62	75	5	2000	Cu	1	-	-	*	1019.5	0	S	2	bwzf	54	92	4	2000	Cu	1	Ci	1	*				
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.	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 14 TH																							7H. G.M.T. OF 15 TH					24 HOURS ENDED 7H. 15 TH				
Lerwick ...	1016.6	51	-	0	C	1015.8	0	49	-4	-	0	-	C	0	-	53	48	C	C	C	8.1											
Stornoway ...	1015.9	50	E	1	0	1015.7	0	49	+7	E	1	-	0	0	-	55	41	b	b. o	o. b. o	2.8											
Castlebay (Barra) ...	1014.2	55	ENE	4	bm	1013.2	0	55	+1	E	4	-	om	4	-	57	50	om of	of bm	bm om	-											
Malin Head ...	1010.7	57	SE	3	C	1010.0	-1	54	+4	ESE	3	SE	cm	2	-	60	49	bc	cm	bc	7.0											
Blacksod Point ...	1006.6	59	SE	4	C	1005.8	+1	55	0	SE	3	-	bc	4	-	61	54	bc	bc	C	-											
Roche's Point ...	1009.6	58	SSE	4	0	1009.0	0	57	-1	S	3	-	0	3	9	60	55	ompom	ompom	ct. o.	-											
Birr Castle ...	1009.9	58	SE	2	C	1007.4	0	55	0	SE	2	-	C	4	4	62	53	ch	ch	ch	2.9											
Donaghadee ...	1014.5	56	S	3	cmp	1012.9	-1	55	+1	SE	3	S	cm	2	3	59	54	bcm	bcm	bc omp	-											
Liverpool (Bidston) ...	1016.0	57	SE	3	0	1014.2	-1	51	+2	SE	3	SE	bc	5	-	60	49	bm f. bc	C. o	o. bc	4.3											
Holyhead ...	1014.9	59	S	5	Cq	1012.3	0	55	+3	E	3	S	C	1	0.1	60	50	bx cz	Cg	ch. bc. h. o.	5.0											
Pembroke (St. Ann's Head) ...	1014.6	58	SSE	4	0	1012.0	-1	56	-1	SE	3	-	0	4	10	60	55	0	0	oc. of	0.5											
Scilly (St. Mary's) ...	1013.1	57	SSE	3	bc	1012.0	0	57	-1	SSW	2	SW	bc	4	2	61	56	cbc p	bcm	bc. of. bc.	6.5											
Jersey (St. Aubin) ...	1017.6	60	ESE	2	b	1016.0	0	58	+1	SW	2	SW	C	2	0.3	66	47	bc	bc	b. o. bc.	8.8											
Portland																																

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 14.10.1920.

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	Misty and foggy generally	V. Poor	Smooth					
2. E. England	Misty and foggy generally	Bad	Calm					
3. E. Midlands	Foggy	"	"	8	13.5	0400	60	58
4. W. Midlands	Foggy	"	"	5	13.5	0840	55	55
5. S.W. England	Fair to dull.	Good	Mod.	7	14.5	0215	60	60
6. South Wales	Dull	V. Good.	"	4A	14.5	0335	56	58
7. North Wales	Dull	"	Very Smooth	12	15.5	0301	53	53
8. N.W. England	Foggy.	V. Poor.	Smooth					
9. N. Midlands	Foggy	V. Bad.	"					
10. N.E. England	Fair, local mist and fog	Bad	V. Smooth					
11. E. Scotland	Dull, some fog.	Bad	Smooth					
12. S.W. Scotland	Fine, misty	Indiff.	"					
13. Isle of Man	Dull, misty	Fair	"					
14. N. & N.W. Scotland	Dull, misty	Poor	Calm					
15. Hebrides	Dull.	Fair	Smooth					
16. Orkneys and Shetlands	Dull.	Indiff.	Mod.					
17. N.W. Ireland	Fair	Good	"					
18. N.E. Ireland	Dull, misty,	Fair	Smooth					
19. S.E. Ireland	Dull	"	Slight					
20. S.W. Ireland	Rainy.	"	Mod.					



Barometric change from 4 h. to 7 h. (half millibars).

CHART OF POSITION NUMBERS and Upper Cloud



Lower Cloud.



EXPLANATION

BAROMETER—Isobars in millibars. Intervals of two millibars. WIND—Direction is shown by flying with the wind. Force is indicated by the number of feathers. Mean velocity in miles per hour by figures in square.

TEMPERATURE—Temperature is given in degrees Fahrenheit.

WEATHER SYMBOLS—

- clear sky.
- sky overcast.
- overcast sky.
- * snow.
- = fog.
- T thunder.
- SEA DISTURBANCE—Rough.

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

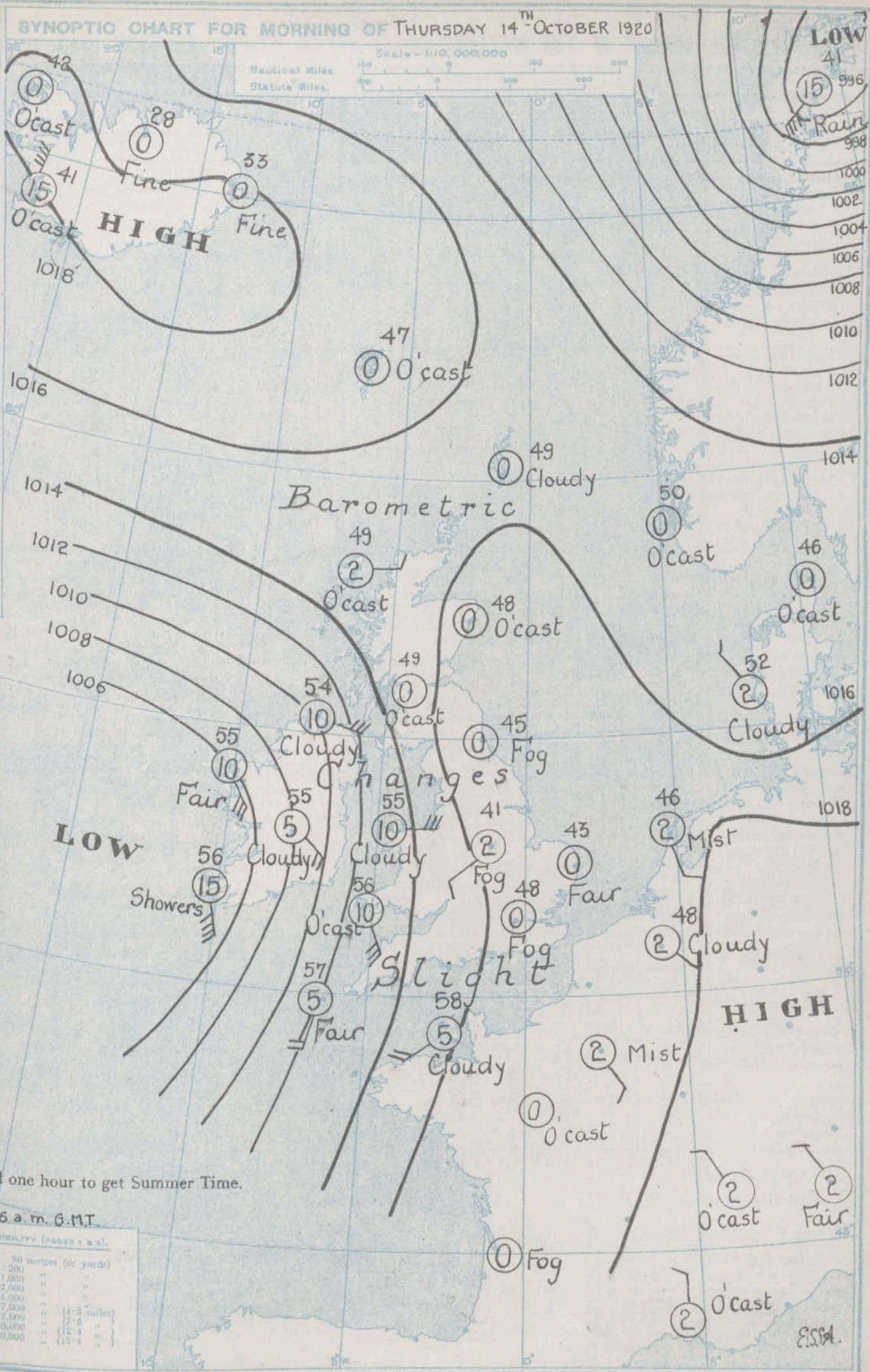
A new depression shown in the Azores region on Wednesday will probably affect our Southwest districts very shortly causing rain and a freshening wind from Southwest. Along the East Coast however weather is likely to continue mainly fair for another 24 hours.

Districts	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 14th October, 1920.
1. S.E. England	Wind light Southerly; mainly fair but perhaps local showers; visibility varying from poor to fair, much morning mist; continuing mild.
2. E. England	
3. E. Midlands	
4. W. Midlands	Wind mainly SE or S moderate, fresh at times; cloudy, probably some rain later; visibility fair; continuing mild.
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	Wind light SE or E; fair or cloudy; visibility varying from poor to fair, much morning mist or fog; temperature moderate.
11. E. Scotland	
12. S.W. Scotland	Wind E or SE moderate; cloudy to dull, some rain later; visibility indifferent to fair; temperature moderate.
13. Isle of Man	
14. N. & N.W. Scotland	Wind E or SE light to moderate; cloudy to dull, some showers; visibility fair, mist locally; temperature moderate.
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Wind SE or S moderate to fresh; cloudy to dull some rain; visibility fair, mist locally; continuing mild.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Unsettled conditions spreading from South-west

Scale - 1:10,000,000

101



are G.M.T.

Add one hour to get Summer Time.

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

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

PLASMAPHON CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).

None	00	Objects not visible at	80 metres (or yards)		
Very Bad	01		200		
Bad	02		1,000	"	"
Very Poor	03		2,000	"	"
Poor	04		4,000	"	"
Different	05		7,000	"	"
Fair	06		12,000	"	1 1/2 miles
Good	07		20,000	"	2 1/2 "
Very Good	08		20,000	"	12 1/4 "
Excellent	09	Exceptional visibility.	20,000	"	12 1/4 "

N. F.R.S. D...

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No 288.

THURSDAY
14TH OCTOBERWEATHER, 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 12-13.	Day 13-17h.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night 12-13.	Day 13-17h.	to 17h.	Sunrise to Sunset.
Scotland.									Douglas (I.O.M.)								
Oban ...	pac	bc	60	44	1	-	29	7.6	Blackpool ...	mo	bc	63	48	-	-	4.8	5.7
Banff ...	b	b	54	36	-	-	8.6	7.3	Southport ...	cbcb	bccco	64	48	-	-	4.0	6.0
Montrose ...	cfbc	of	57	44	-	-	6.2	1.1	Morecambe	-	-	59	46	-	-	5.7	7.6
St. Andrews ...	o	o	56	39	-	-	0.4	?	England, N.W.								
England, N.E.									Buxton ...								
Harrogate ...	m bc	bc b	63	40	0.2	-	4.1	4.4	Leamington Spa...	ocb	bc b	64	45	-	-	5.8	5.4
Scarborough ...	bc	bc	66	47	-	-	4.4	9.0	Malvern ...	zc	co	60	49	-	-	5.0	1.3
Skegness ...	m bcf b	b	61	41	-	-	6.1	8.3	Bath ...	m b	b bc	64	45	-	-	6.3	5.7
England, E.									Rhyl ...	bc	bc	63	54	-	-	5.8	6.1
Lowestoft ...	m b	b	64	41	-	-	6.5	8.7	Colwyn Bay ...	-	-	64	48	-	-	5.9	6.0
Felixstowe ...	cf	bz	62	43	-	-	5.3	9.1	Llandudno ...	-	-	64	50	-	-	5.1	4.5
Southend-on-Sea...	m wbc	bem	66	47	-	-	4.4	9.0	Aberystwyth ...	occ	bco	64	50	-	-	2.3	4.5
England, S.E.									Tenby ...	-	-	63	53	0.1	-	2.3	0.5
Tunbridge Wells	f vbc b	b bc b	66	41	-	-	5.1	8.4	Weymouth ...	bc	b bc	66	48	-	-	9.0	0.1
Margate ...	b bc b	c bc c	64	47	-	-	5.0	8.7	Teignmouth ...	m wbc	b	64	55	-	-	5.2	0.5
Ramsgate ...	-	-	64	46	-	-	5.3	8.5	Torquay ...	c	b cc bc	65	52	-	-	6.2	1.6
Folkestone ...	f bc	bc	65	51	-	-	3.1	8.3	Paignton ...	w bc	bc	65	44	-	-	4.5	4.8
Hastings ...	w b	b bcf	67	51	0.2	-	7.5	9.3	Penzance ...	bc	bc	61	56	?	-	6.0	3.1
Eastbourne ...	bc	bccco	66	45	-	-	8.4	8.9	Newquay ...	b	b bc c	62	52	0.1	-	4.5	1.3
Brighton ...	b	b f	64	47	-	-	7.2	7.6	Bude ...	ccoc	b bc c	64	52	-	-	6.2	1.3
Worthing ...	b	b	65	50	-	-	9.3	9.0	Ilfracombe ...	oc bc	bc b	64	53	-	-	5.0	1.2
Littlehampton ...	b	b	62	48	-	-	8.0	8.5	Weston-s-Mare ...	m bc	b bc	66	51	-	-	-	-
Portsmouth (Sibsea)	-	-	62	52	-	-	4.2	8.4									
Bournemouth ...	-	-	63	48	-	-	6.0	3.8									
Ventnor (I. of W.)	-	-	65	54	1	-	8.1	8.5									

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. 4-5f	co 4-5f	o. 4-5f	o. 4-5f	55	46	40	mm.	mm.	0.0
Eskdalemuir ...	o. 2f	b bc 2f	o. 2f	b bc 2f	58	36	36	-	0.1	2.8
Valencia (Cahire'n)	cop	cop	b c bc c	b c bc c	63	56	53	4	8	0.2
Baldonnel ...	if bc	co if	b bc 2f	o. 2f	65	53	47	-	6	6.5
Didsbury ...	b bc 2f	co 2f	b c 3f	b c 3f	63	47	33	-	-	1.6
Ross on Wye...	co 2f b bc	co 2f b bc	b bc 2f	b bc 2f	61	46	31	-	-	3.9
Falmouth ...	b bc 2f	co 2f	b bc 2f	b bc 2f	60	54	54	-	6	5.5
Calshot (Hants)...	o. 2f b bc	b bc 2f	b 3f o. 2f	b 3f o. 2f	64	52	51	-	-	4.1
Lympne (Folkestone)	b cc o. 2f	b bc 2f	b bc 2f	b bc 2f	62	46	36	-	Trace	4.1
Aberdeen ...	3f 2f	4 3f	3f o. 2f	o. 2f o. 2f	58	45	44	-	-	7.6
Howden ...	o. 2f	co 2f	o. 2f 3f	o. 2f 3f	62	39	35	-	-	2.1
Cranwell (Lincs)...	b bc 2f	b bc 2f	b bc 2f	b bc 2f	63	45	36	-	-	8.0
Felixstowe ...	b bc 2f	b bc 2f	b 4-5f	b 4-5f	63	42	37	-	0.2	4.7
Shoeburyness ...	3f 2f	2f o. 2f	4-5f o. 2f	b c 3f	63	40	37	-	0.1	4.8
Benson ...	-	b bc 2f	b bc 2f	b bc 2f	64	43	37	-	-	-
S. Farnborough ...	4-5f if	b bc 2f	if b	b 3f	66	41	37	-	Trace	4.9
London (Kew Obs.)	o. 2f co	b bc 2f	b 3f c 3f	o. 2f	60	44	39	-	Trace	3.2
Croydon ...	o. 2f co	b 3f b bc 2f	b 3f if w.	b 3f if w.	63	45	37	-	Trace	3.2

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.

No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.5
1	1-3	0.5-0.8
2	4-7	1.0-1.9
3	8-12	2.0-2.9
4	13-18	3.0-3.9
5	19-24	4.0-4.9
6	25-31	5.0-5.9
7	32-38	6.0-6.9
8	39-46	7.0-7.9
9	47-54	8.0-8.9
10	55-63	9.0-9.9
11	64-75	10.0-10.9
12	Above 76	11.0 or above

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

LONDON OBSERVATIONS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	HUMIDITY %	
	Morning.	Afternoon.	Night.	24 HOURS ENDED 11h G.M.T. 14 TH						15h. G.M.T.	9h. G.M.T.
Greenwich (Royal Observatory)	o. c bc. b	b. bc. f	o. 2f.	66	42	36	-	6.6	63	96	
City (Dunhill Row)	-	-	-	-	-	-	-	5.1	-	-	
Westminster (St. James's Park)	-	-	-	-	-	-	-	4.9	-	-	
Camden Sq. (British Rainfall)	f b	b bc	-	64	45	42	-	76	99		
Kensington Palace	bc	b	-	64	43	37	-	95 (18h)	100		
Hampstead Observatory	-	-	-	62	46	-	Trace	-	98		

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.
 Total 612 Joules.
 Average Rate 18.9 Milli-watts.
 Maximum Rate 34.

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

Stations.	14 TH AND 15 TH OCTOBER 1920.	
	Sunrise. G.M.T.	Noon. G.M.T.
Yarmouth...	6.19	11.39
Greenwich	6.24	11.46
Wick	6.48	11.58
Valencia	7.2	12.27

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 1.8...h. 1.5...m.

to 5...h. 1.5...m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	11.0	8.5	73
8 Ursae Minoris	11.0	7.16	66

NOTES ON THE WEATHER OF YESTERDAY.

Some rain fell in the Southwest districts 12mm being measured at Valencia and 10mm at Pembroke. Sunshine was abundant in most localities, the highest records being 9.5 hours at Worthing and 9.0 hours at Weymouth. Temperature rose to above 60° almost everywhere and exceeded 65° at many of the Southern stations. Fog was again prevalent in many localities.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21512

FRIDAY, 15TH OCTOBER, 1920.

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

STATIONS	13H. G.M.T. OF 14 TH												18H. G.M.T. OF 14 TH															
	Barom. at M.S.L.	Change in 3 hours	Wind. Dir.	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. Dir.	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 ...	1014.2	-2	ENE	4	03f	59	85	3	3000	Scn	8	ACu	1	*	1013.9	0	ENE	3	03f	55	85	3	2700	Scn	7	ACu	2	*
Eskdalemuir ...	1014.3	-1	SE	2	0	60	65	7	5700	Scn	10	-	-	*	1014.4	-1	WNN	1	03f	52	85	5	-	Scn	6	ACu	3	*
Valencia (Cahire'n)	1005.9	0	S	5	01f	58	92	6	750	St.	10	-	-	4	1005.7	0	SSW	4	01f	56	92	6	750	St.	8	-	-	4
Baldonnell ...	1010.6	-1	-	0	01f	58	92	7	3000	St.	9	-	-	*	1010.2	0	-	0	01f	55	92	6	2000	St.	9	-	-	*
Manchester (Alex. Pk.)	1014.3	-2	SSE	4	02	63	85	7	4200	Scn	6	ACu	3	*	1013.6	-1	BSE	2	03f	57	85	2	2700	Scn	10	-	-	*
Ross on Wye ...	1014.4	-1	SE	2	0R	57	92	5	2000	CuN	8	Ci	1	*	1013.6	0	WSW	1	0R	56	92	6	2000	Nb	9	-	-	*
Falmouth ...	1013.6	0	SW	6	C	60	85	7	-	CuN	7	-	-	*	1013.3	0	SW	4	b1f	57	92	6	-	CuN	2	ACu	1	*
Calshot (Hants) ...	1015.7	-1	SW	4	C	62	85	8	5700	Cu	6	ACu	1	2	1015.2	0	SSW	3	0	59	97	8	4200	Scn	9	-	-	1
Lymington (Folkestone)	1016.3	-1	S	2	01f	60	85	6	1250	St.	9	-	-	*	1016.1	-1	SW	2	bmw	55	92	6	1250	St.	1	-	-	*
Aberdeen ...	1016.5	-1	S	1	03f	53	92	3	4500	St.	10	-	-	2	1016.0	0	SE	2	03f	52	92	3	4500	St.	10	-	-	2
Howden ...	1015.6	-2	ENE	1	CZ	64	75	5	3000	St.	2	Ci	5	*	1014.8	+1	SE	1	bc1f	55	85	4	4200	Cu	3	ACu	3	*
Cranwell (Lines)	1016.3	-2	SSE	2	bc	60	85	6	-	-	-	-	-	*	1015.4	0	BSE	2	b	55	85	5	5700	Scn	1	Ci	1	*
Felixstowe ...	1017.1	-1	SE	2	C2f	61	75	5	2000	Scn	5	ASr	2	0	1016.4	-1	S	2	C	56	92	7	2000	St.	7	-	-	*
Shoeburyness ...	1017.2	-2	SE	2	C	60	85	6	2000	Scn	5	ACu	2	*	1015.2	-2	-	0	C1f	56	85	5	2000	Scn	5	ACu	2	*
Benson ...	1014.3	-2	SSE	2	C	63	75	5	-	Cu	7	-	-	*	1014.6	0	SW	1	0	53	92	7	-	Cu	8	-	-	*
S. Farnborough ...	1015.4	-2	SSE	2	bc1f	63	75	6	4200	Cu	5	ACu	1	*	1015.4	0	-	0	C3f	55	92	2	1250	St.	5	Ci	3	*
London (New Obey.)	1015.5	-3	-	0	CZ	62	75	5	4200	Cu	6	Ci	1	*	1015.3	+1	-	0	03f	54	92	3	2000	Scn	7	ASr	3	*
Croydon ...	1016.5	0	SSW	1	01f	62	75	6	1250	Cu	7	-	-	*	1016.3	+1	SSW	1	bc2f	53	92	5	2000	CuN	3	ACu	1	*
Renfrew ...	1013.1	-2	NE	2	02f	51	85	5	-	St	10	-	-	*	1011.4	-1	E	5	02f	51	92	3	750	Nb	10	-	-	*
Eskdalemuir ...	1005.8	0	SSE	2	01f	54	85	6	-	St	10	-	-	6	1011.8	-1	NE	4	02f	48	97	4	750	St	8	ASr	2	3
Valencia (Cahire'n)	1008.8	-3	-	0	bc	54	85	6	3,000	St	6	-	-	*	1005.6	0	SW	2	0	54	97	7	750	St	9	-	-	*
Baldonnell ...	1008.8	-3	-	0	bc	54	85	6	3,000	St	6	-	-	*	1007.7	-1	-	0	0	50	97	8	2,000	St	9	-	-	*
Manchester (Alex. Pk.)	1010.6	-1	SE	2	01f	51	92	3	1,250	Nb	10	-	-	*	1010.6	-1	SE	2	01f	51	92	3	1,250	Nb	10	-	-	*
Ross on Wye ...	1010.9	0	SE	4	b	53	92	6	3,000	Scn	2	-	-	*	1010.9	0	SE	4	b	53	92	6	3,000	Scn	2	-	-	*
Falmouth ...	1010.5	-2	SW	5	0	56	97	6	-	St	2	-	-	*	1010.5	-2	SW	5	0	56	97	6	-	Nb	10	-	-	*
Calshot (Hants) ...	1012.4	-2	-	0	0	56	97	7	3,000	St	9	-	-	2	1012.4	-2	-	0	0	56	97	7	3,000	St	9	-	-	2
Lymington (Folkestone)	1015.3	-2	-	0	bc2f	54	97	6	1250	Nb	6	-	-	*	1013.5	-2	S	1	01f	53	97	5	1250	Nb	10	-	-	*
Aberdeen ...	1014.3	0	E	3	01f	50	92	4	750	Nb	10	-	-	3	1014.3	0	E	3	01f	50	92	4	750	Nb	10	-	-	3
Howden ...	1014.5	0	-	0	03f	50	97	2	4500	St	10	-	-	*	1014.5	0	-	0	03f	50	97	2	4500	St	10	-	-	*
Cranwell (Lines)	1015.5	0	SE	1	02f	50	97	4	1,250	Nb	10	-	-	*	1012.3	-1	SSE	1	05f	52	97	1	4500	St	10	-	-	*
Felixstowe ...	1005.3	-1	WSW	2	2fe	52	97	4	3,000	St	10	-	-	0	1013.6	-1	SW	2	bc2f	52	92	5	2,000	St	6	-	-	1
Shoeburyness ...	1012.8	-2	-	0	02fe	52	92	5	3,000	St	7	-	-	*	1012.8	-2	-	0	02fe	52	92	5	3,000	St	7	-	-	*
Benson ...	1011.2	-1	S	2	0	53	92	5	-	Cu	9	-	-	*	1011.2	-1	S	2	0	53	92	5	-	Cu	9	-	-	*
S. Farnborough ...	1012.5	-2	SSW	1	C2fe	58	97	5	4,200	St	7	ASr	1	*	1012.5	-2	SSW	1	C2fe	58	97	5	4,200	St	7	ASr	1	*
London (New Obey.)	1012.7	-1	SSE	1	cmw	53	97	4	2,000	St	7	-	-	*	1012.7	-1	SSE	1	cmw	53	97	4	2,000	St	7	-	-	*
Croydon ...	1013.0	-1	SSW	3	C2f	54	97	4	2,000	St	7	-	-	*	1013.0	-1	SSW	3	C2f	54	97	4	2,000	St	7	-	-	*
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																												
STATIONS	Barom. at M.S.L.	Temp. °F.	Wind. Dir.	Force 0-12	Weather	Barometer. at M.S.L.	Change in 3 hours	Temp. °F.	Change in 24 hours	Wind. Dir.	Force 0-12	Upper Cloud.	Weather	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	Sunshine Hours.							
	mb.					mb.																						
Lerwick ...	1016.1	50	-	0	C	1014.6	-1	47	-2	N	4	-	0	2	0.4	52	45	0	0	omf	4							
Stornoway ...	1014.2	50	E	1	bc2	1013.9	0	50	+1	E	4	-	CZ	3	-	55	49	0	bc2	bc, o, c	1.1							
Castlebay (Barra)	1012.7	57	E	3	0	1011.5	0	56	+1	NE	3	-	0	3	-	59	55	omo	0.60	omo	1.3							
Malin Head ...	1009.9	56	BSE	2	C	1008.0	0	53	-1	ESE	2	-	0mf	2	1	61	52	bc	C	bc, cm	4.3							
Blackod Point ...	1005.6	57	SE	2	C	1005.7	+1	54	-1	E	3	-	C	3	-	61	54	bc	C	bc, bc	*							
Roche's Point ...	1009.0	56	SSW	3	C	1007.5	0	55	-2	SW	1	-	C	3	3	60	54	ocp	ocpc	C, ofc	2.6							
Birt Castle ...	1007.6	56	SE	1	C	1006.6	-	54	-1	SE	1	-	↑	*	4	61	52	C	ch	C, ofc	2.6							
Donaghadee ...	1011.0	55	S	2	om	1010.0	0	54	-1	S	2	-	omf	2	8	59	54	bcm	cmf	omf	*							
Liverpool (Bidston)	1012.7	56	SE	2	↑	1009.3	-2	51	0	SE	3	-	om	2	2	60	51	bcm	cor	orf	2.6							
Holyhead ...	1011.6	56	SE	3	C	1008.1	-1	54	-1	SSE	2	-	SW	0	6	60	53	Cu	orpc	b, o, c	1.5							
Pembroke (St. Ann's Head)	1012.1	57	S	3	bcm	1009.3	-1	56	0	S	3	-																

* 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. 15.10.1920.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Cloudy, misty, local rain.	Indiff.	Slight
2. E. England	Fair to dull, mist or fog.	V. Poor	Smooth
3. E. Midlands	Dull, misty	Poor	-
4. W. Midlands	Variable sky.	Indiff.	-
5. S.W. England	Cloudy or dull.	Good.	Moderate
6. South Wales	Cloudy	"	"
7. North Wales	Dull.	"	Calm.
8. N.W. England	Dull, mist or fog.	V. Poor.	Smooth
9. N. Midlands	Dull, mist or fog.	"	-
10. N.E. England	Dull, drizzle, mist or fog	V. Poor	Smooth
11. E. Scotland	Dull local mist and slight rain	Poor	Smooth
12. S.W. Scotland	Dull, misty, local drizzle	"	"
13. Isle of Man	Dull, local mist.	"	"
14. N. & N.W. Scotland	Cloudy or dull, mist.	"	"
15. Hebrides	Cloudy or dull, slight mist	Fair	Slight
16. Orkneys and Shetlands	Dull.	Good	Smooth
17. N.W. Ireland	Cloudy	Slight	Slight
18. N.E. Ireland	Dull, misty, rainy.	Poor	Smooth
19. S.E. Ireland	Dull, rainy.	Good	Slight
20. S.W. Ireland	Cloudy or dull.	"	"

Temperature reported from Coastal and Cross Channel Steamers.

Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
7	15 th	0150	60	59
4A	15 th	0315	56	56
12	15 th	0301	54	54
5	15 th	0810	55	54

CHART OF POSITION NUMBERS and Upper Cloud



Isalobars.



Lower Cloud.



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

The depression off the West of Ireland will probably expand Eastward and maintain unsettled conditions during the next few days.

EXPLANATION.
 BARMETER.—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 feathers. Mean velocity is shown in per hour by figures in brackets.
 TEMPERATURE.—Isobars are shown at intervals of two degrees.
 WEATHER SYMBOLS.—
 ☉ clear sky.
 ☁ sky & clouded.
 ☂ overcast sky.
 * snow.
 * mist.
 ☁ fog.
 T thunder.
 SEA DISTURBANCE.—
 Rough
 High waves

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

1. S.E. England	Wind S or SW light to moderate, stronger at times; cloudy, local rain or showers, thundery tendency; visibility fair to good; mild.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	Wind SE or S light to moderate; cloudy to dull some rain; visibility indifferent to fair; moderate temperature.
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind Easterly, moderate, fresh at times; cloudy or dull, rain at times; visibility indifferent to fair, some mist; temperature moderate.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Wind N or NE light to moderate; dull, some rain; visibility fair; rather cold.
17. N.W. Ireland	
18. N.E. Ireland	Wind Easterly, moderate, fresh at times; cloudy or dull rain at times; visibility indifferent to fair, some mist; temperature moderate.
19. S.E. Ireland	
20. S.W. Ireland	

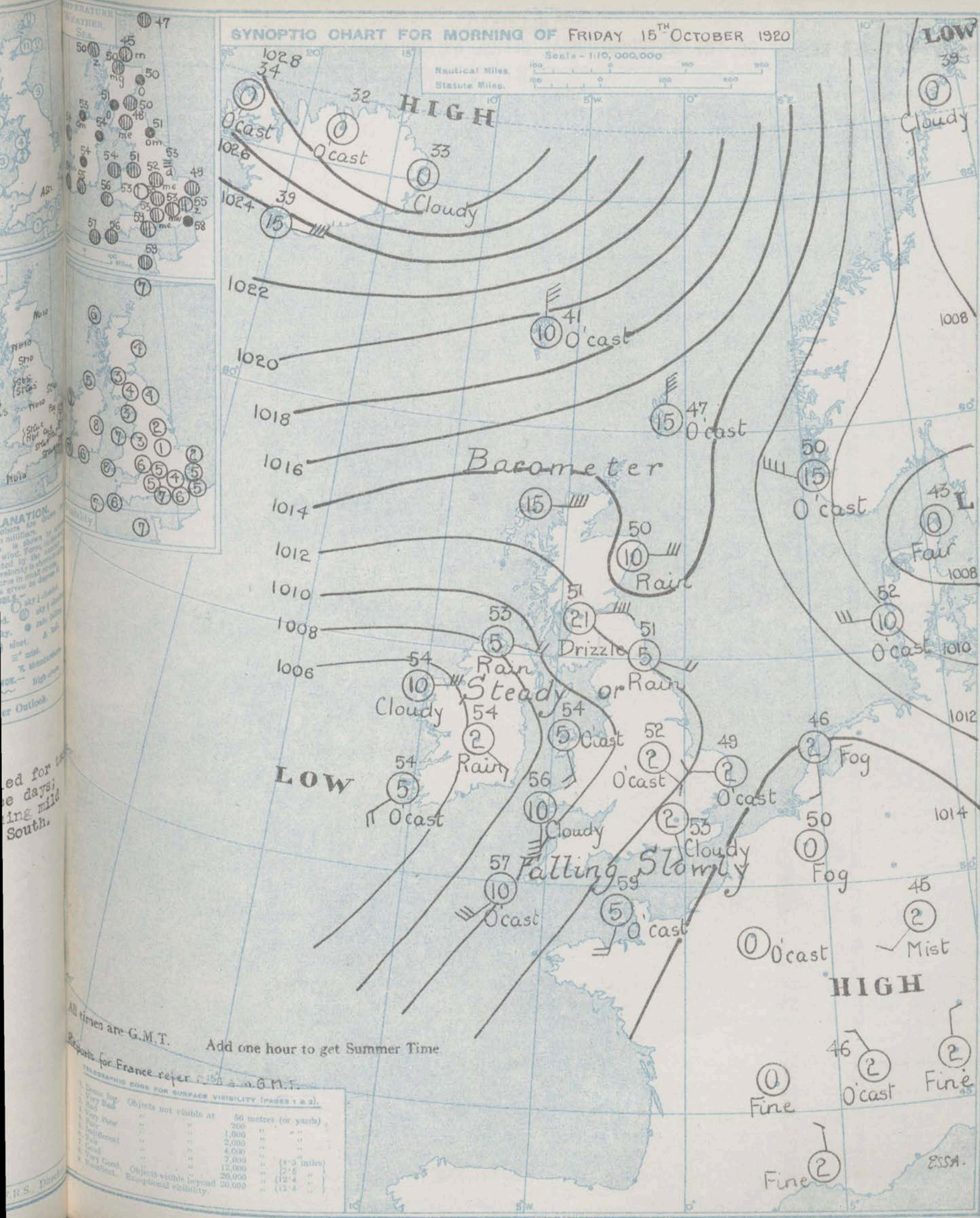
Farther Outlook.

Unsettled for two or three days; continuing mild in the South.

SYNOPTIC CHART FOR MORNING OF FRIDAY 15TH OCTOBER 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 France refer to 15th 1920 G.M.T.

TELEGRAPHIC CODES FOR SURFACE VISIBILITY (PAGES 1 & 2).

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No 289.

FRIDAY,
15TH OCTOBER

WEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 14 TH											
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-14h.	Day. 14h-17h.	to 17h. 13h-14h.	Sunrise to Sunset. 13h.		
Scotland.	Oban ...	bbe	co	63	58	-	-	3.6	2.9	England, N.W.	Douglas (I.O.M.)
	Banff ...	m.c	bc.com	55	39	-	-	0.6	8.6		Blackpool ...
	Montrose ...	of	of	53	47	-	-	0.0	6.2		Southport ...
	St. Andrews ...								0.4		Morecambe
England, N.E.	Harrogate ...	bz	bbe.b	60	46	-	-	5.0	4.1	Midlands.	Buxton ...
	Scarborough ...	b	b	61	46	-	-	2.4	4.4		Leamington Spa...
	Skegness ...	b	b	62	49	-	-	6.9	6.1		Malvern ...
	Lowestoft ...	bm	bbe	62	47	-	-	5.7	6.5		Bath ...
England, E.	Felixstowe ...	bef	cm	61	43	-	-	6.2	5.3	Wales.	Rhyl ...
	Southend-on-Sea...	m.w	com	61	46	0.1	-	2.0	4.4		Colwyn Bay ...
											Llandudno ...
											Aberystwyth ...
England, S.E.	Tunbridge Wells	omo	cbc	63	44	-	-	1.2	5.1	England, S.W.	Tenby ...
	Margate ...	cbe	bbe	61	44	-	-	3.4	5.0		Swansea ...
	Ramsgate ...			61	47	-	-	4.9	5.3		Weymouth ...
	Folkestone ...	b	b	65	50	-	-	2.7	3.1		Teignmouth ...
	Hastings ...	or.be	obe.b	64	50	0.4	-	4.7	7.5		Torquay ...
	Eastbourne ...	cbe	bc	64	46	1	-	6.4	8.4		Paignton ...
	Brighton ...	oc.be	bc	64	47	-	-	4.2	7.2		Penzance ...
	Worthing ...	oc.be	bc.b	65	49	-	-	4.5	9.3		Newquay ...
	Littlehampton ...	ocm	bc	63	47	-	-	5.8	8.0		Bude ...
	Portsmouth (S. base)			63	51	-	-	5.2	4.2		Ilfracombe ...
	Bournemouth ...			62	53	-	1	2.5	6.0		Weston-s-Mare ...
	Ventnor (I. of W.)			65	55	-	-	5.6	8.1		

SUMMARIES FOR PAST 24 HOURS.											
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUN.		BEAUFORT NOTATION.	
		7h-12h.	12h-18h.	Max. °F.	Min. °F.	Day. 7h-12h.	Night. 12h-18h.	Hours.	Hours.		
Renfrew ...	bec af	co 3f	o 3f	60	49	48	mm.	0.3	0.8	b blue sky (not more than a quarter covered).	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.
Eskdalemuir ...	bec af	co 3f	o 3f	60	43	46	-	1	3.5	bc sky partly cloudy (one half covered).	
Valencia (Cahire'n) ...	cor	cobecp	c o 3f	60	54	51	5	3	2.6	c generally cloudy (three quarters covered).	
Baldonnel ...	o 3f	co 3f	c o 3f	62	49	44	3+	2	1.3	d drizzle, or fine rain.	
Manchester (Alex. Pk) ...	co 3f	co 3f	co 3f	64	47	38	-	5	2.9	e wet air without rain falling.	
Ross on Wye ...	cobecp	cobecp	cobecp	62	50	44	3	2	2.9	f fog.	
Falmouth ...	co 3f	co 3f	co 3f	62	54	51	-	10	2.7	g gloom.	
Calshot (Hants) ...	co 3f	co 3f	co 3f	64	54	52	Trace	3	5.9	h hail.	
Lymington (Folkestone) ...	co 3f	co 3f	co 3f	61	50	41	-	5	2.8	i lightning.	
Aberdeen ...	co 3f	co 3f	co 3f	53	47	49	-	0.4	0.0	m mist.	
Howden ...	co 3f	co 3f	co 3f	65	47	45	-	1	6.2	n passing showers.	
Cranwell (Lincs) ...	co 3f	co 3f	co 3f	65	46	46	-	1	7.2	o overcast sky.	
Felixstowe ...	co 3f	co 3f	co 3f	62	52	52	-	6.4	6.4	p squalls.	
Shoeburyness ...	co 3f	co 3f	co 3f	61	49	39	0.1	-	2.1	r rain.	
Benson ...	co 3f	co 3f	co 3f	64	49	43	4	0.2	8	rs sleet, i.e., rain and snow together.	
S. Farnborough ...	co 3f	co 3f	co 3f	64	43	45	4	0.2	4.2	s snow.	
London (Kew Obs.) ...	co 3f	co 3f	co 3f	64	48	45	7	0.1	1.9	t thunder.	
Croydon ...	co 3f	co 3f	co 3f	63	45	45	0.2	0.4	8	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.	

LONDON OBSERVATIONS.											
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		HUMIDITY %	
		Morning.	Afternoon.	Max. °F.	Min. °F.	Day. 7h-12h.	Night. 12h-18h.	Hours.	Hours.	15 h. G.M.T.	9 h. G.M.T.
24 HOURS ENDED 24 H. G.M.T. 15 TH											
Greenwich (Royal Observatory)		o	af. ct. c	65	49	40	1	1.9	85	88	
City (Banhill Row)				64	51	43	1	0.4	70	82	
Westminster (St. James's Park)											
Camden Sq. (British Rainfall)		f. oc.	c. ct.	62	50	46	1	x	85	92	
Kensington Palace		bc	bc. af. t.	65	48	45	1	x	94 (18h)	88	
Hampstead Observatory				61	49	45	1	0.3	x	95	

SOUTH KENSINGTON (Meteorological Office).											
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		HUMIDITY %	
		Morning.	Afternoon.	Max. °F.	Min. °F.	Day. 7h-12h.	Night. 12h-18h.	Hours.	Hours.	15 h. G.M.T.	9 h. G.M.T.
Vertical Component of Solar Radiation per Square Centimetre during yesterday.											
Total 382 Joules.											
Average Rate 9.9 Milliwatts.											
Maximum Rate 2.9											

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell in nearly all parts of the Kingdom, the highest measurement being reported from Pembroke, 12mm. In the Southeast thundery conditions developed during the afternoon and night and there were heavy local showers. Sunshine was nowhere very abundant, the highest record being 7.2 hours at Cranwell.

Temperature again reached 65° at some of the Southern Stations.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21513

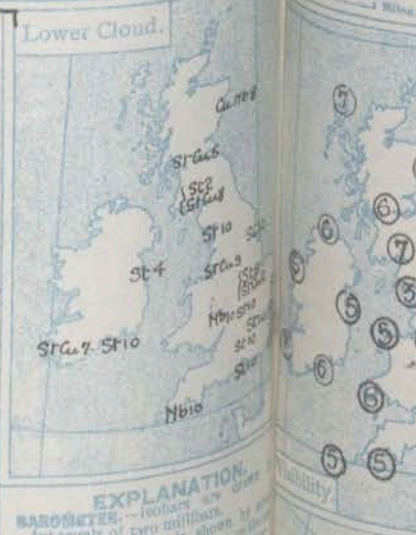
SATURDAY, 16TH OCTOBER 1920.

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

STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		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.		TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea				
			Direc.	Force 0-12.					Form.	Amt. 0-10.	Form.	Amt. 0-10.				0-9.	Direc.					Force 0-12.	Form.	Amt. 0-10.	Form.		Amt. 0-10.	0-9.		
13H. G.M.T. 15 TH														18H. G.M.T. OF 15 TH																
Renfrew ...	1011.5	0	NE	5	52	92	4	750	Sc	10	-	-	*	1012.0	+1	ENE	4	51	92	3	750	Nb	10	-	-	*				
Eskdalemuir ...	1011.4	0	NE	5	51	97	5	750	Nb	10	-	-	*	1011.5	+1	NE	4	49	97	4	750	Sc	10	-	-	*				
Valencia (Cahire'n)	1006.6	+1	SW	2	57	92	7	750	Sc	7	-	-	3	1006.5	0	SW	1	55	92	7	750	Sc	10	-	-	2				
Baldonnel ...	1007.4	-1	-	0	57	92	5	1250	Sc	10	-	-	*	1007.7	+1	-	0	54	97	1	1250	Sc	10	-	-	*				
Manchester (Alex. P.K.)	1009.6	-2	S	2	60	75	4	1250	Sc	6	Ac	1	*	1008.9	0	SE	1	53	92	2	1250	Nb	8	Ci	1	4				
Ross on Wye ...	1009.5	-2	SW	3	60	75	7	3000	Sc	3	Ac	2	*	1009.3	-1	SW	3	55	92	7	3000	Sc	7	-	-	*				
Falmouth ...	1010.3	-1	SW	3	60	85	6	-	Sc	2	Ci	5	*	1009.4	0	S	1	57	97	6	-	Sc	9	-	-	*				
Calshot (Hants) ...	1011.6	-1	SW	3	59	97	6	750	Nb	10	-	-	5	1011.1	0	SSW	1	57	97	7	1250	Sc	8	Ci	2	1				
Lympe (Folkestone)	1012.2	-3	SW	4	61	85	8	1250	Nb	6	Ac	3	*	1011.5	-1	SSW	2	53	92	5	750	Nb	5	Ac	1	*				
Aberdeen ...	1014.3	0	E	1	52	85	7	1250	Nb	10	-	-	3	1014.3	0	ENE	1	49	75	9	1250	Sc	10	-	-	3				
Howden ...	1010.3	-1	SE	1	56	92	5	2000	Sc	10	-	-	*	1009.7	0	E	1	54	92	4	750	Nb	10	-	-	*				
Cranwell (Lincoln)	1011.2	-1	S	2	58	85	7	1250	Sc	9	-	-	*	1010.0	-1	ENE	1	55	97	5	3000	Nb	10	-	-	*				
Felixstowe ...	1012.6	-1	SW	3	59	85	6	4200	Sc	6	-	-	1	1011.5	-0	WSW	3	57	85	6	5700	Sc	9	Ac	1	*				
Shoeburyness ...	1011.4	-1	W	1	61	75	6	4200	Sc	2	Ac	4	*	1010.7	-1	-	0	55	92	7	2000	Sc	8	-	-	*				
Benson ...	1012.2	-2	SW	3	60	85	6	-	Sc	10	-	-	*	1009.9	-1	SSW	2	55	92	7	-	Sc	10	-	-	*				
S. Farnborough	1011.3	-1	SW	2	60	85	6	1250	Nb	7	Ac	3	*	1010.7	-1	SW	2	54	92	5	750	Sc	7	Ac	3	*				
London (Kew Obs.)	1011.3	-1	SW	2	59	85	5	3000	Sc	7	Ac	3	*	1010.5	0	SW	1	57	85	5	3000	Sc	7	Ac	3	*				
Croydon ...	1012.2	-2	SW	3	60	85	7	2000	Sc	6	Ac	4	*	1011.6	0	SW	3	55	92	6	2000	Nb	8	Ac	2	*				
1H. G.M.T. OF 16 TH														7H. G.M.T. OF 16 TH																
Renfrew ...	1013.6	+2	NE	4	46	92	6	-	-	-	-	-	*	1014.5	+2	ENE	5	48	85	6	2,000	Sc	5/0	-	-	*				
Eskdalemuir ...	1014.5	+1	NE	3	45	92	7	2,000	Sc	10	-	-	*	1014.5	+1	NE	3	45	92	7	2,000	Sc	10	-	-	*				
Valencia (Cahire'n)	1007.7	0	-	0	52	*	*	*	*	*	*	*	1	1006.8	0	ENE	2	50	97	5	3,000	Sc	7	-	-	3				
Baldonnel ...	1008.6	0	-	0	54	97	2	750	Sc	10	-	-	*	1009.0	+1	-	0	51	92	5	1,250	Sc	4	-	-	*				
Manchester (Alex. P.K.)	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.7	+1	ENE	4	54	85	4	3,000	Sc	9	-	-	*				
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.1	0	ENE	1	54	97	2	4,500	Nb	10	-	-	*				
Falmouth ...	1007.2	-2	ESE	3	56	92	5	-	Nb	10	-	-	*	1008.5	0	ESE	3	57	97	5	-	Nb	10	-	-	*				
Calshot (Hants) ...	1010.1	0	-	0	55	97	4	2,000	Sc	3	-	-	1	1009.5	0	ESE	3	56	97	2	1,250	Sc	10	-	-	2				
Lympe (Folkestone)	1011.2	0	-	0	52	97	7	1,250	Sc	9	-	-	*	1010.7	0	NNE	1	52	97	1	1,250	Sc	10	-	-	*				
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1016.6	+1	N	2	44	75	8	3,000	Sc	8	-	-	3				
Howden ...	1010.8	+1	-	0	52	97	3	750	Nb	10	-	-	*	1012.3	+2	NE	4	52	97	5	4,500	Sc	10	-	-	*				
Cranwell (Lincoln)	1010.6	0	-	0	52	97	4	1,250	Nb	10	-	-	*	1011.2	+1	NE	1	51	97	4	750	Sc	10	-	-	*				
Felixstowe ...	1011.5	0	WSW	2	55	92	5	2,000	Sc	9	-	-	1	1011.3	0	NW	2	53	97	4	3,000	Sc	8	Ci	1	1				
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.4	0	-	0	53	92	5	3,000	Sc	6	Ac	2	*				
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.4	+1	-	0	53	92	2	-	Sc	10	-	-	*				
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.0	0	ESE	2	53	97	1	750	Sc	10	-	-	*				
London (Kew Obs.)	1010.4	0	*	*	54	*	*	*	*	*	*	*	*	1010.5	+1	WSW	1	55	97	3	750	Sc	10	-	-	*				
Croydon ...	1011.0	-1	SSW	3	54	97	5	1,250	Nb	7	Ac	3	*	1011.3	+1	-	0	54	97	4	750	Sc	10	-	-	*				
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																														
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		WEATHER.	BAROMETER.		TEMPERATURE.		WIND.		DIREC. of Upper Cloud.	WEATHER.	SEA	RAINFALL mm.	TEMP.		WEATHER.			SUNSHINE Hours.									
			Direc.	Force 0-12.		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.										
12H. G.M.T. OF 15 TH														7H. G.M.T. OF 16 TH														24 HOURS ENDED 7H. 16 TH		15 TH
Lerwick ...	1015.8	43	NNE	5	C	1018.0	+3	46	-1	NE	5	-	bc	3	1	48	43	0	omp	omp	omp	7.7								
Stornoway ...	1014.9	49	E	4	C	1016.2	+1	46	-4	E	3	-	c	2	-	55	45	cb	bcc	bcc	0.6									
Castell Bay (Barca's)	1012.3	54	NE	4	0	1014.3	+1	51	?	E	3	-	c	3	0.2	56	51	odp	odp	odp	0.0									
Malin Head ...	1009.2	54	E	3	om	1010.9	0	52	-1	E	4	-	om	4	1	55	51	om	om	om	0.0									
Blackod Point ...	1006.0	56	NE	2	bc	1007.8	+1	54	0	ENE	2	-	cm	3	-	59	53	bc	bc	bc	0.0									
Roche's Point ...	1007.7	56	SW	2	b	1007.4	0	55	0	SSE	2	-	0	3	2	61	50	opc	cpb	b.a	0.0									
Birr Castle ...	1006.4	57	W	1	0	1007.6	*	49	-5	-	0	-	m	5	5	59	49	cpo	c.o.	of. ag.	0.0									
Donaghadee ...	1010.3	54	E	3	omr	1011.1	+2	52	-2	ESE	5	-	omq	5	5	56	52	cm	omp	omq	0.0									
Liverpool (Bidston)	1009.7	53	SE	1	0	1010.3	+1	52	+1	ESE	2	-	om	2	3	59	51	ocm	p.bco	om	1.0									
Holyhead ...	1009.2	55	S	2	dp	1009.0	0	52	-2	S	4	-	bm	2	4	59	52	cp	opc	cpb	1.2									
Pembroke (St. Mary's)	1009.0	56	S	2	0	1007.6	-1	55	-1	ESE	3	-	odp	3	2	59	55	c	c	odp	4.2									
Seilly (St. Mary's)	1009.6	57	-	0	0	1004.4	-2	57	0	SE	3	-	rm	4	31	60	56	ocm	co	of. om	1.0									
Jersey (St. Aubin)	1010.9	61	S	2	0	1007.5	-1	59	0	ESE	4	-	0	3	-	63	57	oc	co	0	0.2									
Portland Bill ...	1010.5	60	SSW	3	0	1007.8	-4	59	0	E	5	-	ot	4	5	62	56	cro	po	o. ot	0.0									
Dungeness ...	1011.1	57	SW	2	r	1010.1	-1	51	-7	N	1	W	c	2	14	62	51	crc	cor	wt. etc	0.0									
Wick ...	1014.5	47	NNE	2	C	1016.8	+2	47	+2	NE	3	-	bc	2	0.4	52	44	cm	cp	bef. ag.	0.0									
Nairn ...	1014.0	51	E	1	C	1016.6	0	42	-8	-	0	-	cg	1	0.3	53	40	ocg	cg	cg	0.0									
Leith ...	1011.7	52	E	2	0	1014.7	+1	49	-1	ENE	4	-	0	3	1	53	48	odp	odm	og. u.o	0.0									
Tynemouth ...	1011.3	52	E	3	om	1013.6	+1	50	-1	E	3	-	ov	3	2	53	50	om	om	om	0.0									
Spurn Head ...	1010.4	55	SE	2	omr	1010.9	0	53	0	ENE	4	-	om	2	4	58	51	ofm	omr	omr	0.0									
Yarmouth (Gor. Island)	1010.7	56	-	0	0	1010.7	0	47	-2	NW	2	-	of	1	0.2	61	44	ofc	com	batl. f.	0.0									
Clacton-on-Sea	1010.3	55	SW	3	0	1010.4																								

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 16.10.20.

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	Dull, mist or fog.	Bad	Smooth	3	15 th	0925	57	57
2. E. England	Dull, mist or fog.	V. Poor	V. Smooth	2	16 th	0105	57	57
3. E. Midlands	Dull, misty.	Poor	-	4A	16 th	0245	57	55
4. W. Midlands	Dull, local rain & fog.	"	-	12	16 th	0303	53	?
5. S.W. England	Dull, rainy, local mist	Indiff	Moderate					
6. South Wales	Dull, drizzle showers	Fair	Slight					
7. North Wales	Fine to cloudy, misty	Indiff	Smooth					
8. N.W. England	Dull, mist or fog.	Poor	Slight					
9. N. Midlands	Dull, local mist.	Indiff	-					
10. N.E. England	Dull.	V. Good	Smooth					
11. E. Scotland	Cloudy or dull.	"	Slight					
12. S.W. Scotland	Dull.	Good	Mod.					
13. Isle of Man	Dull, misty.	Indiff	Var.					
14. N. & N.W. Scotland	Fair to dull.	Fair	Smooth					
15. Hebrides	Cloudy.	Good	Slight					
16. Orkneys and Shetlands	Fair.	"	"					
17. N.W. Ireland	Cloudy, slight mist.	Fair	"					
18. N.E. Ireland	Dull, misty.	Indiff	Mod.					
19. S.E. Ireland	Fair to cloudy, local mist	"	Slight					
20. S.W. Ireland	Cloudy or dull.	Fair	"					



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

The depression off our Southwest coasts is increasing in intensity without much change in position. Winds will be generally from some Easterly point and weather is likely to continue unsettled with rain at times in the South.

EXPLANATION
 BAROMETER. - Isolobars are drawn at intervals of two millibars.
 WIND. - Direction is shown by the arrow flying with the wind. Force is indicated by the number of feathers. Force in knots is given in figures in small circles per hour by figures in small circles.
 TEMPERATURE. - Isotherms are drawn at intervals of 1° F.
 WEATHER SYMBOLS. -
 ☉ clear sky. ☁ sky & cloud. ☁☁ overcast sky. ☁☁☁ thick overcast sky. * snow. * sleet. ☁☁☁ fog. ☁☁☁ thunder. SEA DISTURBANCES. - Rough. Further Outlook.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 16th October, 1920
1. S.E. England 2. E. England 3. E. Midlands	Wind E or SE light or moderate; dull, some rain; visibility poor to fair, some mist or fog; temperature moderate.
4. W. Midlands 5. S.W. England 6. South Wales	Wind Easterly, moderate, fresh at times; rainy; visibility indifferent, some mist or fog; temperature moderate.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind Easterly, moderate or fresh, strong at times; cloudy, occasional showers, brighter intervals; visibility fair to good; temperature moderate to rather cool.
19. S.E. Ireland 20. S.W. Ireland	Wind E or NE light to moderate; cloudy, occasional showers; visibility fair; temperature moderate to rather cool.

Winds Easterly or Southeasterly rain at times in the South, fair in the North.

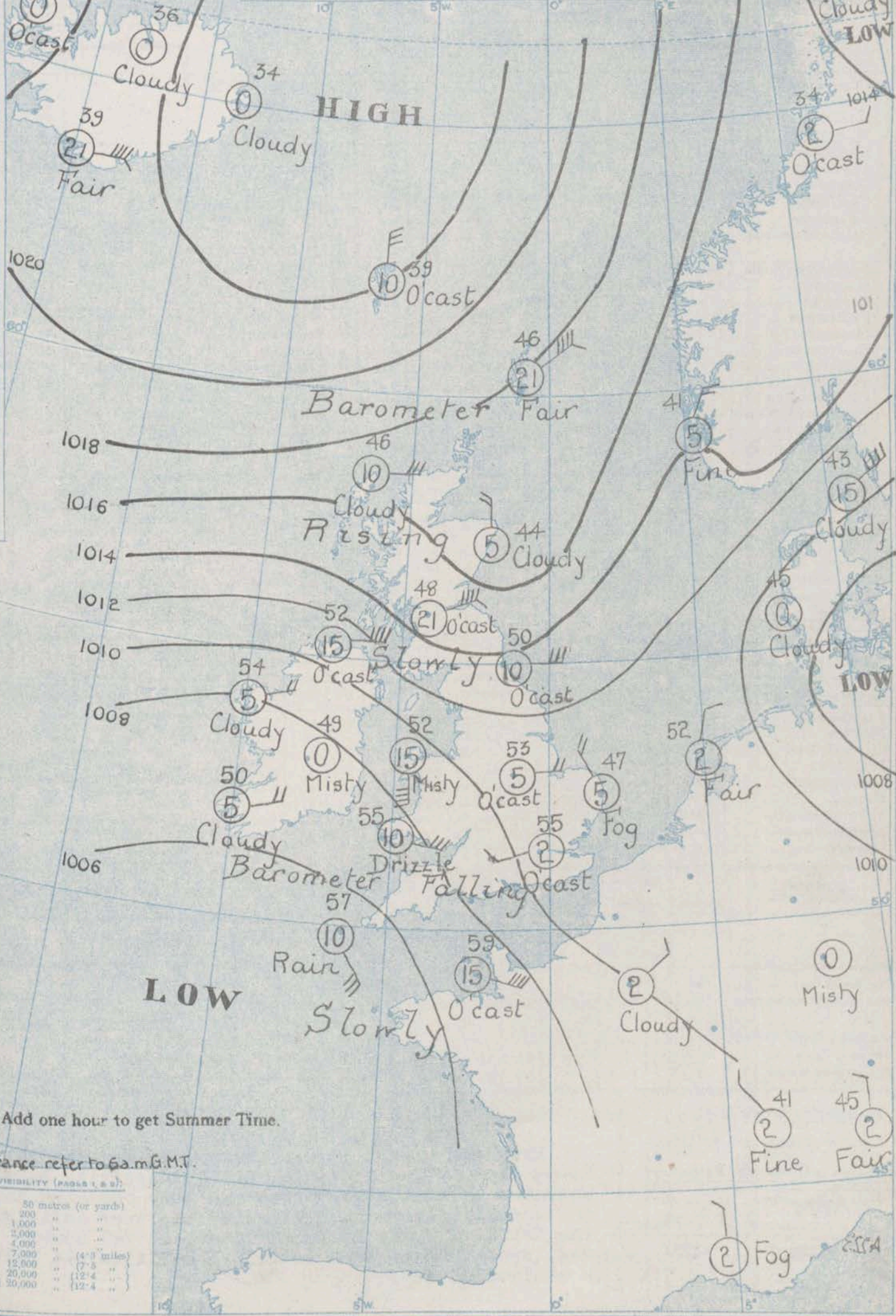
42 / 1020

15 / 1022

Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200



Add one hour to get Summer Time.

Objects not visible at _____

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No 299.

SATURDAY
16TH OCTOBER

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 15 TH																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 14"-15"	Day. 9h-17h. 15"	to 17h. 15"	Sunrise to Sun- set. 1-7"			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 14"-15"	Day. 9h-17h. 15"	to 17h. 15"	Sunrise to Sun- set. 1-7"
Scotland.	Oban	or	oc	57	53	-	3	0.2	3.6	England, N.W.	Douglas (I.O.M.)								
	Banff	c	o	53	50	-	-	0.0	0.6		Blackpool	ro	cpt	60	51	7	1	1.0	2.7
	Montrose	of	of	52	49	0.2	1	0.0	0.0		Southport	oc	core	58	51	2	1	0.3	2.0
	St. Andrews	c	m	52	50	-	-	0.0	?		Morecambe	-	-	56	52	4	4	0.0	3.3
England, N.E.	Harrogate	amd	amd.r	58	49	9	0.2	0.0	5.0	Midlands.	Buxton								
	Scarborough	o	o	59	50	4	-	0.0	2.4		Leamington Spa...	c.b	orc b	61	49	1	9	1.7	?
	Skegness	o	o	60	52	-	-	0.7	6.9		Malvern	c	c	60	50	0.4	1	?	?
England, E.	Lowestoft	ebcm	becmf	61	50	-	-	1.0	5.7	Wales.	Bath	obcp	or	59	49	1	4	0.5	1.4
	Felixstowe	bm	og	61	53	-	-	2.1	6.2		Rhyl	bc p	pc	60	54	1	1	1.4	3.9
	Southend-on-Sea...	ap.bc	oro	64	51	2	8	2.2	2.0		Colwyn Bay	-	-	59	53	2	1	0.2	4.1
England, S.E.	Tunbridge Wells	co	ortl	63	50	3	13	2.4	1.2	England, S.W.	Llandudno	*	*	59	52	3	2	1.3	3.4
	Margate	apbc	bceor	64	53	0.1	0.4	2.8	3.4		Aberystwyth	roc	cro	59	54	9	1	1.7	1.0
	Ramsgate	*	*	63	50	0.2	2	2.6	4.9		Tenby	-	-	62	56	4	-	1.7	2.6
	Folkestone	pbc	bco	66	53	5	3	0.0	2.7		Swansea	-	-	62	56	4	-	1.7	2.6
	Hastings	bc o	cor	63	54	11	9	0.9	4.7		Weymouth	copr	rc	61	56	1	15	0.0	?
	Eastbourne	co	oror	61	54	6	17	1.9	6.4		Teignmouth	oroc	o	62	56	4	7	0.0	0.1
	Brighton	cp	or	62	56	5	8	1.7	4.2		Torquay	orfo	c.bc	61	57	5	7	0.2	1.3
	Worthing	oc	or	61	56	8	9	0.1	4.5		Paignton	or	ep.bcc	62	52	7	2	0.4	5.0
	Littlehampton	oc	r	61	57	5	16	0.5	5.8		Penzance	orc	cpo	63	59	17	1	1.2	5.0
	Portsmouth (S. Sea)	or	or	61	55	2	17	0.5	5.2		Newquay	oco	obc	63	53	11	-	1.9	3.5
	Bournemouth	*	*	?	?	3	30	?	2.5		Bude	p	p	60	53	8	5	0.0	3.6
	Ventnor (I. of W.)	*	*	64	54	4	6	0.5	5.6		Ilfracombe	cor	ro	59	54	-	13	0.0	0.9
											Weston-s-Mare	beer	rc	59	52	20	11	0.1	0.9

SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.		THE BEAUFORT SCALE OF WIND FORCE.	
STATIONS.		WEATHER.				Max. Temp. F.		Min. Temp. F.		Rainfall.		Limits of Velocity at about 30 feet above ground.	
		7h-15h.	15h-18h.	18h-15h.	1h-7h.	Temp. F.	Temp. F.	Temp. F.	Temp. F.	Day. 7h-15h.	Night. 15h-7h.	No.	Statute miles per hour.
Renfrew ...	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	53	47	46	46	0.1	0.4	0	Less than 1
Esksdalemuir ...	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	52	45	44	44	3	0.2	1	1-3
Valencia (Cahire'n)	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	58	49	46	46	-	-	2	4-7
Baldonnel ...	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	58	50	45	45	1	Trace	3	8-12
Manchester (Alex. PK)	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	60	50	41	41	1	-	4	10-15
Ross on Wye...	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	60	47	44	44	2	2.4	5	16-20
Falmouth ...	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	61	55	54	54	1	1.5	6	21-25
Calshot (Hants)...	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	61	55	53	53	15	0.1	7	26-31
Lympne (Folkestone)	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	62	51	43	43	6	1	8	32-38
Aberdeen ...	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	52	42	36	36	3	2	9	39-46
Howden ...	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	58	37	37	37	20	0.1	10	47-54
Cranwell (Lincs) ...	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	63	51	48	48	?	?	11	55-63
Felixstowe ...	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	62	52	4	4	1	2.1	12	64-75
Shoeburyness ...	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	63	51	46	46	4	0.1	13	76-87
Benson ...	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	61	52	50	50	0.1	3	14	88-101
S. Farnborough ...	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	60	52	49	49	1	Trace	15	102-117
London (Kew Obs.)	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	61	53	49	49	1	2	16	118-139
Croydon ...	...	oxt.pd.	oxt.pd.	oxt.pd.	oxt.pd.	61	53	4	4	1	0.2	17	140-159

LONDON. OBSERVATIONS.		WEATHER.			Max. Temp. °F.	Min. Temp. °F.	Min. on Glass. °F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.		
		Morning.	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.				
24 HOURS ENDED 9H G.M.T. 16 TH									YESTERDAY.	TO-DAY.	16 TH AND 17 TH OCTOBER 1920.				
											Vertical Component of Solar Radiation per Square Centimetre during yesterday.		Stations.		
													Sunrise.		
													Noon.		
													G.M.T.		
Greenwich (Royal Observatory)	c	c. o	oxt.pd.	62	52	48	2	2.8	89	92			G.M.T.		
City (Bunhill Row)	*	*	*	*	*	*	*	1.4	*	*			G.M.T.		
Westminster (St. James's Park)	*	*	*	62	53	47	6	2.3	82	90			G.M.T.		
Camden Sq. (British Rainfall)			*			*		*					G.M.T.		
Kensington Palace	bc.c	c. od	*	62	51	50	6	*	86 (10h)	97			G.M.T.		
Hampstead Observatory	*	*	*	60	52	50	3	1.9	*	96			G.M.T.		
											Total 393 Joules.		Yarmouth...		
											Milliwatts.		Greenwich		
											Average Rate. 10.2		Wick		
											Maximum Rate. 36		Valencia		

Photographic Record of				NOTES ON THE WEATHER OF YESTERDAY.			
Pole Star (Polaris) and of δ Ursae				Rain again fell almost everywhere and the falls were very heavy locally in the South, Seilly receiving 31 mm and Bournemouth 30mm. Thunderstorms were reported in the Southeast and locally elsewhere. Sunshine was very deficient except in the Hebrides where Stornoway recorded 7.7 hours. Temperature was lower than of late in most localities but Folkestone had a maximum of 66° .			
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	11	0	1	17	12		
Minoris	11	0	0	11	2		

LONDON:

1920.

TEMPERATURE

Max. Min.

°F. °F.

59 50

68 54

73 57

75 61

77 64

75 66

72 57

84 66

81 63

Weather.

Sea

0-8

0-8

0-8

0-8

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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21,51+

...SUNDAY, 17th OCTOBER, 1920.

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

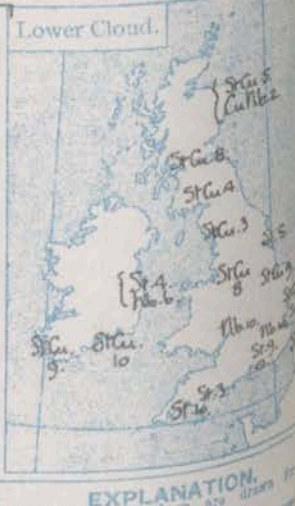
STATIONS	OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1N, 7N, 15N AND 18N.																												
	BAROM.		WIND.		WEATHER	TEMP.		HUMIDITY	VISIBILITY	HEIGHT OF LOW CLOUD.	LOW CLOUD.		UPPER CLOUD.		SEA	BAROM.		CHANGE IN 3 HOURS.	WIND.		TEMP.	HUMIDITY	VISIBILITY	HEIGHT OF LOW CLOUD.	LOW CLOUD.		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.
13H. G.M.T. 16TH																													
Renfrew ...	1015.9	0	ENE	5	C	50	75	7	1250	ScCu	6	ACu	1	*	1016.8	+1	SNE	3	C	46	75	5	4200	ScCu	9	-	-	*	
Eskdalemuir ...	1015.7	0	NE	4	O	47	85	8	2000	Sc	9	-	-	*	1016.5	+1	NE	3	O	43	85	5	-	ScCu	10	-	-	*	
Valencia (Cahre's)	1007.7	0	ENE	2	O	59	75	9	4200	ScCu	9	-	-	2	1008.9	+2	N	3	C	57	85	9	2000	ScCu	9	-	-	2	
Baldonnel ...	1010.2	+1	E	2	Oz	57	85	5	2000	ScCu	8	ACu	1	*	1010.8	+1	ESE	3	Oz	55	85	4	750	Sc	6	ASr	4	*	
Manchester (M.S.P.)	1012.4	+1	ENE	5	Oz	54	75	6	2000	ScCu	10	-	-	*	1013.2	+2	ENE	5	Oz	51	75	5	3000	ScCu	9	ASr	1	*	
Ross on Wye ...	1010.3	0	E	3	Oz	54	97	5	1250	Nb	10	-	-	*	1010.5	0	E	3	Oz	53	92	4	750	Nb	10	-	-	*	
Falmouth ...	1005.3	-1	E	3	Oz	59	92	4	-	Nb	10	-	-	*	1005.6	0	ENE	5	Oz	58	92	4	-	ScCu	10	-	-	*	
Calshot (Hants) ...	1009.3	-1	E	4	Oz	59	92	7	2000	Sc	10	-	-	3	1009.4	0	E	3	Oz	58	97	7	2000	Sc	10	-	-	3	
Lympe (Folkestone)	1010.3	-1	E	2	Oz	60	85	6	2000	ScCu	2	ACu	7	*	1011.0	+1	NNE	2	Oz	54	92	5	4200	ScCu	9	-	-	*	
Aberdeen ...	1017.6	0	NNE	3	b	52	45	8	3000	Sc	3	-	-	3	1018.0	+1	NE	3	C	46	85	8	3000	Sc	7	-	-	3	
Howden ...	1013.6	+1	ENE	4	O	55	75	8	3000	ScCu	6	ACu	3	*	1014.7	+2	NNE	2	C	46	97	7	4200	ScCu	3	Cl	3	*	
Cranwell (Lincs) ...	1012.9	+1	NE	3	Oz	52	92	5	750	Nb	10	-	-	4	1013.8	+1	NE	3	O	51	92	7	3000	ScCu	10	-	-	4	
Felixstowe ...	1011.6	0	-	0	Oz	60	75	6	7500	Sc	6	ACu	1	*	1012.1	+1	NE	3	b	55	92	6	2000	ScCu	3	Cl	1	*	
Shoeburyness ...	1011.0	+1	E	1	b	58	75	7	3000	ScCu	4	ACu	2	*	1011.2	0	E	1	CW	53	85	7	3000	ScCu	5	ACu	3	*	
Benson ...	1010.3	0	NE	1	O	57	85	4	-	Nb	10	-	-	*	1010.3	0	NNE	1	?	54	92	4	-	Nb	10	-	-	*	
S. Farnborough ...	1010.0	-1	ENE	3	Oz	59	85	4	1250	Sc	10	-	-	*	1010.3	0	N	1	Oz	56	92	3	1250	Sc	10	-	-	*	
London (Kew Obs.)	1010.3	-1	E	2	Oz	59	85	4	1250	Sc	10	-	-	*	1010.8	+2	ENE	3	Oz	58	92	4	1250	ScCu	10	-	-	*	
Croydon ...	1011.4	0	ENE	2	Oz	59	85	5	1250	Sc	10	-	-	*	1011.4	+1	E	3	Oz	55	92	3	2000	Sc	10	-	-	*	
17TH																													
Renfrew ...	1018.0	+1	NNE	2	C	37	85	8	-	ScCu	7	-	-	*	1018.6	+1	-	0	Oz	43	92	7	4200	ScCu	8	Cl	1	*	
Eskdalemuir ...	1018.0	+1	NNE	2	C	37	85	8	-	ScCu	7	-	-	*	1018.6	+1	-	0	Oz	43	92	7	4200	ScCu	8	Cl	1	*	
Valencia (Cahre's)	1010.3	+2	N	3	b	55	85	4	1250	Sc	10	-	-	6	1014.1	+4	NE	2	O	54	85	8	4200	ScCu	4	Cl	3	*	
Baldonnel ...	1013.6	+2	ESE	4	Oz	52	85	4	1250	Sc	10	-	-	*	1015.0	+2	NE	1	Oz	59	92	4	750	Nb	10	-	-	2	
Manchester (M.S.P.)	1012.4	+1	ENE	5	Oz	54	75	6	2000	ScCu	10	-	-	*	1013.2	+2	ENE	5	Oz	51	75	5	3000	ScCu	9	ASr	1	*	
Ross on Wye ...	1010.3	-1	E	3	Oz	54	97	5	1250	Nb	10	-	-	*	1010.5	0	E	3	Oz	53	92	4	750	Nb	10	-	-	*	
Falmouth ...	1005.3	-1	E	3	Oz	59	92	4	-	Nb	10	-	-	*	1005.6	0	ENE	5	Oz	58	92	4	-	ScCu	10	-	-	*	
Calshot (Hants) ...	1009.3	-1	E	4	Oz	59	92	7	2000	Sc	10	-	-	3	1009.4	0	E	3	Oz	58	97	7	2000	Sc	10	-	-	3	
Lympe (Folkestone)	1010.3	-1	E	2	Oz	60	85	6	2000	ScCu	2	ACu	7	*	1011.0	+1	NNE	2	Oz	54	92	5	4200	ScCu	9	-	-	*	
Aberdeen ...	1017.6	0	NNE	3	b	52	45	8	3000	Sc	3	-	-	3	1018.0	+1	NE	3	C	46	85	8	3000	Sc	7	-	-	3	
Howden ...	1013.6	+1	ENE	4	O	55	75	8	3000	ScCu	6	ACu	3	*	1014.7	+2	NNE	2	C	46	97	7	4200	ScCu	3	Cl	3	*	
Cranwell (Lincs) ...	1012.9	+1	NE	3	Oz	52	92	5	750	Nb	10	-	-	4	1013.8	+1	NE	3	O	51	92	7	3000	ScCu	10	-	-	4	
Felixstowe ...	1011.6	0	-	0	Oz	60	75	6	7500	Sc	6	ACu	1	*	1012.1	+1	NE	3	b	55	92	6	2000	ScCu	3	Cl	1	*	
Shoeburyness ...	1011.0	+1	E	1	b	58	75	7	3000	ScCu	4	ACu	2	*	1011.2	0	E	1	CW	53	85	7	3000	ScCu	5	ACu	3	*	
Benson ...	1010.3	0	NE	1	O	57	85	4	-	Nb	10	-	-	*	1010.3	0	NNE	1	?	54	92	4	-	Nb	10	-	-	*	
S. Farnborough ...	1010.0	-1	ENE	3	Oz	59	85	4	1250	Sc	10	-	-	*	1010.3	0	N	1	Oz	56	92	3	1250	Sc	10	-	-	*	
London (Kew Obs.)	1010.3	-1	E	2	Oz	59	85	4	1250	Sc	10	-	-	*	1010.8	+2	ENE	3	Oz	58	92	4	1250	ScCu	10	-	-	*	
Croydon ...	1011.4	0	ENE	2	Oz	59	85	5	1250	Sc	10	-	-	*	1011.4	+1	E	3	Oz	55	92	3	2000	Sc	10	-	-	*	
17TH																													
Renfrew ...	1018.0	+1	NNE	2	C	37	85	8	-	ScCu	7	-	-	*	1018.6	+1	-	0	Oz	43	92	7	4200	ScCu	8	Cl	1	*	
Eskdalemuir ...	1018.0	+1	NNE	2	C	37	85	8	-	ScCu	7	-	-	*	1018.6	+1	-	0	Oz	43	92	7	4200	ScCu	8	Cl	1	*	
Valencia (Cahre's)	1010.3	+2	N	3	b	55	85	4	1250	Sc	10	-	-	6	1014.1	+4	NE	2	O	54	85	8	4200	ScCu	4	Cl	3	*	
Baldonnel ...	1013.6	+2	ESE	4	Oz	52	85	4	1250	Sc	10	-	-	*	1015.0	+2	NE	1	Oz	59	92	4	750	Nb	10	-	-	2	
Manchester (M.S.P.)	1012.4	+1	ENE	5	Oz	54	75	6	2000	ScCu	10	-	-	*	1013.2	+2	ENE	5	Oz	51	75	5	3000	ScCu	9	ASr	1	*	
Ross on Wye ...	1010.3	-1	E	3	Oz	54	97	5	1250	Nb	10	-	-	*	1010.5	0	E	3	Oz	53	92	4	750	Nb	10	-	-	*	
Falmouth ...	1005.3	-1	E	3	Oz	59	92	4	-	Nb	10	-	-	*	1005.6	0	ENE	5	Oz	58	92	4	-	ScCu	10	-	-	*	
Calshot (Hants) ...	1009.3	-1	E	4	Oz	59	92	7	2000	Sc	10	-	-	3	1009.4	0	E	3	Oz	58	97	7	2000	Sc	10	-	-	3	
Lympe (Folkestone)	1010.3	-1	E	2	Oz	60	85	6	2000	ScCu	2	ACu	7	*	1011.0	+1	NNE	2	Oz	54	92	5	4200	ScCu	9	-	-	*	
Aberdeen ...	1017.6	0	NNE	3	b	52	45	8	3000	Sc	3	-	-	3	1018.0	+1	NE	3	C	46	85	8	3000	Sc	7	-	-	3	
Howden ...	1013.6	+1	ENE	4	O	55	75	8	3000	ScCu	6	ACu	3	*	1014.7	+2	NNE	2	C	46	97	7	4200	ScCu	3	Cl	3	*	
Cranwell (Lincs) ...	1012.9	+1	NE	3	Oz	52	92	5	750	Nb	10	-	-	4	1013.8	+1	NE	3	O	51	92	7	3000	ScCu	10	-	-	4	
Felixstowe ...	1011.6	0	-	0	Oz	60	75	6	7500	Sc	6	ACu	1	*	1012.1	+1	NE	3	b	55	92	6	2000	ScCu	3	Cl	1	*	
Shoeburyness ...	1011.0	+1	E	1	b	58	75	7	3000	ScCu	4	ACu	2	*	1011.2	0	E	1	CW	53	85	7	3000	ScCu	5	ACu	3	*	
Benson ...	1010.3	0	NE	1	O	57	85	4	-	Nb	10	-	-	*	10														

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 17.10.20.

Temperature reported from Coastal and Cross Channel Steamers

CHART OF POSITION NUMBERS and Upper Cloud

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number	Date	Time G.M.T.	Sea ° F.	Air ° F.
1. S.E. England	Cloudy, misty, local rain.	Indif.	Slight	5	16 th	0800	55	52
2. E. England	Dull to cloudy.	Good.	Mod.	1	16 th	1125	60	61
3. E. Midlands	Dull, some rain.	Good.	-	3	16 th	0925	57	56
4. W. Midlands	Dull, some rain.	Good.	-	6	16 th	1410	60	63
5. S.W. England	Dull.	Fair.	Slight	7	17 th	0155	60	59
6. South Wales	Dull, gloomy.	V.Good	Slight	4A	17 th	0345	56	50
7. North Wales	Dull, squally, showery.	Good.	R.Rough	8	17 th	0346	59	56
8. N.W. England	Dull to fair; misty.	Fair.	Mod.					
9. N. Midlands	Dull, misty.	Fair.	-					
10. N.E. England	Cloudy.	V.Good	Slight					
11. E. Scotland	Cloudy.	V.Good	Slight					
12. S.W. Scotland	Cloudy, some mist.	Good.	Slight					
13. Isle of Man	Cloudy.	Fair.	Slight					
14. N. & N.W. Scotland	Dull to cloudy.	Good.	Slight					
15. Hebrides	Dull to cloudy.	Good.	Slight					
16. Orkneys and Shetlands	Fair.	V.Good	Smooth					
17. N.W. Ireland	Cloudy.	Fair.	Smooth					
18. N.E. Ireland	Fair to cloudy; squally.	V.Good	Slight					
19. S.E. Ireland	Dull, some drizzle.	Indif.	Slight					
20. S.W. Ireland	Dull.	Good	Smooth					



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

An anticyclone extending over our Northern districts from beyond Scotland will cause mainly fair weather over the Northern half of the Kingdom, but owing to a depression over France much cloud, with some rain or showers, is to be expected in the more Southern districts. The Easterly wind will blow a moderate to strong breeze on the Channel.

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of two millibars.
WIND.—Direction is shown by arrow lying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figure in small circles.
TEMPERATURE.—Temperature is given in degrees.
WEATHER SYMBOLS.
 ○ clear sky. ○ sky & cloud. ○ overcast sky. * snow. ☼ fog. T thunder. SEA DISTURBANCE. Rough. High.

Further Outlook.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 17th October, 1920.
1. S.E. England	Wind East or North-East, moderate or fresh, strong at times locally; high low cloud, some rain or showers. Visibility mainly fair or good. Temperature rather low.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Wind mainly East or North-East, light or moderate, fresh locally; cloudy or variable sky, some local showers. Visibility mainly good. Temperature rather low.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	East to South-East or East winds, light. Fair generally. Visibility fair or good. Moderate temperature.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Same as 7 - 13.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

NONE ISSUED.

SYNOPTIC CHART FOR MORNING OF SUNDAY, 17TH OCTOBER, 1920.

Nautical Miles
Statute Miles

Scale - 1:10,000,000

EXPLANATION.
Ships are shown by
their hull numbers.
In the case of
ships, the number of
the vessel is shown in
the circle.
In the case of
ships, the number of
the vessel is shown in
the circle.
In the case of
ships, the number of
the vessel is shown in
the circle.

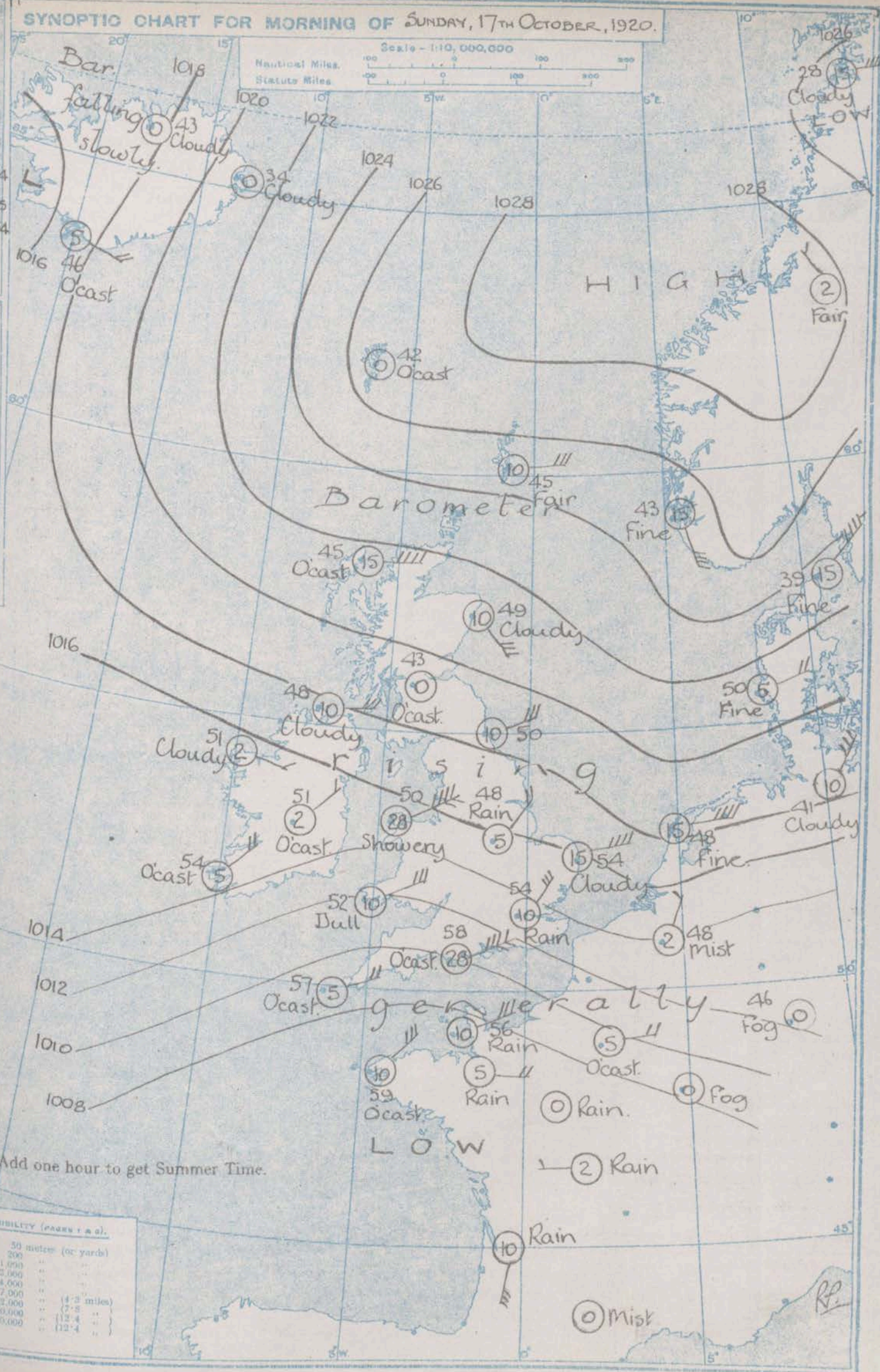
ISSUED.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).

Objects not visible at	50 metres (or yards)
1,000	1,000
2,000	2,000
3,000	3,000
4,000	4,000
5,000	5,000
6,000	6,000
7,000	7,000
8,000	8,000
9,000	9,000
10,000	10,000
11,000	11,000
12,000	12,000
13,000	13,000
14,000	14,000
15,000	15,000
16,000	16,000
17,000	17,000
18,000	18,000
19,000	19,000
20,000	20,000
21,000	21,000
22,000	22,000
23,000	23,000
24,000	24,000
25,000	25,000
26,000	26,000
27,000	27,000
28,000	28,000
29,000	29,000
30,000	30,000

Objects visible beyond
20,000 " (12.4 ")
Exceptional visibility
20,000 " (12.4 ")

Add one hour to get Summer Time.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No 291.

Sunday
17th OCTOBER

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

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 ...	b	bcc	55	44	-	-	3.5	0.2	Douglas (I.O.M.)								
Banff ...	bc	beep	53	45	3	0.3	4.3	0.0	Blackpool ...	o	c	56	51	-	-	0.3	0.3
Montrose ...	abc	c	51	43	1	-	3.5	0.0	Southport ...	o	o	55	50	-	-	0.0	0.0
St. Andrews ...																	
England, E.									Midlands.								
Harrogate ...	opc	c	52	49	3.7	0.1	0.4	0.0	Buxton ...								
Scarborough ...	bc	bc	55	52	1	-	1.2	0.0	Leamington Spa...								
Skegness ...								0.7	Malvern ...	m	a	55	46	0.1	0.4	0.0	0.3
Lowestoft ...								1.0	Bath ...	op	or	58	53	11	0.3	0.0	0.0
Felixstowe ...	bc	bc	61	51	1	-	4.0	2.1	Rhyl ...								
Southend-on-Sea...	mpac	o	61	52	0.4	-	1.0	2.2	Colwyn Bay ...								
England, S.E.									Llandudno ...								
Tunbridge Wells	om	apocm	59	51	0.3	-	0.0	2.4	Aberystwyth ...	oco	orr	56	49	-	1	0.0	1.7
Margate ...	cbbc	bcc	60	54	1	-	2.5	2.8	Tenby ...								
Ramsgate ...								4.2	Swansea ...								
Folkestone ...	oc	c	64	53	1	-	1.7	0.0	Weymouth ...	cpoa	o	61	56	2	1	0.0	0.0
Hastings ...	oro	obcc	60	54	6	-	0.0	0.8	Teignmouth ...								
Eastbourne ...	o	oc	51	52	1	-	3.0	1.9	Torquay ...								
Brighton ...								1.7	Paignton ...	orop	opq	60	54	11	0.3	0.0	0.0
Worthing ...	o	o	60	52	-	-	0.0	0.1	Penzance ...	oro	oc	60	56	30	1	0.0	0.0
Littlehampton ...	ocm	ocm	61	53	-	0.3	0.0	0.5	Newquay ...								
Portsmouth (S. thase)								0.5	Bude ...	r	r	57	53	1	9	0.0	0.0
Bournemouth ...									Ilfracombe ...	r	r	57	55	1	10	0.0	0.1
Ventnor (I. of W.)								0.5	Weston-s-Mare ...								

SUMMARY FOR PAST 24 HOURS.

STATIONS.	WEATHER.				TEMP.		RAINFALL.		Sun.
	7h-12h.	12h-18h.	18h-6h.	6h-12h.	Max. F.	Min. F.	Day. 7h-18h.	Night. 18h-7h.	
Renfrew ...	coz	coz	bcc	coz	51	43	3.7	-	1.0
Eskdalemuir ...	oco	oco	bcc	oco	48	34	2.9	-	0.3
Valencia (Cahire's)	oco	bcc	bcc	oco	60	4.9	5.0	0.1	2.2
Baldonnel ...	ozf	ozf	ozf	ozf	59	4.9	4.6	Trace	1.8
Manchester (Alex. Ph.)	ozf	ozf	ozf	ozf	55	4.6	3.6	0.1	4
Ross on Wye ...	ozf	ozf	ozf	ozf	55	4.9	4.9	2	8
Falmouth ...	RRozf	zfc	oco	bcc	59	5.6	5.4	2.0	0.1
Calshot (Hants)...	rrzfoz	oif	oif	coz	60	5.5	5.2	1	0.0
Lympne (Folkestone)	zfoz	oif	oif	coz	59	5.0	4.9	-	1.8
Aberdeen ...	bcc	bcc	bcc	bcc	55	4.4	3.6	-	5.4
Howden ...	oco	oco	bcc	bcc	58	?	3.6	-	0.5
Cranwell (Lines)	ozf	ddoz	ozf	coz	54	4.7	4.4	1	0.4
Felixstowe ...	if bcc	bcc	qf	if	62	5.2	*	-	0.2
Shoeburyness ...	bcc	bcc	bcc	oco	60	5.0	4.3	-	0.4
Benson ...	?	?	?	?	57	5.0	5.0	-	?
S. Farnborough ...	ozf	ozf	ozf	ozf	59	5.3	5.1	0.2	0.0
London (Kew Obs.)	ozf	ozf	ozf	ozf	60	5.5	5.2	0.1	0.0
Croydon ...	ozf	ozf	ozf	ozf	60	5.5	5.2	-	*

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.r. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-0.9
2	4-7	0.9-1.9
3	8-12	1.9-2.9
4	13-18	2.9-4.9
5	19-24	4.9-6.9
6	25-31	6.9-8.9
7	32-38	8.9-10.9
8	39-46	10.9-12.9
9	47-54	12.9-14.9
10	55-63	14.9-17.9
11	64-75	17.9-20.9
12	Above 75	20.9 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.				
24 HOURS ENDED 9h G.M.T. 17th						
Greenwich (Royal Observatory)	o	o	op. or R	6.2	5.2	51
City (Sunhill Row)	*	*	*	*	*	*
Westminster (St. James's Park)	*	*	and. or	6.1	5.4	51
Canter Sq. (British Rainfall)	c.o.	a	*	6.4	5.2	51
Kensington Palace	o	o	*	6.1	5.1	50
Hampstead Observatory	*	*	*	5.8	5.1	51

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.

17th and 18th OCTOBER 1920.			
Stations.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth...	6.23	11.38	4.43
Greenwich	6.25	11.45	4.45
Wick	6.54	11.57	4.57
Valencia	7.10	12.25	5.25

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.

Rain fell in nearly all parts of the Kingdom, the largest amounts being 20mm at Falmouth, 19mm at Pembroke, and 17mm at Shoeburyness. Very little bright sunshine was recorded and the maximum temperature was below 60° except at a few southern stations.

* Information for these columns not usually received.

17.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. B21,515 MONDAY...18th...October.....1920.

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

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.																																							
STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Direc. Force 0-12.	WEATHER.	TEMP.		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. Direc. Force 0-12.	WEATHER.	TEMP. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.												
					°F.	°C.				Form.	Amt. 0-10.	Form.	Amt. 0-10.										Form.	Amt. 0-10.	Form.	Amt. 0-10.													
12H. G.M.T. 17 th																																							
Renfrew	1021.6	+1	ENE 4	oif	52	75	6	2,000	Nb	10	-	-	-	-	1023.9	+2	E 3	oif	49	75	5	3,000	ScCu	10	-	-	-	-											
Eskdalemuir	1021.5	+1	E 3	o	52	75	7	3,000	ScCu	10	-	-	-	-	1024.3	+4	E 3	oif	45	85	7	-	ScCu	8	CL	2	-	-											
Valencia (Cahire'n)	1021.5	+2	NE 4	bc	57	75	7	2,000	ScCu	5	-	-	-	-	1017.9	+2	NE 4	b	53	75	7	3,000	ScCu	3	-	-	-	-											
Baldonnel	1017.6	+1	NE 2	o	51	85	4	2,500	Nb	10	-	-	-	-	1019.4	+2	NE 4	oif	51	92	3	2,500	ScCu	10	-	-	-	-											
Manchester (Alex. Park)	1018.3	+2	E 5	oif	52	75	5	2,000	ScCu	10	-	-	-	-	1020.7	+4	E 4	oif	50	75	4	3,000	ScCu	9	-	-	-	-											
Ross on Wye	1015.4	+2	E 4	o	51	97	5	1,250	Nb	10	-	-	-	-	1017.2	+3	E 4	oif	50	97	7	1,250	Nb	10	-	-	-	-											
Falmouth	1011.6	+2	ENE 3	oif	58	85	3	-	ScCu	10	-	-	-	-	1013.7	+4	ENE 3	oif	56	97	2	-	Nb	10	-	-	-	-											
Calshot (Hants)	1012.9	+1	E 4	o	59	75	8	3,000	ScCu	5	AST	5	5	5	1015.7	+2	ENE 5	oif	53	85	6	2,000	ScCu	9	-	-	-	-											
Lymington (Folkestone)	1014.3	+1	E 5	oif	54	75	7	750	ScCu	3	AST	6	6	6	1015.3	+2	ENE 6	oif	50	75	6	750	ScCu	10	-	-	-	-											
Aberdeen	1024.9	+2	SE 4	b	54	55	8	3,000	ScCu	1	CL	1	3	3	1027.0	+2	SE 3	b	48	65	8	3,000	ScCu	1	CL	1	3	3											
Howden	1019.3	+1	E 5	Toq	50	92	5	750	Nb	10	-	-	-	-	1022.8	+5	E 4	oif	48	85	5	2,000	ScCu	9	AST	1	-	-											
Cranwell (Lincs)	1018.3	+2	ENE 4	o	53	85	6	2,000	Nb	8	ScCu	1	5	5	1021.7	+4	ENE 3	o	48	85	7	2,000	-	-	AST	7	-	-											
Felixstowe	1017.4	+3	E 4	oif	54	75	7	3,000	ScCu	10	-	-	-	-	1018.2	+1	ENE 5	oif	52	75	7	3,000	ScCu	10	-	-	-	-											
Shoeburyness	1014.8	+3	E 6	o	55	75	7	2,000	ScCu	7	AST	3	3	3	1016.8	+2	ESE 7	oif	52	75	7	2,000	ScCu	7	AST	3	-	-											
Benson	1014.8	+2	ENE 2	o	54	85	8	-	ScCu	10	-	-	-	-	1017.0	+3	ENE 3	bc	49	75	6	-	ScCu	5	-	-	-	-											
S. Farnborough	1013.6	+1	ENE 5	oif	57	75	6	2,000	ScCu	4	AST	6	6	6	1016.4	+4	ENE 7	oif	50	75	5	2,000	ScCu	8	AST	2	-	-											
London (Kew Obs.)	1014.8	+1	ENE 4	oif	56	75	5	2,000	ScCu	7	AST	3	3	3	1017.2	+4	NE 4	oif	51	65	5	2,000	ScCu	10	-	-	-	-											
Croydon	1015.2	+2	E 6	oif	56	75	6	750	ScCu	7	AST	3	3	3	1017.0	+3	ENE 6	oif	50	75	6	1,250	ScCu	8	AST	2	-	-											
1H. G.M.T. OF 18 th																																							
Renfrew	1022.4	+1	N 2	b	55	92	4	-	-	-	-	-	-	1028.5	+2	-	0	bif	32	94	2	-	-	-	-	-	-	-											
Eskdalemuir	1019.9	0	N 2	b	55	92	4	-	-	-	-	-	-	1028.5	+1	NW 1	0	0	36	85	8	-	ScCu	10	-	-	-	-											
Valencia (Cahire'n)	1019.9	0	N 2	b	55	92	4	-	-	-	-	-	-	1028.5	0	N 2	0	0	36	85	8	2,000	ScCu	7	-	-	-	-											
Baldonnel	1022.0	+2	E 4	o	57	85	4	2,000	ScCu	9	-	-	-	1022.3	+1	E 3	0	0	36	75	5	2,000	ScCu	6	AST	1	-	-											
Manchester (Alex. Park)	1018.0	+2	ENE 4	o	57	85	4	2,000	ScCu	9	-	-	-	1024.5	+1	ENE 3	0	0	36	85	8	2,000	ScCu	8	-	-	-	-											
Ross on Wye	1015.0	+2	ENE 4	o	57	85	4	2,000	ScCu	9	-	-	-	1022.2	+2	ENE 2	0	0	36	85	8	-	-	-	-	-	-	-											
Falmouth	1012.0	+2	ENE 4	o	57	85	4	2,000	ScCu	9	-	-	-	1019.2	+1	NW 3	0	0	36	85	8	3,000	ScCu	1	-	-	-	-											
Calshot (Hants)	1012.0	+2	ENE 4	o	57	85	4	2,000	ScCu	9	-	-	-	1019.2	+3	NE 4	0	0	36	85	8	3,000	ScCu	1	-	-	-	-											
Lymington (Folkestone)	1016.5	+1	ENE 6	oif	54	85	7	1,250	ScCu	7	-	-	-	1016.5	0	NE 6	0	0	36	85	8	1,250	ScCu	2	AST	8	-	-											
Aberdeen	1025.0	0	NE 1	o	45	75	7	1,250	ScCu	10	-	-	-	1029.1	+1	SE 3	bc	41	55	7	2,000	ScCu	3	AST	1	-	-	-											
Howden	1021.9	+1	E 3	o	45	75	7	1,250	ScCu	10	-	-	-	1025.6	+1	ENE 3	bc	44	85	7	2,000	ScCu	5	AST	1	-	-	-											
Cranwell (Lincs)	1020.3	+1	ENE 6	o	45	92	4	2,000	ScCu	9	-	-	-	1020.6	+3	E 3	0	0	40	75	6	3,000	ScCu	2	-	-	-	-											
Felixstowe	1020.3	+1	ENE 6	o	45	92	4	2,000	ScCu	9	-	-	-	1020.6	0	ENE 4	bc	44	85	7	2,000	ScCu	3	AST	1	-	-	-											
Shoeburyness	1018.9	0	NE 6	bc	44	75	7	2,000	ScCu	9	-	-	-	1018.9	0	NE 6	bc	44	85	7	2,000	ScCu	3	AST	1	-	-	-											
Benson	1020.8	+2	NNE 3	bc	44	75	7	2,000	ScCu	9	-	-	-	1020.8	+2	NNE 3	bc	44	85	7	2,000	ScCu	3	AST	1	-	-	-											
S. Farnborough	1019.4	+2	NNE 5	bc	44	75	7	2,000	ScCu	9	-	-	-	1019.4	+2	NNE 5	bc	44	85	7	2,000	ScCu	3	AST	1	-	-	-											
London (Kew Obs.)	1018.7	+1	NNE 5	bc	44	75	7	2,000	ScCu	9	-	-	-	1018.7	+1	NNE 5	bc	44	85	7	2,000	ScCu	3	AST	1	-	-	-											
Croydon	1018.7	+1	NNE 5	bc	44	75	7	2,000	ScCu	9	-	-	-	1018.7	+1	NNE 5	bc	44	85	7	2,000	ScCu	3	AST	1	-	-	-											
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																																							
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 17 th																						7H. G.M.T. OF 18 th								24 HOURS ENDED 7H. 18 th								17 th	
Lerwick	1027.7	46	E 1	bc	1028.3	+2	45	0	WSW	2	-	cmf	1	1	49	41	bc	bc	bc. cmf	4																			
Stornoway	1024.4	49	E 2	bc	1024.5	-2	49	-4	S	3	-	bc	2	-	54	44	o. bc	bc	bc. bc	3.0																			
Castelbay (Barra Is.)	1023.2	51	E 3	o	1024.6	-2	50	-10	SE	5	-	bc	6	0.4	52	46	c. o. c	c. o.	c. o. bc	2.0																			
Malin Head	1020.7	48	ESE 2	bc	1022.4	+1	46	-2	SE	3	E	bc	3	-	51	45	o	c	bc	1.3																			
Blacksod Point	1017.5	51	NE 3	bc	1020.2	+1	49	-2	SE	4	-	bc	4	Trace	55	46	bc	bc	bc. bc	-																			
Roche's Point	1017.8	53	NE 2	c	1021.1	+3	49	-4	SE	4	-	bc	4	4	54	48	o. c.	o. c.	bc. bc	-																			
Bir Castle	1019.4	52	NE 1	c	1022.0	+1	46	-5	NE	1	-	c	-	-	54	43	o	o. c.	c	0.4																			
Donaghadee	1021.1	53	ESE 3	cm	1023.1	+1	49	-1	SE	4	SE	bc	3	-	54	43	bcq	cm	bc. cm	-																			
Liverpool (Bidston)	1019.5	51	E 4	o	1025.1	-2	44	-4	E	1	E	bc	2	-	53	41	cm	cm	o. cm	0.0																			
Holyhead	1019.2	51	ENE 4	cm	1024.0	-2	44	-6	E	4	-	bc	2	1	53	43	cm	cm	o. cm	0.0																			
Pembroke (St. Ann's Head)	1016.3	52	NE 3	o	1021.1	+1	43	-9	ENE	4	-	bc	3	14	54	43	oif	o	o. c. bc	0.0																			
Seilly (St. Mary's)	1013.0	54	NNE 2	o	1018.8	+2	48	-9	E	2	R	bc	3	16	58	48	cm	o. c.	o. bc. bc	0.0																			
Jersey (St. Aubin)	1010.3	58	NE 5	og	1015.0	+1	53	-3	NE	5	-	o	3	4	59	53	o	o. o.	c. bc	0.0																			
Portland Bill	1013.3	57	ENE 6	c	1018.1	+2	44	-11	NNE	6	N	bc	6	-	58	45	c	c	c. bc	-																			
Dunegness	1013.3	57	ENE 6	c	1014.6	0	30	-4	ENE	6	E	bc	6	-	58	50	c. o. c	c	bc. bc	-																			
Wick	1025.7	50	SE 3	c	1026.8	0	44	-4	S	4	-	bc	3	2	50	46	ch	ch	c. bc. bc	-																			
Nairn	1025.7	44	-	o	1026.8	0	36	-4	-	0	-	bc	0	-	55	32	c. bc. c	c. bc	bc. bc	4.0																			
Leith	1024.2	48	SE 2	c	1028.0	+4	39	-4	SW	1	-	bc	1	0.3	58	38	cu. c. bc	bc. bc	c. bc. bc	-																			
Tynemouth	1023.6	50	SE 4	bc	1027.1	0	48	-2	SE	4	-	og	5	1	52	44	ch	bc	bc. og	-																			
Spurn Head	1021.7	50	E 7	bcq	1024.4	0	49	-4	E	7	-	og	6	4	53	44	og	bcq	bc. bc	-																			
Falmouth	1019.5	50	E 7	o	1021.7	+1	44	-4	ASE	8	-	bcq	6	-	50	46	og. bcq	bcq. og	bc. bc	0.3																			
Clacton-on-Sea	1017.0	52	ENE 6	c	1019.3	+1	44	-8	ENE	6	-	bc	5	-	54	44	og. c.	c	bc. bc	0.6																			
Nottingham	1020.4	48	E 3	o	1024.0	0	42	-6	E	3	-	bc	3	2	55	39	o	o	c. bc	0.0																			

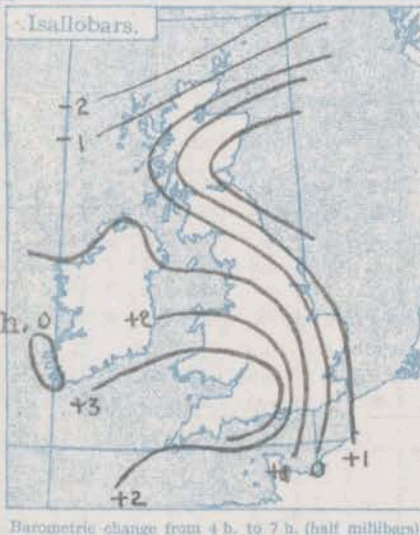
* Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

§ For code see page 3.

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 18.10.1920.

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 generally, squally.	Good	R. Rough.	5	17 th	0925	67	62
2. E. England	Fair, squally.	"	"	12	18 th	0815	58	51
3. E. Midlands	Fair, squally.	Indiff.	-					
4. W. Midlands	Fair, misty.	Fair.	-					
5. S.W. England	Fair, misty.	Good	Mod.					
6. South Wales	Fine.	Excellt.	Slight.					
7. North Wales	Fair, misty.	Indiff.	Smooth.					
8. N.W. England	Fair, misty.	Fair	Slight					
9. N. Midlands	Fair, squally.	Indiff.	-					
10. N.E. England	Cloudy, squally.	Good	Mod.					
11. E. Scotland	Fair, misty.	"	Smooth.					
12. S.W. Scotland	Frosty, local fog.	Fair	Slight.					
13. Isle of Man	Fair, misty.	Good	"					
14. N. & N.W. Scotland	Fair.	Fair.	"					
15. Hebrides	Fair to dull, local showers.	"	Rough.					
16. Orkneys and Shetlands	Misty, passing showers.	Poor	V. Smooth.					
17. N.W. Ireland	Fair to fine.	Fair	Mod.					
18. N.E. Ireland	Fine, squally.	V. Good	Slight.					
19. S.E. Ireland	Fine.	"	Mod.					
20. S.W. Ireland	Fair, some mist.	Good	Slight.					



GENERAL INFERENCE from observations received up to

9h. G.M.T.

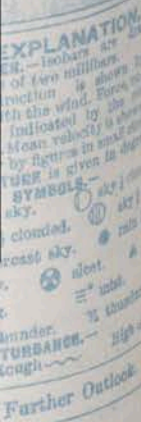
The anticyclone over Scandinavia is increasing in intensity. Some more rain is likely on our N.W. Coasts as a result of a depression approaching Iceland, but elsewhere the weather will be mainly fair, with strong Easterly winds over S.E. England.

EXPLANATION.
 BAROMETER.—Isobars are shown at intervals of two millibars.
 WIND.—Direction is shown by the flying with the wind. Force, indicated by the 0-12, is indicated by the feathers. Mean velocity in miles per hour by figures in small circles.
 TEMPERATURE.—Temperature is given in degrees Fahrenheit.
 WEATHER SYMBOLS.—
 ☉ clear sky.
 ☁ sky & clouded.
 ☁ overcast sky.
 * snow. * sleet.
 ≡ fog. ≡ mist.
 T thunder. % thunderstorm.
 SEA DISTURBANCE.—
 Rough. High waves.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 18th October, 1920.
1. S.E. England	Strong Easterly wind; fair, visibility good; temperature remaining rather low.
2. E. England	
3. E. Midlands	
4. W. Midlands	Wind E. to S.E., moderate or fresh; fair to fine, visibility good; temperature remaining rather low.
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Wind S.E., moderate or fresh; fair to cloudy, visibility good; rather low to moderate temperature.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Same as 4 - 9.
13. Isle of Man	
14. N. & N.W. Scotland	Wind Southerly, fresh to strong; fair to dull, some rain, visibility good; moderate temperature.
15. Hebrides	
16. Orkneys and Shetlands	Fresh to strong S.W. wind; dull, some rain, visibility fair; moderate temperature.
17. N.W. Ireland	
18. N.E. Ireland	Same as 4 - 9.
19. S.E. Ireland	
20. S.W. Ireland	

Fair generally for a day or two over England and Southern Ireland.

North Cone hoisted.



th Cone
sted.

All times are G.M.T.

Add one hour to get Summer Time.

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

TELEPHONE CODES FOR SURFACE VISIBILITY (PAGES 1 & 2).

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 "
7. Fair	"	12,000 "
8. Good	"	20,000 "
9. Very Good	"	30,000 "
0. Excellent	"	"

Objects visible beyond
Exceptional visibility.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 292.

Monday
18th October 1920

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 17 th																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-18h.	Day. 18h-17h.	to 17h.	Sunrise to Sun- set.			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-18h.	Day. 18h-17h.	to 17h.	Sunrise to Sun- set.
						55 th -17 th	17 th	17 th	16 th							16 th -17 th	17 th	17 th	16 th
Scotland.	Oban ...									England, N.W.	Douglas (I.O.M.)								
	Banff ...	oc	bc b	53	45	1	-	4.5	0.0		Blackpool ...	c	o	53	45	-	0.1	0.0	1.0
	Montrose ...										Southport ...	no	o	53	45	-	-	0.0	0.3
	St. Andrews ...										Morecambe ...								
England, N.E.	Harrogate ...	o	od	50	40	-	-	0.0	0.1	Midlands.	Buxton ...								
	Scarborough ...	o	o	56	48	-	-	0.0	0.0		Leamington Spa...								
	Skegness ...										Malvern ...								
	Lowestoft ...	oc, bc	bc, c, o	55	49	-	-	2.2	1.0		Bath ...	o	o	57	51	3	-	0.1	0.5
England, E.	Felixstowe ...	c	o	61	54	-	-	0.0	2.1	Wales.	Rhyl ...	d	d	54	46	3	-	0.0	0.1
	Southend-on-Sea...	no	og	56	49	11	-	0.0	2.2		Colwyn Bay ...	*	*	53	47	2	-	0.0	0.2
											Llandudno ...	*	*	54	47	2	-	0.1	1.3
											Aberystwyth ...								
England, S.E.	Margate ...	c	c	60	53	-	-	0.5	2.8	England, S.W.	Tenby ...								
	Ramsgate ...	*	*	56	52	-	-	0.8	2.6		Swansea ...								
	Folkestone ...	?	?	62	52	-	-	0.0	0.0		Weymouth ...	?	?	61	54	-	-	0.0	0.0
	Hastings ...	oc.	bc, c, o	58	52	-	-	1.4	0.8		Teignmouth ...								
	Eastbourne ...	?	?	60	52	-	-	2.1	1.9	Torquay ...									
	Brighton ...	oc.	c, o	61	53	-	-	2.7	1.7	Paignton ...									
	Worthing ...	bc	bc	60	53	-	-	1.8	0.1	Penzance ...	o	oh	61	56	0.2	0.1	0.0	1.2	
	Littlehampton ...									Newquay ...	c, o	ogt	60	54	0.1	2.4	0.3	0.0	
	Portsmouth (S. thea.)	*	*	60	54	-	-	0.2	0.5	Bude ...	oh, t	*	58	52	2	4	0.0	0.0	
	Bournemouth ...	*	*	59	53	-	-	0.6	?	Ilfracombe ...	oh	oh	57	54	8	0.2	0.0	0.1	
	Ventnor (I. of W.)	*	*	59	54	-	-	0.5	0.5	Weston-s-Mare ...	no, c	c	57	50	1	-	-	-	

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	13h-18h	18h-7h	1h-7h				Day 7h-13h	Night 13h-7h			Statute miles per hour.	Metres per second.	
Renfrew ...	o	c o h	c a f. b. bc	b bc f r f	53	32	21	0.2	-	0.8				
Eskdalemuir ...	c o c o	o	b bc b	b x o	49	30	20	Trace	-	0.6				
Valencia (Cahire's) ...	c a b c	b c b b c	b c f	b c g b b g	58	43	42	-	-	2.7				
Baldonnal ...	o c f r	o c f d d	f r	b bc o	52	43	29	1	-	0.0				
Manchester (Alex Park) ...	p o c f	o c f g h	c o c f	c o g f e	53	40	24	0.5	-	0.0				
Ross on Wye ...	f r	f r	p a b b c b	b w	52	34	29	0	-	0.0				
Falmouth ...	o c f r	o c f r r	r r o b c	b bc b	58	43	38	x 11	62.5	0.0				
Calshot (Hants) ...	o c f	o c f	c o o	o b bc	60	43	39	-	-	1.3				
Lymington (Folkstone) ...	o c f r	b c c g	c a b c g	b c c g	52	45	42	-	-	1.4				
Aberdeen ...	b bc v	b bc v	b c c	b c c f	54	46	39	-	-	0.0				
Howden ...	f r g	f r g	p d o	r g	53	41	25	3	3	0.0				
Cranwell (Lincs) ...	o c f r	p a c o	c o w	b bc	55	40	34	b 1	-	0.0				
Felixstowe ...	o c f	g a	g c o	c o g	54	44	31	-	-	1.4				
Shoeburyness ...	c o f	c o g	c o g	b c c g	54	46	44	-	-	0.0				
Benson ...	o c f	b c b	b c b	b c c b d	56	34	30	r 4	-	0.0				
S. Farnborough ...	o c f p d	o c f o f	o c f o f	o f	54	37	35	1	Trace	0.1				
London (Kew Obs.) ...	r r d g o f	o c f	o	b bc	54	40	36	4	-	0.0				
Croydon ...	o c f o f	o c f	o f b c	b c c f	54	41	34	-	-	0.0				

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.
c.f. = continuous light rain.

1 Less than 1
2 1-5
3 4-7
4 8-12
5 13-18
6 19-24
7 25-31
8 32-38
9 39-46
10 47-54
11 55-63
12 64-75
Above 75

Less than 1
0.3-1.5
1.6-3.4
3.5-7.9
8.0-10.7
10.8-13.8
13.9-17.1
17.2-20.7
20.8-24.4
24.5-28.4
28.5-33.5
33.6 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 SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.									
		WEATHER.		Max. Temp.		Min. Temp.		Min. on Grass.		Rain-fall.		Sun-shine to Sun-set.		Humidity %							
		Morning.	Afternoon.	Night.		° F.	° F.	° F.	mm.	Hours.		10 a.m. G.M.T.	11 a.m. G.M.T.								
24 HOURS ENDED ON G.M.T. 18 th										YESTERDAY.		TO-DAY.		18 th + 19 th October 1900.							
														Vertical Component of Solar Radiation per Square Centimetre during yesterday.		Stations.					
																G.M.T.		Sunrise.			
Greenwich (Royal Observatory)										0.7	0.7	0.6	58	41	35	1	0.4	70	71	Yarmouth...	
City (Rushill Row)										"	"	"	"	"	"	"	0.5	"	"	Greenwich	
Westminster (St. James's Park)										0.6	0.6	0.6	58	41	36	1	0.3	70	65	Wick	
Camden Sq. (British Rainfall)										"	"	"	58	39	36	0.5	"	73	64	Valencia	
Kensington Palace										0	0.0	"	58	39	34	2	"	72	64		
Hampstead Observatory										"	"	"	58	38	35	0.3	0.0	"	65		

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

Exposure from $7^{\text{h}} \dots 2^{\text{h}} \dots 3^{\text{m}}$
to $7^{\text{h}} \dots 5^{\text{h}} \dots 3^{\text{m}}$.

Stars.	Duration of Exposure.		Duration of Record.		
	h.	m.	h.	m.	%
Polaris	//	30	3	10	28
δ Ursae	//	30	1	18	16
Minoris					

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell at several places, 17mm at Pembroke and 16mm at Scilly being the largest totals. Four or five hours of bright sunshine were measured in parts of Scotland, but elsewhere there was little or none. After reaching 60° locally, the temperature fell below 40° at inland stations even in the South of England, and was down to 30° at Eskdalemuir.

LONDON

1920.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21,516

TUESDAY, 19TH OCTOBER, 1920.

HOURS WHEN IN USE

TEMPERATURE

Max. Min.

°F. °F.

°C. °C.

°F. °F.

°C. °C.

°F. °F.

°C. °C.

°F. °F.

°C. °C.

°F. °F.

°C. °C.

°F. °F.

°C. °C.

°F. °F.

°C. °C.

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°C. °C.

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°F. °F.

°C. °C.

°F. °F.

°C. °C.

°F. °F.

°C. °C.

°F. °F.

°C. °C.

°F. °F.

°C. °C.

°F. °F.

°C. °C.

°F. °F.

°C. °C.

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

STATIONS.	BAROM. at M.S.L. mb.	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.	Change in 3 hours.	WIND.		TEMP. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.			
			Direc.	Force 0-12.					Form.	Amt. 0-10.	Form.	Amt. 0-10.				Direc.	Force 0-12.					Form.	Amt. 0-10.						
																								Weather	Weather				
18H. G.M.T. OF 18 TH																													
Renfrew ...	1026.4	-2	ESE	4	oif	49	75	6	3,000	StCu	9	-	-	*	1026.8	0	ESE	3	oif	46	75	6	4,200	StCu	10	-	-	*	
Esksdalemuir ...	1026.9	0	ESE	4	o	46	65	7	3,000	StCu	10	-	-	*	1025.8	-1	-	0	bc	39	85	7	-	StCu	5	-	-	*	
Valencia (Cahire'n)	1017.5	-1	ESE	5	bc	57	65	8	3,000	StCu	4	CU	1	4	1015.9	-2	ESE	5	C	53	75	8	3,000	StCu	6	CU	2	4	
Baldonnel	1022.8	-2	SE	4	bc	50	65	8	4,200	Cu	6	-	-	*	1021.9	-1	-	0	025	40	85	5	4,200	Cu	3	-	-	*	
Manchester (Alex. Pk.)	1024.0	-3	E	6	CZ	57	75	9	-	StCu	7	-	-	*	1024.0	0	E	4	b2	43	75	4	-	-	-	-	-	*	
Ross on Wye ...	1021.7	-2	E	6	bqly	49	55	8	4,200	Cu	1	-	-	*	1022.2	+1	ENE	2	bv	42	75	9	-	-	-	-	-	*	
Falmouth ...	1020.2	-1	ENE	3	b	52	75	7	-	StCu	1	-	-	*	1020.3	+1	ESE	2	b2fe	47	85	5	-	StCu	1	-	-	*	
Calshot (Hants) ...	1019.2	-1	ENE	5	b	53	65	8	-	-	-	-	-	*	1020.3	+3	ENE	4	b	48	85	8	3,000	StCu	1	-	-	3	
Lymington (Folkestone)	1018.3	+2	ENE	6	aq	47	75	8	2,000	StCu	8	ASt	1	*	1019.4	0	ENE	6	oq	46	75	8	2,000	StCu	10	-	-	*	
Aberdeen ...	1021.9	-1	SSE	4	C	50	45	8	4,200	StCu	8	-	-	3	1026.2	-2	SSE	4	bcif	48	65	7	4,200	StCu	6	-	-	3	
Howden ...	1025.6	-1	E	5	Ca	53	55	8	2,000	Cu	7	-	-	*	1024.9	0	ESE	3	b	43	75	6	2,000	St	2	-	-	*	
Cranwell (Lincs) ...	1025.0	0	E	5	bv	50	55	9	5,700	StCu	2	-	-	3	1025.7	+3	ENE	0	b	42	75	8	-	-	CU	1	-	*	
Felixstowe ...	1021.2	0	ENE	6	bcq	51	65	8	3,000	Cu	2	ASt	3	6	1021.9	+1	ENE	6	C	50	75	8	2,000	StCu	8	-	-	3	
Shoeburyness ...	1020.0	0	ENE	7	bcq	50	65	7	3,000	Cu	4	CU	2	*	1021.0	+2	ENE	7	bcq	49	75	7	3,000	Cu	6	-	-	*	
Benson ...	1019.8	-1	NE	5	b	53	55	8	-	-	-	-	-	*	1021.7	+2	NE	2	C	44	75	8	-	Cu	8	-	-	*	
S. Farnborough ...	1019.9	+1	ENE	4	bzy	52	55	6	3,000	Cu	1	-	-	*	1020.6	+4	ENE	4	025	47	75	5	2,000	StCu	10	-	-	*	
London (Kew Obs.)	1020.2	0	NE	4	by	52	55	6	4,200	Cu	1	-	-	*	1021.2	+4	NE	4	oif	49	65	6	3,000	St	10	-	-	*	
Croydon ...	1020.1	+1	ENE	7	bcqly	51	65	7	3,000	Cu	4	CU	1	*	1020.8	+2	NE	5	oqly	48	75	6	2,000	StCu	10	-	-	*	
7H. G.M.T. OF 19 TH																													
Renfrew ...	1025.2	-1	-	0	b	32	80	6	-	-	-	ASt	2	*	1023.1	0	-	0	bcqly	33	92	2	-	-	-	CU	6	-	*
Esksdalemuir ...	1025.2	-1	-	0	b	32	80	6	-	-	-	ASt	2	*	1024.5	0	-	0	Cx	39	92	Y	3,000	St	3	CU	4	-	*
Valencia (Cahire'n)	1016.9	-2	SE	5	omr	39	*	*	*	*	*	*	5	*	1011.3	-1	SE	6	0	55	80	Y	2,000	StCu	8	ASt	1	3	
Baldonnel	1016.9	-2	SE	5	omr	39	*	*	*	*	*	*	5	*	1014.8	-3	S	3	C	44	85	Y	2,000	St	2	ASt	3	-	*
Manchester (Alex. Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.1	7	E	3	cm	38	88	H	4,200	StCu	1	CU	6	-	*
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.7	0	-	0	0	28	97	6	2,000	St	10	-	-	*	
Falmouth ...	1019.7	-2	NE	2	C	43	85	Y	-	StCu	Y	-	-	*	1014.8	-1	E	4	oif	50	85	6	-	St	10	-	-	*	
Calshot (Hants) ...	1020.1	0	E	3	0	49	85	8	2,000	St	10	-	-	3	1020.4	11	E	4	oif	46	92	Y	2,000	St	10	-	-	3	
Lymington (Folkestone)	1019.6	0	ENE	6	oq	46	75	8	2,000	StCu	10	-	-	*	1021.0	11	E	4	bcif	42	88	6	2,000	StCu	10	-	-	*	
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.3	+1	SW	2	Cif	40	92	H	1,200	St	8	-	-	3	
Howden ...	1025.3	-1	-	0	Cx	33	97	6	3,000	St	5	ASt	2	*	1023.0	-1	-	0	bcif	35	97	H	5,700	StCu	3	CU	1	-	*
Cranwell (Lincs) ...	1024.5	0	E	3	5	40	92	H	-	-	-	-	-	*	1024.0	0	E	3	5	38	85	6	-	-	CU	2	-	*	
Felixstowe ...	1022.2	-1	E	5	5	48	92	Y	3,000	St	3	-	-	6	1022.5	11	E	4	bc	41	85	8	2,000	Cu	6	-	-	4	
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.5	0	E	3	bc	47	86	Y	3,000	StCu	6	-	-	*	
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1020.4	0	WNE	2	0	41	92	5	-	St	10	-	-	*	
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1020.6	0	ENE	2	oif	44	85	6	2,000	St	5	ASt	4	-	*
London (Kew Obs.)	1020.8	0	*	*	*	*	*	*	*	*	*	*	*	*	1021.4	11	ENE	3	025	46	76	5	2,000	St	10	-	-	*	
Croydon ...	1020.8	-2	ENE	4	bcif	44	85	6	3,000	StCu	2	ASt	4	*	1021.5	11	E	3	Cif	40	85	6	2,000	StCu	Y	-	-	*	

STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.

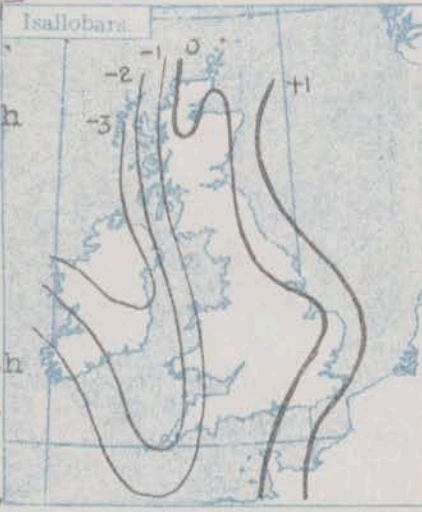
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-3.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.		
			Direc.	Force 0-12.		M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.			
18 TH G.M.T. of						19 TH G.M.T. of						24 HOURS ENDED 7H. 19 TH										18 TH	
Lerwick	1024.5	48	S	4	0	1019.4	-3	49	TH	S	5	S	0	H	1	50	44	cmr	0	0	0	0	0
Stornoway	1021.4	49	S	3	0	1016.4	?	48	-1	S	6	-	0	5	-	52	48	bc. 0	0	0	0	0	2.2
Castell Bay (Barra)	1021.7	51	ESE	5	0	1016.9	0	51	H	SE	4	-	0	Y	-	52	49	0c.	0	0	0	0	3.6
Malin Head	1020.5	46	SE	3	bc	1014.6	-1	46	0	SSE	4	SE	0	3	-	53	40	bc	bc	bc. 0	0	0	2.8
Blacksod Point	1016.9	51	SE	4	bc	1010.5	-3	51	22	SE	3	-	0	4	1	53	49	bc	bc	c. 0	0	0	*
Roche's Point	1020.2	50	SE	4	bc	1016.7	-2	53	44	SE	5	-	0	5	-	54	49	bc. c	bc	c. 0	0	0	*
Birr Castle	1020.4	45	SE	1	0	1016.6	*	47	41	SE	1	-	0	*	-	54	41	0	0	c. 0	0	0	9.0
Donaghadee	1022.1	51	SSE	4	cqym	1019.4	-1	47	2	S	3	-	bcq	3	-	53	47	bcq	bcq	bcq	bcq	bcq	*
Liverpool (Bidston)	1023.5	46	E	3	b	1022.5	0	39	-3	E	1	-	bc	2	-	52	39	bm	bm	bm	bm	bm	5.5
Holyhead	1021.9	47	E	4	bm	1020.2	-1	41	-3	SE	2	-	bc	1	Trace	52	34	bm	bm	bm	bm	bm	9.2
Pembroke (St. Ann's Head)	1021.4	47	E	2	b	1019.3	-1	48	15	SEA	3	-	0	3	-	50	43	bv	b	b. bc. c	0	0	9.2
Silly (St. Mary's)	1020.2	49	ESE	2	c	1017.1	-2	52	44	SE	3	SE	bc	3	-	56	47	bc. c	c	c. bc	0	0	5.9
Jersey (St. Aubin)	1017.2	53	NE	3	0	1015.0	0	50	-3	E	3	-	0	3	-	53	50	o. c.	c. 0	0	0	0	2.0
Portland Bill	1019.0	50	NE	5	b	1019.0	0	48	41	NE	5	-	0	5	-	53	44	bc. b	b	b. bc. 0	0	0	*
Dunagness	1017.2	49	E	6	cq	1019.6	+1	46	44	E	6	E	c	4	-	52	45	bcq	bcq	cq. c	0	0	*
Wick	1022.6	48	S	5	bc	1018.1	0	46	-4	SEW	5	-	0	4	-	50	46	bc	bc	bcq	bcq	bcq	*
Nairn	1022.9	43	SW	1	c	1019.3	*	54	44	-	0	-	0	0	-	50	34	bc	bc. c	c. bc. c	0	0	8.4
Leith	1020.2	44	SE	1	c	1023.2	0	38	-1	SSE	1	SE	0	1	-	52	44	bc. c. bc	bc. c	bc. c	bc. c	bc. c	*
Tynemouth	1026.1	49	SSE	4	bcq	1024.3	0	43	-5	SEW	3	-	0	3	Trace	52	43	bcq	bcq	bcq	bcq	bcq	*
Spurn Head	1024.8	49	ESE	7	bcq	1023.8	0	48	-1	SE	6	-	0	5	-	52	44	bcq	bcq	bcq	bcq	bcq	*
Yarmouth (Gor Island)	1022.7	49	SE	7	bc	1023.2	0	47	0	SE	5	-	0	4	0.4	50	46	bcq	bcq	bcq	bcq	bcq	4.3
Clacton-on-Sea	1020.9	50	ENE	6	c	1021.5	4	45	-1	E	4	-	0	4	-	52	47	bc	bc. c	a. bc	0	0	5.9
Nottingham	1024.4	42	E	3	b	1023.4	*	35	-4	E	2	-	0	2	-	50	34	b	b	b	b	b	9.0

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 19.10.20.

Temperature reported from Coastal and
Cross Channel SteamersCHART OF
POSITION
NUMBERS
and
Upper
Cloud

Position Number	Date	Time G.M.T.	Sea " F	Air " F
5	18 th	0730	54	46
3	18 th	0920	64	50
6	18 th	1407	49	?
2	19 th	0105	55	47
12	19 th	0355	52	50
5	19 th	0730	54	50

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Fair, local mist.	Fair	Mod.
2. E. England	Fair.	Good	"
3. E. Midlands	Fair, frosty, some mist	Fair	-
4. W. Midlands	Dull, local mist.	Indiff	-
5. S.W. England	Dull.	Fair	Mod.
6. South Wales	Dull, gloomy.	V. Good.	Slight
7. North Wales	Fine, local mist.	Excellent	V. Smooth
8. N.W. England	Cloudy, misty.	Poor	Slight
9. N. Midlands	Fine, frosty, local mist	"	-
10. N.E. England	Cloudy, misty.	V. Poor	Slight
11. E. Scotland	Cloudy, misty.	"	V. Smooth
12. S.W. Scotland	Cloudy, frosty.	V. Good	Slight
13. Isle of Man	Fair, some mist.	Indiff.	"
14. N. & N.W. Scot- land	Cloudy, squally.	Poor	Mod.
15. Hebrides	Dull, squally.	Fair	Rough
16. Orkneys and Shetlands	Dull.	Indiff.	Mod.
17. N.W. Ireland	Cloudy.	Fair	V. Smooth
18. N.E. Ireland	Fair, squally.	"	Slight
19. S.E. Ireland	Cloudy to dull.	"	Mod.
20. S.W. Ireland	Dull.	Good.	Slight



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

The Scandinavian anticyclone will continue to cause fair and rather cold weather for a day or two except in the western districts of Scotland and Ireland where it will be dull and mild with rain at times. Moderate to fresh Easterly winds are probable over England, and fresh to strong Southerly winds on our extreme Western Coasts.

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of two millibars.
WIND.—Direction is shown by arrow flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in small circles per hour by figures in degrees.
TEMPERATURE SYMBOLS.
 ☉ sky & cloud.
 ☁ sky & cloud.
 ☂ overcast sky.
 ✕ snow.
 ☼ mist.
 ☼ fog.
 ⚡ thunder.
SEA DISTURBANCE.—Rough.
 ⚡ High.

Further Outlook.

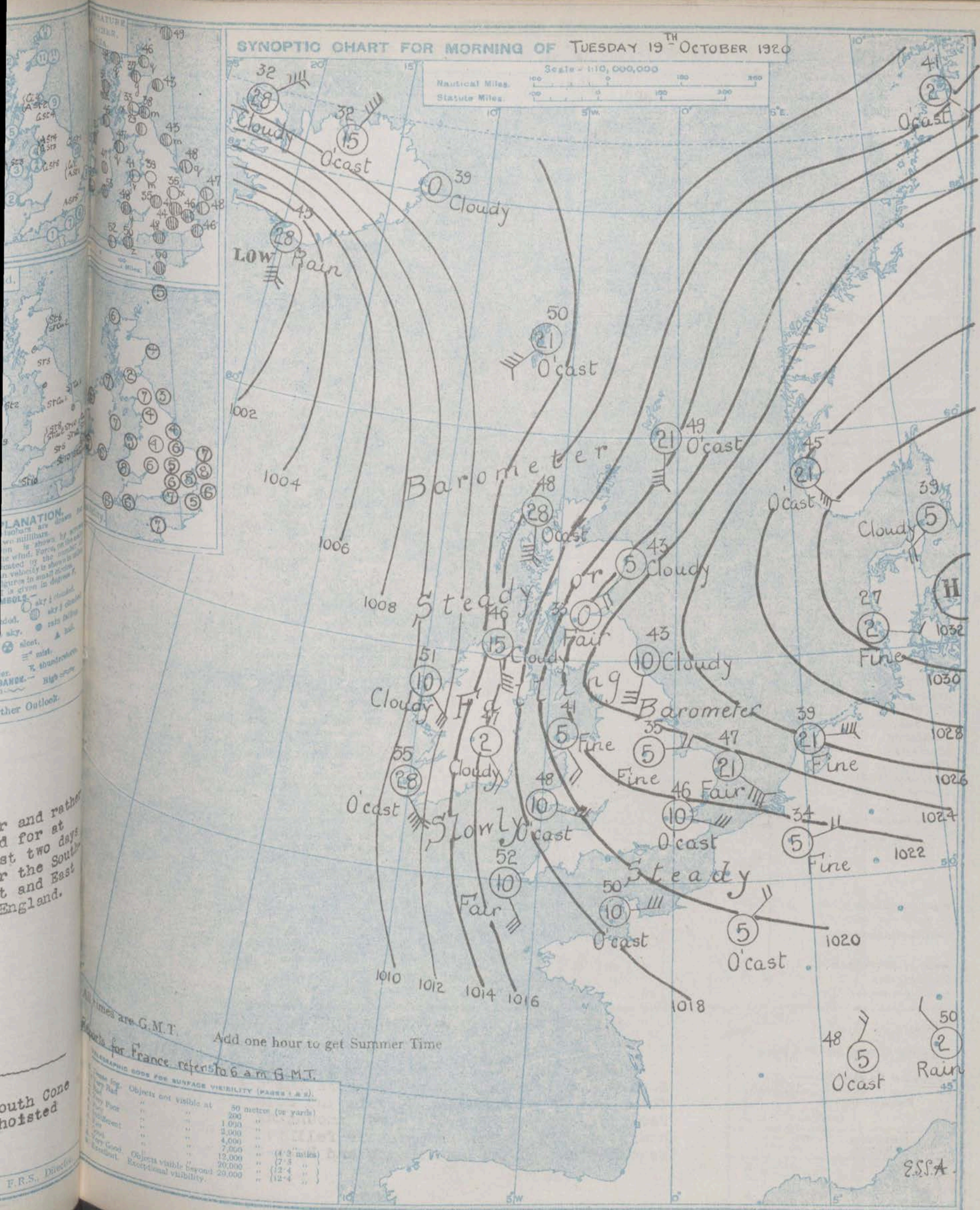
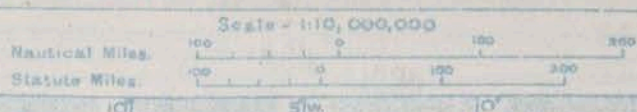
Districts. Forecasts for the 24 hours commencing 15 h.G.M.T. Tuesday, 19th October, 1920.

1. S.E. England	
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	✦ Wind Southerly, moderate to fresh; much rather low cloud; visibility fair to good; moderate to rather low temperature.
13. Isle of Man	
14. N. & N.W. Scot- land	✦
15. Hebrides	✦ Wind Southerly, fresh to strong; dull, some rain; visibility fair; mild.
16. Orkneys and Shetlands	✦
17. N.W. Ireland	✦
18. N.E. Ireland	
19. S.E. Ireland	Same as 11 - 13
20. S.W. Ireland	Same as 14 - 17

Fair and rather cold for at least two days over the South-east and East of England.

✦ South Cone hoisted

SYNOPTIC CHART FOR MORNING OF TUESDAY 19TH OCTOBER 1920



r and rather
d for at
st two days
r the South
t and East
England.

All times are G.M.T.

Add one hour to get Summer Time

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

for France refers to 6 a.m. G.M.T.

ALPHABETIC CODE FOR SURFACE VIBRILITY (PARTS 1 & 2).

Objects not visible at	50 metres (or yards)
Very Fog	200
Fog	1,000
Foggy Floor	2,000
Cloudy	4,000
Very Good	7,000
Excellent	12,000
Objects visible beyond	20,000
Exceptional visibility.	20,000

(4-5 miles)
(7-8 "
(12-4 "
(12-4 "

outh Cone
hoisted

F.R.S., Director

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No 293.

Tuesday
19th OCTOBER.

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

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-18h.	Day. 18h-17h.	to 17h. 18 th	Sunrise to Sun- set. 17 th - 18 th			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-18h.	Day. 18h-17h.	to 17h. 18 th	Sunrise to Sun- set. 17 th - 18 th

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL.		Sun. Hours.
	7h-18h.	18h-18h.	18h-1h.	1h-7h.				Day. 7h-18h.	Night. 18h-7h.	
Renfrew ...	b.bc.c.f	oz	bc.c.f	b.b.c.f	51	32	28	mm.	mm.	3.4
Eskdalemuir ...	c.c.o.	c.o.bc.c	b.bc	b.bc	47	28	26	-	-	1.3
Valencia (Cahire's) ...	bc.c.bc	bc.c.o	c.o.o	o.p.	58	52	50	-	1	0.2
Baldonnel ...	b.bcq.	b.bc	b.bc	b.bc	51	37	46	-	-	8.3
Manchester (Alex. P.R.) ...	c.o2	b.bcz	b.b	b.bc	52	36	20	-	-	8.3
Ross on Wye... ..	b.bc	b.bv	b.bv	b.bc.o	50	32	25	-	-	9.4
Falmouth ...	bc.c.bbc	b.bczf	b.b.c	c.o	54	40	32	-	-	9.0
Calshot (Hants)... ..	b.bc.b.	b.bc	b.bc.c	o.o.p	54	43	42	-	-	9.1
Lymington (Folkestone) ...	q.o.c.o.	oq.oq.	oq	c.oq.b.c.f	46	41	38	-	-	2.3
Aberdeen ...	q.b.c.c	bc.c.f	bc.c.f	b.c.f	52	38	38	-	1	3.7
Howden ...	q.c.o	b.bc	x.b.bc	x.b.bc	53	32	26	-	-	6.2
Cranwell (Lincs) ...	bc.c.b	b.bc	b.w	b.bcz	57	38	8.3	-	-	8.5
Felixstowe ...	bc.cq.	q.b.c.c.	q.b.c	q.b.c	63	47	5	-	-	7.0
Shoeburyness ...	q.b.bc	q.b.bc	q.b.bc	b.bc	53	46	41	-	-	9.1
Benson ...	b	b	bc.c.b.c	o	53	34	28	-	-	*
S. Farnborough ...	b.b.bc	b.b.c.	2f.o2f	o2f.o4	52	39	39	-	-	8.7
London (Kew Obs.) ...	b.bc.bq	bc.cq.	b.bc	o2f	52	41	39	-	-	8.0
Croydon ...	2f.b.bcz	bc.cq.1f.	q.c.o.b.c	b.b.c	52	44	*	-	-	*

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.
rrr = 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 0.9
1	1-3	0.9-1.3
2	4-7	1.3-1.9
3	8-12	1.9-2.5
4	13-18	2.5-3.1
5	19-24	3.1-3.7
6	25-31	3.7-4.3
7	32-38	4.3-4.9
8	39-46	4.9-5.5
9	47-54	5.5-6.1
10	55-63	6.1-6.7
11	64-75	6.7-7.4
12	Above 75	7.4 or above

SYMBOLS.

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

LONDON OBSERVATIONS.

	WEATHER.				TEMPERATURE.			WIND.	HUMIDITY.		TO-DAY.
	Morning.	Afternoon.	Night.	G.M.T.	19 th		YESTERDAY.				
					10 ^h A.M.	10 ^h P.M.					
24 HOURS ENDED 9H G.M.T. 19 th											
Greenwich (Royal Observatory)	b.c.	b.c.c.o	o	53	45	40	-	7.5	63	78	
City (Bunhill Row) ...	*	*	*	*	*	*	*	7.5	*	*	
Westminster (St. James's Park)	*	*	bc	54	45	39	-	7.3	56	73	
Camden Sq. (British Rainfall)	b	bc	*	50	40	36	-	*	46	79	
Kensington Palace ...	b	bc.o	*	54	41	38	-	*	73 (18h)	81	
Hampstead Observatory ...	*	*	*	50	40	36	-	8.7	*	80	

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	
Total ... 7.03 ... Joules.	
Milliwatts.	
Average Rate. 18.6	
Maximum Rate. 39	

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

19th AND 20th OCTOBER 1920			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.23	11.38	4.53
	6.25	11.50	4.52
Greenwich ...	6.28	11.45	4.51
	6.30	11.57	4.50
Wick ...	6.54	11.57	4.50
	6.56	12.06	4.50
Valencia ...	7.10	12.24	5.00
	7.12		

NOTES ON THE WEATHER OF YESTERDAY.

About 1mm of rain fell at one or two stations in Scotland and Ireland, but elsewhere there was none. There was no sunshine at Margate and Folkestone, but records were on the whole good, amounting to about nine hours locally. The temperature fell to 28° at night at Eskdale, and to 32° at Glasgow and Ross-on-Wye.

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 18h to 19h to 19h to 20h

Star.	Duration of Exposure.		Duration of Record.		
	h.	m.	h.	m.	%
Polaris	11	30	1	15	11
8 Ursae	11	30	0	43	6
Minoris					

* Information for these columns not usually received.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 24871 WEDNESDAY... 20TH... OCTOBER... 1920.

TEMPERATURE.	
Max.	Min.
54	48
52	46
50	44
48	42
46	40
44	38
42	36
40	34
38	32
36	30
34	28
32	26
30	24
28	22
26	20
24	18
22	16
20	14
18	12
16	10
14	8
12	6
10	4
8	2
6	0
4	-2
2	-4
0	-6
-2	-8
-4	-10
-6	-12
-8	-14
-10	-16
-12	-18
-14	-20
-16	-22
-18	-24
-20	-26
-22	-28
-24	-30
-26	-32
-28	-34
-30	-36
-32	-38
-34	-40
-36	-42
-38	-44
-40	-46
-42	-48
-44	-50
-46	-52
-48	-54
-50	-56
-52	-58
-54	-60
-56	-62
-58	-64
-60	-66
-62	-68
-64	-70
-66	-72
-68	-74
-70	-76
-72	-78
-74	-80
-76	-82
-78	-84
-80	-86
-82	-88
-84	-90
-86	-92
-88	-94
-90	-96
-92	-98
-94	-100

Weather.

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

STATIONS.	BAROM.		WIND.		TEMP.	HUMIDITY.	VISIBILITY.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.	BAROM.		WIND.		TEMP.	HUMIDITY.	VISIBILITY.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.		
	at M.S.L.	Change in 3 hours.	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 19 TH																												
Renfrew ...	1020.8	-3	ESE	4	01f	49	65	6	7200	Scu	4	Acu	6	0	1018.6	0	ESE	3	bc	45	75	4	-	-	Acu	9	0	
Esksdalemuir ...	1021.2	-3	SSE	3	cy	48	55	7	-	-	-	Cl. Sc	7	0	1020.1	-1	-	0	bc	43	75	6	-	-	Acu	5	0	
Valencia (Cahire'n) ...	1008.7	-3	SE	6	01f	55	85	5	<400	St	10	-	-	5	1008.0	0	SE	6	01f	56	85	5	750	St	10	-	5	
Baldonnel ...	1017.3	-2	SSE	5	01f	49	85	6	750	St	10	-	-	0	1015.5	0	SSE	4	02f	50	85	4	750	St	10	-	0	
MANCHESTER (Alex. Ry.)	1021.3	-3	ESE	4	02	51	65	4	3,000	Scu	2	Acu	7	0	1020.2	0	SE	2	bc3f	45	85	3	4200	Scu	1	Cl	5	0
Ross on Wye ...	1020.8	-2	E	3	01f	48	85	6	3,000	Scu	10	-	-	0	1019.4	-1	E	1	01f	48	85	5	1,250	St	10	-	0	
Falmouth ...	1017.2	-3	E	5	02f	52	97	6	-	St	10	-	-	0	1016.6	0	SE	3	0	53	75	6	-	St	10	-	0	
Calshot (Hants) ...	1020.3	-1	E	4	01f	51	85	7	2,000	St	10	-	-	3	1019.6	0	ESE	4	01f	52	85	6	2,000	St	10	-	3	
Lymington (Folkestone) ...	1021.2	-2	ENE	4	b	50	65	8	1,250	Scu	1	Cl. Sc	1	0	1021.3	-1	ENE	2	bc1f	43	85	6	-	-	Cl	4	0	
ABERDEEN	1022.3	-2	SSW	4	1f	50	65	7	2,000	St	2	Acu	3	3	1020.7	-1	SSE	4	c1f	49	75	6	2,000	Scu	7	-	3	
Howden ...	1022.5	-4	ESE	3	a	52	75	7	-	-	-	Cl. Sc	7	0	1021.0	+1	ESE	2	c	41	92	7	4,200	St	1	Acu	7	0
Cranwell (Lincs) ...	1022.0	-3	ESE	3	c	52	65	7	5,700	Scu	2	Cl	6	0	1021.7	0	ESE	3	bc	44	92	5	4,200	St	3	Cl	4	0
Felixstowe ...	1022.7	-1	E	4	b	52	75	8	4,200	Scu	1	Cl. Sc	1	3	1021.8	-1	ESE	4	bW	51	75	8	-	-	Cl. Sc	2	3	
Shoeburyness ...	1021.8	0	E	2	b	53	75	7	-	-	-	Cl. Sc	1	0	1020.7	-3	ESE	3	bW	50	75	7	5,700	Scu	1	-	0	
Benson ...	1020.0	-1	ESE	3	b2f	52	65	3	-	-	-	-	-	0	1019.7	0	NE	1	b	46	85	3	-	-	-	-	0	
S. Farnborough ...	1020.8	+1	ESE	3	c2	53	65	6	3,000	St	6	Acu	2	0	1020.2	0	E	3	bc2f	44	85	4	1,250	St	2	Cl	2	0
London (Kew Obsv.) ...	1021.1	-1	ENE	3	b2	53	65	4	-	-	-	-	-	0	1020.6	0	E	2	b3f	48	75	3	-	-	Acu	2	0	
Croydon ...	1021.0	0	ENE	3	b3f	54	65	6	-	-	-	Cl. Sc	2	0	1020.8	0	E	2	c3fW	43	85	3	-	-	Cl	8	0	
1H. G.M.T. OF 20 TH																												
Renfrew ...	1019.7	-1	-	0	0	41	92	6	-	St	9	-	-	0	1016.8	0	ASW	2	01f	46	85	3	2,000	St	10	-	0	
Esksdalemuir ...	1006.9	0	SE	6	01f	56	85	5	-	St	10	-	-	5	1004.5	-1	SSE	4	01f	59	92	4	1,250	St	10	-	0	
Valencia (Cahire'n) ...	1013.9	-2	SE	5	01f	51	85	5	2,000	St	10	-	-	0	1011.9	-1	SSE	2	01f	52	92	4	750	St	10	-	0	
Baldonnel ...	1013.9	-2	SE	5	01f	51	85	5	2,000	St	10	-	-	0	1011.9	-1	SSE	2	01f	52	92	4	750	St	10	-	0	
MANCHESTER (Alex. Ry.)	1018.2	-1	ESE	4	03f	46	85	3	2,000	St	10	-	-	0	1018.2	-1	ESE	4	03f	46	85	3	2,000	St	10	-	0	
Ross on Wye ...	1017.5	0	ESE	2	01f	48	85	6	1,250	St	10	-	-	0	1017.5	0	ESE	2	01f	48	85	6	1,250	St	10	-	0	
Falmouth ...	1014.0	-1	SE	4	01f	52	97	3	-	St	10	-	-	0	1014.0	-1	SE	4	01f	52	97	3	-	St	10	-	0	
Calshot (Hants) ...	1019.2	-1	SSE	4	0	54	85	8	2,000	St	10	-	-	3	1019.2	-1	SE	4	01f	54	85	6	2,000	St	10	-	3	
Lymington (Folkestone) ...	1020.9	0	-	0	01f	46	85	6	-	-	-	-	-	0	1020.9	0	-	0	01f	46	85	6	-	-	Cl	1	0	
ABERDEEN	1017.9	-1	S	6	c1f	49	75	5	1,250	St	8	-	-	0	1017.9	-1	S	6	c1f	49	75	5	1,250	St	8	-	0	
Howden ...	1020.0	-4	-	0	01f	36	97	2	4,200	St	5	Cl	4	0	1020.0	-4	-	0	01f	36	97	2	4,200	St	5	Cl	4	0
Cranwell (Lincs) ...	1020.7	-2	SE	2	bcx	30	97	3	-	-	-	Cl	6	0	1020.7	-2	SE	2	bcx	30	97	3	-	-	Cl	6	0	
Felixstowe ...	1020.9	-1	SSE	4	bc	50	85	6	2,000	St	3	Cl	2	3	1020.9	-1	SSE	4	bc	50	85	6	2,000	St	3	Cl	2	3
Shoeburyness ...	1020.3	-1	SE	1	b2f	44	92	5	-	St	10	-	-	0	1020.3	-1	SE	1	b2f	44	92	5	-	St	10	-	0	
Benson ...	1017.8	0	ESE	4	0	47	85	3	-	-	-	-	-	0	1017.8	0	ESE	4	0	47	85	3	-	St	10	-	0	
S. Farnborough ...	1018.8	0	SE	2	02f	48	85	4	2,000	St	9	-	-	0	1018.8	0	SE	2	02f	48	85	4	2,000	St	9	-	0	
London (Kew Obsv.) ...	1019.5	0	E	2	b2f	48	85	4	3,000	St	2	Cl	1	0	1019.5	0	E	2	b2f	48	85	4	3,000	St	2	Cl	1	0
Croydon ...	1020.0	0	SE	2	b2f	42	92	4	-	-	-	Acu	10	0	1020.0	0	SE	2	b2f	42	92	4	-	-	Cl	2	0	

STATIONS CONTRIBUTING REPORTS AT 7H. AND 15H.

STATIONS.	BAROM.		WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.																														
	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.		Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.	Max. °F.	Min. °F.					Morning.	Afternoon.	Night.																																	
	mb.	°F.	mb.	°F.		mb.	°F.	mb.	°F.	mb.	°F.					mb.	°F.	mb.	°F.																																
18H. G.M.T. of 19 TH																	7H. G.M.T. of 20 TH																	24 HOURS ENDED 7H. 20 TH																	19 TH
Lerwick	1018.3	50	S	5	bom	1016.6	-2	51	42	S	4	S	01f	3	-	51	48	bom	bom	bom	0.0																														
Stornoway	1014.4	51	S	4	c	1011.7	9	52	44	SSE	6	-	03	5	-	52	47	c	c	c	0.0																														
Castellbay (Barra Is)	1014.6	51	SSE	7	og	1011.2	7	53	46	SSE	6	-	06	6	0.3	53	50	o	o	og	0.0																														
Malin Head	1012.7	48	SE	4	og	1009.6	-1	57	45	SE	3	SE	0	3	-	54	43	c	c	og	0.3																														
Blackod Point	1008.6	52	SE	5	omf	1004.7	-3	54	43	SE	4	-	c	4	7	55	50	omf	omf	omf	0																														
Roche's Point	1012.8	53	SE	6	Y	1009.4	-3	57	44	SSE	3	-	01f	4	16	57	53	og	omf	odm	0																														
Birr Castle	1013.1	51	SE	8	P	1008.6	-	53	46	SE	3	-	0	0	8	53	46	c.0	c.01f	01f	1.1																														
Donaghadee	1016.6	50	SE	3	omf	1013.6	-1	52	45	S	4	-	omf	4	6	53	47	c	c	omf	0																														
Liverpool (Bilston)	1018.9	48	ESE	3	m	1016.7	-2	48	46	ESE	3	SE	0	2	-	49	39	cm	cm	om	0.2																														
Holyhead	1017.2	50	SSE	4	ogm	1014.0	-2	50	49	SSE	4	SW	0	3	Trace	52	40	bz bc c	c.og	oc. g	2.3																														
Pembroke (St. Ann's Head)	1015.9	52	SE	5	og	1013.2	-2	54	46	SE	4	-	og	4	-	54	49	og. o	o	o	0.0																														
Scoilly (St. Mary's)	1015.8	54	SSE	4	bc	1012.1	-2	56	44	SSE	4	-	om	5	3	56	52	bc	bc	bcc.ogf	3.2																														
Jersey (St. Aubin)	1018.2	51	ESE	3	o	1016.9	0	50	0	SE	3	-	o	3	-	53	44	a.c. o	o	o	0.1																														
Portland Bill	1017.5	54	SE	5	o	1016.3	-2	52	44	SSE	5	S	c	5	-	55	45	o	o	o.c	0.1																														
Duneness	1019.6	51	ENE	3	b	1014.3	-2	57	45	SE	3	-	b	3	-	53	46	c b	b	b	0																														
Wick	1015.2	49	S	5	cq	1013.4	-1	49	43	S	4	-	cmf	4	-	50	45	cq	cq	bcg	0																														
Nairn	1016.8	44	W	1	bc	1013.5	-	48	41	-	0	-	o	0	-	44	37	c. bc	bc	bc. og	2.3																														
Leith	1019.3	46	E	1	c	1016.5	-1	42	44	SE	2	-	om	1	-	50	38	cm. c	c. a. c	c. bc. c	0																														
Tynemouth	1021.2	48	SSE	3	cZ	1018.5	-2	44	41	S	2	-	bcm	3	-	50	41	cm	bcm	bcm. cm	0																														
Spurn Head	1021.2	50	SE	6	bcq	1020.3	0	47	41	SSE	3	-	omw	2	-	51	43	bc. q	bc. q	bcg. cm	0																														
Yarmouth (Oor Island)	1021.6	50	SSE	4	b	1020.3	-1	50	43	SSE	4	-	bg	3	-	51	47	bc. b	b	bc. b	8.3																														
Clacton-on-Sea	1021.1	51	ESE	4	bc	1019.9	-2	51	43	ESE	3	S	bcg	3	-	53	47	bc. a. bc	bc	bcg	7.0																														
Nottingham	1020.7	46	E	2	bc	1019.4	-	44	49	SE	1	S	om	0	-	53	35	b	b. bc	b	7.1																														

Temperature reported from Coastal and Cross Channel Steamers.



The Atlantic depression will cause rain at times over the Western half of the British Isles during the next few days, but over the extreme Eastern districts the weather will be fair to fine for at least a day longer.

EXPLANATION.

BAROMETER.—Inbars are given
intervals of two millibars.
WIND.—Direction is shown by
flying with the wind. Force, by
0-12, is indicated by
feathers. Mean velocity is shown in
per hour by figure in small circles.
TEMPERATURE is given in degrees
WEATHER SYMBOLS.

()	sky & clouded.	()	sky & shower.
()	overcast sky.	()	rain fall.
*	snow.	()	elect.
≡	fog.	≡	turb.
T	thunder.	≡	thunder.

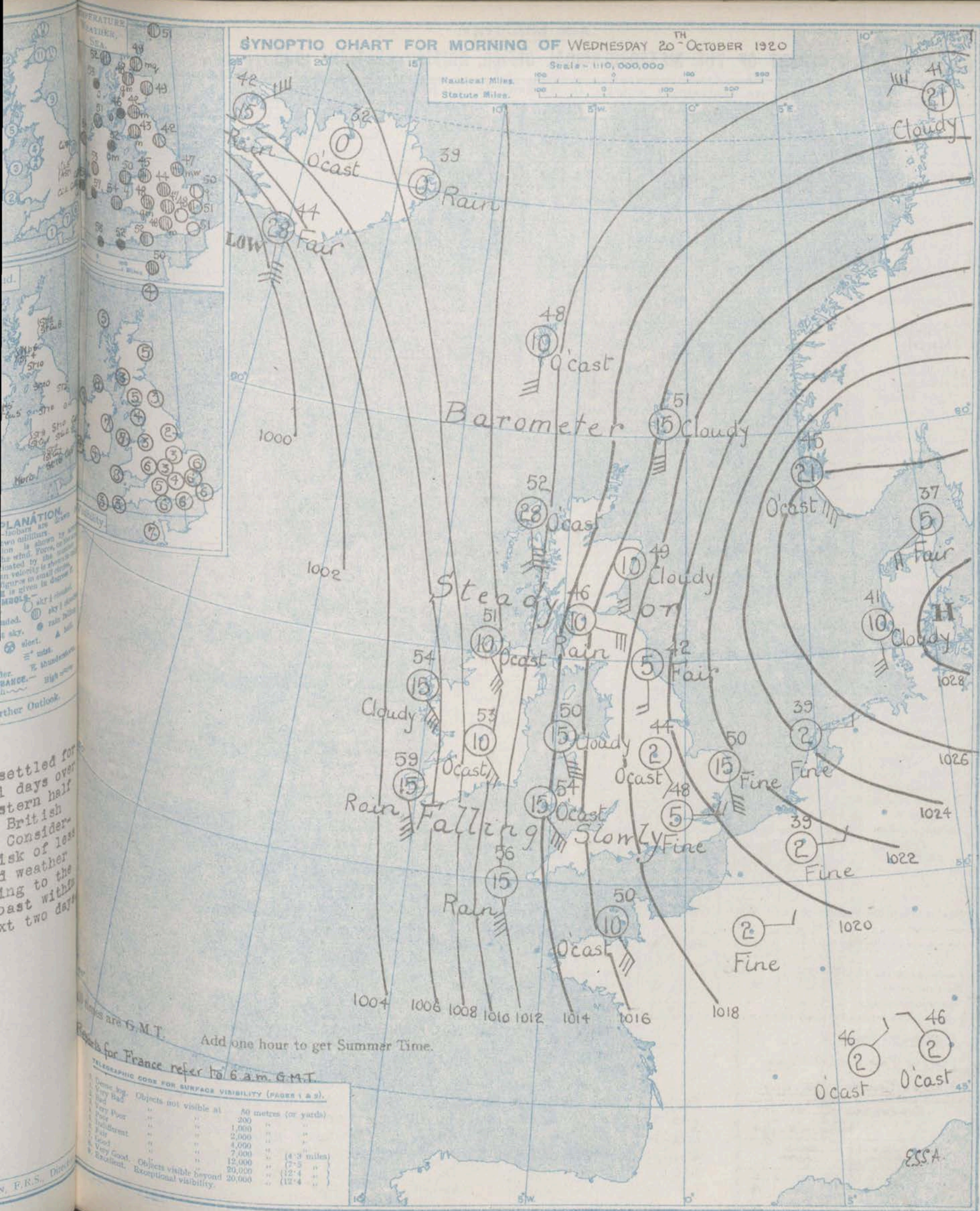
SEA DISTURBANCE.—High seas
Rough

Unsettled for
several days over
the Western half
of the British
Isles. Consider-
able risk of less
settled weather
spreading to the
East Coast within
the next two days

SYNOPTIC CHART FOR MORNING OF WEDNESDAY 20TH OCTOBER 1920

Scale = 110,000,000

Nautical Miles.
Statute Miles.



Add one hour to get Summer Time.

TELEGRAPHIC CODE

GRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).			
Due to fog.			
Bad			
Very Poor			
Poor			
Insufficient			
Fair			
Good			
Very Good			
Excellent			
Objects not visible at	50 metres (or yards)		
	200		
	1,000		
	2,000		
	4,000		
	7,000		
	12,000		
	20,000		
	20,000		
Objects visible beyond			
Receptioanal viability.			

N. F. R. S., Director

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 294.

WEDNESDAY
20th OCTOBER 1920

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

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-19h.	Day. 9h-17h.	to 17h.	Sunrise to Sun- set.			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-19h.	Day. 9h-17h.	to 17h.	Sunrise to Sun- set.
Scotland.	Oban	c.c.	bc	48	41	-	-	0.3	5.3	England, N.W.	Douglas (I.O.M.)								
	Banff	c.bc.	c.bc.	50	46	-	-	1.1	5.5		Blackpool	c	c	50	33	-	-	1.1	5.5
	Montrose	c	cf	49	39	1	-	2.0	3.9		Southport	c.o.c.	c.bc.c	49	32	-	-	1.0	4.8
	St. Andrews ...										MORCAMBE								
England, N.E.	Harrogate	c.bc.c.	c.bc.	52	35	-	-	3.0	3.2	Midlands.	Buxton								
	Scarborough ...										Leamington Spa...	c.c.b	c	53	33	-	-	2.3	9.5
	Skegness	b	b	54	46	-	-	7.2	8.3		Malvern	c.c.	bc.b.	50	36	-	-	0.2	9.7
	Lowestoft	bc	bc	51	46	-	-	8.0	6.5		Bath	a	a	51	36	-	-	0.4	7.0
England, E.	Felixstowe	bc	b	52	48	-	-	7.6	6.7	Wales.	Rhyl	c	c.o	48	32	-	-	3.7	6.3
	Southend-on-Sea...	c.bc	bc	54	45	-	-	7.7	6.0		Colwyn Bay	*	*	49	39	-	-	1.6	7.2
									Llandudno		*	*	50	38	-	-	2.5	9.0	
									Aberystwyth ...		c.bc	a	51	41	-	-			
England, S.E.	Tunbridge Wells	b	b.b2	53	41	-	-	7.8	5.6	England, S.W.	Tenby							0.0	9.0
	Margate	b	b	52	45	-	-	7.3	0.0		Swansea	*	*	50	42	-	-	0.0	9.1
	Ramsgate	*	*	55	48	-	-	7.5	1.5		Weymouth	a	a	51	42	-	-	0.0	8.7
	Folkestone	bc.b.	b	53	44	-	-	7.8	0.0		Teignmouth ...	a	a	52	42	-	-	0.0	8.6
	Hastings	b	bc.c	54	44	-	-	5.6	0.0	Torquay	ad.	a	54	43	-	-	0.0	8.3	
	Eastbourne	c.c.	c.bc.c.o	52	45	-	-	2.4	3.7	Paignton	ad.	og/h	54	42	Trace	-	0.0	9.6	
	Brighton	a	a	55	45	-	-	0.9	7.3	Penzance	a	a	55	43	-	-	0.0	9.6	
	Worthing	a	a	53	44	-	-	0.3	8.5	Newquay	a	og	52	37	-	-	0.0	9.5	
	Littlehampton ...	a.c.m	a.c.m	53	44	-	-	0.0	8.0	Bude	a	c	49	35	-	-	0.1	9.2	
	Portsmouth (S. base)	*	*	52	45	-	-	0.0	8.5	Ilfracombe	c.c.a	a	52	45	-	-	0.0	9.2	
	Bournemouth ...	*	*	51	40	-	-	0.0	9.2	Weston-s-Mare ...	a	a	51	35	-	-			
	Ventnor (I. of W.)	*	*	53	45	-	-	0.0	9.1										

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sun.	
	7h-13h.	13h-18h.	Max. F.	Min. F.	Night. 17h-18h.	Day. 9h-17h.	Night. 17h-18h.	Sun. Hours.
Renfrew ...	c.c.f.	c.o.f.	52	32	33	0.4	2.2	
Eskdalemuir ...	c.o.	c.o.b.c.	50	29	30	-	3.3	
Valencia (Cahire'n)	bc.c.c.	bc.c.c.	54	44	44	18	4	0.0
Baldonnel ...	c.o.f.	c.o.f.	53	43	43	18	0	0.5
Manchester (Alex. Pk.)	c.o.f.	c.o.f.	52	34	26	-	-	4
Ross on Wye...	c.o.f.	c.o.f.	50	30	40	-	-	0.2
Falmouth ...	c.o.f.	c.o.f.	51	30	46	-	-	0.0
Caishot (Hants)...	c.o.f.	c.o.f.	50	30	46	-	-	0.0
Lymington (Folkstone)	c.o.f.	c.o.f.	50	30	46	-	-	8.4
Aberdeen ...	c.o.f.	c.o.f.	50	42	44	-	-	2.1
Howden ...	c.o.f.	c.o.f.	52	34	28	4	2	6.5
Cranwell (Lines) ...	c.o.f.	c.o.f.	53	3	26	-	-	8.3
Felixstowe ...	c.o.f.	c.o.f.	54	47	4	-	-	8.6
Shoeburyness ...	c.o.f.	c.o.f.	53	35	28	-	-	7.9
Benson ...	c.o.f.	c.o.f.	53	40	24	-	-	8
S. Farnborough ...	c.o.f.	c.o.f.	54	43	26	-	-	2.2
London (Kew Obs.)	c.o.f.	c.o.f.	53	44	34	-	-	6.1
Croydon ...	c.o.f.	c.o.f.	54	39	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.

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	0.3-0.8
2	4-7	0.8-1.5
3	8-12	1.5-2.2
4	13-18	2.2-3.0
5	19-24	3.0-3.7
6	25-31	3.7-4.4
7	32-38	4.4-5.1
8	39-46	5.1-5.8
9	47-54	5.8-6.5
10	55-63	6.5-7.2
11	64-75	7.2-8.3
12	Above 75	8.3 or above

SYMBOLS.

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

LONDON OBSERVATIONS.

	Morning.	Afternoon.	Night.	Max. F.	Min. F.	Rainfall.	Sun.	Humid. (G.M.T.)	G.M.T.
	24 HOURS ENDED 9H G.M.T. 20 th						YESTERDAY. To-day.		
Greenwich (Royal Observatory)	b	b.	a. bc. s	50	38	32	-	7.3	71 81
City (Bunhill Row)	"	"	"	"	"	"	"	4.9	" "
Westminster (St. James's Park)	"	"	bm	54	46	38	-	5.6	62 78
Camden Sq. (British Rainfall)	c. bc	bc	"	55	44	36	-	"	66 95
Kensington Palace	bc	b. bc	"	54	41	36	-	"	78 (18h) 80
Hampstead Observatory ...	"	"	"	52	44	37	-	5.6	" 86

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Total	Average Rate.	Maximum Rate.
	61.5	16.2	32

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

20th & 21st OCTOBER 1920			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	6.21	11.31	4.41
Greenwich	6.30	11.40	4.50
Wick	6.35	11.45	4.55
Valencia	6.40	11.50	5.00

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

Exposure from 19th 18h to 20th 5h 30m.			
Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	11 30	5 115	50
8 Ursae Minoris	11 30	4 53	43

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell heavily in Ireland, 25mm at Velencia, 8mm at Birr Castle and 7mm at Blacksod Point, but elsewhere there was little or none. A slight frost occurred locally in the North. Sunshine records were mostly very good over Eastern England, exceeding 8 hours in several instances.

* Information for these columns not usually received.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. B21,518 THURSDAY, 21ST OCTOBER 1920.

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

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.																															
TEMPERATURE.		1H. G.M.T. OF 20 TH										12H. G.M.T. OF 20 TH										18H. G.M.T. OF 20 TH									
Max. °F.	Min. °F.	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.	Am't. 0-10.	Upper Cloud. Form.	Am't. 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.	Am't. 0-10.	Upper Cloud. Form.	Am't. 0-10.	Sea 0-9.		
54	43	1015.3	-1	SE	4	02f	52	75	5	3,000	StCu	10	-	-	-	1014.7	0	SE	2	02f	50	85	4	2,000	Nb	10	-	-	-		
57	48	1016.2	-2	SE	3	02f	49	85	5	2,000	St	10	-	-	-	1015.6	0	S	1	02f	47	85	4	2,000	St	10	-	-	-		
66	50	1006.7	0	SSE	4	0	61	85	7	1,250	StCu	7	-	-	-	1006.8	0	S	4	0	58	92	7	1,250	StCu	8	-	-	-		
80	59	1011.2	-2	S	4	0	57	85	8	2,000	StCu	7	ASc	2	-	1011.0	0	-	0	bc	56	85	6	1,250	StCu	4	ASc	2	-		
77	54	1017.3	-2	SE	3	02f	51	85	4	2,000	St	10	-	-	-	1016.1	0	SSE	3	02f	51	85	4	3,000	St	10	-	-	-		
70	52	1017.2	-1	SSE	2	01f	51	85	6	1,250	St	10	-	-	-	1016.6	-1	SE	2	02f	52	85	5	1,250	St	10	-	-	-		
72	61	1014.5	-1	SE	4	02f	54	97	5	-	Nb	10	-	-	-	1013.9	0	SSE	4	02f	56	97	3	-	Nb	10	-	-	-		
73	64	1018.0	0	SSE	3	01f	54	85	7	2,000	St	10	-	-	-	1017.2	0	SSW	3	01f	53	85	7	2,000	StCu	10	-	-	-		
82	70	1019.5	-2	SE	3	bif	52	65	7	-	-	-	ClSt	1	-	1018.6	-1	E	2	bif	43	85	6	-	-	-	ClSt	1	-		
82	70	1017.2	-1	S	4	02f	51	85	5	2,000	St	10	-	-	-	1015.7	-1	S	1	02f	51	85	5	2,000	St	10	-	-	-		
82	70	1019.0	-1	SSE	3	C2	53	75	8	-	-	-	ClSt	8	-	1018.9	+1	SE	2	b	44	92	5	-	-	-	ClSt	3	-		
84	70	1014.5	-2	SE	4	0	55	65	6	5,000	Cu	2	ClSt	5	-	1019.2	0	SE	3	b2	52	85	6	5,000	Cu	1	-	-	-		
86	66	1020.5	-1	S	3	b	55	65	6	-	-	-	-	-	-	1018.4	-2	SE	1	bwif	48	75	6	-	-	-	ASc	1	-		
		1019.5	-2	SE	1	b	55	65	6	-	-	-	ASc	2	-	1018.4	-2	SE	1	bwif	48	75	6	-	-	-	ASc	1	-		
		1019.2	-1	SE	2	0	53	75	4	-	St	9	-	-	-	1017.1	0	-	0	b	44	92	6	-	-	-	-	-	-		
		1018.4	-1	SE	3	01f	55	65	6	3,000	StCu	4	-	-	-	1017.8	0	ESE	2	b3f	44	92	3	1,250	St	2	Cl	1	-		
		1018.5	-3	SE	2	bc2	57	65	6	4,200	Cu	5	Cl	1	-	1017.7	0	SSE	1	bmw	48	75	3	-	-	-	Cl	3	-		
		1019.3	-1	SE	3	bif	56	65	6	-	-	-	Cl	2	-	1018.8	0	S	1	bmw	46	85	3	-	-	-	Cl	3	-		
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																															
TEMP.		7H. G.M.T. OF 21 ST										18H. G.M.T. OF 21 ST										24 HOURS ENDED 7H. 21 ST									
Max. °F.	Min. °F.	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.	Am't. 0-10.	Upper Cloud. Form.	Am't. 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.	Am't. 0-10.	Upper Cloud. Form.	Am't. 0-10.	Sea 0-9.		
54	43	1015.3	-1	SE	4	02f	52	75	5	3,000	StCu	10	-	-	-	1014.7	0	SE	2	02f	50	85	4	2,000	Nb	10	-	-	-		
57	48	1016.2	-2	SE	3	02f	49	85	5	2,000	St	10	-	-	-	1015.6	0	S	1	02f	47	85	4	2,000	St	10	-	-	-		
66	50	1006.7	0	SSE	4	0	61	85	7	1,250	StCu	7	-	-	-	1006.8	0	S	4	0	58	92	7	1,250	StCu	8	-	-	-		
80	59	1011.2	-2	S	4	0	57	85	8	2,000	StCu	7	ASc	2	-	1011.0	0	-	0	bc	56	85	6	1,250	StCu	4	ASc	2	-		
77	54	1017.3	-2	SE	3	02f	51	85	4	2,000	St	10	-	-	-	1016.1	0	SSE	3	02f	51	85	4	3,000	St	10	-	-	-		
70	52	1017.2	-1	SSE	2	01f	51	85	6	1,250	St	10	-	-	-	1016.6	-1	SE	2	02f	52	85	5	1,250	St	10	-	-	-		
72	61	1014.5	-1	SE	4	02f	54	97	5	-	Nb	10	-	-	-	1013.9	0	SSE	4	02f	56	97	3	-	Nb	10	-	-	-		
73	64	1018.0	0	SSE	3	01f	54	85	7	2,000	St	10	-	-	-	1017.2	0	SSW	3	01f	53	85	7	2,000	StCu	10	-	-	-		
82	70	1019.5	-2	SE	3	bif	52	65	7	-	-	-	ClSt	1	-	1018.6	-1	E	2	bif	43	85	6	-	-	-	ClSt	1	-		
82	70	1017.2	-1	S	4	02f	51	85	5	2,000	St	10	-	-	-	1015.7	-1	S	1	02f	51	85	5	2,000	St	10	-	-	-		
82	70	1019.0	-1	SSE	3	C2	53	75	8	-	-	-	ClSt	8	-	1018.9	+1	SE	2	b	44	92	5	-	-	-	ClSt	3	-		
84	70	1014.5	-2	SE	4	0	55	65	6	5,000	Cu	2	ClSt	5	-	1019.2	0	SE	3	b2	52	85	6	5,000	Cu	1	-	-	-		
86	66	1020.5	-1	S	3	b	55	65	6	-	-	-	-	-	-	1018.4	-2	SE	1	bwif	48	75	6	-	-	-	ASc	1	-		
		1019.5	-2	SE	1	b	55	65	6	-	-	-	ASc	2	-	1018.4	-2	SE	1	bwif	48	75	6	-	-	-	ASc	1	-		
		1019.2	-1	SE	2	0	53	75	4	-	St	9	-	-	-	1017.1	0	-	0	b	44	92	6	-	-	-	-	-	-		
		1018.4	-1	SE	3	01f	55	65	6	3,000	StCu	4	-	-	-	1017.8	0	ESE	2	b3f	44	92	3	1,250	St	2	Cl	1	-		
		1018.5	-3	SE	2	bc2	57	65	6	4,200	Cu	5	Cl	1	-	1017.7	0	SSE	1	bmw	48	75	3	-	-	-	Cl	3	-		
		1019.3	-1	SE	3	bif	56	65	6	-	-	-	Cl	2	-	1018.8	0	S	1	bmw	46	85	3	-	-	-	Cl	3	-		
		1H. G.M.T. OF 21 ST														7H. G.M.T. OF 21 ST															
54	43	1015.0	0	-	0	03f	47	92	3	-	St	10	-	-	-	1012.3	-1	NE	2	04f	50	92	2	2,000	Nb	10	-	-	-		
57	48	1006.2	0	SSE	6	bc2f	52	85	7	1,250	StCu	4	-	-	-	1006.9	+1	S	3	bc	55	85	7	2,000	Cu	6	-	-	-		
66	50	1010.4	+1	ENE	4	?	57	85	8	1,250	StCu	4	-	-	-	1009.8	0	S	2	bc	57	75	8	2,000	St	5	-	-	-		
80	59	1017.3	-2	SE	3	02f	51	85	4	2,000	St	10	-	-	-	1016.2	-2	ESE	3	03f	49	85	3	2,000	St	10	-	-	-		
77	54	1017.2	-1	SSE	2	01f	51	85	6	1,250	St	10	-	-	-	1016.6	0	E	1	03f	50	85	6	2,000	St	9	ASc	1	-		
70	52	1013.4	-1	SSE	4	0k	56	97	3	-	St	10	-	-	-	1012.0	-1	S	3	0E	56	97	3	-	Nb	10	-	-	-		
72	61	1018.0	-2	ESE	1	01f	51	92	6	2,000	St	10	-	-	-	1013.1	-2	E	2	02f	52	92	5	2,000	St	10	-	-	-		
73	64	1017.9	-1	-	0	bmw	48	85	6	-	-	-	-	-	-	1010.6	-1	NE	1	omax	42	92	5	2,000	StCu	9	Cl	1	-		
82	70	1017.9	-1	-	0	bmw	48	85	6	-	-	-	-	-	-	1014.4	0	SSW	1	03f	50	92	2	1,250	St	10	-	-	-		
82	70	1016.9	-2	SSE	1	bmw	37	97	5	4,200	St	2	-	-	-	1015.9	+1	-	0	0kx	34	97	4	4,5							

* 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. 21. 10. 20.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Dull, foggy, frosty.	V.Bad.	Smooth
2. E. England	Fair to fine, some fog or mist.	Indif.	V. Smooth
3. E. Midlands	Foggy, frosty.	V. Poor	-
4. W. Midlands	Dull, foggy.	Poor	-
5. S.W. England	Dull, local mist.	Indif.	Slight
6. South Wales	Dull misty, local drizzle	Indif.	Mod.
7. North Wales	Dull, local fog.	Fair.	Smooth
8. N.W. England	Dull foggy.	V. Poor	Slight
9. N. Midlands	Dull, foggy, frosty.	V. Poor	-
10. N.E. England	Foggy.	V. Poor	Smooth
11. E. Scotland	Dull, misty.	V. Poor	Slight
12. S.W. Scotland	Cloudy, misty.	Poor.	Slight
13. Isle of Man	Dull misty.	Poor	Slight
14. N. & N.W. Scotland	Fair to cloudy, misty.	Poor	R. Rough
15. Hebrides	Dull some rain.	Fair.	Rough
16. Orkneys and Shetlands	Cloudy misty.	V. Poor	V. Smooth
17. N.W. Ireland	Fair to cloudy.	Good	Mod.
18. N.E. Ireland	Dull, some rain.	Indif.	Slight
19. S.E. Ireland	Foggy.	Dense fog	Slight
20. S.W. Ireland	Fair.	Good.	Slight.

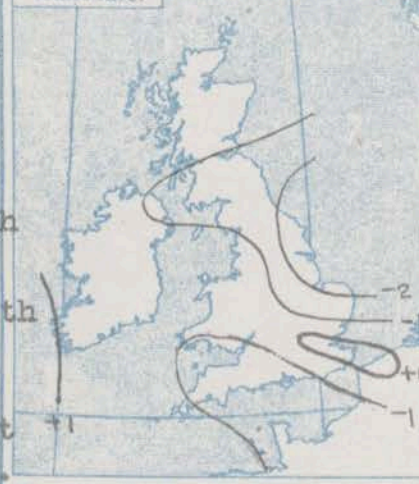
Temperature reported from Coastal and Cross Channel Steamers.

Position Number.	Date	Time G.M.T.	Sea °F	Air °F
10	20 th	07.25	54	52
3	20 th	09.25	56	53
5	20 th	08.12	55	54
6	20 th	14.20	59	59
2	21 st	01.10	56	55
7	21 st	02.15	59	55
12	21 st	03.30	54	56

CHART OF POSITION NUMBERS and Upper Cloud



Isallobars.



Barometric change from 4 h. to 7 h. (half millibars).

Lower Cloud.



EXPLANATION

BAROMETER.—Isobars are shown at intervals of two millibars. Direction of the wind force, indicated by the number 0-12, is indicated by the number of feathers. Mean velocity is shown in feet per hour by figures in small circles.

TEMPERATURE SYMBOLS.—sky; cloudy; overcast sky; snow; fog; thunder.

SEA DISTURBANCE.—Rough; Slight.

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

The Atlantic depression remains quiescent and the South-Eastern districts are not yet threatened. In other districts unsettled conditions are likely to be maintained.

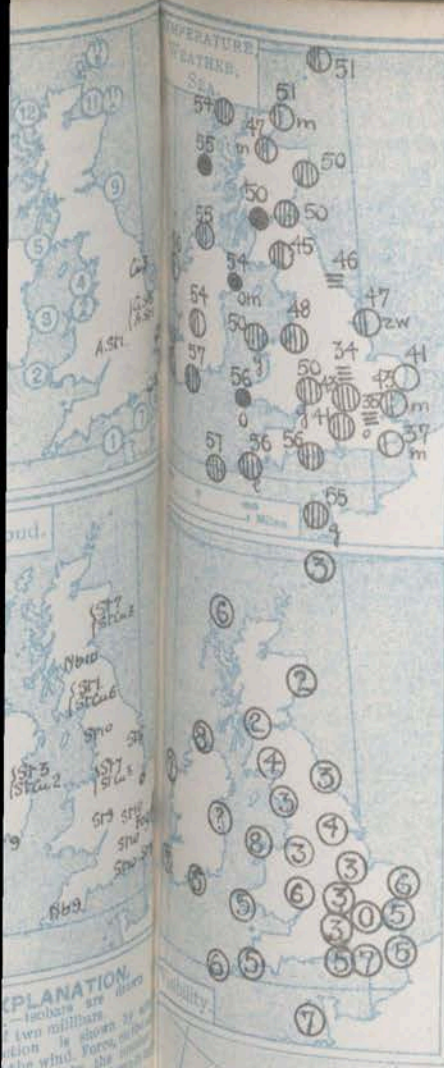
Districts. Forecasts for the 24 hours commencing 15h G.M.T. Thursday 21st. October, 1920.

1. S.E. England	Wind light South-East or South; mainly fair or fine but much cloud in places; visibility fair after morning mist or fog; moderate temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	Wind Southerly light or moderate, stronger locally; mainly cloudy or overcast, rain or drizzle in places; visibility fair but local mist; temperature moderate to rather mild.
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	
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 unsettled with rain or drizzle at times in all districts except 1 - 3.

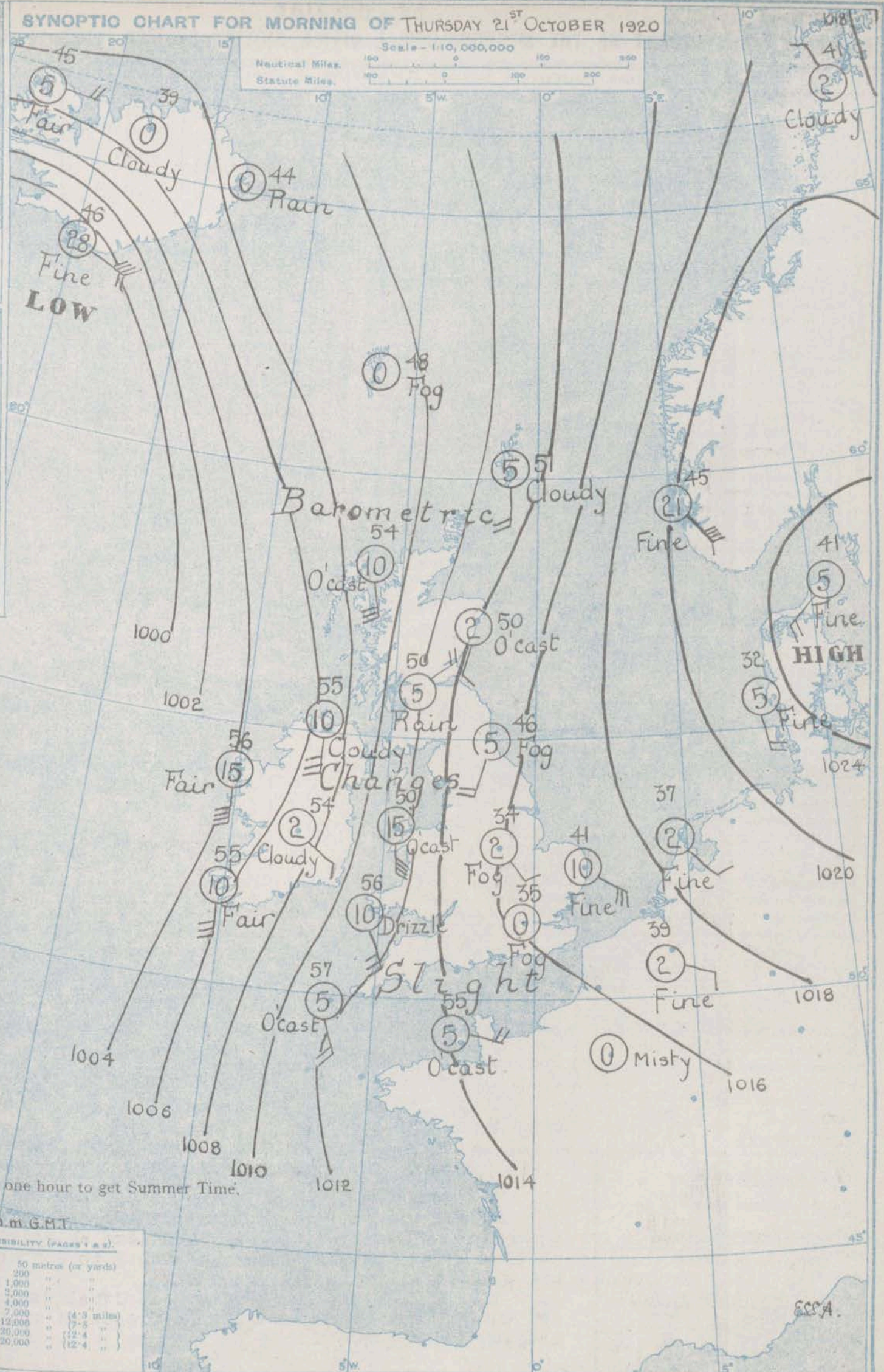
SYNOPTIC CHART FOR MORNING OF THURSDAY 21ST OCTOBER 1920

Scale - 1:10,000,000
Nautical Miles. 100 0 100 200
Statute Miles. 160 0 160 320



EXPLANATION
Isobars are shown at two millibars. The wind force is shown by the number of flags. The direction is indicated by a short arrow. The amount of rain is given in small figures. The amount of snow is given in small figures. The amount of fog is given in small figures. The amount of mist is given in small figures. The amount of drizzle is given in small figures. The amount of sleet is given in small figures. The amount of hail is given in small figures. The amount of ice is given in small figures. The amount of snow is given in small figures. The amount of rain is given in small figures. The amount of fog is given in small figures. The amount of mist is given in small figures. The amount of drizzle is given in small figures. The amount of sleet is given in small figures. The amount of hail is given in small figures. The amount of ice is given in small figures.

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3.



Add one hour to get Summer Time.

times are G.M.T.
Reports for France refer to 8.5 a.m. G.M.T.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).

Objects not visible at	50 metres (or yards)
1. Dense fog	200
2. Very bad	100
3. Very poor	50
4. Poor	25
5. Indifferent	10
6. Fair	5
7. Good	2
8. Very Good	1
9. Excellent	0.5
Objects visible beyond	20,000
Exceptional visibility	20,000

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 295

Thursday
21 OCTOBER

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

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-20h.	Day. 09h-17h.	to 17h.	Sunrise to Sun- set.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-20h.	Day. 09h-17h.	to 17h.	Sunrise to Sun- set.
Scotland.	Oban	ot	o	52	41	-	-	0.0	0.3	England, N.W.	Douglas (I.O.M.)						
	Banff	o.c	o.c	52	43	-	-	0.7	1.1		Blackpool	o	o	52	41	-	-
	Montrose	c	of	51	44	-	-	0.0	2.0		Southport	o.c.o	o.c.o	52	42	-	-
	St. Andrews	o	o	50	37	1	-	0.0	?		MORECAMBE	x	x	53	44	-	-
England, N.E.	Harrogate	o.c.x	c.o.x	48	34	-	-	0.0	3.0	Midlands.	Buxton						
	Scarborough	b	b	57	44	-	-	3.7	?		Leamington Spa	o.c.b	c.b	53	38	-	-
	Skegness	b	b	56	47	-	-	8.4	7.2		Malvern	z	z	51	44	-	-
England, E.	Lowestoft	bc	bc	56	48	-	-	8.8	8.0		Bath	o	o	53	49	-	-
	Felixstowe	bz	b	56	51	-	-	8.0	7.6		Rhyl	c	c	56	49	-	-
	Southend-on-Sea	b	b	57	43	-	-	8.4	7.7		Colwyn Bay	*	*	57	34	-	-
England, S.E.	Tunbridge Wells	b	b	55	38	-	-	8.7	7.8		Llandudno	*	*	56	48	-	-
	Margate	b	b	55	45	-	-	7.6	7.3		Aberystwyth	o.c.o	c.o	55	48	-	-
	Ramsgate	*	*	54	43	-	-	8.0	7.5		Tenby						
	Folkestone	b	b	59	44	-	-	8.1	7.8		Swansea	*	*	54	49	-	-
	Hastings										Weymouth	bc	c	60	50	-	-
	Eastbourne	bc.b	b	55	50	-	-	8.4	2.4		Teignmouth	o	o	56	53	-	-
	Brighton	b	b	57	48	-	-	8.6	0.9		Torquay	o	c	55	53	-	-
	Worthing	bc.b	b	58	48	-	-	7.8	0.3		Paignton	o	o	55	51	-	-
	Littlehampton	a.c.m	b.c.m	56	47	-	-	4.6	0.0		Penzance	ot	od	56	52	9	1
	Portsmouth (S. Sea)	*	*	54	50	-	-	0.0	0.0		Newquay	o.m.d	o.m.d	55	50	2	0.3
	Bournemouth	*	*	55	46	-	-	0.5	0.0		Bude	c.p.d	c	45	47	1	2
	Ventnor (I. of W.)	*	*	55	51	-	-	0.0	0.0		Ilfracombe	o	o	56	45	-	-
											Weston-s-Mare	o.b.c.c	c.o	56	48	-	-

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 ...	o.z.f	o.z.f	o.z.f	o.z.f	52	40	4.7	0.4	0.4	2.7
Eskdalemuir ...	o.z.f	o.z.f	o.z.f	o.z.f	49	42	3.9	-	-	0.0
Valencia (Cahirely) ...	o.z.f	o.z.f	o.z.f	o.z.f	62	52	4.9	3	5	1.9
Baldonnel ...	o.z.f	o.z.f	o.z.f	o.z.f	62	51	4.9	2	Grace	3.0
Manchester (Alex. Pk.)	o.z.f	o.z.f	o.z.f	o.z.f	52	46	4.1	-	-	+
Ross on Wye...	o.z.f	o.z.f	o.z.f	o.z.f	52	48	4.6	-	-	0.0
Falmouth ...	o.z.f	o.z.f	o.z.f	o.z.f	57	51	5.0	9	4	0.0
Calshot (Hants)...	o.z.f	o.z.f	o.z.f	o.z.f	55	50	4.8	-	-	0.0
Lympne (Folkstone)	o.z.f	o.z.f	o.z.f	o.z.f	40	27	-	-	-	9.2
Aberdeen ...	o.z.f	o.z.f	o.z.f	o.z.f	52	45	4.2	-	-	0.0
Howden ...	o.z.f	o.z.f	o.z.f	o.z.f	55	53	2.8	-	-	7.1
Cranwell (Lines) ...	o.z.f	o.z.f	o.z.f	o.z.f	55	31	2.4	-	-	7.5
Felixstowe ...	o.z.f	o.z.f	o.z.f	o.z.f	56	36	-	-	-	8.4
Shoeburyness ...	o.z.f	o.z.f	o.z.f	o.z.f	55	33	3.1	-	-	9.0
Benson ...	o.z.f	o.z.f	o.z.f	o.z.f	55	39	3.1	-	-	*
S. Farnborough ...	o.z.f	o.z.f	o.z.f	o.z.f	56	33	2.9	-	-	2.3
London (Kew Obs.) ...	o.z.f	o.z.f	o.z.f	o.z.f	58	35	3.0	-	-	8.2
Croydon ...	o.z.f	o.z.f	o.z.f	o.z.f	57	35	4	-	Grace	+

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.
s sleet, i.e., rain and snow together.
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.f. = 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	0.3-1.5
1	1-5	1.6-1.9
2	6-7	2.0-2.4
3	8-12	2.5-3.3
4	13-18	3.4-5.0
5	19-24	5.1-6.7
6	25-31	6.8-8.5
7	32-38	8.6-10.7
8	39-46	10.8-12.8
9	47-54	12.9-15.0
10	55-63	15.1-17.7
11	64-75	17.8-20.7
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 Sensor. Hours.	HUMIDITY %	
	Morning.	Afternoon.	Night.						15 h.	9 h.
									G.M.T.	G.M.T.
	24 HOURS ENDED 9h G.M.T. 21 st							YESTERDAY.	TO-DAY.	
Greenwich (Royal Observatory)	b	b.m	b.x.b.m.b.m.	58	34	25	-	8.9	59	94
City (Bunhill Row)	*	*	*	*	*	*	*	6.2	*	*
Westminster (St. James's Park)	b.	b	f.	59	40	33	-	6.8	57	92
Camden Sq. (British Rainfall)	f.c.b.c	b.c.c		58	35	32	-	*	64	99
Kensington Palace	b.	b	*	58	34	29	-	*	72 (18h)	99
Hampstead Observatory	b.f.	b.c.	b.c.d.b.f.	56	38	31	-	5.9	*	98

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	HUMIDITY %	
	15h.	9h.
Total	68.0	90.0
Average Rate.	18.2	
Maximum Rate.	37	

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

Stations.	21 st AND 22 nd OCTOBER 1920.	
	Sunrise.	Noon.
Yarmouth	6.30	11.38
Greenwich	6.32	11.38
Wick	6.35	11.45
Valencia	6.37	11.57

Photographic Record of

Pole Star (Polaris) and of 3 Ursae

Minoris at Greenwich Observatory.

Exposure from 20th 18h. to 21st 05h. 30m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	11. 30	10. 39	92
3 Ursae	11. 30	9. 44	85

NOTES ON THE WEATHER OF YESTERDAY.

Rain again fell in the West and North the measurements amounting to 19mm at Stornoway and 13mm at Falmouth. Weather continued fine in the Southeast with 8 to 9 hours of sunshine but elsewhere little was recorded.

The maximum temperature at most localities was between 55° and 60°, but there were ground frosts at night in the Eastern districts.

* Information for these columns not usually received.

LONDON

1920.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B 21519 FRIDAY... 22ND... OCTOBER... 1920.

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

STATIONS	12H. G.M.T. OF 21 ST												18H. G.M.T. OF 21 ST												
	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.	Upper Cloud. 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.	Upper Cloud. Amt. 0-10.	Sea 0-9	
	mb.												mb.												
Renfrew ...	1013.0	-1	NE	2	03f	52	92	2	2000	Sc	10	-	1012.8	+1	-	0	03f	53	92	2	2000	Sc	10	-	-
Eskdalemuir ...	1013.1	-1	S	1	02f	53	85	5	2000	Sc	10	-	1013.5	+1	-	0	0m	52	85	5	-	Sc	10	-	-
Valencia (Cahire'n)	1007.4	+1	S	5	bc	61	78	7	2000	Sc	6	-	1009.9	+3	S	3	b	56	92	7	2000	Sc	3	-	4
Baldonnel ...	1010.0	0	S	3	04f	61	78	7	2000	Sc	5	A 5	1011.4	+1	SE	2	bcf	50	92	6	2000	Sc	2	A 4	4
MANCHESTER (Alex. R.)	1014.1	-1	SE	2	04m	58	85	4	1250	Nb	10	-	1013.7	0	SSE	1	03f	53	85	2	750	Sc	10	-	-
Ross on Wye ...	1014.0	-1	S	2	04f	56	76	6	2000	Sc	8	A 5	1014.0	+1	W	1	04m	54	85	5	1250	Sc	10	-	-
Falmouth ...	1012.3	-1	SW	3	b	62	85	7	-	Cu N	3	-	1012.9	+1	-	0	03fe	56	97	2	-	Nb	10	-	-
Calshot (Hants) ...	1014.8	-2	A	2	04f	56	85	6	2000	Sc	10	-	1014.4	+2	E	2	01f	55	85	7	2000	Sc	3	A 4	4
Lymington (Folkestone)	1014.8	-3	SE	2	04f	55	75	5	2000	Sc	1	A 5	1015.3	0	-	0	bc	47	85	5	-	-	A 4	2	-
Aberdeen ...	1013.5	-1	S	3	04fe	58	85	4	1250	Sc	8	-	1013.8	+1	SSW	3	03fe	51	92	3	2000	Sc	2	-	-
Howden ...	1015.0	-1	SSE	2	04f	54	76	5	2000	Sc	1	A 3	1014.9	+1	-	0	bc	43	97	3	2000	Sc	2	A 5	3
Cranwell (Lincs) ...	1015.9	-2	SE	2	bc	53	75	4	1250	Sc	4	A 4	1016.0	+1	S	1	0	46	97	4	2000	Sc	10	-	-
Felixstowe ...	1015.8	-2	-	0	04f	57	75	5	-	-	-	-	1015.5	+1	SE	2	04f	51	75	6	-	-	A 4	1	-
Shoeburyness ...	1015.1	-2	-	0	04fe	57	75	5	-	-	-	-	1014.5	0	-	0	03fe	44	85	4	1250	Sc	1	-	-
Benson ...	1013.0	-1	SE	1	02f	53	75	3	-	Sc	10	-	1014.4	0	SE	1	0	51	92	5	-	Sc	10	-	-
S. Farnborough ...	1014.6	-2	SSE	2	03	56	75	6	2000	Sc	8	A 1	1014.9	+1	SSE	1	03f	49	92	3	1250	Sc	3	A 4	5
London (Kew Obs.)	1014.7	-3	SSE	1	04	55	75	5	-	-	-	-	1014.9	+1	-	0	03fw	48	92	3	1250	-	A 4	5	-
Croydon ...	1016.5	-1	SE	3	04f	56	75	6	1250	Cu	4	A 5	1015.4	0	S	1	03f	50	92	3	2000	Sc	4	A 5	5
1H. G.M.T. OF 22 ND																									
Renfrew ...	1015.3	+1	-	0	04fe	50	97	2	750	Sc	10	-	1016.2	+2	SE	3	04fe	49	97	2	750	Sc	10	-	-
Eskdalemuir ...	1015.8	+2	WSW	3	bc	55	*	*	*	*	*	*	1017.3	+2	-	0	04fe	49	97	2	750	Sc	10	-	-
Valencia (Cahire'n)	1013.8	+2	WSW	3	bc	55	*	*	*	*	*	*	1014.0	+1	S	3	C	56	92	7	2000	Sc	8	A 4	1
Baldonnel ...	1014.7	+2	-	0	b	48	97	6	*	*	*	*	1016.8	+2	-	0	b	48	97	8	2000	Sc	1	A 5	2
MANCHESTER (Alex. R.)	*	*	*	*	*	*	*	*	*	*	*	*	1018.0	+4	SSE	1	03f	50	97	2	1250	Sc	8	-	-
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	1018.5	+4	E	1	03f	51	97	3	750	Sc	10	-	-
Falmouth ...	1016.3	+2	-	0	03fe	51	97	2	-	-	-	-	1019.3	+2	WSW	2	3fe	49	97	2	-	-	-	-	
Calshot (Hants) ...	*	*	*	*	*	*	*	*	*	*	*	*	1018.3	+4	NNW	1	03f	51	97	3	2000	Sc	10	-	-
Lymington (Folkestone)	1016.3	+1	-	0	03fw	42	97	4	-	-	-	-	1019.1	+4	E	1	bc	42	97	5	2000	Sc	2	A 2	2
Aberdeen ...	1016.3	+1	-	0	07fe	33	97	0	2500	Sc	10	-	1016.1	+2	S	1	04f	51	97	2	2000	Sc	9	-	-
Howden ...	1016.3	+1	-	0	07fe	33	97	0	2500	Sc	10	-	1018.3	+2	-	0	05fe	38	97	2	1250	Sc	10	-	-
Cranwell (Lincs) ...	1017.1	+1	S	1	03fe	38	97	1	2500	Sc	10	-	1019.1	+3	S	1	03fe	43	97	3	2000	Sc	9	-	-
Felixstowe ...	1017.2	+1	N	1	03f	39	97	3	2500	Sc	10	-	1020.0	+5	N	2	51f	39	97	5	-	-	A 3	0	
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	*	1019.3	+4	-	0	07fe	35	92	1	-	-	-	-	
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	1018.4	+3	-	0	02f	49	92	3	-	Sc	10	-	-
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	1019.2	+4	-	0	04f	46	97	2	1250	Sc	10	-	-
London (Kew Obs.)	1016.7	+2	*	*	*	*	*	*	*	*	*	*	1019.2	+4	-	0	05fw	42	97	1	2500	Sc	10	-	-
Croydon ...	1017.1	+1	S	1	062f	40	97	4	-	-	-	-	1020.0	+4	W	1	04fe	41	97	2	2500	Sc	10	-	-
STATIONS CONTRIBUTING REPORTS AT 7H AND 12H.																									
STATIONS	Barom. at M.S.L.	Temp. °F.	Wind. Direc.	Force 0-12	Weather	Barometer. at M.S.L.	Change in 3 hours	Temp. °F.	Change in 24 hours	Wind. Direc.	Force 0-12	Dir. of Upper Cloud.	Weather	Sea 0-9	Rainfall mm.	Temp. Max. °F.	Min. °F.	Morning	Afternoon	Night	Sunshine Hours				
	mb.					mb.																			
Lerwick ...	1013.2	52	S	3	m	1014.4	+2	52	+1	S	2	-	om	1	-	53	50	cm	cm	cm	+				
Stornoway ...	1010.4	52	S	2	0	1011.9	+1	54	0	S	4	-	C	3	2	58	51	0.0	0	0.0	0.7				
Castell Bay (Barrels)	1008.7	55	SE	4	0	1012.8	+2	55	0	S	4	-	0	5	0.1	56	54	0.0	0.0	0.0	1.7				
Malin Head ...	1008.7	54	SSE	2	b	1012.1	+2	50	-5	S	3	S	b	3	-	61	49	bc	bc	b	5.6				
Blackhead Point ...	1005.7	54	S	5	cm	1010.7	+3	54	-2	S	2	-	C	3	2	61	47	bc	bc	cm	*				
Roche's Point ...	1011.5	56	SSW	2	C	1016.5	+2	55	-2	S	2	W	bc3	3	1	60	53	0.0	C	C	7.0				
Birr Castle ...	1009.6	56	SE	2	C	1015.1	-	47	-7	SE	1	-	C	*	0.1	63	45	C	C	ce	*				
Donaghadee ...	1011.4	55	S	2	om	1015.8	+3	45	-9	SW	1	-	bf	1	0.4	58	45	om	om	bc	*				
Liverpool (Bidston)	1012.8	56	SE	3	0	1017.5	+3	49	+1	SE	1	SE	bm	2	-	56	48	0.0	C	C	0.7				
Holyhead ...	1012.0	55	S	4	cg	1016.5	+1	54	+4	SW	4	-	bm	3	0.1	58	50	0.0	C	C	0.4				
Pembroke (St. Mary's)	1012.7	54	S	1	0	1018.0	+2	54	-2	SN	2	-	om	2	2	60	54	0.0	0.0	0.0	4.3				
Scilly (St. Mary's)	1012.7	54	SW	1	C	1018.4	+2	54	-3	W	1	W	bc	3	1	61	53	0.0	bc	bc	1.8				
Jersey (St. Aubin)	1013.3	56	SE	5	ogr	1018.4	+1	55	0	NW	2	-	om	2	7	57	51	0.0	ogr	ogr	0.0				
Portland Bill ...	1013.9	54	SE	4	0	1018.4	+4	55	-1	NE	1	-	bc	4	0.1	59	53	0	0	0	*				
Dungeness ...	1014.3	52	-	0	b	1018.7	+3	54	-3	N	3	SW	bc	3	-	56	54	bc	bc	bc	*				
Wick ...	1011.0	52	SSW	2	b	1013.7	+2	51	0	SSW	2	-	bc	2	-	56	49	bc	bc	bc	*				
Nairn ...	1011.4	52	-	0	C	1014.0	-	45	-2	-	0	-	om	0	-	61	43	om	om	om	1.8				
Leith ...	1011.9	52	SSE	1	0	1015.3	+1	52	+2	E	1	-	m	1	-	56	50	om	C	om	*				
Tynemouth ...	1013.7	50	SW	2	bc	1016.7	+2	50	+4	SW	2	-	cf	2	-	53	45	bc	bc	bc	*				
Spurn Head ...	1014.5	50	SSE	2	bc	1018.1	+2	45	-2	S	1	-	fw	2	-	56	42	bc	bc	bc	*				
Yarmouth (New London)	1016.2	52	SSE	3	b	1019.0	+2	35	-6	NW	2	-	f	1	-	58	35	bc	bc	bc	7.5				
Clacton-on-Sea ...	1014.6	53	SE	3	bc	1018.7	+3	42	-1	NNW	2	-	bc	1	-	58	40	bc	bc	bc	7.8				
Nottingham ...	1015.0	47	S	1	C	1018.8	-	45	+11	E	1	-	om	4	-	56	34	bc	C	C	3.0				

* Information for these columns not usually received.

† The barometric change is in tenths of half millibars.

§ For code see page 3

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 22.10.1920.

Temperature reported from Coastal and Cross Channel Steamers

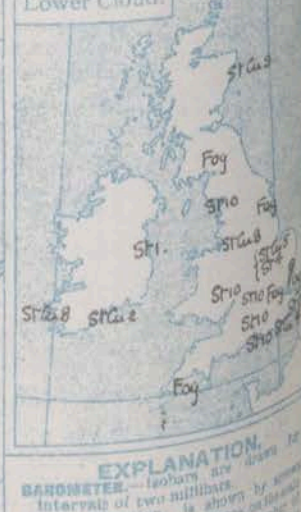
CHART OF POSITION NUMBERS and Upper Cloud

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number	Date	Time G.M.T.	Sea °F.	Air °F.
1. S.E. England	Foggy, local frost.	V. Poor	V. Smooth.	1	21 st	?	59.25	59.25
2. E. England	Foggy.	"	"	5	21 st	0825	55	54
3. E. Midlands	Dull, foggy.	"	"	7	22 nd	0150	57	55
4. W. Midlands	Fair to dull, misty.	Bad.	"	2	22 nd	0200	57	56
5. S.W. England	Fair to dull, foggy.	Var. local fog.	Slight.	48	22 nd	0330	56	56
6. South Wales	Dull, misty.	Indiff.	Smooth.					
7. North Wales	Fine, misty.	"	"					
8. N.W. England	Dull, foggy.	V. Poor	Slight.					
9. N. Midlands	Cloudy to dull, foggy.	Bad	"					
10. N.E. England	Cloudy, some fog.	Poor	Smooth.					
11. E. Scotland	Cloudy, misty.	Bad	"					
12. S.W. Scotland	Foggy.	"	Slight.					
13. Isle of Man	Foggy.	"	Smooth.					
14. N. & N.W. Scotland	Fair to cloudy, some mist.	Fair	V. Sm'th					
15. Hebrides	Cloudy to overcast.	Good	Mod.					
16. Orkneys and Shetlands	Overcast, misty.	V. Poor	V. Sm'th					
17. N.W. Ireland	Cloudy.	Good	Slight.					
18. N.E. Ireland	Fine, some fog.	Indiff.	V. Sm'th					
19. S.E. Ireland	Fine.	Good	Slight.					
20. S.W. Ireland	Fair to cloudy, misty.	"	"					

Isallobars.



Lower Cloud.



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

The Atlantic depression is moving away to Northward and growing less deep. The barometer is rising over the British Isles generally and except for local showers in the West, weather will be mainly fair. Much mist or fog is, however, probable especially in England.

EXPLANATION.
 BAROMETER.—Isobars are drawn at intervals of two millibars.
 WIND.—Direction is shown by arrow flying with the wind. Force on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
 TEMPERATURE.—Is given in degrees F.
 WEATHER SYMBOLS.—
 ☉ clear sky.
 ☁ sky 1 clouded.
 ☁☁ overcast sky.
 * snow.
 * * * * * sleet.
 ≡≡≡≡≡≡ mist.
 T thunder.
 F. thunderstorm.
 SEA DISTURBANCE.—
 Rough High waves.

Further Outlook.

Districts.	Forecasts for the 24 hours commencing 15h.G.M.T. Friday, 22nd October, 1920.
1. S.E. England	Light variable winds; fair or fine, visibility varying from bad to fair, much mist or fog; day temperature moderate, rather cold at night.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Wind S. or S.W., light; fair or cloudy, visibility varying from poor to fair, some mist or fog; day temperature moderate, rather cold at night.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind S. or S.W., light to moderate; fair or cloudy, perhaps local showers or slight rain at times, visibility fair, local mist inland; rather mild.
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	

Fair or fine with light winds and tendency for fog over England generally and Eastern Scotland; outlook doubtful for other districts.

SYNOPTIC CHART FOR MORNING OF FRIDAY 22ND OCTOBER 1920

Scale - 1:10,000,000

Nautical Miles.
Statute Miles.

EXPLANATION.

When are shown in
millibars
is shown by
wind force, on the
velocity is shown by
in small circles
is given in degrees
of the wind.
sky & clouds
sky & clouds
rain falling
mist.
A hill.
Thunderstorm
high

Other Outlook.

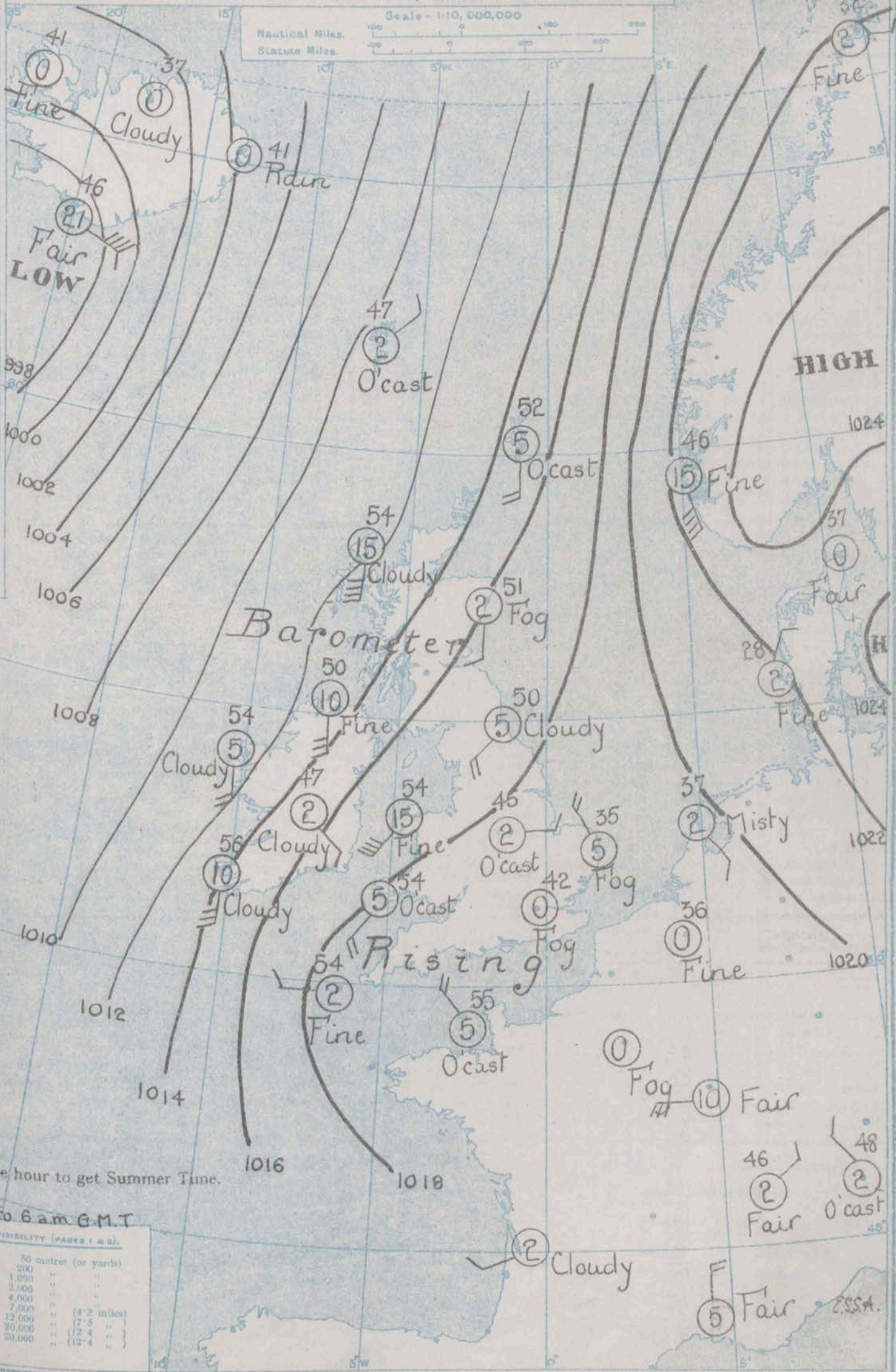
air or fine
light winds
endency for
er England
lly and
a Scotland
x doubtful
ner dis-

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

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

METEOROLOGICAL CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)		
Objects not visible at	50 metres (or yards)	
"	200 "	
"	1,000 "	
"	2,000 "	
"	4,000 "	
"	7,000 "	(4.2 miles)
"	12,000 "	(7.5 "
"	20,000 "	(12.4 "
Objects visible beyond	20,000 "	(12.4 "
Exceptional visibility.		

F.R.S. Director



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No 296.

FRIDAY
22ND OCTOBER 1920

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

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sunrise to Sunset.			
	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.				
Scotland.	Oban	o.c	bc	56	48	2	-	0.7	0.0	England, N.W.	Douglas (I.O.M.)					0.1	0.1		
	Banff	bc	bc.b	58	46	-	-	5.1	0.7		Blackpool	o	c.o	56	49	-	0.5	0.0	
	Montrose	q	q	58	47	-	-	0.7	0.0		Southport	o.c.o	o.c.p.c	56	48	-	0.0	0.0	
	St. Andrews										MORECAMBE	+	+	55	48	-	-	0.0	
England, N.E.	Harrogate	fo	o.c.o	51	38	-	-	0.0	0.0	Midlands.	Buxton					0.0	0.0		
	Scarborough	b	b	60	43	-	-	5.8	3.7		Leamington Spa...	o	o	53	36	-	0.0	0.0	
	Skewness	b	b	55	36	-	-	6.4	8.4		Malvern	o	o	54	47	-	0.3	0.0	
England, E.	Lowestoft	bc	bc	58	41	-	-	7.8	8.8	Wales.	Bath	o	o.c	58	50	-	1.0	1.5	
	Felixstowe	bc	b	61	37	-	-	4.6	8.0			Rhyl	c.bc	bc.c	62	50	0.2	-	2.8
	Southend-on-Sea...	w.m.b	b.bm	60	39	-	-	4.9	8.4			Colwyn Bay	*	*	65	52	-	3.2	2.0
												Llandudno	*	*	62	52	-	0.7	0.7
England, S.E.	Tunbridge Wells	b	b.bc.bm	54	34	-	-	6.8	8.7		Aberystwyth	o.c.c	c.o.o	59	50	-	-	0.0	
	Margate	bc	b	56	42	-	-	6.1	7.6		Tenby					0.3	0.0		
	Ramsgate	*	*	66	43	-	-	6.3	8.0		Swansea	*	*	56	49	3	0.3	0.0	
	Folkestone	fo.c.bc	b	60	44	-	-	5.0	8.1		Weymouth	c	o.c	59	53	-	-	0.3	
	Hastings	b	b	61	45	-	-	8.2	?		Teignmouth					0.3	0.0		
	Eastbourne	bc	bc	59	37	-	-	7.2	8.4		Torquay	orm	o.c.bc	59	49	0.2	3	0.6	
	Brighton	bc	bc	59	42	-	-	6.9	8.6		Paignton	odm	o.c.bc	61	54	2	1	0.6	
	Worthing	bc	bc	58	45	-	-	3.7	7.8		Penzance	c	c.o	61	54	2	-	5.1	
	Littlehampton	bc.m	bc.m	54	46	-	-	0.8	4.6		Newquay	b	b	64	54	1	-	0.0	
	Portsmouth (S. Isaac)	*	*	58	47	-	-	0.3	0.0		Bude	cd.o	o	64	56	-	0.1	0.7	
	Bournemouth	*	*	57	42	-	-	0.0	0.8		Ilfracombe	o.c.bcp	o.bcp	61	56	-	1	2.1	
	Ventnor (I. of W.)	*	*	59	54	-	-	2.2	0.0		Weston-s-Mare	bc.c.o	cd.c	57	50	-	-	0.0	

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	7h-13h21.	13h-18h21.	Max. °F.	Min. °F.	Night. 17h-18h21.	Day. 18h-7h.	Sun. Hours.	Sun. Hours.
Renfrew ...	o3f.gd	o3f.	54	43	46	-	1	1.5
Eskdalemuir ...	b.c.f.	o3f.	61	53	50	-	4.6	
Valencia (Cahire'ay)	bc.c	bc.c.b.c	52	47	36	-	6.8	
Baldonnel ...	bc.c	bc.c	55	49	39	0.1	-	
MANCHESTER (ALEX. PK)	o3f.	o3f.	56	50	50	-	2	0.0
Ross on Wye...	o3f.	o3f.	63	48	38	1	4.6	3.7
Falmouth ...	o3f.	o3f.	57	48	42	-	0.8	
Calshot (Hants)...	o3f.	o3f.	55	39	27	-	5.4	
Lympne (Folkestone)	o3f.	o3f.	54	49	45	-	1	0.7
Aberdeen ...	o3f.	o3f.	55	33	29	-	5.5	
Howden ...	o3f.	o3f.	54	32	29	-	4.8	
Cranwell (Lines)...	o3f.	o3f.	58	38	*	-	7.3	
Felixstowe ...	o3f.	o3f.	58	31	26	-	7.5	
Shoeburyness ...	o3f.	o3f.	55	43	47	-	-	
Benson ...	o3f.	o3f.	57	41	37	-	0.7	
S. Farnborough ...	o3f.	o3f.	56	35	39	-	1.8	
London (Kew Obs.)	o3f.	o3f.	58	36	*	-	*	
Croydon ...	o3f.	o3f.						

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 0.9
1	1-3	0.9-1.6
2	4-7	1.6-2.4
3	8-12	2.4-3.2
4	13-18	3.2-4.0
5	19-24	4.0-4.9
6	25-31	4.9-5.8
7	32-38	5.8-6.7
8	39-46	6.7-7.6
9	47-54	7.6-8.5
10	55-63	8.5-9.4
11	64-75	9.4-10.5
12	Above 75	10.5 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.	Night. 17h-18h21.	Day. 18h-7h.	Sun. Hours.	Sun. Hours.	15h. G.M.T.	9h. G.M.T.
24 Hours ended 9h G.M.T. 22 ND										
Greenwich (Royal Observatory)	b	b.bc	61	38	31	-	4.6	6.4	95	
City (Bunhill Row)	*	*	*	*	*	-	0.3	*	*	
Westminster (St. James's Park)	f.bc	bc.d.f.	60	40	34	-	1.1	6.5	94	
Camden Sq. (British Rainfall)	f.c.m	bc.m.c	55	39	35	-	*	7.5	96	
Kensington Palace	o.bc	c.o	59	34	31	-	*	7.1 (18h)	99	
Hampstead Observatory	o	o.m	55	43	32	-	1.4	*	94	

SOUTH KENSINGTON (Meteorological Office).

	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	
	YESTERDAY.	TO-DAY.
Total	411	Joules.
Average Rate.	7.0	Milliwatts.
Maximum Rate.	37	

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

Stations.	22 ND 23 RD OCTOBER 1920.	
	Sunrise.	Noon.
Yarmouth...	6.22	11.47
Greenwich	6.28	11.40
Wick	7.6	11.46
Valencia	7.19	12.25

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 2.15 h. to 2.30 h. 22ND OCTOBER 1920.

Stars.	Duration of Exposure.		Duration of Record.	
	h.	m.	h.	m.
Polaris	11	30	3	29
8 Ursae Minoris	11	30	1	6

NOTES ON THE WEATHER OF YESTERDAY.

Rain again fell in the Western Districts but amounts were generally small. 7mm fell during the afternoon and night at Jersey. Bright sunshine continued abundant in the East and South-East and 7 hours were recorded in parts of Ireland. Temperature rose to about 60° in most localities and reached 65° at Colwyn Bay.

* Information for these columns not usually received.

NDON:
920.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21520

SATURDAY, 23RD OCTOBER, 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 15H 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																											
			Force 0-12.	Dirac.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Form.	Amt. 0-10.						Form.	Amt. 0-10.	Form.	Amt. 0-10.																												
13H. G.M.T. 22 ND																												13H. G.M.T. OF 27 ND																											
Renfrew ...	1018.0	+1	NW	4	c	57	92	5	2,000	Nb	5	ci	Sc	2	+	?	+2	?	2	01f	53	85	6	5,700	St	3	ASC	6	-	+																									
Esksdalemuir ...	1019.3	+2	SW	3	o2f	52	85	5	2,000	St	10	-	-	8	1020.9	+3	S	1	0	50	92	6	-	StCu	10	-	-	-	-																										
Valencia (Cahire's) ...	1014.9	+1	S	4	o1f	60	85	7	1,250	StCu	7	ASC	3	4	1015.8	+1	S	5	o1f	59	85	6	1,250	StCu	8	ASC	2	2	-																										
Baldonnel ...	1017.6	0	SSW	3	c	60	75	8	4,200	StCu	2	ASC	5	8	1018.4	+1	SSW	4	o4f	55	92	5	1,250	St	8	ASC	1	8	-																										
Manchester (Alex. PK) ...	1020.0	+1	S	2	b2f	61	75	4	3,000	Cu	4	ASC	2	+	1021.9	+3	S	2	b2f	48	92	2	3,000	StCu	1	-	-	-	-																										
Ross on Wye ...	1020.5	+2	SSW	1	o1f	56	85	6	1,250	St	10	-	-	8	1022.4	+3	-	0	b2m	51	92	4	750	St	1	-	-	-	-																										
Falmouth ...	1021.7	+2	SSE	1	o3fe	58	92	2	-	St	10	-	-	8	1022.7	+2	-	0	o2fe	55	85	5	-	St	9	-	-	-	-																										
Calshot (Hants) ...	1021.3	+2	SSE	1	b2f	60	75	6	4,200	Cu	5	-	-	0	1023.3	+2	-	0	b2f	53	97	4	2,000	St	1	-	-	-	0																										
Lymington (Folkestone) ...	1020.8	+2	N	2	b2f	56	65	5	4,200	Cu	1	ci	2	8	1023.7	+4	-	0	b2m	48	85	4	5,700	StCu	8	-	-	-	8																										
Aberdeen ...	1018.0	+1	S	2	b2fe	56	85	4	3,000	Cu	4	ASC	2	2	1019.6	+2	S	1	3fe	51	92	3	-	-	-	-	-	2	-																										
Howden ...	1020.3	-1	-	0	o3f	52	97	3	4,500	St	10	-	-	8	1022.0	+3	-	0	o4f	45	97	2	4,500	St	10	-	-	-	8																										
Cranwell (Lincoln) ...	1020.7	+1	WSW	1	o2f	56	85	4	3,000	Cu	10	-	-	8	1023.0	+4	SSW	1	b2f	49	97	4	3,000	St	2	ASC	1	8	-																										
Felixstowe ...	1021.2	0	SE	2	b2f	56	75	7	-	-	-	ASC	5	1	1023.5	+4	-	0	b1f	46	97	6	-	-	ASC	2	0	-	-																										
Shoeburyness ...	1021.3	+1	-	0	b2fe	57	75	4	-	-	-	CLCu	2	8	1023.8	+3	-	0	b2fe	48	85	2	4,200	Cu	1	ASC	1	8	-																										
Benson ...	1020.0	+2	-	0	bc	58	75	4	-	St	5	-	-	8	1023.0	+3	-	0	b	49	85	4	-	-	-	-	-	8	-																										
S. Farnborough ...	1020.7	+1	W	1	o	58	75	5	1,250	StCu	9	-	-	8	1023.3	+3	-	0	o2f	53	92	4	750	St	9	-	-	-	8																										
London (Kew Obs.) ...	1021.3	+1	-	0	o3fw	53	85	3	4,200	Cu	9	-	-	8	1023.2	+2	-	0	o3fw	53	92	3	2,000	St	10	-	-	-	8																										
Croydon ...	1021.4	+3	W	1	o3f	54	85	3	3,000	St	10	-	-	8	1023.6	+3	-	0	o3f	52	92	2	2,000	St	10	-	-	-	8																										
1H. G.M.T. OF 23 RD																												7H. G.M.T. OF 23 RD																											
Renfrew ...	1021.3	0	S	2	o2f	50	92	5	-	SE	10	-	-	8	1019.4	0	SE	2	o2f	55	92	5	2,000	StCu	10	-	-	-	+																										
Esksdalemuir ...	1021.3	0	S	2	o2f	50	92	5	-	SE	10	-	-	8	1021.2	0	S	2	o2f	51	97	5	750	St	10	-	-	-	8																										
Valencia (Cahire's) ...	1014.2	0	SSE	6	o4m	58	-	-	-	-	-	-	-	6	102.0	-2	S	6	0	58	85	7	2,000	StCu	10	-	-	-	4																										
Baldonnel ...	1018.0	-1	SSW	1	c	57	85	8	4,200	StCu	2	ASC	6	8	1018.5	0	S	1	0	57	85	7	750	St	9	-	-	-	-																										
Manchester (Alex. PK) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1022.5	0	ESE	2	c2fe	39	92	1	-	-	ASC	8	-	-	-																										
Ross on Wye ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1023.4	0	-	0	o2fe	38	97	1	4,500	St	10	-	-	-	-																										
Falmouth ...	1023.2	0	SSE	2	o4fe	55	97	2	-	St	10	-	-	8	1021.5	-1	SSE	3	0	52	92	8	-	Nb	10	-	-	-	-																										
Calshot (Hants) ...	1024.1	0	-	0	o7fe	45	97	0	4,500	St	10	-	-	0	1022.6	0	N	1	o3f	48	97	2	4,500	St	10	-	-	-	0																										
Lymington (Folkestone) ...	1024.4	+1	-	0	b2m	44	92	4	-	-	-	-	-	8	1024.1	0	NE	1	b2m	42	92	4	-	-	-	-	-	-	8																										
Aberdeen ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1019.9	0	SSW	2	c2fe	53	85	5	4,200	StCu	7	-	-	-	2																										
Howden ...	1023.6	0	-	0	o7fe	43	97	0	4,500	St	10	-	-	8	1023.7	0	-	0	o7fe	39	97	0	4,500	St	10	-	-	-	-																										
Cranwell (Lincoln) ...	1024.2	+1	W	2	b2f	46	97	3	2,000	St	4	ASC	1	8	1024.3	0	NE	1	o3f	39	97	3	2,000	StCu	9	-	-	-	8																										
Felixstowe ...	1024.7	+1	-	0	b2f	39	97	0	-	-	-	-	-	0	1024.4	0	NNW	2	b2fe	38	97	1	-	-	-	-	-	0	-																										
Shoeburyness ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1024.1	+1	-	0	b2fe	37	92	0	-	-	-	-	-	-	-																										
Benson ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1023.0	0	-	0	o2f	43	97	3	-	St	10	-	-	-	-																										
S. Farnborough ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1024.2	0	E	1	o4f	45	97	2	750	St	10	-	-	-	-																										
London (Kew Obs.) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1024.3	0	SE	1	o7fe	47	97	0	4,500	St	10	-	-	-	-																										
Croydon ...	1025.0	+1	S	1	o3fe	46	97	1	4,500	St	10	-	-	8	1024.7	0	S	1	o3fe	39	97	1	4,500	St	10	-	-	-	-																										

STATIONS CONTRIBUTING REPORTS AT 7H. AND 15H.

STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		Weather.	BAROMETRICAL.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall inches.	TEMP.		WEATHER.			Sunshine Hours.
			Direc.	Force 0-12.		at M.S.L. mb.	Change in 8 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
18H. G.M.T. of 22 ND						7H. G.M.T. of 23 RD						24 HOURS ENDED 7H. 23 RD						23 RD			
Lerwick	1017.2	52	S	2	om	1017.7	0	52	0	SSW	2	-	om	1	trace	52	50	om	om	fine	4
Stornoway	1015.3	53	SSW	2	bc	1013.3	0	56	+2	S	6	-	C	5	2	57	52	cq	c.bc	C	4.0
Castell Bay (Barrels)	1014.8	55	SE	5	o	1014.3	0	56	+1	SE	5	-	o	6	3	56	53	a.c.	c.o	O.P.O	3.3
Malin Head	1013.5	56	S	3	o	1013.9	0	56	+6	SE	3	SE	C	3	-	57	48	b	C	O.C	2.0
Blackad Point	1012.3	57	SW	5	om	1008.0	-5	61	+7	S	6	-	Cq	0	1	66	49	om	om	om	0.0
Rock's Point	1019.3	56	SSW	4	o	1017.9	-3	56	+1	S	5	-	o	5	4	59	55	bc.stm	st.m.o.	C.O	0.0
Birr Castle	1016.9	57	SE	2	C	1015.7	0	57	+10	SE	3	-	C	0	-	61	45	C.	C.	C	2.4
Donaghadee	1012.1	55	S	3	om	1018.0	0	55	+10	S	2	-	O.M	1	0.2	59	45	bf	bc	bc	0.0
Liverpool (Bidston)	1021.3	54	SE	1	bc	1021.4	-1	46	-3	SE	3	S	bc	2	-	59	46	b	bc	O.BC	5.8
Holyhead	1020.0	55	S	4	C	1020.0	0	55	+1	S	4	-	O.g	3	0.4	59	52	a.b.f.c	e.b.c	copdo	4.5
Pembroke (St. Mary's)	1021.9	57	S	2	a	1021.0	-1	55	+1	SSE	3	-	o	3	0.1	58	54	of.c.	C	om.c.o	4.4
Jersey (St. Aubin)	1021.8	57	S	1	C	1020.8	-1	55	+1	SSE	3	S	bc	3	-	60	56	b.b.c	bc.c	C.B.C	3.9
Portland Bill	1022.8	56	WNW	2	b	1021.8	-1	53	-2	NNE	2	-	om	1	-	61	45	ab	b	b.b.c	2.3
Langness	1022.2	58	WNW	2	bc	1022.7	-2	56	+1	-	0	-	bc	2	-	62	51	bc	bc	b.b.c	0.0
Wick	1022.3	50	N	2	bc	1023.1	0	35	+1	NNW	2	SE	b	2	-	58	34	cm.bc	bc	b.b.c	0.0
Nairn	1017.1	52	SSW	2	bm	1016.4	0	52	+1	SSW	3	-	bm	2	0.1	56	48	bc	bm	b.b.c	0.0
Leith	1017.4	48	-	0	bc	1016.2	0	52	+7	-	0	-	bc	0	-	59	44	cm.bc	bc	bc	4.0
Tynemouth	1018.8	53	SW	1	C	1019.7	0	54	+2	SSE	1	-	om	1	-	62	51	mc.bc	b	C.B.C	0.0
Spurn Head	1020.9	53	-	0	bcf	1022.2	0	44	-6	S	1	-	fe	2	-	57	43	bcf	bcf	b.c.f	0.0
Yarmouth	1022.2	50	SSE	2	bf	1022.9	0	47	+2	WNW	1	-	f.w.	2	1	52	42	f	bm	f.b.c	0.0
Clacton-on-Sea	1022.5	49	-	0	b	1023.8	-1	38	+3	NW	2	-	b.f.c.	0	-	57	35	bc.bcm	bm	b.b.c	3.8
Nottingham	1023.1	50	WNW	1	m	1023.8	0	44	+2	N	1	-	bm	1	-	58	41	bc.bcm	bc.bcm	b.b.c	6.3
	1022.7	51	SW	1	b	1023.8	0	40	-5	-	0	-	fe	1	0.2	60	39	o.cm	bm	b.f.c	3.1

* 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



The barometer is falling again in the West of Ireland and a return to unsettled conditions will occur in the Western districts. Over the Eastern districts and Midlands the anticyclone will maintain fair weather with light winds and much mist or fog.

EXPLANATION.—Isobars are drawn at intervals of two millibars.

WIND.—Direction is shown by arrow. Flying with the wind. Force on small scale 9-12, is indicated by 1 inch = 10 miles per hour by figure in small circle.

TEMPERATURE.—sky is clouded.

WEATHER SYMBOLS.—sky is clear. sky is cloudy. overcast sky.

* snow. * mist. F. Thunderstorm.

≡ fog. High.

T. thunder. Rough.

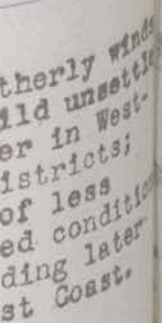
SEA DISTURBANCE.

Southerly winds
and mild unsettled
weather in West-
ern districts;
risk of less
settled conditions
extending later
to East Coast.

South Cone
hoisted.

LOW

Nautical Miles.
Statute Miles.



South Cone
hoisted.

... F.R.S. Director

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	"	"	"	"
5. Poor	"	"	200	"
6. Satisfactory	"	"	1,000	"
7. Fair	"	"	2,000	"
8. Good	"	"	4,000	"
9. Very Good	"	"	7,000	"
10. Excellent.	"	"	12,000	"
	Objects visible beyond	20,000	"	"
	Exceptional visibility	20,000	"	"

(4.3 miles)
(7.5 "
(12.4 "
(12.4 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 297

Saturday,
23rd October

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-19h. 21 st -22 nd .	Day. 9h-17h. 22 nd .	to 17h. 22 nd .	Sunrise to Sunset. 21 st -22 nd .			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h. 21 st -22 nd .	Day. 9h-17h. 22 nd .	to 17h. 22 nd .	Sunrise to Sunset. 21 st -22 nd .
Scotland.	Oban	bc	c	58	51	-	-	3.0	0.7	England, N.W.	Douglas (I.O.M.)			*				3.9	0.1
	Banff	b	bc.b	60	47	-	-	4.7	5.1		Blackpool	c	bc	63	50	-	-	3.0	0.5
	Montrose	of	of	56	44	-	-	2.6	0.7		Southport	a.c.bc.c	c.bc.bbc	58	49	-	-		0.0
	St. Andrews	o	c	59	45	-	-	4.4	?		Morecambe	*	*	61	50	-	-	4.1	
England, N.E.	Harrogate	cc	bc.bz	58	46	-	-	1.6	0.0	Midlands.	Buxton							0.2	0.0
	Scarborough	b	b	60	44	-	-	2.1	5.8		Leamington Spa... ..	o	a.c.b.o	57	46	-	-	0.0	0.0
	Skewness	f	fe.bm	52	31	-	-	1.9	6.4		Malvern	o	c.bc.b	57	50	-	-	1.6	0.3
	Lowestoft	bc	bc.b	54	38	-	-	3.3	7.8		Bath	m.a	a.b	61	51	1	-		
England, E.	Felixstowe	cm	bm	57	37	-	-	5.6	7.6	Wales.	Rhyl	bc	bc	64	55	-	-	8.5	1.0
	Southend-on-Sea... ..	w.m.bc	bcm	57	34	0.2	-	2.8	4.9		Colwyn Bay	*	*	60	47	-	-	8.6	2.8
											Llandudno	*	*	63	43	-	-	7.8	3.2
											Aberystwyth	fc.c	c.o	61	50	1	-	5.5	0.7
England, S.E.	Tunbridge Wells	bm.bc	o.cm	54	32	-	-	0.9	6.8	England, S.W.	Tenby							5.2	0.0
	Margate	fe.o	bc.b	55	37	-	-	3.4	6.1		Swansea	*	*	61	52	2	-	4.8	0.0
	Ramsgate	*	*	53	37	-	-	2.5	6.3		Weymouth	c.b	b	64	49	1	-	5.5	1.1
	Folkestone	f.c.bc	bc.f	61	44	-	-	5.2	7.0		Teignmouth	b	bc	59	44	-	-	7.8	0.3
	Hastings	w.bc	bc.o	58	42	0.2	-	4.7	8.2	Torquay	b	b	60	47	-	-	7.7	0.9	
	Eastbourne	bc	bc.c.o	57	38	-	-	3.2	7.2	Paignton	w.b.	b	59	44	-	-	5.2	2.6	
	Brighton	o	o	57	38	-	-	0.2	6.9	Penzance	cf	c.bc	60	49	0.2	-	7.5	5.1	
	Worthing	c.o	c.o	57	42	-	-	0.0	3.7	Newquay	b	b	62	51	0.1	-	7.3	0.0	
	Littlehampton	bcm	o.cm	58	42	-	-	0.0	0.8	Bude	od.c.bc	bc.b.bc	62	51	-	-	7.5	3.1	
	Portsmouth (St. Anne's)	*	*	61	47	-	-	1.9	0.3	Ilfracombe	bc.b	b	59	53	0.1	-	4.8	0.0	
	Bournemouth	*	*	60	51	-	-	1.1	0.0	Weston-s-Mare	bc.c.b	b	62	51	-	-			
	Ventnor (I. of W.)	*	*	61	50	-	-	2.5	2.2										

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Th-12h.	12h-18h.	Max. °F.	Min. °F.	Night. 17h-19h.	Day. 9h-17h.	to 17h. 22 nd .	Sunrise to Sunset. 21 st -22 nd .
Renfrew ...	b	o.f	59	47	45	4.0	4.0	
Eskdalemuir ...	g.h.l.f.	c.o.o.	54	48	48	0.1	0.8	
Valencia (Cahice'n) ...	bc.c.o.	c.o.f	61	55	55	2	0.0	
Baldonnel ...	bc.c	c.o	60	47	41	4.3		
Manchester (Alex. Pk.) ...	b.o.z	b.b.c.f	63	37	27	*	*	
Ross on Wye ...	o.f	o.f	58	37	34	1.4		
Falmouth ...	c.o.f	o.f	60	47	47	3.8		
Calshot (Hants) ...	o.f	o.f	60	42	37	1.6		
Lymington (Hants) ...	o.f	o.f	56	40	23	6.7		
Aberdeen ...	3.f	3.f	57	47	36	2.8		
Howden ...	3.f	3.f	54	39	36	0.2		
Cranwell (Leics) ...	o	bc.b	59	37	30	0.6		
Felixstowe ...	1.f	1.f	59	36	+	5.9		
Shoeburyness ...	4.f	3.f	57	32	29	0.1	5.5	
Benson ...	o	bc.c	60	49	39	*		
S. Farnborough ...	o.f	o.f	56	42	38	0.1		
London (Kew Obs.) ...	o.f	o.f	55	38	+	*		
Croydon ...	4.f	3.f	55	38	+	*		

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.f. = 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	0.3-0.9
2	4-7	0.9-1.9
3	8-12	1.9-2.9
4	13-18	2.9-3.9
5	19-24	3.9-4.9
6	25-31	4.9-5.9
7	32-38	5.9-6.9
8	39-46	6.9-8.0
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 coronae ☾

LONDON OBSERVATIONS.

	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		HUMIDITY %	
	Morning.	Afternoon.	Night.	Max. °F.	Min. °F.	Min. on Grass. °F.	Sunshine to Sunset. Hours.	15 h. G.M.T.	9 h. G.M.T.	
	24 HOURS ENDED 9H G.M.T. 23 rd							YESTERDAY.	TO-DAY.	
Greenwich (Royal Observatory)	f.	f	f.	53	41	36	-	0.0	85	97
City (Bunhill Row)	*	*	*	*	*	*	-	0.0	*	*
Westminster (St. James's Park)	f	f.	bf.	55	44	38	-	0.0	79	94
Camden Sq. (British Rainfall)	f. om	om. o	*	55	43	38	0.3	*	85	98
Kensington Palace	of.	of.	*	55	41	37	-	*	95 (10h)	100
Hampstead Observatory ...	bc	bc	of	53	43	36	0.3	0.0	*	98

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	
Total	54 Joules.
Average Rate	1.5 Milliwatts.
Maximum Rate	10

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

23 rd and 24 th October 1920			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	6.34	11.37	4.38
Greenwich	6.33	11.37	4.38
Wick	6.39	11.44	4.43
Valencia	7.23	12.26	5.28

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minors at Greenwich Observatory.

Exposure from 21st 11h. 0.9 m.
to 22nd 0.9h. 3.0 m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	11. 30	3. 44	32
8 Ursae	11. 30	1. 22	12

NOTES ON THE WEATHER OF YESTERDAY.

Rainfall was again confined to the Western districts and was slight in amount. Except at some stations in the East of England where persistent fog prevailed there were several hours of sunshine, more than 8 hours being enjoyed in parts of Wales. Day temperature was fairly high, many stations reporting readings above 60°.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21521

..... SUNDAY, 24TH OCTOBER, 1920.

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

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.	2 Change in 3 hours.	WIND.		TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.		
			Direc.	Force 0-12.					Form.	Amt. 0-10.	Form.	Amt. 0-10.				Direc.	Force 0-12.					Form.	Amt. 0-10.	Form.	Amt. 0-10.		Form.	Amt. 0-10.
12H. G.M.T. OF 23 RD																												
Renfrew	1019.8	0	SSE	3	58	75	7	2,000	Stcu	9	1	1	1020.0	+1	SSE	3	C	52	86	6	2,000	St	5	ASc	3	4		
Eska Dalemuir	1021.2	0	SSE	2	58	85	6	2,000	St	10	-	-	1021.1	0	-	0	bmw	49	92	4	-	-	-	ASc	2	-		
Valencia (Cahire's)	1012.3	0	S	5	57	92	5	750	Nb	8	ASc	2	1013.3	+3	S	4	0123j	55	97	4	750	St	10	-	-	4		
Baldonnel	1017.8	0	S	4	58	85	7	1,250	Stcu	9	ASc	1	1018.2	+2	SE	3	01f	53	86	6	3,000	Stcu	10	-	-	8		
Manchester (Alex. Pk.)	1021.8	-1	SE	4	56	75	4	3,000	Cu	1	1	2	1021.5	0	SE	2	03f	48	85	3	3,000	Stcu	7	-	-	3		
Ross on Wye	1021.7	-2	SSE	3	54	92	5	4,200	Cu	6	-	-	1021.2	-1	E	1	bc	51	85	5	4,200	Stcu	6	-	-	8		
Falmouth	1020.0	-2	SSE	3	56	85	6	-	CuNb	6	1	1	1019.0	-2	SSE	3	bc1fe	54	86	6	-	Stcu	4	-	-	8		
Calshot (Hants)	1022.0	-2	SE	3	57	85	5	2,000	Cu	1	-	-	1021.7	+1	E	3	b2f	53	92	5	-	-	-	-	-	2		
Lymington (Folkestone)	1022.6	-1	SE	2	57	65	5	3,000	Stcu	3	-	-	1022.2	-1	NE	2	b3fw	46	97	3	-	-	-	-	-	8		
Aberdeen	1020.0	0	S	2	60	65	6	1,250	Cu	1	ASc	1	1020.7	+2	S	2	c2fe	54	92	4	4,200	Stcu	8	-	-	2		
Howden	1022.8	-1	-	0	50	65	3	4,500	St	10	-	-	1022.1	0	-	0	07fe	46	97	0	4,500	St	10	-	-	8		
Cranwell (Lines)	1023.8	-1	E	2	54	85	4	1,250	Stcu	8	-	-	1023.1	0	ESE	1	05fe	45	97	1	750	St	10	-	-	8		
Felixstowe	1022.3	-2	ENE	1	57	75	5	3,000	Cu	1	-	-	1022.6	0	NE	2	02f	47	97	4	4,500	St	10	-	-	0		
Shoeburyness	1022.8	-2	NE	1	56	65	5	-	-	-	-	-	1022.0	0	-	0	befw	45	92	1	-	-	-	-	-	8		
Benson	1022.0	-1	SE	1	54	75	4	-	Cu	2	-	-	1021.4	0	-	0	b	50	97	3	-	-	-	-	-	8		
S. Farnborough	1022.4	-2	ESE	2	56	75	4	2,000	St	5	-	-	1022.1	-1	-	0	b3f	43	92	3	1,250	St	2	-	-	8		
London (Kew Obs.)	1022.4	-4	-	0	48	97	1	4,500	St	10	-	-	1022.2	0	-	0	befw	44	97	0	4,500	St	5	-	-	8		
Croydon	1022.8	-3	SE	2	57	65	5	2,000	Cu	1	-	-	1022.5	+1	ESE	2	b2f	47	85	4	-	-	-	-	-	8		
7H. G.M.T. OF 24 TH																												
Renfrew	1022.2	0	-	0	45	97	2	750	St	10	-	-	1023.5	+2	-	0	03f	43	97	3	3,000	Stcu	3	ASc	6	4		
Eska Dalemuir	1022.2	0	-	0	45	97	2	750	St	10	-	-	1023.9	+2	N	2	02f	45	92	4	1,250	St	10	-	-	8		
Valencia (Cahire's)	1015.4	+2	SSW	6	39	-	-	-	-	-	-	6	1017.6	+4	ESE	3	07f	53	92	6	2,000	St	7	ASc	3	3		
Baldonnel	1019.2	+1	ESE	2	52	85	5	-	-	ASc	9	-	1020.6	+2	-	0	03fe	45	97	3	1,250	St	4	ASc	3	-		
Manchester (Alex. Pk.)	-	-	-	-	-	-	-	-	-	-	-	-	1022.8	+1	E	1	bx	38	97	3	-	-	-	Cu	3	4		
Ross on Wye	-	-	-	-	-	-	-	-	-	-	-	-	1022.1	+1	-	0	06fe	37	97	1	4,500	St	10	-	-	-		
Falmouth	1018.2	-1	SE	3	55	85	7	-	-	ASc	8	-	1017.6	0	ENE	3	01fe	51	92	6	-	Nb	9	-	-	8		
Calshot (Hants)	1020.7	-1	NNE	2	46	97	2	-	-	-	-	-	1020.5	0	N	2	b	43	97	2	-	-	-	-	-	-		
Lymington (Folkestone)	1020.9	-1	-	0	42	92	3	-	-	-	-	-	1021.0	0	NE	4	bmw	41	97	4	-	-	-	-	-	8		
Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	1024.2	+3	SSE	2	02f	49	97	4	1,250	St	10	-	-	2		
Howden	-	-	-	-	-	-	-	-	-	-	-	-	1024.0	+3	-	0	05fe	42	97	1	4,500	St	10	-	-	8		
Cranwell (Lines)	1023.7	-1	N	1	35	97	1	4,500	St	10	-	-	1023.8	0	NNW	2	b6fe	37	97	1	-	-	-	-	-	8		
Felixstowe	1022.0	0	NE	2	40	97	6	-	-	-	-	-	1021.9	0	ENE	2	b1f	39	97	5	-	-	-	-	-	1		
Shoeburyness	-	-	-	-	-	-	-	-	-	-	-	-	1021.4	0	-	0	b6fw	38	92	2	-	-	-	-	-	-		
Benson	-	-	-	-	-	-	-	-	-	-	-	-	1021.3	0	-	0	07f	32	97	0	-	St	10	-	-	8		
S. Farnborough	-	-	-	-	-	-	-	-	-	-	-	-	1020.4	0	ENE	1	05fe	38	97	1	4,500	St	10	-	-	8		
London (Kew Obs.)	1021.4	-1	-	-	36	-	-	-	-	-	-	-	1021.6	+1	-	0	07fe	36	97	0	4,500	St	10	-	-	8		
Croydon	1021.9	-1	-	0	36	97	1	4,500	St	10	-	-	1022.4	0	-	0	06fe	37	97	1	4,500	St	10	-	-	8		

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.
			Force 0-12.			at M.S.L. mb.	1 Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dirac.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
			18h. G.M.T. of	7h. G.M.T. of		24 HOURS ENDED 7h.	23 RD														
Lerwick	1019.1	53	S	2	om	1022.4	+3	52	0	S	3	-	om	1	-	55	50	bm	om	f. om	4
Stornoway	1015.6	57	S	4	c	1020.9	+3	54	-2	SSW	3	-	0	2	-	58	52	c. o	c. o	c. o	0.0
Castlebay (Barra)	1016.0	57	ESE	5	0	1020.9	+2	55	-1	SE	4	-	0	5	4	57	53	0	0	0.0	0.0
Blackhead	1018.0	57	S	4	0	1019.3	+1	53	-3	S	3	S	c	3	-	60	51	c	c	o. c.	0.1
Roche's Point	1011.1	54	S	2	om	1017.4	+4	53	-8	-	0	-	om	1	13	60	53	om	om	om	0
Birr Castle	1016.1	57	SSE	5	0	1018.9	+3	56	0	SE	4	-	0	4	1	58	55	0	0	o. p. o	0
Donaghadee	1015.7	56	SE	2	0	1020.2	-	52	-5	SSE	1	-	c	-	-	58	51	c. o. c	c. o	o. c	0.2
Liverpool (Widest)	1018.2	54	SSW	3	bcm	1021.4	+2	54	-1	SSE	2	S	c. m	2	-	59	52	bcm	bc	bcm	0
Holyhead	1020.6	50	SE	3	b	1022.2	+1	43	-3	SE	2	-	f	2	-	54	42	b	b	b. f.	5.8
Pembroke (St. Ann's Head)	1019.8	52	S	4	cg	1021.2	+1	48	-7	E	4	-	bz	2	trace	57	45	c. o. bc. c	c. o.	bz bz	1.1
Scilly (St. Mary's)	1019.4	54	SE	3	bc	1020.0	+1	49	-6	ESE	3	-	c. m	3	-	56	48	c. c.	c. c.	b. c. c. m	0.6
Jersey (St. Aubin)	1018.4	55	SE	3	0	1017.4	0	53	-2	ESE	2	SE	c	3	-	59	53	bc. c	c. o	o. c. c. m	2.5
Portland Bill	1019.7	54	NE	3	bm	1018.3	0	45	-8	E	2	-	b	1	-	60	45	o. bc	c. bm	b. c. m. m. b	4.5
Dungeness	1020.9	57	SE	3	bc	1019.0	0	55	-1	ENE	5	E	bcm	4	-	59	50	b. bc	c. bc	bc. b. m	0
Wick	1020.8	54	ENE	2	b	1019.7	-1	52	+17	E	3	-	b	3	-	58	35	b. m. b	b	b	0
Nairn	1017.7	55	S	2	bcm	1022.0	+3	51	-1	SSE	2	-	bm	2	-	56	50	bcm	bcm	b. c. m. b. m	0
Leith	1017.9	55	-	0	bc	1021.9	-	46	-6	-	0	-	cg. m	0	0.1	62	44	bc. c	c. bc	b. c. m. m	0.7
Tynemouth	1019.8	56	SE	1	m	1023.2	+1	44	-10	N	1	-	b	1	-	60	43	o. m. c	c. b. c. m	m. c. b. c. b	0
Spurs Head	1021.6	49	W	2	f	1022.0	+1	43	-1	SW	1	-	f	1	-	56	42	bc. f	bc. f	o. k. f	0
Yarmouth	1021.5	47	SSE	2	f	1023.4	0	46	-1	NNE	1	-	fw	2	2	53	42	cm	f	fw	0
Clacton-on-Sea	1022.4	53	E	2	b	1021.6	+1	50	+12	E	3	-	b	1	-	57	34	b. f. b.	b	b	8.2
Nottingham	1022.0	53	NNE	1	m	1021.3	0	44	0	N	3	-	bm	2	-	59	37	bm	bm	bm	8.4
	1022.3	47	E	1	bm	1023.4	-	41	+1	ENE	2	-	f	4	0.2	56	38	bm	bm	b. f.	2.9

* 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. 24.10.1920.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Variable sky, dense fog	Bad	Smooth
2. E. England	Fine, local fog. (inland)	V. Poor	"
3. E. Midlands	Foggy.	Bad	"
4. W. Midlands	Foggy.	"	"
5. S.W. England	Fair to overcast, misty.	Indiff.	Slight
6. South Wales	Cloudy or dull, local mist	Poor.	"
7. North Wales	Fine or fair, local fog.	Var.	Smooth
8. N.W. England	Mainly fair, local fog.	Poor	Slight
9. N. Midlands	Foggy.	Bad	"
10. N.E. England	Foggy.	"	Smooth.
11. E. Scotland	Variable sky, misty.	Poor	"
12. S.W. Scotland	Overcast, misty.	"	"
13. Isle of Man	Fair or cloudy, misty.	"	Slight
14. N. & N.W. Scotland	Variable sky, misty.	"	Smooth
15. Hebrides	Overcast.	Fair	Mod.
16. Orkneys and Shetlands	Cloudy or dull, misty.	Poor	Smooth
17. N.W. Ireland	Cloudy or dull, local	Fair	"
18. N.E. Ireland	Cloudy, local mist.	Var.	Slight.
19. S.E. Ireland	Cloudy or dull, local	Poor	"
20. S.W. Ireland	Dull, rain locally.	Indiff.	Mod.

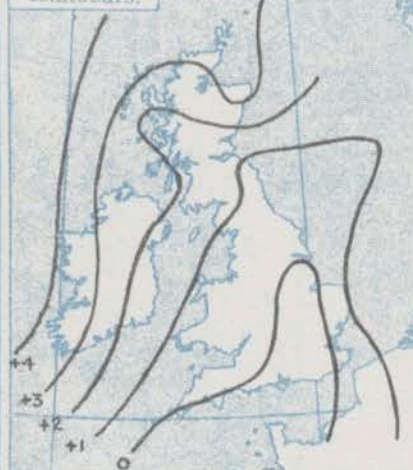
Temperature reported from Coastal and Cross Channel Steamers.

Position Number.	Date	Time G.M.T.	Sea °F	Air °F
4A.	23 rd	0420	56	56
5.	23 rd	0856	58	57
1	23 rd	12.11	59.25	58.75
7	24 th	01.50	57.5	55
8.	24 th	0518	57	55

CHART OF POSITION NUMBERS and Upper Cloud



Isallobars.



Barometric change from 4 h. to 7 h. (half millibars).

Lower Cloud.



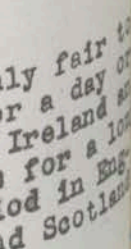
GENERAL INFERENCE from observations received up to 9h. G.M.T.
The Continental anticyclone is spreading Westwards and a spell of fair to fine weather with moderate E. or S.E. breezes is probable over the British Isles. There will be some mist or fog at times in all districts.

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of two millibars.
WIND.—Direction is shown by a line lying with the wind. Force, in knots, is indicated by the number of feathers. Mean velocity is shown in feet per hour by figures in square circles.
TEMPERATURE.—Air is shown by a circle with a dot in the center. Sea surface temperature is shown by a circle with a horizontal line through the center.
WEATHER SYMBOLS.—
☉ clear sky.
☁ sky & clouded.
☁ overcast sky.
❄ snow.
☁ fog.
⚡ thunder.
SEA DISTURBANCE.—
Rough—
High—
Farther Outlook

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 24th October, 1920.
1. S.E. England	Moderate Easterly breezes; fair to fine, mist or fog, especially at night, slight frost locally inland early, but fairly high day temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Moderate S.E. breeze; fair to fine, mist or fog, especially at night, slight frost locally inland early, but fairly high day temperature.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Moderate S.E. breeze; fair to cloudy, some mist; rather mild.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Moderate S.E. breeze; fair to cloudy, some mist; rather mild.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Mainly fair to fine for a day or two in Ireland and perhaps for a longer period in England and Scotland.

20 1022 1004 1006 1008 Scale - 1:10,000,000



15 CLEARING CODE FOR SURFACE VISIBILITY (PAGES 1 & 2):				
Very Poor	Objects not visible at	50 metres (or yards)		
Poor	"	200	"	"
Fair	"	1,000	"	"
Good	"	2,000	"	"
Very Good	"	4,000	"	"
Excellent	"	7,000	"	(4.3 miles)
	"	12,000	"	(7.5 "
	Objects visible beyond	20,000	"	(12.4 "
	Exceptional visibility.	20,000	"	(12.4 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No 298.

Sunday
24th OCTOBERWEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 23rd

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-9h.	9h-17h.								22 nd	23 rd		
Scotland.	Oban	o	o	58	54	-	-	0.0	3.0	England, N.W.	Douglas (I.O.M.)						
	Banff	bc	c.bc	62	47	-	-	2.7	4.7		Blackpool	c	bc	58	46	-	-
	Montrose	o	o	56	43	-	-	0.6	2.6		Southport	c.bc	bc.b	55	46	-	-
	St. Andrews ...										MORECAMBE					4.5	3.0
England, N.E.	Harrogate	of	of	54	37	0.1	-	0.0	1.5	Midlands.	Buxton					3.2	0.2
	Scarborough ...	b	b	58	44	-	-	2.7	2.1		Leamington Spa...	x	d	59	36	-	-
	Skegness										Malvern	m.o.c	c.o	57	38	-	-
England, E.	Lowestoft										Bath	m.b	b.bc.c	58	42	-	-
	Felixstowe	bf	bz	57	35	-	-	8.2	5.6		Rhyl						
	Southend-on-Sea...	wm.b	b.bm	59	36	-	-	6.7	3.8		Colwyn Bay						
England, S.E.	Tunbridge Wells	ofbm.b	b	56	35	-	-	7.6	0.9		Llandudno	c.b	b	64	53	-	-
	Margate	fe.o.	o.b	56	43	-	-	3.3	3.4		Aberystwyth ...	c.b.b	bc.o	61	51	-	-
	Ramsgate			53	39	-	-	5.9	2.5		Tenby					7.3	7.5
	Folkestone	m.bc	b.bc	62	45	-	-	7.1	5.2		Swansea						
	Hastings	w.b	b	59	43	0.2	-	8.4	4.7		Weymouth						
	Eastbourne	bc.b	b	57	39	-	-	8.2	3.2		Teignmouth						
	Brighton										Torquay						
	Worthing	b	b	57	46	-	-	8.5	0.0		Paignton	fw.b.bc	bcfw	60	45	-	-
	Littlehampton ...	b	b	58	46	-	-	8.5	0.0		Penzance						
	Portsmouth (Sibson)	x	x	60	43	-	-	7.5	1.9		Newquay						
	Bournemouth ...										Bude	c	c.bc.c	60	51	-	-
	Ventnor (I. of W.)			61	50	-	-	7.4	?		Ilfracombe	o	o.bc.o	58	48	-	-
											Weston-s-Mare ...						

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	7h-18h.	18h-18h.	Max. °F.	Min. °F.	Night. 17h-18h.	Day. 18h-18h.	to 18h.	Sunrise to Sunset.
Renfrew ...	o.f.	c.o.f.	59	43	32	0.1	0.1	
Eskdalemuir ...	o.f.	c.o.f.	56	40	34	0.2	0.0	
Valencia (Cabrera)	o.f.	c.o.f.	58	53	31	3.0	0.0	
Baldonnel ...	c.o.f.	o.f.	59	45	35	0.0	1.5	
Manchester (Alex. PK)	bc.c.f.	c.o.f.	57	38	28	-	4	
Ross on Wye...	bc.c.f.	c.o.f.	57	31	31	-	1.4	
Falmouth ...	c.o.f.	c.o.f.	58	42	31	-	2.6	
Calshot (Hants)...	bc.c.f.	c.o.f.	58	41	33	-	7.1	
Lymington (Folkestone)	bc.c.f.	c.o.f.	57	38	27	-	8.4	
Aberdeen ...	bc.c.f.	c.o.f.	61	48	48	-	4.0	
Howden ...	c.o.f.	c.o.f.	50	38	38	-	0.0	
Cranwell (Lincoln)	bc.c.f.	c.o.f.	55	?	?	-	0.4	
Felixstowe ...	bc.c.f.	c.o.f.	59	38	?	-	7.0	
Shoeburyness ...	bc.c.f.	c.o.f.	57	35	30	-	6.2	
Benson ...	b	b	57	32	29	-	*	
S. Farnborough ...	bc.c.f.	c.o.f.	56	33	29	-	5.9	
London (Kew Obs.)	bc.c.f.	c.o.f.	50	3	33	-	0.6	
Croydon ...	bc.c.f.	c.o.f.	58	35	4	-	0.1	

BEAUFORT NOTATION.

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

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-0.9
2	4-7	1.0-1.9
3	8-12	2.0-2.9
4	13-18	3.0-3.9
5	19-24	4.0-4.9
6	25-31	5.0-5.9
7	32-38	6.0-6.9
8	39-46	7.0-7.9
9	47-54	8.0-8.9
10	55-63	9.0-9.9
11	64-75	10.0-10.9
12	Above 75	11.0 or above

SYMBOLS.

Aurora	☄	Solar halo	☉
Ring	☉	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.	Humidity %
Greenwich (Royal Observatory)	b.m.	b.m.	b.m.x.f.	55	34	28	5.2	70
City (Bunhill Row)								
Westminster (St. James's Park)								
Camden Sq. (British Rainfall)	f.c.f.c.	bc.c.m.		54	35	31		97
Kensington Palace	of.b.m.	c.		55	33	28		93(18h)
Hampstead Observatory	fe.b.x	bf.b.m.	b.m.x.	53	40	34	3.1	81

SOUTH KENSINGTON (Meteorological Office).

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

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

Stations.	24 th AND 25 th OCTOBER 1888.	
	Sunrise.	Noon.
Yarmouth...	6.36	11.37
Greenwich	6.41	11.42
Wick	7.10	12.25
Valencia	7.23	12.25

Photographic Record of

Pole Star (Polaris) and of 3 Ursae

Minoris at Greenwich Observatory.

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

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

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell heavily in parts of Ireland. At Valencia the total was 51mm and at Blacksod Point 13mm. In England and Scotland, however, there was little or none, and in England there were many good records of bright sunshine. Minimum temperatures of about 35° occurred at several stations in the South of England.

20.

TEMPERATURE	
Max.	Min.
63	52
55	52
64	55
67	57
70	52
77	57
70	57
68	54
72	57
72	64
63	57
51	57
90	68
93	70

Weather.

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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21522. MONDAY, 25th OCTOBER.....1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H 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. 24 th																							
Renfrew	10250	+1	NE	1	bczf	54	75	3	-	-	-	10248	+1	NE	1	bczf	47	92	3	-	-	-	-
Eskailemair	10250	+1	NE	2	bczf	54	75	4	-	-	-	10249	+1	NNW	2	bczf	40	92	3	1250	Sc	3	-
Valencia (Cahire's)	10207	+2	E	1	C	58	85	7	4200	Sc	4	10214	+2	E	2	bczf	55	75	5	4200	Sc	6	-
Baldonnel	10230	+1	E	1	02f	55	75	4	4200	Sc	9	-	10243	+3	-	0	03f	50	92	2	3000	Sc	10
MANCHESTER (PARR)	10236	-1	E	4	bczf	53	65	4	-	-	-	10251	+3	ENE	2	bczf	45	85	3	-	-	-	-
Ross on Wye	10225	0	ENE	4	02f	45	92	4	750	Sc	10	-	10240	+2	ENE	1	bczf	46	97	3	750	Sc	6
Falmouth	10186	-1	ENE	4	bczf	57	85	4	-	-	-	10195	+2	ENE	2	bczf	51	85	3	-	-	-	-
Calshot (Hants)	10201	-1	ENE	3	bczf	57	85	4	-	-	-	10214	+3	ENE	2	bczf	52	92	3	-	-	-	-
Lympe (Folkestone)	10209	0	E	4	bif	57	65	6	-	-	-	10218	0	NE	3	bif	48	85	6	-	-	-	-
Aberdeen	10260	+1	S	2	bczf	52	75	4	2000	Sc	3	-	10281	+3	S	1	bczf	48	85	3	2000	Sc	4
Howden	10261	-1	NNW	1	bczf	48	97	3	750	Sc	10	-	10289	+1	-	0	01f	48	97	5	2000	Sc	9
Cranwell (Lincs)	10288	1	NE	3	b	53	85	6	2000	Cu	2	-	10253	+3	NE	2	b	49	92	5	2000	Sc	9
Feixstowe	10223	0	ENE	3	bczf	57	75	6	-	-	-	10232	+2	NNW	3	bif	47	97	5	-	-	-	-
Shoeburyness	10216	0	ENE	3	bif	57	65	7	-	-	-	10212	+4	ENE	1	b	48	85	7	-	-	-	-
Benson	10214	0	NE	2	b	50	92	3	-	-	-	10213	+1	NE	2	b	48	92	4	-	-	-	-
S. Farnborough	10209	0	E	2	03f	52	85	2	750	Sc	9	-	10221	+2	ENE	2	bif	47	92	4	750	Sc	2
London (Kew Obs.)	10209	-2	NE	2	bczf	55	75	3	3000	Cu	3	-	10214	+2	NNW	2	bczf	51	85	3	2000	Sc	3
Croydon	10214	0	NE	3	bczf	56	75	4	-	-	-	10226	+2	NE	4	bczf	47	85	4	-	-	-	-
1H. G.M.T. OF 25 th																							
Renfrew	10304	+2	NNW	3	b	35	92	5	-	-	-	10304	+2	-	0	02fx	36	97	3	2000	Sc	9	-
Eskailemair	10304	+1	NNW	3	b	35	92	5	-	-	-	10303	+1	N	3	bifw	40	92	6	2000	Sc	1	-
Valencia (Cahire's)	10239	0	ENE	1	bc	45	85	7	-	-	-	10235	+1	NE	1	bifw	44	85	6	2000	Sc	1	-
Baldonnel	10259	+2	-	0	02f	42	97	4	4500	Sc	7	-	10265	+2	-	0	02f	40	97	0	4500	Sc	10
MANCHESTER (PARR)	10280	+2	E	3	bczf	46	85	3	-	-	-	10280	+2	E	3	bczf	46	85	3	-	-	-	-
Ross on Wye	10264	+1	ENE	4	ogm	46	92	5	1250	Sc	10	-	10264	+1	ENE	4	ogm	46	92	5	1250	Sc	10
Falmouth	10231	+2	ENE	3	02f	46	97	5	-	-	-	10231	+2	ENE	3	02f	46	97	5	-	-	-	-
Calshot (Hants)	10243	+2	NE	3	bif	46	97	5	-	-	-	10243	+2	NE	3	bif	46	97	5	-	-	-	-
Lympe (Folkestone)	10251	+2	NE	4	bifw	43	97	5	-	-	-	10251	+2	NE	4	bifw	43	97	5	-	-	-	-
Aberdeen	10316	+2	W	2	bczf	40	97	5	3000	Sc	8	-	10316	+2	W	2	bczf	40	97	5	3000	Sc	8
Howden	10299	+2	-	0	02f	37	97	4	3000	Sc	9	-	10299	+2	-	0	02f	37	97	4	3000	Sc	9
Cranwell (Lincs)	10286	+2	NNW	2	02f	40	97	1	4500	Sc	10	-	10286	+2	NNW	2	02f	40	97	1	4500	Sc	10
Feixstowe	10260	+2	NE	4	b	51	92	6	-	-	-	10260	+2	NE	4	b	51	92	6	-	-	-	-
Shoeburyness	10257	+2	NE	1	bczf	43	92	5	-	-	-	10257	+2	NE	1	bczf	43	92	5	-	-	-	-
Benson	10257	+1	NE	3	bczf	42	97	3	-	-	-	10257	+1	NE	3	bczf	42	97	3	-	-	-	-
S. Farnborough	10254	+2	NNW	3	03f	45	97	2	750	Sc	10	-	10254	+2	NNW	3	03f	45	97	2	750	Sc	10
London (Kew Obs.)	10262	+2	NE	3	03f	46	85	3	750	Sc	10	-	10262	+2	NE	3	03f	46	85	3	750	Sc	10
Croydon	10264	+2	NNW	2	04f	45	97	2	4500	Sc	10	-	10264	+2	NNW	2	04f	45	97	2	4500	Sc	10

STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.

STATIONS.	BAROM. at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.
			mb.	°F.		Direc.	Force 0-12.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
18H. G.M.T. of 24 th						7H. G.M.T. of 25 th						24 HOURS ENDED 7H. 25 th						24 th			
Lerwick																					
Stornoway	1027.2	51	S	2	omc	1031.1	+4	51	-1	SSW	1	-	om	1	-	51	49	om	omc	om	4.1
Castellbay (Barrals)	1026.0	51	SSW	3	0	1028.6	0	42	-12	-	0	NW	of	0	-	58	42	o.c	0	o. of	2.0
Malin Head	1026.7	54	ENE	2	0	1028.2	+1	55	0	E	2	-	bcm	2	-	55	49	0	0	o. bcm	0.0
Blackod Point	1024.2	52	SE	2	bc													bc	0		
Roche's Point	1023.0	50	SE	2	bcm	1023.2	0	49	-4	SE	2	-	bcm	2	-	61	47	bc	bc	bc. bcm	*
Birr Castle	1022.9	50	ENE	1	bc	1024.7	+1	53	-3	ENE	3	-	o	3	Trace	57	48	o.c. of	o. bc	bc. om	*
Donaghadee	1023.5	51	N	1	bc	1025.0	*	40	-12	N	1	-	m	*	-	58	38	c.z	bc	c.z	2.8
Liverpool (Bidston)	1025.3	52	E	1	bcm	1027.7	+2	48	-6	E	4	-	bcmq	3	-	55	48	cm	bcm	bmq	*
Holyhead	1024.7	47	ENE	1	m	1027.7	0	38	-5	ENE	1	-	f	1	-	49	38	bm.	bm	m.f	2.7
Pembroke (St. Mary's)	1028.6	51	ENE	4	bm	1026.2	+1	44	-4	E	1	-	bx	0	Trace	56	43	bz. bm	bm	bq. bm	7.8
Scilly (St. Mary's)	1022.2	51	N	3	bm	1024.6	0	45	-4	NNE	3	-	bm	3	-	55	45	cm	cm	bm	1.4
Jersey (St. Aubin)	1019.8	55	NE	2	bc	1021.0	0	52	-1	E	3	-	b	4	-	60	51	cm	cm. bc	bc. bm	2.3
Portland Bill	1017.5	58	ENE	3	bm	1020.2	0	53	+9	ENE	2	-	bm	1	-	60	45	b	bm	bm. w	9.7
Dunageess	1019.5	59	ENE	5	b	1021.9	0	50	-5	ENE	5	-	bm	5	-	59	46	bcm	bm	bm	*
Wick	1020.6	58	A	5	b	1021.9	+1	52	0	E	4	-	b	4	-	58	51	b	b	b	*
Nairn	1026.7	48	-	0	f	1029.9	+1	49	-3	SSW	3	-	om	2	-	51	40	f	f	f. om	*
Leith	1026.7	45	-	0	b	1029.9	*	43	-3	-	0	-	me	0	0.2	55	40	c. bc	bcm	b. bcm	6.5
Tynemouth	1026.7	49	NE	2	o	1030.3	+1	44	0	SE	1	-	om	1	-	52	39	b. mc	cmo	omo	*
Spurn Head	1026.8	49	N	2	cm	1029.6	+1	48	+5	ESS	2	-	om	1	-	49	43	f	bcm	cm. om	*
Yarmouth (Gov. Station)	1024.7	52	ENE	3	c	1028.8	+1	51	+5	E	4	-	bcw	2	0.2	57	43	bc	bc	bcw	*
Clacton-on-Sea	1023.5	52	E	4	b	1027.0	+2	52	+2	E	5	-	b	3	-	56	49	b	b	b	9.0
Nottingham	1022.4	51	NE	2	b	1025.6	+3	48	+4	NE	3	-	bcz	2	-	58	43	bm	bm	bm. bz	8.9
	1025.1	47	NE	3	c	1028.5	*	48	+7	NE	2	NE	om	4	-	54	40	f	m.b	c. b	3.2

* 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. 25.10.1920.

Districts	Weather, Cloud and Precipitation	Visibility	Sea
1. S.E. England	Mist or fog.	Poor	Mod.
2. E. England	Fine or fair; fog inland.	Var.	Slight
3. E. Midlands	Overcast; misty.	Poor	-
4. W. Midlands	Misty.	"	-
5. S.W. England	Variable sky; misty.	Indiff.	Mod.
6. South Wales	" " "	"	Slight
7. North Wales	Fine or fair; local mist	Var.	Smooth
8. N.W. England	Fine; local fog.	Poor	Slight
9. N. Midlands	Variable sky; local fog	"	-
10. N.E. England	Fair to dull; mist locally	Indiff.	Smooth
11. E. Scotland	Cloudy or dull; misty.	"	"
12. S.W. Scotland	Variable sky; misty	"	Slight
13. Isle of Man	Fair; misty.	"	"
14. N. & N.W. Scotland	Mainly dull; misty.	Poor	Smooth
15. Hebrides	Fair or dull; misty.	"	"
16. Orkneys and Shetlands	Dull; misty.	Indiff.	"
17. N.W. Ireland	Fair; misty.	"	"
18. N.E. Ireland	Fair; misty.	"	Slight
19. S.E. Ireland	Dull; local mist or fog.	V. Poor	Smooth
20. S.W. Ireland	Variable sky; misty.	Indiff.	Slight

Temperature reported from Coastal and Cross Channel Steamers

Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
7	24 th	0150	57	55
8	24 th	0519	57	55

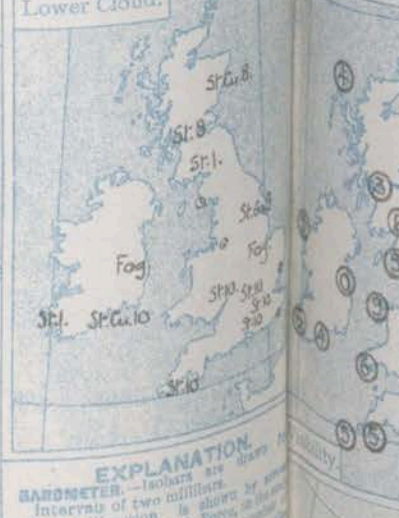
CHART OF POSITION NUMBERS and Upper Cloud



Isallobars.



Lower Cloud.



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

The anticyclone expanding from the Northeast will probably maintain fair weather for a day or two over the British Isles generally.

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of two millibars.
WIND.—Direction is shown by the arrow flying with the wind. Force in knots 0-15 is indicated by the number of feathers. Mean velocity is shown in knots per hour by figures in small circles.
TEMPERATURE.—Temperature is given in degrees F.
WEATHER SYMBOLS.
 clear sky. ☉ sky & clouds. ☁ sky & clouds. ☁
 overcast sky. ☁
 snow. ❄️ mist. ☁
 fog. ☁
 T thunder. ⚡
SEA DISTURBANCE.—Rough. ~~~~~ High. ~~~~~

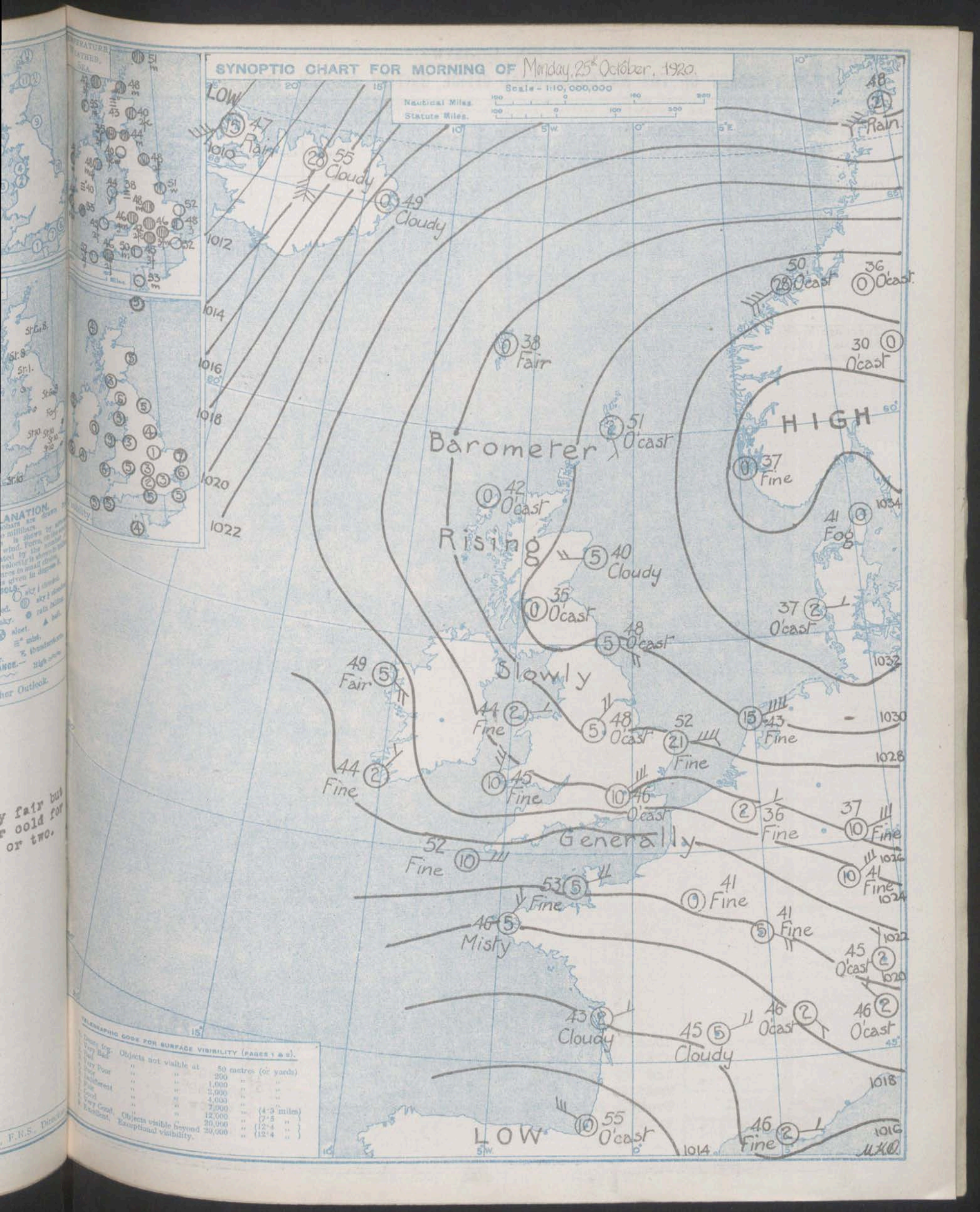
Further Outlook

Districts	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, October 25th, 1920.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind NE or E moderate, fresh at times; fair or fine; some morning mist, day visibility fair; rather cold.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Winds between S and E light or moderate; fair or fine; morning mist or fog, day visibility mainly fair; rather cold.

Mainly fair but rather cold for a day or two.

SYNOPTIC CHART FOR MORNING OF Monday, 25th October, 1920.

Scale - 1:10,000,000
Nautical Miles 100 200 300 400
Statute Miles 100 200 300 400



ANATION
Charts are drawn to a scale of 1:10,000,000. The chart shows the position of the weather system at the time of observation. The values are given in degrees Fahrenheit.

fair but cold for or two.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).

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

(4-5 miles)
(7-5 "
(12-4 "
(12-4 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No 299.

MONDAY,
25 OCTOBER

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 24 th																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 23-24 th	Day. 9h-17h. 24 th	to 17h. 24 th	Sunrise to Sun- set. 23 rd			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 23-24 th	Day. 9h-17h. 24 th	to 17h. 24 th	Sunrise to Sun- set. 23 rd
Scotland.	Oban									England, N.W.	Douglas (I.O.M.)								
	Banff	m	c. bc. 5	57	48	-	-	1.5	2.7		Blackpool	bc	bc	55	40	-	-	4.1	5.7
	Montrose										Southport	5	bm. 5	63	38	-	-	6.3	4.5
	St. Andrews										MORECAMBE.								
England, N.E.	Harrogate	0	0	45	40	0.3	-	0.0	0.0	Midlands.	Buxton								
	Scarborough	bc	5	55	48	-	-	1.4	2.7		Leamington Spa... ..	*	*	48	36	-	-	0.8	3.6
	Skegness										Malvern								
	Lowestoft										Bath	m. 5	5	52	38	-	-	5.1	3.8
England, E.	Felixstowe	by	bm	56	40	-	-	8.7	8.2	Wales.	Rhyl	bc. 5	bc. 5	54	38	-	-	6.1	?
	Southend-on-Sea... ..	wm. 5	5	58	39	0.1	-	8.2	6.7		Colwyn Bay	5	5	54	41	-	-	4.3	?
											Llandudno	m. 5	5	55	43	-	-	7.0	?
											Aberystwyth								
England, S.E.	Tunbridge Wells	5	5	59	30	-	-	7.8	7.6	England, S.W.	Tenby								
	Margate	5	5	57	48	-	-	7.6	3.3		Swansea								
	Ramsgate	*	*	57	46	-	-	8.1	5.9										
	Folkestone	5	5	63	45	-	-	7.4	7.4										
	Hastings										Weymouth								
	Eastbourne	5	5	58	40	-	-	8.1	8.2		Teignmouth								
	Brighton	5	5	61	41	-	-	8.4	?		Torquay	bc. 5	bc. 5	57	52	-	-	7.0	?
	Worthing	5	5	59	41	-	-	8.3	8.5		Paignton								
	Littlehampton										Penzance	c. 5	c. 5	60	50	-	-	3.6	?
	Portsmouth (S. base)	*	*	59	42	-	-	7.7	7.5		Newquay	c. 5	bc. 5	58	48	-	-	2.1	4.3
	Bournemouth	*	*	58	39	-	-	6.2	?		Bude	5	5	60	45	-	-	8.0	4.5
	Ventnor (I. of W.)	*	*	58	48	-	-	8.6	7.4		Ilfracombe	bc. 5	c	57	47	-	-	4.0	?
											Weston-s-Mare	m. 5	bm	58	39	-	-		

SUMMARIES FOR PAST 24 HOURS.										STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUN.	
7h-13h		13h-18h		18h-24h		1h-7h		Max. Temp. F.	Min. Temp. F.			7h-13h	13h-18h	18h-24h	1h-7h	Day. 7h-18h.	Night. 18h-7h.	Hours.	Hours.
Renfrew ...		22c. bc. 1/2		b. 0.3		b. 0.3		53	35	20	0.4								
Eskdalemuir ...		c. 0.4		b. 0.3		b. 0.3		53	35	31	4.9								
Valencia (Cahire's)		0.0		b. 0.3		b. 0.3		60	41	35	1.2								
Baldonnel		0.0		c. 0.4		c. 0.4		57	37	30	2.5								
MANCHESTER (MET. OFF.)		b. 3.		b. 3.		b. 3.		53	36	24	*								
Ross on Wye...		0.0		0.0		0.0		47	37	32	0.1								
Falmouth ...		b. 0.2		b. 0.2		b. 0.2		59	46	41	3.1								
Calshot (Hants)...		b. 0.3		b. 0.3		b. 0.3		52	45	30	7.9								
Lympnet (Folkstone)		b. 0.3		b. 0.3		b. 0.3		57	41	36	8.5								
Aberdeen ...		0.2		3.0		3.0		52	38	37	2.4								
Howden ...		3.0		3.0		3.0		54	34	29	2.2								
Cranwell (Lincs) ...		b. 0.3		b. 0.3		b. 0.3		56	36	33	4.4								
Felixstowe ...		b. 0.3		b. 0.3		b. 0.3		58	39	*	8.4								
Shoeburyness ...		b. 0.3		b. 0.3		b. 0.3		58	38	33	9.6								
Benson ...		b. 0.3		b. 0.3		b. 0.3		53	33	31	*								
S. Farnborough ...		0.0		0.0		0.0		55	36	31	6.2								
London (Kew Obs.)		b. 0.3		b. 0.3		b. 0.3		57	34	30	2.4								
Croydon ...		b. 0.3		b. 0.3		b. 0.3		58	37	*	*								

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 WH G.M.T. 25 th								YESTERDAY.	TO-DAY.	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	25 th 26 th OCTOBER. 1898.			
												Stations.	Sunrise.	Noon.	G.M.T.
												G.M.T.	G.M.T.	G.M.T.	G.M.T.
Greenwich (Royal Observatory)	b. f. b	b. b f	f. b	59	42	28	-	6.7	59	9.4					
City (Sunhill Row) ...	*	*	*	*	*	*	*	4.7	*	*					
Westminster (St. James's Park)	*	*	*	60	42	36	-	5.5	69	8.4					
											Total 359 Joules.				
											Milliwatts.				
Camden Sq. (British Rainfall)	-	-	*	60	40	35	-	*	-	99	Average Rate. 9.9				
Kensington Palace ...	of. b. bc	b	*	59	40	33	-	*	89 (18h)	98	Maximum Rate. 22				
Hamstead Observatory ...	*	*	*	57	43	40	trace	8.1	*	89					
			</												

Photographic Record of Pole Star (Polaris) and of 8 Ursae Minoris at Greenwich Observatory.										NOTES ON THE WEATHER OF YESTERDAY.									
Exposure from 24 th 17h. 45m.		to 25 th 3h. 45m.		Stars.		Duration of Exposure.		Duration of Record.		The day was rainless but there was a good deal of cloud locally in the North and West and in many places fog interfered with sunshine records. The highest durations occurred in the SE and E of England, 9.0 hours being registered at Gorleston. Maximum temperatures were mostly between 55° and 60°. Ground frosts of some intensity occurred at Glasgow and Manchester.									
Polaris		12.0		8.38		72		8.22											
8 Ursae Minoris		12.0		8.22		70													

Information for these columns not usually received.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21,523 TUESDAY, 26th OCTOBER, 1920.

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

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 19H.																										
STATIONS.	BAROM.	1	WIND.		TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.	BAROM.	2	WIND.		TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.
	at M.S.L.	Change in 2 hours.	Dir.	Force 0-12.					Form.	Am.	Form.	Am.		at M.S.L.	Change in 2 hours.	Dir.	Force 0-12.					Form.	Am.	Form.	Am.	
	mb.																									
13H. G.M.T. 25 th													19H. G.M.T. OF 25 th													
Renfrew ...	1030.2	-2	RNE	3	b	51	65	5	-	-	-	-	1030.1	+1	RNE	3	b3f	47	85	3	-	-	-	-	4	
Esksdalemuir ...	1030.1	0	NE	2	b3	52	65	5	-	-	-	-	1030.7	+1	N	3	b	45	85	6	-	-	-	-	4	
Valencia (Cahire'n)	1022.4	-2	ESE	3	b3	58	75	6	3.000	Str	3	-	1021.6	0	ESE	4	b3f	54	85	6	3.000	Str	3	-	3	
Baldonnell	1026.3	-1	E	1	b3	56	85	4	4200	cu	1	-	1025.9	+1	-	0	b2f	49	85	4	-	-	-	-	8	
Manchester (Alex. Rm)	1028.6	-1	E	4	b2f	55	65	5	-	-	-	-	1027.9	+1	RNE	4	b3f	50	85	3	-	-	-	-	4	
Ross on Wye	1026.0	-1	ENE	4	b	56	65	6	-	-	-	-	1026.5	0	ENE	2	b3f	48	85	6	-	-	-	-	4	
Falmouth	1023.3	0	E	3	b3	58	75	6	-	Str	1	-	1023.1	+1	RNE	3	b3	55	75	5	-	-	-	-	4	
Calshot (Hants)	1024.7	-1	E	2	b2f	58	85	5	-	-	-	-	1024.4	0	ENE	3	b1f	52	85	6	-	-	-	-	2	
Lymington (Folkestone)	1025.8	+1	NE	6	b3f	56	65	7	-	-	-	-	1025.6	+1	NE	5	b3f	49	85	5	-	-	-	-	2	
Aberdeen	1031.7	-1	S	3	b1f	53	65	6	2000	Str	3	-	1032.4	+1	SSE	2	b3f	48	85	6	2000	Str	5	-	2	
Howden	1030.4	0	RNE	3	b3	56	75	6	2000	Str	2	R.S.	2	1030.7	+1	-	0	b	44	97	6	-	-	-	4	
Cranwell (Lincs)	1028.9	0	NE	3	b	57	65	7	-	-	-	-	1029.4	+2	NE	2	b	46	92	5	-	-	-	-	3	
Felixstowe	1027.7	0	RNE	4	b	57	75	7	-	-	-	-	1027.8	0	RNE	4	b1f	53	85	6	-	-	-	-	4	
Shoeburyness	1026.8	+1	NE	3	b	57	75	7	-	-	-	-	1026.7	0	NE	1	b	49	85	7	-	-	-	-	4	
Benson	1025.5	-1	NE	4	b	52	85	4	-	-	-	-	1026.1	-1	NE	1	b	45	92	5	-	-	-	-	4	
S. Farnborough	1025.0	0	ENE	3	b3	58	65	8	750	Str	2	-	1025.5	0	ENE	2	b3f	48	85	4	4500	Str	1	-	4	
London (Kew Obs.)	1026.0	0	NE	4	b3	58	65	4	-	-	-	-	1026.4	+1	ENE	4	b2f	52	65	4	-	-	-	-	4	
Croydon	1026.1	0	ENE	6	b2f	57	65	5	-	-	-	-	1026.3	+1	ENE	5	b2f	48	85	5	-	-	-	-	4	
1H. G.M.T. OF 26 th													7H. G.M.T. OF 26 th													
Renfrew	1031.8	0	N	3	b	34	92	7	-	-	-	-	1030.3	0	E	2	b3f	40	97	3	750	Str	10	-	4	
Esksdalemuir	1030.6	0	ESE	3	b3	52	-	-	-	-	-	-	1031.2	0	N	3	b3	34	92	7	-	-	-	-	4	
Valencia (Cahire'n)	1020.6	0	ESE	3	b3	45	92	4	-	-	-	-	1019.3	-1	SSE	4	b3f	54	75	6	2000	Str	6	cu	3	
Baldonnell	1026.1	0	SE	1	b3f	45	92	4	-	-	-	-	1024.9	0	S	2	b3f	46	85	6	-	-	cu	2	-	
Manchester (Alex. Rm)	-	-	-	-	-	-	-	-	-	-	-	-	1028.5	0	ENE	2	b3f	40	92	3	-	-	cu	1	-	
Ross on Wye	-	-	-	-	-	-	-	-	-	-	-	-	1027.3	0	ENE	3	b3f	43	92	4	750	Str	10	-	-	
Falmouth	1022.7	-2	E	6	b3f	56	85	6	-	-	-	-	1022.6	0	SE	4	b	55	85	7	-	-	Str	2	-	
Calshot (Hants)	1025.9	0	ENE	3	b3f	49	92	6	-	-	-	-	1026.3	0	ENE	3	b3f	45	92	5	-	-	-	-	2	
Lymington (Folkestone)	1027.3	+2	NE	3	b3f	46	85	5	-	-	-	-	1027.3	0	NE	3	om	39	92	5	-	-	-	-	4	
Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	1031.1	0	S	1	b3f	41	97	2	2000	Str	2	-	2	
Howden	1030.9	0	-	0	o3f	33	97	1	4500	Str	10	-	1030.6	0	-	0	o3f	31	97	1	-	-	-	-	-	
Cranwell (Lincs)	1029.7	-1	NE	2	b3f	42	97	4	-	-	-	-	1029.6	0	NE	1	b3f	41	97	2	4500	Str	5	-	-	
Felixstowe	1028.9	0	ENE	3	b	52	85	7	-	-	-	-	1028.4	0	ENE	4	b3f	52	85	6	-	-	-	-	2	
Shoeburyness	-	-	-	-	-	-	-	-	-	-	-	-	1027.7	0	NE	1	b3f	42	92	6	-	-	-	-	-	
Benson	-	-	-	-	-	-	-	-	-	-	-	-	1027.7	+1	NE	3	b3f	35	97	2	-	-	-	-	-	
S. Farnborough	-	-	-	-	-	-	-	-	-	-	-	-	1027.1	0	ENE	3	b3f	40	97	1	750	Str	10	-	-	
London (Kew Obs.)	1027.5	+1	-	-	-	-	-	-	-	-	-	-	1027.7	+1	NE	2	om	44	92	2	750	Str	9	-	-	
Croydon	1027.7	+1	E	1	b3f	41	92	4	-	-	-	-	1028.3	0	ENE	2	b3f	39	97	1	4500	Str	10	-	-	

STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.

STATIONS.	BAROM. at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.
	mb.	'F.	Direc.	Force 0-12.		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 25 th 7H. G.M.T. of 26 th 24 HOURS ENDED 7H. 26 th 25 th																				
Lerwick	1032.9	48	SE	2	cm	1030.7	-1	48	-3	SE	3	SE	bcm	2	-	51	47	om	cm	bc, bcm	*
Stornoway	1028.2	45	-	0	bm	1026.3	0	44	+2	-	0	-	b3f	0	-	55	37	b	bm	f. b3f	6.2
Castell Bay (Barra)	1027.4	53	ESE	4	bm	1028.9	0	52	-3	SE	6	-	c	5	-	54	50	bcm, bm	bm	bmc	6.2
Malin Head	1026.5	52	E	1	b3	1022.6	0	47	+2	ESE	4	-	b	4	-	53	44	b3	b3	b3	8.3
Blackod Point	1021.9	55	SE	3	bm	1020.5	-2	49	0	SE	3	-	bc	3	-	60	46	bc	bcm	bc	*
Roche's Point	1023.8	55	SE	4	b	1023.9	0	55	+2	SE	4	-	o	4	-	56	52	c3	o3, b3	boz	*
Dirr Castle	1024.1	51	SE	1	bc	1023.4	*	44	+4	SSE	1	-	c	*	-	59	41	z	bc	bcc	8.4
Donaghadee	1026.8	53	ESE	3	bm	1026.4	0	51	+3	ESE	4	-	bm3	3	-	55	48	bm3	bm3	bm3	*
Liverpool (Bidston)	1027.6	50	ESE	2	m	1028.1	0	43	+5	ESE	3	-	bm	2	-	55	39	f. bm	bm	bm	8.0
Holyhead	1025.7	53	ENE	5	bm	1026.6	-1	47	+3	ENE	4	-	b3	3	trace	57	42	bm	bm	bm	8.7
Pembroke (St. Mary's Head)	1024.8	53	E	2	bm	1024.7	0	47	+2	E	3	-	bm	2	-	57	45	bm	bm	bm	9.0
Scilly (St. Mary's)	1022.9	54	E	4	bc	1021.5	0	54	+2	ESE	3	SE	b	4	-	57	53	b. bcm	bcm	bc, bm	3.3
Jersey (St. Aubin)	1020.0	54	ENE	4	b	1023.3	0	49	-4	E	2	-	b	2	-	62	48	bm, b	b	bw	8.5
Portland Bill	1022.4	57	ENE	5	bm	1023.8	0	52	+2	ENE	5	-	bc	5	-	59	48	m, b	bm	mb, bbc	*
Dunnet	1023.0	55	ENE	5	b	1026.7	0	50	-2	E	4	-	b	4	-	58	50	b	b	b	*
Wick	1030.4	50	SSE	3	b3	1028.4	-1	47	-1	SSE	3	-	b	3	-	51	46	bcm	bcm, b3	bm3, bm3	*
Nairn	1029.7	42	-	0	m	1028.5	*	32	-11	-	0	-	me	0	0.4	45	31	me	me	me	0.4
Leith	1030.1	49	E	1	b	1029.7	-1	41	-3	SE	1	-	b	1	-	55	39	ome, bc	bc, b	b3, b3	*
Tynemouth	1031.6	50	SE	2	b3	1030.8	-1	46	-2	SW	1	-	bc, f	2	trace	51	45	c3	b3	b3, b3	*
Spurn Head	1029.3	52	ENE	4	b	1029.7	0	51	0	E	4	-	b3, w	3	-	56	49	bc, b	b	b	*
Yarmouth	1028.0	53	E	4	b	1028.9	0	51	-1	ESE	4	-	b	3	-	56	51	b	b	b	9.0
Clacton-on-Sea	1026.9	52	ANE	3	b	1027.7	0	52	+4	ENE	3	-	bc, z	2	-	57	47	bc, b3	b3	b3, z	9.2
Nottingham	1029.1	49	E	3	b	1029.6	*	42	-6	E	2	-	fe	*	0.1	57	37	c, bc	b	b	6.3

* Information for these columns not usually received.

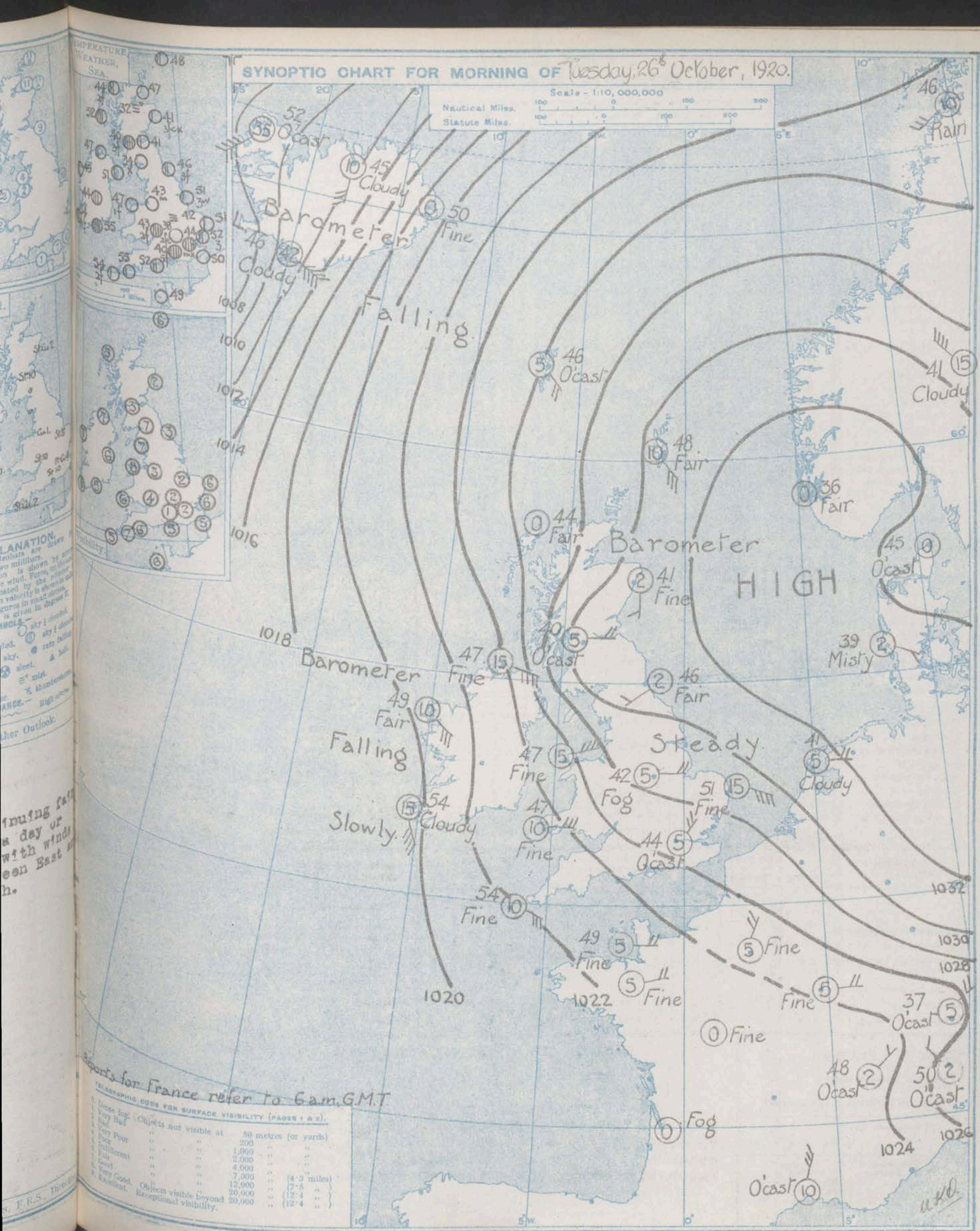
† The barometric change is expressed in half millibars.

§ For code see page 3.

SYNOPTIC CHART FOR MORNING OF Tuesday, 26th October, 1920.

Scale - 1:10,000,000

Nautical Miles.
Statute Miles.



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

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).

Code	Meaning
0	Very Poor
1	Poor
2	Fair
3	Good
4	Very Good
5	Excellent

Objects not visible at 50 metres (or yards):

- 0: Objects not visible at 50 metres (or yards)
- 1: 200 "
- 2: 1,000 "
- 3: 2,000 "
- 4: 4,000 "
- 5: 7,000 "

Objects visible beyond 20,000:

- 6: 12,000 "
- 7: 20,000 "
- 8: 20,000 "
- 9: 20,000 "

Exceptional visibility:

- 10: 12.4 "
- 11: 12.4 "
- 12: 12.4 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 300

Tuesday
26th October

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

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-19h. 24 ^h 25 ^h	Day. 9h-17h. 25 ^h	to 17h. 25 ^h	Sunrise to Sun- set. 24 ^h			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-19h. 24 ^h 25 ^h	Day. 9h-17h. 25 ^h	to 17h. 25 ^h	Sunrise to Sun- set. 24 ^h
Scotland.	Oban	b 3	b	57	37	-	-	7.1	?	England, N.W.	Douglas (I.O.M.)			56	40	-	-	8.8	7.1
	Banff	b 3	b	52	38	-	-	8.5	1.5		Blackpool	b	b	57	36	-	-	8.0	6.3
	Montrose	c	bc.c	51	43	-	-	2.2	?		Southport	b	b	57	36	-	-	8.0	?
	St. Andrews	-	-	51	42	-	-	2.7	?		Morecambe	-	-	58	38	-	-	8.6	?
England, N.E.	Harrogate	o.c. bc	b	52	41	-	-	4.6	0.0	Midlands.	Buxton			58	41	-	-	6.8	0.8
	Scarborough	b	b	58	50	-	-	4.0	1.4		Leamington Spa... ..	bc	bc	58	41	-	-	6.2	?
	Skegness	bc	b	55	50	-	-	9.1	?		Malvern	o.c	bc.b	56	44	-	-	7.9	5.1
England, E.	Lowestoft	b	b	56	47	-	-	8.7	?		Bath	bc.b	b	56	44	-	-	7.7	6.1
	Felixstowe	bc	bc	56	46	-	-	9.1	8.7	Wales.	Rhyl	b	b	56	38	-	-	7.9	7.3
	Southend-on-Sea...	bc.m.b	b	57	40	0.2	-	8.4	6.2		Colwyn Bay	-	-	56	37	-	-	8.2	7.0
											Llandudno	b	b	56	41	-	-	8.5	?
											Aberystwyth	o.c.b	b.bc	59	45	-	-	-	-
	Tunbridge Wells	b	b	59	43	-	-	6.8	7.8		Tenby	-	-	62	46	-	-	8.6	0.0
	Margate	b	b	56	52	-	-	8.6	7.6		Swansea	-	-	-	-	-	-	8.1	?
	Ramsgate	-	-	56	50	-	-	8.8	8.1	England, S.W.	Weymouth	b	b	59	44	-	-	8.0	?
	Folkestone	b	b	58	46	-	-	8.4	7.4		Teignmouth	b	b	59	45	-	-	8.5	7.0
	Hastings	bc	b	59	46	Trace	-	9.2	?		Torquay	-	-	58	45	-	-	7.6	?
	Eastbourne	b	b	62	44	0.1	-	8.7	8.1		Paignton	b	bc	58	42	-	-	8.8	3.6
	Brighton	b	b	61	46	-	-	9.0	8.4		Penzance	b	b	58	49	-	-	8.8	2.1
	Worthing	b	b	61	46	-	-	9.3	8.3		Newquay	b	b	61	42	-	-	9.0	8.0
	Littlehampton	b	b	61	44	-	-	9.0	?		Bude	bc	b	59	43	-	-	8.5	8.0
	Portsmouth (S. thea)	-	-	61	44	-	-	8.5	7.7		Ilfracombe	b	b	59	53	-	-	7.2	4.0
	Bournemouth	-	-	59	42	-	-	8.3	6.2		Weston-s-Mare	bc.b	b	57	44	-	-	-	-
	Ventnor (I. of W.)	-	-	59	46	-	-	8.8	8.6										

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	7h-13h 25 th	13h-18h 25 th	Max. °F.	Min. °F.	Night. 17h-19h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.
Renfrew ...	bc	bc	52	35	36	mm.	mm.	4.4
Eskdalemuir ...	bc	bc	54	35	30	-	Trace	9.9
Valencia (Cahire'n)	b.b	3.b	58	43	48	-	-	5.7
Baldonnel ...	b.b	bc	59	36	29	-	-	7.5
Manchester (Alex Park)	bc	bc	56	37	23	-	-	6.0
Ross on Wye...	bc	bc	56	38	31	-	-	8.4
Falmouth ...	bc	bc	59	45	45	-	-	9.1
Calshot (Hants)...	bc	bc	56	38	35	-	-	9.2
Lymington (Folkestone)	bc	bc	56	38	35	-	-	4.8
Aberdeen ...	bc	bc	57	35	33	-	-	8.3
Howden ...	bc	bc	57	35	33	-	-	8.9
Cranwell (Lines) ...	bc	bc	57	35	33	-	-	8.9
Felixstowe ...	bc	bc	57	35	33	-	-	8.9
Shoeburyness ...	bc	bc	57	35	33	-	-	8.9
Benson ...	bc	bc	57	35	33	-	-	8.9
S. Farnborough ...	bc	bc	57	35	33	-	-	8.9
London (Kew Obs.)	bc	bc	57	35	33	-	-	8.9
Croydon ...	bc	bc	57	35	33	-	-	8.9

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 continuity, thus:-
RR = heavy rain.
rr = continuous moderate rain.
r.r. = continuous light rain.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-0.9
2	4-7	0.9-2.4
3	8-12	2.4-3.3
4	13-18	3.3-5.1
5	19-24	5.1-6.7
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.		SUNSHINE.	
	Morning.	Afternoon.	Night.	Max. °F.	Min. °F.	Min. on Grass. °F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.
Greenwich (Royal Observatory)	b	b	bc	59	36	29	-	7.4
City (Bunhill Row)	-	-	-	60	43	38	-	6.5
Westminster (St. James's Park)	-	-	-	60	43	38	-	6.6
Camden Sq. (British Rainfall)	bc	bc	-	61	38	32	-	6.1
Kensington Palace	bc	bc	-	59	39	31	-	7.6 (18h)
Hampstead Observatory	-	-	-	58	43	39	Trace	7.7

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	HUMIDITY %	
	10 h.	9 h.
	G.M.T.	G.M.T.
Total	53.4	9.9
Average Rate.	14.3	9.8
Maximum Rate.	28	9.8

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

Stations.	26 th + 27 th October, 1920.	
	Sunrise.	Noon.
	G.M.T.	G.M.T.
Yarmouth...	6.35	11.37
Greenwich...	6.41	11.44
Wick...	7.14	11.56
Valencia...	7.28	12.25

Photographic Record of

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

Exposure from 25.17.45 m.
to 26.5.45 m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	12.0	12.0	100
8 Ursae Minors	12.0	6.37	55

NOTES ON THE WEATHER OF YESTERDAY.

Weather continued rainless and sunshine records of from 6 to 9 hours were obtained almost everywhere. Temperature rose to above 60° at a few stations in the South but ground frosts occurred at night at many inland stations, notably at Manchester where the grass minimum was 23°.

* Information for these columns not usually received.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21,524

Wednesday 27th OCTOBER 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.	WIND.	WIND.	TEMP.	HUMIDITY.	VISIBILITY.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.	BAROM.	WIND.	WIND.	TEMP.	HUMIDITY.	VISIBILITY.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.	BAROM.	WIND.	WIND.	TEMP.	HUMIDITY.	VISIBILITY.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.																							
	at M.S.L.										Change in 8 hours.										Force 0-12.										Weather.	°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	mb.	Change in 8 hours.	Force 0-12.	Weather.	°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.
	mb.										mb.										mb.										mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
13H. G.M.T. 26.													18H. G.M.T. OF 26.																																								
Renfrew ...	1026.7	-4	RNE	3	b3f	52	75	3	-	-	-	1027.8	0	RNE	2	b3f	46	75	3	-	-	-	1027.8	0	RNE	2	b3f	46	75	3	-	-	-																				
Eskdalemuir ...	1029.7	0	E	2	b3	53	66	7	-	-	-	1029.8	0	SE	1	b	39	92	6	-	-	-	1029.8	0	SE	1	b	39	92	6	-	-	-																				
Valencia (Cahire's) ...	1019.8	0	SE	5	C	58	76	7	3000	St. Cu	8	-	1019.4	0	SE	3	C3	57	76	7	3000	St. Cu	3	-	1019.4	0	SE	3	C3	57	76	7	3000	St. Cu	3	-	-																
Baldonnel ...	1024.7	-1	E	3	b2f	58	65	5	-	-	-	1024.6	0	SE	4	b2f	52	75	4	-	-	-	1024.6	0	SE	4	b2f	52	75	4	-	-	-																				
Manchester (Ald. P.) ...	1028.2	-1	ESE	4	b3	57	55	4	-	-	-	1027.8	0	E	2	b3f	48	85	2	-	-	-	1027.8	0	E	2	b3f	48	85	2	-	-	-																				
Ross on Wye ...	1027.3	-1	E	4	b	52	75	6	-	-	-	1026.8	0	RNE	2	bmw	47	92	5	-	-	-	1026.8	0	RNE	2	bmw	47	92	5	-	-	-																				
Falmouth ...	1023.5	0	SE	4	0	58	65	7	-	St. Cu	9	-	1023.7	0	SE	3	C2f	56	85	4	-	Cu	7	-	1023.7	0	SE	3	C2f	56	85	4	-	Cu	7	-																	
Calshot (Hants) ...	1026.7	0	E	3	b2f	53	65	5	-	-	-	1026.4	0	-	0	b2f	51	66	5	-	-	-	1026.4	0	-	0	b2f	51	66	5	-	-	-																				
Lymington (Folkestone) ...	1027.2	+1	RNE	4	b2f	56	55	7	-	-	-	1027.1	-1	NE	3	b2f	46	92	5	-	-	-	1027.1	-1	NE	3	b2f	46	92	5	-	-	-																				
Aberdeen ...	1030.6	-1	SSE	2	b1f	53	75	7	2000	St. Cu	1	-	1029.9	0	S	1	b2f	48	92	6	2000	St. Cu	5	-	1029.9	0	S	1	b2f	48	92	6	2000	St. Cu	5	-																	
Howden ...	1030.5	0	E	3	b3	56	79	6	1250	St.	1	-	1029.9	0	-	0	38c	46	92	3	1250	St.	2	-	1029.9	0	-	0	38c	46	92	3	1250	St.	2	-																	
Cranwell (Lines) ...	1029.2	-2	E	3	b	57	65	7	-	-	-	1029.1	+1	RNE	2	b2f	48	92	5	4200	St.	1	-	1029.1	+1	RNE	2	b2f	48	92	5	4200	St.	1	-																		
Felixstowe ...	1029.2	0	RNE	3	b3	56	75	6	-	-	-	1028.6	0	RNE	3	bmw	52	85	6	-	-	-	1028.6	0	RNE	3	bmw	52	85	6	-	-	-																				
Shoeburyness ...	1028.3	+1	NE	3	b	56	75	7	-	-	-	1027.4	0	NNE	1	b	45	92	7	-	-	-	1027.4	0	NNE	1	b	45	92	7	-	-	-																				
Benson ...	1026.7	0	NE	1	b1f	59	65	4	-	-	-	1026.9	0	-	0	b	45	92	5	-	-	-	1026.9	0	-	0	b	45	92	5	-	-	-																				
S. Farnborough ...	1026.9	0	RNE	3	b2f	58	75	4	750	St.	2	-	1027.1	0	RNE	3	bcm	47	85	4	4500	St.	2	-	1027.1	0	RNE	3	bcm	47	85	4	4500	St.	2	-																	
London (Kew Obs.) ...	1027.3	-1	E	4	b3	56	65	4	-	-	-	1027.6	+1	RNE	2	b3f	51	75	3	-	-	-	1027.6	+1	RNE	2	b3f	51	75	3	-	-	-																				
Croydon ...	1027.3	-1	NE	4	b1f	58	65	6	-	-	-	1027.9	0	RNE	2	b2f	45	92	4	-	-	-	1027.9	0	RNE	2	b2f	45	92	4	-	-	-																				
1H. G.M.T. OF 27.													7H. G.M.T. OF 27.																																								
Renfrew ...	1029.4	-1	R	1	b3	56	92	7	-	-	-	1028.0	0	-	0	07fe	33	97	0	4500	St	10	-	1028.0	0	-	0	07fe	33	97	0	4500	St	10	-																		
Eskdalemuir ...	1029.5	0	SE	4	bcm	56	85	3	-	-	-	1028.9	0	-	0	b2	29	85	7	2000	St	3	-	1028.9	0	-	0	b2	29	85	7	2000	St	3	-																		
Valencia (Cahire's) ...	1028.1	0	SW	3	b3f	51	85	3	4200	St. Cu	3	-	1028.2	0	-	0	b2f	47	85	3	750	St	4	-	1028.2	0	-	0	b2f	47	85	3	750	St	4	-																	
Baldonnel ...	1028.1	0	SW	3	b3f	51	85	3	4200	St. Cu	3	-	1028.2	0	-	0	b2f	47	85	3	750	St	4	-	1028.2	0	-	0	b2f	47	85	3	750	St	4	-																	
Manchester (Ald. P.) ...	1028.2	0	SE	3	b3f	51	85	3	4200	St. Cu	3	-	1028.4	0	ESE	1	b2f	32	97	2	-	-	-	1028.4	0	ESE	1	b2f	32	97	2	-	-	-																			
Ross on Wye ...	1028.2	0	SE	3	b3f	51	85	3	4200	St. Cu	3	-	1028.5	0	-	0	05fe	35	97	1	4500	St	10	-	1028.5	0	-	0	05fe	35	97	1	4500	St	10	-																	
Falmouth ...	1024.2	0	ESE	3	C1fe	54	92	6	4200	St. Cu	8	-	1023.5	-1	ESE	3	b3fe	51	85	6	-	Cu	1	-	1023.5	-1	ESE	3	b3fe	51	85	6	-	Cu	1	-																	
Calshot (Hants) ...	1026.5	0	E	3	2f	47	85	5	-	-	-	1026.2	0	NNE	3	b2f	40	97	4	-	-	-	1026.2	0	NNE	3	b2f	40	97	4	-	-	-																				
Lymington (Folkestone) ...	1027.2	0	NE	3	bmw	44	85	5	-	-	-	1027.0	-1	NE	2	bmex	41	97	4	-	-	-	1027.0	-1	NE	2	bmex	41	97	4	-	-	-																				
Aberdeen ...	1030.2	0	-	0	06fe	32	97	1	4500	St	10	-	1027.6	-2	S	2	02f	47	92	5	1250	St	9	-	1027.6	-2	S	2	02f	47	92	5	1250	St	9	-																	
Howden ...	1029.9	0	NNE	1	05fe	37	97	1	4500	St	10	-	1029.0	0	-	0	02fe	41	97	4	2000	St	9	-	1029.0	0	-	0	02fe	41	97	4	2000	St	9	-																	
Cranwell (Lines) ...	1029.9	0	NNE	1	05fe	37	97	1	4500	St	10	-	1029.0	0	NNE	1	05fe	36	97	1	4500	St	10	-	1029.0	0	NNE	1	05fe	36	97	1	4500	St	10	-																	
Felixstowe ...	1029.0	0	E	3	b	51	85	8	-	-	-	1028.2	0	NNE	2	b2f	40	97	4	-	-	-	1028.2	0	NNE	2	b2f	40	97	4	-	-	-																				
Shoeburyness ...	1028.0	0	-	0	-	-	-	-	-	-	-	1027.3	-1	-	0	b2fex	35	92	0	-	-	-	1027.3	-1	-	0	b2fex	35	92	0	-	-	-																				
Benson ...	1026.8	0	-	0	-	-	-	-	-	-	-	1026.8	+1	-	0	b2fe	33	97	1	-	-	-	1026.8	+1	-	0	b2fe	33	97	1	-	-	-																				
S. Farnborough ...	1027.9	0	-	0	-	-	-	-	-	-	-	1027.1	0	NE	2	05f	38	97	1	750	St	10	-	1027.1	0	NE	2	05f	38	97	1	750	St	10	-																		
London (M.O. at 1H.) ...	1027.9	0	-	0	-	-	-	-	-	-	-	1027.5	0	-	0	07fe	38	97	0	4500	St	10	-	1027.5	0	-	0	07fe	38	97	0	4500	St	10	-																		
Croydon ...	1028.4	0	-	0	06fe	35	97	0	4500	St	10	-	1028.0	-1	-	0	06fe	31	97	1	4500	St	10	-	1028.0	-1	-	0	06fe	31	97	1	4500	St	10	-																	
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																																																					
STATIONS.	BAROM.	TEMP.	WIND.	WIND.	WEATHER.	BAROMETER.	TEMP.	CHANGE in 24 hours.	WIND.	WIND.	WEATHER.	Sea.	RAINFALL mm.	TEMP.	TEMP.	MORNING.	AFTERNOON.	NIGHT.	SUNSHINE Hours.																																		
	at M.S.L.					Change in 8 hours.														Temp. °F.	Force 0-12.	Upper Cloud.	Weather.	Max. °F.	Min. °F.																												
	mb.					mb.														°F.	Force 0-12.	0-9.	0-9.	°F.	°F.																												
18H. G.M.T. OF 26.													7H. G.M.T. OF 27.											24 HOURS ENDED 7H. 27.			26.																										
Lerwick ...	1028.4	51	SSE	3	C	1025.1	-2	50	+2	SSW	2	SW	bce	1	-	51	48	bcm	C	bcw	-	-																															
Stornoway ...	1024.9	47	SSE	1	b3	1023.8	0	50	+6	S	1	-	oz	1	-	57	39	b3	b3	oz	7.4	-																															

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 27.10.1920.

Districts	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Fine on coast; fog inland.	V. Poor	Slight
2. E. England	Mainly fine on coast;	"	Smooth
3. E. Midlands	Foggy. (local fog.	Bad	"
4. W. Midlands	Foggy.	"	"
5. S.W. England	Fine or fair, misty.	Fair	Mod.
6. South Wales	Cloudy, some mist or fog.	Poor	Slight
7. North Wales	Variable sky, some mist.	Fair	Smooth
8. N.W. England	Mainly fine, local mist or fog.	Poor	Slight
9. N. Midlands	Variable sky, local mist or fog.	"	"
10. N.E. England	Fair to dull, misty. (fog.	Indiff.	Smooth
11. E. Scotland	Fair to dull, local mist or fog.	Poor	"
12. S.W. Scotland	Variable sky, local fog.	Var.	"
13. Isle of Man	Fine, misty.	Fair	Mod.
14. N. & N.W. Scotland	Variable sky, local mist or fog.	Poor	Smooth
15. Hebrides	Dull, misty. (fog.	Indiff.	Mod.
16. Orkneys and Shetlands	Fair.	"	Smooth
17. N.W. Ireland	Fair.	Fair	"
18. N.E. Ireland	Fine, misty.	Indiff.	Slight
19. S.E. Ireland	Fair to dull, misty.	Poor	Smooth
20. S.W. Ireland	Cloudy or dull, hazy.	Fair	Mod.

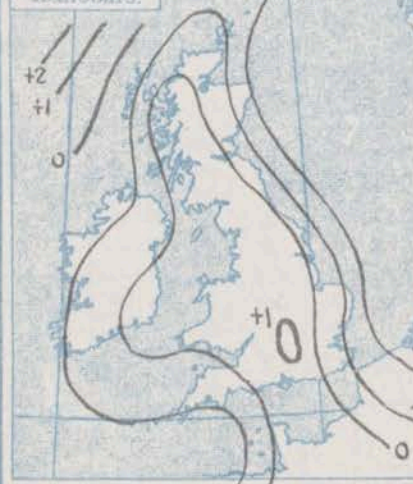
Temperature reported from Coastal and Cross Channel Steamers.

Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
4A	26 th	0630	54	47
8	27 th	0517	57	52

CHART OF POSITION NUMBERS and Upper Cloud



Isallobars.



Barometric change from 4 h. to 7 h. (half millibars).

Lower Cloud.



EXPLANATION.

BAROMETER.—Isobars are drawn at intervals of two millibars. 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 feet per hour by figures in small circles. TEMPERATURE.—Temperature is given in degrees F. WEATHER SYMBOLS.—sky; clear sky. sky; cloudy. sky; overcast sky. snow. fog. T thunder. SEA DISTURBANCE.—Rough. High. Further Outlook.

GENERAL INFERENCE from observations received up to 9h.

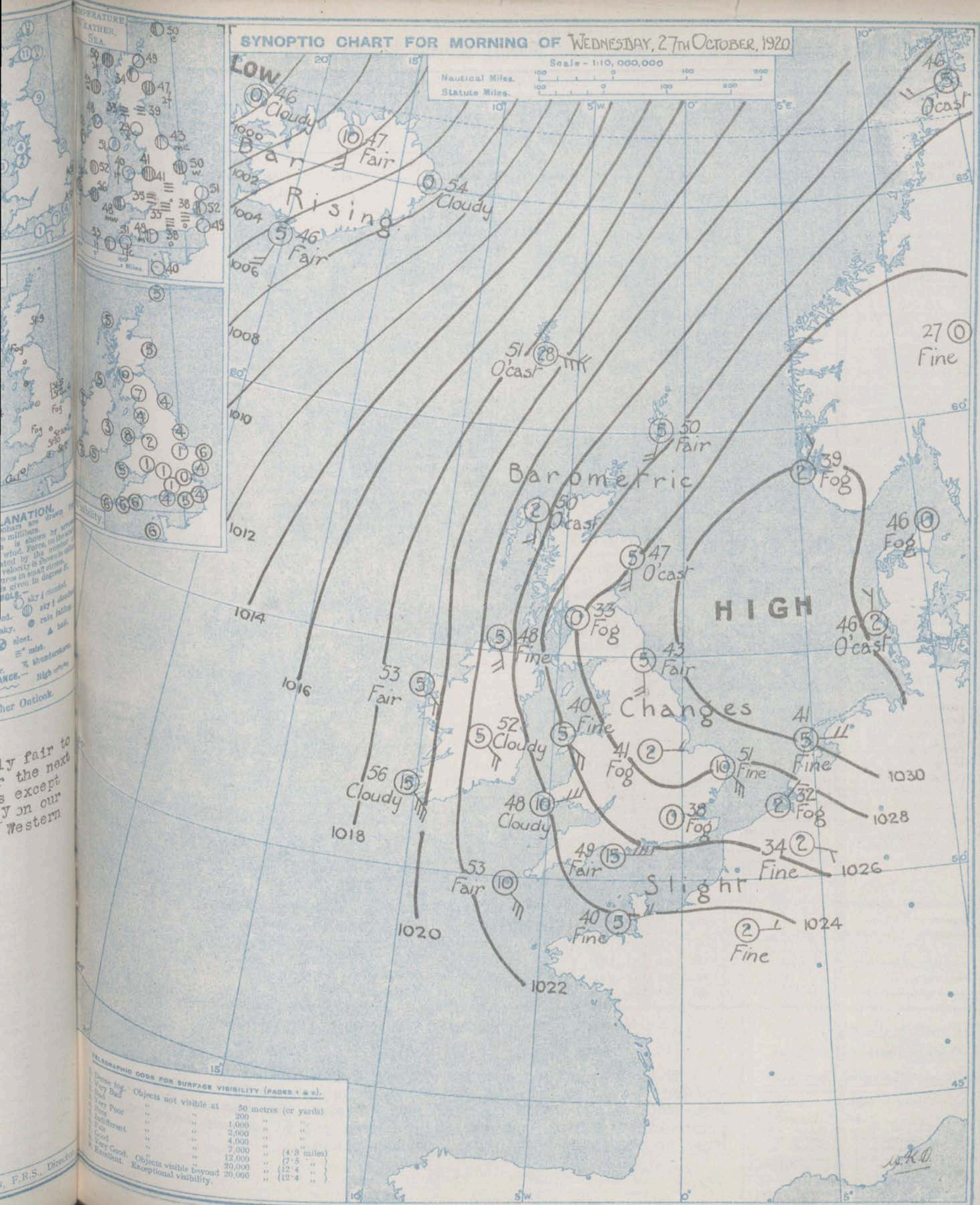
The British Isles will be affected during the next day or two by an anticyclone centred over the North Sea, and the weather will be fair to fine generally with mist or fog at night inland.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 27th October, 1920.
1. S.E. England	Wind Easterly, light to moderate; fine, mist or fog at night inland; little change of 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	
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	Light to moderate S. or S.E. breezes; fair to fine, mist or fog at night inland; little change of temperature.
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Mainly fair to fine for the next few days except possibly on our extreme Western Coasts.

SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 27th OCTOBER, 1920

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



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 301.

Wednesday

27th OctoberWEATHER, 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-9h. 25-26	Day. 9h-17h. 26	to 17h. 26	Sunrise to Sun- set. 25		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 25-26	Day. 9h-17h. 26	to 17h. 26	Sunrise to Sun- set. 25
England, S.W.	Oban	b	60	43	-	-	7.0	7.1	England, N.W.	Douglas (I.O.M.)						7.0	8.8
	Banff	b	54	38	-	-	5.7	8.6		Blackpool	b	55	40	-	-	7.3	8.0
	Montrose	c	53	39	-	-	5.6	2.2		Southport	b.b.c	57	38	-	-	7.7	?
	St. Andrews									Morecambe		58	44	-	-		
England, N.E.	Harrogate	0.03	54	40	-	-	4.3	4.6	Midlands.	Buxton						5.2	6.8
	Scarborough	b	58	30	-	-	7.3	4.0		Leamington Spa	c.b	55	38	-	-	4.4	6.2
	Skegness	b	56	50	-	-	8.7	9.1		Malvern	m	55	41	-	-	5.7	7.9
England, E.	Lowestoft	b	54	49	-	-	8.2	8.7		Bath	m.b	54	38	-	-	7.2	7.7
	Felixstowe	b	55	52	-	-	8.9	9.1		Rhyl	b	56	41	-	-	7.8	7.9
	Southend-on-Sea	b.m.b	56	41	0.1	-	8.3	8.4	Wales.	Colwyn Bay		54	39	-	-	8.3	8.2
										Llandudno	b	56	42	-	-	9.0	8.6
										Aberystwyth	c.b	57	43	-	-		
	Tunbridge Wells	b	60	39	-	-	8.5	6.8		Tenby						8.3	8.5
	Margate	b	56	48	-	-	8.3	8.6		Swansea		60	44	-	-	8.3	8.1
	Ramsgate		56	48	-	-	8.5	8.8		Weymouth	b	61	44	-	-	5.3	8.0
	Folkestone	b	58	47	-	-	8.2	8.4		Teignmouth	b	57	53	-	-	8.0	8.6
	Hastings	b	59	43	-	-	9.4	9.2		Torquay	b.c.m.b.c	61	52	-	-	6.5	7.6
	Eastbourne	b	58	40	-	-	8.8	9.2		Paignton	b.c	60	51	-	-	7.7	8.8
	Brighton	b	62	43	-	-	9.0	9.0		Penzance	b.c.b	60	51	-	-	7.5	8.8
	Worthing	b	59	42	-	-	9.3	9.3		Newquay	b	58	48	-	-	8.8	9.0
	Littlehampton	b	61	46	-	-	9.0	9.0		Bude	b.3.b	60	43	-	-	8.4	8.6
	Portsmouth (S. Isaac)		60	43	-	-	9.0	8.6		Ilfracombe	b	59	40	-	-	6.3	7.2
	Bournemouth		58	41	-	-	9.1	8.3		Weston-s-Mare	b.c.b	54	38	-	-		
	Ventnor (I. of W.)		59	49	-	-	9.2	8.8									

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	RAINFALL.		Sun. Hours.
	7h-18h 26.	18h-18h 26.	18h 26-1h 27.	1h-7h 27.				Day. 7h-18h.	Night. 18h-7h.	
Renfrew ...	b.c.b.f	b3f	b.c.2f.e	3f.c.b.c.f	54	30	2.2	mm.	mm.	3.8
Eskdalemuir ...	b3	b3	b.f.b.c	b.c	56	28	2.0	0.1	-	8.9
Valencia (Cahira) ...	b.c.c	c.o	c.o.c	b.c.c	58	53	5.2	-	-	0.0
Baldonnel ...	b.b.c.f	b.c.f	b.c.c.3f	b.b.c.3f	58	46	3.5	-	-	8.5
MANCHESTER (Alex. P.) ...	b3	b2f	b2f.2f	b2f.e	58	32	1.9	-	Trace	+
Ross on Wye... ..	b.c.b.f	b	b.c.w.2f	1-5f.w	53	31	3.1	-	-	5.4
Falmouth	b.b.c.f	c.o.c.o.f	b.c.1f.e	b.b.c.1f.e	60	50	3.9	-	-	5.5
Calshot (Hants)... ..	b2f	b.f.b2f	2f.	2f.w	59	40	3.4	-	-	9.1
Lymington (Folkestone) ...	b2f.b.c.f	b.c.b.c.2f	b.b.c.b2f.w	b.c.w.2f	56	38	2.9	-	-	9.4
Aberdeen	2.f.e.f	f.f.e	1f.e.2f.e	2f.e.2f	53	39	4.0	-	-	6.2
Howden	b.b.c	I.c.f.e	I.c.f.e	0.1f	57	33	2.9	-	-	4.1
Cranwell (Lincol.)	a.f.b.b.c	b.b.c	2f.e.2f.e	2f.e	57	33	2.7	-	0.2	6.8
Felixstowe	3.b.b.c	b.b.c.f	b.f	b.b.c.1f	56	39	2	-	-	8.7
Shoeburyness	b.b.c	b.b.c.w	b.b.c.2f.e	3f.e.2f.e	57	35	2.9	-	-	8.8
Benson	b	b	b	b.3f.e	59	31	2.8	-	0.1	+
S. Farnborough	a.f.b.b.c	2.f.b.c.2f.e	2f.3f	3f.o.2f	58	35	3.0	-	Trace	5.9
London (Kew Obs.)	a.f.b.c	3.f	b.c.f.2f.e	w.c.2f.e	57	34	2.9	-	Trace	3.9
Croydon	b2f.2f.f	b.f.b.c.2f.e	b.f.2f.2f	c.2f.e	58	31	2	-	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.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 0.8
1	1-3	0.8-1.5
2	4-7	1.5-2.5
3	8-12	2.5-4.4
4	13-18	4.4-7.9
5	19-24	7.9-10.7
6	25-31	10.7-14.1
7	32-38	14.1-17.7
8	39-46	17.7-20.7
9	47-54	20.7-24.4
10	55-63	24.4-28.4
11	64-75	28.4-32.4
12	Above 75	32.4 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 TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.											
	Morning.	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.		Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.								
	24 HOURS ENDED 24 H. G.M.T. 27.....								YESTERDAY.		TO-DAY.	27 & 28 OCT..... 1898.											
Greenwich (Royal Observatory)	b	b.b.f.	f.w.	58	33	25	-	6.7	62	98	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Yarmouth...	6.41	11.37	4.33								
City (Bunhill Row)	"	"	"	"	"	"	"	4.9	"	"						Greenwich {	6.43	11.37	4.31				
Westminster (St. James's Park)	"	"	"	"	"	"	"	5.0	"	"										Wick, ...	6.46	11.44	4.28
											Valencia ...													6.48	11.56	4.25
Camden Sq. (British Rainfall)	f.b.b.m	b.b.c	"	60	36	29	-	"	61	100		Total 429..... Joules.	Wick, ...	7.17	11.56												4.32
Kensington Palace	b	b	"	58	35	34	0.3	"	81 (18h)	96		Average Rate. 11.9				Wick, ...	7.20	12.25	4.20				
Hampstead Observatory ...	"	"	"	56	39	35	0.3	6.3	"	95		Maximum Rate. 27								Wick, ...	7.28	12.28	4.20

NOTES ON THE WEATHER OF YESTERDAY.

The temperature reached 60° at a few places in England and Scotland but fell to 28° at Eskdale and to 31° at Ross-on-Wye, Benson and Croydon, during the night. The weather was fine generally and 8 or 9 hours of sunshine was of common occurrence. Mist or fog formed at night in most places.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21525

THURSDAY, 28TH OCTOBER, 1920.

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

STATIONS.	BAROM.	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.	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.			
	at M.S.L. mb.											at M.S.L. mb.													
	12H. G.M.T. 27 TH																								
Renfrew ...	1028.1	-3	-	0	baf	41	97	2	-	-	-	1024.3	-1	NNE	2	7/8	37	97	0	4500	St.	10	-	-	-
Eskdalemuir ...	1028.8	-2	S	1	by	55	45	7	-	-	-	1025.0	-1	N	1	6	38	75	6	-	-	-	-	-	-
Valencia (Cahire's) ...	1029.3	-2	SE	6	03	60	75	7	2000	St.	7	1019.7	-1	SE	4	03	57	85	7	2000	St.	6	A.Cu	2	4
Baldonnel ...	1023.0	-3	SE	2	baf	60	55	5	-	-	-	1021.7	-3	-	0	62	44	85	4	-	-	-	-	-	
Manchester (Macc. Pk.) ...	1026.3	-3	SE	1	62f	54	66	4	-	-	-	1024.7	-1	ENE	3	63	45	85	3	-	-	-	-	-	
Ross on Wye ...	1026.4	-2	E	2	03	44	97	3	4500	St.	10	1024.6	-2	NE	2	03f	44	97	2	4500	St.	10	-	-	-
Falmouth ...	1022.4	-2	ENE	4	cife	57	85	6	-	-	-	1020.5	-2	E	3	6	54	75	8	-	-	-	-	-	
Calshot (Hants) ...	1025.1	-3	E	4	bif	56	92	6	-	-	-	1023.0	-1	NE	3	62f	50	85	4	-	-	-	-	2	
Lymington (Folkestone) ...	1025.5	-2	E	3	63	55	65	6	-	-	-	1024.0	-2	ENE	3	62f	43	85	5	-	-	A.E.	1	-	
Aberdeen ...	1024.9	-2	S	2	bif	49	85	6	1250	St.	3	1024.6	-1	SEW	1	63	46	97	3	-	-	-	-	2	
Howden ...	1027.9	-2	-	0	b3	51	86	6	3000	St.	3	1025.6	-1	SE	1	62	40	97	4	2000	St.	2	A.Cu	2	-
Cranwell (Lincoln) ...	1027.2	-3	ENE	2	6	55	75	5	5700	St.	4	1026.7	-2	ENE	1	62f	48	92	5	3000	St.	1	-	-	-
Felixstowe ...	1026.8	-2	E	3	bif	56	75	6	-	-	-	1025.2	-1	ENE	3	6	53	85	6	-	-	-	-	3	
Shoeburyness ...	1026.3	-2	ENE	3	6	56	75	6	-	-	-	1024.2	-2	-	0	6	44	85	7	-	-	-	-	-	
Benson ...	1025.4	-2	-	0	5fe	42	97	1	-	-	-	1024.2	-2	NNE	1	5fe	42	97	1	-	-	-	-	-	
S. Farnborough ...	1025.9	-2	-	0	bcm	48	92	3	4500	St.	5	1023.7	-1	E	1	63f	41	97	2	4500	St.	3	-	-	-
London (Kew Obs.) ...	1025.9	-3	-	0	07f	41	97	0	4500	St.	10	1023.7	-2	NE	2	bafw	48	85	2	-	-	-	-	-	
Croydon ...	1026.0	-2	ENE	3	63f	54	75	3	-	-	-	1024.3	-1	-	0	bafw	42	92	4	-	-	-	-	-	
1H. G.M.T. OF 28 TH																									
Renfrew ...	1023.9	-2	-	0	baf	29	85	6	-	-	-	1021.2	-1	E	1	07f	33	97	0	4500	St.	10	-	-	-
Eskdalemuir ...	1016.9	-2	SE	4	bc	55	-	-	-	-	-	1022.0	-1	N	1	6	30	85	6	-	-	-	-	-	
Valencia (Cahire's) ...	1016.9	-2	SE	4	bc	55	-	-	-	-	-	1015.2	0	SE	3	02f	54	92	5	2000	St.	5	A.Sr	2	3
Baldonnel ...	1020.6	-2	SE	1	63f	32	92	3	-	-	-	1018.5	-1	-	0	05f	29	97	0	4500	St.	6	A.Sr	1	-
Manchester (Macc. Pk.) ...	1024.2	-2	-	-	-	-	-	-	-	-	-	1021.4	-3	ENE	3	62f	42	97	3	2000	St.	6	-	-	-
Ross on Wye ...	1019.2	-2	ENE	4	bc	55	75	7	-	St.	4	1020.9	-1	ENE	3	05f	40	97	1	4500	St.	10	-	-	-
Falmouth ...	1020.7	-3	E	3	baf	46	85	4	-	-	-	1016.5	-1	ENE	4	6	52	75	7	-	-	St.	3	-	-
Calshot (Hants) ...	1022.3	-3	E	4	baf	46	85	4	-	-	-	1019.3	-1	ENE	3	62f	43	92	4	-	-	-	-	3	
Lymington (Folkestone) ...	1022.3	-3	ENE	4	bwm	43	85	4	-	-	-	1021.0	-2	E	4	bwm	42	92	4	-	-	-	-	-	
Aberdeen ...	1024.2	-1	-	-	-	-	-	-	-	-	-	1021.1	-1	SSW	2	62f	42	92	4	-	-	-	-	2	
Howden ...	1024.2	-1	-	0	05f	35	97	0	4500	St.	10	1023.9	-1	-	0	07f	36	97	0	4500	St.	10	-	-	-
Cranwell (Lincoln) ...	1024.0	-1	ENE	1	05f	38	97	1	4500	St.	10	1023.2	0	E	1	07f	38	97	0	4500	St.	10	-	-	-
Felixstowe ...	1023.2	-2	ENE	3	bif	52	92	6	-	-	-	1022.2	0	ENE	3	62f	50	92	5	3000	St.	3	C.Sr	1	2
Shoeburyness ...	1021.3	-1	-	-	-	-	-	-	-	-	-	1021.3	-1	-	0	6	45	85	6	-	-	-	-	-	
Benson ...	1020.4	-1	-	-	-	-	-	-	-	-	-	1020.4	-1	-	0	5fe	31	97	1	-	-	-	-	-	
S. Farnborough ...	1020.7	-2	ENE	1	05f	37	97	1	750	St.	10	1020.6	-2	ENE	1	05f	37	97	1	750	St.	10	-	-	-
London (Kew Obs.) at 1m ...	1021.9	-2	-	-	-	-	-	-	-	-	-	1020.7	0	ENE	1	05f	33	97	0	4500	St.	10	-	-	-
Croydon ...	1022.1	-2	E	2	bafw	40	87	4	-	-	-	1021.6	-1	E	1	62f	33	97	4	-	-	-	-	-	

STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

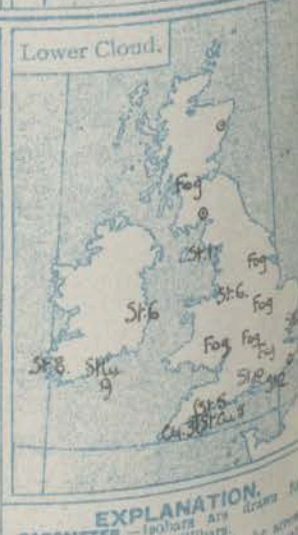
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.
			Direc.	Force 0-12.		at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
18h. G.M.T. of 27 th						19h. G.M.T. of 28 th						24 HOURS ENDED 7h. 28 th						27 th			
Lerwick	1023.0	50	S	2	c	1019.3	-3	50	0	S	4	s	bcmq	2	-	54	48	tc	tc	c	"
Stornoway	1019.7	52	S	3	bcz	1015.6	0	50	0	S	5	-	oz	4	-	55	47	c	c.bcz	bc.oz	2.6
Castell Bay (Barrels)	1020.1	54	SSE	5	om	1016.3	0	52	-1	SSE	6	s	c	6	-	54	52	om	om	obcm	0.8
Malin Head	1019.9	52	SE	2	bcz	1015.4	-1	48	0	SSE	2	s	bcz	2	-	58	46	bcz	c3	bz.bcz	5.9
Blackhead Point	1016.7	58	S	3	bc	1012.1	-2	54	+1	S	2	-	om	2	trace	58	56	bc	bc	bc.om	"
Roche's Point	1020.7	55	SE	4	o	1018.3	-1	53	-3	S	3	-	o	3	-	58	53	o.bco3	o3	bco	"
Birr Castle	1020.1	53	SE	1	c	1017.1	"	43	-9	S	1	-	c	"	-	58	43	c	c	ofc	4.3
Donaghadee	1021.8	53	N	1	bm	1018.9	-1	50	-1	SSE	3	-	bmn	3	0.1	55	49	bm	bm	bm	"
Liverpool (Maiden)	1023.6	44	SE	4	m	1020.5	-2	43	+2	SE	2	-	f	2	-	46	41	o.bcm	cm	bmf	1.2
Holyhead	1022.4	49	S	1	bm	1018.5	-1	39	-1	SSE	2	-	bf	0	trace	53	37	b3	b3	bmx	8.7
Pembroke (St. Mary's)	1022.0	51	ESE	3	bm	1018.2	-2	49	0	ESE	3	-	bcmw	3	-	52	46	bm	bm	bm	5.2
Seilly (St. Mary's)	1020.4	53	ESE	2	b	1015.8	-1	51	-2	ESE	2	-	b	4	-	55	51	bc.bm	bm	bme.cb	8.0
Jersey (St. Aubin)	1019.6	55	ESE	4	b	1016.4	0	46	+6	ENE	2	-	b	2	-	59	40	b	b	bw	9.3
Portland Bill	1021.8	55	E	6	bc	1017.6	-4	49	-1	ENE	5	NE	bcm	6	-	57	46	bcm	bc	bm.bcm	"
Dunegness	1022.6	53	ENE	4	b	1020.1	-2	49	-1	E	3	-	b	3	-	56	47	b	b	b	"
Wick	1021.3	50	SSW	2	bm	1017.0	-2	48	-1	S	3	-	bm	3	-	53	46	b	bm	bm	"
Nairn	1021.5	39	-	0	bc	1017.6	"	34	0	-	0	-	bcm	0	-	50	31	bc	bcm	bc.b	8.6
Leith	1023.9	44	SSE	1	m	1020.7	-1	36	-3	SSW	1	-	f	1	-	45	36	fc	omo	mfc	"
Tynemouth	1026.6	48	SSW	2	bme	1022.6	0	46	+2	SSW	3	-	om	2	trace	51	43	bm	bm	bfe.cm	"
Spurn Head	1026.3	52	ESE	3	b	1022.9	-1	49	-1	SE	4	-	bc	3	0.1	55	45	bc	bc	bc	"
Yarmouth (New London)	1026.4	51	ESE	3	b	1022.5	-1	50	-1	SE	3	-	c	3	-	55	48	b	b	bc.bbc	8.7
Clacton-on-Sea	1024.4	52	E	2	b	1021.5	-1	50	-2	SSE	3	-	bcm	2	-	57	50	bcm.b3	b3	bz.cm	8.1
Nottingham	1025.5	44	-	0	fe	1022.3	"	41	0	NE	2	-	fe	4	0.3	46	31	fe	fe	fe	0.0

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 28.10.1920

Temperature reported from Coastal and
Cross Channel Steamers.CHART OF
POSITION
NUMBERS
and
Upper
Cloud

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Fine on coast; some fog inland.	V. Poor	Slight
2. E. England	Variable sky, inland fog.	Var.	"
3. E. Midlands	Foggy.	Bad	-
4. W. Midlands	Foggy.	"	-
5. S.W. England	Variable sky, local mist.	Fair	Mod.
6. South Wales	Fair or cloudy, local mist (or fog).	Poor	Slight
7. North Wales	Variable sky, local fog.	Var.	Smooth
8. N.W. England	Fine or fair, some mist or fog.	V. Poor	Slight
9. N. Midlands	Foggy.	Bad	-
10. N.E. England	Fair to overcast, inland fog.	Var.	Slight
11. E. Scotland	Fine or fair, some mist or fog.	V. Poor	Smooth
12. S.W. Scotland	Variable sky, local fog.	Poor	Slight
13. Isle of Man	Fine, misty.	Fair	Mod.
14. N. & N.W. Scotland	Fine to cloudy, misty.	Poor	"
15. Hebrides	Cloudy or dull, local mist.	Indiff.	R. Rough
16. Orkneys and Shetlands	Fine or fair, misty.	"	Slight
17. N.W. Ireland	Fair to dull, misty.	"	Smooth
18. N.E. Ireland	Fine or fair, misty.	"	Slight
19. S.E. Ireland	Cloudy or dull, local fog.	Poor	"
20. S.W. Ireland	Dull, light rain locally.	Indiff.	"

Position Number.	Date	Time G.M.T.	Sea ° F.	Air ° F.
4A	27 th	0630	53	51
6	27 th	1518	54	57



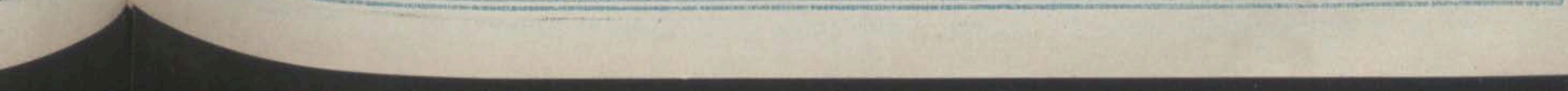
GENERAL INFERENCE from observations received up to 9h.

No important change is taking place in the general distribution of pressure, which remains favourable for continued fair weather over the British Isles with moderate winds from between South and East.

EXPLANATION.
BAROMETER.—Isobars are drawn for intervals of two millibars.
WIND.—Direction is shown by arrows lying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE.—Temperature is given in degrees F.
WEATHER SYMBOLS.—
 ○ clear sky.
 ○ sky & clouded.
 ○ overcast sky.
 * snow.
 ≡ fog.
 T thunder.
SEA DISTURBANCE.—
 Rough.
 High.
 Further Outlook.

Districts.	Forecasts for the 24 hours commencing 15h.G.M.T. Thursday, 28th October, 1920.
1. S.E. England	Moderate wind from between E. and S.E.; fair to fine, mist inland at night; little change of 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	Moderate Southerly wind; fair to fine, mist inland at night; little change of temperature.
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Same as 1 - 9.
14. N. & N.W. Scotland	Same as 10 - 12.
15. Hebrides	Moderate to fresh S. or S.W. wind; fair to dull, visibility good; mild.
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	Moderate to fresh Southerly wind; fair to dull, visibility good; mild.
19. S.E. Ireland	
20. S.W. Ireland	
	Same as 17.

Continuing fair for several days over the British Isles except in the extreme West.



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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 392

Thursday
28th October

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. 12h-3h.	Day. 3h-12h.	Surf. to Sun. 27th.	Forenoon.		Afternoon.	Max. F.	Min. F.	Night. 12h-3h.	Day. 3h-12h.	Surf. to Sun. 27th.		
Scotland.	Oban	b	58	41	-	-	6.8	England, N.W.	Douglas (I.O.M.)	-	-	53	34	-	-	6.9	
Banff	b	b	55	39	-	-	8.3		Blackpool	b	-	53	34	-	-	7.0	
Montrose	c bc	bc f	32	37	-	-	6.7		Southport	b	3	53	36	-	-	6.2	
St. Andrews	om	om	45	34	-	-	0.1		MORECAMBE	-	-	56	36	-	-	-	
England, N.E.	Harrogate	c bc	53	44	-	-	5.3	Midlands.	Buxton	-	-	-	-	-	-	0.0	
Scarborough	b	b	58	48	-	-	6.7		Leamington Spa...	-	-	-	-	-	-	1.9	
Shegness	m. b	b	56	42	-	-	8.4		Malvern	m	m	45	37	-	-	9.0	
Lowestoft	b	b	55	48	-	-	8.0		Bath	m	m. b	48	35	-	-	8.1	
England, E.	Felixstowe	bm	60	42	-	-	8.8	Wales.	Rhyl	b	b	54	40	-	-	8.0	
Southend-on-Sea...	w.m. b	b	57	39	-	-	7.7		Colwyn Bay	-	-	55	37	-	-	8.0	
Tunbridge Wells	b	b	57	39	-	-	8.0		Llandudno	b	b	59	41	-	-	8.7	
Margate	b	b	56	46	-	-	7.1		Aberystwyth	c. b	bc. c	58	44	-	-	7.6	
England, S.E.	Ramsgate	-	55	46	-	-	8.5	England, S.W.	Tenby	-	-	-	-	-	-	7.2	
	Folkestone	b	b	57	46	-	-		8.3	Swansea	-	-	56	41	-	-	4.1
	Hastings	b	b	57	43	-	-		7.0	Weymouth	3. b	b	59	42	-	-	4.4
	Eastbourne	b	b	57	36	-	-		8.5	Teignmouth	f m. o. c	bc	56	47	-	-	3.3
	Brighton	b	b	59	41	-	-		8.3	Torquay	o	b	58	49	-	-	7.0
	Worthing	b	b	57	41	-	-		8.8	Paignton	om. c. bc	bc. b	62	48	-	-	7.6
	Littlehampton	b	bm	61	46	-	-		8.7	Penzance	bc b	b. bc	60	51	-	-	7.3
	Portsmouth (S'bea)	-	-	58	41	-	-		8.4	Newquay	b	b	56	45	-	-	8.2
	Bournemouth	-	-	66	36	-	-		7.2	Bude	3. b	b	58	37	-	-	3.5
	Ventnor (I. of W.)	-	-	57	49	-	-		8.9	Ilfracombe	b	b	57	40	-	-	-
								Weston-s-Mare	m. bc	bm	52	36	-	-	-		

SUMMARIES FOR PART 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sun.	
	7h-12h.	12h-18h.	Max. F.	Min. F.	Day. 7h-12h.	Night. 12h-18h.	Hours.	Hours.
Renfrew ...	b c f	c f e	42	33	0.7	Trace	0.7	0.7
Eskdalemuir ...	b	b	56	26	0.2	Trace	0.2	0.2
Valencia (Cahire's)	c o	c o f	60	54	-	1	0.9	0.9
Baldonnel ...	b bc f	b c f	61	29	-	-	7.5	7.5
Manchester (Alex. Pk.)	b c f	b c f	58	28	-	Trace	-	-
Ross on Wye ...	c f e	c f e	48	35	0.1	Trace	0.1	0.1
Falmouth ...	b c f	b c f	58	49	-	-	6.3	6.3
Calshot (Hants) ...	b f	b f	56	40	-	-	8.3	8.3
Lymington (Folkestone)	b c f	b c f	55	40	-	-	9.3	9.3
Aberdeen ...	b bc f	2 f e	52	42	-	-	5.2	5.2
Howden ...	2 f e	2 f e	54	33	-	-	5.7	5.7
Cranwell (Lincoln) ...	c f e	c f e	55	35	-	0.4	5.6	5.6
Felixstowe ...	2 f	2 f	58	40	-	-	8.5	8.5
Shoeburyness ...	b	b	57	35	Trace	Trace	8.3	8.3
Benson ...	0.4 f	0.4 f	44	30	-	0.1	-	-
S. Farnborough ...	0.4 f	0.4 f	53	31	-	Trace	2.2	2.2
London (Kew Obs.)	0.4 f	0.4 f	49	32	Trace	Trace	0.0	0.0
Croydon ...	0.4 f	0.4 f	55	32	Trace	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.

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	0.3-0.9
2	4-7	0.9-2.4
3	8-12	2.4-3.7
4	13-18	3.7-5.1
5	19-24	5.1-6.7
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 76	20.8 or above

SYMBOLS.

Aurore ☽ Solar halo ☼
Rime ☽ Lunar halo ☼
Glazed frost ☽ Solar corona ☼
Glazed roads ☽ Lunar corona ☼

LONDON OBSERVATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sun.		Humidity %	
	Morning.	Afternoon.	Max. F.	Min. F.	Day. 7h-12h.	Night. 12h-18h.	Hours.	Hours.	15 h. G.M.T.	9 h. G.M.T.
24 HOURS ENDED 9H G.M.T. 28th										
Greenwich (Royal Observatory)	b f bm	bm f	56	33	28	-	5.9	6.9	95	95
City (Bunhill Row)	-	-	-	-	-	-	1.4	-	-	-
Westminster (St. James's Park)	-	-	57	40	34	-	0.4	68	87	87
Camden Sq. (British Rainfall)	bm b	b bc	55	35	28	0.3	-	73	98	98
Kensington Palace	o f b	b	55	36	29	-	-	94 (18h)	96	96
Hampstead Observatory	-	-	54	40	36	Trace	7.9	-	89	89

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday	
Total	295
Average Rate	9.0
Maximum Rate	18

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

1920.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	6.43	11.27	4.31
Greenwich	6.48	11.44	4.24
Wick	7.20	11.56	4.25
Valencia ...	7.31	12.25	5.14

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

Exposure from 17h 17m 45s to 19h 5m 45s			
Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	12 0	11 39	97
8 Ursae Minoris	12 0	10 42	89

NOTES ON THE WEATHER OF YESTERDAY.

There was little or no rain in any part of the United Kingdom. The temperature again slightly exceeded 60° at a few English Stations during the day, and fell below the freezing point locally at night. At Eskdale the minimum was as low as 26°. There were many good records of bright sunshine, amounting in some cases to 8 or 9 hours.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. B2526 Friday 29th OCTOBER 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 15H AND 19H.

STATIONS	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		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.		TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.	Upper Cloud.	Sea	
			Force	Dir.										Force	Dir.								
			0-12.											0-10.									
13H. G.M.T. 25 th																							
Renfrew	1020.3	-2	0		42	37	97	2	4500	St	10		1020.5	+1	0		42	31	97	1	4500	St	10
Esksdalemuir	1019.5	-1	S	3	54	51	55	6					1021.0	0	N	2	53	38	85	5			
Valencia (Cahire's)	1018.4	-1	SE	3	57	57	75	7	2000	St. Cu	6	AS	1015.3	0	SE	3	53	75	7	5700	St. Cu	5	
Baldonnel	1017.8	-3	0		62	53	65	5					1017.9	0	0		62	45	85	4			
Manchester (Alca. Pk.)	1020.8	-1	E	4	63	50	75	4					1020.8	0	E	3	63	43	85	2			
Ross on Wye	1020.0	-2	ESE	3	61	43	92	4	4500	St	2		1019.2	0	E	2	61	44	97	2			
Falmouth	1018.9	-1	E	5	61	55	85	6					1016.1	0	E	4	6	54	75	7			
Calshot (Hants)	1018.4	-2	E	5	61	55	85	6					1018.0	0	NE	3	61	49	65	6			
Lymington (Folkestone)	1019.6	-2	E	5	61	55	7						1019.2	-1	E	5	62	45	85	4			
Aberdeen	1021.2	0	S	2	61	50	75	6	1250	St	1		1021.0	0	S	2	62	48	85	5	1250	St	2
Howden	1022.2	-2	ESE	2	61	51	85	6	2000	St. Cu	5	HS	1021.6	0	E	2	61	44	97	5	2000	St	1
Cranwell (Lines)	1022.0	-2	E	2	60	53	75	6	2000	Cu	4		1021.9	0	E	2	6	46	97	5			
Felixstowe	1021.9	-1	E	4	60	52	85	7	750	St. Cu	4		1020.9	0	E	5	6	51	85	7			
Shoeburyness	1021.1	0	0		6	53	65	7					1019.8	-1	ESE	4	6	49	75	7			
Benson	1019.0	-3	0		63	46	92	2					1019.1	0	NNE	1	6	41	85	4			
S. Farnborough	1019.2	-1	E	3	64	56	55	5	4500	St	1		1019.0	0	ESE	2	61	45	85	4	4500	St	1
London (Kew Obs.)	1019.5	-3	E	4	63	55	55	4					1019.3	0	NE	3	62	48	85	3			
Croydon	1019.9	-2	NE	4	61	55	65	6					1019.8	0	E	4	62	42	92	5			
7H. G.M.T. OF 25 th																							
Renfrew	1021.0	+1	N	1	62	31	92	4					1021.9	+1	0		off	33	97	0	4500	St	10
Esksdalemuir	1020.0	0	0		61	51	85	6					1023.3	+1	N	1	61	28	92	5			
Valencia (Cahire's)	1018.0	0	0		61	51	85	6					1016.7	0	NE	2	63	45	92	7	5700	St	3
Baldonnel	1018.2	0	E	1	63	41	65	3	3000	Cu	1		1018.8	+1	0		62	36	97	5	150	St	1
Manchester (Alca. Pk.)	1021.0	0	ESE	3	62	42	85	4	2000	St	3		1021.3	0	ESE	3	62	42	85	4	2000	St	3
Ross on Wye	1019.7	-1	E	4	6	53	75	6					1019.7	0	ESE	4	6	49	75	7	750	St	10
Falmouth	1017.4	-1	E	4	6	53	75	6					1014.9	0	NE	4	6	49	75	7			
Calshot (Hants)	1017.4	-2	ESE	3	63	45	85	5					1018.1	0	ESE	3	63	42	92	6	2000	St. Cu	2
Lymington (Folkestone)	1019.7	0	E	4	61	55	65	6					1019.9	0	E	5	61	45	85	5			
Aberdeen	1021.4	+1	SSW	2	63	41	97	3	1250	St	10		1021.4	0	SSW	2	63	41	97	3	1250	St	10
Howden	1022.4	0	0		62	32	97	1	4500	St	10		1022.4	0	0		62	32	97	1	4500	St	10
Cranwell (Lines)	1022.4	0	E	2	62	44	97	4	750	St	10		1022.4	0	E	2	62	44	97	4	750	St	10
Felixstowe	1021.3	0	ESE	4	6	50	85	6	3000	Cu	1		1021.8	-1	ESE	4	6	49	92	7	3000	Cu	1
Shoeburyness	1021.3	0	ESE	4	6	50	85	6	3000	Cu	1		1020.7	+1	SE	3	6	46	95	7			
Benson	1019.0	-3	0		63	46	92	2					1019.0	0	NE	1	63	39	97	2			
S. Farnborough	1019.2	-1	E	3	64	56	55	5	4500	St	1		1019.7	+1	ESE	2	61	45	85	4	4500	St	1
London (Kew Obs.)	1019.5	-3	E	4	63	55	55	4					1019.8	0	NE	3	63	48	85	3			
Croydon	1019.9	-2	NE	4	61	55	65	6					1020.7	0	E	4	62	42	92	5			
STATIONS CONTRIBUTING REPORTS AT 7H. AND 15H.																							
STATIONS	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		WEATHER.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.		
			Force	Dir.		at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Force	Dir.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.			
			0-12.							0-12.													
15H. G.M.T. OF 25 th																							
Lerwick	1018.9	50	S	3	bcn	1019.0	0	50	0	5	4	S	bc	3	-	51	48	bcn	bcn	bc			
Stornoway	1018.4	52	S	5	og	1017.3	+1	50	0	5	4	S	bc	3	-	53	50	og	og	0			
Castelbay (Barra's)	1016.7	53	S	5	0	1018.0	0	52	0	SSW	4	-	om	5	-	54	51	c. om	om. o	om	0-0		
Main Head	1016.7	50	S	1	b3	1018.0	0	42	-6	ESE	2	-	b3	2	-	56	41	bc3	bc3	b3	5-3		
Blackod Point	1014.0	54	0	0	omr	1016.2	+2	49	-5	NW	1	-	omr	2	9	59	52	bc	bc	omr. bc			
Roche's Point	1018.5	54	SE	3	bc	1017.9	+1	47	-6	E	1	-	3	2	0.1	57	46	o.c.o	o.b. bc3	bc. b3			
Birr Castle	1017.6	52	SE	1	0	1017.8	0	44	0	SSW	1	-	0	*	-	55	39	of	fo	fo	4-9		
Donaghadee	1018.8	49	S	2	bm	1019.0	+2	49	-1	SSW	3	5	bcn	3	-	53	49	bm	bm	bm			
Liverpool (Bidston)	1019.6	45	SE	3	m	1020.1	0	44	+1	ESE	3	-	0	2	-	48	39	fom	bm	om	2-8		
Pembroke (St. Mary's)	1017.6	47	SE	2	b3	1018.4	+1	40	+1	S	2	-	bm	0	Trace	58	38	b3	b3	b3. bmx	8-5		
Scilly (St. Mary's)	1017.1	52	ESE	3	bm	1017.4	+1	45	-3	ESE	3	-	cm	3	-	53	43	bm	bm	bm	5-9		
Jersey (St. Aubin)	1015.0	63	ESE	2	b	1014.8	+1	52	+1	E	2	E	c	4	-	58	52	b. bcn	bcn. b	bc. c	8-3		
Portland Bill	1014.2	52	ESE	4	b	1014.3	0	47	+1	ESE	4	-	b	3	-	57	44	b	b	bm	9-2		
Dunegness	1018.2	49	E	6	bc	1016.2	0	49	+1	ESE	5	NE	c	5	-	57	45	bc	bc	bc. c			
Wick	1018.2	49	ESE	4	b	1018.6	0	46	-2	ESE	4	-	b	4	-	55	45	b	b	b			
Nairn	1017.0	49	S	3	bm	1017.6	0	47	-1	S	3	-	bm	3	-	52	43	bm	bm	bm			
Leith	1017.6	40	0	0	bc	1018.6	0	33	-1	0	0	-	bcn	0	0.2	49	32	bcn	bcn	bcn	7-8		
Tynemouth	1020.1	43	SE	1	b	1021.3	0	33	-3	SSW	1	-	f	1	0.2	43	32	bc	bc	bc			
Spurn Head	1022.0	48	SSW	2	bm	1022.1	0	46	+1	SW	2	-	om	2	-	50	43	bcn	bcn	bcn			
Yarmouth (Kew Obs.)	1021.7	50	SE	5	b	1022.3	0	53	+1	SE	5	-	c	3	-	53	45	bc	bc	bc. c			
Clacton-on-Sea	1021.8	49	SE	5	b	1022.1	0	50	0	SSW	5	-	bcn	3	-	51	48	c	c. b	bc. b3	3-4		
Nottingham	1020.2	51	ESE	4	b	1020.8	0	49	-1	ESE	3	SE	bc	3	-	53	49	bcn	bc. b3	bc. b3	7-5		
	1021.0	46	E	2	b	1021.5	0	37	-4	E	2	E	bm	3	-	52	36	f. m. o. c	bc. b	b	2-7		

* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

§ For code see page 3

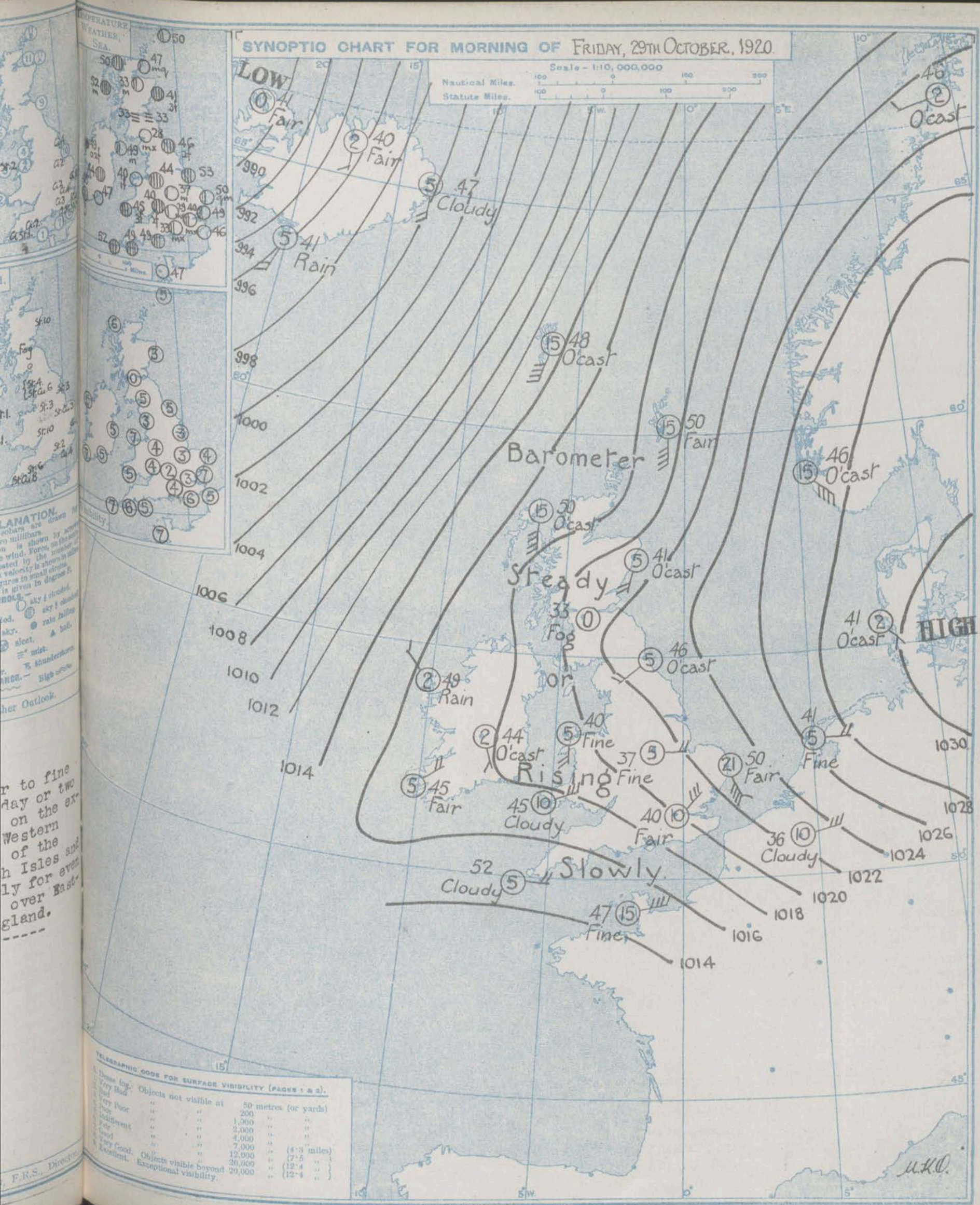
Temperature reported from Coastal and Cross Channel Steamers.

The Continental anticyclone is gradually withdrawing to Russia, but in the absence of any definite disturbance in the neighbourhood of the British Isles fair to fine weather is likely to continue for a day or two in all except our extreme Western districts, and may last even longer over Eastern England.

Fair to fine
for a day or two
except on the ex-
treme Western
coasts of the
British Isles and
probably for even-
longer over East-
ern England.

SYNOPTIC CHART FOR MORNING OF FRIDAY, 29TH OCTOBER, 1920.

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



EXPLANATION.
Numbers are drawn by hand.
Wind force is shown by the number of strokes. Force of the wind is shown by the number of strokes. Force of the wind is shown by the number of strokes.
Direction of the wind is shown by the letters N, S, E, W, NE, SE, SW, NW.
Thunderstorms are shown by the symbol .
Fog is shown by the symbol .
Rain is shown by the symbol .
Snow is shown by the symbol .
Sleet is shown by the symbol .
Ice is shown by the symbol .
High water is shown by the symbol .
Low water is shown by the symbol .
Other Outlook.

to fine
day or two
on the ex-
Western
of the
h Isles and
ly for even
over East-
gland.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).

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

Objects visible beyond 20,000 (12.4 miles)
Exceptional visibility. 20,000 (12.4 miles)

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 303.

Friday
29th OctoberWEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 28th

STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 17h-24h.	Day. 9h-17h.	Sunrise to Sunset.	Forenoon.			Afternoon.	Max. F.	Min. F.	Night. 17h-24h.	Day. 9h-17h.	Sunrise to Sunset.		
Scotland.	Oban	b		55	38	-	-	8.2	England, N.W.	Douglas (I.O.M.)								4.0	
	Banff	b	b	51	40	-	-	7.6		Blackpool	b		52	36	-	-		3.9	
	Montrose	of.	of.	47	34	-	-	0.0		Southport	o.c. to	bc. t	51	38	-	-		7.2	
	St. Andrews									Morecambe	-	-	50	30	-	-			
England, N.E.	Harrogate	o.c.	c bc. c	48	40	-	-	0.4	Midlands.	Buxton								2.7	
	Scarborough	c	c	53	47	-	-	1.1		Leamington Spa	-	-	49	32	-	-		4.4	
	Skegness	bc	b	54	47	-	-	8.2		Malvern	m	bm	51	37	-	-		5.7	
	Lowestoft	bc. c. b	b	51	48	-	-	5.8		Bath	m. b	b	52	39	-	-		7.5	
England, E.	Felixstowe	bc	b	52	?	-	-	7.7	Wales.	Rhyl	b	b. bc	52	37	-	-		8.0	
	Southend-on-Sea	om. b	b	55	44	-	-	8.6		Colwyn Bay	-	-	57	35	-	-		8.6	
										Llandudno	b	b	58	39	-	-		8.5	
										Aberystwyth	c. b	b. bc	57	36	-	-			
England, S.E.	Tunbridge Wells	b	b	56	38	-	-	8.4	England, S.W.	Tenby								7.4	
	Margate	b	b	52	46	-	-	7.5		Swansea	-	-	55	42	-	-		8.0	
	Ramsgate	*	*	53	45	-	-	7.9		Weymouth	b	b	59	41	-	-		5.3	
	Folkestone	b	b	54	46	-	-	7.7		Teignmouth								3.4	
	Hastings	b	b	57	48	-	-	8.9	Torquay	o. bc. b	b. bc. b	58	46	-	-		6.9		
	Eastbourne	b	b	56	39	-	-	8.4	Paignton	om. bc	bc. b	58	46	-	-		7.4		
	Brighton	b	b	57	40	-	-	8.9	Penzance	bc	bc	58	49	-	-		7.2		
	Worthing	b	b	56	42	-	-	9.0	Newquay	b	b	56	44	-	-		8.0		
	Littlehampton	b	bm	57	38	-	-	9.3	Bude	3	b	59	41	-	-		6.0		
	Portsmouth (S. Sea)	*	*	58	41	-	-	8.6	Ilfracombe	b	b	56	40	-	-				
	Bournemouth	*	*	56	36	-	-	8.7	Weston-s-Mare	m. b	b	56	40	-	-				
	Ventnor (I. of W.)	*	*	56	48	-	-	8.8											

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-1h.	1h-7h.				Day. 7h-15h.	Night. 18h-7h.	
Renfrew ...	6-8fe 4-5fe	4-5fe 6-8fe	6-8fe	6-8fe	38	31	26	mm.	sun.	0.0
Eskdalemuir ...	b	bif	b. 2f	b. 2f 6-8fe	52	27	19	0.1	-	5.4
Valencia (Cahire) ...	bc. c	bc. c	c. b. o	bc. c. b. o	59	44	39	-	-	0.8
Baldonnel ...	bzf	2f. b	b. 3fe	x. 3. 3c	54	34	-	-	-	7.6
Manchester (Alex. R.)	b3	b2f	b. 3f	b. 3f 6-8fe	51	37	21	-	-	8.2
Ross on Wye ...	3fe 6-8fe	6-8fe b3f	b. 3f	6-8fe 4-5fe	48	30	20	-	-	3.1
Falmouth ...	bcc 2fe	b. bc	b. bc. bc. c	c. o	57	45	47	-	-	4.3
Caishot (Hants) ...	bzf	bif	b. 2f	b. 2f 6-8fe	56	40	36	-	-	8.9
Lympne (Folkstone)	bzf 1f	bzf	q. w. 6-8fe	b. 2f	53	41	38	-	-	9.2
Aberdeen ...	2fe 1f	1f 2fe	0f. 0f	0f. 2fe	51	41	37	-	-	7.3
Howden ...	bc. c 3f	b. bcfe	4-5fe 6-8fe	4-5fe 3fe	53	32	39	-	-	5.3
Cranwell (Lines) ...	4-5fe b. bc	b. bc. b	4-5fe 3fe	b. bc. 3fe	55	36	38	-	-	6.9
Felixstowe ...	b. bc	b. bc. b	b. bc. 4	bc. c	?	?	?	?	?	?
Shoeburyness ...	b	b. bc	b. bc. bc. c	bc. c. b. bc	54	45	41	-	-	8.5
Benson ...		b	b	b. bc. 3fe	50	28	23	-	-	8.5
S. Farnborough ...	6-8fe b. bc	2f. 2fe	2f. 3f	b. bc 2f	57	32	28	-	-	6.5
London (Kew Obs.)	6-8fe 2f	2f	2f	3f	55	33	27	-	-	6.2
Croydon ...	bzf 2f	bif 2f	b. 3fe	b. bc 3fe	56	31	25	-	-	8.2

BEAUFORT NOTATION.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three quarters covered).
d drizzle, or fine rain.
e wet air without rain falling.
f fog.
g gloom.
h hail.
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.
Lx = 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 0.5
1	1-3	0.5-1.5
2	4-7	1.6-2.5
3	8-12	2.6-3.3
4	13-18	3.6-5.0
5	19-24	5.1-6.7
6	25-31	6.8-8.6
7	32-38	8.7-10.7
8	39-46	10.8-12.8
9	47-54	12.9-15.0
10	55-63	15.1-17.6
11	64-75	17.7-20.8
12	Above 75	20.9 or above

SYMBOLS.
Aurore ☀ Solar halo ☼
Rime ❄ Lunar halo ☾
Glazed frost ❄ Solar corona ☼
Glazed roads ❄ Lunar corona ☾

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. inches.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.						
	Morning.	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.								
24 HOURS ENDED ON G.M.T.												YESTERDAY.		TO-DAY.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.	29 th & 30 th Oct. 1920.	
Greenwich (Royal Observatory)	b	b	b x w	56	36	27	0.8	8.4	58	81	Total 3.6 Joules.	Stations.	Sunrise.	Noon.	Sunset.			
City (Bunhill Row) ...	"	"	"	"	"	"	"	14.7	"	"			G.M.T.	G.M.T.	G.M.T.	G.M.T.		
Westminster (St. James's Park)	"	"	b f	57	41	36	-	5.0	51	74	Average Rate. 8.9	Yarmouth ...	6.44	11.37	4.30			
" (Admiralty Arch)	"	"	"	"	"	"	"	"	"	"			6.46	11.37	4.28			
Camden Sq. (British Rainfall)	bm	b	"	56	35	28	-	"	65	89	Maximum Rate. 26	Greenwich	6.49	11.44	4.30			
Kensington Palace ...	b	b	"	56	36	29	-	"	55 (18h)	88			6.51	11.44	4.30			
Hampstead Observatory	"	"	"	54	38	38	-	4.9	"	84	Average Rate.	Wick	7.22	11.26	5.04			
											Maximum Rate.		7.25	12.25	5.04			
												Valencia ...	7.31	12.28	5.04			
													7.33					

Photographic Record of

Pole Star (Polaris) and of 3 Ursae

Minors at Greenwich Observatory.

Exposure from 27th ... 42m.
to 29th ... 42m.

Star.	Duration of Exposure.	Duration of Record.		
Polaris	1/2 0	1/2 0	100	
3 Ursae	1/2 0	1/2 0	100	
Minors	1/2 0	1/2 0	100	

NOTES ON THE WEATHER OF YESTERDAY.

There was no rain apart from a fall of 9mm at Blacksood Point and 1mm at Valencia. Sunshine records were for the most part good, exceeding eight hours in many places. Mist or fog formed at night at most inland stations, the temperature in some cases falling slightly below the freezing point. The day was a trifle less warm than of late, and the temperature nowhere quite reached 60°.

1920.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION.

N.B. 21527

SATURDAY... 30th... OCTOBER..... 1920

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

[illegible]

14.8	44	E	2	b	10 16.1
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* Information for these columns not usually received.*

‡ The barometric change is expressed in half millibars.

§ For code see page 3

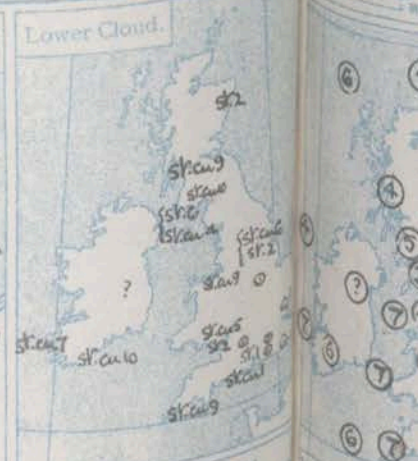
SUMMARY OF CONDITIONS AT 7 h. G.M.T. 30.10.1920.

Districts	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Fine; some mist.	Indiff.	Mod.
2. E. England	Fine.	Fair	Slight
3. E. Midlands	Fine or fair.	Indiff.	-
4. W. Midlands	Fair to overcast, local squalls.	Fair	-
5. S.W. England	Fair to overcast.	"	Mod.
6. South Wales	Cloudy or dull.	"	Slight
7. North Wales	Cloudy or dull, local squalls.	"	Mod.
8. N.W. England	Dull, local mist.	Poor	Slight
9. N. Midlands	Variable sky, misty.	"	-
10. N.E. England	Fine to cloudy, local mist	Fair	Mod.
11. E. Scotland	Variable sky, local mist.	Indiff.	Smooth
12. S.W. Scotland	Dull, misty.	"	Mod.
13. Isle of Man	Dull.	"	"
14. N. & N.W. Scotland	Fair to dull, local mist & squalls.	"	"
15. Hebrides	Dull, squally.	Fair.	Rough
16. Orkneys and Shetlands	Fair, misty, squally.	Poor	R. Rough
17. N.W. Ireland	Dull.	"	"
18. N.E. Ireland	Dull, some mist.	Indiff.	Slight
19. S.E. Ireland	Dull.	Fair	Mod.
20. S.W. Ireland	Dull.	"	"

Temperature reported from Coastal and Cross Channel Steamers

Position Number	Date	Time G.M.T.	Sea °F	Air °F
4A	29 th	0630	54	47
6	29 th	1535	54	54
4A	30 th	0550	53	53

CHART OF POSITION NUMBERS and Upper Cloud



GENERAL INFERENCE from observations received up to 9h.

A secondary depression extending over our Western and Northern districts will cause strong winds or gales in its vicinity, with some rain or showers, but in the East and South East the weather is likely to continue fair under the influence of the Continental anti-cyclone.

EXPLANATION.
BAROMETER.—Isobars are lines of equal pressure. The interval of two millibars is shown by the numbers. The direction of the wind force is shown by the arrows. The force of the wind is indicated by the numbers 0-12. The force of the wind is given in degrees per hour by figures in small circles.
TEMPERATURE.—The temperature is given in degrees Fahrenheit.
WEATHER SYMBOLS.
 ☉ clear sky. ☁ sky & cloudy. ☂ rain falling. ☄ overcast sky. ☄ elect. ⚡ lightning. ⚡ fog. ⚡ thunder. ⚡ thunderstorm. ⚡ high wind. ⚡ rough. ⚡ high sea.

Districts Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 30th October, 1920.

1. S.E. England	Wind S.E. or S., light or moderate, fresh locally; fair; visibility mainly good; temperature rising somewhat.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind Southerly, moderate to strong, veering later; cloudy or overcast, some showers; visibility fair; temperature rising.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Wind Southerly, moderate to fresh; fair to cloudy; visibility fair; temperature rising.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Wind Southerly, strong to high, a gale in places, veering later; much cloud, some rain or showers; visibility indifferent to fair; moderate temperature.
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	

Fair in East and South East England unsettled elsewhere.

South Coast hailed 28.10.1920

South Coast hailed 29.10.1920

South Coast hailed 30.10.1920

SYNOPTIC CHART FOR MORNING OF SATURDAY, 30th OCTOBER 1920

Scale - 1:10,000,000

Nautical Miles
Statute Miles



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 3044.

SATURDAY
30th OCTOBERWEATHER, 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. 10h-11h. 28 th -29 th	Day. 12h-13h. 29 th	Sunrise to Sun- set. 29 th	Forenoon.		Afternoon.	Max. ° F.	Min. ° F.	Night. 10h-11h. 28 th -29 th	Day. 12h-13h. 29 th	Sunrise to Sun- set. 29 th		
Scotland.	Oban	b	bc.b	51	39	-	-	4.0	England, N.W.	Douglas (I.O.M.)							
	Banff	b	b	50	40	0.1	-	7.7		Blackpool	bc	c	53	38	-	3.5	
	Montrose	of	of	41	32	-	-	0.0		Southport	bc	bc.c.o.	54	35	-	5.2	
	St. Andrews	x	x	41	31	-	-	0.0		Morecambe	x	x	54	39	-	5.6	
England, N.E.	Harrogate	bc.c.bc	b.bc.b.	51	38	-	-	2.0	Midlands.	Buxton							
	Scarborough	b	b	57	47	-	-	5.7		Leamington Spa...							
	Skegness	b	b	55	47	-	-	8.0		Malvern	m.bc	bc.b	50	38	-	3.2	
	Lowestoft									Bath	b	b	50	37	-	7.1	
	Felixstowe	b	b	53	50	-	-	8.3		Rhyl	bc	bc.c	50	40	-	5.5	
	Southend-on-Sea...	b	b	53	46	-	-	8.4		Colwyn Bay	x	x	55	37	-	7.0	
England, E.										Llandudno	b	b.bc	55	38	-	7.0	
	Tunbridge Wells	b	b	50	39	-	-	7.9		Aberystwyth	c.b.	b.bc	53	40	-	8.5	
	Margate	b	b	52	46	-	-	7.7	Wales.	Tenby							
	Ramsgate	*	*	53	45	-	-	7.8		Swansea	x	x	54	42	-	7.2	
	Folkestone	b	b	53	44	-	-	7.5		Weymouth	bc	bc.o	55	40	-	3.8	
	Hastings	b	b	52	45	-	-	8.5		Teignmouth	o	o	54	46	-	0.2	
	Eastbourne	bc.b.	b	53	47	-	-	8.1		Torquay	o.c.bc	bc.c	54	49	-	2.6	
	Brighton	bc.b.	b	53	41	-	-	7.2		Paignton							
	Worthing	bc.b.	bc	51	41	-	-	5.7		Penzance	o.c.bc	bc.o.	57	49	-	3.2	
	Littlehampton	bf.	bc.m	53	41	-	-	5.8		Newquay	c	c	53	44	-	2.5	
	Portsmouth (S. base)	x	x	53	41	-	-	7.0		Bude	u.bc.c	b	53	41	-	5.2	
	Bournemouth	*	*	52	37	-	-	5.5	England, S.W.	Ilfracombe	o.c.bc	c.bc.c.o	50	44	-	2.4	
	Ventnor (I. of W.)	*	*	56	48	-	-	4.5		Weston-s-Mare	bc.b.	bc.m	51	40	-	5.5	

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Mid. on Grass °F.	RAINFALL.		Sun. Hours.
	7h-12h.	12h-18h.	18h-24h.	24h-7h.				Day. 7h-18h.	Night. 18h-7h.	
Renfrew ...	6-8 f. s. f.	bc. f. s. f.	bc. f. s. f.	4-5 f. o. f.	37	30	29	mm.	mm.	0.0
Eskdalemuir ...	2 f. b. bc.	b. bc.	bc. bc. x	bc. o. f.	51	27	28	0.1	-	8.0
Valencia (Cahire'n)	bc. c	bc. c	bc. bc.	bc. c. o	57	44	38	-	-	4.5
Baldonnel ...	bc. c	2 f. b. bc.	co. f.	o. f. x	55	34	28	-	trace	7.5
Manchester (Alex. Pk.)	c. o. z.	b. bc. x	bc. f.	co. f.	54	38	22	-	-	*
Ross on Wye ...	o. f. bc. bc.	bc. bc.	bc. w. f. o. f.	o. bc. o. g.	49	40	31	-	-	4.7
Falmouth ...	o. f. bc. c	c. o	o. c. o	co	57	49	43	-	-	2.0
Calshot (Hants.)	b. bc. f.	bc. f. o. f.	o. f. bc. c	bc. f.	54	41	40	-	-	7.5
Lymington (Folkestone)	bc. f. g.	bc. bc. f.	bc. bc. f.	bc. f. f.	49	39	35	-	-	8.5
Aberdeen ...	3 f. 2 f.	2 f. 2 f.	2 f. f.	f. f.	51	40	42	-	-	4.2
Howden ...	2. bc. c	b. bc. f.	bc.	bc. w.	54	36	30	-	-	7.1
Cranwell (Lines)	bc. bc.	b. bc.	bc. b.	bc.	54	29	23	-	-	6.7
Felixstowe ...	b. bc.	2 b. bc.	f. b.	f. b.	54	45	*	-	-	8.2
Shoeburyness ...	b. bc.	b. bc. b.	b.	b.	52	40	34	-	-	8.5
Benson ...	b.	b.	bc. bc.	bc. x	51	28	27	-	-	*
S. Farnborough ...	b. bc.	bc. bc.	2 f. f.	2 f. x	52	33	25	-	trace	7.7
London (Kew Obs.)	3 f. w. 2 f.	2. 2 f.	b. f.	b. f. x	52	35	22	trace	-	6.3
Croydon ...	x. 3 f. f. bc.	b. f. f.	bc. f. w.	bc. f. f.	54	23	*	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.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	0.3-0.8
2	4-7	1.0-1.9
3	8-12	2.1-3.4
4	13-18	3.5-5.0
5	19-24	5.1-6.7
6	25-31	6.8-8.5
7	32-38	8.6-10.7
8	39-46	10.8-12.8
9	47-54	12.9-15.0
10	55-63	15.1-17.7
11	64-75	17.8-20.8
12	Above 75	20.9 or above

SYMBOLS.

☉ Solar halo
☽ Lunar halo
☼ Solar corona
☾ 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.						12 h.	9 h.
									G. M. T.	G. M. T.
	24 HOURS ENDED 30 G. M. T. 30 th							YESTERDAY	TO-DAY.	
Greenwich (Royal Observatory)	b	b	bx	52	33	25	-	7.9	61	79
City (Bunhill Row)	*	*	*	*	*	*	*	5.8	*	*
Westminster (St. James's Park)	*	*	bm	53	38	30	-	5.9	60	78
Camden Sq. (British Rainfall)	bz c	b bc	*	53	30	26	0.3	*	68	91
Kensington Palace	cf x. bf	b	*	52	32	24	-	*	74 (18h)	94
Hampstead Observatory	*	*	*	49	36	29	-	7.3	*	86

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.
Total 483 Joules.
Average Rate. 13.6 Milliwatts.
Maximum Rate. 24

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

30 th & 31 st OCTOBER 1920.			
Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	6.46	11.37	4.28
Greenwich...	6.48	11.37	4.26
Wick...	6.51	11.44	4.27
Valencia...	7.25	12.25	5.15

Photographic Record of

Pole Star (Polaris) and of 3 Ursae

Minors at Greenwich Observatory.

Exposure from 29th 17 h. 45 m.
to 30th 5 h. 45 m.

Stars.	Duration of Exposure.		Duration of Record.		%
Polaris	h.	m.	h.	m.	
3 Ursae	12	0	12	0	100
Minors	12	0	12	0	100

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to 55° or a little higher at some English and Irish stations, but at Renfrew, where fog prevailed, the maximum was only 37°. Slight frost occurred at night in various localities, and ground frost was reported over a wide area. Bright sunshine records were high in the South and East of England, Wales, and also in some parts of Ireland and Scotland; in the South West of England the records were mostly poor.

DON:

20.

TEMPERATURE

Max. Min.

°F. °F.

50 39

55 46

79 59

68 61

68 61

66 54

73 54

81 61

79 61

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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21528 Sunday, 21st October, 1920.

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

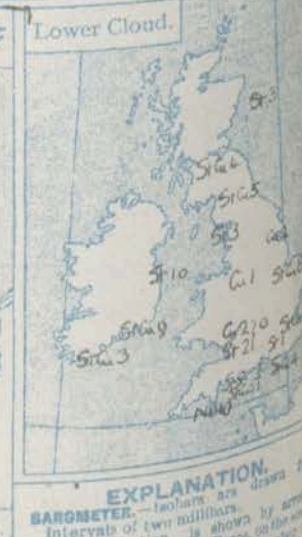
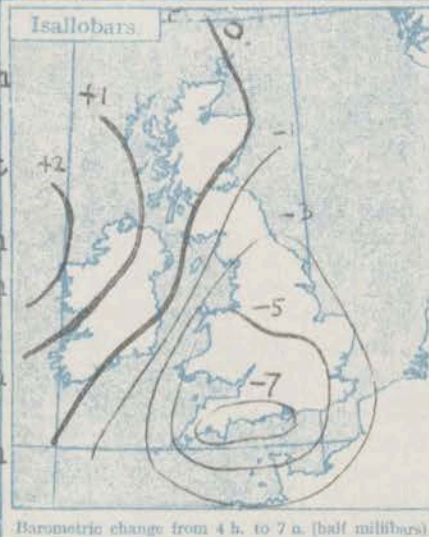
STATIONS.	BAROM. at M.S.L.		Change in 3 hours.	WIND.		Weather.	Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	BAROM. at M.S.L.		Change in 3 hours.	WIND.		Weather.	Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.										
	mb.	mb.		Dir.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.		0-9.	mb.		mb.	Dir.						Force 0-12.	Form.	Amt. 0-10.	0-9.		mb.	mb.	Dir.	Force 0-12.	Form.	Amt. 0-10.	0-9.	Form.	Amt. 0-10.	0-9.
12H. G.M.T. OF 30 th															12H. G.M.T. OF 30 th																									
Renfrew ...	1004.6	-5	SSE	4	ca. 31	50	85	4	2000	Nb	10					1000.0	-4	SSE	5	07g	50	75	5	3.000	St. Cu	10														
Esksdalemuir ...	1006.6	-5	S	5	03	50	75	6	2000	St. Cu	9					1003.3	-3	SSE	4	bcum	46	85	5																	
Valencia (Cahire's) ...	998.5	-6	S	6	07	52	85	6	2000	Nb	6	AS	4			992.9	-6	S	6	07	54	97	5	4500	St.	10														
Baldonnel ...	1003.3	-4	S	4	bcg	56	75	7	4200	Cu	5					998.7	-4	SSW	4	cg	52	75	4	2000	St	7														
Didsbury ...	1010.1	-5	SSE	4	bif	55	65	6	4200	Cu	1					1007.4	-3	SSE	4	b3f	46	85	3																	
Ross on Wye ...	1010.4	-4	SE	3	b	55	65	7	7200	St. Cu	1					1007.4	-3	S	1	b	49	76	6	3.000	St. Cu	2														
Falmouth ...	1007.9	-5	SSE	3	0	56	85	7		St. Cu	10					1004.4	-5	SSW	3	b	53	97	6		Nb	2	Cls	1												
Calshot (Hants) ...	1012.4	-5	SE	4	bif	54	65	6								1009.4	-2	E	4	b2f	49	75	5																	
Lympe (Folkestone) ...	1014.4	-4	SE	4	b	47	65	8								1011.7	-3	SE	3	bif	40	65	6																	
Aberdeen ...	1008.8	-4	S	5	b2f	51	75	5	3.000	St. Cu	2					1003.9	-3	S	5	b1fe	50	85	6	1250	St.	2														
Howden ...	1012.4	-3	SSE	4	b3	47	75	6								1008.9	-2	SE	3	b	40	85	5	2000	St.	1														
Cranwell (Lincs) ...	1013.4	-5	SE	5	b	49	65	5	4200	St.	1					1010.5	-3	SE	4	b	38	85	5	3.000	St	2														
Felixstowe ...	1015.7	-4	S	3	b	50	75	7								1012.6	-3	S	4	b	45	85	7																	
Shoeburyness ...	1014.5	-4	SE	1	b	50	65	7								1011.3	-2	SE	2	b	43	75	7																	
Benson ...	1012.2	-3	S	3	b	52	75	5		Cu	3					1009.0	-4		0	b	42	85	5																	
S. Farnborough ...	1012.8	-4	SSE	4	bif	54	65	6	2000	Cu	2					1010.4	-2	SSE	2	b3f	40	92	3	750	St.	1														
London (Kew Obs.) ...	1013.3	-4	ESE	3	b2f	51	65	5	4200	Cu	1					1010.7	-3	ESE	2	b3f	43	75	2																	
Croydon ...	1014.0	-2	SSE	2	bif	53	65	6	4200	Cu	1					1011.6	-2	SE	2	b2f	39	75	5																	
1H. G.M.T. OF 31 st															7H. G.M.T. OF 31 st																									
Renfrew ...	998.2	-4	SSE	5	om	44	85	5		St	10					991.8	-2	ESE	4	C	48	75	7	2000	St. Cu	6	H. Cu	2												
Esksdalemuir ...	998.2	-4	SSE	5	om	44	85	5		St	10					994.4	-2	SSE	5	bc	45	75	6		St. Cu	5														
Valencia (Cahire's) ...	990.9	-3	SSW	4	07	46										989.6	-0	WNW	3	b	48	55	8	3.000	Cu	3														
Baldonnel ...	991.0	-10	S	6	07g	52	85	4	2000	St	10					988.0	0		0	07	45	97	5	750	Nb	10														
Didsbury ...																997.0	-5	SE	5	b2f	41	85	4	3.000	Cu	1														
Ross on Wye ...																996.9	-6	ESE	4	bc	46	85	6	3.000	St	4														
Falmouth ...																990.7	-7	S	5	07	53	97	6		Nb	10														
Calshot (Hants) ...	998.5	-6	S	6	0	55	92	6		Nb	9					998.1	-7	SE	4	01f	53	85	7	1250	St. Cu	10														
Lympe (Folkestone) ...	1004.0	-6	SE	3	b	51	85	8								1002.2	-4	S	4	02f	45	97	6	4500	St.	9	AS	1												
Aberdeen ...	1006.8	-6	SE	2	b2f	40	75	4	3000	Cu	1					998.5	-0	SSE	7	b1fg	47	75	6	750	St	3														
Howden ...																1000.7	-3	SE	3	bcx	33	92	6	3000	Cu	2	AS	4												
Cranwell (Lincs) ...	1005.1	-4	SE	4	bc	35	92	6								1002.1	-5	SE	4	C	30	97	6	3.000	St. Cu	8														
Felixstowe ...	1006.5	-5	E	4	bc	28	97	5								1004.7	-5	S	4	bif	44	85	6	3.000	Cu	1	AS	1												
Shoeburyness ...	1008.6	-4	S	4	b	43	85	7								1002.5	-3	SE	1	bc	43	85	7	5700	St. Cu	2	H. Cu	2												
Benson ...																998.4	-4	SE	4	b	39	97	5																	
S. Farnborough ...																999.7	-6	ESE	3	c2f	37	97	4	750	St	7														
London (Kew Obs.) ...	1005.8	-4				35										1000.3	-6	E	2	bnx	35	92	2	3.000	St	1	Cu	1												
Croydon ...	1006.9	-4	SSE	4	bif	41	75	6								1001.5	-4	SSE	3	02f	43	92	5	1250	St	10														

STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	BAROM. at M.S.L. mb.	TEMP.		WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.			WEATHER.		Sunshine Hours.																							
		°F.	°C.	Direc.	Force 0-12.		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.																								
12H. G.M.T. of 30 th															7H. G.M.T. of 31 st															24 HOURS ENDED 7H. 31 st															30 th
Lerwick	1004.4	50	S	8	cmg	1001.6	0	50	0	SSE	8	S	bcmg	7	-	51	47	bcmg	bcmg	bcmg																									
Stornoway	991.5	52	S	7	qpf	985.5	0	51	-1	SSE	6	S	bcmg	5	8	54	49	bcmg	bcmg	bcmg																									
Castlebay (Barra's)	990.9	52	S	7	r	984.4	0	51	-1	SW	4	-	bcmg	4	28	53	49	bcmg	bcmg	bcmg																									
Main Head	990.6	51	S	4	cm	985.1	0	47	-1	SSE	2	S	bc	3	3	54	42	cm	cm	or																									
Blackhead Point	987.1	54	SW	3	cmgr	982.4	+2	45	-9	H	2	-	bc	2	20	58	41	cmgr	cmgr	cmr bc																									
Roche's Point	997.3	54	S	7	r	987.9	0	46	-8	NW	3	-	bc	5	19	56	45	or	or	or																									
Dirr Castle	995.5	51	SSE	3	r	988.4	-	44	-6	SSE	1	-	c	-	17	54	43	c	c	c																									
Donaghadee	999.6	62	SW	3	cmf	989.0	+1	50	-1	SW	2	-	cmr	2	30	54	49	cmf	cmf	cmr																									
Liverpool (Bidston)	1004.5	48	SE	3	m	994.3	-4	44	-1	ESE	5	SE	bc	4	-	62	40	bc	bc	c																									
Holyhead	1000.3	55	S	6	bc	988.2	-5	51	0	SSE	6	SW	bc	6	1	56	50	bc	bc	bc																									
Pembroke (St. Ann's Head)	1002.7	55	SSW	5	bc	989.0	-5	53	-1	SSW	6	-	bc	5	11	56	52	bc	bc	bc																									
Scilly (St. Mary's)	1003.7	55	SSW	4	bc	989.5	-4	50	-3	NNW	1	-	bc	5	29	57	50	bc	bc	bc																									
Jersey (St. Aubin)	1008.7	54	ESE	3	b	997.1	-4	53	+7	S	6	S	bc	4	-	56	50	bc	bc	bc																									
Portland Bill	1008.0	55	SE	5	c	997.2	-6	55	+1	S	6	S	bc	6	-	58	44	bc	bc	bc																									
Dunegness	1011.2	45	ESE	3	b	1001.8	-4	48	+4	S	4	S	bc	4	-	49	43	bc	bc	bc																									
Wick	997.8	50	S	9	cmg	993.9	0	49	+3	SE	9	-	cmg	8	-	51	45	bcmg	bcmg	cmg																									
Nairn	997.2	52	S	4	bc	990.8	-	50	+7	SSE	2	-	bc	2	-	52	44	bc	bc	bc																									
Leith	1001.9	49	S	2	bc	994.7	-1	43	+5	SE	1	S	c	1	-	55	38	bc	bc	bc																									
Lyonsmouth	1007.6	45	S	3	bc	999.5	-3	42	+2	SSE	5	-	bc	5	-	50	38	bc	bc	bc																									
Spurn Head	1010.4	49	SSE	6	bc	1000.6	-4	44	-2	SSE	6	-	bc	5	-	50	39	bc	bc	bc																									
Wormouth (Dor. Bank)	1012.4	44	SSE	5	b	1003.9	-3	45	-3	SSW	6	-	bc	4	-	51	42	bc	bc	bc																									
Clacton-on-Sea	1011.8	47	SE	4	b	1002.4	-4	45	-2	SE	4	-	bc	3	-	50	43	bc	bc	bc																									
Woolingham	1008.2	41	E	1	b	999.6	-	34	-2	E	2	-	bc	-	-	51	31	bc	bc	bc																									

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 31.10.1920.

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, some mist & frost.	Indiff.	Mod.	12	30 th	0600	53	52
2. E. England	Fine to fair, squally.	Fair	"	8	31 st	0240	56	46
3. E. Midlands	Cloudy, frosty.	Poor	-	7	31 st	0610	51	54
4. W. Midlands	Dull.	Indiff.	-	14A	31 st	0846	64	48
5. S.W. England	Dull, rainy.	Good	R. Rough					
6. South Wales	Dull, squally, heavy rain.	Indiff.	" "					
7. North Wales	Dull, squally.	V. Good.	Rough					
8. N.W. England	Dull, squally, misty.	Poor	Mod.					
9. N. Midlands	Fine, frosty.	Fair	-					
10. N.E. England	Fine, squally.	Good	R. Rough					
11. E. Scotland	Fine to dull, squally.	Fair	High.					
12. S.W. Scotland	Fair.	"	Slight					
13. Isle of Man	Squally, rainy.	Poor.	"					
14. N. & N.W. Scotland	Dull, misty, gale.	Indiff.	V. High					
15. Hebrides	Squally, rainy.	"	R. Rough					
16. Orkneys and Shetlands	Fair, misty, gale.	Poor	High					
17. N.W. Ireland	Fair.	Good	Smooth					
18. N.E. Ireland	Dull, misty, heavy rain.	Poor	"					
19. S.E. Ireland	Dull.	Good	R. Rough					
20. S.W. Ireland	Fine.	V. Good.	Mod.					



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

A deep V-shaped depression lying over Ireland will move Eastward causing rain and Southerly gales or strong winds over England and Scotland generally followed by a veer of wind and a temporary improvement.

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of two millibars.
WIND.—Direction is shown by the arrow. Force, on the Beaufort scale, is indicated by the number 0-12. Mean velocity is shown in feet per hour by figures in small circles.
TEMPERATURE.—Mean temperature in degrees F.
WEATHER SYMBOLS.
 ○ clear sky. ● sky & clouds.
 ○ sky & clouds. ● sky & clouds.
 ○ overcast sky. ● rain falling.
 * snow. ● mist.
 ≡ fog. ≡ mist.
 T thunder. R thunderstorm.
SEA DISTURBANCE.—High waves.
 Rough. High waves.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 31st October, 1920.
1. S.E. England	Winds Southerly strong to a gale veering towards NW and moderating; dull, some rain, improving later; visibility fair; moderate temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind W or NW fresh, then moderating; variable sky, some showers; visibility good; cooler.
6. South Wales	
7. North Wales	Wind SE strong becoming light W or NW; some rain then improving; visibility fair; temperature moderate, becoming cooler.
8. N.W. England	
9. N. Midlands	
10. N.E. England	Wind SE, strong to a gale; dull, some rain; visibility fair; moderate temperature.
11. E. Scotland	
12. S.W. Scotland	As for 7-9.
13. Isle of Man	
14. N. & N.W. Scotland	As for 10-11.
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	Winds W or NW light to moderate, probably backing and freshening again later; fair but local showers; visibility good; rather cold.
19. S.E. Ireland	
20. S.W. Ireland	

None issued.

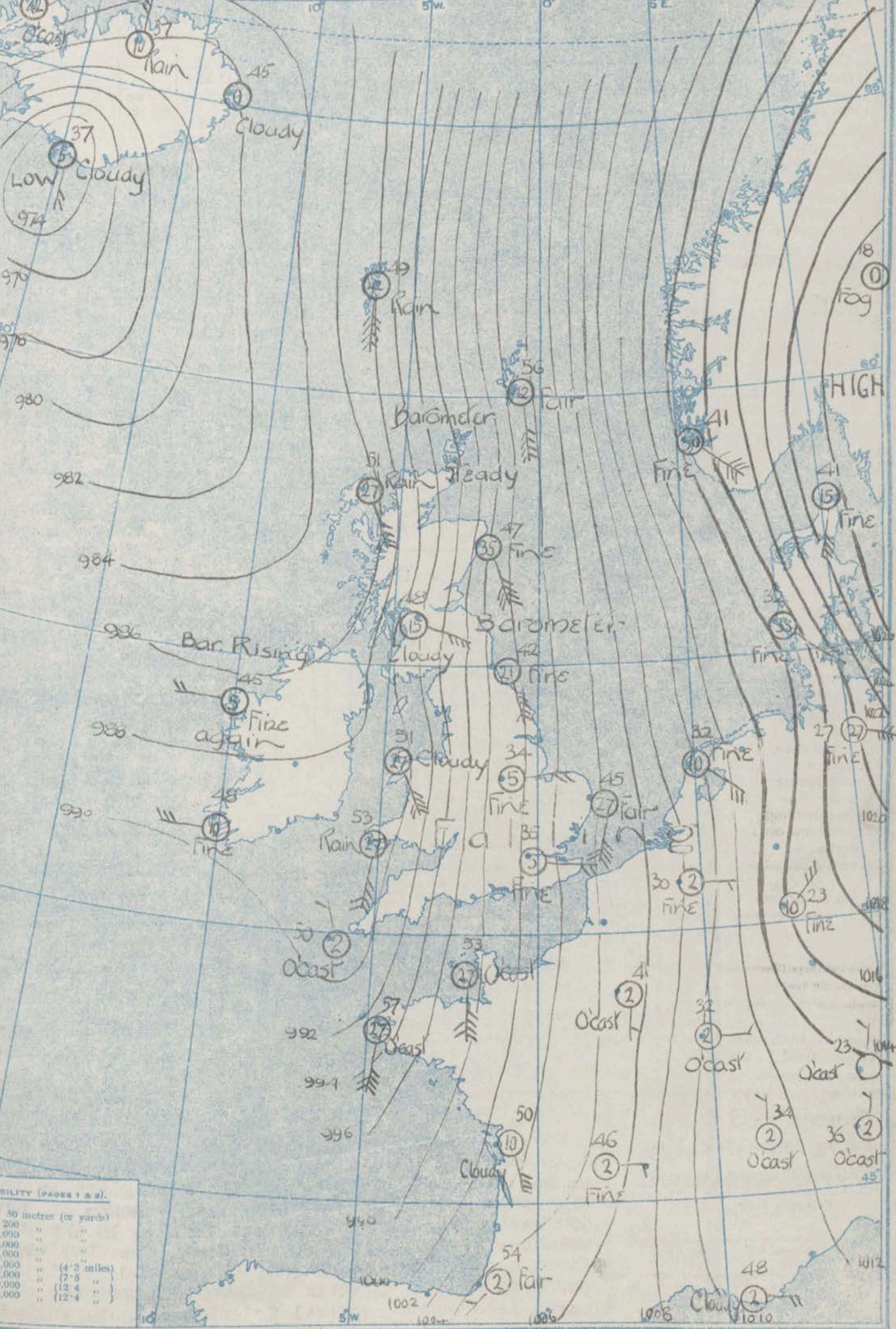
+ South Cone hoisted Sunday

+ South Cone hoisted 8.50 Saturday.

Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200



with Cone
hoisted Sunday

ALPHABETIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).			
	15		
Green log.			
Very Good.		Objects not visible at	50 metres (or yards)
Good.	"	"	300 "
Very Poor.	"	"	1,000 "
Poor.	"	"	2,000 "
Difficult.	"	"	4,000 "
Very Poor.	"	"	7,000 "
Very Good.	"	Objects visible beyond	12,000 (4.2 miles)
Excellent.	"	Exceptional visibility.	20,000 (7.5 "
			25,000 (12.4 "

31st October

Heavy falls of rain occurred in Ireland, the Hebrides and Southwest England, 30mm being measured at Donaghadee and 29mm at Scilly. Over the greater part of England weather was fair or fine many localities enjoying 7 to 9 hours of sunshine. A Southerly gale blew throughout the day in the North of Scotland, the Hebrides and the Northern North Sea. Day temperature was about normal for the season, but ground frosts of some intensity occurred at night, grass minimum temperatures of 22° or 23° being recorded at several inland stations, including London.

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† Trace = rain has fallen but amount less than 0.1 mm.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION.

CORRECTIONS AND ADDITIONS October 1920.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.	Report for	STATION.	CORRECTION.	Report for	STATION.	CORRECTION.
1st	Cranwell	18h 30 th Sept. Bar. 1009.5. Bar change -3	4th	Kenfrew	3rd 12h. Temp. 56°	7th	Howden	7th 7h. Bar. 1008.7mb
	Edinburgh	Weather obs. Temp 57.		Baldonnell	" " Wind NNE.		Kenfrew	Wind - calm. Temp 45°
	Kenfrew	18h 30 th Weather. b. Low Cloud 9/2		Cranwell	" " Bar. 1008.3mb. Wind force 5; temp 59		Kenfrew	1st Weather 13h-18h 6 th obs. 18h
	Cranwell	7h. 1st Weather. r.c.f. Temp. 54		Kenfrew	3rd 18h. Bar. 994.8mb.		Cranwell	" " 18h 1st 6 th obs.
	Howden	7h. 1st Temp. 54		Cranwell	4th 1h. Temp. 53°			Min. temp. 46°. Gross min. 39°
	Blackhead	Max. temp. 55°. Min. temp. 51°		Kenfrew	4th 7h. Wind force 4; temp 57°		Kenfrew	Sunshine. 5-8h.
	Donaghadee	57°		Edinburgh	" " Temp. 56°		Kenfrew	Max. temp 67°
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Cranwell	" " Bar. 1004.0mb. Wind 95 force 5.		Kenfrew	1st Weather 7h-13h 6 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	3rd 18h. Wind force 8		Kenfrew	02h. op. 00. 0000
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	Max. temp. 60°		Kenfrew	7th 18h. Weather. bc. Cloud Height 4200. Low Clouds 0. Upper Cloud 2.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	Min. temp. 47°		Kenfrew	Cloud 3rd 2.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	1st Weather. 1h-7h. 4 th obs.		Kenfrew	Humidity. 97%
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	4th 18h. Low Cloud form Nb.		Kenfrew	Temp. 55°
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	5th 1h. Humidity 85% 113.5.		Kenfrew	Bar. 1012.0mb.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	6th 1h. Wind ESE.		Kenfrew	7h. Sun. 8.0h.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	7th 1h. Bar. 998.2mb.		Kenfrew	1st Weather. 13h-18h. 7h-18h. 1st 6 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	8th 1h. Temp. 55°		Kenfrew	18h 7h-11h 5 th obs. 18h
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	9th 1h. 58°		Kenfrew	Rainfall 7h-18h 1mm.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	10th 1h. Bar. 1008.9mb.		Kenfrew	1st Weather. 18h 7h-11h 8 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	11th 1h. Temp. 56°		Kenfrew	13h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	12th 1h. 1st Weather. 13h-18h 4 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	13th 1h. Rainfall 7h-18h 6mm.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	14th 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	15th 1h. Rainfall 3mm.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	16th 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	17th 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	18th 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	19th 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	20th 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	21st 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	22nd 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	23rd 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	24th 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	25th 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	26th 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	27th 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	28th 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	29th 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	30th 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.
	Kenfrew	1st Weather. 7h-13h 30 th Sept. 25.0.		Kenfrew	31st 1h. 1st Weather. 4 th 18h-5 th 1h. 1st 6 th obs.		Kenfrew	18h-18h 7 th obs.

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. inb.	1 Change in 8 hours.	Wind.		Weather	Temp. °F.	Humidity %	Visib. 0-9	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.	WEATHER				Max. Temp. °F.	Min. Temp. °F.	5th. up Gross °F.	RAINFALL.		Sun Hours	
				Dir.	Force 0-12						Form.	Amt. 0-10.	Form.	Amt. 0-10.		7h-13h.	13h-18h.	18h-19h.	19h-7h.				7h-13h.	13h-19h.		
1st	1st 1h. Baldonnell.	1008.7	-2	HOW	2	bc	45	97	8	-	-	-	H.C.	5	-	-	-	-	-	-	-	-	-	-	-	-
2nd	2nd 7h. " "	1000.5	-1	HOW	2	of	45	97	6	750	ST	5	AS	4	-	-	-	-	-	-	-	-	-	-	-	-
3rd	3rd 13h. Kenfrew	992.1	-2	ENE	3	orz 3f	56	92	3	3,000	ST	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4th	4th 19h. " "	998.4	+3	ESE	3	of	49	92	5	3,000	ST	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5th	5th 1h. Baldonnell	997.4	-1	S	1	orz 3f	47	97	2	1250	ST	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6th	6th 7h. Baldonnell	993.0	-2	S	4	b	48	75	7	-	ST	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7th	7th 13h. Castlebay	994.0	-1	ESE	3	c	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8th	8th 19h. " "	997.1	-1	ESE	7	qf	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9th	9th 1h. Castlebay	997.6	-	E	8	qf	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10th	10th 7h. " "	994.4	+5	E	4	o	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11th	11th 13h. Rothes	998.0	+6	SSE	6	o	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12th	12th 19h. Baldonnell	1004.3	+2	E	2	b	50	85	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13th	13th 1h. " "	1003.8	0	-	0	of	52	97	1	1500	ST	10	-	-	-	-	-	-	-	-	-	-	-	-	-	
14th	14th 7h. Kenfrew	1001.4	0	ENE	5	orz 3f	56	97	3	750	Nb	10	-	-	-	-	-	-	-	-	-	-	-	-	-	
15th	15th 13h. Baldonnell	1002.2	+2	-	0	qf	54	97	2	1500	ST	10	-	-	-	-	-	-	-	-	-	-	-	-	-	
16th	16th 19h. " "	1006.6	+4	NH	2	of	54	97	3	1500	Nb	10	-	-	-	-	-	-	-	-	-	-	-	-	-	
17th	17th 1h. " "	1003.3	-	-	0	o	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18th	18th 7h. Spurn Head	1004.6	-	SSE	4	c	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
19th	19th 13h. Howden	1013.2	+4	-	0	cc	59	97	5	3,000	ST	4	AS	4	-	-	-	-	-	-	-	-	-	-	-	
20th	20th 19h. Baldonnell	1021.3	+3	-	0	bef	39	97	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21st	21st 1h. Valencia	1019.5	0	S	2	b3	55	85	7	2,000	Cl	1	Cl	1	2	-	-	-	-	-	-	-	-	-	-	
22nd	22nd 7h. " "	1018.2	+1	ESE	3	of	59	97	2	-	ST	10	-	-	-	-	-	-	-	-	-	-	-	-	-	
23rd	23rd 13h. Baldonnell	1020.8	-1	E	3	bef	47	97	1	3,000	ST	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
24th	24th 19h. Birr Castle	1019.3	-	SE	1	bc	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25th	25th 1h. " "	1018.6	+	SE	1	o	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26th	26th 7h. Dungannon	1018.4	-	RNE	3	b	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	27th 13h. Cranwell	1022.5	+1	ENE	3	of	65	97	1	1500	ST	10	-	-	-	-	-	-	-	-	-	-	-	-	-	
28th	28th 19h. " "	1024.0	-1	ENE	4	bc	58	85	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29th	29th 1h. Baldonnell	1018.6	0	-	0	of	49	85	3	1500	ST	6	AS	4	-	-	-	-	-	-	-	-	-	-	-	
30th	30th 7h. " "	1010.7	0	NE	1	o	55	85	8	1250	ST	5	AS	4	-	-	-	-	-	-	-	-	-	-	-	
31st	31st 13h. " "	1010.3	0	NNE	1	o	57	85	4	-	Nb	10	-	-	-	-	-	-	-	-	-	-	-	-	-	
32nd	32nd 19h. Baldonnell	1010.3	0	NNE	1	o	54	92	4	-	Nb	10	-	-	-	-	-	-	-	-	-	-	-	-	-	
33rd	33rd 1h. " "	1010.8	+1	ESE	3	of	55	85	4	750	ST	6	AS	4	-	-	-	-	-	-	-	-	-	-	-	
34th	34th 7h. " "	1012.8	+1	NE	2	of	51	97	4	-	Nb	10	-	-	-	-	-	-	-	-	-	-	-	-	-	

I.—CORRECTIONS. (continued)

Report for	STATION.	CORRECTION.	Report for	STATION.	CORRECTION.	Report for	STATION.	CORRECTION.
11 th	Falmouth	10 th 15h. Wind SE.		Cranwell	7h-18h 15 th old fr.		"	" 18h. Bar. 1019.3 mb.
	Kentfree	10 th 18h. Humidity 85%			Rainfall. Day. 2mm.		Valencia	Wind SSE.
	Baldonnell	11 th 1h. Weather. C. 9h.			Night. 9mm.		"	22 nd 18h. Bar. 1019.3 mb.
	Kentfree.	11 th 7h. Weather. 0.02. 12.0		Gordon (Newcastle)	Best weather. 7h-13h 5 th : w. cloud fr.		"	Bar. 1019.3 mb.
	Valencia	" " Cloud: Height 2000 ft. R. Aut.					Castlebay	23 rd 7h. Sea 6
		" " " " " " " " " " " "	17 th	Blackscod	15 th 18h. Bar. 1009.3 mb.		Scilly.	" " Min. Temp. 54°
	Campree	" " Weather. 0.02.		Highhead Wick.	15 th 18h. Bar. 1009 mb.		Spurn Head	" " Sea 2. Rain 0.1 mm.
		" " Cloud: Height 800			" " " 1009.0 mb.		Kentfree	22 nd 18h-13h. Best weather 0.02
		" " " " " " " " " " " "		Dungeness	17 th 7h. " 1022.5 mb		Baldonnell.	24 th 7h. Temp. 46°
	Farnborough	" " Wind ENE		Kentfree	Rainfall. -		Jersey	" " Wind NE.
	Kentfree	Max. Temp 60°		London (Newcastle)	Sunshine. 1.6h.		Spurn Head	" " Rainfall 0.2 mm.
	Falmouth	Best weather 18h 10 th - 11h 11 th 0.00	18 th	Kentfree.	Min Temp. 53°		Cranwell	Min. Temp 32° : Grass min 31°
	London	Grass min 50°		Baldonnell.	17 th 13h. Sea Cloud Form 3. Cu.	25 th	Baldonnell.	25 th 1h. Weather 0.02. Temp 46°
	Cranwell	Min Temp. 53°		Falmouth.	" " Visibility 4			Vis. 1.
	Falmouth	Sunshine 2.4h.		Howden	" " Cloud: Height 750. Nb. 10		Stornoway	24 th 18h. Temp 55° : Th. Sun. 1.1h
12 th	Baldonnell	11 th 13h. Weather 0.02. 12.0		Blackscod	17 th 18h. Temp. 54°		Jersey	Rainfall. -
	Cranwell	" " Cloud: Height 1250			min Temp. 47°		Portland Bill	max. Temp. 59°
		" " " " " " " " " " " "	19 th	Portland	17 th 18h. Bar. 1012.9 mb.		Valencia	Best weather 7h-13h. 24 th old fr.
		12 th 1h. Weather 5.02.		Spurn Head.	Rainfall 0.4 mm		Ross-on-Wye.	Min. Temp 35°
		Cloud 87.7.		Burr Galle.	Sunshine 3.0h.		Manchester	Rainfall. Night. -
	Howden	18 th 7h. Bar. 1020.1 mb. 18.4		Kentfree.	min Temp. 29°	26 th	Calshot	Max. Temp. 58° : min 42°
	Farnborough	" " Temp 47°		Baldonnell.	Best weather. 18h 17 th - 11h 18 th 0.02		Valencia	25 th 18h. Wind Force 4. Weather 0
	Kentfree	min Temp. 40° : Grass min 32°		Falmouth	Grass min 39° : Rain Day 1mm		Denson	26 th 7h. Weather 4.02. Vis. 0
	Baldonnell	max. " 58° min Temp 45°		Howden	Rainfall. Day 11mm. Night. 2.5mm		London (Newcastle)	" " Low Cloud Form 3.
	Dorchester	Grass min. 40°		Cranwell.	" " " " " " " " " " " "		Calshot	Grass min. 40°
13 th	Falmouth	12 th 18h Temp. 56°	19 th	Kentfree.	Best weather. 7h-18h 1 st old fr. 0	27 th	Falmouth.	26 th 13h. Temp 55°
	Kentfree	13 th 7h. Cloud: Height 750. 5.10			18 th 13h. Wind Force 3 : Humidity 75		Calshot	" " " " " " " " " " " "
	Essexdamur	" " Cloud: Height. -			" " " " " " " " " " " "		Valencia	20 th 18h. Upper Cloud Amount 5
	Baldonnell	" " Temp. 55°		Cranwell	" " " " " " " " " " " "		Cranwell	20 th 13h. " " " " " " " " " " " "
					" " Temp. 42°			" " " " " " " " " " " "
	Cranwell.	13 th 7h. Bar 1018.6 mb.		Dorchester	max. Temp 53°		Rembroke	27 th 7h. Bar. 1026.3 mb.
	Shoeburyness	" " " 1019.2 mb		Wick	18 th 18h. Bar. 1023.6 mb.		Portland	max. Temp 57°
	London (Newcastle)	" " Wind. - calm		Falmouth.	Sunshine. 7.2h.		Calshot	Sunshine 9.1h.
	Stornoway	" " Bar. 1015.5 mb.		Kentfree.	min. Temp. 29°		Howden	max. Temp 57° : min 31°
	Wick	" " Max. Temp. 56°		Howden	max. " 53°		Cranwell	Grass min 28° : Sunshine 6.9h.
	Kentfree	max. Temp 58°		Cranwell.	Grass min 31°	28 th	Essexdamur	min. Temp 51°
	Valencia	min. " 57°		Shoeburyness	Sunshine 6.4h.		Rainfree	31°
	Baldonnell	max. " 59°	20 th	Essexdamur	19 th 18h. Weather. 0.02	29 th	Valencia	24 th 1h. Weather 0.02.
	Ross-on-Wye.	Rainfall. Night. 18h-7h. 0.2 mm		Cranwell	" " " " " " " " " " " "		Croydon	24 th 7h. Wind Force 1.
	Denson	Best weather 7-13h 14 th 1.6. 6.			20 th 1h. Bar. 1022.6 mb.		Stornoway	Sunshine 0.0h.
14 th	Croydon	min. Temp. 39°		Baldonnell.	20 th 7h. Weather. d.		Baldonnell	Best weather 18h 28 th 1h 24 th 5.3. 6.
	Kentfree.	13 th 18h. Temp. 50°			" " " " " " " " " " " "		Aberdeen	Sunshine 7.5h.
	Shoeburyness.	14 th 1h. Weather. 5.02.			19 th 18h. Bar. 1016.3 mb.		Shoeburyness	max. Temp. 54° : min Temp 45°
15 th	Cranwell.	14 th 13h. Wind. 5.02.			20 th 7h. " 1016.4 mb.		Shoeburyness	Rainfall Day. - : Night. - : Sun 8.2
		" " Upper cloud. Cl. 5.			" " " " " " " " " " " "	30 th	Stornoway	Grass min 32°
		" " Bar. Change -1.			Sunshine. 0.5h.		Croydon	24 th 13h. Temp 52°
	Baldonnell	15 th 1h. Temp. 53°		Ross-on-Wye.	Grass min 46°		Cranwell	" 18h. " 43°
		" " " " " " " " " " " "		Falmouth	" " " 47°		Baldonnell	30 th 7h. Bar change -4.6 mb. S.
	Calshot.	" " Cloud Height. 1250'	21 st	Howden	Rainfall. Day. - : night. - :			Humidity 85% : 11.6h.
	Cranwell.	" " Wind 5.0h.		Cranwell	min Temp 33°			Cloud: Ht. 750. 5.0. Aug.
	Wick.	15 th 7h. " N.W.			21 st 1h. Cloud S.E. Weather d.		Cranwell	30 th 7h. Temp 30° : Humidity 97%
	Valencia	Rainfall. Day. 7h-18h. 9mm.		Stornoway	15 th 7h. Sea 2. Rainfall. 1mm.			Vis. 4
	Baldonnell.	" " " 3 mm.		Jersey	16 th 18h. Temp. 55°		Roches	24 th 18h. Bar 1010.6 mb.
	Cranwell.	Best weather. 7h-13h. 0.02. 25	22 nd	Kentfree	max. Temp 53° : min Temp 46.5. 0.02		Rembroke	" " Temp 60°
16 th		15 th 18h. Bar. Change. -1		Cranwell	Best weather 7h-13h. 21 st 0.02		Stornoway.	24 th 7h. Sea 0. Max. Temp 53°
		" " Temp. 55. Humidity 97%			21 st 13h. Weather. c. Sea Cloud Form 3.			min Temp 49°
		Vis. 8.		Shoeburyness	21 st 18h. Temp 46°		Scilly	min Temp 50°
	Valencia.	16 th 7h. Humidity. 92% : Vis. 8	23 rd	Castlebay.	15 th 18h. Bar. 1009.3 mb.		Baldonnell	Sunshine. 7.5h.
	Kentfree.	" " Sea. Cloud Gm. 10		Spurn Head.	22 nd 7h. Sea 2. Rainfall. 0.1		Wexhamstead	" " 6.9h.
	Dorchester.	15 th 18h. Temp. 45°		Kentfree.	Best weather. 7h-13h. 21 st 0.02.	31 st	Baldonnell	30 th 13h. Cloud. 5.10
	Highhead Kentfree.	16 th 7h. Wind. ENE.		Baldonnell	" " " 1h-7h. 22 nd 0.02.			Best weather 1h-7h 3 rd 0.02. 1.7
		Best weather. 18h 15 th - 11h 16 th - 0.02.	24 th	Kentfree.	max. Temp. 63°		City	Sunshine 6.1h.
					22 nd 13h. Wind. 5.0h. Humidity 75%		Ambridge	" " 5.5h.
					15. 6. Cloud Form. Cu.			
II - ADDITIONS								

III.—ADDITIONS.

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