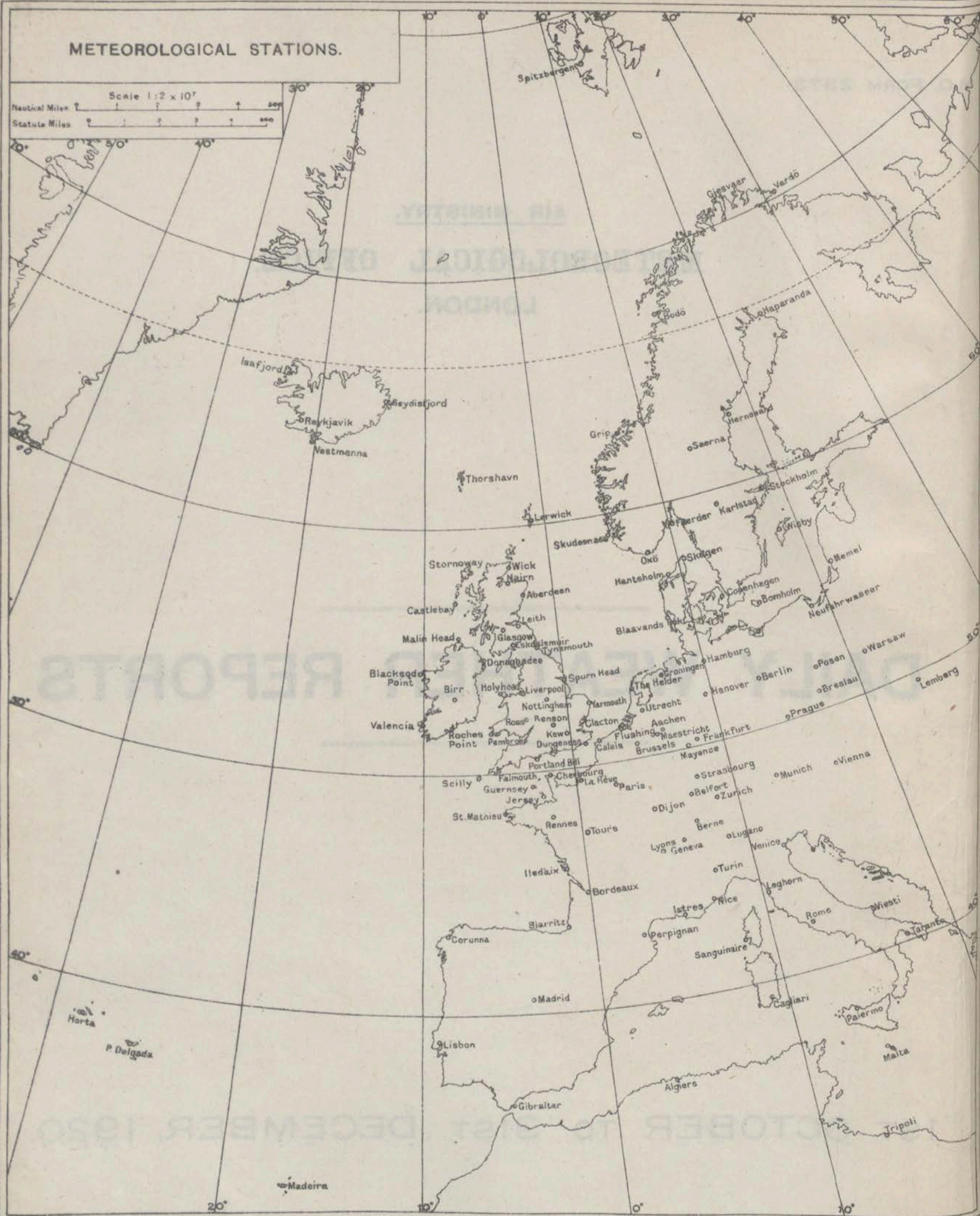
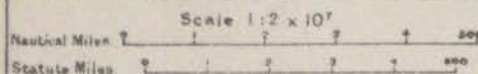


AIR MINISTRY.
METEOROLOGICAL OFFICE.
LONDON.

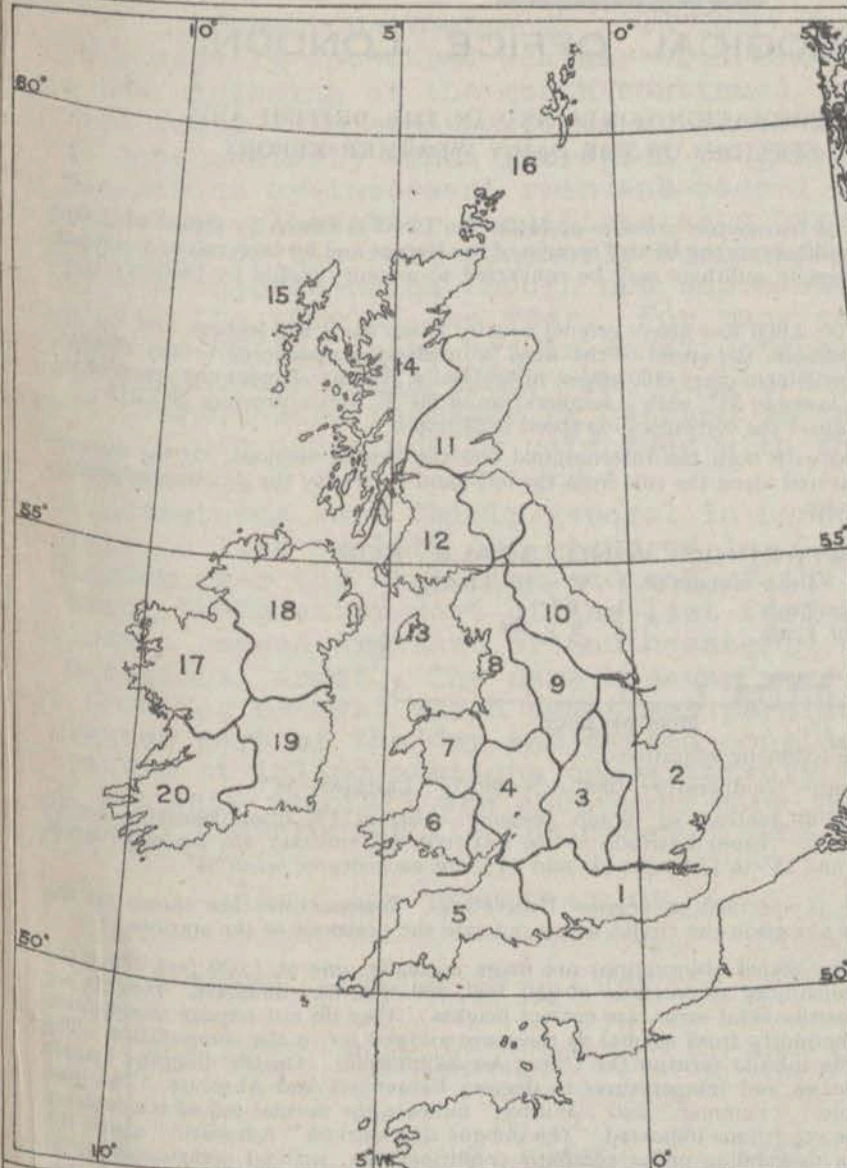
DAILY WEATHER REPORTS

1ST OCTOBER TO 31ST DECEMBER, 1920.

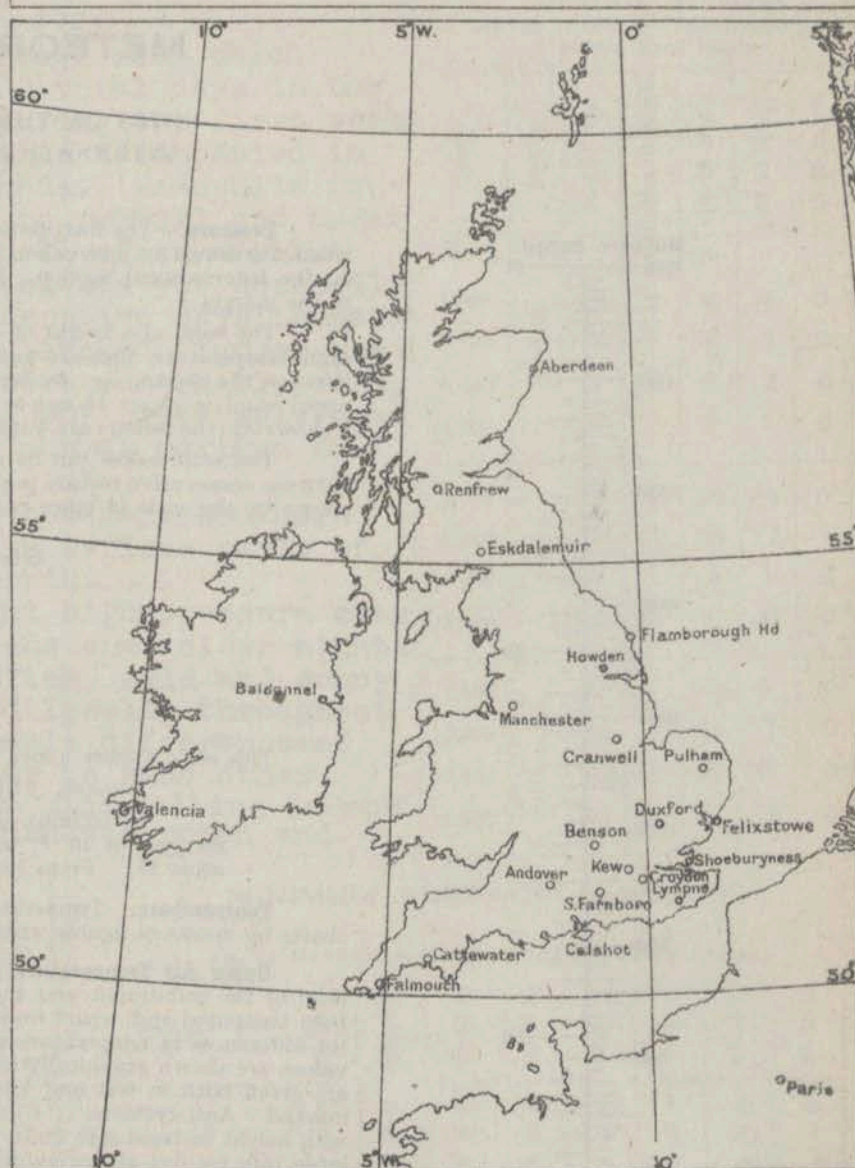
METEOROLOGICAL STATIONS.



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.

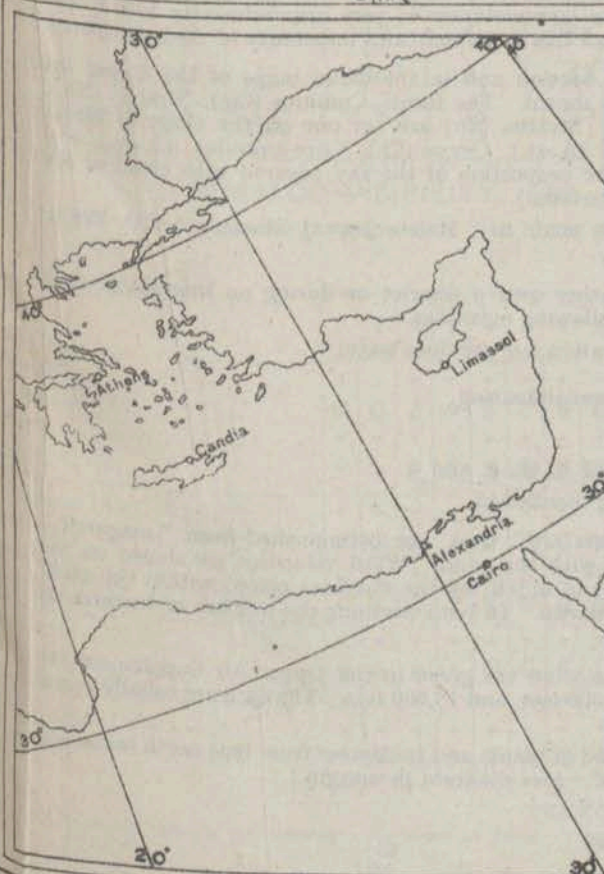
Capital letters indicate intensity, and repetition of letters continuity, thus:—
R=heavy rain. rr=continuous moderate rain. r_s r_s=continuous slight rain.

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.

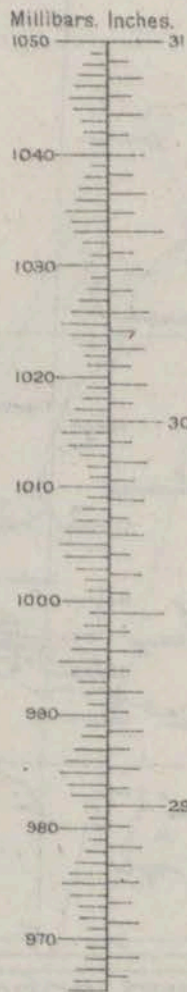
Clear sky	☉	Sky 1/2 cloudy	☉☉
Sky 1/2 cloudy	☉☉	Sky 3/4 cloudy	☉☉☉
Overcast sky	☉☉☉☉	Rain falling	☉☉☉☉
Snow	❄	Sleet	❄❄
Fog	☁	Hail	☉☉☉☉
Thunder	⚡	Mist	☉☉☉☉
Lightning	⚡	Thunderstorm	☉☉☉☉
Aurora	☀	Gale	☉☉☉☉
Rime	❄	Solar halo	☉☉☉☉
Glazed frost	❄	Lunar halo	☉☉☉☉
Glazed roads	❄	Solar corona	☉☉☉☉
Snow lying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



AIR MINISTRY.

METEOROLOGICAL OFFICE, LONDON.

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



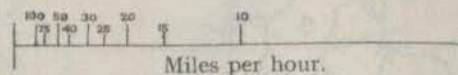
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section. Values in millibars may be converted to mercury inches by the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

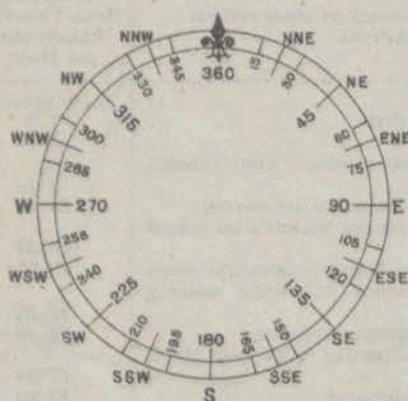
Weather.—In describing the distribution of weather over a district or during an interval of time such as a day, descriptive adjectives are used with the following meanings:—

- 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
Lympe
Aberdeen
Craigwell
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 NOVEMBER, 1920

November 1920 might perhaps be described as a dry month with many mild days, some cold ones, though less intensely so than frequently in November, and many cold nights, colder even in some localities than any during last November, memorable for its frost and snow.

There were two cold spells: one at the beginning which lasted approximately a week, the other only a few days from about 20th-24th. Reference to the table on the next page will show that all English and Scotch stations included in this summary recorded their lowest maximum in one of these two periods. On the 22nd at Renfrew and Manchester the frost continued throughout the day owing to the persistence of fog, while at Kew Observatory, Richmond, the l.p.m. temperature was as low as 29° (the lowest reading at that hour during the past twenty-two months). During the afternoon the fog became less dense and temperature rose many degrees in the latter district. Apart from fog the day was bright and sunny: over seven hours were recorded at Eskdalemuir, Yarmouth and Calshot.

On the 16th, observations from aeroplanes reported temperatures above the normal (about 45°) at a pressure of 950mb with a rapid fall at higher levels to 4° at 650mb., indicating that the upper current, though westerly over the British Isles, must have come from some northerly source, in the rear of a depression passing from Iceland to Norway.

Except in the North-Western districts there was little rainfall until near the end of the month when conditions became generally unsettled.

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.	27	3	13	10	1	0
5,000		13	2	5	4	1	1
10,000		6	0	3	3	0	0
15,000		4	1	1	2	0	0
2,000	Lympe.	51	19	21	11	0	0
5,000		28	15	4	9	0	0
10,000		13	6	7	0	0	0
15,000		2	1	0	1	0	0
2,000	Eskdalemuir	22	2	16	4	0	0
5,000		11	1	4	4	2	0
10,000		5	0	2	3	0	0
15,000		3	0	2	1	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.
	feet.	° F.	° F.		° F.		° F.		° F.	
850	1,730	40°	42°	8	44°	4	44°	8	43	31
850	4,700	34°	34°	8	37°	4	34°	8	38	31
750	7,360	26°	27°	8	22°	2	26°	6	30	31
650	11,650	16°	16°	8	-	0	12°	4	19	29

MINIMUM SURFACE HUMIDITY.

No. of Days with Minima between Fixed Limits.

Station.	95-100 %	90-94 %	80-89 %	70-79 %	60-69 %	50-59 %	40-49 %	30-39 %	20-29 %
Renfrew ...	1	1	13	10	4	1	0	0	0
Eskdalemuir ...	1	2	7	9	4	4	1	0	2
Valencia ...	0	1	5	11	9	4	0	0	0
Falmouth ...	0	0	5	10	6	8	1	0	0
Aberdeen ...	0	1	7	5	6	5	5	1	0
Leith ...	0	2	4	15	7	2	0	0	0
Benson ...	1	3	8	11	6	1	0	0	0
London (Kew Obs.)	0	2	7	14	6	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eskdalemuir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Valencia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baldonnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Manchester (Alex. Pk.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Palmonth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calshot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lympe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aberdeen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cranswell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
London (Kew Obsy.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groydon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 visible at 20,000 metres (12.4 miles)
1. Very Bad.	" 200 "	5. Indifferent.	" 7,000 "	8. Very Good.	Objects visible beyond 20,000 "
2. Bad.	" 1,000 "	6. Fair.	" 12,000 "	9. Excellent.	Exceptional visibility.
3. Very Poor.	" 2,000 "				

SUMMARY OF RECORDS OF TEMPERATURE, SUNSHINE AND RAINFALL.

[illegible]

G. C. SIMPSON, V.R.S., Director

Reinhold Ad. Reinhold

10

10

6. 21. 5. 24

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation

10

11



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

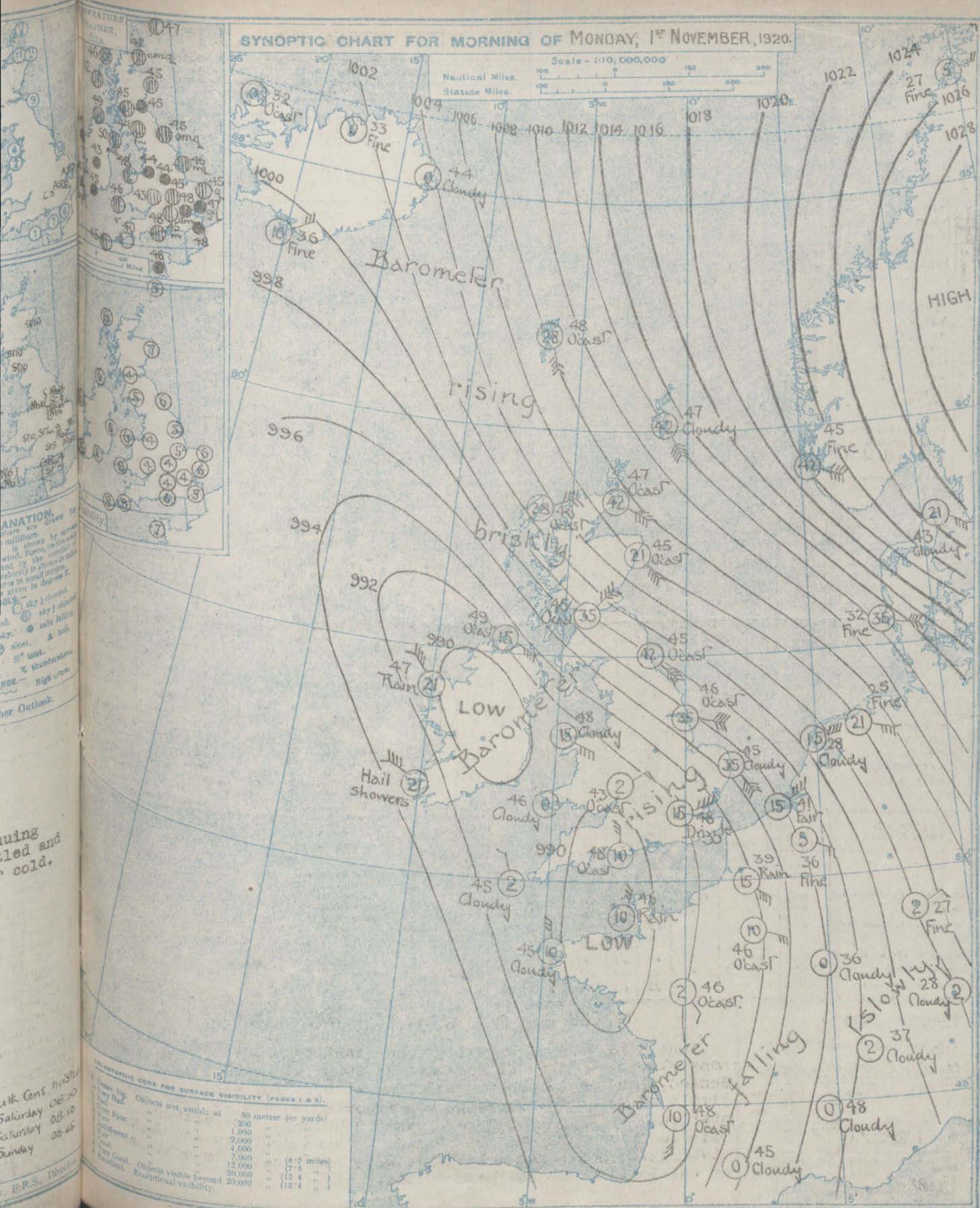
No. B.21,529

MONDAY, 1ST NOVEMBER, 1920.

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

STATIONS.	BAROM. at M.S.L. mb.	1 Change in 3 hours.	WIND. Direc. Force 0-12.	Weather.	Temp. °F.	Humidity. %	Visibility 0-10. Feet.	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. Direc. Force 0-12.	Weather.	Temp. °F.	Humidity. %	Visibility 0-10. Feet.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.		
13H. G.M.T. 31 ST																								
Renfrew ...	991.6	-2	E 5	02f	49	75	5	2,000	Sc	7	Acu	2	991.8	+1	ENE 5	02f	47	85	4	2,000	St	9	-	-
Eskdalemuir ...	994.2	-1	SE 5	CZ	42	75	6	3,000	Sc	8	-	-	992.5	-1	ESE 5	0	46	85	6	-	St	10	-	-
Valencia (Cable'n)	989.4	-1	W 3	0	47	75	8	3,000	Sc	4	Acu	5	990.6	+2	N 4	0	49	65	8	3,000	Stcu	7	-	-
Baldonnel ...	988.0	0	WNW 1	0	46	92	8	2,000	Sc	1	Acu	9	987.5	0	NW 1	02f	44	85	5	2,000	St	9	Acu	1
Manchester (A.M.P.)	992.6	-7	SE 6	02f	45	92	4	2,000	Sc	10	-	-	989.6	-3	SE 6	01f	51	75	6	2,000	St	10	-	-
Ross on Wye ...	989.2	-9	ESE 5	02f	52	85	7	2,000	Nb	10	-	-	986.5	-4	SE 4	01f	51	85	6	1,250	Nb	10	-	-
Falmouth ...	985.3	-5	WNW 4	03f	48	92	6	-	Nb	10	-	-	987.2	+2	NW 3	0	44	85	7	-	Cu	1	-	-
Calshot (Hants) ...	991.6	-8	SSE 6	01f	55	85	7	2,000	Sc	10	-	-	988.1	-4	SSE 6	01f	52	85	6	750	Nb	10	-	-
Lymington (Folkestone)	997.8	-8	SSE 6	CZ	52	75	6	1,250	St	4	Acu	4	994.5	-2	SSE 7	02f	51	75	5	2,000	Stcu	10	-	-
Aberdeen ...	998.2	-1	SSE 6	01f	49	62	6	3,000	Cu	9	-	-	998.7	+1	SE 6	02f	49	75	6	3,000	Cu	9	-	-
Howden ...	995.8	-6	SE 5	01f	46	92	7	2,000	St	10	-	-	993.8	-2	SE 6	0	48	92	6	2,000	Scu	10	-	-
Cranwell (Lincs) ...	995.9	-8	SE 4	02f	47	92	5	1,250	Nb	10	-	-	993.7	0	ESE 5	01f	48	85	6	1,250	Nb	10	-	-
Felixstowe ...	999.4	-5	S 5	CZ	52	75	6	5,700	Cu	8	-	-	997.4	-3	SSE 7	CZ	52	92	6	4,200	Scu	6	-	-
Shoeburyness ...	997.5	-4	SE 4	bc	53	75	6	-	-	Acu	4	-	994.5	-4	SE 5	0	50	85	6	2,000	Scu	9	-	-
Benson ...	992.3	-7	SE 5	0	51	92	4	-	Sc	10	-	-	988.8	-3	SE 4	0	51	92	4	-	St	10	-	-
S. Farnborough ...	993.2	-7	SE 4	02f	51	85	5	750	Nb	7	Acu	3	989.7	-4	SE 5	01f	53	85	5	1,250	Stcu	10	-	-
London (Kew Obs.)	994.3	-7	SE 4	01f	53	75	5	3,000	Scu	8	Acu	1	991.0	-3	SE 5	01f	54	75	6	2,000	Scu	9	-	-
Croydon ...	995.7	-6	SE 5	01f	53	75	7	1,250	Cu	8	Acu	1	991.9	-3	SSE 5	01f	53	75	6	1,250	Nb	10	-	-
7H. G.M.T. OF 1 ST																								
Renfrew ...	994.2	+2	RSE 6	02f	46	85	5	500	Sc	10	-	-	999.8	+5	RNE 7	02f	45	85	4	750	Sc	10	-	-
Eskdalemuir ...	994.2	+2	RSE 6	02f	46	85	5	500	Sc	10	-	-	999.8	+5	RNE 7	02f	45	85	4	750	Sc	10	-	-
Valencia (Cable'n)	991.9	0	WNW 5	02f	49	92	4	1,250	Sc	10	-	-	990.4	-2	NW 5	02f	47	75	8	3,000	Sc	10	-	-
Baldonnel ...	991.2	2	WNW 3	02f	42	92	4	1,250	Sc	10	-	-	990.4	-2	NW 3	02f	47	75	8	3,000	Sc	10	-	-
Manchester (A.M.P.)	992.2	2	WNW 3	02f	42	92	4	1,250	Sc	10	-	-	990.4	-2	NW 3	02f	47	75	8	3,000	Sc	10	-	-
Ross on Wye ...	989.2	+1	WNW 3	02f	42	92	4	1,250	Sc	10	-	-	990.4	-2	NW 3	02f	47	75	8	3,000	Sc	10	-	-
Falmouth ...	989.2	+1	WNW 3	02f	42	92	4	1,250	Sc	10	-	-	990.4	-2	NW 3	02f	47	75	8	3,000	Sc	10	-	-
Calshot (Hants) ...	989.2	+1	WNW 3	02f	42	92	4	1,250	Sc	10	-	-	990.4	-2	NW 3	02f	47	75	8	3,000	Sc	10	-	-
Lymington (Folkestone)	991.6	-2	SSE 6	02f	47	85	4	1,250	Sc	10	-	-	992.8	+2	SSE 5	01f	45	85	4	500	Sc	10	-	-
Aberdeen ...	993.7	+4	RSE 6	02f	47	92	3	750	Nb	10	-	-	996.4	+2	RSE 6	02f	45	85	4	750	Sc	10	-	-
Howden ...	992.6	0	E 5	02f	45	92	5	1,250	Nb	10	-	-	995.2	+2	E 4	02f	43	92	5	750	Nb	10	-	-
Cranwell (Lincs) ...	992.6	0	E 5	02f	45	92	5	1,250	Nb	10	-	-	995.2	+2	E 4	02f	43	92	5	750	Nb	10	-	-
Felixstowe ...	992.6	0	E 5	02f	45	92	5	1,250	Nb	10	-	-	995.2	+2	E 4	02f	43	92	5	750	Nb	10	-	-
Shoeburyness ...	992.6	0	E 5	02f	45	92	5	1,250	Nb	10	-	-	995.2	+2	E 4	02f	43	92	5	750	Nb	10	-	-
Benson ...	992.6	0	E 5	02f	45	92	5	1,250	Nb	10	-	-	995.2	+2	E 4	02f	43	92	5	750	Nb	10	-	-
S. Farnborough ...	992.6	0	E 5	02f	45	92	5	1,250	Nb	10	-	-	995.2	+2	E 4	02f	43	92	5	750	Nb	10	-	-
London (Kew Obs.)	992.6	0	E 5	02f	45	92	5	1,250	Nb	10	-	-	995.2	+2	E 4	02f	43	92	5	750	Nb	10	-	-
Croydon ...	992.6	0	E 5	02f	45	92	5	1,250	Nb	10	-	-	995.2	+2	E 4	02f	43	92	5	750	Nb	10	-	-
STATIONS CONTRIBUTING REPORTS AT 7H. AND 13H.																								
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.					
13H. G.M.T. OF 31 ST																								
Lerwick ...	1005	+2	SE 3	Cm	1013.6	+14	47	-3	SE	8	SE	5	1005.6	+9	SE	8	14	-3	SE	8	SE	5	1005.6	+9
Stornoway ...	991.4	47	S 5	0	1003.6	+9	46	-5	E	6	-	0	991.4	47	S 5	0	1003.6	+9	46	-5	E	6	-	0
Castell Bay (Barrils)	990.4	+5	NW 3	0	999.2	-8	52	-	E	5	-	0	990.4	+5	NW 3	0	999.2	-8	52	-	E	5	-	0
Malin Head ...	988.4	47	NE 1	0	991.6	+3	49	+2	RSE	4	-	0	988.4	47	NE 1	0	991.6	+3	49	+2	RSE	4	-	0
Blacksod Point	988.8	47	NW 2	bc	991.3	+2	47	+2	NNW	5	-	0	988.8	47	NW 2	bc	991.3	+2	47	+2	NNW	5	-	0
Roches Point ...	989.1	47	NW 3	b	991.2	+1	45	-1	NW	3	-	0	989.1	47	NW 3	b	991.2	+1	45	-1	NW	3	-	0
Birr Castle ...	989.2	45	NW 1	0	989.8	-	43	-1	NW	1	-	0	989.2	45	NW 1	0	989.8	-	43	-1	NW	1	-	0
Donaghadee ...	988.6	46	W 2	omr	991.1	+5	50	-6	E	4	-	0	988.6	46	W 2	omr	991.1	+5	50	-6	E	4	-	0
Liverpool (Bidston)	987.0	50	ESE 5	0	992.2	+14	44	+3	RSE	4	E	0	987.0	50	ESE 5	0	992.2	+14	44	+3	RSE	4	E	0
Holyhead ...	984.1	50	SSE 4	01f	990.2	+4	48	-3	SE	4	-	0	984.1	50	SSE 4	01f	990.2	+4	48	-3	SE	4	-	0
Pembroke (St. Ann's Head)	986.1	47	NW 3	01f	990.5	+2	46	-4	-	0	SE	0	986.1	47	NW 3	01f	990.5	+2	46	-4	-	0	SE	0
Scilly (St. Mary's)	988.6	48	NW 4	bc	990.8	+1	45	-5	NNW	1	NW	0	988.6	48	NW 4	bc	990.8	+1	45	-5	NNW	1	NW	0
Portland Bill ...	988.1	52	W 4	adp	988.4	0	46	-7	NNE	3	-	0	988.1	52	W 4	adp	988.4	0	46	-7	NNE	3	-	0
Dunageen ...	985.7	56	WSW 5	0	989.2	+3	48	-7	N	3	N	0	985.7	56	WSW 5	0	989.2	+3	48	-7	N	3	N	0
Wick ...	993.1	53	S 6	Cg	991.2	+1	48	0	SSE	5	S	0	993.1	53	S 6	Cg	999							

SYNOPTIC CHART FOR MORNING OF MONDAY, 1ST NOVEMBER, 1920.



ALPHABETIC CODE FOR SURFACE VISIBILITY (PAGE 1 & 2).				
Very Bad	Objects not visible: at	50 metres (or yards)		
Very Poor	"	200	"	"
Insufficient	"	1,000	"	"
Poor	"	2,000	"	"
Good	"	4,000	"	"
Very Good	"	7,000	"	"
Excellent	"	12,000	"	4-8 miles
	Objects visible beyond	20,000	"	7-8 "
	Exceptional visibility	20,000	"	12-4 "
			"	12-4 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. NO. 306.

Monday,
1st November

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. 12h-18h. 30 th 1st	Day. 9h-18h. 31 st	Sunrise to Sunset. 31 st			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-18h. 30 th 1st	Day. 9h-17h. 31 st	Sunrise to Sunset. 31 st
Scotland.	Oban								England, N.W.	Douglas (I.O.M.)							
	Banff	cq	o	50	46	0.1	-	0.5		Blackpool	c	o	52	42	0.1	-	2.7
	Montrose									Southport	c.o	c.o	51	41	-	-	0.3
	St. Andrews ...									Morecambe							
England, N.E.	Harrogate	c.o	o/p	46	29	-	0.1	0.0	Midlands.	Buxton							
	Scarborough ...									Leamington Spa...	o	o/p	52	38	-	1	0.0
	Skegness									Malvern							
England, E.	Lowestoft	c.o/p	o.c.o.c.b	52	42	0.4	-	0.0	Wales.	Bath	o	o/p	54	40	-	5	0.1
	Felixstowe	o	c	52	44	-	-	1.4		Rhyl	b.c.c.h	ch	52	45	-	0.4	2.9
	Southend-on-Sea...	o	b.c.c.o	54	35	-	-	3.3		Colwyn Bay	*	*	52	48	-	2	1.3
England, S.E.	Tunbridge Wells	o.c	c.o	54	31	-	-	0.6	England, S.W.	Llandudno	*	*	55	47	0.2	1	2.1
	Margate	o	b.c	54	?	-	-	1.8		Aberystwyth ...							
	Ramsgate	*	*							Tenby							
	Folkestone	o	c	55	41	-	-	0.5		Swansea							
	Hastings	o.c	b.c.c.o	56	43	-	-	2.6		Weymouth	o/p.o	o.m.c	57	50	-	?	0.0
	Eastbourne	o	c.o	56	45	-	-	0.8	Teignmouth ...								
	Brighton	o/p	o/p	56	44	-	-	0.0	Torquay	o/p.r	o.b.c.e	57	48	0.4	9	1.0	
	Worthing	c.o	o	57	46	-	-	0.2	Paignton								
	Littlehampton ...								Penzance	o/p	o.c.b.c	51	47	14	5	2.0	
	Portsmouth (S' thaca)	*	*	56	45	-	1	0.0	Newquay	o/p	o/p.ch	51	47	11	13	0.3	
	Bournemouth ...	*	*	54	49	-	3	0.0	Bude	*	*	54	43	3	27	0.0	
	Ventnor (I. of W.)	*	*	55	47	-	3	0.0	Ilfracombe								
									Weston-s-Mare ...	b.c.f.b.c	*	56	46	-	11	0.3	

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				TEMPERATURE.		Rainfall.	Sun.
	7h-12h.	12h-18h.	18h-12h.	12h-7h.	Max. Temp. F.	Min. Temp. F.		
Renfrew ...	o/p.g	o/p.g	c.o.g	o/p.g	53	45	1.9	1.9
Eskdalemuir ...	b.c.e/p.g	o.o.f	o.o.f	o.o.f	48	40	0.4	0.4
Valencia (Cahire'n)	c.o.h	b.c.c	c.o.p	c.o.p	50	44	3	3.2
Baldonnel ...	o.p.r	o.p.r	o.p.r	c.p.r	48	39	2	0.0
Manchester (Alex. Pk.)	3	o/p.g	o.p.g	o.p.g	51	41	3	4
Ross on Wye ...	b.c.o.g.o/p	o.p.g	o.p.g	o.p.g	53	42	2	0.1
Falmouth ...	r.r.R.R.	h.c.c.b.c	h.c.c.b.c	o.p.g	53	40	13	0.4
Calshot (Hants)...	h.o.o/p	o/p.r	o.p.r	o.p.g	55	44	5	0.0
Lymington (Folkestone)	o/p.g	c.o.g	o.p.g	o.p.g	53	44	4	0.4
Aberdeen ...	h.g	o/p.g	g.p	g.p	50	45	42	0.4
Howden ...	b.c.c.o	o/p	h.g	g.p	50	35	29	0.4
Cranwell (Lincs) ...	o.p.d.o	o/p	h.g	h.g	51	30	41	0.0
Felixstowe ...	b.c.c.o	z.b.c.o/p	g.p.c.o/p	g.p.c.o/p	53	44	0.2	0.8
Shoeburyness ...	b.c.c	b.c.c	g.p.c	g.p.c	54	42	40	2.2
Benson ...	h.g	h.g	h.g	h.g	54	39	38	25
S. Farnborough ...	c.o.p.g	h.d.o	h.d.o	h.d.o	53	36	41	13
London (New Obs.)	h.c.o/p	h.c.o	h.c.o	h.c.o	54	35	46	0.2
Croydon ...	o/p.g	o/p.g	o/p.g	o/p.g	55	43	4	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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Statute miles per hour.	Miles per second.
0	Less than 1	Less than 0.9
1	1-3	0.9-1.3
2	4-7	1.3-2.0
3	8-12	2.0-3.4
4	15-18	3.4-5.0
5	19-24	5.0-6.7
6	25-31	6.7-8.6
7	32-38	8.6-10.7
8	39-46	10.7-12.8
9	47-54	12.8-15.0
10	55-63	15.0-17.6
11	64-75	17.6-20.8
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.	HUMIDITY %	
	Morning.	Afternoon.	Night.	Max. Temp. F.	Min. Temp. F.			15 h. G.M.T.	9 h. G.M.T.
Greenwich (Royal Observatory)	o/p	o.o/p	o.p.o	54	43	40	5	1.6	78
City (Bunhill Row)	*	*	*	54	43	41	-	8.90-4	69
Westminster (St. James's Park)	*	*	*	54	43	41	-	8.90-4	69
Camden Sq. (British Rainfall)	*	*	*	55	43	42	4	*	94
Kensington Palace	o/p.b.c	o.o/p	o	55	40	45	4	76(18h)	94
Hampstead Observatory	*	*	*	52	40	44	5	5.4	94

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	HOURS.	
	15 h. G.M.T.	9 h. G.M.T.
Total	5.58	9.0
Average Rate.	1.59	
Maximum Rate.	2.26	

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

STATIONS.	1st and 2nd NOVEMBER 1920.		
	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth...	6.50	11.37	4.34
Greenwich	6.52	11.37	4.31
Wick	7.30	11.56	4.23
Valencia	7.37	12.23	5.11

Photographic Record of

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

Exposure from 11.30 p.m. to 11.45 p.m.

Stars.	Duration of Exposure.	Duration of Record.
Polaris	12 30	0 10
δ Ursae Minoris	12 30	0 15

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell very generally, the quantity being large in many places, - 50 mm at Donaghadee, 29 mm at Holyhead, 27mm at Benson, 18mm at Castlebay, and 16mm at Portland Bill. Very little or no bright sunshine was recorded except at some Scottish stations; at Nairn the record was 6.9 hours. Temperature rose to between 50° and 55° except at some Northern and Western stations. South-Easterly gales were experienced on most parts of our Eastern and Southern coasts.

* Information for these columns not usually received.

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



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 2,530

TUESDAY, 2ND NOVEMBER, 1920.

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

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.																											
STATIONS.	12H. G.M.T. OF 1 ST NOV.														12H. G.M.T. OF 2 ND NOV.												
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather.	Temp. °F.	Humidity %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather.	Temp. °F.	Humidity %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	
Renfrew ...	1006.5	+5	ENE	7	09	46	75	7	3000	St. Cl.	10	-	-	1011.3	+4	NE	4	02f	45	75	5	3000	St. Cl.	10	-	-	9
Esksdalemuir ...	1006.3	+4	ENE	4	0	41	75	5	2000	St.	10	-	-	1011.0	+7	NE	4	02f	41	75	5	-	Nb	10	-	-	9
Valencia (Cahire's) ...	996.4	+6	ENE	4	b	51	75	8	2000	Cl.	3	-	-	1005.4	+9	-	0	b	45	55	8	3000	St. Cl.	1	-	-	4
Baldonnel ...	993.7	+7	E	6	01f	50	92	6	1250	St. Cl.	10	-	-	1005.9	+6	NE	3	03f	49	75	3	750	St.	10	-	-	9
MANCHESTER (Alex. P.) ...	999.9	+5	E	6	02f	46	85	4	750	Nb	10	-	-	1005.6	+7	E	6	02f	45	85	6	750	St.	10	-	-	9
Ross on Wye ...	995.5	+4	NE	5	02f	45	92	6	1250	Nb	10	-	-	1002.1	+7	ENE	4	0	47	85	6	1250	St.	10	-	-	9
Falmouth ...	993.3	+3	N	3	c	53	65	8	-	Cl. N	4	A. St.	4	995.2	+6	NNE	2	05	47	92	7	-	St.	9	-	-	9
Calshot (Hants) ...	993.2	+2	E	5	0f	52	92	6	1250	Nb	10	-	-	999.7	+5	E	5	01f	49	85	7	2000	St. Cl.	10	-	-	4
Lymington (Folkestone) ...	996.4	+4	E	5	0m	47	95	6	5700	St. Cl.	9	A. St.	1	1000.6	+4	ENE	4	cm, q.	46	85	5	2000	St. Cl.	8	-	-	9
Aberdeen ...	1011.4	+2	SE	5	01f	45	65	7	1250	St.	10	-	-	1014.4	+4	SE	4	01f	45	65	7	1250	St.	10	-	-	6
Howden ...	1001.8	+3	E	5	0f, q.	54	92	5	1250	Nb	10	-	-	1001.9	+9	ENE	3	0q	44	92	5	2000	St.	9	-	-	9
Cranwell (Lincs) ...	1000.3	+2	ENE	4	0f.	45	92	6	750	Nb	10	-	-	1005.7	+6	ENE	4	02f	44	92	5	750	St.	10	-	-	9
Felixstowe ...	1000.0	+2	ENE	5	0	49	92	6	5700	St. Cl.	8	A. Cl.	1	1004.1	+7	E	5	b	48	85	6	-	-	A. St.	1	-	9
Shoeburyness ...	997.5	+3	SE	4	0	49	75	7	3000	St. Cl.	4	A. Cl.	4	1002.1	+5	E	4	b	47	85	7	4200	St. Cl.	2	-	-	9
Benson ...	995.2	+4	ENE	4	0	49	85	4	-	St.	10	-	-	1001.3	+3	ENE	3	bc	45	85	4	-	St.	5	-	-	9
S. Farnborough ...	995.0	+4	ENE	3	0	49	85	6	1250	Nb	10	-	-	1000.9	+7	ENE	3	b	45	92	6	1500	St.	3	-	-	9
London (New Obs.) ...	996.1	+5	ENE	5	03f	49	85	3	2000	St.	9	A. St.	1	1001.8	+9	NE	4	bc	48	75	4	5700	St.	6	-	-	9
Croydon ...	996.0	+4	ENE	5	02f	48	92	4	1250	Nb	9	A. St.	1	1002.2	+6	ENE	4	bc, f.	45	85	4	2000	St.	3	A. Cl.	1	9
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																											
STATIONS.	7H. G.M.T. OF 1 ST NOV.														7H. G.M.T. OF 2 ND NOV.												
	Barom. at M.S.L. mb.	Temp. °F.	Wind. Direc.	Force 0-12.	Weather.	Barometer. at M.S.L. mb.	Change in 3 hours.	Temperature. °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.	WEATHER.			Sunshine Hours.						
																		Morning.	Afternoon.	Night.							
Lerwick ...	1017.7	48	ESE	8	bcm	1017.7	-1	48	41	SSE	7	SE	09	6	-	50	45	bc	bcm	c.og	4						
Stornoway ...	1011.0	46	SE	4	b	1011.0	0	43	-3	SSE	5	SE	0	2	-	49	37	abc	b.c.b	3.0	6.2						
Castlebay (Barra) ...	1010.5	49	E	4	b	1010.5	0	50	-2	SSE	5	SE	0	5	-	52	49	abc	bcb	3.0	4.7						
Malin Head ...	1007.7	47	E	4	o	1011.0	0	49	41	S	2	-	om	2	-	54	52	bc	bc	om	4						
Blackod Point ...	1005.7	50	E	3	bc	1012.4	+2	50	45	NW	1	-	o	2	-	53	45	po bc	bcc	om	4						
Roche's Point ...	1003.2	50	NE	2	c	1012.4	0	47	44	NE	1	-	o	2	-	53	45	o.c	o3	o3	4.6						
Burr Castle ...	1004.6	50	NE	1	o	1012.4	0	47	44	NE	1	-	o	2	-	53	45	o.c	o3	o3	4.6						
Donaghadee ...	1004.3	48	SE	7	o	1013.6	+1	46	-4	E	3	-	bcm	3	-	51	47	omq	omq	omq	4.6						
Liverpool (Bidston) ...	1005.4	46	ENE	5	o	1013.1	+2	40	-4	E	1	-	bc	2	-	47	39	opm	og	opm	0.0						
Holyhead ...	1004.4	49	E	6	ogq	1012.6	+1	44	-4	ENE	4	-	bc	2	-	49	43	ogq	ogq	a.b.c.3	1.3						
Pembroke (St. Mary's) ...	1001.1	49	NE	3	ev	1012.0	+3	42	-4	NE	1	-	bc	2	-	54	42	cn	cv	cv.a.b.c.3	1.8						
Scilly (St. Mary's) ...	996.5	49	ENE	2	c	1009.9	+4	57	16	NE	3	NE	c	4	-	51	45	cbp	bcpc	g.p.a.c	5.0						
Jersey (St. Aubin) ...	996.2	50	NE	3	b	1005.6	+2	48	42	NE	4	NE	c	3	-	52	45	orbo	oab	b.a.o.c	1.0						
Portland Bill ...	996.2	49	NE	5	bc	1007.0	+4	43	-5	NE	6	NE	bc	5	-	55	40	ir	oc	g.p.b.c.3	1.0						
Dungeness ...	999.3	50	ENE	4	b	1006.3	+3	45	-3	NE	5	NE	bc	4	-	52	44	cpc	c.p.bc	c.b.b.c	1.0						
Wick ...	1013.5	47	SE	5	omq	1014.5	0	47	0	SSE	5	-	omq	5	-	48	42	omq	omq.p	omq	1.8						
Nairn ...	1013.3	40	E	1	bc	1014.6	0	29	-15	-	0	-	bc	0	-	46	28	caqm	cbcm	bc	1.8						
Leith ...	1013.0	46	E	2	o	1014.7	0	45	-1	SSE	1	-	o	2	-	46	44	o.c.o	a.c.o	om.o	1.8						
Tynemouth ...	1010.4	45	ENE	4	o	1015.0	0	45	0	L	3	-	om	4	-	46	42	omq	om	om	1.8						
Spurn Head ...	1005.7	46	E	6	bcq	1014.2	+2	45	-1	NE	4	-	o	4	-	51	42	omq	oa	bc.p.c.o	1.1						
Yarmouth (Der. House) ...	1004.3	45	ENE	5	b	1014.2	+1	42	-3	ENE	5	-	bc	3	-	47	41	caq	ba	bc.p.c.o	1.1						
Clacton-on-Sea ...	1002.3	50	ENE	4	bc	1013.2	+2	38	-3	N	3	-	bc	2	-	50	36	ogrc	cbc	bc.b.c	1.1						
Nottingham ...	1005.4	45	E	3	o	1012.4	0	43	-1	NNE	2	NE	o	4	-	47	42	ob	o	o	0.0						

Information for these columns not usually received.

† The barometric change is expressed in half millibars.

§ For code see page 3

† See footnote p. 4.

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 2.11.1920.

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

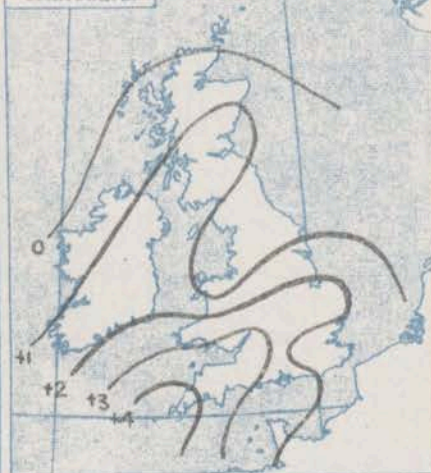
Temperature reported from Coastal and Cross Channel Steamers.

Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
5	1 st Nov.	09/10	54	48
6	1 st "	1530	57	53

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 for 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 italics per hour by figures in small circles.

TEMPERATURE.—Temperature is given in degrees F.

WEATHER SYMBOLS.—

- clear sky.
- sky & cloud.
- overcast sky.
- snow.
- fog.
- thunder.
- sea disturbance.
- rough.
- high.
- rain falling.
- hail.
- mist.
- thunderstorm.

GENERAL INFERENCE from observations received up to 9h.

An anticyclone has spread over these Islands from Scandinavia while the depressions of yesterday have passed away to Southern France. Fair, rather cold weather, with the wind mainly between N.E. and S.E., is probable for a time.

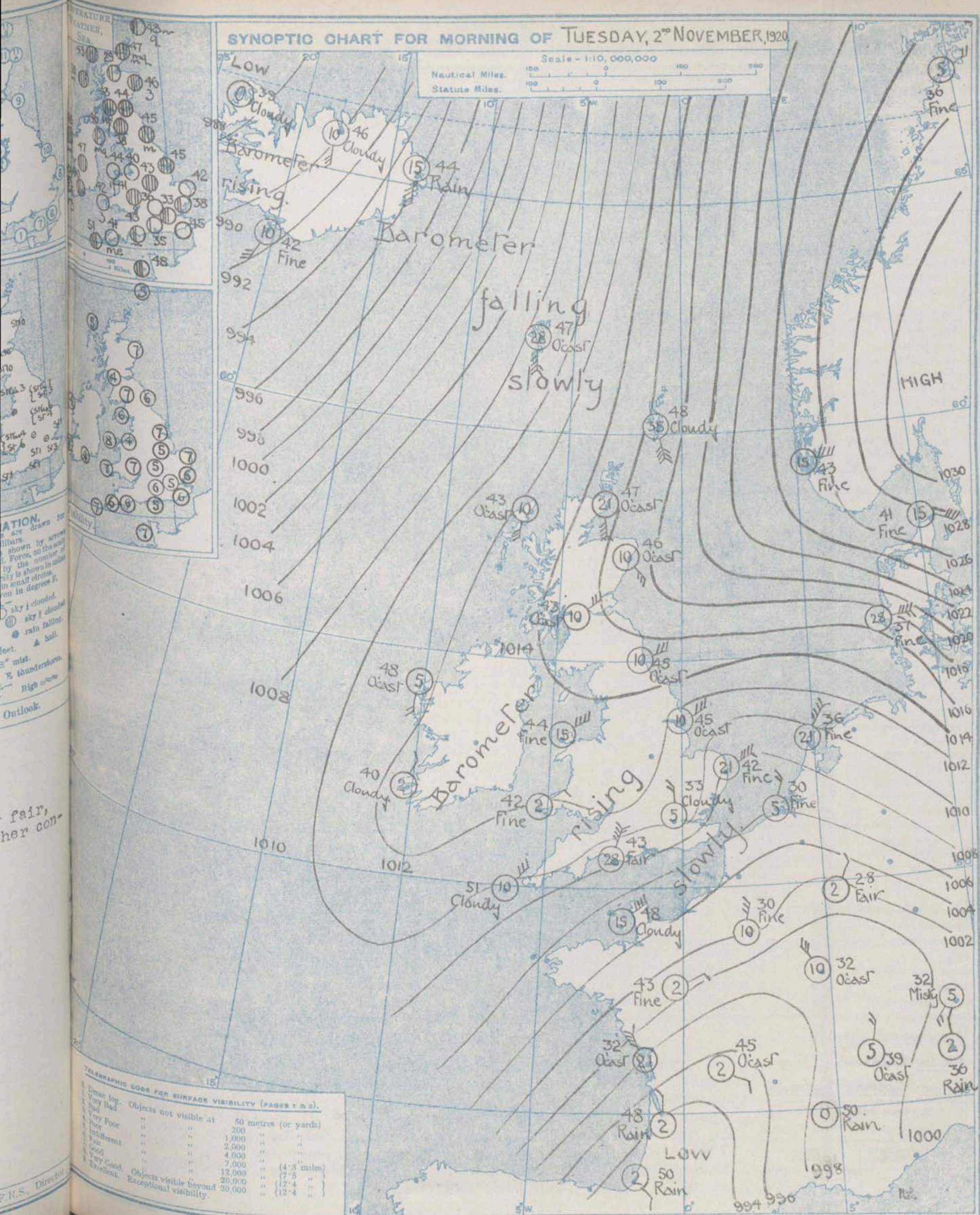
Further Outlook.

Districts.	Forecast for the 24 hours commencing 15h. G.M.T. Tuesday, 2nd November, 1920.
1. S.E. England	Wind from N.E. or E., light or moderate, fresh locally; fair generally, cloudy at times, visibility fair or good; temperature rather low; local frost at night.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind mainly South-Easterly, light or moderate, stronger locally; fair or cloudy, visibility mainly fair; temperature rather low; local frost at night.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	Wind between S.E. and N.E., light or moderate; fair or cloudy, visibility fair or good; moderate or rather low temperature; local ground frost at night.
19. S.E. Ireland	
20. S.W. Ireland	

Mainly fair, cold weather continuing.

SYNOPTIC CHART FOR MORNING OF TUESDAY, 2ND NOVEMBER, 1920.

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



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

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

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

Tuesday
2nd November

Surface

8000 feet.

25

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



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 2431

Wednesday, 3rd NOVEMBER.....1920.

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

STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.		
			Dirce.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Dirce.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.		Form.	Amt. 0-10.
			12H. G.M.T. OF 2nd														18H. G.M.T. OF 2nd													
Renfrew ...	1014.3	-3	ESE	3	02f	46	65	4	3000	ScCu	10	-	-	-	1013.1	-0	E	3	02f	44	75	4	3000	-	-	-	-	-		
Eskdalemuir ...	1014.1	-1	ENE	3	0	42	85	6	3000	ScCu	10	-	-	-	1012.6	-1	ENE	1	0	40	85	6	-	ScCu	10	-	-	-	-	
Valencia (Cahire'n)	1011.6	-3	SSE	1	01f	51	92	7	2000	St.	2	A.Sr	8	3	1009.1	-2	SSE	3	01f	50	92	7	1250	St.	4	A.Sr	6	3		
Baldonnel ...	1012.6	0	SE	1	02f	45	95	5	2000	St.	10	-	-	-	1011.1	0	SE	1	02f	46	85	5	750	St.	10	-	-	-	-	
Manchester (Alex Rk)	1012.0	-2	NE	3	02f	45	65	4	3000	St.Cu	9	-	-	-	1011.2	-1	NE	3	02f	42	76	4	2000	St.	10	-	-	-	-	
Ross on Wye ...	1011.0	-2	NE	3	b2	47	75	5	4200	Cu	2	Cl	1	-	1011.1	0	ENE	2	02f	39	85	4	1250	St.	10	-	-	-	-	
Falmouth ...	1010.9	0	NW	2	b	55	75	7	-	-	-	ClCu	1	-	1010.7	0	N	3	b1f	46	97	6	-	St.	1	-	-	-	-	
Calshot (Hants) ...	1009.5	0	NE	4	c	45	75	7	4200	St.Cu	7	-	-	3	1010.4	+3	NE	3	01f	43	76	7	1250	St.Cu	10	-	-	-	3	
Lympe (Folkestone)	1006.9	0	NNE	5	02f	46	75	6	2000	St.Cu	8	-	-	-	1009.3	0	N	4	bm	40	85	6	3000	St.Cu	3	-	-	-	-	
Aberdeen ...	1016.0	-1	SE	4	01f	48	85	7	2000	St.	10	-	-	4	1014.7	-1	SE	4	01f	48	65	7	2000	St.	10	-	-	-	4	
Howden ...	1011.9	-1	N	2	02f	45	75	6	3000	St.Cu	10	-	-	-	1010.9	0	-	0	02f	42	92	4	3000	St.	10	-	-	-	-	
Cranwell (Lincs)	1011.5	-2	N	3	01f	44	85	6	3000	St.	4	A.Sr	6	-	1011.3	0	NNE	2	02f	42	85	5	3000	St.Cu	10	-	-	-	-	
Felixstowe ...	1009.1	-1	NE	2	b1f	47	85	7	5700	Cu	1	-	-	-	1010.1	+2	NNE	3	b1f	37	97	5	-	-	-	-	-	-	-	
Shoeburyness ...	1009.3	0	NNE	3	bc	46	75	7	3000	Cu	4	-	-	-	1008.4	0	-	0	bm	36	92	7	-	-	-	-	-	-	-	
Benson ...	1009.4	-2	NNE	4	0	43	75	6	-	Cu	10	-	-	-	1010.4	0	NNE	2	0	42	75	6	-	-	-	-	-	-	-	
S. Farnborough	1009.7	-2	NNE	3	0	44	75	6	2000	St.Cu	9	-	-	-	1010.1	+1	NNE	3	bm	40	85	5	1250	St.Cu	10	-	-	-	-	
London (Kew Obsv.)	1009.2	-3	N	3	bc2f	45	65	5	5700	Cu	5	-	-	-	1009.6	+1	NNW	2	b2	42	75	5	-	-	-	-	-	-	-	
Croydon ...	1009.6	-1	NNE	5	bc2f	45	75	4	2000	St.Cu	6	-	-	-	1009.9	+1	N	3	bc2f	42	85	3	3000	St.	6	-	-	-	-	
1H. G.M.T. OF 3rd															7H. G.M.T. OF 3rd															
Renfrew ...	1014.4	-1	ANA	2	0	59	95	6	-	St.Cu	10	-	-	-	1011.0	0	-	0	02f	41	92	3	2000	St.	10	-	-	-	-	
Eskdalemuir ...	1014.1	-1	ANA	2	0	57	95	6	-	St.Cu	10	-	-	-	1011.2	0	ENE	1	02f	39	95	5	2000	St.	10	-	-	-	-	
Valencia (Cahire'n)	1011.6	-3	ESE	1	01f	51	92	7	2000	St.	2	A.Sr	8	3	1009.1	-2	SSE	3	01f	50	92	7	1250	St.	4	A.Sr	6	3		
Baldonnel ...	1012.6	0	SE	1	02f	45	95	5	2000	St.	10	-	-	-	1011.1	0	SE	1	02f	46	85	5	750	St.	10	-	-	-	-	
Manchester (Alex Rk)	1012.0	-2	NE	3	02f	45	65	4	3000	St.Cu	9	-	-	-	1011.2	-1	NE	3	02f	42	76	4	2000	St.	10	-	-	-	-	
Ross on Wye ...	1011.0	-2	NE	3	b2	47	75	5	4200	Cu	2	Cl	1	-	1011.1	0	ENE	2	02f	39	85	4	1250	St.	10	-	-	-	-	
Falmouth ...	1010.9	0	NW	2	b	55	75	7	-	-	-	ClCu	1	-	1010.7	0	N	3	b1f	46	97	6	-	St.	1	-	-	-	-	
Calshot (Hants) ...	1009.5	0	NE	4	c	45	75	7	4200	St.Cu	7	-	-	3	1010.4	+3	NE	3	01f	43	76	7	1250	St.Cu	10	-	-	-	3	
Lympe (Folkestone)	1006.9	0	NNE	5	02f	46	75	6	2000	St.Cu	8	-	-	-	1009.3	0	N	4	bm	40	85	6	3000	St.Cu	3	-	-	-	-	
Aberdeen ...	1016.0	-1	SE	4	01f	48	85	7	2000	St.	10	-	-	4	1014.7	-1	SE	4	01f	48	65	7	2000	St.	10	-	-	-	4	
Howden ...	1011.9	-1	N	2	02f	45	75	6	3000	St.Cu	10	-	-	-	1010.9	0	-	0	02f	42	92	4	3000	St.	10	-	-	-	-	
Cranwell (Lincs)	1011.5	-2	N	3	02f	44	85	6	3000	St.	4	A.Sr	6	-	1011.3	0	NNE	2	02f	42	85	5	3000	St.Cu	10	-	-	-	-	
Felixstowe ...	1009.1	-1	NE	2	b1f	47	85	7	5700	Cu	1	-	-	-	1010.1	+2	NNE	3	b1f	37	97	5	-	-	-	-	-	-	-	
Shoeburyness ...	1009.3	0	NNE	3	bc	46	75	7	3000	Cu	4	-	-	-	1008.4	0	-	0	bm	36	92	7	-	-	-	-	-	-	-	
Benson ...	1009.4	-2	NNE	4	0	43	75	6	-	Cu	10	-	-	-	1010.4	0	NNE	2	0	42	75	6	-	-	-	-	-	-	-	
S. Farnborough	1009.7	-2	NNE	3	0	44	75	6	2000	St.Cu	9	-	-	-	1010.1	+1	NNE	3	bm	40	85	5	1250	St.Cu	10	-	-	-	-	
London (Kew Obsv.)	1009.2	-3	N	3	bc2f	45	65	5	5700	Cu	5	-	-	-	1009.6	+1	NNW	2	b2	42	75	5	-	-	-	-	-	-	-	
Croydon ...	1009.6	-1	NNE	5	bc2f	45	75	4	2000	St.Cu	6	-	-	-	1009.9	+1	N	3	bc2f	42	85	3	3000	St.	6	-	-	-	-	
1H. G.M.T. OF 3rd															7H. G.M.T. OF 3rd															
Renfrew ...	1014.4	-1	ANA	2	0	59	95	6	-	St.Cu	10	-	-	-	1011.0	0	-	0	02f	41	92	3	2000	St.	10	-	-	-	-	
Eskdalemuir ...	1014.1	-1	ANA	2	0	57	95	6	-	St.Cu	10	-	-	-	1011.2	0	ENE	1	02f	39	95	5	2000	St.	10	-	-	-	-	
Valencia (Cahire'n)	1011.6	-3	ESE	1	01f	51	92	7	2000	St.	2	A.Sr	8	3	1009.1	-2	SSE	3	01f	50	92	7	1250	St.	4	A.Sr	6	3		
Baldonnel ...	1012.6	0	SE	1	02f	45	95	5	2000	St.	10	-	-	-	1011.1	0	SE	1	02f	46	85	5	750	St.	10	-	-	-	-	
Manchester (Alex Rk)	1012.0	-2	NE	3	02f	45	65	4	3000	St.Cu	9	-	-	-	1011.2	-1	NE	3	02f	42	76	4	2000	St.	10	-	-	-	-	
Ross on Wye ...	1011.0	-2	NE	3	b2	47	75	5	4200	Cu	2	Cl	1	-	1011.1	0	ENE	2	02f	39	85	4	1250	St.	10	-	-	-	-	
Falmouth ...	1010.9	0	NW	2	b	55	75	7	-	-	-	ClCu	1	-	1010.7	0	N	3	b1f	46	97	6	-	St.	1	-	-	-	-	
Calshot (Hants) ...	1009.5	0	NE	4	c	45	75	7	4200	St.Cu	7	-	-	3	1010.4	+3	NE	3	01f	43	76	7	1250	St.Cu	10	-	-	-	3	
Lympe (Folkestone)	1006.9	0	NNE	5	02f	46	75	6	2000	St.Cu	8	-	-	-	1009.3	0	N	4	bm	40	85	6	3000	St.Cu	3	-	-	-	-	
Aberdeen ...	1016.0	-1	SE	4	01f	48	85	7	2000	St.	10	-	-	4	1014.7	-1	SE	4	01f	48	65	7	2000	St.	10	-	-	-	4	
Howden ...	1011.9	-1	N	2	02f	45	75	6	3000	St.Cu	10	-	-	-	1010.9	0	-	0	02f	42	92	4	3000	St.	10	-	-	-	-	
Cranwell (Lincs)	1011.5	-2	N	3	02f	44	85	6	3000	St.	4	A.Sr	6	-	1011.3	0	NNE	2	02f	42	85	5	3000	St.Cu	10	-	-	-	-	
Felixstowe ...	1009.1	-1	NE	2	b1f	47	85	7	5700	Cu	1	-	-	-	1010.1	+2	NNE	3	b1f	37	97	5	-	-	-	-	-	-	-	
Shoeburyness ...	1009.3	0	NNE	3	bc	46	75	7	3000	Cu	4	-	-	-	1008.4	0	-	0	bm	36	92	7	-	-	-	-	-	-	-	
Benson ...	1009.4	-2	NNE	4	0	43	75	6	-	Cu	10	-	-	-	1010.4	0	NNE	2	0	42	75	6	-	-	-	-	-	-	-	
S. Farnborough	1009.7	-2	NNE	3	0	44	75	6	2000	St.Cu	9	-	-	-	1010.1	+1	NNE	3	bm	40	85	5	1250	St.Cu	10	-	-	-	-	
London (Kew Obsv.)	1009.2	-3	N	3	bc2f	45	65	5	5700	Cu	5	-	-	-	1009.6	+1	NNW	2	b2	42	75	5	-	-	-	-	-	-	-	
Croydon ...	1009.6	-1	NNE	5	bc2f	45	75	4	2000	St.Cu	6	-	-	-	1009.9	+1	N	3	bc2f	42	85	3	3000							

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 3.11.20.

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

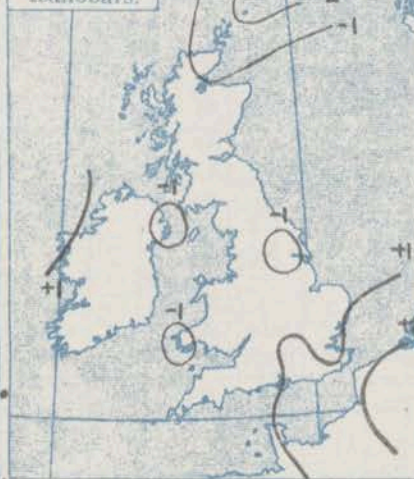
Temperature reported from Coastal and Cross Channel Steamers

Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
12	2nd	0500	57	49
4A	2nd	0650	53	47
3	2nd	0915	54	50
7	3rd	-	56	46
8	3rd	0432	54	47

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 arrow flying with the wind. Force, on the scale 0-12, is indicated by the number in the feathers. Mean velocity is shown in small circles per hour by figures in degrees F. **TEMPERATURE.**—Isobars are drawn at intervals of 1 degree F. **WEATHER SYMBOLS.**—sky & cloud, overcast sky, rain falling, snow, sleet, mist, fog, thunder, thunderstorm, sea disturbance, rough, high.

GENERAL INFERENCE from observations received up to 9h.

An anticyclone extends from Scandinavia across to the North of England and the barometric changes in progress are very slight. Mainly fair or cloudy weather, overcast at times, seems probable over the British Isles generally.

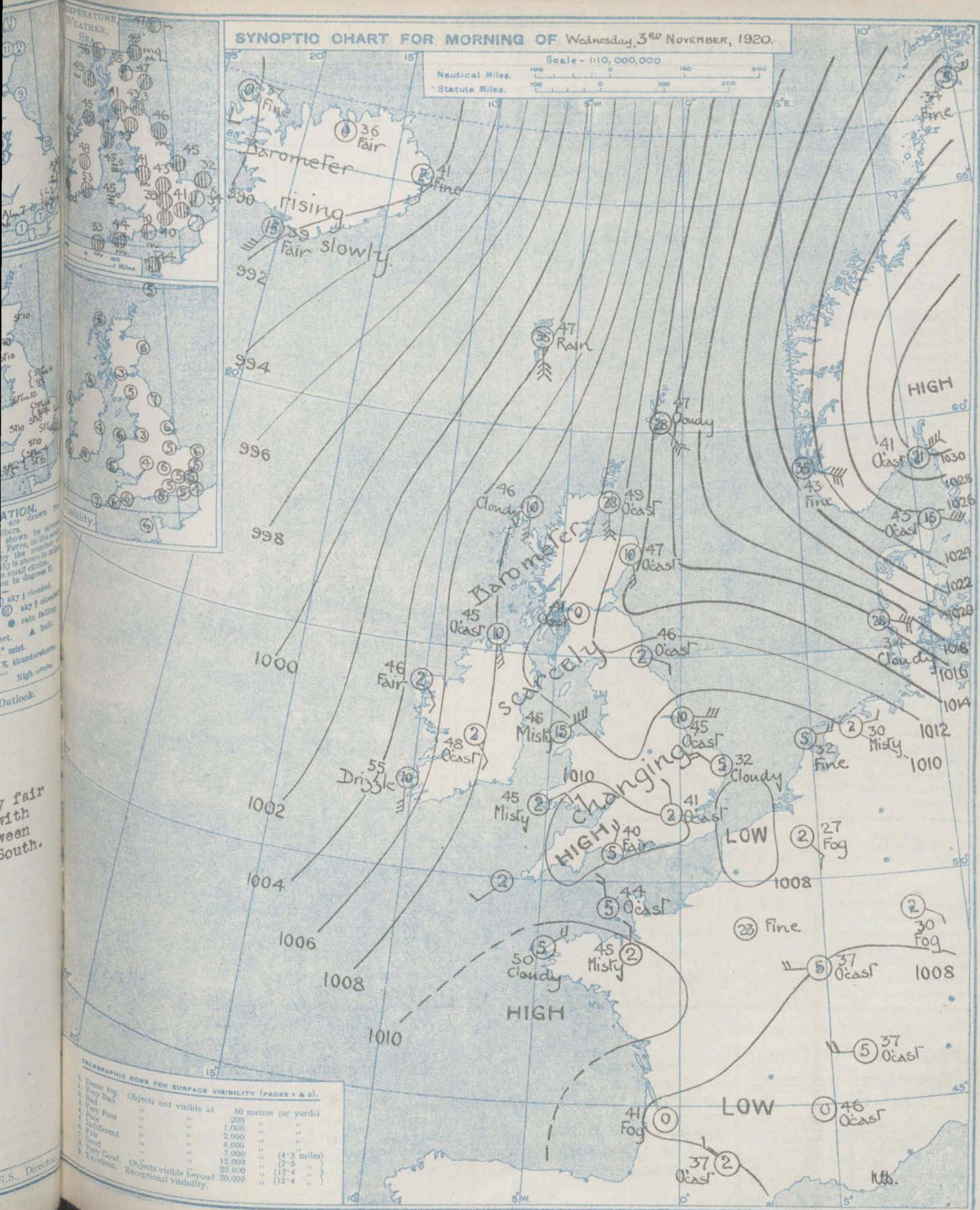
Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday 3rd November, 1920.
1. S.E. England	Wind light variable to Easterly; much cloud generally, fairer intervals, local mist. Visibility indifferent to fair. Moderate temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind mainly between East and South-East, light or moderate, cloudy or overcast to fair, local mist. Visibility indifferent then improving. Moderate temperature.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Wind mainly Southerly, moderate or light, cloudy or overcast to fairer; visibility fair. Moderate temperature.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Wind S or SE strong to moderate, cloudy to fair; moderate temperature.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Wind South or South-East, moderate or light; much cloud, some showers in West; visibility indifferent to fair; moderate temperature.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook.

Mainly fair weather, with winds between East and South.

SYNOPTIC CHART FOR MORNING OF Wednesday, 3rd November, 1920.

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



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

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 308.

Wednesday
3rd Nov 1920

WEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 2nd Nov.

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-1h.	Day. 12h-1h.	Sunrise to Sunset. 1 st -2 nd	Forenoon.			Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-1h.	Day. 12h-1h.	Sunrise to Sunset. 1 st -2 nd			
Scotland.	Oban	oc	bcc o	50	38	-	-	1.7	England, N.W.	Douglas (I.O.M.)									3.9	
	Banff	o	o	47	42	-	-	0.0		Blackpool	bc	o	48	36	-	-			5.8	
	Montrose	o	o	49	45	-	-	0.0		Southport	bcc b	bcc o	48	35	-	-			3.0	
	St. Andrews									Morcambe			47	34	-	-				
England, N.E.	Harrogate	o	o	43	40	-	-	0.0	Midlands.	Buxton									0.0	
	Scarborough	o	o	43	44	-	-	0.0		Leamington Spa...	o	o	45	37	-	-			?	
	Skedness	o	oc	46	43	-	-	0.1		Malvern	oc bc	bcc o	45	40	-	-			5.0	
	Lowestoft	bcc b	cdcc b	46	42	-	-	5.3		Bath	oc bcc b	bcc b	47	39	-	-			4.6	
England, E.	Felixstowe	bz	b	47	36	-	-	7.7	Wales.	Rhyl	bc	bcc o	47	36	-	-			5.5	
	Southend-on-Sea...	b	b	48	33	-	-	7.4		Colwyn Bay	-	-	47	39	-	-			4.3	
										Llandudno			48	38	-	-			7.5	
										Aberystwyth	cc b	bcc o	49	37	-	-				
England, S.E.	Tunbridge Wells	b	b	48	34	-	-	7.0	England, S.W.	Tenby									6.8	
	Margate	cc b	bcc	47	37	-	-	3.3		Swansea			53	39	-	-			7.6	
	Ramsgate			50	42	-	-	4.5		Weymouth	bc	bcc b	49	38	-	-			5.8	
	Folkestone	oc bc	bcc	48	41	-	-	5.0		Teignmouth	cc b	b	52	40	0.2	-			5.5	
	Hastings	bcc	bcc	47	39	-	-	5.9		Torquay	cc b	bm	50	41	-	-			5.4	
	Eastbourne	b	bcc	48	38	-	-	7.1		Paignton	cc b	b	51	39	-	-			7.6	
	Brighton	b	bcc	48	38	-	-	7.4		Penzance	b	bcc	55	44	0.3	-			7.3	
	Worthing	b	bc	46	37	-	-	7.0		Newquay	b	bo	50	42	-	-			7.0	
	Littlehampton	b	bm	48	37	-	-	7.6		Bude	cc b	b	53	37	-	-			5.0	
	Portsmouth (S. base)			47	37	-	-	6.7		Ilfracombe	bc b	b	48	43	-	-			3.0	
	Bournemouth			47	37	-	-	7.7		Weston-s-Mare	bcc bc	bcm	48	41	-	-				
	Ventnor (I. of W.)			53	38	-	-	8.5												

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass. F.	RAINFALL. †		Sun. Hours.
	7h-12h.	12h-12h.	12h-1h.	1h-7h.				Day. 7h-12h.	Night. 12h-7h.	
Renfrew ...	oif		oif. oif	o. 3f	47	40	40	mm.	mm.	0.1
Eskdalemuir ...	o	o	o	o. oif	42	37	37	-	-	0.0
Valencia (Cahire'n) ...	co. oif	oif. 12f.	o. 6f	12f.	55	40	40	3	13	0.0
Baldonnel ...	oif	oif	oif. 6f	oif. oif	48	44	44	4.1	7.8	0.0
Manchester (Alex. Pk.) ...	bcc oif	oif	oif. oif	o. 3f	47	40	40	-	-	4
Ross on Wye ...	oif bcc	bcc bcc	o. 3f	9. oif	47	35	31	-	-	4.4
Falmouth ...	oif bcc	bcc bcc	o. 3f	o	55	40	37	-	-	7.9
Calshot (Hants) ...	oif bcc	co oif	oif. 6f	o. 3f	47	36	30	-	-	5.3
Lymington (Folkestone) ...	bcc oif	oif	oif. 6f	o. 3f	47	31	28	-	-	4.4
Aberdeen ...	oif	oif	oif	oif	40	46	40	-	-	0.0
Howden ...	oif	oif	oif	oif	46	40	39	-	-	0.0
Cranwell (Lines) ...	oif	oif	oif	oif	44	39	39	-	-	0.0
Felixstowe ...	oif bcc	bcc bcc	o. 3f	o. 3f	48	32	3	-	-	7.6
Shoeburyness ...	bcc bcc	bcc bcc	o	o	47	31	26	-	-	7.0
Benson ...	oif	oif	oif	oif	49	34	38	-	-	4.7
S. Farnborough ...	bcc bcc	o. oif	o. oif	o. oif	46	31	24	-	-	4.7
London (Kew Obs.) ...	w bcc	oif	o	oif	46	36	20	-	-	6.4
Croydon ...	bcc bcc	bcc bcc	oif. 6f	oif. 6f	45	31	3	-	Trace	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.
t, 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.	Meters per second.
0	Less than 1	Less than 0.5
1	1-3	0.5-1.5
2	4-7	1.0-2.5
3	8-12	2.0-4.0
4	13-18	3.0-5.0
5	19-24	5.0-7.0
6	25-31	7.0-9.0
7	32-38	9.0-11.0
8	39-46	11.0-13.0
9	47-54	13.0-15.0
10	55-63	15.0-18.0
11	64-75	18.0-21.0
12	Above 75	21.0 or above

SYMBOLS—
Aurora ☄ Solar halo ☉
Rime ☃ Lunar halo ☾
Glazed frost ~ Solar corona ☼
Glazed rime ~ Lunar corona ☾

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun shine to Sunset. Hours.	HUMIDITY %	
	Morning.	Afternoon.	Night.						10 h. G.M.T.	9 h. G.M.T.
24 HOURS ENDED 9H G.M.T.									YESTERDAY.	TO-DAY.
Greenwich (Royal Observatory)	3	3. c. 3	c. 3. o. 3	46	36	28	-	5.8	70	78
City (Bunhill Row)	"	"	"	"	"	"	"	4.7	"	"
Westminster (St. James's Park)	"	"	3. 3. m.	48	38	31	-	3.9	69	74
Botanic Garden (Kew)	"	"	"	"	"	"	"	1.7	"	"
Camden Sq. (British Rainfall)	3. 3.	c	"	48	32	27	-	"	72	80
Kensington Palace	3	3. 3. 3	"	47	34	26	-	"	70 (18h)	79
Hampstead Observatory	"	"	"	45	36	29	-	6.6	"	86

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	YESTERDAY.		TO-DAY.	
	10 h.	9 h.	10 h.	9 h.
	G.M.T.	G.M.T.	G.M.T.	G.M.T.
Total	50.9			
Milliwatts.				
Average Rate. 14.8				
Maximum Rate. 29				

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

Stations.	3rd & 4th Nov. 1920.		
	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6.54	11.37	4.18
Greenwich	6.59	11.44	4.23
Wick	7.36	11.56	4.14
Valencia	7.41	12.20	5.7

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

Exposure from 1 ^h 47 ^m 30 ^s to 2 ^h 6 ^m 0 ^s				
Stars.	Duration of Exposure.		Duration of Record.	
	h.	m.	h.	m.
Polaris	12	30	10	40
8 Ursae Minoris	12	30	9	8

NOTES ON THE WEATHER OF YESTERDAY.

Temperatures remained below 50° generally, but touched 55° at Blacksod, Scilly, and Falmouth. Slight frost occurred locally at night. In Scotland and Ireland the day was almost sunless, but in many parts of England the records were fair to good, 8.5 hours at Ventnor, 8 hours at Ilfracombe and more than 7 hours over a large area. Rain fell in Ireland - as much as 16mm at Valencia.

* Information for these columns not usually received.

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



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. B.24532 Thursday 4th NOVEMBER.....1920.

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

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.																																																	
STATIONS.	BAROM.	Change in 3 hours.	WIND.		TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	BAROM.	Change in 3 hours.	WIND.		TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea																							
	at M.S.L.		Dir.	Force 0-12.					Form.	Amt. 0-10.	Form.	Amt. 0-10.		at M.S.L.		Dir.	Force 0-12.					Form.	Amt. 0-10.	0-9.																									
12H. G.M.T. 3 rd																																																	
Renfrew	1011.4	0	-	0	46	75	4	3000	St. Cu	10	-	-	4	1012.4	+1	SE	2	44	85	4	3000	St. Cu	10	-	-	4																							
Esdailemuir	1011.5	0	SE	2	42	75	6	3000	St. Cu	10	-	-	4	1012.3	+1	ESE	1	40	85	6	3000	St. Cu	10	-	-	4																							
Valencia (Cahire'n)	1006.2	0	SSW	3	56	92	7	750	St. Cu	6	Ci Cu	2	3	1006.3	+1	S	2	54	92	7	750	St. Cu	5	A. St.	3	3																							
Baldonnel	1009.4	-1	E	1	49	92	4	2000	St. Cu	10	-	-	4	1009.3	0	NNE	1	51	92	3	2000	St. Cu	9	A. St.	1	4																							
Manchester (Alex. R.)	1010.6	0	WSW	1	43	85	2	2000	St. Cu	10	-	-	4	1011.7	+2	W	1	42	85	2	1250	St. Cu	10	-	-	4																							
Ross on Wye	1011.1	-1	NW	1	44	75	3	1250	St. Cu	10	-	-	4	1011.9	+1	-	0	42	85	4	750	St. Cu	10	-	-	4																							
Falmouth	1010.3	0	SE	1	53	85	6	-	St. Cu	10	-	-	4	1010.7	+1	SE	3	49	85	6	-	St. Cu	6	-	-	4																							
Calshot (Hants)	1010.5	-1	NNE	2	45	75	6	3000	St. Cu	7	-	-	1	1011.9	+2	NE	3	42	85	5	2000	St. Cu	4	-	-	2																							
Lympe (Folkestone)	1009.2	0	N	3	46	65	6	-	-	-	Ci St.	8	4	1010.6	+1	N	3	37	92	6	-	-	Ci St.	2	4																								
Aberdeen	1012.4	-1	SE	3	47	75	6	2000	St. Cu	10	-	-	4	1013.1	+2	SSE	2	47	75	6	2000	St. Cu	10	-	-	4																							
Howden	1010.8	+1	-	0	45	75	6	3000	St. Cu	10	-	-	4	1011.5	0	-	0	43	85	6	3000	St. Cu	10	-	-	4																							
Cranwell (Lincoln)	1010.1	0	NNW	2	45	75	6	3000	St. Cu	10	-	-	4	1011.9	+1	NNE	2	42	85	5	3000	St. Cu	10	-	-	4																							
Felixstowe	1010.0	0	NNW	2	49	85	6	4200	Cu	1	Ci St.	6	4	1011.6	+2	NNE	1	40	97	5	-	-	-	-	0																								
Shoeburyness	1009.5	0	NNW	3	43	75	6	4200	Cu	1	Ci St.	5	4	1010.7	+2	NW	1	39	85	7	-	-	-	-	0																								
Benson	1010.1	0	NNW	2	43	75	6	-	St. Cu	9	-	-	4	1011.1	+1	NNW	2	41	75	5	-	St. Cu	9	-	-	4																							
S. Farnborough	1010.2	0	NNW	2	44	75	6	1250	St. Cu	9	-	-	4	1011.5	+2	NE	2	41	85	7	1250	St. Cu	10	-	-	4																							
London (Kew Obs.)	1010.2	0	NNW	2	44	75	5	4200	St. Cu	10	-	-	4	1011.9	+2	NNE	1	43	85	5	2000	St. Cu	9	A. St.	1	4																							
Croydon	1010.7	0	NNW	2	44	75	4	2000	St. Cu	8	Ci St.	2	4	1012.3	+1	N	1	42	75	3	2000	St. Cu	10	-	-	4																							
1H. G.M.T. OF 4 th																																																	
Renfrew	1011.2	0	-	0	39	85	6	-	St. Cu	10	-	-	4	1011.6	0	ESE	1	41	85	4	3000	St. Cu	10	-	-	4																							
Esdailemuir	1012.2	0	-	0	44	75	6	-	St. Cu	10	-	-	4	1012.4	0	-	0	43	85	5	-	St. Cu	10	-	-	4																							
Valencia (Cahire'n)	1006.9	0	-	0	54	92	7	750	St. Cu	10	-	-	4	1006.2	+2	ESE	3	52	92	8	4200	St. Cu	7	A. St.	3	3																							
Baldonnel	1009.6	0	-	0	53	85	5	750	St. Cu	10	-	-	4	1009.5	0	SE	1	51	85	5	2000	St. Cu	10	-	-	4																							
Manchester (Alex. R.)	1010.6	0	-	0	43	85	2	2000	St. Cu	10	-	-	4	1011.7	0	ESE	1	42	85	2	1250	St. Cu	10	-	-	4																							
Ross on Wye	1011.1	-1	-	0	44	75	3	1250	St. Cu	10	-	-	4	1011.5	0	E	1	42	85	4	750	St. Cu	10	-	-	4																							
Falmouth	1010.3	0	SE	1	53	85	6	-	St. Cu	10	-	-	4	1010.7	+1	E	4	49	85	5	-	St. Cu	6	-	-	4																							
Calshot (Hants)	1010.5	-1	NNE	2	45	75	6	3000	St. Cu	7	-	-	1	1011.9	+2	NE	3	42	85	5	2000	St. Cu	4	-	-	2																							
Lympe (Folkestone)	1009.2	0	N	3	46	65	6	-	-	-	Ci St.	8	4	1010.6	+1	N	3	37	92	6	-	-	Ci St.	2	4																								
Aberdeen	1012.4	-1	SE	3	47	75	6	2000	St. Cu	10	-	-	4	1013.1	+2	SSE	2	47	75	6	2000	St. Cu	10	-	-	4																							
Howden	1010.8	+1	-	0	45	75	6	3000	St. Cu	10	-	-	4	1011.5	0	-	0	43	85	5	3000	St. Cu	10	-	-	4																							
Cranwell (Lincoln)	1010.1	0	NNW	2	45	75	6	3000	St. Cu	10	-	-	4	1011.9	+1	NNE	2	42	85	5	3000	St. Cu	10	-	-	4																							
Felixstowe	1010.0	0	NNW	2	49	85	6	4200	Cu	1	Ci St.	6	4	1011.6	+2	NNE	1	40	97	5	-	-	-	-	0																								
Shoeburyness	1009.5	0	NNW	3	43	75	6	4200	Cu	1	Ci St.	5	4	1010.7	+2	NW	1	39	85	7	-	-	-	-	0																								
Benson	1010.1	0	NNW	2	43	75	6	-	St. Cu	9	-	-	4	1011.1	+1	NNW	2	41	75	5	-	St. Cu	9	-	-	4																							
S. Farnborough	1010.2	0	NNW	2	44	75	6	1250	St. Cu	9	-	-	4	1011.5	+2	NE	2	41	85	7	1250	St. Cu	10	-	-	4																							
London (Kew Obs.)	1010.2	0	NNW	2	44	75	5	4200	St. Cu	10	-	-	4	1011.9	+2	NNE	1	43	85	5	2000	St. Cu	9	A. St.	1	4																							
Croydon	1010.7	0	NNW	2	44	75	4	2000	St. Cu	8	Ci St.	2	4	1012.3	+1	N	1	42	75	3	2000	St. Cu	10	-	-	4																							
7H. G.M.T. OF 4 th																																																	
Renfrew	1011.2	0	-	0	39	85	6	-	St. Cu	10	-	-	4	1011.6	0	ESE	1	41	85	4	3000	St. Cu	10	-	-	4																							
Esdailemuir	1012.2	0	-	0	44	75	6	-	St. Cu	10	-	-	4	1012.4	0	-	0	43	85	5	-	St. Cu	10	-	-	4																							
Valencia (Cahire'n)	1006.9	0	-	0	54	92	7	750	St. Cu	10	-	-	4	1006.2	+2	ESE	3	52	92	8	4200	St. Cu	7	A. St.	3	3																							
Baldonnel	1009.6	0	-	0	53	85	5	750	St. Cu	10	-	-	4	1009.5	0	SE	1	51	85	5	2000	St. Cu	10	-	-	4																							
Manchester (Alex. R.)	1010.6	0	-	0	43	85	2	2000	St. Cu	10	-	-	4	1011.7	0	ESE	1	42	85	2	1250	St. Cu	10	-	-	4																							
Ross on Wye	1011.1	-1	-	0	44	75	3	1250	St. Cu	10	-	-	4	1011.5	0	E	1	42	85	4	750	St. Cu	10	-	-	4																							
Falmouth	1010.3	0	SE	1	53	85	6	-	St. Cu	10	-	-	4	1010.7	+1	E	4	49	85	5	-	St. Cu	6	-	-	4																							
Calshot (Hants)	1010.5	-1	NNE	2	45	75	6	3000	St. Cu	7	-	-	1	1011.9	+2	NE	3	42	85	5	2000	St. Cu	4	-	-	2																							
Lympe (Folkestone)	1009.2	0	N	3	46	65	6	-	-	-	Ci St.	8	4	1010.6	+1	N	3	37	92	6	-	-	Ci St.	2	4																								
Aberdeen	1012.4	-1	SE	3	47	75	6	2000	St. Cu	10	-	-	4	1013.1	+2	SSE	2	47	75	6	2000	St. Cu	10	-	-	4																							
Howden	1010.8	+1	-	0	45	75	6	3000	St. Cu	10	-	-	4	1011.5	0	-	0	43	85	5	3000	St. Cu	10	-	-	4																							
Cranwell (Lincoln)	1010.1	0	NNW	2	45	75	6	3000	St. Cu	10	-	-	4	1011.9	+1	NNE	2	42	85	5	3000	St. Cu	10	-	-	4																							
Felixstowe	1010.0	0	NNW	2	49	85	6	4200	Cu	1	Ci St.	6	4	1011.6	+2	NNE	1	40	97	5	-	-	-	-	0																								
Shoeburyness	1009.5	0	NNW	3	43	75	6	4200	Cu	1	Ci St.	5	4	1010.7	+2	NW	1	39	85	7	-	-	-	-	0																								
Benson	1010.1	0	NNW	2	43	75	6	-	St. Cu	9	-	-	4	1011.1	+1	NNW	2	41	75	5	-	St. Cu	9	-	-	4																							
S. Farnborough	1010.2	0	NNW	2	44	75	6	1250	St. Cu	9	-	-	4	1011.5	+2	NE	2	41	85	7	1250	St. Cu	10	-	-	4																							
London (Kew Obs.)	1010.2	0	NNW	2	44	75	5	4200	St. Cu	10	-	-	4	1011.9	+2	NNE	1	43	85	5	2000	St. Cu	9	A. St.	1	4																							
Croydon	1010.7	0	NNW	2	44	75	4	2000	St. Cu	8	Ci St.	2	4	1012.3	+1	N	1	42	75	3	2000	St. Cu	10	-	-	4																							
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																																																	
STATIONS.	BAROM.	TEMP.	WIND.		WEATHER.	BAROMETER.		TEMPERATURE.		WIND.		WEATHER.	SEA.	RAINFALL.	TEMP.		WEATHER.			SUNSHINE.																													
	at M.S.L.		Dir.	Force 0-12.		at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.				Dir.	Force 0-12.	Max. °F.	Min. °F.	Morning.		Afternoon.	Night.	Hours.																										
12H. G.M.T. OF 3 rd																				7H. G.M.T. OF 4 th										24 HOURS ENDED 7H. 4 th										3 rd									
Lerwick	1014.7	45	SE	5	omd	1013.7	-1	46	-1	SE	5	-	0	5	47	44	C	omr	omr	4																													
Stornoway	1010.0	48	S	1	0	1009.7	0	48	12	S	1	-	0	0	50	42	bc	0	0	2.0																													
Castlebay (Barrals)	1009.7	50	SE	4	0	1008.4	0	47	-2	SE	5	-	0	5	50	47	0	0	0	0.0																													
Main Head	1007.7	47	SE	3	0	1005.2	0	47	+2	ESE	3	E	om	3	49	44	0	C	om,omp	0.8																													
Blackod Point	1005.1	52	SE	2	0	1003.6	+1	50	44	-	0	-	om	3	54	34	C	0	om,omp	*																													
Rosche's Point	1008.2	55	SSW	4	OT	1008.0	0	53	0	S	3	-	OT	4	56	52	ocorm	rd	d,orm	*																													
Birr Castle	1007.3	54	SE	1	0	1007.0	*	52	+4	SE	1	-	0	*	54	47	om	adu	opo	0.2																													
Donaghadee	1011.4	49	SE	2	om	1010.7	0	48	+1	SE	3	-	omd	3	49	46	om	com	omd	*																													
Liverpool (Bldston)	1011.4	43	E	1	m	1011.2	0	40	-1	ESE	3	-	bm	2	44	39	ocm	om	ocm	0.0																													
Holyhead	1010.5	47	ESE	4</																																													

1011 5	40	NW	2	m
1011 6	44	NNE	1	0

Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

§ For code see page 3

† See footnote p.4

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 4.11.20				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	Fine to cloudy mist and frost.	Poor	Smooth	4A	3 rd	0445	53	46	
2. E. England	Fine misty.	Indif.	Smooth	3	3 rd	0915	55	52	
3. E. Midlands	Dull misty.	"	"	5	3 rd	1014	54	47	
4. W. Midlands	Dull, misty.	V. Poor	"	6	3 rd	1530	57	48	
5. S.W. England	Dull, misty.	Indif.	Slight	4A	4 th	0400	52	55	
6. South Wales	Dull, misty.	"	Slight						
7. North Wales	Dull, local rain.	Good	Smooth						
8. N.W. England	Cloudy misty.	V. Poor	Smooth						
9. N. Midlands	Dull, misty.	"	"						
10. N.E. England	Dull, some mist.	Good.	Slight						
11. E. Scotland	Dull.	Good.	Smooth						
12. S.W. Scotland	Dull, misty.	Indif.	Slight						
13. Isle of Man	Dull, misty.	"	Slight						
14. N. & N.W. Scotland	Dull, misty, squalls locally.	Indif.	R. Rough						
15. Hebrides	Dull, local rain.	"	Mod.						
16. Orkneys and Shetlands	Dull.	Poor	R. Rough						
17. N.W. Ireland	Dull, mist and rain.	Poor	Slight						
18. N.E. Ireland	Dull, mist and drizzle.	Poor	Slight						
19. S.E. Ireland	Dull, misty.	Indif.	Mod.						
20. S.W. Ireland	Dull, local rain.	Fair.	Mod.						

GENERAL INFERENCE from observations received up to 9h.

Shallow depressions will cause some rain in our Western and South-Western districts, but an anticyclone which still extends to this country from Scandinavia will maintain generally fair weather in all the Eastern districts.

Districts	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday 4th November 1920.	Further Outlook.
1. S.E. England	Wind light between North and East, fair or cloudy, mist or fog at times. Visibility mainly indifferent or poor; cold; frost at night.	
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England	Wind light or moderate, South-East or East; much low cloud, some rain or showers locally, mist at times. Visibility indifferent to fair; moderate or rather low temperature.	Mainly fair except in the West and South-West.
6. South Wales		
7. North Wales		
8. N.W. England		
9. N. Midlands	Wind SE or S, light; fair or cloudy; visibility indifferent to fair. Moderate or rather low temperature.	
10. N.E. England		
11. E. Scotland		
12. S.W. Scotland	Wind mainly from South or South-East, moderate or light; much cloud generally, some rain or showers locally; mist at times; 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		

Isallobars.

Lower Cloud.

EXPLANATION.

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

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

TEMPERATURE.—Is given in degrees F.

WEATHER SYMBOLS.—

- clear sky.
- sky & clouded.
- overcast sky.
- sky & clouded.
- rain falling.
- hail.
- snow.
- mist.
- fog.
- thunder.
- thunderstorm.

SEA DISTURBANCE.—

- Rough.
- High.

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

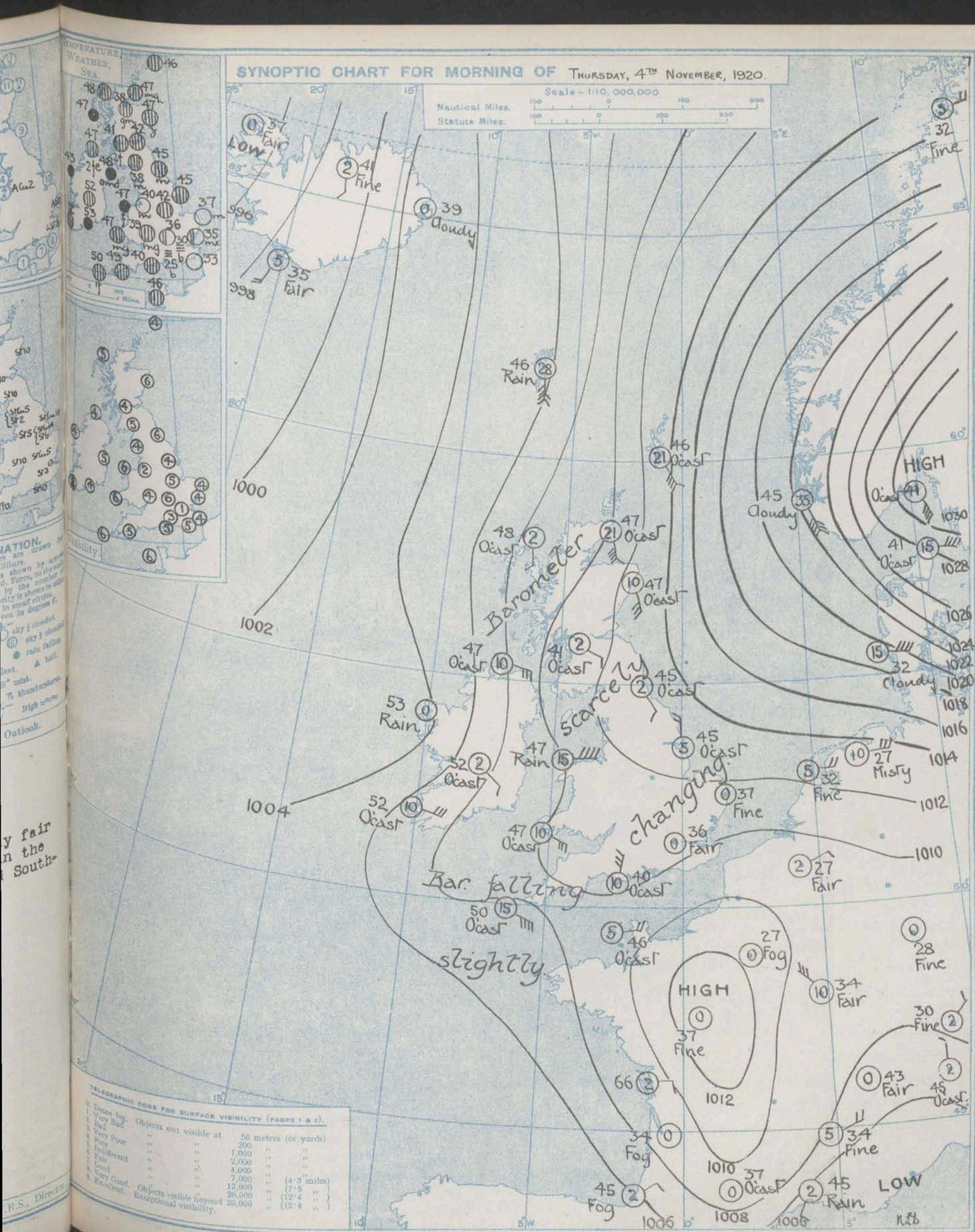
RS

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

Forecasts issued at 09.30

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

Statute Miles



y fair
n the
South-

R.S., Director

AIR MINISTRY.

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

Thursday
4th NOVEMBER

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. 12h-3h. 2-3"	Day. 3h-12h. 3"	Sunrise to Sunset. 3"		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-3h. 2-3"	Day. 3h-12h. 3"	Sunrise to Sunset. 3"
Scotland.								England, N.W.							
Oban	b	b	39	33	-	-	3.4	Douglas (I.O.M.)							0.0
Banff	o	od	46	44	-	-	0.0	Blackpool	o	o	46	41	-	-	0.2
Montrose								Southport	o	oobc.o	46	40	-	-	0.0
St. Andrews ...	o	c	46	42	-	-	0.0	Morecambe	-	-	46	41	-	-	
England, N.E.								Midlands.							
Harrogate	o	o	43	39	-	-	0.0	Buxton							0.0
Scarborough ...	o	o	50	48	-	-	0.0	Leamington Spa...	o	o	44	39	-	-	0.0
Skegness	o	om	48	41	-	-	0.4	Malvern	oobc	co	44	37	-	-	0.5
England, E.								Bath	mo	cbo	44	31	-	-	
Lowestoft	bc	bc	47	31	-	-	3.0	Rhyl	c	o	45	34	-	-	0.0
Felixstowe	bcm	bz	49	33	-	-	4.4	Colwyn Bay	-	-	46	38	-	-	0.0
Southend-on-Sea...	bc	bcb	49	33	-	-	4.5	Llandudno	-	-	47	38	-	-	0.0
England, S.E.								Wales.							
Tunbridge Wells	bmbc	bcm	46	29	-	-	0.2	Aberystwyth ...	ooc	coo	50	39	-	-	0.0
Margate	c	cbcc	48	44	-	-	1.1	Tenby					-	-	0.0
Ramsgate			47	33	-	-	2.0	Swansea	-	-	48	42	-	-	5.3
Folkestone	oobc	bc	47	36	-	-	4.5	England, S.W.							
Hastings	c bc	bcc	47	34	-	-	3.4	Weymouth	m bm	m	49	35	-	-	0.0
Eastbourne	c	c bc	46	36	-	-	1.2	Teignmouth	o	o	46	35	-	-	0.8
Brighton	cf	c bc	47	35	-	-	0.3	Torquay	bcm	c bc, bm	46	37	-	-	1.6
Worthing	b	b	46	35	-	-	4.6	Paignton	m bco	om	47	33	-	-	3.0
Littlehampton ...	oc	bm	48	33	-	-	3.3	Penzance	c bc	bcc, b	56	44	-	-	5.5
Portsmouth (S. ths)	-	-	46	36	-	-	2.7	Newquay	b	b	52	42	-	-	1.9
Bournemouth ...	*	*	45	38	-	-	5.3	Bude	c	b	52	37	-	-	4.2
Ventnor (I. of W.)	*	*	46	36	-	-	4.4	Ilfracombe	oobc	bc	52	41	-	-	0.0
								Weston-s-Mare ...	o	om	45	33	-	-	

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				TEMPERATURE.		RAINFALL. †	Sun.
	7h-12h.	12h-18h.	18h-24h.	1h-7h.	Max. F.	Min. F.		
Renfrew ...	oaf. oaf.	oaf.	oaf.	oaf.	47	41	40	0.0
Eskdalemuir ...	oaf. o	oaf.	oaf.	oaf.	42	37	36	0.0
Valencia (Cahiro'ay) ...	oaf. o	oaf.	oaf.	oaf.	56	52	50	1.1
Baldonnel ...	oaf. pd.	oaf. pd.	oaf. p	oaf. o	53	48	47	0.2
Manchester (Alex. Pk.) ...	oaf.	oaf.	oaf.	oaf.	43	30	19	0.0
Ross on Wye ...	g oaf.	oaf.	oaf.	oaf.	44	39	39	0.0
Falmouth ...	oaf.	oaf.	oaf.	oaf.	55	43	41	0.9
Calshot (Hants) ...	oaf.	bcb. af	bcb. af	oaf. baf	47	36	31	2.7
Lymington (Folkestone) ...	oaf. af	bcb. af	bcb. af	bcb. af	46	31	30	4.6
Aberdeen ...	oaf.	oaf. pd.	oaf. pd.	oaf.	49	46	44	trace
Howden ...	oaf. o	oaf.	oaf.	oaf.	46	40	40	0.0
Cranwell (Lines) ...	oaf. oaf.	oaf.	oaf.	oaf.	48	40	39	0.0
Felixstowe ...	bcb. af	bcb. af	bcb. af	af x	49	33	31	5.0
Shoeburyness ...	ife bcb	bcb. bcb	bcb.	ife x	47	31	26	3.8
Benson ...	o	o	o	o bcb	44	33	27	0.4
S. Farnborough ...	oaf. o	oaf.	oaf.	bcb. af	45	25	24	0.4
London (Kew Obs.) ...	af. o	af. o	bcb.	bcb. af	45	30	23	1.5
Croydon ...	oaf. af	oaf. af	oaf. af	bcb. af	45	28	28	0.0

BEAUFORT NOTATION.

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

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
r.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 0.5
1	1-3	0.5-1.5
2	4-7	1.5-3.0
3	8-12	3.0-4.5
4	13-18	4.5-7.5
5	19-24	7.5-10.5
6	25-31	10.5-13.5
7	32-38	13.5-17.5
8	39-46	17.5-20.5
9	47-54	20.5-24.5
10	55-63	24.5-28.5
11	64-75	28.5-33.5
12	Above 75	33.5 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.	Sun- shine to Sunset.	HUMIDITY %	
	Morning.	Afternoon.	Night.						15 h.	9 h.	
	24 HOURS ENDED 9h G.M.T. 4 th							mm.	Hours.	G.M.T.	G.M.T.
Greenwich (Royal Observatory)	b c c z	o z	b z x	46	28	26	-	1.1	72	77	
City (Bunhill Row)	•	•	•	•	•	•	•	0.6	•	•	
Westminster (St. James's Park)	•	•	f	47	31	27	-	0.4	71	100	
Camden Sq. (British Rainfall)	b b c	c c o	•	47	29	26	-	•	72	92	
Kensington Palace	o c o	o	•	46	28	22	-	•	74 (18h)	94	
Hampstead Observatory ...	•	•	•	45	35	30	-	2.1	•	77	

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday	HOURS.	
	YESTERDAY.	TO-DAY.
Total	366	
Average Rate.	10.7	
Maximum Rate.	27	

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

Stations.	1920.		
	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ...	6.56	11.37	4.18
Greenwich ...	7.1	11.44	4.25
Wick ...	7.38	11.56	4.12
Valencia ...	7.43	12.25	5.7

Photographic Record of Pole Star (Polaris) and of δ Ursae Minoris at Greenwich Observatory.				
Exposure from 3 rd 17 h. 39 m. to 4 th 6 h. 0 m.				
Stars.	Duration of Exposure.	Duration of Record.		%
Polaris	12 30	9	6	73
δ Ursae Minoris	12 30	7	53	63

NOTES ON THE WEATHER OF YESTERDAY.

Temperature remained below 50° over the Kingdom generally, but rose to about 55° at some Western and South-Western stations. During the night the minimum was 25° at South Farnborough and below 32° at some other stations. At Manchester the thermometer on the grass fell to 19°. Rain occurred at many places in the North-West and West, but not in large amounts. Bright sunshine records were small generally, but moderate at some Southern stations.

* Information for these columns not usually received.

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



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21533

FRIDAY, 5th NOVEMBER.....1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.																													
STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		WEATHER.	TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		WEATHER.	TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	
			Force 0-12.	Dirac.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Form.	Amt. 0-10.											
			12H. G.M.T. OF 4 th	12H. G.M.T. OF 4 th																									
Renfrew ...	1012.5	0	SEA	2	02f	43	85	4	2,000	Sc	10	-	-	1012.5	0	ENE	2	02f	42	91	3	-	Sc	10	-	-	-	-	
Eskdalemuir ...	1012.5	0	-	0	02f	42	85	5	-	Sc	10	-	-	1012.5	0	ENE	2	02f	42	92	4	1,250	Sc	10	-	-	-	-	
Valencia (Cahire'n)	1010.1	18	-	0	01f	54	81	7	2,000	Sc	1	A Sc	6	1010.1	18	-	0	01f	52	92	7	2,000	Sc	8	A Sc	2	3		
Baldonnel ...	1010.5	41	SSW	2	03f	54	85	3	1,500	Sc	4	A Sc	3	1010.5	41	SSW	2	03f	50	92	5	1,500	Sc	10	-	-	-	-	
Manchester (Alex. Pt.)	1012.3	0	SE	2	03f	44	85	4	2,000	Sc	10	-	-	1012.3	0	SSW	1	03f	41	85	5	2,000	Sc	10	-	-	-	-	
Ross on Wye ...	1012.0	-1	NE	2	03f	44	85	6	2,000	Sc	6	-	-	1012.0	-1	NE	2	03f	41	85	5	-	Sc	10	-	-	-	-	
Falmouth ...	1009.0	4	A	4	01f	51	85	6	-	Sc	10	-	-	1009.0	4	A	4	01f	47	85	5	-	Sc	10	-	-	-	-	
Calshot (Hants) ...	1011.1	-1	E	1	02f	50	85	4	-	-	-	-	-	1011.1	-1	E	1	02f	42	92	4	2,000	Sc	4	-	-	-	-	
Lymington (Folkestone)	1010.6	0	N	2	03f	43	85	5	-	-	-	-	-	1010.6	0	N	2	03f	40	91	4	-	-	-	-	-	-	-	
Aberdeen ...	1012.8	-1	S	2	03f	48	85	6	2,000	Sc	10	-	-	1012.8	-1	SSW	2	03f	46	83	5	2,000	Sc	10	-	-	-	-	
Howden ...	1012.9	0	-	0	03f	45	85	4	2,000	Sc	10	-	-	1012.9	0	-	0	03f	43	91	4	2,000	Sc	10	-	-	-	-	
Cranwell (Lines)	1012.2	0	NE	2	03f	45	85	5	2,000	Sc	6	-	-	1012.2	0	NE	2	03f	38	91	4	2,000	Sc	6	-	-	-	-	
Felixstowe ...	1014.7	0	ENE	2	03f	45	85	5	-	-	-	-	-	1014.7	0	ENE	2	03f	40	91	5	-	-	-	-	-	-	-	
Shoeburyness ...	1011.1	0	N	1	01f	40	85	6	-	-	-	-	-	1011.1	0	N	1	01f	38	85	4	-	-	-	-	-	-	-	
Benson ...	1010.5	-1	NNE	1	01f	41	85	6	-	-	-	-	-	1010.5	-1	NNE	1	01f	36	92	5	-	-	-	-	-	-	-	
S. Farnborough	1011.2	0	ENE	1	01f	48	85	5	-	-	-	-	-	1011.2	0	ENE	1	01f	35	91	5	2,500	Sc	10	-	-	-	-	
London (Kew Obs.)	1011.4	-1	-	0	03f	48	85	3	2,500	Sc	10	-	-	1011.4	-1	-	0	03f	31	91	5	2,500	Sc	10	-	-	-	-	
Croydon ...	1011.7	-1	-	0	03f	48	85	3	-	-	-	-	-	1011.7	-1	-	0	03f	35	92	2	-	-	-	-	-	-	-	
1H. G.M.T. OF 5 th												7H. G.M.T. OF 5 th																	
Renfrew ...	1014.0	0	SW	2	01f	42	87	2	-	Sc	10	-	-	1014.0	0	SW	2	01f	36	92	4	2,000	Sc	2	-	-	-	-	-
Eskdalemuir ...	1014.0	0	SW	2	01f	42	87	2	-	Sc	10	-	-	1014.0	0	SW	2	01f	36	92	4	2,000	Sc	2	-	-	-	-	-
Baldonnel ...	1014.8	13	N	4	0m	50	85	5	-	-	-	-	-	1014.8	13	N	4	0m	45	86	8	2,000	Sc	6	A Sc	1	3		
Manchester (Alex. Pt.)	1014.8	13	N	4	0m	50	85	5	-	-	-	-	-	1014.8	13	N	4	0m	45	86	8	2,000	Sc	6	A Sc	1	3		
Ross on Wye ...	1013.9	41	NNE	2	03f	44	92	6	-	-	Sc	6	-	1013.9	41	NNE	2	03f	41	85	5	1,250	Sc	10	-	-	-	-	
Falmouth ...	1014.0	42	N	2	03f	40	92	8	-	-	-	-	-	1014.0	42	N	2	03f	42	92	5	-	Sc	5	-	-	-	-	
Calshot (Hants) ...	1013.1	48	N	1	03f	38	91	4	-	-	-	-	-	1013.1	48	N	1	03f	39	92	5	2,000	Sc	6	A Sc	1	2		
Lymington (Folkestone)	1014.7	44	N	0	03f	40	92	4	-	-	-	-	-	1014.7	44	N	0	03f	40	92	4	-	-	-	-	-	-	-	
Aberdeen ...	1014.1	-1	-	0	03f	38	91	4	2,000	Sc	10	-	-	1014.1	-1	-	0	03f	42	91	2	2,000	Sc	10	-	-	-	-	
Howden ...	1013.3	0	SW	1	03f	41	92	5	2,000	Sc	8	A Sc	2	1013.3	0	SW	1	03f	39	91	3	2,000	Sc	10	-	-	-	-	
Cranwell (Lines)	1014.5	42	NNE	2	03f	35	91	6	-	-	A Sc	2	1	1014.5	42	NNE	2	03f	40	91	5	2,000	Sc	10	-	-	-	-	
Felixstowe ...	1014.5	42	NNE	2	03f	35	91	6	-	-	A Sc	2	1	1014.5	42	NNE	2	03f	37	85	5	1,250	Sc	10	-	-	-	-	
Shoeburyness ...	1014.5	42	NNE	2	03f	35	91	6	-	-	A Sc	2	1	1014.5	42	NNE	2	03f	37	85	5	1,250	Sc	10	-	-	-	-	
Benson ...	1014.4	43	N	1	03f	32	91	0	4,000	Sc	10	-	-	1014.4	43	N	1	03f	32	91	0	4,000	Sc	10	-	-	-	-	
S. Farnborough	1015.1	42	S	1	03f	32	91	0	4,000	Sc	10	-	-	1015.1	42	S	1	03f	32	91	0	4,000	Sc	10	-	-	-	-	
London (Kew Obs.)	1015.1	42	S	1	03f	32	91	0	4,000	Sc	10	-	-	1015.1	42	S	1	03f	32	91	0	4,000	Sc	10	-	-	-	-	
Croydon ...	1015.1	42	S	1	03f	32	91	0	4,000	Sc	10	-	-	1015.1	42	S	1	03f	32	91	0	4,000	Sc	10	-	-	-	-	
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																													
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		WEATHER.	BAROMETER. at M.S.L. mb.	TEMPERATURE. Temp. °F.	WIND. Direc. Force 0-12.	Dirac. of Upper Cloud.	WEATHER.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.											
			Max. °F.	Min. °F.									Morning.	Afternoon.	Night.														
			12H. G.M.T. OF 4 th	7H. G.M.T. OF 5 th									24 HOURS ENDED 7H. 5 th	4 th															
Lerwick ...	1012.6	46	SE	6	ond	1009.7	0	45	-	W	3	-	Sc	1	47	42	omp	ond	omp	-	-	-	-	-	-	-	-		
Stornoway ...	1009.4	46	S	1	0f	1014.5	13	40	-	W	2	-	Sc	1	48	39	0f	0f	0f	0.0	0.0	0.0	-	-	-	-	-		
Castlebay (Barra)	1011.6	49	NW	5	0	1016.4	41	47	0	NW	3	W	0	3	51	45	r	r.o.b	0.0	0.0	0.0	-	-	-	-	-	-		
Malin Head ...	1010.8	52	W	3	0	1016.9	41	48	4	NW	2	NW	0	3	52	45	omc	omp	0.0	0.0	0.0	-	-	-	-	-	-		
Blackod Point ...	1013.4	50	NW	2	0	1019.7	43	48	-2	NW	1	-	Sc	2	54	48	om	0	0	-	-	-	-	-	-	-	-		
Roche's Point ...	1013.0	50	SE	3	0	1021.2	46	45	-8	N	2	-	0	3	54	44	d. om	om. o	0.0	0.0	0.0	-	-	-	-	-	-		
Birr Castle ...	1012.3	52	SW	1	0	1020.9	45	35	-1	N	1	-	0	1	53	35	om. o	om. o	0.0	0.0	0.0	-	-	-	-	-	-		
Donaghadee ...	1011.5	50	SW	2	ond	1019.0	45	42	-6	NW	2	W	0	3	57	42	omd	omd	0.0	0.0	0.0	-	-	-	-	-	-		
Liverpool (Bidston)	1013.4	43	ENE	1	0	1016.8	43	43	3	E	1	-	om	1	44	40	bc. om	om	0.0	0.0	0.0	-	-	-	-	-	-		
Holyhead ...	1012.6	49	SE	3	me	1016.7	43	50	13	NNE	5	N	0	4	52	46	om. oe	me	0.0	0.0	0.0	-	-	-	-	-	-		
Pembroke (St. Ann's Head)	1013.0	43	ENE	2	om	1017.6	42	51	44	N	2	-	0	2	51	43	om	om	0.0	0.0	0.0	-	-	-	-	-	-		
Scilly (St. Mary's)	1009.6	51	E	2	om	1016.4	44	51	4	NE	3	-	0	4	52	50	om	om	0.0	0.0	0.0	-	-	-	-	-	-		
Jersey (St. Aubin)	1009.4	48	E	3	0	1012.5	41	48	12	E	2	-	0	1	48	46	o. c	o. c	0.0	0.0	0.0	-	-	-	-	-	-		
Portland Bill ...	1011.2	45	NE	2	0	1014.2	44	40	0	NE	4	NE	0	4	47	38	om	om	0.0	0.0	0.0	-	-	-	-	-	-		
Dunagness ...	1010.7	43	NNE	2	0	1014.2	43	34	11	NNE	2	NE	0	3	57	33	bc. 0	bc. 0	0.0	0.0	0.0	-	-	-	-	-	-		
Wick ...	1008.9	46	S	5	omg	1011.1	42	37	10	W	3	-	bc. om	4	6	48	37	omg	omg	0.0	0.0	0.0	-	-	-	-	-	-	
Nairn ...	1009.7	43	-	0	r	1014.4	4																						

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 5.11.20.

Temperature reported from Coastal and Cross Channel Steamers

Districts	Weather, Cloud and Precipitation.	Visibility.	Sea.	Position Number	Date	Time G.M.T.	Sea °F	Air °F
1. S.E. England	Foggy, frosty.	V. Poor	Smooth	12	11 th	0445	57	54
2. E. England	Dull, misty.	Poor.	V. Smooth	3	4 th	0915	54	52
3. E. Midlands	Dull, foggy.	V. Poor	-	1	4 th	1310	57	51
4. W. Midlands	Dull, foggy.	" "	-	8	5 th	0505	53	46
5. S.W. England	Dull to fair.	Fair.	Mod.	4A				
6. South Wales	Dull.	Exclt.	Smooth					
7. North Wales	Cloudy.	V. Good	Mod.					
8. N.W. England	Fine, misty.	Indif.	Smooth					
9. N. Midlands	Dull, misty.	Fair.	-					
10. N.E. England	Cloudy, misty.	Poor.	Smooth					
11. E. Scotland	Fine, hazy, some frost.	Good.	"					
12. S.W. Scotland	Fine.	V. Good	"					
13. Isle of Man	Fair.	Indif.	"					
14. N. & N.W. Scotland	Fair.	Fair.	"					
15. Hebrides	Fair to cloudy.	"	"					
16. Orkneys and Shetlands	Fair.	Good.	V. Smooth					
17. N.W. Ireland	Fair.	"	Smooth					
18. N.E. Ireland	Fair.	Exclt.	"					
19. S.E. Ireland	Fine.	Good	"					
20. S.W. Ireland	Cloudy.	V. Good	Slight.					

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 for intervals of two millibars.
WIND.—Direction is shown by arrow. Force, on the scale 0-15, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figure in small circles.
TEMPERATURE.—Mean temperature in degrees F.
WEATHER SYMBOLS.—sky + clouded, clear sky, sky + clouded, overcast sky, snow, fog, thunder, thunderstorm, rain, hail.
SEA DISTURBANCE.—Rough, High.

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

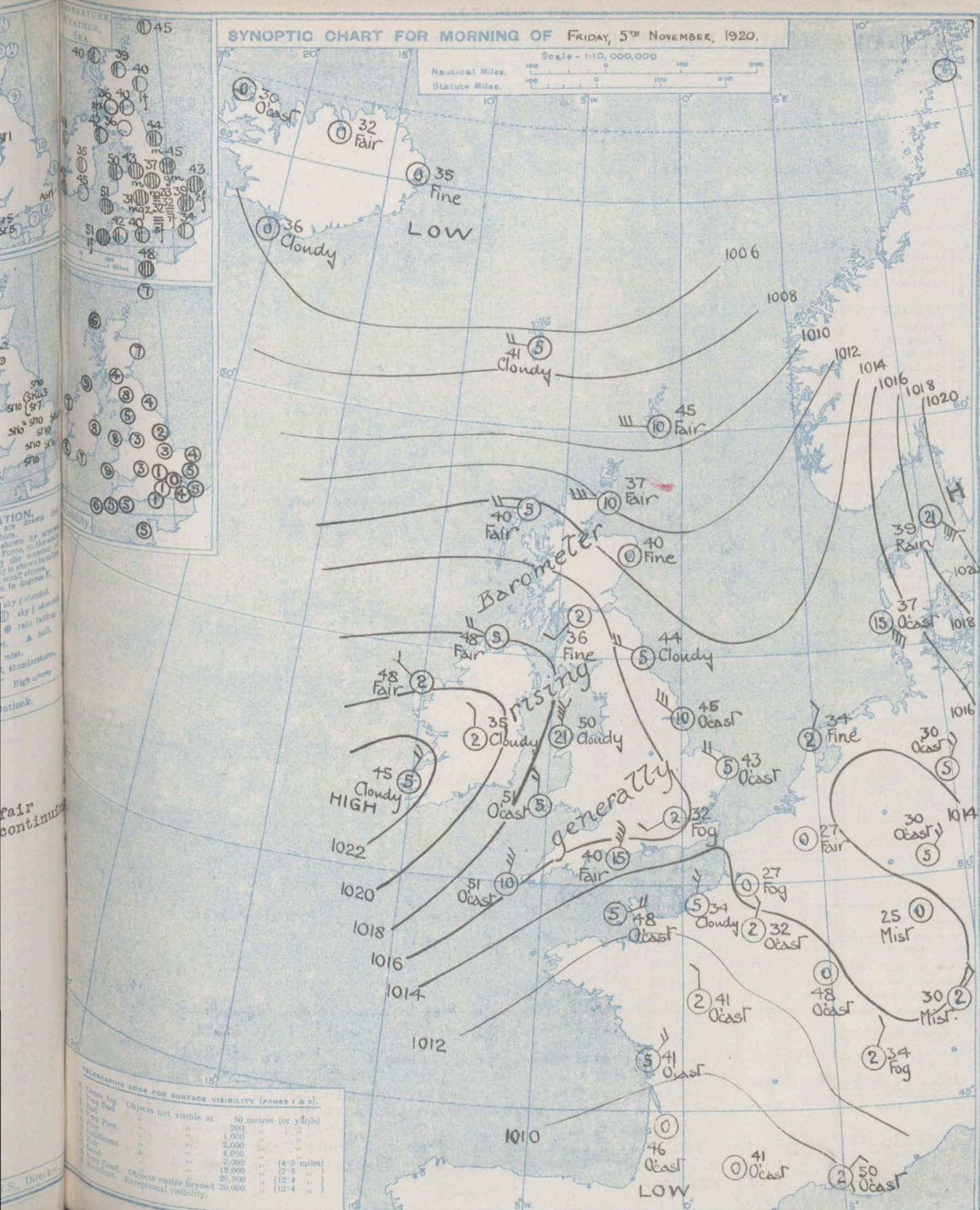
An anticyclone is extending over the British Isles from the Atlantic, and will probably cause fair weather generally for two or three days. The foggy tendency will decrease under the influence of a light breeze from between North-East and North-West.

Districts	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 5th November, 1920.
1. S.E. England	Wind between North and North-East, light. Mainly fair, but local mist or fog. Visibility indifferent to fair. Temperature rather low, frost at night locally.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Wind between North and West, light or moderate. Fair or cloudy. Visibility fair to good. Moderate temperature.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind North or North-East, light, fair. Visibility good. 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	
20. S.W. Ireland	

Mainly fair weather continuing

SYNOPTIC CHART FOR MORNING OF FRIDAY, 5TH NOVEMBER, 1920.

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



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

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 310

Friday
5th NOV 1920

WEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-9h. 3 ⁴ 4 ⁴	Day. 9h-12h. 4 ⁴	Sunrise to Sunset. 4 ⁴	Forenoon.			Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-9h. 3 ⁴ 4 ⁴	Day. 9h-12h. 4 ⁴	Sunrise to Sunset. 4 ⁴		
Scotland.	Oban									England, N.W.	Douglas (I.O.M.)								
	Banff	0	0	44	43	-	-	0.0			Blackpool	bc.0	51	36	-	-			3.4
	Montrose	0	0	48	41	-	-	0.0			Southport	bc.0	43	34	-	-			1.8
	St. Andrews ...										MORECAMBE		49	35	-	-			5.2
England, N.E.	Harrogate	0	0	44	39	-	-	0.0		Midlands.	Buxton								
	Scarborough ...	0	0	50	44	-	-	0.0			Leamington Spa...								3.2
	Skegness	0	0.c.0	50	41	-	-	3.6			Malvern	0.c	44	36	-	-			4.8
									Bath		0.0	46	38	-	-			0.0	
England, E.	Lowestoft									Wales.	Rhyl	0	46	38	-	-			0.0
	Felixstowe	bm	bm	50	34	-	-	6.7			Colwyn Bay		48	43	-	-			0.0
	Southend-on-Sea...	0	0	50	33	-	-	6.6			Llandudno		49	43	-	-			0.0
									Aberystwyth ...		0.c.0	49	43	-	-			0.0	
England, S.E.	Tunbridge Wells	cm.0.0	bc.0.0	49	23	-	-	2.9		England, S.W.	Tenby								0.0
	Margate	0	0	49	44	-	-	3.0			Swansea	0	45	42	-	-			3.7
	Ramsgate	0	0	48	40	-	-	3.8			Weymouth	0	48	35	-	-			0.0
	Folkestone	0.c	c.0	47	38	-	-	4.5			Teignmouth ...								0.0
	Hastings	0	c.0.0	49	36	-	-	1.9			Torquay	0m	47	42	-	-			0.0
	Eastbourne	0	0.c.0	50	34	-	-	1.7			Paignton	0m	47	41	-	-			0.0
	Brighton	0	0	50	33	-	-	2.5			Penzance	0g	52	49	-	-			0.0
	Worthing	bc.0	0	48	34	-	-	5.4			Newquay	0	50	42	-	-			1.3
	Littlehampton ...	0	0m	48	37	-	-	3.2			Bude	0	45	37	-	-			0.0
	Portsmouth (S'base)	0	0	48	33	-	-	4.5			Ilfracombe	0	44	39	-	-			0.0
	Bournemouth ...	0	0	46	33	-	-	5.8			Weston-s-Mare ...	0.c.0	44	39	-	-			0.0
	Ventnor (I. of W.)	0	0	48	35	-	-	1.6											

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL. †		Sun. Hours.
	7h-12h. ° F.	12h-18h. ° F.	18h-1h. ° F.	1h-7h. ° F.				Day. 7h-18h.	Night. 18h-7h.	
Renfrew ...	0.2f. 0.2	0.2f. 0.2	0.2f. 0.2	0.2f. 0.2	44	36	27	0.0	0.0	0.0
Eskdalemuir ...	0.1f	0.2f. 0.2	0.2f. 0.2	0.2f. 0.2	44	36	28	0.1	0.1	0.0
Valencia (Cabre's)	0.1	0.1f. 0.2	0.2f. 0.2	0.2f. 0.2	55	45	40	5	5	0.0
Baldonnel ...	0.2f. 0	0.2f	c. 0p	0.1f. 0.2f. 0.2	54	36	29	0.4	0.4	0.0
Manchester (Alex. R.)	0.2f. 0.2f	0.2f	0.2f. 0.2f	0.2f	44	31	20	-	-	0.0
Ross on Wye...	0.2f. 0.2f. 0.2	0.2f. 0.2f	0.2f. 0.2f	0.2f. 0.2f	44	28	27	-	-	0.0
Falmouth ...	0.2f	0.1f	0.2f	0.2f	51	40	36	-	-	0.0
Calshot (Hants)...	0.2f	0.2f. 0.2f	0.2f	0.2f. 0.2f	49	35	31	-	-	0.0
Lympne (Folkestone)	0.2f. 0.2f	0.1f	0.2f. 0.2f	0.2f. 0.2f	48	35	24	-	Trace	7.1
Aberdeen ...	0.1f. 0.2f	0.2f. 0.2f	0.2f. 0.2f	0.1f. 0.2f	48	37	28	-	Trace	0.0
Howden ...	0.1f. 0	0.2f	c. 0. 0.2f	c. 0. 0.2f	45	37	30	-	-	0.0
Cranwell (Linco) ...	0.2f. 0	0.2f. 0	0.2f. 0	c. 0. 0.2f	47	34	31	-	-	0.0
Felixstowe ...	0.2f	0.2f	0.2f	0.2f. 0.2f	52	34	30	-	-	0.0
Shoeburyness ...	0.2f. 0.2f	0.2f	0.2f	0.2f. 0.2f	50	31	26	-	-	0.0
Benson ...	0.2f. 0.2f	0.2f	0.2f	0.2f. 0.2f	48	29	24	-	-	0.0
S. Farnborough ...	0.2f. 0.2f	0.2f. 0.2f	0.2f. 0.2f	c. 0. 0.2f	48	24	24	-	Trace	5.7
London (Kew Obsy.)	0.2f. 0.2f	0.2f. 0.2f	0.2f. 0.2f	0.2f. 0.2f	37	30	28	Trace	0.1	0.0
Croydon ...	0.2f. 0.2f	0.2f. 0.2f	0.2f. 0.2f	0.2f. 0.2f	48	30	24	Trace	Trace	0.0

BEAUFORT NOTATION.

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

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

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.8
1	1-3	0.8-1.5
2	4-7	1.5-2.5
3	8-12	2.5-3.7
4	13-18	3.7-5.0
5	19-24	5.0-6.7
6	25-31	6.7-8.5
7	32-38	8.5-10.7
8	39-46	10.7-12.8
9	47-54	12.8-15.0
10	55-63	15.0-17.4
11	64-75	17.4-20.8
12	Above 75	20.8 or above

SYMBOLS.

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

LONDON OBSERVATIONS.

	24 HOURS ENDED 5h G.M.T. 5 th							YESTERDAY,	TO-DAY.
	Morning.	Afternoon.	Night.	Max. Temp. F.	Min. Temp. F.	Min. on Grass. F.	Rain-fall.	Sun-shine to Sunset.	Humidity %
Greenwich (Royal Observatory)	0.0	0.0	0.0	49	28	25	-	2.4	82
City (Bunhill Row)	0.0	0.0	0.0	44	31	29	-	0.0	94
Westminster (St. James's Park)	0.0	0.0	0.0	44	31	29	-	0.0	94
Regent's Park (Botanic Garden)	0.0	0.0	0.0	44	31	29	-	0.0	94
Camden Sq. (British Rainfall)	0.0	0.0	0.0	46	30	28	-	0.0	90
Kensington Palace	0.0	0.0	0.0	38	29	24	-	0.0	94
Hampstead Observatory	0.0	0.0	0.0	46	36	30	-	0.0	88

SOUTH KENSINGTON (Meteorological Office).

	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	
	YESTERDAY.	TO-DAY.
Total	13.8	10.0
Average Rate.	4.1	3.3
Maximum Rate.	8	5

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

Stations.	5 th & 6 th November 1920.		
	Sunrise.	Noon.	Sunset.
Greenwich	6.54	11.37	4.16
Yarmouth	6.59	11.37	4.16
Greenwich	7.3	11.44	4.23
Wick	7.40	11.56	4.10
Valencia	7.45	12.25	4.4

Photographic Record of

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

Exposure from 4^h 15^m to 5^h 30^m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	12 30	8 10	65
8 Ursae Minoris	12 30	4 16	35

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose no higher than 37° at Kew and remained below 50° over the greater part of the Kingdom. Frost occurred locally at night; at Manchester the minimum on the grass was 20°. Rain was experienced in the west and North, 9 mm at Holyhead, 10mm at Stornoway and 17mm at Lerwick. Several hours of bright sunshine was recorded on the South-East and East Coasts and locally elsewhere, but over a considerable area the day was sunless.

* Information for these columns not usually received.

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



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B2,524 SATURDAY...6TH NOVEMBER...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 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.		
			Dir.	Force 0-12.					Form.	Amt. 0-10.	Form.	Amt. 0-10.				Dir.	Force 0-12.					Form.	Amt. 0-10.	Form.	Amt. 0-10.			
13H. G.M.T. OF 5 TH																												
Renfrew ...	1019.1	+1	W	3	bc	49	65	8	3000	Sc	5	Cl	1	4	1019.6	+1	SW	2	01f	45	85	6	Sc	3	ASr	6	4	
Esksdalemuir ...	1018.6	+1	WNW	3	bc	48	65	8	3000	Sc	2	Cl	3	4	1020.9	+2	WSW	1	bc	40	85	7	Cl	1	Cl	3	4	
Valencia (Cahire's) ...	1024.3	+1	NNW	2	bc	54	65	8	3000	Sc	4	ASr	2	3	1024.8	+1	0	0	C	52	76	8	Sc	6	ASr	2	3	
Baldonnel ...	1021.8	0	W	2	C	50	75	8	3000	Sc	1	ASr	6	4	1023.1	+1	0	0	b	44	85	9	0	0	ASr	3	4	
MANCHESTER (Alex. ...)	1019.8	+1	N	2	b2f	50	65	4	0	0	0	0	0	4	1021.2	+4	W	2	b2f	39	92	3	0	0	0	0	4	
Ross on Wye ...	1018.7	+1	ENE	1	bm	47	85	4	0	0	0	0	0	4	1020.8	+3	NE	2	b	42	85	6	0	0	ASr	2	4	
Falmouth ...	1019.2	+1	NNE	3	C	53	95	6	0	0	0	0	0	4	1021.1	+3	N	3	C	51	85	7	0	0	ASr	3	4	
Calshot (Hants) ...	1018.4	+1	N	3	03f	43	95	3	1250	Sc	10	0	0	1	1020.1	+3	NE	2	02f	47	85	4	1250	Sc	10	0	1	
Lympe (Folkestone) ...	1017.0	+2	NNE	3	01f	45	85	5	1250	Sc	10	0	0	4	1019.1	+3	NNE	3	02f	44	85	4	2000	Sc	10	0	4	
Aberdeen ...	1016.8	0	WNW	3	b	49	45	8	0	0	0	0	0	4	1018.2	+2	WSW	1	b1f	43	65	7	0	0	ASr	1	2	
Howden ...	1018.1	+2	NNW	2	b2	51	65	6	4200	Sc	1	ASr	1	4	1018.3	+3	0	0	b	36	92	6	4200	Sc	2	0	4	
Cranwell (Lines) ...	1018.3	+2	NNW	3	02f	46	92	4	2000	Sc	10	0	0	4	1020.8	+2	NNW	3	b	41	97	4	2000	Sc	2	0	4	
Felixstowe ...	1017.9	+1	NNE	1	02f	46	97	5	2000	Sc	10	0	0	4	1019.4	+3	N	2	02f	46	97	5	2000	Sc	10	0	4	
Shoeburyness ...	1017.9	0	N	2	02f	46	75	5	2000	Sc	10	0	0	4	1019.1	+2	0	0	02f	45	75	6	2000	Sc	10	0	4	
Benson ...	1018.1	+2	0	0	b2f	39	97	2	0	0	0	0	0	4	1019.9	+1	0	0	b2f	41	92	2	0	0	0	0	4	
S. Farnborough ...	1018.4	+2	NNW	1	03f	43	85	3	4000	Sc	10	0	0	4	1019.9	+4	NW	2	03f	43	92	3	4000	Sc	10	0	4	
London (Kew Obs.) ...	1019.3	0	0	0	03f	44	85	3	3000	Sc	10	0	0	4	1019.9	+3	NNW	1	02f	44	85	4	2000	Sc	10	0	4	
Croydon ...	1018.9	+2	NW	1	03f	42	92	2	1250	Sc	9	ASr	2	4	1020.3	+3	NNW	2	02f	44	85	2	1250	Sc	10	0	4	
7H. G.M.T. OF 6 TH																												
Renfrew ...	1021.4	+0	SE	1	0	38	92	6	0	0	0	0	0	4	1018.5	0	SW	3	02f	49	92	5	3000	Sc	9	ASr	1	4
Esksdalemuir ...	1025.0	0	WNW	2	0	50	0	0	0	0	0	0	0	4	1020.0	0	SW	3	02f	44	97	8	450	Sc	10	0	4	
Valencia (Cahire's) ...	1020.8	0	W	3	02f	44	92	4	1250	Sc	10	0	0	4	1024.5	0	0	0	C	50	85	8	2000	Sc	8	0	4	
Baldonnel ...	1020.8	0	W	3	02f	44	92	4	1250	Sc	10	0	0	4	1022.7	0	SW	2	0	48	92	8	750	Sc	10	0	4	
MANCHESTER (Alex. ...)	1020.8	0	0	0	0	0	0	0	0	0	0	0	0	4	1023.0	+1	0	0	03f	32	97	2	450	Sc	10	0	4	
Ross on Wye ...	1020.8	0	0	0	0	0	0	0	0	0	0	0	0	4	1024.1	+2	WSW	1	b2f	24	92	2	450	Sc	10	0	4	
Falmouth ...	1020.8	0	0	0	0	0	0	0	0	0	0	0	0	4	1024.1	+2	N	2	0	44	92	9	0	0	0	0	4	
Calshot (Hants) ...	1022.3	+2	W	3	02f	44	92	4	1250	Sc	10	0	0	4	1024.6	+2	N	2	0	44	92	9	0	0	0	0	4	
Lympe (Folkestone) ...	1020.8	0	N	2	02f	44	92	4	2000	Sc	10	0	0	4	1023.4	+1	NNW	3	02f	39	85	4	0	0	0	0	4	
Aberdeen ...	1020.8	0	0	0	0	0	0	0	0	0	0	0	0	4	1023.0	+2	N	3	02f	38	97	3	4500	Sc	4	0	4	
Howden ...	1020.8	0	0	0	0	0	0	0	0	0	0	0	0	4	1016.6	0	SW	2	02f	43	97	2	0	0	ASr	10	4	
Cranwell (Lines) ...	1020.8	0	0	0	0	0	0	0	0	0	0	0	0	4	1022.5	0	0	0	02f	26	97	0	4500	Sc	10	0	4	
Felixstowe ...	1020.8	0	0	0	0	0	0	0	0	0	0	0	0	4	1023.0	0	W	3	0	33	97	4	2000	Sc	10	0	4	
Shoeburyness ...	1020.8	0	0	0	0	0	0	0	0	0	0	0	0	4	1022.7	+2	N	3	02f	36	97	5	4200	Sc	10	0	4	
Benson ...	1020.8	0	0	0	0	0	0	0	0	0	0	0	0	4	1023.0	+3	N	1	02f	37	92	2	0	0	0	0	4	
S. Farnborough ...	1020.8	0	0	0	0	0	0	0	0	0	0	0	0	4	1024.0	+2	0	0	02f	30	97	1	0	0	Sc	10	0	4
London (Kew Obs.) ...	1020.8	0	0	0	0	0	0	0	0	0	0	0	0	4	1024.1	+2	0	0	02f	32	97	1	4500	Sc	10	0	4	
Croydon ...	1020.8	0	0	0	0	0	0	0	0	0	0	0	0	4	1024.1	+2	0	0	02f	31	97	0	4500	Sc	10	0	4	
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																												
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		WEATHER.	BAROMETER. at M.S.L. mb.	TEMP. °F.	CHANGE in 24 hours.	WIND.	FORCE 0-12.	Dir. of Upper Cloud.	WEATHER.	SEA 0-9.	RAINFALL mm.	TEMP.		WEATHER.			Sunshine Hours								
			Dir.	Force 0-12.					Dir.						Max. °F.	Min. °F.	Morning.	Afternoon.	Night.									
12H. G.M.T. OF 5 TH																												
Lerwick ...	1014.0	44	W	2	bc	1011.6	-1	47	12	5	2	0	0	3	48	44	bcp	bcp	omr. abn	4								
Stornoway ...	1015.3	43	WSW	1	0	1012.6	0	50	0	WSW	4	0	0	4	50	39	bcp	op	bc. o	2.1								
Castlebay (Barrals) ...	1017.3	49	WNW	2	bc	1016.2	0	52	15	W	4	0	0	4	52	45	cop	op bc	bc. o	0.5								
Malin Head ...	1018.9	49	SW	2	C	1014.4	0	50	12	SW	3	SW	0	3	52	48	bc	0	bc. mod	2.4								
Blackod Point ...	1020.6	52	0	0	bc	1019.6	0	52	14	NNW	2	0	0	1	54	47	bc	bcp	omr. bc	0								
Roche's Point ...	1024.6	48	NNW	1	b	1025.0	0	46	11	NNW	1	NNW	0	0.4	58	43	bcb	b	bc	0								
Birr Castle ...	1022.2	45	SSW	1	C	1022.6	0	47	12	SW	1	0	0	0	52	34	bc	c	c	4.5								
Donaghadee ...	1020.8	47	W	2	bcm	1019.4	-1	48	16	W	2	0	0	0	52	41	bc	bcm	cm	0								
Liverpool (Bidston) ...	1021.2	46	NNW	2	b	1022.3	0	41	2	SSW	1	W	0	0	51	41	ocm. b	bcb	bc. b	6.2								
Holyhead ...	1021.6	50	NNW	4	C	1022.0	0	51	11	WSW	4	NNW	0	0	53	47	C	C	bc. ac	4.4								
Pembroke (St. Ann's Head) ...	1022.7	46	N	1	bcp	1024.4	0	48	16	0	0	0	0	0	54	43	bcp	bcp	bc. b	5.9								
Scilly (St. Mary's) ...	1021.7	51	NNE	3	bc	1023.7	0	49	2	NNE	1	0	0	0	58	49	bc	bc	bc. b	2.2								
Jersey (St. Aubin) ...	1018.6	49	NE	3	0	1021.7	0	47	1	NE	2	0	0	0	52	45	omr. b	bo	om	1.0								
Portland Bill ...	1019.2	42	NE	3	om	1021.2	0	41	1	NE	4	0	0	0	47	38	bco	om	om	0								
Dungeness ...	1018.3	45	NNE	3	0	1021.3	0	37	13	NNE	4	NE	0	0	49	34	cbc	bco	bc. o									

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

6.11.20.

Temperature reported from Coastal and Cross Channel Steamers.

CHART OF POSITION NUMBERS and Upper Cloud

Lower Cloud.

EXPLANATION.

BAROMETER.

WIND.

TEMPERATURE.

WEATHER SYMBOLS.

SEA DISTURBANCE.

Further Outlook.

England and South Ireland.

Other districts.

Wind Westerly, unsettled.

Light variable winds; fair or fine; visibility mainly poor inland with much mist or fog; rather cold.

Wind Westerly light or moderate; fair or cloudy; visibility fair, some morning mist or fog inland; moderate to rather low temperature.

Wind South-West or West, light or moderate; cloudy, local rain or showers; visibility mainly fair; moderate temperature.

Light Westerly or variable winds; mainly fair but some local mist; moderate to rather low temperature.

Isallobars.

Steady.

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

Position Number.

Date.

Time G.M.T.

Sea ° F.

Air ° F.

Districts.

Weather, Cloud and Precipitation.

Visibility.

Sea.

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

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

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

The anticyclone covering England and South Ireland will maintain fair weather for a day or two. In Scotland secondaries are likely to cause local rain or showers.

Districts.

Forecasts for the 24 hours commencing 15 h. G.M.T. Saturday, 6th November, 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

13. Isle of Man

14. N. & N.W. Scotland

15. Hebrides

16. Orkneys and Shetlands

17. N.W. Ireland

18. N.E. Ireland

19. S.E. Ireland

20. S.W. Ireland

Light variable winds; fair or fine; visibility mainly poor inland with much mist or fog; rather cold.

Wind Westerly light or moderate; fair or cloudy; visibility fair, some morning mist or fog inland; moderate to rather low temperature.

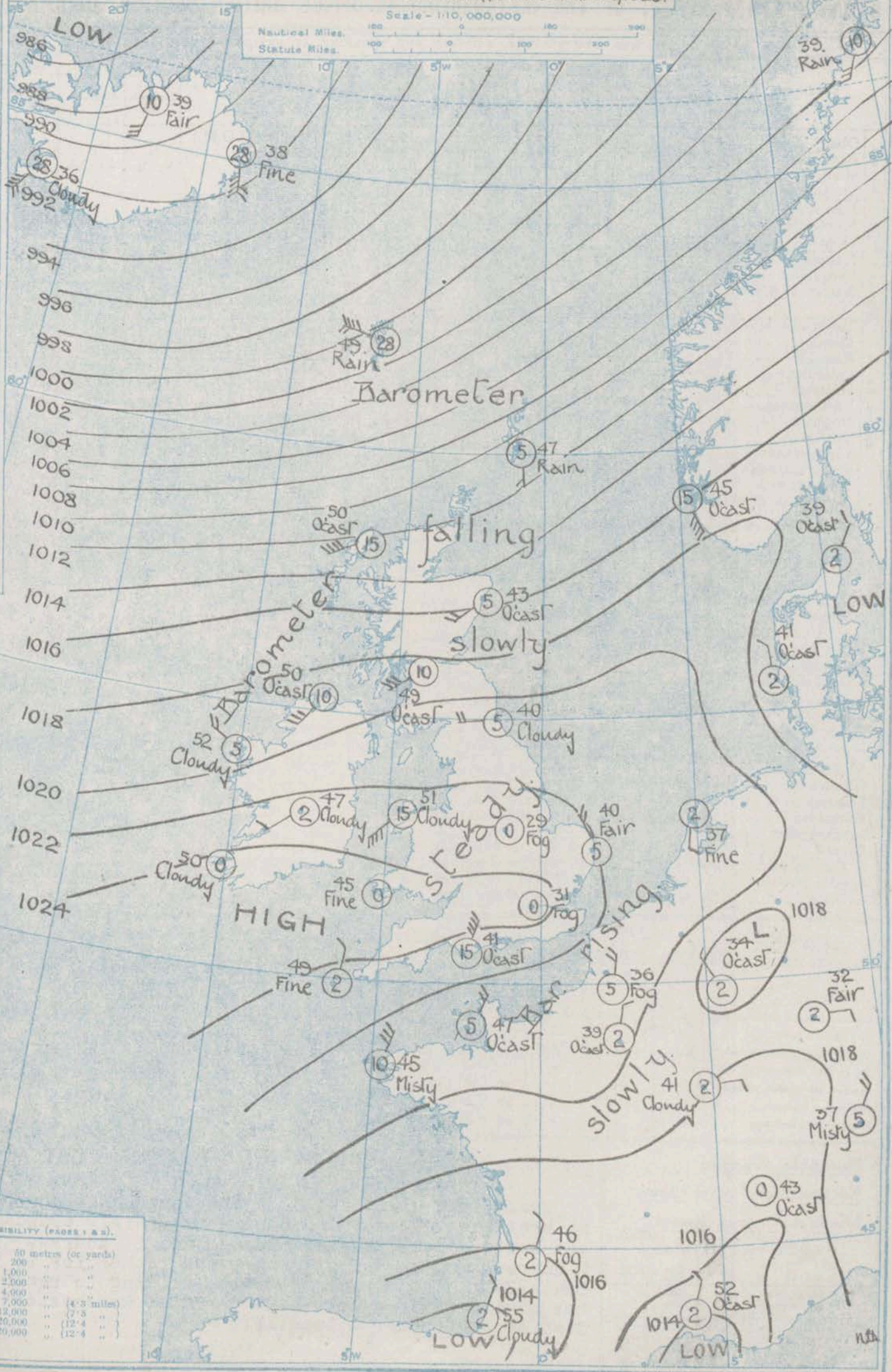
Wind South-West or West, light or moderate; cloudy, local rain or showers; visibility mainly fair; moderate temperature.

Light Westerly or variable winds; mainly fair but some local mist; moderate to rather low temperature.

England and South Ireland. Fair or fine but rather cold, much fog locally.

Other districts. Wind Westerly, unsettled.

SYNOPTIC CHART FOR MORNING OF SATURDAY, 6TH NOVEMBER, 1920.



TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).			
None	Objects not visible at	50 metres (or yards)	
Very Poor	"	200	
Poor	"	1,000	" "
Fair	"	2,000	" "
Good	"	4,000	" "
Very Good	"	7,000	" (4.3 miles)
Excellent	"	12,000	" (7.5 "
	Objects visible beyond	20,000	" (12.4 "
	Receptional visibility.	20,000	" (12.4 "

AIR MINISTRY.

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

SATURDAY
6TH NOVEMBER

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 5 TH																		
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 10h-11h. 7h-8h.	Day. 12h-1h.	Sunrise to Sunset. 5 TH			Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 10h-11h. 7h-8h.	Day. 12h-1h.	Sunrise to Sunset. 5 TH	
Scotland.	Oban	c b c	b c	51	43	-	-	4.5	England, N.W.	Douglas (I.O.M.)							7.4	
	Banff	b	b b c	50	40	1	-	6.9		Blackpool	b	c	52	37	0.3	-	6.0	
	Montrose									Southport	b c b	b b c b b c	51	38	0.4	-	5.8	
	St. Andrews	b	b	52	36	1	-	7.1		MORECAMBE	-	-	51	37	-	-		
England, N.E.	Harrogate	b	b	49	38	-	-	6.7	Midlands.	Buxton							1.7	
	Scarborough	b	b	48	43	-	-	3.6		Leamington Spa	o	c b o	44	29	-	-	?	
	Skegness	o m	m o b	48	42	-	-	0.0		Malvern	x b c	b c b	50	33	-	-	0.1	
England, E.	Lowestoft								Wales.	Bath	m	m c b c	48	30	-	-	5.2	
	Felixstowe	o m	o g m	47	36	-	-	0.0		Rhyl	b c	b c c	52	44	0.1	-	3.0	
	Southend-on-Sea	o	o	46	34	-	-	0.0		Colwyn Bay	-	-	52	46	-	-	3.5	
England, S.E.	Tunbridge Wells	b m o	c o m o	47	28	-	-	1.2	England, S.W.	Llandudno	b b c	c	52	46	0.2	-	3.5	
	Margate									Aberystwyth	o c b	c c o	52	44	-	-		
	Ramsgate	*	*	48	41	-	-	0.0		Tenby							2.4	
	Folkestone	o	o c o	50	38	-	-	0.5		Swansea	-	-	54	38	-	-	0.7	
	Hastings	o	o b c o	47	36	-	-	0.6		Weymouth	m b c c	e m b c	49	35	-	-	1.3	
	Eastbourne	o c b c	c o	47	36	-	-	2.8		Teignmouth	e b c c	o	51	39	-	-	0.6	
	Brighton	b	c o	47	36	-	-	1.7		Torquay	b c m	o m f	51	37	-	-	0.3	
	Worthing	b c	c o	45	34	-	-	2.1		Paignton	b c m o	o c	51	37	-	-	3.5	
	Littlehampton	b c	c m	49	34	-	-	2.3		Penzance	b c c	c b c	56	43	-	-	2.5	
	Portsmouth (S. of Sea)	-	-	47	36	-	-	2.1		Newquay	o b	b o b	54	38	-	-	3.2	
	Bournemouth	*	*	46	33	-	-	0.0		Bude	c	b	55	33	-	-	2.4	
	Ventnor (I. of W.)	*	*	48	37	-	-	4.8		Ilfracombe	o	o	54	41	-	-	1.1	
									Weston-s-Mare	m o b c	b c m	49	31	-	-			

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										Sun.		BEAUFORT NOTATION.	THE BEAUFORT SCALE OF WIND FORCE. Used only for surface observations.	
	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL. †		Hours.					
	7h-13h.	13h-18h.	18h-24h.	1h-7h.				Day. 7h-13h.	Night. 18h-7h.						
Renfrew ...	b b c i f	o. o f	c. o p.	o. o f	51	36	34	mm.	mm.	2	4.5	b blue sky (not more than a quarter covered).	Limits of Velocity at about 30 feet above ground. Statute miles per hour. Metres per second.		
Eskdalemuir ...	b b c b c c	b b c b c c	b c. c. c. o	o. o f	49	35	31	-	-	0.1	4.0	bc sky partly cloudy (one half covered).			
Valencia (Cahire) ...	b c c b b c	b c c b c c	c. o. o	c. o	54	45	45	-	-	-	4.4	c generally cloudy (three quarters covered).			
Baldonnel ...	b c c b c c	b c c b c c	o. o f	b c. c. f	51	36	36	-	-	-	2.8	d drizzle, or fine rain.			
MANCHESTER (ANG. P.)	b z	b b c z	b. o. o f	o. o f	51	28	18	-	-	-	4	e wet air without rain falling.			
Ross on Wye ...	o. o f	b b c z	b. o. o f	o. o f	50	26	21	-	-	-	2.3	f fog. g gloom.			
Falmouth ...	o. o f	b c c	b. b c	o. o f	55	38	29	-	-	-	2.83	h hail. i lightning.			
Calshot (Hants) ...	b b c o. o f	o. o f	b. b c	o. o f	46	35	30	-	-	-	1.2	m mist. o overcast sky.			
Lympne (Folkestone) ...	o. o f	o. o f	o. o f	c. o. o f	45	34	34	-	-	-	0.0	p passing showers.			
Aberdeen ...	z f. b	b b c i f	z f. b	z f. b	49	28	25	-	-	-	5.2	q squalls. r rain.			
Howden ...	b c c i f	b c c i f	b. b c x	z f. b	51	22	19	-	-	-	4.7	rs sleet, i.e., rain and snow			
Cranwell (Lincs) ...	o. o f	b c c b b c	b. b c. b	x. b. b c	47	31	25	-	-	-	0.0	• together.			
Felixstowe ...	o. o f	o. o f	b c c z f	b. b c z f	47	35	3	-	-	-	0.0	s snow. t thunder.			
Shoeburyness ...	w. o. o f	o. o f	o. o f	z f. b	46	35	33	-	-	-	0.0	u ugly, threatening sky.			
Benson ...	b	b	b. b c	z f. b	42	29	27	-	-	-	0.1	v unusual visibility.			
S. Farnborough ...	o. o f	o. o f	o. o f	o. o f	44	30	28	-	-	-	0.0	w dew. x hoar frost.			
London (Kew Obs.) ...	x. o. o f	o. o f	o. o f	o. o f	46	31	29	-	-	-	0.0	y dry air; humidity less than 60 per cent.			
Croydon ...	o. o f	o. o f	o. o f	o. o f	45	32	3	-	-	-	0.0	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.

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

LONDON. OBSERVATIONS.										SOUTH KENSINGTON (Meteorological Office).				TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.						
Morning.		WEATHER.		Max. Temp. ° F.		Min. Temp. ° F.		Rain- fall. mm.		Sun- shine to Sunset. Hours.		HUMIDITY %								
		Afternoon.		Night.								15 h. G.M.T.		9 h. G.M.T.						
24 HOURS ENDED 9h G.M.T. 6 TH NOV ^R										YESTERDAY.		TO-DAY.		6 TH 7 TH NOVEMBER. 1920.						
														Vertical Component of Solar Radiation per Square Centimetre during yesterday.						
														Stations.						
														Sunrise.						
														G.M.T.						
														G.M.T.						
Greenwich (Royal Observatory)	f	f. o. m. s.	b. b f	41	33	29	-	0.0	11	91										
City (Bunhill Row)								0.0												
Westminster (St. James's Park)	f. o	o m	b f f	47	32	28	-	0.0	18											
Regents Park (Botanical Gdn)								0.0												
Camden Sq. (British Rainfall)	b c f. b c	c. o		48	31	27	-		11	100										
Kensington Palace	o f	o. o		47	30	24	-		18 (18h)	95										
Hampstead Observatory				45	35	29	Trace		1.8											
														Total 203 Joules.						
														Milliwatts.						
														Average Rate. 6.0						
														Maximum Rate. 12						
														Yarmouth						
														Greenwich						
														Wick						
														Valencia						

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

Exposure from 5^h 15^m to 6^h 15^m

Star.	Duration of Exposure.	Duration of Record.
Polaris	h. m.	h. m.
δ Ursae	12 30	6 20
Minoris	12 30	11 52

NOTES ON THE WEATHER OF YESTERDAY.

Except for light falls on the North-West coast the day was generally rainless. Sunshine was fairly abundant in the North and West, Blackpool, Eskdalemuir and St. Andrews each receiving 7 hours or more. Temperature was rather low in the East and South-East, the maximum generally failing to reach 50°. At Howden the minimum was as low as 22°, and at Manchester 25°. A good deal of fog occurred locally.

* Information for these columns not usually received.

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



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21,535 ... SUNDAY, 7TH NOVEMBER, 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 6 TH																							
Renfrew ...	1017.7	-1	SW 4	od.	52	85	7	1250	Nb	3	AS	1017.8	0	SW 3	01f	50	92	7	2,000	St	10	-	-
Eskdalemuir ...	1019.0	-1	SW 2	02f	48	92	5	1,250	St	10	-	1018.9	0	SW 4	02f	47	92	4	1,250	St	10	-	-
Valencia (Cahire'n)	1024.1	-2	WSW 2	bcl	54	75	9	2,000	Cu	2	Cl Cu	1023.3	0	WSW 2	0	50	92	8	5700	St Cu	3	AS	6
Baldonnel ...	1022.3	-1	SW 4	c	52	85	8	1,250	St	5	Cl	1022.0	0	SW 2	01f	50	85	7	750	St Cu	6	AS	4
Manchester (Alex. P.)	1022.4	-1	SW 2	01f	49	85	4	2,000	St Cu	10	-	1022.1	0	WSW 1	02f	47	92	4	2,000	St	10	-	-
Ross on Wye ...	1023.4	-1	W 2	c	53	65	8	2,000	St	1	Cl St	1023.4	0	W 1	0	46	85	6	2,000	St	9	AS	1
Falmouth ...	1024.9	0	NNE 2	bv	55	65	9	-	Cu	2	-	1025.0	0	NNW 1	b	45	85	9	-	St	1	-	-
Calshot (Hants) ...	1024.0	-1	NNE 1	b2f	49	75	4	-	-	-	-	1024.6	+2	NNW 1	b2f	41	92	4	-	-	-	-	-
Lymington (Folkestone)	1022.8	+1	NNE 3	bcl	50	75	6	2,000	St Cu	3	Cl St	1024.4	+2	NNE 1	b2f	41	92	6	-	-	-	-	-
Aberdeen ...	1018.6	-1	SW 1	03f	48	92	3	4,200	St Cu	6	AS	1018.5	0	SW 1	02f	49	92	3	4,200	St Cu	3	-	-
Howden ...	1021.9	-2	S 1	02f	48	92	7	3,000	St	10	-	1021.6	0	-	0	48	92	4	2,000	St	10	-	-
Cranwell (Lincoln)	1023.1	-1	WSW 3	bcl	50	75	4	4,200	St	2	AS	1023.1	0	WSW 3	02f	47	85	4	2,200	St	4	AS	6
Felixstowe ...	1023.3	-1	N 2	c	50	85	6	4,200	Cu	5	Cl St	1024.2	+1	-	0	b2f	40	97	5	-	-	-	-
Shoeburyness ...	1023.4	0	N 2	bcl	51	66	7	3,000	Cu	3	Cl	1024.0	+1	-	0	b2f	38	85	6	-	-	-	-
Benson ...	1024.1	0	-	0	51	97	1	-	-	-	-	1024.0	0	NNE 1	b	35	97	3	-	-	-	-	-
S. Farnborough ...	1024.1	0	SSE 1	b2f	41	97	2	4,500	St	2	Cl St	1024.7	0	-	0	b2f	35	92	4	1,250	St	1	-
London (Kew Obs.)	1023.7	-3	WNW 1	b2f	42	92	2	-	-	4	-	1024.4	+2	-	0	b2f	34	92	3	1,500	St	1	-
Croydon ...	1024.5	+1	WSW 1	b2f	42	92	3	1,250	St	5	-	1025.0	+1	SW 2	b2f	37	97	3	-	-	-	-	-
1H. G.M.T. OF 7 TH																							
Renfrew ...	1019.0	0	SW 3	02f	47	92	5	2,000	St	10	-	1019.4	0	SW 4	01f	51	92	6	1,250	St	10	-	-
Eskdalemuir ...	1022.1	0	SW 3	02f	51	-	-	-	-	-	-	1019.3	0	SW 4	02f	47	92	5	700	St	10	-	-
Valencia (Cahire'n)	1022.1	0	SW 3	02f	49	85	5	2,000	St	10	-	1021.5	0	SW 4	02f	47	92	6	2,000	St	6	AS	8
Baldonnel ...	1022.3	0	SSW 4	02f	49	85	5	2,000	St	10	-	1021.0	0	W 2	02f	49	85	9	2,000	St	10	-	-
Manchester (Alex. P.)	-	-	-	-	-	-	-	-	-	-	-	1024.1	0	SSW 1	02f	46	97	4	4,200	St Cu	8	AS	1
Ross on Wye ...	-	-	-	-	-	-	-	-	-	-	-	1023.9	0	W 1	0	45	97	6	2,000	St	2	AS	8
Falmouth ...	1025.5	0	SW 1	bv	44	97	7	-	St	2	-	1025.5	0	SW 1	0W	47	92	8	-	-	-	-	-
Calshot (Hants) ...	1025.5	0	N 1	b2f	37	97	2	-	-	-	-	1025.5	0	N 1	0W	39	97	2	1,250	St	10	-	-
Lymington (Folkestone)	1025.1	+1	NNE 2	b2f	40	92	6	-	-	2	-	1026.1	+2	-	0	b2f	37	97	4	-	-	-	-
Aberdeen ...	-	-	-	-	-	-	-	-	-	-	-	1015.4	0	SSW 1	01f	48	92	6	3,000	St	8	-	-
Howden ...	1022.2	+1	-	0	47	97	6	4,200	St	10	-	1021.7	0	-	0	47	97	3	5,700	St	8	AS	1
Cranwell (Lincoln)	1020.5	0	WSW 3	02f	46	92	5	3,000	St	6	AS	1023.5	0	WSW 3	02f	45	97	5	3,000	St	7	AS	2
Felixstowe ...	1025.0	+1	W 2	b2f	42	97	4	-	-	-	-	1025.3	0	SW 2	02f	40	97	4	-	-	-	-	-
Shoeburyness ...	-	-	-	-	-	-	-	-	-	-	-	1025.0	0	-	0	b2f	35	85	3	-	-	-	-
Benson ...	-	-	-	-	-	-	-	-	-	-	-	1024.5	0	-	0	39	97	6	-	-	-	-	-
S. Farnborough ...	-	-	-	-	-	-	-	-	-	-	-	1025.0	0	SSE 1	03f	35	97	3	2,000	St	8	AS	2
London (M.O. at 1h)	1024.6	+1	-	-	36	-	-	-	-	-	-	1025.0	0	-	0	41f	31	97	2	3,000	St	10	-
Croydon ...	1025.8	0	SSW 2	b2f	36	97	4	-	-	-	-	1025.5	0	SW 2	01f	39	92	6	3,000	St	8	AS	2

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 0-5.	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 6 TH						7H. G.M.T. of 7 TH						24 HOURS ENDED 7H. 7 TH						5 TH			
Lerwick	1009.6	51	SSW	4	om	1009.5	0	51	11	SW	3	SW	com	1	7	51	46	3mr	10mr	bc. omf	0.0
Stornoway	1012.0	51	WSW	3	om	1009.8	-1	52	12	WSW	4	-	c	3	4	52	50	op	op	op. o	0.0
Castlebay (Barra Is)	1014.6	52	WSW	4	om	1012.7	-1	54	12	SSW	5	-	o	4	1	54	50	op	op	op. o	0.0
Malin Head	1017.5	52	SW	3	o	1015.4	0	51	11	SEW	3	-	o	3	2	53	49	o	o	omd	0.0
Blacksod Point	1017.9	53	SW	3	om	1015.1	3	54	12	SW	2	-	omg	2	2	56	50	bcl	bc	omf	0.0
Roche's Point	1024.0	51	WSW	2	o	1024.0	0	51	10	W	1	-	-	2	0.3	57	44	b. bc	bc. o	c. bc. o	0.0
Birr Castle	1022.1	50	SW	1	c	1020.6	-	49	12	SSW	1	-	-	1	1	53	46	c. o	c. o. c	or	1.1
Donaghadee	1019.6	50	W	1	om	1019.1	0	49	11	WSW	1	-	com	1	1	53	48	bcm	cm	omf	0.0
Liverpool (Bidston)	1021.4	50	WSW	2	o	1022.1	0	48	17	WSW	1	W	c	2	-	54	41	c	o	od. o	1.5
Holyhead	1021.8	52	WSW	3	ag	1021.6	0	52	11	WSW	4	-	ag	2	-	56	49	c	chd. ag.	c. bc. o	1.4
Pembroke (St. Ann's Head)	1023.9	52	WSW	1	cv	1024.1	0	52	11	SW	3	-	ov	2	-	55	43	bcl	bcl	cv. ov	4.3
Scilly (St. Mary's)	1024.6	50	-	0	b	1024.7	0	50	11	WSW	1	W	bc	2	1	56	50	bv	bv	sv. b. bcl	8.7
Jersey (St. Aubin)	1022.9	49	NE	3	b	1025.7	0	39	8	NE	1	-	b	1	-	50	38	om. b	b	b. bc. o	5.5
Portland Bill	1023.6	49	N	2	bc	1023.6	0	49	10	N	2	-	o	3	-	52	40	om. bc.	bc	b. bc. o	0.0
Dungeness	1023.2	43	NE	2	b	1024.8	+1	35	12	NNE	1	NE	bc	2	-	51	34	c. bc.	bc	b. bc. o	0.0
Wick	1011.3	50	WSW	2	o	1010.9	-1	48	11	SW	2	-	bc	2	1	53	47	c	o	op. c. bc	0.0
Nairn	1013.6	51	W	1	c	1012.2	0	50	9	-	0	-	bc	1	-	54	46	cg	cg	cg. w	0.0
Leith	1016.7	51	SW	2	o	1016.7	0	50	12	SW	2	-	o	1	-	53	45	o	op. o	d. bc. o	0.0
Tynemouth	1020.4	50	WSW	1	cm	1019.7	0	50	11	WSW	1	-	com	1	-	53	40	f	c	om. f	0.0
Spurn Head	1021.5	49	W	3	om	1021.6	0	47	17	WSW	3	-	cg. m	2	-	51	37	bcl	c. om	om. f	0.0
Yarmouth (Gor Is.)	1023.2	44	WSW	1	b	1023.8	0	39	11	WSW	3	-	com	1	-	52	36	bc	bcm. bn	bm. bc. cm	6.0
Clacton-on-Sea	1023.9	43	WNW	1	m	1024.7	0	39	13	W	2	NW	bcm	1	-	52	36	bcm. 2.	bc. 2. m	bcm	6.0
Nottingham	1022.8	45	SW	1	c	1023.3	0	43	14	SW	1	SW	com	4	-	51	28	f. m. b	bc. cm	c. o	0.5

Information for these columns not usually received.

The barometric change is expressed in half millibars.

For code see page 3

See footnote p. 3.

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 7.11.1920.

Temperature reported from Coastal and Cross Channel Steamers

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

Position Number	Date	Time G.M.T.	Sea ° F.	Air ° F.
12	6 th	0451	58	54
4A	6 th	0440	53	52
5	6 th	1006	54	54
3	6 th	0715	55	54
4A	7 th	0630	49	48
8	7 th	0500	53	51
7	7 th	0450	54	52
3	7 th	0910	58	56

CHART OF POSITION NUMBERS and Upper Cloud



GENERAL INFERENCE from observations received up to 9h.

The anticyclone has receded slowly to the Southward and is now centred over the English Channel region. It appears probable that the South-Westerly wind will extend to all districts with a good deal of cloud and a higher temperature than of late. Some rain or showers may be expected in the Western and Northern Districts.

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 figure in small circles.
TEMPERATURE.—Temperature is given in degrees F.
WEATHER SYMBOLS.—sky & cloud, overcast sky, snow, sleet, fog, thunder, rain falling, hail, mist, thunderstorm, high.
SEA DISTURBANCE.—Rough, High.

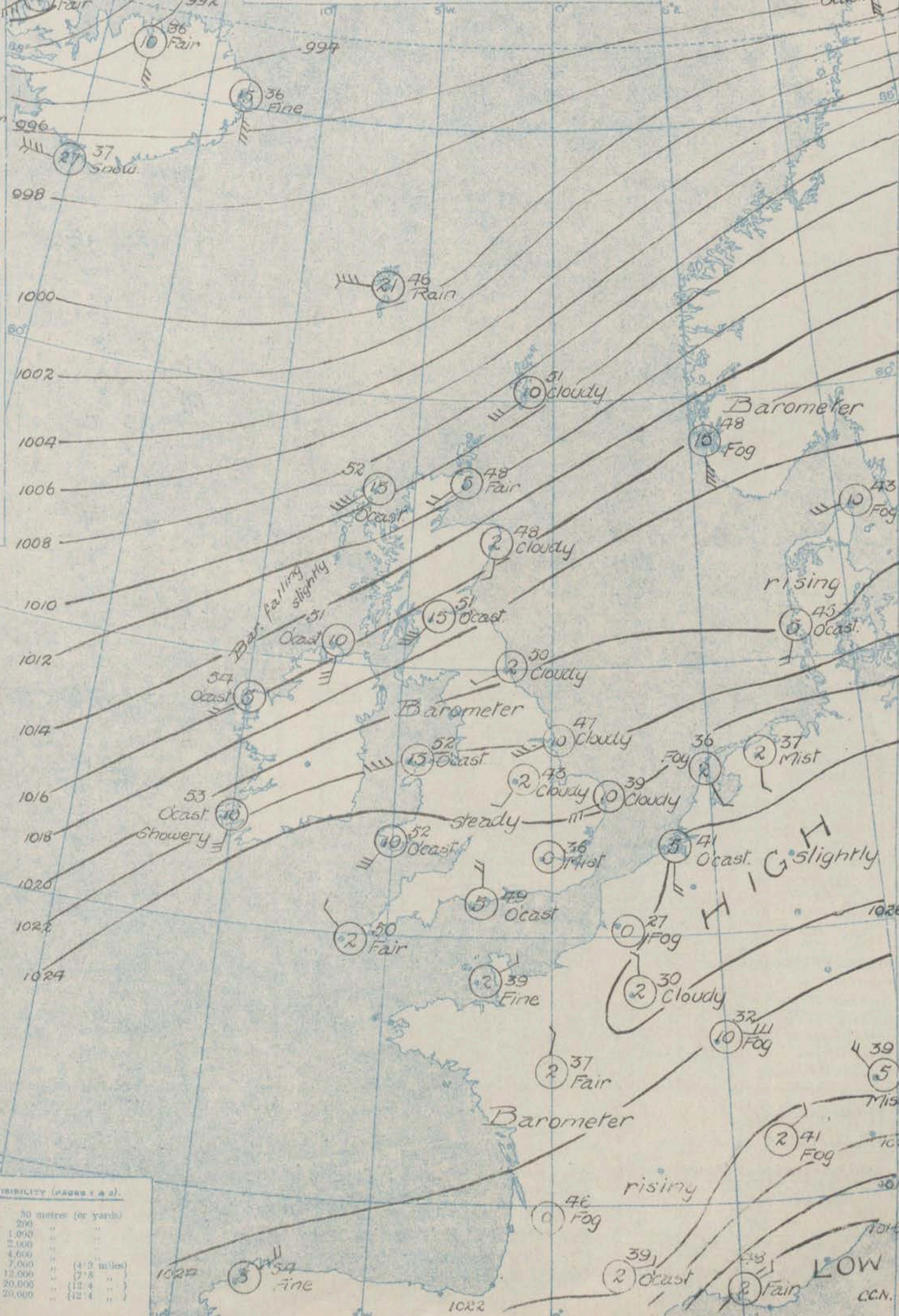
Further Outlook.

Districts. Forecasts for the 24 hours commencing 15 h. G.M.T. Sunday, 7th November, 1920.

1. S.E. England	Wind between W. and S.W., light to moderate; cloudy or overcast, fairer intervals, mist at times locally; visibility indifferent to fair; temperature rising.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	Wind between S. and S.W., light or moderate; much cloud generally, some local rain or showers, mist at times in places, visibility mainly fair; moderate or rather high temperature.
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	

South-Westerly winds, weather becoming less stable generally.

A hand-drawn map showing a coastline with points labeled 988, 990, and 992. A scale bar indicates distances in Nautical Miles (0 to 200) and Statute Miles (0 to 300). The word "LOW" is written near point 988.



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

Westerly
weather
less
generally.

R.S. Directive

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 312.

Sunday,
7th November

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 6 TH																		
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-6h. 5-6h.	Day. 6h-12h. 6-1h.	Sunrise to Sunset. 6h.			Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-6h. 5-6h.	Day. 6h-12h. 6-1h.	Sunrise to Sunset. 6h.	
Scotland.	Oban	c.ch	o	54	39	3	1	0.0	England, N.W.	Douglas (I.O.M.)							0.0	
	Banff	od	o	53	40	1	0.3	0.0		Blackpool	of	of	51	34	1	-	0.4	
	Montrose									Southport	c.o	oe.s	52	36	0.2	-		
	St. Andrews																	
England, N.E.	Harrogate	c.o	c.of	49	36	-	-	0.1	Midlands.	Buxton							2.5	
	Scarborough	b	b	52	37	-	-	1.9		Leamington Spa	of	bc	49	28	-	-	7.3	
	Skegness									Malvern	b.bc	bc2	52	36	-	-	3.7	
	Lowestoft									Bath	m.b	bm	52	31	-	-		
England, E.	Felixstowe	bm	bm	51	35	-	-	5.9	Wales.	Rhyl								
	Southend-on-Sea	b	b.bc	51	35	-	-	5.2		Colwyn Bay			55	37	-	-	3.1	
England, S.E.	Tunbridge Wells	om.b.	bm	52	35	-	-	4.5		England, S.W.	Llandudno			52	36	-	-	1.3
	Margate	b	b.bc	50	46	-	-	5.7			Aberystwyth	c.bc	c.o					
	Ramsgate	*	*	50	41	-	-	4.9	Tenby									
	Folkestone	c	c	52	39	-	-	1.0	Swansea								7.4	
	Hastings	b.bc	c.bc.b.	53	39	Trace	-	6.0	Weymouth	b	b	55	37	-	-			
	Eastbourne	*	*	53	39	-	-	6.8	Teignmouth									
	Brighton								Torquay							7.1		
	Worthing	b	b	50	37	-	-	5.4	Paignton	b	bm	55	34	-	-	8.3		
	Littlehampton								Penzance	b.bc	b	57	41	-	-			
	Portsmouth (S. Head)	*	*	50	38	-	-	6.2	Newquay							8.1		
	Bournemouth	*	*						Bude	b	b	55	32	-	-	6.4		
	Ventnor (I. of W.)	*	*	50	36	-	-	7.5	Ilfracombe	bc.b.	b.bc.b.	55	36	-	-			
									Weston-s-Mare									

SUMMARIES FOR PAST 24 HOURS.											BEAUFORT NOTATION.			THE BEAUFORT SCALE WIND FORCE.		
STATIONS.		WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	RAINFALL. †		Sun. Hours.	Limits of Velocity at about 30 feet above ground.				
		7h-12h.	12h-18h.	18h-6h.	6h-12h.				Day. 7h-12h.	Night. 12h-7h.		No.	Statute miles per hour.	Metres per second.		
Renfrew ...	...	of	of	of	of	53	40	47	0.1	0.0	b blue sky (not more than a quarter covered).	0	Less than 1	Less than 0.9	
Esksdalemuir ...	...	2fe 0.2f	0.2f	c. 0.0	0.2f 0.2f	49	40	32	0.1	0.0	bc sky partly cloudy (one half covered).	1	1-8	0.9-1.5	
Valencia (Cahire) ...	...	bc.s.	bc.s.	of	of	50	49	46	-	1.5	c generally cloudy (three quarters covered).	2	8-12	1.5-2.5	
Baldonnel ...	...	c.v	c. 0.4	0.2f	0.1f 0.2f	54	48	45	-	2.4	d drizzle, or fine rain.	3	13-18	2.5-3.9	
Manchester (Alex. Pk) ...	...	0.2f bc 0.2f of	0.2f 0.2f	0.2f 0.2f	0.2f 0.2f	51	41	26	Trace	Trace	e wet air without rain falling.	4	18-24	3.9-10.7	
Ross on Wye ...	...	0.2f bc 0.2f bc	0.2f bc	0.2f bc	0.2f bc	51	41	32	-	6.4	f fog.	5	25-31	10.7-13.9	
Falmouth ...	...	b.bc	b.bc	of	of	50	39	32	-	7.8	g gloom.	6	32-38	13.9-17.1	
Calshot (Hants) ...	...	0.2f	0.2f	of	of	50	38	28	-	6.0	h hail.	7	39-46	17.1-20.4	
Lympne (Folkestone) ...	...	0.2f bc 0.2f bc	0.2f bc	0.2f bc	0.2f bc	50	37	25	Trace	Trace	i lightning.	8	47-54	20.4-24.4	
Aberdeen ...	...	of	of	of	of	52	42	42	1	0.0	m mist.	9	55-63	24.4-28.3	
Howden ...	...	0.0 0.2f	0.2f	0.2f	0.2f	50	28	26	-	0.0	o overcast sky.	10	64-75	28.3-33.8	
Cranwell (Lincs) ...	...	b.bc 0.2f	0.2f	0.2f	0.2f	51	32	31	-	0.7	p passing showers.	11	Above 76	33.8 or above	
Felixstowe ...	...	2f bc	0.2f	0.2f	0.2f	52	35	25	-	5.7	q squalls.	12			
Shoeburyness ...	...	0.2f bc	0.2f bc	0.2f bc	0.2f bc	52	30	25	-	6.8	r rain.				
Benson ...	...	0.2f bc	0.2f bc	0.2f bc	0.2f bc	48	29	27	-	Trace	rs sleet, i.e., rain and snow together.				
S. Farnborough ...	...	0.2f bc	0.2f bc	0.2f bc	0.2f bc	48	28	26	-	Trace	s snow.				
London (Kew Obs.) ...	...	0.2f bc	0.2f bc	0.2f bc	0.2f bc	47	31	28	-	Trace	t thunder.				
Croydon ...	...	0.2f bc	0.2f bc	0.2f bc	0.2f bc	45	30	28	-	Trace	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.					
											rc = continuous moderate rain.					
											r.f. = continuous light rain.					

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.	Motres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-5.8
3	8-12	5.9-7.9
4	13-18	8.0-10.7
5	19-24	10.8-13.9
6	25-31	13.9-17.1
7	32-38	17.2-20.7
8	39-46	20.8-24.4
9	47-54	24.5-28.4
10	55-63	28.5-32.5
11	64-75	32.6-38.4
12	Above 76	38.5 or above

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

LONDON. OBSERVATIONS		WEATHER.			Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rain- fall. in.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
		Morning.	Afternoon.	Night.						15h. G.M.T.	9h. G.M.T.		Stations.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
24 HOURS ENDED 7h G.M.T. 7.15.....										YESTERDAY.	TO-DAY.	7 th AND 8 th NOVEMBER 1900				
										Vertical Component of Solar Radiation per Square Centimetre during yesterday.		Yarmouth... { 7.0 11.37 4.14				
										Total Joules.		Greenwich { 7.2 11.44 4.23				
										Milliwatts.		Wick { 7.5 11.56 4.18				
										Average Rate.		Valencia ... { 7.7 12.25 5.1				
										Maximum Rate.						
Greenwich (Royal Observatory)	f	f	xf. 0.3.0	41	33	30	-	0.1	88	91						
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	"						
Westminster (St. James's Park)	"	"	f	40	33	28	"	"	100	90						
Regent's Park (Barnard's Inn)	"	"	"	"	"	"	"	"	"	"						
Camden Sq. (British Rainfall)	f	f. 0.0m	"	40	33	27	"	"	100	92						
Kensington Palace ...	of	of. of	"	45	30	27	"	"	98 (18h)	96						
Hampstead Observatory	"	"	"	"	"	"	"	"	"	"						

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.

Temperature rose to about 55° at some stations on the South-Western and Western coasts, but only touched 39° at Croydon. Frost occurred at night in the South-East of England. Bright sunshine records were good over a large portion of England except where fog prevailed, but in Ireland and Scotland the day was mainly overcast. Some rain fell in the extreme North and West.

* Information for these columns not usually received.

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

DON

20.

TEMPERATURE.

Max. Min.

°F. °F.

50 46

50 45

51 52

52 54

53 55

54 56

55 57

56 58

57 59

58 60

59 61

60 62

61 63

62 64

63 65

64 66

65 67

66 68

67 69

68 70

69 71

70 72

71 73

72 74

73 75

74 76

75 77

76 78

77 79

78 80

79 81

80 82

81 83

82 84

83 85

84 86

85 87

86 88

87 89

88 90

89 91

90 92

91 93

92 94

93 95

94 96

95 97

96 98

97 99

98 100

99 101

100 102

101 103

102 104

103 105

104 106

105 107

106 108

107 109

108 110

109 111

110 112

111 113

112 114

113 115

114 116

115 117

116 118

117 119

118 120

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 2, 536

MONDAY... 8th NOVEMBER... 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 0-9.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.
			Force 0-12.	Dir.						Form.	Am.	Form.	Am.				Force 0-12.	Dir.						Form.	Am.	Form.	Am.	
13H. G.M.T. OF 7 TH																												
Renfrew ...	1019.0	0	SSW	5	od.	52	75	6	1250	St	10	-	-	-	1018.4	+2	SSW	4	od.	52	75	6	1250	Nb	10	-	-	-
Eskdalemuir ...	1019.4	0	SW	5	0	50	75	6	1250	St	10	-	-	-	1020.3	+1	SW	5	omc	49	77	6	1250	St	10	-	-	-
Valencia (Cahire's)	1022.7	0	SW	4	0	54	72	7	780	St	7	ASh	1	4	1023.5	+2	SW	3	0	54	72	7	1250	St	10	-	-	4
Baldonnel ...	1021.4	0	SW	5	09	53	75	9	2000	St	8	ASh	2	8	1022.3	0	SW	5	09	53	75	9	1250	St	4	ASh	6	8
Manchester (Alex. R.)	1023.1	0	SW	3	02f	52	75	5	4200	St	6	ACu	3	8	1024.0	+2	SSW	2	02f	50	73	4	4200	St	10	-	-	8
Ross on Wye ...	1024.5	11	WSW	3	04f	53	75	6	2000	St	1	ASh	9	8	1025.3	+1	SW	2	0	50	72	6	-	-	ASh	9	8	8
Falmouth ...	1026.5	0	WSW	1	C	53	75	7	-	St	7	-	-	-	1027.1	+1	WSW	1	C	51	75	5	-	St	7	-	-	8
Calshot (Hants) ...	1024.4	0	SW	1	02f	51	75	5	4200	St	10	-	-	0	1027.4	+2	-	0	04f	50	77	6	4200	St	10	-	-	0
Lymington (Folkestone)	1026.0	0	SW	2	04f	50	75	5	-	-	-	ACu	9	8	1027.3	+1	-	0	02f	46	72	4	3000	St	10	-	-	8
Aberdeen ...	1014.8	-1	SSW	3	bif	56	75	7	4200	St	1	-	-	2	1015.1	+1	SSW	3	Cife	52	75	6	4200	St	7	-	-	2
Howden ...	1022.0	0	WSW	3	0	54	75	7	5700	St	9	-	-	8	1023.9	+2	SW	4	b	46	72	5	3000	St	4	-	-	8
Cranwell (Lines) ...	1024.4	11	WSW	3	0	52	75	5	4200	St	6	Cu	3	8	1025.3	+3	SW	3	02f	49	72	5	3000	St	4	ASh	6	8
Felixstowe ...	1025.9	-1	SSW	3	02f	49	73	5	5700	St	10	-	-	8	1026.9	+1	W	1	02f	47	73	4	4200	St	10	-	-	8
Shoeburyness ...	1025.9	11	SW	2	Cife	50	68	6	-	-	-	ACu	8	8	1026.5	+1	-	0	0	47	73	5	4500	St	10	-	-	8
Benson ...	1026.2	11	SE	1	0	49	75	6	-	St	10	-	-	8	1026.3	+1	W	1	0	49	72	5	-	St	10	-	-	8
S. Farnborough ...	1025.4	0	WSW	2	0	51	75	7	2000	St	10	-	-	8	1026.5	+1	WSW	1	0	47	72	7	2000	St	10	-	-	8
London (Row Obs.)	1025.9	-1	W	2	03f	49	75	3	3000	St	9	-	-	8	1026.7	+2	WSW	1	02f	48	72	4	2000	St	8	ASh	2	8
Croydon ...	1025.9	0	SW	2	02f	52	75	4	4200	St	7	ACu	3	8	1026.9	+2	SW	2	02f	49	75	5	2000	St	10	-	-	8
1H. G.M.T. OF 8 TH																												
Renfrew ...	1022.6	+2	SSW	4	02fe	51	97	4	-	St	10	-	-	-	1022.9	+2	SSW	4	02fe	53	97	4	1250	St	10	-	-	8
Eskdalemuir ...	1024.5	0	SSW	5	ompg	53	-	-	-	-	-	-	-	6	1024.0	+2	SSW	3	02fe	50	97	5	750	St	10	-	-	8
Valencia (Cahire's)	1024.5	0	SSW	5	ompg	53	-	-	-	-	-	-	-	6	1023.5	+2	S	3	0	55	97	6	750	St	10	-	-	0
Baldonnel ...	1025.0	+2	SW	3	02f	54	92	4	750	St	10	-	-	8	1025.5	+1	SW	4	02f	52	92	7	750	St	10	-	-	4
Manchester (Alex. R.)	-	-	-	-	-	-	-	-	-	-	-	-	-	8	1027.0	+2	SSW	2	02f	50	92	4	3000	St	10	-	-	8
Ross on Wye ...	-	-	-	-	-	-	-	-	-	-	-	-	-	8	1028.6	+2	-	0	05fe	39	97	1	4500	St	8	-	-	8
Falmouth ...	1028.8	+1	W	2	C	52	85	6	-	St	7	-	-	8	1029.7	+2	-	0	0	50	92	8	-	St	9	-	-	8
Calshot (Hants) ...	1028.3	+1	-	0	03f	48	97	3	2000	St	10	-	-	0	1030.3	+2	-	0	03f	46	97	2	1250	St	10	-	-	0
Lymington (Folkestone)	1029.1	+1	-	0	02f	46	92	5	3000	St	10	-	-	8	1031.1	+4	S	3	01f	47	92	6	2000	St	10	-	-	8
Aberdeen ...	-	-	-	-	-	-	-	-	-	-	-	-	-	8	1021.3	+2	W	1	03fe	48	97	2	3000	St	8	-	-	2
Howden ...	1025.2	+1	-	0	cm	45	97	5	4200	St	7	-	-	8	1026.7	+1	-	0	04fe	39	97	1	4500	St	10	-	-	8
Cranwell (Lines) ...	1026.5	0	WSW	3	bc	42	92	5	3000	St	4	-	-	8	1027.8	+2	WSW	3	bc	46	97	5	2000	St	4	Cu	2	8
Felixstowe ...	1028.6	+2	W	1	bif	45	97	5	-	-	-	-	-	1	1030.2	+2	WSW	1	06f	39	97	1	4500	St	10	-	-	0
Shoeburyness ...	-	-	-	-	-	-	-	-	-	-	-	-	-	8	1029.9	+2	-	0	08fw	35	92	0	4500	St	10	-	-	8
Benson ...	-	-	-	-	-	-	-	-	-	-	-	-	-	8	1028.8	+2	-	0	4fe	46	97	2	-	-	-	-	8	
S. Farnborough ...	-	-	-	-	-	-	-	-	-	-	-	-	-	8	1024.9	+3	NW	1	04f	41	97	2	750	St	7	-	-	8
London (M.O. at 1h)	1028.1	+1	-	-	-	-	-	-	-	-	-	-	-	8	1030.4	+3	-	0	07fw	39	97	0	4500	St	10	-	-	8
Croydon ...	1028.7	+1	S	2	02fw	44	97	5	-	-	-	ASh	2	8	1030.2	+3	S	2	02fw	41	97	4	2000	St	2	ASh	1	8

STATIONS CONTRIBUTING REPORTS AT 7H. AND 19H.

STATIONS.	Barom. at M.S.L.	TEMP.	WIND.		Weather.	BAROMETR.		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.	
	19H. G.M.T. of 7 th																26 HOURS ENDED 7H. 8 th			Y th	
Lerwick	1008.4	53	SW	6	omr	1020.7	+3	43	-8	-	0	-	bc	0	4	53	42	omr	omr	bc	4
Stornoway	1012.5	53	WSW	4	C	1018.4	0	49	-3	-	0	-	0	0	2	56	48	opq	oc	c.o	0.0
Castellbay (Barra's)	1015.4	54	WSW	4	0	1019.1	0	54	0	SSW	4	-	r	4	2	54	52	or	ro	or.or	0.0
Malin Head	1016.6	55	SW	1	0													C	0		
Blacksod Point	1018.8	54	SW	2	omr	1018.3	+1	56	+2	SW	2	-	omr	3	6	56	50	omd	omr	omd.omr	4
Roche's Point...	1024.9	54	W	2	0	1027.0	+1	55	+4	SW	4	-	0	4	0.3	56	51	0	po.co	0	4
Birr Castle	1022.3	54	S	1	r	1024.9	-	53	+4	S	1	-	0	3	54	49	cd.c.o	odr	op.o	0.1	4
Donaghadee	1019.6	54	WSW	2	0	1023.4	+2	52	+3	SW	2	-	omr	1	0.4	54	48	om	om	omr	4
Liverpool (Bldston)	1023.1	51	SW	2	0	1026.8	+2	52	+4	SW	1	W	0	2	-	54	48	cop	oc	0	0.0
Holyhead	1023.0	54	SW	4	og	1026.2	+1	54	+2	SW	4	-	op	3	trace	55	51	oco	oco	op.doe	0.0
Pembroke (St. Ann's Head)	1025.5	54	WSW	3	bcy	1022.7	+2	54	+2	SW	3	-	ov	3	-	56	52	ov	ov	bbr.cn	0.2
Silly (St. Mary's)	1026.4	53	-	0	C	1029.5	+1	53	+3	WSW	1	-	0	2	-	57	53	bcy	bcc	o.c.o	2.2
Jersey (St. Aubin)	1027.0	48	NW	1	0	1029.6	+1	50	+1	ESE	2	-	0	1	1	55	39	bo	obom	omop.o	2.0
Portland Bill	1025.4	54	W	2	C	1028.4	+1	52	+3	H	-	0	C	2	-	57	48	oc	C	c.o.p	4
Dunagness	1026.4	51	SSW	2	bc	1029.5	+2	51	+6	SW	3	SW	C	3	-	54	34	cme	c.b.c	c.o.c	4
Wick	1012.5	53	SW	2	bc	1019.3	+2	50	+2	SE	1	-	C	1	-	55	45	bcc	bc	bc.c	4
Nairo	1013.6	54	W	3	C	1019.7	-	52	+2	-	0	-	og	0	-	57	49	bcc	q.b.c.c	ca	4.7
Leith	1019.1	53	SW	3	C	1022.3	+1	54	+4	SW	1	-	0	1	0.1	56	50	oc.bc	c.b.c.c	c.b.p.o	4
Tynemouth	1020.6	51	WSW	2	bcm	1024.3	+2	53	+3	W	1	-	cm	0	trace	55	50	bcm	bcm	ompt.bcm	4
Spurn Head	1023.9	50	SW	3	ogm	1028.4	+1	46	-1	SW	3	-	bcm.w	2	-	54	43	cm	cm	bm	4
Yarmouth	1025.1	46	WSW	2	b	1028.1	+2	38	-1	W	3	-	fe	1	-	53	38	embcm	bm	b.b.le	0.6
Clacton-on-Sea	1026.4	49	SSW	2	m	1030.6	+3	43	+4	W	1	W	cm	1	-	50	39	bcom	ogm	o.b.bcm	0.3
Nottingham	1024.9	50	SW	1	C	1028.0	-	44	+1	SW	1	SW	cm	4	-	54	41	com	om	bc.c	0.0

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 8.11.1920.

Temperature reported from Coastal and Cross Channel Steamers.

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

Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F

CHART OF POSITION NUMBERS and Upper Cloud



SYNOPTIC CHART FOR MORNING OF MONDAY, 8TH NOVEMBER, 1920.

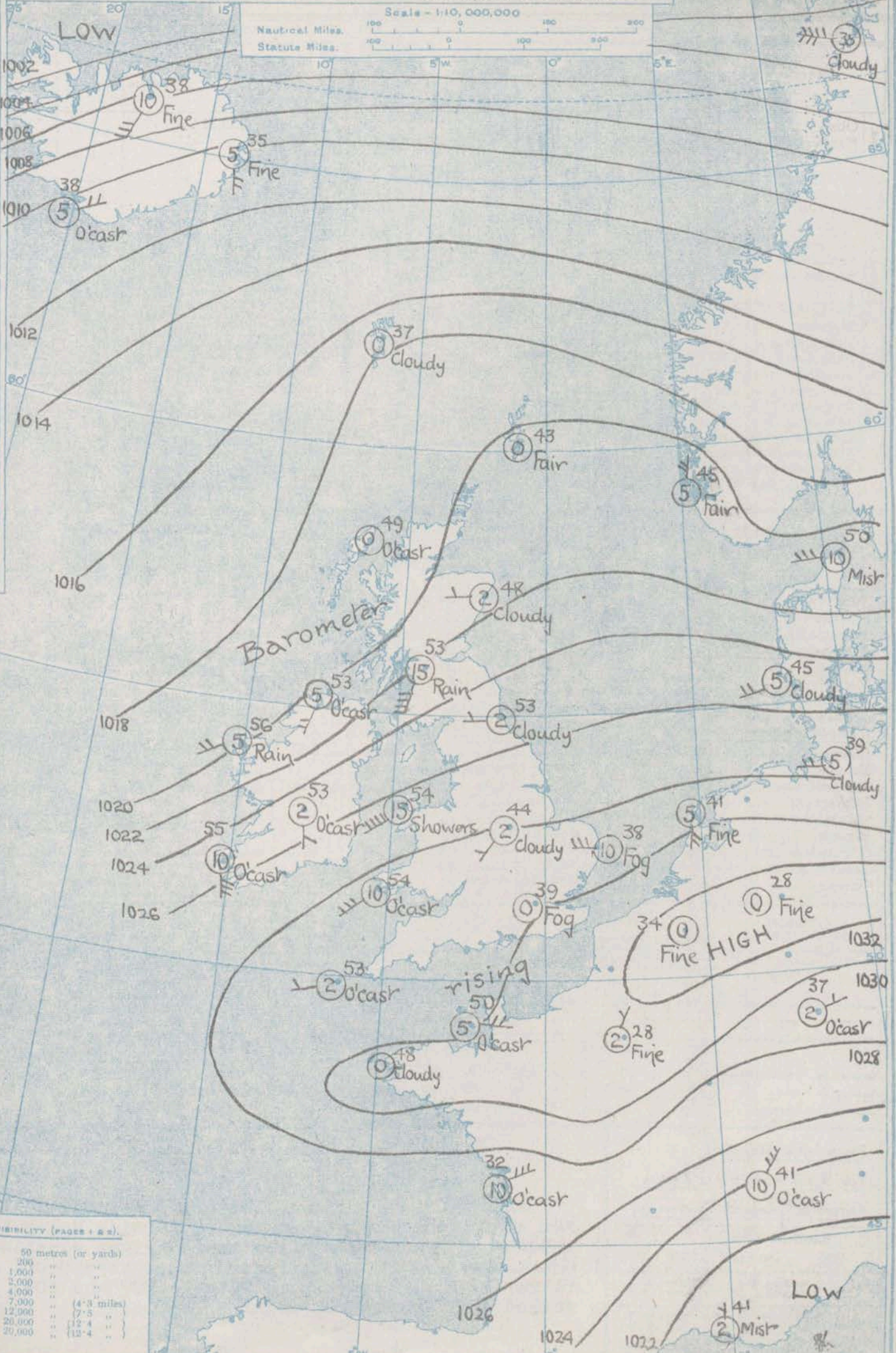


NATION.
are drawn for
alliance.
is shown by arrows
and Force, on the sea
by the number of
is shown in circles
in small circles.
given in degrees & minutes.
sky & clouds.
sky & clouds.
rain falling.
elect.
mist.
thunderstorm.
High
Outlook.

Foggy
than 24
East and
England
outlook
elsewhere

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

Code	Objects not visible at	50 metres (or yards)
0	Very Poor	200
1	Poor	1,000
2	Indifferent	2,000
3	Good	4,000
4	Very Good	7,000
5	Exceptional visibility.	12,000
6		20,000
7		20,000
8		20,000
9		20,000
10		20,000
11		20,000
12		20,000
13		20,000
14		20,000
15		20,000
16		20,000
17		20,000
18		20,000
19		20,000
20		20,000
21		20,000
22		20,000
23		20,000
24		20,000
25		20,000
26		20,000
27		20,000
28		20,000
29		20,000
30		20,000
31		20,000
32		20,000
33		20,000
34		20,000
35		20,000
36		20,000
37		20,000
38		20,000
39		20,000
40		20,000
41		20,000
42		20,000
43		20,000
44		20,000
45		20,000
46		20,000
47		20,000
48		20,000
49		20,000
50		20,000
51		20,000
52		20,000
53		20,000
54		20,000
55		20,000
56		20,000
57		20,000
58		20,000
59		20,000
60		20,000
61		20,000
62		20,000
63		20,000
64		20,000
65		20,000
66		20,000
67		20,000
68		20,000
69		20,000
70		20,000
71		20,000
72		20,000
73		20,000
74		20,000
75		20,000
76		20,000
77		20,000
78		20,000
79		20,000
80		20,000
81		20,000
82		20,000
83		20,000
84		20,000
85		20,000
86		20,000
87		20,000
88		20,000
89		20,000
90		20,000
91		20,000
92		20,000
93		20,000
94		20,000
95		20,000
96		20,000
97		20,000
98		20,000
99		20,000
100		20,000



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 313.

MONDAY
18th Nov. 1920

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Yth

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night 12h-18h.	Day 9h-12h.			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night 12h-18h.	Day 9h-12h.	
Scotland.								England, N.W.							
Oban ...								Douglas (I.O.M.)							
Banff ...	b	b bc	60	43	0.1	-	5.7	Blackpool ...	-	-	53	44	-	-	0.0
Montrose ...								Southport ...	o	oco bc	53	47	0.1	-	0.0
St. Andrews ...								Morescambe.							
England, N.E.								Midlands.							
Harrogate ...	o	o	51	46	-	-	0.0	Buxton ...			54	50	-	-	0.0
Scarborough ...	1	1	54	47	-	-	0.0	Leamington Spa...	o	o	54	50	-	-	0.0
Skewness ...								Malvern ...							0.3
England, E.								Wales.							
Lowestoft ...								Bath ...	oc bc	co	54	35	-	-	0.2
Felixstowe ...	af	om	50	37	-	-	0.1	Rhyl ...	c	c bc	55	45	-	-	0.7
Southend-on-Sea...	oc	o	53	37	-	-	0.3	Colwyn Bay ...			55	49	0.1	-	0.7
England, S.E.								Llandudno ...	*	*	55	49	0.1	-	0.7
Tunbridge Wells	om oc	co	53	32	-	-	0.3	Aberystwyth ...							
Margate ...	c	c	55	40	-	-	1.7	Tenby ...							
Ramsgate ...			53	37	-	-	4.2	Swansea ...							0.3
Folkestone ...	oc	bc c	53	41	-	-	1.5	Weymouth ...	omc	co	57	37	-	-	0.4
Hastings ...	c bc	b bc o	55	45	-	-	3.6	Teignmouth ...							0.4
Eastbourne ...	o	bc	54	35	-	-	2.5	Torquay ...	c	c	56	42	-	-	0.3
Brighton ...	of c	co	52	36	-	-	0.7	Paignton ...	b. bc	cmbc bc	57	36	-	-	0.3
Worthing ...	b c c	bcc	51	35	-	-	1.1	Penzance ...	o	c	56	44	-	-	0.2
Littlehampton ...								Newquay ...	op d. bc	opc	56	40	1	1	0.5
Portsmouth (S. base)	-	-	53	35	-	-	0.2	Bude ...			54	45	1	1	0.5
Bournemouth ...	*	*	53	34	-	-	0.8	Ilfracombe ...	oc p	op	54	45	1	1	0.5
Ventnor (I. of W.)	*	*						Weston-s-Mare ...	beco	crc	55	43	-	-	

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.	1h-7h.				Day 7h-18h.	Night 18h-7h.	
Renfrew ...	oif pd.	oif pd. op	oif pd.	oif pd.	54	51	50	mm.	0.4	0.3
Eskdalemuir ...	2fc o	oif c	oif pd.	oif pd.	51	46	48	trace	1	0.0
Valencia (Cahine's)	op o	op o	o	o	55	52	52	1	1	0.0
Baldonnel ...	ov	ov	oif	oif	55	48	50	-	0.1	0.3
Manchester (Alex. R.)	oif c	oif	oif	oif	53	45	37	-	-	*
Ross on Wye ...	o c o	oif	oif	oif	54	38	36	-	0.1	1.5
Falmouth ...	o bc o	o bc o	o bc o	o bc o	56	46	43	trace	-	0.6
Calshot (Hants) ...	oif oif	oif	oif	oif	53	39	41	-	-	0.0
Lymington (Folkestone)	bcc co oif	oif	oif	oif	50	38	*	-	-	4.4
Aberdeen ...	1fc if	1fc if	1fc 2fc	2fc 3fc	55	47	37	-	-	5.7
Howden ...	oif o	bcc 2	bcc 3fc	bcc 4fc	55	39	34	-	-	0.7
Cranwell (Lincs) ...	oif o	po. bcc	bc. cws	b2fc	53	46	44	0.1	0.1	0.0
Felixstowe ...	b oif	oif	oif b. bc	b o. 4fc	50	36	*	-	-	0.1
Shoeburyness ...	2. 2fc	co oif	3fc 2. 5fc	6. 8fc	53	33	30	-	-	1.8
Benson ...	o	o	b. bc. c	bcc 4. 5fc	51	34	38	-	-	*
S. Farnborough ...	oif pd. o	o	oif. oif	co 4. 5fc	52	34	36	-	trace	0.0
London (Kew Obs.) ...	3fc co	oif pd. oif	oif	6. 8fc	50	36	32	trace	-	0.2
Croydon ...	coif oif	oif	oif	oif	52	40	*	-	-	*

BEAUFORT NOTATION.

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

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
vr = 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	1.5-3.5
3	8-12	3.5-5.4
4	13-18	5.4-7.9
5	19-24	7.9-10.7
6	25-31	10.7-13.5
7	32-38	13.5-17.1
8	39-46	17.1-20.7
9	47-54	20.7-24.4
10	55-63	24.4-28.1
11	64-75	28.1-33.0
12	Above 75	33.0 or above

SYMBOLS.

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

LONDON OBSERVATIONS.

	WEATHER.								HOURS. G.M.T. G.M.T.	
	Morning.	Afternoon.	Night.				min.	YESTERDAY.	TO-DAY.	
	24 HOURS ENDED 9h G.M.T. 18th Nov. 1920.									
Greenwich (Royal Observatory)	om	om	om. b. o	53	36	29	-	0.1	82	96
City (Sunhill Row)	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James's Park)	*	*	f	51	35	29	-	0.0	82	95
Camden Sq. (British Rainfall)	-	-	*	50	36	30	-	*	-	100
Kensington Palace	of	of	*	52	36	29	-	*	89 (18h)	99
Hampstead Observatory ...	*	*	*	49	40	35	-	0.0	*	*

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.

8th & 9th Nov. 1920.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.2	11.37	4.19
Greenwich ...	7.4	11.37	4.10
Wick ...	7.7	11.44	4.19
Valencia ...	7.9	11.56	4.23

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from Yth to Zth h. 30 m. to 6 h. 0 m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	12.30	7.30	76
8 Ursae Minoris	12.30	7.22	59

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell in Ireland, Western Scotland and the Shetlands 6mm at Blacksod Point, and 4mm at Lerwick being the largest amounts. There were a few hours bright sunshine on the East Coast, but on the whole records were very poor. The maximum temperature was everywhere between 50° and 60°. Much fog formed over England at night.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 2137 TUESDAY, 9th NOVEMBER, 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.		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.
									Form.	Amt. 0-10.	Form.	Amt. 0-10.										Form.	Amt. 0-10.	Form.	Amt. 0-10.	
									18H. G.M.T. OF 8 TH																	
Renfrew ...	1023.4	0	SSW 5	0d	54	92	4	750	Nb	10	-	-	+	1023.6	+2	SSW 4	0d	55	97	5	750	Nb	10	-	-	+
Eskaudemuir ...	1024.9	-1	SSW 5	0d	52	92	6	1250	St	10	-	-	+	1025.3	+1	SSW 4	0d	51	97	3	-	St	10	-	-	+
Valencia (Cabren)	1027.7	+2	S 4	0d	55	97	5	750	St	10	-	-	+	1028.7	+2	S 3	0d	55	97	4	750	St	7	-	-	+
Baldonnel	1026.5	0	SW 4	0	57	85	8	2.000	St	10	-	-	+	1027.8	+2	SW 4	0d	55	92	5	1250	St	8	As	2	+
MANCHESTER (P. H. H.)	1028.5	+1	SSW 3	0d	56	75	3	3.000	St	10	-	-	+	1029.5	+2	SSW 3	0d	54	75	4	3.000	St	10	-	-	+
Ross on Wye	1030.0	+1	W 2	0d	53	92	5	2.000	St	10	-	-	+	1031.0	+1	SW 3	0	52	85	5	1250	St	10	-	-	+
Falmouth	1031.4	+1	WSW 1	0	56	75	8	-	St	7	As	2	+	1032.5	+2	-	0	52	92	5	-	St	10	-	-	+
Calshot (Hants)	1031.8	+2	-	0	53	85	5	2.000	St	10	-	-	0	1032.7	+1	-	0	52	92	5	4.200	St	10	-	-	0
Lymington (Folkestone)	1031.7	+1	SSW 3	Ci	53	85	6	1250	St	4	As	4	+	1033.3	+1	SSW 1	0d	47	92	6	1250	St	10	-	-	+
Aberdeen	1021.7	-2	SSW 2	0d	54	97	4	1250	St	10	-	-	2	1020.6	-1	SSW 2	0d	54	92	4	1250	St	10	-	-	2
Howden	1028.2	0	SSW 2	0d	56	92	3	3.000	St	9	-	-	+	1029.0	+1	SSW 1	0d	52	92	4	4200	St	10	-	-	+
Cranwell (Lincs)	1029.5	+1	WSW 3	bc	57	85	5	5.700	Cu	2	Ci	4	+	1030.2	+1	SSW 3	0d	51	75	4	4.200	St	9	-	-	+
Felixstowe	1031.7	0	-	0	50	97	4	-	-	-	-	-	0	1032.5	+2	-	0	46	97	1	4500	St	10	-	-	0
Shoeburyness	1031.1	0	-	0	58	75	4	-	-	-	-	-	+	1032.5	+2	-	0	48	92	3	4500	St	10	-	-	+
Benson	1031.3	+1	-	0	51	92	6	-	St	10	-	-	+	1031.8	+1	-	0	49	92	5	-	St	10	-	-	+
S. Farnborough	1031.1	0	W 2	0	56	75	7	2.000	St	9	-	-	-	1032.4	+2	-	0	51	92	7	1250	St	10	-	-	+
London (Kew Obs.)	1031.5	+1	WSW 2	Ci	51	92	4	-	-	As	7	-	+	1032.7	+1	-	0	50	92	3	2.000	St	10	-	-	+
Croydon	1031.5	+2	WSW 2	0d	54	85	4	2.000	St	6	As	3	+	1032.6	+2	SSW 2	0d	51	92	4	2.000	St	10	-	-	+
1H. G.M.T. OF 9 TH												7H. G.M.T. OF 9 TH														
Renfrew	1026.5	H	SSW 4	0d	52	97	3	-	St	10	-	-	+	1025.1	0	SW 4	0d	55	97	4	750	Nb	10	-	-	+
Eskaudemuir	1026.5	H	SSW 4	0d	52	97	3	-	St	10	-	-	+	1026.7	0	SSW 3	0d	52	97	3	750	St	10	-	-	+
Valencia (Cabren)	1029.1	H	S 3	0d	52	97	3	-	St	10	-	-	2	1028.6	-1	S 4	0	53	85	8	2.000	St	10	-	-	0
Baldonnel	1029.3	+1	SSW 4	0d	54	92	4	1250	St	10	-	-	+	1028.9	0	SSW 3	0d	53	92	5	750	St	9	-	-	+
MANCHESTER (P. H. H.)	1030.0	0	-	0	56	75	3	-	-	-	-	-	+	1030.0	0	S 2	bc	46	97	3	4200	St	10	-	-	+
Ross on Wye	1031.4	0	-	0	53	92	5	-	-	-	-	-	+	1031.4	0	W 1	0	52	85	5	2.000	St	10	-	-	+
Falmouth	1033.3	0	-	0	50	97	2	1250	St	10	-	-	+	1033.0	-1	N 1	0	43	97	8	-	St	10	-	-	+
Calshot (Hants)	1033.7	0	-	0	50	97	2	1250	St	10	-	-	0	1033.7	0	E 1	0d	50	92	3	1250	St	10	-	-	0
Lymington (Folkestone)	1033.4	H	-	0	50	97	2	1250	St	10	-	-	+	1034.0	0	-	0	43	85	5	1250	St	9	-	-	+
Aberdeen	1021.4	H	S 1	Ci	52	92	6	4200	St	6	Ci	1	2	1021.4	H	S 1	Ci	52	92	6	4200	St	6	Ci	1	2
Howden	1029.6	H	SSW 2	bc	50	97	6	3.000	St	10	-	-	+	1029.6	0	SSW 1	Ci	49	97	5	3.000	St	5	As	3	+
Cranwell (Lincs)	1030.7	0	WSW 2	bc	51	92	5	3.000	St	3	As	1	+	1030.6	0	WSW 3	bc	48	92	5	4200	St	3	As	2	+
Felixstowe	1033.9	0	-	0	47	97	2	1250	St	10	-	-	0	1033.5	0	-	0	48	97	3	750	St	10	-	-	0
Shoeburyness	1033.9	0	-	0	47	97	2	1250	St	10	-	-	+	1033.2	0	SW 1	Ci	48	85	4	1250	St	8	-	-	+
Benson	1033.9	0	-	0	47	97	2	1250	St	10	-	-	+	1033.2	0	SW 1	Ci	48	85	4	1250	St	8	-	-	+
S. Farnborough	1033.9	0	-	0	47	97	2	1250	St	10	-	-	+	1033.2	0	-	0	47	92	6	-	St	10	-	-	+
London (Kew Obs.)	1033.9	0	-	0	47	97	2	1250	St	10	-	-	+	1033.0	0	SW 1	0	47	85	7	2.000	St	10	-	-	+
Croydon	1033.9	0	SSW 2	0d	50	85	5	1250	St	10	-	-	+	1033.6	+2	SW 1	0d	48	97	4	3.000	St	10	-	-	+
														1033.2	-1	S 1	0d	49	92	4	2.000	St	10	-	-	+

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 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.
			Direc.	Force 0-12.		at M.S.L. mb.	Change in 8 hours.	Temp. °F.	Change in 8 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. 9 th							8 th
Lerwick	1016.4	50	S	2	0md	1014.3	0	52	19	WSW	4	-	0md	2	1	54	42	C	0md	0dm	+
Stornoway	1016.5	56	S	5	0	1019.0	0	54	15	SW	4	-	0	3	1	56	48	0	0p.0	bc.0	0.0
Castlebay (Barra)	1019.5	55	W	5	0	1021.9	0	56	H	WSW	4	-	0p	4	1	55	53	P	1.0	op	0.0
Malin Head	1021.6	56	SW	3	0	1023.4	0	55	12	SSW	3	S	0	3	-	56	52	0	0	0	0.0
Blacksod Point	1023.7	57	SW	4	0d	1023.9	0	55	-1	SW	2	-	0	3	5	58	44	0p	0pc	0md.0m	+
Roche's Point	1029.9	55	WSW	3	0	1030.7	-1	55	0	SW	3	-	0	3	-	58	54	0.c	0	0	+
Birr Castle	1027.5	56	S	1	P	1028.4	0	52	-1	S	1	-	0	3	3	56	51	0d.r	0d.r	0d.r.0	0.0
Donaghadee	1024.8	56	SW	1	0m	1026.0	0	55	13	SW	1	-	0m	1	2	56	52	0m.p	0m.p	0m.p	+
Liverpool (Biston)	1028.7	54	SW	1	0	1029.3	0	50	-2	SW	1	SW	0	2	-	54	50	0.c.0	0	0	0.0
Holyhead	1028.1	55	SW	5	Cg.	1029.2	-1	55	H	SW	4	-	0p	3	1	56	53	0.c.p.0	0.c.p.m	0p.0	0.0
Pembroke (St. Ann's)	1031.2	55	SW	3	0v	1031.7	0	54	0	SW	3	-	0v	3	-	57	53	0v	0v	0v	0.3
Scilly (St. Mary's)	1031.8	54	-	0	0	1032.3	0	51	-2	-	0	-	0	2	-	55	50	0v.	0v.	0v.bv	0.0
Jersey (St. Aubin)	1032.1	52	ESE	2	C	1032.5	0	40	-10	E	1	-	0	1	-	54	39	0.c.0	0.c.m	0m.bw	0.0
Portland Bill	1031.9	55	S	1	0	1032.3	0	51	-1	NNE	1	-	0	2	-	58	42	0.c.0	0.c.0	0.c.0	+
Dungeness	1032.2	51	SW	2	0	1033.3	0	49	-2	SSW	2	SW	0	2	-	55	48	0.c.0	0.c.0	0.c.0	+
Wick	1016.3	53	SSW	3	C	1017.8	+2	54	14	SW	1	-	0	1	2	57	50	0.c.p.d	0pc	0.c.b.c	+
Nairn	1018.0	56	WSW	3	bc	1020.3	0	55	+3	W	1	-	0	1	2	56	51	0.p.r.c	0bc	0bc	0.4
Leith	1023.0	56	SW	2	0	1023.6	0	57	+3	WSW	2	W	0	2	1	58	54	0.c.b.c	0.c.b.c	0.c.b.c	+
Tynemouth	1025.4	55	SW	2	0m.p	1026.2	0	55	12	W	2	-	0f	1	3	56	52	0f	0f	0m.0m	+
Spurn Head	1028.9	52	SW	3	0m	1029.4	0	50	14	SW	3	-	0	2	0.1	55	44	0c.m	0bm	0p.m.0m	+
Yarmouth (New)	1031.4	47	SW	2	0	1032.1	0	47	19	SW	1	-	0	0	0.2	55	37	0c.m	0bm	0bfe	5.1
Clacton-on-sea	1032.2	45	NW	2	f	1032.9	0	48	15	WSW	1	-	0p.m	1	-	54	39	0.c.m	0bm	0bfe	4.9
Nottingham	1030.4	52	SW	1	0	1030.8	0	46	12	SW	1	SW	0m	+	0.05	53	42	0.c.m	0m	0p	0.0

Information for these columns not usually received.

The barometric change is expressed in half millibars.

For code see page 3

See footnote p.4.

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 9.11.1920.

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.	Indiff.	Smooth	5	8 th	09.05	54	54
2. E. England	Foggy.	V.Poor	Calm	3	8 th	09.15	55	56
3. E. Midlands	Fair.	Indiff.	-	6	8 th	15.00	56	51
4. W. Midlands	Fair, foggy.	V.Poor	-	44	9 th	04.30	53	55
5. S.W. England	Fine.	V.Good	Smooth	12	9 th	04.50	54	55
6. South Wales	Dull.	Excellent	Slight					
7. North Wales	Dull, gloomy.	Good	"					
8. N.W. England	Foggy.	Poor	Smooth					
9. N. Midlands	Dull, some fog.	"	-					
10. N.E. England	Dull, misty.	"	Smooth					
11. E. Scotland	Cloudy, foggy.	Fair	"					
12. S.W. Scotland	Dull, misty, drizzle.	V.Poor	V.Smooth					
13. Isle of Man	Dull, misty.	Fair	"					
14. N. & N.W. Scotland	Fair	"	Slight					
15. Hebrides	Dull, showers locally.	"	"					
16. Orkneys and Shetlands	Dull, misty, drizzle.	Poor	Smooth					
17. N.W. Ireland	Dull.	Good	Slight					
18. N.E. Ireland	Dull, misty.	V.Good	V.Smooth					
19. S.E. Ireland	Dull, misty.	Good	Slight					
20. S.W. Ireland	Dull.	V.Good	Calm.					

Isallobars.



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

CHART OF POSITION NUMBERS and Upper Cloud



Lower Cloud.



EXPLANATION.

BAROMETER. — Isolobars 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 small circles.

TEMPERATURE. — Isotherms are drawn at intervals of 1°.

WEATHER SYMBOLS. —

- ☉ sky & clouded
- ☁ sky & clouded
- ☂ overcast sky
- * snow
- ☂ sleet
- ☂ fog
- ☂ thunder
- ☂ rain
- ☂ hail
- ☂ mist
- ☂ thunderstorm

SEA DISTURBANCE. —

- ☂ Rough
- ☂ High

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

A deep depression that was South of Iceland on Monday night has passed quickly away Northwards and the anticyclone over Germany and France shows no signs of giving way. Fair weather with mist or fog at times is probable for a day or two over England but in Scotland and Ireland cloudy and unsettled conditions will continue.

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

1. S.E. England	Light S to SW breezes; varying amount of rather low cloud; some mist or fog, especially at night; mild.
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	Moderate SW wind, fresh at times; sky mainly overcast with rather low clouds; occasional rain; visibility fair; mild.
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Wind S to SW, moderate to fresh; mainly overcast with rather low clouds; occasional drizzle locally; visibility fair; mild.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

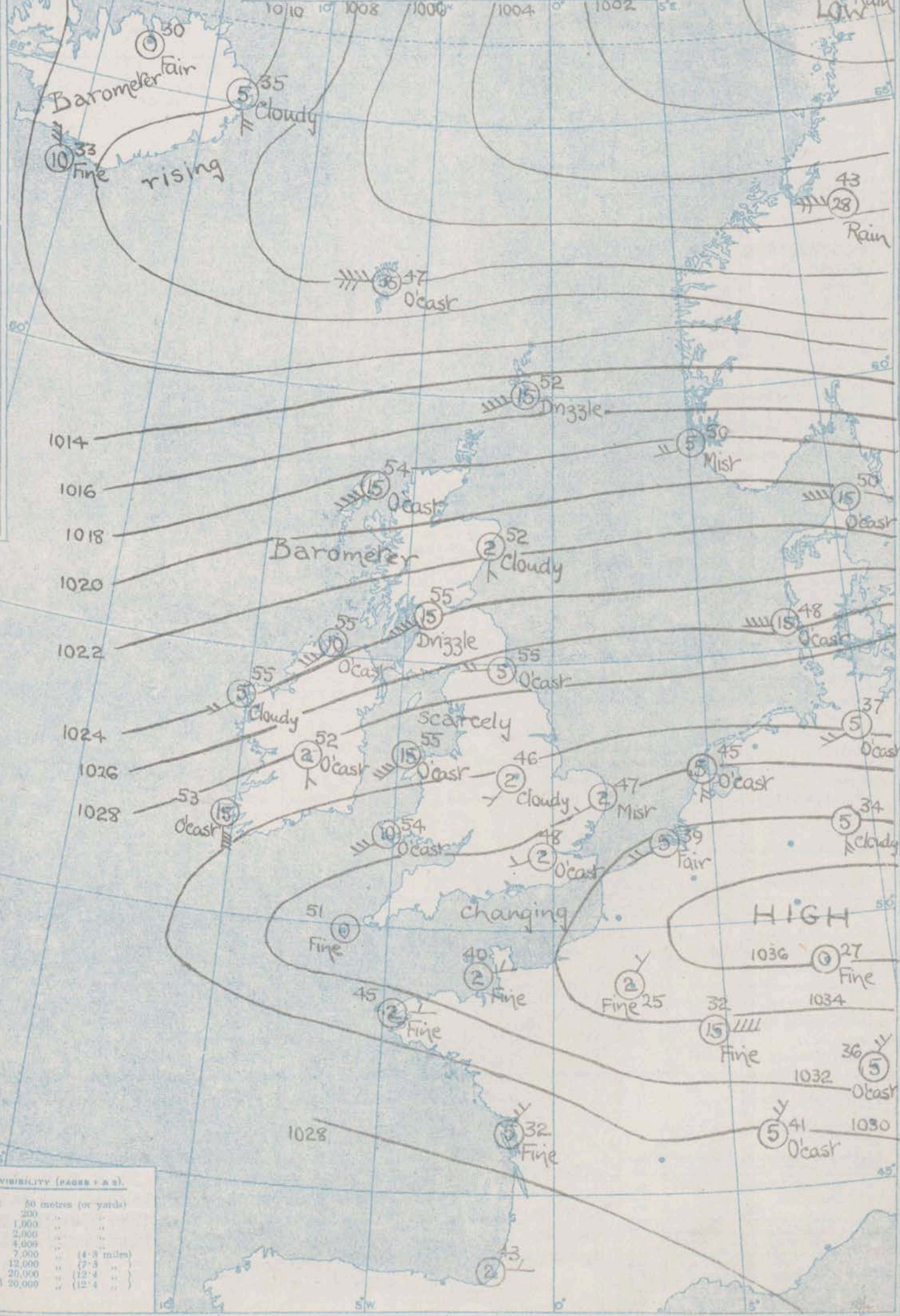
Further Outlook.

Probably fair but misty and mild for at least two days over E and S.E. England.

Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200



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

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.
		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-9h.	Day. 9h-12h.	Sunrise to Sunset.			Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-9h.	Day. 9h-12h.	Sunrise to Sunset.
						7 ²⁵ 8 ²⁵		8 ²⁵							7 ²⁵ 8 ²⁵		8 ²⁵
Scotland.	Oban ...	opd		57	51	1	2	0.0	England, N.W.	Douglas (I.O.M.)							
	Banff ...	opd	c bc	54	48	1	1	0.0		Blackpool ...	c om		55	51	1	1	0.3
	Montrose ...									Southport ...	c.c.c	c opo	57	50	0.3	-	0.0
	St. Andrews ...	*	*	55	51	-	1	0.0		MORECAMBE ...	*	*	54	50	2	1	
England, N.E.	Harrogate ...	c	op	58	48	-	-	0.0	Midlands.	Buxton ...							0.0
	Scarborough ...	b	o	58	49	-	-	1.6		Leamington Spa...	of	o	53	43	-	-	0.6
	Skegness ...	c	c.c.c	53	39	-	-	3.9		Malvern ...	b bc	bcz	53	44	-	-	0.0
England, E.	Lowestoft ...								Wales.	Bath ...	m opd	o	55	45	-	-	0.1
	Felixstowe ...	bf	of	54	37	-	-	5.1		Rhyl ...	c	p.c	56	51	-	0.2	0.0
	Southend-on-Sea...	c bc	bc.c.c	58	41	-	-	4.5		Colwyn Bay ...	*	*	57	51	-	-	0.3
England, S.E.	Tunbridge Wells	om oc	c.c	56	41	-	-	1.0	England, S.W.	Llandudno ...	*	*	58	53	0.1	0.1	0.2
	Margate ...	b bc.c	c bc.b	57	45	-	-	4.0		Aberystwyth ...	o.c	c.c	56	52	-	-	
	Ramsgate ...	*	*	53	45	-	-	4.2		Tenby ...							0.0
	Folkestone ...	c bc	bc	54	46	-	-	1.6		Swansea ...	*	*	58	48	1	-	
	Hastings ...	o.c.c.c	bc.c	57	43	Trace	-	2.4		Weymouth ...							0.1
	Eastbourne ...	bc	c bc.b	56	43	-	-	5.1	Teignmouth ...	m bc.b	c om	55	42	-	-	0.0	
	Brighton ...	of bc	bc	56	44	-	-	3.7	Torquay ...	fg	fg.o	55	44	-	-	0.0	
	Worthing ...	c	c	58	45	-	-	2.1	Paignton ...	cf	om	55	39	-	-	1.0	
	Littlehampton ...	bc.w	o.c.w	56	49	-	-	0.6	Penzance ...	c bc	c.c	59	50	-	-	0.2	
	Portsmouth (S. base)	*	*	55	44	-	-	0.0	Newquay ...	c.c	c.c	56	50	-	-	1.3	
	Bournemouth ...	*	*	58	44	-	-	0.8	Bude ...	c	c	58	51	-	-	0.0	
	Ventnor (I. of W.)	*	*	57	49	-	-	0.0	Ilfracombe ...	o	o	56	51	1	-	0.8	
										Weston-s-Mare ...	bc.c	o	55	46	1	-	

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-12h.	12h-12h.	12h-7h.				Day. 7h-12h.	Night. 12h-7h.	
Renfrew ...	opd	opd	opd	opd	56	53	53	0.3	0.4	0.0
Eskdalemuir ...	opd	opd	opd	opd	52	49	50	2	1	0.0
Valencia (Cahire'n)	opd	opd	opd	opd	52	51	51	2	1	0.0
Baldonnel ...	o	c op	opd	opd	58	51	50	1	-	0.8
MANCHESTER (ALEX. PRY.)	opd	opd	opd	opd	58	46	32	-	-	*
Ross on Wye ...	opd	opd	opd	opd	53	39	40	-	-	0.0
Falmouth ...	c.c	o.g	b.c	b.w	56	42	33	-	-	0.3
Calshot (Hants) ...	opd	opd	opd	opd	54	40	46	-	-	0.0
Lymington (Folkestone)	opd	opd	opd	opd	54	43	32	-	-	0.9
Aberdeen ...	opd	opd	opd	opd	57	47	41	1	-	0.0
Howden ...	opd	opd	opd	opd	57	40	38	-	-	1.1
Cranwell (Lincoln)	opd	opd	opd	opd	51	46	44	-	-	5.7
Felixstowe ...	opd	opd	opd	opd	55	44	*	-	-	6.0
Shoeburyness ...	opd	opd	opd	opd	58	35	36	-	-	5.0
Benson ...	o	o	b.c.c	b.c.c	52	45	39	-	-	*
S. Farnborough ...	opd	opd	opd	opd	56	41	47	-	Trace	0.6
London (New Obey.)	opd	opd	opd	opd	52	39	46	-	-	1.0
Croydon ...	opd	opd	opd	opd	58	41	*	Trace	-	*

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

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.

Rainfall.

Sunshine to Sunset.

Humidity %

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total Joules.

Average Rate.

STATIONS.	WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	Rainfall.	Sunshine to Sunset.	Humidity %	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Total Joules.	Average Rate.	Maximum Rate.
	Morning.	Afternoon.	Night.	Day.										
Greenwich (Royal Observatory)	om. b	om	om	om	55	45	45	-	2.1	89	84			
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*			
Westminster (St. James's Park)	*	*	omf	omf	52	45	43	-	0.2	91	80			
Camden Sq. (British Rainfall)	fe.	oc	*	*	52	46	44	-	*	99	81			
Kensington Palace	o	of	*	*	53	44	45	-	*	98	86			
Hampstead Observatory	*	*	*	*	51	45	42	-	0.6	*	89			

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 8^h 15^m to 9^h 30^mto 9^h 30^m to 10^h 00^m

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	1/2 30	0 0	0
8 Ursae	1/2 30	0 0	0
Minoris	1/2 30	0 0	0

NOTES ON THE WEATHER OF YESTERDAY.

Some rain fell again in Scotland and Ireland but in no great quantity, and there were some showers in N.E. England, about 5 hours of bright sunshine were experienced in parts of E and S.E. England, but elsewhere there was practically none. The temperature rose to about 55° in all districts. Mist or fog was again of common occurrence.

* Information for these columns not usually received.

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21.538

WEDNESDAY, 10th NOVEMBER, 1920.

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

STATIONS.	Barom. at M.S.L. mb.	Change in 2 hours.	Wind. Dir.	Force 0-12.	Temp. °F.	Humidity %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-4.	Barom. at M.S.L. mb.	Change in 2 hours.	Wind. Dir.	Force 0-12.	Temp. °F.	Humidity %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-4.			
12H. G.M.T. 3 TH												12H. G.M.T. 5 TH													
Renfrew	1024.0	-2	SW	4	55	97	4	750	Nb	10	-	1020.4	-4	SW	6	53	85	6	2,000	St	7	-	-	-	
Eskdalemuir	1025.2	-1	SW	4	55	97	3	750	St	10	-	1022.8	-2	SW	5	53	85	6	2,000	St	7	-	-	-	
Valencia (Cahire's)	1027.4	-2	S	4	55	97	7	3,000	St	6	A. St	1025.5	-1	S	5	55	97	7	2,000	St	8	A. St	2	4	
Baldonnell	1027.6	-2	SW	4	55	97	7	4,200	St	3	A. St	1025.0	-4	SW	4	55	97	8	-	-	A. St	5	-	-	
Manchester (Alex. P.K.)	1028.8	-2	SW	2	56	95	5	3,000	St	10	-	1027.1	-1	SW	2	56	95	3	4,200	St	4	A. St	1	4	
Ross on Wye	1030.4	-2	WSW	3	53	85	8	3,000	St	9	Ci	1028.8	-2	WSW	2	53	85	8	3,000	St	9	-	-	-	
Falmouth	1031.8	-3	SE	1	54	85	8	-	Cu	4	-	1030.5	-2	SW	1	54	85	8	-	-	-	-	-	-	
Calshot (Hants)	1032.1	0	S	1	54	85	4	3,000	St	10	-	1030.5	-1	SW	1	54	85	4	2,000	St	10	-	-	0	
Lymington (Folkestone)	1032.3	-2	S	2	53	85	5	1,250	Cu	1	-	1030.7	-2	-	0	53	85	5	3,000	St	3	-	-	-	
Aberdeen	1030.2	-3	S	3	57	85	5	4,200	St	9	-	1026.4	-6	SW	4	56	85	6	4,200	St	10	-	-	2	
Howden	1027.7	-4	W	2	54	85	4	3,000	St	8	A. St	1026.1	-2	-	0	53	85	2	2,000	St	10	-	-	-	
Cranwell (Lincs)	1029.1	-2	WSW	4	53	85	5	-	-	9	-	1027.6	-1	SW	3	53	85	5	-	-	St	1	A. St	1	-
Felixstowe	1032.2	-3	SSW	2	51	92	5	2,000	St	10	-	1030.2	-1	SSW	2	51	92	6	2,000	St	10	-	-	-	
Shoeburyness	1032.1	-2	SSW	1	53	85	5	2,000	St	6	A. St	1029.9	-2	-	0	50	85	6	1,250	St	10	-	-	-	
Benson	1030.6	-2	SW	2	53	85	7	-	St	10	-	1029.2	-2	SW	1	51	85	7	1,250	St	10	-	-	-	
S. Farnborough	1031.8	-2	WSW	2	54	85	7	3,000	St	10	-	1029.0	-1	S	2	51	85	7	1,250	St	10	-	-	-	
London (Kew Obs.)	1031.6	-3	SW	3	54	85	5	3,000	St	8	A. St	1029.7	-2	SW	1	51	85	4	2,000	St	10	-	-	-	
Croydon	1032.0	-2	SSW	2	52	85	4	2,000	St	10	-	1029.3	-1	SSW	2	51	85	5	2,000	St	10	-	-	-	
1H. G.M.T. 10 TH												7H. G.M.T. 10 TH													
Renfrew	1018.5	-3	SW	6	50	92	5	-	Nb	10	-	1017.3	-2	SW	5	48	85	7	2,000	St	4	Ci	4	1	
Eskdalemuir	1019.5	-4	SSW	4	52	-	-	-	-	-	-	1019.0	-2	WSW	4	46	85	8	-	-	St	2	A. St	5	-
Valencia (Cahire's)	1022.0	-1	SW	6	52	92	3	4,500	St	10	-	1020.5	-1	WSW	3	52	92	8	3,000	St	6	A. St	2	4	
Baldonnell	1023.0	-1	SW	6	52	92	3	4,500	St	10	-	1023.3	0	SW	2	52	92	6	2,000	St	7	A. St	2	-	
Manchester (Alex. P.K.)	-	-	-	-	-	-	-	-	-	-	-	1022.7	-1	SW	3	50	85	4	750	Nb	10	-	-	-	
Ross on Wye	-	-	-	-	-	-	-	-	-	-	-	1024.9	-2	SW	2	48	92	7	2,000	St	3	Ci	4	-	
Falmouth	1028.7	-2	SW	1	50	97	5	-	St	10	-	1027.2	-2	SW	3	51	92	8	-	-	St	10	-	-	
Calshot (Hants)	1028.3	-2	WSW	2	52	85	6	2,000	St	10	-	1026.9	-2	SW	2	51	85	7	2,000	St	10	-	-	1	
Lymington (Folkestone)	1028.5	-3	-	0	52	97	5	2,000	St	10	-	1027.2	-1	SW	1	52	92	5	2,000	St	10	-	-	-	
Aberdeen	-	-	-	-	-	-	-	-	-	-	-	1013.3	-1	SSW	1	52	85	6	-	-	-	-	-	2	
Howden	1023.3	-2	SW	3	50	85	5	3,000	St	10	-	1021.7	-1	SSW	1	52	92	4	750	St	8	A. St	2	-	
Cranwell (Lincs)	1025.4	-1	SW	3	48	92	5	3,000	St	8	-	1024.1	-1	SSW	4	50	92	5	4,500	St	4	Ci	1	-	
Felixstowe	1028.6	-1	SSW	3	52	92	5	2,000	St	10	-	1026.1	-2	SW	3	52	92	5	3,000	St	10	-	-	1	
Shoeburyness	-	-	-	-	-	-	-	-	-	-	-	1025.1	-2	SW	1	52	92	6	3,000	St	10	-	-	-	
Benson	-	-	-	-	-	-	-	-	-	-	-	1025.1	-1	SW	2	52	92	7	3,000	St	10	-	-	-	
S. Farnborough	-	-	-	-	-	-	-	-	-	-	-	1026.5	-1	SW	2	52	92	6	3,000	St	10	-	-	-	
London (Kew Obs.)	1028.0	0	-	-	-	-	-	-	-	-	-	1026.7	-1	SW	2	52	92	5	2,000	St	10	-	-	-	
Croydon	1028.7	-2	WSW	3	50	75	6	1,250	St	10	-	1026.6	-1	WSW	3	50	75	6	2,000	St	5	A. St	5	-	

STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	Barom. at M.S.L. mb.	TEMP. °F.	WIND. Dir.	Force 0-12.	Weather.	BAROMETER.		TEMPERATURE.		WIND.		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.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
12H. G.M.T. of 9 th						7H. G.M.T. of 10 th						24 HOURS ENDED 7H. 10 th						9 th			
Lerwick	1010.4	53	SW	3	om	1000.3	-3	50	-2	SW	8	SW	cg	5	3	53	44	om	om	cg, om	*
Stornoway	1010.0	56	SW	6	cg	1007.3	0	46	-2	WSW	7	-	bc	6	6	56	44	cd	cd	cd, bc	0.2
Castlebay (Bairds)	1014.3	54	SW	7	om	1013.0	0	51	-4	N	7	N	C	6	1	55	47	om	om	cg, bc	0.0
Malin Head	1017.3	53	SSW	4	o	1017.4	0	49	-6	WSW	5	SW	cg	4	1	57	47	c	o	bc, bc	0.2
Blackod Point	1018.3	53	SSW	5	om	1020.9	-1	51	-4	W	4	-	bc	2	2	57	50	c	om	bc	*
Roche's Point	1027.6	55	SSW	4	o	1025.5	0	52	-3	WSW	2	-	o	2	-	56	51	oc	oc	o	*
Barr Castle	1024.2	53	S	2	c	1023.4	0	47	-5	S	1	-	o	1	1	55	45	o	o	cp	0.9
Donaghadee	1022.1	53	SSW	3	c	1020.4	-1	46	-9	W	3	NW	om	3	-	57	47	om	om	om	*
Liverpool (Bidston)	1025.8	51	WSW	2	o	1021.8	0	52	-2	WSW	3	W	C	3	-	58	50	bc	bc	o	3.0
Holyhead	1026.2	54	SSW	5	og	1022.5	-1	53	-2	WSW	4	-	C	2	0.1	56	52	og	og	og, bc	0.0
Pembroke (St. Mary's)	1029.0	54	SW	3	ov	1024.9	-2	54	0	SW	4	-	o	4	-	55	52	ov	ov	o, bc	0.1
Scilly (St. Mary's)	1029.0	54	SW	3	ov	1024.9	-2	54	0	SW	4	-	o	4	-	55	52	ov	ov	o, bc	0.1
Jersey (St. Aubin)	1029.9	50	NE	2	b	1027.6	0	35	-5	ENE	1	-	C	1	-	58	57	bc	bc	o, bc	7.5
Portland Bill	1030.2	54	-	0	c	1027.3	-3	53	-2	W	3	-	o	3	-	57	48	b	b	bc	8.8
Danegess	1030.3	49	SW	1	b	1026.5	-2	51	-2	SW	2	-	o	2	-	56	40	b	b	bc	*
Wick	1012.1	54	SW	3	cg	1005.9	-3	45	-9	WSW	4	-	bc	3	1	56	43	bc	bc	om	*
Mairn	1013.6	55	SW	4	c	1004.3	0	46	-7	W	4	-	bc	3	0.4	59	45	bc	bc	cg	*
Leith	1019.7	54	SW	3	c	1015.5	0	47	-9	SW	4	SW	bc	3	-	57	48	bc	bc	cg	*
Lynmouth	1023.2	56	SW	2	om	1012.9	0	53	-3	W	2	-	om	1	om	58	49	om	om	om	*
Spurn Head	1025.7	57	SW	3	bc	1022.1	-2	48	-2	SW	4	-	bc	2	-	56	44	bc	bc	om	*
Yarmouth (Old London)	1028.7	49	SW	2	c	1024.5	-2	42	-1	WSW	3	-	om	0	-	57	46	bc	bc	om	0.58
Clifton-on-Sea	1029.7	50	SW	2	o	1026.2	0	43	0	WSW	2	-	om	1	-	51	48	om	om	om	0.0
Nottingham	1027.5	50	SW	2	b	1023.3	0	49	-3	WSW	2	W	o	4	-	58	45	om	om	om	1.9

Temperature reported from Coastal and
Cross Channel Steamers.



A deep depression to the North of Scotland will move NE. and will cause strong Westerly winds with showery and colder weather over the Northern half of the Kingdom, but in the South the wind will be moderate and the weather mainly dull with little or no rain.

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

Farther Outlook.

SEA DIS-
turbance
Rough

Farther Outlook.

Uncertain.

TELEGRAPHIC

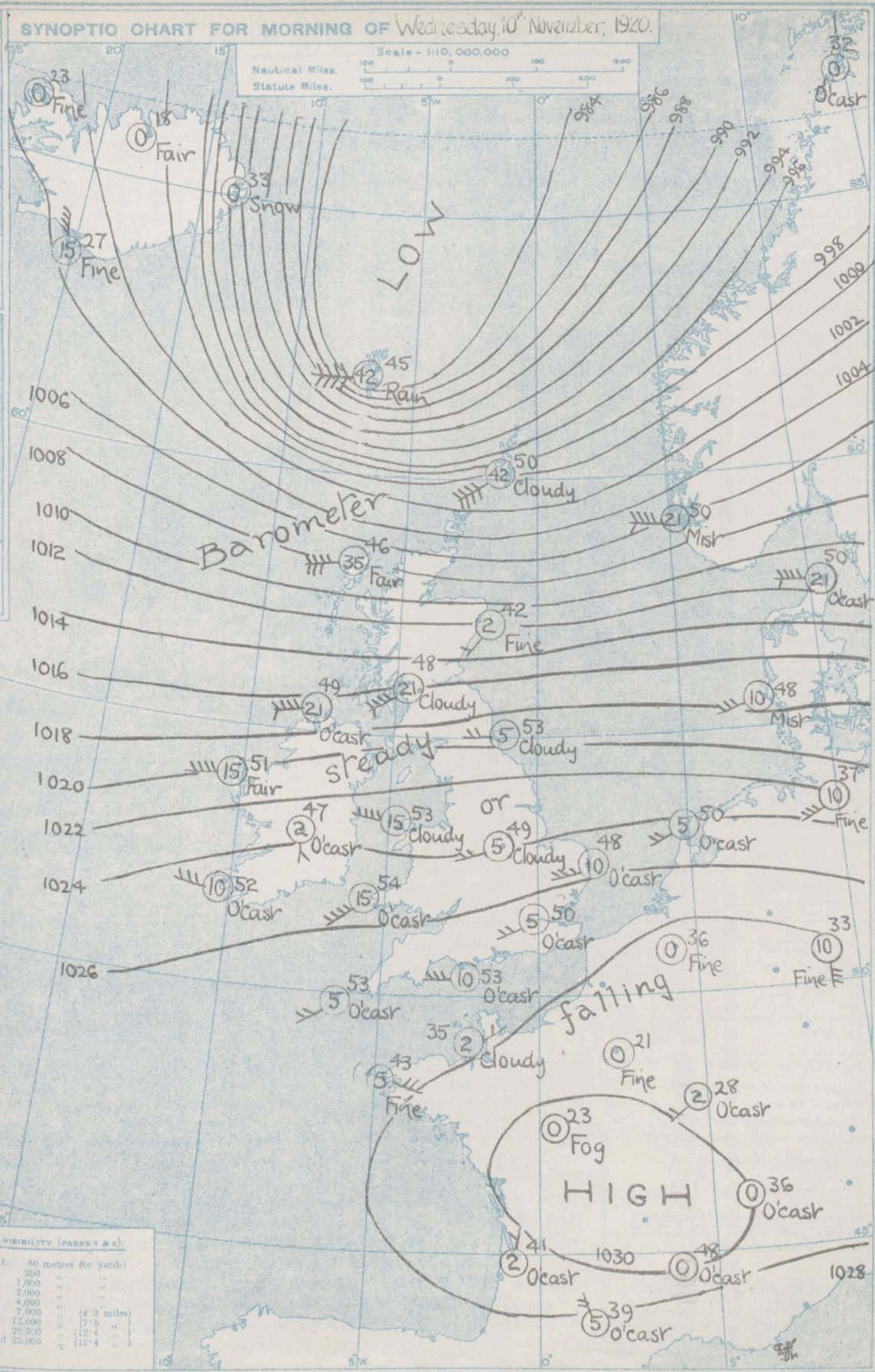
1. None to
2. Very Bad
3. Bad
4. Very Poor
5. Poor
6. Indifferent
7. Fair
8. Good
9. Very Good
10. Excellent

Forecasts issued at 10.15.

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

SYNOPTIC CHART FOR MORNING OF Wednesday, 10th November, 1920.

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



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

Code	Meaning	Objects not visible at	50 metres (or yards)
0	Very Bad	1,000	"
1	Very Poor	2,000	"
2	Poor	4,000	"
3	Indifferent	7,000	"
4	Fair	12,000	"
5	Good	20,000	"
6	Very Good	20,000	"
7	Excellent	20,000	"

Wednesday
19TH NOVEMBER

ON

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21.559

...THURSDAY, 11TH NOVEMBER, 1920.

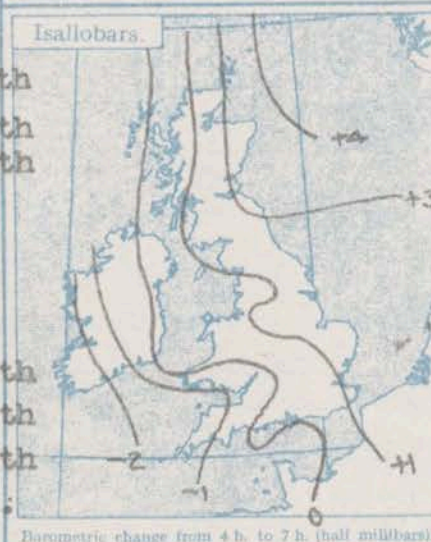
OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.																												
STATIONS	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		WEATHER	TEMP. °F.	HUMIDITY. %	VISIBILITY 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		WEATHER	TEMP. °F.	HUMIDITY. %	VISIBILITY 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.
			Dir.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Dir.	Force 0-12.						Form.	Amt. 0-10.			
			12H. G.M.T. OF 10 TH														18H. G.M.T. OF 10 TH											
Renfrew	1017.8	-1	WSW	4	0f	48	85	7	1250	Nb	10	-	-	-	1016.3	0	WSW	4	b	46	85	6	1,000	StCu	3	-	-	-
Esksdalemuir	1017.9	-2	WSW	6	bc	48	85	8	3,000	Cu	2	ci	2	-	1017.8	0	SW	4	bc	44	85	6	-	StCu	3	ci	1	-
Valencia (Cahire'n)	1025.3	-1	WSW	3	0	53	75	8	3,000	StCu	4	AST	6	4	1025.2	0	W	5	c	51	75	8	3,000	StCu	3	-	-	4
Baldonnel	1023.2	-1	SW	4	0	50	75	8	3,000	StCu	4	AST	6	-	1023.3	-1	SW	3	b	46	85	8	-	-	ci	1	-	
Manchester (Alex. Pk)	1023.3	-1	WSW	3	02f	53	75	4	3,000	StCu	6	AST	4	-	1023.2	0	W	3	02f	48	75	4	2,000	StCu	6	AST	1	-
Ross on Wye	1023.9	-2	SW	3	0	54	85	7	2,000	Nb	10	-	-	-	1023.0	-1	W	2	ogfm	51	97	5	750	Nb	10	-	-	-
Falmouth	1026.3	-2	SW	3	0	56	85	8	-	St	10	-	-	-	1025.0	-1	SW	4	0	52	85	6	-	St	10	-	-	-
Calshot (Hants)	1025.6	-2	WSW	2	01f	54	85	7	4,200	StCu	10	-	-	1	1024.5	-1	WSW	2	01f	52	85	6	4,200	StCu	10	-	-	1
Lymington (Folkestone)	1025.6	-4	WSW	3	01f	51	85	4	2,000	StCu	10	-	-	-	1024.4	-2	WSW	2	01f	49	85	6	2,000	StCu	10	-	-	-
Aberdeen	1012.6	-1	WSW	5	b	53	45	8	-	-	ci	2	2	1013.0	+1	SW	2	b2f	44	65	4	-	-	-	-	-	2	
Howden	1021.3	-2	WNW	4	01f	54	85	6	3,000	St	6	AST	4	-	1020.9	-1	-	0	02f	45	92	4	4,200	St	5	AST	5	-
Cranwell (Lincs)	1023.1	-2	WSW	3	0	54	85	6	2,000	St	10	-	-	-	1022.4	0	WSW	1	02f	49	97	5	4,200	St	10	-	-	-
Felixstowe	1024.7	-2	SW	3	02f	53	92	5	3,000	StCu	10	-	-	-	1023.6	0	SSW	2	02f	51	97	5	2,000	St	10	-	-	-
Shoeburyness	1025.1	-3	SW	1	0	54	75	6	3,000	StCu	9	-	-	-	1023.7	-2	-	0	0	52	75	7	2,000	StCu	10	-	-	-
Benson	1023.5	-3	WSW	3	0	55	75	7	-	StCu	9	-	-	-	1023.4	-1	WSW	1	0	52	85	7	-	StCu	10	-	-	-
S. Farnborough	1025.2	-2	WSW	4	0	54	75	7	3,000	StCu	7	AST	3	-	1024.2	-1	WSW	1	0	51	85	7	1,250	St	10	-	-	-
London (Kew Obs.)	1024.9	-3	WSW	2	02f	54	75	5	4,200	StCu	10	-	-	-	1023.9	-1	SW	2	02f	53	85	5	3,000	StCu	10	-	-	-
Croydon	1025.4	-2	WSW	4	01f	54	75	7	3,000	StCu	10	-	-	-	1024.4	0	WSW	2	01f	50	85	6	3,000	StCu	10	-	-	-
1H. G.M.T. OF 11 TH														7H. G.M.T. OF 11 TH														
Renfrew	1017.0	-1	WSW	5	bc	42	85	6	-	Cu	5	-	-	-	1018.3	+3	WSW	3	om	44	85	6	2,000	St	9	-	-	-
Esksdalemuir	1025.2	0	WSW	2	om	50	-	-	-	-	-	-	-	1019.5	+2	S	1	0	38	97	6	750	StCu	9	-	-	-	-
Valencia (Cahire'n)	1023.3	0	SSW	4	b	44	85	5	-	-	-	-	-	1023.1	-2	WSW	2	c	45	85	8	4,200	StCu	6	ci	1	3	
Baldonnel	1023.3	0	SSW	4	b	44	85	5	-	-	-	-	-	1022.4	-1	SSW	2	b2f	43	92	6	3,000	St	1	AST	1	-	
Manchester (Alex. Pk)	1023.3	0	SSW	4	b	44	85	5	-	-	-	-	-	1022.3	-1	SW	3	bcu	38	92	4	3,000	StCu	2	AST	2	-	
Ross on Wye	1023.9	0	NNW	2	b	48	92	7	-	St	2	-	-	1023.9	0	-	0	b2f	34	97	8	-	-	ci	3	-	-	
Falmouth	1024.5	0	NNW	2	b	48	92	7	-	St	2	-	-	1025.1	0	NNW	1	b	39	97	8	-	St	2	-	-	-	
Calshot (Hants)	1023.9	-1	WSW	3	01f	51	97	7	2,000	St	10	-	-	1024.4	+1	N	2	01f	46	92	7	4,200	St	10	-	-	1	
Lymington (Folkestone)	1023.4	-1	-	0	01f	49	97	5	3,000	StCu	10	-	-	1024.0	+1	-	0	02f	47	97	5	3,000	StCu	10	-	-	-	
Aberdeen	1020.9	0	SW	1	b2f	39	97	5	-	-	-	-	-	1016.2	+4	NNW	2	02f	39	92	5	4,200	StCu	7	ci	1	2	
Howden	1022.7	0	N	2	b2f	40	97	5	-	-	-	-	-	1021.7	+2	-	0	b2f	39	97	4	3,000	St	2	ci	2	-	
Cranwell (Lincs)	1022.7	0	N	2	b2f	40	97	5	-	-	-	-	-	1022.8	0	W	3	0	39	97	5	4,200	St	3	AST	4	-	
Felixstowe	1022.6	0	W	3	02f	50	97	4	2,000	St	10	-	-	1023.6	+1	NNW	2	02f	45	97	5	-	-	AST	8	1	-	
Shoeburyness	1023.5	0	WSW	3	0	55	75	7	-	StCu	9	-	-	1023.6	0	NNW	1	01f	44	85	6	4,200	StCu	5	AST	2	-	
Benson	1023.5	0	WSW	3	0	55	75	7	-	StCu	9	-	-	1023.6	0	NNW	1	01f	44	85	6	4,200	StCu	5	AST	2	-	
S. Farnborough	1023.5	0	WSW	3	0	55	75	7	-	StCu	9	-	-	1023.6	0	NNW	1	01f	44	85	6	4,200	StCu	5	AST	2	-	
London (M.O. at 1h)	1023.1	-1	-	0	01f	50	-	-	-	-	-	-	-	1024.5	+1	W	1	0	38	97	6	3,000	StCu	3	AST	5	-	
Croydon	1023.5	-2	WSW	3	01f	50	97	6	750	St	10	-	-	1024.3	+1	SW	1	02f	42	97	5	3,000	StCu	3	AST	7	-	

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 8 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
	12H. G.M.T. OF 10 TH																				
Lerwick	1002.6	45	W	5	bc	1008.9	+4	43	-7	W	5	W	bc	3	2	50	42	om hq	bcg	bc bcp	•
Stornoway	1007.8	44	W	5	bc	1012.7	0	40	-6	WSW	2	-	0	1	12	48	39	bc hq	bc hq	op. o	0.3
Castellbay (Barra Is)	1009.4	50	WSW	7	01f	1016.8	0	47	-4	W	3	-	C	3	1	52	42	com c	c. bc. o	bc p. bc	2.4
Malin Head	1015.3	47	SW	5	c2f	1017.9	0	46	-2	SSW	2	SW	C	4	4	52	43	bc hq	bc hq	bcg	1.4
Blackod Point	1019.7	51	W	3	C	1018.9	-1	49	-2	W	1	-	bc	1	5	52	46	bc hq	bc	bc p. bc	•
Roche's Point	1025.2	48	W	2	b	1024.6	0	40	-12	-	0	-	b	1	0.2	54	40	o	a. c. b.	bc	•
Birr Castle	1027.7	47	SSW	1	C	1022.6	-	41	-6	SSW	1	-	C	-	-	51	40	o. c	C	C	0.7
Donaghadee	1018.9	47	W	2	bom	1019.9	+1	40	-6	H	1	-	bom	1	-	51	40	bom	bom	bom	•
Liverpool (Bidston)	1021.8	48	W	3	C	1021.5	-1	45	-7	WSW	3	W	bc	3	-	53	45	o	C	bc. b	0.0
Holyhead	1021.9	53	W	4	bc	1021.7	0	48	-5	W	4	W	bc	3	-	54	47	C	C	bc	0.2
Pembroke (St. Ann's Head)	1024.6	52	NNW	2	01f	1024.3	-1	49	-5	NNW	1	-	bc	2	2	54	48	adm	adm. ov	ov. bc. b	0.0
Seilly (St. Mary's)	1025.1	53	WSW	2	o	1025.4	0	46	-7	-	0	-	b	2	-	55	46	o	o	o. bc. b	0.0
Jersey (St. Aubin)	1026.0	43	E	1	b	1024.6	0	49	+14	SSW	2	-	bc	1	-	55	35	C. b.	bom	bc. o	7.3
Portland Bill	1024.3	54	W	4	o	1024.3	0	49	-4	N	3	-	o	3	1	57	46	o	o	op. o	•
Dunnet Head	1023.7	54	SW	3	o	1023.6	-1	49	-2	NNW	2	-	o	3	0.3	54	49	a. c. o.	o.	oc. o. o	•
Wick	1008.6	42	WSW	2	bc	1013.0	+3	37	-8	NNW	3	-	bc	3	2	49	36	bc	b. bc.	bc. c. p.	•
Nairn	1010.3	44	W	1	C	1015.4	-	39	-7	H	1	-	bc	1	1	50	39	bc	bc. c.	c. p.	4.8
Leith	1015.3	47	SW	4	C	1017.3	+1	42	-6	SW	2	W	C	2	3	52	42	bc. bc	bc. c.	p. bc. c	•
Tynemouth	1018.2	49	W	1	om	1018.7	+3	44	-9	H	2	-	om	2	-	51	44	om	om	om	•
Spart Head	1020.8	50	WSW	3	om	1020.4	0	44	-4	H	5	-	om	4	-	53	42	om	om	om. om	•
Yarmouth (Gorleston)	1021.7	52	WSW	2	o	1022.2	0	41	-7	NNW	2	-	bc	0	-	55	41	om. bc	o	om. bc	1.5
Clacton-on-Sea	1023.2	51	SW	2	C	1023.2	+1	44	-4	NNW	2	-	om	1	-	54	43	o. c. om	og. om.	om. om	1.1
Nottingham	1022.2	50	W	1	om	1022.9	-	36	-13	W	1	-	bom	•	0.2	55	35	om	adm	o. c. b	0.0

Temperature reported from Coastal and
Cross Channel Steamers.

[illegible]

EXPLANATION.
BAROMETER.—(Isobars are drawn at intervals of two millibars.)
WIND.—Direction shown by arrow flying with the wind. Force, on the 0-15, 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.
 ☉ sky & cloud.
 ☁ sky & clouded.
 ☁☁ overcast sky.
 * snow. ❄️ sleet.
 ☁☁ fog. ☁☁ mists.
 ⚡ thunder.
 ⚡⚡ thunderstorm.
SEA DISTURBANCE.—
 Rough. High waves.

Unsettled in the
West and North,
less fair than
of late in the
South and East.

Further Outlook.

Unsettled in the West and North, less fair than of late in the South and East.

1024

1026

20

TELEGRAPHIC

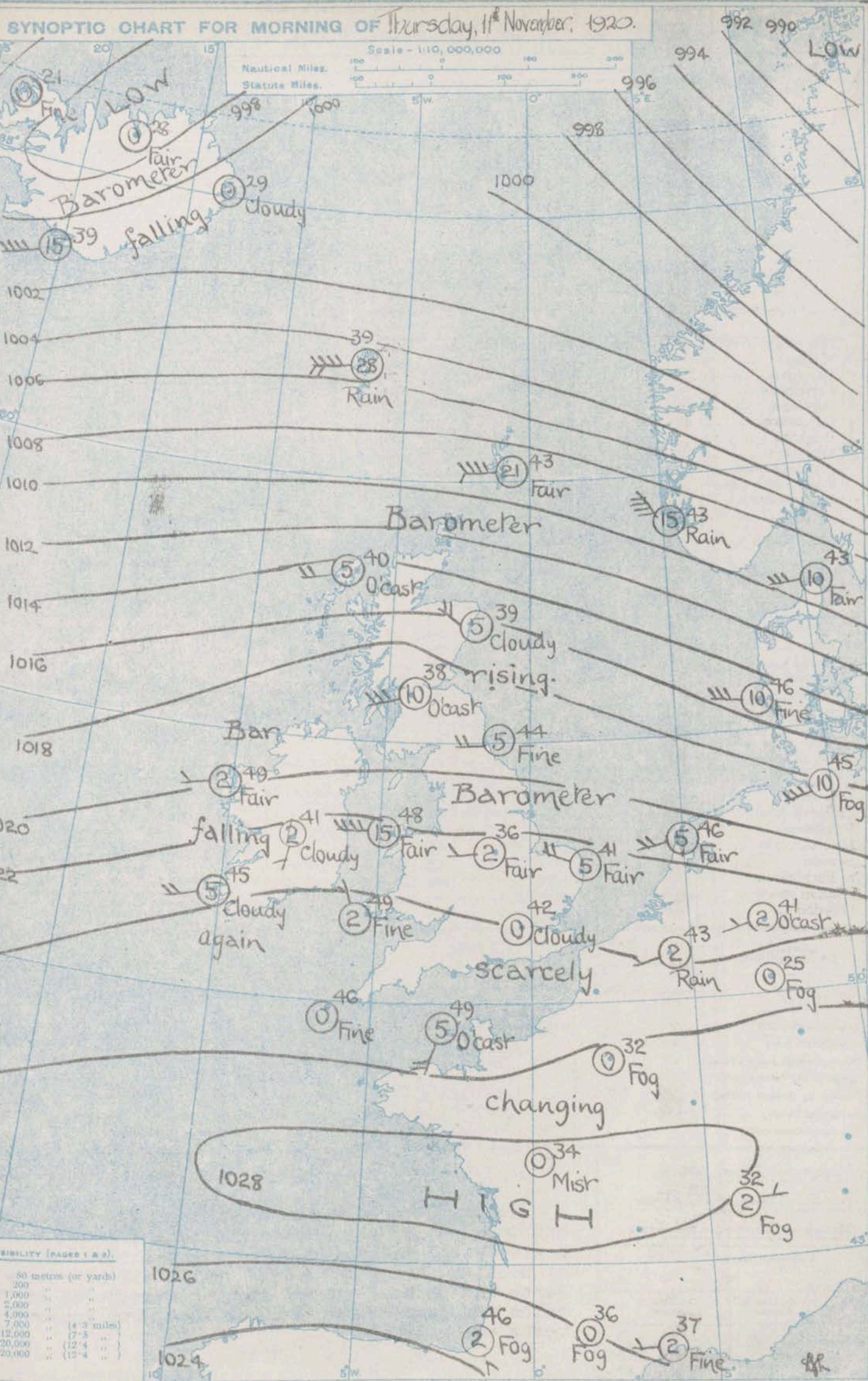
0. Dense fog.
1. Very Bad.
2. Bad.
3. Very Poor.
4. Poor.
5. Indifferent.
6. Fair.
7. Good.
8. Very Good.
9. Excellent.

Direction

SYNOPTIC CHART FOR MORNING OF Thursday, 11th November, 1920

Scale - 1:10,000,000

Neautical Miles.
Statute Miles.



CLEARING SCORE FOR SURFACE VISIBILITY (PAGES 1 & 2)					
Dense fog					
Very Bad	Objects not visible at	50 metres (or yards)			
Bad	" "	200	" "	" "	
Very Poor	" "	1,000	" "	" "	
Poor	" "	2,000	" "	" "	
Inadequate	" "	4,000	" "	" "	
Fair	" "	7,000	" "	(4-5 miles)	
Good	" "	12,000	" "	(7-8 ")	
Very Good	" "	20,000	" "	(12-4 ")	
Excellent	Objects visible beyond Exceptional visibility	20,000	" "	(12-4 ")	

led in the
nd North,
air than
e in the
and East.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21,540 ... FRIDAY, 12th NOVEMBER 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.		TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.	Upper Cloud.	Sea							
			Direc.	Force 0-12.											Direc.	Force 0-12.														
13H. G.M.T. 11 th																														
Renfrew ...	1018.9	-1	SW	5	0	50	75	7	2,000	Scu	9	ASC	1	1018.0	0	SW	4	C	48	75	6	-	-	ASC	7	4				
Eskdalemuir ...	1020.4	0	SW	4	bc	46	75	7	3,000	Cu	4	C	2	1019.6	-1	SW	4	bc	44	85	6	-	Scu	4	-	3				
Valencia (Cabrera) ...	1021.4	-3	S	3	0	53	75	8	3,000	Cu	4	A.Cu	5	1019.7	-2	S	3	0	50	65	8	3,000	Scu	9	-	3				
Baldonnell ...	1022.0	-1	SW	3	C	50	75	8	3,000	Scu	2	A.Cu	6	1021.0	-1	SSW	4	bc	47	85	8	-	-	ASC	5	4				
Manchester (Alex. Pk.) ...	1012.8	-1	W	3	012	52	65	4	2,000	Scu	9	-	1	1012.9	+1	SSW	2	bcm	43	85	4	5,700	Scu	3	A.Cu	2	2			
Ross on Wye ...	1024.0	-2	W	1	C	49	85	8	4,200	Cu	1	C	7	1024.0	0	-	0	bmm	42	92	4	1250	St	1	ASC	1	4			
Falmouth ...	1024.9	-1	S	1	bc	54	65	8	-	Cu	4	CuSt	2	1024.3	0	SE	1	b	47	85	7	-	-	-	A.Cu	1	4			
Calshot (Hants) ...	1024.7	-1	SSW	1	bcif	54	75	6	4,200	Cu	3	C	1	1024.9	+1	-	0	bif	42	92	7	2,000	St	2	-	0	4			
Lymington (Folkestone) ...	1024.1	0	NNE	2	bcif	51	65	6	2,000	Scu	1	C	5	1025.3	+1	E	1	bif	43	85	6	-	-	-	C	3	4			
Aberdeen ...	1017.2	-1	SSW	1	bcif	47	65	7	4,200	Scu	4	-	2	1016.0	-1	SW	3	bcife	45	85	5	-	-	-	Cu	4	2			
Howden ...	1022.3	-1	-	0	03f	45	97	2	2,000	Sc	8	ASC	1	1022.7	+1	-	0	bcm	40	97	2	3,000	Scu	5	-	-	4	2		
Cranwell (Lincoln) ...	1023.3	0	W	2	b	50	85	5	4,200	Sc	2	A.Cu	2	1024.0	+1	SW	1	b	41	97	5	-	-	-	-	-	4	2		
Felixstowe ...	1024.4	0	NW	2	bcz	53	75	6	-	-	-	ASC	5	1025.3	+2	-	0	bif	44	97	6	-	-	-	ASC	3	4	2		
Shoeburyness ...	1024.2	0	NE	1	bcv	53	65	9	5,700	Cu	2	CuSt	3	1024.8	+1	-	0	b2fe	40	92	5	4,200	Scu	3	-	-	4	2		
Benson ...	1023.2	0	-	0	0	49	75	7	-	-	-	A.Cu	10	1024.6	+1	-	0	bc	41	92	7	-	-	-	A.Cu	4	2	4		
S. Farnborough ...	1024.5	0	WNW	2	C	53	65	7	3,000	Cu	2	C	6	1025.3	+1	-	0	bmm	39	92	4	-	-	-	-	-	2	4		
London (New Obs.) ...	1024.4	-2	NW	1	C2f	50	75	5	-	-	-	C	8	1024.8	+1	-	0	bw	43	92	5	-	-	-	-	-	2	4		
Croydon ...	1024.6	-1	W	1	02f	53	65	5	-	-	-	CuSt	9	1025.2	+1	SW	3	bc2f	41	92	4	2,000	Scu	2	A.Cu	2	4	2		
1H. G.M.T. OF 12 th																														
Renfrew ...	1018.2	-2	SSE	3	C	44	92	6	-	Scu	8	-	1011.1	-5	S	5	omr	48	85	8	2,000	Nb	10	-	-	-	4	2		
Eskdalemuir ...	1018.2	-2	SSE	3	C	44	92	6	-	Scu	8	-	1014.3	-4	SW	5	omr	46	97	6	750	Nb	10	-	-	-	-	4	2	
Valencia (Cabrera) ...	1017.3	-5	SSW	4	omr	52	-	-	-	-	-	-	1013.4	-2	SSW	5	0	54	85	8	2,000	Scu	8	C	1	4	2			
Baldonnell ...	1019.1	-2	S	3	b	41	85	4	2,000	Scu	1	-	1014.0	-5	SSW	6	0	50	85	6	2,000	Scu	10	-	-	-	-	4	2	
Manchester (Alex. Pk.) ...	1020.1	-1	S	3	02f	43	85	4	3,000	Scu	9	-	1020.1	-1	S	3	02f	43	85	4	3,000	Scu	9	-	-	-	-	4	2	
Ross on Wye ...	1022.3	-2	NN	1	bcmx	30	97	3	3,000	Scu	2	C	2	1022.3	-2	NN	1	bcmx	30	97	3	3,000	Scu	2	C	2	4	2		
Falmouth ...	1022.7	-1	SSW	3	b	47	97	7	-	-	-	-	1022.7	-1	SSW	3	b	47	97	7	-	-	-	-	-	-	-	4	2	
Calshot (Hants) ...	1023.4	-2	N	2	b2f	38	97	4	3,000	Scu	2	-	1023.4	-2	N	2	b2f	38	97	4	3,000	Scu	2	-	-	-	-	4	2	
Lymington (Folkestone) ...	1024.7	0	-	0	bcmx	47	97	5	-	-	-	C	6	1024.7	0	-	0	c3f	42	97	3	4,200	Scu	8	-	-	-	4	2	
Aberdeen ...	1012.1	-4	SSW	4	cife	47	85	6	3,000	Scu	8	-	1012.1	-4	SSW	4	cife	47	85	6	3,000	Scu	8	-	-	-	-	2	4	
Howden ...	1020.3	-2	S	3	bc	36	97	3	3,000	Scu	4	-	1020.3	-2	S	3	bc	36	97	3	3,000	Scu	3	CuSt	2	-	-	4	2	
Cranwell (Lincoln) ...	1021.2	-2	SW	3	b	41	92	5	4,200	Scu	1	A.St	2	1021.2	-2	SW	3	b	41	92	5	4,200	Scu	1	A.St	2	-	-	4	2
Felixstowe ...	1024.1	0	-	0	b2f	31	97	1	-	-	-	-	1024.1	0	-	0	b2f	31	97	1	-	-	-	-	-	-	-	4	2	
Shoeburyness ...	1024.4	-1	-	0	ife	32	85	1	<500	Scu	10	-	1024.4	-1	-	0	ife	32	85	1	<500	Scu	10	-	-	-	-	-	4	2
Benson ...	1022.5	-1	SW	1	b2f	28	97	5	-	-	-	-	1022.5	-1	SW	1	b2f	28	97	5	-	-	-	-	-	-	-	-	4	2
S. Farnborough ...	1024.0	-2	-	0	b2fe	33	97	2	2,000	Scu	3	-	1024.0	-2	-	0	b2fe	33	97	2	2,000	Scu	3	-	-	-	-	-	4	2
London (New Obs.) ...	1023.8	-2	-	0	b2f	33	97	0	-	-	-	-	1023.8	-2	-	0	b2f	33	97	0	-	-	-	-	-	-	-	-	4	2
Croydon ...	1024.4	-2	SSW	3	bcif	37	97	6	1250	Scu	6	-	1024.4	-2	SSW	3	bcif	37	97	6	1250	Scu	6	-	-	-	-	-	4	2
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																														
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		WEATHER.	BAROMETER. at M.S.L. mb.	TEMPERATURE. Temp. °F.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.											
			Direc.	Force 0-12.				Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.												
18H. G.M.T. OF 11 th																				7H. G.M.T. OF 12 th				24 HOURS ENDED 7H. 12 th				11 th		
Lerwick ...	1009.6	44	W	4	omr	1009.6	-4	48	+5	S	4	-	omr	3	6	48	41	bcif	omr	omr	omr	1.9								
Stornoway ...	1011.9	45	WSW	2	of	999.4	-8	50	+10	S	7	-	omr	6	10	50	40	ch	of	of	of	1.0								
Castell Bay (Barra) ...	1014.0	52	SW	4	of	1002.3	-9	52	+5	SSW	7	-	of	6	4	52	46	ch	of	of	of	1.0								
Malin Head ...	1016.6	46	SSW	3	0	1005.6	-3	48	+5	SSW	4	SW	0	4	4	51	42	C	cp	0	0.6									
Blackod Point ...	1016.9	50	SW	3	of	1004.3	-3	54	+5	SW	4	-	0	3	2	55	53	bc	omr	bc	cp	0								
Roche's Point ...	1022.0	53	SW	2	0	1017.0	-3	55	+5	SW	3	-	0	3	2	55	40	b.o.	0	op	brm	0								
Birr Castle ...	1020.4	51	SSW	1	C	1012.6	-4	50	+5	SE	1	-	0	3	2	51	44	C	0	0	0	2.8								
Donaghadee ...	1019.7	47	W	2	omr	1013.2	-4	50	+10	SW	4	SW	cmg	3	-	51	40	bcm	bcm	bcm	bcm	0								
Liverpool (Bilston) ...	1022.2	46	WSW	2	C	1018.8	-1	43	-2	SSE	2	W	0	2	-	51	40	b	bc	bc	bc	5.6								
Holyhead ...	1021.7	50	WSW	2	b	1016.6	-3	53	+5	WSW	5	-	0	4	trace	54	47	bc	bc	b	b	4.2								
Pembroke (St. Ann's) ...	1023.8	48	S	2	bcv	1020.1	-2	53	+4	SSW	5	-	0	4	-	55	49	bcv	cv	bc	bc	2.4								
Sally (St. Mary's) ...	1023.6	53	SE	1	0	1021.9	-1	52	+6	S	4	-	0	4	-	57	51	b.b.c.	c.o.	0	0	3.8								
Jersey (St. Aubin) ...	1024.4	50	SSW	2	0	1024.6	0	46	-3	S	3	-	0	2	-	51	41	02.0	0	0	0	0.0								
Portland Bill ...	1024.3	51	E	1	bc	1023.3.																								

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 12.11.1920

Temperature reported from Coastal and Cross Channel Steamers

CHART OF POSITION NUMBERS and Upper Cloud

Lower Cloud.

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 small circles.

TEMPERATURE.—Temperature is given in degrees F.

WEATHER SYMBOLS.—

clear sky. sky & clouds. sky & clouds. overcast sky. snow. fog. thunder. SEA DISTURBANCE.—Rough. High.

Further Outlook.

Unsettled and mild generally with SW to W winds.

South Cone Hoisted 08.40h. Nov. 12th 1920

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

Districts

Weather, Cloud and Precipitation.

Visibility.

Sea.

Position Number

Date

Time G.M.T.

Sea ° F

Air ° F

1. S.E. England

Variable sky, mist & local fog.

v. poor

smooth

5.

11th

08.52

53

48

2. E. England

Fair to fine, local fog.

v. poor

v. smooth

7.

12th

03.05

56

53

3. E. Midlands

Fair to fine, some fog.

indiff.

-

44.

12th

04.30

52

53

4. W. Midlands

Fair to dull, some mist.

poor

-

5. S.W. England

Variable sky.

good

slight

6. South Wales

dull, squally.

v. good

moderate

7. North Wales

Cloudy, squally.

v. good

moderate

8. N.W. England

Dull, some fog

indiff.

slight

9. N. Midlands

Fair to dull, local fog

poor

-

10. N.E. England

Cloudy, misty.

v. poor

smooth

11. E. Scotland

Dull

indiff.

smooth

12. S.W. Scotland

Dull, slight rain

fair

moderate

13. Isle of Man

Cloudy to dull, some mist

indiff.

moderate

14. N. & N.W. Scotland

Dull, squally

fair

slight

15. Hebrides

Dull, rain, squally.

fair

rough

16. Orkneys and Shetlands

Dull, mist, rain

poor

slight

17. N.W. Ireland

Dull.

good

slight

18. N.E. Ireland

Cloudy, misty, squally

fair

moderate

19. S.E. Ireland

Dull, squally

indiff.

slight

20. S.W. Ireland

Dull, local rain

fair

slight

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

A deep depression South of Iceland will cause mild and unsettled weather to spread to all districts before long and over Scotland, Ireland, and the Irish Sea the SW wind will become strong to a gale.

Districts

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

1. S.E. England

Wind SW moderate; becoming cloudier and less settled; visibility indifferent to fair; milder.

2. E. England

3. E. Midlands

4. W. Midlands

5. S.W. England

Wind SW moderate to fresh; dull, some showers, visibility fair to good; mild.

6. South Wales

7. North Wales

8. N.W. England

Wind SW fresh to strong, a gale in exposed places; dull, some rain; visibility fair; mild.

9. N. Midlands

10. N.E. England

11. E. Scotland

12. S.W. Scotland

13. Isle of Man

14. N. & N.W. Scotland

15. Hebrides

Wind SW strong to a gale; dull, rain at times; visibility fair; mild.

16. Orkneys and Shetlands

17. N.W. Ireland

18. N.E. Ireland

Same as 7 - 13.

19. S.E. Ireland

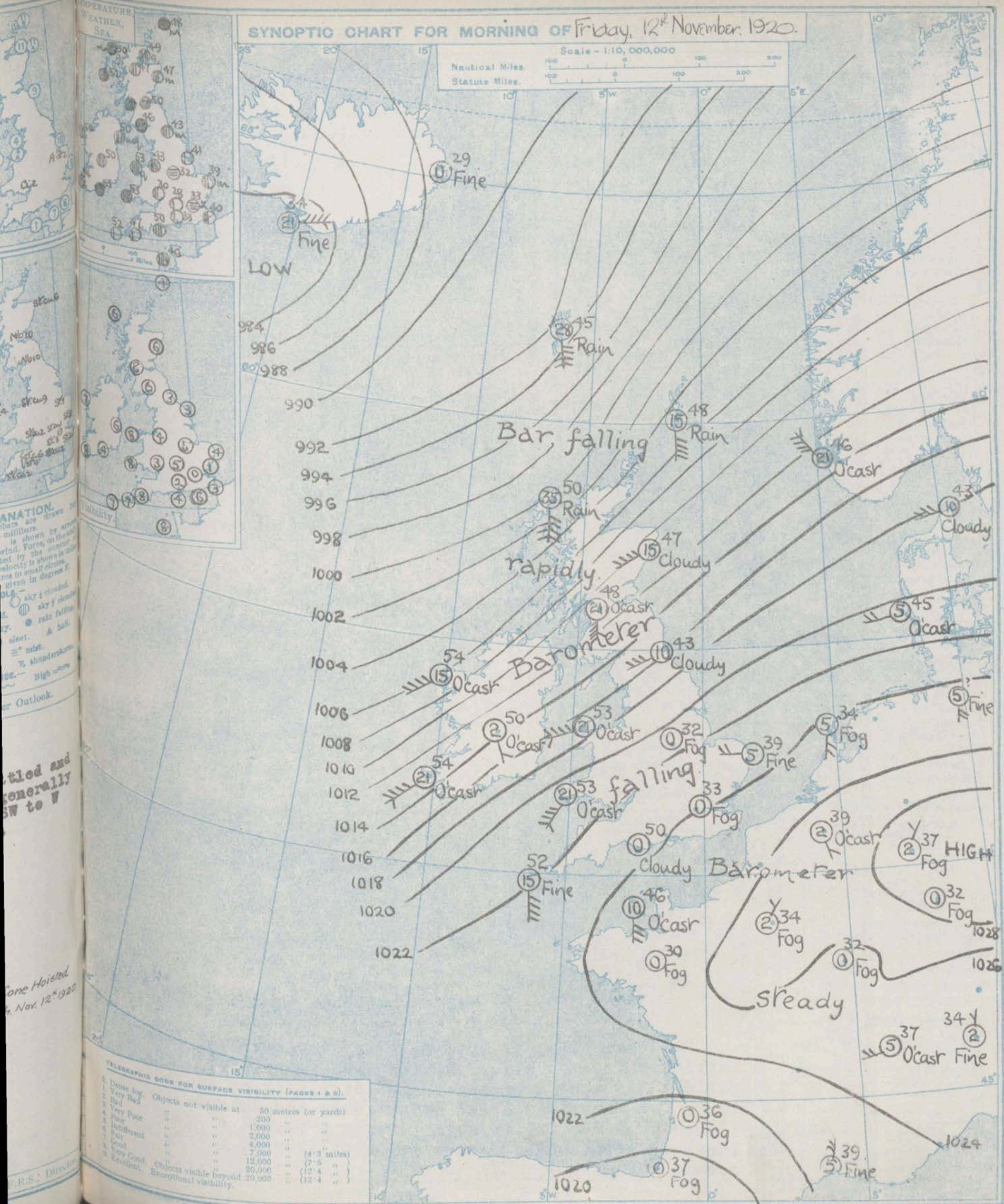
Same as 5 - 6.

20. S.W. Ireland

SYNOPTIC CHART FOR MORNING OF Friday, 12th November, 1920.

Scale = 1:10,000,000

Nautical Miles
Statute Miles.



settled and
generally
SW to W

Cone Hoisted
Nov. 12th 1920

...R.S.: Director

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 317.

Friday,
12th NOVEMBERWEATHER, 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. 10h-11h. 10 th -11 th	Day. 9h-10h. 11 th	Sunrise to Sunset. 11 th		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 10h-11h. 10 th -11 th	Day. 9h-10h. 11 th	Sunrise to Sunset. 11 th		
Scotland.	Oban	b.b.c.c.	hr	49	42	-	17	0.9	England, N.W.	Douglas (I.O.M.)					5.6		
	Banff	bc	b.c.b.	49	38	1	-	4.5		Blackpool	c.	b.c.b.	55	48	-	0.3	4.0
	Montrose									Southport	b.b.c.	b.c.b.c.	52	47	-	-	5.9
	St. Andrews									Morecambe	*	*	53	45	-	-	
England, N.E.	Harrogate	b	b.b.c.	50	40	-	-	3.6	Midlands.	Buxton							3.0
	Scarborough	b	b	49	42	-	-	7.2		Leamington Spa...	bc	c	49	34	1	-	4.3
	Skegness	b	mb	53	36	-	-	5.8		Malvern	b.b.c.	b.c.b.	52	41	-	-	3.8
England, E.	Lowestoft									Bath	c.b.c.b.	b.c.b.	54	33	-	-	5.0
	Felixstowe									Rhyl	bc	bc	60	41	-	-	5.1
	Southend-on-Sea...	bc	bc	56	41	-	-	5.8	Wales.	Colwyn Bay	*	*	53	45	-	-	4.5
										Llandudno	*	*	53	46	-	-	0.3
										Aberystwyth	a.c.	r.p.c.	52	44	-	-	
										Tenby							
										Swansea							6.7
England, S.E.	Tunbridge Wells	b.c.b.	b.b.c.m.	53	41	1	-	4.9	England, S.W.	Weymouth	bc	b.c.b.	57	43	2	-	6.2
	Margate	b.c.b.	b	52	46	-	-	5.3		Teignmouth							5.9
	Ramsgate	*	*	51	45	0.3	-	4.8		Torquay	a	b	57	42	0.1	-	5.1
	Folkestone	f.o.c.	c	55	47	-	-	3.1		Paignton	b.c.m.b.	b.m.	59	38	-	-	4.8
	Hastings	or.c.b.	b	54	46	-	-	4.3		Penzance	b	b.c.c.o.	57	40	1	-	1.1
	Eastbourne	bc	b.c.b.	53	41	-	-	5.2		Newquay	b	b.c.c.o.b.	55	38	-	-	2.8
	Brighton									Bude	a.c.b.c.c.	c.b.c.b.	55	38	-	-	3.1
	Worthing	b.c.b.	b.b.c.	58	43	-	-	6.3		Ilfracombe	b.b.c.	b.c.c.o.	53	45	2	-	
	Littlehampton	bc	b.c.w.	54	45	-	-	5.7		Weston-s-Mare	b.b.c.	c.b.c.	51	37	-	-	
	Portsmouth (S. base)	*	*	54	45	-	-	6.3									
	Bournemouth	*	*	56	43	-	-	6.5									
	Ventnor (I. of W.)	*	*	54	45	-	-	5.5									

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-12h.	12h-7h.				Day. 7h-12h.	Night. 12h-7h.	
Renfrew ...	b.c.c.2f.	or.c.m.	b.c.c.2f.	b.c.c.2f.	51	42	39	0.1	0.1	3.2
Falklandmuir ...	b.c.c.o.	r.h.c.o.	c.o.b.c.	c.o.b.c.	47	37	40	0.1	0.1	3.0
Valencia (Cabrera) ...	c.o.	a	c.o.p.	c.o.p.	54	44	47	-	-	0.2
Baldonnel ...	c.o.f.	b.c.e.v.	b.c.2f.	c.o.g.	51	41	40	-	-	3.2
Manchester (Alex. Pk.)	b.c.c.o.	or.f.b.c.	b.c.c.2f.	b.c.2f.	52	37	26	trace	-	*
Ross on Wye ...	b.b.c.f.	b.c.c.b.c.	b.c.c.b.c.	b.c.c.b.c.	50	27	26	-	-	2.7
Falmouth ...	2f.b.c.	b.c.c.b.c.	b.c.c.	w.b.c.	56	39	38	-	-	4.5
Calshot (Hants) ...	b.c.1f.	b.b.c.f.	b.c.2f.	b.c.2f.	55	38	28	-	-	6.3
Lymington (Folkestone)	c.o.f.c.	b.b.c.f.	b.c.c.2f.	b.c.c.2f.	52	39	26	-	-	4.6
Aberdeen ...	2f.1f.	1f.2f.	2f.1f.	2f.1f.	48	38	35	-	-	3.7
Howden ...	c.o.3f.	0.2f.	b.c.c.3f.	b.c.c.	48	33	30	-	-	5.7
Cranwell (Lines) ...	c.o.b.c.	b.b.c.	b.w.	b.b.c.	52	38	34	-	-	4.0
Felixstowe ...	2.b.c.	2.b.c.	b.c.2f.	x.b.	56	30	*	-	-	6.2
Shoburness ...	c.o.b.c.	b.b.c.	b.c.c.2f.	a.f.x.	55	29	22	-	-	5.6
Benson ...	b.c.c.	b.c.c.	b	b.c.c.	56	27	21	-	-	*
S. Farnborough ...	c.o.	b.c.c.b.c.	b.c.c.	b.c.c.2f.	55	24	22	-	-	5.4
London (Kew Obs.) ...	w.2f.	b.c.c.b.c.	a.f.w.	a.f.x.	51	30	29	trace	-	3.6
Croydon ...	c.o.2f.	b.c.2f.	b.c.c.2f.	b.c.c.2f.	54	33	*	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.
s sleet, i.e., rain and snow together.
t 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.	Meters per second.
0	Less than 1	Less than 0.3
1	1-3	0.4-0.8
2	4-7	1.0-1.9
3	8-12	2.2-3.3
4	13-18	3.6-5.0
5	19-24	5.2-6.7
6	25-31	6.9-8.5
7	32-38	8.8-10.7
8	39-46	10.7-12.8
9	47-54	12.8-14.9
10	55-63	15.0-17.7
11	64-75	17.7-20.7
12	Above 75	20.7 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 OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.				
	Morning.	Afternoon.						Night.	15 h. G.M.T.		9 h. G.M.T.	Stations.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	24 HOURS ENDED 9H G.M.T. 12 th .							YESTERDAY.	TO-DAY.						
Greenwich (Royal Observatory)	b3	b3	b.o.bx	51	29	25	-	0.2	93	95	Vertical Component of Solar Radiation per Square Centimetre during yesterday	Yarmouth...	7.10	11.37	4.4
City (Bunhill Row) ...	*	*	*	*	*	*	*	0.3	*	*						Greenwich	7.12	11.37	4.3
Westminster (St. James's Park)	*	*	bc.bf	63	32	29	-	0.8	69	96	Total 3.48 Joules.	Greenwich	7.10	11.44	4.14
Regent's Pk. (Botanical Gdns)	*	*	*	*	*	*	*	2.2	*	*						Wick	7.58	11.56	4.53
Camden Sq. (British Rainfall)	b.c.m.b.c.	bc.b.c.	*	54	34	28	-	*	73	100	Average Rate. 10.7 Maximum Rate. 27	Valencia ...	7.59	12.25	4.53
Kensington Palace ...	bc	bc.o	*	53	29	26	-	*	91/18h	97						Wick	7.58	11.56	4.53
Hamstead Observatory ...	*	*	*	50	36	26	trace	2.4	*	87					

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

Exposure from 11^h 17^m to 11^h 30^m.
to 11^h 30^m to 11^h 39^m.

Star.	Duration of Exposure.	Duration of Record.
Polaris	1/2 30	11 55
δ Ursae	1/2 30	10 39
Minoris		85

NOTES ON THE WEATHER OF YESTERDAY.

Rain amounting to 10mm fell at Stornoway and 6mm at Lerwick. Under a clear sky the temperature fell very rapidly at night over the inland districts of England, to 24° at Farnborough and 27° at Ross and Benson, and in these parts fog formed. The day as a result of good sunshine records, had been mild, a maximum of 80° being recorded at Rhyl.

* Information for the columns not usually received.

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

00N
0.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. B.21,541 ... SATURDAY, 13th NOVEMBER, 1920.

TEMPERATURE.	
Max.	Min.
°F.	°F.
57	36
41	32
59	50
61	43
61	46
72	50
73	59
77	52
64	54
64	61
61	46
59	55
62	45
68	63
68	55

weather. Sea
0-9.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H 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.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		

occurred
the
e.
s.
re
nos
anda
ern
light.

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.		
			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.						
19H. G.M.T. of 12 ^h							7H. G.M.T. of 13 ^h							24 HOURS ENDED 7H. 13 ^h							12 ^h			
Lerwick	996.3	50	S	4	omrg	993.1	+2	48	0	H	0	-	omrg	6	9	51	44	omrg	omrg	omrg	omrg	omrg	0.0	
Stornoway	991.7	52	S	6	04	990.1	+1	42	-8	WSW	6	-	cpq	6	20	52	42	org	org	org	org	org	0.0	
Castell Bay (Barra Is.)	994.9	54	SSW	5	0p	993.5	+1	46	-6	WSW	5	-	0p	6	3	54	45	r.oh	oh	oh	oh	oh	0.0	
Main Head	997.4	54	SSW	4	0	998.0	+2	46	-7	W	4	W	04	4	5	54	43	0	0	04	04	0.0		
Blackod Point	999.1	52	SW	6	omrg	1002.6	+2	47	-7	W	5	-	bc	6	9	55	47	04	omrg	omrg	omrg	0.0		
Roche's Point	1011.7	55	SW	4	0	1011.7	+4	47	-8	WSW	3	-	b	4	8	56	47	7.oh	oh	oh	oh	0.0		
Bir Castle	1006.2	55	SW	4	0	1007.3	-	45	-5	SW	2	-	c	-	6	55	44	c	c.o	c.o	c.o	0.0		
Donaghadee	1007.4	54	SW	3	omrg	1003.7	+2	45	-5	SW	3	-	bq	3	3	56	46	omrg	omrg	omrg	omrg	0.0		
Liverpool (Bidston)	1013.1	52	SSW	5	0	1007.5	+3	49	+6	WSW	2	-	c	3	2	55	43	c	0	04	04	0.9		
Holyhead	1011.0	54	SSW	7	oh	1007.6	+3	51	-2	WSW	4	N	bc	4	8	55	49	04	04	04	04	0.0		
Fernbrook (St. Mary's)	1015.8	52	S	6	04	1011.1	+2	53	0	SW	5	-	b	6	4	55	51	04	04	04	04	1.5		
Jersey (St. Aubin)	1023.7	43	SSW	3	0	1014.6	+1	52	0	N	3	N	0	5	3	54	52	bc.e	c.bc.e	c.bc.e	c.bc.e	3.4		
Portland Bill	1020.9	53	SSW	5	bc	1014.7	+1	54	+4	SW	6	SW	04	6	0.3	55	51	c.bc	bc	bc	bc	7.1		
Dungeness	1022.2	52	SW	3	bc	1017.3	-5	50	0	SW	4	SW	c	5	-	53	39	c.oh	c.bc	c.o	c.o	0.0		
Wick	995.6	51	SSW	4	cq	991.0	+2	44	-5	SW	3	-	b	3	-	52	42	04	cq	cq	cq	0.5		
Wairn	996.4	53	W	2	c	992.9	-	45	-2	W	4	-	bc	3	3	55	43	bc	bc	bc	bc	0.0		
Leith	1003.8	54	SW	3	bc	998.0	+1	48	-2	SW	5	-	bc	3	3	56	48	bc	bc	bc	bc	0.0		
Lynmouth	1009.9	52	WSW	5	04	1002.8	+1	51	+8	W	3	-	cm	2	2	53	42	cm	cm	cm	cm	0.0		
Spurn Head	1015.9	48	SW	4	bc	1008.3	-3	47	+6	SSW	6	-	omrg	5	4	49	39	omrg	bc	bc	bc	5.2		
Yarmouth	1020.5	46	SW	3	b	1014.8	-3	44	+5	SSW	5	-	bc	4	-	52	37	bc	bc	bc	bc	2.5		
Clacton-on-Sea	1021.6	50	SW	3	c	1015.8	-3	48	-1	SSW	5	-	c	3	-	51	40	bc	bc	bc	bc	0.4		
Worthingham	1017.4	50	SW	4	bc	1008.9	-	53	+21	S	5	S	op	4	trace	53	31	f.m.c	o.c	bc	bc	0.4		

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 13.11.1920

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

Temperature reported from Coastal and Cross Channel Steamers.

Position Number	Date	Time G.M.T.	Sea °F	Air °F
5	12 th	0857	54	53
3	12 th	0915	55	54
1	12 th	1210	57	53
6	12 th	1506	55.5	54.5
8	12 th	1530	54	53
7	13 th	0330	56	50
4A	13 th	0530	53	54

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

TEMPERATURE.—Isotherms are drawn at intervals of 1°.

WEATHER SYMBOLS.—

- ☉ sky & cloud.
- ☁ sky & cloud.
- ☂ overcast sky.
- * snow.
- ≡ fog.
- T thunder.
- SEA DISTURBANCE. Rough.
- High waves.
- Low waves.
- Half.
- Mist.
- Thunderstorm.

GENERAL INFERENCE from observations received up to 9h.

Depressions from the Atlantic are likely to pass over the British Isles or their vicinity and a period of unsettled weather, with winds between S.W. and W., and occasional rain, is consequently to be expected.

Districts. Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 13th November, 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
13. Isle of Man
14. N. & N.W. Scotland
15. Hebrides
16. Orkneys and Shetlands
17. N.W. Ireland
18. N.E. Ireland
19. S.E. Ireland
20. S.W. Ireland

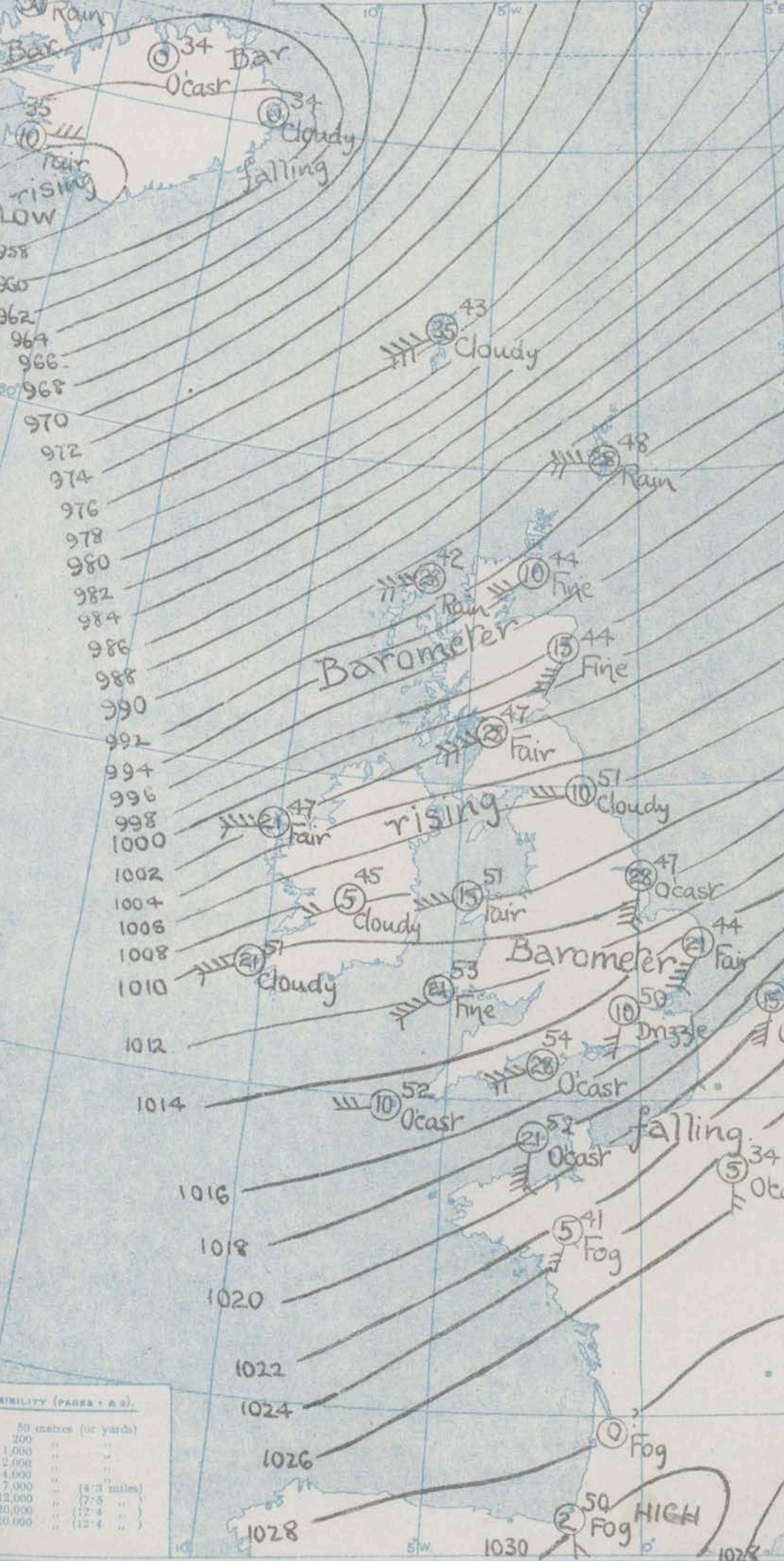
Wind South-Westerly, veering later, force varying between moderate and strong, squally; cloudy or variable sky, some rain or showers, visibility mainly fair; rather mild to moderate temperature.

Wind S.W. to W. or N.W., moderate or fresh, stronger at times; changeable, showery, visibility fair or good; moderate to rather low temperature.

Continuing unsettled.

Scale - 1:10,000,000

Nautical Miles.
Statute Miles.



TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).				
1	Dense fog.	Objects not visible at	50 metres (or yards)	
2	Very Bad	"	"	"
3	Bad	"	"	"
4	Very Poor	"	200	"
5	Poor	"	1,000	"
6	Indifferent	"	2,000	"
7	Fair	"	4,000	"
8	Good	"	7,000	"
9	Very Good	"	12,000	" (4.3 miles)
10	Excellent	Objects visible beyond	20,000	" (7.5 "
		Exceptional visibility.	20,000	" (12.4 "

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 12 ^h																	
STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 11-12 ^h .	Day. 12-1 ^h .	Sunrise to Sunset. 12 ^h .	Forenoon.		Afternoon.	Max. °F.	Min. °F.	Night. 11-12 ^h .	Day. 12-1 ^h .	Sunrise to Sunset. 12 ^h .		
Scotland.									England, N.W.								
Oban	od	or	58	45	9	2	0.0		Douglas (I.O.M.)								0.9
Banff	oce	cop	55	38	-	-	0.4		Blackpool	o.c.	o	54	40	-	-		1.1
Montrose									Southport	bc.c.o	o.c.o	55	40	-	-		0.4
St. Andrews	o	o	55	42	-	1	0.0		Morecambe	*	*	54	42	-	-		
England, N.E.									Midlands.								
Harrogate	o	o	51	40	-	-	0.1		Buxton								4.0
Scarborough	bc	bc	50	39	-	-	0.0		Leamington Spa	bc	o	52	37	-	-		3.9
Skegness	b.bc	c.b.	49	36	-	-	3.7		Malvern	bc	bc.b	52	36	-	-		4.0
England, E.									Bath	b	c.b.c.b	54	28	-	-		0.4
Lowestoft									Wales.								
Felixstowe	of	bcu	53	33	-	-	2.6		Rhyl	c	c	54	41	-	-		0.3
Southend-on-Sea	fc.c	c.b.c.b	53	33	-	-	2.6		Colwyn Bay	*	*	54	46	-	-		0.7
England, S.E.									Llandudno	*	*	56	43	-	-		0.0
Tunbridge Wells	o	o	52	30	-	-	0.0		Aberystwyth	o.c	c.o	54	43	-	-		
Margate	f.o.c.	c	54	41	-	-	1.2		Tenby								
Ramsgate	*	*	52	40	-	-	2.3		Swansea								1.1
Folkestone	3f	or.o	52	42	-	1	0.0		England, S.W.								
Hastings	od	o	53	42	1	0.3	0.1		Weymouth	c	c.b	56	37	-	-		4.6
Eastbourne	om.o	c.o.b.c	54	37	-	0.2	0.2		Teignmouth								5.1
Brighton	of.o	o.o.b	54	36	-	0.3	0.0		Torquay	o.b.c	bc.c.b.c	55	40	-	-		5.0
Werthing	o	o.c.b.c	53	35	-	-	0.0		Paignton	b.bc	bc.b	55	33	-	-		5.1
Littlehampton	o.c.	bc	51	35	-	-	0.0		Penzance	bc	c.o	54	49	-	-		5.1
Portsmouth (S. Thames)	*	*	56	37	-	-	2.0		Newquay	b.o.b	b.b.c.b	54	42	-	-		5.4
Bournemouth	*	*	54	33	-	-	2.5		Bude	b	b	55	38	-	-		4.8
Venrhor (I. of W.)	*	*	55	44	1	0.3	1.3		Ilfracombe	b.bc	bc.b.b.c	55	43	-	-		5.0
									Weston-s-Mare	b	b	56	38	-	-		

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										Sun. Hours.
	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL.		Sun. Hours.	
	7h-12h.	12h-18h.	18h-12h.	12h-12h.				Day. 7h-12h.	Night. 12h-7h.		
Renfrew	o.c.	o.c.	o.c.	o.c.	55	47	42	1	9	0.0	
Esksdalemuir	o.c.	o.c.	o.c.	o.c.	51	44	41	5	17	0.0	
Valencia (Cahire)	o.c.	o.c.	o.c.	o.c.	56	49	45	-	7	0.2	
Baldonnel	o.c.	o.c.	o.c.	o.c.	56	45	42	-	8	0.8	
Manchester (Alex. P.W.)	o.c.	o.c.	o.c.	o.c.	53	43	38	-	5	0.0	
Ross on Wye	o.c.	o.c.	o.c.	o.c.	53	30	40	-	21	3.0	
Falmouth	o.c.	o.c.	o.c.	o.c.	55	45	44	-	2	3.5	
Falshot (Hants)	o.c.	o.c.	o.c.	o.c.	56	37	44	-	0.3	30.7	
Lymington (Hants)	o.c.	o.c.	o.c.	o.c.	50	40	41	trace	-	0.2	
Aberdeen	o.c.	o.c.	o.c.	o.c.	55	46	40	-	-	0.0	
Howden	o.c.	o.c.	o.c.	o.c.	51	36	35	-	1	0.0	
Cranwell (Lines)	o.c.	o.c.	o.c.	o.c.	49	44	42	-	-	3.0	
Felixstowe	o.c.	o.c.	o.c.	o.c.	50	31	*	-	-	3.7	
Shoeburyness	o.c.	o.c.	o.c.	o.c.	54	31	40	trace	-	2.8	
Benson	o.c.	o.c.	o.c.	o.c.	52	29	36	-	0.1	*	
S. Farnborough	o.c.	o.c.	o.c.	o.c.	53	31	39	trace	0.4	3.2	
London (Kew Obs.)	o.c.	o.c.	o.c.	o.c.	51	32	31	trace	trace	1.0	
Croydon	o.c.	o.c.	o.c.	o.c.	54	37	*	-	0.1	*	

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

THE BEAUFORT 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
1	1-2
2	2-3
3	3-4
4	4-5
5	5-6
6	6-7
7	7-8
8	8-9
9	9-10
10	10-11
11	11-12
12	12-13
13	13-14
14	14-15
15	15-16
16	16-17
17	17-18
18	18-19
19	19-20
20	20-21
21	21-22
22	22-23
23	23-24
24	24-25
25	25-26
26	26-27
27	27-28
28	28-29
29	29-30
30	30-31
31	31-32
32	32-33
33	33-34
34	34-35
35	35-36
36	36-37
37	37-38
38	38-39
39	39-40
40	40-41
41	41-42
42	42-43
43	43-44
44	44-45
45	45-46
46	46-47
47	47-48
48	48-49
49	49-50
50	50-51
51	51-52
52	52-53
53	53-54
54	54-55
55	55-56
56	56-57
57	57-58
58	58-59
59	59-60
60	60-61
61	61-62
62	62-63
63	63-64
64	64-65
65	65-66
66	66-67
67	67-68
68	68-69
69	69-70
70	70-71
71	71-72
72	72-73
73	73-74
74	74-75
75	75-76
76	76-77
77	77-78
78	78-79
79	79-80
80	80-81
81	81-82
82	82-83
83	83-84
84	84-85
85	85-86
86	86-87
87	87-88
88	88-89
89	89-90
90	90-91
91	91-92
92	92-93
93	93-94
94	94-95
95	95-96
96	96-97
97	97-98
98	98-99
99	99-100
100	100-101
101	101-102
102	102-103
103	103-104
104	104-105
105	105-106
106	106-107
107	107-108
108	108-109
109	109-110
110	110-111
111	111-112
112	112-113
113	113-114
114	114-115
115	115-116
116	116-117
117	117-118
118	118-119
119	119-120
120	120-121
121	121-122
122	122-123
123	123-124
124	124-125
125	125-126
126	126-127
127	127-128
128	128-129
129	129-130
130	130-131
131	131-132
132	132-133
133	133-134
134	134-135
135	135-136
136	136-137
137	137-138
138	138-139
139	139-140
140	140-141
141	141-142
142	142-143
143	143-144
144	144-145
145	145-146
146	146-147
147	147-148
148	148-149
149	149-150
150	150-151
151	151-152
152	152-153
153	153-154
154	154-155
155	155-156
156	156-157
157	157-158
158	158-159
159	159-160
160	160-161
161	161-162
162	162-163
163	163-164
164	164-165
165	165-166
166	166-167
167	167-168
168	168-169
169	169-170
170	170-171
171	171-172
172	172-173
173	173-174
174	174-175
175	175-176
176	176-177
177	177-178
178	178-179
179	179-180
180	180-181
181	181-182
182	182-183
183	183-184
184	184-185
185	185-186
186	186-187
187	187-188
188	188-189
189	189-190
190	190-191
191	191-192
192	192-193
193	193-194
194	194-195
195	195-196
196	196-197
197	197-198
198	198-199
199	199-200
200	200-201
201	201-202
202	202-203
203	203-204
204	204-205
205	205-206
206	206-207
207	207-208
208	208-209
209	209-210
210	210-211
211	211-212
212	212-213
213	213-214
214	214-215
215	215-216
216	216-217
217	217-218
218	218-219
219	219-220
220	220-221
221	221-222
222	222-223
223	223-224
224	224-225
225	225-226
226	226-227
227	227-228
228	228-229
229	229-230
230	230-231
231	231-232
232	232-233
233	233-234
234	234-235
235	235-236
236	236-237
237	237-238
238	238-239
239	239-240
240	240-241
241	241-242
242	242-243
243	243-244
244	244-245
245	245-246
246	246-247
247	247-248
248	248-249
249	249-250
250	250-251
251	251-252
252	252-253
253	253-254
254	254-255
255	255-256
256	256-257
257	257-258
258	258-259
259	259-260
260	260-261
261	261-262
262	262-263
263	263-264
264	264-265
265	265-266
266	266-267
267	267-268
268	268-269
269	269-270
270	270-271
271	271-272
272	272-273
273	273-274
274	274-275
275	275-276
276	276-277
277	277-278
278	278-279
279	279-280
280	280-281
281	281-282
282	282-283
283	283-284
284	284-285
285	285-286
286	286-287
287	287-288
288	288-289
289	289-290
290	290-291
291	291-292
292	292-293
293	293-294
294	294-295
295	295-296
296	296-297
297	297-298
298	298-299
299	299-300
300	300-301
301	301-302
302	302-303
303	303-304
304	304-305
305	305-306
306	306-307
307	307-308
308	308-309
309	309-310
310	310-311
311	311-312
312	312-313
313	313-314
314	314-315
315	315-316
316	316-317
317	317-318
318	318-319
319	319-320
320	320-321
321	321-322
322	322-323
323	323-324
324	324-325
325	325-326
326	326-327
327	327-328
328	328-329
329	329-330
330	330-331
331	331-332
332	332-333
333	333-334
334	334-335
335	335-336
336	336-337
337	337-338
338	338-339
339	339-340
340	340-341
341	341-342
342	342-343
343	343-344
344	344-345
345	345-346
346	346-347
347	347-348
348	348-349
349	349-350
350	350-351
351	351-352
352	352-353
353	353-354
354	354-355
355	355-356
356	356-357
357	357-358
358	358-359
359	359-360
360	360-361
361	361-362
362	362-363
363	363-364
364	364-365
365	365-366
366	366-367
367	367-368
368	368-369
369	369-370
370	370-371
371	371-372
372	372-373
373	373-374
374	374-375
375	375-376
376	376-377
377	377-378
378	378-379
379	379-380
380	380-381
381	381-382
382	382-383
383	383-384
384	384-385
385	385-386
386	386-387
387	387-388
388	388-389
389	389-390
390	390-391
391	391-392
392	392-393
393	393-394
394	394-395
395	395-396
396	396-397
397	397-398
398	398-399
399	399-400
400	400-401
401	401-402
402	402-403
403	403-404
404	404-405
405	405-406
406	406-407
407	407-408
408	408-409
409	409-410
410	410-411
411	411-412
412	412-413
413	413-414
414	414-415
415	415-416
416	416-417
417	417-418
418	418-419
419	419-420
420	420-421
421	421-422
422	422-423
423	423-424
424	424-425
425	425-426
426	426-427
427	427-428
428	428-429
429	429-430
430	430-431
431	431-432
432	432-433
433	433-434
434	434-435
435	435-436
436	436-437
437	437-438
438	438-439
439	439-440
440	440-441

LONDON OBSERVATIONS.		WEATHER.			Max. Temp.		Min. Temp.		Min. on Grass.		Rain-fall.		Sun-shine to Sunset.		HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).		TABLE SHOWING THE GREENWICH SUBURBS, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.						
		Morning.	Afternoon.	Night.	°F.	°F.	°F.	mm.	Hours.	15 h. G.M.T.	9 h. G.M.T.							13 th AND 14 th NOVEMBER 1920.							
		24 HOURS ENDED 24 G.M.T. 13 th										YESTERDAY.		TO-DAY.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.		Situations.		Sunrise.		Noon.		Sunset.	
																		G.M.T.		G.M.T.		G.M.T.			
Greenwich (Royal Observatory)	bm	bc.b	6.0	55	37	32	-	3.3	82	92							Yarmouth ...		{ 7.12		{ 11.37		{ 4.3		
City (Bunhill Row)	"	"	"	"	"	"	"	0.0	"	"									{ 7.14		{ 11.38		{ 4.2		
Westminster (St. James's Park)	"	"	02	54	38	35	-	0.2	74	85									{ 7.16		{ 11.44		{ 4.13		
Regent's P. (Botanic Gar.)	fe.om	c.o	"	53	40	39	"	0.0	"	89	92							Greenwich		{ 7.18		{ 11.45		{ 3.55	
Camden Sq. (British Rainfall)	"	"	"	53	40	39	"	"	"	89	92							Wick		{ 7.58		{ 11.57		{ 3.52	
Kensington Palace	c	c	"	53	34	36	-	"	90 (18h)	90									{ 8.0		{ 12.25		{ 4.52		
Hampstead Observatory	"	"	"	51	42	38	br.c	1.4	"	96									{ 8.1		{ 12.26		{ 4.51		

NOTES ON THE WEATHER OF YESTERDAY.														
<p>Temperature rose to 58° at Oban and to about 55° in many other localities. Rain fell in nearly all districts, the largest amounts being 20mm at Stormoway and 10mm at Renfrew. Bright sunshine records were slight generally, but some stations in the South West had several hours, and about 5 hours was measured at Castlebay and Great Yarmouth.</p>														
<p>Photographic Record of Pole Star (Polaris) and of 3 Ursae Minoris at Greenwich Observatory.</p>														
<p>Exposure from 12^h 17^m 30^s to 1^h 6^m 0^s.</p>														
Stars.	Duration of Exposure.	Duration of Record.												
Polaris	12. 30	3. 10												
3 Ursae Minoris	12. 30	5. 50												

* Information for these columns not usually received.

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



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. 821542. SUNDAY... 4TH... NOVEMBER... 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 15H 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.	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						Form.	Amt.	Form.	Amt.				Dir.	Force																	
			12H. G.M.T. of 13 TH														12H. G.M.T. of 14 TH																		
Renfrew ...	1004.4	+1.5	WSW	5	oq	44	75	7	2000	CuN	9	-	-	*	1006.1	+1	SW	5	o	46	75	7	3000	StCn	4	ASh	6	*							
Eskdalemuir ...	1006.4	+3	SW	6	bca	43	75	8	-	Cu	4	Ci	1	*	1008.9	+2	SW	4	c	43	75	7	-	StCn	7	-	-	*							
Valencia (Cahire's) ...	1013.6	0	WSW	5	c	52	75	8	2000	StCn	6	ASh	2	5	1012.6	-2	SSW	4	c	51	75	7	2000	StCn	8	-	-	4							
Baldonnell ...	1011.0	+3	SW	4	oif	49	75	7	2000	StCn	8	Ci	1	*	1014.7	+1	S	4	bca	45	92	9	-	-	ASh	4	*								
MANCHESTER (AERA) ...	1012.0	+4	W	5	bca	52	65	5	4200	Cu	3	ASh	2	*	1013.3	+2	WSW	3	bca	46	75	4	4200	StCn	2	-	-	*							
Ross on Wye ...	1014.4	+3	W	4	bv	57	65	9	4200	Cu	3	-	-	*	1016.2	+2	WSW	3	b	47	85	7	-	-	Ci	2	*								
Falmouth ...	1017.6	+2	WNW	4	bc	56	75	7	-	StCn	4	-	-	*	1015.6	+2	WSW	2	b	48	85	8	-	StCn	2	-	-	*							
Calshot (Hants) ...	1015.9	+1	WNW	3	o	55	85	9	1200	St	6	ASh	3	2	1018.1	+2	WSW	3	bca	51	92	7	2000	St	4	-	-	2							
Lymington (Folkstone) ...	1016.3	-2	SW	6	oqmd	52	97	4	1500	Nb	10	-	-	*	1018.3	+3	WSW	3	bca	49	97	3	-	-	-	-	-	*							
Aberdeen ...	999.8	+4	SW	4	b	48	65	8	4200	CuN	2	-	-	3	1003.3	+3	SSW	3	bif	41	85	6	4200	StCn	1	-	-	3							
Howden ...	1010.6	+4	W	6	oq	52	75	6	2000	CuN	8	-	-	*	1012.4	+1	WSW	2	bm	41	97	7	4200	St	3	-	-	*							
Cranwell (Lincs) ...	1012.7	+2	W	3	bc	54	75	8	4200	Cu	3	ASh	1	*	1015.0	+2	WSW	3	bc	48	75	7	4200	St	4	-	-	*							
Felixstowe ...	1015.1	-1	SSW	5	oq	52	97	5	1200	St	10	-	-	*	1017.4	+3	SSW	2	bif	49	97	6	-	-	-	-	-	*							
Shoeburyness ...	1014.7	-1	SW	6	og	54	95	6	1200	St	10	-	-	*	1016.5	+4	-	0	b	42	92	6	2000	St	2	-	-	*							
Benson ...	1014.9	+1	WSW	3	b	57	75	6	-	-	-	-	-	*	1017.1	+2	-	0	b	45	95	9	-	-	Ci	2	*								
S. Farnborough ...	1015.4	+2	W	3	o	54	85	6	3000	St	9	-	-	*	1017.5	+3	W	1	b	42	97	5	3000	St	2	-	-	*							
London (Kew Obs.) ...	1015.1	+2	SW	3	oif	53	85	5	4200	StCn	10	-	-	*	1017.2	+2	SW	1	bca	49	85	4	-	-	-	-	-	*							
Croydon ...	1016.0	+2	W	4	oq	53	85	5	1200	Nb	10	-	-	*	1017.8	+2	SSW	2	bif	48	85	6	2000	StCn	1	-	-	*							
1H. G.M.T. of 14 TH												7H. G.M.T. of 14 TH																							
Renfrew ...	1002.1	-10	S	7	oq	46	85	6	-	St	10	-	-	*	998.2	+5	SW	6	oq	44	85	7	2000	CuN	8	-	-	*							
Eskdalemuir ...	1008.1	-4	SSW	8	oq	53	*	*	*	*	*	*	*	*	1000.5	+2	SW	4	o	43	85	7	2000	Nb	9	Ci	St	*							
Valencia (Cahire's) ...	1008.5	-7	SSW	7	c	50	97	6	4200	St	8	-	-	*	1008.2	-1	SW	3	o	53	92	5	2000	Nb	10	-	-	*							
Baldonnell ...	1006.5	-7	SSW	7	c	50	97	6	4200	St	8	-	-	*	1005.9	+3	SW	5	oq	50	97	5	1250	Nb	9	-	-	*							
MANCHESTER (AERA) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.4	-3	SW	5	oq	48	92	5	2000	Nb	10	-	-	*							
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.2	0	SW	5	oq	50	85	7	1250	Nb	10	-	-	*							
Falmouth ...	1016.8	-3	SW	4	b	49	85	7	-	St	1	-	-	*	1016.0	0	SW	4	o	52	85	7	-	StCn	10	-	-	*							
Calshot (Hants) ...	1017.1	-3	-	0	bif	47	97	6	-	-	-	-	-	*	1016.2	+2	WSW	3	oif	51	85	6	4200	St	10	-	-	2							
Lymington (Folkstone) ...	1017.4	-2	WSW	1	cif	50	97	3	1250	St	7	-	-	*	1015.8	-3	W	1	oqmd	49	97	6	1500	Nb	10	-	-	*							
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	992.5	+3	SW	4	b	43	75	8	-	-	-	-	-	3							
Howden ...	1011.7	-3	S	4	bc	43	92	6	4200	St	6	-	-	*	1005.5	-4	SW	5	o	49	85	7	2000	St	6	ASh	4	*							
Cranwell (Lincs) ...	1014.2	-1	SSW	3	b	43	97	5	2000	St	3	-	-	*	1010.2	-2	SSW	5	o	48	92	8	2000	St	6	ASh	3	*							
Felixstowe ...	1017.3	-2	SW	2	cif	46	97	5	3000	St	8	-	-	2	1014.9	-2	SSW	2	c	46	97	6	5700	StCn	8	-	-	2							
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1014.8	-2	SW	1	c	48	85	6	3000	StCn	6	ASh	2	*							
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.8	-1	S	3	o	45	92	7	-	-	ASh	9	*								
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1015.0	0	SW	3	c	47	97	5	3000	St	8	-	-	*							
London (Kew Obs.) ...	1016.4	-1	*	*	*	*	*	*	*	*	*	*	*	*	1014.4	-1	SW	3	cif	46	92	5	3000	StCn	4	ASh	3	*							
Croydon ...	1017.6	-2	SSW	2	bifw	46	97	6	-	-	-	Ci	1	*	1015.5	-1	SW	4	cifw	49	85	7	3000	StCn	5	ASh	1	*							
STATIONS CONTRIBUTING REPORTS AT 7H. AND 15H.																																			
STATIONS.	BAROM. at M.S.L.	TEMP. °F.	WIND.		Weather.	BAROMETER. at M.S.L.	TEMPERATURE. °F.	Change in 24 hours.	WIND.	Dir.	Force	Dir.	Force	Dir.	Force	Dir.	Force	Dir.	Force	Dir.	Force	Dir.	Force	Dir.	Force	Dir.	Force	Dir.	Force						
			Dir.	Force																															
			18H. G.M.T. of 13 TH																											7H. G.M.T. of 14 TH					
Lerwick ...	992.0	45	SW	6	bca	985.8	-5	44	SW	5	2	c	3	16	48	38	bca	985.8	-5	44	SW	5	2	c	3	16	48	38	bca	985.8	-5	44	SW	5	2
Stornoway ...	994.7	42	WSW	5	o	990.4	-3	39	WSW	5	2	c	3	20	45	36	cph	990.4	-3	39	WSW	5	2	c	3	20	45	36	cph	990.4	-3	39	WSW	5	2
Castell Bay (Barra) ...	995.0	45	W	5	op	994.9	+5	45	WNW	5	2	o	3	5	49	41	op	994.9	+5	45	WNW	5	2	o	3	5	49	41	op	994.9	+5	45	WNW	5	2
Malin Head ...	1002.9	45	SSW	4	o	997.9	+3	45	WSW	5	2	c	3	17	50	43	o	997.9	+3	45	WSW	5	2	c	3	17	50	43	o	997.9	+3	45	WSW	5	2
Blackhead Point ...	1005.6	44	SW	6	c	1001.8	+8	48	WSW	4	2	o	3	9	55	50	bc	1001.8	+8	48	WSW	4	2	o	3	9	55	50	bc	1001.8	+8	48	WSW	4	2
Roche's Point ...	1014.6	50	WSW	3	b	1010.3	0	54	WSW	4	2	o	3	1	55	47	bcc	1010.3	0	54	WSW	4	2	o	3	1	55	47	bcc	1010.3	0	54	WSW	4	2
Birr Castle ...	1011.1	46	S	2	c	1006.3	*	51	S	3	2	o	3	4	54	44	cpl	1006.3	*	51	S	3	2	o	3	4	54	44	cpl	1006.3	*	51	S	3	2
Donaghadee ...	1009.4	45	WSW	2	bc	1003.1	+2	47	SW	3	2	SW	3	2	51	45	bc	1003.1	+2	47	SW	3	2	SW	3	2	51	45	bc	1003.1	+2	47	SW	3	2
Liverpool (Midston) ...	1012.3	48	WSW	3	c	1006.7	-2	53	WSW	5	2	W	5	1	54	46	bca	1006.7	-2	53	WSW	5	2	W	5	1	54	46	bca	1006.7	-2	53	WSW	5	2
Holyhead ...	1012.8	51	WSW	5	c	1006.5	+1	54	W	5	2	-	5	1	54	50	bca	1006.5	+1	54	W	5	2	-	5	1	54	50	bca	1006.5	+1	54	W	5	2
Pembroke (St. Ann's Head) ...	1016.5	52	WSW	3	bc	1011.3	-1																												

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

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers			
				Position Number	Date	Time G.M.T.	Air °F
1. S.E. England	Cloudy or Overcast	Fair	Slight				
2. E. England	Cloudy or overcast	Fair	Smooth	5	13 th	0832	55
3. E. Midlands	Overcast	Good	"	12	13 th	0510	53
4. W. Midlands	Overcast, slight rain	Good	"	7	14 th	0305	57
5. S.W. England	Fair to Overcast	Good	"				
6. South Wales	Overcast, squally	V. good	R. rough				
7. North Wales	"	"	Moderate				
8. N.W. England	" slight rain	Fair	"				
9. N. Midlands	"	"	"				
10. N.E. England	" some rain, local (mist.)	Indiff	Smooth				
11. E. Scotland	Variable	V. good	Moderate				
12. S.W. Scotland	Dull, local rain & hail	Good	"				
13. Isle of Man	Fair to dull	"	"				
14. N. & N.W. Scotland	Dull, squally	Fair	"				
15. Hebrides	Dull, showery	"	R. rough				
16. Orkneys and Shetlands	Cloudy	Indiff	Moderate				
17. N.W. Ireland	Dull	Fair	"				
18. N.E. Ireland	Fair to dull	"	Slight				
19. S.E. Ireland	Dull	"	Moderate				
20. S.W. Ireland	Dull, some rain,	Indiff	Slight				

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 for intervals of two millibars.

WIND. — Direction is shown by the arrow flying with the wind. Force, on the scale 0-12, is indicated by the number.

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

WEATHER SYMBOLS. —

- clear sky.
- sky & cloud.
- overcast sky.
- sky & cloud.
- rain falling.
- snow.
- ice.
- fog.
- thunder.
- thunderstorm.

SEA DISTURBANCE. —

- Rough.
- High waves.

GENERAL INFERENCE from observations received up to 9h. GMT

The Icelandic depression is keeping well to the North of the British Isles but secondaries will continue to cause much cloud and rain and the wind will be strong to a gale at times from SW or W.

Districts.

Forecasts for the 24 hours commencing 15h.G.M.T Sunday, 14th November 1920

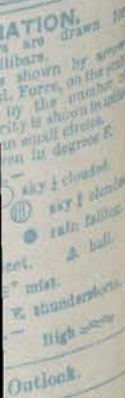
1. S.E. England	
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Wind SW to W, strong at times; much low cloud,
7. North Wales	intermittent rain; visibility mainly fair to good;
8. N.W. England	rather mild.
9. N. Midlands	
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	Wind mainly strong from between SW & W but veering to NW
15. Hebrides	at times; much low cloud, showery, visibility fair to good.
16. Orkneys and Shetlands	Same as 1 - 13.
17. N.W. Ireland	Same as 14 - 15
18. N.E. Ireland	Same as 1 - 13.
19. S.E. Ireland	
20. S.W. Ireland	Same as 14 - 15

Further Outlook.

Unsettled weather with Westerly winds for a day or two.

South Cone hoisted

10



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

SUNDAY
14th Nov 1920

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 1920																	
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-9h.	Day. 9h-12h.	Sunrise to Sunset.			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-9h.	Day. 9h-12h.	Sunrise to Sunset.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.
						12h-9h.		9h-12h.							12h-9h.		9h-12h.

SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.									
STATIONS.		WEATHER.				TEMPERATURE.		RAINFALL.		Sun. Hours.									
		7h-12h.	12h-18h.	18h-12h.	1h-7h.	Max. °F.	Min. °F.	Day. 7h-12h.	Night. 12h-7h.										
Renfrew	...	coprh	coprh	coprh	coprh	48	40	32	1	2.0									
Eskdalemuir	...	bcb bcb	bcb bcb	bcb bcb	bcb bcb	47	40	38	1	3.4									
Valencia (Cahire's)	...	cop	pcobcc	bcc o	h p	54	49	46	-	1.2									
Baldonnel	...	cop	bcc q	bcc q	2.9, cosp	51	44	41	1	3.5									
MANCHESTER (ANEX-PK)	...	oprh bcb	oprh bcb	bcb q	bcb q	54	42	34	0.1	0.2									
Ross on Wye	...	edg bcb	bcb bcb	bcb bcb	o q	58	44	36	-	4.1									
Palmouth	...	cop bcb	bcb bcb	bcb bcb	bcb bcb	57	45	39	1	4.9									
Calshot (Hanta)	...	p d d o	obcb q	obcb q	bif w oif	57	44	32	0.4	2.0									
Lympne (Folkestone)	...	oif oif p d	bcb bcb	bcb bcb	oif p d d	53	47	42	0.3	0.0									
Aberdeen	...	oprh bcb	bcb q	bcb q	bcb q	48	40	34	Trace	4.9									
Howden	...	co q	bcb q	bcb q	o c o	54	43	31	-	3.5									
Cranwell (Lincs)	...	oprh bcb	bcb bcb	bcb bcb	bcb bcb	55	42	38	1	4.3									
Felixstowe	...	oif p	bcb q	bcb q	bcb q	53	44	*	-	0.2									
Shoeburyness	...	q o	p d bcb	bcb o	bcb o	55	40	34	1	0.0									
Benson	...	b	b	b	b	57	38	31	-	*									
S. Farnborough	...	rr bcb	co bcb	bcb bcb	bcb bcb	56	36	28	1	1.9									
London (Kew Obs.)	...	d d r r o f	o f p	o f p	o f p	55	39	29	1	1.6									
Croydon	...	o d o f p	o f p	o f p	o f p	56	44	*	1	0.1									

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp.	Min. Temp.	Min. on Grass.	Rain- fall.	Sun- shine to Sunset.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.	
	Morning.	Afternoon.	Night.	°F.	°F.	°F.	mm.	Hours.	15 h. G.M.T.	9 h. G.M.T.			
	24 HOURS ENDED 9h G.M.T. 14 th								YESTERDAY.				To-day.
Greenwich (Royal Observatory)	ot.	bc. a	bc. o.	56	42	32	0.3	1.3	84	78	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	14 th 9.12 th NOVEMBER..... 1920.	
City (Sunhill Row) ...	*	*	*	*	*	*	*	*	*	*			Stations.	Sunrise. G.M.T.	Noon. G.M.T.
Westminster (St. James's Park)	*	*	nd. r. o.	56	42	35	1	80	82	82	Total..... Joules.	Yarmouth...{				Greenwich {
Regent's Park (Botanical Garden)	*	*	*	*	*	*	*	*	*	*			Milliwatts.	Wick ...{	Valencia ...{
Camden Sq. (British Rainfall)	ot. o. f. p.	o	*	56	42	34	?	*	92	85	Average Rate.	Wick ...{				Valencia ...{
Kensington Palace ...	ot. bc	bc	*	56	38	30	1	82 (18h)	89	89			Maximum Rate.	Wick ...{	Valencia ...{
Hampstead Observatory ...	*	*	*	55	42	36	3	1.6	*	91	Maximum Rate.	Wick ...{				Valencia ...{

Photographic Record of Pole Star (Polaris) and of δ Ursae Minoris at Greenwich Observatory.										NOTES ON THE WEATHER OF YESTERDAY.									
Exposure from.....h.....m to.....h.....m																			
Stars.	Duration of Exposure.	Duration of Record.																	
Polaris	h. m.	h. m.																	
δ Ursae Minoris	h. m.	h. m.																	

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 15.11.1920.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Dull, rainy, squally.	Indiff.	High.
2. E. England	Dull, squally.	Good	Mod.
3. E. Midlands	Dull, some showers.	"	-
4. W. Midlands	Dull, squally, some drizzle.	Fair	-
5. S.W. England	Dull, rainy, squally.	Indiff.	Rough
6. South Wales	Dull, squally, some rain.	"	High
7. North Wales	Dull, squally.	"	Rough
8. N.W. England	Dull, squally, local rain.	"	High
9. N. Midlands	Dull, some showers.	Fair	-
10. N.E. England	Fair to dull, squally.	"	Mod.
11. E. Scotland	Fine to dull, squally.	Good	"
12. S.W. Scotland	Dull, squally.	"	Rough
13. Isle of Man	Dull, squally.	Indiff.	"
14. N. & N.W. Scotland	Fair to dull, squally.	Fair	"
15. Hebrides	No reports.		
16. Orkneys and Shetlands	Dull, squally.	Indiff.	Rough
17. N.W. Ireland	Cloudy, squally.	Poor	"
18. N.E. Ireland	Dull, squally.	Indiff.	Rough
19. S.E. Ireland	Dull, squally, local rain.	Indiff.	"
20. S.W. Ireland	Dull.	Good	"

Temperature reported from Coastal and Cross Channel Steamers

Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
8	14 th	0530	56	?
4	14 th	0650	54	53
3	14 th	1025	55	54

CHART OF POSITION NUMBERS and Upper Cloud



Isallobars.



Lower Cloud.



GENERAL INFERENCE from observations received up to 9h.

A very deep depression centred to the Northward of Scotland will probably travel away North-Eastward. A Westerly to North-Westerly wind with a lower temperature is probable over the British Isles, with occasional showers and squalls of rain or hail.

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

1. S.E. England	Wind veering to West, strong or a gale, then moderating; changeable, some rain or hail, visibility fair; colder.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	Wind veering to West or North-West, strong or a gale, then moderating; changeable, some rain or hail, visibility fair to good; colder.
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 winds between North-West and South-West.

South Cone hoisted.

SYNOPTIC CHART FOR MORNING OF MONDAY, 15TH NOVEMBER, 1920.

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

ANATION.
Lines are drawn
millibars
is shown by arrow
wind. Force, on the
ed by the number
velocity is shown in
ra in small circles.
given in degrees F.
sky & cloud.
sky & cloud.
rain falling.
mist. A ball.
thunderstorm.
High
Outlook.

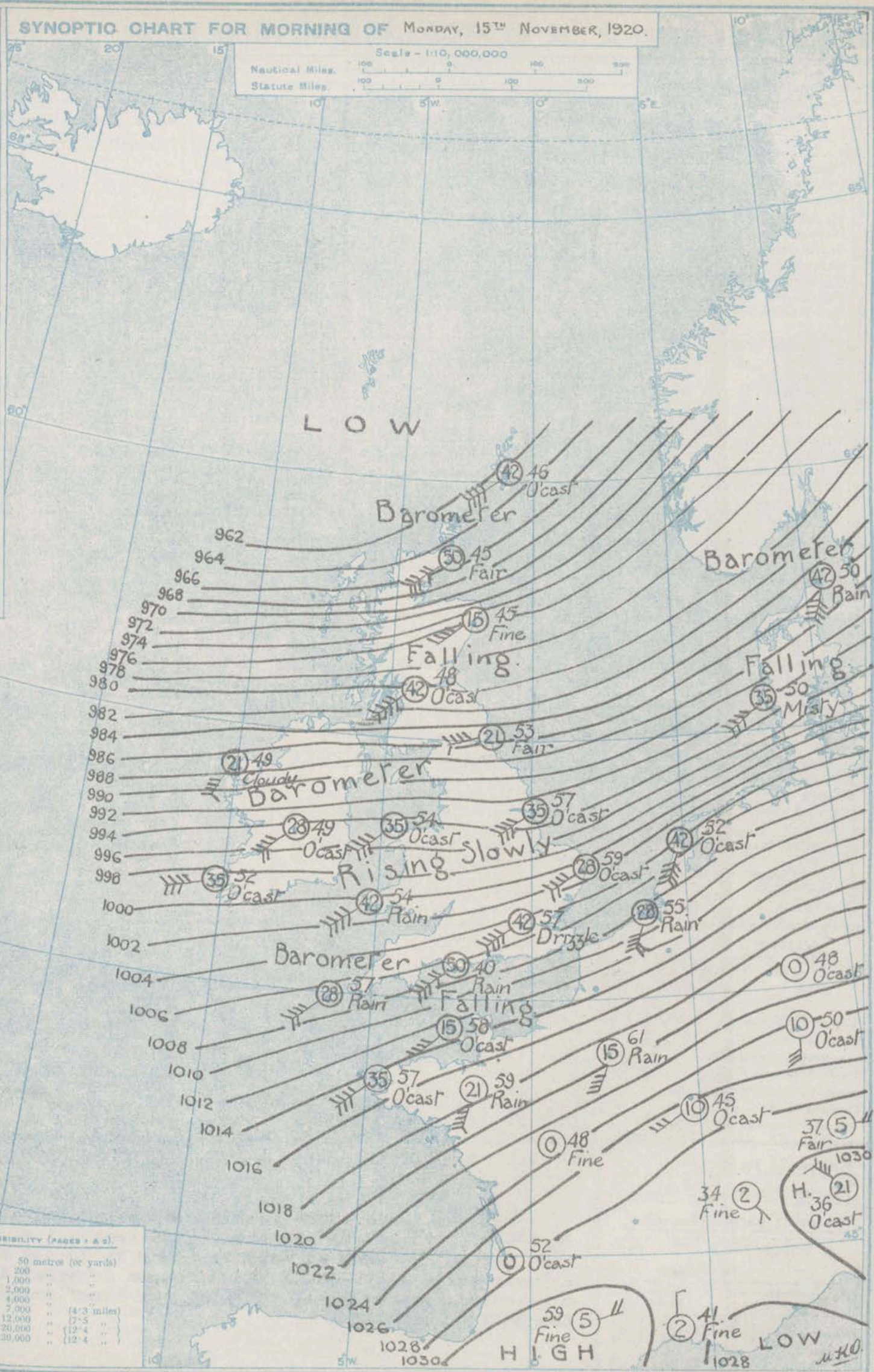
ing
ed with
between
West and
East.

Cone
ed.

R.S. Director.

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

Objects not visible at	50 metres (or yards)
1. Dense fog	200 "
2. Very Bad	1,000 "
3. Bad	2,000 "
4. Very Poor	4,000 "
5. Poor	7,000 "
6. Indifferent	12,000 "
7. Fair	20,000 "
8. Good	30,000 "
9. Very Good	40,000 "
10. Excellent	50,000 "
Objects visible beyond	50,000 "
Exceptional visibility.	60,000 "





AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. B21544 Tuesday, 16th November, 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.																													
STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather.	TEMP. °F.	Humidity. %	Visibility. 0-3.	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. 0-3.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.	
			Dir.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Dir.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.		
			12H. G.M.T. 15 th															12H. G.M.T. OF 15 th											
Renfrew ...	984.3	+4	WSW	7	c	47	65	7	2000	Ca	7	-	-	-	987.3	+3	SW	7	orha	44	75	6	-	Nb	10	-	-	-	-
Eskdalemuir ...	987.8	+2	SW	8	oq	45	65	7	-	St	8	Ca	1	-	991.2	+4	WSW	8	orha	41	75	4	1250	Nb	10	-	-	-	-
Valencia (Cahire'n)	1002.3	+2	WSW	6	c	52	65	7	3000	St	7	Ca	1	-	1004.7	+4	WSW	6	bc	49	75	7	3000	St	4	-	-	-	-
Baldonnel ...	997.5	+2	SW	5	cq	50	65	7	4200	St	7	Ca	1	-	999.5	+2	WSW	5	bq	45	75	6	-	-	-	ASr	1	-	-
Manchester (Alex. PK)	997.7	+2	W	6	c	51	65	7	3000	St	6	Ca	2	-	1000.2	+4	W	5	bz	47	65	6	3000	St	3	-	-	-	-
Ross on Wye ...	1002.7	+1	W	7	oq	54	65	8	2000	Nb	7	Ca	2	-	1005.6	+3	W	6	cq	52	65	7	2000	Nb	6	Ca	2	-	-
Falmouth ...	1009.1	+1	SW	5	odq	53	92	5	-	Nb	10	-	-	-	1010.1	+1	SW	4	bc	50	97	7	-	Ca	7	-	-	-	-
Calshot (Hants) ...	1007.0	+1	SW	5	oif	55	92	6	2000	St	10	-	-	-	1009.9	+3	WSW	3	o	53	85	8	2000	St	10	-	-	-	-
Lymington (Folkestone)	1006.3	-3	SW	8	oif	55	97	2	2500	Nb	10	-	-	-	1010.2	+3	SW	5	bc	50	92	8	4200	St	4	-	-	-	-
Aberdeen ...	974.5	-1	SW	8	bif	47	55	7	-	-	-	-	-	-	977.9	+4	SW	6	b	45	55	8	-	-	-	-	-	-	-
Howden ...	995.6	+2	WSW	5	oq	51	85	7	2000	Nb	5	ASr	5	-	998.7	+3	WSW	7	bq	47	75	7	4200	St	2	-	-	-	-
Cranwell (Lincoln)	999.4	0	WSW	6	bcq	54	75	7	4200	St	3	ASr	3	-	1003.0	+5	WSW	5	oq	49	75	6	3000	Nb	10	-	-	-	-
Felixstowe ...	1004.2	0	WSW	6	oq	56	97	6	750	Nb	10	-	-	-	1007.6	+5	WSW	4	b	52	95	7	4200	St	3	-	-	-	-
Shoeburyness ...	1004.0	-2	SW	6	oq	56	85	5	1250	St	10	-	-	-	1007.5	+4	SW	5	bc	53	75	6	3000	St	4	-	-	-	-
Benson ...	1003.3	0	WSW	4	o	54	95	9	-	Nb	10	-	-	-	1006.5	+2	WSW	4	o	52	75	8	-	St	10	-	-	-	-
S. Farnborough ...	1005.5	+1	WSW	4	o	55	92	7	2000	Nb	4	ASr	6	-	1008.3	+3	SW	5	o	52	75	8	2000	St	10	-	-	-	-
London (Kew Obs.)	1004.0	0	SW	5	od	55	85	6	1250	Nb	1	ASr	6	-	1007.7	+4	SW	4	o	53	75	6	5700	St	9	-	-	-	-
Croydon ...	1006.0	-1	SW	7	cq	54	92	8	750	Nb	2	ASr	6	-	1008.7	+2	SW	5	o	53	75	9	2000	St	5	ASr	5	-	-
1H. G.M.T. OF 16 th															7H. G.M.T. OF 16 th														
Renfrew ...	996.5	+8	SW	5	c	44	75	7	-	St	8	-	-	-	999.4	+5	SW	5	oif	42	85	6	2000	Ca	5	ASr	4	-	-
Eskdalemuir ...	1007.3	+2	SW	8	bcq	47	85	7	-	St	8	-	-	-	1000.4	+2	SW	4	oif	39	85	5	-	Nb	9	ASr	1	-	-
Valencia (Cahire'n)	1007.3	+2	SW	8	bcq	47	85	7	-	St	8	-	-	-	1011.7	+3	W	6	bcq	47	65	8	3000	Ca	4	-	-	-	-
Baldonnel ...	1005.0	+4	SW	8	bcq	41	85	4	-	St	-	ASr	1	-	1007.1	+3	WSW	5	cq	41	85	6	3000	Nb	8	-	-	-	-
Manchester (Alex. PK)	1007.2	+4	SW	8	bcq	41	85	4	-	St	-	ASr	1	-	1007.2	+4	W	4	b	43	75	8	2000	St	1	-	-	-	-
Ross on Wye ...	1011.7	+3	W	5	bcq	47	65	8	-	St	8	-	-	-	1011.7	+3	W	5	bcq	47	65	8	2000	Nb	6	-	-	-	-
Falmouth ...	1013.9	+3	WSW	4	b	47	85	7	-	St	3	-	-	-	1013.8	+2	W	3	b	44	85	8	-	Nb	2	-	-	-	-
Calshot (Hants) ...	1012.1	+2	W	3	b	50	85	7	2000	St	3	-	-	-	1014.9	+4	W	3	b	46	85	8	2000	St	1	-	-	-	-
Lymington (Folkestone)	1011.2	+1	SW	3	oif	48	97	7	1250	St	10	-	-	-	1014.4	+4	SW	3	bcq	42	85	7	2000	St	2	-	-	-	-
Aberdeen ...	1002.3	+2	WSW	6	bcq	40	85	7	-	-	-	-	-	-	994.1	+6	SW	3	bc	42	65	8	4200	St	6	-	-	-	-
Howden ...	1006.0	+1	WSW	5	bcq	40	85	5	-	-	-	-	-	-	1005.7	+2	WSW	5	bcq	42	85	8	-	-	-	-	-	-	-
Cranwell (Lincoln)	1010.1	+3	SW	4	b	50	92	7	4200	St	2	-	-	-	1013.0	+3	SW	4	b	41	85	6	3000	St	1	-	-	-	-
Felixstowe ...	1013.0	+3	SW	4	b	50	92	7	4200	St	2	-	-	-	1013.0	+3	SW	4	b	41	85	6	-	-	-	-	-	-	-
Shoeburyness ...	1012.1	+2	SW	3	b	40	92	8	-	St	1	-	-	-	1012.1	+2	SW	3	b	40	92	8	-	St	1	-	-	-	-
Benson ...	1013.2	+2	SW	3	b	39	97	6	-	-	-	-	-	-	1013.2	+2	SW	3	b	39	97	6	-	-	-	-	-	-	-
S. Farnborough ...	1013.2	+2	SW	3	b	39	97	6	-	-	-	-	-	-	1013.2	+2	SW	3	b	39	97	6	-	-	-	-	-	-	-
London (Kew Obs.)	1014.2	+3	WSW	4	bif	46	75	7	-	-	-	-	-	-	1014.2	+3	WSW	4	bif	46	75	7	-	-	-	-	-	-	-
Croydon ...	1014.2	+3	WSW	4	bif	46	75	7	-	-	-	-	-	-	1014.2	+3	WSW	4	bif	46	75	7	-	-	-	-	-	-	-
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																													
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dir.	Force 0-12.	Weather.	Sea.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.							
			at M.S.L. mb.	Change in 3 hours.		Temp.	Change in 24 hours.	Dir.	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	
Lerwick ...	957.0	43	SW	5	bc	984.8	+10	44	+2	W	4	-	c	2	20	48	40	omot	omtq	omq. of	0.0								
Stornoway ...	972.0	47	WNW	7	optier	991.5	+5	41	?	WNW	3	-	c	3	35	47	39	orq	oroptier	optier	0.0								
Castlebay (Barrata)	980.9	47	W	6	op	994.8	+4	40	0	WNW	5	-	o	5	4	45	41	prqpm	opqpm	opbc	0.0								
Malin Head ...	983.9	45	WSW	7	cq	998.0	+3	43	-4	WSW	4	W	cq	6	8	50	40	cq	cq. pr	cq. pr	0.9								
Blackod Point ...	993.4	47	W	8	cp	1001.3	+4	47	-2	W	5	-	cp	6	1	50	40	bcph	bc	cp. bc	0.0								
Roche's Point ...	1005.7	49	W	4	b	1012.2	+4	43	-8	WSW	3	-	o	3	0.3	58	45	ob	bcb	cp. bc	0.0								
Birr Castle ...	1000.4	43	SW	5	c	1007.0	?	42	-7	W	1	-	c	5	49	40	cpq	cpq	cp. bc	2.6									
Donaghadee ...	993.3	44	WSW	5	bq	1001.9	+2	41	-9	WSW	5	-	bcq	4	1	51	41	bq	bcq	bcq	0.0								
Liverpool (Biddison)	999.2	49	WSW	6	o	1006.3	+3	46	-7	SW	5	-	o	5	68	46	bca	co	bc. b	4.0									
Holyhead ...	999.6	50	W	7	bcq	1006.7	+1	46	-8	WSW	6	-	bcq	5	1	53	44	cb	cq	bc	1.4								
Pembroke (St. Mary's)	1005.5	54	WSW	8	oq	1011.6	+1	50	-4	W	5	-	cq	6	2	55	47	oqm	oqm	oqp	0.3								
Scilly (St. Mary's)	1009.9	53	SW	4	o	1013.3	+3	49	-8	WNW	5	WNW	o	6	4	57	48	omr	o	oqp. bcp	0.0								
Jersey (St. Aubin)	1012.7	57	WSW	4	o	1017.4	+1	52	-6	W	4	W	bc	3	2	60	51	o	oro	o. b	0.0								
Portland Bill ...	1009.2	56	WSW	6	oq	1013.1	+3	53	-3	W	6	W	bc	6	2	63	53	oqr	oq	o. bc	0.0								
Dunageess ...	1009.0	54	WSW	5	bc	1013.1	+3	49	-7	WSW	4	SW	bc	4	2	58	48	cq	cq. bc	bc. bc	0.0								
Wick ...	968.3	43	WSW	9	omqr	989.2	+9	40	-5	W	4	-	oq	6	20	46	38	omqr	omqr	omr. c	0.0								
Nairn ...	974.7	45	WSW																										

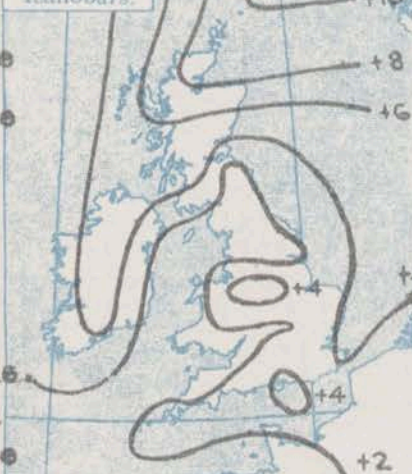
SUMMARY OF CONDITIONS AT 7 h. G.M.T. 16.11.20.

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	Fine.	Fair.	Moderate	10	15th	0545	50	49
2. E. England	Fair or fine.	"	Slight	5	15th	0809	54	50
3. E. Midlands	Fine, mist in North.	Good	-	3	15th	1025	55	52
4. W. Midlands	Fair or fine, slight rain (in South)	V. Good	-	6	15th	1509	57	58
5. S.W. England	Fine to cloudy	"	Rough	4A	16th	0400	50	48
6. South Wales	Cloudy, squally.	"	"					
7. North Wales	Fine, squally.	"	R. rough					
8. N.W. England	Fine to cloudy	Good	"					
9. N. Midlands	Fine	"	-					
10. N.E. England	Fair or fine, showery, (squally)	Fair	Moderate					
11. E. Scotland	Fair or cloudy	Good	Smooth					
12. S.W. Scotland	Dull, slight local rain	Fair	Moderate					
13. Isle of Man	Fair or fine, some showers	"	R. rough					
14. N. & N.W. Scotland	Cloudy or dull	Good	Slight					
15. Hebrides	Cloudy	"	"					
16. Orkneys and Shetlands	"	"	Smooth					
17. N.W. Ireland	Cloudy, squally.	Fair	Rough.					
18. N.E. Ireland	Fair, showery, squally.	"	Moderate.					
19. S.E. Ireland	Cloudy, local rain.	"	R. rough					
20. S.W. Ireland	Fair or fine, showery	Good	Moderate					

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 arrow. Force, on the map, is indicated by the number of feathers. Mean velocity is shown in small circles per hour by figures in small circles.

TEMPERATURE.—Mean temperature is shown in small circles.

WEATHER SYMBOLS.—

- clear sky.
- sky & cloud.
- overcast sky.
- snow.
- fog.
- thunder.
- sea disturbance.
- rough.
- high.
- low.
- rain falling.
- hail.
- thunderstorm.

GENERAL INFERENCE from observations received up to 9h.

The deep depression of yesterday has travelled away North-North-Eastward and an interval of generally fair weather is probable, with winds from the Westward and a moderate temperature. It is not expected that the fair weather will continue for more than 24 hours.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Tuesday, 16th November 1920.
1. S.E. England	Wind W or SW, light or moderate, mainly fair, but cloudy at times, local showers; good visibility, moderate temperature during day, local frost at night.
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 W & SW light or moderate, fresh locally, variable sky, some showers in places; good visibility, moderate temperature during day, local frost at night.
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	

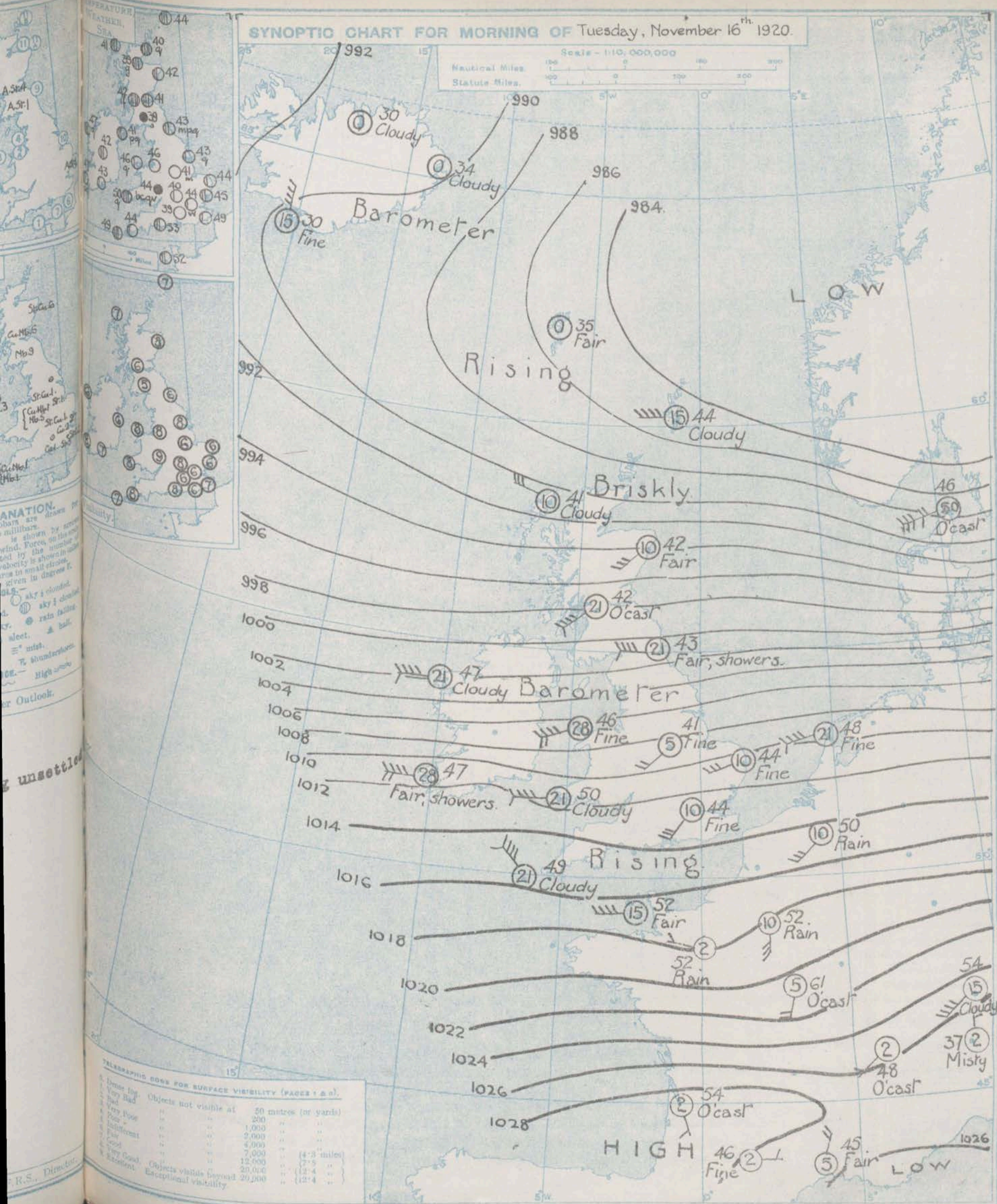
Further Outlook.

Becoming unsettled again.

SYNOPTIC CHART FOR MORNING OF Tuesday, November 16th 1920.

Scale = 1:10,000,000

Nautical Miles
Statute Miles.



TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).	
Very Poor	Objects not visible at 50 metres (or yards)
Poor	200 "
Very Poor	1,000 "
Poor	2,000 "
Indifferent	4,000 "
Good	7,000 "
Very Good	12,000 " 14-15 miles
Excellent	20,000 " 17-18 "
	20,000 " 12-14 "
	Exceptional visibility

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 321

Tuesday
16th NovemberWEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 15th

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-14h.	Day. 14h-18h.	Sunrise to Sunset. 14h.			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-14h.	Day. 14h-18h.	Sunrise to Sunset. 14h.
Scotland.	Oban	roc	pc	55	42	10	1	0.8	England, N.W.	Douglas (I.O.M.)							2.1
	Banff	bbc	cbcb	50	39	9	-	2.8		Blackpool	-	-	55	47	11	0.2	2.6
	Montrose									Southport	oqc bc	bc pcqbc	53	46	6	1	
	St. Andrews	-	-	48	41	13	2	1.5		Morecambe							
England, N.E.	Harrogate	bbeqp	bbeqp	52	43	7	0.3	2.0	Midlands.	Buxton			53	51	5	2	0.0
	Scarborough	bc	bc	61	48	2	-	2.5		Leamington Spa... ..	cb	cb	54	50	5	1	0.2
	Skegness	goc	co bcb	55	49	4	0.4	0.8		Malvern	oc	bcb	54	50	5	1	0.0
	Lowestoft									Bath	ro	ocbc	55	52	6		1.1
England, E.	Felixstowe	owcp	bc	58	52	5	1	0.0	Wales.	Rhyl	q	q	59	44	3	1	0.0
	Southend-on-Sea... ..	org	oc	59	48	3	1	0.1		Colwyn Bay	-	-	52	49	7	2	0.7
										Llandudno	-	-	60	49	7	3	0.0
										Aberystwyth	roc	co o	54	49	5	-	
England, S.E.	Tunbridge Wells	or	oroc	57	50	7	1	0.0	England, S.W.	Tenby							
	Margate	od	or	59	52	2	0.3	0.0		Swansea							
	Ramsgate	-	-	57	51	3	1	0.0		Weymouth	org	o	58	52	5	1	
	Folkestone	ord	po	55	45.2	4	2	0.0		Teignmouth							
	Hastings	od	od	57	52	10	2	0.0		Torquay	or	ocr	58	50	8	1	0.7
	Eastbourne	r	roc bc	58	53	4	3	0.0		Paignton	odq	op bcp	56	50	6	0.3	0.1
	Brighton	or	or	57	53	10	1	0.0		Penzance	or	op bc	55	50	3	0.3	0.0
	Worthing	or	rocr	57	53	10	2	0.0		Newquay	op	copo	54	51	3	1	0.0
	Littlehampton	od	oc	57	52	9	2	0.0		Bude	r	rooc	59	52	9	-	0.0
	Portsmouth (S. base)	-	-	58	53	11	1	0.0		Ilfracombe	org	og	55	54	6	0.3	0.0
	Bournemouth	-	-	57	53	11	1	0.0		Weston-s-Mare	oc	oc	55	50	7	-	
	Ventnor (I. of W.)	-	-	57	50	9	2	0.0									

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sun.	
	7h-12h.	12h-18h.	Max. Temp. F.	Min. Temp. F.	Day. 7h-12h.	Night. 12h-18h.	Hours.	Hours.
Renfrew ...	pcoprh	bocprh	48	41	38	2	0.5	0.5
Eskdalemuir ...	b.o	q. m. co	47	37	35	0.2	1	1.7
Valencia (Cabrera) ...	coprh	bocprh	53	45	41	1	1	1.6
Baldonnel ...	coq	q. m.	50	39	36	2	1	1.3
Manchester (Alex. Park) ...	q. p. co	q. p. bc	55	48	34	0.4	-	-
Ross on Wye ...	oqcop	oqcop	58	41	34	1	0.1	0.5
Falmouth ...	q. o	o. p. bc	57	43	39	3	2	0.2
Calshot (Hants) ...	q. o	o. p. bc	58	46	41	1	1	0.0
Lymington (Folkestone) ...	q. o	o. p. bc	55	42	39	5	0.2	0.0
Aberdeen ...	q. o	q. o	49	42	37	-	-	1.7
Howden ...	q. o	q. o	59	42	38	1	-	1.7
Cranwell (Lincs) ...	q. o	q. o	59	39	36	3	1	1.7
Felixstowe ...	q. o	q. o	58	44	38	1	-	0.0
Shoeburyness ...	q. o	q. o	60	44	39	1	-	0.0
Benson ...	q. o	q. o	59	40	34	1	0.1	0.0
S. Farnborough ...	q. o	q. o	57	39	32	2	-	0.0
London (Kew Obs.) ...	q. o	q. o	58	44	37	4	1	0.0
Croydon ...	q. o	q. o	59	45	38	2	1	0.0

BEAUFORT NOTATION.

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

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

THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

No.	Limits of Velocity at about 33 feet above ground.	Metres per second.
0	Less than 1	Less than 0.8
1	1-3	0.8-1.5
2	4-7	1.5-2.4
3	8-12	2.4-3.4
4	13-18	3.4-5.0
5	19-24	5.0-7.1
6	25-31	7.1-9.7
7	32-38	9.7-12.4
8	39-46	12.4-15.4
9	47-54	15.4-18.4
10	55-63	18.4-21.4
11	64-75	21.4-25.4
12	Above 75	25.4 or above

SYMBOLS—

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

LONDON OBSERVATIONS.

	WEATHER.		TEMPERATURE.		Rainfall.		Sunshine to Sunset.		Humidity %	
	Morning.	Afternoon.	Max. F.	Min. F.	Day. mm.	Night. mm.	Hours.	Hours.	10 h. G.M.T.	9 h. G.M.T.
24 HOURS ENDED 9H G.M.T. 16 th										
Greenwich (Royal Observatory)	o	o. b. o	59	44	37	1	0.0	67	74	
City (Bunhill Row)							0.0			
Westminster (St. James's Park)			60	45	38	3	0.0	68	72	
Regents Park (Botanical Gardens)							0.0			
Camden Sq. (British Rainfall)	o. r	o	59	45	37	4		79	78	
Kensington Palace	o. r	o. r. o. c	59	42	37	4		79	78	
Hampstead Observatory			56	41	36	3	0.0		79	

SOUTH KENSINGTON (Meteorological Office).

	WEATHER.		TEMPERATURE.		Rainfall.		Sunshine to Sunset.		Humidity %	
	Morning.	Afternoon.	Max. F.	Min. F.	Day. mm.	Night. mm.	Hours.	Hours.	10 h. G.M.T.	9 h. G.M.T.
24 HOURS ENDED 9H G.M.T. 16 th										
Vertical Component of Solar Radiation per Square Centimetre during yesterday.										
Total	10.8									
Average Rate	3.4									
Maximum Rate	16									

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

Stations.	16 th November 1920.		17 th November 1920.	
	Sunrise.	Noon.	Sunrise.	Noon.
Yarmouth...	7.17	11.38	7.19	11.38
Greenwich	7.21	11.45	7.23	11.45
Wick	8.5	11.57	8.7	11.57
Valencia ...	8.4	12.26	8.6	12.26

Photographic Record of

Pole Star (Polaris) and of 3 Ursae

Minors at Greenwich Observatory.

Exposure from 1/30 to 1/15 sec.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	1/30	1/15	10
3 Ursae	1/30	1/15	10
Minors	1/30	1/15	10

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to 63° at Portland Bill, 62° at Leamington, and to about 60° in many other parts of England. Rain fell very generally, the quantity being large at various places; 33 mm. at Stornaway and 20 mm. at Wick and Lerwick, 11 mm. at Leith, and 12 mm. at Calshot. Little or no bright sunshine was recorded except 2 to 3 hours at some North-Eastern stations and in central Ireland, 4 hrs. at Liverpool, and 4.7 hrs. at Aberdeen.

* Information for these columns not usually received.

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B2545 WEDNESDAY, 17th NOVEMBER, 1920.

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

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 19H.																													
STATIONS.	BAROM.	Change in 3 hours.	WIND.		WEATHER.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.	BAROM.	Change in 3 hours.	WIND.		WEATHER.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.	
	at M.S.L.		Dir.	Force 0-12.		°F.				Form.	Amt. 0-10.	Form.	Amt. 0-10.		at M.S.L.		Dir.	Force 0-12.		°F.				Form.	Amt. 0-10.	Form.	Amt. 0-10.		
13H. G.M.T. OF 16 TH																													
Rentfrew ...	1003.5	+6	WSW	5	OR	44	85	7	1250	CuN	9	-	-	-	1008.7	+5	WSW	4	OR	41	92	5	-	Nb	10	-	-	-	-
Eskdalemuir ...	1004.8	+4	SW	5	O	42	86	7	-	ScCu	10	-	-	-	1009.4	+6	WSW	4	b	39	85	8	-	CuN	3	-	-	-	-
Valencia (Cahire's)	1015.3	+2	WSW	5	C	50	65	8	1250	ScCu	5	ACu	4	5	1019.2	+6	WSW	5	b	47	75	8	3000	ScCu	2	-	-	-	5
Baldonnell	1011.5	+4	WSW	4	Og	46	75	7	2000	ScCu	9	-	-	-	1013.1	+5	SW	5	bq	41	92	7	2000	ScCu	3	-	-	-	-
18H. G.M.T. OF 16 TH																													
MANCHESTER (ALEX. PARK)	1010.3	+3	W	6	cif	49	55	7	3000	Cu	8	-	-	-	1014.1	+5	W	5	bcif	45	75	6	3000	ScCu	5	-	-	-	-
Ross on Wye	1014.1	+2	WNW	6	bcqv	51	55	9	3000	CuN	3	Ci	1	-	1017.8	+5	WSW	3	bv	42	75	9	3000	ScCu	1	Ci	1	-	-
Falmouth	1010.3	+3	W	5	bq	53	65	9	-	Cu	2	-	-	-	1024.1	+3	WSW	5	orq	47	85	5	-	Nb	9	-	-	-	-
Calshot (Hants)	1017.3	+3	WSW	5	bcv	54	65	9	4200	Cu	6	-	-	3	1021.0	+5	W	3	b	40	85	8	3000	Cu	1	-	-	-	2
Lymington (Falkstone)	1016.3	+1	SW	5	bcq	51	65	8	2000	Cu	4	ACu	1	-	1020.7	+5	WSW	4	b	41	85	8	-	-	-	-	-	-	-
Aberdeen	998.9	+3	SW	2	oif	45	65	6	4200	ScCu	9	-	-	2	1003.7	+6	WSW	3	b	41	75	8	-	-	-	-	-	-	2
Howden	1009.5	+2	W	6	c	49	75	7	2000	CuN	7	-	-	-	1012.5	+6	W	5	orq	42	97	6	2000	Nb	10	-	-	-	-
Cranwell (Lincoln)	1011.1	+1	WSW	5	b	49	75	6	3000	Cu	2	ASc	1	-	1015.2	+6	W	3	b	43	85	7	-	-	-	-	-	-	-
Felixstowe	1014.8	+1	SW	4	b	52	75	6	4200	ScCu	2	ACu	1	-	1018.3	+5	SW	3	b	46	92	7	-	-	-	-	-	-	4
Shoeburyness	1015.4	+1	SW	4	bcz	52	65	5	3000	Cu	5	-	-	-	1018.5	+5	SW	2	b	46	75	6	-	-	-	-	-	-	-
Benson	1014.7	+2	WSW	4	b	50	65	8	-	Cu	2	-	-	-	1018.3	+2	SW	3	b	43	85	9	-	-	-	-	-	-	-
S. Farnborough	1016.9	+2	WNW	4	bc	49	65	8	3000	ScCu	4	ACu	2	-	1020.0	+4	W	2	b	41	85	7	-	-	-	ACu	2	-	-
London (Kew Obs.)	1015.8	+2	W	4	bcz	50	65	5	4200	Cu	3	ACu	1	-	1019.5	+6	WSW	3	bif	46	75	5	-	-	-	ACu	1	-	-
Croydon	1016.5	+2	W	4	bcif	51	65	7	3000	ScCu	5	ASc	1	-	1019.8	+4	WSW	3	bif	45	75	7	3000	Cu	1	-	-	-	-
1H. G.M.T. OF 17 TH																													
Rentfrew	1015.0	+4	SW	2	oif	37	97	6	-	Sc	10	-	-	-	1019.4	+5	W	3	bc	40	85	7	2,000	CuN	5	-	-	-	-
Eskdalemuir	1022.5	0	WSW	4	bc	44	85	8	-	-	-	-	-	-	1021.0	+6	SW	4	OR	47	92	5	-	Nb	10	-	-	-	-
Valencia (Cahire's)	1020.1	+4	WSW	4	b	39	85	5	-	-	-	-	-	-	1024.0	+1	ESE	2	bcv	42	92	8	2,000	CuN	6	-	-	-	2
Baldonnell	1020.1	+4	WSW	4	b	39	85	5	-	-	-	-	-	-	1024.3	+4	SSW	4	bif	39	85	6	3,000	Sc	1	ASc	2	-	-
7H. G.M.T. OF 17 TH																													
MANCHESTER (ALEX. PARK)	1020.1	+4	WSW	4	b	39	85	5	-	-	-	-	-	-	1024.1	+6	SW	2	c	38	85	8	3,000	Cu	8	-	-	-	-
Ross on Wye	1020.1	+4	WSW	4	b	39	85	5	-	-	-	-	-	-	1026.7	+7	SW	2	bx	38	85	8	-	-	-	-	-	-	-
Falmouth	1020.1	+4	WSW	4	b	39	85	5	-	-	-	-	-	-	1027.9	+4	HW	2	bcv	40	92	9	-	CuN	2	ACu	2	-	-
Calshot (Hants)	1020.1	+4	WSW	4	b	39	85	5	-	-	-	-	-	-	1028.2	+5	WNW	2	b	38	92	8	3,000	ScCu	1	-	-	-	1
Lymington (Falkstone)	1020.1	+4	WSW	4	b	39	85	5	-	-	-	-	-	-	1027.6	+3	W	1	bm	36	92	6	2,000	ScCu	1	-	-	-	-
Aberdeen	1008.1	+3	S	1	b	37	92	7	3,000	Sc	1	-	-	-	1016.4	+6	SW	2	cif	39	85	6	4,200	ScCu	7	-	-	-	2
Howden	1008.1	+3	S	1	b	37	92	7	3,000	Sc	1	-	-	-	1022.6	+4	SW	2	b	36	97	6	1,250	Sc	1	-	-	-	-
Cranwell (Lincoln)	1019.8	+4	WSW	4	b	40	85	6	1,250	Sc	1	-	-	-	1024.5	+5	W	4	b	37	97	5	4,200	Sc	1	-	-	-	-
Felixstowe	1022.1	+3	SW	3	b	42	97	7	3,000	Sc	2	-	-	3	1026.3	+4	WSW	3	b	38	97	6	-	-	-	-	-	-	3
Shoeburyness	1022.1	+3	SW	3	b	42	97	7	3,000	Sc	2	-	-	-	1027.1	+5	W	1	bcv	38	85	5	-	-	-	-	-	-	-
Benson	1022.1	+3	SW	3	b	42	97	7	3,000	Sc	2	-	-	-	1026.3	+5	SW	1	b	32	97	8	-	-	-	-	-	-	-
S. Farnborough	1023.1	+3	W	3	b	42	85	7	-	-	-	-	-	-	1028.5	+6	W	1	b	36	97	6	-	-	-	-	-	-	-
London (Kew Obs.)	1023.1	+3	W	3	b	42	85	7	-	-	-	-	-	-	1027.9	+6	WSW	2	bm	36	97	4	-	-	-	ASc	1	-	-
Croydon	1023.5	+2	W	3	b	42	85	7	-	-	-	-	-	-	1027.6	+5	W	4	bcif	39	92	6	-	-	-	ASc	5	-	-
STATIONS CONTRIBUTING REPORTS AT 7H. AND 19H.																													
STATIONS.	BAROM.	TEMP.	WIND.		WEATHER.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	WEATHER.	Sea.	Rainfall.	TEMP.			WEATHER.			Sunshine.							
	at M.S.L.		Dir.	Force 0-12.		at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	Hours.								
19H. G.M.T. OF 16 TH																													
Lerwick	995.9	40	-	0	bc	1008.2	+6	41	-3	WSW	4	-	bcv	2	4	44	40	omp	bcv	bcv	bcv	bcv	bcv	bcv	bcv	bcv	bcv	bcv	
Stornoway	1002.4	40	WNW	3	eph	1015.2	+7	40	-1	W	2	-	op	1	6	43	38	cph	eph	op	op	op	op	op	op	op	op	op	
Castlebay (Barrats)	1005.7	47	WNW	4	O	1014.1	+4	40	0	WNW	4	-	bc	4	2	47	42	opco	opco	opco	opco	opco	opco	opco	opco	opco	opco	opco	
7H. G.M.T. OF 17 TH																													
Main Head	1007.4	44	SW	3	OR	1019.1	+2	46	-1	SW	3	-	bc	3	4	50	45	cq	cph	bcv	bcv	bcv	bcv	bcv	bcv	bcv	bcv	bcv	
Blackod Point	1014.3	45	W	5	eph	1025.5	+2	37	-6	-	0	-	b	2	0.4	50	35	bcv	bcv	bcv	bcv	bcv	bcv	bcv	bcv	bcv	bcv	bcv	
Ro																													

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 17.11.1920.

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

Temperature reported from Coastal and Cross Channel Steamers.

Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
12	16 th	0530	51	46
5	16 th	0827	53	45
3	16 th	1025	54	49
1	16 th	1240	56	51
7	17 th	0255	56	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.
 WIND.—Direction is shown by arrow pointing with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in small circles per hour by figures in small circles.
 TEMPERATURE.—Temperature is given in degrees F.
 WEATHER SYMBOLS.—
 ☉ clear sky. ☁ sky & clouded. ☂ sky & rain falling.
 ☄ overcast sky. ☂ rain falling.
 * snow. * sleet. * hail.
 ☁ fog. ☁ mist.
 T thunder. T thunderstorm.
 SEA DISTURBANCE.—High rough. High very rough.

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

The barometer is still rising over the British Isles and their vicinity, but a fall, accompanied by an Easterly wind, has set in over the West of Ireland. Another depression is therefore likely to affect the weather in this country within the ensuing 24 hours.

Districts. Forecasts for the 24 hours commencing 15 h. G.M.T. Wednesday, 17th Nov: 1920.

1. S.E. England	Wind between W and SW, light, then freshening somewhat; fair today, becoming unsettled again tomorrow; visibility fair or good; moderate temperature during daytime, frost tonight.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	Wind mainly Southwesterly, light or moderate, fresh or strong later; variable sky, some local showers today, showery or rainy tomorrow; visibility fair; rather cold, then milder.
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	

Becoming less fair, with wind from Southwest.

SYNOPTIC CHART FOR MORNING OF Wednesday, November 17th 1920

Scale - 1:10,000,000
Nautical Miles
Statute Miles.

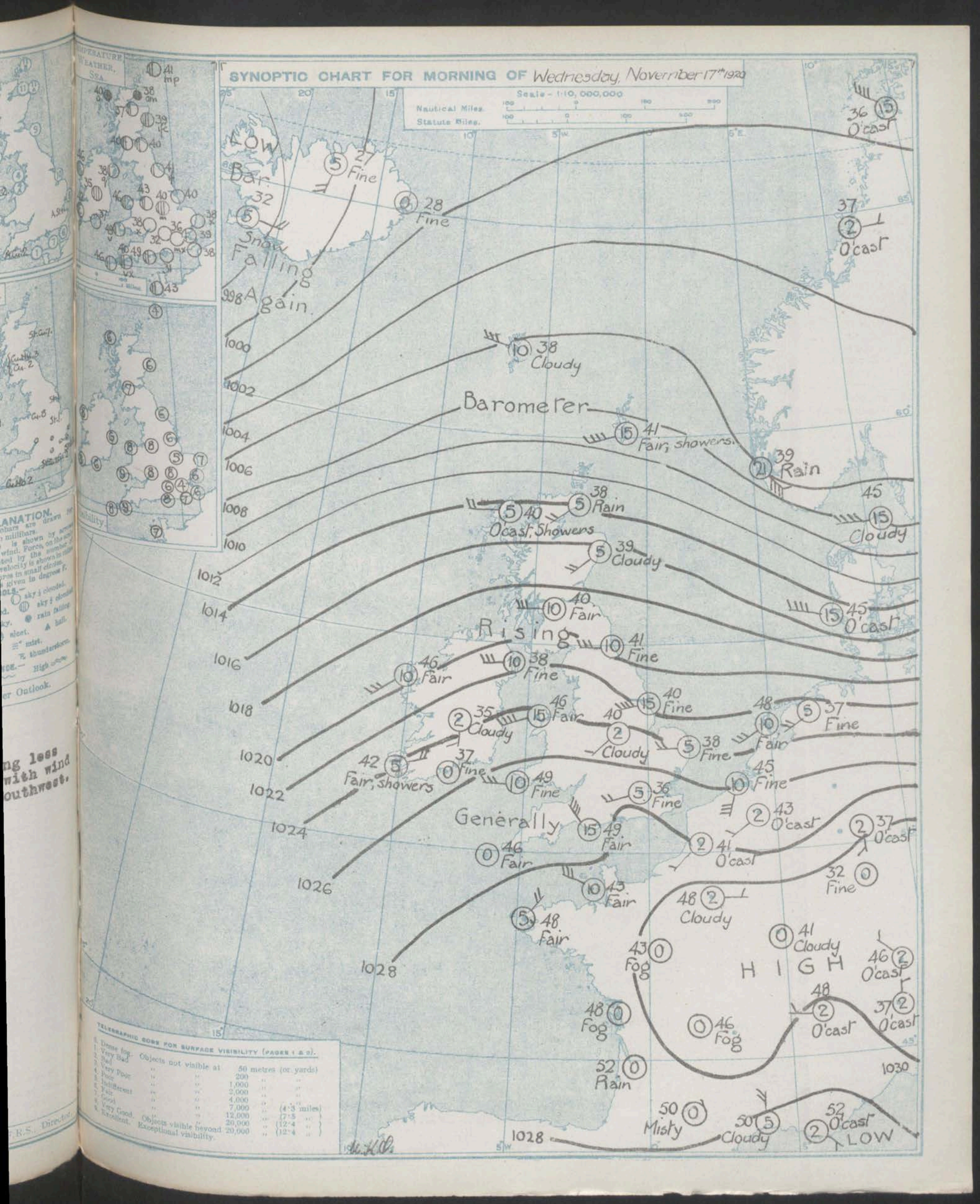
ANATION.
Charts are drawn to
millibars.
is shown by arrow
wind. Force, on the
ted by the number
velocity is shown in
res in small circles
given in degrees F.
015 -
sky & clouded.
sky & clouded.
rain falling
mist.
thunderstorm.
High
er Outlook.

g less
with wind
outhwest.

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

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

R.S. Director



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 322.

WEDNESDAY
17th Nov. 1920

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. 12h-9h.	Day. 9h-12h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-9h.	Day. 9h-12h.	Sunrise to Sunset.
Scotland.								England, N.W.							
Oban	bc	co	48	42	7	-	1.3	Douglas (I.O.M.)							2.7
Banff	bc	bcb	44	40	5	-	1.3	Blackpool	cpq	cpq	50	39	0.1	1	4.6
Montrose								Southport	bcbbc	copqc	50	46	0.2		
St. Andrews								MORCAMBE							
England, N.E.								Midlands.							
Harrogate	bopgt	o.b.pg	45	39	4	8	1.2	Buxton							5.7
Scarborough	b	b	50	41	-	-	4.9	Leamington Spa...	bc	bahbc	51	39	-	3	5.7
Skegness	b	b	54	39	-	-	6.0	Malvern	bba	bcb	50	41	1	1	4.6
England, E.								Bath	bcbp	prhcb	54	42	2	2	4.3
Lowestoft								Rhyl	bc	cpbc	50	43	-	1	5.4
Felixstowe	b	b	52	45	-	-	7.4	Colwyn Bay	-	-	49	42	-	2	3.4
Southend-on-Sea...	b	b	54	42	-	-	7.1	Llandudno			50	44	-	2	3.0
England, S.E.								Wales.							
Tunbridge Wells	b	b, bc, b	54	43	-	-	6.4	Aberystwyth	rcb	cco	51	48	1	-	
Margate	b	b	59	44	-	-	6.4	Tenby							
Ramsgate			53	41	0.2	-	7.4	Swansea							6.7
Folkestone	oc bc	bcb	57	45	-	-	5.6	England, S.W.							
Hastings	or, abc	b	54	44	1	-	6.9	Weymouth	bc	bc	54	49	0.2	-	7.1
Eastbourne...	bc	bc	54	47	1	-	6.3	Teignmouth							6.1
Brighton	b	b	54	48	1	-	7.7	Torquay	b	bc	55	45	0.2	-	5.7
Worthing	b	b	54	41	0.3	-	7.6	Paignton	bcb	bcbp	54	39	1	1	6.0
Littlehampton	bc	bc	52	45	-	-	7.8	Penzance	bcb	bcbp	56	46	3	1	6.0
Portsmouth (S. base)	*	*	54	47	-	-	7.9	Newquay	b	bopo	53	47	5	0.2	3.6
Bournemouth	*	*	53	44	-	-	7.5	Bude	pbc	b	58	48	3	1	5.0
Ventnor (I. of W.)	*	*	57	47	0.3	-	7.1	Ilfracombe	ocpq	cphlo	53	49	3	0.1	
								Weston-s-Mare	bcbp	bcb, r	53	46	3	3	

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMP.		RAINFALL.		SUN.	
	7h-12h.	12h-18h.	Max. F.	Min. F.	Day. 7h-12h.	Night. 12h-7h.	Hours.	Shade.
Renfrew ...	ocpq	oprh, rrr	45	38	4.5	3.1	0.3	
Eskdalemuir ...	co	co, prhbc	43	33	4.3	2.9	2.5	
Valencia (Cahice)	bcbp, rrr	bcbp, rrr	51	38	3.5	1	3.7	
Baldonnel ...	prh, rrr	bcb	46	37	3.4	0.1	1.3	
Didsbury ...	bcb	oprh, rrr	51	37	3.0	trace	1	
Ross on Wye ...	bcbp, rrr	bcbp, rrr	53	37	2.9	0.2	0.4	
Falmouth ...	bcb	bcb	53	39	3.2	1	6	
Caishot (Hants) ...	bcb	bcb	54	37	2.7	-	7.4	
Lympne (Folkestone)	bcb	bcb	51	35	2.7	-	7.5	
Aberdeen ...	zf, oif	oif, bcb	45	36	2.6	-	0.1	
Howden ...	bcb	coq	50	35	2.7	-	4.4	
Cranwell (Lines) ...	bcb	bcb	51	37	3.3	-	6.6	
Felixstowe ...	zf, bcb	oif, bcb	53	38	2	-	7.4	
Shoeburyness ...	bcb	bcb	52	38	3.2	-	7.1	
Benson ...	b	b	51	30	2.2	0.3	-	
S. Farnborough ...	b, co	bcb	52	30	2.3	-	3.3	
London (Kew Obs.)	w, bcb	oif	51	35	2.5	-	6.1	
Croydon ...	bcb	bcb	51	38	2	0.2	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, a gloom.
h hail, lightning.
m mist, o overcast sky.
p passing showers.
q squalls, r rain.
rs sleet, i.e., rain and snow together.
s snow, t thunder.
u ugly, threatening sky.
v unusual visibility.
w dew, x hoar frost.
y dry air, humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.
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.	Meters per second.
0	Less than 1	0.3-1.5
1	1-2	1.6-3.3
2	3-4	3.4-6.6
3	5-10	6.7-13.3
4	11-16	13.4-20.0
5	17-22	20.1-27.2
6	23-28	27.3-34.4
7	29-34	34.5-41.6
8	35-40	41.7-48.8
9	41-46	48.9-56.0
10	47-52	56.1-63.2
11	53-58	63.3-70.4
12	59-64	70.5-77.6
13	Above 75	77.7 or above

SYMBOLS.

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

LONDON OBSERVATIONS.	WEATHER.		TEMP.		RAINF.		SUN.		HUMIDITY %	
	Morning.	Afternoon.	Night.	Max. F.	Min. F.	Min. on Grass.	Sun. to Sunset.	Hours.	15 h. G.M.T.	24 h. G.M.T.
24 HOURS ENDED 9H G.M.T. 17th										
Greenwich (Royal Observatory)	b	b, bc	b, m	53	37	29	-	6.5	64	91
City (Banhill Row)	*	*	*	*	*	*	*	4.6	*	*
Westminster (St. James's Park)	b	b, m	m	54	35	29	-	5.3	63	96
Regents Park (Botanical Obs.)	*	*	*	*	*	*	*	5.9	*	*
Camden Sq. (British Rainfall)	b, bc	bc, cp, c	*	53	35	28	1	*	63	96
Kensington Palace	b	bc	*	53	34	26	-	7.4 (18h)	96	
Hampstead Observatory	*	*	*	51	35	29	-	6.4	*	94

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	HUMIDITY %	
	15 h. G.M.T.	24 h. G.M.T.
Total	29.4	96
Average Rate	9.3	
Maximum Rate	23	

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

Stations.	17th & 18th Nov. 1920.		
	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth...	7.19	11.39	3.47
Greenwich	7.20	11.40	3.48
Wick	7.21	11.41	3.49
Valencia	7.22	11.42	3.50

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

Exposure from 16.17 h. 15 m.
to 17.05 h. 15 m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	13.0	12.15	92
3 Ursae Minoris	13.0	11.15	87

NOTES ON THE WEATHER OF YESTERDAY.

Temperature remained below 45° in some parts of Scotland and below 50° in some Irish and English localities. Frost occurred locally at night over England; at Benson the thermometer in the grass fell to 22° and at S. Farnborough to 23°. Several hours of bright sunshine were recorded in most parts of the Kingdom, the highest value being 8.6 hours at Pembroke. Showers were experienced in various localities, of rain generally, but of hail at some Northern Stations.

* Information for these columns not usually received.

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



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21,546 Thursday, 18th November... 1920.

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

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 15H AND 18H.																																							
STATIONS	Barom. at M.S.L.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather.	Temp. °F.	Humidity %	Visibility 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.	Barom. at M.S.L.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather.	Temp. °F.	Humidity %	Visibility 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.											
	mb.														mb.																								
15H. G.M.T. 17 th															18H. G.M.T. OF 17 th																								
Renfrew ...	1023.5	+2	SW	2	C	45	85	7	3000	Sc	4	Ci	4	*	1024.7	+1	SSE	3	Oz	41	92	5	-	-	ASr	10	4	*											
Eskdalemuir ...	1024.9	+3	WSW	3	C	43	75	7	-	Cu	2	Ci	5	*	1027.1	+2	-	0	0	34	92	6	-	Sc	2	ASr	4	*											
Valencia (Cahire'n)	1021.3	-5	S	5	C	50	75	8	3000	Sc	5	ASr	2	4	1015.6	-6	SSE	6	0	51	75	8	2000	Sc	5	ASr	4	5											
Baldonnel ...	1025.7	+1	SSW	3	O	47	75	8	4200	Sc	4	ASr	6	*	1023.0	-3	S	3	0	45	75	8	2000	Sc	6	ASr	4	*											
Manchester (Alex. Pk.)	1027.3	+3	SW	4	bif	50	65	6	4200	Sc	2	Ci	1	*	1028.0	+1	SSE	3	b	41	85	4	-	-	ASr	3	*												
Ross on Wye ...	1025.0	0	W	2	bz	51	65	6	-	-	-	Ci	2	*	1028.8	0	SSE	1	cm	42	85	7	-	-	Ci	8	*												
Falmouth ...	1028.3	-1	SSE	3	bc	55	65	8	-	Cu	2	Ci	2	*	1027.1	-1	SSE	4	bc	49	75	8	-	Cu	4	-	-	*											
Calshot (Hants) ...	1030.4	+2	SSE	1	bif	52	75	7	3000	Cu	2	-	-	1	1030.5	0	ESE	3	bif	48	75	6	-	-	-	-	2	*											
Lymington (Folkestone)	1029.9	+2	NW	2	bif	48	65	7	-	-	-	-	-	*	1031.5	+2	S	1	bif	44	75	7	-	-	Ci	1	*												
Aberdeen ...	1022.0	+5	WSW	2	bif	46	55	7	-	-	-	-	-	2	1024.8	+4	WSW	2	bc	38	85	5	-	-	Ci	4	2	*											
Howden ...	1027.0	+2	WSW	1	bc	45	85	4	2000	Sc	2	Ci	2	*	1028.9	+2	-	0	C	37	92	4	3000	Sc	8	-	-	*											
Cranwell (Lines)	1027.9	+1	W	2	bc	47	75	5	-	-	-	ASr	6	4	1029.9	+2	SSW	3	b	36	97	5	-	-	Ci	1	4	*											
Felixstowe ...	1029.5	0	W	2	b	50	75	7	-	-	-	ASr	1	1	1031.7	+3	-	0	bif	42	97	5	-	-	ASr	1	-	*											
Shoeburyness ...	1029.2	+1	NW	1	b	49	65	7	-	-	-	-	-	*	1031.2	+3	-	0	bz	36	85	6	-	-	-	-	-	*											
Benson ...	1028.2	0	W	1	b	49	65	8	-	-	-	Ci	1	*	1030.5	+1	-	0	b	35	92	8	-	-	-	-	-	*											
S. Farnborough ...	1029.8	+1	W	2	b	51	55	8	-	-	-	Ci	1	*	1031.3	0	-	0	bm	34	92	4	-	-	-	-	-	*											
London (Rex Obs.)	1029.7	-1	WNW	2	bz	48	65	5	-	-	-	-	-	*	1031.2	+1	-	0	bm	40	85	2	-	-	-	-	-	*											
Croydon ...	1030.0	+1	WNW	3	bif	49	65	6	-	-	-	-	-	*	1031.4	+2	S	2	bz	38	85	4	-	-	-	-	-	*											
1H. G.M.T. OF 18 th															7H. G.M.T. OF 18 th																								
Renfrew ...	1025.7	-1	S	2	bc	36	92	6	-	Sc	6	-	-	*	1016.1	-4	SSE	6	0.5	47	85	6	2,000	Sc	10	ASr	2	*											
Eskdalemuir ...	997.1	-5	SSE	8	op	52	-	-	-	-	-	-	-	6	1022.8	-3	SSE	4	0	43	85	6	-	Sc	10	-	-	*											
Valencia (Cahire'n)	1007.5	-6	SE	6	op	49	75	7	2,000	Sc	10	-	-	*	1008.9	+1	S	7	0.6	56	92	5	1,250	Sc	10	-	-	*											
Baldonnel ...	1014.7	-2	SE	6	op	55	85	5	1,250	Sc	10	-	-	*	1014.7	-2	SE	6	op	55	85	5	1,250	Sc	10	-	-	*											
Manchester (Alex. Pk.)	1025.5	0	S	5	cm	45	85	6	3,000	Sc	2	Ci	5	*	1025.5	0	S	5	cm	45	85	6	3,000	Sc	2	Ci	5	*											
Ross on Wye ...	1026.5	-1	SE	4	0	46	75	8	-	-	-	-	-	*	1026.5	-1	SE	4	0	46	75	8	-	-	-	-	-	*											
Falmouth ...	1023.9	-1	SSE	5	0	52	85	7	-	-	-	-	-	*	1023.9	-1	SSE	5	0	52	85	7	-	-	-	-	-	*											
Calshot (Hants) ...	1029.6	0	S	5	0	48	92	6	2,000	Sc	4	ASr	3	4	1029.6	0	S	5	0	48	92	6	2,000	Sc	4	ASr	3	4	*										
Lymington (Folkestone)	1031.4	0	S	5	cm	43	97	5	4,500	Sc	10	-	-	*	1031.4	0	S	5	cm	43	97	5	4,500	Sc	10	-	-	-	*										
Aberdeen ...	1021.6	-3	SSE	5	0.5	47	75	6	1,250	Sc	10	-	-	3	1021.6	-3	SSE	5	0.5	47	75	6	1,250	Sc	10	-	-	3	*										
Howden ...	1028.3	-2	SE	4	0	38	97	5	750	Sc	6	ASr	2	*	1028.3	-2	SE	4	0	38	97	5	750	Sc	6	ASr	2	*											
Cranwell (Lines)	1029.9	0	S	4	0.5	33	97	4	3000	Sc	6	ASr	3	*	1029.9	0	S	4	0.5	33	97	4	3000	Sc	6	ASr	3	*											
Felixstowe ...	1032.6	0	-	0	bz	32	97	2	-	-	-	-	-	0	1032.6	0	SSE	4	bc	47	97	7	-	-	ASr	5	3	*											
Shoeburyness ...	1032.0	0	SSW	1	0	44	85	7	2,000	Sc	9	-	-	*	1032.0	0	SSW	1	0	44	85	7	2,000	Sc	9	-	-	-	*										
Benson ...	1028.7	0	ESE	3	c	41	92	5	-	-	-	-	-	*	1028.7	0	ESE	3	c	41	92	5	-	-	Sc	7	-	-	*										
S. Farnborough ...	1030.4	0	ESE	2	0.5	40	97	4	2,000	Sc	7	ASr	2	*	1030.4	0	ESE	2	0.5	40	97	4	2,000	Sc	7	ASr	2	*											
London (M.O. at In.)	1030.8	+1	SSE	2	cm	42	97	4	2,000	Sc	10	-	-	*	1030.8	+1	SSE	2	cm	42	97	4	2,000	Sc	10	-	-	-	*										
Croydon ...	1031.6	+1	S	3	0.5	43	92	5	750	Sc	10	-	-	*	1031.6	+1	S	3	0.5	43	92	5	750	Sc	10	-	-	-	*										
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																																							
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.	Max. Temp. °F.	Min. Temp. °F.	Morning.	Afternoon.	Night.	Sunshine Hours.																		
	mb.					mb.																																	
15H. G.M.T. OF 17 th																						7H. G.M.T. OF 18 th								24 HOURS ENDED 7H. 18 th									
Lerwick ...	1019.8	42	-	0	b	1018.4	-4	48	+7	SSE	6	W	cg	6	-	48	39	bc	bc	b. bc	2.3																		
Stornoway ...	1018.9	46	SW	2	0	1006.4	-3	50	+10	S	7	-	op	6	6	50	37	bc	0	op	3.8																		
Castell Bay (Barrals)	1018.7	49	ESE	5	0	1006.9	-2	53	+7	SSE	7	-	op	*	6	53	43	bc	bc	op	2.3																		
Malin Head ...	1014.3	48	SSW	3	C	1002.2	0	51	+5	SW	2	-	op	8	5	56	34.5	bc	c	c	*																		
Blackod Point ...	1014.3	48	S	5	bc	1002.2	0	51	+5	SW	2	-	op	8	5	56	34.5	bc	c	c	*																		
Roche's Point ...	1020.9	51	S	5	C	1014.6	-1	54	+17	S	7	-	0	6	0.4	54	35	b. bc	bc	b. bc	*																		
Birr Castle ...	1019.7	46	SE	3	C	1011.6	-	54	+19	SE	5	-	0	*	-	54	34	o. c.	c.	om	2.1																		
Donaghadee ...	1023.9	43	SW	1	bc	1016.0	-4	52	+14	SW	5	-	op	3	-	53	38	bc	bc	om	*																		
Liverpool (Biddon)	1027.9	43	S	3	b	1023.8	-1	42	-1	SE	4	S	c	3	-	49	40	b	c. bc	o. c.	5.2																		
Holyhead ...	1025.6	48	SSW	4	bc	1019.5	-2	51	+5	S	7	-	op	6	-	52	45	b. bc	ced	b. bc	2.7																		
Pembroke (St. Mary's)	1026.3	51	SE	4	bc	1021.4	-1	53	+4	SSE	6	-	op	5	-	53	48	bc	bc	b. bc	4.3																		
Selly (St. Aubin)	1026.2	51	SSE	4	bc	1021.8	-1	54	+8	SSE	5	-	0	6	-																								

* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

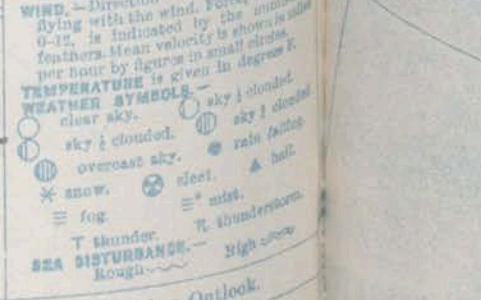
§ For code see page 3

+ See footnote p. 4

GENERAL INFERENCE from observations received up to 9h.

A large and deep depression to the Westward and North-Westward of Ireland is moving slowly North-North-Eastward. Southerly to South-West-erly winds, strong to a gale in the West and North, are probable, with occasional rain or drizzle over the whole Kingdom.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 08.45.



Continuing
unsettled.

▼ South Cone
hoisted.

TELEGRAPHIC CODE

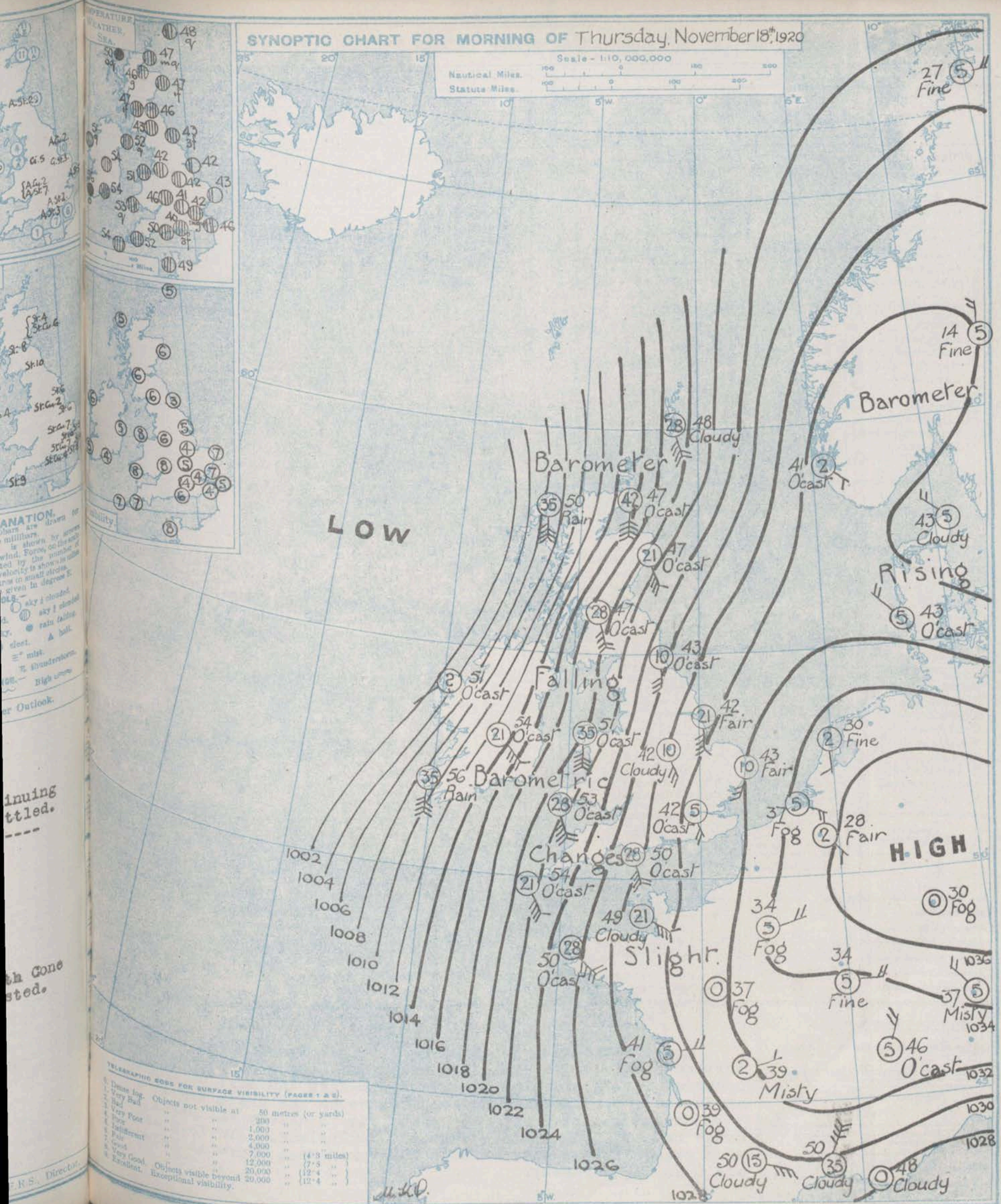
0	Dense fog	Object
1	Very Bad	"
2	Bad	"
3	Very Poor	"
4	Poor	"
5	Fair	"
6	Fairly good	"
7	Good	"
8	Very Good	Object
9	Excellent	Excellent

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

SYNOPTIC CHART FOR MORNING OF Thursday, November 18th, 1920

Scale - 110,000,000

Nautical Miles
Statute Miles



15				
AERIAL PHOTO CODES 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			300	
6. Indifferent			1,000	
7. Fair			2,000	
8. Good			4,000	
9. Very Good			7,000	4.3 miles
10. Excellent			12,000	7.5 "
		Objects visible beyond	20,000	12.4 "
		Exceptional visibility.	30,000	18.4 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 323

Thursday
18th Nov 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. 18h-9h. 16'-17'	Day. 9h-18h. 17'	Sunrise to Sunset. 17'			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 16'-17'	Day. 9h-18h. 17'	Sunrise to Sunset. 17'
Scotland.	Oban ...	bc	bbc	49	38	2	-	3.1	England, N.W.	Douglas (I.O.M.)							2.5
	Banff ...	b	bc.b	47	34	-	-	5.2		Blackpool ...	cpo	cpo	52	43	1	0.3	4.0
	Montrose ...									Southport ...	bbe	bc.b	52	43	1	-	5.2
	St. Andrews ...	=	=	46	36	-	-	5.1		Morecambe ...	-	-	51	42	0.3	1	
England, N.E.	Harrogate ...	b	b	47	37	1	-	5.6	Midlands.	Buxton ...			53	51	-	-	6.7
	Scarborough ...	b	b	52	38	-	-	7.0		Leamington Spa...	b	b	52	38	-	-	7.0
	Skegness ...	b	b	50	34	-	-	5.6		Malvern ...	b	b	51	36	0.2	-	6.7
										Bath ...	b	b	52	31	10	-	5.0
England, E.	Lowestoft ...								Wales.	Rhyl ...	bc	b.b.c	50	41	-	-	4.9
	Felixstowe ...	b	bm	51	39	-	-	7.8		Colwyn Bay ...	-	-	52	41	-	-	4.5
	Southend-on-Sea...	b	b	52	34	trace	-	5.8		Llandudno ...	*	*	52	43	-	-	4.5
										Aberystwyth ...	oc.b	b.c.c	51	47	0.3	-	
England, S.E.	Tunbridge Wells	b	b	52	34	-	-	7.6	England, S.W.	Weymouth ...	b	b.b.c	56	37	-	-	7.4
	Margate ...	b	b.f.m	49	38	-	-	5.9		Teignmouth ...							7.7
	Ramsgate ...			51	37	-	-	6.1		Torquay ...	b	bc	56	38	-	-	7.3
	Folkestone ...	b	b.b.c.f	55	40	-	-	7.5		Paignton ...	bc.p.b	bc	54	33	0.3	-	6.0
	Hastings ...	b	b	54	39	trace	-	8.0	Penzance ...	b.z.b.c	bc	54	38	5	-	7.5	
	Eastbourne...	b	b	53	38	2	-	7.8	Newquay ...	b.v	b.v	52	39	2	-	7.6	
	Brighton ...	b	b	51	35	0.2	-	7.8	Bude ...	b	b	53	36	4	-	7.3	
	Worthing ...	b	b	51	33	1	-	8.0	Ilfracombe ...	b.b.c.b	b.c.c	52	44	0.1	-	7.5	
	Littlehampton ...	bc	bc	49	33	-	-	7.8	Weston-s-Mare ...	bc.b	b	53	36	12	-		
	Portsmouth (S. base)	-	-	53	38	-	-	7.4									
	Bournemouth ...	*	*	54	35	-	-	8.0									
	Ventnor (I. of W.)	*	*	54	41	5	-	9.0									

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:
BRITISH SECTION. No. B.21,547 FRIDAY, 19th NOVEMBER, 1920.

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

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 19H.																													
STATIONS.	13H. G.M.T. 18 th															13H. G.M.T. OF 18 th													
	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.	Am't. 0-10.	Upper Cloud. Form.	Am't. 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.	Am't. 0-10.	Upper Cloud. Form.	Am't. 0-10.	Sea 0-9.	
Renfrew ...	1016.5	-3	SSE	4	og	50	85	6	1250	Sc	5	AS	5	4	1017.0	0	SSE	5	od	51	92	6	1250	NB	10	-	-	4	
Eskdalemuir ...	1021.1	0	S	4	o	46	75	6	3,000	Sc	3	AS	4	4	1021.0	0	SSE	4	odm	46	92	4	2,000	NB	10	-	-	4	
Valencia (Cahire'n)	1009.7	0	S	4	o	54	85	7	1,200	Sc	10	-	-	6	1009.4	0	S	4	o	56	92	7	1,250	Sc	10	-	-	6	
Baldonnell	1015.5	0	S	6	og	57	85	5	1,200	NB	5	AS	4	4	1015.2	0	S	4	o	56	85	5	700	Sc	8	-	-	4	
Manchester (Alex. Pk.)	1025.0	-1	S	6	og	49	75	5	2,000	Sc	5	Sc	4	4	1025.0	0	SSE	5	bczf	48	75	5	1,100	Sc	4	C	2	4	
Ross on Wye	1026.5	-1	SSE	3	og	49	75	5	4,000	Sc	4	C	2	4	1026.4	-1	SSE	3	bc	49	75	4	-	-	-	-	-	4	
Falmouth	1023.8	0	SSE	5	og	54	92	6	-	Sc	10	-	-	4	1023.3	-1	SSE	6	o	54	85	6	-	Sc	10	-	-	4	
Calshot (Hants.)	1028.9	-2	SSE	5	c	53	85	8	4,100	Sc	2	AS	6	4	1028.1	-1	SSE	5	b	50	85	8	-	-	-	-	-	4	
Lymington (Folkestone)	1031.8	-1	S	5	og	47	85	7	2,000	Sc	1	AS	8	4	1031.3	-1	SSE	5	bcmg	44	85	7	-	-	-	CST	4	4	
Aberdeen	1019.5	-1	SSE	4	og	49	85	4	1,250	Sc	3	AS	7	4	1018.9	-1	SSE	4	og	50	85	4	1,250	Sc	10	-	-	4	
Howden	1027.9	-1	S	4	og	44	97	4	750	Sc	10	-	-	4	1027.1	-1	S	3	bc	41	97	5	3,000	Sc	2	AS	2	4	
Cranwell (Lincoln)	1029.1	-2	SSE	3	og	43	97	4	700	Sc	10	-	-	4	1028.5	0	SSE	4	c	42	97	5	-	-	-	C	7	4	
Felixstowe	1032.3	-2	SSE	4	og	48	97	6	-	-	AS	10	3	4	1031.9	0	SSE	3	bc	46	85	6	-	-	-	AS	6	4	
Shoeburyness	1031.4	-1	S	3	c	48	85	7	4,100	Sc	3	C	4	4	1030.6	-1	SSE	3	bc	45	85	7	-	-	-	C	2	4	
Benson	1028.2	-1	SSE	3	c	49	85	6	-	-	C	8	4	4	1028.4	0	SSE	2	b	42	85	6	-	-	-	-	-	4	
S. Farnborough	1029.4	0	SSE	4	og	50	75	5	-	-	C	9	4	4	1028.8	-2	S	2	b	44	85	5	-	-	-	-	-	4	
London (New Obs.)	1030.1	-2	SSE	4	og	51	75	5	-	-	C	9	4	4	1029.4	-1	SSE	4	og	43	92	6	-	-	-	C	9	4	
Croydon	1030.2	0	SSE	3	og	50	75	6	7,000	Sc	8	AS	7	4	1029.6	-1	SSE	4	og	43	92	6	-	-	-	C	9	4	
Renfrew	1019.4	-2	SSE	4	om	45	85	5	-	Sc	10	-	-	4	1018.5	-1	S	7	og	54	85	6	2,000	Sc	10	-	-	4	
Eskdalemuir	1009.5	0	SSW	8	og	55	85	4	-	Sc	4	-	-	4	1013.3	+3	S	6	og	49	97	6	3,000	Sc	10	-	-	4	
Valencia (Cahire'n)	1015.4	0	S	8	bc	54	85	4	2,000	Sc	4	-	-	4	1015.9	0	S	7	o	55	85	5	2,000	Sc	10	-	-	4	
Baldonnell	1022.4	-1	SSE	5	b	52	92	7	-	-	-	-	-	4	1022.7	-1	SSE	4	b	44	85	6	-	-	-	-	-	4	
Manchester (Alex. Pk.)	1022.4	-1	SSE	5	b	52	92	7	-	-	-	-	-	4	1022.5	-1	SE	1	bmw	41	92	5	1,250	Sc	1	-	-	4	
Ross on Wye	1022.4	-1	SSE	5	b	52	92	7	-	-	-	-	-	4	1022.5	0	S	5	o	54	92	6	-	Sc	10	-	-	4	
Falmouth	1027.0	-1	SSE	3	b	50	92	7	-	-	-	-	-	4	1026.3	-1	SE	5	bc	51	92	6	2,000	Sc	1	-	-	4	
Calshot (Hants.)	1029.6	-2	S	5	bcmg	42	92	6	-	-	-	CST	2	4	1029.7	0	S	4	og	43	92	5	1,250	Sc	9	-	-	4	
Lymington (Folkestone)	1026.4	-1	SSE	3	bczf	38	97	4	1,250	Sc	5	-	-	4	1014.6	+1	S	5	bczf	50	85	5	1,250	Sc	1	-	-	4	
Aberdeen	1026.9	0	S	5	og	40	97	5	3,000	Sc	7	AS	3	4	1015.2	0	S	3	og	41	97	4	750	Sc	10	-	-	4	
Howden	1020.8	-0	SSE	5	bcif	46	85	6	-	AS	6	-	-	4	1026.1	-0	S	5	og	40	97	3	450	Sc	10	-	-	4	
Cranwell (Lincoln)	1020.8	-0	SSE	5	bcif	46	85	6	-	AS	6	-	-	4	1030.0	0	SSE	4	og	45	92	6	750	Sc	9	-	-	3	
Felixstowe	1020.8	-0	SSE	5	bcif	46	85	6	-	AS	6	-	-	4	1029.4	0	S	2	o	43	85	6	3,000	Sc	7	AS	2	4	
Shoeburyness	1020.8	-0	SSE	5	bcif	46	85	6	-	AS	6	-	-	4	1025.6	-1	SSE	3	og	45	97	4	-	Sc	10	-	-	4	
Benson	1020.8	-0	SSE	5	bcif	46	85	6	-	AS	6	-	-	4	1027.2	0	ESE	2	og	44	97	3	2,000	Sc	10	-	-	4	
S. Farnborough	1020.8	-0	SSE	5	bcif	46	85	6	-	AS	6	-	-	4	1027.9	0	ESE	2	bczf	42	92	2	2,000	Sc	2	AS	2	4	
London (M.O. at 1H)	1020.8	-0	SSE	5	bcif	46	85	6	-	AS	6	-	-	4	1028.0	-1	S	5	bczf	45	92	5	1,250	Sc	1	-	-	4	
Croydon	1020.8	-0	SSE	5	bcif	46	85	6	-	AS	6	-	-	4	1028.0	-1	S	5	bczf	45	92	5	1,250	Sc	1	-	-	4	
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																													
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.	Weather	Sea 0-9.	Rainfall in. 24 hours.	TEMP. Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	Sunshine Hours.									
	mb.					mb.								in.															
	18H. G.M.T. of 18 th					7H. G.M.T. of 19 th									24 HOURS ENDED 7H. 19 th					18 th									
Lerwick	1012.9	50	SSE	8	omg	1007.4	-2	51	+3	SSE	8	-	omg	6	1	51	48	omg	omg	omg	4								
Stornoway	1004.6	50	SSE	6	omg	1007.9	+7	46	-4	SW	5	-	omg	4	47	57	46	or	omg	omg	0.0								
Castlebay (Barra)	1006.4	55	SSE	6	o	1010.5	+4	47	-6	W	4	-	r	4	25	56	46	dr	r.o.	or	0.0								
Black Head	1005.1	56	S	5	og	1010.6	+5	48	-3	SW	2	-	omg	3	40	56	45	og	og	omg	0								
Roche's Point	1001.0	55	SW	5	o	1015.7	0	54	0	S	5	-	o	5	0.4	55	53	omg	omg	omg	0								
Bir Castle	1015.3	54	S	5	o	1012.6	0	55	+1	S	4	-	o	4	0.2	58	53	og	o	o	0.0								
Donaghadee	1012.3	54	S	5	o	1015.1	+1	54	+2	SW	4	-	omg	4	2	55	52	og	og	omg	0								
Liverpool (Bidston)	1015.8	54	SW	4	omg	1021.1	-1	43	+1	SSE	5	5	bcn	4	-	50	42	o.c	bc.b	cm	1.7								
Holyhead	1019.6	53	S	6	og	1018.5	0	54	+3	S	5	-	og	4	-	54	50	o.c	c.ogm	c.ogm	0.0								
Pembroke (St. Mary's)	1022.0	52	S	4	o	1020.8	0	55	+2	S	4	-	cm																

1018-3

Information for these columns not usually received.

+ The barometric change is expressed in half millibars.

§ For code see page 3

+ See footnote p. 4.

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 19.11.1920

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

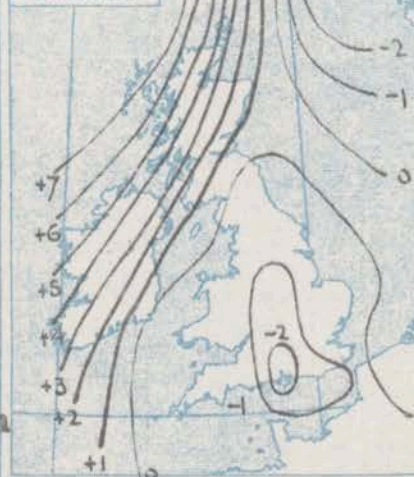
Temperature reported from Coastal and Cross Channel Steamers

Position Number	Date	Time G.M.T.	Sea °F	Air °F
4 ^a	18 th	0500	52	49
5	18 th	0821	54	53
3	18 th	1020	55	54
7	19 th	0255	56	56

CHART OF POSITION NUMBERS and Upper Cloud

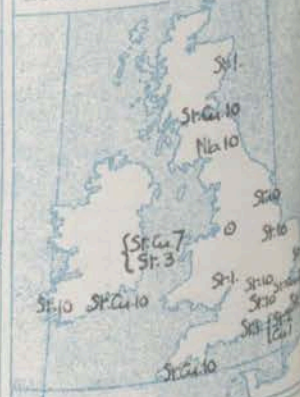


Isallobars.



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

Lower Cloud.



EXPLANATION.

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

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

TEMPERATURE.—Temperature is given in degrees F.

WEATHER SYMBOLS.—

- clear sky.
- sky & cloud.
- overcast sky.
- snow.
- fog.
- thunder.
- sea disturbance.
- rough.
- high.
- low.
- rain falling.
- rain.
- hail.
- thunderstorm.

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

The barometer is rising again in the West and North of these Islands, and it appears probable that the Continental anticyclone will extend further over our Eastern districts. Mainly fair weather, with Southerly winds, is to be expected, but occasional rain is still likely on our West and Northwest Coasts.

extreme

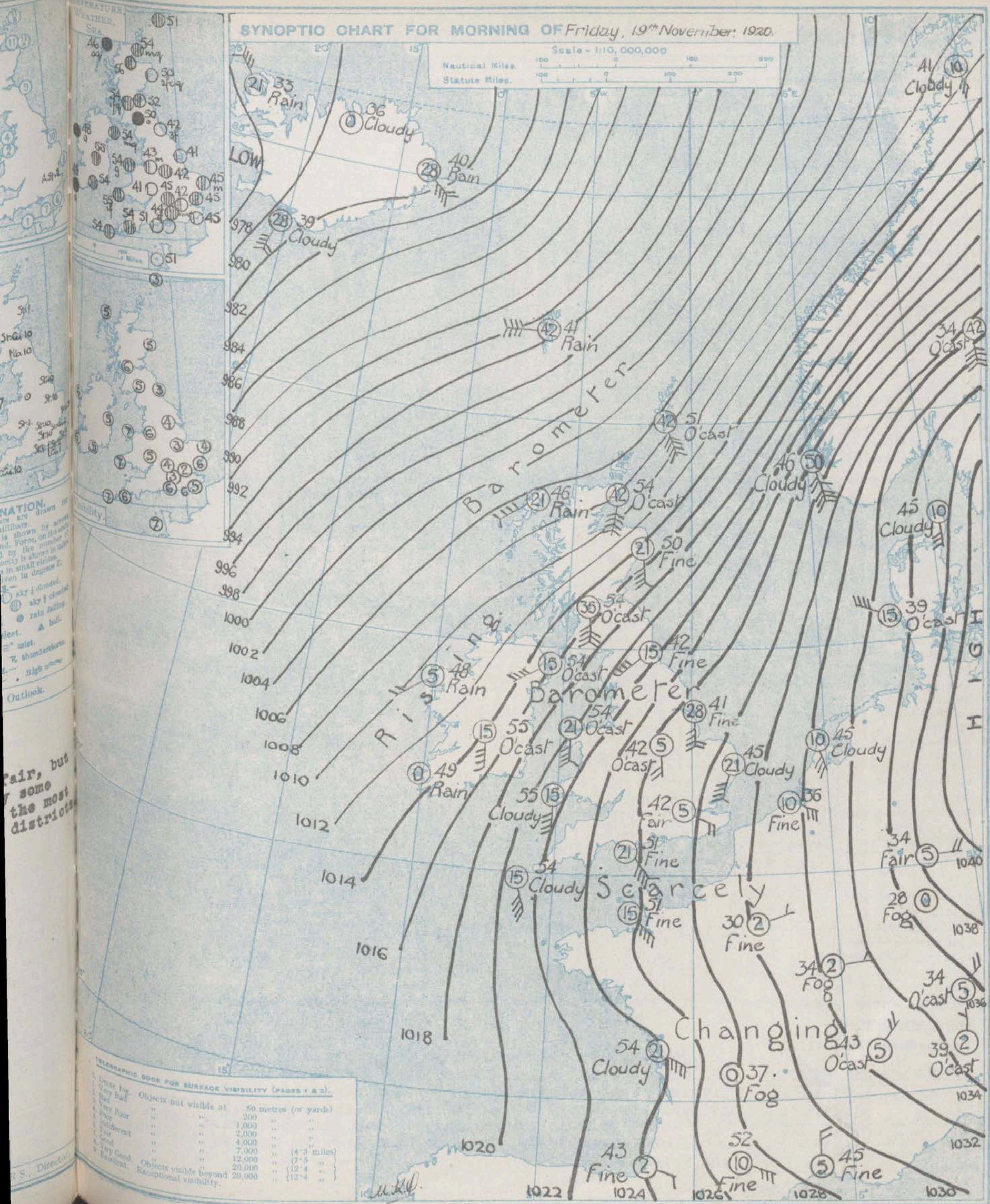
Districts	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 19th November, 1920.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind Southerly, light or moderate; fair or cloudy; visibility fair generally; temperature rising.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland	Wind S or S.W. light or moderate, fresh locally; cloudy or variable sky, mist at times, visibility indifferent to fair; moderate or mild temperature.
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S or S.W. light or moderate, fresh or strong at times locally; much cloud generally, some showers, mist at times; visibility indifferent to fair; moderate temperature.

Mainly fair, but probably some rain in the most Western districts.

SYNOPTIC CHART FOR MORNING OF Friday, 19th November, 1920.

Scale = 1:10,000,000

Nautical Miles.
Statute Miles.



TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)

WEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 18 th																				
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-1h.	Day. 12h-1h.	Sunrise to Sunset.				Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-1h.	Day. 12h-1h.	Sunrise to Sunset.		
						17 th 18 th		18 th								17 th 18 th		18 th		
Scotland.	Oban ...	0	0	56	43	-	-	0.0	England, N.W.	Douglas (I.O.M.)								0.0		
	Banff ...	9	9	49	35	-	-	0.0		Blackpool ...	0	c	49	40	-	-	-	1.2		
	Montrose ...									Southport ...	c.o.c	c.o.c. bc	50	40	-	-	-	0.0		
	St. Andrews ...									Morecambe ...	2	2	49	40	-	-	-			
England, N.E.	Harrogate ...	0.09	c. bc	45	34	0.1	-	0.0	Midlands.	Buxton ...								1.5		
	Scarborough ...	0.08	bc	47	39	-	-	0.0		Leamington Spa ...	0.0.8	bc	51	34	-	-	-	1.7		
	Skegness ...	0.06	0. bc. 8	47	38	-	-	0.4		Malvern ...	0.0	bc. 6	51	37	-	-	-	3.0		
	Lowestoft ...	0.09	bc	48	35	-	-	0.8		Bath ...	0.0. bc. 8	bc. 6	54	35	-	-	-	0.0		
England, E.	Felixstowe ...	0.09	bc	48	35	-	-	0.8	Wales.	Rhyl ...	bc	c	52	38	-	-	-	0.9		
	Southend-on-Sea ...	0.0	c. bc	48	35	0.1	-	0.4		Colwyn Bay ...	4	4	55	41	-	-	-	1.1		
England, S.E.	Tunbridge Wells ...	0.06	0.0. bc. 8	49	34	-	-	0.0	Wales.	Llandudno ...	c	c. bc	57	41	-	-	-	3.0		
	Margate ...	c	c	47	42	-	-	0.7		Aberystwyth ...	0.0. 8	c. c. 0	55	43	-	-	-			
	Ramsgate ...	*	*	50	41	-	-	1.4		Tenby ...										
	Folkestone ...	0.0. c. 0	0.0. bc	50	40	-	-	1.8		Swansea ...								3.0		
	Hastings ...	0.0. c	bc	50	42	-	-	3.3		Weymouth ...	0.0. c	bc. 6	55	39	-	-	-	1.8		
	England, S.E.	Eastbourne ...	0.0. c	c. bc	51	35	-	-	3.3	England, S.W.	Teignmouth ...								1.0	
		Brighton ...	bc	bc	52	37	-	-	1.6		Torquay ...	c	6	52	50	-	-	-	0.0	
		Worthing ...	0.0. c	bc. 8	52	36	-	-	2.5		Paignton ...	0.0	c. bc	57	47	-	-	-	0.0	
		Littlehampton ...	0.0	bc	53	40	-	-	2.2		Penzance ...	0	0	56	45	0.2	-	-	0.0	
		Portsmouth (S. Isaac) ...	0	bc	54	40	-	-	2.7		Newquay ...	0	0	54	42	-	-	-	0.1	
		Bournemouth ...	*	*	54	46	-	-	4.0		Bude ...	w. bc	c	54	38	-	-	-	0.2	
		Ventnor (I. of W.) ...	*	*							Ilfracombe ...	0.0. 0	0.0. bc	54	44	-	-	-	0.6	
											Weston-s-Mare ...	bc. c. bc	c	51	43	-	-	-		

SUMMARIES FOR PAST 24 HOURS.														
STATIONS.		WEATHER.				TEMPERATURE.		RAINFALL.		SUN.		BEAUFORT NOTATION.		
		7h-12h.	12h-18h.	18h-12h.	12h-7h.	Max. Temp. °F.	Min. Temp. °F.	Day. 7h-12h.	Night. 12h-7h.	Hours.	Hours.	b	bc	c
Renfrew ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	55	47	1	1	0.0	0.0	b	bc	c
Esksdalemuir ...		0	0	0	0	49	42	1	0.1	0.0	0.0	bc	bc	c
Valencia (Cahire) ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	51	40	5	5	0.0	0.0	c	bc	c
Baldonnel ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	51	40	5	5	0.0	0.0	c	bc	c
Manchester (Alex. PK) ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	50	42	3	3	0.0	0.0	c	bc	c
Ross on Wye ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	52	41	3	3	0.0	0.0	c	bc	c
Falmouth ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	54	50	4	4	0.0	0.0	c	bc	c
Calshot (Hants) ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	53	47	4	4	0.0	0.0	c	bc	c
Lymington (Folkestone) ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	47	42	4	4	0.0	0.0	c	bc	c
Aberdeen ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	51	47	4	4	0.0	0.0	c	bc	c
Howden ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	47	37	3	3	0.0	0.0	c	bc	c
Cranwell (Lines) ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	46	33	3	3	0.0	0.0	c	bc	c
Felixstowe ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	49	45	4	4	0.0	0.0	c	bc	c
Shoeburyness ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	48	41	3	3	0.0	0.0	c	bc	c
Benson ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	51	40	3	3	0.0	0.0	c	bc	c
S. Farnborough ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	53	35	2	2	0.0	0.0	c	bc	c
London (Kew Obs.) ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	51	38	2	2	0.0	0.0	c	bc	c
Croydon ...		0.0. 0.0	0.0. 0.0	0.0. 0.0	0.0. 0.0	51	41	4	4	0.0	0.0	c	bc	c

LONDON OBSERVATIONS.										SOUTH KENSINGTON (Meteorological Office).				
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		HUMIDITY %		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM		
		Morning.	Afternoon.	Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	11h. G.M.T.	9h. G.M.T.	Stations.	Sunrise.	Noon.
24 HOURS ENDED 9h G.M.T. 19 th										YESTERDAY.		19 th 120 th Nov ^r 1920.		
Greenwich (Royal Observatory)		0.0	0.0. bc	cw	50	39	31	-	0.3	77	94	Yarmouth...	7.22	11.38
City (Bunhill Row)		0	0	0	52	42	34	-	0.0	70	87		7.24	11.39
Westminster (St. James's Park)		0	0	0	52	42	34	-	0.0	70	87	Greenwich	7.26	11.46
Regents Park (Botanical Gardens)		0	0	0	50	36	29	-	0.0	72	92		7.28	11.57
Camden Sq. (British Rainfall)		0.0. c	bc. 6	0	51	36	29	-	0.0	81/18h	97	Wick	8.12	11.58
Kensington Palace		bc.	bc.	0	49	39	32	Trace	0.0				8.14	12.26
Hamstead Observatory		0	0	0	49	39	32	Trace	0.0			Valencia ...	8.9	12.27
		0	0	0	49	39	32	Trace	0.0				8.11	12.27

Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 18th 17 h. 15 m.
to 19th 6 h. 15 m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	13. 0	13. 0	100
8 Ursae	13. 0	12. 16	94
Minoris			

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to 55° or rather higher in the SW, W, and NW. but remained below 50° at many places in the E and SE. Little bright sunshine was recorded generally - none at several stations - but at Jersey the value was 6.7 hours. Very heavy rain fell at Stornoway and Blacksod Point, 47mm and 40mm respectively, but over the greater part of the Kingdom the weather was dry.

* Information for these columns not usually received.

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



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B21,548 Saturday, November 20th, 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 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.									
																						Weather	Weather			
19th G.M.T. 19th																										
Renfrew	1016.2	0	SSW	5	56	85	6	1250	St	10	-	-	-	1018.0	+2	S	5	55	92	6	1250	St	10	-	-	-
Eskaideuir	1019.4	-1	SSW	6	51	85	7	2000	St	10	-	-	-	1021.1	+2	SSW	5	52	95	6	-	St	10	-	-	-
Valencia (Cahire's)	1013.3	-1	-	0	50	49	91	6	2500	St	10	-	-	1014.2	+4	S	6	51	92	6	750	St	10	-	-	4
Baldonnel	1017.3	+1	S	5	59	85	5	2000	St	9	AS	1	-	1017.8	+1	S	5	55	92	4	2000	St	3	AS	2	0
Manchester (Alex. PK)	1024.0	-1	SSE	5	52	85	4	2000	St	9	-	-	-	1024.7	+1	S	5	52	85	4	2000	St	5	-	-	0
Ross on Wye	1024.9	0	S	2	52	85	5	2000	St	10	-	-	-	1025.3	0	S	2	53	85	4	2000	St	10	-	-	-
Falmouth	1023.7	-1	SSE	4	53	92	6	-	St	10	-	-	-	1024.8	+1	SSE	4	54	92	4	-	St	10	-	-	-
Calshot (Hants)	1026.7	0	SSE	3	55	85	7	-	-	-	-	-	-	1027.0	+2	S	3	54	91	6	2000	St	10	-	-	3
Lymington (Folkstone)	1028.8	-1	SSE	4	46	85	6	750	St	3	-	-	-	1029.5	+1	S	3	41	92	5	2500	St	10	-	-	-
Aberdeen	1016.9	+2	S	4	52	92	5	750	St	10	-	-	-	1018.4	+2	SSW	3	53	92	5	750	St	10	-	-	4
Howden	1025.8	-1	S	4	45	91	6	750	St	10	-	-	-	1016.2	+3	S	3	47	91	6	1250	St	10	-	-	-
Cranwell (Lincoln)	1026.1	0	S	4	48	92	5	750	St	6	-	-	-	1027.0	0	3	3	42	97	4	2000	St	2	-	-	3
Felixstowe	1029.2	-2	SSE	4	49	91	7	-	-	-	-	-	-	1027.8	+1	SSE	4	46	85	6	-	-	-	-	-	3
Shoeburyness	1028.5	-1	S	1	51	91	6	-	-	-	-	-	-	1028.4	0	S	2	43	85	6	2000	St	8	-	-	-
Benson	1025.7	-1	SSE	2	54	91	6	-	-	-	-	-	-	1026.9	+1	SSE	2	46	92	5	-	-	-	-	-	-
S. Farnborough	1027.1	0	SSE	2	55	91	6	-	-	-	-	-	-	1027.7	0	-	0	46	92	5	-	-	-	-	-	-
London (New Obs.)	1027.3	-1	SSE	2	54	91	6	-	-	-	-	-	-	1027.9	+1	SE	1	50	88	4	-	-	-	-	-	-
Croydon	1027.5	-1	S	3	55	91	6	-	-	-	-	-	-	1028.3	+1	SSE	2	45	92	5	-	-	-	-	-	-
7H. G.M.T. OF 20th																										
Renfrew	1022.5	+1	SW	4	51	85	6	-	St	6	-	-	-	1022.4	+4	S	5	54	92	6	1250	St	9	-	-	-
Eskaideuir	1016.2	+2	SSE	5	57	-	-	-	-	-	-	-	-	1024.4	+2	SW	6	49	85	6	2000	St	8	AS	2	-
Valencia (Cahire's)	1019.6	+1	S	5	58	92	4	2,000	St	8	-	-	-	1017.0	+1	SSE	6	56	85	7	2,000	St	7	-	-	-
Baldonnel	1019.6	+1	S	5	58	92	4	2,000	St	8	-	-	-	1021.8	+4	S	2	53	85	5	2,000	St	8	-	-	-
Manchester (Alex. PK)	-	-	-	-	-	-	-	-	-	-	-	-	-	1026.9	+1	SSE	3	53	85	2	2,000	St	10	-	-	-
Ross on Wye	-	-	-	-	-	-	-	-	-	-	-	-	-	1026.8	+1	S	2	52	85	6	2,000	St	10	-	-	-
Falmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	1025.3	0	SSE	3	52	92	6	-	St	9	-	-	-
Calshot (Hants)	1024.7	0	SSE	3	54	85	6	-	St	10	-	-	-	1028.3	0	E	3	47	91	4	2,000	St	10	-	-	3
Lymington (Folkstone)	1028.2	0	SE	4	50	97	5	2,000	St	10	-	-	-	1030.5	+1	S	4	40	92	5	2,500	St	10	-	-	-
Aberdeen	1029.5	0	S	4	42	97	5	2,500	St	10	-	-	-	1020.2	+3	SSW	3	53	92	5	1,250	St	10	-	-	2
Howden	-	-	-	-	-	-	-	-	-	-	-	-	-	1027.6	+1	S	1	48	92	4	750	St	10	-	-	-
Cranwell (Lincoln)	1026.8	0	SSE	3	44	97	3	750	St	10	-	-	-	1028.6	0	S	1	45	97	2	2,500	St	10	-	-	-
Felixstowe	1028.2	0	E	1	38	97	2	1,250	St	10	-	-	-	1030.5	0	SSE	3	44	85	7	1,250	St	4	-	-	2
Shoeburyness	1030.6	0	S	3	42	92	7	3,000	St	10	-	-	-	1030.0	0	SE	1	41	85	7	2,000	St	10	-	-	-
Benson	-	-	-	-	-	-	-	-	-	-	-	-	-	1028.1	0	SSE	2	42	97	3	-	St	10	-	-	-
S. Farnborough	-	-	-	-	-	-	-	-	-	-	-	-	-	1029.1	0	ESE	2	41	97	1	2,500	St	10	-	-	-
London (New Obs.)	1029.0	+1	-	-	43	-	-	-	-	-	-	-	-	1029.7	+1	SE	2	39	97	2	2,500	St	10	-	-	-
Croydon	1029.4	-	SSE	2	41	97	5	1,250	St	10	-	-	-	1030.0	0	SE	2	37	97	3	2,500	St	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 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.								
																			Weather	Weather						
19th G.M.T. OF 19th																										
Lerwick	1016.2	48	SW	2	c	1015.2	-2	52	+1	SW	3	-	0	2	12	52	49	omg	omg	omd. omg	4					
Stornoway	1014.0	46	WSW	2	c	1013.7	0	54	+8	SW	6	-	0.1	5	4	54	42	org. c	c	o. org.	1.2					
Castell Bay (Barrils)	1014.6	50	SE	3	0	1015.6	+1	55	-	SSE	5	-	0.1	5	1	55	46	ro bc	bc. o.	0.1	1.0					
Malin Head	1013.3	47	SE	1	om	1015.0	+1	55	-	S	4	-	0.1	3	6	55	47	om	om	om. om	0.0					
Blackod Point	1011.9	49	SSE	2	c	1013.0	+2	56	+8	SSW	6	-	0.1	3	57	48	bc	bc	om. org. bc	0						
Roche's Point	1018.2	54	S	4	0	1021.3	+2	52	-2	SSE	4	-	0	4	3	55	52	omd	om. o	o. c	0					
Bir Castle	1015.9	54	S	3	0	1019.4	-	54	-1	SE	2	-	0	5	56	53	om	om. o	o	0.0	0.0					
Donaghadee	1017.0	55	SW	4	om	1020.9	+1	53	-1	SW	4	-	0.1	4	-	56	54	om	om	om. om	0					
Liverpool (Lidston)	1025.5	49	SE	4	f	1025.7	+2	42	-1	SE	4	-	0	3	-	50	43	o. om	om	om	2.2					
Holyhead	1021.1	54	S	5	f	1024.4	+2	51	-3	SSW	4	-	0	2	-	55	50	o. bc	c. bc. o	c. bc. o	0.0					
Pembroke (St. Mary's)	1022.7	54	S	4	c	1025.1	0	53	-2	SSE	3	-	0	4	-	56	53	om	om	om. om	2.5					
Jersey (St. Aubin)	1022.1	53	SSE	4	om	1023.1	0	54	0	SSE	4	-	0	4	-	56	52	c. om	om	b. om	0.5					
Portland Bill	1026.6	54	SE	3	f	1027.0	0	45	-6	ESE	2	-	0.1	4	-	54	44	o	o	js. om	7.2					
Dunegness	1025.4	54	S	4	c	1026.0	0	53	+2	S	3	-	0	4	-	57	49	o	o	c. o. c.	0					
Wick	1028.9	43	S	4	o	1029.1	0	42	-3	S	3	-	0	3	-	48	40	o	o	o. om	0					
Nairn	1016.6	46	S	2	om	1016.2	+2	52	-2	SSW	2	-	0	2	6	54	44	om	om	om. om	0					
Leith	1016.1	46	-	0	o	1017.0	-	56	0	-	0	-	0	4	4	56	45	org. c	de	od. cg	0.0					
Spurn Head	1018.4	55	SSW	4	c	1021.6	+1	52	0	W	2	-	0	2	-	56	52	o. bc. o	c. org. uc	c. bc. o	0					
Yarmouth	1023.6	45	SW	2	bc	1025.4	0	42	0	SSW	3	-	0.1	3	-	47	42	om	f	f	0					
Yarmouth (New Obs.)	1024.0	47	S	4	bc	1028.1	0	43	+2	SSW	2	-	0	3	trace	47	39	f. om	om	om. fd.	0					
Clacton-on-Sea	1027.9	47	S	6	o	1029.4	+1	44	-1	SW	3	-	0	2	-	49	41	om	om	om. bc	4.2					
Nottingham	1029.1	43	SSE	3	f	1029.9	+2	44	-1	SSE	3	-	0	2	-	50	40	o. bc. o	o	b. om. bc	6.0					
Nottingham	1027.1	44	S	1	bc	1028.2	-	48	+6	SW	2	-	0	2	-	49	39	om	o. om	c. om.	0.0					

Information for these columns not usually received.

The barometric change is expressed in half millibars.

For code see page 3.

See footnote p. 4.

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 20.11.1920.

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

Temperature reported from Coastal and Cross Channel Steamers

Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
4	19 th	0430	45	45
8	19 th	0517	52	47
5	19 th	0825	54	55
3	19 th	1020	55	56
1	19 th	1225	57	54
6	19 th	1500	55	50
7	20 th	0510	54	51
4a	20 th	0345	51	50

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. Interval of two millibars. WIND.—Direction is shown by arrow pointing in the direction of 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.—Isobars are drawn at intervals of two degrees. WEATHER SYMBOLS.—sky & cloud, clear sky, sky & cloud, overcast sky, snow, fog, thunder, sea disturbance, rough, high.

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

A large anticyclone centred over the Baltic region extends to the East and South of this country while another depression is advancing on Iceland from the Westward. S.E. to S or S.W. winds are probable over the British Isles, with mainly fair weather in the East and Southeast and much cloud, accompanied by occasional local drizzle, in the West and North. Similar conditions may continue for 2 or 3 days.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 20th November, 1920.
1. S.E. England	Wind between S.E. & S or S.W., light or moderate; cloudy or fair, some mist at times; visibility indifferent; moderate temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	Wind S or S.W., moderate or fresh, stronger at times; much cloud generally, some drizzle in places; visibility indifferent to fair; mild.
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	

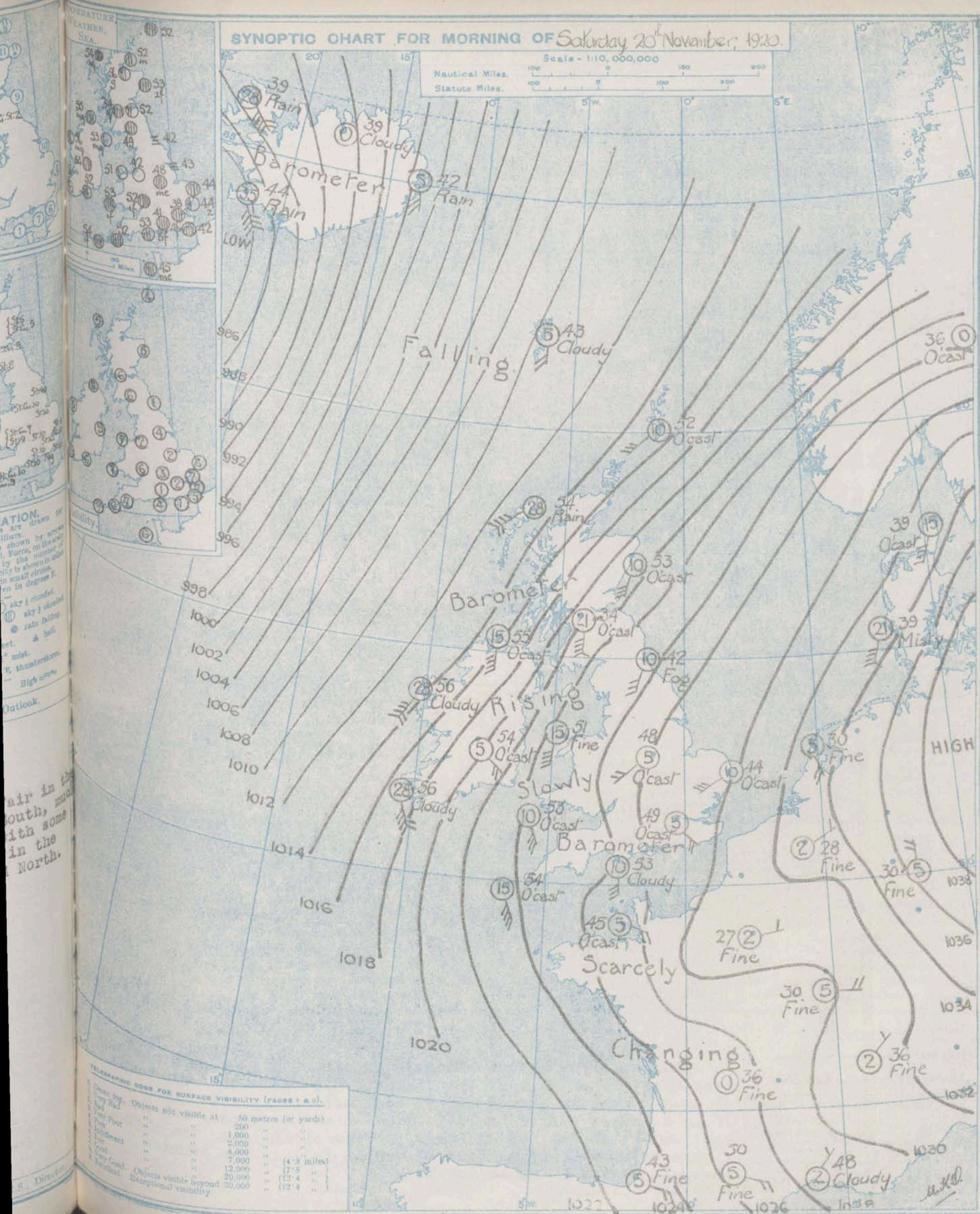
Further Outlook.

Mainly fair in the East & South, much cloud, with some drizzle in the West and North.

Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200



Saturday
Nov 20 1920

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 1920

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sunshine.	STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sunshine.
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night.	Day.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night.	Day.	Sunrise to Sunset.
					18-19.	19-20.							18-19.	19-20.	
					18-19.	19-20.	19.						18-19.	19-20.	19.
Scotland.								England, N.W.							
Oban	P	P	44	46	13	8	0.0	Douglas (I.O.M.)							1.1
Banff	od	rd.o	55	46	-	3	0.0	Blackpool	mc	bc	50	43	-	-	2.3
Montrose								Southport	c.o.c.bc	bc.b	51	42	-	-	1.0
St. Andrews ...	o	c	56	48	-	-	1.3	Morecambe	*	*	50	43	-	-	
England, N.E.								Midlands.							
Harrogate	rm.b	m.bc.c	47	36	-	-	1.3	Buxton							2.0
Scarborough ...	b	b	48	39	-	-	3.7	Leamington Spa...	c.c.bc	c.bc	54	47	-	-	0.5
Skegness	o	o.b	47	41	-	-	2.0	Malvern	b.bc	bc.c.o	52	42	-	-	2.9
England, E.								Bath	c.c.bc.b	b.bc.c	59	43	-	-	0.9
Lowestoft								Rhyl	bc.c	c	56	46	-	-	1.3
Felixstowe	b	b3	49	47	-	-	4.3	Colwyn Bay	*	*	56	46	-	-	0.1
Southend-on-Sea...	b	b.bc	54	41	-	-	6.1	Llandudno	*	*	61	51	-	-	1.5
England, S.E.								Wales.							
Tunbridge Wells	bc.b	b.bc.o	53	40	0.5	-	5.2	Aberystwyth ...	c.c.c	bc.o	54	50	-	-	
Margate	b	b	50	41	-	-	6.6	Tenby							
Ramsgate	*	*	50	42	-	-	7.0	Swansea							4.0
Folkestone	b.bc	bc	54	41	-	-	6.8	England, S.W.							
Hastings	bc.b	bc.c.o	57	45	-	-	5.2	Weymouth	b.bc	bc.o	58	51	-	-	0.3
Eastbourne	b	b.bc.b	53	47	-	-	7.4	Teignmouth							1.0
Brighton	b	b	53	48	-	-	6.5	Torquay	o	o	57	53	-	-	0.1
Worthing	b	b	54	48	-	-	7.6	Paignton	c	c	59	57	-	-	3.0
Littlehampton ...	*	*	56	49	-	-	4.1	Penzance	c.o	o.bc	57	43	-	-	4.1
Portsmouth (S. base)	*	*	58	50	-	-	7.8	Newquay	bc	bc	56	50	-	-	4.4
Bournemouth ...	*	*	58	50	-	-	8.0	Bude	w/c	b	58	44	-	-	3.0
Ventnor (I. of W.)	*	*	58	48	-	-		Ilfracombe	bc.c	bc	58	51	-	-	
								Weston-s-Mare ...	bc.c.bc	bc.c	56	44	-	-	

STATIONS.

SUMMARIES FOR PAST 24 HOURS.

BEAUFORT NOTATION.

THE BEAUFORT SCALE OF WIND FORCE.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	7h-12h.	12h-18h.	Max. Temp. F.	Min. Temp. F.	Day. 7h-12h.	Night. 12h-18h.	Hours.	
Renfrew ...	oifo	oifo	57	54	0.4	0.4	0.3	
Eskdalemuir ...	oifo	oifo	52	47	0.4	0.4	0.0	
Valencia (Cabin)	oifo	oifo	57	48	0.4	0.4	0.0	
Baldonnel ...	c.o	c.o	57	53	4.8	4.8	0.2	
Manchester (Alex Park)	oifo	oifo	52	44	3.3	3.3	0.1	
Koss on Wye...	oifo	oifo	54	41	4.7	4.7	1.7	
Falmouth ...	oifo	oifo	55	50	5.1	5.1	0.8	
Calshot (Hants)...	oifo	oifo	55	46	4.5	4.5	6.8	
Lymington (Folkestone)	oifo	oifo	46	39	3.9	3.9	6.1	
Aberdeen ...	oifo	oifo	55	49	4.7	4.7	0.0	
Howden ...	oifo	oifo	49	39	3.5	3.5	0.0	
Cranwell (Lines) ...	oifo	oifo	49	36	3.3	3.3	3.0	
Felixstowe ...	oifo	oifo	50	39	3.2	3.2	7.2	
Shoeburyness ...	oifo	oifo	52	39	3.8	3.8	7.5	
Benson ...	oifo	oifo	55	41	3.7	3.7	0.1	
S. Farnborough ...	oifo	oifo	57	40	3.4	3.4	6.3	
London (New Ob.)	oifo	oifo	55	39	3.1	3.1	6.2	
Croydon ...	oifo	oifo	56	37	3.1	3.1	0.1	

LONDON OBSERVATIONS.

WEATHER.

TEMPERATURE.

RAINFALL.

SUNSHINE.

HUMIDITY %

SOUTH KENSINGTON

TABLE SHOWING THE GREENWICH TIMES OF

34 HOURS ENDED WH G.M.T. 20 th										YESTERDAY.		TODAY.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.	20 th + 21 st Nov. 1920			
															Stations.	Sunrise.	Noon.	Sunset.
Greenwich (Royal Observatory)	b	b	cm	55	38	34	-	6.3	72	99			Total 24.9 Joules.	Yarmouth...	7.24 7.26	11.39 11.39	3.50 3.52	
City (Bunhill Row)	*	*	*	55	38	38	-	1.0	*	*								
Westminster (St. James's Park)	*	*	m	57	38	38	-	1.9	69	96			Greenwich	7.28 7.29	11.46 11.46	4.4 4.3		
Regents Park (Botanical Garden)	*	*	*	57	38	38	-	3.7	*	*								
Camden Sq. (Met. Office)	cm.b	b	*	52	39	37	-	*	79	97			Wick	8.14 8.16	11.58 12.27	3.49 4.43		
Kensington Palace	b	b	*	56	35	35	-	*	87 (18h)	99								
Hampstead Observatory	*	*	*	54	37	38	-	3.6	*	96			Valencia	8.12	12.27	4.43		
												Average Rate.					8.0	
												Maximum Rate.	17					

Photographic Record of

Pole Star (Polaris) and of 3 Ursa

Minoris at Greenwich Observatory.

Exposure from 19.17 h. 15 m.
to 20.18 h. 15 m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	13.0	2.40	21
3 Ursa Minoris	13.0	2.16	17

NOTES ON THE WEATHER OF YESTERDAY.

Maximum temperature readings of 55° or higher were recorded over the greater part of the Kingdom, but they were below 50° at many places in the Southeast and East of England. Little or no sunshine was recorded in Ireland and Scotland, but there were several hours over a large portion of England, the highest figure being 8 hours at Ventnor. Rain fell in the extreme West and North; 12 mm at Lerwick.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 41549

SUNDAY, 21ST NOVEMBER, 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 0-3.	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 0-3.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea. 0-9.				
12h. G.M.T. of 20 th																										
Renfrew ...	1024.6	+2	WSW	3	55	85	2	2000	Sr	6	1	1026.8	+2	S	2	0	49	92	5	1200	Sr	5	1			
Esksdalemuir ...	1025.7	-1	SW	2	52	85	3	2000	Sr	11	-	1027.7	+1	0	0	49	92	5	1200	Sr	1	-				
Valencia (Cahire's) ...	1018.1	-1	SE	6	58	75	1	3000	Sc	1	1	1019.1	+1	SE	6	58	75	1	3000	Sc	9	-				
Baldonnell ...	1023.4	-1	S	3	55	85	3	2000	Sr	8	-	1024.0	0	S	3	55	85	3	2000	Sr	2	-				
Manchester (Anco) ...	1024.5	0	SE	4	52	85	4	2000	Sr	10	-	1028.0	+2	SE	4	52	85	4	2000	Sr	10	-				
Ross on Wye ...	1024.7	0	SW	2	52	85	5	1200	Sr	10	-	1028.1	0	S	2	52	85	5	1200	Sr	10	-				
Falmouth ...	1025.6	0	SE	3	51	85	6	500	Sc	9	-	1025.4	0	SE	4	51	85	6	500	Sc	-	-				
Calshot (Hants) ...	1028.7	-1	S	4	52	85	3	700	Sr	10	-	1029.1	+1	SE	3	52	85	3	700	Sr	4	-				
Lymington (Folkestone) ...	1030.5	0	SE	4	51	85	4	-	-	3	-	1030.8	+1	SE	2	51	85	4	-	-	1	-				
Aberdeen ...	1022.8	+2	SW	3	50	85	6	-	-	1	2	1025.6	+5	SW	2	50	85	5	-	-	1	6				
Howden ...	1029.0	0	SE	2	51	85	3	500	Sr	10	-	1029.8	0	SE	5	51	85	3	500	Sr	10	-				
Cranwell (Lincs) ...	1030.0	+1	SE	3	51	85	1	500	Sr	10	-	1030.3	+1	SE	3	51	85	1	500	Sr	10	-				
Felixstowe ...	1030.4	0	SE	3	51	85	1	-	-	-	-	1031.5	+1	SE	4	51	85	1	-	-	-	2				
Shoeburyness ...	1030.5	0	SE	1	51	85	1	-	-	1	-	1030.6	0	SE	2	51	85	1	-	-	-	-				
Benson ...	1029.7	0	SE	2	51	85	2	-	-	-	-	1029.8	0	SE	1	51	85	2	-	-	-	-				
S. Farnborough ...	1029.8	0	SE	2	51	85	2	-	-	-	-	1029.9	0	SE	2	51	85	2	-	-	-	-				
London (Kew Obs.) ...	1030.2	-2	SE	2	51	85	2	-	-	-	-	1030.2	0	SE	2	51	85	2	-	-	-	-				
Croydon ...	1030.3	0	SE	3	51	85	3	-	-	-	-	1030.3	0	SE	3	51	85	3	-	-	-	-				
1h. G.M.T. of 21 st																										
Renfrew ...	1029.4	0	0	0	53	97	3	50	St	10	-	1029.4	0	0	0	53	97	3	50	St	10	-				
Esksdalemuir ...	1021.7	0	SE	5	53	97	3	50	St	10	-	1029.4	0	SE	5	53	97	3	50	St	10	-				
Valencia (Cahire's) ...	1025.2	+1	S	2	50	75	5	1200	Sr	7	-	1025.6	0	0	0	50	75	5	1200	Sr	8	-				
Baldonnell ...	1025.2	0	SE	3	51	85	3	-	-	-	-	1025.6	0	SE	3	51	85	3	-	-	-	-				
Manchester (Anco) ...	1025.2	0	SE	3	51	85	3	-	-	-	-	1025.6	0	SE	3	51	85	3	-	-	-	-				
Ross on Wye ...	1025.2	0	SE	3	51	85	3	-	-	-	-	1025.6	0	SE	3	51	85	3	-	-	-	-				
Falmouth ...	1025.2	0	SE	3	51	85	3	-	-	-	-	1025.6	0	SE	3	51	85	3	-	-	-	-				
Calshot (Hants) ...	1025.2	0	SE	3	51	85	3	-	-	-	-	1025.6	0	SE	3	51	85	3	-	-	-	-				
Lymington (Folkestone) ...	1025.2	0	SE	3	51	85	3	-	-	-	-	1025.6	0	SE	3	51	85	3	-	-	-	-				
Aberdeen ...	1031.0	-2	SW	3	51	85	4	500	Sr	10	-	1031.0	-2	SW	3	51	85	4	500	Sr	10	-				
Howden ...	1030.8	0	S	3	51	85	1	500	Sr	10	-	1031.0	+1	SE	2	51	85	1	500	Sr	10	-				
Cranwell (Lincs) ...	1031.5	0	SE	3	51	85	1	-	-	-	-	1031.5	0	SE	4	51	85	1	-	-	-	2				
Felixstowe ...	1031.5	0	SE	3	51	85	1	-	-	-	-	1031.5	0	SE	1	51	85	1	-	-	-	-				
Shoeburyness ...	1031.5	0	SE	3	51	85	1	-	-	-	-	1031.5	0	SE	1	51	85	1	-	-	-	-				
Benson ...	1031.5	0	SE	3	51	85	1	-	-	-	-	1031.5	0	SE	1	51	85	1	-	-	-	-				
S. Farnborough ...	1031.5	0	SE	3	51	85	1	-	-	-	-	1031.5	0	SE	1	51	85	1	-	-	-	-				
London (Kew Obs.) ...	1031.5	0	SE	3	51	85	1	-	-	-	-	1031.5	0	SE	1	51	85	1	-	-	-	-				
Croydon ...	1031.5	0	SE	3	51	85	1	-	-	-	-	1031.5	0	SE	3	51	85	1	-	-	-	-				
STATIONS CONTRIBUTING REPORTS AT 7h. AND 13h.																										
STATIONS.	Barom. at M.S.L. mb.	Temp. °F.	Wind. Direc. Force 0-12.	Weather.	Barometer.		Temperature.		Wind. Direc. Force 0-12.	Upper Cloud. Form.	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								
13h. G.M.T. of 20 th																				7h. G.M.T. of 21 st			24 HOURS ENDED 7h. 21 st			20 th
Lerwick ...	1020.9	55	SW	4	bc	1025.5	+4.3	50	-2	SW	3	0m	3	-	56	49	bc	bc	bc	0.0						
Stornoway ...	1019.3	55	SW	5	og	1024.7	+4.3	53	-1	S	5	0	4	1	56	52	og	og	og	0.0						
Castell Bay (Barra) ...	1020.8	54	SE	5	b	1024.8	+1	53	SE	4	0	5	-	55	52	dp	dp	dp	0.0							
Black Head ...	1020.4	54	SW	2	c	1022.0	0	50	-5	SW	3	0	2	-	56	49	bc	bc	bc	0.2						
Roche's Point ...	1017.2	54	SW	3	bc	1015.8	0	50	SE	4	0	bc	5	-	54	43	og	bc	bc	0.2						
Birr Castle ...	1022.8	53	S	3	0	1023.5	0	52	0	SE	4	0	4	0.2	55	51	0	0	0	0.2						
Donaghadee ...	1022.3	53	SE	3	0	1023.4	0	52	-2	SE	2	0	4	-	56	50	c	co	c	0.5						
Liverpool (Birkenhead) ...	1023.4	52	SW	3	cm	1026.3	+1	50	-3	S	4	cm	3	-	55	50	cm	bm	om	0.5						
Holyhead ...	1027.0	48	SE	3	0	1025.4	+1	39	-3	SE	4	bc	3	-	52	38	bm	0	b, bc	6.6						
Fernbrook (St. Mary's) ...	1025.8	51	SW	4	b	1026.4	0	47	-4	SW	3	cg	1	-	54	46	b, bc	bc	bc	2.2						
Scilly (St. Mary's) ...	1025.8	52	SE	2	om	1026.3	0	46	-7	SE	3	bc	4	-	54	46	om	om	bc	0.1						
Jersey (St. Aubin) ...	1024.0	53	SE	4	0	1023.9	0	51	-3	SE	3	0	4	-	54	51	om	om	0	0.2						
Portland Bill ...	1026.7	46	SE	2	f	1026.2	0	42	-3	SE	5	0	4	trace	50	38	aem. b	b, aef	fe	3.3						
Dunagness ...	1027.8	51	E	5	0	1027.9	0	47	-6	SE	6	bc	5	-	53	45	c, o	0	b, bc	0.2						
Wick ...	1029.6	47	SE	2	b	1030.3	0	39	-3	SE	4	b	4	-	43	39	b, bc	b	b	0.2						
Nairn ...	1021.7	52	SW	3	om	1025.2	+4.3	49	-4	SW	2	bc	2	-	54	47	cm	om	om, bc	0.0						
Leith ...	1022.4	53	SW	1	c	1025.6	0	40	-16	0	-	bc	1	-	57	38	cg	cg	bc	0.0						
Fyfehead ...	1025.5	47	SW	2	f	1029.9	0	36	-6	SW	2	bc	2	-	50	36	f	f	f, bc	0.2						
Spurn Head ...	1029.7	40	S	4	fw	1031.6	+1	34	-9	SW	2	fw	2	trace	43	31	fw	fw	fw	6.5						
Yarmouth (New) ...	1030.8	46	SE	4	b	1031.9	0	40	-4	S	2	b	2	-	49	40	b, bc	b	b	6.5						
Clacton-on-Sea ...	1030.7	47	SE	3	b	1031.5	0	43	-1	SE	3	bc	3	-	48	42	b, bc	b	b, bc	6.5						
Nottingham ...	1020.0	40	S	2	omc	1031.3	0	34	-14	SE	1	0	0	-	49	33	omc	omc	omc	0.0						

SUMMARY OF CONDITIONS AT 7 h.G.M.T. 21.11.1920.

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

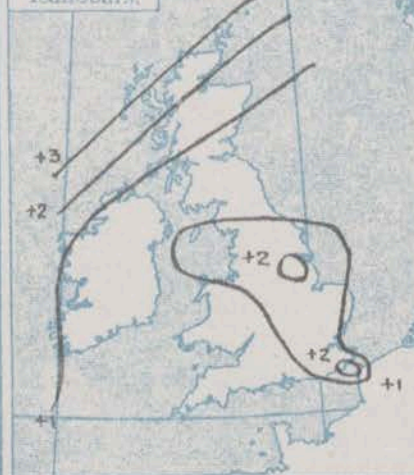
Temperature reported from Coastal and Cross Channel Steamers.

Position Number.	Date	Time G.M.T.	Sea °F	Air °F
5	20 th	0835	53	54
12	20 th	0550	52	53
3	20 th	0925	55	54
7	21 st	0250	56	44
8	21 st	0341	51	45
4A	21 st	0430	52	44

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

TEMPERATURE.—Mean temperature is shown in degrees.

WEATHER SYMBOLS.—

- clear sky.
- sky & cloud.
- overcast sky.
- snow.
- fog.
- thunder.
- thunder & rain.
- rain.
- hail.
- mist.
- thunder & hail.

SEA DISTURBANCE.—

- rough.
- high.

GENERAL INFERENCE from observations received up to 9h.

The anticyclone covering the Northwest Continent is moving slowly Northward. Mainly dry weather may be expected over the Kingdom generally but temperature will be rather low and there will be a good deal of fog in places.

Districts.	Forecasts for the 24 hours commencing 15 h.G.M.T. Sunday, 21st November, 1920.
1. S.E. England	Wind mainly S.E., light or moderate; fair generally, visibility varying from poor to fair; local mist or fog; rather cold.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind mainly Southerly, light or moderate; fair or cloudy, visibility varying from poor to fair, local mist or fog; moderate or rather low 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	Wind S.E. or S., moderate; cloudy, visibility mainly fair; moderate temperature.
20. S.W. Ireland	

Further Outlook.

Winds S.E. or S.
weather mainly
dry but local
fog and rather
low temperature.

LOW

Nautical Miles.
Statute Miles.

Statute Miles.

Barometer

Barometric

changes

slight

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGE 1 OF 2).			
Very Bad	Objects not visible at	30 metres (or yards)	
Bad	"	200	
Very Poor	"	1,200	"
Poor	"	2,000	"
Indifferent	"	4,000	"
Good	"	7,000	"
Very Good	"	12,000	(4.3 miles)
Excellent	Objects visible beyond	20,000	(7.5 ")
	Exceptional visibility.	30,000	(12.4 ")

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 226.

Sunday
25 Nov 1920

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.	Day.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night.	Day.	Sunrise to Sunset.
					12h-3h.	3h-12h.							12h-3h.	3h-12h.	
Scotland.					7 th -20 th	20 th	20 th	England, N.W.					19 th -20 th	20 th	
Oban ...	c	bc.c	56	47	2	-	2.4	Douglas (I.O.M.)							0.2
Banff ...	bc.c	c.o	60	45	0.1	-	0.1	Blackpool ...	mc	c	52	46	-	-	0.5
Montrose ...								Southport ...	c.o	c.o	53	45	0.2	-	
St. Andrews ...															
England, N.E.								Midlands.							
Harrogate ...	f bc.b	bc. om	48	38	0.1	0.1	1.6	Buxton ...							0.0
Scarborough ...	c	om	50	43	-	-	0.0	Leamington Spa...	c.c	c.c	45	44	-	-	0.0
Skegness ...								Malvern ...	m	m	45	43	-	-	0.0
Lowestoft ...								Bath ...	mc	mc	49	47	-	-	
Felixstowe ...	bc	b	48	42	-	-	4.5	Rhyl ...							
Southend-on-Sea...	c.c	bc.b	49	37	-	-	3.1	Colwyn Bay ...							7.0
England, S.E.								Wales.							5.7
Tunbridge Wells	c.c. bc	bc. b	48	38	-	-	2.6	Llanidudno ...		*	53	44	-	-	
Margate ...	b	b	48	37	-	-	6.6	Aberystwyth ...	c.b.b	c.c.o	48	43	-	-	
Ramsgate ...	*	*	50	40	-	-	7.1	Tenby ...							
Folkestone ...	b	b. bc	52	39	-	-	6.9	Swansea ...	mc						0.0
Hastings ...	f bc.b	b	49	41	-	-	4.3	Weymouth ...	c	c	53	49	-	-	
Eastbourne ...	c.c. bc	b	51	43	-	-	5.0	Teignmouth ...							0.0
Brighton ...								Torquay ...							
Worthing ...	c. bc. b	b	48	42	-	-	2.7	Paignton ...	cg	cg	53	50	-	-	
Littlehampton ...	c. om	bc	50	42	-	-	2.2	Penzance ...							
Portsmouth (S. bank)	b	b	49	43	-	-	0.4	Newquay ...							0.0
Bournemouth ...	*	*						Bude ...	c	c	54	49	-	-	1.4
Ventnor (I. of W.)	*	*						Ilfracombe ...	bc.c	c.c.c. bc	50	50	-	-	
								Weston-s-Mare ...							

STATIONS.	SUMMARIES FOR LAST 24 HOURS.										BEAUFORT NOTATION.		THE BEAUFORT SCALE WIND FORCE. Used only for surface observations.			
	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL. †		Sun. Hours.						
	7h-12h.	12h-18h.	18h-24h.	24h-7h.				Day. 7h-12h.	Night. 12h-7h.							
Renfrew ...	a. of	a. of	o. of	o. of	55	47	44	mod.	mod.	1.4	b blue sky (not more than a quarter covered).	No.	Limits of Velocity at about 10 feet above ground.			
Eskdalemuir ...	a. bc. of	a. of	b. of	o. of	50	36	36	-	-	1.5	bc sky partly cloudy (one half covered).			Statute miles per hour.	Meters per second.	
Valencia (Cahin) ...	bc.	bc. o.	c. o.	c. o.	59	54	51	-	-	4.4	c generally cloudy (three quarters covered).			0	Less than 1	0-15
Baldonnel ...	c. of	bc. b. bc.	bc. of	bc. of	57	44	36	-	-	4.5	d drizzle, or fine rain.			1	1-5	16-20
MANCHESTER (New) ...	a. of	a. of	o.	o. bc. of	52	25	21	-	-	0	e wet air without rain falling.			2	5-10	16-24
Ross on Wye ...	b. bc.	a. of	o. of	o. of	52	29	36	-	-	0.0	f fog.			3	10-15	20-25
Falmouth ...	a. of	a. of	c. bc.	b. of	53	49	45	-	-	0.0	g gloom.			4	15-20	25-30
Calshot (Hants) ...	a. of	c. bc. of	b. of	b. of	49	34	34	-	-	0.0	h hail.			5	20-25	30-35
Lymington (Folkestone) ...	a. of	a. of	b. of	b. of	45	31	26	-	-	6.3	i lightning.			6	25-31	35-40
Aberdeen ...	bc.	bc.	bc.	bc.	56	43	38	-	-	1.1	m mod. o overcast sky.			7	31-36	40-45
Howden ...	a. of	a. of	bc.	bc.	49	34	33	-	-	0.0	p passing showers.			8	36-40	45-50
Cranwell (Lincs) ...	a. of	bc.	bc.	bc.	43	25	21	0.1	-	0.0	q squall. r rain.			9	41-46	50-55
Felixstowe ...	a. of	bc.	bc.	bc.	49	40	36	-	-	7.3	rs sleet, i.e. rain and snow together.	10	46-51	55-60		
Shoeburyness ...	c. bc.	bc.	b.	bc.	48	32	26	-	-	4.1	s snow. t thunder.	11	51-56	60-65		
Benson ...	a. of	a. of	o. of	o. of	42	23	24	-	-	0	u ugly, threatening sky.	12	56-61	65-70		
S. Farnborough ...	a. of	a. of	o. of	o. of	42	22	19	0.3	-	0.0	v unusual visibility.					
London (New Obs.) ...	a. of	bc.	bc.	bc.	42	25	21	-	-	0.0	w dew. x hoar frost.					
Croydon ...	a. of	bc.	bc.	bc.	45	27	24	trace	-	0	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.
ct = continuous moderate rain.
cf = continuous light rain.

SYMBOLS.
Aurora ☄ Solar halo ☉
Rime ☃ Lunar halo ☾
Glazed frost ~ Solar corona ☉
Glazed roads ⚡ Lunar coronae ☾

THAMES

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 Sunset.		HUMIDITY %		T								
Morning.		Afternoon.		Night.		°F.		°F.		°F.		mm.		Hours.		G.M.T.		G.M.T.		Stations.		
34 HOURS ENDED ON G.M.T. 21 st 4 ²²										YESTERDAY.		TO-DAY.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.			21 st 4 ²² NOVEMBER 1900.					
																	Stations.					
																	Sunrise.					
																	Noon.					
																	Sunset.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					
																	G.M.T.					

NOTES ON THE WEATHER OF YESTERDAY.													
Photographic Record of Pole Star (Polaris) and of 3 Ursae Minoris at Greenwich Observatory.		Exposure from.....h.....m.		to.....h.....m.		Duration of Exposure.		Duration of Record.		Stations.		Duration of Exposure.	
		h. m.		h. m.		h. m.		h. m.		h. m.		h. m.	
Polaris		h. m.		h. m.		h. m.		h. m.		h. m.		h. m.	
3 Ursae Minoris		h. m.		h. m.		h. m.		h. m.		h. m.		h. m.	

Information for these columns not usually received.

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 2550

MONDAY 22nd NOVEMBER 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 10. 7. 10. AND 10. 10.

STATIONS.	12H. G.M.T. 21 st										10H. G.M.T. 21 st										
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dirce. Force 0-12.	Weather	Temp. °F.	Humidity %	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. Dirce. Force 0-12.	Weather	Temp. °F.	Humidity %	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.	
Rentrew ...	1029.8	-1	SE 2	02f	46	85	4	2000	Sc	8	1029.8	+1	ENE 2	02f	46	85	4	-	-	-	-
Eskealemuir ...	1029.1	-1	-	02f	46	85	5	-	-	-	1029.1	-1	N 1	04f	42	85	6	-	-	-	-
Valencia (Cahire's) ...	1019.9	-1	SE 3	0	55	75	8	2000	Sc	9	1020.6	0	SE 5	0c	52	85	8	2000	Sc	3	AC 2 4
Baldonnel ...	1026.1	-1	SE 2	02f	48	75	5	4200	Sc	3	1026.4	-1	SE 4	0c	48	85	4	400	Sc	2	-
Manchester (Alex. R.) ...	1030.2	-2	SE 3	02f	40	85	3	-	-	-	1030.0	0	ENE 2	02f	38	85	3	-	-	-	-
Ross on Wye ...	1029.5	-2	E 3	02f	46	85	4	700	Sc	10	1029.7	0	ENE 2	0c	38	85	3	-	-	-	-
Palmouth ...	1024.9	-3	ESE 5	02f	47	85	5	-	Sc	9	1025.2	0	SE 4	02f	47	85	5	-	-	Sc	4
Cashot (Hants) ...	1028.6	-2	ESE 4	02f	48	75	6	-	-	-	1029.3	+1	E 4	02f	49	75	6	-	-	-	4
Lympe (Folkestone) ...	1029.8	-2	E 3	02f	49	75	5	-	-	-	1030.2	0	E 5	02f	49	75	5	-	-	C	1
Aberdeen ...	1028.8	0	ESE 2	02f	47	85	4	750	Sc	10	1029.1	+1	E 2	02f	42	85	4	-	-	-	2
Howden ...	1031.8	-2	-	02f	34	97	3	4500	Sc	10	1029.8	-2	SSE 3	05f	39	97	1	5500	Sc	10	-
Cranwell (Lincs) ...	1031.9	0	ESE 1	05f	33	97	1	4500	Sc	10	1032.0	0	ENE 1	05f	29	97	1	5500	Sc	7	-
Felixstowe ...	1031.2	-2	ESE 3	02f	46	65	7	-	-	-	1032.5	0	E 4	02f	45	65	4	-	-	-	3
Shoeburyness ...	1031.4	0	ESE 3	0	43	65	7	-	-	-	1031.1	0	E 2	0	42	75	4	-	-	-	-
Benson ...	1030.0	-2	SE 1	0	38	97	2	-	-	-	1029.9	0	ESE 3	0	35	75	4	-	-	-	-
S. Farnborough ...	1029.7	-1	E 3	02f	41	97	4	4500	Sc	1	1030.0	0	ENE 2	02f	37	85	4	1500	Sc	2	-
London (New Ob.) ...	1030.0	-3	E 3	02f	40	85	2	-	-	-	1030.4	0	E 3	02f	37	85	3	-	-	-	-
Croydon ...	1030.2	-1	E 4	02f	44	75	4	-	-	-	1030.4	0	E 2	02f	33	85	4	-	-	C	1

10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.																		
Rendrew ...	1031.8	+1	-	45	65	6	-	-	-	1031.8	+1	-	45	65	6	-	-	-
Eskealemuir ...	1021.6	0	ESE 5	46	85	3	2000	Sc	2	1021.6	0	ESE 5	46	85	3	2000	Sc	2
Valencia (Cahire's) ...	1021.4	+1	-	41	85	3	2000	Sc	2	1021.4	+1	-	41	85	3	2000	Sc	2
Baldonnel ...	1031.2	-1	ESE 1	33	97	1	4500	Sc	10	1031.2	-1	ESE 1	33	97	1	4500	Sc	10
Manchester (Alex. R.) ...	1030.4	0	SE 4	46	75	8	-	Sc	2	1030.4	0	SE 4	46	75	8	-	Sc	2
Ross on Wye ...	1029.3	+1	ESE 3	39	92	6	-	-	-	1029.3	+1	ESE 3	39	92	6	-	-	-
Palmouth ...	1030.4	0	E 3	36	85	5	-	-	-	1030.4	0	E 3	36	85	5	-	-	-
Cashot (Hants) ...	1030.8	0	NE 2	33	85	4	-	-	-	1030.8	0	NE 2	33	85	4	-	-	-
Lympe (Folkestone) ...	1030.7	0	SE 2	38	97	2	-	-	-	1030.7	0	SE 2	38	97	2	-	-	-
Aberdeen ...	1032.0	0	-	31	97	0	4500	Sc	10	1032.0	0	-	31	97	0	4500	Sc	10
Howden ...	1030.5	0	NE 1	26	97	2	-	-	-	1030.5	0	NE 1	26	97	2	-	-	-
Cranwell (Lincs) ...	1031.9	0	ESE 3	44	75	7	-	-	-	1031.9	0	ESE 3	44	75	7	-	-	-
Felixstowe ...	1031.2	0	-	32	85	6	-	-	-	1031.2	0	-	32	85	6	-	-	-
Shoeburyness ...	1031.4	0	ESE 2	39	85	6	-	-	-	1031.4	0	ESE 2	39	85	6	-	-	-
Benson ...	1030.0	0	-	32	85	6	-	-	-	1030.0	0	-	32	85	6	-	-	-
S. Farnborough ...	1029.7	0	ESE 2	39	85	6	-	-	-	1029.7	0	ESE 2	39	85	6	-	-	-
London (New Ob.) ...	1030.0	0	ESE 2	39	85	6	-	-	-	1030.0	0	ESE 2	39	85	6	-	-	-
Croydon ...	1030.2	0	ESE 2	39	85	6	-	-	-	1030.2	0	ESE 2	39	85	6	-	-	-

STATIONS CONTRIBUTING REPORTS AT 7. 10. AND 10. 10.

STATIONS.	Barom. at M.S.L.	TEMP.	WIND.		Weather.	BAROMETR.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.
	mb.	°F.	Dirce.	Force 0-12.		at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dirce.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
	19h. G.M.T. of 21 st					7h. G.M.T. of 22 nd					24 HOURS ENDED 7h. 22 nd					21 st					
Lerwick	1028.4	49	S	2	0	1028.0	-2	47	-3	-	0	-	bc	0	-	50	40	om	0	0.0	1.8
Stornoway	1026.3	50	S	3	0	1025.7	0	45	-8	S	4	-	0	3	-	53	44	0. bc	bc. b	b. 0	2.8
Castlebay (Barra)	1025.7	56	SSE	4	0	1025.7	0	50	-	S	4	-	0	5	-	53	47	0	0	0	
Main Head	1024.8	47	SSE	3	0	1025.6	0	41	-9	SSE	1	-	bc	2	-	53	40	0	0	bc	1.1
Blackhead	1020.7	61	SE	3	bc	1021.1	0	46	-4	SE	3	-	0	2	-	54	48	bc	bc	bc. b	
Moche's Point	1023.9	50	SE	4	0	1024.9	+1	50	-2	SE	4	-	0	4	0.4	53	49	0.0	0.0	0.0	
Port Castle	1024.4	47	SE	2	0	1024.8	0	45	-7	SE	2	-	0	2	-	52	44	0.0	0.0	0.0	
Dunaghae	1027.1	46	SSE	2	bc	1027.7	0	45	-5	S	2	-	bc	2	-	50	45	om	bc	bc	
Liverpool (Midston)	1028.9	54	SE	4	0	1028.5	0	31	-8	SE	3	-	om	2	-	40	31	bc	bc	bc	3.4
Embrooke (St. Mary's)	1027.3	41	-	0	bc	1028.0	0	37	-10	SE	2	-	bc	0	-	54	33	bc	bc	bc	5.0
Jersey (St. Aubin)	1026.5	44	E	3	bc	1027.3	0	45	-1	SE	3	-	om	4	-	49	43	bc	bc	bc	1.8
Portland Bill	1024.3	48	SE	2	0	1024.6	0	48	-3	SSE	3	SE	0	4	-	52	47	0	0	0	0.0
Dunaghae	1020.5	42	E	4	0	1026.4	0	39	-3	E	3	-	b	3	-	44	35	0	0.0	bc	2.3
Wick	1026.0	18	E	6	0	1026.8	0	47	0	ESE	5	-	b	5	-	51	43	bc	bc. 0	bc. b	
Stornoway	1029.2	44	E	4	0	1029.1	0	42	+3	ESE	3	-	b	3	-	45	39	bc	bc. b	bc	
Stornoway	1027.1	48	S	2	0	1028.6	0	44	-4	SSW	3	-	bc	2	-	49	37	bc	bc	bc	
Stornoway	1026.5	38	-	0	0	1026.7	0	30	-10	-	0	-	bc	0	-	47	28	bc	bc. b	bc	5.8
Liverpool	1029.2	43	E	1	0	1030.2	0	37	-9	SE	1	-	bc	1	-	47	35	om	bc	bc	
Stornoway	1028.8	38	SW	3	0	1022.0	0	33	-3	SSW	2	-	bc	2	-	39	32	bc	bc	bc	
Stornoway	1021.6	41	SW	2	0	1032.3	0	33	-1	SSW	2	-	bc	2	0.1	44	30	bc	bc	bc	
Stornoway	1021.7	46	SE	4	0	1032.0	0	44	+4	ESE	3	-	bc	2	-	47	39	bc	bc	bc	7.2
Stornoway	1031.2	48	E	3	0	1031.3	0	41	-2	NE	3	-	bc	2	-	46	38	bc	bc	bc	7.1
Stornoway	1031.9	34	E	2	0	1032.8	0	30	-4	E	2	-	bc	2	-	34	28	bc	bc	bc	0.0

Information for these columns not usually received.

* The barometric change is expressed in half millibars.

† For code see page 3.

‡ See footnote p. 4.

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 21.11.1920.

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, local mist or fog.	Very bad	V. Smooth
2. E. England	Fine.	Indiff.	Smooth
3. E. Midlands	Fine, some mist, frosty.	Very bad	-
4. W. Midlands	Dull, fog or mist, frosty.	Bad	-
5. S.W. England	Fair to fine, dull locally	Good	Mod.
6. South Wales	Dull, misty.	Fair	"
7. North Wales	Fine.	Excellent	V. Smooth
8. N.W. England	Fine, some fog, frosty.	Indiff.	Smooth
9. N. Midlands	Fine; foggy, frosty.	Bad.	-
10. N.E. England	Fine, some fog.	"	Smooth
11. E. Scotland	Fine, mist or fog.	"	V. Smooth
12. S.W. Scotland	Fine, frosty.	V. Good	Smooth
13. Isle of Man	Fair, misty.	Indiff.	"
14. N. & N.W. Scotland	Fair or fine, frosty.	"	"
15. Hebrides	Dull.	Fair	Slight
16. Orkneys and Shetlands	Fine.	Indiff.	Calm.
17. N.W. Ireland	Fine.	V. Good	Smooth
18. N.E. Ireland	Fair, misty.	Indiff.	"
19. S.E. Ireland	Dull.	"	Mod.
20. S.W. Ireland	Dull.	V. Good	Slight

Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
8	21 st	0341	S1	4.5
3	21 st	1025	S3	S1



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

The Continental anticyclone will continue and the weather will be fair to fine for the next few days with mist or fog and frost at night especially over the inland districts.

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 small circles.
 TEMPERATURE. — Mean temperature is shown in small circles.
 WEATHER SYMBOLS. —
 ☉ clear sky. ☁ sky & cloud. ☂ sky & rain. ☄ overcast sky. ☇ rain falling. * snow. * sleet. * mist. = fog. T thunder. R thunderstorm.
 SEA DISTURBANCE. — Rough. High.

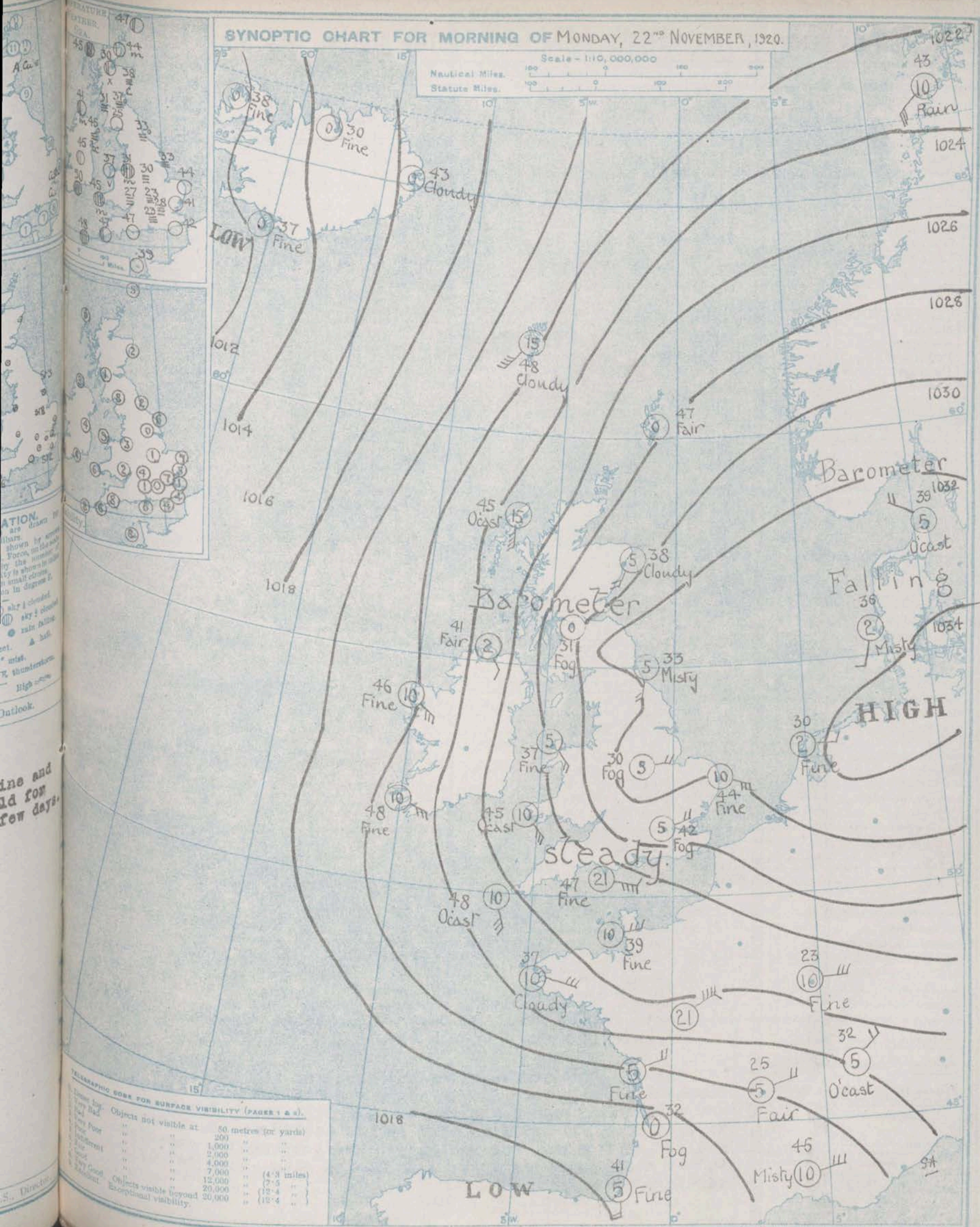
Further Outlook.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 21st November, 1920.
1. S.E. England	Light to moderate winds from between E and S.E.; fine; mist or fog at night; cold.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Light to moderate Southerly winds; fair to fine, mist at night; rather cold.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	Same as 1 - 10.
20. S.W. Ireland	

Fair to fine and rather cold for the next few days.

SYNOPTIC CHART FOR MORNING OF MONDAY, 22nd NOVEMBER, 1920.

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



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

Objects not visible at	50 metres (or yards)
1,000	200
2,000	400
4,000	800
7,000	1,200
12,000	2,000
20,000	3,600
Exceptional visibility	20,000

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. Nov 27.

Monday
22nd Nov

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 21 st																		
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night, 12h-21h.	Day, 21h-12h.	Sunrise to Sunset, 21 st				Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night, 12h-21h.	Day, 21h-12h.	Sunrise to Sunset, 21 st
Scotland.	Oban ...								England, W.	Douglas (I.O.M.)								2.8
	Banff ...	b bc	b	47	39	-	-	2.6		Blackpool ...	mb	mb	41	35	-	-	-	4.3
	Montrose ...									Southport ...	o.c. bc. b	bm. b	40	34	-	-	-	
	St. Andrews ...									Morecambe								
England, N.E.	Harrogate ...	cm	cf	45	31	0.2	-	2.0	Midlands.	Buxton ...								3.0
	Scarborough ...									Leamington Spa...	bc	cm	42	33	-	-	-	
	Skewness ...									Malvern ...								2.2
England, E.	Lowestoft ...								Wales.	Bath ...	m.o.c	a. b	41	36	-	-	-	6.9
	Felixstowe ...	b	b	46	42	-	-	7.8		Rhyl ...	bc	bc	45	34	-	-	-	4.0
	Southend-on-Sea...	b	b	44	37			7.3		Colwyn Bay ...	bc	b	50	36	-	-	-	7.3
England, S.E.	Tunbridge Wells	b	b	43	29	-	-	6.9	England, S.W.	Llanudno ...	b	b	52	36				
	Margate ...	b	b	44	38.5	-	-	7.2		Aberystwyth ...								
	Ramsgate ...									Tenby ...								
	Folkestone ...	b	b	50	36	-	-	7.2		Swansea ...								6.1
	Hastings ...	f. mc	b	45	35	-	-	7.4		Weymouth ...	bc. b	b. bc. b	50	43	-	-	-	5.5
	Eastbourne...	b	b	45	42	-	-	7.1		Teignmouth ...								3.6
	Brighton ...	b	b	45	34	-	-	6.8		Torquay ...	bc. c. bc	bc. b	57	44	-	-	-	0.0
	Worthing ...	b	b	45	36	-	-	7.1		Paignton ...	bc	bc	53	43	-	-	-	0.0
	Littlehampton ...									Penzance ...	o. c	o	50	46	-	-	-	0.0
	Portsmouth (S. them)	*	*	44	36	-	-	7.2		Newquay ...	o	o. f	48	43	-	-	-	0.0
	Bournemouth ...	*	*	48	36	-	-	6.6		Bude ...	b	b	53	37	-	-	-	6.9
	Ventnor (I. of W.)	*	*	49	42	-	-	7.8		Ilfracombe ...	bc. b	b	49	43	-	-	-	6.9
										Weston-s-Mare ...	bc	bc. c	47	37	-	-	-	3.8

SUMMARIES FOR PAST 24 HOURS.											BEAUFORT NOTATION.				THE BEAUFORT SCALE WIND FORCE.		
STATIONS.		WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL. †		Sun. Hours.	Limits of Velocity at about 30 feet above ground.					
		7h-12h 21 st	12h-12h 21 st	12h 21 st -1h 22 nd	1h-7h 22 nd				Day, 7h-12h	Night, 12h-7h		No.	Statute miles per hour.	Metres per second.			
Renfrew ...	...	c.o. f	b.c. f b.c. f	c.o. f	o.s. f.	50	31	26	-	-	0.1	b	blue sky (not more than a quarter covered).			
Eskdalemuir ...	...	o.s. f. b.c. f.	b.c. f	b.x b.c. f.	b. b.c. f.	48	25	17	-	-	0.5	bc	sky partly cloudy (one half covered).			
Valencia (Cahirey) ...	...	b.c. c.o.	c.o. b.c. c.	b.c. c.	b. b.c. b.	55	28	44	-	-	0.4	c	generally cloudy (three quarters covered).			
Baldonnel ...	...	b.c. f.	b. b.c. f.	a.s. f. b.c. f.	b.c. f. b.c. f.	50	31	24	-	-	0.8	d	drizzle, or fine rain.			
Manchester (Alex. Pk.)	...	b. c. f. b.c. f.	b.c. f. b.c. f.	b.c. f. b.c. f.	b. f.	43	28	15	Trace	-	4	e	wet air without rain falling.				
Ross on Wye...	...	o. f.	b.c. f. b.c. f.	b.c. f. b.c. f.	a. o. f. x	40	25	25	-	-	0.2	f	fog.	g gloom.			
Falmouth ...	...	o. o. f.	a.s. f.	b. b.c.	b. b.c.	49	45	42	-	-	0.0	h	hail.	l lightning.		
Calshot (Hants)...	...	b. c. f. b.c. f.	b.c. f. b.c. f.	b. f.	b.x	48	34	25	-	-	7.2	m	mist.	o overcast sky.			
Lymington (Folkestone)	...	b.c. f. b.c. f.	b. b.c. f.	b. b.c. f. b.c. f.	b. f. b.c. f.	40	30	20	-	-	7.5	p	passing showers.				
Aberdeen ...	...	f.c. o. f.	a.s. f. a.s. f.	z f.	x z f.	48	37	27	-	-	0.6	q	squalls.	r rain.		
Howden ...	...	o. f.	z f.	a z f.	e z f. x	36	28	27	-	-	0.0	rs	sleet, i.e., rain and snow together.			
Cranwell (Lincs) ...	...	a z f.	z f.	a z f.	z f. I z f.	34	23	17	0.2	-	0.0	s	snow.	t thunder.		
Felixstowe ...	...	z. b.c.	b. b.c.	b.x.	b.x.	47	30	8	-	-	7.5	u	ugly, threatening sky.			
Shoeburyness ...	...	b.c. b.c.	b. b.c.	b.	z f. x	44	28	16	-	-	7.6	v	unusual visibility.			
Benson ...	...	b.	b.	b.x	b.x z f.	39	22	15	-	0.2	8	w	dew.	x hoar frost.		
S. Farnborough ...	...	x o. f. b.c. f.	b. b.c.	b.x	a z f.	43	18	14	-	Trace	4.7	y	dry air: humidity less than 60 per cent.			
London (Kew Obs.)	...	z f. b.x w.	w. z f. z f.	b.x z f. x	a z f. x	41	28	19	Trace	-	2.6	z	dust haze; the turbid atmosphere of dry weather.				
Croydon ...	...	b.c. b.x z f.	b. b.c. f.	b.x z f. x	b.c. f. x z f.	44	28	8	Trace	-	2					

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

SYMBOLS—
☀ Solar halo
☾ Lunar halo
☼ Solar corona
☾ Lunar corona
☼ Solar corona
☾ 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.						10 h. G.M.T.	11 h. G.M.T.						
24 HOURS ENDED 22nd G.M.T.										YESTERDAY.	TO-DAY.	22nd & 23rd Nov. 1900.				
											Vertical Component of Solar Radiation per Square Centimetre during yesterday	Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.	
Greenwich (Royal Observatory)	b	b	bx f	42	23	15	-	6.9	77	87		Yarmouth...	7.28 7.29	11.39 11.39	3.50 3.49	
City (Banhill Row) ...	.	.	.	.	.	.	.	.	.	.		Greenwich	7.31 7.32	11.46 11.46	4.1 4.0
Westminster (St. James's Park)	.	.	.	44	34	27	.	.	63	95	Total	Joules.				
Regent's Pk. (Botanic Gds)	.	.	.	.	.	.	.	2.59	.	.		Milliwatts.			
Camden Sq. (British Rainfall)	b	b	.	38	27	20	-	.	.	77		Average Rate.	Wick ...	8.18 8.20	11.38 11.38	3.36 3.34
Kensington Palace ...	b bc	b bc	.	42	27	20	-	.	83 (18h)	92		Maximum Rate.	Valencia ...	8.14 8.15	12.27 12.27	4.40 4.39
Hampstead Observatory	40	31	27	0.3	.	.	88						

Photographic Record of

Pole Star (Polaris) and of 8 Ursa

Minors at Greenwich Observatory.

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

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	13 0	12 50	99
8 Ursa Minors	43 0	12 27	96

NOTES ON THE WEATHER OF YESTERDAY.

The day was rainless over the whole of the British Isles. Sunshine records exceeding 7 hours were of common occurrence, and under the generally clear sky at night sharp frost was experienced, the minimum being as low as 18° at South Farnborough and 22° at Benson. During the day the temperature exceeded 50° at a few stations only, and did not rise above 34° at Nottingham and Granwell.

* Information for these columns not usually received.

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



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21551

TUESDAY, 23RD NOVEMBER 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.																														
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.												
12H. G.M.T. OF 22 ND														12H. G.M.T. OF 22 ND																
Renfrew ...	1021.4	0	-	0	06.5	30	97	1	4500	St	10	-	-	1021.4	+1	SSW	2	08.5	29	97	0	4500	St	10	-	-	-	-	2	
Esksdalemuir ...	1021.2	0	S	1	byz	45	45	7	-	-	-	-	-	1021.5	0	-	0	b	27	65	7	-	-	-	-	-	-	-	4	
Valencia (Cahire's) ...	1024.0	-1	SSE	4	b	54	75	8	3,000	Str	2	-	-	1024.0	0	SE	4	b	48	75	8	3,000	Str	2	-	-	-	-	4	
Baldonnel ...	1028.2	0	S	3	bz	48	75	5	3,000	Str	3	-	-	1028.6	0	SE	2	b	40	92	4	2,000	Str	1	-	-	-	-	0	
Manchester (Alex. P.) ...	1032.5	0	SE	1	07.5	30	97	0	4500	St	10	-	-	1032.2	0	-	0	08.5	29	97	0	4500	St	10	-	-	-	-	2	
Ross on Wye ...	1031.7	0	ENE	2	04.5	39	97	2	4500	St	10	-	-	1031.4	+1	NE	2	05.5	31	97	1	4500	St	10	-	-	-	-	2	
Falmouth ...	1027.1	0	E	4	b	53	65	7	-	-	-	-	-	1026.7	+1	NE	5	09.5	50	75	5	-	-	-	-	-	-	3		
Calshot (Hants) ...	1029.6	-1	NE	3	b	45	75	5	-	-	-	-	-	1029.7	+1	NE	2	02.5	40	75	4	-	-	-	-	-	-	1	0	
Lymington (Folkestone) ...	1030.0	-1	NE	3	bz	45	65	6	-	-	-	-	-	1029.9	0	ENE	3	02.5	38	75	5	-	-	-	-	-	-	1	0	
Aberdeen ...	1030.3	0	SSW	1	02.5	44	75	5	-	-	-	-	-	1030.2	+1	SSW	2	02.5	39	45	5	-	-	-	-	-	-	2	0	
Howden ...	1033.3	0	-	0	08.5	33	97	0	4500	St	10	-	-	1033.3	0	-	0	08.5	32	97	0	4500	St	10	-	-	-	-	2	0
Cranwell (Lincs) ...	1033.0	0	N	1	04.5	30	97	2	4500	St	10	-	-	1032.8	+1	N	1	05.5	28	97	1	4500	St	8	-	-	-	-	2	0
Felixstowe ...	1031.5	-1	ENE	3	b	48	75	7	-	-	-	-	-	1031.3	0	NE	2	02.5	37	97	5	-	-	-	-	-	-	1	0	
Shoeburyness ...	1030.9	-2	E	3	bz	48	65	7	-	-	-	-	-	1030.2	-1	-	0	b	35	85	7	-	-	-	-	-	-	0	0	
Benson ...	1030.3	-2	-	0	bz	36	85	4	-	-	-	-	-	1031.1	0	-	0	bz	25	97	2	-	-	-	-	-	-	0	0	
S. Farnborough ...	1030.6	-2	-	0	04.5	31	97	1	4500	St	10	-	-	1030.6	+1	WNW	1	03.5	25	97	2	4500	St	7	-	-	-	-	0	0
London (Kew Obs.) ...	1030.4	-2	-	0	02.5	29	97	0	4500	St	10	-	-	1030.7	+1	NE	2	08.5	37	85	0	4500	St	10	-	-	-	-	0	0
Croydon ...	1030.4	-2	ENE	3	bz	42	75	3	-	-	-	-	-	1031.3	+2	NE	2	03.5	37	97	3	-	-	-	-	-	-	0	0	
1H. G.M.T. OF 23 RD														7H. G.M.T. OF 23 RD																
Renfrew ...	1031.9	-1	N	1	b	27	45	5	-	-	-	-	-	1030.7	0	SE	1	7.5	25	97	0	4500	St	10	-	-	-	-	2	0
Esksdalemuir ...	1021.8	-2	SE	4	bc	47	-	-	-	-	-	-	-	1030.5	-1	N	2	bz	31	65	6	-	-	-	-	-	-	-	2	0
Valencia (Cahire's) ...	1021.8	-2	SE	4	bc	47	-	-	-	-	-	-	-	1030.5	-1	N	2	bz	31	65	6	-	-	-	-	-	-	-	2	0
Baldonnel ...	1027.4	-2	-	0	bx	36	85	4	-	-	-	-	-	1025.0	-2	-	0	bx	38	65	4	-	-	-	-	-	-	-	2	0
Manchester (Alex. P.) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1029.8	-2	-	0	bz	26	97	0	4500	St	10	-	-	-	-	2	0
Ross on Wye ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1028.4	-2	NE	1	07.5	33	97	3	4500	St	10	-	-	-	-	2	0
Falmouth ...	1025.4	-3	E	5	bz	46	85	6	St	10	-	-	-	1023.0	-2	E	5	01.5	47	92	6	-	-	-	-	-	-	-	2	0
Calshot (Hants) ...	1027.7	-3	ENE	3	bz	37	92	3	-	-	-	-	-	1025.8	-4	NE	3	bz	35	85	3	4200	St	2	-	-	-	-	2	0
Lymington (Folkestone) ...	1028.2	-3	NE	3	bz	40	75	4	-	-	-	-	-	1026.5	-2	ESE	3	bx	38	85	5	-	-	-	-	-	-	-	2	0
Aberdeen ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1030.0	0	W	2	bz	29	75	6	-	-	-	-	-	-	-	2	0
Howden ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1030.8	-1	-	0	0.5	24	97	0	4500	St	10	-	-	-	-	2	0
Cranwell (Lincs) ...	1032.2	-2	-	0	0.5	30	97	0	4500	-	-	-	-	1030.0	0	WNW	1	0.5	26	97	2	4500	St	8	-	-	-	-	2	0
Felixstowe ...	1030.4	-1	NNW	1	0.5	28	97	1	2000	St	10	-	-	1028.4	-1	E	5	b	46	65	8	-	-	-	-	-	-	-	2	0
Shoeburyness ...	-	-	E	3	bz	45	75	6	-	-	-	-	-	1027.7	-3	NE	1	bx	40	75	7	-	-	-	-	-	-	-	2	0
Benson ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1027.0	-2	E	2	bz	28	97	2	-	-	-	-	-	-	-	2	0
S. Farnborough ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1027.3	-2	-	0	0.5	24	97	1	4500	St	10	-	-	-	-	2	0
London (Kew Obs.) ...	1029.2	-2	-	-	-	-	-	-	-	-	-	-	-	1027.9	-2	-	0	0.5	27	97	0	750	St	8	-	-	-	-	2	0
Croydon ...	1029.2	-3	-	0	08.5	32	97	0	4500	St	10	-	-	1027.0	-3	-	0	bz	24	97	2	-	-	-	-	-	-	-	2	0
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																														
STATIONS	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		Weather	BAROMETER. at M.S.L. mb.	TEMPERATURE. Temp. °F.	Change in 24 hours.	WIND.		Dir. of Upper Cloud.	Weather.	Sea.	Rainfall inches.	TEMP.			WEATHER.			Sunshine Hours.									
			Dir.	Force 0-12.					Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.											
12H. G.M.T. OF 22 ND														7H. G.M.T. OF 23 RD										24 HOURS ENDED 7H. 23 RD						
Lerwick ...	1027.4	46	S	1	b	1029.0	+1	39	-	0	-	bx	0	-	50	39	bcm	bcm	b	-	0.5									
Stornoway ...	1026.9	47	WSW	7.1	c	1029.2	0	46	+1	0	-	b	0	-	47	44	bc	bc	b	-	0.5									
Castlebay (Barra) ...	1027.3	48	S	5	0	1025.9	0	48	-2	SE	5	bm	5	-	50	47	o.c.m	o.c.m	o.bm	-	0.0									
Main Head ...	1026.5	51	SSE	2	bcm	1024.4	+1	40	-1	SSE	1	bm	1	-	45	39	bcm	bcm	bm	-	4.0									
Blackod Point ...	1024.2	47	SE	2	bc	1020.7	-5	43	-3	SE	4	bc	4	-	54	42	bc	bc	bc	-	0									
Roche's Point ...	1027.1	50	SSE	3	c	1022.9	-1	49	-1	SE	4	c	4	-	51	49	o.c.o.	o.c.	c	-	0									
Bir Castle ...	1026.8	47	SE	1	c	1023.7	-	32	-13	ESE	1	c	1	-	50	32	c	c	q.x.c	-	2.9									
Donaghadee ...	1028.8	45	SSW	2	bm	1026.8	-3	48	+3	SSE	3	bm	3	-	50	43	bcm	bm	bm	-	0									
Liverpool (Bishop) ...	1031.2	33	SE	4	f	1028.5	-1	35	+4	SE	3	f	3	-	36	30	bf	bf	f	-	4.0									
Holyhead ...	1028.9	42	E	3	bz	1025.7	0	42	+5	E	3	by	1	Trace	53	34	bz	bz	bx	-	6.7									
Pembroke (St. Mary's) ...	1028.4	44	E	3	bm	1025.0	-1	42	-3	E	3	bm	3	-	49	40	o.m.bm	bm	bm	-	6.4									
Scilly (St. Mary's) ...	1025.3	50	ESE	4	b	1022.1	-2	49	+1	ESE	4	bc	5	-	52	47	o.b	b	b	-	7.1									
Jersey (St. Aubin) ...	1026.1	45	ENE	4	b	1022.3	-2	39	0	ENE	3	b	3	-	47	25	b	b	b	-	8.0									
Portland Bill ...	1028.4	46	ENE	5	bm	1025.4	-5	40	-7	ENE	6	bm	6	-	47	38	bm	bm	bm	-	0									
Dungeness ...	1028.8	46	ENE	4	b	1025.4	-2	41	-1	E	4	b	4	-	49	41	b	b	b	-	0									
Wick ...	1027.7	38	NW	2	bm	1028.4	0	33	-11	SW	1	bm	1	-	46	29	bm	bm	bm	-	0									
Nairn ...	1028.2	31	-	0	b	1028.4	0	26	-4	-	0	bx	0	0.2	39	25	bc	bc	bx	-	4.5									
Loth ...	1030.8	30	NW	1	f	1030.4	0	27	-10	W	1	bm	1	-	37	25	o.m.c													

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 23.11.20.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Foggy, Frosty.	V. poor.	Slight.
2. E. England	Fine, clear.	V. good.	"
3. E. Midlands	Frosty.	Bad	-
4. W. Midlands	Foggy, Frosty.	Dense fog	-
5. S.W. England	Dull, misty	Good	R. rough.
6. South Wales	Fine, misty.	Fair.	Slight.
7. North Wales	Fine, clear.	ll. V. smooth	
8. N.W. England	Foggy.	V. poor.	Slight.
9. N. Midlands	Dull, some fog.	"	"
10. N.E. England	Fine, " "	"	Smooth
11. E. Scotland	Fine, hazy.	Fair	V. smooth
12. S.W. Scotland	Fine, frosty	"	Slight.
13. Isle of Man	Fine, misty	"	"
14. N. & N.W. Scotland	Fine, frosty.	"	V. smooth
15. Hebrides	Fine.	Good	Calm.
16. Orkneys and Shetlands	"	Indiff.	"
17. N.W. Ireland	Fair	Fair	Moderate
18. N.E. Ireland	Fine, misty.	"	Slight.
19. S.E. Ireland	Fine to cloudy, frost (locally).	"	"
20. S.W. Ireland	Fine.	V. good.	Moderate.

Temperature reported from Coastal and Cross Channel Steamers.

Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
5	22 nd	0838	53	45
3	22 nd	1020	53	48

CHART OF POSITION NUMBERS and Upper Cloud



Isallobars.



Lower Cloud.



GENERAL INFERENCE from observations received up to 9h.

The continental anticyclone will maintain fine weather generally over the British Isles for a day or two, with sharp frost at night over the inland districts of England and Scotland.

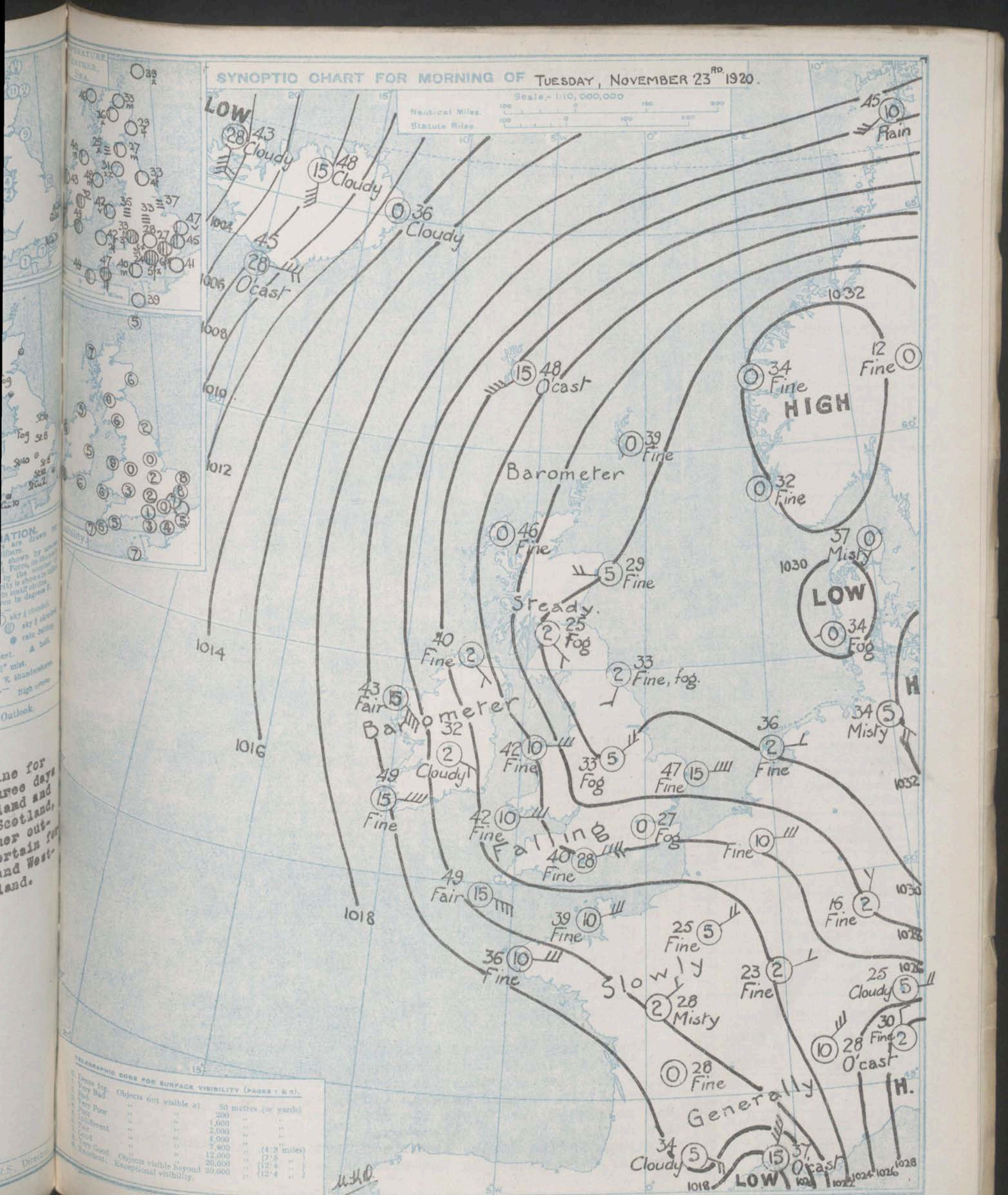
EXPLANATION.
SAROMETER.—Isobars are drawn at intervals of two millibars.
WIND.—Direction is shown by arrow flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in feet per hour by figures in small circles.
TEMPERATURE.—Is given in degrees C.
WEATHER SYMBOLS.
 ○ sky & clouded
 ○ sky & clear
 ○ overcast sky.
 * snow. * mist.
 = fog. K thunderstorm.
 T thunder.
SEA DISTURBANCE.— Rough. High wave.
 Further Outlook.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 23rd November 1920
1. S.E. England	Easterly wind, fresh to strong at times on the Coast; fine visibility fair to good; cold.
2. E. England	
3. E. Midlands	Moderate Easterly wind; fine, visibility fair to good; cold.
4. W. Midlands	
5. S.W. England	as 1 - 2
6. South Wales	
7. North Wales	Light to moderate Easterly wind; fine, visibility mainly fair to good, but some mist at night; cold.
8. N.W. England	
9. N. Midlands	
10. N.E. England	Light Southerly breezes; fine, visibility mainly fair to good but mist or fog at night; cold.
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	as 7 - 9
14. N. & N.W. Scotland	Light to moderate Southerly breezes; fair to fine, visibility fair to good; rather cold.
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	Moderate SE wind; fair to fine, visibility fair to good, rather cold.
19. S.E. Ireland	
20. S.W. Ireland	as 1 - 4

Fair to fine for two or three days over England and Eastern Scotland, but further outlook uncertain for Ireland and Western Scotland.

SYNOPTIC CHART FOR MORNING OF TUESDAY, NOVEMBER 23RD 1920.

Nautical Miles.
Statute Miles.



CLASSIFICATION CODE FOR SURFACE VISIBILITY (PAGE 1 & 2).			
Items for	Objects not visible at	50 metres (or yards)	
Very Bad	"	200	"
Bad	"	1,000	"
Very Poor	"	2,000	"
Poor	"	4,000	"
Good	"	7,800	" (4.8 miles)
Very Good	"	12,000	" (7.5 "
Excellent	Objects visible beyond	20,000	" (12.4 "
	Exceptional visibility	20,000	" (12.4 "

Tuesday
23rd NOVEMBERWEATHER, 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. 12h-2h.	Day. 2h-12h.	Sunrise to Sunset.	Forenoon.		Afternoon.	Max. °F.	Min. °F.	Night. 12h-2h.	Day. 2h-12h.			
Scotland.									England, N.W.								
Oban	b	b	49	34	-	-	5.2	Douglas (I.O.M.)									
Banff	bc.b	b	45	34	-	-	4.3	Blackpool	m	o.c.	37	26	-	-	1.0		
Montrose								Southport	xfo	o.c.o.f	35	27	-	-	6.0		
St. Andrews ...	x.	x.	38	29	-	-	3.0	Morcambe	x	x	36	28	-	-			
England, N.E.									Midlands.								
Harrogate	of	of	34	31	-	-	0.0	Buxton							0.0		
Scarborough ...								Leamington Spa...	of	of	32	24	-	-			
Skegness	b.	b	44	23	-	-	5.5	Malvern							6.3		
England, E.									Wales.								
Lowestoft								Bath	b.	b	40	28	-	-	6.0		
Felixstowe	b.	b	47	34	-	-	7.5	Rhyl	x.b	b	50	25	-	-	6.6		
Southend-on-Sea...	m.x.b.	b	49	32	-	-	7.1	Colwyn Bay	x	x	50	31	-	-	7.2		
England, S.E.									England, S.W.								
Tunbridge Wells	b.	b	48	29	-	-	7.2	Llandudno	b	b.	51	31	-	-	7.8		
Margate	b.	b	45	38	-	-	7.6	Aberystwyth ...	o.c.b	b.bc	52	34	-	-			
Ramsgate			47	40	-	-	7.5	Tenby									
Folkestone	b.	bc	48	35	-	-	7.0	Swansea							6.8		
Hastings	b.	b	48	35	-	-	7.8	Weymouth	b.	b	47	34	-	-	6.7		
Eastbourne	b.	b	48	32	-	-	7.6	Teignmouth ...									
Brighton	b.	b	48	33	-	-	7.4	Torquay	b.	b	52	46	-	-	6.1		
Worthing	b.	b	46	34	-	-	7.5	Paignton	b.	b	51	45	-	-	7.9		
Littlehampton ...	b.	b	48	30	-	-	7.0	Penzance	b.	b	53	47	-	-	7.2		
Portsmouth (S. theca)	x.	x.	47	35	-	-	7.2	Newquay	bz	bz	52	40	-	-	7.2		
Bournemouth ...	*	*	45	30	-	-	7.1	Bude	wxb.	b	51	37	-	-	6.9		
Ventnor (I. of W.)	*	*	48	42	-	-	7.4	Ilfracombe	b.	b	47	36	-	-	6.2		
								Weston-s-Mare ...	b.	b	41	29	-	-			

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				TEMP.		Rainfall. †	Sun.
	7h-12h.	12h-18h.	18h-22h.	22h-7h.	Max. F.	Min. F.		
Renfrew ...	o.b.f.	3fx	6-8fx	6-8fx	32	24	2.6	0.0
Eskdalemuir ...	b.a.f.	b.f.	bx	bx	45	21	1.4	7.2
Valencia (Cahire) ...	b.b.bc	b.bc.b.bc	b.bc	b.bc	53	45	4.0	5.8
Baldonnel ...	2.b.bc	b.bc.2f.	b.2f	x.b	50	29	2.5	6.1
Manchester (Alex. Pk.)	b.2f.6fx	6-8fx	6-8fx	6-8fx	32	21	1.5	0.0
Ross on Wye ...	o.b.f.x	o.b.f.x	o.b.f.x	o.b.f.x	33	27	3.1	0.0
Falmouth ...	b.b.c	b.b.b.2f.	b.bc.2f.	b.2f.	54	45	4.1	7.5
Calshot (Hants) ...	b.2f.2f.	2f.	2f.3f.	3fx	46	34	2.7	7.6
Lymington (Folkestone)	b.bc.2f.	b.b.c.2f.	b.b.c.2f.	b.2f.	46	32	2.9	7.9
Aberdeen ...	2f.2f.	2f.	2f.2f.	2f.2f.	44	28	1.9	4.5
Howden ...	6-8fx	6-8fx	6-8fx	6-8fx	34	29	2.9	0.0
Cranwell (Lincoln) ...	b.b.c.2f.	5fx	4-5fx	4-5fx	32	25	2.5	2.5
Felixstowe ...	b	2f.	b.bc.b.	1f.b.bc	49	35	0.0	7.0
Shoeburyness ...	x.f.	b.b.bc	b.bc.b.	b.b.c	49	28	2.3	6.5
Benson ...	b	b	b	2fx	37	20	2.0	0.0
S. Farnborough ...	x.o.b.f.	o.b.f.	b.c.b.	o.b.f.	31	22	1.9	0.0
London (Kew Obs.) ...	6-8fx	x.6-8fx	b.2f.2f.	6-8fx	37	24	2.2	0.0
Croydon ...	2f.2f.	2f.	b.b.c.2f.	b.2f.	43	24	0.0	0.0

BEAUFORT NOTATION.

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

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 20 feet above ground.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.4
1	1-3	0.4-0.8
2	4-7	0.8-1.6
3	8-13	1.6-3.2
4	14-18	3.2-4.8
5	19-24	4.8-6.4
6	25-31	6.4-8.0
7	32-38	8.0-9.6
8	39-46	9.6-11.2
9	47-54	11.2-12.8
10	55-63	12.8-14.4
11	64-75	14.4-17.6
12	Above 76	17.6 or above

SYMBOLS.

☉ Solar Ecl.
 ☽ Lunar Ecl.
 ☼ Solar Cor.
 ☾ Lunar Cor.
 ☼ Solar Cor.
 ☾ Lunar Cor.

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.						15h. G.M.T.	9h. G.M.T.
		24 HOURS ENDED 9H G.M.T. 23 rd							YESTERDAY.		TODAY.
Greenwich (Royal Observatory)	fx	bx	bm.x	45	28	21	0.3	6.1	78	83	
City (Bunhill Row) ...	"	"	"	"	"	"	"	0.0	"	"	
Westminster (St. James's Park)	"	"	"	47	35	28	-	0.0	69	77	
Regent's Pk. (Botanical Gdns.)	"	"	"	"	"	"	"	3.623	"	"	
Camden Sq. (British Rainfall)	bmb	b	"	41	31	25	-	"	84	89	
Kensington Palace ...	ofx	bc	"	43	30	24	-	"	90 (18h)	89	
Hampstead Observatory ...	"	"	"	44	35	30	Trace	6.3	"	77	

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday	172
Total	172
Average Rate	5.6
Maximum Rate	10

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

Stations.	23 rd AND 24 th NOVEMBER 1920.		
	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.29	11.31	3.49
Greenwich	7.24	11.27	3.44
Wick	8.20	11.55	3.39
Valencia	8.17	12.27	4.35

Photographic Record of

Pole Star (Polaris) and of δ Ursae

Minoris at Greenwich Observatory.

Exposure from 11.15 a.m. to 11.45 a.m.

Stars.	Duration of Exposure.		Duration of Record.		%
Polaris	h.	m.	h.	m.	
δ Ursae	13.	0	13.	0	100
Minoris	13.	0	12.	58	100

NOTES ON THE WEATHER OF YESTERDAY.

Sharp frost occurred again, the minimum being 20° at Benson and 21° at Eskdale and Manchester. The temperature even fell below the freezing point at many coast stations in England and Scotland, in Ireland however conditions were relatively mild. Fog persisted throughout the day in many places but at Yarmouth and Holyhead the air became exceptionally clear. At a few stations in the North, there was little bright sunshine, but over England generally the records were very good.

* Information for these columns not usually received.

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

1920.

Max.	Min.
41	36
48	46
55	46
61	56
63	57
67	57
70	54
75	55

Weather. Sea 0-2.

rain-
r
roach-
rly
in
ther
2mm);
ed
at
orne
E. &



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON: BRITISH SECTION. No. B24552. WEDNESDAY, 24TH NOVEMBER 1920.

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

STATIONS.	BAROM. at M.S.L.		WIND. 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.	BAROM. at M.S.L.		WIND. 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.									
	mb.	Change in 3 hours.									Form.	Amt. 0-10.	Form.	Amt. 0-10.		mb.	Change in 3 hours.									Form.	Amt. 0-10.	Form.	Amt. 0-10.		Form.	Amt. 0-10.							
13H. G.M.T. 23 RD																														18H. G.M.T. OF 23 RD									
Renfrew ...	1028.5	-3	-	0	07fe	26	97	0	4500	St	10	-	-	-	-	1027.0	0	-	0	b	26	97	1	-	-	-	-	-	-	-	X								
Esksdalemuir ...	1028.0	-2	NNE	1	b7z	47	45	7	-	-	-	-	-	-	-	1027.5	0	N	2	bz	35	65	7	-	-	-	-	-	-	-	-								
Valencia (Cahire'n)	1016.6	-3	NNE	3	b2	52	65	7	3000	St	3	-	-	-	-	1014.1	-2	ESE	4	b7z	49	75	6	3,000	St	6	-	-	-	-	3								
Baldonnel	1022.5	-5	E	3	b7f	50	55	6	-	-	-	-	-	-	-	1020.8	-2	E	1	b7z	44	65	4	4,200	Cu	1	-	-	-	-	-								
Manchest' (Manc' Pk)	1026.7	-4	SSE	3	b3f	44	85	3	-	-	-	-	-	-	-	1025.1	-1	ENE	3	c3f	41	85	3	-	-	-	-	-	-	-	X								
Ross on Wye	1024.5	-5	ENE	2	b2	41	85	5	-	-	-	-	-	-	-	1022.5	-2	E	2	b7z	37	85	5	-	-	-	-	-	-	-	-								
Falmouth ...	1019.4	-5	ENE	5	c2fe	48	85	5	-	St	8	-	-	-	-	1017.0	-1	ESE	6	b7z	47	75	5	-	St	2	-	-	-	-	-								
Calshot (Hants)	1022.8	-2	E	4	b7f	46	65	6	-	-	-	-	-	-	-	1021.3	-2	E	4	b	41	75	6	-	-	-	-	-	-	-	-								
Lympe (Folkestone)	1023.9	-4	E	4	b7z	43	55	6	-	-	-	-	-	-	-	1022.0	-3	E	4	b7z	37	75	5	-	-	-	-	-	-	-	-								
Aberdeen ...	1029.7	-2	W	1	b4f	40	75	2	-	-	-	-	-	-	-	1028.8	0	WSW	1	b7fe	33	97	2	-	-	-	-	-	-	-	2								
Howden ...	1028.4	-3	-	0	06fe	35	97	1	4500	St	10	-	-	-	-	1026.7	0	ENE	1	bm	37	92	4	5,200	-	-	-	-	-	-	3								
Cranwell (Lincoln)	1027.6	-3	NNE	1	b2f	38	92	4	1,250	St	1	-	-	-	-	1025.5	-1	ENE	3	b	40	85	5	-	-	-	-	-	-	-	X								
Felixstowe	1026.2	-4	ENE	4	b	49	65	8	-	-	-	-	-	-	-	1024.3	-2	E	5	b	47	65	7	-	-	-	-	-	-	-	-								
Shoeburyness	1024.9	-3	E	2	b	48	65	7	-	-	-	-	-	-	-	1022.6	-2	E	2	b	41	75	7	-	-	-	-	-	-	-	-								
Benson	1023.6	-3	NE	2	b	43	75	5	-	-	-	-	-	-	-	1022.3	-1	E	1	b	38	75	4	-	-	-	-	-	-	-	-								
S. Farnborough	1023.7	-5	ENE	3	b7z	39	85	2	4500	St	5	-	-	-	-	1022.1	-2	ENE	2	b7fe	34	85	5	4500	St	2	-	-	-	-	-	X							
London (Kew Obs.)	1023.8	-6	ENE	2	bm	41	75	2	4500	St	3	-	-	-	-	1022.0	-2	ENE	2	b7z	40	75	3	-	-	-	-	-	-	-	-	X							
Croydon	1024.5	-2	E	4	b7z	46	65	5	-	-	-	-	-	-	-	1022.6	-2	E	4	b7z	36	75	5	-	-	-	-	-	-	-	-	-							
1H. G.M.T. OF 24 TH																														7H. G.M.T. OF 24 TH									
Renfrew	1024.3	-4	N	2	b	30	75	5	-	-	-	-	-	-	-	1019.7	-3	E	4	b7f	39	92	6	1,250	St	2	-	-	-	-	X								
Esksdalemuir	1010.0	0	ESE	5	b7z	45	85	4	-	-	-	-	-	-	-	1019.5	-3	N	4	02f	33	92	4	-	St	9	-	-	-	-	-								
Valencia (Cahire'n)	1016.6	-4	E	4	b	42	65	4	-	-	-	-	-	-	-	1016.5	-1	E	4	0	47	75	7	4,200	St	10	-	-	-	-	X								
Baldonnel	1016.6	-4	E	4	b	42	65	4	-	-	-	-	-	-	-	1015.4	-5	-	0	bx	32	85	5	3,000	St	1	-	-	-	-	-								
Manchest' (Manc' Pk)	1014.6	-7	ENE	4	b7z	40	85	4	-	-	-	-	-	-	-	1013.1	-5	ENE	3	03f	33	97	2	4500	St	10	-	-	-	-	-								
Ross on Wye	1013.1	-5	ENE	3	03f	33	97	2	4500	St	10	-	-	-	-	1010.6	-6	NE	6	09	46	85	6	-	St	10	-	-	-	-	-								
Falmouth	1012.6	-4	ESE	5	b	47	75	7	-	St	2	-	-	-	-	1011.1	-5	E	4	b7z	39	92	4	-	-	-	-	-	-	-	-								
Calshot (Hants)	1016.3	-6	ENE	4	b7z	37	85	4	-	-	-	-	-	-	-	1013.8	-2	SE	4	c7m	35	75	5	-	-	-	-	-	-	-	-								
Lympe (Folkestone)	1017.5	-5	NE	3	b7z	35	85	4	-	-	-	-	-	-	-	1013.4	-3	W	2	b7z	32	97	1	-	-	-	-	-	-	-	2								
Aberdeen	1021.5	-3	ENE	1	ome	39	97	1	2,000	St	8	Ast	1	-	-	1016.7	-3	ENE	3	b	38	92	7	2,000	St	2	-	-	-	-	-								
Howden	1020.7	-2	ENE	3	05fe	37	97	1	2,000	St	1	-	-	-	-	1016.4	-3	E	3	b	36	92	5	3,000	St	2	-	-	-	-	-								
Cranwell (Lincoln)	1019.3	-4	E	4	b	35	75	8	-	-	-	-	-	-	-	1016.2	-1	ESE	4	b7z	42	75	6	4,200	Cu	6	-	-	-	-	3								
Felixstowe	1019.3	-4	E	4	b	35	75	8	-	-	-	-	-	-	-	1016.2	-1	ESE	4	b7z	42	75	6	4,200	Cu	6	-	-	-	-	-								
Shoeburyness	1019.3	-4	E	4	b	35	75	8	-	-	-	-	-	-	-	1016.2	-1	ESE	4	b7z	42	75	6	4,200	Cu	6	-	-	-	-	-								
Benson	1019.3	-4	E	4	b	35	75	8	-	-	-	-	-	-	-	1016.2	-1	ESE	4	b7z	42	75	6	4,200	Cu	6	-	-	-	-	-								
S. Farnborough	1019.3	-4	E	4	b	35	75	8	-	-	-	-	-	-	-	1016.2	-1	ESE	4	b7z	42	75	6	4,200	Cu	6	-	-	-	-	-								
London (Kew Obs.)	1019.3	-4	E	4	b	35	75	8	-	-	-	-	-	-	-	1016.2	-1	ESE	4	b7z	42	75	6	4,200	Cu	6	-	-	-	-	-								
Croydon	1019.3	-4	E	4	b	35	75	8	-	-	-	-	-	-	-	1016.2	-1	ESE	4	b7z	42	75	6	4,200	Cu	6	-	-	-	-	-								
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																																							
STATIONS.	BAROM. at M.S.L.		TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.																	
	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 23 RD																									7H. G.M.T. OF 24 TH					24 HOURS ENDED 7H. 24 TH					23 RD				
Lerwick	1028.9	40	-	0	b	1028.5	-3	44	+5	-	0	-	-	-	0	0.2	47	42	b	b	bx	X																	
Stornoway	1025.0	40	-	0	b	1019.6	-2	42	+4	E	1	-	-	-	0	-	51	37	b	b	b	5.0																	
Castellbay (Barrals)	1023.5	52	ESE	4	b	1019.6	-2	42	+4	E	1	-	-	-	0	-	53	47	bm.bz	bz.b	bz.b	5.9																	
Main Head	1021.5	45	SE	2	bm	1019.6	-2	43	+3	SE	2	-	-	-	2	-	47	29	bm	bm	bm	6.7																	
Blackod Point	1017.0	48	SE	4	b	1009.0	-2	45	+2	SE	4	-	-	-	4	-	56	43	b	b	b	0																	
Roche's Point	1017.3	49	ESE	4	bc	1008.4	-4	48	-1	SE	4	-	-	-	5	-	51	47	c.bcz	bc	abc	0																	
Bir Castle	1018.3	44	SE	2	b	1010.9	-	3.9	+7	SE	1	-	-	-	0	-	50	32	z.b	z.b	bcx	7.3																	
Doughadee	1023.8	50	SSE	3	bm	1018.8	-4	45	-3	SE	4	-	-	-	4	-	51	44	bm.	bm	bm	0																	
Liverpool (Bidston)	1023.3	39	ESE	2	f	1014.1	-4	37	+2	ESE	2	-	-	-	2	-	43	35	m.	f.	bm.x	1.5																	
Holyhead	1021.4	46	E	6	bz	1012.4	-4	41	-1	E	6	-	-	-	4	-	50	38	bz	b.b.c.b	b.b.c.b	6.1																	
Pembroke (St. Mary's)	1018.9	46	E	5	bm	1010.0	-4	38	-4	E	4	-	-	-	4	-	47	37	bm	bm	bm om	6.4																	
Scilly (St. Mary's)	1015.6	47	SE	5	bc	1005.2	-5	48	-1	ESE	4	-	-	-	5	-	51	46	bc.	bc	b.b.c	6.5																	
Jersey (St. Aubin)	1018.9	40	ENE	4	b	1007.6	-3	42	+3	E	5	-	-	-	4	-	42	35	b.	bm	bm.s	7.3																	
Portland Bill	1019.0	45	ENE	6	bc	1008.7	-6	42	+2	ENE	6	-	-	-	5	-	48	38	bm.	bm.bc	bc.b	0																	
Dungeness	1021.6	43	E	3	b	1003.5	-3	39	-2	SE	4	-	-	-	3	-	46	39	b.	b	b.b.c	0																	
Wick	1027.0	47	S	2	b	1022.7	-3	48	+15	SSE	3	-	-	-	2	-	48	27	bm.b	b	bm.b	0																	
Nairo	1027.3	30	-	0	b	1021.9	-2	27	+1	-	0	-	-	-	0	-	34	24	bx.	bxm	bcx	6.6																	
Leith	1027.3	37	E	1	b	1019.9	-2	40	+13	E	1	-	-	-	1	0.3	43	25	bm.f.c	cmf.e.b	bm.bz.b	0																	
Tynemouth	1028.0	43	ENE	1	fe	1019.3	-3	47	+14	ESE	3	-	-	-	3	0.4	47	32	f.	om	b.b.c	0																	
Spurn Head	1026.1	47	E	3	bv	1016.3	-4	46	+9	E	4	-	-	-	2	0.1	49	33	bv.	bv	b	0.9																	
Falmouth	1024.6	46	E	5	b	1016.2	-3	45	-2	SE	5	-	-	-	3	-	50	44	b.	bc.b	b	0.9																	
Clacton-on-Sea	1023.2	46	E	3	b	1015.1	0	43	-2	ESE	4	-	-	-	3	-	49	42	bc.	bc.b	b.bcz	7.0																	
Nottingham	1024.8	38	E	1	c	1015.0	-	35	+2	E	2	-	-	-	0	-	40	32	fe.bm	bm.f.c	bc.b	1.0																	

* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

‡ For code see page 3

§ See footnote p. 4.

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 24.11.20.

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.	V. poor.	Slight.	7	23 rd	0400	51	48
2. E. England	Fair to fine, misty.	Indiff.	"	4A	23 rd	0430	40	37
3. E. Midlands	Fine to dull, mist or fog	Poor	-	12	23 rd	0530	52	51
4. W. Midlands	Fair to dull, foggy.	V. poor.	-	5	23 rd	0903	53	47
5. S.W. England	Fair to dull.	Fair	R. rough	3	23 rd	1025	53	53
6. South Wales	Dull, misty.	"	Moderate	1	23 rd	1328	56	48
7. North Wales	Fine, misty.	"	"	6	23 rd	1458	55	44
8. N.W. England	Fair, mist or fog.	Indiff.	Slight					
9. N. Midlands	Fine, misty.	"	-					
10. N.E. England	Fine, some mist.	Good	Slight					
11. E. Scotland	Fine, local fog.	Indiff.	Smooth					
12. S.W. Scotland	Fine, mist or fog.	"	Slight					
13. Isle of Man	Fair.	"	Moderate					
14. N. & N.W. Scotland	Fine	Good	V. smooth					
15. Hebrides	Fine.	"	"					
16. Orkneys and Shetlands	Fine to cloudy	Poor	"					
17. N.W. Ireland	Fair	Good	Moderate.					
18. N.E. Ireland	Fair, misty	Fair	Slight.					
19. S.E. Ireland	Fair to cloudy	Indiff.	R. rough.					
20. S.W. Ireland	Dull to cloudy	Good	Moderate					

CHART OF POSITION NUMBERS and Upper Cloud

Isallobars.

Lower Cloud.

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

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 small circles.

TEMPERATURE.—Is given in degrees F.

WEATHER SYMBOLS.—sky & cloud, clear sky, sky & cloud, overcast sky, rain falling, snow, sleet, mist, fog, thunder, thunderstorm, High, Low.

SEA DISTURBANCE.—Rough, High, Low.

GENERAL INFERENCE from observations received up to 9h.

A large depression is centred off our South-west Coasts and is likely to move Eastward. Winds will be mainly between SE and NE and will maintain cold weather. An early development of unsettled conditions may be expected over Southern England.

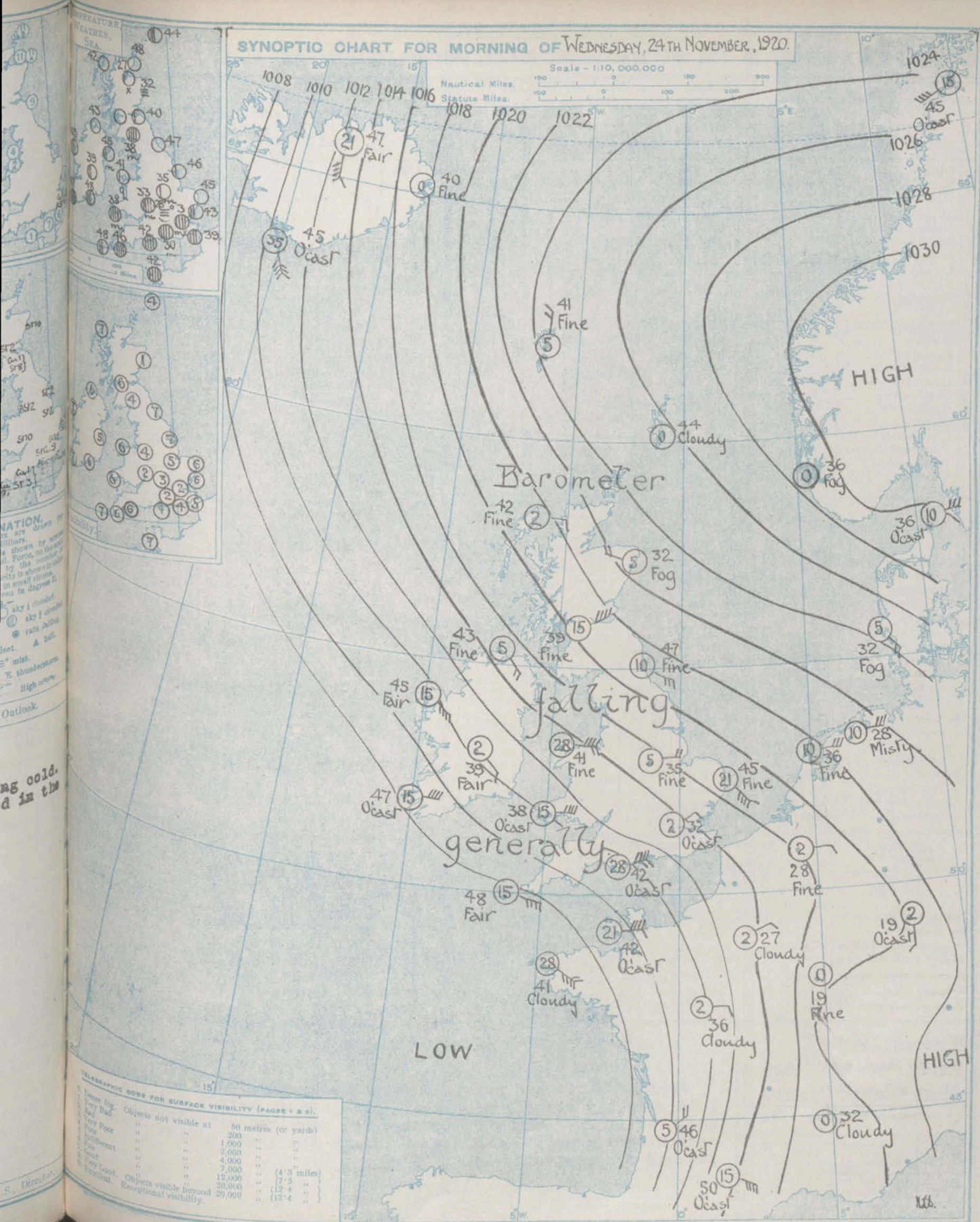
Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Wednesday, 24th Nov. 1920
1. S.E. England	Wind Easterly moderate or fresh, strong in places; fair at first, probably some rain later; visibility indifferent to fair; cold.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	Wind mainly Easterly, moderate, fresh at times; mainly fair or fine; visibility indifferent to fair, some mist, cold.
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Wind Easterly moderate or fresh, cloudy or overcast, perhaps some rain later; visibility fair; cold.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	Wind Easterly moderate or fresh, cloudy or overcast, perhaps some rain later; visibility fair; cold.
20. S.W. Ireland	

Continuing cold. Unsettled in the South.

SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 24TH NOVEMBER, 1920.

Scale - 1:10,000,000

Nautical Miles
Statute Miles.



15

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)

Page 1 of 2

Very Bad

Obtain

SURFACE VISIBILITY (PAGE 2 OF 2)		
Very Good	Objects not visible at	50 metres (or yards)
Good	"	200 "
Fair	"	1,000 "
Fairly Poor	"	2,000 "
Poor	"	4,000 "
Very Poor	"	7,000 "
Exceptional	"	12,000 "
	Objects visible beyond	20,000 "
	Exceptional visibility	20,000 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920, No. 329

Wednesday
24th November

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR																		
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 18h-9h. 23 ⁰⁰	Day. 9h-18h. 23 ⁰⁰	Sunrise to Sunset. 23 ⁰⁰				Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 24h-23h. 23 ⁰⁰	Day. 23h-24h. 23 ⁰⁰	Sunrise to Sunset. 23 ⁰⁰
Scotland.	Oban	b.	b	54	30	-	-	6.1	England, N.W.	Douglas (I.O.M.)								
	Banff	bx	bx	43	23	-	-	6.5		Blackpool								0.0
	Montrose									Southport	of.	o.c.bc.b	38	28	-	-		
	St. Andrews									Morecambs								
England, N.E.	Harrogate	of.	bc.b	38	30	0.3	-	1.7	Midlands.	Buxton								5.0
	Scarborough	m.	m	47	35	-	-	1.0		Leamington Spa	b.	bc	46	25	-	-		4.2
	Skegness	xm.b	b	49	25	0.2	-	6.5		Malvern	m.bc	bc.b	42	31	-	-		4.7
	Lowestoft									Bath	o.c.bc.b	b.	42	28	-	-		6.3
England, E.	Felixstowe	b.	b	43	40	-	-	7.8	Wales.	Rhyl	b	b	46	32	-	-		6.8
	Southend-on-Sea	b	b	50	35	-	-	7.2		Colwyn Bay	x.	x.	47	30	-	-		6.8
										Llandudno	b.	b	49	33	-	-		5.0
										Aberystwyth	o.c.bc	c.o	48	38	-	-		
England, S.E.	Tunbridge Wells	b.	b	47	35	-	-	6.7	England, S.W.	Tenby								4.9
	Margate	b.	b	48	42	-	-	7.1		Swansea								
	Ramsgate	*	*	47	42	-	-	7.2		Weymouth	bc.b.	b.bc	46	34	-	-		0.3
	Folkestone	b.	b	49	40	-	-	6.8		Teignmouth								0.0
	Hastings	b.	b	46	35	-	-	6.9		Torquay	c.bc.	c.	48	37	-	-		3.0
	Eastbourne	b.	b	46	33	-	-	7.4		Paignton	o	o	49	33	-	-		5.0
	Brighton	b.	b	46	36	-	-	6.5		Penzance	bcz	bc.b	51	47	-	-		7.0
	Worthing	b.	b	45	35	-	-	6.8		Newquay	bz	bz	47	39	-	-		6.4
	Littlehampton	b.	b	47	33	-	-	6.0		Bude	xc.bc.b	b	45	33	-	-		3.4
	Portsmouth (Sibson)	x.	x.	46	35	-	-	6.6		Ilfracombe	b.	b	45	38	-	-		
	Bournemouth	*	*	45	31	-	-	6.0		Weston-s-Mare	m.bc.b	bm	43	30	-	-		
	Ventnor (I. of W.)	*	*	47	40	-	-	6.8										

SUMMARIES FOR PAST 24 HOURS.											THE BEAUFORT SCALE WIND FORCE.				
STATIONS.		WEATHER.					Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL. †		Sun. Hours.	Limits of Velocity at about 30 feet above ground.		
		7h-13h.	13h-18h.	18h-24h.	7h-13h.	13h-18h.				Day. 7h-13h.	Night. 13h-24h.		No.	Statute miles per hour.	Metres per second.
Renfrew ...	...	6-8f. v	6-8f. x.	b. 4-5 f.	b. 2 f.	40	23	20	-	-	0.0	b blue sky (not more than a quarter covered).	0	Less than 1	Less than 0.7
Eskdalemuir ...	...	bif.	bif.	bif.	b. 0	47	30	25	0.1	-	6.9	bc sky partly cloudy (one half covered).	1	1-8	0.9-1.3
Valencia (Cabrera) ...	...	b. bc. b. bc.	15. b. bc.	bc. c. z.	c. 0	52	47	42	-	-	5.9	c generally cloudy (three quarters covered).	2	4-7	1.4-1.9
Baldonnel ...	...	xzf b. bc.	b. bc. 2 f.	b. 2 f.	x b	51	32	23	-	-	7.4	d drizzle, or fine rain.	3	8-12	2.2-2.9
Manchester (Alex. P.W.)	...	6-8f. b. bc.	b. bc. 2 f.	bc. c. 3 f.	b. bc. 2 f.	45	27	27	0.2	-	8	e wet air without rain falling.	4	13-18	3.6-4.7
Ross on Wye ...	...	6-8f. b. bc.	b. 2 f.	bx. b. 0. 0 f.	bx. b. 0. 0 f.	47	30	25	-	-	?	f fog. g gloom.	5	19-24	5.3-7.2
Falmouth ...	...	c. 0. 2 f.	bc. 15. 4 f.	b. bc.	b. 0	50	45	40	-	-	2.3	h hail. i lightning.	6	25-31	8.0-10.7
Calshot (Hants) ...	...	b. 2 f.	b. 2 f.	b. 2 f.	b. 2 f.	46	34	31	-	-	7.0	m mist. o overcast sky.	7	32-38	10-12.5
Lymington (Folkestone) ...	...	b. bc. 2 f.	b. bc. 2 f.	b. 2 f.	b. bc. c. 2 f.	43	30	20	-	-	7.4	p passing showers.	8	39-46	12.8-12.9
Aberdeen ...	...	15. 5 f.	5 f. 3 f.	4. 5 f. 3 f.	4. 5 f. x.	42	28	27	-	-	3.3	q squalls. r rain.	9	47-64	12.9-17.1
Howden ...	...	0. 1	c. 0. 2 f.	2 f. x.	2 f. b. bc.	41	29	27	-	-	0.2	s sleet, i. e., rain and snow together.	10	65-63	17.2-20.7
Cranwell (Lines) ...	...	0. 5 f. b. bc.	b. bc. b. bc.	4. 5 f.	3 f. bx.	42	26	29	-	0.4	5.1	* snow. t thunder.	11	64-75	20.8-24.4
Felixstowe ...	...	b. bc. b. bc.	bc. c. b.	b.	b. bc.	49	41	x	-	-	7.7	u ugly, threatening sky.	12	Above 75	24.5-25.4
Shoeburyness ...	...	b. bc. b.	b.	b. bc.	b. bc. c.	49	36	31	-	-	7.4	v unusual visibility.			25.0-28.5
Benson ...	...	2 f. b.	b.	b.	3 f. x.	44	25	17	-	-	*	w dew. x hoar frost.			28.6-33.0
S. Farnborough ...	...	0. 5 f. b. bc.	3 f. b. bc. 2 f.	b. bc. x.	0. 3 f. x.	43	19	16	0.4	-	4.5	y dry air; humidity less than 60 per cent.			33.0-38.0
London (Kew Obs.) ...	...	16. 2 f. 3 f.	2. 3 f.	bx. c. 3 f.	b. 2 f. x.	44	24	21	Trace	Trace	1.7	z dust haze; the turbid atmosphere of dry weather.			
Croydon ...	...	5 f. 3 f. 2 f.	b. b. bc. 2 f.	b. 2 f. x.	b. 0. 2 f. 3 f.	46	25	x	Trace	Trace	2	Capital letters indicate intensity, and repetition of letters continuity, thus:- R = heavy rain. tr = continuous moderate rain. r. r. = continuous light rain.			

LONDON OBSERVATIONS.													
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	
		Morning.	Afternoon.	Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rain-fall. mm.	Sunshine to Sunset. Hours.	15 h. G.M.T.	9 h. G.M.T.	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	
Greenwich (Royal Observatory)		b.	b.bc	bcxm	48	29	19	0.3	6.1	64	79	Total 195 Joules. Average Rate 6.4 Maximum Rate 13	
		*	*	*	49	35	27	-	1.9	60	72		
		*	*	*	48	29	22	-	68	81	78		
		*	*	*	47	29	20	-	80 (18h)	78	80		
City (Sunhill Row)		b.	b.bc	bcxm	48	29	19	0.3	6.1	64	79	Total 195 Joules. Average Rate 6.4 Maximum Rate 13	
		*	*	*	49	35	27	-	1.9	60	72		
		*	*	*	48	29	22	-	68	81	78		
		*	*	*	47	29	20	-	80 (18h)	78	80		
Westminster (St. James's Park)		b.	b.bc	bcxm	48	29	19	0.3	6.1	64	79	Total 195 Joules. Average Rate 6.4 Maximum Rate 13	
		*	*	*	49	35	27	-	1.9	60	72		
		*	*	*	48	29	22	-	68	81	78		
		*	*	*	47	29	20	-	80 (18h)	78	80		
Ragats Pk (Botanical Garden)		b.	b.bc	bcxm	48	29	19	0.3	6.1	64	79	Total 195 Joules. Average Rate 6.4 Maximum Rate 13	
		*	*	*	49	35	27	-	1.9	60	72		
		*	*	*	48	29	22	-	68	81	78		
		*	*	*	47	29	20	-	80 (18h)	78	80		
Camden Sq. (British Museum)		b.	b.bc	bcxm	48	29	19	0.3	6.1	64	79	Total 195 Joules. Average Rate 6.4 Maximum Rate 13	
		*	*	*	49	35	27	-	1.9	60	72		
		*	*	*	48	29	22	-	68	81	78		
		*	*	*	47	29	20	-	80 (18h)	78	80		
Kensington Palace		b.	b.bc	bcxm	48	29	19	0.3	6.1	64	79	Total 195 Joules. Average Rate 6.4 Maximum Rate 13	
		*	*	*	49	35	27	-	1.9	60	72		
		*	*	*	48	29	22	-	68	81	78		
		*	*	*	47	29	20	-	80 (18h)	78	80		
Hampstead Observatory		b.	b.bc	bcxm	48	29	19	0.3	6.1	64	79	Total 195 Joules. Average Rate 6.4 Maximum Rate 13	
		*	*	*	49	35	27	-	1.9	60	72		
		*	*	*	48	29	22	-	68	81	78		
		*	*	*	47	29	20	-	80 (18h)	78	80		

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21,553

THURSDAY, 25th NOVEMBER, 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 10, 7H, 12H AND 12H.

STATIONS.	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 0-10.	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 0-10.									
			Dirac.	Force 0-12.					Form.	Am't. 0-10.	Form.	Am't. 0-10.				Dirac.	Force 0-12.					Form.	Am't. 0-10.	Form.	Am't. 0-10.										
12H. G.M.T. OF 24 TH																										12H. G.M.T. OF 24 TH									
Renfrew ...	1015.0	-6	E	4	bczf	45	92	4	1,250	Scu	3	cu	2	1012.1	-3	NE	6	bczf	44	85	5	1,250	Scu	2	cu	3	1								
Eskdalemuir ...	1014.5	-5	ENE	4	bc	44	75	7	-	cu	2	cu	2	1013.5	0	ENE	4	bcu	41	85	5	-	-	ast	5	-									
Valencia (Cahire'n)	1002.5	-5	ENE	4	oz	46	75	7	4,200	Scu	1	ast	8	1001.3	-1	E	4	b	43	75	7	4,200	Scu	1	cu	1	3								
Baldonnel ...	1007.1	-6	E	3	ozf	46	75	4	1,250	St	10	-	-	1005.4	-3	-	0	otzf	44	92	3	4,500	mb	10	-	-	8								
Manchester (Alex. Pk.)	1011.9	-4	ESE	5	bczf	45	65	4	-	-	-	cu	6	1010.4	-1	E	5	bczf	41	75	3	9,000	-	cu	6	-	2								
Ross on Wye ...	1009.6	-4	E	3	om	39	85	4	2,000	St	1	ast	9	1008.1	-2	E	3	ozf	44	85	4	750	St	10	-	-	8								
Falmouth ...	1001.1	-6	ESE	6	otzf	48	85	6	-	mb	10	-	6	1000.2	+1	SW	4	otzf	49	92	5	-	mb	8	-	-	8								
Calshot (Hants) ...	1008.8	-3	SE	6	bczf	49	85	6	300	St	5	ast	6	1009.1	+2	SSE	5	otzf	49	92	6	3,000	Scu	4	ast	6	5								
Lymington (Folkestone)	1013.5	-1	SE	3	bczf	43	75	5	-	-	cu	2	-	1013.3	+1	SE	4	ozf	43	75	5	-	-	ast	7	-	8								
Aberdeen ...	1020.0	-4	E	3	bczf	45	97	7	1,250	St	6	-	-	1018.1	-2	SE	5	bczf	46	85	7	750	St	4	-	-	4								
Howden ...	1014.2	-3	ESE	4	cif	46	85	5	3,000	St	2	cu	5	1013.1	0	ESE	2	ow	39	92	4	3,000	St	2	cu	7	8								
Cranwell (Lincoln)	1014.6	-2	ESE	3	c	42	85	5	4,200	St	1	cu	7	1013.6	0	E	3	c	37	85	4	500-1,000	Stu	2	ast	6	8								
Felixstowe ...	1014.9	-1	SE	4	bif	45	75	6	-	-	-	ast	3	1014.0	-0	SE	4	bif	45	85	6	-	-	cu	1	-	8								
Shoeburyness ...	1013.2	-2	ESE	3	bczf	44	65	5	-	-	-	cu	2	1012.9	0	SE	5	b	42	85	7	-	-	ast	2	-	8								
Benson ...	1010.1	-2	ESE	2	bc	40	75	4	-	-	-	cu	5	1009.3	0	E	4	bc	41	75	4	-	-	ast	5	-	8								
S. Farnborough ...	1010.8	-1	ENE	3	czf	42	75	4	-	-	-	ast	7	1010.5	0	E	4	om	42	85	5	1,250	Stu	1	ast	6	-	8							
London (Kew Obs.)	1011.6	-3	NE	2	bczf	41	75	2	4,500	St	3	cu	1	1011.3	0	ESE	3	ozf	42	85	3	1,250	St	6	cu	4	-	8							
Croydon ...	1012.3	-1	E	4	bczf	45	75	5	-	-	-	ast	3	1012.4	0	SE	4	ozf	42	75	4	-	-	cu	9	-	8								
1H. G.M.T. OF 25 TH																										7H. G.M.T. OF 25 TH									
Renfrew ...	1011.6	-2	ENE	4	bcu	38	82	4	-	-	-	ast	4	1009.6	-1	ESE	4	ozf	45	92	3	2,000	St	9	-	-	8								
Eskdalemuir ...	1002.9	+2	SSW	2	bc	45	-	-	-	-	-	ast	2	1008.1	+7	SSW	3	otf	48	85	6	2,000	St	10	-	-	8								
Valencia (Cahire'n)	1004.0	+1	ESE	1	bc	45	92	4	2,000	St	2	ast	2	1004.4	+2	ESE	2	c	48	85	5	1,250	St	8	-	-	8								
Baldonnel ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1012.4	+4	SE	3	bczf	42	92	3	3,000	cu	1	ast	1	-	8							
Manchester (Alex. Pk.)	-	-	-	-	-	-	-	-	-	-	-	-	-	1013.4	+4	SSW	1	b	45	97	6	4,200	Stu	1	-	-	8								
Ross on Wye ...	1010.9	+4	SSW	4	bv	51	85	9	-	cu	1	-	-	1011.6	+4	S	1	bc	51	92	7	-	-	ast	4	-	8								
Falmouth ...	1012.4	+4	SSW	4	b	51	92	8	2,000	St	2	-	-	1015.7	+4	SSW	3	bif	49	97	7	2,000	St	2	-	-	3								
Calshot (Hants) ...	1013.2	+3	SSE	3	ozf	46	97	4	-	-	-	ast	9	1012.8	+3	S	3	otf	48	92	5	1,250	Stu	10	-	-	8								
Lymington (Folkestone)	-	-	-	-	-	-	-	-	-	-	-	-	-	1013.8	0	SSE	4	otf	47	75	5	1,250	St	10	-	-	4								
Aberdeen ...	1012.7	-1	SE	2	bczf	37	92	4	5,700	-	-	ast	1	1014.8	+2	SSE	1	otf	40	97	4	750	St	10	-	-	8								
Howden ...	1013.8	0	SSW	3	b	36	92	5	3,000	St	2	-	-	1015.6	+4	SSW	3	otf	38	97	1	4,500	St	10	-	-	8								
Cranwell (Lincoln)	1015.8	+2	S	4	bczf	46	92	6	-	-	-	ast	4	1017.9	+2	S	1	bif	46	97	6	4,200	Stu	3	-	-	3								
Felixstowe ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1017.3	+2	S	1	b	44	92	6	4,200	Stu	2	-	-	8								
Shoeburyness ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1014.8	+2	SSE	3	o	48	92	5	-	-	St	9	-	-	8							
Benson ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1017.9	+3	SSE	1	otf	47	92	5	3,000	Stu	10	-	-	8								
S. Farnborough ...	1013.8	+2	-	-	-	-	-	-	-	-	-	-	-	1016.2	+4	SSE	2	b	46	92	5	7	Stu	1	-	-	8								
London (Kew Obs.)	1014.5	+4	SE	3	otf	46	92	5	2,000	St	10	-	-	1016.9	+3	SE	3	bczf	48	92	4	1,250	Stu	1	-	-	8								
Croydon ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								

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 2 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
12H. G.M.T. of 24 th						7H. G.M.T. of 25 th						24 HOURS ENDED 7H. 25 th						24 th			
Lerwick	1022.7	45	SE	3	c	1016.5	-3	46	+2	SE	6	-	o	4	-	48	44	b.	b	c. o	*
Stornoway	1013.1	45	E	4	bif	1005.8	-2	47	+3	SE	6	-	bcq	5	-	49	42	b.	b	b. bcq	4.9
Castlebay (Barr. 1st)	1010.2	50	E	4	e	1004.4	-1	53		SE	5	-	o	6	-	53	47	bc. b	bc	c. o	4.5
Malin Head	1005.4	46	ESE	3	cm	1003.4	0	40	+3	S	3	S	cm	3	1	48	42	c.	c	cm	3.1
Blackhead	1003.3	44	SE	2	bc	999.3	-2	40	-5	SE	3	-	c	2	-	54	40	bc	bc	bc. bc.	*
Roche's Point	1002.3	42	E	3	b	1007.0	+5	50	+2	SW	3	-	o	4	0.4	51	37	cz	ogz. bz	bw. o	*
Birr Castle	1004.1	43	ESE	1	c	1004.4	*	47	+5	ESE	1	-	c	*	0.2	44	35	bcz. c	cz. o.	of. c.	1.3
Donaghadee	1009.2	47	ESE	7	bcuq	1008.1	+4	45	0	SW	3	-	bm	4	1	50	45	bcu	bcuq	bcuq. mp	1.0
Liverpool (Bidston)	1008.7	41	ESE	2	m	1011.1	+3	42	+5	ESE	3	-	b	3	-	48	37	bm	bm	bc. b.	1.4
Holyhead	1005.4	44	E	6	cgzf	1008.6	+2	50	+9	S	5	-	bc	4	Trace	52	40	b. bcq.	bc. o. c.	scd. c.	1.3
Pembroke (St. Ann's Head)	1001.5	47	E	6	ot. g. z. f.	1009.7	+3	53	+15	SSW	4	-	bc	4	1	53	38	ogm	ogm	odm. c.	0.0
Scilly (St. Mary's)	1001.0	48	W	2	bc	1009.9	+3	52	+4	S	2	S	bcif	4	-	53	48	bc. c	cm. bc	b. bc	0.4
Jersey (St. Aubin)	1007.2	51	SE	7	c	1015.8	+2	50	+8	S	3	S	b	3	0.1	52	42	o. c. o	o. c. d. p. c.	cd. pb	0.8
Portland Bill	1005.0	52	SE	8	bc	1013.8	+5	53	+11	SSW	5	SW	bc	6	3	55	42	o. c.	c. bc.	r. c. g. bc.	*
Dungeness	1012.3	46	SSE	4	bc	1017.4	+3	50	+11	SW	3	-	o	4	-	51	39	c. b.	b. bc.	bc. bc. g.	*
Wick	1017.4	46	SE	5	omq	1011.1	-2	47	-1	SSE	6	-	omq	5	-	49	45	omq	omq	omq	*
Nairn	1015.2	47	E	2	bc	1009.2	*	47	+13	ESE	1	-	cg	1	0.2	45	24	b. bc.	bc	bc. c	4.7
Leith	1014.0	48	E	2	bc	1010.1	0	42	+2	ESE	2	-	c	2	0.3	47	40	b. bc. c	c. bc	bc. cm. c.	*
Lytham	1014.6	46	SE	4	cif.	1012.6	0	43	-4	SW	3	-	o3f	3	-	48	32.43	bcu.	bcu	cm. om.	*
Yarmouth	1012.9	45	ESE	3	bc	1015.1	+2	42	-4	SSE	3	-	bmw	3	-	47	40	bc.	bc	bc. c.	*
Yarmouth (New)	1015.5	45	SSE	5	b	1017.3	+2	44	-1	SSW	3	-	bm	1	-	46	42	b. bm	bz. b	bz. w	4.8
Clacton-on-Sea	1013.5	45	ESE	4	bc	1017.2	+3	47	+4	SSE	3	S	bcz	2	-	47	41	bcz	bcz	c. bcz	3.8
Nottingham	1011.8	39	E	3	bc	1014.9	*	43	+8	S	2	S	bm	*	-	43	33	bm.	b. bc	bc. c.	1.4

Information for these columns not usually received.

† The barometric change is expressed in half millibars.

‡ For code see page 3

† See footnote p.4.

Temperature reported from Coastal and
Cross Channel Steamers.

Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
7	24 th	0300	55	47
4-A	24 th	0410	49	45
5	24 th	0823	53	45
3	24 th	1020	53	46



The depression which was off the Mouth of the Channel on Wednesday has moved rapidly away to Northward and winds are becoming generally Southerly or South-Westerly. Weather is likely to be mild for a day or two, but the appearance of another disturbance in the South-West is very probable.

EXPLANATION.
SANDBAROMETER.—Isobars are drawn
 intervals of two millibars.
WIND.—Direction is shown by an arrow
 flying with the wind. Force, in knots,
 0-12, is indicated by the number of
 feathers. Mean velocity is shown by
 per hour by figure in small circle.
TEMPERATURE.—Is given in degrees
WEATHER SYMBOLS.
 clear sky. ☉ sky 1/2 clouded. ☁ sky 1/2
 overcast sky. ☁ rain falling. A
 * snow. ⚡ mist.
 ☾ fog. ☾ thunder.
SEA DISTURBANCE.—High waves.
 Rough.

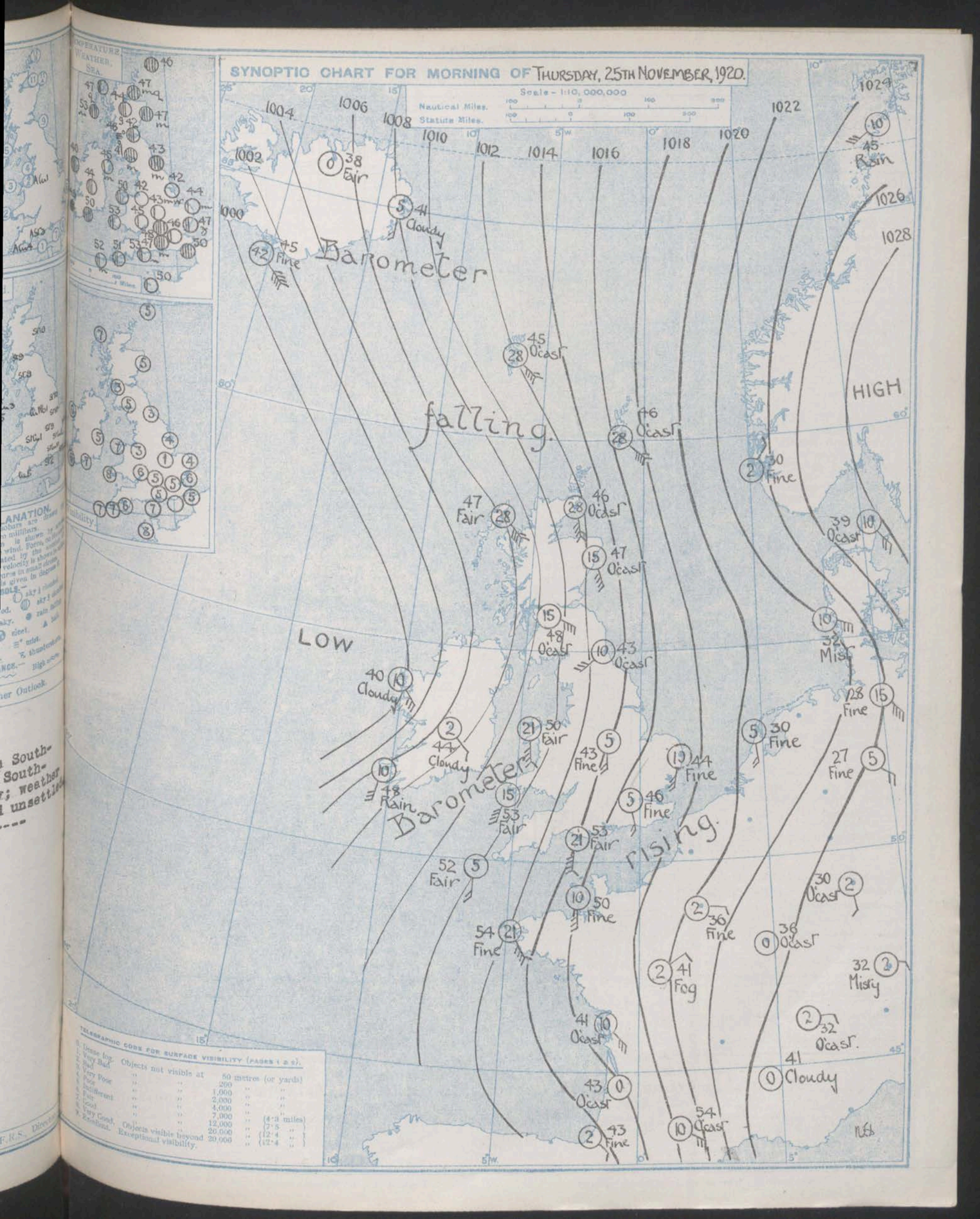
Further Outlook

Winds South-
erly or South-
Westerly; weather
mild and unsettled

SYNOPTIC CHART FOR MORNING OF THURSDAY, 25TH NOVEMBER, 1920.

Scale - 1:10,000,000

Nautical Miles.
Statute Miles.



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

Code	Objects not visible at	60 metres (or yards)
1	Very fog	200
2	Very fog	1,000
3	Very fog	2,000
4	Very fog	4,000
5	Very fog	7,000
6	Very fog	12,000
7	Very fog	20,000
8	Very fog	20,000
9	Very fog	20,000
10	Very fog	20,000
11	Very fog	20,000
12	Very fog	20,000
13	Very fog	20,000
14	Very fog	20,000
15	Very fog	20,000
16	Very fog	20,000
17	Very fog	20,000
18	Very fog	20,000
19	Very fog	20,000
20	Very fog	20,000
21	Very fog	20,000
22	Very fog	20,000
23	Very fog	20,000
24	Very fog	20,000
25	Very fog	20,000
26	Very fog	20,000
27	Very fog	20,000
28	Very fog	20,000
29	Very fog	20,000
30	Very fog	20,000
31	Very fog	20,000
32	Very fog	20,000
33	Very fog	20,000
34	Very fog	20,000
35	Very fog	20,000
36	Very fog	20,000
37	Very fog	20,000
38	Very fog	20,000
39	Very fog	20,000
40	Very fog	20,000
41	Very fog	20,000
42	Very fog	20,000
43	Very fog	20,000
44	Very fog	20,000
45	Very fog	20,000
46	Very fog	20,000
47	Very fog	20,000
48	Very fog	20,000
49	Very fog	20,000
50	Very fog	20,000
51	Very fog	20,000
52	Very fog	20,000
53	Very fog	20,000
54	Very fog	20,000
55	Very fog	20,000
56	Very fog	20,000
57	Very fog	20,000
58	Very fog	20,000
59	Very fog	20,000
60	Very fog	20,000
61	Very fog	20,000
62	Very fog	20,000
63	Very fog	20,000
64	Very fog	20,000
65	Very fog	20,000
66	Very fog	20,000
67	Very fog	20,000
68	Very fog	20,000
69	Very fog	20,000
70	Very fog	20,000
71	Very fog	20,000
72	Very fog	20,000
73	Very fog	20,000
74	Very fog	20,000
75	Very fog	20,000
76	Very fog	20,000
77	Very fog	20,000
78	Very fog	20,000
79	Very fog	20,000
80	Very fog	20,000
81	Very fog	20,000
82	Very fog	20,000
83	Very fog	20,000
84	Very fog	20,000
85	Very fog	20,000
86	Very fog	20,000
87	Very fog	20,000
88	Very fog	20,000
89	Very fog	20,000
90	Very fog	20,000
91	Very fog	20,000
92	Very fog	20,000
93	Very fog	20,000
94	Very fog	20,000
95	Very fog	20,000
96	Very fog	20,000
97	Very fog	20,000
98	Very fog	20,000
99	Very fog	20,000
00	Very fog	20,000

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. 12h-9h. 23 rd -24 th .	Day. 9h-12h. 24 th .	Sunrise to Sunset. 24 th .			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-9h. 23 rd -24 th .	Day. 9h-12h. 24 th .	Sunrise to Sunset. 24 th .	
Scotland.	Oban	b.	b	52	35	-	-	5.3	England, N.W.	Douglas (I.O.M.)							0.6	
	Banff	bc	c.bc	44	29	-	-	2.0		Blackpool	o.	c	46	31	-	-	1.4	
	Montrose									Southport	x.b.bc	c.bc.	44	35	0.2	-	2.8	
	St. Andrews	c.	c	49	26	-	-	3.9		Morecambe	x.	x.	48	40	-	-		
England, N.E.	Harrogate	bm.	b.bc.b	44	33	-	-	2.2	Midlands.	Buxton							1.0	
	Scarborough									Leamington Spa	o.	bc.	41	30	-	-	0.0	
	Skewness	bc.b	c.b	47	41	-	-	3.4		Malvern	m2.	m	40	33	-	-	0.2	
	Lowestoft									Bath	bc.c.o	o.c.bc	46	30	-	-	0.5	
England, E.	Felixstowe	ba.	bm	45	43	-	-	5.2	Wales.	Rhyl	c.	c	43	34	-	-	1.2	
	Southend-on-Sea	bc	bc	45	38	-	-	4.3		Colwyn Bay	x.	x	43	34	-	-	0.8	
										Llandudno	o.	c	43	36	-	-	1.0	
										Aberystwyth	o.c.	c2.o	44	37	-	-		
England, S.E.	Tunbridge Wells	bc.b	b.bc	45	31	-	-	3.1	England, S.W.	Tenby								
	Margate	a.bc.b	b	45	36	-	-	4.0		Swansea							0.3	
	Ramsgate		*	45	36	-	-	4.8		Weymouth	o.c.	c.	52	32	-	-	0.0	
	Folkestone	o.c.	c.	46	36	-	-	4.1		Teignmouth							0.0	
	Hastings	o.bc	bc.c.o	47	33	-	-	3.6		Torquay	on	or	51	41	-	1	0.0	
	Eastbourne	o.c.	c.o	50	30	-	-	1.9		Paignton	opq.	opq.	53	40	-	2	0.5	
	Brighton	o.c.bc	c.o	50	32	-	-	1.1		Penzance	c.bc.or	o.c	51	43	-	1	0.0	
	Worthing	o	o	50	33	-	-	0.3		Newquay	or.o	ogr.	50	40	-	5	0.0	
	Littlehampton	o.c.	o.cq.	53	32	-	-	0.0		Bude	o.	c.	52	34	-	-	0.0	
	Portsmouth (S. then)	x.	x.	50	34	-	-	0.3		Ilfracombe	o.	o	52	38	-	-	0.3	
	Bournemouth	*	*	50	29	-	-	0.2		Weston-s-Mare	c.bc	cm	46	30	-	-		
	Ventnor (I. of W.)	*	*															

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.		THE BEAUFORT SCALE OF WIND FORCE. Used only for surface observations.		
	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Mjd. on Grass. ° F.	RAINFALL. †		Sun. Hours.					
	7h-12h.	12h-18h.	18h-24h.	1h-7h.				Day. 7h-12h.	Night. 12h-7h.						
Renfrew ...	b. c.zf	bc.czf	bccWczf	op.	46	38	36	-	Trace	0.9	b blue sky (not more than a quarter covered). bc sky partly cloudy (one half covered). c generally cloudy (three quarters covered). d drizzle, or fine rain. e wet air without rain falling. f fog. g gloom. h hail. i lightning. m mist. o overcast sky. p passing showers. q squalls. r rain. rs sleet, i.e., rain and snow together. s snow. t thunder. u ugly, threatening sky. v unusual visibility. w dew. x hoar frost. y dry air; humidity less than 60 per cent. z dust haze; the turbid atmosphere of dry weather.	Limits of Velocity at about 30 feet above ground.	No.	Statute miles per hour.	Metres per second.
Eskdalemuir ...	abc.c.bbc	bc.c.bbc	bcc.bbc	b.bcc	45	37	35	-	Trace	3.8					
Valencia (Cahire) ...	lf.c.o	c.o.b.bc	b.bz	c.o.o	50	40	35	-	-	0.3					
Baldonnell ...	ozf.p.o	c.o.r.o	ozf.f.d.o	bcc.zf	48	32	34	1	3	0.2					
Manchester (Akr. Pk.)	b.bczf.bczf	bc.c.W	b.bczf	b.bczf	46	29	32	-	-	0					
Koss on Wye ...	ozf.p.o	c.o.zf.p.o	ozf.p.o	b.c.b	50	33	33	-	1	0.3					
Falmouth ...	op.o	r.o.r.o	b.bczf	b.bczf	51	44	43	6	Trace	0.0					
Calshot (Hants) ...	c.o.b.c	ozf.p.o	c.o.b.bczf	b.bczf	52	35	45	-	-	0.1					
Lymington (Folkestone)	b.bczf.bczf	b.bczf	zf.o	zf.o	43	34	41	-	-	4.4					
Aberdeen ...	4.5f.b.o	zf.bczf	q.ozf	q.ozf	47	40	30	-	-	0.8					
Howden ...	lf.bczf	zf.bczf	b.bczf	zf.bczf	46	36	29	-	-	2.7					
Cranwell (Lincs) ...	b.c.bczf	c.o.c.o	b.c.bczf	b.bczf	43	31	32	-	Trace	2.4					
Felixstowe ...	b.c.bczf	b.bczf	lf.bczf	b.bczf	47	40	30	-	-	5.4					
Shoeburyness ...	b.c.bczf	b.bczf	b.bczf	b.bczf	47	38	39	-	-	4.5					
Benson ...	zf.bczf	b.c.bczf	b.c.o	c.o	49	27	35	-	0.1	1.8					
S. Farnborough ...	ozf.c.o	c.o	zf.bczf	zf.bczf	50	28	37	-	0.2	1.8					
London (Kew Obs.) ...	4.3f.	zf.bczf	zf.bczf	zf.bczf	48	32	31	0.1	Trace	2.2					
Croydon ...	abc.bczf	bc.c.bczf	ozf.p.o	bcc.zf	50	31	30	Trace	Trace	0					



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION.

No. B.21.554

FRIDAY, 26th NOVEMBER, 1920.

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

STATIONS.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather.	Temp. °F.	Humidity %.	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.			Upper Cloud.			Sea.	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.							
										Form.	Amt. 0-10.	Form.	Amt. 0-10.	Form.	Amt. 0-10.											Form.	Amt. 0-10.	Form.	Amt. 0-10.	Form.	Amt. 0-10.								
13H. G.M.T. 25 th																														13H. G.M.T. OF 25 th									
Renfrew ...	1010.8	0	SE	4	cif	48	92	6	2,000	St	8	-	-	-	-	1013.3	+3	SE	2	oif	48	85	6	3,000	St	7	ci	3	-	-	-	-							
Eskailemuir ...	1012.8	+1	SE	3	odm	46	85	6	2,000	St	10	-	-	-	-	1015.7	+3	S	1	oif	44	85	6	-	St	10	-	-	-	-	-	-							
Valencia (Calcutta) ...	1008.1	+1	S	2	o	50	75	8	4,200	St	2	ast	7	4	1006.7	-2	E	4	c	45	85	8	3,000	St	1	ast	7	4	-	-	-								
Baldonnel ...	1010.3	+4	SW	4	og	50	75	8	4,200	St	10	-	-	-	-	1011.2	-2	SSE	2	od	45	97	4	1,250	St	10	-	-	-	-	-								
Manchester (Alex. PK.) ...	1015.0	+2	S	5	cif	53	75	4	9,000	-	-	ast	8	-	1016.8	+2	SE	3	o	46	92	3	-	-	-	ci	9	-	-	-	-								
Ross on Wye ...	1015.3	+1	SSW	2	o	55	75	6	3,000	Cu	2	ci	7	-	1016.4	+2	ESE	2	o	49	85	6	-	-	-	ci	9	-	-	-	-								
Falmouth ...	1012.6	-1	SSE	4	o	54	85	7	-	ast	6	ast	7	-	1012.0	0	SE	4	o	53	85	8	-	-	-	-	-	-	-	-	-								
Calshot (Hants) ...	1017.4	0	SSE	3	c	52	92	6	2,000	St	8	-	-	-	1018.0	+3.2	SSE	4	o	49	97	6	1,250	St	10	-	-	-	-	-	-								
Lymington (Folkestone) ...	1019.5	+1	S	2	oif	47	97	5	4,500	St	10	-	-	-	1020.2	+2	E	2	oif	43	97	3	-	-	-	-	-	-	-	-	-								
Aberdeen ...	1013.3	+1	S	3	oif	48	85	4	1,250	St	9	-	-	-	1014.6	+3	S	2	oif	48	92	4	1,250	St	6	-	-	-	-	-	-								
Howden ...	1016.6	0	SSE	1	o	48	92	5	2,000	St	8	-	-	-	1018.5	+2	SE	1	oif	37	97	3	2,000	St	2	-	-	-	-	-	-								
Cranwell (Lines) ...	1017.6	+1	S	3	oif	48	97	5	1,250	St	9	-	-	-	1019.4	+2	SE	2	oif	40	97	5	1,250	St	1	ast	1	-	-	-	-								
Felixstowe ...	1019.8	+1	S	3	bc	50	85	7	5,700	St	5	-	-	-	1020.8	+2	SSE	3	o	48	97	7	1,250	St	10	-	-	-	-	-	-								
Shoeburyness ...	1018.8	+2	S	1	b	53	75	7	4,200	St	1	ci	1	-	1020.0	+2	S	2	o	47	85	7	4,200	St	3	ast	7	-	-	-	-								
Benson ...	1011.3	+1	SSE	3	c	51	85	6	-	Cu	7	-	-	-	1017.7	+1	S	3	b	46	92	7	-	-	-	ci	3	-	-	-	-								
S. Farnborough ...	1017.7	-0	S	3	c	52	85	7	2,000	St	8	-	-	-	1018.5	+1	SE	3	oif	47	92	6	2,000	St	9	-	-	-	-	-	-								
London (New Obs.) ...	1017.7	0	S	3	cif	54	75	5	4,200	Cu	7	-	-	-	1019.3	+2	SSE	2	oif	47	92	4	3,000	Cu	9	-	-	-	-	-	-								
Croydon ...	1018.7	+1	SSW	2	bcif	54	75	6	1,250	St	4	-	-	-	1019.7	+1	SSE	2	oif	47	92	5	1,250	St	10	-	-	-	-	-	-								
1H. G.M.T. OF 25 th																														7H. G.M.T. OF 25 th									
Renfrew ...	1015.7	0	SSE	3	om	45	92	4	-	-	-	-	-	-	1018.6	0	SSE	3	oif	46	85	6	1,250	St	10	-	-	-	-	-	-								
Eskailemuir ...	1015.6	-2	-	0	bc	45	-	-	-	-	-	-	-	-	1016.0	0	-	0	bc	39	85	6	-	St	3	ci	3	-	-	-	-								
Valencia (Calcutta) ...	1010.5	-1	SSE	4	oif	51	85	4	1,250	Cu	6	ast	4	-	1009.3	0	SSE	1	oif	51	85	6	1,250	St	10	-	-	-	-	-	-								
Baldonnel ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1016.0	-1	ESE	3	oif	42	92	3	3,000	St	6	ast	3	-	-	-	-								
Manchester (Alex. PK.) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1014.5	0	SSE	4	o	45	92	5	1,250	St	9	ci	1	-	-	-	-								
Ross on Wye ...	1011.0	-1	SSE	5	bc	52	85	8	-	-	-	-	-	-	1009.3	0	SE	5	o	52	92	7	-	St	10	-	-	-	-	-	-								
Falmouth ...	1015.8	-2	E	4	bif	50	92	6	-	-	-	-	-	-	1014.7	-2	E	3	c	45	97	5	-	-	-	ast	7	2	-	-	-								
Calshot (Hants) ...	1018.0	-2	SE	3	bcw	45	92	4	-	-	-	-	-	-	1017.3	-2	SE	5	bcw	46	97	5	-	-	-	ci	4	-	-	-	-								
Lymington (Folkestone) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1016.7	0	SSE	4	oif	49	92	4	1,250	St	10	-	-	-	-	-	-								
Aberdeen ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1018.3	-1	SE	1	oif	43	97	2	4,500	St	10	-	-	-	-	-	-								
Howden ...	1019.1	0	SSE	3	oif	48	97	0	4,500	St	10	-	-	-	1018.3	-2	SE	3	oif	43	97	1	4,500	St	10	-	-	-	-	-	-								
Cranwell (Lines) ...	1019.6	0	SE	3	oif	42	97	2	4,500	St	10	-	-	-	1019.2	-2	ESE	4	bif	46	92	6	-	-	-	ci	1	2	-	-	-								
Felixstowe ...	1020.5	0	E	2	ce	45	97	6	-	-	-	-	-	-	1017.8	-1	SSE	1	bcif	44	85	6	4,200	Cu	3	ci	2	-	-	-	-								
Shoeburyness ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1015.3	-1	SE	4	oif	42	97	4	-	St	10	-	-	-	-	-	-								
Benson ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1016.5	-1	E	1	oif	39	97	2	750	St	10	-	-	-	-	-	-								
S. Farnborough ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1016.6	-3	E	3	bcw	49	97	2	2,000	St	3	ast	2	-	-	-	-								
London (M.O. at 1st) ...	1018.9	-2	SE	3	bcif	43	97	5	-	-	-	-	-	-	1017.4	-1	SE	4	bcif	43	92	4	-	-	-	ci	5	-	-	-	-								
Croydon ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
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.	Rainfall in. 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.																			
13H. G.M.T. of 25 th																									7H. G.M.T. of 26 th					24 HOURS ENDED 7H. 26 th					25 th				
Letwick ...	1013.4	49	SE	5	oif	1015.5	+1	50	+4	S	5	-	oif	3	-	50	49	om	om	om	2																		
Stornoway ...	1006.1	51	S	6	op	1007.9	0	52	+5	S	5	-	oif	5	1	52	47	bc	bc	op	1.5																		
Castlebay (Barrals) ...	1008.6	50	SW	4	o	1007.7	0	52	-1	SE	6	-	oif	6	8	52	47	o.c.op	op	oif	0.0																		
Malin Head ...	1009.2	46	S	2	om	1005.8	0	50	+4	SE	3	-	om	2	4	50	42	cm	om	om	1.9																		
Blacksod Point ...	1006.1	49	S	2	bc	1003.6	-3	45	+5	-	0	-	od	1	1	51	41	bc	bc	bc	-																		
Roche's Point ...	1008.1	53	ESE	4	o	1006.6	-1	53	+3	SE	5	-	o	5	18	54	48	om	rm	ol	-																		
Birr Castle ...	1009.1	45	E	1	f	1005.7	-	51	+7	SE	2	-	o	8	10	51	43	g.om	g	op	0.0																		
Donaghadee ...	1012.6	48	W	1	omp	1011.6	-1	50	+5	SW	3	-	om	3	1	53	44	bm	omp	omp	-																		
Liverpool (Midaton) ...	1015.1	47	SE	3	c	1014.0	0	44	+2	ESE	5	S	o	4	-	52	42	bcw	bcw	om	2.7																		
Holyhead ...	1012.9	50	S	3	og	1011.1	0	47	-3	SSE	5	-	c	3	-	54	46	bc.c	c	og	1.1																		
Pembroke (St. Mary's) ...	1012.5	53	SE	4	o	1006.2	-1	51	-2	SSE	4	-	oif	4	1	55	50	c	c	om	1.0																		
Jersey (St. Aubin) ...	1010.6	54	SE	4	c	1007.4	-1	53	+1	SE	4	S	bc	5	-	55	52	bc.c	o.c	z.bc	0.3																		
Portland Bill ...	1015.2	53	ESE	5	b	1012.4	0	50	0	E	4	-	o	4	-	54	47	bc.b	b	bc	6.6																		
Dungeness ...	1016.3	55	SE	5	bc	1012.6	0	53	0	SE	6	SE	bc	6	-	50	50	bc	bc	bc	-																		
Wick ...	1019.5	46	E	2	b	1015.8	-2	49	-1	SSE	4	S	b	4	-	50	45	c	oif	b	-																		
Nairn ...	1009.4	48	SSW	7	om	1013.1	0	48	+1	S	6	-	om	5	-	49	46	om	om	om	-																		
Leith ...	1009.5	48	S	3	c	1012.3	-	30	+6	SSW	2	-	og	2	-	50	42	og	og	og	1.7																		
Lyonsmouth ...	1002.9	48	SE	1	c	1013.8	0	45	+3	SSE	2	-	o	0	-	50	42	c.bc	bc.c	c	0																		
Spurn Head ...	1016.3	45	SW	3	fc	1018.2	0	43	0	SW	2	-	oif	2	-	46	41	f	f	fe	-																		
Falmouth ...	1018.6	46	SE	2	bm	1018.3	0	47	+5	SSE	4	-	ogm	3	-	50	40	om	bm	cf	-																		
Clacton-on-Sea ...	1019.9	47	S	3	c	1019.7	-2	47	+3	SE	3	-	bz	2	-	51	42	om	cv	bm	3.9																		
Nottingham ...	1020.5	48	SSE	2	o	1018.4	-2	47	0	ESE	3	-	bcw	2	-	51	46	bcz	bcz	bcw	4.7																		
Information for ...	1015.2	42	SSE	1	b	1017.0	-	43	0	E	3	E	o	4	-	52	41	c	o.c	c	0.1																		

for these columns not usually received.

‡ The barometric change is expressed in half millibars.

§ For code see page 3

† See footnote p. 4.

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 26.11.1920.

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

Temperature reported from Coastal and Cross-Channel Steamers.

Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
7	25 th	0350	55	5
4A	25 th	0500	53	5
3	25 th	1020	54	5
10	25 th	1100	48	4
6	25 th	1509	55	5

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 the arrow pointing in the direction the wind is blowing with the wind. Force, on the arrow, is 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 + cloud, clear sky, sky + cloud, overcast sky, snow, fog, T thunder, SEA DISTURBANCE.— Rough, High

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

A depression centred near the Azores will probably move Eastward or North-eastward. A secondary over the Bay of Biscay is likely to move Northward. We may, therefore, anticipate unsettled weather during the next day or two, with Southerly winds.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 26th November, 1920.
1. S.E. England	Wind SE or S moderate, fresh locally; variable sky, probably some rain; visibility indifferent to fair, some mist; moderate temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	Wind SE or S, moderate or fresh; cloudy or dull, probably some rain; visibility fair but local mist; rather mild.
5. S.W. England	
6. South Wales	
7. North Wales	Wind SE or S, moderate; cloudy, perhaps slight rain; visibility indifferent to fair, some mist; moderate temperature.
8. N.W. England	
9. N. Midlands	
10. N.E. England	As for 4 - 8
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Wind Southerly, fresh or strong; variable sky, some rain; visibility mainly fair; mild.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Wind Southerly, moderate, fresh locally; cloudy or dull, some rain; visibility fair, local mist; rather mild.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

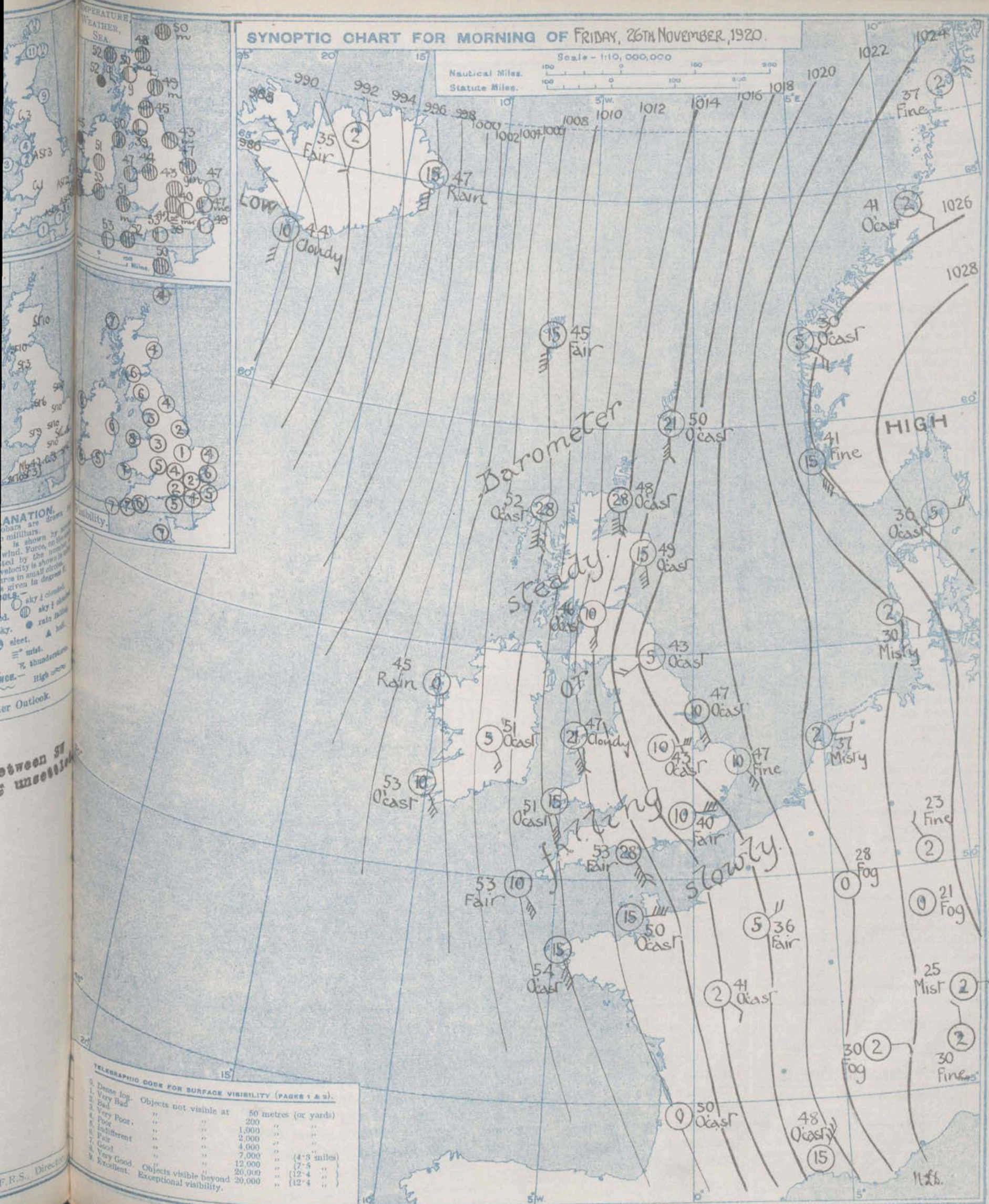
Further Outlook.

Wind between SW and SE; unsettled.

Scale - 1:10,000,000

Nautical Miles.

Statute Miles.



15			
TELEGRAPHIC CODE 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	" (4.3 miles)
7. Fair	" "	12,000	" (7.5 ")
8. Good	" "	20,000	" (12.4 ")
9. Very Good.	Objects visible beyond	20,000	" (12.4 ")
10. Excellent.	Exceptional visibility.		

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 331.

Friday
26th NOVEMBERWEATHER, 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. 10h-9h.	Day. 9h-12h.	Sunrise to Sunset.	Forenoon.			Afternoon.	Max. °F.	Min. °F.	Night. 10h-9h.	Day. 9h-12h.	Sunrise to Sunset.		
Scotland.	Oban	bc.	c.o.	52	43	-	-	0.3	England, N.W.	Douglas (L.O.M.)									
	Banff	a.c.	bc.c.	49	42	-	-	0.4		Blackpool	bc	bc	52	40	-	-		1.4	
	Montrose									Southport	b.bc	bc.b.b.c.c.	51	39	-	-		2.5	
	St. Andrews									Morecambe	x.	x.	53	48	-	-		2.8	
England, N.E.	Harrogate	of.	m.bc.bm	46	34	-	-	0.0	Midlands.	Buxton									
	Scarborough	bc.	bc	49	42	-	-	0.6		Leamington Spa... ..	ac.	c.b	55	35	-	0.3		2.0	
	Skegness	b.o	o.c.b	51	41	-	-	4.0		Malvern	o.c.	c.z	52	40	-	-		3.0	
England, E.	Lowestoft								Wales.	Bath	b.bc	b.bc.c.o	56	36	1	-		5.4	
	Felixstowe	b	om	50	46	-	-	5.5		Rhyl	bc.c.	c	47	39	-	-		1.6	
	Southend-on-Sea... ..	a.c.c.bc	bc.c.o.c	55	37	-	-	3.9		Colwyn Bay	x.	x.	55	38	-	-		2.2	
England, S.E.	Tunbridge Wells	bc.c	c.o	54	41	-	-	1.4	Wales.	Llandudno	bc.c	c	57	42	0.2	-		0.5	
	Margate	a.c.	o	50	37	-	-	0.0		Aberystwyth	o.c.	bc.o	55	40	1	-			
	Ramsgate	*	*	48	42	-	-	0.0		Tenby									
	Folkestone	m.o	o	49	39	-	-	0.0		Swansea									
	Hastings	o	o	51	47	-	-	0.0	England, S.W.	Weymouth	bc.	bc.c.	57	51	6	0.2		4.6	
	Eastbourne	o	o	52	48	-	-	0.0		Teignmouth			58	50	2	-		4.0	
	Brighton	o.bc	bc.o.b	55	48	-	-	1.0		Torquay	c.bc.	bc	58	46	2	-		3.5	
	Worthing	c.bc	bc.o	55	49	-	-	1.3		Paignton	bc	bc	58	46	2	-		0.5	
	Littlehampton	a.c.	bc	57	47	-	-	1.5		Penzance	c.o.	a.c.b	55	45	0.2	-		2.5	
	Portsmouth (S. thos.)	x.	x.	55	39	1	-	3.1		Newquay	b.	bc	56	44	1	-		3.2	
	Bournemouth	*	*	56	50	-	-	6.5		Bude	w.b.	bc	57	43	1	-		1.0	
	Ventnor (I. of W.)	*	*	57	49	-	-	5.0		Ilfracombe	o.c.	c.bc.c.o	55	40	-	-		2.0	
									Weston-s-Mare	bc.c	bc	52	32	2	-				

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Glass ° F.	RAINFALL. †		Sun. Hours.
	7h-12h	12h-18h	18h-5-12h	1h-7h				Day. 7h-12h	Night. 12h-7h	
Renfrew ...	b. o.f. c.o.f.	c. o.f.	o.f.	o.f.	51	42	41	mm.	mm.	1.3
Eskdalemuir ...	o.f. p.d.	o. o.f.	o.f. c.o.f.	b.c.c.	47	38	33	Trace	-	0.2
Valencia (Cahire's) ...	o.	o. c. b.	b.c.c.	o.f.	53	39	34	-	2	0.0
Baldonnel ...	b.c.c.o.	o.f. r.	c.o.f.	o.f.	57	45	43	l.	-	4.11
Manchester (A. & P.)	b.b.o.f. bc.c.f.	bc.c.f.	b. o.f.	c.o.f.	53	41	29	-	-	0
Ross on Wye...	b.c.b.c.c.	o.b.c.c.o.	c.o.b.c.c.	o.f. c.	55	42	38	-	-	4.2
Falmouth ...	b.c.c.o.	c.o.b.c.	b. bc	c.o.	55	51	47	-	-	1.3
Calshot (Hants)...	b.b.o.f. bc.c.f.	c. o.f.	z.f. f.	b.b.c.c.f.	54	45	41	-	-	6.1
Lympne (Folkstone)	o.f. z.f.	o.f. r.f.	b.b.c.c.f.	b.b.c.c.f.	48	41	34	-	Trace	0.0
Aberdeen ...	o.f. o.f.	o.f. x.f.	z.f.	z.f. o.f.	49	46	39	-	-	0.0
Howden ...	h.s.f. z.f.	b. bc.z.f.	h.s.f.	h.s.f. h.s.f.	49	38	31	-	-	0.5
Cranwell (Lincs) ...	h.s.f. o.f.	bc.c.o.	h.s.f. h.s.f.	h.s.f.	48	35	31	0.1	0.3	0.8
Felixstowe ...	b.b.c.c.	bc.c.o.	o.f. bc.c.	h.c.c.b.c.	51	43	4	-	0.1	5.6
Shoeburyness ...	b.b.c.b.c.	bc.c.o.	z.f. h.s.f.	z.f. z.f.	55	36	34	-	Trace	3.9
Benson ...	bc.c.b.c.	b.b.c.b.c.	bc.c.o.	c.o.	57	41	31	-	0.1	0
S. Farnborough ...	o.f. bc.o.	bc.c.o.f.	b.b.c.o.	o.f.	53	39	32	-	Trace	2.0
London (Kew Obs.)	h.s.f. b.b.c.f.	bc.c.o.f.	o.f. w.	z.f. w.	55	39	28	Trace	0.2	4.6
Croydon ...	b.b.c.o.f.	b.b.c.o.f.	c.o.f. bc.c.	bc.c.b.c.	55	38	3	Trace	0.1	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.

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 0.9
1	1-3	0.9-1.5
2	4-7	1.6-2.3
3	8-12	2.4-3.2
4	13-18	3.6-4.9
5	19-24	5.2-6.7
6	25-31	6.9-8.5
7	32-38	8.9-10.7
8	39-46	10.7-12.8
9	47-54	12.8-14.9
10	55-63	15.0-17.7
11	64-75	17.7-20.8
12	Above 75	20.8 or above

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

LONDON OBSERVATIONS.

	Morning.	Afternoon.	Night.	°F.	°F.	°F.	mm.	Hours.	15 h.	9 h.
									G.M.T.	G.M.T.
	24 HOURS ENDED ON G.M.T. 25 th							YESTERDAY. TO-DAY.		
Greenwich (Royal Observatory)	bc	bc	ambur	55	37	30	0.3	4.7	85	89
City (Bunhill Row)	*	*	*	*	*	*	*	0.4	*	*
Westminster (St. James's Park)	*	*	*	56	42	33	-	3.4	72	85
Regent's Pk (Botanical Garden)	*	*	*	*	*	*	*	*	*	*
Camden Sq. (British Rainfall)	bc f.c.	c.o	*	55	38	30	-	*	80	100
Kensington Palace	bc	bc.o	*	56	37	32	-	*	94 (18h)	98
Hamstead Observatory	*	*	*	54	38	35	Trace	1.6	*	98

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	HUMIDITY %	
	15h.	9h.
Total ... 2.69 ... Joules.	85	89
Average Rate ... 8.9 ... Milliunits.	85	89
Maximum Rate ... 2.0 ...	85	89

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

Stations.	25 th NOV. 1920.		26 th NOV. 1920.	
	Sunrise.	Noon.	Sunrise.	Noon.
Yarmouth ...	7.34	11.40	7.36	11.41
Greenwich ...	7.37	11.43	7.39	11.45
Wick ...	8.27	12.10	8.30	12.12
Valencia ...	8.20	12.24	8.22	12.26

Photographic Record of

Pole Star (Polaris) and of 3 Ursa

Minoris at Greenwich Observatory.

Exposure from ... 1 ... h. 15 ... m.
to ... 6 ... h. 15 ... m.

Stars.	Duration of Exposure.		Duration of Record.		%
Polaris	h.	m.	h.	m.	
3 Ursa	13	0	9	26	73
Minoris	13	0	4	14	33

NOTES ON THE WEATHER OF YESTERDAY.

A good deal of rain fell in Ireland and the Hebrides, 16mm being measured at Roche's Point 10mm at Birt Castle and 8mm at Castlebay. Sunshine was fairly abundant in the Eastern and Southern districts, Bournemouth, Jersey and Calshot each recording 6 hours or more. Temperature was rather high, maximum readings above 55° being observed at most of the Southern Stations.

* Information for these columns not usually received.

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

LONDON

1920.

TEMPERATURE

Max. Min.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

°F. °F.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. 221555 SATURDAY, 27th NOVEMBER 1920.

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

STATIONS	BAROM.	Change	WIND.		TEMP.	Humidity.	Visibility	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea	BAROM.	Change	WIND.		TEMP.	Humidity.	Visibility	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea	
	at M.S.L.	in 3 hours.	Dirac.	Force 0-12.					Form.	Amt. 0-10.	Form.	Amt. 0-10.		at M.S.L.	in 3 hours.	Dirac.	Force 0-12.					Form.	Amt. 0-10.	Form.	Amt. 0-10.		0-9.
	mb.																										
13H. G.M.T. OF 26 th																											
Renfrew	1012.4	-2	E	3	48	85	4	5,700	St	4	acc	6	1011.1	-2	E	4	48	85	4	2,000	St	10	-	-	X		
Eskdalemuir	1014.2	-2	SSE	3	48	85	6	5,700	St	3	acc	5	1012.5	-3	SE	4	48	85	5	5,700	St	4	acc	3	-		
Valencia (Cahire's)	1001.9	-1	SSE	5	55	85	8	1,250	St	8	-	-	1001.4	0	SSE	5	53	92	7	1,250	St	8	-	-	4		
Baldonnel	1008.0	-1	SE	3	50	92	5	750	St	10	-	-	1007.0	+1	SE	4	52	85	4	750	St	10	-	-	-		
Manchester (Alex. PK)	1014.0	-4	ESE	5	48	75	4	4,200	St	10	-	-	1012.7	-1	E	4	48	85	3	4,200	St	10	-	-	X		
Ross on Wye	1013.0	-2	E	2	47	85	5	2,000	St	10	-	-	1011.6	-1	E	2	46	92	3	1,250	St	9	acc	1	-		
Falmouth	1008.5	-2	SE	5	53	92	6	-	St	10	-	-	1007.5	0	SSE	5	53	92	5	-	Nb	10	-	-	-		
Calshot (Hants)	1013.4	-2	ESE	4	50	92	6	2,000	St	10	-	-	1012.2	-1	ESE	4	50	92	5	2,000	St	10	-	-	3		
Lymington (Folkestone)	1015.9	-2	SE	4	49	75	6	5,700	St	3	acc	3	1015.0	-1	SE	4	47	85	5	2,000	St	8	acc	2	-		
Aberdeen	1016.4	-1	SSE	4	48	85	6	1,250	St	10	-	-	1015.5	-1	SSE	5	48	85	5	1,250	St	10	-	-	4		
Howden	1016.2	-3	SE	3	50	97	5	2,000	St	6	acc	2	1013.4	-3	SE	2	44	97	4	4,200	St	6	acc	2	-		
Cranwell (Lines)	1016.7	-2	SE	4	49	85	6	3,000	St	3	acc	2	1015.6	0	SE	3	44	92	5	5,700	St	10	-	-	X		
Felixstowe	1016.9	-3	SE	4	49	85	6	-	-	acc	6	-	1016.7	-1	SE	4	48	85	6	-	-	acc	4	-	-		
Shoeburyness	1016.1	-2	SE	2	49	75	5	4,200	St	2	-	-	1014.9	-1	SE	2	46	85	5	2,000	St	5	acc	3	-		
Benson	1013.4	-2	SE	3	46	85	5	-	-	acc	5	-	1013.2	-1	SE	4	47	85	5	-	-	acc	5	-	-		
S. Farnborough	1014.2	-3	ESE	2	50	85	5	-	-	acc	8	-	1013.0	-1	ESE	4	46	92	4	2,000	St	5	acc	3	-		
London (Kew Obs.)	1014.6	-3	ESE	2	49	85	5	4,200	St	7	acc	3	1013.7	-1	ESE	2	47	85	3	3,000	St	10	-	-	-		
Croydon	1015.4	-2	ESE	3	49	85	5	4,200	St	5	acc	4	1014.2	-0	E	3	47	85	5	2,000	St	10	-	-	-		
7H. G.M.T. OF 27 th																											
Renfrew	1010.6	-2	NE	1	45	85	5	-	Nb	10	-	-	1006.4	-2	ENE	2	46	97	3	1,250	St	10	-	-	X		
Eskdalemuir	1010.4	-2	NE	1	45	85	5	-	Nb	10	-	-	1007.7	-2	SE	4	46	92	6	2,000	St	10	-	-	-		
Valencia (Cahire's)	1003.4	+5	NNW	4	47	85	5	-	-	-	-	3	1004.6	+3	NNW	4	45	85	5	3,000	Nb	10	-	-	X		
Baldonnel	1008.9	-2	ESE	4	51	85	5	1,250	St	10	-	-	1008.3	-2	SE	3	51	92	5	750	St	10	-	-	-		
Manchester (Alex. PK)	-	-	-	-	-	-	-	-	-	-	-	-	1007.8	-3	ESE	4	48	85	3	4,200	St	10	-	-	X		
Ross on Wye	-	-	-	-	-	-	-	-	-	-	-	-	1006.4	-2	ESE	4	49	92	5	1,250	Nb	9	acc	1	-		
Falmouth	1005.2	-2	SE	4	53	97	6	-	St	10	-	-	1002.8	-2	SSE	3	53	97	7	-	Nb	10	-	-	-		
Calshot (Hants)	1009.6	-2	ESE	4	51	97	5	2,000	St	10	-	-	1007.0	-3	SE	4	50	97	6	1,250	St	10	-	-	3		
Lymington (Folkestone)	1013.4	-2	E	3	46	85	4	-	-	acc	4	-	1010.6	-2	SE	4	47	85	5	750	Nb	10	-	-	-		
Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	1010.5	-2	SSE	4	49	97	4	1,250	Nb	10	-	-	4		
Howden	1012.7	-1	-	0	44	92	4	2,000	St	10	-	-	1004.9	-2	-	0	45	92	5	3,000	St	10	-	-	-		
Cranwell (Lines)	1013.3	-2	ESE	2	43	97	4	4,200	St	10	-	-	1010.8	-3	SE	3	43	97	4	3,000	St	10	-	-	-		
Felixstowe	1014.6	-1	SE	3	47	92	6	-	-	acc	4	2	1012.7	-2	SE	4	47	85	6	7,200	St	8	-	-	3		
Shoeburyness	-	-	-	-	-	-	-	-	-	-	-	-	1010.5	-1	SE	2	45	85	6	2,000	St	5	acc	3	-		
Benson	-	-	-	-	-	-	-	-	-	-	-	-	1006.9	-2	ESE	4	47	85	5	-	St	10	-	-	-		
S. Farnborough	-	-	-	-	-	-	-	-	-	-	-	-	1008.3	-3	SSE	2	47	92	4	3,000	St	7	acc	3	-		
London (Kew Obs.)	1011.7	-3	-	-	47	85	5	-	-	-	-	-	1008.8	-2	E	2	46	85	3	3,000	St	10	-	-	-		
Croydon	1012.5	-3	SE	2	46	85	5	4,200	St	4	acc	5	1010.0	-3	ENE	1	46	92	4	3,000	St	8	acc	2	-		

STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	TEMP.				WEATHER.			Sunshine Hours.
	at M.S.L. 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.				+	mm.	Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
	12H. G.M.T. of 26 th					7H. G.M.T. of 27 th					24 HOURS ENDED 7H. 27 th					26 th						
Lerwick	1015.3	49	SSE	5	0	1012.5	-1	48	-2	SE	6	SE	09	5	-	50	48	om.	0	cq	0.0	
Stornoway	1006.1	52	S	3	0	1003.4	-1	50	-2	S	2	-	07	1	1	52	50	0	0	o. of	0.0	
Castlebay (Barrals)	1006.2	51	SE	6	odp	1002.1	-1	52	0	SSE	4	-	07	5	1	52	50	d. om.	om. odp	dte. om.	0.0	
Malin Head	1004.3	48	S	3	om													om	om			
Blackod Point	1000.2	52	SE	3	bc	1001.4	+1	45	0	NW	2	-	07 23f	2	18	54	44	07	bc	om. of	*	
Roche's Point	1004.9	53	SE	4	0	1002.7	-1	51	-2	SE	2	-	0	4	0.4	54	50	o.c. om	0	o.c. of	*	
Birr Castle	1004.1	53	SE	2	0	1001.8	-	49	-2	SE	1	-	0	*	0.4	53	47	god. o	c. o	0	0.8	
Donaghadee	1009.6	50	SSE	4	omq	1005.6	-3	50	0	S	2	-	om	2	3	51	50	omq.	omq/p	om	*	
Liverpool (Lidston)	1010.8	47	ESE	4	0	1005.7	-2	46	+2	SE	5	-	om	4	-	48	44	om.	om		0.2	
Holyhead	1008.7	50	SSE	4	0	1004.0	-2	50	+3	SSE	4	-	07 23f	2	6	53	48	c. op	op. c. o	op. of	0.0	
Pembroke (St. Ann's Head)	1008.3	52	SSE	4	0	1003.5	-2	52	+1	ESE	3	-	07 23f	4	2	53	50	omq	omq	om, om	0.0	
Scilly (St. Mary's)	1007.0	53	SSE	3	bc	1002.2	-2	51	-2	SE	3	-	07 23f	4	1	57	51	bc. c. o	o.c. bc	bc. c. om	2.8	
Jersey (St. Aubin)	1010.4	53	ESE	4	0	1006.0	0	52	+2	ESE	4	SE	c	4	-	54	48	o.c. bc. o	o.c. o	o c	0.1	
Portland Bill	1009.8	53	ESE	6	0	1006.1	-4	53	+2	SSE	5	-	07	5	1	57	51	bc. c.	0	07	*	
Dunageess	1014.1	50	SSE	4	c	1010.2	-3	50	+1	SSW	3	SW	c	4	-	51	48	bc.	bc. c	c	*	
Wick	1011.6	49	S	7	omq	1007.0	-2	48	0	S	7	-	om	5	21	49	44	omq	omq	om	*	
Nairn	1010.6	48	SE	2	c	1006.0	-	48	-2	-	0	-	cq	1	-	50	44	cqm	cqm	cq	0.2	
Leith	1011.3	48	SSE	1	0	1006.7	-2	47	+2	SSE	1	-	0	1	-	50	45	o.c. o	0	om. o	*	
Fyemouth	1014.1	48	SSE	4	c/q	1009.4	-3	48	+5	S	3	-	07f	3	0.1	49	42	om.	om	c. om	*	
Spurn Head	1014.9	48	SE	5	bc	1011.5	-1	47	0	SE	4	-	c	3	-	49	44	bc	bc	c. om	*	
Yarmouth (Gor Island)	1016.9	47	SSE	4	b	1012.3	-3	48	+1	SSE	4	-	b	3	-	50	47	b2. b	b2. b	bc. bc	4.6	
Clacton-on-Sea	1015.5	48	ESE	3	c	1011.1	-2	47	0	ESE	3	S	c2	2	-	49	47	bc. c2	bc. c2	c2	3.7	
Norwich	1013.4	47	ESE	2	0	1009.1	-	45	+2	ESE	2	SE	0	*	-	50	42	o.c	c. o	c. o	0.0	

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 27.11.1920.

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

Temperature reported from Coastal and Cross Channel Steamers

Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
4A	26 th	0400	52	49
7	26 th	0255	55	50
8	26 th	"	52	49
5	26 th	0830	53	49
3.	26 th	1020	54	52
1	26 th	1215	55	55
7	27 th	0345	53	55

CHART OF POSITION NUMBERS and Upper Cloud



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

A V-shaped depression lying over Ireland will move Eastward or North-eastward and cause rain over the whole Kingdom. Several days unsettled weather seems probable.

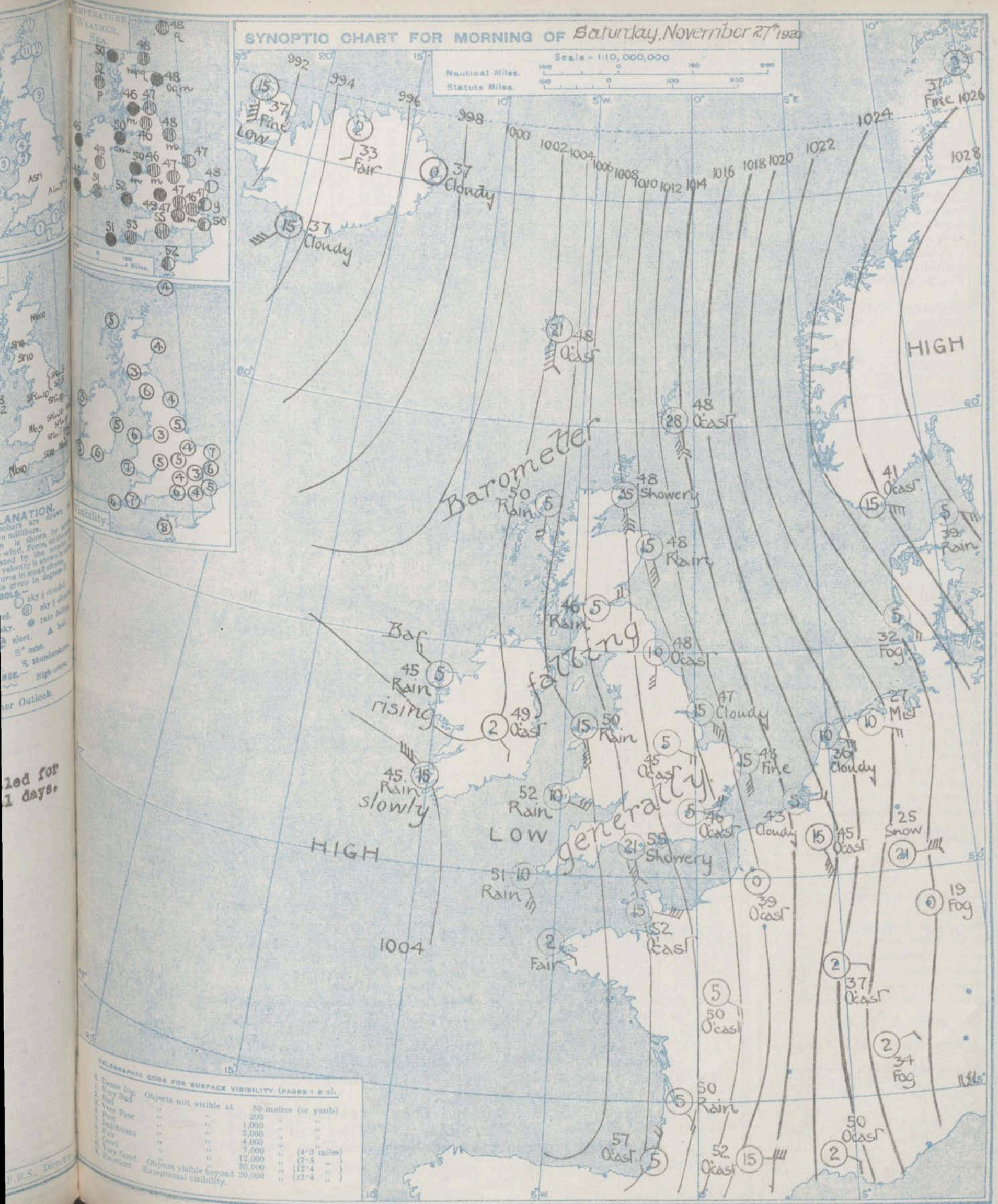
EXPLANATION.
 BAROMETER.—Isobars are drawn at intervals of two millibars.
 WIND.—Direction is shown by the flying with the wind. Force, on the 0-12, is indicated by the number of feathers. Mean velocity is shown in degrees per hour by figures in small circles.
 TEMPERATURE.—Isobars are drawn at intervals of two 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. Saturday, 27th November, 1920.
1. S.E. England	Wind mainly S.E. or S, moderate or fresh, strong in places; dull some rain; visibility indifferent to fair; mild.
2. E. England	
3. E. Midlands	
4. W. Midlands	Wind S.E. or S, moderate, veering W or N.W. later; dull some rain, heavy in places; visibility indifferent, then improving; rather mild to moderate temperature.
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	Same as 1 - 3.
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Same as 4 - 8
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	Wind N.W. moderate, probably backing later; changeable, rain or hail showers; visibility good; rather cold.
15. Hebrides	
16. Orkneys and Shetlands	Same as 1 - 3
17. N.W. Ireland	
18. N.E. Ireland	Same as 14 - 15.
19. S.E. Ireland	
20. S.W. Ireland	

Unsettled for several days.

SYNOPTIC CHART FOR MORNING OF Saturday, November 27th 1922

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



ANATION.
isobars are drawn
in millibars.
wind force, on the
chart, is shown by the
velocity it shows in
miles in small circles.
in given in degrees.
sky & clouds
sky & clouds
rain falling
A bar
sheet.
ndst.
thunderstorm
High
Outlook.

led for
1 days.

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

Code	Meaning	Objects not visible at	Distance
0	Dense fog	50 metres (or yards)	
1	Very bad	200 "	
2	Bad	1,000 "	
3	Very poor	2,000 "	
4	Poor	4,000 "	
5	Unfavourable	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. 332.

Saturday,
27th November

WEATHER, 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. 10h-9h. 25 th -26 th	Day. 9h-10h. 26 th	Sunrise to Sunset. 26 th	Forenoon.			Afternoon.	Max. ° F.	Min. ° F.	Night. 10h-9h. 25 th -26 th	Day. 9h-10h. 26 th	Sunrise to Sunset. 26 th		
Scotland, N.E.	Oban	c.	o	50	46	3	-	0.0	England, N.W.	Douglas (I.O.M.)								0.0	
	Banff	o.c.	o	49	45	-	-	0.0		Blackpool	c.	o	50	42	-	-		1.0	
	Montrose									Southport	c	c.o	48	39	-	-		2.4	
	St. Andrews	x	x	48	42	1	-	0.0		Marecambe	x	a	51	42	-	-			
England, N.E.	Harrogate	o.f. bc	bc am	45	39	-	-	0.0	Midlands.	Buxton								2.5	
	Scarborough	o	o	49	42	-	-	0.0		Leamington Spa	b	c b	49	40	-	-		0.2	
	Skegness	b.a. bc	a. bc. b	50	44	-	-	3.7		Malvern	e.	c	46	42	-	-		0.6	
	Lowestoft									Bath	o.c. bc.	o	51	46	-	-		0.0	
England, E.	Felixstowe	bc	b	49	46	-	-	4.6	Wales.	Rhyl	o.c.	c	48	45	-	-		0.1	
	Southend-on-Sea	c. bc	bc. c	50	41	0.2	-	5.0		Colwyn Bay	x	x	51	42	-	-		1.3	
	Tunbridge Wells	bc	bc	51	41	-	-	3.2		Llanidudno	c	c	51	46	-	-		0.0	
	Margate	bc. c. b	b. bc. b	50	45	-	-	3.6		Aberystwyth	o.c.	c.o	53	47	-	-			
England, S.E.	Ramsgate			47	45	-	-	4.6	England, S.W.	Tenby									
	Folkestone	o. bcw	bc. c	52	45	-	-	4.2		Swansea								0.0	
	Hastings	c. bc	bc. c. o	51	47	-	-	3.0		Weymouth	c.	c. o	54	50	-	-			
	Eastbourne	c. o	o. c. o	50	46	-	-	1.6		Teignmouth								0.0	
	Brighton	c. o. c.	c. o. bc	52	47	-	-	0.3		Torquay	o.	c	55	52	0.2	-		0.0	
	Worthing	bc	bc	52	48	0.3	-	1.8		Paignton	odp.	o	55	51	-	-		0.0	
	Littlehampton	o. c.	bc. o. c	58	46	-	-	2.0		Penzance	op	o	55	52	-	0.2		0.5	
	Portsmouth (S. base)	x	x	53	43	0.4	-	2.1		Newquay	om	o. bc. o	54	50	-	-		1.0	
	Bournemouth			52	47	-	-	1.2		Bude	c	c	57	48	-	-		0.0	
	Ventnor (I. of W.)			57	47	Trace	-	4.0		Ilfracombe	o.	o	54	50	0.1	0.3		0.0	
										Weston-s-Mare	c.	c	52	44	-	-			

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-13h	Night, 18h-7h	
Renfrew ...	o.f.	o.f.	o.f.	o.f.	50	45	42	mm.	mm.	0.0
Eskdalemuir ...	c.o. bc. c	c.o. bc. c	c.o. bc. c	o.	47	37	40	-	1	2.2
Valencia (Cahicay) ...	o.f. c. o	c. o. p.	o.f.	o.f.	55	44	43	1	26	0.1
Baldonnel ...	o.f. p.	o.f. p.	o.f.	o.f.	52	50	46	0.1	0.1	0.0
Manchester (Alex. Ph.) ...	b. bc. o. f.	o.f. o. f.	o.f. o. f.	o.f.	49	43	42	-	0.3	x
Ross on Wye ...	o.f. c. o. f.	o.f. o. f.	o.f. o. f.	o.f.	50	45	43	-	1	0.4
Falmouth ...	o. p.	o. p.	o.	o.	53	52	51	-	Trace	0.0
Calshot (Hants.) ...	c. o. f.	o. f.	o. f.	o. f.	51	45	47	-	1	1.5
Lymington (Folkestone) ...	o. f. bc. c. b	bc. c. b	bc. c. b	bc. c. b	49	44	41	-	Trace	6.4
Aberdeen ...	o. f. g.	o. f. g.	o. f. g.	g. p. r.	49	47	46	-	6	0.0
Howden ...	c. o. f.	c. o. f.	o. z. f.	o. f. o. f.	50	37	35	-	-	1.7
Cranwell (Lincs.) ...	c. o. f.	o.	c. o.	o.	50	38	36	-	-	3.1
Felixstowe ...	bc. c. b. c.	bc. c. f.	bc. c. f.	bc. c. f.	51	46	-	-	-	5.4
Shoeburyness ...	o. f. g.	o. f. g.	o. f. g.	o. f. g.	49	43	-	0.1	-	5.0
Benson ...	c. o. c. o	c. o. c. o	c. o.	o.	48	41	42	-	0.1	-
S. Farnborough ...	o. f. c. o	bc. c. f.	o. f. c. o	o. o. f.	50	38	36	-	Trace	0.5
London (Kew Obs.) ...	o. f. c. o	o. f. c. o	o. f. c. o	o. f. c. o	51	40	34	0.1	-	0.5
Croydon ...	bc. c. o. f.	bc. c. o. f.	bc. c. o. f.	bc. c. o. f.	50	42	-	Trace	Trace	x

BEAUFORT NOTATION.

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

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.5
3	8-12	3.6-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.7
7	32-38	13.8-16.7
8	39-46	16.8-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.1
11	64-75	28.2-33.5
12	Above 75	33.6 or above

SYMBOLS.

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

LONDON OBSERVATIONS.

STATIONS.	WEATHER.		Max. Temp. °F.		Min. Temp. °F.		Rainfall.		Sunshine to Sunset.		Humidity %	
	Morning.	Afternoon.	°F.	°F.	°F.	°F.	mm.	mm.	Hours.	Hours.	15 h. G.M.T.	9 h. G.M.T.
Greenwich (Royal Observatory)	bc	bc. c.	50	42	32	-	3.7	8.4	91			
City (Bunhill Row)							0.0					
Westminster (St. James's Park)			51	44	37	-	0.4	80	86			
Regent Pk. (Botanical Gds.)												
Camden Sq. (British Rainfall)	bc. m. c.	c. bc. m.	49	40	33	-		87	92			
Kensington Palace	bc	bc. o	51	38	34	0.3		85 (18h)	89			
Hampstead Observatory			47	39	38	Trace	0.2					

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	YESTERDAY.		TO-DAY.	
	15 h. G.M.T.	9 h. G.M.T.	15 h. G.M.T.	9 h. G.M.T.
Total	231			
Average Rate.	7.7			
Maximum Rate.	16			

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

Stations.	27th Nov. 1920.		28th Nov. 1920.	
	G.M.T.	Local.	G.M.T.	Local.
Yarmouth...	7.26	11.41	7.45	12.00
Greenwich	7.39	11.48	7.56	12.07
Wick	8.30	12.00	8.47	12.14
Valencia	8.22	11.54	8.39	12.07

Photographic Record of

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

Exposure from 12.15 to 1.15 m.

Star	Duration of Exposure.	Duration of Record.	%
Polaris	12.0	6.30	50
δ Ursae	13.0	5.9	40
Minoris			

NOTES ON THE WEATHER OF YESTERDAY.

Weather continued fair in the South-eastern districts, many stations recording four or five hours of sunshine. At Lymington there were 6.4 hours. Rainy conditions spread from Westward during the night, Valencia having a total of 27mm and Blackpool Point 18mm. Temperature continued above normal in nearly all localities.

* Information for these columns not usually received.

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

20.

TEMPERATURE.	
Max.	Min.
41	37
54	48
61	45
70	46
66	57
61	55
54	41
59	52
64	46
66	64
66	50

Weather. Sea.

low
North-
place
sion
lonic
es, rain
celand.
were
well

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21,556

SUNDAY, 28TH NOVEMBER, 1920.

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

STATIONS.	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.		Upper Cloud.		Sea	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.		Upper Cloud.		Sea	
									Form.	Amt. 0-10.	Form.	Amt. 0-10.										Form.	Amt. 0-10.	Form.	Amt. 0-10.		
12H. G.M.T. 27 th																											
Renfrew ...	1004.4	-3	NE 3	023f	48	97	2	1,250	St	10	-	-	X	1003.3	0	SE 4	023f	50	92	5	1,250	Nb	10	-	-	X	
Esksdalemuir ...	1005.4	-4	SE 2	023f	49	85	5	2,000	Nb	10	-	-	8	1004.7	-2	SE 3	02f	46	97	4	-	Nb	10	-	-	8	
Valencia (Cahire'n)	1006.8	+2	NW 4	0	48	75	8	2,000	Stcu	4	ast	6	4	1011.2	+6	NW 5	bc	46	75	8	2,000	Stcu	6	-	-	4	
Baldonnel ...	1001.6	-3	W 2	023f	50	97	4	750	Nb	10	-	-	8	1003.6	+4	NW 2	02	42	97	3	4500	St	10	-	-	8	
Manchester (Alex. F.)	1005.8	-4	SE 5	02f	49	85	3	3,000	Nb	8	ast	2	X	1005.1	-1	ESE 3	03f	50	85	3	4,200	Stcu	8	-	-	X	
Ross on Wye ...	1005.1	-2	S 2	0	53	85	8	2,000	Nb	10	-	-	8	1004.0	-1	SE 2	0	51	85	7	2,000	Stcu	10	-	-	8	
Falmouth ...	1001.9	-2	SSE 4	0	54	92	7	-	Stcu	10	-	-	8	1002.9	+1	NW 7	02f	50	92	4	-	Nb	10	-	-	8	
Calshot (Hants) ...	1006.1	-2	SSE 5	0	53	92	8	1,250	Stcu	9	C	1	4	1004.8	-1	SE 4	02f	51	97	7	1,250	St	10	-	-	3	
Lymington (Folkestone)	1009.4	-3	SE 4	01f	51	85	6	2,000	Stcu	9	-	-	8	1007.6	-2	SE 5	023f	50	85	5	2,000	Nb	10	-	-	8	
Aberdeen ...	1009.1	-1	SSE 4	02f	49	92	5	1,250	Nb	10	-	-	5	1007.6	-2	SSE 4	023f	48	92	5	1,250	Nb	10	-	-	X	
Howden ...	1007.9	-3	SE 3	023f	46	92	5	750	Nb	10	-	-	8	1007.0	-1	-	0	46	97	4	750	Nb	10	-	-	8	
Cranwell (Lincoln)	1008.7	-2	SE 4	02f	47	97	5	2,000	St	4	ast	2	X	1007.4	-1	SE 4	0	47	97	5	2,000	Stcu	10	-	-	X	
Felixstowe ...	1010.9	-2	SE 3	02f	48	85	5	4,200	Stcu	8	ast	2	8	1009.7	-1	SE 5	02f	49	85	5	5,700	Stcu	10	-	-	8	
Shoeburyness ...	1009.3	-2	SE 3	01f	50	85	6	2,000	Stcu	7	ast	2	8	1007.8	-3	BE 2	1f	47	65	4	2,000	Stcu	7	St	10	8	
Benson ...	1006.5	-2	SSE 4	0	53	85	6	-	Stcu	5	C	4	8	1004.9	-2	SSE 2	0	50	92	5	-	St	10	-	-	8	
S. Farnborough ...	1007.5	-2	SE 4	02f	53	85	5	2,000	St	10	-	-	8	1005.6	-3	SE 2	023f	51	97	3	750	Nb	10	-	-	8	
London (Kew Obs.)	1007.7	-3	SE 3	02f	53	85	5	4,200	Stcu	8	ast	2	8	1006.2	-1	SE 3	023f	50	92	3	2,000	Nb	10	-	-	8	
Croydon ...	1008.9	-1	SE 4	01f	52	85	6	1,250	Stcu	7	ast	3	8	1007.1	-2	SE 3	02f	49	92	4	1,250	Nb	10	-	-	8	
1H. G.M.T. OF 28 th																											
Renfrew ...	1007.2	+2	N 1	03f	45	92	3	-	St	10	-	-	8	1010.9	+3	-	0	023f	47	97	2	1,250	St	10	-	-	8
Esksdalemuir ...	1007.2	+5	NNW 5	bc	46	-	-	-	-	-	-	-	8	1010.3	+3	-	0	0	44	92	6	-	St	9	-	-	8
Valencia (Cahire'n)	1010.8	+5	NNW 4	023f	42	85	5	1,250	St	10	-	-	8	1020.3	+3	NNW 2	bc	45	65	8	4,200	Stcu	4	ast	2	8	
Baldonnel ...	1010.8	+5	NNW 4	023f	42	85	5	1,250	St	10	-	-	8	1015.2	+4	NNW 2	0	41	85	7	3,000	Stcu	8	-	-	8	
Manchester (Alex. F.)	1008.8	+4	NE 2	03f	47	92	3	3,000	Nb	9	-	-	8	1008.8	+4	NE 2	03f	47	92	3	3,000	Nb	9	-	-	8	
Ross on Wye ...	1008.4	+6	N 1	02f	48	97	4	750	St	10	-	-	8	1008.4	+6	N 1	02f	48	97	4	750	St	10	-	-	8	
Falmouth ...	1012.1	+6	NW 7	02f	46	85	7	-	Nb	10	-	-	8	1012.1	+6	NW 7	02f	46	85	7	-	Nb	10	-	-	8	
Calshot (Hants) ...	1006.1	+5	-	0	023f	49	97	5	1,250	St	10	-	2	1006.1	+5	-	0	023f	49	97	5	1,250	St	10	-	-	0
Lymington (Folkestone)	1005.5	-2	SSE 5	023f	44	92	4	750	Nb	10	-	-	8	1005.6	-2	SSW 2	02f	50	97	5	4500	St	10	-	-	8	
Aberdeen ...	1012.1	+2	-	0	023f	48	97	5	1,250	Nb	10	-	4	1012.1	+2	-	0	023f	48	97	5	1,250	Nb	10	-	-	4
Howden ...	1009.2	+4	-	0	02f	46	97	3	750	Nb	10	-	8	1009.2	+4	-	0	02f	46	97	3	750	St	10	-	-	8
Cranwell (Lincoln)	1006.9	0	SE 3	0	46	97	4	1,250	St	10	-	-	8	1006.9	+2	NNE 2	023f	46	97	4	1,250	Nb	10	-	-	8	
Felixstowe ...	1008.9	-1	SE 4	bc2f	48	97	5	5,700	Stcu	5	-	-	3	1007.6	0	SE 4	023f	49	97	4	750	Nb	10	-	-	5	
Shoeburyness ...	1008.3	+1	-	0	01f	47	92	5	2,000	St	10	-	8	1008.3	+1	-	0	01f	47	92	5	2,000	St	10	-	-	8
Benson ...	1006.4	+3	ENE 1	0	48	97	5	-	St	10	-	-	8	1006.4	+3	ENE 1	0	48	97	5	-	St	10	-	-	8	
S. Farnborough ...	1007.4	+3	SW 2	03f	49	97	2	750	St	10	-	-	8	1007.4	+3	SW 2	03f	49	97	2	750	St	10	-	-	8	
London (Kew Obs.)	1005.9	+3	NE 2	023f	49	97	3	1,250	St	10	-	-	8	1005.9	+3	NE 2	023f	49	97	3	1,250	St	10	-	-	8	
Croydon ...	1007.0	+2	-	0	02f	48	97	2	1,250	St	10	-	8	1007.0	+2	-	0	02f	48	97	2	1,250	St	10	-	-	8
7H. G.M.T. OF 28 th																											
1010.9	+3	-	0	023f	47	97	2	1,250	St	10	-	-	8	1010.3	+3	-	0	0	44	92	6	-	St	9	-	-	8
1020.3	+3	NNW 2	bc	45	65	8	4,200	Stcu	4	ast	2	-	8	1015.2	+4	NNW 2	0	41	85	7	3,000	Stcu	8	-	-	8	
1008.8	+4	NE 2	03f	47	92	3	3,000	Nb	9	-	-	8	1008.8	+4	NE 2	03f	47	92	3	3,000	Nb	9	-	-	8		
1008.4	+6	N 1	02f	48	97	4	750	St	10	-	-	8	1008.4	+6	N 1	02f	48	97	4	750	St	10	-	-	8		
1012.1	+6	NW 7	02f	46	85	7	-	Nb	10	-	-	8	1012.1	+6	NW 7	02f	46	85	7	-	Nb	10	-	-	8		
1006.1	+5	-	0	023f	49	97	5	1,250	St	10	-	-	8	1006.1	+5	-	0	023f	49	97	5	1,250	St	10	-	-	0
1005.6	-2	SSW 2	02f	50	97	5	4500	St	10	-	-	8	1005.6	-2	SSW 2	02f	50	97	5	4500	St	10	-	-	8		
1012.1	+2	-	0	023f	48	97	5	1,250	Nb	10	-	-	4	1012.1	+2	-	0	023f	48	97	5	1,250	Nb	10	-	-	4
1009.2	+4	-	0	02f	46	97	3	750	St	10	-	-	8	1009.2	+4	-	0	02f	46	97	3	750	St	10	-	-	8
1006.9	+2	NNE 2	023f	46	97	4	1,250	Nb	10	-	-	8	1006.9	+2	NNE 2	023f	46	97	4	1,250	Nb	10	-	-	8		
1007.6	0	SE 4	023f	49	97	4	750	Nb	10	-	-	8	1007.6	0	SE 4	023f	49	97	4	750	Nb	10	-	-	8		
1008.3	+1	-	0	01f	47	92	5	2,000	St	10	-	-	8	1008.3	+1	-	0	01f	47	92	5	2,000	St	10	-	-	8
1006.4	+3	ENE 1	0	48	97	5	-	St	10	-	-	8	1006.4	+3	ENE 1	0	48	97	5	-	St	10	-	-	8		
1007.4	+3	SW 2	03f	49	97	2	750	St	10	-	-	8	1007.4	+3	SW 2	03f	49	97	2	750	St	10	-	-	8		
1005.9	+3	NE 2	023f	49	97	3	1,250	St	10	-	-	8	1005.9	+3	NE 2	023f	49	97	3	1,250	St	10	-	-	8		
1007.0	+2	-	0	02f	48	97	2	1,250																			

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 28.11.20.

Districts	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Dull, misty, rain locally	Indiff.	Smooth
2. E. England	Dull, misty, rainy.	Peer	Slight
3. E. Midlands	Dull, misty, rainy.	"	"
4. W. Midlands	Dull, gloomy.	V. poor	"
5. S.W. England	Dull, squally.	Good	Rough
6. South Wales	Dull, rainy.	V. good	Slight
7. North Wales	Dull, squally	Fair	Rough
8. N.W. England	Dull, gloomy.	Peer	Slight
9. N. Midlands	Dull, rainy.	V. peer	"
10. N.E. England	Dull, misty, rainy.	Peer	Slight
11. E. Scotland	Dull, rainy, foggy.	Indiff.	Moderate
12. S.W. Scotland	Overcast	Fair	"
13. Isle of Man	Dull, squally.	"	"
14. N. & N.W. Scotland	Dull.	"	Slight
15. Hebrides	Dull.	"	Smooth
16. Orkneys and Shetlands	Dull, squally, rainy.	Indiff.	R. rough
17. N.W. Ireland	Fair.	Good	V. smooth
18. N.E. Ireland	Dull, squally.	Fair,	Moderate
19. S.E. Ireland	Cloudy to fine,	Good	Slight
20. S.W. Ireland	Fair.	V. good	"

Temperature reported from Coastal and Cross Channel Steamers

Position Number	Date	Time G.M.T.	Sea °F	Air °F
12	27 th	0450	52	59
5	27 th	0822	53	50
3	27 th	1020	54	53
6	27 th	1457	55	54

CHART OF POSITION NUMBERS and Upper Cloud

AG-2 9

Isallobars.



Lower Cloud.



EXPLANATION.

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

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

TEMPERATURE. is given in degrees F.

WEATHER SYMBOLS. — sky + cloud, clear sky, sky + cloud, overcast sky, rain falling, snow, sleet, fog, thunder, sea disturbance, rough, high waves.

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

A trough of low pressure, with three separate minima, extending from Shetland to the SE and S of England will move slowly North-eastward and become less deep, followed by some improvement in the weather over these Islands. It is probable however, that another disturbance will arrive shortly from the Atlantic, so that the conditions will continue unstable.

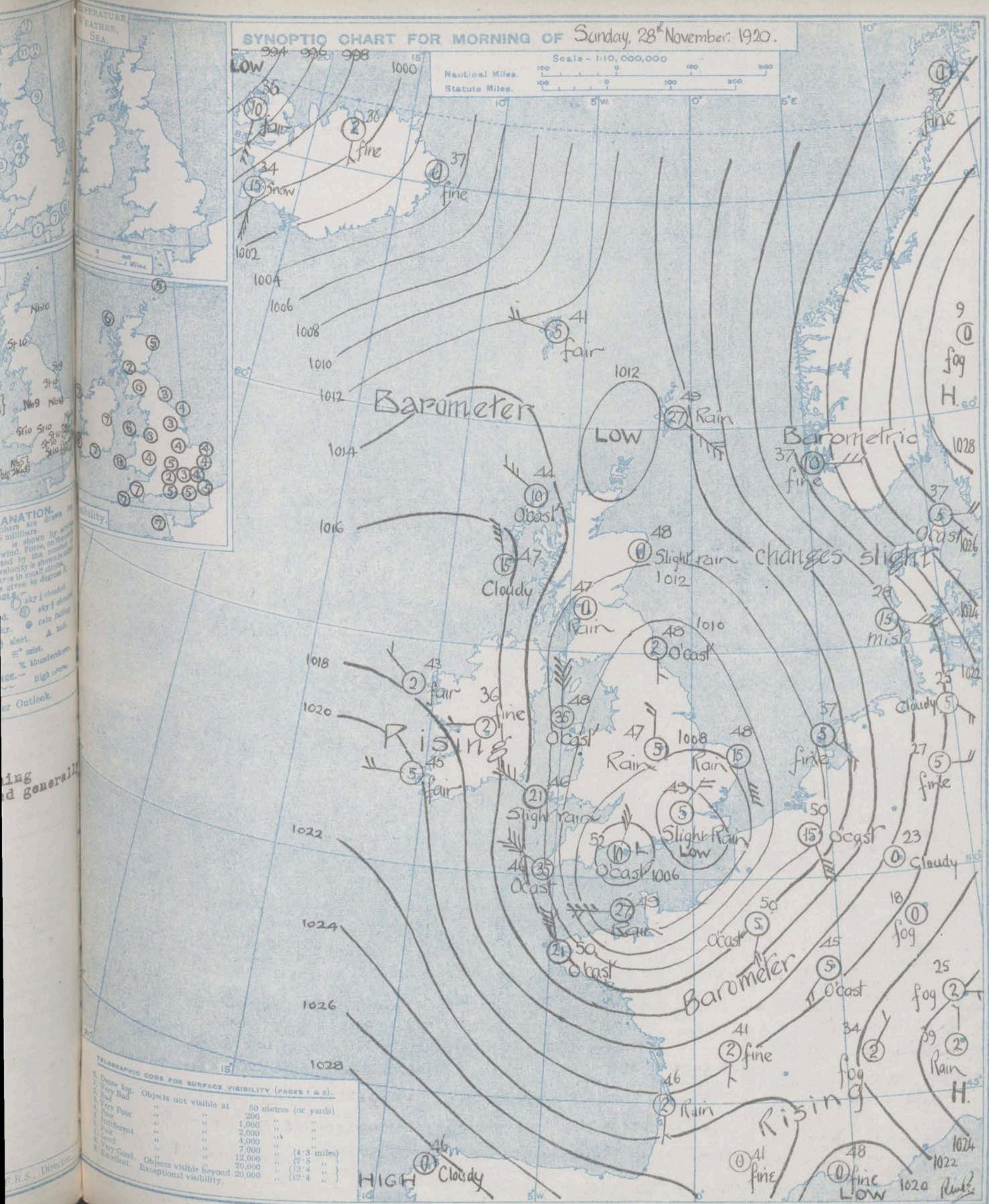
Districts. Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 28th November 1920

1. S.E. England	Wind between NE & NW, light or moderate, fresh locally; much low cloud, some rain, then improving temporarily. Visibility indifferent to fair.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind NW, backing to W or SW, moderate or fresh; changeable, some showers, visibility fair or good, moderate temperature.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Wind light, variable, then light NW or W. Dull, some rain or showers, fairer later. Visibility indifferent to fair. Moderate temperature.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Same as 5 - 8.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Wind backing to W or SW, light to fresh; Fair, then much cloud and some rain, visibility good to fair or indifferent, temperature rising.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Continuing unsettled generally

SYNOPTIC CHART FOR MORNING OF Sunday, 28th November, 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. 333.

Sunday
28th NOVEMBER

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. 18h-24h.	Day. 0h-12h.	Sunrise to Sunset.			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 18h-24h.	Day. 0h-12h.	Sunrise to Sunset.
						26 ^h 27 ^m	27 ^h 27 ^m	27 ^h							26 ^h 27 ^m	27 ^h 27 ^m	27 ^h
Scotland.	Oban	r.	ot.	49	47	3	15	0.0	England, N.W.	Douglas (I.O.M.)							0.0
	Banff	d.o.	od.	49	48	-	0.2	0.0		Blackpool	o	o	50	42	4	2	0.0
	Montrose									Southport	ot	yo	49	46	1	2	
	St. Andrews									Morecambe							
England, N.E.	Harrogate	op.	op	49	41	0.4	1	0.0	Midlands.	Buxton							0.5
	Scarborough	o	o	50	47	-	-	0.0		Leamington Spa	ot.	ot	52	43	-	-	0.0
	Skegness									Malvern	o.	o	51	45	4	-	1.0
										Bath	op. bc	o	54	49	1	-	0.0
England, E.	Lowestoft								Wales.	Rhyl					2		
	Felixstowe	om	omg	50	47	-	-	0.0		Colwyn Bay							0.8
	Southend-on-Sea	c	c.	50	43	-	-	0.1		Llandudno	*	*	54	48	1	0.3	0.5
										Aberystwyth	o.c.	c.o	54	49	-	-	
England, S.E.	Tunbridge Wells	o.	op.o	53	43	-	1	0.0	England, S.W.	Tenby							
	Margate	c.	c	50	45	-	-	0.3		Swansea							0.1
	Ramsgate	*	*	49	45	-	-	0.4		Weymouth	c.o.	p.o.	54	52	2	0.2	
	Folkestone									Teignmouth							1.1
	Hastings	ot.o	ot	54	48	0.2	-	0.0		Torquay	c.ot	bc.ot	55	53	3	0.4	0.4
	Eastbourne	o.	ot	53	49	0.2	1	0.0		Paignton	cp.bc	cp.op	57	52	4	4	0.0
	Brighton									Penzance	opr.	c.opr	54	47	1	4	
	Worthing	c.bc.	c.or	56	49	1	1	0.4		Newquay							0.0
	Littlehampton	bc.	o.cr	57	48	3	1	1.2		Bude	r.od.	r.o.cdr	55	50	3	2	0.0
	Portsmouth (S. of Sea)	x.	x.	56	46	1	0.4	2.4		Ilfracombe	o.c.bc	c.o	55	52	1	0.2	
	Bournemouth	*	*							Weston-s-Mare							
	Ventnor (I. of W.)	*	*														

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 WIND FORCE. Used only for surface observations. Limits of Velocity at about 30 feet above ground. No. Starute miles per hour. Metres per second.		
	WEATHER.					Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL. †								Sun. Hours.
	7h-12h	12h-18h	18h-24h	1h-7h	Dry. 7h-12h				Night. 12h-7h							
Renfrew ...	o. f. r.	o. f. r.	o. f. r.	o. f. r.	50	46	44	11	2	0.0	c	0	Less than 1	Less than 0.3		
Eskdalemuir ...	o. f. r.	o. f. r.	o. f. r.	o. f. r.	49	43	41	5	Trace	0.0	d	1	1-3	1.6-3.3		
Valencia (Cahire) ...	r. r. o.	o. c. o.	o. c. o.	o. c. o.	48	41	37	7	2	0.0	e	2	4-7	5.4-9.4		
Baldonnel ...	r. r. o.	o. c. o.	o. c. o.	o. c. o.	53	40	38	7	5	0.0	f	3	8-12	9.4-15.8		
Manchester (Ald. Pk.) ...	o. f. r.	o. f. r.	o. f. r.	o. f. r.	50	45	38	Trace	0.3	*	g	4	13-18	15.8-20.7		
Ross on Wye ...	o. f. r.	o. f. r.	o. f. r.	o. f. r.	53	48	45	1	-	0.2	h	5	19-24	20.7-27.8		
Falmouth ...	o.	o.	o.	o.	54	43	42	2	q	0.1	i	6	25-31	27.8-33.6		
Calshot (Hants) ...	o. o. o.	o. o. o.	o. o. o.	o. o. o.	54	49	46	1	4	2.7	m	7	32-38	33.6-41.5		
Lympne (Folkestone) ...	o. f. r.	o. f. r.	o. f. r.	o. f. r.	51	43	42	Trace	3	0.3	n	8	39-46	41.5-50.4		
Aberdeen ...	r. r. g.	o. f. r.	o. f. r.	o. f. r.	49	48	47	7	9	0.0	o	9	47-54	49.4-58.4		
Howden ...	r. r. g.	o. f. r.	o. f. r.	o. f. r.	47	44	42	0.4	9	0.0	p	10	55-65	58.4-69.4		
Cranwell (Lincs) ...	r. r. g.	o. f. r.	o. f. r.	o. f. r.	48	42	44	1	2	0.1	q	11	64-75	67.4-82.4		
Felixstowe ...	p. o. f.	o. f. r.	o. f. r.	o. f. r.	50	46	*	0.2	2	0.0	rs	12	Above 75	82.4 or above		
Shoeburyness ...	c. o. f.	o. f. r.	o. f. r.	o. f. r.	51	45	*	-	0.2	0.2	s					
Benson ...	bc. bc.	bc. bc.	bc. bc.	bc. bc.	54	46	44	-	10	*	t					
S. Farnborough ...	o. o. f.	o. o. f.	o. o. f.	o. o. f.	54	47	47	1	9	0.1	u					
London (Kew Obs.) ...	o. f. r.	o. f. r.	o. f. r.	o. f. r.	54	46	45	5	8	0.0	v					
Croydon ...	c. bc. bc.	o. f. r.	o. f. r.	o. f. r.	52	45	*	7	7	*	w					

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 28 th G.M.T. 28 th												YESTERDAY.		TO-DAY.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.	28 th AND 29 th NOVEMBER 1920.						
																	Stations.		Sunrise	Noon.	Sunset.		
Greenwich (Royal Observatory)	o	o. ot	o. ot m	53	46	46	7	0.0	90	98	G.M.T.		G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.				
City (Bunhill Row)	*	*	*	*	*	*	*	*	*	*	11.41		11.41	3.44	3.44	3.44	3.44	3.44	3.44				
Westminster (St. James's Park)	*	*	*	*	*	*	*	*	*	*	11.48		11.48	3.45	3.45	3.45	3.45	3.45	3.45				
Regent's Pk (Botanical Garden)	*	*	*	*	*	*	*	0.0	*	*	11.48		11.48	3.45	3.45	3.45	3.45	3.45	3.45				
Camden Sq. (British Rainfall)	om. c	o. ot	*	54	50	45	13	*	83	99	12.0		12.0	3.47	3.47	3.47	3.47	3.47	3.47				
Kensington Palace	o	ot	*	54	45	45	17	*	99 (18h)	99	12.29		12.29	4.34	4.34	4.34	4.34	4.34	4.34				
Hampstead Observatory	*	*	*	52	45	45	15	0.0	*	99	12.39		12.39	4.34	4.34	4.34	4.34	4.34	4.34				
												Total		Joules.		Milliwatts.		Average Rate.		Maximum Rate.			

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

Exposure from h. m. to h. m.

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

NOTES ON THE WEATHER OF YESTERDAY.
Rain fell very generally, the quantity being very large in some Western and Northern localities; 47 mm. at PEMBROKE, 28 mm. at WICK and 23 mm. at BALDONNEL. Scarcely any bright sunshine was recorded. Temperature exceeded 55°F at a few southern stations, but remained below 50°F over a considerable area in the west and north.

* Information for these columns not usually received.

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

LONDON

1920.

TEMPERATURE

Max. Min.

F. F.

43 39

56 30

61 25

64 19

68 15

72 11

76 7

80 3

84 0

88 0

92 0

96 0

100 0

104 0

108 0

112 0

116 0

120 0

124 0

128 0

132 0

136 0

140 0

144 0

148 0

152 0

156 0

160 0

164 0

168 0

172 0

176 0

180 0

184 0

188 0

192 0

196 0

200 0

204 0

208 0

212 0

216 0

220 0

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21,557 Monday, 29th November... 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. 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.
			Dirac.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Dirac.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.	
12H. G.M.T. 28 th														18H. G.M.T. OF 28 th														
Renfrew ...	1014.2	+2	-	0	02f	43	92	4	4,200	ST	10	-	-	-	1015.5	+2	NH	1	0	44	92	4	4,200	ST	2	-	-	-
Eskaudemuir ...	1013.2	+2	H	4	0	44	85	7	2,000	ST	10	-	-	-	1014.1	+1	N	4	0	44	85	6	2,000	ST	9	-	-	-
Valencia (Cahire's) ...	1020.7	-1	0	0	0	48	65	8	4,200	ST	7	AS	1	3	1018.0	-3	SE	3	0	45	65	8	3,000	ST	9	-	-	3
Baldonnel ...	1017.5	-1	NW	2	0	46	75	9	4,200	ST	1	AS	2	-	1017.8	+1	NNH	2	0	40	85	5	4,200	ST	4	-	-	-
Manchester (Alex. PK) ...	1011.4	+2	NH	2	0	49	92	2	3,000	ST	10	-	-	-	1012.0	+2	H	3	0	47	92	3	2,000	ST	10	-	-	-
Ross on Wye ...	1012.1	+4	NH	2	0	52	85	5	3,000	ST	10	-	-	-	1014.7	+3	NNH	2	0	48	85	8	2,000	ST	10	-	-	-
Falmouth ...	1017.3	+3	NH	7	0	49	75	7	-	Cu	7	-	-	-	1019.2	+4	NH	3	0	44	85	7	-	Cu	1	-	-	-
Calshot (Hants) ...	1011.8	+4	NH	3	0	50	92	5	1,250	ST	10	-	-	-	1014.5	+3	N	3	0	50	97	5	2,000	ST	10	-	-	2
Lymington (Folkestone) ...	1011.4	?	S	7	0	47	97	5	4,500	ST	10	-	-	-	1014.6	+3	S	5	0	46	97	4	4,500	ST	10	-	-	-
Aberdeen ...	1014.3	+2	NH	3	0	47	92	7	1,250	ST	10	-	-	-	1015.2	+1	NH	3	0	46	92	6	1,250	ST	10	-	-	4
Howden ...	1010.7	F1	-	0	0	48	97	2	1,250	ST	10	-	-	-	1011.9	+2	0	0	47	97	3	1,250	ST	10	-	-	-	
Cranwell (Lincoln) ...	1010.5	+1	NH	3	0	47	97	2	1,250	ST	10	-	-	-	1012.6	+2	NNH	3	0	47	97	2	1,250	ST	10	-	-	-
Felixstowe ...	1011.3	+4	S	4	0	48	97	5	750	ST	10	-	-	-	1013.8	+3	SW	3	0	48	97	4	1,250	ST	10	-	-	4
Shoeburyness ...	1010.4	+9	-	0	0	48	92	3	-	ST	10	-	-	-	1013.7	+6	0	0	48	92	2	-	ST	10	-	-	-	
Benson ...	1010.8	+3	NH	1	0	48	92	3	-	ST	10	-	-	-	1013.5	+3	NH	1	0	48	97	3	-	ST	10	-	-	-
S. Farnborough ...	1011.0	+4	W	2	0	50	92	3	1,250	ST	10	-	-	-	1014.3	+4	NNH	1	0	48	97	3	750	ST	10	-	-	-
London (New Obey) ...	1010.6	+4	NH	2	0	50	92	3	1,250	ST	10	-	-	-	1014.1	+3	0	0	48	97	3	750	ST	10	-	-	-	
Croydon ...	1011.0	+5	NNH	2	0	48	97	3	4,500	ST	10	-	-	-	1014.3	+4	NNH	3	0	48	97	3	4,500	ST	10	-	-	-
1H. G.M.T. OF 29 th														7H. G.M.T. OF 29 th														
Renfrew ...	1014.1	0	N	2	0	44	92	5	-	ST	10	-	-	-	1011.3	-3	0	0	44	97	3	1,250	ST	10	-	-	-	
Eskaudemuir ...	1013.1	-1	SW	5	0	44	85	7	-	ST	10	-	-	-	1011.7	-2	0	0	44	92	4	700	ST	10	-	-	-	
Valencia (Cahire's) ...	1020.7	-1	SW	5	0	48	65	8	-	ST	10	-	-	-	1018.0	-3	SE	3	0	45	65	8	3,000	ST	9	-	-	3
Baldonnel ...	1017.5	-1	NW	2	0	46	75	9	-	ST	10	-	-	-	1017.8	+1	NNH	2	0	40	85	5	4,200	ST	4	-	-	-
Manchester (Alex. PK) ...	1011.4	+2	NH	2	0	49	92	2	3,000	ST	10	-	-	-	1012.0	+2	H	3	0	47	92	3	2,000	ST	10	-	-	-
Ross on Wye ...	1012.1	+4	NH	2	0	52	85	5	3,000	ST	10	-	-	-	1014.7	+3	NNH	2	0	48	85	8	2,000	ST	10	-	-	-
Falmouth ...	1017.3	+3	NH	7	0	49	75	7	-	Cu	7	-	-	-	1019.2	+4	NH	3	0	44	85	7	-	Cu	1	-	-	-
Calshot (Hants) ...	1011.8	+4	NH	3	0	50	92	5	1,250	ST	10	-	-	-	1014.5	+3	N	3	0	50	97	5	2,000	ST	10	-	-	2
Lymington (Folkestone) ...	1011.4	?	S	7	0	47	97	5	4,500	ST	10	-	-	-	1014.6	+3	S	5	0	46	97	4	4,500	ST	10	-	-	-
Aberdeen ...	1014.3	+2	NH	3	0	47	92	7	1,250	ST	10	-	-	-	1015.2	+1	NH	3	0	46	92	6	1,250	ST	10	-	-	4
Howden ...	1010.7	F1	-	0	0	48	97	2	1,250	ST	10	-	-	-	1011.9	+2	0	0	47	97	3	1,250	ST	10	-	-	-	
Cranwell (Lincoln) ...	1010.5	+1	NH	3	0	47	97	2	1,250	ST	10	-	-	-	1012.6	+2	NNH	3	0	47	97	2	1,250	ST	10	-	-	-
Felixstowe ...	1011.3	+4	S	4	0	48	97	5	750	ST	10	-	-	-	1013.8	+3	SW	3	0	48	97	4	1,250	ST	10	-	-	4
Shoeburyness ...	1010.4	+9	-	0	0	48	92	3	-	ST	10	-	-	-	1013.7	+6	0	0	48	92	2	-	ST	10	-	-	-	
Benson ...	1010.8	+3	NH	1	0	48	92	3	-	ST	10	-	-	-	1013.5	+3	NH	1	0	48	97	3	-	ST	10	-	-	-
S. Farnborough ...	1011.0	+4	W	2	0	50	92	3	1,250	ST	10	-	-	-	1014.3	+4	NNH	1	0	48	97	3	750	ST	10	-	-	-
London (New Obey) ...	1010.6	+4	NH	2	0	50	92	3	1,250	ST	10	-	-	-	1014.1	+3	0	0	48	97	3	750	ST	10	-	-	-	
Croydon ...	1011.0	+5	NNH	2	0	48	97	3	4,500	ST	10	-	-	-	1014.3	+4	NNH	3	0	48	97	3	4,500	ST	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 8 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
18H. G.M.T. of 28 th						19 th						24 HOURS ENDED 7H. 29 th						28 th			
Lerwick	1010.7	47	SE	3	023f	1014.4	-5	47	-2	SE	3	-	om	2	12	48	44	om r	om r	0	4
Stornoway	1018.1	40	N	2	bc	1008.7	-7	43	-7	-	0	-	f	0	-	46	38	o bc	b bc	bc. b	3.8
Castlebay (Barra)	1017.4	45	N	2	b	1008.0	-5	49	-2	SE	5	-	o	6	-	49	44	c bc	bc b	b. o	5.4
Blackod Head	1015.3	47	NNH	2	bc	1006.7	-2	40	-2	S	2	5	o	3	-	52	40	bc p	bc v	o	1.6
Roche's Point	1016.0	44	S	1	bc	1000.0	-9	40	+2	SE	5	-	om p	5	0.8	63	40	bc	bc	bc	0
Birr Castle	1020.0	43	-	0	b	1004.9	-8	60	49	SE	5	-	or	5	4	50	37	b bc	c bc b	b om	0
Donaghadee	1014.1	36	NW	1	b	1005.2	-	44	+8	SE	3	-	r	0	1	45	52	b	b	or	6.4
Liverpool (Bidston)	1015.2	48	N	2	om	1011.3	-2	43	-5	W	1	-	c	1	-	49	45	og	om	om	0
Holyhead	1013.0	47	NNH	2	o	1012.0	-1	44	-3	W	1	W	o	1	-	49	40	og m	om	c o	0.0
Pembroke (St. Mary's)	1012.2	49	NH	6	pt o	1011.7	-3	46	-2	SW	5	-	og	4	1	50	40	oc q	op d	og	0.4
Scilly (St. Mary's)	1017.7	47	N	3	bc v	1015.6	-4	49	+3	S	4	-	o	3	-	53	43	or c	bc v	bc v or	1.7
Jersey (St. Aubin)	1020.6	46	NNH	3	bc	1011.9	-3	22	?	S	5	5	og	5	0.2	52	47	c bc	bc	c or	6.8
Portland Bill	1016.6	51	NH	5	og	1015.4	0	48	-1	SW	4	-	o	2	6	56	43	og cap	op og	og o	0.8
Dunegess	1013.6	49	SW	7	rg	1017.4	0	50	-2	NNH	5	-	o	5	-	54	45	o	o	bc o	0
Wick	1015.1	45	N	4	og	1017.1	1	48	5	NNH	3	SW	c	4	11	53	47	cgr gr	g or	g or	0
Nairn	1015.1	45	N	4	og	1010.4	-3	48	44	SE	2	-	om	4	5	48	43	om p q	om p q	og om p	0
Leith	1017.2	44	NW	1	bc	1011.2	0	41	7	-	0	-	og	1	0.2	48	40	o og	og bc	bc op	0.0
Tynemouth	1014.6	46	NE	2	p	1011.1	-1	45	-1	SE	1	SE	c	2	2	47	44	bm o	bc o	bc o	0
Spurn Head	1012.1	48	N	2	023f	1012.1	0	47	-1	-	0	-	03f	3	1	48	47	f	f	om om	0
Yarmouth (Old London)	1011.0	47	N	1	fr	1010.7	0	46	-2	SW	2	-	om	3	1	49	43	om p	om p	f om	0
Clacton-on-Sea	1013.2	43	SSW	8	o	1015.8	0	47	-1	SW	3	-	om	2	2	50	47	om p	op og	or om	0.0
Nottingham	1012.7	49	N	1	o	1016.4	0	46	-8	SW	2	-	og m	2	6	49	45	og m	og m	og m	0.0
						1015.0	-	41	-6	SW	2	SW	2	4	2	40	41	r om	d m o	0	0.0

* Information for 18th 28th

Temperature reported from Coastal and
Cross Channel Steamers.

Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
4A	28 th	0520	52	51



CHART OF
POSITION
NUMBERS
and
Upper
Cloud

Also
Also
Also
Also

Lower Cloud.

1010 1016 1020 1024 1028

{ 1016.6
1017.4

1010 1016 1020 1024 1028

1010 1016 1020 1024 1028

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

WIND.—Direction. For the wind blowing from the north, the letter N is used, and so on. The force of the wind is indicated by the number of feathers. Mean velocity is shown in figures, and the force in words, per hour by figures in parentheses. TEMPERATURE is given in degrees.

WEATHER SYMBOLS.—

☉	sky clear	☁	sky cloudy
☁	sky 1/2 clouded	☁	sky 3/4 clouded
☁	overcast sky	☁	rain falling
✱	snow	☁	sleet
☁	fog	☁	mist
☁	thunder	☁	thunder and rain

SEA DISTURBANCE.—

☁	Rough	☁	High waves
---	-------	---	------------

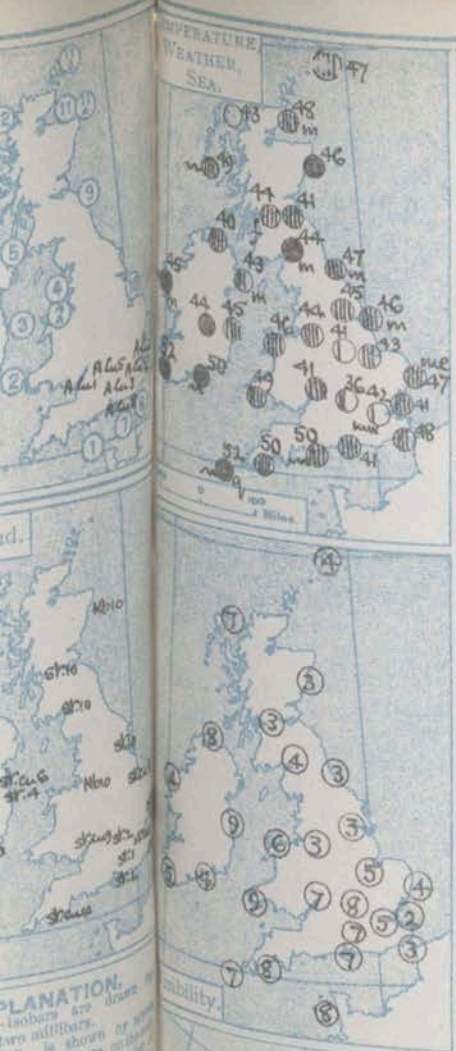
Weather Outlook.

Unsettled
generally for two
or three days.

↓ South Cone hoisted this morning

SYNOPTIC CHART FOR MORNING OF Monday, 29th November, 1920.

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



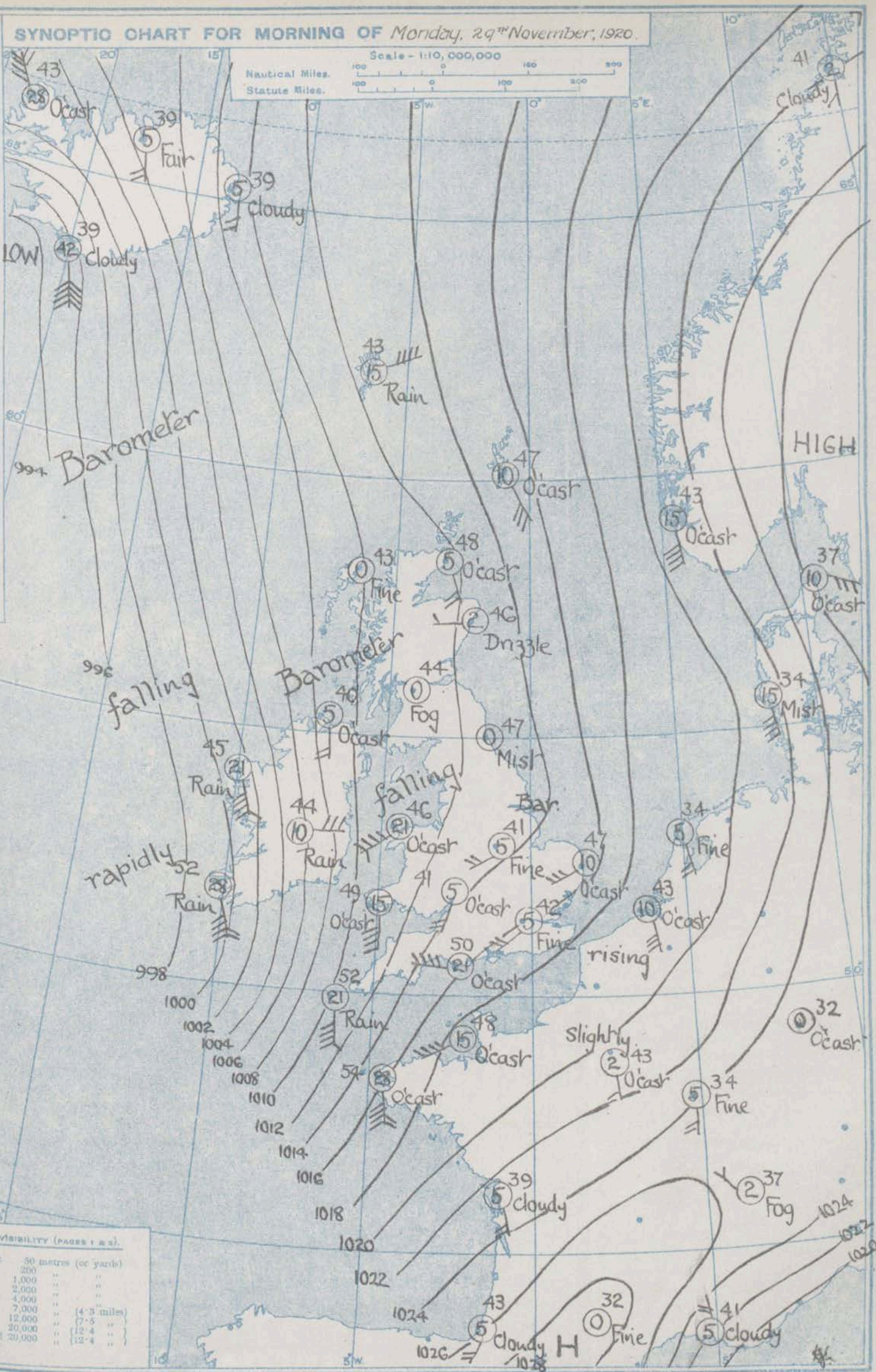
PLANATION.
Isobars are drawn at two millibars.
Wind is shown by the number of flags and the direction of the arrow.
The wind force is shown by the number of flags.
The wind velocity is shown by the number of flags.
The wind direction is shown by the number of flags.
The wind force is shown by the number of flags.
The wind velocity is shown by the number of flags.
The wind direction is shown by the number of flags.

settled
ly for two
days.

one
ed this morning

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

Code	Description	Objects not visible at	Distance
0	Very Poor	50 metres (or yards)	
1	Very Bad	200 "	
2	Bad	1,000 "	
3	Very Poor	2,000 "	
4	Poor	4,000 "	
5	Indifferent	7,000 "	(4.3 miles)
6	Fair	12,000 "	(7.5 "
7	Good	20,000 "	(12.4 "
8	Very Good	30,000 "	(18.6 "
9	Excellent	Exceptional visibility.	



WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 28 th																		
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-12h.	Day. 12h-12h.	Sunrise to Sunset.				Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-12h.	Day. 12h-12h.	Sunrise to Sunset.
						21 st -22 nd	22 nd -23 rd	23 rd -24 th								21 st -22 nd	22 nd -23 rd	23 rd -24 th
Scotland.	Oban									England, N.W.	Douglas (I.O.M.)							
	Banff	cl	cl	48	46	3	3	0.0			Blackpool	cc	cc	49	44	-	-	0.0
	Montrose										Southport	cc	cc	48	45	-	-	0.0
	St. Andrews										Morecambe							
England, N.E.	Harrogate	alm	adm	46	45	5	-	0.0		Midlands.	Buxton							0.0
	Scarborough										Leamington Spa	od	o	49	45	-	-	0.0
	Skegness										Malvern							0.0
	Lowestoft										Bath	o	o	52	49	-	-	0.0
England, E.	Felixstowe	omd	omd	49	48	2	2	0.0		Wales.	Rhyl	r	r	51	45	0.3	0.6	0.0
	Southend-on-Sea	odf	gfd	48	45	0.4	3	0.0			Colwyn Bay	-	-	49	44	1	8	0.0
											Llandudno	d	d	51	47	1	6	
											Aberystwyth							
England, S.E.	Tunbridge Wells	spo	or	50	47	7	3	0.0		England, S.W.	Tenby							
	Margate			52	46	2	3	0.0			Swansea							1.3
	Ramsgate			50	46	2	3	0.0										
	Folkestone	cc	cc	55	48	3	7	0.0			Weymouth	cc	c. bc	54	48	-	-	
	Hastings	or	or	53	48	2	9	0.0			Teignmouth							
	Eastbourne	or	or	52	49	5	17	0.0		Torquay								
	Brighton	od. o	od. o	51	50	15	0.3	0.0		Paignton	c. bc	c. o. bc	51	42	1	1	0.5	
	Worthing	o	or. o	51	50	10	0.3	0.0		Penzance	c. bc	bc. c	52	45	3	-	2.0	
	Littlehampton									Newquay	cc	b	49	45	3	-	0.5	
	Portsmouth (S. base)			51	49	2	-	0.0		Bude	r	cc. bc	50	46	2.3	3	0.0	
	Bournemouth			52	47	2	-	0.0		Ilfracombe	o	o	54	51	12	0.1	0.4	
	Ventnor (I. of W.)									Weston-s-Mare	m. c	bc. c	52	48	-	-		

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.				THE BEAUFORT SCALE OF WIND FORCE.		
	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Gages. °F.	RAINFALL. †		Sun. Hours.	b blue sky (not more than a quarter covered). bc sky partly cloudy (one half covered). c generally cloudy (three quarters covered). d drizzle, or fine rain. e wet air without rain falling. f fog, or gloom. h hail, or lightning. m mist, or overcast sky. p passing showers. q squalls, or rain. rs sleet, i.e., rain and snow together. s snow. t thunder. u ugly, threatening sky. v unusual visibility. w dew, or hoar frost. y dry air; humidity less than 60 per cent. z dust haze; the turbid atmosphere of dry weather.						
	7h-12h 28	12h-12h 29	12h-12h 29	1h-7h 29				Day. 7h-12h	Night. 12h-7h								
Renfrew ...	cc	cc	cc	cc	50	41	32	1	0.0	0.0	Capital letters indicate intensity, and repetition of letters continuity, thus:— R = heavy rain. rr = continuous moderate rain. f.f. = continuous light rain.	No.	Limits of Velocity at about 50 feet above ground.	Metres per second.			
Eskdalemuir ...	cc	cc	cc	cc	46	42	41	1	0.3	0.0					Less than 1	Less than 0.9	
Valencia (Canterbury) ...	cc	cc	cc	cc	52	46	44	1	0.3	0.0					1-8	0.9-1.9	
Baldonnell ...	cc	cc	cc	cc	46	41	32	1	0.1	0.0					4-7	1.9-2.9	
MANCHESTER (4th) ...	cc	cc	cc	cc	50	44	41	0.1	0.1	4					8-12	2.9-3.9	
Ross on Wye ...	cc	cc	cc	cc	52	38	29	1	0.0	0.0					13-18	3.9-4.9	
Falmouth ...	cc	cc	cc	cc	50	38	32	1	0.0	0.0					19-24	4.9-5.9	
Calshot (Hants) ...	cc	cc	cc	cc	50	39	33	0.1	0.0	0.0					25-31	5.9-6.9	
Lympne (Folkestone) ...	cc	cc	cc	cc	49	41	35	10	0.0	0.0					32-38	6.9-7.9	
Aberdeen ...	cc	cc	cc	cc	48	45	43	6	1	0.0					39-46	7.9-8.9	
Howden ...	cc	cc	cc	cc	49	43	42	5	0.0	0.0					47-54	8.9-9.9	
Cranwell (Lincs) ...	cc	cc	cc	cc	48	44	40	5	1	0.0					55-63	9.9-10.9	
Felixstowe ...	cc	cc	cc	cc	50	45	40	2	2	0.0	64-76	10.9-11.9					
Shoeburyness ...	cc	cc	cc	cc	49	40	35	6	1	0.0	Above 75	12 or above					
Benson ...	cc	cc	cc	cc	49	45	40	1	0.0	0.0	SYMBOLS—						
S. Farnborough ...	cc	cc	cc	cc	50	45	40	1	0.0	0.0	Aurora ☆ Solar halo ☼						
London (Kew Obs.) ...	cc	cc	cc	cc	49	42	34	0.4	0.1	0.0	Rime ☼ Lunar halo ☼						
Croydon ...	cc	cc	cc	cc	49	41	35	0.3	0.1	0.0	Glazed frost ☼ Solar corona ☼						
											Glazed roads ☼ Lunar corona ☼						

LONDON. OBSERVATIONS.		WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
		Morning.	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.						
24 HOURS ENDED 9h G.M.T. 29 th										YESTERDAY.		TO-DAY.		29 th + 30 th November 1890.			
Vertical Component of Solar Radiation per Square Centimetre during yesterday.																	
Greenwich (Royal Observatory)	om	c.b	p. bc	49	40	38	0.3	0.0	94	88	Total 22 Joules.						
City (Bunhill Row)	"	"	"	"	"	"	"	0.0	"	"							
Westminster (St. James's Park)	"	"	om	50	40	38	"	0.0	85	88	Greenwich { 7.42 11.47 12.0 12.25 12.35 12.42						
Regents Park (Botanical Obs.)	"	"	"	"	"	"	"	0.0	"	"							
Camden Sq. (British Rainfall)	"	"	"	49	39	35	"	"	"	93	Wick { 7.35 12.1 12.29 12.35 12.42						
Kensington Palace	of	"	"	49	38	34	"	"	96 (18h)	92							
Hampstead Observatory	"	"	"	48	38	33	1	0.0	"	95	Valencia ... { 8.25 12.30 12.35 12.42						

Photographic Record of					NOTES ON THE WEATHER OF YESTERDAY.				
Pole Star (Polaris) and of 3 Ursae									
Minoris at Greenwich Observatory.									
Exposure from 11 ^h 15 ^m to 12 ^h 15 ^m					Rain fell almost everywhere, but at a few stations in the West there was none. Valencia recorded 15mm, Lerwick 12mm and Dungeness 11mm. There was a general deficiency of bright sunshine, but at Birr Castle and Jersey there were six hours. The maximum temperature was everywhere about 50°.				
Stars.	Duration of Exposure.		Duration of Record.						
Polaris	h.	m.	h.	m.	%				
3 Ursae	13	36	-	08	7				
Minoris	13	30	-	02	3				

* Information for these columns not usually received.

† Trace - rain has fallen but amount less than 0.1 mm

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 21557 TUESDAY 30TH NOVEMBER 1920.

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

OBSERVATIONS AND STATIONS CORRELATING REPORTS AT 1H, 7H, 10H AND 12H.																											
STATIONS	1H. G.M.T. OF ... 29 TH ...														1H. G.M.T. OF ... 30 TH ...												
	Barom. at M.S.L.	Change in 3 hours	Wind. Dir.	Force 0-12	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	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 ...	1009.0	-2	SE	3	0.4	47	85	6	St. Cu	6	Ac. Cu	4	*	1006.2	-3	SE	4	0.2	44	97	2	1250	Nb	10	-	-	*
Esksdalemuir ...	1010.4	-2	SSW	3	0	43	85	7	Nb	2	Ac. Cu	8	*	1008.1	-3	SE	2	0.2	40	92	3	-	Nb	10	-	-	*
Valencia (Cahire'n)	1008.1	+8	SSW	4	C	55	95	7	St. Cu	4	Cu	3	4	1006.9	+4	SW	2	b	49	75	7	2000	St. Cu	3	-	-	4
Baldonnel ...	1002.4	-9	S	6	0.9	52	85	6	St. Cu	4	Ac. Cu	1	*	1005.2	+4	SSW	3	b	49	55	5	3000	St. Cu	1	-	-	*
MANCHESTER (ALCY. TH.)	1012.6	-4	S	3	0.2	44	75	4	St. Cu	4	Ac. Cu	6	*	1009.6	-5	SSW	5	r	47	85	4	750	Nb	10	-	-	*
Ross on Wye ...	1013.0	-4	SSW	4	0.2	47	75	6	Nb	9	Ac. Cu	1	*	1010.7	-3	S	5	odq	49	92	5	1250	Nb	10	-	-	*
Falmouth ...	1009.7	-5	S	5	0.1	51	97	5	Nb	10	-	-	*	1011.6	+4	WSW	3	b	49	92	5	-	Cu	1	-	-	*
Calshot (Hants) ...	1016.2	-2	SSW	4	0	50	85	8	St. Cu	10	-	-	34	1014.0	-2	S	5	0.1	48	97	6	750	Nb	10	-	-	4
Lympe (Folkestone) ...	1017.5	-1	SSW	1	0	46	85	8	St. Cu	10	-	-	*	1017.7	0	SSW	4	0.1	47	85	6	1250	Nb	7	-	-	*
Aberdeen ...	1010.5	-2	-	0	b.4	45	92	2	-	-	-	-	4	1009.0	-1	S	3	0.2	48	85	5	750	St. Cu	10	-	-	4
Howden ...	1013.3	-2	SSW	3	0	43	93	3	St. Cu	9	-	-	*	1012.6	0	SSW	3	0.1	42	97	3	750	Nb	10	-	-	*
Cranwell (Lincoln) ...	1015.2	-2	S	3	0	44	85	6	St. Cu	10	-	-	*	1014.4	0	SSW	4	0.1	43	92	5	4200	St. Cu	10	-	-	*
Felixstowe ...	1017.9	-1	S	2	c.1	47	85	5	St. Cu	8	-	-	*	1015.2	0	S	4	0.2	47	85	5	2000	St. Cu	10	-	-	3
Shoeburyness ...	1017.6	-1	WSW	1	C	48	75	6	St. Cu	7	-	-	*	1017.1	0	S	1	C	47	85	6	3000	St. Cu	8	-	-	*
Benson ...	1014.5	-4	SSW	4	0	46	85	6	St. Cu	10	-	-	*	1013.4	-2	S	4	0	46	92	5	-	St. Cu	10	-	-	*
S. Farnborough ...	1016.3	-2	S	2	0	47	92	6	St. Cu	4	Ac. Cu	6	*	1015.2	-1	S	4	0.1	47	92	5	1250	Nb	10	-	-	*
London (Kew Obs.) ...	1016.8	-3	SSW	3	0.2	47	75	5	St. Cu	2	Ac. Cu	8	*	1015.7	-1	SSW	3	0.2	48	85	5	1250	St. Cu	10	-	-	*
Croydon ...	1017.6	-2	S	3	0.1	46	85	6	St. Cu	8	Ac. Cu	2	*	1015.7	-1	SW	4	0.2	47	85	4	1250	St. Cu	9	Ac. Cu	1	*
Renfrew ...	1008.5	+4	SSW	3	0	46	92	5	St. Cu	9	-	-	*	1008.5	+2	S	2	b	46	92	6	1250	St. Cu	2	-	-	4
Esksdalemuir ...	1010.4	-2	SSW	3	0	43	85	7	Nb	2	Ac. Cu	8	*	1010.4	+1	S	1	0.2	44	85	5	2000	St. Cu	10	-	-	*
Valencia (Cahire'n)	1006.1	-2	SSW	4	0	50	95	7	St. Cu	4	Cu	3	4	995.2	-11	SE	Y	0	54	75	Y	3000	St. Cu	10	-	-	*
Baldonnel ...	1009.6	+2	S	2	0	43	92	5	St. Cu	9	-	-	*	1006.6	-3	SSW	4	0.2	49	85	5	2000	St. Cu	5	Ac. Cu	4	*
MANCHESTER (ALCY. TH.)	1012.6	-4	S	3	0.2	44	75	4	St. Cu	4	Ac. Cu	6	*	1011.5	0	SSW	3	0.2	46	92	5	4200	St. Cu	3	-	-	4
Ross on Wye ...	1013.0	-4	SSW	4	0.2	47	75	6	Nb	9	Ac. Cu	1	*	1013.0	0	SW	1	0.2	45	97	5	750	St. Cu	10	-	-	*
Falmouth ...	1009.7	-5	S	5	0.1	51	97	5	Nb	10	-	-	*	1010.9	-3	S	5	0	52	97	6	-	Nb	10	-	-	*
Calshot (Hants) ...	1016.2	-2	SSW	4	0	50	85	8	St. Cu	10	-	-	34	1014.0	-2	S	5	0.1	48	97	6	750	Nb	10	-	-	4
Lympe (Folkestone) ...	1017.5	-1	SSW	1	0	46	85	8	St. Cu	10	-	-	*	1017.7	0	SSW	4	0.1	47	85	6	1250	Nb	7	-	-	*
Aberdeen ...	1010.5	-2	-	0	b.4	45	92	2	-	-	-	-	4	1009.0	-1	S	3	0.2	48	85	5	750	St. Cu	10	-	-	4
Howden ...	1013.3	-2	SSW	3	0	43	93	3	St. Cu	9	-	-	*	1012.6	0	SSW	3	0.1	42	97	3	750	Nb	10	-	-	*
Cranwell (Lincoln) ...	1015.2	-2	S	3	0	44	85	6	St. Cu	10	-	-	*	1014.4	0	SSW	4	0.1	43	92	5	4200	St. Cu	10	-	-	*
Felixstowe ...	1017.9	-1	S	2	c.1	47	85	5	St. Cu	8	-	-	*	1015.2	0	S	4	0.2	47	85	5	2000	St. Cu	10	-	-	3
Shoeburyness ...	1017.6	-1	WSW	1	C	48	75	6	St. Cu	7	-	-	*	1017.1	0	S	1	C	47	85	6	3000	St. Cu	8	-	-	*
Benson ...	1014.5	-4	SSW	4	0	46	85	6	St. Cu	10	-	-	*	1013.4	-2	S	4	0	46	92	5	-	St. Cu	10	-	-	*
S. Farnborough ...	1016.3	-2	S	2	0	47	92	6	St. Cu	4	Ac. Cu	6	*	1015.2	-1	S	4	0.1	47	92	5	1250	Nb	10	-	-	*
London (Kew Obs.) ...	1016.8	-3	SSW	3	0.2	47	75	5	St. Cu	2	Ac. Cu	8	*	1015.7	-1	SSW	3	0.2	48	85	5	1250	St. Cu	10	-	-	*
Croydon ...	1017.6	-2	S	3	0.1	46	85	6	St. Cu	8	Ac. Cu	2	*	1015.7	-1	SW	4	0.2	47	85	4	1250	St. Cu	9	Ac. Cu	1	*
Renfrew ...	1008.5	+4	SSW	3	0	46	92	5	St. Cu	9	-	-	*	1008.5	+2	S	2	b	46	92	6	1250	St. Cu	2	-	-	4
Esksdalemuir ...	1010.4	-2	SSW	3	0	43	85	7	Nb	2	Ac. Cu	8	*	1010.4	+1	S	1	0.2	44	85	5	2000	St. Cu	10	-	-	*
Valencia (Cahire'n)	1006.1	-2	SSW	4	0	50	95	7	St. Cu	4	Cu	3	4	995.2	-11	SE	Y	0	54	75	Y	3000	St. Cu	10	-	-	*
Baldonnel ...	1009.6	+2	S	2	0	43	92	5	St. Cu	9	-	-	*	1006.6	-3	SSW	4	0.2	49	85	5	2000	St. Cu	5	Ac. Cu	4	*
MANCHESTER (ALCY. TH.)	1012.6	-4	S	3	0.2	44	75	4	St. Cu	4	Ac. Cu	6	*	1011.5	0	SSW	3	0.2	46	92	5	4200	St. Cu	3	-	-	4
Ross on Wye ...	1013.0	-4	SSW	4	0.2	47	75	6	Nb	9	Ac. Cu	1	*	1013.0	0	SW	1	0.2	45	97	5	750	St. Cu	10	-	-	*
Falmouth ...	1009.7	-5	S	5	0.1	51	97	5	Nb	10	-	-	*	1010.9	-3	S	5	0	52	97	6	-	Nb	10	-	-	*
Calshot (Hants) ...	1016.2	-2	SSW	4	0	50	85	8	St. Cu	10	-	-	34	1014.0	-2	S	5	0.1	48	97	6	750	Nb	10	-	-	4
Lympe (Folkestone) ...	1017.5	-1	SSW	1	0	46	85	8	St. Cu	10	-	-	*	1017.7	0	SSW	4	0.1	47	85	6	1250	Nb	7	-	-	*
Aberdeen ...	1010.5	-2	-	0	b.4	45	92	2	-	-	-	-	4	1009.0	-1	S	3	0.2	48	85	5	750	St. Cu	10	-	-	4
Howden ...	1013.3	-2	SSW	3	0	43	93	3	St. Cu	9	-	-	*	1012.6	0	SSW	3	0.1	42	97	3	750	Nb	10	-	-	*
Cranwell (Lincoln) ...	1015.2	-2	S	3	0	44	85	6	St. Cu	10	-	-	*	1014.4	0	SSW	4	0.1	43	92	5	4200	St. Cu	10	-	-	*
Felixstowe ...	1017.9	-1	S	2	c.1	47	85	5	St. Cu	8	-	-	*	1015.2	0	S	4	0.2	47	85	5	2000	St. Cu	10	-	-	3
Shoeburyness ...	1017.6	-1	WSW	1	C	48	75	6	St. Cu	7	-	-	*	1017.1	0	S	1	C	47	85	6	3000	St. Cu	8	-	-	*
Benson ...	1014.5	-4	SSW	4	0	46	85	6	St. Cu	10	-	-	*	1013.4	-2	S	4	0	46	92	5	-	St. Cu	10	-	-	*
S. Farnborough ...	1016.3	-2	S	2	0	47	92	6	St. Cu	4	Ac. Cu	6	*	1015.2	-1	S	4	0.1	47	92	5	1250	Nb	10	-	-	*
London (Kew Obs.) ...	1016.8	-3	SSW	3	0.2	47	75	5	St. Cu	2	Ac. Cu	8	*	1015.7	-1	SSW	3	0.2	48	85	5	1250	St. Cu	10	-	-	*
Croydon ...	1017.6	-2	S	3	0.1	46	85	6	St. Cu	8	Ac. Cu	2	*	1015.7	-1	SW	4	0.2	47	85	4	1250	St. Cu	9	Ac. Cu	1	*
Renfrew ...	1008.5	+4	SSW	3	0	46	92	5	St. Cu	9	-	-	*	1008.5	+2	S	2	b	46	92	6	1250	St. Cu	2	-	-	4
Esksdalemuir ...	1010.4	-2	SSW	3	0	43	85	7	Nb	2	Ac. Cu	8	*	1010.4	+1	S	1	0.2	44	85	5	2000	St. Cu	10	-	-	*
Valencia (Cahire'n)	1006.1	-2	SSW	4	0	50	95	7	St. Cu	4	Cu	3	4	995.2	-11	SE	Y	0	54	75	Y	3000	St. Cu	10	-	-	*
Baldonnel ...	1009.6	+2	S	2	0	43	92	5	St. Cu	9	-	-	*	1006.6	-3	SSW	4	0.2	49	85	5	2000	St. Cu	5	Ac. Cu	4	*
MANCHESTER (ALCY. TH.)	1012.6	-4	S	3	0.2	44	75	4	St. Cu	4	Ac. Cu	6	*	1011.5	0	SSW	3	0.2	46	92	5	4200	St. Cu	3	-	-	4
Ross on Wye ...	1013.0	-4	SSW	4	0.2	47	75	6	Nb	9	Ac. Cu	1	*	1013.0	0	SW	1	0.2	45	97	5	750	St. Cu	10	-	-	*
Falmouth ...	1009.7	-5	S	5	0.1	51	97	5	Nb	10	-	-	*	1010.9	-3	S	5	0	52	97	6	-	Nb	10	-	-	*
Calshot (Hants) ...	1016.2	-2	SSW	4	0	50	85	8	St. Cu	10	-	-	34	1014.0													

STATIONS CONTRIBUTING REPORTS AT 7H. AND 15H.

STATIONS.	BAROM. at M.S.L.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall in. 24 hours.	TEMP.		WEATHER.			Sunshine Hours.	
			Dir. 0-12.	Force		at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir. 0-12.	Force					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.		
1st H. G.M.T. of 29 th						7th H. G.M.T. of 30 th						24 HOURS ENDED 7th 30 th										29 th
Lerwick	1009.9	49	ESE	6	og	1008.5	-1	47	0	SE	6	SE	ogr	5	4	48	44	0	ogr	ogr	ogr	*
Stornoway	1002.5	50	SSW	4	odp	1003.8	+2	46	+3	S	2	-	b	1	3	50	43	b. bc	codp	or. b	og	*
Castlebay (Barra)	1000.6	49	SE	7	or	1003.6	0	51	+2	SE	4	SE	b	4	3	51	47	op	opr	r. o. c. b	0.0	*
Malin Head	999.5	47	SW	3	cm	1003.3	-1	42	+2	SW	1	-	bc	2	2	50	44	omr	omr	cm. bc	0.0	*
Blackod Point	1001.3	50	W	2	bc	999.2	-2	48	+3	SE	5	-	bc	5	11	54	44	omr	bc	bc	*	*
Roche's Point	1007.9	50	W	3	b	1002.6	-5	52	+2	SE	5	-	0	5	9	55	47	r. bc	bc. b	b. o	*	*
Birr Castle	996.5	48	SW	1	c	1002.5	-	49	+5	SE	3	-	0	*	4	52	41	or.	or. c	c. o	0.0	*
Donaghadee	1083.0	49	SE	4	OMTQ	1008.4	0	43	0	SSW	2	W	b	3	6	51	41	cm	omr	acm	*	*
Liverpool (Bliston)	1006.3	45	SE	5	0	1010.5	0	44	0	SSW	2	-	b	2	5	49	44	com	ph. q	or. b	0.0	*
Holyhead	1005.0	50	S	6	r	1009.1	-1	48	+2	SSW	4	-	b	3	4	52	?	ogr	ogr	ob. bc. o	0.0	*
Pembroke (St. Mary's)	1003.4	53	SW	4	c	1009.7	-2	51	+2	SE	4	-	og	4	6	53	48	omqr	omqr	c. bc. c	0.0	*
Jersey (St. Aubin)	1011.4	53	WSW	3	c	1009.1	-3	53	+1	SE	5	-	om	6	4	54	52	orm	obcc	c. bc. bc. o	1.3	*
Portland Bill	1015.6	50	S	5	0	1015.7	0	51	+3	S	3	S	bc	4	3	51	48	o	opo	o. bc	0.0	*
Dungeness	1011.7	51	S	7	r	1014.0	0	52	+2	W	4	W	bc	6	2	54	47	ogr	ogr	ogr. bc	*	*
Wick	1017.5	50	SW	5	0	1015.2	+1	52	+4	SW	5	SW	bc	4	2	52	45	bcc	co	op. c. bc	*	*
Nairn	1006.1	48	SSW	4	OMTQ	1005.5	+2	47	-1	SSW	3	-	om	3	2	49	45	omq	omq. pd	omq. p	*	*
Leith	1005.5	43	E	1	0	1006.5	0	41	0	S	0	-	c	1	1	46	37	ocm	mcgo	op. p. c	1.6	*
Tynemouth	1006.6	44	SE	1	r	1008.5	+1	44	-1	NW	1	-	b	1	6	48	43	c. p. o	ogr. o. c	r. o. c. b	*	*
Spurn Head	1010.5	45	SSW	3	r. m	1011.1	+2	46	-1	SSW	2	-	0	3	3.4	48	43	om	omr	omq. om	*	*
Yarmouth (Der. Island)	1012.5	45	S	5	omr	1012.9	+1	46	0	SSW	4	-	c	2	0.4	47	42	om	cor	omq. om	*	*
Clacton-on-Sea	1017.3	46	SSW	3	0	1015.1	-1	48	+1	SSW	3	-	or	3	2	48	44	fe. bm	bc. o	ad. x. omr	0.0	*
Nottingham	1017.6	48	SSW	3	0	1014.9	0	49	+8	SW	3	-	0	2	1	49	48	og. bc. z	bc. z. co	og. om	0.9	*
	1013.5	45	SSW	3	or	1013.4	0	46	+5	S	1	S	0	2	2	49	40	co	or	r. o	0.6	*
* Information from ...																						

SUMMARY OF CONDITIONS AT 7 h. G.M.T. 30.11.1920.

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

Temperature reported from Coastal and Cross Channel Steamers.

Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
5	29th	0851	52	41
6	29th	1455	54	51
7	30th	0345	53	55
4A	30th	0450	51	50

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 the arrow. Force, in knots, is indicated by the number of feathers. Mean velocity is shown in figures per hour by figures in circles.
 TEMPERATURE.—Isobars are drawn at intervals of two degrees.
 WEATHER SYMBOLS.—
 ☉ clear sky. ☁ sky & cloud. ☂ rain falling. ☄ overcast sky. ☄ alt. rain. * snow. ☄ mist. ☄ fog. ☄ thunder. SEA DISTURBANCE.—Rough. High waves.

GENERAL INFERENCE from observations received up to 9h.

A new depression which is approaching Ireland will cause fresh to strong Southerly winds over the British Isles generally and gales over the Western districts, the weather remaining mild and very unsettled for the next few days in all districts.

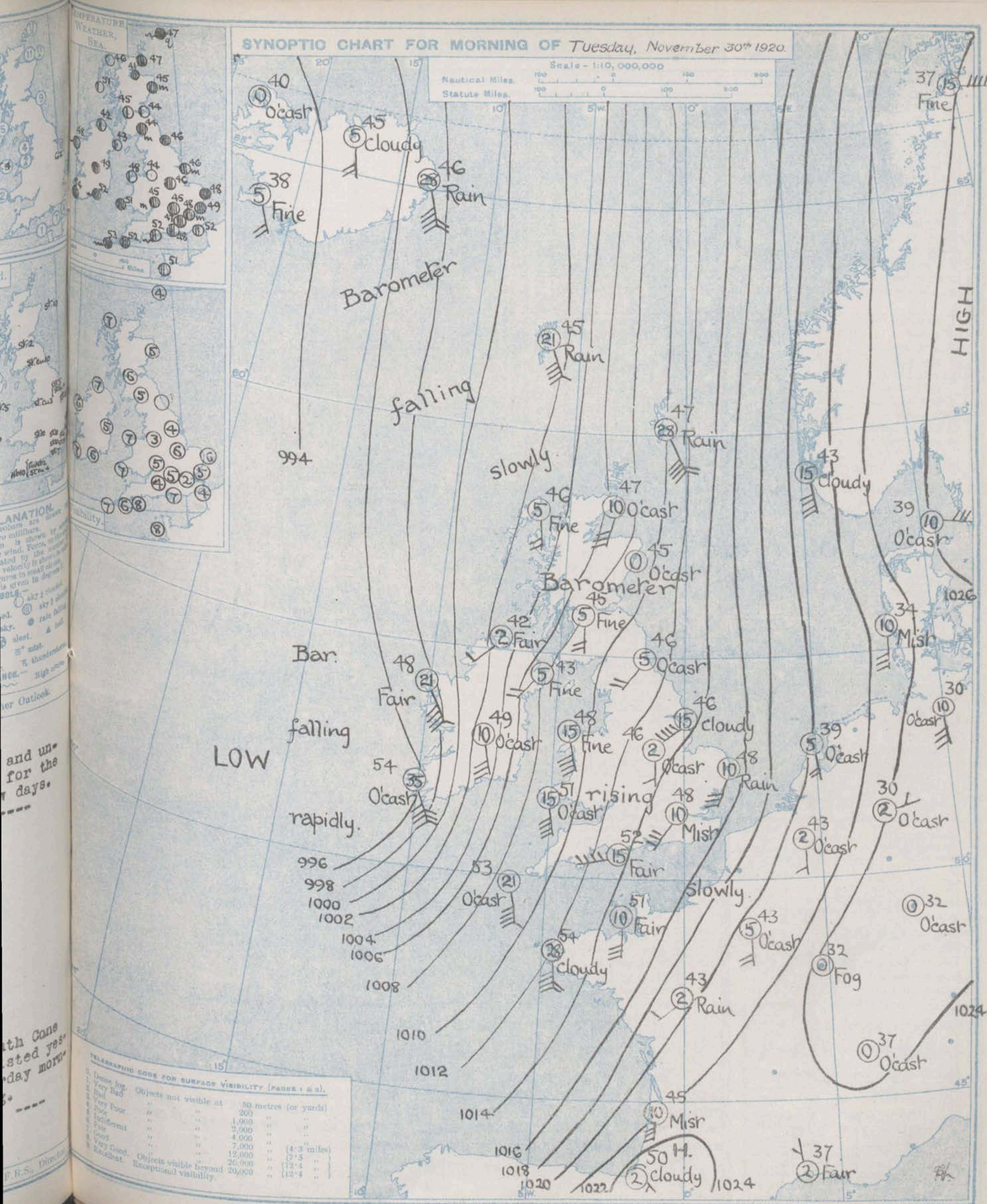
Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 30th November, 1920.
1. S.E. England	Freshening Southerly winds; much low cloud, some rain, visibility poor at times; mild.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Strong Southerly winds, a gale at times on the coast; much low cloud and rain, visibility poor at times; mild.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Same as 1 - 4.
10. N.E. England	
11. E. Scotland	Moderate to fresh S.E. wind; much low cloud, some rain, visibility indifferent to poor; mild.
12. S.W. Scotland	
13. Isle of Man	Fresh to strong S.E. to S. wind, a gale at times locally; much low cloud, some rain, visibility indifferent to poor; mild.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Wind Southerly, strong to a gale; much low cloud and rain, visibility indifferent to poor; mild.
18. N.E. Ireland	
19. S.E. Ireland	Same as 12 - 16.
20. S.W. Ireland	Same as 17.

Mild and unsettled for the next few days.

South Coast hoisted yesterday morning.

SYNOPTIC CHART FOR MORNING OF Tuesday, November 30th 1920.

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



ANATION
... are ...
... shown ...
... wind, force, ...
... velocity ...
... in degrees ...
... 2015 ...
... sky ...
... rain ...
... High ...
... Outlook ...

and un-
for the
days.

with Cone
sted yes-
day morn

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

Objects not visible at	30 metres (or yards)
1. Dense fog	200
2. Very 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	20,000
9. Excellent	20,000

Objects visible beyond 20,000 (12.4 miles)

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1920. No. 325.

TUESDAY
30th Nov 1920

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

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night, 12h-3h. 24-25	Day, 3h-12h. 26	Sunrise to Sunset. 27	Forenoon.			Afternoon.	Max. °F.	Min. °F.	Night, 12h-3h. 25-26	Day, 3h-12h. 27	Sunrise to Sunset. 28		
Scotland.	Oban	od	od	49	36	-	0.3	0.0	England, N.W.	Douglas (I.O.M.)								0.0	
	Banff	no	od	48	44	1	0.3	0.0		Blackpool	o	or	46	43	-	4		0.0	
	Montrose									Southport	oco	oro	45	44	-	4		0.0	
	St. Andrews	o	o	47	43	-	-	0.0											
England, N.E.	Harrogate	omo	oda	45	40	-	1	0.0	Midlands.	Buxton								0.0	
	Scarborough	o	or	49	42	-	1	1.2		Leamington Spa	o	or	46	36	-	2		0.0	
	Skewness	bcb o	obcor	47	44	2	0.2	2.2		Malvern	o	or	46	43	-	2		0.0	
	Lowestoft									Bath	co	ro	50	35	-	1		0.0	
England, E.	Felixstowe	af	og	48	46	3	-	0.6	Wales.	Rhyl	o	Y	48	42	-	1		0.0	
	Southend-on-Sea	oabc	co	50	40	1	-	1.2		Colwyn Bay	-	-	49	42	-	2		0.0	
										Llandudno	*	*	51	42	0.2	2		0.0	
										Aberystwyth	roc	cro	50	40	1	1		0.0	
England, S.E.	Tunbridge Wells	bbeo	o	48	40	1	-	1.7	England, S.W.	Tenby									
	Margate	e	e	49	46	1	-	0.6		Swansea								0.0	
	Ramsgate	*	*	48	44	1	-	0.4		Weymouth	o	or	52	40	0.2	2		0.0	
	Folkestone	oc	coq	50	45	3	-	0.9		Teignmouth								0.0	
	Hastings	orbeo	o	51	51	2	-	0.9		Torquay	otr	orr	51	38	0.1	5		0.0	
	Eastbourne	bcco	or	51	41	5	0.2	0.2		Paignton	otr	or	52	35	-	5		0.0	
	Brighton	o	o	51	41	3	-	0.3		Penzance	or	orcb	55	39	2	3		0.0	
	Worthing	o	o	51	38	-	-	0.0		Newquay	or	orob	53	40	1	3		0.0	
	Littlehampton	og	ry	52	38	1	-	0.0		Bude	roc	cbc	54	40	3	1		0.0	
	Portsmouth (Sithes)	-	-	50	39	-	1	0.0		Ilfracombe								0.0	
	Bournemouth	*	*	51	38	-	2	0.0		Weston-s-Mare	bccr	ror	50	39	-	6		0.0	
	Ventnor (I. of W.)	*	*																

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.	THE BEAUFORT SCALE	
	WEATHER.					Max. Temp. °F.	Min. Temp. °F.	Min. on Gages. °F.	WIND FORCE.				
	7h-12h	12h-1h	1h-2h	2h-3h	3h-4h				Day. 7h-12h.	Night. 12h-7h.		Limits of Velocity at about 30 feet above ground.	
											No.	Statute miles per hour.	Metres per second.
Renfrew ...	oafcof	oaf	oaf	oaf	oaf	47	39	31	1	4	0.0		
Esksdalemuir ...	oafcof	oaf	oaf	oaf	oaf	46	39	38	1	3	0.0		
Valencia (Cahire) ...	RRo	oaf	oaf	oaf	oaf	55	44	44	1	-	2.5		
Baldonnel ...	rrq	oaf	oaf	oaf	oaf	53	40	34	5	0.1	0.0		
Didsbury ...	oafcof	oaf	oaf	oaf	oaf	49	41	31	2	1	4		
Ross on Wye ...	oafcof	oaf	oaf	oaf	oaf	50	41	35	0.4	0.3	0.0		
Falmouth ...	oaf	oaf	oaf	oaf	oaf	53	47	38	5	-	0.0		
Calshot (Hants) ...	oaf	oaf	oaf	oaf	oaf	53	40	34	1	2	0.0		
Lymington (Hants) ...	oaf	oaf	oaf	oaf	oaf	50	43	34	0.1	3	1.2		
Aberdeen ...	oaf	oaf	oaf	oaf	oaf	48	45	41	0.4	0.3	0.0		
Howden ...	oaf	oaf	oaf	oaf	oaf	47	40	35	1	2	1.2		
Cranwell (Lincs) ...	bbeo	co	oaf	oaf	oaf	47	39	36	1	1	1.7		
Felixstowe ...	oaf	oaf	oaf	oaf	oaf	50	45	40	-	1	0.6		
Shoeburyness ...	oaf	oaf	oaf	oaf	oaf	50	44	40	1	1	1.4		
Benson ...	bcco	o	oaf	oaf	oaf	49	34	35	0.2	0.3	0		
S. Farnborough ...	oaf	oaf	oaf	oaf	oaf	49	34	37	1	1	0.0		
London (Kew Obs.) ...	oaf	oaf	oaf	oaf	oaf	50	40	39	0.1	1	0.3		
Croydon ...	oaf	oaf	oaf	oaf	oaf	50	40	39	0.1	2	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.
n	overcast sky.
p	passing showers.
q	squalls.
r	rain.
rs	sleet, i.e., rain and snow together.
s	snow.
t	thunder.
u	ugly, threatening sky.
v	unusual visibility.
w	dew.
x	hoar frost.
y	dry air; humidity less than 60 per cent.
z	dust haze; the turbid atmosphere of dry weather.

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

Auroa	☄	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.						5h. G.M.T.	9h. G.M.T.		Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.						
	24 HOURS ENDED ON G.M.T. 30 th								YESTERDAY. TO-DAY.							30 th Nov. & 1 st Dec ^r 1890.					
Greenwich (Royal Observatory)	c. o	a. o p	2. o	50	40	44	1	1.1	78	96	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Yarmouth... { 741 742 11.42 343	Greenwich { 744 745 11.49 354	Wick ... { 837 838 12.1 432	Valencia ... { 827 829 12.30 432						
City (Bunhill Row)	"	"	"	"	"	"	"	0.0	"	"						Total 1.69 Joules.	Average Rate. 5.7 Milliwatts.	Maximum Rate. 12			
Westminster (St. James's Park)	"	"	sun	57	40	56	1	0.0	78	92	Hampstead Observatory	"	"	"	"						
Regents Pk. (Botanical Obs.)	"	"	"	"	"	"	"	2. 243	"	"						Camden Sq. (British Rain-fall)	Dem. c	o	a	51	39	41	1	"	80 (12h)	97
Kensington Palace	o	o	"	51	39	41	1	"	76	99	Hampstead Observatory	"	"	"	"						
Hampstead Observatory	"	"	"	49	39	41	1	0.2	"	?											

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

Exposure from 10^h 15^m to 11^h 15^m a.m.
to 11^h 15^m a.m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	13 30	11.4	-
3 Ursae Minoris	13 30	11.4	-

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell generally but as a rule the amount was not very large. At Valencia and Blacksod Point the total was 11mm. The sun shone for an hour or two at a few places, but for the most part the sky remained overcast. The maximum temperature was again about 50° in all parts of the Country.

* Information for these columns not usually received.

† 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, November 1920.

Page 2.

I.—CORRECTIONS. (Continued)

Report for	STATION.	CORRECTION.	Report for	STATION.	CORRECTION.	Report for	STATION.	CORRECTION.
12 th	Baldonnel 12 th 7h.	Bar. 1014.0 mb.	19 th	Esksdale 19 th 7h.	Bar. 1018.3 mb.	26 th	Bangor 25 th 13h.	Bar. 1016.3 mb.
	Castletown "	Sea. 6. min. Temp 47°		Castletown "	Low cloud amt. 1.		Baldonnel 26 th 7h.	Low cloud 57.0 10
	Blackhead "	min. temp 49°		Swanwick 18 th 18h.	Temp 50°		Garmouth 25 th 18h.	Wind SE.
13 th	Baldonnel 12 th 13h.	Wind force 7.		Stornoway 18 th 18h.	Temp 54°		Portlind "	Max. temp 59°
	Castletown 12 th 18h.	Low cloud amt. 2.		Nairn 19 th 7h.	Wind SSW.		Quinn "	Post weather: morning, cgo bco
	Baldonnel 13 th 7h.	Wind force 3.		Thymemouth 19 th 7h.	weather om		" "	afternoon, bccg.
	Castletown 13 th 7h.	Sea 4.		Baldonnel "	min. temp 42°		Baldonnel "	min. temp 45° Sun 1.1h.
	Cranwell "	Sunshine 0.7h.		Regents Pk "	min. temp 51°	27 th	Galway 26 th 13h.	Cloud 7.5 9
	Renfrew 13 th 13h.	min temp 39°		Clympne 20 th 1h.	Sunshine 3.2h.		Cranwell "	Humidity 85%
	Esksdale "	Bar change +5		Renfrew 20 th 7h.	Bar 1029.8 mb.		Croydon "	Bar. 1015.4 mb
	Howden "	Low cloud amt. 4		Galway 20 th 13h.	Temp 54°		Esksdale "	18h. Temp 45°
	Croydon "	Bar. 1010.6 Wind W. weather		Galway 20 th 13h.	Temp 54°		Baldonnel 27 th 1h.	Visibility 3.
	Cranwell "	Cloud: Ht. 2000. Nb. 8.		Galway 20 th 13h.	Temp 54°		Cranwell "	weather 0
	Castletown 13 th 18h.	weather of. 2f		Galway 20 th 13h.	Temp 54°		Esksdale "	7h. wind SE. 2
	Baldonnel 14 th 7h.	Wind WSW.		Galway 20 th 13h.	Temp 54°		Wick "	Rainfall. 1mm.
	Howden 14 th 7h.	Bar. 1005.5 mb.		Galway 20 th 13h.	Temp 54°		Clympne 26 th 13h.	18h. Post weather
	Stornoway 13 th 18h.	Upper cloud form. H. 31.		Galway 20 th 13h.	Temp 54°		" "	bccg. 2f.
	Kesh 13 th 18h.	Wind force 5.		Galway 20 th 13h.	Temp 54°		Renfrew 27 th 13h.	weather of. 3f.
	Leith 14 th 7h.	Max. temp 54°		Galway 20 th 13h.	Temp 54°		Valencia "	Temp 58°
	Castletown "	Wind W.		Galway 20 th 13h.	Temp 54°		Cranwell "	Cloud 7.5 10
	Croydon 13 th 7h.	min temp 46°		Galway 20 th 13h.	Temp 54°		Galway 27 th 1h.	Temp 47°
	Renfrew 14 th 13h.	Post weather: cgo. 2f. 1f. 1f. 1f.		Galway 20 th 13h.	Temp 54°		Esksdale 28 th 1h.	Cloud 57. 10
	Esksdale "	weather of.		Galway 20 th 13h.	Temp 54°		Baldonnel "	Wind SSW.
	Renfrew 14 th 18h.	Bar change +2		Galway 20 th 13h.	Temp 54°		Castletown "	Visibility 6
	Croydon 15 th 1h.	Wind E.		Galway 20 th 13h.	Temp 54°		Esksdale "	7h. Cloud 57. 9
	Castletown 15 th 7h.	Wind force 7.		Galway 20 th 13h.	Temp 54°		Cranwell "	Bar. 1008.7 mb.
	Howden "	Wind WSW.		Galway 20 th 13h.	Temp 54°		Swanwick "	max temp 49°
	London "	Bar. 993.5 mb. wind W.		Galway 20 th 13h.	Temp 54°		Nairn "	48°
	Donaghadee "	Wind force 6		Galway 20 th 13h.	Temp 54°		Renfrew "	Grass min. 44°
	Jersey "	Bar. 988.8 mb.		Galway 20 th 13h.	Temp 54°		Baldonnel 27 th 13h.	18h. 03f RR.
	Cranwell "	Rainfall. 0.2 mm.		Galway 20 th 13h.	Temp 54°		Clympne "	Grass min 42°
	S. Farnboro' "	min. temp. 47°		Galway 20 th 13h.	Temp 54°		29 th	Baldonnel 28 th 13h.
	London "	min. temp. 47°		Galway 20 th 13h.	Temp 54°		Ross-on-Wye "	Wind NCO.
	Clympne 18 th 13h.	max. temp 58° Min 46°		Galway 20 th 13h.	Temp 54°		Galway 29 th 1h.	Bar. 1012.1
	Valencia 15 th 18h.	Bar. 1006.2 mb. Temp 55°		Galway 20 th 13h.	Temp 54°		Galway 29 th 1h.	Temp 47°
	Baldonnel 16 th 1h.	1004.2 mb.		Galway 20 th 13h.	Temp 54°		Esksdale "	18h. Omit cloud Ht.
	Castletown "	change +4		Galway 20 th 13h.	Temp 54°		" "	Cloud Nb. 9
	Renfrew 16 th 7h.	Wind force 4.		Galway 20 th 13h.	Temp 54°		Croydon 29 th 1h.	Wind force 3.
	Blackhead 15 th 18h.	Bar. 998.4 mb.		Galway 20 th 13h.	Temp 54°		Galway 29 th 1h.	Cloud 57. 10
	Portlind "	Temp 50°		Galway 20 th 13h.	Temp 54°		Baldonnel "	7h. wind E. 2. Humidity 75%
	Renfrew 16 th 18h.	max. temp 50°		Galway 20 th 13h.	Temp 54°		" "	48.8
	Esksdale "	82°		Galway 20 th 13h.	Temp 54°		Castletown 29 th 7h.	weather of.
	Castletown "	Post weather bccg		Galway 20 th 13h.	Temp 54°		Shawbury 29 th 7h.	Temp 45°
	Renfrew 16 th 13h.	Rainfall Day 0.2 mm.		Galway 20 th 13h.	Temp 54°		Nairn "	Max. temp 48°
	Castletown "	Night. trace.		Galway 20 th 13h.	Temp 54°		Croydon 29 th 7h.	Temp 46°
	Renfrew 16 th 13h.	weather orh.		Galway 20 th 13h.	Temp 54°		Baldonnel "	min. temp 34° Grass min. 29°
	S. Farnboro' "	Wind WNW.		Galway 20 th 13h.	Temp 54°		Castletown "	Rainfall. Day 0.1 mm.
	Castletown 17 th 7h.	Force 2.		Galway 20 th 13h.	Temp 54°		" "	Sea 3.
	Leith 16 th 18h.	Bar. 1006.6 mb.		Galway 20 th 13h.	Temp 54°		London "	Wind SSE.
	Jersey 17 th 7h.	1028.4 mb.		Galway 20 th 13h.	Temp 54°		Castletown 30 th 1h.	Upper cloud cl. 3f.
	Galway 16 th 18h.	-17 th 1h. p.o.b		Galway 20 th 13h.	Temp 54°		Renfrew "	7h. Temp 42°
	Clympne "	bcc		Galway 20 th 13h.	Temp 54°		Thymemouth "	Rain 4 mm. Max temp 48°
	Croydon "	max. temp 53°		Galway 20 th 13h.	Temp 54°		Croydon "	min. temp 41°
	Renfrew 17 th 13h.	Low cloud amt. 4.		Galway 20 th 13h.	Temp 54°		Castletown "	40° Grass 36°
	Cranwell "	Temp 36°		Galway 20 th 13h.	Temp 54°		Clympne "	Grass min 44°
	Baldonnel 18 th 1h.	Bar. 1018.6		Galway 20 th 13h.	Temp 54°			
	Castletown "	Humidity 86%		Galway 20 th 13h.	Temp 54°			
	Renfrew. " 7h.	Bar. 1018.1 mb. Low cloud		Galway 20 th 13h.	Temp 54°			
	Baldonnel 17 th 7h.	57.0 10. Upper cloud nil.		Galway 20 th 13h.	Temp 54°			
	Cranwell "	Bar. 1029.7 mb.		Galway 20 th 13h.	Temp 54°			
	Blackhead "	Wind force 7. min. temp		Galway 20 th 13h.	Temp 54°			
	Howden "	4.5		Galway 20 th 13h.	Temp 54°			
		Sunshine 1.0h.		Galway 20 th 13h.	Temp 54°			

II.—ADDITIONS.

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

Report for	STATION.	Barom. at M.S.L. mb.	Change in 3 hours.	WIND. Direc. Force 0-12.	TEMP. °F.	Humidity %.	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea. 0-9.	SUMMARIES FOR PAST 24 HOURS.						
												WEATHER.						
												7h-13h.	13h-18h.	18h-1h.	1h-7h.	Max Temp. °F.	Min. Temp. °F.	Min. on Grass °F.
2 nd	Baldonnel 2 nd 7h.	1012.8	0	0	02f	47	85	4	1250	St.	10							
3 rd	Renfrew 2 nd 13h.	1013.1	0	E	3	02f	44	75	4	3000	St.	10						
9 th	Esksdale 9 th 13h.	1029.0	+1	SSW	1	02f	52	92	4	4200	St.	10						
15 th	Esksdale 15 th 7h.	998.0	0	SW	8	02f	47	66	6		St.	10						
17 th	Cranwell 17 th 7h.	1021.0	+6	SW	4		47	92	6		St.	10						
20 th	Renfrew 20 th 7h.	1027.0	0	S	3	b	42	97	4	2000	St.							
25 th	Esksdale 25 th 7h.	1000.5	-1	SSW		02f	51	25	4	1250	St.	6						
26 th	Valencia 26 th 7h.	1000.1	+8	WSW	4		55	55	7	2000	St.	7						

† The barometric change is expressed in half millibars.

11 5161 228 0.5122 46.2004 025 3/21



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

CORRECTIONS AND ADDITIONS November 1920.

Page 1.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.	Report for	STATION.	CORRECTION.	Report for	STATION.	CORRECTION.
1 st	Cashol 3 rd 18h.	Temp 52°	1 st	Cashol 4 th 7h.	Weather. b2f. Cloud. nil.	7 th	Kentrew.	min. temp 48°
1 st	Baldonnell 1 st 7h.	Bar 987.2mb	1 st	Blacksoil 3 rd 18h.	Bar. 1005.1mb.	(Cont)	Manchester	min. temp 32°
1 st	Eschdalemuir 1 st 7h.	Bar 1000.0mb	1 st	Portland "	Weather. b2f.	1 st	Rees-on-Wye	grass Min 39°
1 st	Baldonnell "	Weather bc. Temp 34°	1 st	Blacksoil 4 th 7h.	Temp. 53°. Change +7.	1 st	Lymington	max. temp 49°
1 st	Clympe "	Temp. 44°	1 st	Blacksoil 4 th 7h.	Weather. or 2f.	1 st	Howden	grass min 26°
1 st	Eschdalemuir 1 st 7h.	Max. Temp 50°	1 st	Spurn "	Min. Temp. 35°	1 st	Cranwell	max. temp 45° min temp 34°
1 st	Castlebay "	Rainfall 19mm.	1 st	Cashol "	Max. Temp. 47° min temp 36°	8 th	Cashol 7 th 12h.	Bar. 1026.4mb.
1 st	Carmouth "	" 0.2mm.	1 st	" "	Grass Min 31°. Rainfall; Day nil	1 st	Falmouth 7 th 12h.	visibility 8
1 st	Cashol "	Grass Min 41°	1 st	" "	Next nil. Sunshine 2 7h.	1 st	Kentrew 8 th 12h.	Cloud St. 10.
1 st	Baldonnell "	Min. Temp 39°	1 st	" "	Weather. or 2f.	1 st	Ceresick 7 th 12h.	Temp 53°
1 st	City 1 st in	Sunshine 0.4h	1 st	" "	Weather. or 2f.	1 st	" 8 th 7h.	min. temp 42°
1 st	Cashol 1 st in	" 0.9h	1 st	" "	Weather. or 2f.	1 st	Cashol "	grass min. 41°
1 st	Hampstead "	" 0.4h.	1 st	" "	Weather. or 2f.	1 st	Cranwell "	min. temp 39°
2 nd	Baldonnell 1 st 7h.	Weather. or 2f.	1 st	" "	Weather. or 2f.	1 st	Benson "	min. temp 39°
2 nd	Cashol 2 nd 7h.	Cloud height 750'	1 st	" "	Weather. or 2f.	1 st	Valencia 1 st 7h.	Low cloud amt. 7: sea 4
2 nd	Cashol 2 nd 7h.	Bar change +8	1 st	" "	Weather. or 2f.	1 st	Falmouth "	visibility 8
2 nd	Cranwell "	Temp. 41°	1 st	" "	Weather. or 2f.	1 st	Lymington 9 th 7h.	Temp 46°
2 nd	Portland 1 st 7h.	Weather. cp	1 st	" "	Weather. or 2f.	1 st	London 9 th 7h.	Bar. change 0. Cloud Mt. 1500
2 nd	Castlebay 2 nd 7h.	Bar. 1011.8mb.	1 st	" "	Weather. or 2f.	1 st	Lymington 9 th 7h.	Bar. change 0. Cloud Mt. 1500
2 nd	Carmouth "	" 1004.2mb.	1 st	" "	Weather. or 2f.	1 st	Cranwell "	Max. temp 57°
2 nd	Blacksoil "	min Temp 47°	1 st	" "	Weather. or 2f.	1 st	Rees-on-Wye 9 th 7h.	wind N.W.
2 nd	Silly "	45°	1 st	" "	Weather. or 2f.	1 st	Valencia 10 th 7h.	weather b2f.
2 nd	Baldonnell 1 st 7h.	Next Weather - p-4 of	1 st	" "	Weather. or 2f.	1 st	Falmouth "	Cloud, N10
2 nd	Croydon 1 st 7h.	Temp 46°	1 st	" "	Weather. or 2f.	1 st	Stamouth "	St. 10
2 nd	Kentrew 2 nd 7h.	Wind Force 4	1 st	" "	Weather. or 2f.	1 st	Stamouth 10 th 7h.	Bar. 1026.1mb.
2 nd	Helixton "	Bar 1009.1mb.	1 st	" "	Weather. or 2f.	1 st	Stamouth 10 th 7h.	Temp. 54°
2 nd	Baldonnell 3 rd 7h.	Weather. "OZ"	1 st	" "	Weather. or 2f.	1 st	Blacksoil 10 th 7h.	Sea 4
2 nd	Lymington 2 nd 7h.	Wind ENE	1 st	" "	Weather. or 2f.	1 st	Jersey "	Sunshine 8.8h.
2 nd	Spurn Head "	Grass Min 41°	1 st	" "	Weather. or 2f.	1 st	Fairn "	" 1.0h.
2 nd	Baldonnell "	Rainfall; Day -; Night, min.	1 st	" "	Weather. or 2f.	1 st	Carmouth "	" 5.8h.
2 nd	Eschdalemuir "	Sunshine 0.1h.	1 st	" "	Weather. or 2f.	1 st	Valencia "	Grass min. 46°
2 nd	Lymington "	Max. Temp 45°	1 st	" "	Weather. or 2f.	1 st	" "	Visibility 6.
2 nd	Kentrew 3 rd 13h.	Humidity 75%	1 st	" "	Weather. or 2f.	1 st	" "	Low cloud amount 7.
2 nd	Eschdalemuir "	Wind ESE	1 st	" "	Weather. or 2f.	1 st	" "	Bar. 1025.4mb
2 nd	Shoeburyness "	Temp. 46°	1 st	" "	Weather. or 2f.	1 st	" "	Bar change -1.
2 nd	Kentrew 3 rd 13h.	Bar. Change +1.	1 st	" "	Weather. or 2f.	1 st	" "	Wind force 2.
2 nd	Eschdalemuir 3 rd 13h.	Cloud. St. 10.	1 st	" "	Weather. or 2f.	1 st	" "	Max. temp 50°
2 nd	" 4 th 7h.	" St. 10	1 st	" "	Weather. or 2f.	1 st	" "	First weather. 0.
2 nd	" "	" St. 10	1 st	" "	Weather. or 2f.	1 st	" "	Sunshine 0.0h.

II.—ADDITIONS

STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																								
Report for	STATION.	BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE		WIND.		Direc. of Upper Cloud.	Weather	Sea	RAIN-FALL.	TEMP.		WEATHER.			Sunshine		
		at M.S.L.	° F.	Dir.	Force		M.S.L.	Change in 3 hours.	° F.	Change in 24 hours.	Dir.	Force					Max. ° F.	Min. ° F.	Morning.	Afternoon.	Night.			
		mb.			0-12.		mb.					0-12.												
		18H. G.M.T.					7H. G.M.T.										24 HOURS ENDED 7H.							
11 th	Malin 1 st 7h						1017.9	0	46	-3	SSW	2	SN	C	4	4	52	43				bcg	1.4	
12 th	" 8h	1006.5	48	SSW	3	0	1006.6	-3	48	+2	SSW	4	SW	0	4	trace	51	42	C	cp	0		0.6	
13 th	" 9h	997.4	54	SSW	4	0	997.6	+2	46	-2	W	4	W	0	4	5	54	43	0	0	0	0	0.0	
14 th	" 10h	1002.4	45	SSW	4	0	997.9	+3	45	-1	WSW	5	W	C	6	17	50	43	0	0	0	0	2.5	
15 th	Stormonway 7h						998.0	-10	46	+7	SW	4	-	0	6	21	46	38			0	0	1.6	
	Castellary 7h						997.5	-1	47	+2	W	10	-	0	-	5	56	45			0	0	0.0	
16 th	Malin 1 st 7h	984.2	46	SE	4	0	975.6	0	47	+2	W	8	W	0	6	5	56	45	0	0	0	0	0.0	
	Stormonway 7h	974.6	47	NNW	7	0																		
	Castellary 7h	970.9	47	W	6	0	974.8	+4	46	0	NNW	5	-	0	5	4	48	41	prgm	opqmp	oppc.	0	0.0	
	Malin 1 st 7h	983.9	45	WSW	7	0	998.0	+3	43	-4	WSW	4	W	0	6	8	50	40	0	0	0	0	0.9	
17 th	Castellary 7h	1000.7	47	NNW	4	0	1017.1	+4	46	0	NNW	+	-	0	4	2	47	42	0	0	0	0	1.5	
	Malin 1 st 7h	1007.4	47	SW	3	0																		
18 th	Castellary 7h	1006.7	49	SE	5	0	1006.9	-2	53	+7	SSE	7	-	0	6	53	43	bc, bc	bc, bc	ord			2.3	
19 th	" 7h	1005.4	55	SSE	6	0	1010.5	+4	47	-6	W	4	-	0	4	25	56	46	dr	r, o	or		0.0	
20 th	" 7h	1010.6	50	SE	3	0	1015.6	+1	55	+2	SSE	5	-	0	5	1	55	46	ro, bc	bc, o	op		0.0	
21 st	" 7h	1020.8	54	SE	5	0	1024.8	+1	53	-2	SSE	4	-	0	6	-	55	52	op	op, b	bc, o		0.0	
22 nd	" 7h	1025.7	50	SE	4	0	1025.7	0	50	-3	S	4	-	0	6	-	53	47	0	0	0		0.0	
23 rd	" 7h	1027.3	48	S	5	0	1025.4	0	48	-2	SE	5	-	0	5	-	50	47	0	0	0		5.9	
24 th	" 7h						1017.4	-2	47	+1	SE	3	-	0	3	-	53	47	0	0	0		3.1	
25 th	Malin 1 st 7h	1007.4	46	S	2	0	1008.4	0	46	+3	S	3	S	cm	3	1	48	46	cm	cm	cm		1.9	
26 th	" 7h	1004.3	48	S	3	0	1008.5	0	50	+4	SE	3	-	cm	2	4	50	46	cm	cm	cm		0.0	
27 th	" 7h																							
28 th	Silly 7h						1015.1	+3	48	-3	NN	7	NN	C	7	10	53	46			0		0.0	