M.O FORM 2373

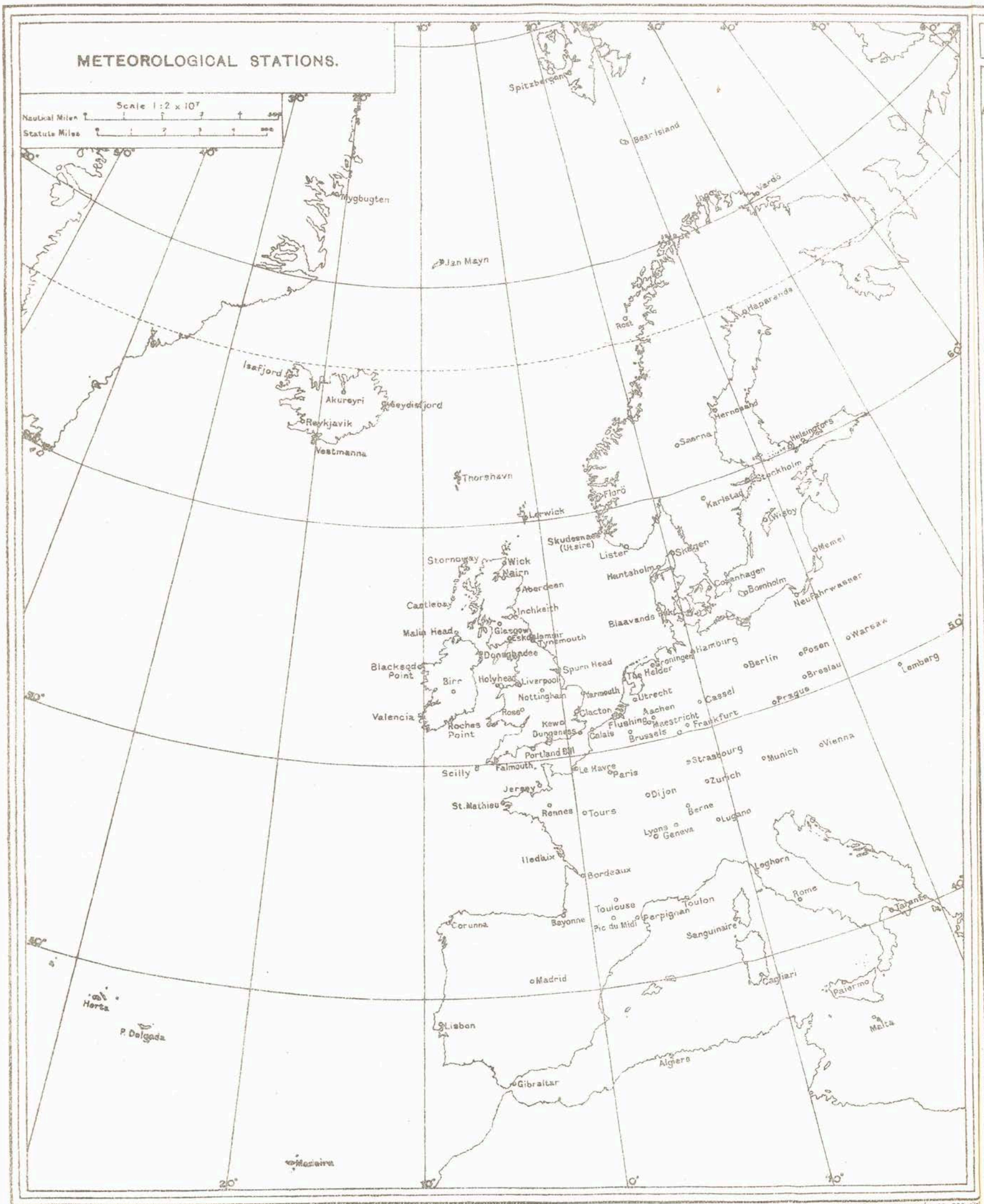
AIR MINISTRY.

METEOROLOGICAL OFFICE.

LONDON.

DAILY WEATHER REPORTS

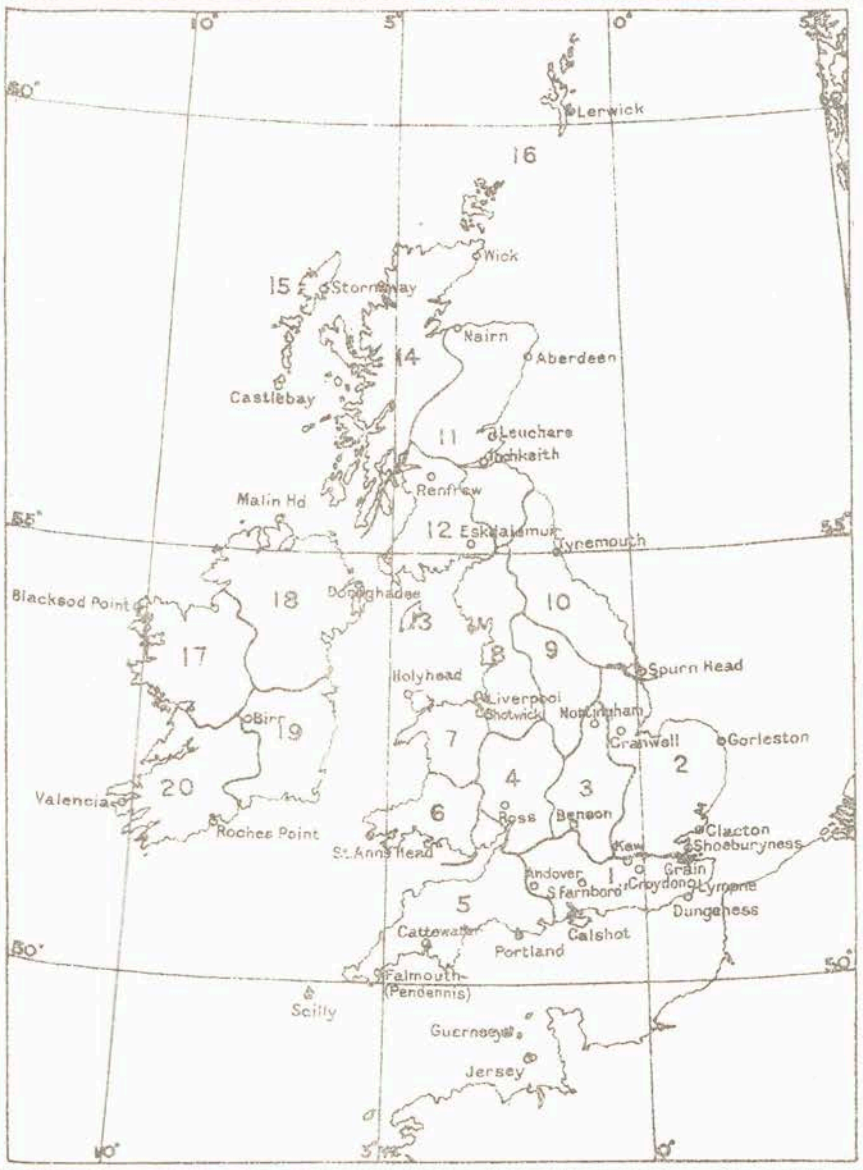
1ST JANUARY TO 31ST MARCH, 1923.



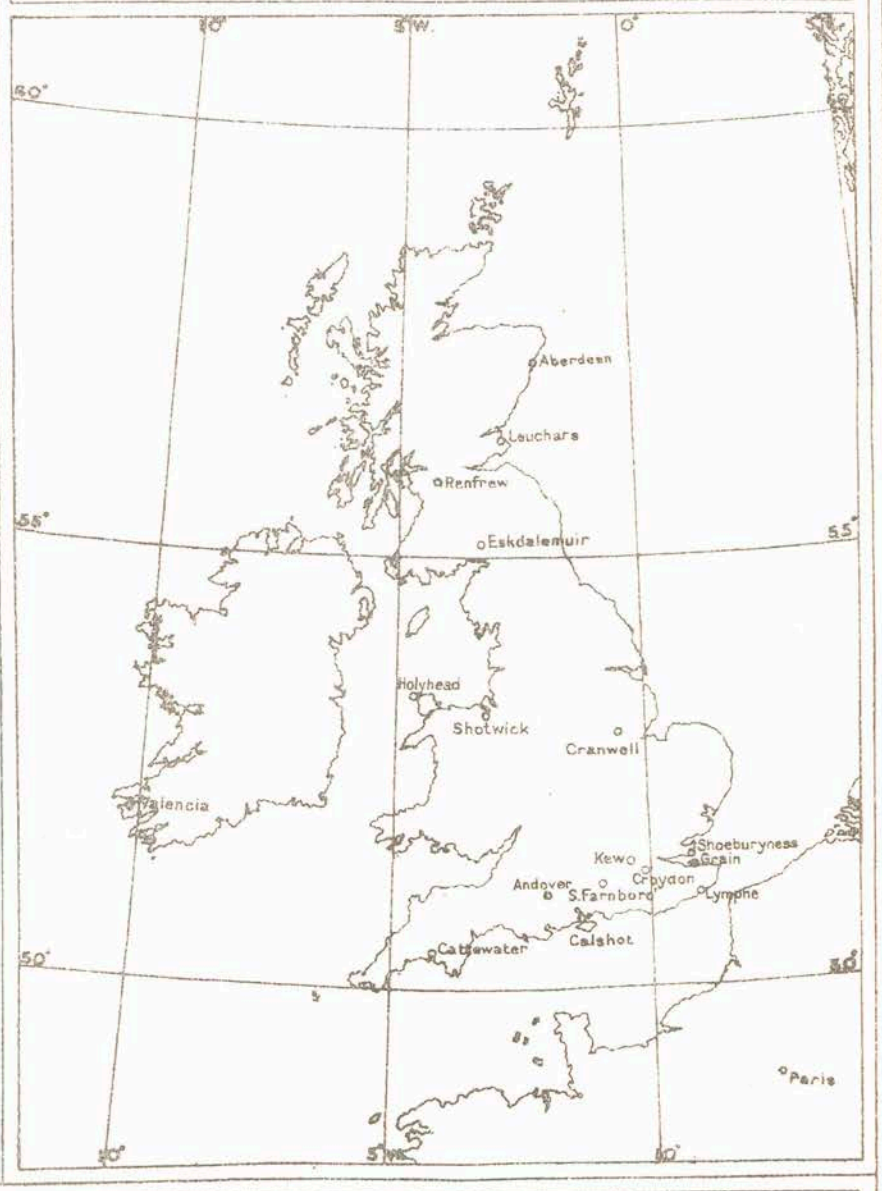
H.M. Stationery Office: Press, Kingsway, W.C.2.

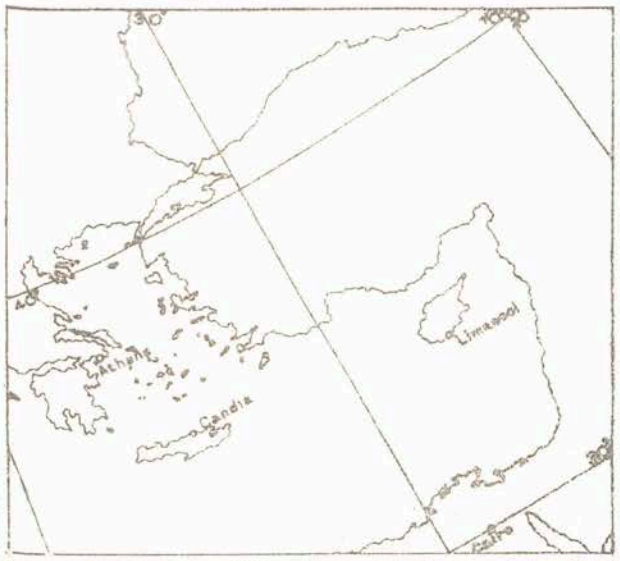
P.S. 2072/732. 44.257. D.7351/Af.1081. 730. 6/2

FORECAST DISTRICTS AND BRITISH STATIONS.



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 OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
p precipitation within sight of station.
P passing showers r rain.
s snow. rs sleet t thunder.
v unusual visibility. y dry air.
z dust haze ; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain ; i = intermittent ; – = "decreasing" ; + = "increasing" ; h(r) = "hail" or "rain and hail" ;

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—

R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

GALE WARNINGS.

The Meteorological Office issues warnings to ports and fishing stations of gales on or near the coasts of the British Isles. When one of these notices has been received at a station a black canvas cone is hoisted.

The *South Cone* (point downwards) is hoisted for gales from S.E., veering to S.W., W. or N.W.
" S.W., veering to W. or N.W.
" W., veering to N.W.
" E., veering to S. or S.W.

The *North Cone* (point upwards) is hoisted for gales from S.E., E. or N.E., backing to N.
" N.W., veering to N., N.E. or E.
" N., veering to N.E. or E.
" N.E., veering to E.

The Signals remain hoisted after the receipt of a warning telegram until danger of a gale is passed.

The Districts to which warnings are sent are shown in the British Section of the Daily Weather Report by the following symbols :—

South Cone hoisted.
North " "

AIR MINISTRY.

METEOROLOGICAL OFFICE, LONDON.

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

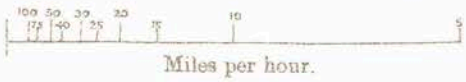
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section.

The wind at a height of 1,500–2,000 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 $1 : 2 \times 10^7$ Charts.
or 2 mb ,, ,, $1 : 10^7$,,
or 1 mb ,, ,, $1 : 5 \times 10^6$,,



Miles per hour.

This scale applies under the following conditions:—

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

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

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.

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

Maximum and Minimum Temperatures entered in the British Section for Liverpool (Bidston) since 1st March, 1921 (not 1st April as stated in last issue), have been for the 22 hour period commencing at 9 a.m. the previous day.

Maximum Temperatures entered for Shoeburyness from March 1st, 1921, to January 15th, 1923, referred to the 24 hours ending at 7 a.m. From January 16th, 1923, day maximum readings have been given.

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 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, temperatures are given in degrees Fahrenheit and Absolute. The lines marked "Anti-cyclonic," "Cyclonic," "Summer," and "Winter," indicate the normal fall of temperature with pressure under the conditions indicated. The oblique line marked "Adiabatic" shows the lapse rate of temperature 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.

The new tables for computing relative humidity from readings of dry and wet bulb thermometers exposed on aeroplanes, are based on the formula* $e'' = e' - A\ (t-t')\ \frac{B}{1000}$ where A = 0.37, which differs from the old formula used previously to the 19th September, 1921, only in having a constant 0·37 instead of 0·278. Considerable difference exists between the values for relative humidity given by the two formulæ when the humidity is low: when it is high the differences are slight. The following tables indicate the actual value of these differences, the new formula invariably giving smaller humidities:—

Dry Bulb. °F.	Air pressure 400 mb. Depression of wet bulb. 5°	10°	15°	20°	25°	Dry Bulb. °F.	Air pressure 600 mb. Depression of wet bulb 5°	10°	15°	20°	25°
20	6	10	—	—	—	20	7	15	—	—	—
40	2	4	6	9	—	40	3	6	10	—	—
60	1	2	3	4	5	60	2	3	4	7	7
80	0	1	1	2	2	80	0	2	2	3	4

Dry Bulb. °F.	Air pressure 800 mb. Depression of wet bulb. 5°	10°	15°	20°	25°	Dry Bulb. °F.	Air pressure 1000 mb. Depression of wet bulb. 5°	10°	15°	20°	25°
20	10	—	—	—	—	20	12	—	—	—	—
40	4	9	13	—	—	40	6	11	—	—	—
60	2	4	7	—	—	60	3	6	8	11	—
80	2	2	4	4	5	80	2	3	4	6	6

* e'' = actual pressure of water vapour in the air expressed in the same unit as B.
e' = saturation pressure of water vapour at wet bulb temperature.
t = dry bulb temperature in degrees F.
t′ = wet bulb temperature in degrees F.
B = barometric pressure.

The new formula is based on experiments in the wind channel at South Farnborough, which indicate that A is practically independent of the speed of the wind at speeds above 20 m.p.h. In the old formula, the value of A was obtained by extra-polation from the curve giving its actual values at different wind speeds up to 12 m.p.h.

Radio Disturbances (Atmospherics) at Croydon.—In the table under the above heading, information is given concerning atmospherics heard at Croydon. The term "atmospherics" is used to denote the clicks and crashes which are commonly heard in a wireless receiver, the intensity of which varies greatly at different times. Observations at Croydon are made 4 times daily at 1h., 7h., 13h. and 18h. G.M.T.

The second column indicates the type of sound heard, by the following abbreviations:—

C—Uniform clicks and normal quiet distribution.
C_1C_2—Clicks of two obviously different orders of intensity.
Cg—Clicks predominant but a few grinders.
G—Grinders predominant.
GG—Continuous grinders whose minimum direction can be found by estimation of intensity without counting.
Ck—Clicks with a few loud crashes.
CK—Clicks with numerous crashes.
KK—Very loud atmospherics.

In the third column the number of atmospherics per 4 seconds is shown. This number is obtained with the receiving coil set in a direction to give the maximum number.

Fourth Column. Strength. From January 1st, 1923, strength has been obtained from the formula $S = \frac{10}{r}$ where r is the resistance in ohms of the shunt necessary to reduce the number of atmospherics heard in the telephone to one quarter of those heard without shunt.

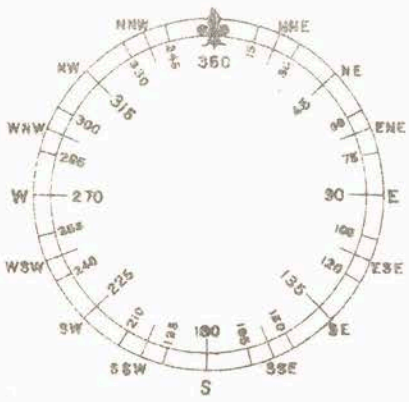
Fifth column. Direction. This indicates the direction from which the maximum intensity of atmospherics is proceeding. Directions are given in degrees (*see* diagram below).

It is to be noted that there is an ambiguity of 180° in the determination of direction.

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 charts of the Upper Air Supplement for heights of 1,000 feet, 3,000 feet, and 6,000 feet. The data are also given in tabular form for various heights. The reports are usually based on Pilot Balloon ascents.

In the tabular statement direction is specified in degrees from true north measured through East 90°, South 180°, West 270° to North 360°. (*See* diagram below.)



Note.—Ships' Reports.

SEA DISTURBANCE.

0 No or slight swell.
1. Moderate swell.
2. Heavy ,,
3. Long low ,,
4. Confused ,,
} and { Sea smooth to moderate.

5. No or slight swell.
6. Moderate ,,
7. Heavy ,,
8. Long low ,,
9. Confused ,,
} and { Sea rough or above.

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.

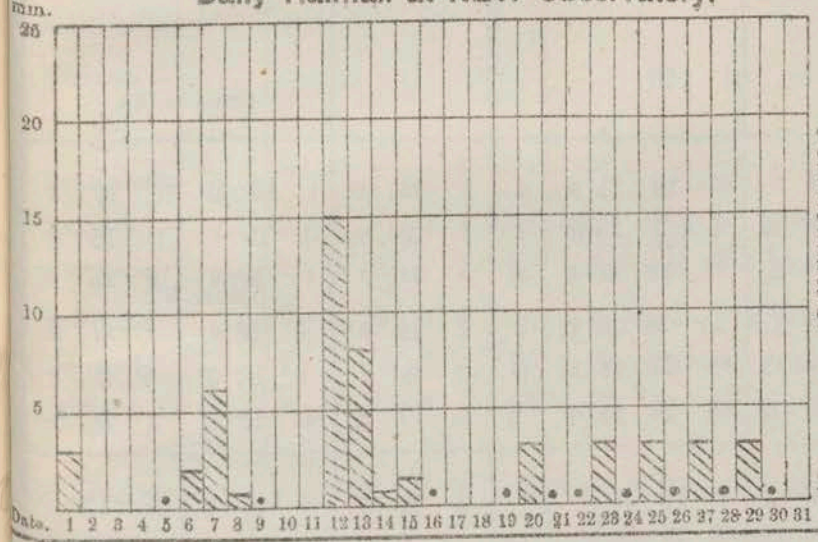
Notes on the Weather of MARCH, 1923.

The first week in March was generally mild and unsettled though rainfall was seldom heavy and there were a few days with good sunshine records. In the rear of a depression which crossed England on the seventh, an anticyclone developed near the Faröe Islands which subsequently moved East and, joining with the anticyclone extending from N.W. Russia, caused a change to easterly winds and somewhat colder weather. On the whole the Scandinavian anticyclone predominated until after the 20th although a trough of low pressure, secondary to a depression near Iceland, passed along the Channel in the early hours of the 13th causing heavy rain in the South, especially London.

Towards the end of the month high pressure on the Continent extended further South and warm, southerly breezes combined with comparatively clear skies resulted in unusually high day temperature about the 27th. On this date a maximum of 68° was registered at Kew Observatory, a value only once previously recorded there in March during the past 50 years. Thunderstorms occurred locally in England between the 26th and 29th.

Rainfall though generally below normal, was rather variable. In some cases the total was less than 25mm: 23mm at Phoenix Park and 17mm at Inchkeith while 32mm at Stornaway was less than a third of the average. In some other districts, however, including London, the amounts were above the normal and it is perhaps noteworthy that the wet state of the ground so general in January and February was maintained throughout March at Kew and Benson.

Daily Rainfall at KEW Observatory.



TEMPERATURE.

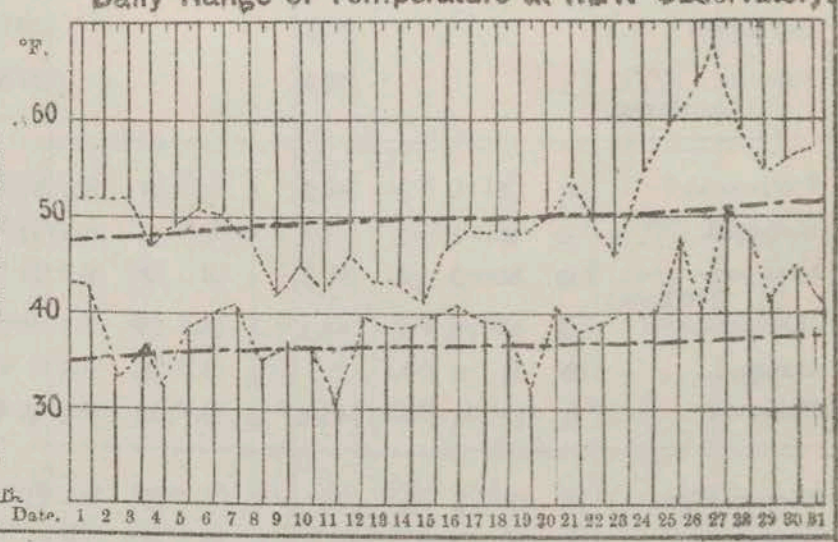
The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

RAINFALL.

• = less than 0·5 mm.

Total for month 53 mm.

Daily Range of Temperature at KEW Observatory.



SURFACE VISIBILITY. [No. of observations within fixed limits of telegraphic code.*]

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
Stornoway	0	0	0	0	2	13	15	1	0	0	0	1	0	0	2	2	17	9	0	0	0	0	0	0	0	0	17	14	0	0	0	0	0	0	0	0	17	14	0	0
Aberdeen	*	*	*	*	*	*	*	*	*	*	2	0	5	0	1	3	15	4	1	0	0	0	0	1	2	2	16	8	2	0	0	1	0	1	3	5	13	8	0	0
Edinburgh (Inchkeith) ...	0	1	0	0	0	0	4	10	16	0	0	0	0	0	0	3	7	7	14	0	0	0	0	1	0	2	5	10	13	0	0	1	0	1	0	1	8	12	8	0
Renfrew	*	*	*	*	*	*	*	*	*	*	0	1	2	1	5	6	10	4	2	0	0	0	1	0	3	5	13	7	1	1	0	0	0	2	1	9	10	7	2	0
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	0	2	0	0	2	5	14	6	2	0	0	0	0	0	0	2	9	11	9	0	0	0	0	0	0	1	17	11	2	0
Birr Castle	*	*	*	*	*	*	*	*	*	*																														
Valencia (Cahirciveen) ...	*	*	*	*	*	*	*	*	*	*																														
Tynemouth	0	2	2	1	0	2	14	10	0	0	0	3	0	1	1	6	14	5	1	0	0	1	0	0	2	2	17	8	1	0	0	1	0	0	0	3	16	10	1	0
Holyhead	0	0	0	0	0	1	4	10	15	1	0	0	0	1	0	3	5	6	16	0	0	0	0	0	0	2	7	7	13	2	0	0	0	0	0	4	7	6	14	0
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	0	0	1	1	10	6	1	7	5	0	0	0	0	5	6	8	3	5	4	0	0	0	0	2	8	6	5	6	4	0
Nottingham	*	*	*	*	*	*	*	*	*	*	1	2	1	0	3	8	7	7	2	0	0	0	0	0	0	2	7	14	8	0	0	0	0	0	2	4	8	14	3	0
Cranwell	0	0	2	0	2	6	16	5	0	0	0	3	3	3	0	5	12	4	1	0	0	0	0	0	0	2	13	10	6	0	0	1	0	0	0	0	21	3	6	0
Gorleston	0	0	1	0	1	1	11	17	0	0	0	3	1	0	1	2	17	6	1	0	1	0	0	0	0	3	19	6	2	0	0	0	0	1	1	3	19	6	1	0
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	0	3	1	1	1	5	5	8	7	0	0	0	0	0	2	2	5	9	13	0	0	0	0	1	2	1	6	10	8	3
Benson	*	*	*	*	*	*	*	*	*	*	0	0	2	2	3	5	12	3	4	0	0	0	0	0	0	4	13	8	6	0	0	0	0	0	1	0	13	10	7	0
London (Kew Obs.)	*	*	*	*	*	*	*	*	*	*	0	2	5	4	3	2	11	1	3	0	0	1	0	1	4	6	14	1	4	0	0	0	0	0	9	6	12	2	2	0
Croydon	0	1	0	4	2	4	11	5	4	0	0	1	3	3	6	5	8	5	0	0	0	0	0	1	5	3	11	7	4	0	0	0	0	3	3	8	15	2	0	0
Grain	*	*	*	*	*	*	*	*	*	*	0	1	0	2	1	10	9	5	3	0	0	0	0	0	0	2	9	8	12	0	0	0	0	0	0	5	10	9	7	0
Lympne	0	0	1	0	1	5	11	10	3	0	0	1	1	0	6	7	10	1	5	0	0	0	0	0	1	1	12	7	10	0	0	0	0	1	1	5	11	7	6	0
Falmouth (Pendennis) ...	1	0	0	0	0	1	11	4	14	0	0	2	0	0	2	0	7	10	10	0	0	1	0	0	1	3	8	4	14	0	0	1	0	1	0	1	7	9	11	1
Southampton (Calshot) ...	0	0	0	1	3	2	7	10	8	0	0	1	1	1	6	2	10	6	4	0	0	0	0	0	1	1	9	7	13	0	0	0	0	0	1	3	13	9	5	0

H.M.S.O. Press, Kingsway, W.C.2.

* See page 3, Daily Weather Report, British Section.

Pr. 2132/700. wt. 258 & 7358/pr 1080. 560. 4/23

SUMMARY OF RECORDS OF TEMPERATURE, SUNSHINE,

Equivalents of Temperature. A°. F°. 263·6 15, 268·0 23, 268·6 24, 273·0 32, 273·6 33, 278·0 41, 278·6 42, 283·0 50	Temperature. Number of daily readings within fixed limits. † Maximum. 33 – 41	42 – 50	51 – 59	60 – 68	Normal Max.	† Minimum. 23 or below	24 – 32	33 – 41	42 – 50	51 – 59	Normal Min.	Extremes—Warmest and Coldest. Days. Highest Max.	Date.	Lowest Max.	Date.	Nights. Highest Min.	Date.	Lowest Min.	Date.	Number of Ground Frosts.	Low Cloud. Number of observations within fixed limits. 7h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	13h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	18h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.
					°F.						°F.	°F.		°F.		°F.		°F.											
Stornoway ...	0	21	10	0	45·3	0	10	16	5	0	34·4	55	27	42	1	46	28, 29	28	25	*	9	12	0	7	14	0	11	9	0
Aberdeen ...	2	21	8	0	46·0	0	2	25	4	0	34·3	53	13, 14	40	1, 10	44	28	31	19	10	6	20	0	7	18	0	5	20	0
Edinburgh ... (Inchkeith)	2	22	6	1	*	0	0	26	5	0	*	60	27	40	10	47	28	35	24	?5	*	*	*	*	*	*	*	*	*
Renfrew	1	19	10	1	*	1	6	21	3	0	*	61	26	40	10	49	28	23	24	14	3	24	2	4	22	2	2	13	9
Eskdalemuir ...	6	16	8	1	*	0	10	19	2	0	*	61	27	37	10	46	27	26	24	12	11	19	0	4	24	0	4	24	0
Dublin ... ... (Phœnix Park)	0	17	14	0	48·8	0	6	21	4	0	34·7	57	29	45	9, 15, 16	48	27	25	14	12	*	*	*	*	*	*	*	*	*
Birr Castle ...					49·2						34·6																		
Valencia ... ... (Cahirciveen)					50·0						39·9																		
Tynemouth ...	3	22	6	0	46·9	0	0	28	3	0	34·4	58	25	40	11	47	28	33	31	3	3	15	0	1	18	0	1	23	1
Holyhead ...	0	21	10	0	46·9	0	0	20	11	0	38·4	58	26	43	15	46	27, 28	33	10	1	3	21	4	1	25	1	1	23	3
Liverpool ... (Bidston)	0	20	9	2	46·9	0	0	29	2	0	36·9	63	27	42	9, 15, 16	48	28	35	5	5	3	22	1	1	26	0	0	26	0
Nottingham ...	3	17	10	1	48·3	0	3	25	3	0	34·3	61	27	39	9, 15	50	28	30	12	6	2	23	0	0	29	0	1	27	0
Cranwell	3	16	11	1	*	0	2	28	1	0	*	67	27	38	9	48	28	25	12	7	12	13	1	6	21	0	5	21	1
Gorleston ...	2	23	6	0	45·8	0	0	25	6	0	35·4	58	28	40	15	45	26	33	4	?3	0	17	2	0	23	1	0	18	1
Ross-on-Wye ...	3	17	9	2	50·1	0	1	23	7	0	35·0	65	27	39	15	49	27	31	5	8	8	19	0	4	27	0	6	22	0
Benson	2	14	13	2	*	0	3	21	7	0	*	66	27	40	9, 15	48	28	29	5, 12	?12	*	*	*	*	*	*	*	*	*
London ... ... (Kew Obsy.)	1	16	12	2	48·7	0	2	21	7	1	36·0	68	27	41	15	51	28	31	12	8	8	19	0	2	27	0	2	24	3
Croydon	2	16	11	2	*	0	2	21	8	0	*	66	27	40	15	50	27	30	12	7	13	13	0	8	23	1	10	18	0
Grain	2	16	11	2	*	0	2	21	8	0	*	67	27	41	9, 15	49	28	27	12	8	3	19	0	2	22	4	2	18	2
Lympne	2	18	9	2	*	0	1	25	5	0	*	65	27	39	15	48	27	32	5	6	10	12	2	4	24	0	3	17	1
Southampton ... (Calshot)	1	15	?15	0	*	0	0	19	12	0	*	57	25	41	15	47	28, 31	35	5	1	4	19	1	2	23	2	2	20	2
Falmouth ... (Pendennis)	0	19	12	0	*	0	0	9	22	0	*	57	25	44	9, 15	48	3, 27, 30	34	24	*	3	25	1	2	25	2	2	27	0

UPPER AIR TEMPERATURE.

Pressure.	Normal Height.	Normal Temperature	Leuchars. Mean.	Leuchars. No. of Reports.	Grain. Mean.	Grain. No. of Reports.	Andover. Mean.	Andover. No. of Reports.
mb.	feet.	°F.	°F.		°F.		°F.	
950	1730	36	36	3	41	4	41	11
850	4640	27	26	4	30	5	32	11
750	7860	19	19	3	23	5	22	10
650	11470	8	–	–	10	2	7	6
550	15,570	–6	–	–	–	0	–5	2

UPPER WINDS.

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

Station.	Renfrew. Height. Feet.	No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.	Cattewater. No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.	Lympne. No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.
	2,000	16	5	9	2	–	–	22	1	16	5	–	–	42	11	40	9	2	–
	5,000	7	2	4	1	–	–	4	–	4	–	–	–	23	6	14	3	–	–
	10,000	2	1	1	–	–	–	2	–	–	2	–	–	5	1	4	–	–	–
	15,000	0	–	–	–	–	–	0	–	–	–	–	–	1	–	1	–	–	–

† Since March 1st, 1921, the readings used have (except in the case of Phœnix Park & Bidston) been the maximum for the period 7h.–18h., and the minimum for the period 18h.–7h. Previously the period was 7h.–7h. The normal values given above are based upon extremes taken over the 24 hours.

METEOROLOGICAL OFFICE : AIR MINISTRY, KINGSWAY, W.C.2.

RAINFALL, HUMIDITY AND LOW CLOUD, ...MARCH....., 1923.

Equivalents of Temperature. A°. F°. 283·6 51, 288·0 59, 288·6 60, 293·0 68, 293·6 69, 298·0 77, 298·6 78, 303·0 86	Sunshine. Number of Days with duration. Nil.	0·1—6h.	6·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months.	Difference from average.	Total for Month.	Difference from average.	Rainfall. Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hrs. mm.	Date.	Total for past 12 months.	Difference from Average.	Total for Month *	Difference from Average.	Days with Thunder.	Days with Snow or Sleet.
								hours.	hours.	hours.	hours.									mm.	mm.	mm.	mm.		
Stornoway ...	4	7	6	7	7	10·6	19	1297	+38	166	+61	16	6	8	1	0	0	7	3	1135	-131	32	-72	0	0
Aberdeen ...	7	10	6	7	1	10·0	26	1226	-161	102	-15	15	7	6	2	1	0	18	3	803	+55	45	-16	0	1
Edinburgh ... (Inchkeith)	8	9	9	3	2	10·0	24	1346	*	94	*	23	2	6	0	0	0	5	12	447	*	17	*	0	0
Renfrew	3	13	9	5	1	9·3	13	1115	*	91	*	20	3	5	3	0	0	9	6	811	*	37	*	0	0
Eskdalemuir ...	8	3	8	5	2	10·1	23	1145	*	103	*	18	4	3	6	0	0	12	5	1283	*	61	*	0	3
Dublin ... ... (Phœnix Park)	4	12	8	5	2	9·6	29	1479	-28	110	-13	16	5	10	0	0	0	3	1	591	-114	23	-27	1	0
Birr Castle ...																									
Valencia ... ... (Cahirciveen)								1204	-141	134	+11											135	+20		
Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	18	7	5	1	0	0	9	31	643	+22	37	-9	0	0
Holyhead ...	2	11	8	7	3	10·1	29	1545	*	136	*	17	7	5	2	0	0	6	1	766	-122	28	-39	0	0
Liverpool ... (Bidston)	4	12	9	6	0	8·7	25	1434	*	103	*	17	6	8	0	0	0	4	3	602	-107	29	-19	1	0
Nottingham ...	9	11	8	3	0	7·9	24	1139	-186	68	-37	15	12	4	0	0	0	4	1, 6	638	+66	25	-15	0	0
Cranwell	9	7	8	7	0	9·0	18	1590	*	103	*	15	10	3	3	0	0	13	12	669	*	41	*	2	0
Gorleston ...	6	8	4	10	3	10·5	29	*	*	136	*	16	6	6	3	0	0	7	6, 7, 23	648	+26	44	0	1	0
Ross-on-Wye ...	6	8	14	2	0	8·1	24	1443	*	81	*	14	9	6	2	0	0	6	23	690	-28	30	-22	1	0
Benson	*	*	*	*	*	*	*	*	*	*	*	11	8	9	3	0	0	12	12	656	*	65	*	2	0
London ... ... (Kew Obsy.)	11	10	5	5	0	8·5	24	1420	-55	73	-32	17	4	7	3	0	0	15	12	578	-28	53	+10	2	1
Croydon	8	12	7	2	2	9·4	27	1450	*	85	*	13	6	8	4	0	0	12	12	702	*	51	*	0	0
Grain	8	10	4	9	0	8·8	27	1575	*	101	*	14	8	6	3	0	0	8	23	481	*	39	*	0	0
Lympne	5	11	4	6	5	10·4	27	1721	*	133	*	14	8	5	4	0	0	13	7	707	*	51	*	2	0
Southampton ... (Calshot)	5	9	9	5	3	10·2	24	1724	*	118	*	18	6	5	2	0	0	7	12	594	*	26	*	1	0
Falmouth ... Observatory	3	9	8	9	2	9·6	13	1668	-91	137	-1	12	9	6	4	0	0	13	1	1166	+59	56	-32	0	0

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 %.
Aberdeen ...	1	3	12	9	4	1	1	0	0
Renfrew... ...	0	0	3	11	11	5	1	0	0
Eskdalemuir ...	0	0	5	7	6	9	4	0	0
Valencia... ...	0	0	1	8	20	2	0	0	0
Benson	1	3	7	7	13	3	0	0	0
London ... ... (Kew Obsy.)...	0	0	4	11	13	6	0	0	0
Falmouth ...	1	2	4	11	13	0	0	0	0

STATE OF GROUND AT 13 h.

No. of Days each type was recorded.

Station.	0	1	2	3	4	5	6	7	8	9
Aberdeen ...	12	14	15	0	0	0	0	0	0	0
Renfrew... ...	15	8	8	0	0	0	0	0	0	0
Eskdalemuir ...	18	7	6	0	0	0	0	0	0	0
Valencia ...	12	12	7	0	0	0	0	0	0	0
Benson	0	18	13	0	0	0	0	0	0	0
London ... ... (Kew Obsy.)	0	21	10	0	0	0	0	0	0	0
Falmouth ...	24	2	5	0	0	0	0	0	0	0

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer.
9=Glazed roads (ice on roads from frozen rain or melted snow).

NOTES ON CHART OF ISOPLETHS (p. 4).

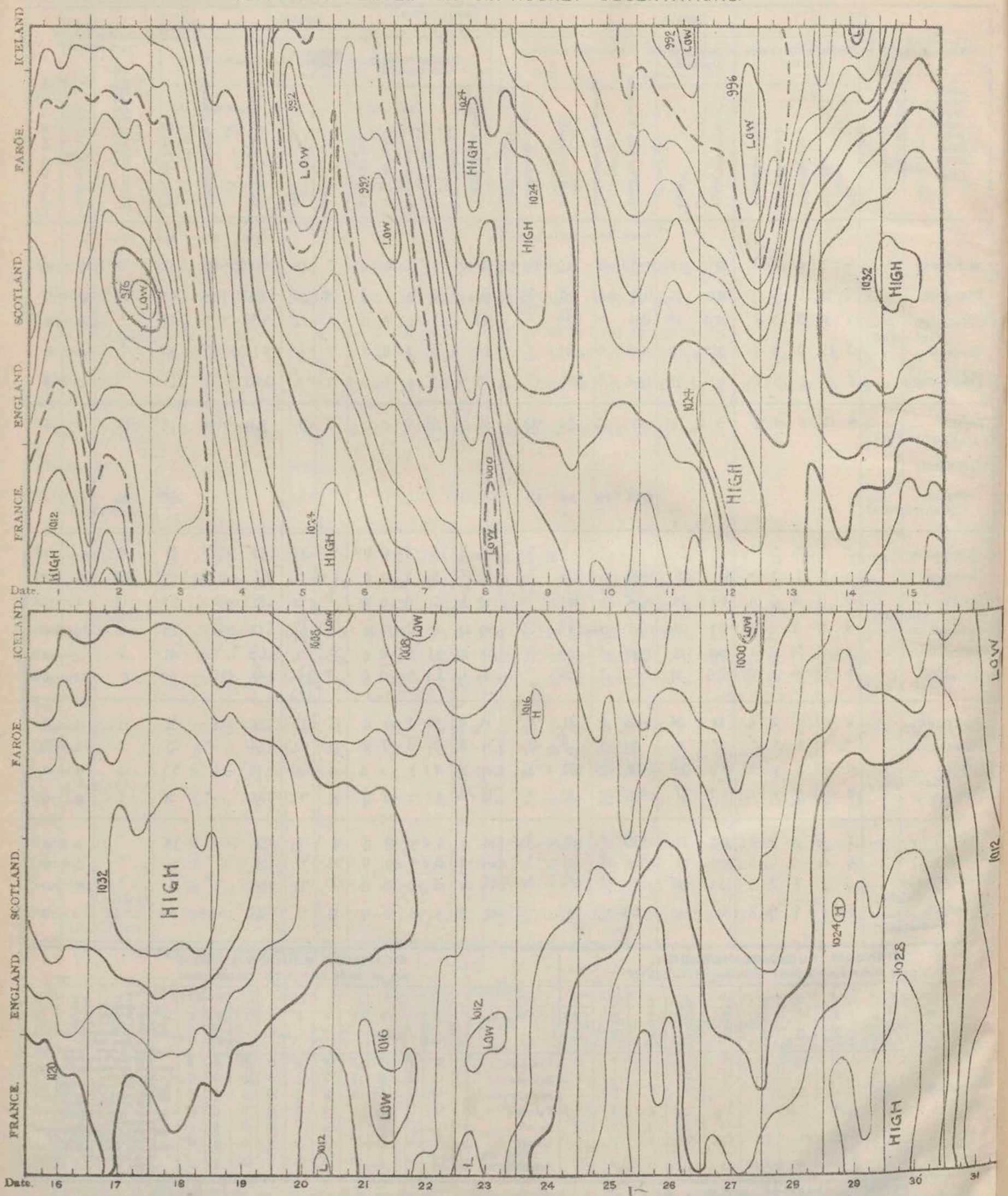
The diagram is obtained by drawing a line from Akureyri in Iceland to the South of France, near Marseilles. The points at which the isobars drawn for 4 mb pressure intervals intersect this line at 1h., 7h., 13h. and 18h. are plotted consecutively and joined to show the variation of pressure from day to day at any point in the line. The line terminates at Lat. 68° N., Long. 18° W. in the north, at Lat. 44½° N., Long. 4° E. in the south.

* Based in part on reports made by telegraph in which the daily falls are rounded off to the nearest whole millimetre. Small discrepancies may arise between these totals and those given in the Monthly Weather Report which are based on readings taken to 0·1 mm.

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

PRESSURE: ICELAND TO GULF OF LIONS MARCH 1923.

ISOPLETHS* BASED ON SIX-HOURLY OBSERVATIONS.



* For explanation see page 3. ——— = 1,020 mb. — — — — = 1,000 mb. ×—×—×—× = 980 mb. o—o—o = 960 mb.

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

FIRST QUARTER, JANUARY TO MARCH.

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

	STATIONS.	PRESSURE. 1906-1915.	AIR TEMPERATURE.							RAINFALL. 1881-1915.			BRIGHT SUNSHINE. 1881-1915.	
			Means of			Absolute Extremes.								
			1906-1915.	1881-1915.		1881-1915.								
						Maximum.		Minimum.						
		7 a.m. Observations (reduced to M.S. Level).	Dry Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Temp.	Year.	Temp.	Year.	Days with Rain.	Total Fall.		Daily Mean.	Per Centage of Possible Duration.
		mb	°F.	°F.	°F.	°F.		°F.			mm.	in.	hr.	%
JANUARY.	Lerwick	1007·0	39·6	42·6	35·6	52	1898	? 16	1910	27	108	4·26	—	—
	Stornoway	1008·3	40·3	43·7	34·9	55	1890	11	1881	25	131	5·17	0·90	13
	Castlebay (Barra Isd.)	[1009·0]§	[43·0]§	[45·6]§	[39·3]§	[52]§	[1908, 09, 10, 14]§	[28]§	[1910]§	[24]§	[80]§	[3·16]§	[0·97]§	[13]§
	Eskdalemuir	[1012·7]¶	[34·8]¶	[39·6]‖	[30·4]‖	[51]‖	[1910, 11, 15]‖	[3]‖	[1910]‖	[21]‖	[114]‖	[4·48]‖	[1·03]‖	[14]‖
	Malin Head	1010·3	41·1	[44·4]°	[37·4]°	[55]°	[1898]°	[23]°	[1894]°	[22]°	[66]°	[2·61]°	—	—
	Blacksod Point	1011·9	43·7	[46·5]°	[38·8]°	[56]°	[1890]°	[26]*	[1891, 94]°	[25]°	[129]°	[5·09]°	—	—
	Valencia	1014·9	44·4	48·5	40·2	55	1882, 3, 4, 8, 90, 98, 1901	20	1894	24	139	5·49	1·55	19
	Roche's Point	1016·0	43·2	47·5	39·4	57	1889	20	1894	21	105	4·15	—	—
	Birr Castle	1014·3	39·3	45·2	34·3	57	1898	6	1881, 94	20	72	2·83	1·61	20
	Donaghadee	1013·5	40·5	44·8	36·3	58	1898	14	1881	20	64	2·53	—	—
	Liverpool (Observatory)	1015·4	38·7	43·3	35·3	58	1898	9	1881	17	54	2·12	[1·94]§	[24]§
	Holyhead	1014·8	42·3	45·2	38·4	54	1899, 1915	20	1894	19	74	2·91	[1·42]°°	[18]°°
	Pembroke (St. Ann's Hd.)	1015·9	42·9	45·9	39·4	53	1899, 1907, 14	19	1881, 94, 1907	20	84	3·31	1·71	21
	Scilly (St. Mary's)	1017·3	45·6	49·1	42·3	57	1899	25	1894	21	76	2·98	1·90	23
	Falmouth	1018·0	43·1	46·9	39·9	55	1888, 90, 96	20	1894	20	107	4·21	1·87	22
	Jersey (St. Aubin's)	1019·0	42·8	46·6	38·6	57	1899	12	1891	20	75	2·94	2·19	26
	Portland Bill	1016·5	43·0	45·5	38·7	[52]†	[1901, 03, 05,† 11, 12, 13, 15]	[23]†	[1907]†	16	57	2·26	—	—
	Dungeness	1016·6	39·4	43·8	34·7	55	1898	11	1893	16	48	1·90	—	—
	Dover	[1015·5]§	[38·1]§	[43·2]§	[34·4]§	[55]§	[1914]§	[17]§	[1910]§	[18]§	[57]§	[2·25]§	[2·10]§	[25]§
	Wick	1008·5	38·0	42·5	33·3	60	1898	−4	1881	21	62	2·46	—	—
	Nairn	1009·5	36·9	42·6	31·8	59	1887	4	1910	18	51	1·99	[1·32]‡	[18]‡
	Aberdeen	1011·1	37·1	42·3	33·4	59	1898	4	1881	18	55	2·18	1·55	21
	Leith	1012·0	39·2	44·0	34·2	58	1898	9	1881	15	42	1·66	—	—
	Tynemouth	1013·5	38·5	43·5	33·6	58	1898	6	1881	15	41	1·63	—	—
	Spurn Head	1014·3	38·3	42·1	34·7	55	1898	13	1881	15	35	1·36	[1·29]°°	[16]°°
	Yarmouth	1015·9	37·8	41·8	33·7	57	1899	10	1881	18	44	1·74	[1·81]§	[22]§
	Clacton-on-Sea	1016·8	37·7	41·8	33·9	[55]‡	[1914]‡	[18]‡	[1915]‡	14	34	1·34	1·87	23
	Nottingham	1015·7	37·1	42·6	32·6	56	1882, 88, 98, 99 1908, 10, 14	2	1881	19	46	1·81	1·10	14
	LONDON (Kew Obsy.)	1017·5	38·3	43·1	34·6	56	1910	9	1881	16	45	1·76	1·39	17
FEBRUARY.	Lerwick	1002·6	39·0	42·1	34·5	53	1910	17	1895	23	80	3·16	—	—
	Stornoway	1004·0	39·2	44·1	34·2	55	1891	12	1892	22	113	4·46	2·06	22
	Castlebay (Barra Isd.)	[1005·0]§	[42·7]§	[45·8]§	[38·9]§	[52]§	[1914]§	[27]§	[1912]§	[22]§	[91]§	[3·58]§	[1·76]§	[19]§
	Eskdalemuir	[1007·6]¶	[35·4]¶	[41·9]‖	[31·6]‖	[51]‖	[1912]‖	[10]‖	[1912]‖	[22]‖	[183]‖	[7·19]‖	[1·60]‖	[16]‖
	Malin Head	1025·8	40·7	[44·6]°	[37·1]°	[59]°	[1891]°	[20]*	[1895]°	[19]°	[61]°	[2·41]°	—	—
	Blacksod Point	1008·0	42·9	[46·7]°	[38·1]*	[61]°	[1891]°	[23]°	[1912]°	[22]°	[103]*	[4·06]°	—	—
	Valencia	1010·6	43·5	48·8	39·7	58	1891	22	1895	21	132	5·20	2·48	25
	Roche's Point	1011·4	42·5	47·8	39·1	56	1889, 1896	25	1895, 1900, 02, 12	18	94	3·70	—	—
	Birr Castle	1009·7	39·1	46·7	34·4	60	1912	6	1895	17	58	2·29	2·41	25
	Donaghadee	1009·4	40·0	45·6	36·1	57	1897, 1903, 11	16	1895	18	58	2·20	—	—
	Liverpool (Observatory)	1010·7	38·7	44·2	35·6	59	1885, 1898	12	1895	16	42	1·68	[2·65]§	[28]§
	Holyhead	1010·2	41·9	45·4	38·0	59	1891	17	1895	17	62	2·43	[2·50]°°	[26]°°
	Pembroke (St. Ann's Hd.)	1011·5	42·2	45·6	38·9	56	1903	23	1895	17	—	2·66	2·70	28
	Scilly (St. Mary's)	1012·8	45·1	48·9	41·7	57	1896, 1899	27	1895	17	65	2·57	3·01	30
	Falmouth	1013·8	42·6	47·1	39·6	58	1899	22	1895	17	94	3·70	2·98	30
	Jersey (St. Aubin's)	1015·2	42·4	47·3	38·7	62	1891	18	1895	17	62	2·44	3·30	33
	Portland Bill	1012·5	42·4	45·6	38·5	[54]†	[1905]†	[24]†	[1912]†	13	49	2·93	—	—
	Dungeness	1012·9	39·5	44·5	35·2	57	1897	11	1889	15	41	1·60	—	—
	Dover	[1014·1]§	[39·4]§	[45·6]§	[35·9]§	[56]§	[1913]§	[17]§	[1912]§	[17]§	[43]§	[1·68]§	[3·16]§	[32]§
	Wick	1003·9	37·8	42·8	32·8	57	1897, 1903	2	1895	19	58	2·27	—	—
	Nairn	1005·0	36·8	43·9	31·3	64	1891	0	1895, 97	17	46	1·80	[2·59]‡	[28]‡
	Aberdeen	1006·7	37·7	43·2	33·4	64	1897	6	1895	17	52	2·05	2·59	28
	Leith	1007·2	38·8	45·2	33·8	59	1882	12	1895, 1912	14	36	1·42	—	—
	Tynemouth	1008·7	38·5	44·5	33·7	60	1898, 99	7	1895	14	35	1·37	—	—
	Spurn Head	1010·0	38·7	43·0	35·1	61	1899	20	1895	14	31	1·21	[2·79]°°	[29]°°
	Yarmouth	1012·1	38·1	42·9	34·0	60	1912	15	1895	15	38	1·49	[2·84]§	[29]§
	Clacton-on-Sea	1012·9	38·1	42·9	34·4	[58]‡	[1903]‡	[18]‡	[1912]‡	12	32	1·25	2·94	30
	Nottingham	1011·4	37·6	44·6	33·2	61	1899	2	1895	16	39	1·55	2·06	21
	LONDON (Kew Obsy.)	1013·5	38·5	45·0	35·1	62	1899	11	1895	13	39	1·54	2·13	22
MARCH.	Lerwick	1005·7	38·3	42·9	34·4	57	1893	19	1891	25	80	3·14	—	—
	Stornoway	1007·4	38·6	45·3	34·4	57	1894, 1907	13	1881	24	104	4·10	3·39	29
	Castlebay (Barra Isd.)	[1006·7]§	[41·7]§	[45·7]§	[38·5]§	[52]§	[1911]§	[27]§	[1915]§	[22]§	[77]§	[3·02]§	[4·87]§	[33]§
	Eskdalemuir	[1027·2]¶	[35·2]¶	[44·2]‖	[31·9]‖	[55]‖	[1910, 1915]‖	[16]‖	[1913]‖	[21]‖	[133]‖	[5·24]‖	[3·10]‖	[26]‖
	Malin Head	1008·2	40·7	[46·0]°	[37·7]°	[62]°	[1894]°	[25]°	[1906]°	[21]°	[59]°	[2·32]°	—	—
	Blacksod Point	1009·8	42·7	[47·9]°	[38·6]°	[64]°	[1894, 1899]°	[26]°	[1891, 1900, 09]°	[23]°	[104]°	[4·10]°	—	—
	Valencia	1011·8	43·4	50·0	39·9	66	1899	26	1899, 1901	21	115	4·54	3·97	34
	Roche's Point	1012·2	42·5	49·3	39·2	61	1899	27	1890	18	76	3·01	—	—
	Birr Castle	1011·0	38·8	49·2	34·6	66	1894	18	1891	18	61	2·40	3·55	30
	Donaghadee	1010·1	39·9	47·4	36·7	64	1892	25	1892, 1906	19	56	2·19	—	—
	Liverpool (Observatory)	1011·0	39·6	46·9	36·9	65	1884, 94, 1907	21	1886	17	48	1·90	[3·52]§	[30]§
	Holyhead	1010·8	41·9	46·9	38·4	67	1894	27	1881	18	67	2·62	[4·05]°°	[35]°°
	Pembroke (St. Ann's Hd.)	1011·7	41·9	46·7	39·0	58	1899	26	1888, 1909	17	66	2·58	4·19	36
	Scilly (St. Mary's)	1012·6	45·0	49·9	42·0	59	1893	30	1883, 90, 91	18	62	2·45	4·52	38
	Falmouth	1013·4	42·7	48·7	39·8	60	1914	24	1890	18	88	3·46	4·45	38
	Jersey (St. Aubin's)	1014·1	43·4	49·9	39·9	66	1893, 94, 1903	21	1890	18	64	2·51	4·74	40
	Portland Bill	1011·8	42·7	47·5	39·1	[59]†	[1900]†	[26]†	[1909]†	15	51	2·02	—	—
	Dungeness	1011·8	40·7	47·0	36·4	60	1903	12	1909	15	45	1·76	—	—
	Dover	[1010·8]§	[40·8]§	[47·4]§	[37·0]§	[58]§	[1911, 15]§	[17]§	[1909]§	[20]§	[64]§	[2·50]§	[3·97]§	[34]§
	Wick	1006·7	37·7	44·9	33·8	62	1894	10	1900	21	58	2·27	—	—
	Nairn	1007·4	36·6	46·4	32·6	66	1907	6	1892	19	48	1·87	[3·81]‡	[33]‡
	Aberdeen	1008·3	38·0	45·7	34·4	66	1889, 91, 92	10	1889	20	61	2·41	3·77	32
	Leith	1008·7	39·3	47·7	34·9	68	1884	19	1881, 89	17	44	1·75	—	—
	Tynemouth	1009·4	38·7	46·9	34·4	67	1907	15	1889	16	46	1·81	—	—
	Spurn Head	1009·9	39·5	45·7	36·3	62	1890, 93, 1903	24	1886	15	36	1·40	[3·71]°°	[32]°°
	Yarmouth	1011·1	39·2	45·8	35·4	65	1906, 14	18	1892	17	44	1·75	[3·77]§	[32]§
	Clacton-on-Sea	1010·9	39·5	46·2	35·8	[60]‡	[1912, 14]‡	[19]‡	[1909]‡	13	37	1·44	4·23	36
	Nottingham	1011·2	38·2	48·3	34·3	68	1884	14	1909	18	42	1·65	3·39	29
	LONDON (Kew Obsy.)	1012·6	39·3	48·7	36·0	67	1896	17	1909	14	43	1·69	3·39	29

* Results for 30 years, 1886–1915.
† " 16 " 1900–1915.
‡ " 15 " 1901–1915.
‖ Results for 9 years, 1907–1915.
§ " 8 " 1908–1915.
‖ " 6 " 1910–1915.
¶ Results for 5 years, 1911–1915.
°° " 2 " 1914–1915.

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

(7055—12.) Wt. 47589—8458. 3000. 4/16. D & S. G. 3.

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22379 THURSDAY 1ST MARCH 1923.

Observations at 1800 G.M.T. 28th Feby

Stations	Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	995.4	+2	E	4	or₀	37	92	6	2500	Nb	10	-	10	•
Stornoway	986.8	+2	ENE	5	o/r	41	92	6	450	St.	10	-	10	•
Wick	988.0	+1	E	5	or₀r₀	39	97	7	2500	Nb	10	-	10	•
Castlebay	984.2	+3	NE	2	o	44	85	8	1500	St	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	985.0	+2	E	3	od	42	97	4	450	Nb	10	-	10	2
Malin Head	982.7	+1	NW	1	or	46	97	8	5700	Nb	6	A.Cu	10	•
Renfrew	984.5	+3	-	0	od₀	41	97	4	800	Nb	10	-	10	2
Edinburgh (Inchkeith)	984.0	+3	N	1	ffo	42	97	2	✳	St.	10	-	10	•
Leuchars	983.5	+2	NE	2	od₀d₀	42	97	2	<150	St.	10	-	10	2
Eskdalemuir	984.3	+2	-	0	or₀r₀	41	92	7	1500	Nb	10	-	10	2
Tynemouth	983.7	+2	W	2	o/r	44	92	6	4000	St.Cu	10	-	10	•
Blacksod Point	987.3	+1	W	4	o	48	75	7	-	CuNb	9	-	9	•
Donaghadee	985.2	+1	WSW	3	bc	50	75	8	-	-	0	A.Cu	4	•
Birr Castle	987.5	•	SW	1	c-	48	75	8	4000	St.Cu	5	Ci.Cu	7	•
Holyhead	986.8	-1	SW'W	4	bc	48	85	8	4000	St.Cu	4	Ci	5	2
Liverpool (Bidston)	986.5	-1	WSW	4	bc	48	75	7	2500	St.Cu	4	-	4	•
Chester (Shotwick)	987.1	+1	WSW	4	bc	50	65	8	2500	Cu	4	Ci.Cu	5	1
Spurn Head	986.3	+4	WSW	4	o	45	92	7	4000	St.Cu	10	-	10	✳
Nottingham	987.5	•	WSW	4	bc	49	75	7	2500	Cu	3	Ci	4	•
Cranwell	987.6	•	WSW	4	b	50	65	7	2500	Cu	4	-	4	•
Gorleston	990.0	+2	WSW	4	bc	51	65	7	4000	St.Cu	4	-	4	✳
Valencia (Cahirciveen)														
Roches Point	989.1	+1	NW	2	o-	49	92	6	-	-	0	A.St	9	
Pembroke (St. Ann's H.)	988.7	-2	SW	6	c/r	47	85	8	2500	CuNb	5	Ci	7	•
Ross-on-Wye	990.0	-1	SW'S	2	or	43	92	7	2500	Nb	10	-	10	2
Benson	990.1	-3	SW	3	o+	47	85	8	✳	St.Cu	10	-	10	2
Andover	991.2	-1	S'W	4	or-	46	97	8	1500	Nb	10	-	10	2
S. Farnborough	991.5	-3	SW	4	or₀	49	75	5	800	Nb	10	-	10	1
London (Kew Obsy.)	990.8	-3	SW	3	o	51	75	8	2500	St.Cu	8	Ci.Cu	9	1
Croydon	991.5	-2	SSW	4	o/r	50	75	7	1500	St.Cu	7	A.Cu	9	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	991.8	0	SW	3	bc+	48	75	8	4000	St.Cu	4	A.Cu	5	•
Grain	991.6	-2	SSW	4	c/r	47	85	8	4000	St.Cu	7	Ci	8	2
Lympne	990.9	-8	-	0	or₀r₀	43	97	4	<150	Nb	9	A.St	10	4
Scilly (St. Mary's)	990.8	-2	W'S	6	orr	45	92	6	800	St.	10	-	10	•
Falmouth (Pendennis)	992.0	-2	W	6	cpr₀	48	75	7	4000	CuNb	7	-	7	•
Plymouth (Cattewater)	992.4	-1	WSW	6	o/r	48	75	7	2500	CuNb	9	-	9	2
Portland Bill	991.5	-4	WSW	7	c+	49	85	7	-	-	0	A.Cu	7	•
Southampton (Calshot)	992.1	-3	SW	4	or₀	48	92	8	2500	Nb	9	-	9	2
Dungeness	989.7	-3	SW	5	c+	48	92	8	1500	St.	8	-	8	•
Jersey	997.4	0	WSW	6	CPR	48	85	7	1500	CuNb	8	-	8	•

Observations at 1800 G.M.T. 28th Feby

Stations	Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	994.7	0	E	4	orr	36	97	6	2500	Nb	10	-	10	3
Stornoway	988.3	+2	ENE	4	o/r	41	92	6	450	St.	10	-	10	3
Wick	989.0	+2	E	5	or₀r₀	39	97	6	2500	Nb	10	-	10	5
Castlebay	986.0	+2	NE	2	o	44	85	8	2500	Cu	10	-	10	2
Nairn	987.3	•	E	1	o	40	97	7	1500	St.	6	A.St	9	•
Aberdeen	987.0	+3	E'N	4	or	40	97	6	450	Nb	10	-	10	6
Malin Head	984.5	+1	W	2	o-	44	92	8	4000	St.Cu	10	-	10	2
Renfrew	985.7	+2	~	0	odd	41	97	3	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	985.3	+2	NE	2	mo-	41	97	6	✳	St.	10	-	10	2
Leuchars	985.1	+2	NE	2	mmo	42	97	5	225	St.	10	-	10	•
Eskdalemuir	985.2	+1	W'S	2	o/r	41	92	6	225	St.Cu	10	-	10	•
Tynemouth	985.3	+2	-	om	o	44	92	5	4000	St.Cu	7	A.St	10	2
Blacksod Point														
Donaghadee	985.9	+1	WSW	2	o/r	45	85	8	1500	St.	6	A.Cu	9	!
Birr Castle	989.4	•	W	3	c+	45	85	8	2500	Cu	8	-	8	•
Holyhead	988.4	+3	SW	4	c+	46	92	8	4000	St.Cu	8	-	8	3
Liverpool (Bidston)	987.9	+2	WSW	2	bc+	43	85	7	2500	Cu	3	A.Cu	6	3
Chester (Shotwick)	987.9	+2	SW	3	c	44	75	7	2500	St.Cu	7	Ci.St	8	
Spurn Head	987.1	+1	WSW	2	o	43	92	5	1500	St.	10	-	10	4
Nottingham	987.9	•	WSW	2	o+	45	92	5	2500	St.Cu	10	-	10	•
Cranwell	987.8	+1	SW'S	3	bc	43	85	6	2500	St.	6	-	6	•
Gorleston	990.2	0	SW	4	orr	47	75	6	2500	Nb	10	-	10	1
Valencia (Cahirciveen)	995.6	+4	W'S	5	bc	48	75	8	2500	St.Cu	3	A.Cu	5	6
Roches Point	994.1	+5	W	3	c	46	85	8	2500	CuNb	7	-	7	1
Pembroke (St. Ann's H.)	991.7	+4	W	6	bc	45	85	8	4000	Cu	5	-	5	5
Ross-on-Wye	989.4	0	SW	3	od₀	44	85	7	2500	Nb	9	-	9	•
Benson	990.2	0	SW	2	o+	43	92	9	✳	Cu	9	-	9	•
Andover	990.5	0	SW'S	3	c/r	42	92	8	2500	St.Cu	7	-	7	•
S. Farnborough	991.1	0	SW	4	c/p	44	85	7	2500	CuNb	6	A.Cu	8	•
London (Kew Obsy.)	990.7	+1	W	3	or₀	~~45~~ 47	~~85~~ 75	6	1500	Nb	9	-	9	•
Croydon	990.8	0	SW'S	2	o/r	45	85	6	800	Nb	10	-	10	•
Clacton-on-Sea	990.0	-1	SW	4	c+	46	92	7	2500	CuNb	5	A.Cu	7	!
Shoeburyness	990.5	-1	SW	6	oPR+	45	85	7	1500	Nb	9	-	9	•
Grain	991.1	0	SW	3	bc/r	44	85	7	2500	CuNb	5	-	5	0
Lympne	991.9	0	WSW	5	bc	44	85	8	2500	CuNb	3	A.St	5	•
Scilly (St. Mary's)	996.4	+11	NW'W	7	bc	47	92	7	4000	St.Cu	3	Ci	5	8
Falmouth (Pendennis)	995.4	+6	NW	6	c/r	46	85	8	2500	CuNb	7	-	7	4
Plymouth (Cattewater)	993.3	+6	WNW	5	or₀	46	85	7	2500	CuNb	9	-	9	1
Portland Bill	990.0	-3	W	5	o/r	46	92	6	-	-	0	A.St	10	8
Southampton (Calshot)	990.9	-1	SW'S	4	o+	46	85	7	1500	St.Cu	6	A.St	10	3
Dungeness	991.8	0	SW	6	cR	46	85	4	1500	Nb	3	CiCu	4	6
Jersey	993.8	-3	WSW	6	c/r	48	85	6	1500	CuNb	8	-	8	6

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 1st								Yesterday.		To-day.
Kew } 24 hours ended 0700	bcco	obbcb₂r	ramp	•	•	37	1	2	4.0	•	•
Croydon }	bccor,q	obrRrg	ocm,m	•	•	38	3	1	3.8	•	•
Greenwich (Royal Obsy.)	bo	bcoidr	oirbco	53	42	36	2	1	4.3	82	73
City (Bunhill Row)	•	•	•	•	•	•	•	•	1.4	•	•
Westminster (St. James' Pk.)	•	•	•	51	43	37	•	3	3.9	78	74
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	2.4	•	•
Camden Square	b	o	•	52	42	39	3	-	•	•	74
Kensington Palace	bcp	bcor	•	52	41	36	2	1	•	85 (18h)	76
Hampstead Observatory	•	•	•	50	42	33	3	-	3.9	•	75

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 28

South Kensington Max.	Time.	Min.	Time.
0.3	17-20h 27	<0.3	1-5h 28th
0.2	12-14h 28th		

Kew Observatory Max.	Time.	Min.	Time.
0.3	17h-27	<0.3	23h-4h 28th
0.4	12h-28th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 28th Feby 18 h 30 m. to 1st Mar. 05 h 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	11.15	04.22	[illegible]
δ Ursae Minoris	11.15	04.40	36

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1800 & 0900 reports (hoar frost in 0900 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or wetted sand).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	C_1C_2	6	2	15
07h.	C_1C_2	6	3	45

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 1st & 2nd MARCH, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.43 / 6.40	12.6 / 12.5	5.29 / 5.30
Greenwich	6.49 / 6.46	12.13 / 12.12	5.37 / 5.38
Wick	7.11 / 7.8	12.25 / 12.24	5.39 / 5.41
Valencia	7.31 / 7.28	12.59 / 12.58	6.17 / 6.18

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail".

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 33 feet above the ground.

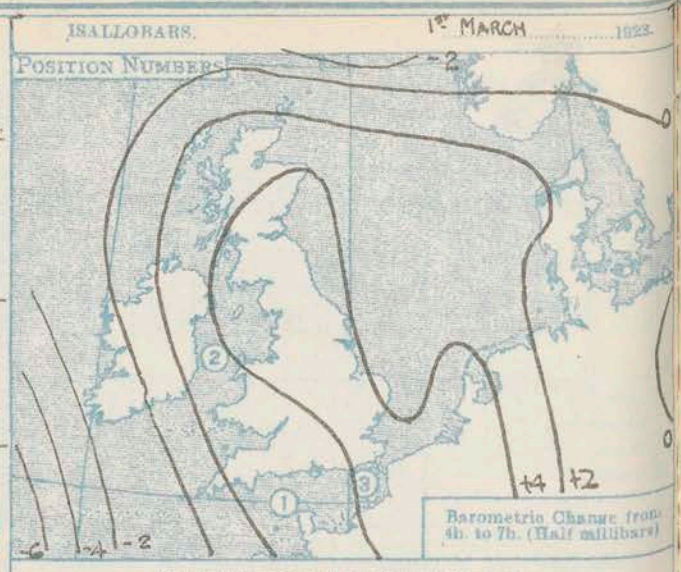
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

¹ For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 5.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-18h. 28th	Weather. 18h.-18h. 28th	Weather. 18h. 28th to 1h. 1st	Weather. 1h.-7h. 1st	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall. Day. 7h.-18h. mm.	Rainfall. Night. 18h.-7h. mm.	Rainfall. Precipitation began.	Rainfall. Precipitation began.	Sun. 28th Hours.
Lerwick	omrsr	omrs	omr	0	39	35	•	5	1	<0800	<21.00	0.0
Stornoway	r.d	rord	c	0	41	38	•	5	–	<0800	–	0.0
Wick	orr	r.r.m	oir.	0	40	34?	•	2	0.2	<0800	<21.00	•
Castlebay	bo	0	0	0	44	40	•	–	–	–	–	0.3
Nairn	cm	0	odm	om	41	35	•	1	1	0900	22.00	0.0
Aberdeen	ir.id	orrir	id.rm	id.rm	42	34	35	4	1	<0800	<21.00	0.0
Malin Head	coir.	o	oir	oir	46	42		0.6	4	<0800	22.00	0.0
Renfrew	omfib	omfd.d.	ofdmrr	omomrr	42	38	38	0.6	4	0900	<21.00	0.0
Edinburgh (Inchkeith)	iloff	ttd.	oid.	o	42	38	34	0.2	1	1630	–	0.0
Leuchars	omd.	ofome	oo	ome	44	37	34	0.1	0.1	1100	<2100	0.1
Eskdalemuir	oor.	oroudm	o	o	42	36	35	2	–	1100	–	0.0
Tynemouth	p.m	omp.	oir.m	oirm	44	40	35	0.1	5	1100	<21.00	•
Blacksod Point				P	50	40	•		4	–	–	•
Donaghadee	bc	bccp	c	cp	46	40	•	0.1	2	1630	<21.00	•
Birr Castle	co	copr	cPRc		51	42		0.5	2	1430	<2100	6.8
Holyhead	cocbc	bc c	cobcor.	or.oo	48	40	35	–	0.1	–	<21.00	3.0
Liverpool (Bidston)	bcoc	bc c	r:d	r:d	49	43	42	–	3	–	0130	3.1
Chester (Sbotwick)	or.ob	bc c	cc	cobr	49	39	36	Trace	0.6	<0800	03.30	4.1
Spurn Head	c	p	c	p.	51	42	35	Trace	Trace	<0800	05.30	1.5
Nottingham	cd.	p	oc	p	46	39	•	Trace	0.5	0900	01.30	3.8
Cranwell	bcpoc	c	o	or.	51	41	88	Trace	0.2	<0800	05.30	7.5
Gorleston	bcprqbcc	bccor	orc	cprbc	51	40	38	Trace	11	1730	<21.00	5.0
Valencia (Cahirciveen)		bcphc	bcp	cb	50	43	38	2	Trace	<0800	–	2.6
Roches Point	rrop.ru	cpo	bebw	bwc	49	40	*	2	0.1	<0800		*
Pembroke (St. Ann's H.)	oq.pr	eapcq	cq	c	47	45	•	2	–	<0800	–	2.7
Ross-on-Wye	pbcor	rbcpoc	opbccpo	oqbcc	50	42	38	2	1	1230	<21.00	4.7
Benson	bcco	p	co	co	51	41	37	2	0.3	1430	<21.00	•
Andover	cooir	orcPrq	copro	o	51	39	34	2	0.2	1230	<21.00	3.8
S. Farnborough	b.bccpr	orc.qp	cpr	cobrc	51	38	34	1	4	1430	<2100	3.4
London (Kew Obsy.)	bcco	opbcpnrcmbpbcc		cmc	51	43	37	1	2	1330	<21.00	4.0
Croydon	bccorq	oprR r.q	ocrrrsm	co	50	41	38	3	1	1100	<21.00	3.8
Clacton-on-Sea	bc	cp	cpc	cp	52	41	37	0.5	2	1530	<21.00	5.2
Shoeburyness	bqbc	bccopr	obrc	bcb	51	41	38	1	1	1430	<21.00	5.3
Grain	cbop.c	bobcpqb	bccpo	ooc	51	41	34	1	0.2	1100	<21.00	4.3
Lympne	bcbomfcrrRorr.b		bccopr	ocbc	48	40	37	4	0.1	<0800	<21.00	3.2
Scilly (St. Mary's)	bccp	cbcpq	bcqhr	bccq	51	45	•	3	1	<0800	<21.00	3.0
Falmouth (Pendennis)	ocfq	pcrpq	cpbc	cpbcb	51	44	•	5	2	<0800	<21.00	4.9
Plymouth (Cattewater)	cbop	obcpqh	obqqbc	bcb	51	45	39	3	0.5	<0800	<21.00	3.0
Portland Bill	cqpcq	cqpro	cq	cq	51	44	•	6	–	0900	–	•
Southampton (Calshot)	or.ir	L.c	o	ocrbcc	51	41	40	3	0.6	<0800	02.30	2.6
Dungeness	oq	q.IR	c	bbc	49	43	•	5	–	<0800	–	•
Jersey	ocqp	bcqhy	h.rh	oqp	52	45	•	3	2	<0800	22.00	4.7



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	28th. 10h	Cambria	WSW	5	C	47	47	8
3	1st. 4h	Dieppe	WNW	7	COM	48	47	7

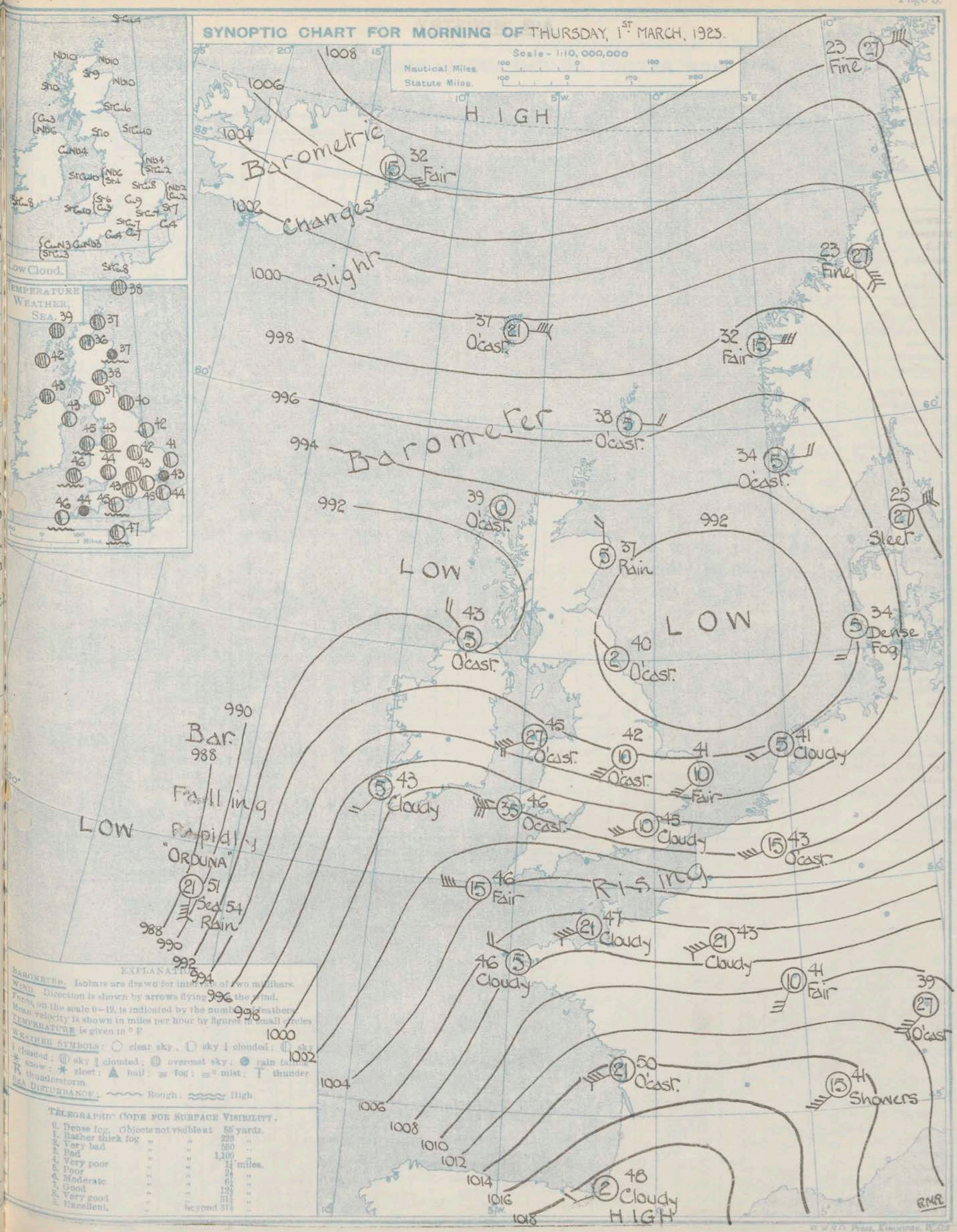
GENERAL INFERENCE.

The new depression to westward of Ireland will cause strong wir mainly between SW. and S. over the southern half of the kingdom with generally cloudy skies and further rain spreading from the West. In the North winds will be lighter and less definite in direction wit with a good deal of cloud and occasional rain or drizzle.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 1st March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Winds mainly between S. and SW, strong, a gale at times in exposed places; a good deal of cloud, some rain; visibility moderate; moderate temperature.	Generally unsettled. ---- South Cone still flying.
8. N.W. England 9. N. Midlands 10. N.E. England	Winds mainly southerly, moderate to strong; a good deal of cloud, some rain; visibility moderate; moderate temperature.	----
11. E. Scotland 12. S.W. Scotland	Wind indefinite, mainly moderate; a good deal of cloud, occasional rain or drizzle; visibility poor in places; rather cold.	South Cone hoisted 10 a.m. 1st.
13. Isle of Man	As 8 - 10.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind indefinite or easterly, moderate to strong; dull, occasional rain or sleet; visibility moderate; rather cold.	----
17. N.W. Ireland 18. N.E. Ireland	As 8 - 10.	
19. S.E. Ireland 20. S.W. Ireland	As 1 - 7.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930 G.M.T. G. C. SIMPSON, F.R.S., Director.

* For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF THURSDAY, 1ST MARCH, 1923.
Scale - 1:10,000,000
Nautical Miles
Statute Miles.
Low Cloud.
Temperature
Weather.
Sea.
HIGH
Barometric changes slight
Barometer
LOW
LOW
Bar. Falling rapidly
LOW
"ORDUNA"
Rising
HIGH
23 Fine
32 Fair
37 O'cast.
38 O'cast.
34 O'cast.
39 O'cast.
37 Rain
43 O'cast.
40 O'cast.
34 Dense Fog
25 Sleet
45 O'cast.
42
41 Cloudy
41 Fair
43 Cloudy
46 O'cast.
45 Cloudy
43 O'cast.
46 Fair
47 Cloudy
43 Cloudy
46 Cloudy
41 Fair
39 O'cast
50 O'cast.
41 Showers
48 Cloudy
51 Sea Rain
54
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 ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles.
5. Poor " " 2 "
6. Moderate " " 4 "
7. Good " " 12 "
8. Very good " " 31 "
9. Excellent. " beyond 31 "
R.M.R.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. THURSDAY 1st MARCH 1923. No. 60

Observations at 0100 G.M.T. 1st

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	995.9	+1	SE	3	or.	39	85	6	4000	Nb	10	-	10	.
Stornoway	991.7	+2	E	0	.	.	.	.	.	.	.	.	.	.
Wick	991.6	+2	E	3	or.	37	37	8	2500	Nb	10	-	10	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	988.1	+2	NW	1	or	43	97	8	5700	Nb	8	ACu	10	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	988.4	+3	NNE	3	o/c	39	97	8	-	St	3	ASt	10	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	987.6	+2	W	1	ocr.	42	92	6	4000	Nb	10	-	10	.
Blacksod Point ...														.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	991.5	+2	W	6	or.	44	97	8	1500	StCu	10	-	10	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	990.1	+2	SW	4	o	42	85	6	4000	StCu	10	-	10	.
Nottingham	"	"	"	"	"	"	"	"	"	"	"	"	"	.
Cranwell	991.5	+3	SW	4	o	41	85	6	2500	StCu	10	-	10	.
Gorleston	992.5	+2	W'S	3	c	43	92	7	4000	Nb	8	-	8	.
Valencia (Cahirciveen)	1001.0	+6	W	4	bc	46	97	6	-	CuNb	5	-	5	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	990.1	+3	W	7	c	46	85	8	4000	Cu	7	-	7	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.) ...	.	.	.	.	.	44	.	.	.	.	.	.	.	.
Croydon	995.6	+5	SW'W	4	c/r	43	85	7	4000	StCu	5	ACu	7	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	995.8	+6	W'N	4	o/r	42	92	8	1500	StCu	10	-	10	.
Scilly (St. Mary's) ...	1002.1	+2	W'N	7	b	47	75	8	4000	CuNb	3	-	3	.
Falmouth (Pendennis)	1001.5	+2	W	6	bcPR	45	85	8	2500	CuNb	5	-	5	.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	997.8	+4	W	6	bc	45	85	7	1500	StCu	6	-	6	.
Southampton (Calshot)	995.9	+2	WSW	5	o	43	92	8	4000	StCu	3	ASt	10	.
Dungeness	995.7	+5	W	4	c	43	92	8	-	-	0	CCu	8	.
Jersey ·7h }	1003.5	+5	W	6	bc/r	46	85	8	-	CuNb	3	CSt	6	.
Guernsey 1h }														

Observations at 0700 G.M.T. 1st

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	996.6	-2	E	2	0	38	85	7	5700	StCu	4	ASt	10	1
Stornoway	992.5	+3	-	0	0	39	92	6	800	Nb	10	-	10	0
Wick	993.1	+3	E	3	o/r	37	97	8	2500	Nb	10	-	10	4
Castlebay	991.7	+3	-	0	0	42	85	8	2500	St	10	-	10	1
Nairn	993.4	.	-	0	o/r	36	85	7	1500	St	9	-	9	.
Aberdeen	992.7	+4	N	2	or.	37	97	6	1500	Nb	10	-	10	6
Malin Head	991.8	+3	NW	2	o/r	43	97	8	2500	Nb	9	-	9	2
Renfrew	993.0	+4	-	0	orr	39	97	5	2500	Nb	10	-	10	.
Edinburgh (Inchkeith)	992.4	+5	NNE	2	0	38	92	8	-	StCu	6	CiSt	10	1
Leuchars	991.8	+4	-	0	0	38	92	7	4000	StCu	10	-	10	.
Eskdalemuir	992.6	+5	-	0	0	37	97	6	1500	St	10	-	10	.
Tynemouth	991.8	+5	NW	1	o/r	40	97	6	4000	StCu	10	-	10	2
Blacksod Point ...	995.2	+3	SW	4	bc	45	97	7	<150	CuNb	9	-	9	5
Donaghadee	993.4	+4	W	2	c-	43	92	8	2500	CuNb	4	ACu	8	1
Birr Castle	997.4	.	SSW	2	bc/r	40	97	7	1500	Cu	6	-	6	.
Holyhead	995.6	+5	W'S	6	o	45	92	8	2500	StCu	10	-	10	6
Liverpool (Bidston) ...	993.7	+4	WSW	6	o/r	43	92	8	1500	Nb	10	-	10	6
Chester (Shotwick) ...	994.1	+4	W	5	o/pr.	44	85	7	1500	St	10	-	10	.
Spurn Head	992.1	+2	WSW	5	bc	42	92	7	4000	Nb	6	-	6	4
Nottingham	994.4	+6	SW	3	o	42	92	6	1500	StCu	8	ACu	9	.
Cranwell	994.3	+5	WSW	4	o	40	92	7	2500	StCu	6	ASt	10	.
Gorleston	994.9	+1	WSW	3	bc-	41	85	7	4000	Nb	4	-	4	0
Valencia (Cahirciveen)	999.5	-1	SW'S	2	c-	43	75	8	4000	StCu	8	-	8	5
Roches Point	1000.1	+1	SSE	1	c+	42	92	7	4000	StCu	2	CuSt	8	1
Pembroke (St. Ann's H.)	1000.0	+4	W	7	o	46	85	8	4000	StCu	10	-	10	7
Ross-on-Wye	998.2	+5	W'S	4	o+	44	75	8	2500	St	9	-	9	.
Benson...	998.2	+3	W	4	o	43	85	8	-	Cu	9	-	9	.
Andover	1000.4	+4	WSW	5	o-	43	85	8	1500	StCu	10	-	10	.
S. Farnborough ...	998.8	+3	W'S	4	c-	43	85	7	1500	StCu	7	ACu	8	.
London (Kew Obsy.) ...	998.6	+4	WSW	3	c	45	75	8	1500	StCu	7	ASt	8	.
Croydon	998.6	+5	SW'W	5	o+	43	85	7	1500	StCu	9	-	9	.
Clacton-on-Sea ...	996.3	+3	WSW	3	opr.	43	85	7	2500	St	7	-	7	0
Shoeburyness	997.4	+2	W	5	b	44	75	7	4000	Cu	2	-	2	.
Grain	997.1	+5	WSW	6	c-	44	75	8	4000	StCu	7	ASt	8	3
Lympne	999.8	+4	W'S	4	bc	41	85	8	1500	St	4	CiSt	6	.
Scilly (St. Mary's) ...	1003.3	0	W	4	bc	46	85	7	4000	CuNb	6	-	6	6
Falmouth (Pendennis)	1004.2	+2	W	4	bpr.	44	85	8	4000	CuNb	3	-	3	1
Plymouth (Cattewater)	1003.7	+2	W	4	b-	45	85	8	4000	Cu	1	-	1	1
Portland Bill	1001.0	+4	W	7	bc-	45	92	7	1500	Cu	4	-	4	8
Southampton (Calshot)	1002.1	+3	SW'W	5	c/r	44	85	8	4000	StCu	7	-	7	3
Dungeness	998.7	+4	W	5	bc	44	85	8	4000	Cu	4	-	4	5
Jersey ·7h }	1006.0	0	WSW	5	c/r	47	85	7	2500	StCu	8	-	8	6
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 28th Feby.

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 27-28 °F.	Temperature. Max. Day. 28th °F.	Rainfall.† Night 17h.-9h. 27-28 mm.	Rainfall.† Day 9h.-17h. 28th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 28th hr.
Montrose	*	*	42	42	3	3		0.0
Llandudno	rocb	cbc	44	48	3	0.4		3.6
Colwyn Bay ...	pcbc	bc	44	51	5	-		4.7
Rhyl...	bcbc	bc	44	50	7	-		3.2
Southport	cocbc	bcc	43	50	4	-		3.5
Blackpool	oc	o	44	48	1	-		0.7
Ilkley	opc.pc	bpbcp	41	49	6	2		2.9
Harrogate	cp	pc	39	47	4	-		5.7
Skegness	c	c	42	51	2	-		6.3
Aberystwyth ...	cb	o	45	48	1	3		4.0
Bath	bbccp	pobcb	44	51	1	2		3.1
Leamington Spa ...	bc	cp	43	51	2	0.4		5.2
Lowestoft	oc	b	44	52	1	-		4.0
Felixstowe	c3	bcpc	44	51	-	1		3.6
Southend	b.bccq	opcq	43	50	-	0.3		4.8

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 27-28 °F.	Temperature. Max. Day. 28th °F.	Rainfall.† Night 17h.-9h. 27-28 mm.	Rainfall.† Day 9h.-17h. 28th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 28th hr.
Paignton	orbc	bpcorpq	44	53	3	4		4.1
Ilfracombe	or	ocop	44	50	1	5		1.6
Bude	opbc	bccpc	45	52	2	3		2.8
Penzance	bcq	bccpq	46	52	3	3		3.6
Torquay	p	p	45	54	5	2		3.9
Weymouth	rc	cmpc	45	52	5	3		2.4
Bournemouth ...	-	-	44	53	4	2		2.3
Portsmouth (S'thsea)	boro	b	46	52	5	2		3.4
Worthing	obc	bbc	46	50	-	6		2.8
Brighton	brr	rb	45	49	0.1	8		2.8
Eastbourne	ccr	cbcc	45	50	0.3	7		3.4
Hastings	COR	opRbc.	45	49	0.1	7		3.3
Folkestone	p	p	41	50	1	5		3.7
Tunbridge Wells ...	bcoro	cbc	43	50	0.3	2		3.2
Ramsgate	b.bco	orbor	44	50	-	1		4.4
Margate	p	cp	45	51	0.1	1		4.0
Deal	b.bcor	rcbcc	45	50	0.3	4		4.2

* Information for these stations not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 2. ‡ See footnote page 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22380 FRIDAY, 2nd MARCH 1923.

Observations at 1300 G.M.T. 1st.

Stations	Barom. at M.S.L. mb	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	996·5	+1	E	3	or₀	39	75	7	2500	StCu	10	–	10	*
Stornoway	994·0	+2	E	3	o	42	85	6	800	Nb	10	–	10	*
Wick	996·0	+2	ESE	3	or₀	38	97	8	2500	Nb	7	ASt	10	*
Castlebay	992·8	0	SE	1	c	45	65	8	2500	StCu	8	–	8	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	995·9	+2	NE	2	o/r	39	92	7	2500	CuNb	9	ASt	10	2
Malin Head	992·8	–0	W	1	b/r	49	75	8	4000	Cu	2	ACu	1	*
Renfrew	995·3	+1	NE	1	o	42	85	4	4000	StCu	10	–	10	2
Edinburgh (Inchkeith)	995·6	+4	ENE	1	o	40	92	8	–	StCu	10	–	10	*
Leuchars	995·3	+4	–	0	o	39	65	7	1500	St	10	–	10	1
Eskdalemuir	995·9	+2	–	0	od₀	38	92	6	800	Nb	10	–	10	1
Tynemouth	996·2	+3	N	1	c	42	85	6	4000	St	6	ASt	10	*
Blacksod Point	991·1	–4	SSE	4	o+	44	9	4	–	–	0	ASt	9	*
Donaghadee	996·7	+3	W	3	bc-	49	75	8	2500	St	3	ACu	6	*
Birr Castle	995·5	*	SE	1	o+	48	75	7	2500	St	10	–	10	*
Holyhead	998·4	+1	SW	4	o	48	85	8	4000	StCu	6	ACu	9	1
Liverpool (Bidston)	997·8	+2	WSW	5	bc	46	75	7	2500	StCu	6	–	6	*
Chester (Shotwick)	998·3	+2	W	4	c	49	65	9	1500	StCu	8	–	8	1
Spurn Head	997·2	+5	W'S	5	o	45	92	6	2500	StCu	9	–	9	*
Nottingham	996·5	+2	W	3	o	48	75	6	1500	StCu	9	–	9	*
Cranwell	998·8	+4	W'S	4	o	48	75	6	2500	StCu	9	–	9	1
Gorleston	999·4	+3	WNW	4	o+	48	75	6	2500	Nb	9	–	9	*
Valencia (Cahirciveen)	989·0	–6	SSE	6	orr	49	85	6	1500	St	9	ASt	10	2
Roches Point	995·0	–9	SE	4	oqr	48	97	7	1500	Nb	10	–	10	*
Pembroke (St. Ann's H.)	1001·0	+6	W	4	c	47	92	7	2500	St	8	–	8	*
Ross-on-Wye	1000·7	+2	SW'W	4	o⊕	51	65	8	4000	StCu	4	CiSt	9	2
Benson	1002·2	+3	W	5	bc	51	65	7	–	Cu	5	–	5	2
Andover	1003·8	+2	WSW	5	c/r	52	65	8	2500	Cu	4	CiSt	7	1
S. Farnborough	1002·9	+3	W'N	5	bc	53	55	8	2500	Cu	5	–	5	1
London (Kew Obsy.)	1002·6	+3	WNW	4	c-	50	65	8	4000	StCu	8	–	8	1
Croydon	1003·0	+3	WSW	4	c-	50	65	8	2500	StCu	7	–	7	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1002·0	+5	WNW	5	o/r	48	75	6	4000	StCu	9	–	9	2
Grain	1002·4	+4	WSW	5	o	49	65	8	5700	StCu	10	–	10	2
Lympne	1002·8	+3	W	5	c-	48	75	8	2500	StCu	8	–	8	2
Scilly (St. Mary's)	1001·1	–5	S	4	opr₀	50	92	6	4000	StCu	10	–	10	*
Falmouth (Pendennis)	1003·5	–2	SW	4	o+	50	92	8	4000	Cu	9	–	9	*
Plymouth (Cattewater)	1003·5	–2	SW	4	o	49	92	8	1500	St	10	–	10	2
Portland Bill	1003·6	+3	W	4	b-	50	65	7	–	–	0	CiCu	3	*
Southampton (Calshot)	1003·8	+1	SW	5	c+	51	65	8	4000	Cu	3	CiSt	7	2
Dungeness	1003·0	+4	WSW	5	c	50	75	8	4000	Cu	7	–	7	*
Jersey	1007·3	0	SSW	4	b	52	75	7	4000	StCu	2	–	2	*

Observations at 1800 G.M.T. 2nd.

Stations	Barom. at M.S.L. mb	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	998·6	0	E	2	or₀	37	97	7	2500	StCu	10	–	10	1
Stornoway	992·0	–2	ESE	3	o	41	92	6	800	Nb	10	–	10	2
Wick	995·8	–1	ESE	3	o/r	39	92	8	4000	Cu	10	–	10	4
Castlebay	983·3	–3	ESE	4	opr₀	45	85	7	1500	Nb	10	–	10	3
Nairn	993·4	*	E	2	o	39	85	7	1500	St	5	ASt	9	*
Aberdeen	995·6	–1	NE	2	o	37	92	7	2500	St	9	ASt	10	4
Malin Head	986·9	–6	ESE	4	o+	46	85	8	5700	StCu	8	ACu	10	2
Renfrew	991·9	–3	ENE	3	mo+	42	92	3	450	St	10	–	10	*
Edinburgh (Inchkeith)	993·8	–3	ESE	3	o	39	97	7	–	St	10	–	10	2
Leuchars	994·1	–2	E	2	o	39	92	7	1500	StCu	10	–	10	*
Eskdalemuir	993·9	–2	S	2	o/r	40	97	6	450	StCu	10	–	10	*
Tynemouth	995·9	–1	SE	1	o	41	92	6	7200	StCu	10	–	10	2
Blacksod Point	978·2	–19	SSE	8	oPR+	46	85	7	<150	Nb.	10	–	10	8
Donaghadee	992·0	–4	S	2	o	45	85	8	–	–	0	ASt	10	2
Birr Castle	898·2	*	SE	3	cr₀	46	92	7	1500	Nb	8	–	8	*
Holyhead	991·8	–8	SSE	4	o	45	92	8	4000	StCu	4	ASt	10	4
Liverpool (Bidston)	994·4	–5	SSE	3	o+	45	75	7	1500	St	10	–	10	4
Chester (Shotwick)	994·9	–5	ESE	3	o	45	75	7	5700	StCu	5	ASt	10	*
Spurn Head	997·4	0	S'W	2	o	43	92	6	4000	StCu	2	ASt	10	3
Nottingham	997·4	–4	S	2	o	46	75	5	1500	Nb	10	–	10	*
Cranwell	998·7	*	SSW	3	o	44	85	6	5700	Cu	3	ASt	10	*
Gorleston	1001·0	+1	SW	3	bc-	46	75	7	4000	StCu	6	–	6	1
Valencia (Cahirciveen)	984·9	+5	SW'W	6	c-	48	75	7	2500	StCu	8	–	8	6
Roches Point	986·3	–4	W	4	bc/r	49	85	4	800	Nb	4	–	4	6
Pembroke (St. Ann's H.)	989·7	–13	SSE	6	orr	47	97	7	1500	Nb	10	–	10	6
Ross-on-Wye	996·4	–6	S	3	o	47	75	8	2500	Nb	1	ASt	10	*
Benson	999·1	–4	S	3	o+	47	85	7	–	–	0	ASt	10	*
Andover	999·9	–3	S'E	4	ofr₀	46	92	7	2500	Nb	4	ASt	10	*
S. Farnborough	1000·1	–3	SSW	3	o+	47	85	7	1500	StCu	10	–	10	*
London (Kew Obsy.)	1000·6	–3	SSW	2	c	48	75	6	–	–	0	ASt	8	*
Croydon	1001·7	–2	S'W	3	o	46	85	6	–	–	0	CiSt	10	*
Clacton-on-Sea	1001·8	0	SSW	3	bc-	45	85	6	–	–	0	ASt	5	0
Shoeburyness	1001·7	0	WSW	2	bc	45	85	7	–	–	0	ASt	6	*
Grain	1002·2	–1	SSW	4	o	46	85	7	–	–	0	ASt	10	0
Lympne	1002·7	0	WSW	3	o	43	97	7	2500	StCu	1	ASt	10	*
Scilly (St. Mary's)	992·8	–3	SW'W	6	o/r	51	92	6	4000	StCu	10	–	10	7
Falmouth (Pendennis)	993·0	–12	SW	8	orr	50	97	6	2500	Nb	10	–	10	4
Plymouth (Cattewater)	995·1	–14	S	4	oRR	49	97	6	–	Nb	10	–	10	3
Portland Bill	998·2	–7	SSW	6	ofr₀	48	85	6	450	St	10	–	10	6
Southampton (Calshot)	1000·8	–5	S	5	or₀	48	92	7	1500	Nb	4	ASt	10	3
Dungeness	1001·8	–1	WSW	4	c	47	85	8	1500	St	4	Ci	7	4
Jersey	1001·7	–2	S	4	ofr₀	49	97	6	1500	Nb	10	–	10	6

Stet

London Observations.	Weather. Morning	Weather. Afternoon	Weather. Night	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset. hrs. (Yesterday)	Humidity. 15h. G.M.T. % (Yesterday)	Humidity. 9h. G.M.T. % (To-day)
	24 Hours ended 0900 G.M.T. 2nd.										
Kew (24 hours ended 0700)	cop.c	ocm	omro/rg	*	*	34	tr.	3	2·0	*	*
Croydon (24 hours ended 0700)	oc.	cof@m	omrrf	*	*	34	–	7	4·3	*	*
Greenwich (Royal Obsy.)	o	o	orcb	52	42	35	–	4	1·1	56	43
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·5	*	*
Westminster (St. James' Pk.)	*	*	*	53	44	37		3	1·5	55	47
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	0·6	*	*
Camden Square	o	b	*	53	41	38	–	4	*	*	43
Kensington Palace	bcc	c	*	53	41	35	–	3	*	64 (18h)	45
Hampstead Observatory	*	*	*	50	40	33	1	3	1·4	*	44

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 1st.

South Kensington

Max	Time	Min.	Time
0·6	17h–21h (28)	0·3	1h–5h (1st)
0·6	8h–10h (28)		

Kew Observatory

Max.	Time.	Min.	Time.
0·4	20h (28)	<0·3	midnight
0·3	8h (1st)		–6h (1st)

Pole Star Record at Greenwich Obsy.

Exposure from 1st 18 h. 33 m. to 2nd 05 h. 45 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	11.15	04.18	38
δ Ursae Minoris	11.15	04.12	34

Code for State of Ground.
0 – Dry ground.
1 – Wet ground.
2 – Soft (muddy) wet ground.
3 – Bare ground frozen (but less than 2 ins. deep.
4 – Bare ground frozen (but more than 2ins. deep.
5 – Dew (or wet grass but not wet ground).
6 – Skating today in 1300 & 1800 reports (Hoar frost in 0100 and 0700 reports).
7 – Snow (thin layer, often not continuous).
8 – Snow (deep, impeding traffic, usually a continuous layer).
9 – Glazed roads (ice on roads from frozen rain or palled snow).

Radio Disturbances (Atmospherics) at Croydon.

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	–	–	–	–
18h.	–	–	–	–
01h.	–	–	–	–
07h.	–	–	–	–

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 2nd & 3rd. MARCH, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.40 / 6.38	12.5 / 12.5	5.30 / 5.32
Greenwich	6.46 / 6.44	12.12 / 12.12	5.38 / 5.40
Wick	7.5 / 7.3	12.24 / 12.24	5.43 / 5.45
Valencia	7.26 / 7.24	12.53 / 12.53	6.20 / 6.22

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, „ 200—1000 m.
F thick fog „ less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r₀r₀ = continuous light rain.

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

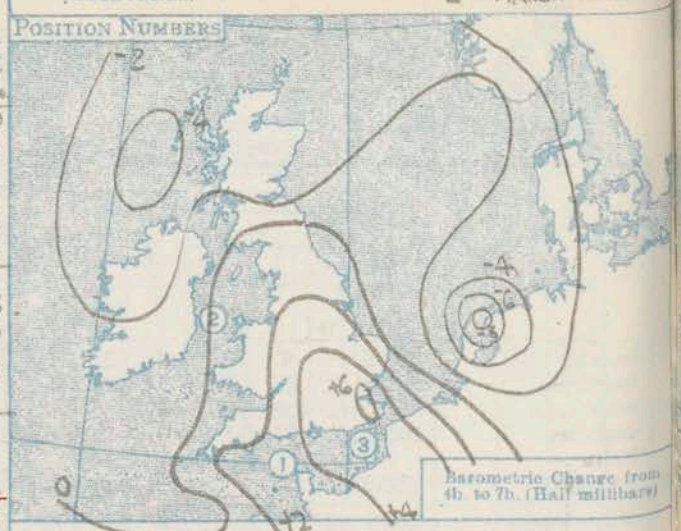
Sea Disturbance.
0 = no swell, 1 = mod. swell, 2 = heavy swell — Calm or slight sea.
3 = no swell, 4 = mod. swell, 5 = heavy swell — Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1–3
2	4–7
3	8–12
4	13–18
5	19–24
6	25–31
7	32–38
8	39–46
9	47–54
10	55–63
11	64–75
12	Above 75

' For explanation see introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 1.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-13h. 1st	13h.-18h. 1st	18h. 1st to 1h. 2nd	1h.-7h. 2nd	Temperature. Max. Day. 7h.-18h.	Min. Night. 18h.-7h.	Min. on Grass	Rainfall. Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	Sun. 1st. Hours.
Lerwick	or	or	op	or	40	35	•	0.4	0.3	12.30	<21.00	0.0
Stornoway	oo	oo	c	o	42	38	•	–	–	–	–	0.0
Wick	oir.	oo	op.c	c	39	-	•	0.3	0.4	11.00	<21.00	•
Castlebay	oco	ocop	om	omop	46	41	•	Trace	2	1730	–	1.8
Nairn	o	c m	oqm	om	40	35	•	–	–	–	–	0.0
Aberdeen	dopro	oo	oco	oorm	40	34	32	1	1	<0800	06.30	0.0
Malin Head	orbc	bc co	orbc	bcoir	49	39	•	0.6	5	<0800	<21.00	4.1
Renfrew	ormmo	omffo	om	ofkrm	46	35	31	0.2	7	<0800	24.00	0.6
Edinburgh (Inchkeith)	oo	oo	ooid.	rr	41	38	36	–	3	–	04.30	0.3
Leuchars	oo	oo	orr	orro	40	39	35	–	7	–	–	0.0
Eskdalemuir	ood	d. orno	oco	orobc	40	35	34	1	4	1230	01.30	0.0
Tynemouth	oom	o m	om	oirm	43	40	39	–	5	–	24.00	•
Blacksod Point	o	p	o	Yord	50	36	•	2	15	–	–	•
Donaghadee	bc	c	omrq	bc	50	39	•	–	7	–	<21.00	•
Birr Castle	co	o R R	~~[illegible]~~		48	~~[illegible]~~	~~35~~	3	~~7~~	1530	~~<21.00~~	~~6.8~~
Holyhead	oco	oco	oir.b	bcc	48	39	38	–	6	–	<21.00	1.5
Liverpool (Bidston)	op.bc	co	orc		49	37	34	–	4	–	<21.00	3.4
Chester (Shotwick)	oprocc	coo	orrqm	occq	52	42	36	Trace	3	<0800	<21.00	3.5
Spurn Head	c	c	oo	orcbc	46	40	•	0.2	4	<0800	22.00	0.2
Nottingham	cp.	oo	or	c	49	41	36	Trace	4	0900	<21.00	0.5
Cranwell	op.co	oo	orr.	bcb	48	39	35	–	4	–	22.00	2.0
Gorleston	bbpcq	c	ocorrq	orbcq	49	42	•	0.5	4	0900	22.00	2.3
Valencia (Cahirciveen)		orc	oq	obbcc	51	40	39	9	1	11.00	05.30	0.1
Roches Point	YrRRbc/Rcpbcb		& cpbc:b		51	42		11	1	12.30	0330	
Pembroke (St. Ann's H.)	oqc	cbrr	ocbcq	cyp	49	44	•	5	4	1430	<21.00	4.0
Ross-on-Wye	ocbcc	oc y o	rrcbcq	bcbbc	51	43	38	–	4	–	<21.00	4.1
Benson	bc	b bc	ro	bcb	52	41	36	–	5	–	<21.00	•
Andover	oprc	coor.o	orro	cbcb	53	40	35	0.2	8	<0800	<21.00	4.1
S. Farnborough	cocbcy	bco	cbcb		54	40	35	–	7	–	<21.00	5.1
London (Kew Obsy.)	cop.c	ocm	omrorq	obb	52	43	37	Trace	3	0900	<21.00	2.0
Croydon	oc	coy	omqrrR	omrrRb	51	43	37	–	7	–	<21.00	4.3
Clacton-on-Sea	bcmcbcm		oqrc	cbcb	49	42	37		5	–	22.00	1.5
Shoeburyness	bccorqr	omcmbc	bccorrc	bcbm	51	41	38	0.1	2	0500	22.00	1.7
Grain	copcy	oc oo	ooro	ocbcb	51	42	36	Trace	2	<0800	<21.00	2.0
Lympne	bccoc	c ovv	rorrmm	orrmmbcb	50	40	37	Trace	6	–	<21.00	3.9
Scilly (St. Mary's)	cop.q	omq	bcq	b:bc	52	46	•	9	0.2	<0800	<21.00	1.1
Falmouth (Pendennis)	bcto	omrq	cqbcb	bbcq	50	44	•	6	4	<0800	<21.00	4.1
Plymouth (Cattewater)	bbcc	omdrr	ofbc	bcb	51	46	40	4	4	1430	<21.00	4.5
Portland Bill	cqbc	bc cor	oqrbc	bcb	51	44	•	2	7	1530	<21.00	•
Southampton (Calshot)	bc	c	orrcbb	b	51	43	41	Trace	~~7~~ 6	1730	<21.00	6.1
Dungeness	b.bc	c	qrr	b:bc	51	44	•	–	5	–	2200	•
Jersey	o c b	bR	orr	orrb	53	46		1	10	1630	<21.00	5.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Allowance
2	1st. 10h.	Cambria	W	5	cp	46	47	7
1	1st. 14h.	Ibex	W	6	bbc+	50	49	6
3	2nd. 3h.	Arundel	W	6	o+	48	48	7

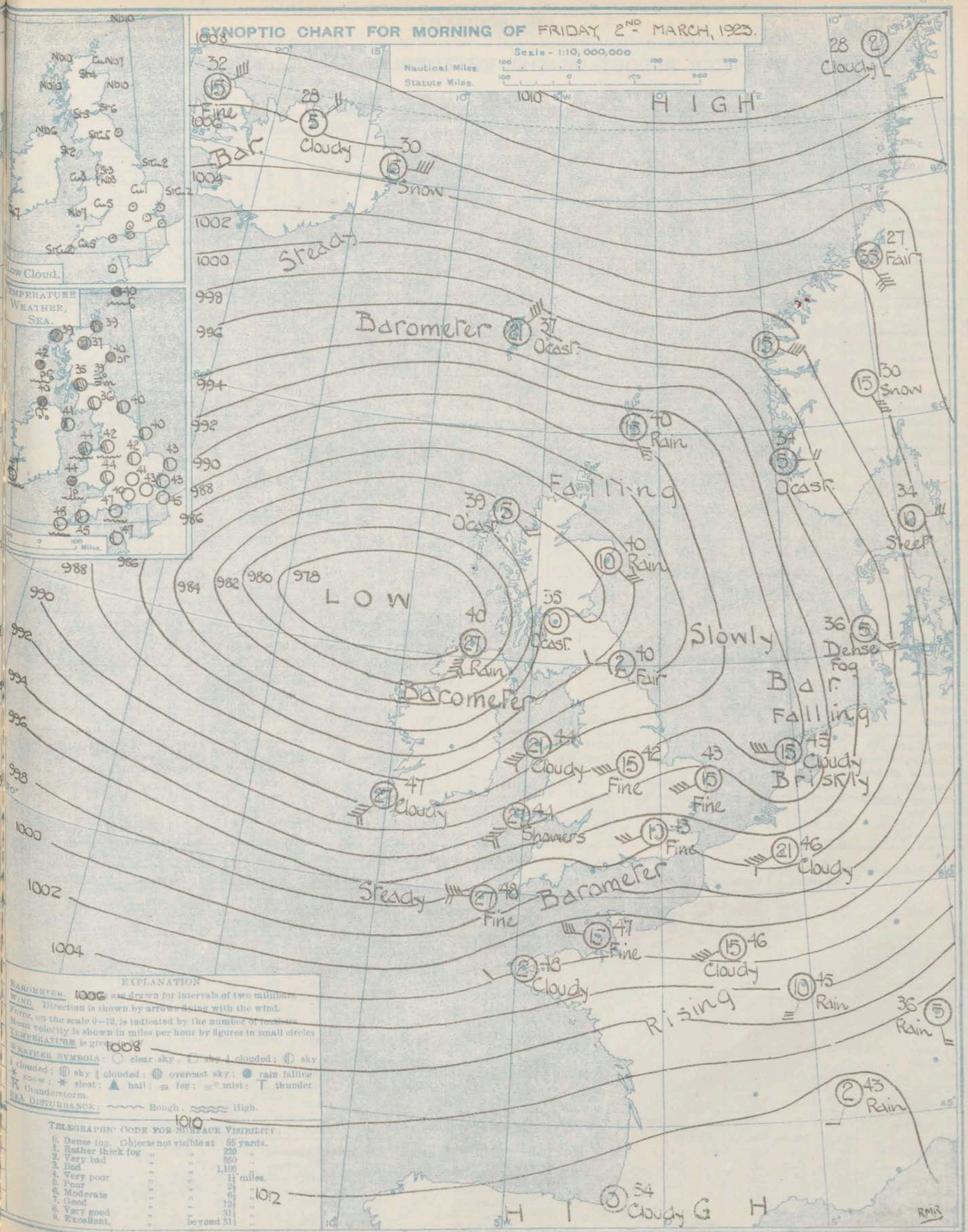
GENERAL INFERENCE.

The depression is now centred a little north of Ireland and is moving slowly east or northeast. Secondaries in the westerly current which will continue over most of the British Isles, will cause changeable weather with bright periods and occasional rain or showers. In the North of Scotland dull conditions with rain are expected. Weather will continue generally unsettled beyond 24 hours.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 2nd March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Southwesterly or westerly winds, moderate or fresh, strong in places; bright periods, occasional rain or showers; visibility good; moderate temperature or rather mild.	Continuing unsettled generally --- South Cone still flying. ----
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind southwesterly, light or moderature, fresh in places; changeable, occasional rain or showers; visibility moderate or good; moderate temperature.	South Cone hoisted at 1700 yesterday ----
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind mainly southeasterly, moderate; dull, some rain; visibility moderate; moderate temperature.	South Cone hoisted at 0320 today. ------
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 1 to 10.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930 G. C. SIMPSON, F.R.S., Director.

* For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF FRIDAY, 2ND MARCH, 1923.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
Bar. Fine
Cloudy
Snow
Steady
Barometer
Falling
Slowly
Bar. Falling
Briskly
Steady
Barometer
Rising
LOW
Rain
Fair
Dense fog
Showers
Steep
HIGH
EXPLANATION
BAROMETER. 1006 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 °F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1½ miles.
5. Poor " " 2½ "
6. Moderate " " 6 "
7. Good " " 12 "
8. Very good " " 31 "
9. Excellent. " beyond 31 "
RMB

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION ... FRIDAY, 2nd MARCH ... 1923. No. 61

Observations at 0100 G.M.T. 2nd

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	997.5	-2	ESE	4	obr.	37	85	7	4000	StCu	10	-	10	•
Stornoway	983.5	-5	E	4	o	•	•	5	•	•	•	•	•	•
Wick	990.5	-3	ESE	3	c	38	97	8	2500	CuNb	7	-	7	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	980.1	-1	SSW	5	bc-	42	92	8	7200	CuNb	3	CuCu	5	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	986.8	-6	ESE	3	o	40	97	7	-	St	2	ASt	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	988.9	-7	SSE	3	o/r+	42	97	6	4000	Nb	10	-	10	•
Blacksod Point ...	979.9	+1	SW	8	opr.	44	75	6	<150	Nb	10	—	10	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	988.3	+5	SW	5	b-	45	92	8	2500	Cu	1	-	1	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	984.8	-4	SE	6	oPR	42	92	6	2500	Nb	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Cranwell	988.5	-10	S'E	3	or.	43	97	5	1500	Nb	10	-	10	•
Gorleston	993.2	-5	S'E	6	orr	43	97	6	2500	Nb	10	-	10	•
Valencia (Cahirciveen)	990.3	+3	SW	6	o+	46	97	7	-	St	9	-	9	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	992.6	+4	WSW	7	bc	47	85	8	4000	Cu	4	-	4	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	48	•	•	•	•	•	•	•	•
Croydon	992.6	-4	SW'W	4	orr	49	92	6	800	Nb	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	993.1	-10	SW'W	6	orr	47	97	5	450	Nb	10	-	10	•
Scilly (St. Mary's) ...	997.7	+5	W'N	6	bc	48	85	7	4000	StCu	5	-	5	•
Falmouth (Pendennis)	997.7	+8	W	5	b-	47	85	8	5700	Cu	2	-	2	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	995.0	+8	W'N	7	bc-	45	92	6	-	-	0	ACu	4	•
Southampton (Calshot)	994.7	+1	WSW	4	b	48	92	8	4000	Cu	1	-	1	•
Dungeness	992.5	-8	WSW	7	c+	48	97	7	1500	Nb	10	-	10	•
Jersey 7h }	988.9	+4	W	6	bc-	48	85	6	5700	StCu	5	-	5	•
Guernsey 1h }														

Observations at 0700 G.M.T. 2nd

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	991.6	-3	SSE	4	or.	40	97	6	2500	Nb	10	-	10	6
Stornoway	983.4	-3	SE	2	o	39	92	6	1500	Nb	10	-	10	1
Wick	987.5	-3	ESE	3	o+	39	97	8	4000	CuNb	7	CiSt	10	4
Castlebay	979.3	-4	E	5	opr.	42	92	6	800	Nb	10	-	10	6
Nairn	983.8	•	SE	3	o	37	85	7	1500	St	4	ASt	9	•
Aberdeen	985.7	-4	SE	3	or-	40	97	5	1500	Nb	10	-	10	4
Malin Head	976.8	-3	SSW	6	or.	40	97	7	5700	Nb	6	ASt	10	4
Renfrew	984.5	0	-	0	o/r	35	97	4	2500	St	5	ASt	10	•
Edinburgh (Inchkeith)	983.7	-1	W	3	mo	39	92	6	-	St	6	ACu	10	2
Leuchars	983.0	-3	SE	2	o/r	39	97	7	1500	St	10	-	10	•
Eskdalemuir	985.7	+1	SW	4	bc	36	85	6	2500	StCu	5	-	5	•
Tynemouth	987.5	+1	W	1	bc/r	40	85	6	-	-	0	ACu	4	1
Blacksod Point ...	979.9	+1	W	7	opr.	44	97	6	4150	Nb	10	-	10	9
Donaghadee	984.9	0	SW	3	bc+	41	75	8	1500	St	2	ASt	6	3
Birr Castle	984.4	•	SSW	2	bc/r	40	97	7	1500	Cu	6	-	6	•
Holyhead	989.1	0	SW'S	5	c+	44	92	8	1500	Cu	3	CiCu	8	6
Liverpool (Bidston) ...	990.2	+2	SW	5	bc/r	42	75	8	1500	Nb	6	-	6	6
Chester (Shotwick) ...	990.8	+2	SW	5	c	44	65	8	2500	St	8	-	8	•
Spurn Head	990.1	+2	SW	5	b	40	92	7	4000	StCu	2	-	2	4
Nottingham	991.9	+4	WSW	4	b+	42	85	6	2500	Cu	1	-	1	*
Cranwell	992.1	+4	WSW	4	b	39	85	6	-	-	0	-	0	•
Gorleston	993.2	-1	W'S	4	b-	43	85	7	4000	StCu	2	-	2	2
Valencia (Cahirciveen)	988.4	-1	SW'W	6	c-	47	75	7	2500	Cu	7	-	7	7
Roches Point	990.0	-1	W	4	bc	44	92	8	4000	CuNb	4	-	4	6
Pembroke (St. Ann's H.)	993.9	0	SW	6	cip	44	92	8	2500	Nb	7	-	7	6
Ross-on-Wye	995.1	+3	SW	3	bc+	44	73	7	4000	Cu	5	Ci	6	•
Benson...	992.2	+4	W	4	b-	41	85	8	-	-	0	-	0	•
Andover	993.4	+4	SW'S	4	b	40	92	8	-	-	0	Ci	1	•
S. Farnborough ...	993.3	+4	WSW	4	b	40	92	8	-	-	0	-	0	•
London (Kew Obsy.) ...	993.1	+5	WSW	3	b	43	85	8	-	-	0	-	0	•
Croydon	993.2	+5	SW'W	4	b/r	43	75	7	-	-	0	-	0	•
Clacton-on-Sea ...	993.6	+4	W	4	b	43	85	7	-	-	0	ASt	2	0
Shoeburyness	993.1	+7	WSW	3	mmb	43	85	6	-	-	0	-	0	•
Grain	993.0	+6	WSW	5	b	43	75	8	-	-	0	-	0	3
Lympne	993.2	+6	W	4	b/r	41	85	8	-	-	0	CiSt	1	•
Scilly (St. Mary's) ...	993.1	+2	W	6	b	48	75	7	4000	StCu	2	-	2	7
Falmouth (Pendennis)	993.2	0	W	5	bc+	45	75	8	4000	Cu	5	-	5	1
Plymouth (Cattewater)	993.2	+2	W	4	b	47	85	7	2500	StCu	1	CiSt	3	1
Portland Bill	993.9	+4	W	7	b-	47	92	7	-	-	0	-	0	6
Southampton (Calshot)	993.8	+3	SW'W	4	b	44	85	7	-	-	0	Ci	1	0
Dungeness	993.0	+5	WSW	5	b	45	85	8	-	-	0	-	0	5
Jersey 7h }	1002.8	0	W	4	b/r	47	75	7	-	-	0	Ci	1	3
Guernsey 1h }														

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night 28th-1st °F.	Temperature. Max. Day. 1st °F.	Rainfall.† Night 17h.-9h. 28th-1st mm.	Rainfall.† Day 9h.-17h. 1st mm.	Sunshine.	Sunshine. Sunrise to Sunset. 1st hr.
Montrose	*	*	37	40	1	-		0·0
Llandudno	ocbc	co	43	49	2	-		2·9
Colwyn Bay ...	cbc	bcc	43	52	2	-		3·4
Rhyl...	cbc	bcc	42	51	2	-		3·3
Southport	ococ	cbcco	43	49	1	-		1·6
Blackpool	oc	po	43	49	3	0·3		2·0
Ilkley	opcbc	bcpcc	40	47	2	3		2·4
Harrogate	bc	bc	39	47	1	-		4·3
Skegness	cbor	oc	43	50	-	-		2·0
Aberystwyth ...	ocb	o	43	49	1	-		2·5
Bath	ocbcb	bbcco	43	53	1	-		4·2
Leamington Spa ...	c	co	41	51	1	-		4·7
Lowestoft	ocbcc	coco	40	49	8	-		2·4
Felixstowe	o	bcoc	41	50	1	-		1·5
Southend	oc	cbcc	41	51	2	-		1·3
Paignton	bqbc	ororq	43	54	2	2		5·6
Ilfracombe	b	bcor	44	52	-	3		4·5
Buda	bcbcc	coorr	45	53	-	2		4·0
Penzance	bbc	or	44	53	3	9		3·8
Torquay	b	r	44	55	1	1		5·6
Weymouth	obc	bcor	43	55	1	0·2		6·2
Bournemouth ...	bb	bbr	42	53	trace	-		6·2
Portsmouth (S'thsea)	b	bo	44	53	1	-		6·3
Worthing	bcb	bco	43	52	-	-		7·0
Brighton	bl	ve	43	50	-	-		5·6
Eastbourne	bc	bcc	43	51	-	-		7·9
Hastings	cbcc	bcbbc	42	51	0·2	-		4·6
Folkestone	bc	bc	41	51	-	-		5·4
Tunbridge Wells ...	obcb	bbc	41	53	0·2	-		5·5
Ramsgate	bcbbc	bbc	40	52	1	-		4·2
Margate	cbc	cbcc	41	52	1	-		3·9
Deal	bbc	bbc	41	52	-	-		4·2

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22381 Saturday, 3rd March 1923.

Observations at 1300 G.M.T. 2nd

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather	Temp. °F.	Humidity. %	Visibility.§ 0-8	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.	Sun. 6-9
Lerwick	992·3	+1	SSE	4	0	40	92	6	5700	StCu	9	-	9	*	
Stornoway	981·8	-2	ESE	4	o/r	43	92	6	1500	Nb	10	-	10	*	
Wick	985·1	-2	ESE	4	ororo	42	92	7	2500	Nb	10	-	10	*	
Castlebay	977·1	-1	NE	5	oprp	42	92	7	800	Nb	10	-	10	*	
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Aberdeen	984·0	-2	SW	2	c-	43	85	6	1500	Cu	6	ACu	7	2	
Malin Head	972·9	-5	S	7	ororo	41	97	7	5700	Nb	6	ASt	10	*	
Renfrew	982·7	-2	SSW	4	oro	45	85	6	800	StCu	10	-	10	2	
Edinburgh (Inchkeith)	983·6	-3	WSW	4	bc-	47	75	8	-	Cu	3	CiSt	4	*	
Leuchars	983·2	-1	SSW	3	0	45	75	7	4000	CuNb	9	-	9	1	
Eskdalemuir	984·6	-1	SW	5	o/h	42	85	6	1500	Cu	9	-	9	1	
Tynemouth	987·6	0	SW	2	c/r	45	75	6	4000	CuNb	8	-	8	*	
Blacksod Point														*	
Donaghadee	983·3	-2	SW	4	0+	48	65	8	1500	St	10	-	10	*	
Birr Castle	986·5	*	SW	3	cPH	40	85	7	2500	Nb	8	-	8	*	
Holyhead	988·1	-2	SW'S	5	bc	50	85	8	2500	Cu	3	ACu	4	1	
Liverpool (Bidston)	988·8	-1	SW	5	bc	47	75	7	2500	CuNb	2	CiSt	4	*	
Chester (Shotwick)	989·8	-1	SW	5	c/r	49	65	8	1500	St	7	Ci	8	2	
Spurn Head	990·6	+0	SW'W	6	o	47	75	7	4000	CuNb	4	ASt	10	*	
Nottingham	991·2	-4	SW	5	b	48	75	7	1500	Cu	3	-	3	*	
Cranwell	992·1	-1	SW'S	5	c	49	75	7	4000	StCu	7	-	7	1	
Gorleston	995·4	+2	WSW	4	c+	49	65	6	2500	Nb	4	CiSt	8	*	
Valencia (Cahirciveen)	989·9	-1	SW'W	6	bc-	49	65	8	2500	StCu	2	ACu	4	2	
Roches Point	989·6	0	W	5	bc/s	50	75	8	4000	CuNb	5	-	5	*	
Pembroke (St. Ann's H.)	992·4	-2	SW	6	b-	47	85	8	-	-	0	CiSt	3	*	
Ross-on-Wye	993·6	-2	SW	5	bc	48	75	8	4000	Cu	5	-	5	1	
Benson	994·7	-4	WSW	5	0+	50	65	8	-	Cu	10	-	10	2	
Andover	996·1	-1	SW'S	6	bc	51	65	8	1500	StCu	5	ACu	6	1	
S. Farnborough	996·7	-2	W'S	4	c	53	55	8	2500	Cu	7	-	7	1	
London (Kew Obsy.)	996·3	-2	SW'W	4	bc	51	55	8	2500	Cu	4	-	4	1	
Croydon	997·1	-1	SW'S	4	bc	52	55	8	4000	Cu	5	-	5	2	
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Shoeburyness	996·8	+0	SW	6	bc+	53	65	8	4000	Cu	4	-	4	*	
Grain	997·5	-1	SW'S?	6	b+	53	55	8	4000	Cu	2	-	2	2	
Lympne	998·0	-1	W'S	6	bc	49	65	8	2500	Cu	6	-	6	2	
Scilly (St. Mary's)	996·8	-2	SW'W	4	c	51	75	7	4000	StCu	8	-	8	*	
Falmouth (Pendennis)	996·0	-3	W	6	c+	50	75	8	4000	Cu	7	-	7	*	
Plymouth (Cattewater)	996·8	-4	W	3	or+	45	92	6	800	CuNb	10	-	10	2	
Portland Bill	997·2	-3	SW	6	b+	50	85	7	-	-	0	CiSt	3	*	
Southampton (Calshot)	997·4	-4	SW'S	5	c+	50	75	8	2500	Cu	1	CiSt	8	0	
Dungeness	998·7	+1	WSW	5	b	50	75	8	4000	Cu	2	-	2	*	
Jersey	1000·4	-1	S	4	0	50	75	7	4000	StCu	10	-	10	*	

Observations at 1800 G.M.T. 2nd

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 6-9
Lerwick	992·3	0	SE	4	oror	39	92	6	4000	Nb	10	-	10	3
Stornoway	980·2	-1	SE	6	o	42	92	6	1500	Nb	10	-	10	4
Wick	983·9	-1	ESE	4	o	41	97	7	2500	Nb	6	ASt	10	4
Castlebay	975·7	-1	ENE	5	oprp	43	85	6	800	Nb	10	-	10	6
Nairn	981·1	*	E	1	bc-	40	75	7	1500	Cu	5	-	5	*
Aberdeen	983·9	0	SE	2	b-	41	97	6	2500	StCu	2	-	2	1
Malin Head	978·7	-4	SW	7	o/r	45	97	7	-	Nb	8	ASt	10	7
Renfrew	980·8	-2	SE	4	ororo	41	92	6	800	Nb	10	-	10	*
Edinburgh (Inchkeith)	981·5	-1	SSW	2	o/r	43	85	8	-	St	2	ASt	10	2
Leuchars	982·8	-1	SE	2	o	41	92	7	4000	StCu	10	-	10	*
Eskdalemuir	983·3	-2	SW	4	or	40	85	6	800	Nb	10	-	10	*
Tynemouth	986·2	0	SW	1	c-	46	75	6	4000	CuNb	4	CiCu	7	0
Blacksod Point														
Donaghadee	980·9	-1	SW	3	bc/r	44	75	8	1500	Cu	6	-	6	3
Birr Castle	984·6	*	W	3	bc/h	44	85	8	4000	CuNb	6	-	6	*
Holyhead	986·7	-1	SSW	4	bc	45	92	8	2500	Cu	4	ASt	5	5
Liverpool (Bidston)	987·5	-1	SSW	4	c/r	45	75	7	1500	Cu	8	-	8	5
Chester (Shotwick)	988·3	+1	S	4	o	46	75	8	800	Nb	7	ASt	10	*
Spurn Head	989·1	-1	SSW	4	bc/p	44	85	7	4000	CuNb	5	-	5	4
Nottingham	989·6	-4	SW	3	b	46	85	7	2500	Nb	1	-	1	*
Cranwell	990·6	-1	SW	4	b-	45	75	8	4000	Cu	1	ACu	2	*
Gorleston	994·8	-1	SW	3	C+	45	75	6	-	-	0	CiSt	8	
Valencia (Cahirciveen)	988·8	0	WSW	5	bc-	47	75	8	2500	StCu	4	ACu	6	6
Roches Point	989·2	0	W	2	b	45	75	8	2500	CuNb	3	-	3	3
Pembroke (St. Ann's H.)	990·4	-3	SW	6	cPR	46	85	7	2500	Nb	7	-	7	5
Ross-on-Wye	991·5	-2	SW	4	b	45	75	7	2500	Nb	2	-	2	*
Benson	993·3	-2	SSW	2	bc	43	92	8	-	St	4	-	4	*
Andover	993·8	-3	SSW	4	c/r	43	92	8	2500	StCu	4	CiSt	4	*
S. Farnborough	993·9	-2	SW	4	c+	43	85	8	2500	St	6	ACu	8	*
London (Kew Obsy.)	994·1	-2	SW	3	o	47	85	7	4000	StCu	5	ACu	9	*
Croydon	994·9	-2	SW	4	orr	45	85	6	800	Nb	10	-	10	*
Clacton-on-Sea	994·3	-2	SSW	4	bc	46	85	7	-	-	0	ACu	4	1
Shoeburyness	994·6	-3	SW	4	bc+	45	85	7	5700	Cu	4	ACu	6	*
Grain	994·8	-2	SSW	4	o+	46	75	8	7200	StCu	8	CiSt	10	0
Lympne	995·6	-2	SW	5	o	43	92	6	2500	St	2	CiSt	10	*
Scilly (St. Mary's)	994·1	-2	WSW	4	cpro	45	92	7	4000	CuNb	8	-	8	6
Falmouth (Pendennis)	993·8	-2	WSW	5	cpro	48	85	7	4000	CuNb	8	-	8	4
Plymouth (Cattewater)	994·0	-2	W	2	oR	44	92	6	800	Nb	10	-	10	1
Portland Bill	994·4	-3	WNW	6	orr	47	85	6	450	St	10	-	10	7
Southampton (Calshot)	994·6	-3	SW	4	cpR	44	92	8	2500	CuNb	5	ACu	8	3
Dungeness	995·8	-3	SW	3	o	47	85	8	-	-	0	ASt	10	4
Jersey	995·8	-4	SSW	3	o	48	85	7	4000	StCu	10	-	10	3

London Observations

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. min. Day.	Rainfall. min. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 3rd								Yesterday.		To-day.
Kew	bbcy	bcyoz	ozbfmfx	*	*	25	-	-	6·8	*	*
Croydon (24 hours ended 0700)	bbc	bcfmr	fmbrrc	*	*	33	1	2	4·5	*	*
Greenwich (Royal Obsy.)	bbc	bbeo	orwxbyn	55	36	31	-	1	6·9	59	94
City (Bunhill Row)	*	*	*	*	*	*	*	*	4·3	*	*
Westminster (St. James' Pk.)	*	*	*	55	35	29	-	-	6·6	80	96
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*		*	*
Camden Square	b	c	*	54	36	31	-	-	*		94
Kensington Palace	bbc	bc	*	54	34	24	-	-	*	85 (18h)	96
Hampstead Observatory	*	*	*	52	34	24	Tr	-	4·2	*	94

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 2nd

	Max.	Time.	Min.	Time.
South Kensington	0·6	1600-1900 (2nd) 0800 (2nd)	<0·3	0100-0400 (2nd)
Kew Observatory	0·3	14-18 (2nd)	<0·3	0800 (2nd)
	0·4	0800 (2nd)		

Pole Star Record at Greenwich Obsy.

Exposure from 2nd 18 h. 30 m. to 3rd 5 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	11 45	9 40	86
δ Ursae Minoris	11 45	8 58	80

Code for state of ground.

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2ins deep.
4 = Bare ground frozen (but more than 2ins deep.
5 = Daw (or wet grass but not wet ground).
6 = Skating today in 1300 & 1800 reports. (Clear frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep; impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads free from snow or added sand).

Radio Disturbances (Atmospherics) at Croydon.

Time.	Type.	No. per 4 sec.	Strength.	Direc.
13h.	/	-	-	-
18h.	-	-	-	-
21h.	-	-	-	-
07h.	-	-	-	-

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

3rd & 4th March. 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·38 / 6·36	12·5 / 12·5	5·32 / 5·34
Greenwich	6·44 / 6·42	12·12 / 12·12	5·40 / 5·42
Wick	7·5 / 7·3	12·24 / 12·24	5·43 / 5·45
Valencia	7·26 / 7·24	12·58 / 12·56	6·20 / 6·22

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail":

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
roro = continuous light rain.

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Sea Disturbance.

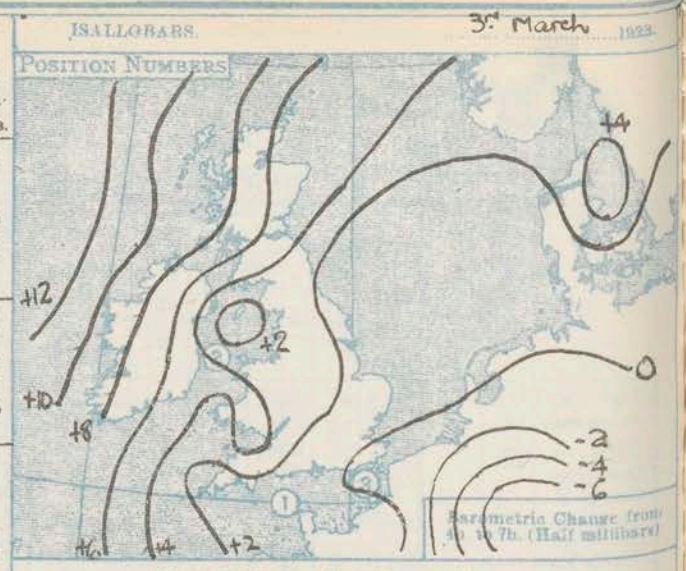
0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 2nd	18h.-18h. 2nd	18h. 2nd to 1h. 3rd	1h.-7h. 3rd	TEMPERATURES. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 2nd. Hours.
Lerwick	om	omr	ogr	og	42	38	•	0·3	1	1100	<21·00	0·0
Stornoway	p	oo	c	oo	44	40	•	0·2	0·2	–	•	0·8
Wick	orro	oirq	oir	oir	42	39	•	1	1	<0800	22·00	•
Castlebay	op	op	opo	oc	43	42	•	1	–	<0800	•	0·0
Nairn	cm	bc	bc.c	cq	45	35	•	0·2	–	0900	•	1·4
Aberdeen	irmoc	ekc cb	becm	oirm	40	34	32	2	1	<0800	5·30	1·6
Malin Head	oiro	oir	omir	oir.bc	45	43		2	4	<0800	<21·00	0·2
Renfrew	ocqiro	ocomr	orr	orrrm	46	40	38	1	3	<0800	<21·00	2·5
Edinburgh (Inchkeith)	c	p	rr	oo	44	40	36	0·3	1	1730	02·30	4·9
Leuchars	ocpro	bcophpr	or	orr	48	40	36	0·2	2	1230	22·00	3·9
Eskdalemuir	opho	oir	orrd	orm	42	34	36	2	8	11·00	<21·00	0·6
Tynemouth	cpomm	omo	bcm	bcm	44	39	34	Trace	–	12·30	•	•
Blacksod Point							•					•
Donaghadee	c	cp	cb	ocp	49	41	•	0·2	3	15·30	24·00	•
Birr Castle	cph	cphr	copr	co	48	38	34	7	1	<0600	<21·00	6·0
Holyhead	cbc	bc	b.bc	bcc	50	41	39	–	•	–	–	4·9
Liverpool (Bidston)	b-bc	p	bbc		49	38	33	0·4	0·3	1230	<21·00	6·3
Chester (Shotwick)	cprq	cphqbc	cbbbco	oom	51	36 37	28	0·4	–	<0800	–	5·1
Spurn Head	c	cqjpt	cpr.b	bbc	44	35	2	–	0·1	–	22·00	5·0
Nottingham	poc	p	b	bbc	49	33	25	1	–	<0800	–	3·4
Cranwell	cp	bctlb	cbc	bbc	49	34	30	0·2	–	0900	–	4·0
Gorleston	bccq	c	c.bc ⊕	becwx	51	36	30	–	–	–	•	4·3
Valencia (Cahirciveen)	ophbc	bcphc	bcv					1		0900		
Roches Point	bchpbc	bcpb	bw	bw	50	39		2	0·1	1230	—	
Pembroke (St. Ann's H.)	bcq	coqpl	b.bc	bbc	48	39	•	2	0·4	1630	22·00	6·2
Ross-on-Wye	oqpcqbc	pbcb	bbc	bbcbx	49	36	27	1	Trace	11·00	•	5·3
Benson	bcco	pbc	bc	bcbx	52	31	25	0·4	Trace	–	•	•
Andover	bc	bcoP	co	bcbfx	52	30	24	0·5	–	15·30	–	4·2
S. Farnborough	bbcc	cprc	cb	bbcfx	53	30	25	0·3	–	1630	–	6·9
London (Kew Obsy.)	bbcy	bcyo3	ozbmrr	bmrbfx	52	33	25		–	–	•	6·8
Croydon	b-bcy	bcqymr	omr⊕c	om ⊕	52	36	33	1	2	1730	<21·00	4·5
Clacton-on-Sea	c	bc	bcco	bcco	52	39	30	–	–	–	•	8·2
Shoeburyness	mmbc	bc	bc	bcbfx	53	33	24	–	–	–	•	8·5
Grain	b-bc	bbcco	ocbb	bbcom	53	38	29	–	–	–	•	8·6
Lympne	bbc	bc.c.om	om	om	51	40	34	–	Trace	–	<2100	8·4
Scilly (St. Mary's)	cq	bcqp	cq	cqp	52	41	•	1	1	1330	<2100	6·1
Falmouth (Pendennis)	bcqc	cpq om	bcbp	bcpd	52	48	•	0·2	2	1630	<2100	6·9
Plymouth (Cattewater)	bophr	~~cbc~~	orrc	cop	51	40	34	12	2	1100	<2100	2·4
Portland Bill	bbc	coqr	c.orbc	bcc	51	43	•	1	4	1630	<2100	•
Southampton (Calshot)	c	pr	oo	cf	50	34	32	1	1	1730	<2100	4·8
Dungeness	b-bc	c	cpr	cp	50	44	•	–	1	–	2200	•
Jersey	bco	oco	o	orr	53	42	•	–	4	–	03·30	0·0



Observations from Cross Channel Steamers.

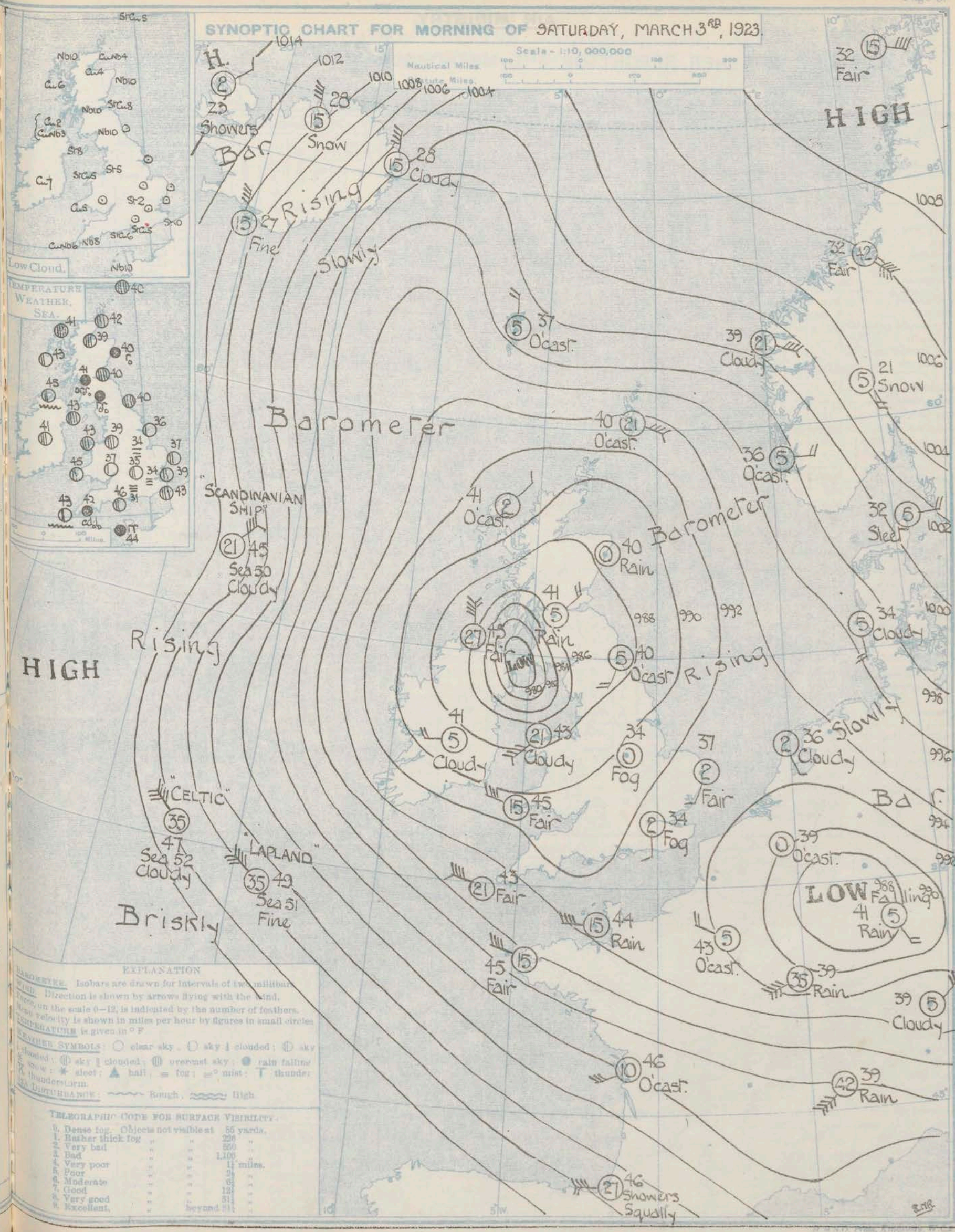
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
3	2nd 0300	ARUNDEL	W	6	co+	48	48	8
2	" 1000	CAMBRIA	SW	5	by	46	47	9
3	3rd 0300	DIEPPE	WNW	2	⊕	46	43	

GENERAL INFERENCE.

The low pressure system over the British Isles will probably drift eastwards continuing to fill up, while a ridge of high pressure spreads in from the Atlantic. Winds will become more Northerly for a time with considerable fair periods and low night temperature. Further rain is likely at first in East Scotland and N.E.England and there is a risk of local showers in other districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 3rd March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind becoming Northwesterly, moderate; mainly fair, local showers; visibility moderate or good; moderate day temperature, cold at night.	With-held.
↓ 5. S.W. England ↓ 6. South Wales ↓ 7. North Wales ↓ 8. N.W. England 9. N. Midlands	Wind Northwesterly or Northerly, moderate or fresh, strong in places; mainly fair, local showers; visibilty mainly good; moderate day temperature, frost locally at night.	--------- ↓ South Cone still flying.
10. N.E. England 11. E. Scotland	Wind indefinite to Northerly, light or moderate, fresh in places; rain early, improving; visibility moderate; moderate day temperature, frost locally at night.	
12. S.W. Scotland ↓ 13. Isle of Man	As 5 - 9.	-------
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind Northeasterly or Northerly, moderate or fresh; variable cloud, occasional showers; visibility good; rather cold.	
↓ 17. N.W. Ireland ↓ 18. N.E. Ireland ↓ 19. S.E. Ireland ↓ 20. S.W. Ireland	As 5 - 9.	

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF SATURDAY, MARCH 3RD, 1923.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
HIGH
Low Cloud.
TEMPERATURE
WEATHER.
SEA.
Barometer
Rising
Slowly
Briskly
Falling
LOW
"SCANDINAVIAN SHIP"
"CELTIC"
"LAPLAND"
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. Wind velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough, High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles.
5. Poor " " 2½ "
6. Moderate " " 6 "
7. Good " " 12 "
8. Very good " " 31 "
9. Excellent. " beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION. Saturday, 3rd March 1923. No. 62

Observations at 0100 G.M.T. 3rd

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	991.4	0	ESE	5	0	40	85	4	5400	St Cu	8	A St	10	*
Stornoway	986.4	+3	E	4	co	*	*	5	*	*	*	*	*	*
Wick	984.4	+1	ENE	5	or	41	94	4	1500	St	8	A St	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	991.1	+5	NW	4	or	45	94	4	5400	Nb	10	-	10	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	982.5	+1	SSW	2	or	41	85	4	*	St Cu	10	-	10	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	986.4	0	SSW	3	bc+	40	85	4	-	-	0	A Cu	4	*
Blacksod Point														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	985.9	0	SW'S	5	b+	45	85	8	-	-	0	A St	3	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	989.3	0	S	3	b	39	92	4	-	-	0	Ci	2	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	989.1	0	SSW	2	bc	38	92	4	4000	St Cu	1	Ci St	5	*
Gorleston	993.2	-1	SSW	1	bc⊕	40	92	6	-	-	0	Ci St	5	*
Valencia (Cahirciveen)	989.4	0	W	3	bc	43	94	4	*	St Cu	5	-	5	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	989.9	0	WSW	4	bc	45	85	8	4000	Cu	5	-	5	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	41	*	*	*	*	*	*	*	*
Croydon	992.4	-2	S	3	o/r	49	92	6	-	-	0	Ci St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	992.4	-2	SW	2	o⊕	41	92	6	4000	St Cu	1	Ci St	10	*
Scilly (St. Mary's)	993.4	+1	WSW	4	c	46	83	4	4000	St Cu	4	-	4	*
Falmouth (Pendennis)	991.4	-2	W	4	bc+	43	83	8	4000	Cu	4	-	4	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	991.6	-2	W	5	b/r	46	85	4	-	-	0	Ci Cu	3	*
Southampton (Calshot)	992.0	-1	SW	3	o⊕	43	92	8	-	-	0	A St	10	*
Dungeness	992.9	-2	WSW	1	o+	43	94	4	1500	Cu	10	-	10	*
Jersey 7h / Guernsey 1h	994.1	-2	WSW	3	or	44	92	8	5400	Nb	10	-	10	*

Observations at 0700 G.M.T. 3rd

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	993.9	+6	ESE	3	o/r	40	92	4	3400	St Cu	5	A St	10	4
Stornoway	991.1	+3	NE	1	0	41	92	6	1500	Nb	10	-	10	0
Wick	988.6	+5	NNE	1	c-	42	94	4	4000	Cu Nb	4	Ci St	9	4
Castlebay	990.9	+9	NNW	4	bc	43	85	8	2500	Cu	6	-	6	4
Nairn	988.4	*	E	1	c+	39	92	8	4000	Cu	4	A Cu	4	*
Aberdeen	988.1	+5	-	0	or	40	94	5	1500	Nb	10	-	10	1
Malin Head	986.4	+13	NNW	6	bc-	45	94	8	4000	Cu Nb	5	-	5	6
Renfrew	986.1	+5	NE	2	or	41	92	4	1500	Nb	10	-	10	*
Edinburgh (Inchkeith)	986.3	+3	ESE	2	0	48	94	8	*	St Cu	8	A Cu	10	1
Leuchars	986.6	+5	E	1	o/r	40	94	4	1500	St Cu	10	-	10	*
Eskdalemuir	986.1	+4	SE'S	3	or	38	94	6	800	Nb	10	-	10	*
Tynemouth	984.8	+2	SSW	2	0	40	85	6	-	-	0	A St	10	1
Blacksod Point	948.3	-1	NW	5	o/r	45	92	4	1500	St	8	A St	10	3
Donaghadee	989.9	*	W	2	c/r	41	92	6	2500	Cu	4	-	4	*
Birr Castle	984.5	+3	SW'S	5	c-	43	92	8	4000	St Cu	3	Ci Cu	4	4
Holyhead	988.6	+2	SSE	3	c+	39	85	4	2500	St	5	A Cu	4	4
Liverpool (Bidston)	988.9	+1	SSE	4	o-	39	85	4	2500	St Cu	4	A St	9	*
Chester (Shotwick)	~~984.4~~													
Spurn Head	991.2	+2	SW	2	b	36	94	4	-	-	0	Ci St	1	3
Nottingham	991.0	+4	-	0	Fb	34	94	1	-	-	0	-	0	*
Cranwell	991.3	*	SW'W	3	b	34	85	4	-	-	0	A Cu	1	*
Gorleston	993.4	0	SSW	1	bc-	34	94	6	-	-	0	A Cu	4	0
Valencia (Cahirciveen)	996.2	+7	NNW	04	opho	47	85	7	[illegible]	St Cu	10	-	10	4
Roches Point	993.4	+2	NW	4	b	42	92	8	-	-	-	-	-	3
Pembroke (St. Ann's H.)	991.2	+2	WNW	4	bc	45	85	8	4000	Cu	5	-	5	5
Ross-on-Wye	991.4	+2	SSW	1	b-	34	94	6	-	-	0	Ci	2	*
Benson	991.8	+1	SW	2	bc+	33	94	8	*	St	2	Ci	4	*
Andover	993.0	+1	-	0	Ffb	30	94	1	-	-	0	Ci	1	*
S. Farnborough	992.8	+1	-	0	ffbc	34	94	3	-	-	0	Ci St	6	*
London (Kew Obsy.)	992.6	+1	S	1	Ffb	34	94	1	-	-	0	Ci St	3	*
Croydon	993.1	+1	S	2	o	36	94	6	-	-	0	Ci St	9	
Clacton-on-Sea	992.3	+1	SSW	1	bc	39	92	6	-	-	0	A Cu	6	0
Shoeburyness	992.5	0	-	0	Fbo	34	85	1	-	-	0	Ci	6	*
Grain	992.8	0	-	0	o+	38	94	5	-	-	0	Ci St	9	0
Lympne	992.4	+1	NW	1	o	40	92	8	4000	St Cu	2	A St	10	*
Scilly (St. Mary's)	994.1	+1	W'N	5	bc	43	92	8	4000	Cu Nb	6	-	6	6
Falmouth (Pendennis)	994.0	+3	WNW	2	cd,d	42	83	8	2500	Nb	8	-	8	0
Plymouth (Cattewater)	993.4	+4	W	2	c+	41	92	4	800	Cu Nb	8	-	8	0
Portland Bill	991.6	0	W	4	bc+	46	92	4	2500	St Cu	6	-	6	5
Southampton (Calshot)	992.4	+1	NW	2	fc+	34	94	2	4000	St Cu	5	Ci St	4	0
Dungeness	992.1	-1	NW	1	o-	43	94	8	1500	St	10	-	10	3
Jersey 7h / Guernsey 1h	993.2	0	W	4	orr	44	92	6	1500	Nb	10	-	10	4

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 2nd March 1923

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 1st °F.	Temperature. Max. Day. 2nd °F.	Rainfall.† Night 17h.-9h. 1st-2nd mm.	Rainfall.† Day 9h.-17h. 2nd mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 2nd hr.
Montrose	*	*	39	46	2	-		3.8
Llandudno	bcc	b	37	49	4	-		7.6
Colwyn Bay	cbc	bc	41	51	5	-		8.2
Rhyl	bc	bc	38	50	3	-		8.5
Southport	cbcb	bbcc	41	51	5	-		7.0
Blackpool	cbc	opgc	42	50	6	1		5.7
Ilkley	ocRc	bcbbc	32	51	9	0.4		5.5
Harrogate	opc	cbc	35	48	6	-		5.2
Skegness	bcb	cb	40	50	4	-		6.9
Aberystwyth	rcb	b	44	48	3	-		5.5
Bath	cbcb	pcbcb	43	51	4	1		4.6
Leamington Spa	c	cp	41	49	4	1		4.6
Lowestoft	bbcco	ococ	42	51	4	-		5.0
Felixstowe	b	bbc	42	52	4	-		7.0
Southend	b	bbcc	41	52	2	-		8.4
Paignton	bacor	hpop	44	52	10	7		4.9
Ilfracombe	corc	bcbb	45	50	5	2		5.6
Bude	bcpb	bbcbc	46	51	3	0.2		5.3
Penzance	bc	bccbc	45	54	2	-		6.7
Torquay	b	bccr	44	53	10	6		5.4
Weymouth	bbc	bcor	45	54	10	1		6.3
Bournemouth	bb	bbc	42	53	10	1		7.3
Portsmouth (S'thsea)	b	bo	45	53	8	-		8.6
Worthing	b	bbc	44	53	6	-		8.0
Brighton	b	b	45	50	6	-		7.8
Eastbourne	b	bbc	45	52	9	-		8.2
Hastings	b	bbcc	43	52	11	-		8.2
Folkestone	b	b	42	51	5	-		8.0
Tunbridge Wells	b	bbc	41	53	5	-		7.9
Ramsgate	b	bbc	41	52	2	-		8.2
Margate	b	bbc	43	53	2	-		7.8
Deal	bb	bbc	43	53	6	-		8.4

* In consequence of these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 1. § See footnote page 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22382 Sunday, 4th March 1923.

Observations at 1800 G.M.T. 3rd

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1000.5	+5	ESE	4	o+	41	85	7	4000	StCu	10	-	10	•
Stornoway	996.8	+6	NNE	3	obr₀	43	92	6	1500	Nb	10	-	10	•
Wick	994.4	+6	NE	2	or	42	97	7	2500	CuNb	10	-	10	•
Castlebay	999.5	+7	NW	4	bc	46	85	8	4000	StCu	6	-	6	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	995.1	+8	-	0	orr	41	97	6	1500	Nb	10	-	10	2
Malin Head	998.5	+10	NNW	6	bc	46	92	8	4000	Cu	3	CiCu	4	•
Renfrew	995.0	+7	N	1	o/r	45	75	7	2500	StCu	10	-	10	2
Edinburgh (Inchkeith)	994.4	+7	E	1	o/r	43	92	7	-	St	3	ASt	10	•
Leuchars	993.7	+6	N	2	o	44	92	7	4000	StCu	10	-	10	1
Eskdalemuir	994.1	+6	-	0	o/r	42	85	6	1500	StCu	10	-	10	2
Tynemouth	993.7	+3	W	2	c	45	85	6	4000	CuNb	8	-	8	•
Blacksod Point														•
Donaghadee	996.2	+4	NNE	3	c-	46	85	8	2500	Cu	4	ACu	8	•
Birr Castle	998.1	•	NW	3	c/p	47	65	8	4000	CuNb	8	-	8	•
Holyhead	991.6	+4	NW/N	8	o/r	45	97	7	1500	Nb	10	-	10	2
Liverpool (Bidston)	991.3	+2	SSW	3	or₀+	43	92	6	1500	Nb	10	-	10	•
Chester (Shotwick)	992.0	+2	SSW	5	or₀r₀	45	75	8	800	St	6	ASt	10	2
Spurn Head	994.8	+3	S	1	b	52	65	7	4000	Cu	1	-	1	•
Nottingham	994.0	+3	SW	3	b	50	65	6	4000	Cu	1	Ci	2	•
Cranwell	994.9	+4	SSW	3	b-	51	55	7	-	-	0	-	0	0
Gorleston	996.5	+2	-	0	bc	47	85	6	4000	CuNb	2	Ci	4	•
Valencia (Cahirciveen)	1005.5	+8	NNW	6	c-	51	75	7	2500	StCu	7	-	7	2
Roches Point	999.9	+9	NNW	7	c+	50	75	8	2500	CuNb	7	-	7	•
Pembroke (St. Ann's H.)	997.3	+4	WNW	4	bc	47	85	8	4000	Cu	6	-	6	•
Ross-on-Wye	995.1	+3	WSW	3	o+	49	65	8	4000	StCu	9	-	9	1
Benson	995.9	+4	WNW	3	b	51	65	8	-	Cu	2	-	2	2
Andover	995.9	+3	W'S	4	bc	50	65	8	4000	Cu	6	-	6	1
S. Farnborough	995.9	+3	W	3	c	51	65	8	2500	Cu	7	-	7	1
London (Kew Obsy.)	996.0	+2	W	2	b/f	48	65	6	4000	Cu	2	-	2	1
Croydon	995.9	+3	NW	2	bc	49	65	7	4000	Cu	4	-	4	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	997.7	+4	NW	1	b	50	65	8	5700	Cu	3	-	3	•
Grain	995.9	+4	-	0	bc-	50	65	7	4000	Cu	4	Ci	5	2
Lympne	995.1	+3	N	1	or₀	48	75	7	2500	CuNb	9	-	9	2
Scilly (St. Mary's)	1000.2	+6	NW	5	b	50	75	8	4000	Cu	2	-	2	•
Falmouth (Pendennis)	999.9	+4	NW	4	cPR	49	75	8	4000	CuNb	8	-	8	•
Plymouth (Cattewater)	998.2	+4	WNW	3	cpr₀	48	75	8	2500	StCu	8	-	8	2
Portland Bill	996.4	+6	W	2	b-	50	85	7	-	-	0	CiCu	3	•
Southampton (Calshot)	996.6	+3	NW	2	bc	49	75	8	4000	Cu	4	-	4	0
Dungeness	995.8	+4	NW	1	b-	49	85	8	-	-	0	ACu	3	•
Jersey	997.9	+2	W	4	b/r	48	85	7	4000	StCu	3	-	3	•

Observations at 1800 G.M.T. 3rd

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1004.0	+6	ENE	3	orr	37	92	6	2500	Nb	10	-	10	2
Stornoway	1003.4	+6	N	3	or₀r₀	42	97	6	450	St	10	-	10	2
Wick	1000.2	+7	NE	2	mrc	43	97	5	450	St	5	Ci	7	1
Castlebay	1006.2	+9	NW	6	bc/r	45	65	8	2500	CuNb	5	-	5	5
Nairn	999.6	•	-	0	c/r	42	85	8	1500	St	8	-	8	•
Aberdeen	998.8	+7	WNW	1	orr	39	97	6	1500	Nb	10	-	10	1
Malin Head	1005.4	+9	N	6	cPR	44	97	8	5700	Nb	8	-	8	6
Renfrew	1000.1	+6	W	2	o/r	42	92	7	4000	StCu	6	ASt	10	•
Edinburgh (Inchkeith)	999.5	+7	S	1	or₀	41	92	8	-	Nb	5	ASt	10	1
Leuchars	998.8	+6	-	0	or₀r₀	41	97	7	4000	StCu	10	-	10	•
Eskdalemuir	1000.0	+6	N	1	o-	40	85	6	1500	StCu	6	ASt	10	•
Tynemouth	998.1	+6	S	1	o	43	92	6	4000	StCu	7	ASt	10	1
Blacksod Point														
Donaghadee	1003.3	+7	N	4	bc-	45	75	8	1500	St	3	CiCu	4	3
Birr Castle	1009.1	•	NW	3	c/r	45	85	7	1500	Cu	8	-	8	•
Holyhead	1001.5	+10	NW	6	c	46	92	8	2500	StCu	8	-	8	6
Liverpool (Bidston)	998.9	+13	NNW	4	o/r	43	92	6	2500	Nb	10	-	10	4
Chester (Shotwick)	998.4	+16	NWN	4	od₀	44	87	5	1500	St	10	-	10	•
Spurn Head	998.9	+4	ESE	3	c+	42	92	7	4000	Cu	7	-	7	3
Nottingham	997.6	+6	WNW	2	o+	46	85	6	1500	StCu	10	-	10	•
Cranwell	997.9	+4	ESE	1	mc	44	75	6	4000	StCu	3	Ci	7	•
Gorleston	999.0	+2	-	0	b	42	92	6	4000	CuNb	1	Ci	3	0
Valencia (Cahirciveen)	1012.8	+8	NNW	6	bc	48	75	7	2500	StCu	5	A.Cu	6	4
Roches Point	1007.9	+9	NNW	5	b	48	85	8	4000	CuNb	3	-	3	3
Pembroke (St. Ann's H.)	1002.5	+5	NW	5	c	47	85	8	4000	StCu	8	-	8	4
Ross-on-Wye	997.3	+2	W'S	3	o	45	75	7	2500	St	9	-	9	•
Benson	998.4	+3	WSW	2	c+	45	85	8	-	Cu	8	-	8	•
Andover	998.8	+4	WSW	4	or₀	44	97	7	2500	St	10	-	10	•
S. Farnborough	998.8	+3	W	2	o	45	75	8	-	-	0	Ci	10	•
London (Kew Obsy.)	998.7	+4	W	1	mb	48	65	4	2500	Cu	1	CiSt	3	•
Croydon	998.7	+4	-	0	b-	44	75	5	4000	Cu	1	ASt	3	•
Clacton-on-Sea	998.0	+3	SE	1	bc	45	85	6	4000	Cu	4	-	4	0
Shoeburyness	998.7	+4	-	0	bc	39	85	7	4000	Cu	6	-	6	•
Grain	998.9	+6	-	0	c	44	85	5	4000	StCu	7	-	7	0
Lympne	998.6	+4	-	0	c	43	92	6	4000	StCu	8	-	8	•
Scilly (St. Mary's)	1005.3	+5	NW	6	b+	49	85	8	4000	Cu	3	-	3	6
Falmouth (Pendennis)	1004.0	+6	NNW	4	bc/r	49	75	8	4000	StCu	6	-	6	0
Plymouth (Cattewater)	1002.1	+4	NW	4	o	48	75	8	4000	StCu	9	-	9	1
Portland Bill	999.0	+5	WNW	4	bc+	49	85	7	1500	StCu	6	-	6	5
Southampton (Calshot)	999.2	+4	W'N	4	bc	46	75	8	4000	Cu	3	ACu	6	0
Dungeness	997.8	+2	W	1	bc	47	85	8	<150	St	4	-	4	2
Jersey	1000.8	+2	WNW	3	b	49	75	7	4000	StCu	2	-	2	4

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 0h. G.M.T. %
	24 Hours ended 0900 G.M.T. 4th								Yesterday.		To-day.
Kew	o/w/b/w	bz	bmwzom	•	•	24	-	-	6.6	•	•
Croydon (24 hours ended 0700)	obcmb	bczz	bcmx	•	•	25	-	-	8.0	•	•
Greenwich (Royal Obsy.)	bmbcz	bcbz	bzp	53	35	28	-	-	2.4	63	95
City (Bunhill Row)	o d	o d	•	•	•	•	•	•	3.5	•	•
Westminster (St. James' Pk.)	•	•	•						6.0		
Regent's Pk. (Botanic Gdns.)	•	•	•	•	•	•	•	•	4.6	•	•
Camden Square	b	b	•	55	36	29	-	-	•	•	97
Kensington Palace	bbc	bc	•	53	35	28	-	-	•	64 (18h)	84
Hampstead Observatory	•	•	•						7.4	•	

ATMOSPHERIC POLLUTION. Milligrammes of Solid Impurity per cubic metre.

24 Hrs. ended 1800 G.M.T. 3rd

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 3rd ... h. ... m. to 4th ... h. ... m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris			
δ Ursae Minoris			

State of Ground:
0 = Dry ground.
1 = Wet ground.
2 = Soft, inundated ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1800 & 0700 reports (hoar frost in 0700 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, covering traffic usually a continuous layer).
9 = [illegible]

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Sizes.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

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

4th & 5th March, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.36 / 6.34	12.5 / 12.5	5.34 / 5.36
Greenwich	6.42 / 6.40	12.12 / 12.12	5.42 / 5.44
Wick	7.3 / 7.0	12.24 / 12.24	5.45 / 5.46
Valencia	7.24 / 7.22	12.33 / 12.33	6.22 / 6.24

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; j = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
r₀r₀ = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

SEA DISTURBANCE.
0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

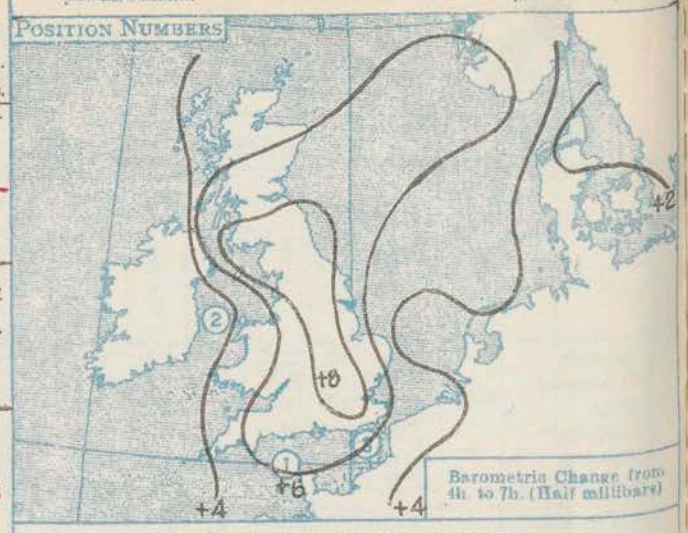
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 4.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 3rd	WEATHER. 13h.-18h. 3rd	WEATHER. 18h. 3rd to 1h. 4th	WEATHER. 1h.-7h. 4th	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	RAINFALL.† Night. 18h.-7h. mm.	RAINFALL.† Precipitation began.	RAINFALL.† Precipitation began.	SUN. 3rd Hours.
Lerwick	cp	omr	om	c	42	36	-	1	2	16.30	<21.00	1.4
Stornoway	b	r:d	c	rr	44	34	-	2	5	-	<2100	0.9
Wick	ophr	opcm	ompr	b.bc	44	36	-	2	0.3	<0800	2400	3.2
Castlebay	cbc	chpbc	bc	cbc	44	40	-	1	-	-		
Nairn	cgbc	bcpc	cg	cpr	45	38	-	1	1	15.30	0230	1.4
Aberdeen	orr	orr	oro	ob	42	38	34	18	1	<0800	<2100	0.0
Malin Head	bc	bcco	fm	bc	46	40		0.4	0.5	17.30	<2100	6.5
Renfrew	or,m	oop.	o	oo	44	35	28	0.4	-	<08.00	-	0.4
Edinburgh (Inchkeith)	oir.	ir.b	p	ir.cbc	43	39	35	1	1	13.30	0530	0.0
Leuchars	o	r:a	br.oe	bc.b	46	36	24	1	0.5	14.30	<2100	0.8
Eskdalemuir	odmo	oro	ocbco	oc	42	34	30	6	-	<0800	-	0.0
Tynemouth	om	om	mrr	oirm	46	39	28	-	-	-	<2100	-
Blacksod Point				c	51	36	-		0.1			-
Donaghadee	cq	bcp	bcq	bcq	44	43	-	0.6	Trace	<08.00	<2100	-
Birr Castle	cqbq	copr.	cobcr		50	33	24	0.1	—	17.30	—	4.3
Holyhead	or Rq	oirc	ocirq	ircog	46	42	41	2	1	0900	2400	0.1
Liverpool (Bidston)	bcop	b	ocb		46	39	35	4	0.4	13.30	2100	1.3
Chester (Shotwick)	cpr.	oddu	oprgo	ooc	58	41	34	2	0.4	1200	<2100	0.2
Spurn Head	b:bc	bbc	o.bc	bxfk	52	39	-	-	0.2	-	<2100	8.9
Nottingham	bbcm	c	oc	oo	50	41	34	-	-	-	-	5.5
Cranwell	bbc	bbc	bm	dccmo	52	33	24	-	Trace	-	-	4.9
Gorleston	bc3	bc3	bumx	bmfxe	48	33	31	-	-	-	-	4.8
Valencia (Cahirciveen)	bphc	bccph	b	c	51	34	31	2	-	<0800	-	6.3
Roches Point	bbcc	cbcb	b	b	51	39	—	-	—	—	-	—
Pembroke (St. Ann's H.)	c	c	c	cqog	48	42	-	-	-	-	-	2.9
Ross-on-Wye	bbco	ocopoo	ogcide	ocd	51	40	34	0.1	Trace	16.30	<2100	5.8
Benson	xb	bc	cd	ore	53	33	28	-		-	2200	-
Andover	bfmc	cbcor	oro	ocp	52	40	36	Trace	1	17.30	<2100	4.2
S. Farnborough	fpbco	co		oomm	56	36	29	-	-	-	-	4.6
London (Kew Obsy.)	cfwbfwbg	b3	bmwbmwbmxmx		52	34	24	-	-	-	-	6.6
Croydon	obcmb	bc33	bmwx	bemx	53	34	25	-	-	-	-	8.0
Clacton-on-Sea	ocbgcm	cbcm	bcm	bcm	50	35	31	-	-	-	-	8.5
Shoeburyness	bcfxb	bbc	bfFx	bc	53	33	28	-	Trace	-	-	4.4
Grain	ocmbc	c	cbcm	obcbm	52	34	29	-	Trace	-	-	6.4
Lympne	ocpr.o	ocr.	cbcb	bmmr	50	34	29	Trace	Trace	0900	-	2.9
Scilly (St. Mary's)	bcpq	bcq	bcq	bcq	51	43	-	1	-	<08.00	-	8.2
Falmouth (Pendennis)	cb.ccp	cbbcq	bcfcq	ofbr	50	42	-	0.1	0.3	<0800	<21.00	8.2
Plymouth (Cattewater)	orcp	cpbco	b	ob	50	41	38	1	0.2	<08.00	<2100	5.4
Portland Bill	cbc	bccbc	cogp	oprp	51	43	-	-	-	-	2200	-
Southampton (Calshot)	bmbc	bcc	ocr.	o.cbcb	52	42	39	-	0.1	-	2200	6.8
Dungeness	c	c	c	opcbc	50	36	-	-	-	-	-	-
Jersey	orrcb	b	bopo	o	51	43	-	5	0.1	<0800	<2100	4.0

ISALLOBARS. Sunday, 4th March, 1923.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Authority.
2	3rd 1800	CAMBRIA	W	6	c	46	44	8
1	" 1300	IBEX	NNW	4	bcr	44	49	9
3	4th 0300	ARUNDEL	N	2	b	46	44	9
2	" 1000	CAMBRIA	NNW	6	br	44	44	9

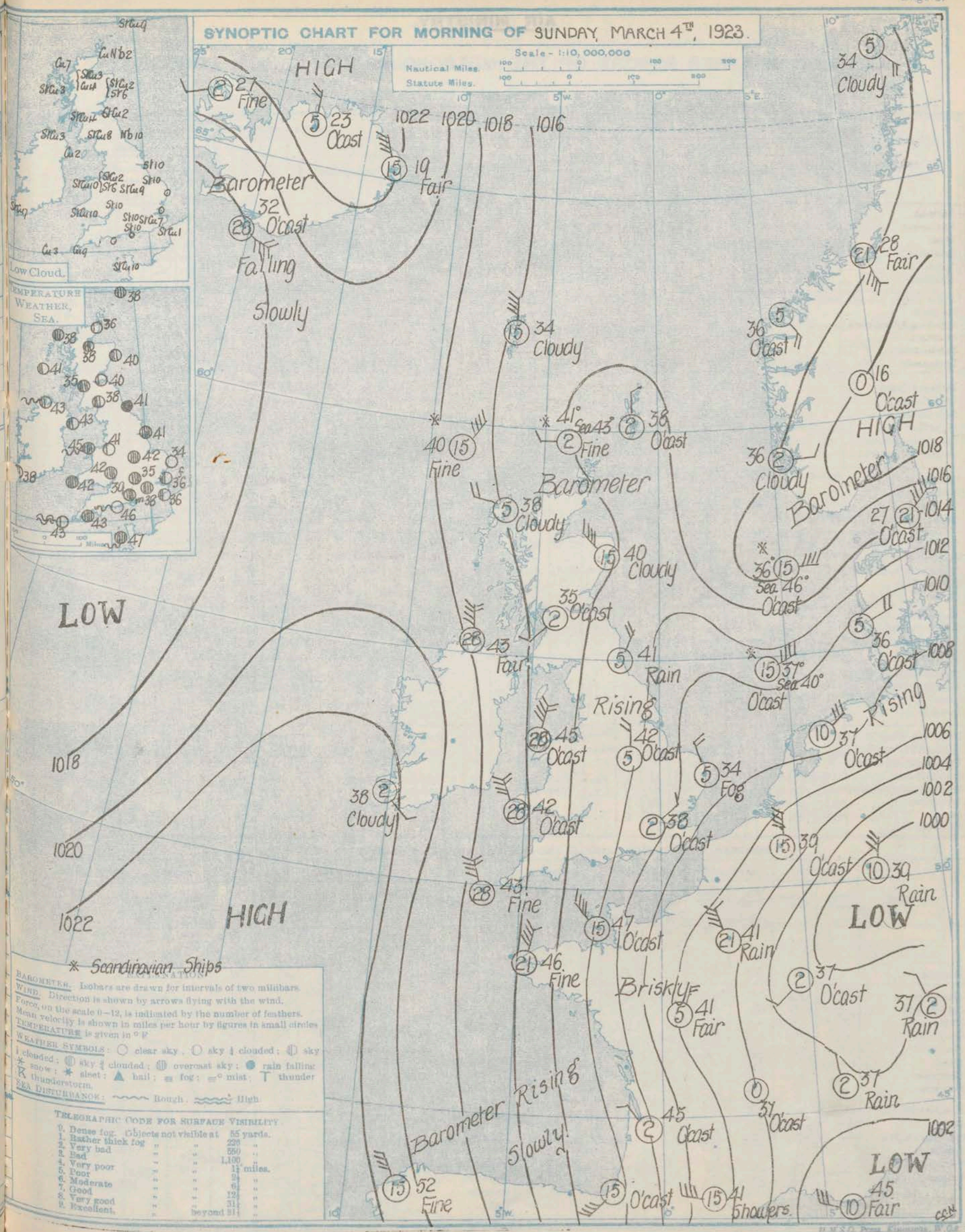
GENERAL INFERENCE.

The ridge of high pressure advancing from the Atlantic will cause North or Northwest wind and mainly fair rather cold weather for a time. A new depression now over the Atlantic will, however, result in a reversion to mild unsettled weather in the West before long.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 4th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Moderate Northerly winds; mainly fair; visibility moderate; rather cold, frost locally at night.	Withheld.
♥5. S.W. England ♥6. South Wales ♥7. North Wales	Strong Northerly wind, decreasing later; mainly fair; visibility good; rather cold.	
♥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	Light or moderate Northerly wind, backing NW. or W.; cloudy, some showers; cold, frost at night; mist or fog in places.	♥ South Coast flying
17. N.W. Ireland 18. N.E. Ireland 19. ♥S.E. Ireland 20. ♥S.W. Ireland	Wind Northerly, fresh or strong, backing and moderating; fair at first, probably some rain later; visibility mainly good; rather cold, frost locally at night.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF SUNDAY, MARCH 4TH, 1923.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Low Cloud.
TEMPERATURE
WEATHER.
SEA.
HIGH
Barometer
Falling
Slowly
LOW
HIGH
Barometer
Rising
Briskly
Barometer
Rising
Slowly
LOW
LOW
1022
1020
1018
1016
1014
1012
1010
1008
1006
1004
1002
1000
* Scandinavian Ships
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 °F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles.
5. Poor " " 2½ "
6. Moderate " " 6 "
7. Good " " 12½ "
8. Very good " " 31 "
9. Excellent. " beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION Sunday, 4th March 1923. No. 63

Observations at 0100 G.M.T. 4th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1007.2	+6	ENE	2	0	39	92	4	-	-	0	A St	10	•
Stornoway	1011.4	+8	N	4	30	•	•	5	•	•	•	•	•	•
Wick	1008.0	+16	SW'S	1	qr	40	94	4	800	St	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1015.5	+6	N	4	bc/r	44	85	8	4000	Cu	5	-	5	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1009.5	+9	N	2	or	40	94	4	•	Nb	10	-	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1006.0	+5	W	1	c/r	40	94	6	4000	Nb	10	-	10	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1009.3	+4	NNW	4	or	43	94	4	800	Nb	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1005.4	+5	NW	1	b	39	92	4	-	-	0	-	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1005.4	+6	NW'W	3	b	35	94	6	•	-	0	-	0	•
Gorleston	1005.4	+2	NNW	1	b	35	94	4	-	-	0	-	0	•
Valencia (Cahirciveen)	1020.6	+2	NW	3	bc	46	?	8	•	Cu Nb	4	-	4	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1011.8	+6	N	5	bc	44	85	8	4000	St Cu	6	-	6	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	39	•	•	•	•	•	•	•	•
Croydon	1005.8	+5	-	0	bcr	34	94	4	-	-	0	Ci St	5	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1005.2	+4	N	3	b	39	92	4	-	-	0	-	0	•
Scilly (St. Mary's) ...	1012.9	+5	N	6	b	46	85	8	4000	Cu	2	-	2	•
Falmouth (Pendennis)	1010.4	+6	N	6	c+	44	95	8	4000	Cu	4	-	4	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1005.3	+4	NNW	4	ohr	45	92	6	800	Cu	10	-	10	•
Southampton (Calshot)	1004.2	+6	N'W	4	bc+	44	92	4	2500	Nb	10	-	10	•
Dungeness	1002.2	+4	NNE	2	b	41	94	8	-	-	0	-	0	•
Jersey 7h }	1005.1	+4	W	6	c-	44	95	6	-	-	0	A Cu	8	•
Guernsey 1h }														

Observations at 0700 G.M.T. 4th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1015.6	+5	N	1	0	38	92	4	5/800	St Cu	9	-	9	0
Stornoway	1015.9	+5	WNW	2	c/r	35	92	6	4000	Cu	4	-	4	1
Wick	1010.3	+5	NW	2	4	36	94	5	2500	Cu Nb	2	-	2	0
Castlebay	1017.4	+4	NNW	3	bc	41	75	8	2500	St Cu	3	A Cu	4	3
Nairn	1015.5	•	-	0	c	38	92	8	4000	Cu	4	-	4	•
Aberdeen	1014.6	+6	NW	4	c	40	94	6	1500	St	8	-	8	0
Malin Head	1014.6	+3	N	6	bc	43	85	9	5/800	St Cu	3	Ci Cu	5	6
Renfrew	1014.7	+6	SW	1	0	35	94	8	4000	St Cu	4	A St	10	•
Edinburgh (Inchkeith)	1014.0	+4	N	2	b/r	40	85	4	*	St Cu	2	-	2	•
Leuchars	1015.1	?	N	2	b	34	92	4	-	-	0	A Cu	1	•
Eskdalemuir	1014.8	+3	N	2	c	38	92	6	2500	St Cu	8	-	8	•
Tynemouth	1013.5	+8	NNE	3	ohr	41	94	6	2500	Nb	10	-	10	1
Blacksod Point ...	1021.8	+5	W	3	c	45	75	8	—	Cu	8	-	8	3
Donaghadee	1016.6	+8	NNE	5	bc	43	95	8	2500	Cu	2	A Cu	4	4
Birr Castle	1020.7	•	W	1	b	35	92	7	4000	St Cu	3	-	3	•
Holyhead	1014.6	+4	NE	6	0	45	85	8	2500	St Cu	10	-	10	6
Liverpool (Bidston) ...	1013.4	+5	NW	3	b/r	41	92	8	4000	St	3	-	3	4
Chester (Shotwick) ...	1013.0	+6	NNW	3	c	42	85	4	1500	St	8	-	8	•
Spurn Head	1011.9	+6	NW	2	o/s	41	94	5	500	St	10	-	10	3
Nottingham	1012.1	+8	N	2	0	42	85	4	1500	St Cu	9	-	9	*
Cranwell	1012.4	+8	N	4	0	38	94	5	1500	St	10	-	10	•
Gorleston	1009.9	+5	NNW	2	ff b	34	94	1	-	-	0	-	0	0
Valencia (Cahirciveen)	1022.4	+3	SE	1	c	38	85	8	4000	St Cu	4	-	4	4
Roches Point	1021.5	+5	NNW	4	b	40	92	8	-	-	0	A Cu	2	0
Pembroke (St. Ann's H.)	1016.2	+5	NNW	6	0	42	92	8	4000	St Cu	10	-	10	5
Ross-on-Wye	1012.4	+5	N	2	0	42	85	8	2500	St	10	-	10	•
Benson	1012.1	+4	-	0	0	35	94	6	*	St	10	-	10	•
Andover	1012.1	+4	NNW	4	c	41	92	8	2500	St Cu	4	-	4	•
S. Farnborough ...	1011.5	+4	N'E	2	mist	39	94	5	2500	St	10	-	10	•
London (Kew Obsy.) ...	1011.4	+8	NE	1	0	38	92	4	-	-	0	A St	10	•
Croydon	1010.4	+9	WNW	1	c+	35	94	4	1500	St Cu	4	-	4	•
Clacton-on-Sea ...	1008.6	+6	NNW	3	bc	36	92	6	-	-	0	A St	4	0
Shoeburyness	1009.9	+10	NW	1	ff b	34	85	2	-	-	0	-	0	•
Grain	1009.9	+8	NW	5	b	35	94	6	-	-	0	Ci St	1	0
Lympne	1008.4	+6	N	4	b	35	94	4	4000	St Cu	1	Ci St	3	•
Scilly (St. Mary's) ...	1014.1	+3	NNW	6	b	43	95	8	4000	Cu	3	-	3	4
Falmouth (Pendennis)	1015.6	+6	N	4	or	43	95	8	4000	Cu	9	-	9	1
Plymouth (Cattewater)														
Portland Bill	1009.3	+8	NNW	4	b	46	92	4	-	-	0	-	0	6
Southampton (Calshot)	1011.2	+4	NNW	4	b	42	92	6	-	-	0	-	0	0
Dungeness	1009.6	+6	NE	4	bc	36	94	4	-	-	0	A Cu	4	4
Jersey 7h }	1011.8	+4	NW	4	ohr	44	95	4	4000	St Cu	10	-	10	6
Guernsey 1h }														

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

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 2nd °F.	Temperature. Max. Day. 3rd °F.	Rainfall.† Night 17h.-9h. 2nd-3rd mm.	Rainfall.† Day 9h.-17h. 3rd mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 3rd hr.
Montrose	-	-	39	42	1	5		0.0
Llandudno	r	oco	43	46	0.4	5		0.3
Colwyn Bay ...	bc	crp	42	46	-	4		0.5
Rhyl	r	r	41	46	1	3		0.4
Southport	qcor	rco	36	45	0.1	2		0.3
Blackpool	or	co	38	45	-	2		0.1
Ilkley	bm	qco	36	43	-	-		2.2
Harrogate	cm	cm	33	46	-	-		1.5
Skegness	b	b	35	50	-	-		8.8
Aberystwyth ...	rcc	o	43	41	1	-		1.0
Bath	mb	bbcco	32	52	-	-		6.4
Leamington Spa ...	bc	cod	32	52	-	0.2		4.5
Lowestoft	b	b	34	44	-	-		7.8
Felixstowe	b3	b3	36	49	-	-		7.6
Southend	bc	bc	37	53	-	-		7.0
Paignton	bc	bcco	36	54	4	-		6.8
Ilfracombe	bbcc	co	43	48	1	-		3.8
Bude	bcbcc	cbcco	41	49	2	-		4.0
Penzance	bcp	bc	41	52	6	0.2		8.5
Torquay	b	b	38	55	4	0.1		6.1
Weymouth	bbc	bcpc	36	53	3	0.2		6.4
Bournemouth ...	bb	bbo	34	54	2	-		7.2
Portsmouth (S'thsea)	-	-	38	54	3	-		7.9
Worthing	b	bbc	34	52	5	-		6.6
Brighton	b	b	39	52	3	-		7.0
Eastbourne	bcbc	cbc	40	52	1	-		6.1
Hastings	bcbbcc	fbc	41	52	1	0.1		6.2
Folkestone	bc	bc	40	50	0.3	-		1.0
Tunbridge Wells ...	bbc	b	34	54	-	-		7.4
Ramsgate	b'ycb	bm	38	48	-	-		7.4
Margate	b	b	40	49	-	-		5.0
Deal	bbc	bcm	39	50	-	-		4.3

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. ? See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22,383 MONDAY, 5th MARCH 1923. Page 1.

Observations at 1800 G.M.T. 4th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low Height Feet	Cloud. Low Form.	Cloud. Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1016·3	+4	–	0	b	44	75	7	7200	StCu	2	ACu	3	•
Stornoway	1018·3	+2	NW	2	op.	42	92	6	1500	Nb	10	–	10	•
Wick	1016·6	+3	WNW	1	bc+	46	85	8	4000	CuNb	4	Ci	6	•
Castlebay ...	1019·8	+2	NNW	2	c+	43	65	8	2500	StCu	7	-	7	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1018·2	+4	NW	3	bcp.	46	85	8	2500	Cu	6	–	6	2
Malin Head	1020·1	+2	NNW	3	c+	45	75	9	5700	StCu	3	CiCu	7	•
Renfrew	1018·7	+2	NW	1	c	51	65	7	7200	StCu	7	–	7	2
Edinburgh (Inchkeith)	1018·4	+4	SW	1	o+	43	85	7	–	St	3	ACu	9	•
Leuchars	1017·8	+3	N	1	bc	46	75	7	4000	Cu	3	ACu	5	0
Eskdalemuir ...	1018·6	+4	NEN	2	c	45	75	7	2500	Cu	8	–	8	0
Tynemouth	1017·9	+6	N	3	bc/r	44	85	7	–	–	0	ACu	4	•
Blacksod Point ...	1020·4	-1	W	3	bc	48	75	8	–	Cu	6	–	6	•
Donaghadee	1020·1	+3	NE	3	b-	46	75	8	–	–	0	CiCu	3	•
Birr Castle	1022·1	•	NW	1	c+	47	75	8	4000	StCu	8	–	8	•
Holyhead	1019·6	+4	NW	5	bc	46	85	8	2500	Cu	5	–	5	2
Liverpool (Bidston) ...	1018·1	+3	NNW	4	bc-	44	85	8	–	–	0	CiSt	4	•
Chester (Shotwick) ...	1018·0	+4	NNW	4	c-	46	75	8	2500	StCu	7	–	7	1
Spurn Head	1017·4	+6	N	1	bc	46	91	7	2500	Cu	4	–	4	+
Nottingham	1016·8	+5	NNE	2	o	47	75	6	1500	Cu	8	ACu	9	•
Cranwell	1017·5	+5	NW	3	o	44	85	6	1500	StCu	10	–	10	1
Gorleston	1016·1	+3	NE	3	o	43	75	6	4000	StCu	10	–	10	*
Valencia (Cahirciveen)	1023·5	0	S	2	o	47	65	7	4000	St	10	–	10	1
Roches Point	1022·7	+2	NNW	2	c+	50	75	8	–	–	0	CiCu	7	•
Pembroke (St. Ann's H.)	1020·5	+3	N	5	c	47	85	8	4000	StCu	8	–	8	•
Ross-on-Wye	1017·6	+5	NNE	3	o	47	75	8	4000	StCu	10	–	10	0
Benson...	1017·0	+5	NNE	3	o	44	85	6	4000	St	10	–	10	1
Andover	1016·4	+5	N	5	bc-	48	75	7	2500	Cu	5	–	5	1
S. Farnborough ...	1016·3	+5	NNE	4	mmo	46	75	4	2500	StCu	10	–	10	1
London (Kew Obsy.)...	1016·7	+4	N	2	c	45	85	6	4000	Cu	7	–	7	1
Croydon	1015·9	+4	NW	2	o/f	44	85	4	1500	St	3	CiSt	10	1
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness... ...	1015·0	+5	NE	1	bc+	49	75	8	2500	StCu	6	–	6	•
Grain	1015·1	+4	N	4	b	48	75	6	4000	St	2	–	2	2
Lympne	1014·4	+5	NE	5	c+	46	85	6	1500	St	8	–	8	1
Scilly (St. Mary's) ...	1021·0	+1	N	3	b	49	75	8	4000	Cu	3	–	3	•
Falmouth (Pendennis)	1020·4	+8	N	4	cp.	46	75	8	4000	CuNb	8	–	8	•
Plymouth (Cattewater)	1018·4	+2	N	4	b+	48	75	7	2500	StCu	3	–	3	1
Portland Bill ...	1015·9	+9	NNW	5	bc+	49	75	7	–	–	0	CiCu	4	•
Southampton (Calshot)	1016·3	+4	NNW	4	c	49	75	7	4000	StCu	7	–	7	0
Dungeness	1014·1	+5	NE	4	bc+	49	75	7	1500	Cu	5	–	5	•
Jersey	1016·2	+3	N	4	bc-	49	75	7	4000	StCu	4	–	4	•

Observations at 1800 G.M.T. 4th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1017·3	+1	W	1	c+	41	92	7	5700	StCu	8	–	8	0
Stornoway	1018·0	0	–	0	o	40	92	6	800	St	10	–	10	0
Wick	1018·1	+1	SW	2	o	39	97	7	–	–	0	CiSt	10	0
Castlebay	1018·2	-1	SE	2	o+	43	75	8	1500	St	10	-	10	2
Nairn	1018·8	•	–	0	c	42	85	8	1500	StCu	8	–	8	•
Aberdeen	1019·8	+2	–	0	bc	42	85	7	4000	StCu	6	–	6	0
Malin Head	1018·9	-1	E	1	o	43	65	9	–	–	0	ASt	9	3
Renfrew	1019·5	+1	W	2	bc	43	85	7	7200	St	1	CiSt	6	•
Edinburgh (Inchkeith)	1019·3	+2	SE	1	mmo	43	85	6	–	StCu	10	–	10	1
Leuchars	1018·9	+1	SW	2	o	43	85	6	5700	StCu	10	–	10	•
Eskdalemuir	1021·8	+2	N	1	o	37	85	6	2500	StCu	6	ASt	10	•
Tynemouth	1020·2	+4	NNE	3	bc	43	92	7	4000	Cu	3	CiCu	6	2
Blacksod Point	1018·1	-2	W	4	o	46	75	7	–	StCu	10	–	10	4
Donaghadee	1020·6	0	N	1	c+	43	75	8	–	–	0	ASt	8	2
Birr Castle	1021·2	•	W	2	bc	43	85	7	1500	St	4	ASt	5	•
Holyhead	1021·3	+2	N	3	bc	43	85	8	4000	StCu	3	ASt	6	2
Liverpool (Bidston)	1021·0	+2	NW	1	bc+	43	92	6	2500	StCu	4	–	4	2
Chester (Shotwick)	1020·5	+3	NW	2	c	43	92	6	2500	StCu	6	CiCu	8	•
Spurn Head	1020·8	+3	E	2	o	41	92	5	800	St	10	–	10	3
Nottingham	1019·7	+5	N	6	o	45	92	4	1500	StCu	10	–	10	*
Cranwell	1021·2	+4	NNW	2	o	41	97	6	2500	StCu	9	ACu	10	*
Gorleston	1019·5	+2	NNE	3	o+	40	85	6	4000	CuNb	9	–	9	1
Valencia (Cahirciveen)	1021·2	-2	S	3	o	46	65	8	4000	StCu	10	–	10	1
Roches Point	1022·5	0	WSW	2	c	46	85	8	–	–	0	CiCu	7	0
Pembroke (St. Ann's H.)	1022·2	+2	N	2	b	43	85	8	–	–	0	Ci	3	4
Ross-on-Wye	1020·1	+3	NE'E	2	mo	44	75	6	2500	St	9	–	9	•
Benson	1019·1	+4	NE	1	bc-	41	92	6	–	St	4	–	4	•
Andover	1019·8	+4	NNW	3	b-	43	85	6	2500	StCu	3	–	3	•
S. Farnborough	1013·5	+4	~~[illegible]~~ NW	1	mmb	41	85	4	–	–	0	–	0	•
London (Kew Obsy.)	1019·7	+4	NW	2	bc-	44	75	6	4000	StCu	1	ASt	5	•
Croydon	1019·4	+4	–	0	ffo	42	85	3	2500	StCu	10	–	10	•
Clacton-on-Sea	1018·7	+6	NE	3	bc	42	85	7	4000	St	4	–	4	0
Shoeburyness	1019·5	+5	NE	1	bc	39	85	8	2500	StCu	5	–	5	•
Grain	1019·3	+8	ENE	4	c-	42	85	6	2500	St	7	ASt	8	0
Lympne	1018·3	+3	NNE	4	c	41	92	7	1500	StCu	6	ASt	7	•
Scilly (St. Mary's)	1021·7	+1	N	3	bc	44	75	8	4000	StCu	3	Ci	4	4
Falmouth (Pendennis)	1022·5	+3	N	3	bc+	45	75	8	4000	Cu	1	Ci	5	1
Plymouth (Cattewater)	1021·2	+3	N	3	bc	46	85	7	2500	StCu	2	CiSt	4	0
Portland Bill	1018·6	+6	N	4	o+	47	85	6	2500	St	10	–	10	4
Southampton (Calshot)	1019·9	+5	N	2	c	46	85	6	5700	StCu	5	ASt	7	0
Dungeness	1018·5	+5	NE	4	c	42	97	7	1500	Cu	8	–	8	4
Jersey	1018·8	+2	NNW	3	b	48	75	7	–	–	0	CiSt	2	3

LONDON OBSERVATIONS.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 5th								Yesterday.		To-day.
Kew {24 hours ended 0700}	omxwc	bmbc	bmowf	•	•	25	–	–	5·0	•	•
Croydon {24 hours ended 0700}	obcmf	bomf	ofom	•	•	30	–	–	2·5	•	•
Greenwich (Royal Obsy.) ...	o	ccbc	obcx	47	33	27	–	–	4·5	75	84
City (Bunhill Row) ...	•	•	•	•	•	•	•	•		•	•
Westminster (St. James' Pk.)	•	•	•	53	37	29	–	–		85	79
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	5·3	•	
Camden Square..	o	b	•	54	36	30	–	–	•	•	86
Kensington Palace ...	bc	bc	•	47	32	25	–	–	•	82 (18h)	85
Hampstead Observatory ...	•	•	•	46	36	24	–	–		•	90

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 4th

South Kensington			
Max.	Time.	Min.	Time.

Kew Observatory			
Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 4th 18 h 45 m. to 5th 05 h 30 m.

Stars.	Exposure. h. m.	Exposed. h. m.	%
Polaris	10 45	04 30	42
δ Ursae Minoris	10 45	03 56	37

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep.
4 = Bare ground frozen (but more than 2 ins. deep.
5 = Snow (or wet grass but not wet ground).
6 = Skating fodder in 1300 & 1800 reports (Hoar frost in 0700 and 0800 reports).
7 = Snow (thin layer), often not continuous.
8 = Snow (deep) covering ground, usually a continuous layer.
9 = Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 secs.	Stren.	Direc.
13h.				
18h.				
01h.				
07h.				

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

5th & 6th MARCH, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	6·34 / 6·32	12·2 / 12·0	5·56 / 5·58
Greenwich ...	6·40 / 6·38	12·12 / 12·12	5·44 / 5·46
Wick	7·0 / 6·34	12·24 / 12·24	5·45 / 6·00
Valencia ...	7·22 / 7·20	12·53 / 12·53	6·24 / 6·26

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
fp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather. A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r_0r_0 = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

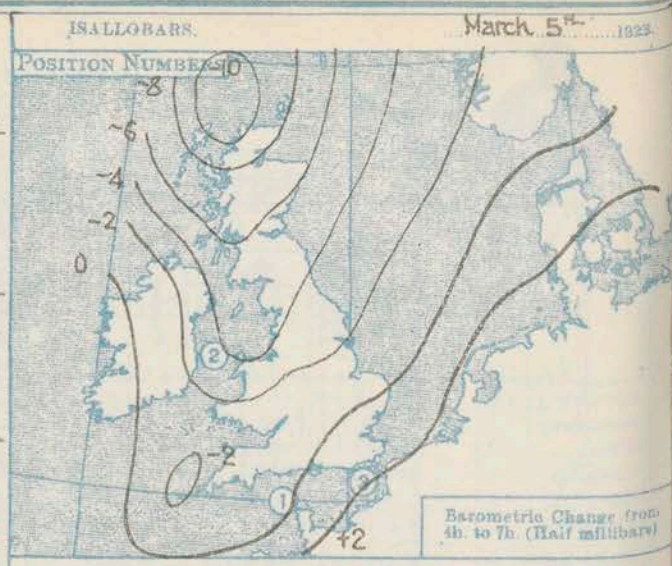
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.–13h. 4h	Weather. 13h.–18h. 4h	Weather. 18h. 4h to 1h. 5h	Weather. 1h.–7h. 5h	Temperature. Max. Day. 7h.–18h.	Temperature. Min. Night 18h.–7h.	Temperature. Min. on Grass	Rainfall.† Day. 7h.–18h. mm.	Rainfall.† Night 18h.–7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun. 4th. Hours.
Lerwick	bc	bc	c	oq	46	40	•	–	–	–	–	5·6
Stornoway	cpr	o	c	pr	43	38	•	0·3	2	–	–	2·0
Wick	c	c	oo	oo	47	38	•	–	–	–	–	•
Castlebay	bcopc	co	op	oprro	45	42	•	–	4	–	0130	4·2
Nairn		bccq	cqdo	cbcoq	46	36	•	–	0·2	–	0430	2·8
Aberdeen	cpr	c	co	oo	47	38	31	0·2	–	11·00	–	4·2
Malin Head	bc	co	co	coiR	45	38		–	2	–	0430	6·9
Renfrew	ocbc	cbcy	bcb	bors	52	34	26	–	1	–	0630	6·1
Edinburgh (Inchkeith)	c	oo	oo	oo	45	38	?	–	–	–	–	0·8
Leuchars	bocbc	bcco	obco	oo	48	37	27	–	–	–	–	2·4
Eskdalemuir	cbcc	co	oom	omo	47	32	28	–	–	–	–	2·9
Tynemouth	orrbc	c	cmfefe	fefecm	44	34	30	1	–	<0800	–	•
Blacksod Point	c	c	c	c	49	41	•	–	6	–	–	•
Donaghadee	bc	c	bc	omr	47	38	•	–	4	–	0530	•
Birr Castle	bcco	co	oprco	co	47	41	34	–	5	–	–	3.3
Holyhead	ocbc	bc	b-bc	bcorRq	46	39	33	–	1	–	0630	6·6
Liverpool (Bidston)	bc	b-bc	bcc	um	46	35	30	–	–	–	–	5·2
Chester (Shotwick)	coc	cc	ccm	cmopro	49	32	23	–	Trace	–	0530	2·8
Spurn Head	c	c	c	c	47	39	•	–	–	–	–	1·5
Nottingham	c	oo	om	om	47	39	37	–	–	–	–	1·7
Cranwell	om	oo	oq	omm	44	37	35	–	Trace	–	–	0·0
Gorleston	bfco	oc	ob	oco	44	37	35	–	–	–	–	1·8
Valencia (Cahirciveen)	oo	oo	bcrdo	orroc	48	45	43	–	15	–	–	0·2
Roches Point	bbcc	c	orrb	co	51	45	–	–	6	–	0230	–
Pembroke (St. Ann's H.)	c	b-bc	b-bc	coor	47	40	•	–	0·4	–	0630	6·5
Ross-on-Wye	cbbco	oco	cmbmx	bmxcm	48	31	24	–	–	–	–	3·4
Benson	c3	bc3	bc3	bc3	45	29	23	–	–	–	–	•
Andover	cbc	bccobc	bbm	bmbcfx	50	30	22	–	–	–	–	4·1
S. Farnborough	oomm	cbcmm	bm	bmofx	49	26	21	–	–	–	–	2·9
London (Kew Obsy.)	omxomm	bmbcm	bm	bmwof	47	33	25	–	–	–	–	5·0
Croydon	obcmf	bo3f	of	omm	45	35	30	–	–	–	–	2·5
Clacton-on-Sea	bccm	cbbc	bcoq	oqcbc	48	35	28	–	–	–	–	8·4
Shoeburyness	b-bc	c	bmxbm	bcmcm	49	34	26	–	Trace	–	–	6·5
Grain	bbccb	bccm	cbboo	ocbc	48	33	25	–	–	–	–	6·1
Lympne	bbcm	cbcc	cbcco	om	48	32	27	–	–	–	–	~~8·9~~ 8.7
Scilly (St. Mary's)	bc	bc	c	omr	50	40	•	–	1	–	0630	8·7
Falmouth (Pendennis)	cpq	cbcb	bb	bbcc	48	40	•	Trace	–	<0800	–	6·0
Plymouth (Cattewater)	bbcc	bbc	bcb	bo	49	34	36	–	–	–	–	5·8
Portland Bill	bbc	bcco	bcb	bco	50	40	•	–	–	–	–	•
Southampton (Calshot)	c	c	cbcbm	bmbcf	50	35	30	–	–	–	–	4·3
Dungeness	b-bc	c	b-bcx	c	50	34	•	–	–	–	–	•
Jersey	obc	bcb	b-bc	bwoe	50	35		–	–	–	–	4·2



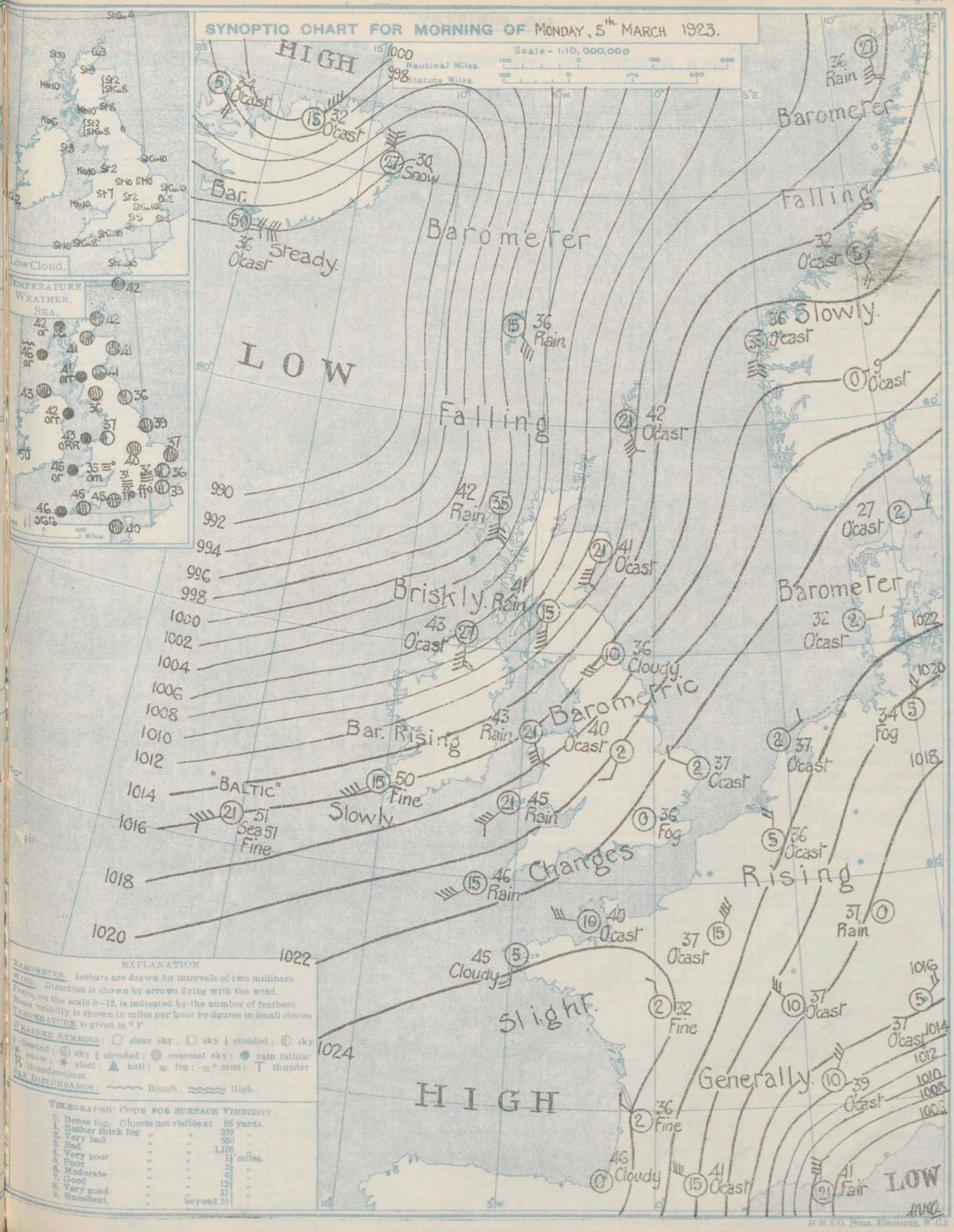
Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
3	5th 0300	Dieppe	NNE	1	b	44	48	7

GENERAL INFERENCE.

The depression off the Hebrides will spread Northeast and cause generally unsettled and rather mild weather with S. to SW. winds. Considerable falls of rain may be expected in the North with strong winds or gales, but in the South, fair periods are probable and winds will be less strong.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 5th March, 1923.	Further Outlook.
1. S.E. England 2. E. England	Moderate SW. wind; mainly cloudy, probably some rain or drizzle later; visibility moderate; rather mild.	Unsettled in the Northwest; outlook for Southeast England with-held.
3. E. Midlands 4. W. Midlands ▼5. S.W. England ▼6. South Wales	Moderate or fresh SW. wind; mainly cloudy, some rain or drizzle; visibility moderate; rather mild.	
▼7. North Wales ▼8. N.W. England 9. N. Midlands	Fresh or strong Southwesterly wind; much cloud, some rain; visibility mainly moderate to good; rather mild.	
10. N.E. England	Fresh or strong S. to SW. winds; mainly cloudy, some rain or drizzle; visibility moderate to good; rather mild.	
11. E. Scotland 12. S.W. Scotland ▼13. Isle of Man ▼14. N.&N.W. Scotland ▼15. Hebrides ▼16. Orkneys and Shetlands ▼17. N.W. Ireland 18. N.E. Ireland	Fresh or strong S. to SW. winds, a gale in places, much cloud, some rain; visibility mainly moderate to good; rather mild.	▽ South Cone hoisted at 0300 GMT to-day. ▼ South Cone still flying.
▼19. S.E. Ireland ▼20. S.W. Ireland	Fresh or strong Westerly winds; some showers, fair periods; visibility good; rather mild.	



H.M.S.O. Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. MONDAY 5th MARCH 1923. No. 64

Observations at 0100 G.M.T. 5th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1015·9	-2	SW	2	bc	41	92	7	4000	St Cu	6	-	6	*
Stornoway	1013·7	-5	S	5	0	*	*	5	*	*	*	*	*	*
Wick	1014·0	-6	S	4	0	42	92	8	2500	St	5	a. St	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1011·4	-6	SSE	5	0	44	75	8	5750	St Cu	6	a. Cu	9	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1018·1	-2	SSW	2	o/f	39	97	6	-	St	2	Ci Cu	10	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1020·3	-1	W	2	Fo+	35	97	1	4150	St	10	-	10	*
Blacksod Point														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1020·1	-2	S'E	3	bc+	42	85	8	4000	St Cu	3	a. St	5	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1022·2	+1	SE	2	0	39	97	6	2500	St Cu	10	-	10	*
Nottingham	1021·9	+	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	~~1021·8~~	+1	SE	2	0	38	97	6	2500	St	10	-	10	*
Gorleston	1022·5	+1	N	1	0	39	85	7	-	-	0	a. St	10	*
Valencia (Cahirciveen)	1015·5	-8	S	5	0+	47	92	6	-	St	10	-	10	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1022·0	-2	S	2	b	43	85	8	4000	St Cu	3	-	3	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	37	*	*	*	*	*	*	*	*
Croydon	1022·2	+1	SE	2	o/f	40	92	6	2500	St Cu	9	-	9	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1022·5	+4	N	3	0+	39	92	6	4000	St Cu	10	-	10	*
Scilly (St. Mary's)	1023·2	0	SW	1	0	?	85	8	4000	St Cu	10	-	10	*
Falmouth (Pendennis)	1023·1	+1	-	0	b	40	92	8	-	-	0	-	0	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1021·1	0	N	3	b-	45	85	7	-	-	0	-	0	*
Southampton (Calshot)	1022·7	+1	N	2	mmb	39	97	4	-	-	0	-	0	*
Dungeness	1021·8	+3	NE	3	c+	35	97	7	4000	St Cu	7	-	7	*
Jersey (7h) / Guernsey (1h)	1023·2	0	NNW	2	b	44	85	6	-	-	0	Ci St	3	*

Observations at 0700 G.M.T. 5th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1011·3	-6	SSE	5	0	42	85	7	5750	St Cu	4	a. St	10	4
Stornoway	999·9	-11	S	7	o+	42	92	6	450	St	10	-	10	6
Wick	1006·4	-8	S	5	0	42	92	8	5750	Cu	3	a. St	10	3
Castlebay	1001·9	*	SSW	6	o+-	46	97	5	800	Nb	10	-	10	7
Nairn	1006·2	*	W	3	0	41	85	8	1500	St	9	-	9	*
Aberdeen	1011·7	-6	S'W	5	0	41	92	6	1500	St Cu	10	-	10	0
Malin Head	1004·6	-2	S	6	o/r	43	92	8	5750	Nb	6	Ci St	10	3
Renfrew	1011·4	-6	S	4	o/r	41	85	6	1500	Nb	10	-	10	*
Edinburgh (Inchkeith)	1012·6	-5	W SW	2	0	41	85	8	-	St	8	a. St	10	*
Leuchars	1011·9	-6	-	0	0	40	92	7	2500	St Cu	5	a. St	10	
Eskdalemuir	1014·7	-5	S'W	4	0	36	92	6	2500	St Cu	10	-	10	*
Tynemouth	1016·4	-4	SW	3	c/f	36	97	5	-	-	0	a. St	7	2
Blacksod Point	1010.9	-2	W'S	5	C	49	75	7	-	CuNb	7	-	7	4
Donaghadee	1012·4	-4	SW	3	o+r	42	92	8	800	St	3	a. St	10	3
Birr Castle	1013.3	*	SSW	3	bc	49	85	7	4000	St Cu	6	-	6	*
Holyhead	1016·0	-4	S'E	5	ORR	43	92	6	800	Nb	10	-	10	4
Liverpool (Bidston)	1017·5	-4	SE	3	bc+	37	92	7	2500	St	2	Ci St	4	3
Chester (Shotwick)	1018·1	-2	SE	3	0	37	85	6	5750	St Cu	10	-	10	*
Spurn Head	1020·7	-2	SSE	4	0	39	92	5	1500	St Cu	10	-	10	3
Nottingham	1020·1	-2	SSW	1	0	40	97	4	1500	St	10	-	10	*
Cranwell	1021·0	-1	SE'S	3	0	37	97	6	450	St	10	-	10	*
Gorleston	1022·3	0	WNW	1	0	37	92	6	5750	St Cu	10	-	10	0
Valencia (Cahirciveen)	1015·4	+2	SW'W	4	b/r	50	85	7	800	Cu	2	-	2	4
Roches Point	1015·6	-1	N	3	b	47	92	8	-	-	0	-	0	6
Pembroke (St. Ann's H.)	1019·0	-1	SW	5	o+	45	92	7	2500	Nb	10	-	10	4
Ross-on-Wye	1020·7	0	S'W	1	mo-	35	97	6	2500	St	7	a. St	10	*
Benson	1022·1	0	S	2	bc	35	97	5	4000	St	2	Ci Cu	6	*
Andover	1022·3	0	-	0	ffbc	31	97	2	-	-	0	Ci St	5	*
S. Farnborough	1022·4	0	-	0	ffo	31	97	2	800	St	8	a. Cu	10	*
London (Kew Obsy.)	1023·1	+1	-	0	ffo	36	97	2	2500	St Cu	10	-	10	*
Croydon	1022·5	0	SSE	2	o+	37	92	5	2500	St Cu	10	-	10	
Clacton-on-Sea	1022·4	0	WNW	2	bc	36	92	7	2500	Cu	2	a. St	5	0
Shoeburyness	1023·4	0	NW	1	mb-	37	85	6	5750	Cu	2	-	2	*
Grain	1023·4	+1	W	3	bc-	33	97	6	-	-	0	Ci St	5	0
Lympne	1023·0	+1	N	2	0	34	97	6	2500	St Cu	9	-	9	*
Scilly (St. Mary's)	1020·6	-2	SW'W	4	o+r	46	92	6	1500	St	10	-	10	4
Falmouth (Pendennis)	1021·7	-1	SW	4	c+	45	85	8	5750	St Cu	8	-	8	0
Plymouth (Cattewater)	1022·0	0	SSW	2	0	38	97	7	2500	St Cu	10	-	10	0
Portland Bill	1021·1	0	S	4	o+	45	85	6	2500	St Cu	10	-	10	4
Southampton (Calshot)	1022·5	0	NE	1	fbcr	36	97	3	-	-	0	Ci St	6	0
Dungeness	1021·8	0	NE	3	bc	33	97	7	1500	St	4	-	4	3
Jersey (7h) / Guernsey (1h)	1023·2	0	W	3	o	40	97	6	2500	St Cu	10	-	10	3

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

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night 3rd-4th	Temperature. Max. Day 4th	Rainfall.† Night 17h.-9h. 3rd-4th	Rainfall.† Day 9h.-17h. 4th	Sunshine.	Sunshine. Sunrise to Sunset 4th
			°F.	°F.	mm.	mm.	hr.	hr.
Montrose	+	+	38	48	5	0·1		1·8
Llandudno	cb	b	43	47	0·3	-		7·3
Colwyn Bay	bc	bc	43	48	-	-		4·7
Rhyl	bc	bc	41	43	-	-		7·5
Southport	bbc	bcbc	38	47	1	-		3·4
Blackpool	oc	bc	38	49	0·4	-		5·1
Ilkley	odc	gc	34	44	1	-		0·0
Harrogate	oc	co	35	44	0·4	-		0·0
Skegness								
Aberystwyth	roc	b	44	46	1	-		3·0
Bath	ocbcb	bcco	40	50	4	-		3·0
Leamington Spa	+	+	40	48	1	-		4·0
Lowestoft	bco	oco	33	42	-	-		2·1
Felixstowe	bzc	cz	33	47	-	-		7·2
Southend	bbc	co	33	50	-	-		5·6

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night 3rd-4th	Temperature. Max. Day 4th	Rainfall.† Night 17h.-9h. 3rd-4th	Rainfall.† Day 9h.-17h. 4th	Sunshine.	Sunshine. Sunrise to Sunset 4th
			°F	°F	mm.	mm.	hr.	hr.
Paignton								
Ilfracombe	cbc	bcb	44	50	-	-		6·7
Bude	cbbc	bcbc	41	49	0·2	-		5·3
Penzance	bcbc	cbc	43	50	0·3	-		5·2
Torquay	b	b	42	53	0·3	-		6·8
Weymouth	bbc	bcc	40	53	1	-		8·2
Bournemouth	b	b	41	51	1	-		8·2
Portsmouth (S'thsea)	b	b	41	50	-	-		7·2
Worthing	ob	b	38	50	-	-		6·5
Brighton	b	b	37	50	-	-		7·6
Eastbourne	b	bbc	39	55	-	-		9·3
Hastings	b	bbcc	39	50	-	-		9·2
Folkestone	b	b	37	49	-	-		8·0
Tunbridge Wells	b	bbcm	32	52	-	-		8·8
Ramsgate	b	bbcm	38	47	-	-		5·2
Margate	b	c	40	45	-	-		5·7
Deal	mbcb	bbbcc	35	48	-	-		5·2

* Information for these stations not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22384 TUESDAY 6th MARCH 1923. Page 1.

Observations at 1300 G.M.T. 5th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1002.8	-7	SSW	8	orr	41	92	6	2500	Nb	10	-	10	•
Stornoway	998.9	0	SW	3	o/r	48	92	6	450	St.	10	-	10	•
Wick	999.8	-5	S	5	o/r	42	97	8	4000	Cu	3	A.st	9	•
Castlebay	1002.6	+2	N	4	or	45	92	6	800	Cu	10	—	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1005.4	-6	SSW	5	or	40	97	6	1500	Nb	10	-	10	1
Malin Head	1007.1	+3	WSW	7	c/r	48	75	8	2500	St.	3	A.Cu	7	•
Renfrew	1007.1	-2	WSW	5	c/r	49	85	6	1500	St.Cu	8	-	8	2
Edinburgh (Inchkeith)	1005.9	-8	WSW	5	c/p	46	92	8	*	Cu	2	A.st	7	•
Leuchars	1005.7	-7	SSW	4	o/r	46	92	7	1500	St.Cu	8	A.st	9	2
Eskdalemuir	1009.4	-3	SW	5	o/s	44	92	7	800	St.Cu	10	-	10	2
Tynemouth	1012.1	-3	SW	3	o/s/o	40	92	4	4000	Nb	10	--	10	•
Blacksod Point	1013.7	+5	W	5	bc	51	75	7	-	CuNb	6	-	6	
Donaghadee	1010.2	+1	W	5	bc	51	65	8	-	CuNb	4	-	4	•
Birr Castle	1015.7	•	W	3	c+	51	65	8	4000	St.Cu	8	—	8	•
Holyhead	1015.1	0	SW'S	4	b	51	85	8	2500	Cu	1	A.st	2	2
Liverpool (Bidston)	1014.1	-3	SW'S	5	b/r	49	75	8	4000	St.Cu	1	Ci.st	2	•
Chester (Shotwick)	1015.3	-2	SW	5	b	52	75	9	1500	St.Cu	2	Ci	3	2
Spurn Head	1017.8	-3	SSW	5	od₀	43	92	4	800	Nb	10	-	10	*
Nottingham	1017.5	-2	SW	4	orr	43	92	6	1500	Nb	10	-	10	•
Cranwell	1018.5	-3	SSW	4	orr	42	92	6	800	St.	10	-	10	•
Gorleston	1020.7	-1	S'W	4	o	43	75	6	5700	St.Cu	10	-	10	*
Valencia (Cahirciveen)	1019.7	+4	WSW	4	c+	52	85	7	2500	Cu	2	A.Cu	7	1
Roches Point	1017.4	+2	WNW	4	bc	53	75	8	4000	CuNb	2	Ci	4	•
Pembroke (St. Ann's H.)	1018.2	0	W	4	b	48	92	8	4000	Cu	1	-	1	•
Ross-on-Wye	1018.5	-3	SW	4	c⊕	45	85	7	4000	Cu	3	Ci	8	1
Benson	1020.1	-2	WSW	4	or₀	45	85	5	*	Nb	10	-	10	1
Andover	1020.5	-2	SSW	5	or₀	47	85	7	1500	Nb	5	A.st	10	1
S. Farnborough	1019.7	-3	SW	4	mmo	47	75	6	1500	St.Cu	10	-	10	1
London (Kew Obsy.)	1020.8	-2	SSW	3	o	48	75	5	2500	St.Cu	7	A.st	10	1
Croydon	1020.9	-3	S'W	3	o	46	85	6	2500	St.Cu	7	A.st	10	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1021.0	-2	SSW	3	mmo	46	75	6	4000	St.	6	A.st	10	•
Grain	1021.3	+2	SSW	4	o	46	75	7	-	-	0	A.st	10	2
Lympne	1021.4	-4	SW	4	o	43	85	7	1500	St.Cu	10	-	10	1
Scilly (St. Mary's)	1020.7	+1	WNW	3	b/r	52	97	7	4000	St.Cu	2	-	2	•
Falmouth (Pendennis)	1021.0	0	SW	4	od₀d₀	48	85	5	2500	Nb	10	-	10	•
Plymouth (Cattewater)	1021.2	0	SSW	4	ODD	46	97	5	<150	Nb	10	-	10	2
Portland Bill	1020.2	-2	S	6	or₀r₀	46	85	6	450	St.	10	-	10	•
Southampton (Calshot)	1021.3	-2	SSW	5	o/+	48	85	8	2500	St.Cu	2	A.st	10	0
Dungeness	1021.7	0	SW	3	c+	45	85	7	1300	St	7	-	7	•
Jersey	1023.2	0	SW	3	o	48	88	6	2600	StCu	10	•	10	•

Observations at 1800 G.M.T. 5th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1001.1	-1	SSW	4	orr	43	97	6	2500	Nb	10	-	10	3
Stornoway	1003.2	+4	W	3	o	46	92	6	800	St	10	-	10	2
Wick	1001.1	+2	WNW	2	c/r	46	97	7	2500	CuNb	6	ACu	8	1
Castlebay	1007.6	+5	WNW	4	b	47	75	7	2500	Cu	2	-	2	5
Nairn	1004.3	•	W	3	c/r	43	85	8	4000	Cu	4	CiCu	7	•
Aberdeen	1004.3	+1	W	3	o/r	45	92	6	2500	Nb	10	-	10	3
Malin Head	1011.3	+3	WSW	6	bc/r	46	85	8	2500	St	3	CiCu	5	4
Renfrew	1009.8	+6	W	3	or₀	46	85	6	800	St	10	•	10	•
Edinburgh (Inchkeith)	1006.3	-2	W	5	bcpr₀	46	85	8	*	CuNb	1	AC	5	4
Leuchars	1005.1	+1	W	6	bc₀	44	85	8	4000	StCu	4	AC	6	•
Eskdalemuir	1010.5	+2	W	6	o/r	43	85	7	1500	StCu	10	-	10	•
Tynemouth	1010.1	0	W	3	bc/r	47	75	6	4000	CuNb	3	AC	6	1
Blacksod Point	1014.8	0	SW	3	bc	47	85	7	-	CuNb	4	-	4	3
Donaghadee	1014.1	+4	W	3	b	48	75	8	5700	Cu	3	•	3	2
Birr Castle	1017.3	•	W	3	bc	48	75	9	4000	Cu	2	CiCu	3	•
Holyhead	1017.4	+2	SW	4	bc	49	75	8	4000	StC	2	ASt	4	4
Liverpool (Bidston)	1016.1	+3	WSW	5	b	46	85	8	-	•	0	Ci	2	5
Chester (Shotwick)	1016.2	+2	W	4	bc	49	65	8	2500	StC	4	-	4	•
Spurn Head	1015.6	-2	SSW	5	b	42	97	6	-	-	0	-	0	4
Nottingham	1016.7	0	WSW	2	b/r	45	92	6	2500	Cu	2	-	2	•
Cranwell	1017.0	[illegible]	SSW	3	b+	43	92	6	2500	Cu	2	-	2	•
Gorleston	1018.3	-2	SW	3	or₀+	43	97	4	2500	Nb	10	-	10	1
Valencia (Cahirciveen)	1019.8	0	S'W'W	3	b-	49	85	7	2500	Cu	1	ASt	3	4
Roches Point	1020.1	+1	N	2	c+	50	85	8	-	-	-	Cu	8	3
Pembroke (St. Ann's H.)	1019.4	+1	W	4	b	47	92	8	-	•	0	CiSt	2	4
Ross-on-Wye	1018.7	+1	SWW	2	bc-	46	92	7	4000	Cu	3	Ci	4	•
Benson	1019.3	0	WSW	2	bc	44	92	7	*	Cu	5	-	5	•
Andover	1020.3	0	SSW	3	or	45	97	8	1500	St	10	-	10	•
S. Farnborough	1020.1	0	WSW	4	mmo	44	85	6	2500	Cu	10	-	10	•
London (Kew Obsy.)	1020.0	0	SW	3	c-	46	85	6	5700	Cu	8	-	8	•
Croydon	1020.1	0	SW'W	3	odd	45	92	5	800	St	10	•	10	•
Clacton-on-Sea	1018.9	-2	W	3	o	46	85	6	4000	StCu	10	•	10	1
Shoeburyness	1019.6	-1	SW	3	od₀	46	85	6	2500	St	10	-	10	•
Grain	1020.1	0	WSW	4	o	46	85	7	1500	StC	10	•	10	0
Lympne	1020.3	-1	WSW	4	or₀	45	92	6	1500	Nb	8	ASt	10	•
Scilly (St. Mary's)	1022.0	+1	WNW	2	bc	50	85	7	4000	StC	2	Ci	4	3
Falmouth (Pendennis)	1022.1	+2	NW	3	bc/r	50	85	8	4000	StC	2	Ci	4	0
Plymouth (Cattewater)	1021.0	+1	WNW	1	b'	50	85	6	2500	StC	1	Ci	2	0
Portland Bill	1018.7	-3	S	5	o/r	46	85	6	450	St	10	-	10	4
Southampton (Calshot)	1021.0	-1	SW	4	o	46	92	7	1500	St	10	-	10	0
Dungeness	1020.0	-2	SW	4	or	45	97	7	4000	St	10	-	10	4
Jersey	1022.4	0	WSW	3	odd	46	92	5	1500	Nb	10	•	10	3

London Observations (Weather and Temperature: 24 Hours ended 0900 G.M.T. 6th)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew } 24 hours ended 0700	ofwom	emtc	bmof-w	•	•	29	tr	tr	0.0	•	•
Croydon } 24 hours ended 0700	ombco	ozmdd	bowfeo	•	•	34	tr	tr	1.4	•	•
Greenwich (Royal Obsy.)	bo	oid	bwcom	49	37	33	-	.	1.0	71	93
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	•	•	•	50	39	35	—	—	0.0	70	92
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0.0	•	•
Camden Square	o	↑o	•	49	40	39	tr	~	•	•	96
Kensington Palace	o	o	•	49	37	33	0.1	~	•	87 (18h)	95
Hampstead Observatory	•	•	•	47	37	35	tr	tr	0.0	•	98

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1800 G.M.T. 5th.

South Kensington

Max.	Time.	Min.	Time.

Kew Observatory

Max.	Time.	Min.	Time.
0.9	21h. 4th	0.3	15h. 5th
1.0	9h. 5th		

Pole Star Record at Greenwich Obsy.

Exposure from 5th 18 h. 45 m. to 6th 05 h. 30 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10 45	05 31	51
δ Ursae Minoris	10 45	05 06	47

Code for State of Ground.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1300 & 1800 reports (Hoar frost in 0600 and 0800 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

Radio Disturbances (Atmospherics)[1] at Croydon.

Time.	Type.	No. per 4 secs.	Stren.	Direc.
15h.	C₁C₂	6	~	10
18h.	C₁C₂	5	~	170°
21h.	~	~	~	~
07h.	~	~	~	~

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 6th & 7th March, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·32 6·29	12·5 12·4	5·38 5·39
Greenwich	6·38 6·35	12·12 12·11	5·46 5·47
Wick	6·57 6·54	12·24 12·23	5·50 5·52
Valencia	7·20 7·17	12·33 12·32	6·26 6·28

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
lo precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; − = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r₀r₀ = continuous light rain.

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Sea Disturbance.
0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

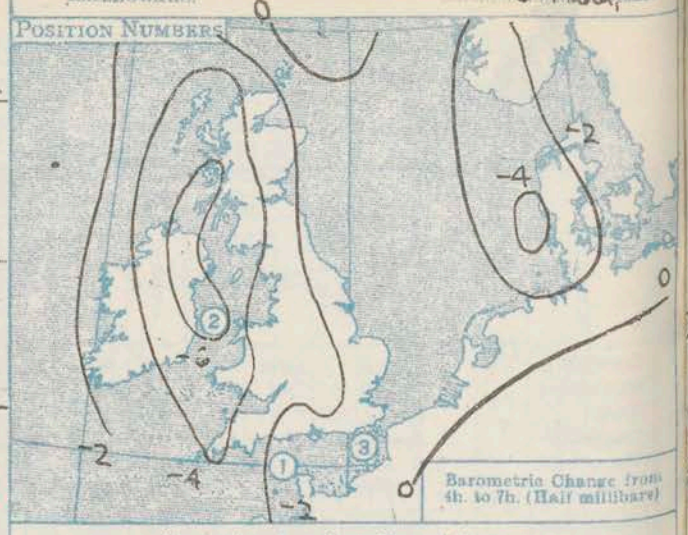
[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 5th	13h.-18h. 5th	18h. 5th to 1h. 6th	1h.-7h. 6th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 5th Hours.
Lerwick	omr	omr	bcq	bcp	43	41	•	5	1	L0800	L2100	0·0
Stornoway	r.d	oo	c	oo	49	40	•	1	0·6	–	–	1·7
Wick	orr	orr	b-bc	c	46	38	•	4	–	L0800	–	•
Castlebay		rcb	bc	cr	48	45	•	4	0·4	–	–	2·6
Nairn	cbcq	quRc	cq	cpq	51	38	•	2	0·4	1530	2400	2·2
Aberdeen	omirq	bcopr	or ob	b-bc	46	38	30	1	0·4	0900	L2100	1·2
Malin Head	PRco	PRbc	PRco	oir	49	42	•	1	0·6	L0800	L2100	5·7
Renfrew	orrpc	crod	oq	oidm	51	41	38	6	1	L0800	L2100	1·6
Edinburgh (Inchkeith)	p	p	bcc	oo	49	41	?	0·6	0·4	1630	0530	3·1
Leuchars	oiroc	ocbcq	bq/bo	oo	50	37	28	2	–	0900	–	2·2
Eskdalemuir	orzero	oopr	o/pb	bofe	48	36	33	11	0·6	L0800	L2100	1·0
Tynemouth	cfam	ompq	bcm	cm	49	41	36	1	–	11·00	–	•
Blacksod Point	b	c	c	c	51	41	•	–	4	–	–	•
Donaghadee	bcqp	bcqo	bc	bc	53	42	•	2	–	L0800	–	•
Birr Castle	Co	Co	Co	Co	52	47	34	–	–	–	–	7·3
Holyhead	ORcb	bbc	bbcco	ccm	53	43	40	3	–	L0800	–	5·8
Liverpool (Bidston)	bcrbc	b-bc	b-bc		52	37	33	3	–	L0800	–	5·1
Chester (Shotwick)	orrmob	bbc	bbcm	cprcm	53	37	29	2	Trace	L0800	0130	5·1
Spurn Head	c	p	form	cbwbc	45	38	*	0·1	Trace	1330	L2100	0·9
Nottingham	or	rr	cb	b	47	34	29	1	–	11·00	–	0·1
Cranwell	ofmor	obcbr	ocm	c	45	36	32	0·5	–	12·30	–	0·8
Gorleston	oo	omro	bbcc	cbcpb	44	37	32	trace	0·3	1630	0330	0·5
Valencia (Cahirciveen)	b.bc	bcb	bbcd	oro	53	47	44	–	4	–	0530	7·1
Roches Point	b	bbee	corr	c	54	46		–	1	–	0530	
Pembroke (St. Ann's H.)	c	b-bc	b-bc	oqe	50	46	•	3	–	11·00	–	4·5
Ross-on-Wye	oroc	bcebbc	bcbw	bcoco	47	38	31	1	–	11·00	–	2·8
Benson	or	bc	bbc	bcwcf	46	33	27	0·4	0·1	13·30	–	•
Andover	bcfor	orro	obm	bmofe	47	33	26	Trace	0·1	11·00	–	0·0
S. Farnborough	oofm	oormm	ocb	bccw	49	34	27	0·3	Trace	14·30	–	6·0
London (Kew Obsy.)	ofwem	omrcm	bmcm wmw	bmwcf eofw	49	39	29	Trace	Trace	13·30	–	0·0
Croydon	ombco	ozmd	bow	owfe	48	37	34	Trace	Trace	L0800		1·4
Clacton-on-Sea	bccom	ogm	ogbxm	bmof	46	39	34	–	–	–	–	1·5
Shoeburyness	bcom	omrg	omcbm	bmx	48	35	28	trace	–	1630	–	1·1
Grain	c	oomp	ocbcb	bcmx	48	36	27	Trace	0·1	1630	–	1·3
Lympne	obom	or	or ccqc	bcamf	46	37	32	0·1	0·1	1630	L2100	3·0
Scilly (St. Mary's)	omrbc	bc	bco	oo	53	46	•	2	–	14·30	–	5·0
Falmouth (Pendennis)	comd	ocbcb	bcom	om	55	44		1	–	L0800	–	3·9
Plymouth (Cattewater)	oddme	ocmcb	b	bor	52	43	34	2	trace	L0800	–	1·3
Portland Bill	omr	mop	c	c	49	41		0·2	–	1230	–	•
Southampton (Calshot)	omo	opmo	cbbcf	bcfcmo	49	41	35	0·1	–	13·30	–	0·0
Dungeness	c	r-d	b-bc	o/pdm	47	41	•	trace	Trace	17·30	0530	•
Jersey	ococo	ocodd	r	oe	49	44		0·2	0·3	1530	L2100	0·3

ISALLOBARS. 6th March, 1923.

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	5th 1000	Cambria	SSW	6	bc	47	47	8
3	6th 0300	Arundel	W	4	bc	48	49	7

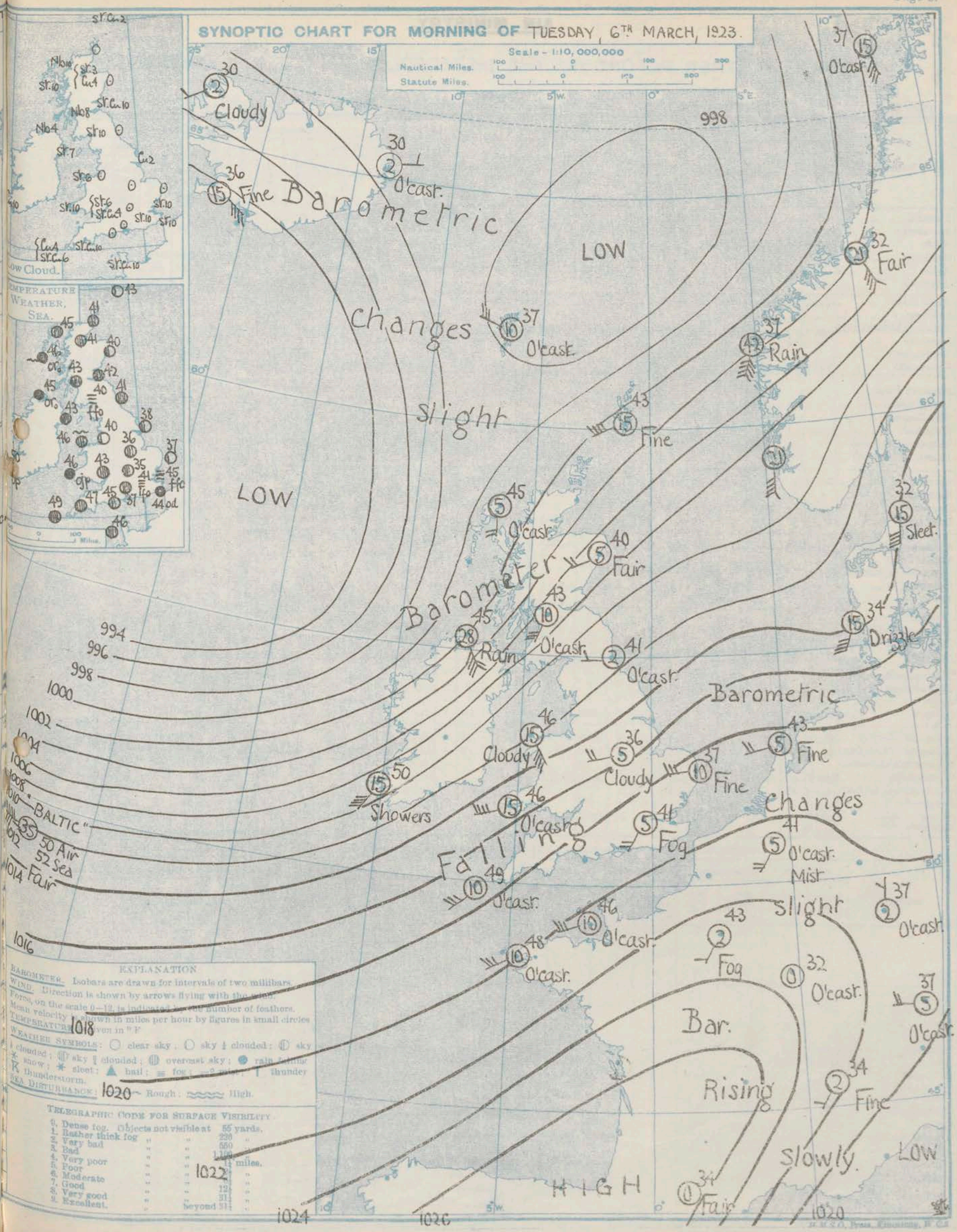
GENERAL INFERENCE.

Pressure continues high over the Continent and low over all the northern part of the North Atlantic. A generally mild and cloudy type of weather with southwesterly winds is probable for the next day or two, with some rain in the North and West and occasional drizzle with considerable fair periods in the Eastern districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 6th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Moderate southwesterly winds; mainly cloudy, with drizzle at times locally at first, but considerable fair periods later; visibility poor to moderate; rather mild.	Generally unsettled and rather mild but fair periods in the South. --- ▼ South Cone still flying. ---
5. S.W. England 6. South Wales 7. North Wales	Moderate or fresh southwesterly to westerly winds; mainly cloudy at first with occasional light rain or drizzle, considerable fair periods later; visibility moderate to good; rather 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	Moderate or fresh southwesterly to westerly winds; cloudy, with some rain or drizzle at first, considerable fair periods later; visibility moderate; rather mild.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0820 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF TUESDAY, 6TH MARCH, 1923.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Low Cloud.
Temperature
Weather.
Sea.
Cloudy
Fine
Barometric
LOW
O'cast.
Changes
slight
Rain
Fair
Sleet.
Drizzle
Showers
Falling
Fog
Mist
Bar.
Rising
Slowly.
HIGH
"BALTIC"
50 Air
52 Sea
Fair
998
994
996
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
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 °F.
Weather Symbols: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain; snow; sleet; hail; fog; thunder; thunderstorm.
Sea Disturbance: Rough; High.
Telegraphic Code for Surface Visibility
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1100 "
4. Very poor " " 2½ miles.
5. Poor " " 5½ "
6. Moderate " " 12½ "
7. Good " " 31½ "
8. Very good " " 31½ "
9. Excellent. " Beyond 31½ "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. TUESDAY 6th MARCH 1923. No. 65

Observations at 0100 G.M.T. 6th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1001·7	0	WSW	4	bc+	44	92	7	7200	StCu	2	a.Cu	6	•
Stornoway	1006·9	0	W	4	0	•	•	5	•	•	•	•	•	•
Wick	1005·0	+2	W	2	b	40	92	8	-	-	0	-	0	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1010·4	-2	SSW	4	c/r	43	92	8	5700	Nb	4	Ci Cu	7	•
Renfrew	•	•	•	•	•	•	•	•		•	•	•	•	•
Edinburgh (Inchkeith)	1011·1	+3	WSW	4	0 ⊍	43	92	7	-	CuNb	7	Ci Cu	9	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1013·1	+2	W	3	bc+	43	85	7	-	-	0	a.Cu	5	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1016·5	-1	SW'S	4	c ⊍	45	85	8	4000	StCu	3	a.St	8	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1016·9	0	WSW	4	0+	41	92	5	4000	StCu	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Cranwell	1018·2	+1	SW'W	3	c	40	92	5	-	-	0	a.Cu	8	*
Gorleston	1018·8	0	WSW	2	c+	40	97	6	2500	St	4	Ci Cu	7	•
Valencia (Cahirciveen)	1014·1	-7	SW	4	bcd-	49	92	5	-	CuNb	5	-	5	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1019·2	-1	W	4	bc	45	97	7	-	-	0	Ci	5	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	1020·4	0	S'W	3	0+	41	97	7	-	-	0	Ci St	9	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1019·6	0	W'N	3	bc	34	92	5	1500	StCu	4	-	4	•
Scilly (St. Mary's) ...	1021·0	-1	-	0	0	47	97	7	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1022·1	0	WNW	2	mo-	45	97	5	2500	St	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1019·5	0	SW	3	c	44	92	6	2500	StCu	7	-	7	•
Southampton (Calshot)	1020·9	0	-	0	fbc+	42	97	3	-	-	0	Ci St	6	•
Dungeness	1020·1	0	SW	2	b	42	97	7	-	-	0	-	0	•
Jersey (7h)	1022·3	-2	WSW	3	od.	47	97	6	5700	Nb	10	-	10	•
Guernsey (1h)														

Observations at 0700 G.M.T. 6th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1007·5	0	WSW	4	b	43	92	7	5700	StCu	2	-	2	3
Stornoway	1000·7	-5	S	2	0	45	92	6	800	Nb	10	-	10	1
Wick	1003·0	-2	SSW	2	c	41	97	8	-	-	0	a.Cu	7	0
Castlebay	1000·9	-5	SSE	5	0+	46	92	6	800	St	10	-	10	6
Nairn	1003·7	•	-	0	c	41	75	8	1500	Cu	7	-	7	•
Aberdeen	1007·2	-2	SW	2	bc	40	85	6	-	-	0	a.Cu	4	0
Malin Head	1001·9	-6	SSE	6	0+	45	92	7	5700	Nb	4	a.St	10	4
Renfrew	1007·6	-5	SSW	3	0/r	43	92	6	1500	Nb	8	a.St	10	•
Edinburgh (Inchkeith)	1008·1	-3	SSE	3	0+	42	92	8	-	StCu	10	-	10	2
Leuchars	1007·6	-3	SSW	3	0	41	92	7	2500	StCu	8	a.St	10	•
Eskdalemuir	1010·3	-4	S	3	FFo	40	97	1	2150	St	10	-	10	•
Tynemouth	1011·5	-1	W	1	0	41	92	6	-	-	0	a.St	10	0
Blacksod Point ...	1002·4	-2	SW'W	5	cf	49	75	3	-	CuNb	8	-	8	5
Donaghadee	1009·5	-3	SW	3	0+	43	85	7	1500	St	7	a.Cu	9	2
Birr Castle	1007·7	•	SE	2	0+	47	85	7	1500	Cu	7	-	7	•
Holyhead	1011·5	-6	S'E	4	c+	46	97	6	800	St	6	a.St	8	3
Liverpool (Bidston) ...	1013·5	-3	SSE	3	b+	40	92	7	-	-	0	a.Cu	3	3
Chester (Shotwick) ...	1014·6	-2	SSE	3	0	39	92	6	1500	St	6	Ci	9	•
Spurn Head	1016·0	0	SW'S	3	bc	38	97	5	4000	Cu	2	Ci	4	2
Nottingham	1015·9	-3	WSW	2	c	36	97	6	-	-	0	Ci Cu	8	*
Cranwell	1017·0	-2	SW'S	2	c	36	97	6	5700	StCu	1	Ci Cu	8	•
Gorleston	1018·8	0	WSW	3	b-	37	92	6	-	-	0	Ci St	3	0
Valencia (Cahirciveen)	1008·4	-2	SW	4	0/r	50	92	7	1500	Cu	10	-	10	4
Roches Point	1010·1	-6	WSW	4	0/r	48	97	5	1500	Nb	10	-	10	6
Pembroke (St. Ann's H.)	1015·0	-4	WSW	4	0/r	46	97	7	2500	St	10	-	10	4
Ross-on-Wye	1016·5	-4	SSW	2	0+	43	92	7	2500	St	10	-	10	•
Benson...	1018·4	-2	-	0	c	35	97	6	-	-	0	a.Cu	7	•
Andover	1019·1	-1	-	0	FFo	35	97	1	2150	St	10	-	10	•
S. Farnborough ...	1019·0	-2	SW'W	2	0+	37	97	6	-	-	0	a.Cu	9	•
London (Kew Obsy.) ...	1018·8	-1	SSW	2	0/r	41	97	2	2125	St	10	-	10	•
Croydon	1019·1	-2	S'E	3	FFo	38	97	2	2150	St	10	-	10	•
Clacton-on-Sea ...	1018·3	0	WSW	2	FFo	45	97	1	2150	St	10	-	10	0
Shoeburyness	1018·8	-1	SW	2	fb-	39	85	3	-	-	0	Ci St	3	•
Grain	1019·0	-1	SSW	3	mb	38	97	5	-	-	0	Ci St	2	0
Lympne	1019·7	0	WSW	1	Fof	38	97	1	2150	St	10	-	10	•
Scilly (St. Mary's) ...	1017·6	-3	SW	3	0	49	92	7	4000	StCu	10	-	10	3
Falmouth (Pendennis)	1017·5	-4	SW	4	0	47	97	6	4000	StCu	10	-	10	0
Plymouth (Cattewater)	1018·2	-3	WSW	3	0	48	97	7	800	St	10	-	10	0
Portland Bill	1018·6	-2	SW	3	bc-	45	92	7	-	-	0	a.Cu	5	3
Southampton (Calshot)	1018·9	-2	SW	2	0	43	97	6	1500	StCu	4	a.Cu	10	0
Dungeness	1019·3	-1	SW	3	od.	44	92	7	1500	St	10	-	10	3
Jersey (7h)	1020·1	0	WSW	3	0/f	46	97	7	2500	StCu	10	-	10	3
Guernsey (1h)														

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 4th-5th °F.	Temperature. Max. Day. 5th °F.	Rainfall.† Night 17h.-9h. 4th-5th mm.	Rainfall.† Day 9h.-17h. 5th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 5th hr.
Montrose	*	*	39	49	0·3	3		1·3
Llandudno	cbc	bcc	36	52	0·1	-		5·4
Colwyn Bay ...	doc	bc	36	54	1	-		6·3
Rhyl...	cbc	bc	34	54	2	-		5·7
Southport	roc	bcb	33	51	1	1		3·8
Blackpool	orcbc	bc	34	50	2	1		3·6
Ilkley	xodo	phbcb	26	49	-	2		0·5
Harrogate	op	ob	32	48	0·2	1		1·9
Skegness	o	ob	37	45	-	-		0·1
Aberystwyth ...	rcb	b	38	50	2	-		4·3
Bath	od	docbc	30	49	-	0·3		1·3
Leamington Spa ...	or	ocbbc	32	46	-	0·3		0·0
Lowestoft	oco	od	37	46	-	-		0·2
Felixstowe	o3bc	omd.	33	45	-	-		1·2
Southend	oco	ooe	37	47	-	-		0·7
Paignton	ordc	bc	33	52	-	1		1·3
Ilfracombe	odc	cbcb	39	50	1	?		1·1
Bude	cbccr	roc	33	52	2	0·1		2·2
Penzance	ord	bcq	37	56	2	1		4·4
Torquay	p	-	37	53	-	0·1		1·6
Weymouth	od	dc	32	49	-	1		0·5
Bournemouth ...	o	o	30	48	-	-		0·0
Portsmouth (S'thsea)	co	oro	36	49	-	Trace		0·0
Worthing	o	o	36	49	-	-		0·0
Brighton	o	o	30	49	-	-		0·3
Eastbourne	bcc	or	33	48	-	Trace		2·2
Hastings	b.bco	o	35	47	-	-		2·8
Folkestone	bc	bc	35	47	-	-		2·8
Tunbridge Wells ...	bco	o	33	48	-	-		1·5
Ramsgate	bc	bbc	37	47	-	-		2·8
Margate	bcc	o	39	47	-	-		3·1
Deal	bcb	bcco	37	46	-	-		3·0

* Information for these stations not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22385 WEDNESDAY, 7th MARCH, 1923. Page 1.

Observations at 1300 G.M.T. 6th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1001·6	0	SW	4	o+	44	92	7	–	–	0	ASt	10	*
Stornoway	995·5	-6	SSW	3	c/r	48	85	6	4000	Nb	8	–	8	*
Wick	998·8	-3	SSW	2	or₀	44	97	8	2500	Nb	10	–	10	*
Castlebay														*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1002·6	-5	S	3	o/r	44	85	5	1500	St	10	–	10	1
Malin Head	999·8	-2	SW	5	cpr₀	49	75	8	5700	Nb	8	–	8	*
Renfrew	1002·4	-4	SW	4	or₀r₀	46	85	6	1500	Nb	10	–	10	2
Edinburgh (Inchkeith)	1002·2	-6	SW	4	or₀	47	85	8	–	St	2	ASt	10	*
Leuchars	1002·2	-6	SSW	4	o	48	85	7	2500	StCu	6	ASt	10	0
Eskdalemuir	1003·9	-6	SSW	6	orr	42	92	5	450	Nb	10	–	10	2
Tynemouth	1007·4	-4	S	3	o	45	85	6	–	–	0	ASt	10	*
Blacksod Point	997·7	-1	W	7	op d	47	75	7	<150	Nb	7	–	7	*
Donaghadee	1005·0	-3	SW	1	b/r	50	75	8	–	–	0	ACu	3	*
Birr Castle	1006·4	*	W	2	c/r	52	65	8	4000	StCu	8	–	8	*
Holyhead	1006·5	-5	SSW	4	c/r	46	85	7	2500	StCu	8	–	8	2
Liverpool (Bidston)	1007·4	-5	SSW	3	o/r	46	85	7	1500	Nb	10	–	10	*
Chester (Shotwick)	1008·4	-7	SSW	4	orr	48	75	6	1500	Nb	8	ASt	10	2
Spurn Head	1011·2	-5	SW/S	5	ojp	48	75	5	1500	Nb	5	ASt	10	*
Nottingham	1010·4	-5	SW	4	o	47	85	7	1500	StCu	6	ASt	10	*
Cranwell	1011·8	-6	SSW	4	o	48	75	7	1500	StCu	8	ACu	10	0
[illegible]leston	1015·4	-3	SW	4	c+	48	75	6	–	–	0	CiSt	8	*
Valencia (Cahirciveen)	1009·3	+1	WSW	5	b·	50	75	7	2500	StCu	3	–	3	2
Roches Point	1008·8	o	W	4	bc	52	75	8	4000	CuNb	4	–	4	*
Pembroke (St. Ann's H.)	1009·3	-5	SW/W	5	o/r	47	92	7	2500	Nb	10	–	10	*
Ross-on-Wye	1010·8	-6	S	3	ojp	48	85	7	2500	Nb	9	ASt	10	0
Benson	1012·1	-7	SW	5	o	49	75	8	*	Cu	9	–	9	1
Andover	1014·0	-4	SSW	5	o	50	75	8	1500	StCu	10	–	10	1
S. Farnborough	1013·9	-7	SW	3	o	50	75	7	2500	StCu	10	–	10	1
London (Kew Obsy.)	1013·7	-8	SSW	4	o	51	75	6	2500	StCu	8	ASt	10	1
Croydon	1013·6	-8	SSW	4	o	50	75	7	2500	StCu	9	ASt	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1014·5	-4	WSW	4	bc/f	51	75	7	–	–	0	CiSt	4	*
Grain	1014·7	-4	SSW	5	o	51	75	8	2500	St	2	ASt	10	1
Lympne	1016·0	-6	SW	6	o/f	47	85	8	800	St	7	ACu	10	1
Scilly (St. Mary's)	1013·3	-4	W	5	bc/r	50	92	7	4000	CuNb	5	–	5	*
Falmouth (Pendennis)	1012·4	-7	WSW	6	or₀+	49	97	5	450	Nb	10	–	10	*
Plymouth (Cattewater)	1012·5	-7	SSW	4	oDD	48	97	5	<150	Nb	10	–	10	2
Portland Bill	1015·0	-8	SW	5	o+	49	92	6	–	–	0	ASt	10	*
Southampton (Calshot)	1015·0	-5	S	5	o	48	85	7	1500	St	10	–	10	0
Dungeness	1016·1	-4	SW	5	ojp	49	85	7	1500	St	10	–	10	*
Jersey	1017·1	-1	S	3	c/r	52	92	7	4000	StCu	7	–	7	*

Observations at 1800 G.M.T. 6th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	999·4	-3	SSW	4	ojp	43	92	6	4000	Nb	2	ASt	10	3
Stornoway	992·2	-4	SSW	4	o	46	92	6	800	St	10	·	10	3
Wick	996·3	-3	SSW	2	c	43	92	8	–	·	0	Ci	8	0
Castlebay	992·5	-6	S	5	oPR	47	85	6	800	Nb	10	–	10	7
Nairn	995·8	*	SW/S	3	bc-	46	75	8	4000	Cu	4	ACu	6	*
Aberdeen	999·2	-3	SSW	2	b-	43	92	4	–	–	0	ACu	2	0
Malin Head	997·4	-3	SW/W	6	cpr₀	47	75	7	5700	Nb	3	ACu	8	5
Renfrew	1000·0	-3	SW	3	c	45	85	6	4000	StCu	8	·	8	*
Edinburgh (Inchkeith)	1000·1	-2	WSW	4	c-	46	85	7	*	St	5	ACu	7	3
Leuchars	999·6	-2	SW	3	c	45	85	6	4000	StCu	5	Ci	7	*
Eskdalemuir	1002·0	-2	SW	4	o	43	85	7	800	StCu	10	·	10	*
Tynemouth	1003·1	-4	WSW	2	c/r	44	92	5	4000	CuNb	4	ACu	7	0
Blacksod Point														
Donaghadee	1003·0	-2	W	2	bc-	49	75	8	4000	Cu	4	·	4	!
Birr Castle	1005·5	*	W	4	c/r	47	75	8	4000	StCu	7	–	7	*
Holyhead	1005·9	-1	SW/S	4	bc/r	46	85	7	4000	StCu	4	ASt	5	3
Liverpool (Bidston)	1005·3	-1	SW/W	3	b/r	45	85	8	2500	Cu	2	CiSt	3	3
Chester (Shotwick)	1006·1	0	SW	3	bc	47	75	8	2500	StCu	4	·	4	*
Spurn Head	1006·0	-5	S	3	or₀r₀	43	92	6	1500	Nb	10	·	10	3
Nottingham	1006·3	-4	W	2	b/r	46	92	5	2500	Nb	1	Ci	2	*
Cranwell	1007·2	-4	S	3	or₀r₀	44	97	6	800	Nb	10	·	10	!
[illegible]leston	1009·9	-4	SW/S	3	o	47	85	6	–	·	0	ASt	10	!
Valencia (Cahirciveen)	1009·5	0	WSW	5	cpr₀	49	75	7	2500	StCu	7	–	7	6
Roches Point	1009·0	0	W	4	bc	49	65	8	4000	CuNb	4	–	4	3
Pembroke (St. Ann's H.)	1009·5	0	WSW	5	b	48	85	7	4000	Cu	3	·	3	4
Ross-on-Wye	1008·3	-2	SW	2	b-	45	85	8	2500	Nb	1	·	1	*
Benson	1008·7	-5	WSW	3	bc	47	92	8	*	StCu	5	·	5	*
Andover	1009·3	-5	WSW	4	c/r	44	85	8	1500	StCu	7	·	7	*
S. Farnborough	1009·0	-7	SW/W	3	o/r	47	97	8	800	Nb	8	ACu	9	*
London (Kew Obsy.)	1008·8	-7	SSW	3	odd	47	85	6	2500	Nb	10	·	10	*
Croydon	1009·7	-5	S	4	or₀r₀	46	92	6	800	Nb	9	ASt	10	*
Clacton-on-Sea	1010·1	-3	S	3	o	46	85	7	2500	St	10	·	10	!
Shoeburyness	1010·7	-5	SW	4	or	46	92	7	800	St	10	·	10	*
Grain	1010·2	-5	SSW	4	or	46	92	7	2500	St	10	·	10	0
Lympne	1011·2	-5	SW	5	o/r	47	97	6	450	Nb	10	·	10	*
Scilly (St. Mary's)	1013·5	0	W	5	c+	49	85	7	4000	StCu	5	Ci	8	5
Falmouth (Pendennis)	1013·5	+2	W	5	c/r	49	85	7	2500	Cu	3	Ci	7	1
Plymouth (Cattewater)	1012·0	+1	W/N	3	bc	49	85	6	1500	StCu	1	CiSt	4	1
Portland Bill	1010·3	-5	WNW	5	bc-	49	92	6	–	–	0	CiCu	4	6
Southampton (Calshot)	1010·0	-4	WSW	3	b-	47	97	7	2500	CuNb	2	·	2	0
Dungeness	1010·5	-6	SW	4	orr	48	97	8	1500	Nb	10	·	10	4
Jersey	1013·6	-2	WSW	4	o/r	51	85	7	2500	StCu	10	·	10	3

LONDON OBSERVATIONS

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
	24 Hours ended 0900 G.M.T. 7th										
Kew (24 hours ended 0700)	of w om	otoradm	bobbc	*	*	35	1	1	0·2	*	*
Croydon (24 hours ended 0700)	of m	od r₀	orradyr	*	*	38	1	1	0·8	*	*
Greenwich (Royal Obsy.)	o	ord	bo/d	53	40	33	2	1	0·3	69	84
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James' Pk.)	*	*	*	52	40	32	1·9		0·2	68	86
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*		*	*
Camden Square	o	or	*	51	39	36	0·3	-	*	*	86
Kensington Palace	oc	or	*	51	39	33	1	1	*	89 (18h)	86
Hampstead Observatory	*	*	*	49	39	32	1	0·3	0·1	*	90

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 1800 G.M.T. 6th

Station	Max.	Time.	Min.	Time.
South Kensington	1·8 / 1·3	20h.5th / 9h.6th	<0·3	1-3.6th
Kew Observatory	1·0 / 1·0	20h.5th / 9h.6th	<0·3	1-3h.6th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 6th 18 h 45 m. to 7th 05 h 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	10 15	09 48	91
β Ursae Minoris	10 15	09 36	90

CODE FOR STATE OF GROUND.
0 – Dry ground.
1 – Wet ground.
2 – Soft (muddy) wet ground.
3 – Bare ground frozen (but less than 2 ins. deep.
4 – Bare ground frozen (but more than 2 ins. deep.
5 – Dew (or wet grass but not wet ground).
6 – Skating today in 1300 & 1800 reports (Hoar frost in 0400 and 0700 reports).
7 – Snow thin layer, often not continuous.
8 – Snow (deep) covering traffic, usually a continuous layer.
9 – Glazed roads due to roads frozen from rain or melted snow.

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.				
18h.	C_1C_2	6	3	165
01h.	C	5		160
07h.	C	5		140

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 7th & 8th MARCH, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·29 / 6·26	12·4 / 12·4	5·39 / 5·41
Greenwich	6·35 / 6·33	12·11 / 12·11	5·47 / 5·49
Wick	6·54 / 6·51	12·23 / 12·23	5·52 / 5·54
Valencia	7·17 / 7·15	12·52 / 12·52	6·28 / 6·30

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
r_or_o = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

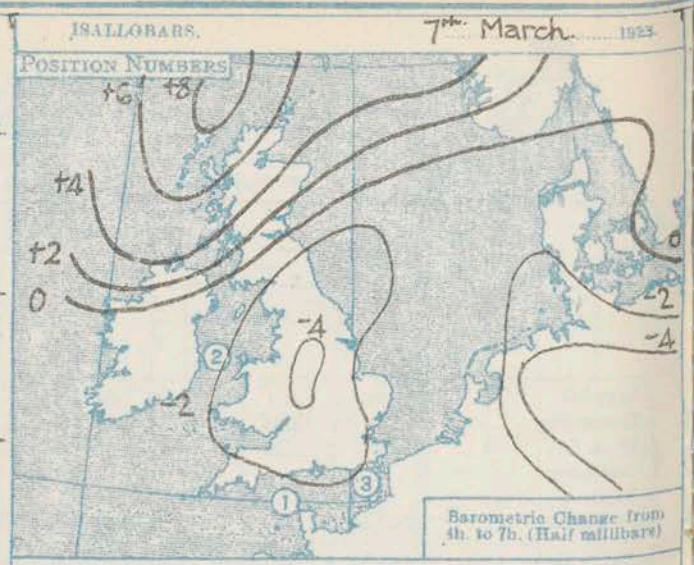
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0 = no swell, 1 = mod. swell, 2 = heavy swell } Calm or slight sea.
3 = no swell, 4 = mod. swell, 5 = heavy swell } Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 5.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-13h. 6th	Weather. 13h.-18h. 6th	Weather. 18h. 6th to 18h. 7th	Weather. 18h.-7h. 7th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun. 6th Hours
Lerwick	oo	o	↑	om	45	41	*	-	1	-	≤2100	2·1
Stornoway	r-d	oo	↑	bc	49	40	*	2	1	-	-	1·7
Wick	oir	oo	b-bc	c	46	40	*	0·2	Trace	0900	≤2400	*
Castlebay	o	ococp	c	proc	48	44	*	2	3	1630	-	2·8
Nairn	cobcq	bccq	cq×	cq	50	34	*	-	-	-	-	2·5
Aberdeen	omro	proc	b	opro	45	37	29	0·2	0·1	11·00	0330	0·2
Malin Head	pro	pro	PR	PR	50	44	*	1	6	≤0800	≤2100	4·9
Renfrew	odrr	opc	coiR	oiR	50	41	36	3	6	≤0800	≤2100	1·7
Edinburgh (Inchkeith)	oir	c	c	co	48	42	39	-	-	*	-	1·0
Leuchars	op.oo	obem	cbo	or	49	40	31	0·1	0·4	0900	-	0·9
Eskdalemuir	omerm	ormo	copr	oirod	45	39	37	6	5	11·00	≤2100	0·0
Tynemouth	om	oirm	bcm	om	46	40	33	1	-	13·30	-	*
Blackaod Point							*					*
Donaghadee	bep	bephr	cp	cqp	51	42	*	2	1	0900	≤2100	*
Birr Castle	co	cohrq	coir	owur	53	47	39	4	1	≤0800	≤2100	5·4
Holyhead	omrR	cocor	bbccq	coo	49	44	41	5	-	0900	-	2·2
Liverpool (Bidston)	bcop	ocb	bop		49	40	34	2	1	1430	0430	1·3
Chester (Sbotwick)	ocrrm	orbc	bbm	bomrm	52	44	38	0.4	1	1230	0430	1·9
Spurn Head	c	r-d	rbbc	c	48	38	*	2	Trace	1630	0430	1·7
Nottingham	oo	rr	bc	oo	48	38	34	4	0·3	1330	0630	0·1
Cranwell	coo	orr	bm	pro	49	39	36	2	0·3	1530	≤2100	1·0
Gorleston	bbccq	c	robcb	bbcc	49	39	32	3	4	≤0800	≤2100	3·4
Valencia (Cahirciveen)	bcopb	bopc	poq					1		1100		
Roches Point	bc	bepbc	bpcc	bbch	53	44	2	0·2		1430	≤2100	
Pembroke (St. Ann's H.)	oqrpo	c	c	cq	49	46	*	3	-	0900	-	3·4
Ross-on-Wye	oo	rrcb	bw	bbco	49	41	35	3	0·1	1330	-	1·6
Benson	mo	pobc	bcb	bcp.o	50	37	31	1	0·3	1430	0430	*
Andover	ofco	orrbc	cbcb	bor	51	40	36	2	Trace	1430	-	0·7
S. Farnborough	oo	ooir	ro.b	bc	50	38	31	2	0·2	1430	≤2100	0·0
London (Kew Obsy.)	ofwom	orormo	codmobl	boPbcm	51	40	35	1	1	1530	0530	0·2
Croydon	ofm	odrm	rrbw	bodw	51	41	38	1	1	1630	≤2100	0·8
Clacton-on-Sea	ofcz	czo	oqrd	oqbcm	48	39	34	-	3	-	2200	0·7
Shoeburyness	ombc	bccoir	bc	qbbcmo	52	39	35	1	1	1730	≤2100	1·7
Grain	bmxco	oolr	orrbb	bbbc	52	37	29	1	1	1630	≤2100	1·7
Lympne	ocofm	opr	orc	bwm	49	37	33	0·1	0·6	1730	≤2100	0·2
Scilly (St. Mary's)	ombc	bcc	bc	bcqp	51	45	*	2	1	≤0800	0230	1·4
Falmouth (Pendennis)	ompr	ocmr	bcpq	bq	53	46	*	2	0·2	11·00	≤2100	2·0
Plymouth (Cattewater)	ordm	odmo	bcop	op	52	46	41	1	0·2	1230	-	2·0
Portland Bill	co	ocbc	bcc	cbc	50	42	*	-	-	-	-	*
Southampton (Calshot)	oo	orrcbc	b	b	50	43	40	1	-	1530	-	0·1
Dungeness	oo	oo	p	b-bc	50	43	*	0·1	1	1730	≤2100	*
Jersey	odc	coid	↑	oidrb	54	45	*	1	3	0900	2200	2·3



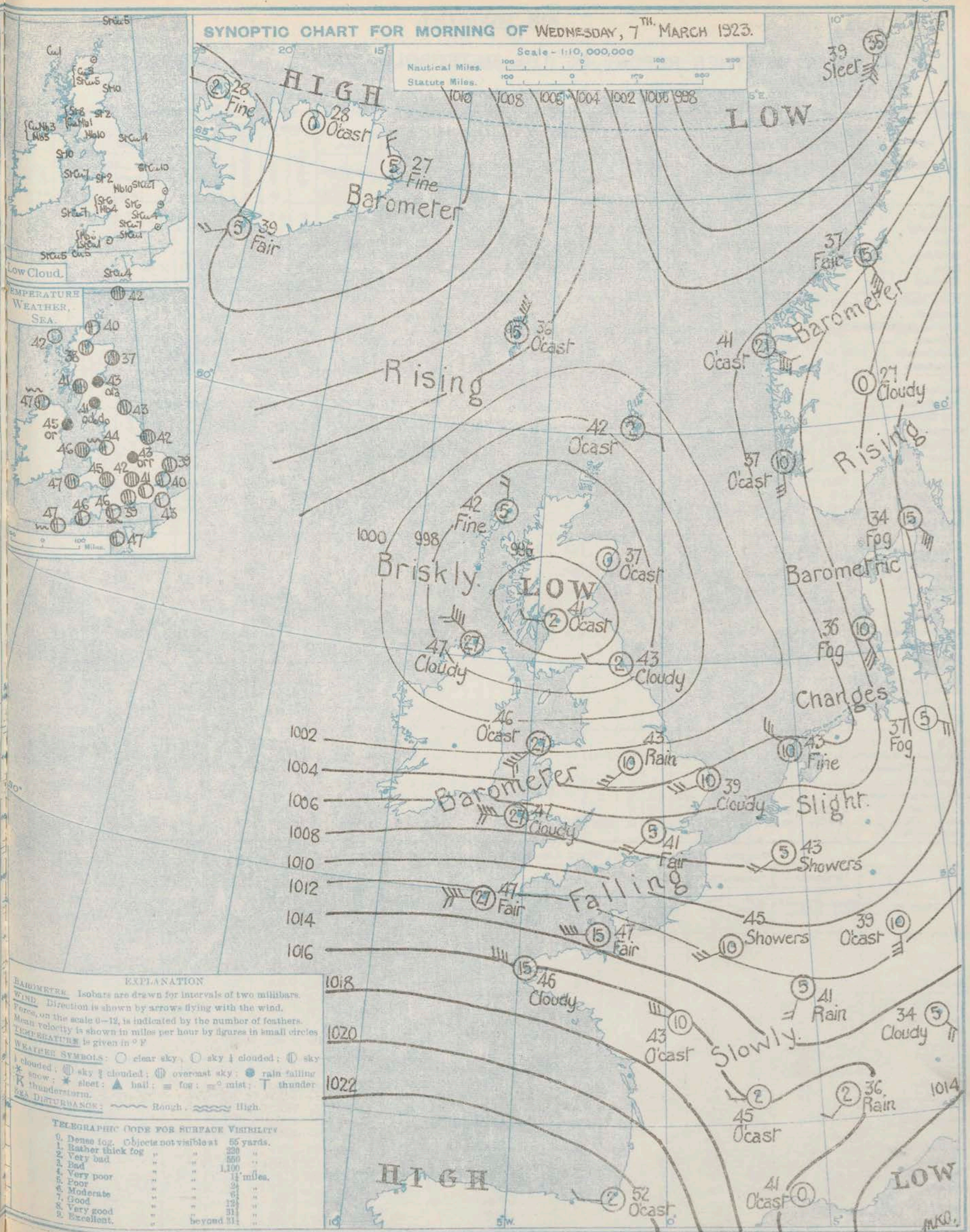
Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	6th 1000	Cambria	S	5	od	48	47	5
1	6th 1200		WSW	4	b	49	49	7
3	7th 0300	Dieppe	W	5	o	48	48	7

GENERAL INFERENCE.

The depression over Scotla is likely to pass away to the Continent and be replaced by a ridge of high pressure over tl British Isles. Local showers will be followed by generally fine quiet weather with frost and fog at night at most places inland.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 7th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Moderate to fresh SW. to W. wind, becoming light and indefinite; occasional showers, with considerable bright intervals, then fine, with fog and slight frost at night.	Becoming unsettled again.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Moderate or fresh Northwesterly winds, strong at first in exposed places, becoming light; occasional showers with considerable bright intervals, then generally fine and bright; visibility good apart from morning mist; moderate day temperature, slight frost inland at night.	
10. N.E. England	Wind light and indefinite; showery at first, then fine, with frost and fog inland at night.	
11. E. Scotland 12. S.W. Scotland	Wind light and indefinite; fine; frost inland at night with fog in places; visibility good and temperature moderate during the day.	
13. Isle of Man	Same as 4 - 9.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Same as 11 - 12.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as 4 - 9.	


SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 7TH. MARCH 1923.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
LOW
Rising
Barometer
Briskly.
Falling
Slowly.
Changes
Slight.
Low Cloud.
TEMPERATURE
WEATHER.
SEA.
EXPLANATION
BAROMETRE. 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 °F
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough. High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles.
5. Poor " " 2½ "
6. Moderate " " 6½ "
7. Good " " 12½ "
8. Very good " " 31 "
9. Excellent. " beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. WEDNESDAY, 7th MARCH 1923. No. 66

Observations at 0100 G.M.T. 7th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	998·5	0	-	0	D	43	92	7	-	-	0	a.St	10	*
Stornoway	992·0	-2	SW	5	[illegible]	*	*	4	*	*	*	*	*	*
Wick	994·5	-1	S	2	cd+	42	97	8	2500	Nb	6	a.Cu	8	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	993·4	-1	WSW	7	cPR	47	85	7	5700	CuNb	5	ciSt	8	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	996·5	-4	SSW	4	0+	42	97	8	-	St	3	a.Cu	9	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1001·1	-1	SW	1	bc+	42	85	6	-	Cu	4	-	4	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1004·4	-1	SSW	4	c+	46	85	8	2500	StCu	8	-	8	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1004·1	-1	SW	4	bc	40	97	5	-	-	0	Ci	4	*
Nottingham	x	x	x	x	x	x	x	x	x	x	x	x	x	*
Cranwell	1006·2	-1	SW	3	b	40	92	6	-	-	0	-	0	*
Gorleston	1007·4	0	W'S	1	b	41	92	7	-	-	0	-	0	*
Valencia (Cahirciveen)	1009·7	+1	W	7	cd	48	85	7	-	St	8	-	8	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1008·9	0	W	5	c+	47	75	8	2500	StCu	8	-	8	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1009·5	0	SW	3	b/r	43	92	7	-	-	0	-	0	*
Cleeton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1009·3	+1	W'N	3	b	40	97	7	-	-	0	-	0	*
Scilly (St. Mary's) ...	1013·6	0	W'N	5	b	48	85	7	-	-	0	Ci	2	*
Falmouth (Pendennis)	1013·2	0	W	5	bcPR	47	85	7	2500	Cu	4	Ci	6	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1010·1	-1	W	6	bc/r	46	85	7	1500	StCu	6	-	6	*
Southampton (Calshot)	1010·5	0	SW	3	b	43	92	7	-	-	0	-	0	*
Dungeness	1009·3	+1	WSW	3	b	43	97	8	-	-	0	-	0	*
Jersey 7h }	1014·2	+1	WSW	5	c/r	47	85	6	5700	StCu	2	a.St	8	*
Guernsey 1h }														

Observations at 0700 G.M.T. 7th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1001·0	+5	ESE	1	0	42	92	6	5700	StCu	5	a.St	10	0
Stornoway	997·9	+8	N	2	b-	42	92	7	4000	Cu	1	-	1	1
Wick	997·2	+5	NNW	1	bc	40	97	8	-	-	0	a.St	6	0
Castlebay	997·8	+10	SW	3	bc+	45	92	7	1500	St	4	-	4	4
Nairn	997·1	*	SW	1	c+	38	92	8	1500	StCu	8	-	8	*
Aberdeen	996·8	+3	-	0	0	37	97	6	1500	St	10	-	10	0
Malin Head	997·6	+4	NW	6	c/r	47	85	8	4000	Nb	8	-	8	7
Renfrew	994·3	+1	W	1	o/r	41	97	6	2500	St	9	-	9	*
Edinburgh (Inchkeith)	994·6	-1	S	3	o/r	43	92	8	-	St	2	a.St	10	*
Leuchars	995·1	0	SE	1	o/r	41	[illegible]	7	1500	StCu	10	-	10	*
Eskdalemuir	995·3	-2	SW	4	odd	41	92	6	800	Nb	10	-	10	*
Tynemouth	997·7	-3	W	1	c-	43	85	5	4000	StCu	4	a.St	7	0
Blacksod Point ...														
Donaghadee	998·1	-1	SW	5	o/r	46	85	7	1500	St	10	-	10	3
Birr Castle	1006·5	*	W	4	c/r	45	92	7	2500	Cu	8	-	8	*
Holyhead	1001·7	-2	SW'W	6	b-	46	85	8	4000	StCu	7	a.Cu	9	5
Liverpool (Bidston) ...	1000·5	-2	SW	6	bc/r	44	85	8	2500	St	2	a.St	5	6
Chester (Shotwick) ...	1001·9	-2	W'S	4	o/r	45	85	6	1500	St	8	Ci	9	
Spurn Head	1001·5	-2	SW	4	o+	42	92	5	4000	StCu	10	-	10	?
Nottingham	1002·9	-4	SW	3	o/r	43	85	7	1500	Nb	10	-	10	*
Cranwell	1003·0	-3	SW	4	o	41	92	7	4000	StCu	7	a.St	10	*
Gorleston	1005·9	-1	WSW	3	c+	39	97	6	-	-	0	a.Cu	7	1
Valencia (Cahirciveen)	1010·5	+1	NW	4	c+	44	92	8	4000	StCu	7	-	7	3
Roches Point	1007·3	-2	W	6	c	47	75	8	4000	StCu	7	-	7	4
Pembroke (St. Ann's H.)	1005·7	-3	W'S	3	o	45	75	5	2500	St	10	-	10	*
Ross-on-Wye	1006·3	-1	WSW	2	o	42	92	7	2500	St	6	a.St	10	*
Benson														
Andover	1007·4	-3	SW'S	4	o/r	41	97	7	1500	Nb	6	a.St	9	*
S. Farnborough ...	1007·0	-3	SW	3	c+	39	85	8	1500	StCu	7	-	7	*
London (Kew Obsy.) ...	1007·0	-2	SW	2	bc+	41	92	6	2500	StCu	4	a.St	5	*
Croydon	1007·3	-2	SW'S	3	b/r	41	92	7	-	-	0	a.Cu	1	*
Cleeton-on-Sea ...	1005·9	-2	SSW	3	bc	40	97	6	-	-	0	a.St	4	1
Shoeburyness	1006·6	-2	SW	1	mbc-	41	85	6	4000	StCu	2	Ci.Cu	4	*
Grain	1007·0	-2	SW	4	bc	42	92	6	4000	StCu	5	-	5	
Lympne	1007·4	-2	W	3	bc+	38	97	6	4000	StCu	3	Ci.St	4	*
Scilly (St. Mary's) ...	1013·2	-1	W'N	6	bc	47	85	7	4000	StCu	5	-	5	6
Falmouth (Pendennis)	1011·9	-1	W	5	bc+	46	85	8	2500	Cu	5	-	5	1
Plymouth (Cattewater)	1011·3	0	W	3	o/r	46	92	6	225	Nb	9	-	9	0
Portland Bill	1009·3	-2	W'N	6	bc-	46	92	7	-	-	0	a.Cu	4	6
Southampton (Calshot)	1008·1	-2	SW	4	b	44	85	7	5700	StCu	1	-	1	0
Dungeness	1007·2	-2	WSW	3	b	43	92	7	-	-	0	a.Cu	3	3
Jersey 7h }	1012·1	0	W	4	bc/r	47	92	7	4000	StCu	4	-	4	3
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 6th MARCH

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night 5th to 6th °F.	Temperature. Max. Day. 6th °F.	Rainfall.† Night 17h.-9h. 5th to 6th mm.	Rainfall.† Day 9h.-17h. 6th mm.	Sunshine. Sunrise to Sunset 5th hr.	Sunshine. Sunrise to 17h 6th hr.
Montrose	*	*	37	46	-	1	1·3	0·5
Llandudno	oor	rcbc	40	51	-	1	5·4	2·7
Colwyn Bay ...	bc	bc	42	51	-	-	6·3	2·7
Rhyl	oo	cbc	37	51	-	-	5·7	2·0
Southport	co	orcb	39	47	-	4	3·9	1·9
Blackpool	or	c	41	48	-	5	3·6	1·7
Ilkley	bmco	corc	40	47	-	3	0·0	0·3
Harrogate	op	opc	39	45	-	2	1·9	0·1
Skegness	co	or	35	47	0·3	2	0·1	0·8
Aberystwyth	ror	b	42	49	1	4	3·5	3·5
Bath	bcco	opcbc	37	52	-	2	1·3	1·5
Leamington Spa ...	co	orcb	35	49	-	5	0·0	0·7
Lowestoft	bcbc	occo	36	49	0·3	-	0·2	3·6
Felixstowe	ofc	o	35	49	0·3	-	1·2	0·0
Southend	oc	cor	38	51	-	1	0·7	1·9

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night 5th to 6th °F	Temperature. Max. Day. 6th °F	Rainfall.† Night 17h.-9h. 5th to 6th mm.	Rainfall.† Day 9h.-17h. 6th mm.	Sunshine. Sunrise to Sunset 5th hr.	Sunshine. Sunrise to 17h 6th hr.
Paignton	or	bcorbc	40	53	-	?	0·2	2·9
Ilfracombe	orcp	cbcb	44	51	-	4	1·1	1·9
Bude	copo	cpcbc	42	52	-	4	2·3	2·6
Penzance	odm	bcc	44	53	Trace	3	4·4	1·3
Torquay	c	p	43	53	-	2	1·9	3·0
Weymouth	co	opb	43	51	0·2	1	0·0	0·9
Bournemouth ...	o	o	40	51	-	3	0·0	0·2
Portsmouth (S'thsea)	oc	od	38	50	-	1	0·0	0·1
Worthing ...	oc	o	41	50	-	-	0·0	0·4
Brighton	c	cod	?	49	-	-	0·3	1·0
Eastbourne	coc	r	43	52	1	-	2·2	0·9
Hastings	fmobc	co	42	50	1	-	2·8	0·6
Folkestone	f	c	38	50	-	-	2·8	0·2
Tunbridge Wells ...	oco	oor	38	51	-	Trace	1·5	0·5
Ramsgate	bbco	o	37	49	-	-	2·8	1·1
Margate	bbco	o	39	51	-	-	3·1	1·7
Deal	coo	oo	38	50	-	-	3·0	0·5

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22386 THURSDAY, 8th MARCH. 1923. Page 1.

Observations at 1300 G.M.T. 7th — Observations at 1800 G.M.T. 7th

Stations	1300: Barom. at M.S.L. m.b	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground	1800: Barom. at M.S.L. m.b	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1006·5	+5	NW	2	o+	45	92	6	2500	StCu	10	-	10	•	1010·5	+9	•	0	o	43	97	6	450	St	2	ASt	10	0
Stornoway	1006·4	+9	NNE	4	bc+	48	85	7	4000	Cu	4	-	4	•	1012·6	+6	NNE	3	c/r	45	92	7	4000	Cu	7	•	7	2
Wick	1004·7	+8	NNE	2	o	45	92	7	5400	StCu	9	-	9	•	1009·7	+6	NW	2	o	44	97	7	5700	StCu	10	•	10	0
Castlebay	1006·9	+3	NW	3	bc+	49	85	7	2500	St.	4	-	4	•	1012·2	+4	NNW	3	c+	48	85	8	1500	Nb	5	A St	7	3
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1011·0	•	•	0	c	44	92	8	1500	StCu	8	•	8	•
Aberdeen	1003·4	+4	NE	2	b-	49	85	6	2500	Cu	2	Ci	3	1	1009·0	+7	N	2	o+	45	85	6	1500	St	10	•	10	0
Malin Head	1006·8	+5	NNW	5	b	48	85	8	2500	St	3	-	3	•	1010·9	+4	NNW	4	b	47	92	8	4000	Cu	2	ACu	3	4
Renfrew	1003·0	+8	NNE	3	o	50	75	8	4000	StCu	9	-	9	2	1009·1	+7	NNE	3	bc-	44	75	7	5700	StCu	4	•	4	•
Edinburgh (Inchkeith)	1002·3	+8	NE	3	o	44	92	8	-	StCu	10	-	10	•	1008·5	+8	N	3	opr₀	43	92	7	*	StCu	9	•	9	2
Leuchars	1002·5	+8	NNW	3	o	46	85	7	2500	StCu	10	-	10	1	1008·2	+7	•	0	or₀	43	97	7	2500	StCu	10	•	10	•
Eskdalemuir	1001·0	+6	N	4	o	45	75	8	1500	StCu	10	-	10	2	1008·6	+8	N	3	o/p	41	92	7	1500	CuNb	9	-	9	•
Tynemouth	999·4	+4	E	1	o/r	43	92	4	4000	Nb	4	ACu	8	•	1005·5	+6	N	3	cr₀	43	97	6	4000	Nb	8	•	8	2
Blacksod Point														•	1014·9	-3	NNW	2	bc	48	85	8	*	CuNb	5	•	5	0
Donaghadee	1004·4	+5	NNW	4	bc+	49	85	8	1500	Cu	4	ACu	5	•	1010·1	+5	N	3	b	46	85	8	•	•	0	ACu	2	3
Birr Castle	1010·3	•	NW	2	c	52	65	8	4000	StCu	7	-	7	•	1013·6	•	NW	3	c+	49	75	8	4000	StCu	8	•	8	•
Holyhead	1003·6	+4	NNW	6	c/r	48	85	8	1500	StCu	8	-	8	2	1008·9	+5	NW'N	5	c/r	47	85	8	2500	StCu	8	•	8	6
Liverpool (Bidston)	1000·9	+2	W	6	o/r	45	92	6	1500	Nb	10	-	10	•	1006·8	+7	WNW	5	od₀	45	92	7•	1500	Nb	10	•	10	6
Chester (Shotwick)	1001·2	0	WNW	4	opr₀	50	85	8	1500	St	10	-	10	2	1006·0	+5	WNW	6	o	46	85	7	1500	St	10	•	10	•
Spurn Head	1001·0	0	SSW	2	or₀r₀	40	97	5	2500	Nb	4	ASt	10	•	1003·0	+2	-	0	or₀r₀	43	97	5	1500	Nb	10	-	10	1
Nottingham	1000·9	-2	W	3	o/r	46	85	5	1500	StCu	10	-	10	•	1003·4	+5	NNW	3	o/r	46	92	4	1500	Nb	8	ACu	9	•
Cranwell	1001·4	-2	SW'W	4	opr₀	49	75	7	2500	StCu	6	CiSt	9	1	1002·8	+4	NW'W	3	o/r	44	97	6	2500	St	10	•	10	•
Gorleston	1003·9	-1	SW'S	2	or	45	92	6	4000	Nb	10	-	10	•	1003·6	-1	SSE	2	c	42	97	6	2500	Nb	8	•	8	1
Valencia (Cahirciveen)	1016·1	+2	WNW	5	c-	50	65	8	2500	StCu	5	A-Cu	7	1	1017·5	+2	NW	4	c+	48	75	8	2500	StCu	8	-	8	6
Roches Point	1012·4	+2	NW	5	o	50	85	8	4000	StCu	10	-	10	•	1015·4	+3	NW	3	o	48	85	8	2500	StCu	10		10	8
Pembroke (St. Ann's H.)	1008·4	0	W	6	o	48	85	8	4000	StCu	10	-	10	•	1011·5	+3	W	5	c	49	65	8	4000	StCu	8	•	8	6
Ross-on-Wye	1003·9	-3	W'N	4	o-	50	75	8	4000	StCu	9	-	9	1	1006·1	+3	NW'N	5	o/r	48	75	9	2500	StCu	10	•	10	•
Benson	1003·6	-2	WNW	4	o/r	48	85	7	*	Cu	9	•	9	1	1004·0	+2	NW	2	o/rc	45	97	8	*	Nb	9	•	9	•
Andover	1004·5	-3	W	4	c/r	49	75	8	1500	StCu	6	CiSt	4	1	1004·5	-1	W'N	5	cpr₀	46	92	8	1500	StCu	8	•	8	•
S. Farnborough	1004·8	-3	WSW	4	opr₀	49	75	7	1500	StCu	10	-	10	1	1004·7	+2	NNW	3	orr	43	97	4	450	Nb	10	-	10	•
London (Kew Obsy.)	1004·1	-4	WSW	3	o	50	75	6	2500	StCu	9	ASt	10	2	1003·8	0	WSW	2	o	46	85	6	1500	Nb	8	ASt	10	•
Croydon	1005·9	-1	W	4	o/r	49	75	4	1500	StCu	4	ASt	10	2	1004·3	+1	W'S	3	o/r	45	85	5	800	Nb	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1002·7	0	WSW	1	or₀	45	92	6	1500	Nb	10	-	10	1
Shoeburyness	1004·2	-2	SW	4	cr₀	48	75	6	2500	St	8	-	8	•	1003·0	-1	W	1	o/r	44	85	4	4000	Cu	6	ASt	9	•
Grain	1004·0	-3	W	5	o	50	85	7	2500	StCu	9	-	9	2	1003·5	+1	W	3	o/r	44	92	5	4000	StCu	10	•	10	0
Lympne	1005·1	-4	W'N	4	or₀	45	97	7	1500	Nb	4	ASt	10	2	1004·1	0	NNW	2	or₀r₀	42	97	6	450	Nb	10	•	10	•
Scilly (St. Mary's)	1014·6	+1	WNW	6	b	50	75	7	-	-	0	Ci	1	•	1015·0	0	NW	6	c	49	85	8	4000	StCu	8	•	8	6
Falmouth (Pendennis)	1012·6	+2	NW	6	bc	51	85	8	4000	Cu	5	-	5	•	1012·4	+2	NW	6	bc+	49	85	8	4000	Cu	3	Ci	6	1
Plymouth (Cattewater)	1011·1	-1	WNW	5	b	50	85	7	2500	StCu	2	-	2	2	1010·9	+1	WNW	5	b	49	85	7	1500	StCu	2	•	2	0
Portland Bill	1007·0	-2	W'N	6	bc+	50	85	7	1500	Cu	5	-	5	•	1006·0	-2	WNW	6	bcpr₀	48	85	7	1500	StCu	6	•	6	4
Southampton (Calshot)	1006·2	-3	WSW	5	cpr₀	50	75	8	4000	StCu	8	-	8	0	1005·2	-1	W	6	cpr₀	48	85	8	1500	StCu	8	•	8	3
Dungeness	1005·2	-2	W	3	bc/r	45	97	7	4000	Nb	6	-	6	•	1003·1	-3	W	3	cr₀	45	92	8	2500	CuNb	7	•	7	3
Jersey	1011·7	0	WNW	5	b/r	52	75	7	4000	StCu	3	•	3	•	1011·7	0	WNW	5	c-	50	85	7	4000	StCu	7	•	7	6

LONDON OBSERVATIONS (Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 8th; Sunshine and Humidity 15h.: Yesterday; Humidity 9h.: To-day)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew (24 hours ended 0700)	c r m o r₀	o r₀ r m	o m r₀ r₀	•	•	39	5	1	0·8	•	•
Croydon (24 hours ended 0700)	b c r₀ m	o r m o	b m r₀ r	•	•	40	5	1	0·8	•	•
Greenwich (Royal Obsy.)	o m	o r l h m	o p	51	42	38	9	1	0·9	90	90
City (Bunhill Row)	•	•	•	•	•	•	•	•	0·5	•	•
Westminster (St. James' Pk.)	•	•	•	51	42	40	8		0·6	97	85
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0·5	•	•
Camden Square	o	r r h	•	52	41	39	10	1	•	•	90
Kensington Palace	o p r	o r	•	51	39	29	5	2	•	93 (R)	90
Hampstead Observatory	•	•	•	49	39	32	9	2	0·6	•	95

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1800 G.M.T. 7th

South Kensington Max.	Time	Min.	Time
1·0 / 1·3	19h. 6th / 9h. 7th	0·3	1-6h. 7th

Kew Observatory Max.	Time	Min.	Time
0·4 / 0·5	18h. 6th / 8h. 7th	0·5	2-5h. 7th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 7th 18 h. 45 m. to 8th 05 h. 30 m.

Stars	Exposure h. m.	Record h. m.	%
Polaris	10 45	0.0	-
δ Ursae Minoris	10 45	0.0	-

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep.
4 = Bare ground frozen (but more than 2ins. deep.
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1300 & 1800 reports (hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep) impeding traffic, usually a continuous layer.
9 = Glazed roads (ice on roads from frozen rain or melted snow)

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc. °
13h.	C	5	-	130
15h.	C	5	-	140
01h.	C	5	-	145
07h.	C	6	-	150

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 8th–9th MARCH, 1923

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·26 / 6·24	12·4 / 12·4	5·41 / 5·43
Greenwich	6·33 / 6·31	12·11 / 12·11	5·49 / 5·51
Wick	6·51 / 6·49	12·23 / 12·23	5·54 / 5·56
Valencia	7·15 / 7·13	12·52 / 12·52	6·30 / 6·32

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r₀r₀ = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0 = no swell, 1 = mod. swell, 2 = heavy swell — Calm or slight sea.
3 = no swell, 4 = mod. swell, 5 = heavy swell — Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

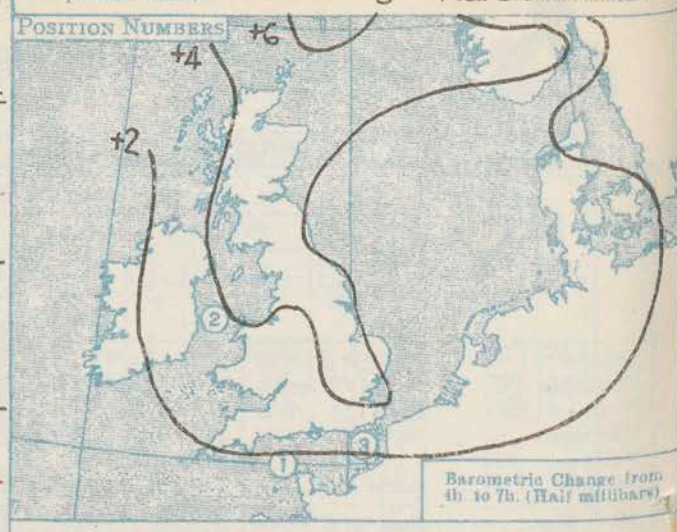
[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 2.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h. 7th	13h.–18h. 7th	18h. 7th to 1h. 8th	1h.–7h. 8th	TEMPERATURE. MAX. Day. 7h.–18h.	MIN. Night. 18h.–7h.	MIN. on GRASS	RAINFALL.† Day. 7h.–18h. mm.	Night. 18h.–7h. mm.	Precipitation began.	Precipitation began.	SUN. 7th Hours.
Lerwick	cm	cm	cq	cp	45	37	•	2	1	1330	<2100	2.4
Stornoway	b.bc	p	p	oo	50	35	•	0.6	0.4	-	-	6.2
Wick	o	oo	op.	oo	45	41	•	-	0.2	-	<2100	•
Castlebay	cbc	bcbc	bcrp	cpbc	50	40	•	—	0.2	—	—	8.6
Nairn	cbccq	cgm	cirq	cg	45	39	•	-	1	-	<2100	2.0
Aberdeen	omcb	bcom	orR	oirO	50	42	40	-	6	-	2200	2.6
Malin Head	cobc	bc	bc	bcco	48	43	•	-	-	-	-	7.0
Renfrew	omo	ooc	bcb	bbc	51	36	27	-	-	-	-	3.3
Edinburgh (Inchkeith)	o	p	oo	oo	44	41	37	1	0.5	1630	0530	0.1
Leuchars	od.o	p	obcO	oop	47	41	31	2	trace	0900	0630	0.2
Eskdalemuir	oopro	opojp	opro	ood.	45	38	33	2	0.4	L0800	<2100	0.5
Tynemouth	ors.m	oirm	cp.m	Om	44	42	39	3	0.5	0900	<2100	•
Blacksod Point ...		b-bc		b	50	40	•	-	—	-		•
Donaghadee	bcp	bc	bc	bc	50	43	•	1	-	L0800	-	•
Birr Castle ...	co	co	co	pmrco	53	39	34	-	0.1	-	2200	5.5
Holyhead	or.ir	ciro	ocbc	bc b	49	43	41	0.3	-	0900	-	1.5
Liverpool (Bidston) ...	bcop	P	ocbc		47	41	36	1	-	11.00	-	0.4
Chester (Shotwick) ...	ormopq	oprq	opr.ocm	cmcm	51	39	31	0.6	0.2	L0800	<2100	1.7
Spurn Head	r.d	r-d	r.d	oo	47	41	•	1	2	0900	<2100	0.1
Nottingham	mp	p.	cm	cm	48	42	38	1	-	0900	-	0.0
Cranwell	pr.o	pr	ormom	omod	49	40	39	0.3	1	1230	2400	1.6
Gorleston	r.d	cphr	oo	oroc	47	41	38	6	1	0900	<2100	0.5
Valencia (Cahirciveen)	oc	clmudo	cp	p	50	44	41	-	0.2	-	-	3.0
Roches Point	co	ohoco	c	cb	51	44	*	0.1	~~0.1~~	17.30	—	*
Pembroke (St. Ann's H.)	c	op.c	oo	ocbc	50	42	•	trace	-	14.30	-	2.5
Ross-on-Wye	bocqpoqoqbcop		oco	ocbc	51	41	38	0.4	-	L0800	-	3.4
Benson...	op	hk	o	oop	52	42	40	9	0.4	1430	0430	•
Andover	orroc	copr	copr	ocbc	51	42	40	1	0.4	L0800	<2100	3.4
S. Farnborough ...	opr	Tirh	orro	orro	52	41	37	10	5	L0800	<2100	1.2
London (Kew Obsy.) ...	cormozozomomorro			oorom	50	41	39	5	1	11.00	<2100	0.8
Croydon	bors.m	orrq	omr.r	oirr.	50	41	40	5	1	09.00	<2100	0.8
Clacton-on-Sea ...	bccpm	cmpo	ogrm	ogm	50	42	36	4	2	-	<2100	1.8
Shoeburyness	bomcirm	cirom	om	orro	50	41	40	1	3	L0800	2200	0.6
Grain	bcopo	pq Rm	omcbc	coRO	51	42	40	1	3	11.00	0130	1.1
Lympne	bccor	rRR	orbcb	orrm	49	39	36	7	7	0900	<2100	2.0
Scilly (St. Mary's) ..	bcqp.	bqc	bcq	c	51	46	•	0.2	-	L0800	-	6.8
Falmouth (Pendennis)	bcq	bcq	bcqcq	cq	51	45	•	-	-	-	-	~~3.8~~ 3.3
Plymouth (Cattewater)	obcob	obcpbq	b.p.b	bbc	51	45	40	0.3	trace	L0800	<2100	5.2
Portland Bill	bcc	cp	bcc	cbc	52	40	•	0.1	-	1530	-	
Southampton (Calshot)	obc	copq	bc	bccpmq	51	44	42	trace	0.2	14.30	0530	3.1
Dungeness ..	bq	qlR	c	qlR	49	40	•	3	8	L0800	<2100	
Jersey	bc	bcoc	c	cbc	53	45		1	-	0900	-	6.2

ISALLOBARS. 8th March 1923.

POSITION NUMBERS



Barometric Change from 4h. to 7h. (Half millibars)

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility.
2	7th 1000	Cambria	W	6	op	49	48	7
3	8th 0300	Arundel	NNW	5	r	46	48	6

GENERAL INFERENCE.

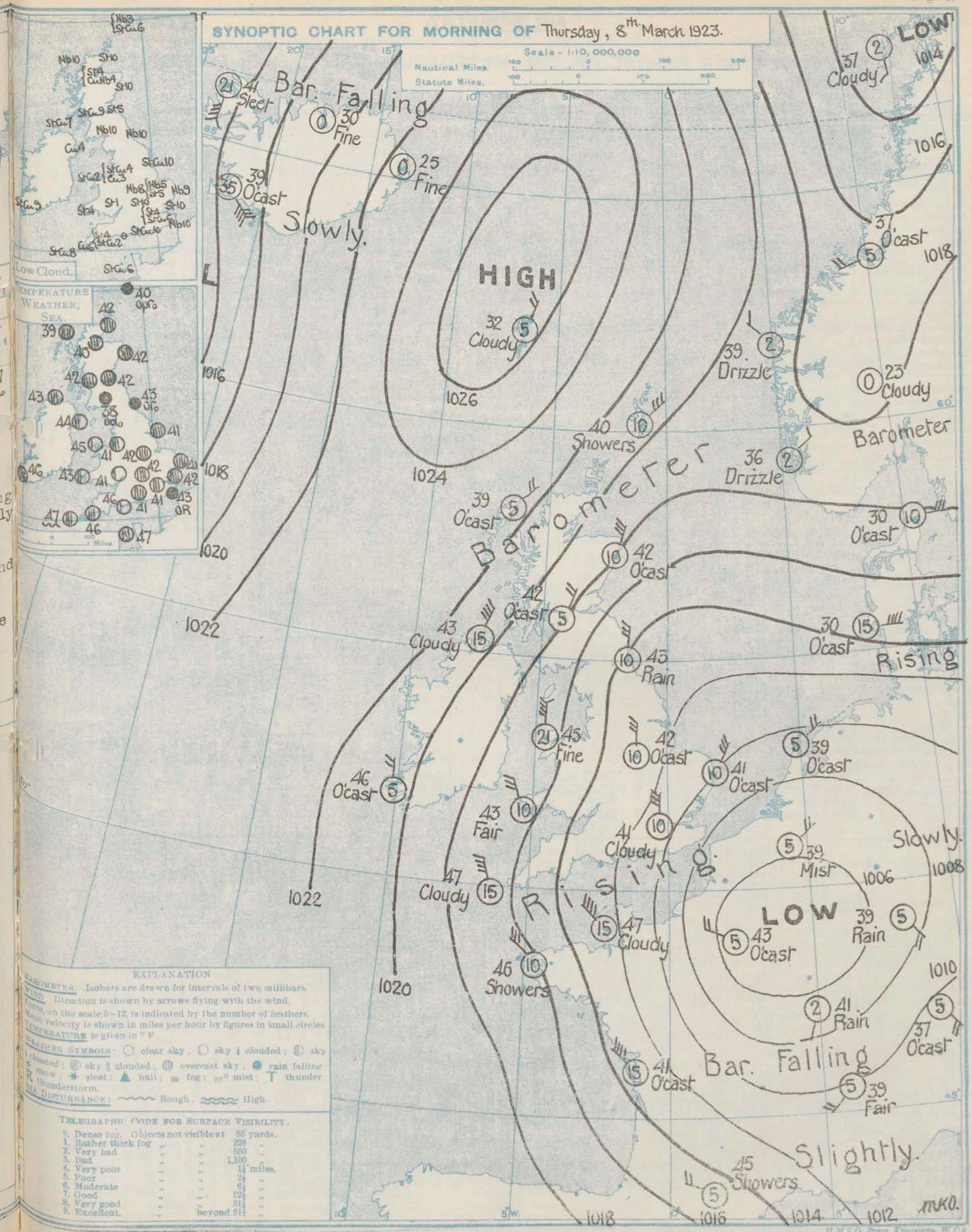
The depression over N.E. France will fill up while the ridge of high pressure approaching from the West will spread gradually over the British Isles. The weather will be cloudy at first near the eastern coasts of England and Scotland with slight showers locally, becoming fair or fine, and will be fine generally in the West. Slight frost is likely at night and some mist.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Thursday, 8th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light northerly winds; rather cloudy at first, then fine; moderate day temperature, slight frost at night; visibility good apart from morning mist.	With-held. ------
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Light northerly to indefinite winds; fine; moderate day temperature, slight frost locally at night; visibility good apart from morning mist.	
10. N.E. England 11. E. Scotland	Light northeasterly winds; rather cloudy at first, then fine; visibility good apart from morning mist; 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	Light northeasterly to indefinite winds; fine; moderate day temperature, slight frost locally at night; visibility good apart from morning mist.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0905 G. C. SIMPSON, F.R.S., Director.

No 2086/650 Wt 550 D.7348/P.P.1078 11625 3/23

† For Cards ...



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 °F.
WEATHER SYMBOLS:- ○ clear sky, ◐ sky ¼ clouded; ◐ sky ½ clouded; ◐ sky ¾ clouded; ● overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ≡° mist; T thunderstorm.
SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0. Dense fog.	Objects not visible at	55	yards.
1. Rather thick fog	" "	220	"
2. Very bad	" "	550	"
3. Bad	" "	1,100	"
4. Very poor	" "	1¼	miles.
5. Poor	" "	2½	"
6. Moderate	" "	6½	"
7. Good	" "	12½	"
8. Very good	" "	31½	"
9. Excellent.	"	beyond 31½	"

H.M.S.O. Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION THURSDAY 8th MARCH. 1923. No. 67

Observations at 0100 G.M.T. 8th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1015.9	+6	NE	5	o	39	92	7	–	–	0	A.St	10	·
Stornoway	1019.9	+5	ENE	3	PR	·	·	5	·	·	·	·	·	·
Wick	1015.5	+5	NNW	5	opr$_0$	41	97	8	2500	Cu.Nb	10	–	10	·
Castlebay	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Malin Head	1016.6	+2	N	4	b	45	85	8	–	–	0	A.Cu	1	·
Renfrew	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Edinburgh (Inchkeith)	1013.7	+3	NW	2	o	42	85	8	–	St	6	A.St	9	·
Leuchars	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Eskdalemuir	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Tynemouth	1011.5	+3	N	3	bc-	42	92	6	4000	Cu.Nb	6	–	6	·
Blacksod Point														
Donaghadee	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Birr Castle	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Holyhead	1013.7	+4	N'E	5	bc	46	85	8	4000	StCu	4	–	4	·
Liverpool (Bidston)	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Chester (Shotwick)	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Spurn Head	1008.6	+2	N	3	or$_0$r$_0$	42	97	7	1500	Nb	10	–	10	·
Nottingham	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Cranwell	1009.1	+7	N	3	o/r	42	97	5	1500	Nb	10	–	10	·
Gorleston	1007.8	+1	N	3	or$_0$+	42	92	6	4000	Nb	10	–	10	·
Valencia (Cahirciveen)	1019.4	0	W'N	4	cr$_0$	45	97	6	–	–	0	A.St	8	·
Roches Point	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Pembroke (St. Ann's H.)	1013.8	+2	NW	4	c	47	85	8	4000	StCu	10	–	10	·
Ross-on-Wye	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Benson	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Andover	·	·	·	·	·	·	·	·	·	·	·	·	·	·
S. Farnborough	·	·	·	·	·	·	·	·	·	·	·	·	·	·
London (Kew Obsy.)	·	·	·	·	·	47	·	·	·	·	·	·	·	·
Croydon	1007.5	+3	NNW	3	o/r	44	85	7	800	St	10	–	10	·
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Shoeburyness	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Grain	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Lympne	1006.0	+2	N	3	o+	42	92	7	1500	St	10	–	10	·
Scilly (St. Mary's)	1015.9	+1	NW	6	o+	48	85	8	4000	StCu	10	–	10	·
Falmouth (Pendennis)	1014.1	+2	NW	4	c	47	85	8	4000	Cu	8	–	8	·
Plymouth (Cattewater)	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Portland Bill	1009.6	+3	NW	6	c+	46	85	7	2500	StCu	8	–	8	·
Southampton (Calshot)	1009.1	+4	NW	4	bc	45	85	7	2500	StCu	4	–	4	·
Dungeness	1005.3	+3	NW	3	o+	43	97	7	800	St	10	–	10	·
Jersey 7h / Guernsey 1h	1012.7	+1	NNW	5	c+	47	85	8	7200	StCu	6	A.St	9	·

Observations at 0700 G.M.T. 8th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1020.9	+6	NE	3	opr$_0$	40	85	7	4000	StCu	9	–	9	2
Stornoway	1022.8	+3	NE	2	o	39	92	6	1500	Nb	10	–	10	1
Wick	1019.6	+4	N	5	o	42	92	8	1500	St	10	–	10	3
Castlebay	1021.7	+2	N	3	bcpo	40	85	8	2500	St	6	–	6	3
Nairn	1021.0	·	NNE	2	c/r	40	92	8	1500	St	8	–	8	·
Aberdeen	1018.0	+4	NNE	3	o	42	85	6	1500	St	10	–	10	0
Malin Head	1020.1	+3	NNE	4	c+	43	95	8	5700	StCu	7	A.Cu	8	4
Renfrew	1018.8	+5	NNE	2	o	42	75	8	5700	StCu	9	–	9	·
Edinburgh (Inchkeith)	1016.8	+4	N	3	o+	42	85	8	·	St	5	A.St	10	2
Leuchars	1017.3	+5	NNW	2	o	43	85	8	1500	StCu	10	–	10	·
Eskdalemuir	1017.3	+4	N	3	od$_0$+	38	85	6	1500	Nb	10	–	10	·
Tynemouth	1013.7	+2	N	3	or$_0$	43	97	6	4000	Nb	10	–	10	2
Blacksod Point	1022.0	+1	NE	3	bc	45	85	7	–	–	0	A.St	6	3
Donaghadee	1018.2	+4	N	3	bc	44	85	8	2500	Cu	4	–	4	3
Birr Castle	1019.1	·	SW	1	o/r	39	97	6	1500	StCu	9	–	9	·
Holyhead	1016.8	+4	NW	5	b-	45	85	8	5700	StCu	2	–	2	2
Liverpool (Bidston)	1015.3	+3	NW'N	3	c+	41	92	7	2500	StCu	7	–	7	3
Chester (Shotwick)	1015.0	+4	NW	3	c	39	92	6	4000	StCu	7	A.Cu	8	·
Spurn Head	1012.6	+4	N	3	o	41	97	5	4000	StCu	10	–	10	1
Nottingham	1013.1	+4	N	2	o	42	92	4	1500	Nb	8	A.Cu	9	·
Cranwell	1012.9	+4	N'W	3	o	41	97	6	800	Nb	10	–	10	·
Gorleston	1010.0	+1	NE'N	3	o-	41	92	6	4000	Nb	9	–	9	1
Valencia (Cahirciveen)	1020.7	+1	N	2	o	46	85	8	2500	StCu	9	–	9	1
Roches Point	1019.3	+2	N	3	b	44	92	8	4000	StCu	3	–	8	0
Pembroke (St. Ann's H.)	1016.6	+2	NNW	3	bc	43	92	7	2500	St	4	–	4	3
Ross-on-Wye	1014.1	+3	N	3	b-	41	85	7	2600	St	1	A.Cu	3	·
Benson	1012.1	+3	N	3	o	42	85	6	2500	St	10	–	10	·
Andover	1011.6	+3	N'E	3	bc-	42	85	7	2500	StCu	5	–	5	·
S. Farnborough	1011.2	+4	N	3	o-	41	92	7	800	StCu	10	–	10	·
London (Kew Obsy.)	1011.1	+4	N	3	c/r	41	92	6	1500	Nb	7	A.Cu	8	·
Croydon	1010.9	+2	N'W	3	or$_0$	41	92	6	800	Nb	9	A.St	10	·
Clacton-on-Sea	1009.1	+4	NNW	3	o	42	92	7	4000	St	10	–	10	1
Shoeburyness	1009.9	+4	NE	4	o/r	42	85	7	1500	StCu	10	–	10	·
Grain	1010.0	+4	N'E	4	o/r	42	92	7	1500	StCu	10	–	10	0
Lympne	1008.9	+3	N'E	5	or$_0$	41	97	6	800	St	8	A.St	9	·
Scilly (St. Mary's)	1016.8	+1	NNW	4	c	47	85	8	4000	StCu	8	–	8	6
Falmouth (Pendennis)	1015.7	+2	N	3	c	46	85	7	4000	Cu	6	Ci	8	1
Plymouth (Cattewater)	1014.4	+2	NNW	3	bc+	45	97	7	2500	St	6	–	6	0
Portland Bill	1010.9	+2	NNW	5	b-	46	85	7	–	–	0	Ci.Cu	3	3
Southampton (Calshot)	1011.3	+2	NNW	4	o	44	85	6	2500	StCu	10	–	10	0
Dungeness	1008.0	+3	NNE	5	oR	43	97	8	1500	Nb	10	–	10	5
Jersey 7h / Guernsey 1h	1012.1	0	NW	4	c	47	75	7	4000	StCu	6	A.Cu	7	3

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

Stations	Weather Fore-noon	Weather After-noon	Temperature Min. Night 6th to 7th °F.	Temperature Max. Day 7th °F.	Rainfall† Night 17h.-8h. 6th-7th mm.	Rainfall† Day 8h.-17h. 7th mm.	Sunshine Sunrise to 17h. 7th hr.	Sunshine Sunrise to Sunset 6th hr.
Montrose	*	*	38	48	0.3	0.4	1.0	0.5
Llandudno	ror	o	44	48	1	1	0.0	2.9
Colwyn Bay	orc	pco	44	47	2	3	0.2	2.7
Rhyl	orqc	qc	43	47	2	3	0.2	2.0
Southport	orcbc	bcc	43	47	2	0.4	2.6	1.9
Blackpool	op	o	44	48	1	1	3.4	1.4
Ilkley	md$_0$	cpcpo	41	48	4	2	0.2	0.8
Harrogate	obp	o.b.p	40	49	1	0.3	1.2	0.1
Skegness	co	oupc	36	49	0.4	1	3.0	0.8
Aberystwyth	oor	o	45	47	–	0.4	0.5	3.5
Bath	roc	cop	45	49	1	1	0.6	1.5
Leamington Spa	cb	cbr	38	49	1	4	1.7	0.7
Lowestoft	op	ocopo	38	48	4	1	0.6	3.6
Felixstowe	omp	cpo	39	50	3	3	1.2	0.0
Southend	o	or	38	48	2	1	0.2	1.9
Paignton	bcbcq	bq	45	53	1	–	6.9	2.9
Ilfracombe	qc	ocp	47	49	–	0.2	0.8	1.9
Bude	opoc	oopo	45	52	~~5~~ 1	–	~~6.6~~ 0.8	~~2.8~~ 2.6
Penzance	b.bc	bcc	44	54	3	–	7.1	1.3
Torquay	b	b	44	55	1	–	7.7	3.1
Weymouth	cbc	bcc	44	53	0.2	–	4.3	0.9
Bournemouth	bc	bc	42	53	–	–	2.7	0.2
Portsmouth (S'thsea)	bc	bcobc	43	52	0.2	–	2.2	0.1
Worthing	oro	obc	39	51	2	0.3	2.8	0.4
Brighton	b.bco	pocbc	42	49	–	1	1.9	1.0
Eastbourne	or	pcpo	43	50	2	3	2.2	0.9
Hastings	or$_0$o	oc/r	40	50	1	3	1.7	0.6
Folkestone	c	r	37	51	–	2	1.7	0.2
Tunbridge Wells	oro	opoc	38	50	2	2	2.0	0.5
Ramsgate	b.bcor	bcro	36	50	3	4	2.4	1.1
Margate	bor	obcor	39	50	3	4	1.9	1.7
Deal	bcor	bcpo	40	50	1	1	3.3	0.5

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22387 FRIDAY, 9th MARCH 1923. Page 1.

Observations at 1300 G.M.T. 8th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1025.0	+4	NE	3	opr0	41	92	7	4000	St.Cu	9	-	9	*
Stornoway	1025.2	+3	NE	4	cpr0	44	92	6	4000	Nb	8	-	8	*
Wick	1023.3	+4	NNE	4	o	42	97	8	1500	St.	10	-	10	*
Castlebay	1023.3	+1	NNE	4	b	45	75	8	4000	Cu	1	-	1	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1022.2	+4	NE'E	2	or0	43	92	6	1500	Nb	10	-	10	2
Malin Head	1021.6	+1	NNE	4	b	45	85	8	2500	Cu	3	-	3	*
Renfrew	1020.9	+2	NNE	3	o+	47	65	7	4000	St.Cu	9	-	9	1
Edinburgh (Inchkeith)	1021.0	+4	E	2	or0r0	41	97	7	*	Cu.Nb	8	A.St	10	*
Leuchars	1020.8	+4	NE	3	or0	43	97	6	800	St.	9	A.St	10	1
Eskdalemuir	1019.6	+2	N	5	o/r	42	85	7	1500	St.Cu	10	-	10	2
Tynemouth	1017.9	+3	ENE	3	o/r	43	92	6	4000	St.Cu	10	-	10	*
Blacksod Point	1022.6	+2	E	5	o	47	75	9	-	St.Cu	10	-	10	*
Donaghadee	1020.7	+1	N	3	bc+	46	85	8	2500	Cu	3	A.Cu	6	*
Birr Castle	1021.4	*	NW	1	c-	47	75	8	4000	Cu	8	-	8	*
Holyhead	1018.9	+2	N'E	5	bc+	47	85	8	2500	Cu	4	A.Cu	6	1
Liverpool (Bidston)	1017.2	+1	NW'N	2	o	44	85	7	1500	Cu.Nb	10	-	10	*
Chester (Shotwick)	1016.8	+1	NW	3	o	46	85	7	2500	St.	10	-	10	1
Spurn Head	1015.4	+3	NE	5	opr0	42	85	6	2500	St.	10	-	10	*
Nottingham	1014.8	+1	NNE	4	o	46	85	6	1500	Nb	10	-	10	*
Cranwell	1015.4	+2	N'E	4	o	42	92	6	1500	Nb	10	-	10	*
Gorleston	1012.5	+1	NNE	4	or	42	92	6	4000	Nb	10	-	10	*
Valencia (Cahirciveen)	1022.4	+1	NNE	3	b	50	65	8	2500	Cu	2	A.Cu	3	1
Roches Point	1020.8	+1	N	2	b	51	75	8	4000	Cu	2	-	2	*
Pembroke (St. Ann's H.)	1018.0	0	N'E	3	bc	49	86	8	4000	Cu	4	-	4	*
Ross-on-Wye	1015.6	0	N	4	bc	47	75	7	4000	Cu.Nb	3	A.Cu	5	0
Benson	1014.2	+1	NNE	3	o/s(h)	45	85	7	*	Cu.Nb	9	-	9	2
Andover	1013.7	+1	N	4	cr	48	75	7	1500	Nb	4	A.St	8	1
S. Farnborough	1013.4	+1	N	3	o/r	44	85	6	800	St.Cu	8	A.Cu	10	2
London (Kew Obsy.)	1013.3	+1	N	4	o	46	75	6	2800	St.Cu	10	-	10	2
Croydon	1013.6	+3	N	4	o-	43	75	5	1500	Nb	10	-	10	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1012.6	+2	NNE	4	o	43	85	6	2500	St.Cu	8	A.St	10	*
Grain	1012.9	+3	N'E	4	o	44	85	6	4000	St.Cu	10	-	10	2
Lympne	1011.5	+2	N'E	5	o	43	85	6	1500	St.Cu	10	-	10	2
Scilly (St. Mary's)	1018.5	+1	N	4	b	50	75	8	4000	Cu	3	-	3	*
Falmouth (Pendennis)	1017.6	+2	NNE	4	c+	49	92	4	4000	Cu	7	-	7	*
Plymouth (Cattewater)	1015.8	?	N'W	4	bc	49	75	8	2500	St.Cu	4	-	4	0
Portland Bill	1015.5	+4	N	5	bc+	49	85	7	-	-	0	Ci.Cu	5	*
Southampton (Calshot)	1014.0	+2	N'W	4	oph	49	75	6	4000	Cu.Nb	9	-	9	-
Dungeness	1011.3	+3	NE	5	o	45	75	7	1500	St.	10	-	10	*
Jersey	1014.1	0	N	4	bc/r	49	75	7	4000	St.Cu	5	-	5	*

Observations at 1800 G.M.T. 8th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1025.5	+2	NE	4	c	41	85	7	5700	St.Cu	8	-	8	3
Stornoway	1026.3	+1	NE	4	bc-	42	92	6	4000	Cu	6	-	6	3
Wick	1024.9	+3	NNE	3	o-	41	97	8	5700	St.Cu	7	Ci.St	9	1
Castlebay	1024.0	0	NNE	5	b	45	75	8	-	-	-	-	-	4
Nairn	1024.8	*	NE'E	3	c/r	41	92	7	1500	Cu.Nb	8	-	8	*
Aberdeen	1024.5	+3	ENE	3	o/r	41	92	6	1500	Nb	10	-	10	0
Malin Head	1022.3	+1	NNE	3	b	44	92	8	-	-	0	A.Cu	1	3
Renfrew	1022.8	+3	NNE	3	or0	43	85	5	2500	St	10	-	10	*
Edinburgh (Inchkeith)	1022.9	+3	ENE	3	or0r0	41	97	6	*	Nb	10	-	10	3
Leuchars	1022.6	+3	ENE	2	or0	41	97	6	800	St	10	-	10	*
Eskdalemuir	1022.1	+3	NE	4	or0	39	92	6	1500	St.Cu	10	-	10	*
Tynemouth	1020.4	+3	E	3	o	41	85	6	4000	Nb	10	-	10	1
Blacksod Point	1022.6	+1	N	4	c	45	65	9	-	St.Cu	8	-	8	3
Donaghadee	1021.7	+2	NE	4	o+	46	75	8	2500	Nb	5	A.St	9	4
Birr Castle	1021.4	*	NW	1	c-	46	85	8	4000	Cu	8	-	8	*
Holyhead	1019.6	+2	NNE	5	o+	45	85	7	2500	St.Cu	10	-	10	5
Liverpool (Bidston)	1019.1	+3	NE'N	3	o	42	85	5	1500	St	10	-	10	4
Chester (Shotwick)	1018.8	+3	NNE	4	o	44	85	5	2500	St	10	-	10	*
Spurn Head	1018.6	+3	NE	5	o	39	92	7	4000	St.Cu	10	-	10	3
Nottingham	1018.5	+3	NE	4	o	40	86	7	1500	Nb	10	-	10	*
Cranwell	1018.8	+3	NE'N	4	o	39	85	6	800	St	10	-	10	*
Gorleston	1015.0	+1	NE	6	orr	39	97	6	2500	Nb	10	-	10	4
Valencia (Cahirciveen)	1022.1	+1	NE	2	b-	48	75	9	2500	St.Cu	1	Ci.Cu	3	1
Roches Point	1020.9	0	N	2	b	49	85	8	4000	St.Cu	7	Ci.Cu	3	0
Pembroke (St. Ann's H.)	1018.5	+1	N	3	c+	45	92	8	2500	St.Cu	7	-	7	3
Ross-on-Wye	1017.1	+3	NNE	3	mmo	44	85	5	800	St	10	-	10	*
Benson	1015.4	+2	NNE	4	o	41	92	7	450	St	10	-	10	*
Andover	1015.2	+3	N'E	4	c-	43	85	6	2500	St.Cu	8	-	8	*
S. Farnborough	1015.1	+3	NNE	3	mmo	42	85	6	1500	St.Cu	10	-	10	*
London (Kew Obsy.)	1014.8	+3	N	4	o	43	85	6	2500	St.Cu	10	-	10	*
Croydon	1014.6	+2	N	4	o/r	41	85	4	800	Cu.Nb	10	-	10	*
Clacton-on-Sea	1013.5	+3	NNE	4	odd0	41	92	6	1500	Nb	10	-	10	1
Shoeburyness	1014.0	+3	N'E	4	orr	40	92	6	2500	Nb	10	-	10	*
Grain	1014.1	+2	N'E	5	or	41	92	6	800	Nb	10	-	10	3
Lympne	1012.8	+1	N	3	o	41	85	6	800	St	9	-	9	*
Scilly (St. Mary's)	1018.6	0	N	3	bc+	47	85	7	4000	St.Cu	5	-	5	4
Falmouth (Pendennis)	1018.1	+2	N	4	c	47	85	8	4000	Cu	8	-	8	1
Plymouth (Cattewater)	1016.8	+2	N'W	4	c	48	85	7	4000	St.Cu	8	-	8	0
Portland Bill	1015.5	0	N	5	oph0	48	85	6	450	St	10	-	10	4
Southampton (Calshot)	1015.0	+1	NNW	4	o+	45	85	6	1500	St.Cu	10	-	10	0
Dungeness	1012.7	+2	NE	4	c	43	85	7	1500	St	8	-	8	5
Jersey	1014.0	0	NW	3	bc/r	46	75	7	4000	Cu.Nb	6	-	6	3

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 9th								Yesterday		To-day
Kew } 24 hours ended 0700	omr0zo	pzom	omr0o	*	*	34	0.3	0.3	1.5	*	*
Croydon }	omr0z	ozmr0	od0r0z	*	*	35	0.1	0.1	0.5	*	*
Greenwich (Royal Obsy.)	o(d)	o(d)	o(d)	47	36	35	0.3	-	0.6	76	80
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.9	*	*
Westminster (St. James' Pk.)	*	*	*	49	37	36	-	-	0.9	73	77
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	1.0	*	*
Camden Square	oe	o	*	49	35	35	-	0.5	*	*	81
Kensington Palace	oc	o	*	48	34	33	0.3	0.4	*	85 (18h)	80
Hampstead Observatory	*	*	*	46	34	31	1	0.3	1.1	*	92

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.
24 Hr. ended 1800 G.M.T. 8th

South Kensington

Max.	Time.	Min.	Time.
1.0	19h.-7th	0.3	1-6h.-8th
1.0	13h.-8th		

Kew Observatory

Max.	Time.	Min.	Time.
0.4	19h.-7th	0.3	6h.-8th
0.4	10h.-8th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 8th 18h 45m to 9th 5h 30m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10.45	0.0	-
δ Ursae Minoris	10.45	0.0	-

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1300 & 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, hindering traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C1C2	4	-	-
18h.	C1C2	5	3	15
01h.	C	5	-	25
07h.	C	5	-	10

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 9th & 10th MARCH, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.24 / 6.22	12.4 / 12.4	5.43 / 5.45
Greenwich	6.31 / 6.29	12.11 / 12.11	5.51 / 5.53
Wick	6.49 / 6.37	12.23 / 12.23	5.56 / 5.59
Valencia	7.13 / 7.11	12.32 / 12.32	6.32 / 6.34

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather. A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r0r0 = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

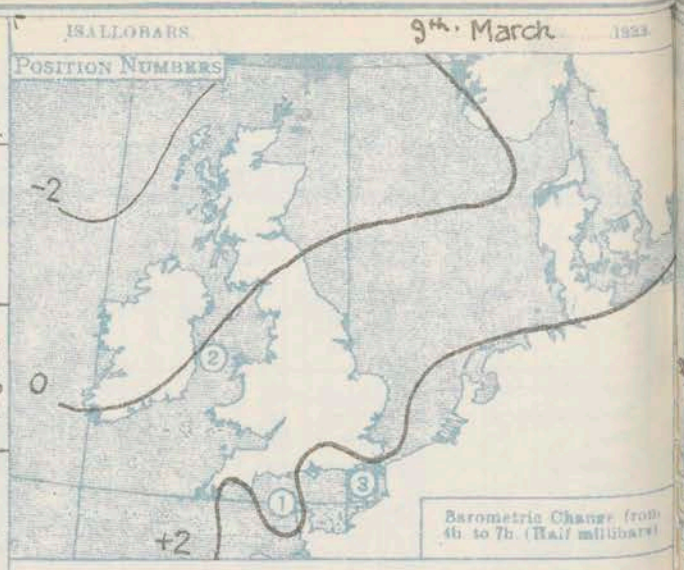
SEA DISTURBANCE.
0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 8h	13h.-18h. 8h	18h. 8h to 1h. 9h	1h.-7h. 9h	Temperatures. Max. Day. 7h.-18h.	Min. Night. 18h.-7h.	Min. on Grass	Rainfall.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	Sun. 8th Hours.
Lerwick	cpr	cq	c	bc	43	36	•	1	–	<0800	–	3.1
Stornoway	p	c	c	bc	45	30	•	0.4	–	–	–	6.4
Wick	oo	oo	b.bc	op	42	40	•	–	0.1	–	2200	•
Castlebay	cpob	b	bo	b	46	40	•	–	–	–	–	9.5
Nairn	cdbc	cdm	ciRg	cd	42	38	•	1	8	11.00	<2100	0.0
Aberdeen	oirm	hirm	o	oo	43	36	32	2	–	<0800	–	0.0
Malin Head	cobc	bcv	bcv	bcco	46	37		–	–	–	–	7.1
Renfrew	oco	omd	oir	om	47	38	36	trace	trace	16.30	–	0.6
Edinburgh (Inchkeith)	ir	mir	rro	oo	43	38	36	0.5	0.3	13.30	0330	0.0
Leuchars	orm	orink	oir	om	43	36	28	0.6	0.2	09.00	<2100	0.0
Eskdalemuir	giro	oorm	oormo	omo	43	34	34	1	0.1	<0800	<2100	0.2
Tynemouth	oirm	om	omid	oirm	43	37	35	0.2	3	<0800	<2100	•
Blacksod Point	c	c		b-bc	51	34	•	–	–	–	–	•
Donaghadee	bc	cq	c	c	48	41	•	–	–	•	–	•
Birr Castle	co	od	cox	coz	49	32	25	–	–	•	–	2.3
Holyhead	bbc	bccr	ocbco	oo	47	39	38	trace	–	16.30	–	4.8
Liverpool (Bidston)	cpo	p	omc		45	37	34	0.5	–	12.30	–	0.6
Chester (Shotwick)	oromo	obm	om	oocm	46	37	33	0.2	–	09.00	–	0.2
Spurn Head	bbcp	oo	oo	oqprs	43	35	•	trace	~~0.2~~ 0.2	09.00	0230	1.4
Nottingham	cp	oo	o	op	47	35	32	0.3	0.1	09.00	2400	1.5
Cranwell	op.o	r-d	od.m	r	44	33	31	trace	0.2	11.00	2200	0.1
Gorleston	corqm	orq	orqoq	odqr	44	38	37	2	1	12.30	<2100	0.0
Valencia (Cahirciveen)	ocb	bcb	b	c	52	38	32	–	–	–	–	7.1
Roches Point	[illegible]	b,bccir	b	b	53	37		–	trace	–	–	
Pembroke (St. Ann's H.)	bbc	c	cbc	c	50	37	•	–	–	–	–	9.0
Ross-on-Wye	bbcoc	bzmq	omgom	mo	48	35	30	0.3	–	15.30	–	3.8
Benson	pophr	pro	o	o	47	33	30	2	–	14.30	–	•
Andover	cocr	ocm	cod	oc	49	33	30	1	trace	<0800	<2100	3.2
S. Farnborough	oprho	oopm	opro	op	49	34	31	0.3	1	12.30	2400	1.6
London (Kew Obsy.)	omrmq	opzom	omo	oromo	47	36	34	0.3	0.3	09.00	2400	1.5
Croydon	omro	ozmr	omdr	odz	45	36	35	0.1	0.1	<0800	<2100	0.5
Clacton-on-Sea	oq	oqd	oqd	oqd	44	36	35	0.3	1	15.30	<2100	0.2
Shoeburyness	oo	r-d	orro	o	45	35	35	0.4	0.3	12.30	<2100	0.0
Grain	oom	omir	ormo	oo	44	35	35	0.6	0.6	15.30	<2100	0.0
Lympne	omr	ocm	orr	orom	45	35	35	0.1	4	<0800	<2100	1.7
Scilly (St. Mary's)	bc	bc	bcp	bcphm	51	42	•	–	1	–	<2100	8.5
Falmouth (Pendennis)	cq	bccq	bcb	bbcc	50	39	•	–	–	–	–	7.7
Plymouth (Cattewater)	bobc	bcc	cb	b	51	38	32	–	–	–	–	8.1
Portland Bill	bbc	bcop	c	co	50	37	•	0.3	0.2	15.30	<2100	•
Southampton (Calshot)	omr	prq	oo	c	50	37	35	0.5	–	09.00	–	1.1
Dungeness	c	c	p	p	45	38	•	1	0.5	<0800	<2100	•
Jersey	cpcbc	bcphc	cospo	bopo	50	41	•	1	4	11.00	<2100	4.0



Observations from Cross Channel Steamers.

Position.	Date and Time	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	8th 1000	Cambria	NNW	3	b	46	47	8
1	" 1300	Ibex	NNE	5	bc	48	49	6
3	9th 0300	Dieppe	NE'N	5	o	44	47	7

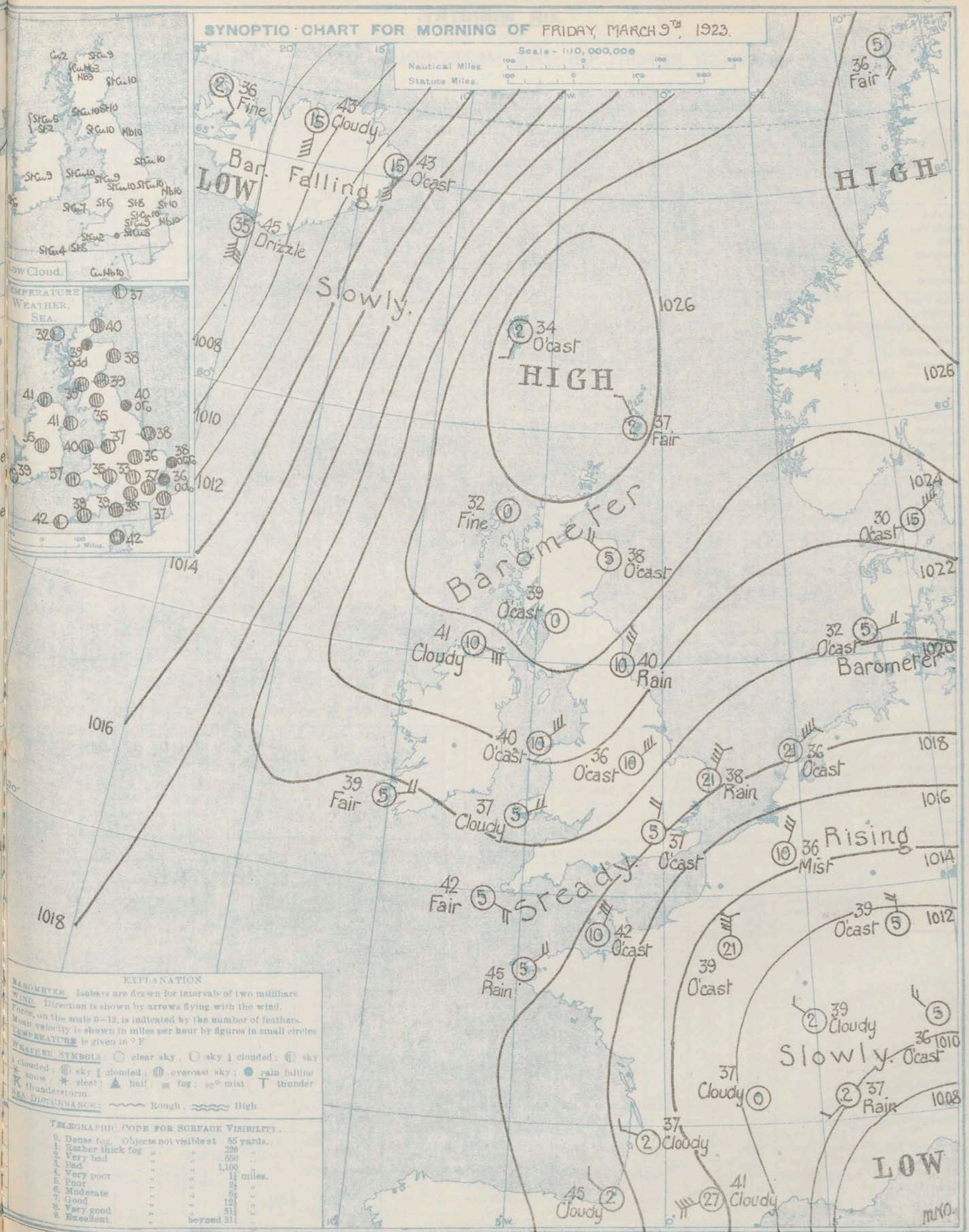
General Inference.

The distribution of pressure is favourable for rather cold northeasterly to easterly winds over the British Isles. Over the eastern half of the kingdom, the weather will be cloudy with some rain or drizzle especially near the coast, but further west, it will be mainly fair with slight frost in places at night.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 9th March, 1923.	Further Outlook.
1. S.E. England 2. E. England	Moderate NE. wind; cloudy, some rain or drizzle; visibility moderate to good; rather cold.	Unsettled and rather cold in East and Southeast England; mainly fair further West and North.
3. E. Midlands 4. W. Midlands	Moderate NE. wind; cloudy, occasional slight drizzle not improbable; visibility moderate to good; rather cold.	
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Moderate NE. wind; cloudy at times, ~~but~~ bright periods; visibility good apart from slight morning mist; rather cold, slight frost locally at night.	
9. N. Midlands 10. N.E. England	Light or moderate NE. wind; mainly cloudy, drizzle locally; visibility moderate to good; rather cold.	
11. E. Scotland 12. S.W. Scotland	Light easterly winds; cloudy, occasional drizzle in places; visibility moderate; rather cold.	
13. Isle of Man	Light easterly winds; fair; visibility good apart from morning mist; rather cold, slight frost locally at night.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Light indefinite to southeasterly winds; fine; visibility good apart from morning mist; rather cold, slight frost locally at night.	
17. N.W. Ireland 18. N.E. Ireland	Light southeasterly winds; fair; visibility moderate or good; rather cold.	
19. S.E. Ireland 20. S.W. Ireland	Light easterly winds; cloudy at times, but bright periods; visibility good apart from morning mist; rather cold.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0940 Sir G. C. Simpson, F.R.S., Director.

† For Code see opposite page.



H.M.S.O. Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. FRIDAY 9TH MARCH 1923. No. 68

Observations at 0100 G.M.T. 9th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1025.9	0	NNE	2	bc	38	85	7	5700	SrCu	4	ACu	6	.
Stornoway	1027.2	0	ENE	3	c-	.	.	5	.	.	.	.	.	.
Wick	1025.2	0	NNE	2	bc+	40	97	8	4000	Cu	5	-	5	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	1023.2	0	SSW	1	bc+	42	92	8	5700	SrCu	5	-	5	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	1024.7	+1	E	2	o/r	39	83	8	.	St	2	ASt	10	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	1022.9	0	NE	3	or	39	92	7	4000	Nb	10	-	10	.
Blacksod Point ...														.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	1021.5	+1	NE'E	4	o+	42	85	7	1500	St	10	-	10	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	1021.0	+1	NNE	4	o	39	76	8	2500	St	10	-	10	.
Nottingham														.
Cranwell	1021.1	+3	NNE	3	odd	35	97	6	800	St	10	-	10	.
Gorleston	1018.0	+2	NNE	5	o	38	92	7	4000	Nb	10	-	10	.
Valencia (Cahirciveen)	1022.0	+1	W'S	1	b-	43	85	9	-	-	0	ACu	3	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	1020.4	+1	ENE	2	bc	41	92	7	4000	Cu	4	-	4	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.) ...	.	.	.	.	.	39	.	.	.	.	.	.	.	.
Croydon	1017.6	+1	N	5	od	38	92	6	800	Nb	10	-	10	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	1015.5	+1	NNE	5	or.r.	40	97	6	800	Nb	10	-	10	.
Scilly (St. Mary's) ...	1019.3	0	N	2	b	45	85	8	4000	Cu Nb	2	-	2	.
Falmouth (Pendennis)	1019.2	+1	N	3	b	43	92	8	-	-	0	-	0	.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	1016.5	+1	NNE	5	bc-	44	85	7	1500	SrCu	6	-	6	.
Southampton (Calshot)	1017.6	+1	N'E	4	o	40	92	8	2500	SrCu	10	-	10	.
Dungeness	1014.8	+2	NE	5	o	42	92	7	1500	St	10	-	10	.
Jersey 7h }	1015.8	+2	NNE	6	o	44	85	6	5700	St	10	-	10	.
Guernsey 1h }														

Observations at 0700 G.M.T. 9th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1026.2	0	NNW	1	bc-	37	85	7	5700	SrCu	1	A.St	4	0
Stornoway	1024.9	0	~	0	b	32	92	7	4000	Cu	2	-	2	0
Wick	1024.8	0	NE	3	o/r	40	97	8	5700	SrCu	9	-	9	1
Castlebay	1024.0	0	SE	2	c+	43	85	8	1500	CuNb	8	-	8	3
Nairn	1025.4	.	NE	1	bcdd	39	92	8	2500	Nb	6	-	6	.
Aberdeen	1025.2	0	NW	2	o	38	97	7	2500	SrCu	10	-	10	0
Malin Head	1022.9	-1	ESE	3	c	41	85	7	2500	SrCu	7	-	7	3
Renfrew	1024.8	0	~	0	o	39	85	5	1500	SrCu	10	-	10	.
Edinburgh (Inchkeith)	1024.1	0	NE	2	o	39	92	7	*	St	10	-	10	2
Leuchars	1024.1	0	NW	1	o	37	97	6	4000	SrCu	10	-	10	.
Eskdalemuir	1024.0	0	NNE	3	o	35	92	7	1500	SrCu	10	-	10	.
Tynemouth	1022.3	-1	NNE	3	or	40	92	6	4000	Nb	10	-	10	2
Blacksod Point ...	1013.1	-2	E	4	b	49	65	7	—	—	0	-	0	1
Donaghadee	1022.8	⊕	SE	3	c-	41	75	8	4000	SrCu	7	-	7	3
Birr Castle	1021.3	.	N	1	o+	35	97	6	1500	SrCu	9	-	9	.
Holyhead	1022.3	+2	NE'E	3	o	40	85	7	2500	SrCu	10	-	10	2
Liverpool (Bidston) ...	1021.9	0	ENE	2	c+	37	92	7	2500	St	7	-	7	3
Chester (Shotwick) ...	1021.9	0	NW	2	o-	37	85	4	5700	SrCu	9	-	9	.
Spurn Head	1021.4	⊕	NE	4	o-	38	75	7	4000	SrCu	10	-	10	4
Nottingham	1021.0	0	NE	3	o	36	92	7	1500	SrCu	10	-	10	.
Cranwell	1021.3	0	NNE	3	o	35	85	7	2500	SrCu	10	-	10	.
Gorleston	1018.2	0	NNE	5	or.r.	38	92	6	2500	Nb	10	-	10	4
Valencia (Cahirciveen)	1019.9	0	E'N	2	bc	39	85	9	7200	St	6	-	6	1
Roches Point	1020.6	0	ENE	2	c	39	92	6	-	-	0	ACu	7	0
Pembroke (St. Ann's H.)	1020.8	0	ENE	2	c	37	92	8	4000	SrCu	7	-	7	2
Ross-on-Wye	1020.7	0	N	1	c-	35	85	8	2500	St	6	ACu	7	.
Benson...	1020.1	+1	N	1	c-	33	92	8	1500	St	8	-	8	.
Andover	1019.3	+2	NNE	4	c	34	85	8	2500	SrCu	7	-	7	.
S. Farnborough ...	1019.6	+3	N'E	3	o-	35	75	7	5700	SrCu	9	-	9	.
London (Kew Obsy.) ...	1019.2	+1	N'E	2	o	37	75	6	1500	SrCu	10	-	10	.
Croydon	1018.8	+1	N	3	o	36	75	6	1500	St	10	-	10	.
Clacton-on-Sea ...	1017.8	+2	NNE	4	od	36	97	6	1500	St	10	-	10	1
Shoeburyness	1018.0	+1	N	4	o	37	85	7	2500	SrCu	10	-	10	.
Grain	1018.1	+1	N'E	5	o	37	85	7	4000	St	6	ASt	10	3
Lympne	1016.9	+2	N'E	5	or.r.	35	97	5	450	Nb	10	-	10	.
Scilly (St. Mary's) ...	1018.9	0	ESE	2	bc	42	92	6	4000	SrCu	4	-	4	3
Falmouth (Pendennis)	1019.9	+3	NE	4	c+	39	85	7	4000	St	8	-	8	1
Plymouth (Cattewater)	1019.6	+1	NNE	2	b	39	85	8	2500	SrCu	2	-	2	0
Portland Bill	1017.5	+3	NE	5	o+	39	85	6	2500	St	10	-	10	4
Southampton (Calshot)	1019.4	+3	N'E	4	c	37	75	8	4000	SrCu	8	-	8	0
Dungeness	1015.7	+2	NNE	5	o	37	97	7	1500	St	10	-	10	5
Jersey 7h }	1016.9	⊕	NNE	3	o/r	42	92	7	2500	Cu Nb	10	-	10	3
Guernsey 1h }														

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

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night 7-8 °F.	Temperature. Max. Day 8 °F.	Rainfall.† Night 17h.-8h. 7-8 mm.	Rainfall.† Day 8h.-17h. 8 mm.	Sunshine. Sunrise to 17h. 8 hr.	Sunshine. Sunrise to Sunset. 7 hr.
Montrose	*	*	42	44	2	1	0.0	1.0
Llandudno	o	o	42	46	-	-	0.0	0.0
Colwyn Bay ...	che	bco	41	45	-	-	0.0	0.2
Rhyl	c	c	43	45	-	-	0.1	0.2
Southport	cco	opco	40	47	-	0.1	0.8	2.6
Blackpool ...	oco	o	40	48	-	-	1.0	3.4
Ilkley	od.bc	domo	40	46	1	0.3	0.8	0.2
Harrogate	oc	o	39	43	1	0.3	0.1	1.2
Skegness	co	o	40	43	8	0.1	0.7	3.0
Aberystwyth ...	ocb	b	42	48	-	-	4.5	0.5
Bath	bcb	bbcop	43	50	1	0.3	5.2	0.6
Leamington Spa ...	cb	cboro	42	48	-	1	1.5	1.7
Lowestoft	o	omr	39	43	0.3	1	0.0	0.6
Felixstowe	omem	opoem	41	46	4	1	0.8	1.2
Southend	o	oor	40	44	2	0.2	0.0	0.2

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night 7-8 °F	Temperature. Max. Day 8 °F	Rainfall.† Night 17h.-8h. 7-8 mm	Rainfall.† Day 8h.-17h. 8 mm	Sunshine. Sunrise to 17h. 8 hr	Sunshine. Sunrise to Sunset. 7 hr
Paignton	b.bcc	bc	44	53	-	-	7.3	7.2
Ilfracombe	b.bc	bcclbc	44	51	-	-	5.1	0.8
Bude	wbc	bcc	45	51	1	-	7.0	0.8
Penzance	bc	bc	45	52	-	-	7.7	7.2
Torquay	b	b	44	53	-	-	6.5	8.2
Weymouth	bc	bcc	42	53	-	-	6.4	4.3
Bournemouth	b	b	43	51	-	-	6.3	2.7
Portsmouth (S'thsea)	obc	hbc	43	50	1	0.3	2.5	2.2
Worthing	b	bc	41	48	4	-	4.3	2.8
Brighton	orro	rocbc	43	?	5	1	2.6	?
Eastbourne	or	oco	42	49	4	1	1.1	2.2
Hastings	o	oco	41	46	6	-	-	1.7
Folkestone	c	c	42	49	12	-	1.1	1.7
Tunbridge Wells ...	opo	opo	41	46	3	1	0.2	2.0
Ramsgate	b.bco	obco	40	44	1	-	0.7	2.4
Margate	o	o	42	44	1	-	0.2	1.9
Deal	or	oo	42	48	3	-	0.2	3.3

* Information for these stations not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 22388 SATURDAY, 10th MARCH 1923. Page 1.

Observations at 1800 G.M.T. 9th (left block) / Observations at 1800 G.M.T. 9th (right block)

Stations	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea§ 0-9
Lerwick	1023·9	-1	–	0	bc	43	75	8	4000	St.Cu	5	–	5	•	1022·6	-2	SSE	1	c	41	65	8	5700	StCu	5	ACu	7	0
Stornoway	1023·0	-2	ESE	3	b	45	85	7	4000	Cu	3	–	3	•	1020·8	-2	E	2	b-	42	85	7	4000	Cu	1	–	1	1
Wick	1023·8	-1	E	2	o	42	92	8	2500	St.Cu	9	–	9	•	1022·2	-2	SE	2	o	40	97	8	5700	StCu	9	–	9	0
Castlebay	1022·6	-2	SE	3	c	45	75	8	2500	St.Cu	6	–	6	•	1020·5	-1	SE	4	b	44	75	8	4000	StCu	2	–	2	3
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1021·7	•	NE	1	bc-	41	85	8	4000	StCu	6	–	6	•
Aberdeen	1024·1	-1	NE	2	b	45	75	7	2500	Cu	2	–	2	1	1023·0	+1	ENE	1	bc	39	85	6	2500	StCu	3	–	3	0
Malin Head	1021·3	-2	ESE	4	c	43	75	8	4000	St.Cu	7	–	7	•	1019·0	-2	SE	3	c	43	75	8	5700	StCu	6	ACu	8	3
Renfrew	1023·1	-2	ENE	1	o-	44	75	5	4000	St.Cu	10	–	10	1	1021·7	-1	NE	1	o	43	75	5	4000	StCu	10	–	10	•
Edinburgh (Inchkeith)	1023·4	-2	NE	1	o	43	85	8	*	St.Cu	7	A.St	10	•	1021·9	-2	ESE	1	o	40	92	7	–	StCu	10	–	10	1
Leuchars	1022·9	-2	ENE	2	c-	44	85	7	4000	St.Cu	4	A.Cu	7	0	1021·7	-1	ENE	1	o	41	85	7	2500	StCu	10	–	10	•
Eskdalemuir	1023·0	-1	NE	4	opr₀	38	92	6	1500	Nb	10	–	10	2	1021·7	-0	ENE	2	opr₀	37	85	6	1500	StCu	10	–	10	•
Tynemouth	1022·6	0	E	2	ojp	42	75	6	4000	Nb	10	–	10	•	1021·9	0	E	2	o	38	85	7	4000	StCu	10	–	10	1
Blacksod Point	1019·2	-2	SE	2	bc	46	85	8	–	CuNb	4	–	4	•	1017·1	-1	SE	4	b	46	75	7	–	CuNb	3	–	3	3
Donaghadee	1022·5	-1	ESE	3	bc	43	75	8	4000	St.Cu	3	A.Cu	5	•	1020·8	-1	SE	3	bc	43	75	8	4000	StCu	5	–	5	3
Birr Castle	1020·8	•	SE	1	o	45	75	8	4000	St.Cu	9	–	9	•	1018·6	•	SE	1	o	43	85	6	1500	StCu	9	–	9	•
Holyhead	1021·5	-1	NE'E	3	bc	45	75	8	4000	Cu	6	–	6	0	1020·2	-1	E	3	o+	42	85	7	2500	StCu	10	–	10	2
Liverpool (Bidston)	1021·2	-1	NNE	1	o	41	75	4	800	CuNb	10	–	10	•	1020·4	0	E'N	3	bc	38	75	5	2500	Cu	2	ASt	4	3
Chester (Shotwick)	1021·3	-1	–	0	od₀	39	92	4	1500	St.	10	–	10	1	1020·4	0	E	2	mmo	38	75	4	2500	StCu	10	–	10	•
Spurn Head	1021·9	0	NE	3	odd	38	97	6	2500	Nb	10	–	10	*	1020·8	-1	NE	3	odd₀	38	97	8	4000	Nb	10	–	10	4
Nottingham	1020·8	0	NE	3	o	39	85	7	1500	St.Cu	1	A.St	10	•	1020·7	0	NE	2	o/r	37	92	6	1500	Nb	10	–	10	3
Cranwell	1021·5	•	NE'N	3	odd₀	37	92	6	1500	St.Cu	10	–	10	/	1021·5	0	N'E	3	o	36	97	6	1500	St	10	–	10	•
Gorleston	1019·4	+1	NE	4	o	40	92	6	4000	Nb	10	–	10	*	1019·7	0	NNE	5	o	39	92	7	4000	Nb	10	–	10	
Valencia (Cahirciveen)	1018·4	-3	SE	3	bc-	50	65	8	2500	StCu	4	ACu	1	1	1015·3	-2	ESE	4	c+	46	75	6	1500	St	8	–	8	1
Roches Point	1019·9	-1	E	4	or₀	45	85	6	2500	Nb	10		10	•	1016·2	-1	SE	3	c-	44	85	7	2500	StCu	7	CiCu	8	3
Pembroke (St. Ann's H.)	1020·6	-1	NE	3	bc	44	75	8	4000	Cu	5	–	5	•	1019·5	-1	E	3	ojp	42	85	8	2500	Nb	10	–	10	2
Ross-on-Wye	1020·2	-1	E	3	o	39	75	7	2500	St.	10	–	10	0	1019·7	-1	E'N	2	o	39	75	7	1500	St	10	–	10	•
Benson	1019·4	0	ENE	4	o	39	85	6	–	St	10	–	10	1	1019·2	0	NE	3	o	38	97	6	–	St	10	–	10	•
Andover	1018·9	0	NNE	4	o+	40	85	8	2500	St.Cu	10	–	10	1	1018·7	0	NE	3	o	39	92	6	1500	St	10	–	10	•
S. Farnborough	1018·6	-1	NNE	3	o	39	85	6	1500	St.Cu	10	–	10	2	1018·6	0	NE	2	or₀+	39	92	5	800	St	10	–	10	•
London (Kew Obsy.)	1019·1	-1	NNE	3	or₀	40	85	5	2500	Nb	9	A.St	10	2	1018·8	0	NE	3	o/r	41	75	4	2500	Nb	8	ASt	10	•
Croydon	1019·0	0	NNE	3	odd	38	92	4	800	St	10	–	10	2	1018·7	0	NE'E	3	o/r	39	85	5	1500	St	10	–	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1018·4	0	N	3	o	40	92	7	2500	St	10	–	10	2
Shoeburyness	1018·8	+1	NE	3	od₀	41	85	7	1500	Nb	10	–	10	•	1018·7	0	NE	1	o	40	85	7	2500	StCu	10	–	10	•
Grain	1018·7	+1	NE	5	o	41	85	6	1500	St.	10	–	10	2	1018·8	0	NE	5	od₀	41	85	7	1500	Nb	10	–	10	3
Lympne	1017·5	0	NE'N	4	o	42	85	6	1500	St.Cu	9	–	9	2	1018·5	+2	NE	3	o	39	92	6	800	St	10	–	10	•
Scilly (St. Mary's)	1018·8	0	E	2	bc	47	75	7	4000	St.Cu	4	–	4	•	1018·7	-1	ESE	2	b	42	75	8	4000	StCu	3	–	3	2
Falmouth (Pendennis)	1020·3	0	E	4	c	41	75	8	5700	Cu	8	–	8	•	1018·6	-2		0	bc-	42	75	8	4000	Cu	6	–	6	0
Plymouth (Cattewater)	1019·0	-2	E	3	b	43	75	8	2500	St.Cu	1	–	1	0	1018·5	0	E	2	b-	41	75	7	4000	StCu	2	–	2	0
Portland Bill	1017·5	0	NE	5	bc-	45	85	7	–	–	0	A.Cu	5	•	1017·5	0	SE	4	c+	43	85	7	1500	StCu	7	–	7	3
Southampton (Calshot)	1018·6	-1	NNE	4	c	43	85	7	2500	St.Cu	7	–	7	0	1018·6	+1	NNE	3	mo+	41	85	5	1500	St	10	–	10	0
Dungeness	1016·6	+1	NE	4	o	44	85	7	4000	Cu	10	–	10	•	1017·1	0	NE	3	o	41	92	7	4000	StCu	10	–	10	4
Jersey	1017·3	0	NE	3	c/r	44	85	7	4000	StCu	7	–	7	•	1016·5	0	NE	3	c	44	75	7	4000	StCu	8	–	8	3

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day
	24 Hours ended 0900 G.M.T. 10th										
Kew } 24 hours ended 0700	o/prs	o/pm bpm	omd	•	•	36	Tr.	0.1	0.0	•	•
Croydon } 24 hours ended 0700	ojmd	omdd	omdr₀	•	•	35	0.2	1	0.0	•	•
Greenwich (Royal Obsy.)	oid	oid	oldir	42	36	36	–	1	0.0	86	95
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	•	•	•	43	37	36	0·7		0.0	84	94
Regent's Pk. (Botanic Gdns.)	•	•	•	•	•	•	•	•	0.0	•	•
Camden Square	0	0	•	41	35	35	–	1	•	•	97
Kensington Palace	0	0	•	41	35	34	–	0.6	•	76 (18h)	96
Hampstead Observatory	•	•	•	39	34	32	0.3	1	0.0	•	95

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 1800 G.M.T. 9th

South Kensington	Max.	Time	Min.	Time
	0.6 / 1.0	19h. 8th / 15h. 9th	<0·3	1-6h 9th

Kew Observatory	Max.	Time	Min.	Time
	0·3 / 0.4	18h. 8th / 16h. 9th	<0·3	5h 9th

Pole Star Record at Greenwich Obsy.

Exposure from 9th 18 h. 45 m. to 10th 05 h. 30 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10.45	0.0	Nil
δ Ursae Minoris	10.45	0.0	Nil

Code for State of Ground.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep.
4 = Bare ground frozen (but more than 2 ins. deep.
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1300 & 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	6	–	145
18h.	C	5	–	30
01h.	C	5	–	40
07h.	C	5	–	20

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 10th & 11th March, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·22 / 6·20	12·4 / 12·3	5·45 / 5·47
Greenwich	6·28 / 6·26	12·11 / 12·10	5·53 / 5·55
Wick	6·47 / 6·44	12·23 / 12·22	5·59 / 6·1
Valencia	7·11 / 7·8	12·52 / 12·51	6·34 / 6·35

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r₀r₀ = continuous light rain.

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

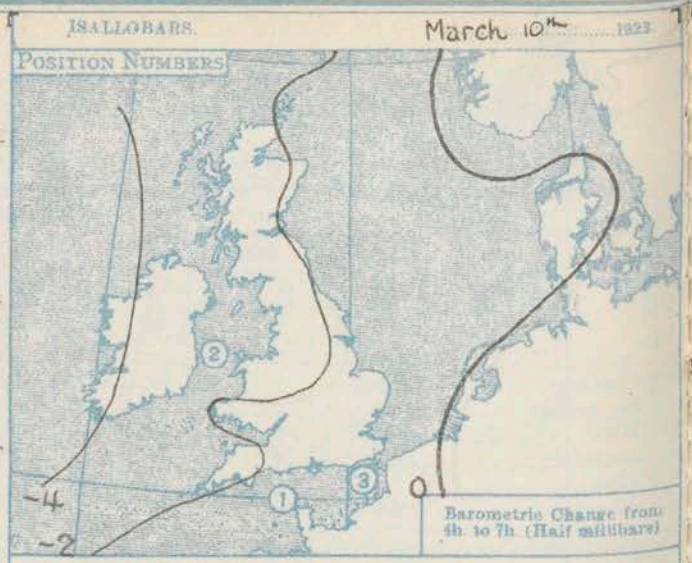
Sea Disturbance.
0 = no swell }
1 = mod. swell } Calm or slight sea.
2 = heavy swell }
3 = no swell }
4 = mod. swell } Moderate sea.
5 = heavy swell }
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 8.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 9th	Weather. 13h.-18h. 9th	Weather. 18h. 9th to 1h. 10th	Weather. 1h.-7h. 10th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun. 9th Hours.
Lerwick	bcp	c	o	oqr	44	34	•	0·1	3	<0800	01·30	3·3
Stornoway	b.bc	borbc	b bc	c	46	34	•	–	–	–	–	4·9
Wick	oo	oo	o	o	42	39	•	0·1	–	–	–	•
Castlebay	oc3	c3b	b	bo	46	41	•	–	Trace	–	–	9·1
Nairn	dcbc	bcc	cqbc	cbc	41	36	•	1	–	<0800	–	2·0
Aberdeen	porhv	bbcm	cor	o	45	36	30	0·3	0·4	0900	<21·00	1·4
Malin Head	cov	cov	bxv	co3	44	35	•	–	–	–	–	3·6
Renfrew	omm	o33	om	oom	44	32	28	–	–	–	–	0·4
Edinburgh (Inchkeith)	oo	oo	oo	o	45	36	34	–	–	–	–	0·9
Leuchars	omoc	oo	obrro	o	45	34	27	–	1	–	<21·00	1·4
Eskdalemuir	ofr	opr	oprbc	bco	41	31	29	0·3	0·1	0900	<21·00	1·2
Tyuemouth	mmp	oo	oo	obm	42	35	33	1	0·1	0900	02.30	•
Blacksod Point	b.bc	b-bc		oo	46	35	•	–	–	–	–	•
Donaghadee	bc	bc					•					•
Birr Castle	co	co	co3	bc3	49	30	21	–	T	–	–	3·1
Holyhead	ocbc	bcorp	ocbcb	bcom	46	33	28	Trace	–	1330	–	3·6
Liverpool (Bidston)	bcpom	bcm	o	o	42	36	31	0·3	–	1100	–	1·2
Chester (Shotwick)	odddm	ocmo3	o3mf	off	42	35	27	0·4	–	1100	–	1·4
Spurn Head	r.d	rord	oo	oo	38	38	–	0·1	Trace	0900	<21·00	0·0
Nottingham	oo	d	o	o	39	35	34	0·1	–	1630	–	0·0
Cranwell	omd	oddo	oo	o	38	34	33	0·4	Trace	12·30	<21·00	0·0
Gorleston	oq	oo	od	od	41	38	38	–	0·4	–	<21·00	0·0
Valencia (Cahirciveen)	bcbc	bc c3	bc	bcc	52	41	39	–	0·3	–	06.30	5·4
Roches Point	[illegible]	oimgo	c	co	47	42		0·3	–			
Pembroke (St. Ann's H.)	c	c	opc	oprhc	46	38	•	–	0·2	–	02.30	4·4
Ross-on-Wye	cobcgo	oo	gom	o	40	36	35	–	–	–	–	0·6
Benson	co	o	o	o	40	35	35	Trace	–	–	–	•
Andover	cbcco	oom	om	omo	41	36	34	–	–	–	–	2·1
S. Farnborough	omd	orqm	rom	o	40	35	34	Trace	0·2	0900	<21·00	0·0
London (Kew Obsy.)	spors	orm pom	omomdm	omm	42	37	36	Trace	0·1	0900	<21·00	0·0
Croydon	o3md	omda	omdr	omdd	41	35	35	0·2	1	0900	<21·00	0·0
Clacton-on-Sea		og	og	og	40	37	37	0·3	–	<0800	–	0·0
Shoeburyness	oddoid	oid o	oir o	oold	41	36	36	0·2	0·6	<0800	22·00	0·0
Grain	mid	ooid	ooid	oir o	41	37	36	0·1	0·2	0900	<21·00	0·0
Lympne	ordo	ombm	omd	odm	43	37	36	0·2	0·1	<0800	06·30	0·3
Scilly (St. Mary's)	bc	borbc	cbc	bbc	48	40	•	–	–	–	–	6·3
Falmouth (Pendennis)	cbcc	cbc	bcb	bccod	44	37	•	–	0·1	–	06·30	4·3
Plymouth (Cattewater)	bob	bob	b	bor	45	34	27	–	2	–	04.30	4·6
Portland Bill	oc	c	co	o	47	38		–	–	–	–	•
Southampton (Calshot)	c	com	om	o	44	37	37	–	–	–	–	4·5
Dungeness	oo	oo	oo	o	44	39		–	Trace	–	24.00	•
Jersey	opc	cbcco	oco	o	45	38	•	2	–	0900	–	0·6



Observations from Cross Channel Steamers.

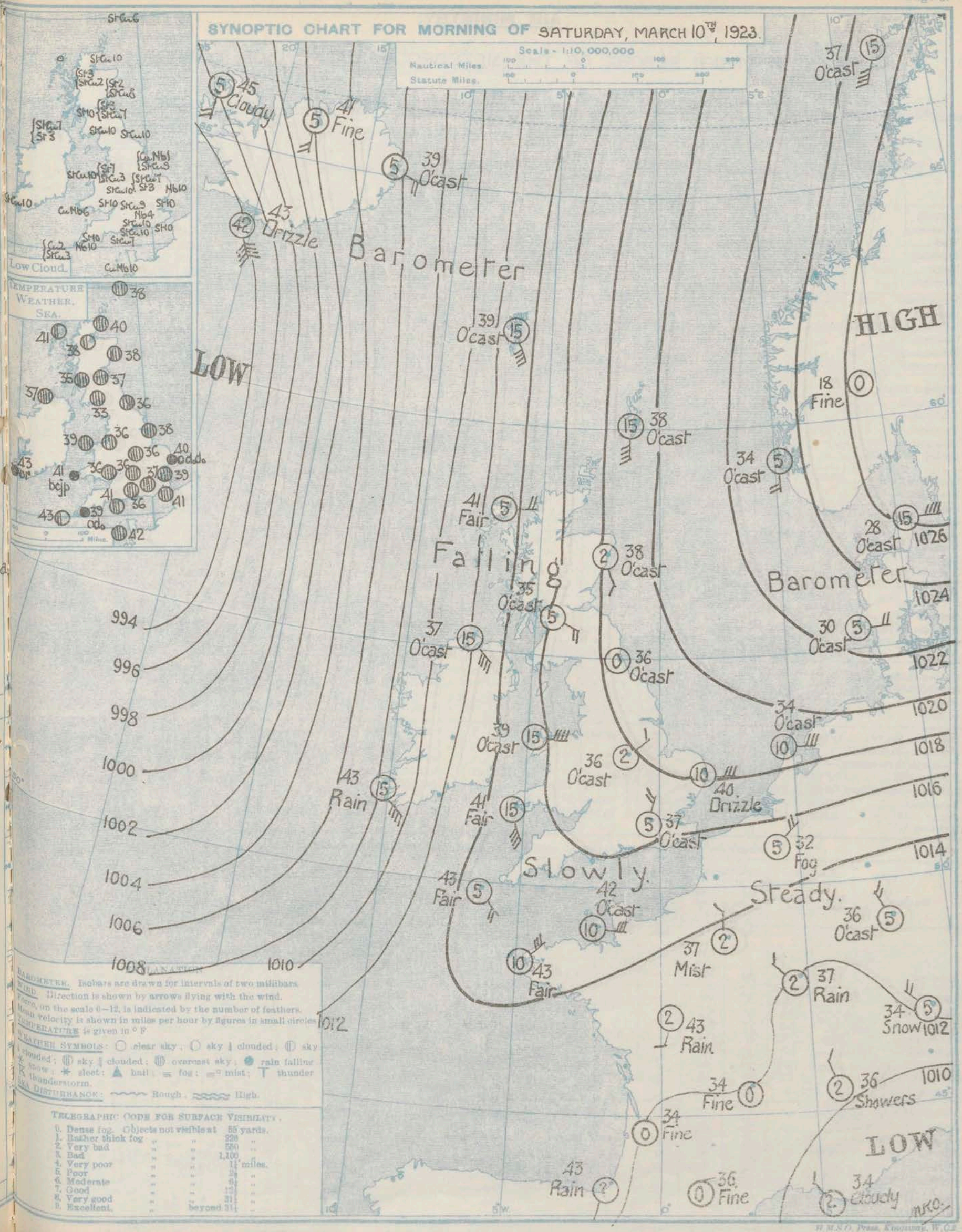
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	9th 10h	Cambria	E	4	c	43	46	8
3	10th 3h	Arundel	ENE	2	od	41	48	5

General Inference.

Although pressure is falling slightly over the British Isles, the large anticyclone over Northern Europe continues and cloudy and rather cold unsettled weather is likely to be maintained with easterly winds over Eastern England and southeasterly to southerly winds further west and north.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 10th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light or moderate easterly winds; much cloud, occasional sleet or drizzle; visibility poor to moderate; rather cold.	Unsettled and rather cold in E. and S.E. England; outlook for the West and North with-held.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light to moderate E. to S.E. winds; mainly cloudy, with rain or drizzle at times but some fairer periods; visibility moderate; rather cold.	
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light to moderate southeasterly winds; much cloud, occasional drizzle; visibility moderate; rather cold.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Moderate S.E. to S. winds; freshening later; much cloud, slight rain or drizzle at times; visibility moderate; rather cold.	
18. N.E. Ireland 19. S.E. Ireland	Moderate S.E. to S. wind; dull, some rain or drizzle; visibility moderate; rather cold.	
20. S.W. Ireland	Same as 14 to 17.	

† For Code see opposite page.



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 ° F

WEATHER SYMBOLS: ○ clear sky; ◐ sky ½ clouded; ◑ sky ¾ clouded; ◒ overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ≡ mist; T thunder; ⚡ thunderstorm.

SEA DISTURBANCE: ~~~ Rough. ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0. Dense fog.	Objects not visible at	55 yards.	
1. Rather thick fog	" "	220	"
2. Very bad	" "	550	"
3. Bad	" "	1,100	"
4. Very poor	" "	1¼	miles.
5. Poor	" "	2½	"
6. Moderate	" "	6½	"
7. Good	" "	12½	"
8. Very good	" "	31½	"
9. Excellent.	"	beyond 31½	"

H.M.S.O. Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION..SATURDAY, 10TH MARCH.....1923. No. 69.....

Observations at 0100 G.M.T. 10th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1022.1	-3	SW	3	ojp	37	85	7	4000	CuNb	10	-	10	•
Stornoway	1018.5	-3	-	0	o+	•	•	5	•	•	•	•	•	•
Wick	1019.0	-3	S	3	o	40	97	9	5700	St.Cu	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1016.3	-3	SSE	3	b+	36	92	8	5700	St.Cu	2	-	2	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1019.8	-2	SSE	1	bc-	38	85	8	-	St.Cu	4	A.Cu	6	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1020.3	-2	E	1	o	37	85	7	4000	St.Cu	10	-	10	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1017.9	-2	E	2	b-	36	92	8	-	-	0	-	0	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1019.8	-1	ENE	2	o	38	92	7	2500	St	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Cranwell	1015.7	-2	-	0	o	35	97	6	1500	St	10	-	10	•
Gorleston	1018.7	0	NNE	4	odd.	38	92	7	2500	Nb	10	-	10	•
Valencia (Cahirciveen)	1013.2	-3	E'S	2	bc+	41	85	9	-	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1016.8	-3	E	3	or	39	75	7	1500	Nb	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	39	•	•	•	•	•	•	•	•
Croydon	1018.1	-1	NE'E	3	o/r	37	92	6	800	Nb	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1016.8	-1	N'E	3	odd.	38	97	6	800	Nb	10	-	10	•
Scilly (St. Mary's) ...	1015.8	-3	ESE	2	b	41	75	8	4000	St.Cu	3	-	3	•
Falmouth (Pendennis)	1016.0	-2	E	2	b-	41	75	8	-	-	0	-	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1017.4	-3	NE	5	o+	42	85	6	-	-	0	A.St	10	•
Southampton (Calshot)	1017.5	-3	NE'E	3	o	40	85	7	1500	St	10	-	10	•
Dungeness	1016.0	-1	NE	2	ojp	39	97	7	1500	St	10	-	10	•
Jersey 7h }	1016.1	-3	ENE	4	c	43	85	6	5700	St.Cu	7	-	7	•
Guernsey 1h }														

Observations at 0700 G.M.T. 10th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1018.1	-3	S	4	o-	38	75	8	5700	StCu	6	ASt	9	3
Stornoway	1013.8	-3	E	2	bc	41	85	6	-	-	0	ASt	6	1
Wick	1016.3	-2	SSW	3	o	40	92	8	5700	StCu	10	-	10	1
Castlebay	1013.3	-1	SSE	5	o	41	75	7	1500	Nb	10	-	10	6
Nairn	1015.7	•	SE	2	bc	38	85	8	4000	Cu	5	-	5	•
Aberdeen	1018.6	-2	SSE	1	o	38	85	6	1500	StCu	10	-	10	0
Malin Head	1011.8	-3	SE	4	o+	37	92	7	2500	StCu	10	-	10	2
Renfrew	1014.1	-3	ESE	2	o	35	85	6	4000	St	10	-	10	2
Edinburgh (Inchkeith)	1017.2	-2	NW	2	o-	37	85	8	-	StCu	10	-	10	•
Leuchars	1017.2	-2	E	1	o	36	85	8	4000	StCu	10	-	10	•
Eskdalemuir	1017.5	-3	SE	2	o	33	75	6	2500	StCu	10	-	10	•
Tynemouth	1018.1	-2	-	0	o	36	85	6	4000	StCu	10	-	10	0
Blacksod Point ...	1005.8	-6	SSE	6	o/r	42	75	3	—	Nb	10	-	10	6
Donaghadee	1012.2	•	SE	1	bc-	35	97	7	2500	Cu	4	-	4	•
Birr Castle	1015.6	-3	E	4	o-	39	85	6	2500	StCu	10	-	10	0
Holyhead	1016.8	-3	ESE	2	o	36	92	4	1500	St	10	-	10	3
Liverpool (Bidston) ...	1017.2	-3	ESE	1	fog	36	92	3	1500	St	10	-	10	•
Chester (Shotwick) ...	1018.2	-1	NE	1	o	38	97	8	4000	StCu	10	-	10	3
Spurn Head	1017.8	-1	NE	1	o	36	92	6	1500	StCu	10	-	10	•
Nottingham	1018.6	-2	NE'N	1	o	35	97	6	2500	StCu	10	-	10	•
Cranwell	1018.4	-1	E	3	odd.	40	92	6	2500	Nb	10	-	10	2
Gorleston	1008.2	-5	SE	4	or	43	85	6	800	StCu	10	-	10	6
Valencia (Cahirciveen)	1011.5	-3	SE	5	o	44	92	7	2500	StCu	10	-	10	6
Roches Point	1014.5	-1	SSE	4	bcjp	41	75	7	1500	CuNb	6	-	6	2
Pembroke (St. Ann's H.)	1016.7	-2	E'S	2	o	36	85	7	2500	St	10	-	10	•
Ross-on-Wye	1016.9	-1	NE	1	o	36	85	7	2500	StCu	9	-	9	•
Benson...	1016.2	-1	NE	3	o	36	85	7	4000	StCu	10	-	10	•
Andover	1016.9	-1	ENE	2	o	36	92	7	1600	StCu	10	-	10	•
S. Farnborough ...	1017.0	-1	N'E	2	o	37	85	6	1500	Nb	4	ASt	10	•
London (Kew Obsy.) ...	1016.8	-1	NNE	1	odd.	36	97	4	450	Nb	10	-	10	•
Croydon	1016.5	-1	N	3	o	39	92	7	2500	St	10	-	10	1
Clacton-on-Sea ...	1016.5	-1	N	2	o/r	38	85	7	1500	StCu	10	-	10	•
Shoeburyness	1016.7	-1	NNE	4	o	39	92	6	1500	St	10	-	10	0
Grain	1015.6	-2	NNE	2	o	38	97	6	800	St	10	-	10	•
Lympne	1014.2	-2	SE'E	2	bc	43	75	8	4000	StCu	5	-	5	2
Scilly (St. Mary's) ...	1014.9	-2	NE	2	od.	39	97	6	2500	Nb	10	-	10	0
Falmouth (Pendennis)	1014.8	-1	E	1	or	40	97	6	800	St	10	-	10	0
Plymouth (Cattewater)	1014.4	-3	NE	5	c-	41	85	6	1500	StCu	7	-	7	3
Portland Bill	1016.3	-2	NE'N	2	o	38	85	6	4000	StCu	10	-	10	0
Southampton (Calshot)	1015.4	-1	ESE	3	o	41	85	7	1500	St	10	-	10	3
Dungeness	1014.6	0	E	3	o	42	85	7	1500	CuNb	10	-	10	3
Jersey 7h }														
Guernsey 1h }														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 8th-9th. °F.	Temperature. Max. Day. 9th. °F.	Rainfall.† Night 17h.-9h. 8th-9th. mm.	Rainfall.† Day 9h.-17h. 9th. mm.	Sunshine. Sunrise to 17h. 9th. hr.	Sunshine. Sunrise to Sunset. 8th. hr.
Montrose	*	*	34	44	-	-	0.2	0.0
Llandudno	bc	poum	37	44	-	-	3.1	0.0
Colwyn Bay ...	cbcc	ohc	37	43	-	1	2.9	0.0
Rhyl...	bc	pc	37	43	-	1	3.2	0.1
Southport	pop	hoc	37	43	-	0.4	2.6	0.8
Blackpool	co	co	37	44	-	-	2.7	1.0
Ilkley	odom	c	34	40	1	-	0.6	3.8
Harrogate	oc	co	34	38	2	0.1	0.2	0.1
Skegness	0	0	36	40	-	-	0.0	0.7
Aberystwyth ...	cb	0	38	45	-	-	2.5	4.5
Bath	oc	co	36	43	-	-	1.2	5.2
Leamington Spa ...	0	0	35	40	-	-	0.0	1.5
Lowestoft	0	0	37	41	1	-	0.0	0.0
Felixstowe	om	o	36	40	1	-	0.0	0.8
Southend	0	oc	35	41	1	-	0.0	0.0
Paignton	bcc	cbccb	38	44	-	-	3.8	7.5
Ilfracombe	ocbc	bbc	39	~~44~~	-	-	6.6	5.1 7.0
Bude	bc	bcbbc	36	51	-	-	7.83	~~6.2~~
Penzance	bc	bcc	38	48	1	-	6.8	7.7
Torquay	c	b	39	45	-	-	3.4	6.5
Weymouth	bc	bco	37	47	1	-	5.7	6.4
Bournemouth ...	bbcc	bcc	35	45	-	-	4.2	6.3
Portsmouth (S'thsea)	b	om	36	46	-	-	5.2	2.5
Worthing	c	o	37	44	-	-	0.3	4.3
Brighton	o	o	36	44	-	-	0.1	2.6
Eastbourne	o	oco	36	45	0.2	-	0.8	1.1
Hastings	o	oco	35	45	3	-	0.0	0.6
Folkestone	o	o	37	45	-	-	0.5	1.1
Tunbridge Wells ...	odo	o	34	41	trace	trace	0.0	0.2
Ramsgate	o	oom	37	43	2	-	0.0	0.7
Margate	o	o	39	42	-	-	0.0	0.2
Deal	oo	oo	39	50	0.3	-	0.0	0.2

* Information for these stations not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 2. § See footnote page 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22389 SUNDAY 11TH MARCH 1923.

Observations at 1300 G.M.T. 10th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1017.1	0	S	4	b-	41	75	7	4000	CuNb	3	-	3	•
Stornoway	1010.4	-3	SSE	5	bc	43	75	6	-	-	0	ASr	6	•
Wick	1014.8	-2	SSE	4	o	40	97	8	5700	StCu	10	-	10	•
Castlebay	1009.1	-4	E	6	mm.o	41	85	6	800	St	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1016.4	-2	S	2	o	40	85	6	1500	St	7	ASr	10	1
Malin Head	1008.0	-3	SE	4	o	41	85	7	4000	Nb	6	ASr	10	•
Renfrew	1014.1	-3	SE	4	o	39	85	6	4000	StCu	10	-	10	1
Edinburgh (Inchkeith)	1015.1	-2	SSE	3	mmo	38	85	6	*	St	10	-	10	•
Leuchars	1015.3	-2	SE	4	o	40	75	7	7200	StCu	10	-	10	0
Eskdalemuir	1015.5	-1	SSE	3	o	35	75	7	1500	StCu	10	-	10	1
Tynemouth	1016.3	-2	SSE	2	c-	41	85	7	4000	StCu	8	-	8	•
Blacksod Point	1002.7	-4	SSE	6	oPR+	43	85	6	*	Nb	10	-	10	•
Donaghadee	1012.6	-3	S	4	o+	43	92	7	800	Cu	9	-	9	•
Birr Castle	1007.0	•	E	4	o+	44	75	6	800	St	10	-	10	•
Holyhead	1012.5	-5	SE'S	5	o	43	75	7	5700	StCu	10	-	10	3
Liverpool (Bidston)	1014.3	-3	SE'E	2	o	39	75	5	2500	CuNb	10	-	10	•
Chester (Shotwick)	1014.9	-3	SE	3	o	41	75	6	4000	StCu	10	-	10	1
Spurn Head	1016.5	-2	ESE	3	od.	41	97	6	450	Nb	10	-	10	*
Nottingham	1015.6	-3	SE	2	o	41	92	7	1500	Nb	7	A.Sr	10	•
Cranwell	1016.6	-2	ESE	3	o	42	85	7	1500	StCu	10	-	10	1
Gorleston	1017.3	-1	E'N	3	odd	42	92	6	2500	Nb	10	-	10	*
Valencia (Cahirciveen)	1002.4	-6	SE'S	7	ORR	45	92	6	1500	St	10	-	10	2
Roches Point	1007.1	-5	SSE	6	orr	44	92	6	1500	Nb	10	-	10	•
Pembroke (St. Ann's H.)	1011.9	-3	E	6	o	44	75	7	4000	StCu	10	-	10	•
Ross-on-Wye	1014.3	-3	ESE	2	bc	44	65	8	4000	Cu	5	-	5	0
Benson	1015.0	-3	E	2	o	41	85	6	*	St	10	-	10	1
Andover	1014.7	-2	ENE	3	o	41	85	7	1500	StCu	10	-	10	1
S. Farnborough	1014.9	-2	E	2	fo+	41	92	3	800	St	10	-	10	1
London (Kew Obsy.)	1014.8	-3	SE	1	o	43	85	4	1500	St	10	-	10	1
Croydon	1015.1	-3	NE	1	o/r	42	85	6	800	StCu	10	-	10	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1015.5	-1	E	1	o	43	75	8	2500	Cu	7	A.Sr	10	•
Grain	1015.6	-1	E'N	4	o+	44	75	7	4060	StCu	10	-	10	2
Lympne	1014.6	-3	E'S	3	o+	43	75	6	1560	St	9	-	9	2
Scilly (St. Mary's)	1011.4	-3	SE'S	4	o	41	85	7	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1012.5	-4	S	5	c+	47	75	7	4000	StCu	8	-	8	•
Plymouth (Cattewater)	1012.8	-3	ESE	3	o-	44	85	8	2500	St	10	-	10	2
Portland Bill	1013.8	-3	E	5	bc	45	85	7	-	-	0	ACu	6	•
Southampton (Calshot)	1014.4	-3	E	3	c-	43	85	7	2560	StCu	8	-	8	0
Dungeness	1014.7	-1	E	3	bc	44	75	7	4000	Cu	4	-	4	•
Jersey	1013.9	0	E	3	o	44	75	7	4000	StCu	10	-	10	•

Observations at 1800 G.M.T. 10th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1015.8	-2	S	5	or0+	41	85	7	4000	Nb	8	ASr	10	4
Stornoway	1008.4	-2	SSE	4	o+	42	85	6	1500	Sr	10	-	10	3
Wick	1012.3	-1	SSE	5	o	40	92	8	-	-	0	ASr	9	4
Castlebay	1007.0	-1	E	6	mmc	43	85	6	1500	St	8	-	8	7
Nairn	1012.2	•	-	0	bc	36	75	7	1500	St	4	-	4	•
Aberdeen	1015.5	-1	SSE	3	o	40	85	6	1500	StCu	10	-	10	0
Malin Head	1005.0	-2	SE	5	c	42	85	7	5700	StCu	5	CiCu	8	2
Renfrew	1012.5	-2	E	3	o-	38	75	6	7200	StCu	10	-	10	•
Edinburgh (Inchkeith)	1013.5	-2	ESE	3	mo+	39	92	6	*	StCu	10	-	10	2
Leuchars	1014.0	-1	SE	3	o	39	85	6	4000	StCu	10	-	10	•
Eskdalemuir	1013.6	-1	SE	3	o	36	85	7	1500	StCu	10	-	10	•
Tynemouth	1015.0	-1	S	3	o	41	85	8	4000	StCu	10	-	10	2
Blacksod Point														
Donaghadee	1010.6	-3	SW	4	bc	43	75	7	4000	Cu	4	ACu	5	4
Birr Castle	1003.1	•	SE	4	or0+	41	92	6	450	Nb	10	-	10	•
Holyhead	1010.2	-3	SE'E	4	o	44	85	6	5700	StCu	10	-	10	3
Liverpool (Bidston)	1012.1	-2	ESE	4	bc-	40	85	5	-	-	0	CiSr	4	4
Chester (Shotwick)	1012.5	-1	SE	3	bc	41	75	5	4000	StCu	2	Ci	5	•
Spurn Head	1015.3	-1	ESE	5	o/r	39	97	7	2500	StCu	10	-	10	4
Nottingham	1019.3	-1	SE	2	o	41	92	7	2500	StCu	10	-	10	•
Cranwell	1015.3	-1	E	3	o	40	97	6	800	Nb	10	-	10	•
Gorleston	1016.7	-1	SE'E	4	odd	38	97	6	4000	Nb	10	-	10	4
Valencia (Cahirciveen)	1001.9	+2	N	2	c/r	45	85	8	2500	St	8	-	8	3
Roches Point	1003.4	-5	SSE	6	orr	43	97	6	1500	Nb	10	-	10	7
Pembroke (St. Ann's H.)	1009.0	-3	SE	6	o	43	85	7	2500	St	10	-	10	4
Ross-on-Wye	1012.7	-1	SE	2	o-	41	75	7	2500	St	8	Ci	9	•
Benson	1013.3	-1	E	1	o	42	85	6	*	St	10	-	10	•
Andover	1013.1	-1	-	0	o	41	85	5	4000	StCu	10	-	10	•
S. Farnborough	1013.5	-1	ENE	2	mo-	42	85	5	2500	StCu	10	-	10	•
London (Kew Obsy.)	1016.6	0	ESE	3	o	42	75	4	2500	StCu	9	-	9	•
Croydon	1014.4	0	E'N	3	bc-	39	85	6	4000	StCu	2	CiSt	5	•
Clacton-on-Sea	1014.6	-1	E	2	orr0	41	92	6	2500	St	10	-	10	1
Shoeburyness	1014.6	-1	ENE	1	o/r	41	85	5	1500	StCu	10	-	10	•
Grain	1014.5	-1	ENE	2	o+	42	85	7	2500	StCu	10	-	10	0
Lympne	1014.2	-1	ENE	2	c+	37	85	7	2500	StCu	4	AC	7	•
Scilly (St. Mary's)	1007.8	-4	SE'E	5	orr	43	85	7	2500	Nb	10	-	10	5
Falmouth (Pendennis)	1009.4	-5	S	6	o	45	75	8	4000	StCu	10	-	10	4
Plymouth (Cattewater)	1010.7	-3	S	2	o	43	85	8	2500	St	10	-	10	0
Portland Bill	1012.3	-2	ESE	5	o+	44	85	7	2500	St	10	-	10	4
Southampton (Calshot)	1013.2	-1	ESE	4	o+	44	85	6	4000	StCu	10	-	10	6
Dungeness	1013.3	-2	E	3	bc	41	85	8	4000	Cu	5	-	5	3
Jersey	1011.8	-1	ESE	3	o	44	75	7	2500	StCu	10	-	10	3

LONDON OBSERVATIONS.	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 8h. G.M.T. % (To-day)
	24 Hours ended 0900 G.M.T. 11th										
Kew (24 hours ended 0700)	omdfom	omfom	obcom	•	•	34	-	-	0.0	•	•
Croydon (24 hours ended 0700)	omdf	ombc	bcom	•	•	26			0.2	•	•
Greenwich (Royal Obsy.)	oM	oc	bcom	47	36	30	-	-	1.0	69	85
City (Bunhill Row)	•	•	•		•	•	•	•		•	•
Westminster (St. James' Pk.)	•	•	•						0.1		
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	•	•	•
Camden Square	c	c	•	45	36	32	-	Tr.	•	•	88
Kensington Palace	o	oc	•	48	35	29	-	-	•	80 (18h)	87
Hampstead Observatory	•	•	•	-	-	-	-	-	0.1	•	-

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.
24 Hr. ended 1600 G.M.T. ...

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.
Exposure from ... h. ... m. to ... h. ... m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	-	-	-
δ Ursae Minoris	-	-	

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Bare for wet grass but not wet ground).
6 = Glazing today in 1300 & 1800 reports (Hoar frost in 0900 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 4 sec.	Stgth.	Direc.
13h.	C1C2	5	-	125
18h.	C1C2	6	-	135
01h.	C1C2	6	-	165
07h.	C1C2	6	-	140

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 11th & 12th March, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.20 / 6.18	12.3 / 12.3	5.47 / 5.48
Greenwich	6.26 / 6.24	12.10 / 12.10	5.55 / 5.56
Wick	6.44 / 6.41	12.22 / 12.21	6.1 / 6.3
Valencia	7.3 / 7.3	12.51 / 12.51	6.35 / 6.37

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
r_0r_0 = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

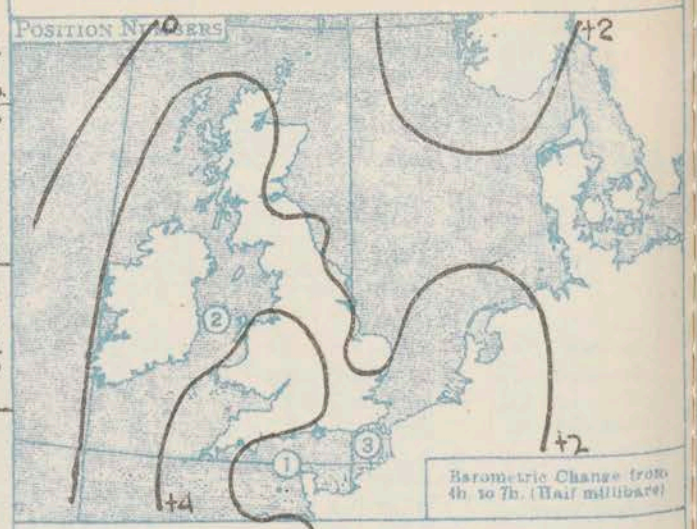
SEA DISTURBANCE.
0 = no swell, 1 = mod. swell, 2 = heavy swell } Calm or slight sea.
3 = no swell, 4 = mod. swell, 5 = heavy swell } Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	above 75

¹ For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.–13h. 10h	13h.–18h. 10h	18h. 10h to 1h. 11h	1h.–7h. 11h	Temperature. Max. Day. 7h.–18h.	Min. Night. 18h.–7h.	Min. on Grass	Rainfall.† Day. 7h.–18h. mm.	Night. 18h.–7h. mm.	Precipitation began.	Precipitation began.	Sun. 10h Hours.
Lerwick	bc	cp	ogp	c	42	34	·	0.6	0.4	1630	<21.00	2.5
Stornoway	c	c	c	oo	44	40	·	–	–	–	–	4.4
Wick	oo	oo	oir	oo	41	39	·	–	Trace	–	24.00	·
Castlebay	ocom	ompom	omop	opr	43	41	·	trace	1	–	22.00	0.9
Nairn	bcq	bcm	bcxb	bxm	44	33	·	–	–	–	–	5.0
Aberdeen	prs	om	opro	o	40	38	37	0.5	0.6	0900	<21.00	0.0
Malin Head	cod	coz	oir	oir	43	40		trace	1	1230	<21.00	0.3
Renfrew	ozo	oz	ocbc	bbx	40	32	24	–	–	–	–	0.0
Edinburgh (Inchkeith)	omm	mm	oo	ocbc	40	38	34	–	–	–	–	0.0
Leuchars	oo	oo	oprco	oo	41	38	35	–	0.3	–	<21.00	0.2
Eskdalemuir	oopso	oo	oo	oo	37	34	32	trace	–	1100	–	0.0
Tynemouth	oo	oo	omp	oo	42	38	36	–	1	–	<21.00	·
Blacksod Point	r-d		o	o	45	38	·		2.			·
Donaghadee	c	cmq	c	o	43	43	·	–	–	–	–	·
Birr Castle	coz	orr	orr	co	44	40	38	0.2	3	1630	<21.00	1.3
Holyhead	oom	oom	ocbv	bb	46	37	33	–	–	–	–	1.6
Liverpool (Bidston)	oom	cm	oo	oo	43	36	31	–	–	–	–	1.5
Chester (Shotwick)	ofmm	ocbcz	bcbom	oom	45	34	24	–	–	–	–	2.1
Spurn Head	ouoir	r-d	ol	c	41	36	*	0.4	–	0900	–	0.0
Nottingham	oo	oo	oo	oo	43	36	34	–	–	–	–	0.0
Cranwell	opd	oid	oo	oo	42	33	30	0.1	–	0900	–	0.0
Gorleston	odcod	r-d	od	oo	43	37	35	0.4	–	<0800	–	1.2
Valencia (Cahirciveen)	or	orc	r	bcbbc	47	37	35	29	1	<0800	–	0.0
Roches Point	orrm	orrm	rr	rro	46	43		12	10	1100	<2100	
Pembroke (St. Ann's H.)	oco	o	ogpr	o	44	42	·	–	0.3	–	24.00	0.8
Ross-on-Wye	ocbbc	bcco	cogorm	cmbmbo	45	33	26	–	–	–	–	3.6
Benson	o	o	c	occ	43	34	29	–	–	–	–	·
Andover	oo	oom	bm	obcbm	42	32	25	–	–	–	–	0.0
S. Farnborough	omof	ofom	ombm	cm	44	30	24	–	–	–	–	0.0
London (Kew Obsy.)	omdfo	omfom	ombmxom	ombm	45	37	37	–	–	–	–	0.0
Croydon	omdf	ombc	bcom	om	45	33	26	0.2	–	<0800	–	0.2
Clacton-on-Sea	og	ogr	ogrbc	bccog	45	39	35	1	0.2	1530	<21.00	0.5
Shoeburyness	o	or	o	oxo	46	34	28	trace	–	1730	–	1.0
Grain	omco	ococo	ocbbo	oop	45	34	33	–	Trace	–	04.30	1.8
Lympne	obcm	obcm	cbcb	bcox	44	33	29	–	Trace	–	–	2.7
Scilly (St. Mary's)	cx	oir	or	oir	48	42	·	1	7	1430	<2100	1.8
Falmouth (Pendennis)	obcc	co	omr	omro	49	43	·	–	9	–	<2100	3.5
Plymouth (Cattewater)	od	oro	bcb	bcc	45	44	31	3	–	<0800	–	0.1
Portland Bill	oc	co	oc	oo	47	40	38	–	–	–	–	0.2
Southampton (Calshot)	oo	c	c	c	44	39	·	–	–	–	–	·
Dungeness	bbc	bbc	bbc	bbc	45	39	·	–	–	–	–	·
Jersey	oco	oco	oco	o	46	38	·	–	–	–	–	4.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	10th 10h	Hibernia	SE	6	o	43	46	7
1	10th 13h	Ibex	ENE	3	bbc†	47	49	7
3	11th 3h	Dieppe	E	2	b	42	48	6

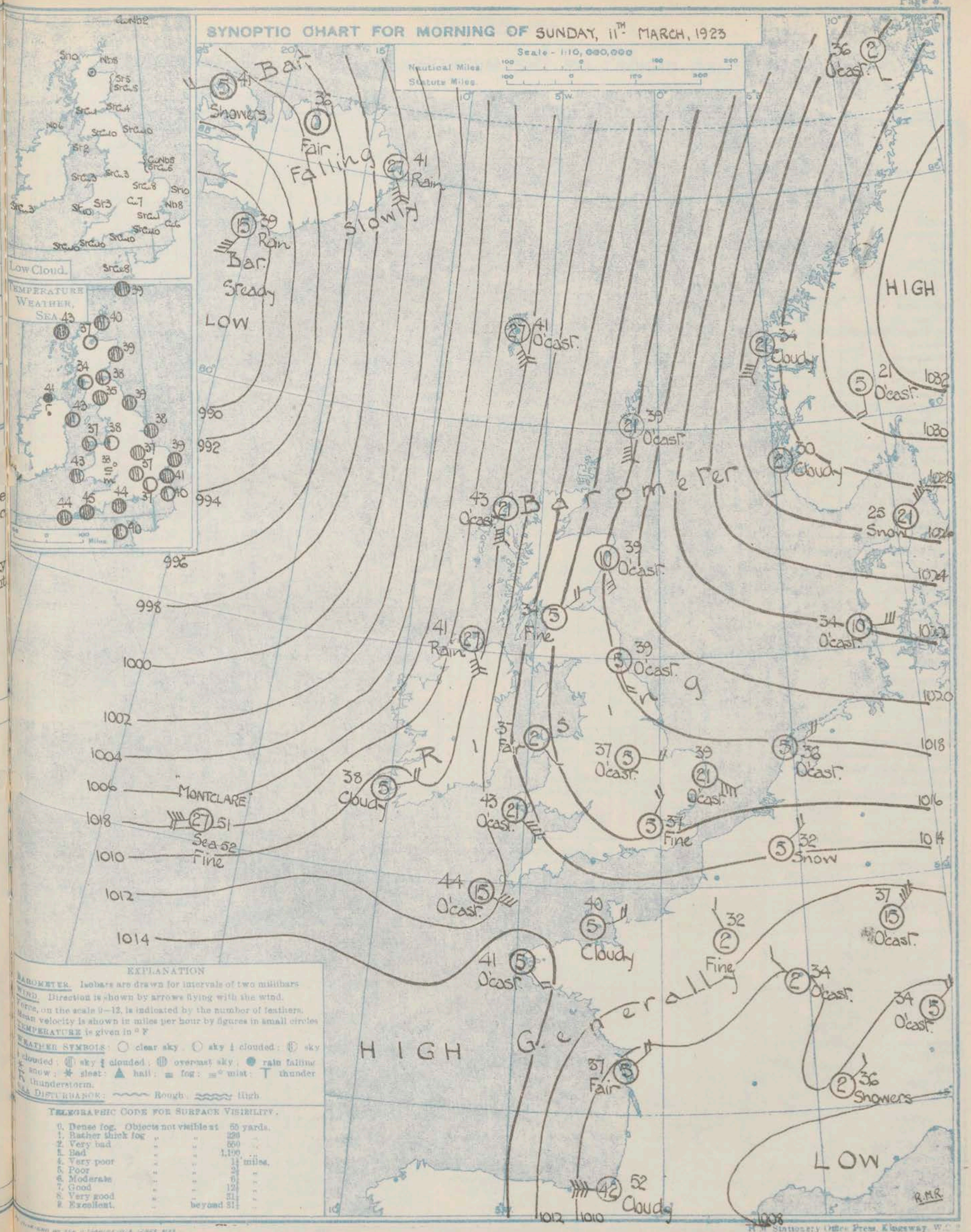
General Inference.

The general distribution pressure remains unchanged with high pressure over Northern Europe and low over the Northeast Atlantic. Winds will continue southerly in the North, strong at times in exposed places, with mainly cloudy weather and local drizzle or slight rain. In the Southeast winds will be lighter from E. or SE., with variable cloud, while secondary depressions will cause the weather in the Southwest districts to be changeable.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 11th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind E. or SE., light or moderate; variable cloud; some mist, fog in places night and morning; moderate day temperature; frost locally at night.	No material change.
5. S.W. England 6. South Wales	Wind mainly S.E., light or moderate, fresh at times; changeable, probably some rain or showers; visibility moderate or good; moderate temperature.	----
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind SE. to S., light or moderate, fresh in places; cloudy, fair intervals locally, risk of slight drizzle at times; visibility moderate; little change of temperature.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man ▽14. N. & N.W. Scotland ▽15. Hebrides ▽16. Orkneys and Shetlands	Wind southerly, fresh or strong in exposed places; cloudy, fair intervals locally; slight rain or drizzle in places; visibility moderate; little change of temperature.	▽ South cone hoisted 2030 GMT. 10/3/23.
17. N.W. Ireland 18. N.E. Ireland	Wind varying mainly between SE. and SW., fresh or strong at times; changeable, some rain or showers; visibility good; moderate temperature.	
19. S.E. Ireland	As 7 to 10.	
20. S.W. Ireland	As 5 and 6.	
	As 17.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1000 GMT. G. C. Simpson, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. SUNDAY, 11TH MARCH 1923. No. 70

Observations at 0100 G.M.T. 11th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1017.7	0	S	5	0	39	85	7	-	-	0	A.St	10	•
Stornoway	1010.2	0	SSE	7	0	•	•	5	•	•	•	•	•	•
Wick	1013.9	+1	SSE	6	or.	40	97	8	2500	Nb	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1006.9	+1	SSE	6	or.	42	92	7	5700	Nb	6	A.St	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1015.0	+1	S	1	o/f	40	92	8	-	-	0	A.St	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1016.1	+1	S	3	o/p	39	92	6	4000	Nb	10	-	10	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1012.0	+2	E'N	3	b-	39	85	9	-	-	0	-	0	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1016.6	0	E'N	3	0	37	92	8	4000	StCu	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1016.4	+1	E	2	o	36	92	7	1500	St	10	-	10	•
Gorleston	1016.2	0	ESE	2	o/r	38	97	7	2500	Nb	10	-	10	•
Valencia (Cahirciveen)	1008.0	+5	SW	2	b/r	?	97	8	-	-	0	-	0	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1009.9	+1	SE'S	6	o/r.	44	85	7	1500	Nb	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	1014.3	0	E'N	2	0	38	85	6	2500	StCu	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1013.1	0	NE	2	b	36	92	8	-	-	0	A.Cu	3	•
Scilly (St. Mary's) ...	1007.7	+1	SE'S	1	o/r	43	75	7	2500	Nb	10	-	10	•
Falmouth (Pendennis)	1009.1	+2	SE	5	o/r	43	97	6	1500	Nb	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1010.6	-2	SSE	5	o+	43	85	6	1500	StCu	10	-	10	•
Southampton (Calshot)	1012.6	0	ENE	4	c+	39	85	6	4000	StCu	7	-	7	•
Dungeness	1013.0	0	E	4	b	40	85	7	-	-	0	-	0	•
Jersey 7h }	1012.6	-1	SSE	4	0	42	85	7	4000	Nb	10	-	10	•
Guernsey 1h }														

Observations at 0700 G.M.T. 11th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1018.6	+1	S	5	0	39	85	7	4000	CuNb	2	ASt	9	4
Stornoway	1010.6	+2	S	5	0	43	85	6	800	St	10	-	10	4
Wick	1015.7	+1	SSE	6	c	40	92	8	2500	Nb	8	-	8	4
Castlebay	1009.8	+1	SE	6	or.	44	92	6	450	Nb	10	-	10	7
Nairn	1014.6	•	-	0	b	37	85	7	-	-	0	-	0	•
Aberdeen	1018.5	+2	SSE	3	0	39	75	7	1500	St	10	-	10	0
Malin Head	1009.7	+3	SSE	6	or+	41	92	7	4000	Nb	6	ASt	10	4
Renfrew	1016.3	+3	ENE	2	b	34	92	7	4200	StCu	1	-	1	•
Edinburgh (Inchkeith)	1016.3	+1	SE	4	bc+	38	85	7	-	StCu	4	-	4	3
Leuchars	1017.3	+3	SE	3	o	39	85	7	2500	StCu	10	-	10	•
Eskdalemuir	1017.6	+3	SE	2	o	35	85	7	2500	StCu	10	-	10	•
Tynemouth	1018.0	+2	SSE	2	o	39	85	7	4000	StCu	10	-	10	2
Blacksod Point ...	1010.1	+4	S	4	o/r	45	92	6	-	-	0	AST	10	4
Donaghadee	1014.6	+3	SSE	3	c-	43	85	8	1500	St	2	ASt	8	4
Birr Castle	1011.1	•	SE	1	o/r	41	97	7	2500	StCu	9	-	9	•
Holyhead	1014.7	+2	SE	1	bc+	37	92	8	2500	StCu	3	CuSt	4	0
Liverpool (Bidston) ...	1016.4	+4	ESE	2	bc-	38	92	6	2500	StCu	3	ASt	6	3
Chester (Shotwick) ...	1016.2	+3	S	2	0	37	85	5	1500	St	10	-	10	•
Spurn Head	1017.5	+1	E	3	0	38	92	7	4000	CuNb	10	-	10	4
Nottingham	1017.3	+4	E	2	0	37	92	8	2500	StCu	8	ACu	10	•
Cranwell	1018.0	+3	SSW	1	0	34	92	8	1500	StCu	9	-	9	•
Gorleston	1017.2	0	ESE	4	0	39	85	7	4000	St	10	-	10	4
Valencia (Cahirciveen)	1011.3	+3	E'N	2	c	38	92	7	4000	StCu	3	ASt	7	2
Roches Point	1012.2	-3	SSE	3	o	45	97	6	1500	St	10	-	10	6
Pembroke (St. Ann's H.)	1013.1	+3	SE	5	o	43	92	7	2500	St	10	-	10	4
Ross-on-Wye	1016.3	+4	SSE	1	mist	39	92	5	1500	St	3	ACu	5	•
Benson...	1016.2	+4	E	1	c	37	92	6	-	Cu	7	-	7	•
Andover	1015.9	+3	NE'E	2	b	33	97	6	4000	StCu	1	-	1	•
S. Farnborough ...	1016.0	+3	ENE	2	c+	34	97	6	2500	StCu	8	-	8	•
London (Kew Obsy.)...	1016.2	+3	NNE	2	b	37	85	6	2500	StCu	1	ACu	3	•
Croydon	1016.0	+3	—	0	o-	34	97	6	2500	StCu	10	-	10	•
Clacton-on-Sea ...	1015.8	+2	ENE	3	0	41	75	7	1500	Nb	8	ASt	10	2
Shoeburyness	1016.2	+1	NE	1	0	39	85	7	4000	StCu	5	ASt	10	•
Grain	1016.0	+2	NE	4	0	41	85	7	2500	Cu	10	-	10	0
Lympne	1014.7	+3	ENE	2	0	37	85	6	1500	StCu	10	-	10	•
Scilly (St. Mary's) ...	1011.6	+4	ESE	4	0	44	92	7	4000	StCu	10	-	10	5
Falmouth (Pendennis)	1013.1	+4	S	4	o/r	45	75	7	2500	StCu	10	-	10	1
Plymouth (Cattewater)														
Portland Bill	1013.5	+3	E'N	5	0	44	85	6	1500	StCu	10	-	10	4
Southampton (Calshot)	1015.7	+4	ENE	3	o+	40	85	6	4000	StCu	10	-	10	0
Dungeness	1014.2	+1	E	3	bc	40	85	7	4000	Cu	6	-	6	3
Jersey 7h }	1013.9	+1	ENE	2	c	40	85	7	4000	StCu	8	-	8	0
Guernsey 1h }														

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

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 9-10 °F.	Temperature. Max. Day. 10 °F.	Rainfall.† Night 17h.-9h. 9-10 mm.	Rainfall.† Day 9h.-17h. 10 mm.	Sunshine. Sunrise to 17h. 10 hr.	Sunshine. Sunrise to Sunset. 9 hr.
Montrose	*	*	37	40	-	-	0.0	0.2
Llandudno	oc	c	33	46	-	-	2.2	3.1
Colwyn Bay ...	bc	bc	34	46	-	-	4.3	2.9
Rhyl	ocbc	bc	30	45	-	-	2.8	3.2
Southport	o	ocbc	36	46	-	-	0.1	2.6
Blackpool	o	c	36	43	-	-	0.3	2.7
Ilkley	omo	o	35	41	-	-	0.0	0.1
Harrogate	op	op	32	39	1	-	0.0	0.2
Skegness	do	do	35	42	0.5	0.2	0.0	0.0
Aberystwyth ...	cbc	b	38	48	-	-	5.0	2.5
Bath	ocbcb	bbcco	37	47	-	-	4.3	1.2
Leamington Spa ...	o	o	33	43	-	-	0.0	0.0
Lowestoft	oip,co	o	35	44	0.4	0.2	0.4	0.0
Felixstowe	o	omd	37	43	-	1	0.2	0.0
Southend	oc	co	35	47	0.7	-	1.3	0.0

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 9-10 °F.	Temperature. Max. Day. 10 °F.	Rainfall.† Night 17h.-9h. 9-10 mm.	Rainfall.† Day 9h.-17h. 10 mm.	Sunshine. Sunrise to 17h. 10 hr.	Sunshine. Sunrise to Sunset. 9 hr.
Paignton	o	o	38	45	0.5	-	0.0	3.8
Ilfracombe	o	o	37	47	-	-	0.4	6.6
Bude	o	oroo	29	44	-	0.1	0.3	7.3
Penzance	bbcc	o	35	48	-	-	2.3	7.0
Torquay	c	copo	41	46	-	0.4	0.0	3.8
Weymouth	obc	bco	37	47	-	-	3.7	5.7
Bournemouth ...	bb	bco	32	47	-	-	5.5	4.2
Portsmouth (S'thsea)	ccb	co	38	46	-	-	0.6	5.2
Worthing	obc	b	37	47	-	-	3.0	0.3
Brighton	ccbc	bobc	38	50	0.2	-	2.5	0.1
Eastbourne	oc	bcco	37	45	0.3	-	4.4	0.8
Hastings	ocbc	bcb	37	45	0.4	-	1.5	0.0
Folkestone	o	bc	39	50	-	1	0.0	3.3
Tunbridge Wells ...	omo	bccbc	35	45	0.3	-	0.6	0.0
Ramsgate	cbbc	bcco	39	45	-	-	1.4	0.0
Margate	co	o	39	45	-	-	0.8	0.0
Deal	coo	o	39	43	-	-	0.2	0.0

* Intermittent; for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22390 Monday, 12th March 1923. Page 1.

Observations at 1300 G.M.T. 11th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.*	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.
Lerwick	1019·8	+1	S	5	c-	40	85	7	4000	CuNb	8	-	8	•
Stornoway	1013·2	+2	S	5	o	44	85	6	800	St	10	-	10	•
Wick	1015·9	+1	SSE	7	bc-	43	92	8	4000	Cu	4	-	4	•
Castlebay	1012·5	+1	SE	5	mmo	45	92	6	1500	Nb	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1020·1	+1	SSE	4	bc+	43	85	6	1500	StCu	6	-	6	1
Malin Head	1017·5	+2	SSE	6	o/r	44	92	7	5700	StCu	10	-	10	•
Renfrew	1018·6	+1	SE	2	o	44	75	7	2500	StCu	10	-	10	1
Edinburgh (Inchkeith)	1019·4	+2	SE	3	o+	43	75	8	-	-	0	A.Cu	9	•
Leuchars	1019·5	+2	SE	4	o	41	85	7	7200	StCu	10		10	0
Eskdalemuir	1019·3	+2	SE	4	o	40	65	8	2500	StCu	10	-	10	1
Tynemouth	1020·2	+1	S	2	ojp	39	92	6	4000	Nb	10	-	10	•
Blacksod Point	1008·9	-1	SW	5	o	48	85	7	-	-	0	AST	10	-
Donaghadee	1016·9	+2	SSE	3	c-	45	75	8	1500	St	3	A.St	7	•
Birr Castle	1013·6	•	SE	2	o	48	85	8	4000	StCu	9	—	9	•
Holyhead	1017·7	+4	SSE	3	o	47	65	7	-	-	0	Ci St	9	
Liverpool (Bidston)	1018·6	+1	ESE	3	bc-	43	75	5	-		0	A.St	5	•
Chester (Shotwick)	1018·9	+2	SE	3	c-	46	65	7	4000	Cu	7	-	7	1
Spurn Head	1020·8	+3	ESE	3	o	40	92	8	4000	CuNb	10	-	10	x
Nottingham	1020·8	+1	E	2	o	42	75	8	1500	StCu	6	A.St	10	•
Cranwell	1020·6	+2	NE	2	o	41	75	8	2500	StCu	10		10	•
Gorleston	1020·0	+2	E'N	3	o+	42	75	7	2500	CuNb	9	-	9	*
Valencia (Cahirciveen)	1013·5	+1	S'E	3	od$_o$r	48	85	6	2500	St	10	-	10	1
Roches Point	1014·5	+1	S	3	o	49	97	7	-	-	0	ASt	10	•
Pembroke (St. Ann's H.)	1017·1	+3	SE	4	o	45	85	7	2500	StCu	10	-	10	•
Ross-on-Wye	1018·7	+2	ESE	2	o-	44	75	7	4000	StCu	9	-	9	0
Benson	1018·8	+1	NE	2	o	44	75	7	2500	StCu	9	-	9	1
Andover	1018·4	+2	ENE	3	o+	44	65	7	4000	StCu	10	-	10	1
S. Farnborough	1018·7	+2	ENE	2	mmo	43	75	4	1500	StCu	9a	-	9a	0
London (Kew Obsy.)	1019·2	+2	NE'N	2	o	43	75	4	4000	Cu	4	A.St	10	
Croydon	1018·9	+1	NE'E	2	o/r	41	75	6	1500	StCu	10	-	10	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1018·9	+1	NE	2	o	42	75	6	1500	StCu	6	A.Cu	10	•
Grain	1019·2	+3	NE	4	o	42	85	8	2500	St	10	-	10	2
Lympne	1018·1	+2	NNE	3	ojp	39	92	8	2500	CuNb	10	-	10	1
Scilly (St. Mary's)	1015·8	+3	SE'E	5	or$_o$	45	92	7	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1017·6	+4	S	3	o	46	75	7	2500	StCu	10	-	10	•
Plymouth (Cattewater)	1017·6	+3	SSE	3	o-	47	75	7	1500	St	10	-	10	1
Portland Bill	1017·5	+4	E'N	5	b-	45	85	6	-	-	0	-	0	•
Southampton (Calshot)	1018·7	+2	SE	3	o+	45	75	8	4000	StCu	10	-	10	0
Dungeness	1017·6	+3	NE	3	bc	40	92	7	2500	Cu	6	-	6	•
Jersey	1017·5		NE	3	bc+	49	65	7	4000	StCu	5	-	5	•

Observations at 1800 G.M.T. 11th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1019·8	+1	S	5	or$_o$	40	75	7	5700	StCu	8	A.St	10	4
Stornoway	1017·1	0	S	5	o	45	85	6	800	St	10	-	10	4
Wick	1017·1	+2	S	6	b	41	97	8	4000	Cu	1	Ci	2	6
Castlebay	1012·0	-1	SE	6	mmo	45	85	6	800	Nb	10	-	10	4
Nairn	1016·6	•	SW'S	3	bc+	40	65	5	4000	Cu	2	A.Cu	4	•
Aberdeen	1021·0	+1	SSE	5	oh$_o$(r$_o$)	40	85	6	1500	Nb	10	-	10	0
Malin Head	1011·4	-1	SE	6	o/r	44	92	7	5700	Nb	7	A.St	10	5
Renfrew	1018·7	0	SE	3	o+	41	75	6	7200	StCu	4	Ci St	9	•
Edinburgh (Inchkeith)	1020·2	+3	SE	3	mmo	41	92	6		St	10	-	10	2
Leuchars	1020·3	+1	SE	4	o	40	85	7	5700	StCu	6	A.Cu	10	•
Eskdalemuir	1020·0	+1	SE'S	2	o	38	75	8	2500	StCu	10	-	10	•
Tynemouth	1021·0	+1	SSE	3	o/r	40	85	7	4000	StCu	10	-	10	2
Blacksod Point	1008·4	0	SSE	6	oPR+	45	85	5	-	Nb	10	-	10	6
Donaghadee	1017·2	0	S	3	c	45	75	8	1500	St	2	A.St	7	3
Birr Castle	1013·6	•	SE	1	or$_o$+	46	92	6	1500	Nb	10	—	10	•
Holyhead	1018·6	+2	SE'S	3	o	45	75	8	5700	StCu	10	-	10	3
Liverpool (Bidston)	1020·0	+2	ESE	3	mo	42	75	4	2500	St	10	-	10	4
Chester (Shotwick)	1020·1	+2	SSE	2	o	43	75	6	1500	St	10	-	10	
Spurn Head	1022·4	+2	E'S	3	c	38	92	8	1500	CuNb	4	Ci	7	4
Nottingham	1021·5	+3	E	2	o	39	82	7	2500	StCu	10	-	10	•
Cranwell	1022·0	+2	ENE	3	o	39	85	8	2500	StCu	10	-	10	•
Gorleston	1022·3	+1	E	3	o	39	75	7	4000	Nb	10	-	10	2
Valencia (Cahirciveen)	1011·6	-3	SE	4	or	45	92	6	800	St	10	-	10	2
Roches Point	1015·0	0	SSE	4	orp	47	97	7	4000	Nb	10	-	10	3
Pembroke (St. Ann's H.)	1017·7	+2	SSE	4	o	45	92	7	2500	St	9	-	9	4
Ross-on-Wye	1020·4	+2	ESE	2	o	42	75	7	1500	St	10	-	10	•
Benson	1020·9	+2	E	1	c-	40	86	6	2500	StCu	6	Ci St	8	•
Andover	1020·4	+3	ENE	3	o	41	85	6	2500	StCu	10	-	10	•
S. Farnborough	1021·0	+3	E'N	2	o/f	41	85	6	2500	StCu	10	-	10	•
London (Kew Obsy.)	1021·2	+3	N'E	2	o	41	75	6	4000	StCu	10	-	10	•
Croydon	1020·9	+4	ENE	3	o/r	39	85	6	1500	StCu	10	-	10	•
Clacton-on-Sea	1021·2	+4	NE	3	bc-	39	85	7	2500	Cu	5	-	5	1
Shoeburyness	1021·6	+3	NE	1	o/r	39	85	8	4000	StCu	10	-	10	•
Grain	1021·7	+4	NE	4	ojp	40	85	8	2500	St	10	-	10	3
Lympne	1020·0	+4	NNE	3	or$_o$	37	92	8	2500	Nb	10	-	10	•
Scilly (St. Mary's)	1017·3	+1	-	0	o	48	85	7	4000	StCu	10	-	10	5
Falmouth (Pendennis)	1019·6	+2	S	4	o	46	85	7	2500	St	10	-	10	0
Plymouth (Cattewater)	1019·2	+2	SSE	2	o	45	85	7	2500	StCu	3	A.St	10	0
Portland Bill	1018·8	+3	E'S	5	bc+	45	85	6	1500	StCu	4	-	4	3
Southampton (Calshot)	1021·0	+3	E	2	o	44	75	7	4000	StCu	10	-	10	0
Dungeness	1020·7	+4	NE	3	o	40	85	7	1500	Cu	10	-	10	4
Jersey	1019·1	+1	ENE	2	bc	46	65	4	1500	St	4	-	4	3

LONDON OBSERVATIONS. 24 Hours ended 0900 G.M.T. 12th (Kew, Croydon: 24 hours ended 0700)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew	omfom	one	omfbc/x	•	•	21	-	-	0·0	•	•
Croydon	omedf	ozdm	obmxw	•	•	23	Tra	-	0·0	•	•
Greenwich (Royal Obsy.)	odm	one	obmx	45	24	20	-	-	0·0	42	55
City (Bunhill Row)	•	•	•	•	•	•	•	•	0·0	•	•
Westminster (St. James' Pk.)	•	•	•	44	33	24	-	-	0·0	41	44
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0·0	•	•
Camden Square	0	0	•	43	29	26	-	-	•	•	43
Kensington Palace	0	0	•	43	28	23	-	-	•	82 (18h)	82
Hampstead Observatory	•	•	•	41	31	18	-	-	0·0	•	84

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 11th.

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 11th 19 h. 0 m. to 12th 5 h. 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10 15	6 18	61
δ Ursæ Minoris	10 15	6 5	54

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep.
4 = Bare ground frozen (but more than 2 ins. deep.
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1300 & 1800 reports (Hoar frost in 0700 and 1200 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (due to roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C_1C_2	7	-	135°
18h.	C_1C_2	7	-	145°
01h.	C_1C_2	4	-	140°
07h.	C_1C_2	4	-	160°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 12th & 13th March, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.18 / 6.16	12.3 / 12.3	5.48 / 5.50
Greenwich	6.24 / 6.22	12.10 / 12.10	5.56 / 5.58
Wick	6.41 / 6.38	12.22 / 12.22	6.3 / 6.5
Valencia	7.5 / 7.3	12.51 / 12.51	6.37 / 6.39

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; − = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r_or_o = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

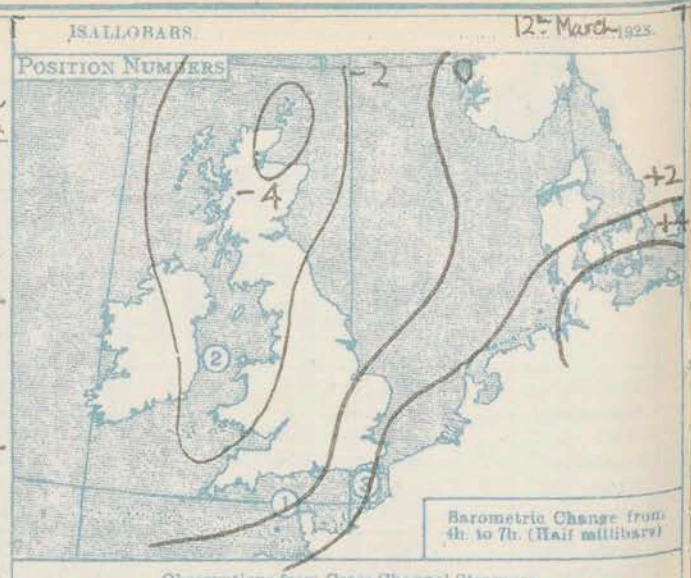
SEA DISTURBANCE.
0 = no swell, 1 = mod. swell, 2 = heavy swell: Calm or slight sea.
3 = no swell, 4 = mod. swell, 5 = heavy swell: Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 4.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.–13h. 11th	Weather. 13h.–18h. 11th	Weather. 18h. 11th to 1h. 12th	Weather. 1h.–7h. 12th	Temperature. Max. Day 7h.–18h.	Temperature. Min. Night 18h.–7h.	Temperature. Min. on Grass	Rainfall.† Day 7h.–18h. mm.	Rainfall.† Night 18h.–7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun. 11th Hours.
Lerwick	c qp	cq p	cqd	qqp	41	36	•	0·6	0·2	0900	<2100	0·3
Stornoway	00	00	rd	rr	45	42	•	–	5	–	–	0·0
Wick	b-bc	b-bc	oo	oo	43	39	•	–	–	–	–	•
Castlebay	r om	ompom	omop	opo	45	44	•	Trace	0·4	–	•	0·0
Nairn	bc	bbeq	becq	cqq	48	38	•	–	–	–	–	8·9
Aberdeen	ocbcb	com	opro	oog	44	38	36	Trace	0·4	1730	<2100	2·2
Malin Head	oi tco	oi t	oir	oir	46	44		0·6	0·5	L0800	<2100	0·0
Renfrew	bxomo	oco	oo	oomr	46	34	36	–	2	–	0430	1·2
Edinburgh (Inchkeith)	c	om	c	oo	45	34	34	–	–	–	–	3·9
Leuchars	oo	oo	oo	oo	42	34	32	–	–	–	–	0·0
Eskdalemuir	oo	oo	oo	oms	41	33	31	–	Trace	–	0630	0·0
Tynemouth	it	p	cm	bcm	40	35	32	0·4	–	1100	–	•
Blacksod Point	oo	p	Rard		49	41	•	1	4			•
Donaghadee	c	c	oq	owd	46	44	•	–	1	–	0230	•
Birr Castle	co	oir	oir	coir	49	42	41	0·2	5	–	0230	0·1
Holyhead	bcq	oo	ooc	coiro	44	42	41	–	0·2	–	0430	4·9
Liverpool (Bidston)	cm	om			45	36	32	–	–	–	–	4·3
Chester (Shotwick)	omc	cbcom	obbm	becom	48	36	32	–	–	–	–	3·4
Spurn Head	c	b-bc	bcd	c	42	36	•	–	Trace	–	<2100	0·5
Nottingham	oo	oo	oc	b	43	30	23	–	–	–	–	0·0
Cranwell	oo	oo	bbc	bcx	42	25	21	–	–	–	–	0·0
Gorleston	oqc	coco	bccor	oo	42	38	36	–	–	–	–	•
Valencia (Cahirciveen)	om	or	orm	oro	48	45	43	4	4	1730	•	0·0
Roches Point	om	or po	pp	p pfom	49	44		1	11	1730	<2100	
Pembroke (St. Ann's H.)	oo	oo	oo	oqpr	46	44	•	–	2	–	0530	•
Ross-on-Wye	omo	oco	ocbcco	ocq	46	34	31	–	–	–	–	0·1
Benson	o	oc	ocbc	bbcx	43	29	22	–	–	–	–	•
Andover	bcomm	oom	omcbc	bcmq	47	29	21	–	–	–	–	3·3
S. Farnborough	bmco	omofom	om	ocbcm	44	24	24	–	–	–	–	0·9
London (Kew Obsy.)	omfom	om	omm	omxbcp	43	31	21	–	–	–	–	0·0
Croydon	omdf	ogdm	obmw	bomxw	42	30	23	Trace	–	0900	–	0·0
Clacton-on-Sea	oq o	ocbc	bc	bc	42	36	24	–	–	–	–	0·0
Shoeburyness	o	ooid	bmx	ocbc	43	28	20	Trace	–	1430	–	0·0
Grain	oit o	oop o	obboo	obcx	42	24	20	Trace	–	0900	–	0·0
Lympne	ot-ts	ot td	od	ocx	40	35	31	0·4	Trace	L0800	<2100	0·0
Scilly (St. Mary's)	oid	ofd	or	omd	49	45	•	0·1	2	1100	2400	1·0
Falmouth (Pendennis)	o	oco	odom	omd	48	44	•	0·1	1	L0800	<2100	1·2
Plymouth (Cattewater)	co	obco	o	or	48	43		–	4	–	<2100	•
Portland Bill	ob	bbc	bc	bcc	46	38	•	–	–	–	–	•
Southampton (Calshot)	ombco	oo	cmbm	bmc	48	34	36	–	–	–	–	2·4
Dungeness	c	c	c	oo	44	35	•	Trace	Trace	1630	<2100	•
Jersey	obbc	bcco	bco	bo	52	40	•	–	–	–	–	6·0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	10th 1000	HIBERNIA	SE	6	o	43	46	4
1	" 1300	IBEX	ENE	3	b1	49	49	4
3	11th 0300	DIEPPE	E	2	b+	42	48	6
2	" 1010	HIBERNIA	SSE	6	oe	45	46	6
3	12th 0300	ARUNDEL	–	0	b+	40	48	8

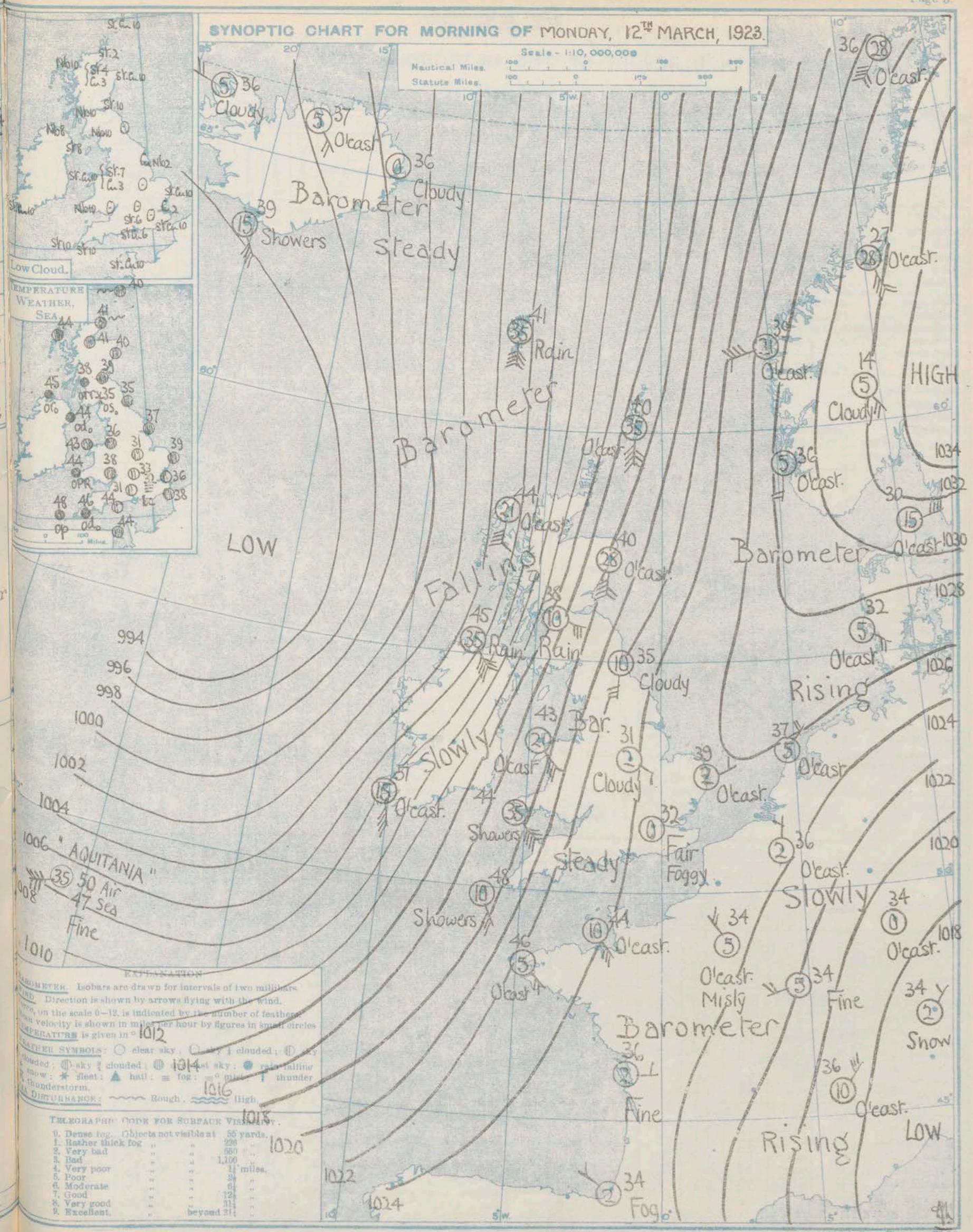
GENERAL INFERENCE.

The large depression centred to Westward of Ireland is moving slowly Eastward and some rain is likely to fall in all districts during the next 24 hours, as a result of the main disturbance or secondaries. Weather will be milder temporarily in the South-west but there will be little change of temperature in the North and East.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 12th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind S.E. to S light or moderate freshening later; cloudy, some rain or drizzle; visibility moderate to good; temperature rising somewhat.	Unsettled.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Strong southerly wind veering towards W; some rain early, showers of rain or hail with bright intervals later; visibility mainly good; rather mild then colder.	------ South Cone still flying. South Cone hoisted 0900 12th.
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind southerly fresh or strong; cloudy, some rain or sleet; visibility moderate; rather cold.	------
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Southerly wind, strong to a gale; cloudy, some rain or sleet; visibility moderate; rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind southerly veering towards W, strong, a gale at times; some rain early, showers of rain or hail with bright intervals later; visibility good; rather mild, then colder.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910. GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M.S.O. Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Monday, 12th March.....1923. No. 71.....

Observations at 0100 G.M.T. 12th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1019.8	-1	S	6	bc-	40	95	4	4000	Cu	4	-	4	•
Stornoway	1011.0	-2	SE	4	r	•	•	4	•	•	•	•	•	•
Wick	1016.9	-1	S	6	0	40	94	8	5400	Cu	4	Ci St	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1008.2	-2	SSE	4	ofr	44	92	4	4000	Nb	5	A St	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1019.9	-1	SSE	4	b-	38	85	8	•	-	0	A St	5	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1022.4	0	SW	3	b	34	85	4	-	-	0	-	0	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1019.4	-1	SE'S	4	c-	43	85	8	5400	St Cu	4	-	4	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1024.4	0	SE	3	0	39	92	4	4000	St Cu	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1024.3	+1	SE	1	b	29	94	4	-	-	0	-	0	•
Gorleston	1024.6	+1	E	2	0+	40	85	4	-	-	0	A St	10	•
Valencia (Cahirciveen)	1009.4	-2	SE	3	or	52	92	4	•	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1013.4	0	S	6	0	45	95	4	2500	St	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	34	•	•	•	•	•	•	•	•
Croydon	1022.4	+1	-	0	b	34	92	6	-	-	0	-	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1023.3	+3	NE'N	2	ofr	34	92	4	1500	St	10	-	10	•
Scilly (St. Mary's) ...	1019.2	+1	SE	3	or	46	92	4	2500	Nb	10	-	10	•
Falmouth (Pendennis)	1021.1	+2	S	5	ofr	46	92	6	2500	St	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1022.4	+3	SE	4	b	43	85	6	-	-	0	Ci St	2	•
Southampton (Calshot)	1024.1	+3	E	3	mb-	40	85	6	-	-	0	-	0	•
Dungeness	1022.9	+2	NE	2	0	39	92	8	1500	Cu	10	-	10	•
Jersey (7h)	1022.3	+4	ESE	4	c+	43	85	6	5400	St	3	A St	8	•
Guernsey (1h)														

Observations at 0700 G.M.T. 12th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1017.4	-2	S	4	ofr	40	85	4	4000	St Cu	10	-	10	6
Stornoway	1005.9	-3	S	5	ofr	44	92	6	800	Nb	10	-	10	4
Wick	1012.6	-3	S	8	0	41	94	4	1500	St	2	A St	10	4
Castlebay	1005.6	-1	SSE	6	ofr	46	92	6	1500	St	10	-	10	4
Nairn	1012.5	•	SSW	3	c+	41	95	8	1500	St	4	-	4	•
Aberdeen	1018.6	-3	SW	6	0	40	95	6	4000	St Cu	10	-	10	3
Malin Head	1005.4	-2	SSE	4	or	45	92	8	5400	Nb	8	A Cu	10	4
Renfrew	1016.3	-2	ESE	3	orr	38	92	6	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	1017.8	-2	S	4	0+	39	85	8	•	St	10	-	10	3
Leuchars	1017.8	-1	SSE	4	0	38	85	4	4000	St	10	-	10	•
Eskdalemuir	1019.2	-2	SSE	4	0	35	95	5	800	Nb	10	-	10	•
Tynemouth	1022.2	0	SSW	3	c+	35	85	6	-	-	0	A Cu	4	1
Blacksod Point ...	1000.6	+4	S	6	ohr+	52	92	7	-	Nb	10	-	10	6
Donaghadee	1014.3	-1	SSW	3	ocl	44	92	4	1500	St	8	A St	10	2
Birr Castle	1009.8	•	SE	2	ohr	47	94	6	1500	Nb	9	—	9	•
Holyhead	1016.6	-3	SSE	5	ofr	43	92	4	1500	St Cu	10	-	10	4
Liverpool (Bidston) ...	1019.8	-1	ESE	4	0	36	92	5	1500	St	10	-	10	5
Chester (Shotwick) ...	1020.4	-2	SE	5	0+	34	85	4	-	-	0	Ci St	10	•
Spurn Head	1024.6	0	SSE	3	0	34	94	4	4000	Cu Nb	2	Ci St	9	3
Nottingham	1023.9	0	ESE	1	bc	31	92	4	-	-	0	Ci	6	•
Cranwell	1025.4	•	SE'S	2	bc	25	94	6	-	-	0	Ci Cu	5	•
Gorleston	1025.0	+1	E'N	1	0	39	85	4	4000	St Cu	10	-	10	•
Valencia (Cahirciveen)	1008.0	-1	SE	4	0	51	92	6	800	St Cu	10	-	10	4
Roches Point	1015.0	0	SSE	4	orr	47	97	7	4000	Nb	10	-	10	3
Pembroke (St. Ann's H.)	1014.3	-3	SSE	4	ofr	44	94	6	1500	Nb	10	-	10	5
Ross-on-Wye	1022.4	0	SE'S	3	0	38	85	6	-	-	0	A St	10	•
Benson...	1023.9	0	SE	4	bc+	33	94	6	-	-	0	Ci	5	•
Andover	1024.2	0	E	2	0+	31	94	6	-	-	0	Ci St	10	•
S. Farnborough ...	1024.4	+1	SE	2	bc-	31	94	5	-	-	0	Ci	6	•
London (Kew Obsy.) ...	1025.2	+1	-	0	ff bc	32	92	3	-	-	0	Ci	5	•
Croydon	1024.9	+1	SSE	2	0	31	92	3	-	-	0	Ci St	10	•
Clacton-on-Sea ...	1025.1	+2	NNE	2	bc	36	92	4	2500	Cu	2	A St	5	1
Shoeburyness	1025.3	+1	—	0	mmb	32	85	5	-	-	0	Ci St	2	•
Grain	1025.5	+1	-	0	bc-	29	94	6	-	-	0	Ci St	4	0
Lympne	1024.4	+2	E'S	1	c-	34	85	8	2500	St Cu	4	A Cu	8	•
Scilly (St. Mary's) ...	1017.8	-1	SE	4	odo	48	94	6	800	St	10	-	10	5
Falmouth (Pendennis)	1019.8	-2	SSW	5	bd	46	92	4	2500	St	10	-	10	2
Plymouth (Cattewater)	1021.0	0	SSE	4	orr	46	92	6	1500	Nb	10	-	10	0
Portland Bill	1022.4	0	SE	4	bc+	44	85	6	1500	St Cu	6	-	6	3
Southampton (Calshot)	1024.3	0	E	3	0+	39	85	6	2500	St Cu	1	Ci St	9	0
Dungeness	1024.6	+1	NNE	2	0	38	85	8	1500	St Cu	10	-	10	3
Jersey (7h)	1023.8	+1	SE	3	0	44	95	4	2500	St Cu	10	-	10	3
Guernsey (1h)														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR March 11th, 1923

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 10th	Temperature. Max. Day. 11th	Rainfall.† Night 17h.-9h. 10th-11th	Rainfall.† Day 9h.-17h. 11th	Sunshine. Sunrise to 17h. 11th	Sunshine. Sunrise to Sunset. 10th
			°F.	°F.	mm.	mm.	hr.	hr.
Montrose			39	44	0.2	-	0.5	-
Llandudno	b	bco	36	49	-	-	5.2	2.2
Colwyn Bay ...	bc	bc	32	49	-	-	6.0	4.3
Rhyl...	bc	bcc	34	48	-	-	6.0	2.8
Southport	ebc	bcco	37	48	-	-	5.1	0.1
Blackpool	c	0	37	45	-	-	2.3	0.3
Ilkley	o/m	bcb	34	41	-	-	0.4	0=0
Harrogate	ocbc	bcc	33	39	-	-	0.0	0.0
Skegness	0	c	35	40	-	-	0.0	0.0
Aberystwyth ...	ccb	o	39	45	-	-	3.0	5.0
Bath	ocbc	bcco	35	48	-	-	2.3	4.3
Leamington Spa ...			37	43	-	-	1.6	0.0
Lowestoft	0	oco	34	43	0.1	-	1.5	0.4
Felixstowe	o	oc	38	41	0.3	-	0.0	0.2
Southend	0	ohpo	37	42	-	0.3	0.0	1.3
Paignton	obc	bcocbc	37	49	-	-	2.0	0.0
Ilfracombe	bcc	cbcc	39	48	-	-	3.2	0.4
Bude	bcco	oo	37	50	0.1	-	2.7	0.3
Penzance	oo	cod	43	48	9	-	0.0	2.3
Torquay	cobc	cocb	40	47	-	-	0.8	0.0
Weymouth	c	co	39	49	-	-	4.0	3.7
Bournemouth ...	bc	bbo	37	50	-	-	4.3	5.5
Portsmouth (S'thsea)	bbc	bco	38	49	-	-	2.7	0.6
Worthing	0	0	34	44	-	-	0.0	3.0
Brighton	0	0	36	45	-	-	0.0	2.5
Eastbourne	0	0	33	43	-	-	0.0	4.4
Hastings	0	oco	34	42	-	-	0.0	1.5
Folkestone	d	d	38	49	-	1	0.0	3.3
Tunbridge Wells ...	0	0	34	42	-	-	0.0	0.6
Ramsgate	0+0	cbcrb	37	42	-	1	0.4	1.4
Margate	op	p	39	42	-	0.3	0.2	0.8
Deal	oo	oc	39	43	-	-	0.2	0.2

* Information for these stations not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22291 Tuesday, 13th March 1923. Page 1.

Observations at 1300 G.M.T. 12th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form.	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1014·2	-2	S	8	o/r	42	75	6	5700	StCu	8	ASt	10	•
Stornoway	1003·0	-3	S	5	o/r	46	92	6	800	Nb	10	–	10	•
Wick	1010·3	0	S	9	oRq	41	97	6	1500	St	6	ASt	10	•
Castlebay	1001·4	-3	E	6	opr₀	47	92	6	800	≡St	4	–	6≡	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1016·1	-3	SSE	5	o	44	85	6	1500	St	3	ASt	10	1
Malin Head	1001·9	-4	SE	6	o	51	92	8	5700	StCu	8	ACu	10	•
Renfrew	1012·2	-5	ESE	4	or₀	42	85	6	800	Nb	10	–	10	2
Edinburgh (Inchkeith)	1014·5	-5	SSE	4	mo-	41	85	6	–	St	10		10	•
Leuchars	1015·0	-4	SSE	4	oR-	41	85	7	2500	Nb	7	ASt	10	1
Eskdalemuir	1015·7	-3	S'E	5	od₀	38	85	5	800	Nb	5	StCu	10	1
Tynemouth	1018·9	-4	S	4	o	43	75	6	–	–	0	ASt	10	•
Blacksod Point	997·8	0	S	7	bc-	51	85	8	–	CuNb	6	–	6	•
Donaghadee	1011·7	-2	SW	3	o	46	92	7	–	–	0	ASt	10	•
Birr Castle	1006·7	•	SE	1	or₀r	52	97	7	2500	Nb	9	–	9	•
Holyhead	1013·8	-4	SE'S	6	o/r	46	92	7	1500	StCu	10	–	10	1
Liverpool (Bidston)	1017·3	-3	SE	4	o/r	42	85	5	1500	Nb	10	–	10	•
Chester (Shotwick)	1017·5	-3	SSE	5	o	44	75	7	1500	St	10	–	10	1
Spurn Head	1022·9	-2	S	4	bc	46	75	7	4000	Cu	1	Ci	5	•
Nottingham	1021·2	-3	SSW	4	o+	47	75	7	–	–	0	CiSt	10	•
Cranwell	1022·7	-3	S'E	4	o+	46	65	8	–	–	0	CiSt	9	•
Gorleston	1026·0	0	S'E	3	o+	42	75	8	4000	StCu	9	–	9	*
Valencia (Cahirciveen)	1008·4	+4	SW'S	6	c-	53	65	4	2500	StCu	4	-	4	2
Roches Point	1010·6	0	WSW	3	or-	50	97	6	2500	Nb	10	–	10	•
Pembroke (St. Ann's H.)	1015·7	-2	SSW	6	mo-	47	97	6	450	St	10	–	10	•
Ross-on-Wye	1020·8	-3	S'E	3	o	46	65	7	2500	St	5	ASt	10	
Benson	1022·5	-2	S	5	o+	46	75	8	–	Cu	5	ASt	9	1
Andover	1023·2	-2	SSE	5	o	44	75	7	2500	StCu	10	–	10	1
S. Farnborough	1023·8	-2	SSW	3	o+	45	65	7	4000	StCu	10	–	10	1
London (Kew Obsy.)	1023·9	-2	S'E	3	o	46	65	7	4000	StCu	9	–	9	1
Croydon	1024·0	-1	SSW	4	o	44	65	7	2500	StCu	10	–	10	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1024·8	0	S	2	c/f	46	65	8	4000	Cu	5	ASt	8	•
Grain	1025·2	-1	SSW	3	od	45	65	8	5700	StCu	10	–	10	2
Lympne	1025·1	-1	SSW	3	o	42	75	8	2500	StCu	9	–	9	1
Scilly (St. Mary's)	1017·5	0	S	4	mmb	50	97	6	600	St	10	–	10	•
Falmouth (Pendennis)	1018·8	-2	SSW	6	od	48	97	6	1500	Nb	10	–	10	•
Plymouth (Cattewater)	1020·7	-1	S	4	or	47	97	6	–	Nb	10	–	10	2
Portland Bill	1021·8	-2	SSE	5	o+	47	85	6	–	–	0	ASt	10	•
Southampton (Calshot)	1023·8	-1	SSE	5	o	45	75	8	2500	StCu	10	–	10	0
Dungeness	1024·8	0	S	2	bc	45	65	7	1500	Cu	5	–	5	•
Jersey	1023·8	0	SE	3	c	48	75	7	–	–	0	CiSt	8	•

Observations at 1800 G.M.T. 12th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form.	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1011·5	-4	S	8	od₀d₀	41	85	6	2500	Nb	10	–	10	7
Stornoway	998·3	-5	S	5	orr	46	97	6	450	St	10	–	10	4
Wick	1005·9	-2	S	8	or₀	41	97	6	1500	St	6	ASt	10	7
Castlebay	996·8	-6	E	7	opr₀	48	85	6	1500	St	9	-	9	7
Nairn	1021·4	•	S	4	c	46	75	7	1500	St	7	-	7	•
Aberdeen	1012·6	-3	S	5	or	41	85	5	1500	Nb	10	-	10	6
Malin Head	998·2	-3	S	7	bc/r	49	75	8	4000	Cu	3	ASt	6	4
Renfrew	1007·0	-6	SSE	6	or	45	85	6	800	Nb	10	-	10	•
Edinburgh (Inchkeith)	1009·7	-4	SSE	3	o/r	43	92	6	–	St	5	ASt	10	3
Leuchars	1010·0	-4	SSE	4	o/r	43	85	6	2500	StCu	10	-	10	•
Eskdalemuir	1011·8	-5	S'E	4	or₀r₀	40	97	5	800	Nb	10	-	10	•
Tynemouth	1015·2	-3	S	4	o/r	43	85	6	4000	Nb	8	ASt	10	1
Blacksod Point	1000·0	-7	S	7	opr+	48	?	?	–	Nb	10	–	10	8
Donaghadee	1007·6	-3	SSW	3	bc-	49	92	8	1500	St	4	ACu	6	4
Birr Castle	1008·5	•	SW	4	cPR-	48	85	7	2500	CuNb	4	ACu	7	•
Holyhead	1011·8	-1	SE'S	5	or	47	97	6	220	Nb	10	-	10	6
Liverpool (Bidston)	1014·4	-1	SE	5	o/r	45	85	6	1500	St	10	-	10	5
Chester (Shotwick)	1015·1	-1	SE'S	4	o	45	85	7	1500	St	10	-	10	•
Spurn Head	1019·7	-3	SSE	5	o+	43	92	7	-	-	0	ASt	10	4
Nottingham	1019·1	-2	S	3	or₀r₀	45	85	7	2500	Nb	10	-	10	•
Cranwell	1020·4	-2	S'E	4	or₀+	42	85	6	1500	Nb	10	-	10	•
Gorleston	1023·7	-2	S'W	4	bc+	41	75	7	-	-	0	CiSt	5	2
Valencia (Cahirciveen)	1012·0	+6	WSW	5	c-	49	75	7	2500	StCu	7	-	7	6
Roches Point	1012·5	+3	W	3	bc	49	85	8	4000	StCu	2	Ci	5	6
Pembroke (St. Ann's H.)	1011·3	+0	SW'S	4	o/r	47	92	7	1500	St	9	-	9	5
Ross-on-Wye	1018·0	-4	S'E	4	o	44	85	7	2500	St	10	-	10	•
Benson	1020·9	-2	SSE	3	od₀d₀	42	85	7	-	-	0	ASt	10	•
Andover	1021·3	-2	SE	4	o	42	75	7	4000	St	8	ASt	10	•
S. Farnborough	1022·0	-2	S	4	or₀	42	75	6	1500	StCu	10	-	10	•
London (Kew Obsy.)	1022·4	-2	S'E	3	o	42	75	6	-	-	0	ASt	10	•
Croydon	1022·7	-2	S	4	o	41	75	6	-	-	0	CiSt	10	•
Clacton-on-Sea	1023·6	-2	S	3	c+	45	75	7	2500	Cu	2	ASt	7	0
Shoeburyness	1023·8	-2	S'W	3	o+	40	65	7	-	-	0	ASt	10	•
Grain	1024·3	0	S'E	4	o	40	75	8	-	-	0	CiSt	10	0
Lympne	1023·8	-1	S	3	o	39	75	8	-	-	0	ASt	9	•
Scilly (St. Mary's)	1016·1	-1	W	3	o/r	48	92	8	4000	StCu	10	-	10	4
Falmouth (Pendennis)	1016·6	-1	SW	5	fo-	49	97	3	1500	Nb	10	-	10	2
Plymouth (Cattewater)	1018·1	-3	S	5	od₀	48	97	6	220	St	10	-	10	1
Portland Bill	1020·0	-3	SSE	5	o	47	92	6	-	-	0	ASt	10	4
Southampton (Calshot)	1022·0	-2	SSE	4	o	44	75	7	2600	St	4	ASt	10	3
Dungeness	1023·5	-1	S	4	o	42	65	7	1500	St	10	-	10	4
Jersey	1021·6	-1	SSE	2	o	43	85	7	2500	StCu	10	-	10	2

London Observations

London Observations	Weather Morning	Weather Afternoon	Weather Night	Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 8h. G.M.T. % (To-day)
	24 Hours ended 0900 G.M.T. 13th										
Kew (24 hours ended 0700)	bmbo	co	or₀mf	•	•	38	-	15	3·8	•	•
Croydon (24 hours ended 0700)	obcmx	oz	or₀mf	•	•	34	-	12	4·0	•	•
Greenwich (Royal Obsy.)	cbc	o	orrm	49	38	36	-	14	4·0	64	95
City (Bunhill Row)	•	•	•	•	•	•	•	•	1·5	•	•
Westminster (St. James' Pk.)	•	•	•	44	40	34	18		2·6	65	93
Regent's Pk. (Botanic Gdns.)	•	•	•	•	•	•	•	•	1·2	•	•
Camden Square	mcx	b	•	46	35	?	-	19	•	•	98
Kensington Palace	bc	bcvo	•	44	38	34	-	19	•	40 (18h)	94
Hampstead Observatory	•	•	•	45	36	?	2	14	2·4	•	94

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 1800 G.M.T. 12th

South Kensington Max.	Time.	Min.	Time.
0·6 / 1·0	20h (11th) / 8h (12th)	0·3	1h (12th)

Kew Observatory Max.	Time.	Min.	Time.
0·5 / 0·9	20h (11th) / 8h (12th)	<0·3	15h (12th)

Pole Star Record at Greenwich Obsy.

Exposure from 12th 19 h 0 m. to 13th 5 h 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10 15	NIL	0
δ Ursae Minoris	10 15	NIL	0

Code for State of Ground.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (not more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = [illegible]
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or settled snow).

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	C	6	-	30°
19h.	C	5	-	35°
01h.	C	5	-	175°
07h.	C	5	-	20°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

13th & 14th March, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.16 / 6.14	12.3 / 12.3	5.50 / 5.52
Greenwich	6.22 / 6.19	12.10 / 12.10	5.55 / 5.59
Wick	6.38 / 6.35	12.22 / 12.22	6.5 / 6.8
Valencia	7.3 / 7.0	12.51 / 12.51	6.20 / 6.24

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—

R = heavy rain.
rr = continuous moderate rain.
r₀r₀ = continuous light rain.

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 36 feet above the ground.

Sea Disturbance.

0 = no swell, 1 = mod. swell, 2 = heavy swell } Calm or slight sea.
3 = no swell, 4 = mod. swell, 5 = heavy swell } Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

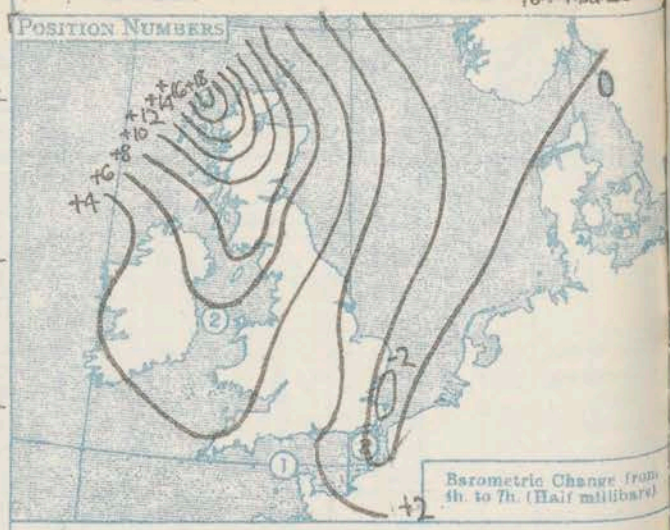
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 4.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–18h. 12h.	18h.–18h. 12h.	18h. 12h. to 1h. 13h.	1h.–7h. 13h.	TEMPERATURE. MAX. Day. 7h.–18h.	MIN. Night. 18h.–7h.	MIN. on GRASS	RAINFALL.† Day. 7h.–18h. mm.	Night. 18h.–7h. mm.	Precipitation began.	Precipitation began.	SUN. 12h. Hours.
Lerwick	oqd	omqr	omrq	omq	42	38	•	0·3	2	0900	<2100	0·0
Stornoway	p	r.d	c	cprq	48	43	•	3	2	–	–	0·0
Wick	oirm	oir₀	bbe	bbe	41	40	•	Trace	–	•	–	•
Castlebay	orrop	bchr	op	opc	48	45	•	3	0·4	–	–	0·1
Nairn	cdq	cqm	cpcq	bcb	47	42	•	0·3	–	0900	–	0·0
Aberdeen	oo	omirq	rrqb	obm	42	40	36	3	4	1330	<2100	0·0
Malin Head	o	cir₀v	bcir	PRq	52	43	•	0·4	0·6	1430	<2100	2·0
Renfrew	or₀	oirsq	oirbc	oir	45	41	34	1	1	<0800	<2100	0·0
Edinburgh (Inchkeith)	rr	mrsrb	oo	ob	43	43	40	5	Trace	1330	–	0·0
Leuchars	orr₀	oirom	ocbcb		43	40	32	3	–	<0800	–	0·0
Eskdalemuir	osiod	odr₀m	oirmo	oir	40	39	38	3	2	<0800	<2100	0·0
Tynemouth	omq	omir₀q	omq	om	43	41	34	0·6	–	1530	–	•
Blacksod Point ...	p	?	o	o	52	38	•	2	3			•
Donaghadee	omd	omd	cq	bc	49	40	•	2	Trace	<0800	<2100	•
Birr Castle ...	rorq	cPRq	cobr	bc	54	38	28	2	0·3	<0800	<2100	2·4
Holyhead	oriq	oirqm	oirob	b	44	44	41	2	0·2	<0800	<2100	0·0
Liverpool (Bidston) ...	orm	oo	oc		44	36	35	2	–	0900	–	0·0
Chester (Shotwick) ...	od₀mq	oo	oom	omc	46	41	36	Trace	–	0900	–	0·0
Spurn Head	borbc	c	r.d	orr	46	38	•	–	13	–	<2100	2·6
Nottingham	borbc	r₀r₀	op	p	47	40	38	0·5	3	1430	<2100	4·5
Cranwell	bbcc	oor₀	iRor	rr	47	34	31	0·3	12	1630	<2100	5·2
Gorleston	ococ	cbcq	bbcq	bcqor	44	39	35	–	0·3	–	0630	3·6
Valencia (Cahirciveen)	orpc	chc	bq	bco	53	43	34	2	Trace	<0800	–	3·4
Roches Point	orrm	obc	bcb	bwbc	53	40		4	Trace	1100	—	
Pembroke (St. Ann's H.)	oqid	frr	bbc	bbc	48	44	•	7	–	<0800	–	0·0
Ross-on-Wye	od₀o	ooq	oirr	r₀o	46	42	38	–	3	–	<2100	0·0
Benson...	bcco	bcor	r₀o	Rr₀	47	40	38	Trace	12	–	2400	•
Andover	omo	oor₀	oporr	opro	47	40	39	Trace	10	1530	<2100	3·4
S. Farnborough ...	bcmo	od₀	or₀o	borr	47	40	34	Trace	12	17.30	0130	3·9
London (Kew Obsy.) ...	bombo	co	oor	ormrr	46	40	38	–	15	–	<2100	2·8
Croydon	obcmx	oz	orr₀m	omr	45	39	34	–	12	–	<2100	4·0
Clacton-on-Sea ...	bcc	cbcc	cbccc	coqr	46	41	39	–	2	–	0430	5·6
Shoeburyness	bcxbcc	oo	o	orrm	48	34	34	–	6	–	2400	5·1
Grain	omqco	ococo	oco	oRR	48	38	33	0·1	4	–	0130	4·6
Lympne	co	oo	oo	orrm	43	39	34	–	3	–	0330	1·2
Scilly (St. Mary's) ...	omrd	oro	b	bcp	51	42	•	3	1	<0800	0630	0·0
Falmouth (Pendennis)	ome	omfd	odbcb	b.bc	49	46	•	2	2	<0800	<2100	0·0
Plymouth (Cattewater)	ordd	oddom	orr	orrcbcb	48	44	38	3	5	<0800	<2100	0·0
Portland Bill	co	oo	or	oroc	48	44	•	–	5	–	<2100	•
Southampton (Calshot)	c	oo	r₀r₀odd	oddrr	44	44	42	–	4	–	<2100	1·4
Dungeness ...	c	c	c	r	46	43	•	–	2	–	0230	•
Jersey ...	obco	oco	oddrr	orrbc	49	44	•	–	14	–	2200	2·4

ISALLOBARS. 13th March 1923



Observations from Cross Channel Steamers.

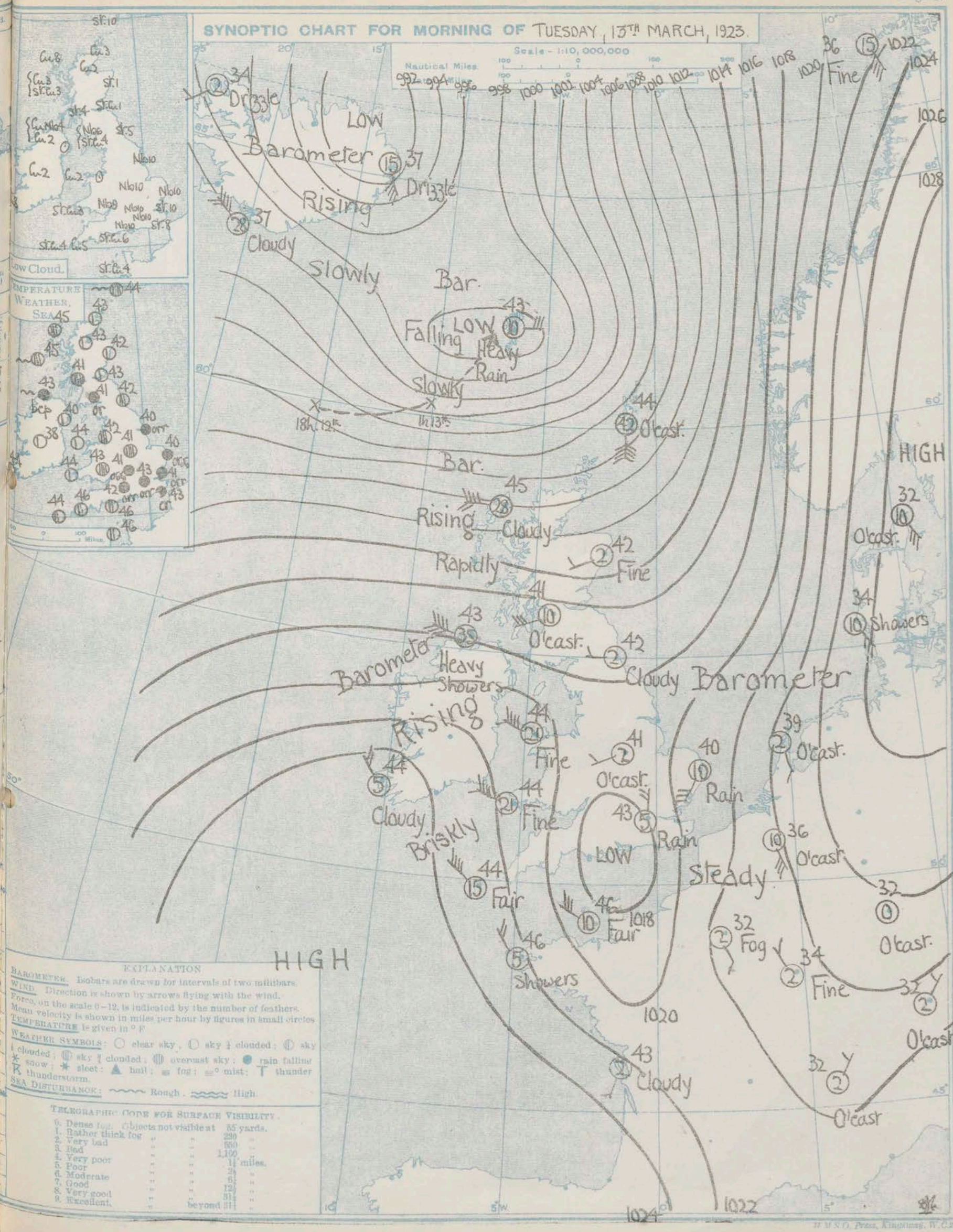
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	
2	12h 1000	HIBERNIA	SSE	4	–	46	44	5
3	13h 0300	"	S	4	r₀+	48	48	6

GENERAL INFERENCE.

A wedge of high pressure, which is moving Eastward in the rear of a series of depressions stretching from Iceland to the English Channel, will give an interval of mainly fine weather with only local showers. A new Atlantic depression is indicated, however, and rainy conditions will soon be renewed.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 13th March, 1923.	Further Outlook.
1. S.E. England 2. E. England	Variable winds becoming light N.W.; some rain early on the coast, fair later; some mist; night frost inland, moderate day temperature.	Unsettled generally. ----
3. E. Midlands 4. W. Midlands 5. S.W. England	Wind N.W. backing W. light or moderate; fair but local showers; visibility mainly good; night frost in places, moderate day temperature.	
6. South Wales 7. North Wales 8. N.W. England	Wind N.W. backing towards S.W. moderate or fresh; fair but local showers on Tuesday, some rain probable Wednesday; moderate 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	Wind W. or W.N.W. moderate or fresh; variable sky, some showers; visibility moderate to good; moderate temperature.	South Cone still flying
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Tuesday: wind W. to N.W. moderate or fresh; fair apart from local showers, rather cold. Wednesday: strong southerly winds; some rain, milder temporarily.	

† For Code see opposite page.



H.M.S.O. Press, Kingsway, W.C.2.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Tuesday, 13th March 1923. No. 42.

Observations at 0100 G.M.T. 13th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1004.4	-3	S	8	or	40	92	6	4000	Nb	10	-	10	*
Stornoway	995.5	-4	S	8	co	*	*	5	*	*	*	*	*	*
Wick	1000.8	-4	S	9	b	43	94	4	-	-	0	-	0	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1004.9	+15	W	4	bcPR	46	85	8	5400	Nb	5	-	5	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1008.5	+2	SW	4	o	46	85	8	*	St	5	ASt	10	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1013.2	0	S	3	o	42	92	6	-	-	0	ASt	10	*
Blacksod Point														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1015.3	+4	SW	4	b	44	85	8	-	-	0	-	0	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1018.0	0	SSE	6	orr	39	94	6	2500	Nb	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1018.6	-2	S/E	4	or r	34	94	6	800	Nb	10	-	10	*
Gorleston	1022.0	-1	SSW	5	bc+	40	85	4	-	-	0	Ci St	4	*
Valencia (Cahirciveen)	1020.5	+4	SW/S	4	bcd+	46	85	4	*	St	4	-	4	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1018.0	*	NW	3	b	40	85	8	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	42	*	*	*	*	*	*	*	*
Croydon	1019.4	-4	SSE	4	o/r	41	92	6	500	Nb	10	-	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1021.2	-2	S	4	o	41	92	8	-	-	0	ASt	10	*
Scilly (St. Mary's)	1019.4	+2	WNW	5	b	44	92	8	-	-	0	-	0	*
Falmouth (Pendennis)	1019.1	+2	WNW	2	b/r	44	85	8	5400	Cu	2	-	2	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1014.4	-3	WNW	5	or r	46	85	6	450	St	10	-	10	*
Southampton (Calshot)	1018.4	-4	SSE	4	odd	45	92	6	1500	Nb	10	-	10	*
Dungeness	1021.0	-1	SSW	5	o	44	75	4	1500	St	10	-	10	*
Jersey 7h / Guernsey 1h	1019.6	-2	WSW	4	or+	44	94	3	800	St	10	-	10	*

Observations at 0700 G.M.T. 13th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1006.8	0	S	8	o	44	92	5	2500	St	10	-	10	4
Stornoway	1010.0	+18	W	6	c	45	85	6	4000	Cu	8	-	8	5
Wick	1004.9	+11	SW	2	b	43	92	8	4000	Cu	3	-	3	4
Castlebay	1014.8	+10	W	5	bc	45	75	4	2500	Cu	6	-	6	4
Nairn	1012.4	*	SW	2	b	43	85	8	4000	Cu	2	-	2	*
Aberdeen	1013.0	+8	SW	1	b	42	85	6	1500	St	1	ASt	3	0
Malin Head	1014.6	+5	WNW	4	bcPR	43	85	8	4000	Cu Nb	6	-	6	6
Renfrew	1015.6	+4	WSW	3	o/r	41	85	4	1500	St	4	A St	10	*
Edinburgh (Inchkeith)	1013.6	+6	W	4	b+	43	92	8	*	St Cu	1	Ci St	3	3
Leuchars	1013.0	+5	SW	3	b	41	85	8	4000	St Cu	1	Ci	3	*
Eskdalemuir	1014.6	+8	W/S	3	or	41	85	6	1500	Nb	10	-	10	*
Tynemouth	1016.9	+4	W	1	c-	42	92	5	4000	St	5	A St	8	1
Blacksod Point	1023.? / 1028.8	+9	WS	4	o	45	75	7	-	-	0	AST	10	4
Donaghadee	1018.2	+4	NW	2	b-	40	85	8	-	-	0	A Cu	2	3
Birr Castle	1022.4	*	W	2	b-	38	85	4	1500	Cu	2	-	2	*
Holyhead	1020.1	+5	WNW	5	b+	44	92	8	4000	Cu	2	-	2	4
Liverpool (Bidston)	1019.6	+3	WSW	4	c-	42	92	8						5
Chester (Shotwick)	1019.4	+6	NW	4	c-	41	85	4	2000	St	4	Ci St	8	*
Spurn Head	1019.0	+1	S	3	orr	40	94	5	800	Nb	10	-	10	3
Nottingham	1019.0	+3	WSW	1	o	41	94	6	1500	Nb	10	-	10	*
Cranwell	1019.4	+2	S	2	o/r	39	94	6	800	Nb	10	-	10	*
Gorleston	1020.8	-1	SSW	3	or r	40	92	5	2500	Nb	10	-	10	*
Valencia (Cahirciveen)	1024.9	+4	NW/N	2	c	44	75	8	2500	Cu	8	-	3	1
Roches Point	1024.1	+7	NW	3	bc	42	92	8	-	-	0	Ci	5	0
Pembroke (St. Ann's H.)	1021.9	+3	WNW	3	b	44	75	8	4000	St Cu	3	-	3	3
Ross-on-Wye	1019.6	+3	NW	2	o	43	85	8	2500	Nb	9	-	9	*
Benson	1018.0	+2	N	2	or r	41	94	4	*	Nb	10	-	10	*
Andover	1018.5	+1	NNW	3	o/r	42	94	4	800	St	10	-	10	*
S. Farnborough	1014.9	+1	N	2	orr	42	94	6	1500	Nb	10	-	10	*
London (Kew Obsy.)	1018.3	+1	N	2	orr	43	94	3	800	Nb	10	-	10	*
Croydon	1018.3	0	-	0	orr	42	94	5	800	Nb	10	-	10	*
Clacton-on-Sea	1019.4	0	SSE	4	orr	41	94	5	2500	St	10	-	10	2
Shoeburyness	1019.3	-1	SE	1	orr	41	92	4	800	St	10	-	10	*
Grain	1019.5	-1	SSE	4	oRR	41	94	5	800	Nb	10	-	10	0
Lympne	1018.9	-2	SSE	4	orr	40	94	5	450	Nb	10	-	10	*
Scilly (St. Mary's)	1022.4	+2	NW/W	4	bc	44	75	8	4000	St Cu	4	-	4	5
Falmouth (Pendennis)	1022.4	+5	NNW	3	bc-	46	75	4	4000	Cu	5	-	5	0
Plymouth (Cattewater)	1021.2	+3	NNW	3	bc-	44	85	4	4000	St Cu	5	-	5	0
Portland Bill	1014.4	0	NW/W	5	bc/r	46	92	4	2500	St Cu	6	-	6	4
Southampton (Calshot)	1018.5	+3	WNW	3	o/r	44	92	6	1500	St	10	-	10	0
Dungeness	1018.2	-3	S	3	crr	43	92	4	1500	St	8	-	8	3
Jersey 7h / Guernsey 1h	1019.3	0	WNW	3	bc/r	46	92	4	4000	St Cu	4	Ci	5	3

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

Stations	Weather Forenoon	Weather Afternoon	Temp. Min. Night 11th-12th °F.	Temp. Max. Day 12th °F.	Rainfall Night 17h.-9h. 11th-12th mm.	Rainfall Day 9h.-17h. 12th mm.	Sunshine Sunrise to 1h. 12th hr.	Sunshine Sunrise to Sunset 11th hr.
Montrose	*	*	38	42	0.1	1	0.0	0.5
Llandudno	opo	oco	39	51	0.3	-	0.0	5.2
Colwyn Bay	c bc	cpc	39	49	-	-	0.0	6.0
Rhyl	o	o	37	48	-	-	0.0	6.0
Southport	oro	oro	37	45	-	2	0.0	5.1
Blackpool	op	o	37	45	-	+	0.0	2.3
Ilkley	co cp	oR m	30	45	-	2	0.0	0.4
Harrogate	m	or	30	43	-	1	1.0	0.0
Skegness	bbcb	bo	35	45	-	-	5.1	0.0
Aberystwyth	occ	o	40	49	-	-	0.5	3.0
Bath	oq	oq r	34	48	-	-	0.0	2.5
Leamington Spa	b3cb	bo	30	46	-	-	2.9	1.6
Lowestoft	ocbc	cbcbbc	38	46	-	-	3.0	1.5
Felixstowe	bc	bc	32	46	-	-	7.2	0.0
Southend	bc	bc	32	50	-	-	5.2	0.0
Paignton	o	odr	42	49	-	1	0.0	0.0
Ilfracombe	or	ord	43	50	1	2	0.0	3.2
Bude	o	od	43	52	1	1	0.1	2.7
Penzance	ord	orm	45	50	6	3	0.0	0.0
Torquay	c	d	45	48	-	1	0.0	0.8
Weymouth	o	oc	42	48	-	-	0.0	4.0
Bournemouth	o	o	37	47	-	-	0.2	4.3
Portsmouth (S'thsea)	oc	bco	36	48	-	-	3.3	2.7
Worthing	bbc	bcc	30	49	-	-	6.7	0.0
Brighton	bcbc	cbcb	32	46	-	-	6.0	0.0
Eastbourne	bc	bcc	36	46	-	-	5.6	0.0
Hastings	b	bob	34	46	-	-	?	0.0
Folkestone	b	c	36	46	-	-	0.7	0.0
Tunbridge Wells	bbc	bc.c.o	29	45	-	-	4.1	0.0
Ramsgate	o	obc c	35	45	-	-	0.7	0.4
Margate	o	oc	38	46	-	-	0.4	0.2
Deal	oo	oc	35	44	-	-	0.0	0.2

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 5. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22392 WEDNESDAY, 14th MARCH 1923. Page 1.

Observations at 1300 G.M.T. 13th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours†	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility § 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1012·9	+11	WSW	6	cfo	46	75	7	2500	Nb	7	–	7	•
Stornoway	1013·0	+9	W	5	c	49	75	6	4000	Cu	8	–	8	•
Wick	1016·7	+8	WNW	4	bc	50	75	8	4000	Cu	4	–	4	•
Castlebay	1022·3	+5	W	3	b	48	65	8	4000	Cu	2	ASt	3	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1021·1	+7	NW	4	b	52	55	8	2500	Cu	1	–	1	1
Malin Head	1024·0	+7	WNW	3	bc/r	47	85	8	4000	Cu	2	CiCu	5	•
Renfrew	1023·0	+5	NW	3	b	49	75	9	4000	Cu	2	–	2	1
Edinburgh (Inchkeith)	1021·6	+4	NW	3	b	49	75	8	–	–	0	ACu	2	•
Leuchars	1022·0	+7	WNW	3	b	52	55	8	4000	StCu	3	–	3	0
Eskdalemuir	1022·3	+4	NW'N	3	bc	48	55	8	4000	Cu	5	–	5	1
Tynemouth	1021·7	+4	NW	2	b–	52	55	7	4000	Cu	2	–	2	•
Blacksod Point	1026·1	+5	SW	3	b	45	75	8	–	–	–	Ci	3	•
Donaghadee	1024·1	+5	W	3	b–	49	65	8	1600	Cu	3	–	3	•
Birr Castle	1026·5	•	NW	1	c+	50	65	8	4000	StCu	5	CiCu	7	•
Holyhead	1024·7	+3	NW	4	b	48	85	8	4000	Cu	1	ASt	2	0
Liverpool (Bidston)	1023·8	+3	W'N	3	b	47	75	7	4000	StCu	2	CiSt	3	•
Chester (Shotwick)	1023·8	+4	NW	6	bc–	49	75	7	2500	Cu	5	Ci	6	5
Spurn Head	1022·8	+3	–	0	o–	48	92	5	2300	StCu	9	–	9	*
Nottingham	1021·8	+3	NE	2	o	49	75	7	1500	StCu	10	–	10	•
Cranwell	1022·9	+3	NE	2	o	45	92	5	2500	St	10	–	10	•
Gorleston	1022·0	+1	SSE	1	o–	43	92	5	2500	St	6	StCu	9	*
Valencia (Cahirciveen)	1025·0	+1	NW	2	b–	50	65	8	2500	Cu	2	ACu	3	1
Roches Point	1027·4	+3	NW	3	c+	56	75	8	4000	Cu	5	Ci	7	•
Pembroke (St. Ann's H.)	1025·0	*	N	4	b	43	75	8	4000	Cu	2	–	2	•
Ross-on-Wye	1022·2	+2	N	4	o	48	65	8	4000	StCu	9	CiSt	10	1
Benson	1021·2	+2	NNE	3	orr	43	92	6	–	Nb	10	–	10	2
Andover	1020·7	+1	NNW	4	ofo	44	85	6	800	St	10	–	10	2
S. Farnborough	1020·5	+2	N	3	offo	42	97	6	800	Nb	10	–	10	2
London (Kew Obsy.)	1020·7	+1	NE	3	orr	43	85	5	800	Nb	10	–	10	2
Croydon	1020·2	+2	NNE	3	offo	43	92	4	450	St	9	ASt	10	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1020·9	+2	E'S	2	of+	43	85	5	800	St	10	–	10	•
Grain	1020·9	+2	E	4	orr	42	97	6	600	Nb	10	–	10	2
Lympne	1019·9	+1	SE	3	orr	40	97	4	220	Nb	10	–	10	2
Scilly (St. Mary's)	1024·5	+2	N'W	4	bc	51	65	8	4000	StCu	4	–	4	•
Falmouth (Pendennis)	1025·0	+2	NNE	4	bc	48	75	8	4000	Cu	5	–	5	•
Plymouth (Cattewater)	1021·8	0	N'W	4	c	48	85	8	2500	StCu	7	–	7	2
Portland Bill	1020·4	+4	NW	5	o+	49	85	7	2500	–	0	ASt	10	•
Southampton (Calshot)	1020·4	0	N	4	ofo	44	92	6	1500	Nb	7	ASt	10	1
Dungeness	1018·9	+1	S	5	orr	43	97	7	1500	St	10	–	10	•
Jersey	1021·0	0	NW	3	c	50	75	7	4000	StCu	5	ACu	8	•

Observations at 1800 G.M.T. 13th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours†	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility § 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1020·8	+3	WSW	4	bc–	43	85	7	4000	Cu	1	ACu	5	3
Stornoway	1024·0	+6	W	4	c–	45	85	6	4000	Cu	7	–	7	3
Wick	1023·7	+6	WSW	1	b/r	45	92	8	5700	StCu	2	–	2	0
Castlebay	1025·6	+5	W	3	opr.	46	75	8	2500	St	10	–	10	3
Nairn	1025·1	•	–	0	bc+	44	85	8	4000	Cu	5	–	5	•
Aberdeen	1025·7	+6	NW	2	b	47	75	7	2500	StCu	2	–	2	0
Malin Head	1026·2	+2	WSW	2	c+	46	85	8	–	–	0	CiCu	7	5
Renfrew	1026·4	+5	WNW	1	b–	45	75	8	–	–	0	–	0	•
Edinburgh (Inchkeith)	1025·4	+5	N	1	bc+	49	55	7	–	Cu	2	ACu	5	0
Leuchars	1025·1	+5	NNW	2	b–	48	65	8	4000	StCu	1	–	1	•
Eskdalemuir	1026·2	+4	N	2	bc	41	75	7	2500	StCu	4	–	4	•
Tynemouth	1025·4	+3	N	2	c	45	85	6	4000	StCu	8	–	8	1
Blacksod Point	1027·2	+2	SW'S	3	c+	46	85	7	2500	–	6	CiCu	6	8
Donaghadee	1027·0	+3	NNE	2	b	46	85	8	–	–	0	CiCu	2	2
Birr Castle	1027·5	•	NW	1	c+	49	75	8	4000	StCu	8	–	8	•
Holyhead	1026·6	+3	NNW	4	b	46	85	8	4000	Cu	1	ASt	2	3
Liverpool (Bidston)	1025·3	+2	WNW	3	bc+	45	85	8	2500	Cu	2	ACu	4	4
Chester (Shotwick)	1025·6	+2	WNW	4	bc+	46	85	7	4000	StCu	5	–	5	•
Spurn Head	1024·9	+2	ESE	1	o	42	97	4	–	–	0	CiSt	9	2
Nottingham	1023·9	+4	E	2	o	46	85	6	2500	StCu	9	ACu	10	•
Cranwell	1024·3	+2	NE	1	o	45	92	6	2500	StCu	9	ACu	10	•
Gorleston	1024·0	+2	ENE	2	o	41	92	5	–	–	0	ACu	9	1
Valencia (Cahirciveen)	1028·4	+1	W	1	b–	49	65	8	2500	StCu	1	ASt	2	4
Roches Point	1027·8	+1	NE	1	c	48	75	8	4000	StCu	4	Ci	7	0
Pembroke (St. Ann's H.)	1026·1	+1	N'E	3	b	45	75	8	–	–	0	–	0	4
Ross-on-Wye	1023·8	+2	N	3	o	47	65	8	2500	St	9	–	9	•
Benson	1023·0	+3	NE	3	orr	43	97	6	–	Nb	10	–	10	•
Andover	1022·5	+2	NNE	4	ofo	42	92	7	800	Nb	3	ASt	10	•
S. Farnborough	1022·8	+3	NNE	2	offo	42	97	5	600	Nb	10	–	10	•
London (Kew Obsy.)	1023·1	+4	NE	2	o/r	44	85	4	600	Nb	10	–	10	•
Croydon	1022·9	+4	NE'E	3	o/r	42	92	5	800	St	10	–	10	•
Clacton-on-Sea	1023·0	+3	ENE	2	c	43	85	5	–	–	0	ACu	7	0
Shoeburyness	1022·9	+2	NE	1	o/r	42	85	6	4000	St	7	ACu	10	•
Grain	1023·3	+4	NNE	4	o	43	92	6	2500	St	6	ACu	10	0
Lympne	1022·3	+2	ENE	2	c–	42	97	6	4000	StCu	8	–	8	•
Scilly (St. Mary's)	1025·5	+1	N'E	4	b	46	75	8	4000	StCu	2	–	2	5
Falmouth (Pendennis)	1025·0	0	N	5	b–	46	75	8	4000	Cu	2	Ci	3	1
Plymouth (Cattewater)	1023·1	+1	N'W	5	bc–	48	85	8	–	–	0	ACu	4	0
Portland Bill	1020·4	0	NNE	5	o	49	85	7	–	–	0	ASt	10	4
Southampton (Calshot)	1022·2	+4	NE'N	4	odd	44	85	6	1500	Nb	10	–	10	0
Dungeness	1021·4	+3	ENE	3	o/r	45	85	7	4000	StCu	10	–	10	4
Jersey	1020·3	0	N	3	orr	46	85	7	1500	Nb	10	–	10	3

London Observations — Weather, Temperature: 24 Hours ended 0900 G.M.T. 14th

London Observations	Weather Morning	Weather Afternoon	Weather Night	Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew (24 hours ended 0700)	orf orm	omtqm	obrnom	•	•	33	8	Tr	0·0	•	•
Croydon (24 hours ended 0700)	ofrrm	omrf	obmofs	•	•	24	8	Tr	0·0	•	•
Greenwich (Royal Obsy.)	rrm	orm	abjwm	44	33	28	6	Tr	0·0	91	91
City (Bunhill Row)	•	•	•	•	•	•	•	•	0·0	•	•
Westminster (St. James' Pk.)	•	•	•	45	40	31	5		0·0	88	88
Regent's Pk. (Botanic Gdns.)	•	•	•	•	•	•	•	•	0·0	•	•
Camden Square	or	r	•	44	33	32	6	–	•	•	94
Kensington Palace	or	o	•	44	36	30	5	–	•	92 (18h)	91
Hampstead Observatory	•	•	•	42	34	28	5	–	0·0	•	94

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1500 G.M.T. 13th

	Max.	Time.	Min.	Time.
South Kensington	0·3 / 1·3	17–22h / 8–9h	<0·3	1–8h (13)
Kew Observatory	0·3 / 0·5	19h (13) / 15h (13)	<0·3	2h (13)

Pole Star Record at Greenwich Obsy. Exposure from 13th 19h 0m to 14th 5h 15m.

Stars	Exposure h. m.	Record h. m.	%
Polaris	10 15	4 48	46
δ Ursae Minoris	10 15	2 21	23

Code for state of ground: 0 = Dry ground. 1 = Wet ground. 2 = Soft (muddy) wet ground. 3 = Bare ground frozen (but less than 2 ins. deep). 4 = Bare ground frozen (to more than 2 ins. deep). 5 = Snow (or wet ground) … 6 = … 7 = … 8 = … 9 = …

Radio Disturbances (Atmospherics) at Croydon.

Time	Type	No. per min.	Stren.	Direc.
13h.	$c_1 c_2$	6	–	145°
18h.	$c_1 c_2$	6	–	160°
01h.	c	5	–	145°
07h.	c	5	–	5°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 14th & 15th March, 1923.

Stations	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	6·14 / 6·11	12·3 / 12·2	5·52 / 5·54
Greenwich	6·19 / 6·17	12·10 / 12·9	5·59 / 6·1
Wick	6·35 / 6·32	12·22 / 12·21	6·8 / 6·11
Valencia	7·0 / 6·58	12·51 / 12·50	6·41 / 6·43

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
fp precipitation within sight of station.
p passing showers. r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather. A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; | = intermittent; – = "decreasing"; + = "increasing"; b(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
r_or_o = continuous light rain.

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Sea Disturbance.
0 = no swell, 1 = mod. swell, 2 = heavy swell — Calm or slight sea.
3 = no swell, 4 = mod. swell, 5 = heavy swell — Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

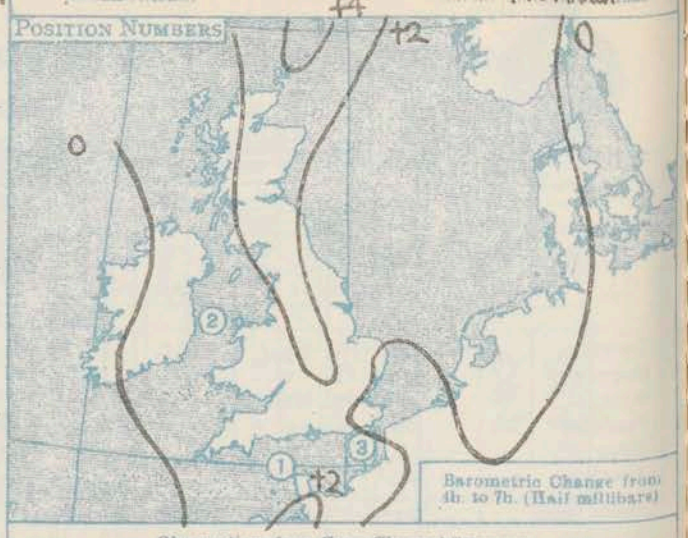
Beaufort No.	Statute miles per hour
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

For explanation see Introduction. * Information for these columns not usually received. † The barometric change is expressed in half millibars. § For scale see page 2.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 13th	18h.-18h. 13th	18h. 13th to 1h. 14th	1h.-7h. 14th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 13th Hours.
Lerwick	omqr	bcp	bc	bc	44	41	•	0·4	-	11.00	-	4·0
Stornoway	c	p	bbc	b	50	34	•	0·4	-	-	-	4·1
Wick	bobc	bcp.	bbc	bbc	52	35	•	0·1	-	13.30	-	*
Castlebay	cbc	bcop	opbo	ocb	50	[illegible]	•	0·2	0·3	-	-	6·8
Nairn	bbcq	qbc	bcbx	bx	50	28	•	-	-	-	-	4·4
Aberdeen	b kq	bybcb	b	ccbmx	53	33	14	-	-	-	-	8·4
Malin Head	p.rbc	bcco	cobcx	bxy	50	35	•	0·3	-	<0800	-	8·2
Renfrew	obcbr	bbv	bmx	bbffx	51	36	18	-	-	-	-	9·3
Edinburgh (Inchkeith)	b bc	bbc	bbcm	mmmz	52	36	28	-	-	-	-	8·7
Leuchars	borbc	b-bc	bbxm	bbxfm	53	33	20	-	-	-	-	9·6
Eskdalemuir	orbcy	bcy	bb	bxb	50	33	28	0·3	-	<0800	-	5·6
Tynemouth	bcm	oam.	ombc	om	52	41	38	-	-	-	-	•
Blacksod Point ...	b.	c		b-bc	50	36	•	—	—	—	—	•
Donaghadee	bc	b	bc	bcw	50	40	•	-	-	-	-	•
Birr Castle ...	bcco	co	cp	bcx	52	30	22	-	-	-	-	8·2
Holyhead	bcb	bb	b	bbcw	48	40	35	-	-	-	-	9·6
Liverpool (Bidston) ...	obc	bbc	fm		48	39	33	-	-	-	-	5·2
Chester (Shotwick) ...	occobcy	cbbc	bcomf	offrf	51	34	29	-	Trace	-	06.30	4·8
Spurn Head	oo	c	bebzv	ozw	48	39	•	Trace	Trace	<0800	21.00	0·6
Nottingham	mg	c	cb	cp	50	39	36	-	0·1	-	03.30	0·1
Cranwell	om	oo	becsf	ofm	47	39	31	-	-	-	-	0·0
Gorleston	orc	cm	b	bbcco	44	39	33	2	-	<0800	•	0·3
Valencia (Cahirciveen)	cpb	b-bc	b	bbx	50	34	30	0·4	-	<0800	-	9·6
Roches Point	bic	bw			52	37	*	-	0·1	-	-	*
Pembroke (St. Ann's H.)	borbc	b-bc	bbc	bbc	49	39	•	-	-	-	-	9·8
Ross-on-Wye	co	oco	ogom	gom	49	40	33	-	-	-	-	0·6
Benson...	orr	rr	ro	oom	45	39	39	5	0·1	<0800	<2100	•
Andover	oromo	orom	oromo	omo	44	40	34	2	0·1	<0800	<2100	0·0
S. Farnborough ...	oroo	oroirm	oromo	omo	43	33	26	5	0·2	<0800	<2100	0·0
London (Kew Obsy.) ...	orform	omrgom	ombm	bmom	44	38	33	8	Trace	0900	<2100	0·0
Croydon	ofrm	omroro	obm	bmfx	43	32	24	8	Trace	<0800	-	0·0
Clacton-on-Sea ...	ogrd	ogdcm	cbcbm	bogm	44	34	31	3	-	<0800	-	0·0
Shoeburyness	orrmgo	oformom	om	omo	44	34	30	6	-	<0800	-	0·0
Grain	Rmrr	orodo	ombc	becom	44	34	34	8	Trace	<0800	-	0·0
Lympne	orrm	orrm	cbco	omx	43	35	29	8	Trace	<0800	02.30	0·0
Scilly (St. Mary's) ...	borbc	b-bc	bbc	co	51	44	•	-	-	-	-	9·5
Falmouth (Pendennis)	bc	bcb	bcom	om	49	42	•	-	-	-	-	9·3
Plymouth (Cattewater)	bbcc	cbbc	bcb	bbcc	50	43	34	-	-	-	-	8·9
Portland Bill	co	oo	o	obc	50	42	*	-	-	-	-	*
Southampton (Calshot)	oromo	oroddo	oddmrb	bmom	43	36	34	0·3	0·2	<0800	<2100	0·0
Dungeness ...	rrd	p	c	oo	45	43	•	6	-	<0800	-	*
Jersey	bcbc	ocorr	opco	oco	51	42	*	2	1	1530	2200	3·8

ISALLOBARS. 14th MARCH 1923.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	13th 1010	HIBERNIA	NNW	5	b	46	44	8
1	" 1300	REINDEER	NNW	5	cot	50	49	5
3	14th 0300	ARUNDEL	E	2	imb	46	48	6

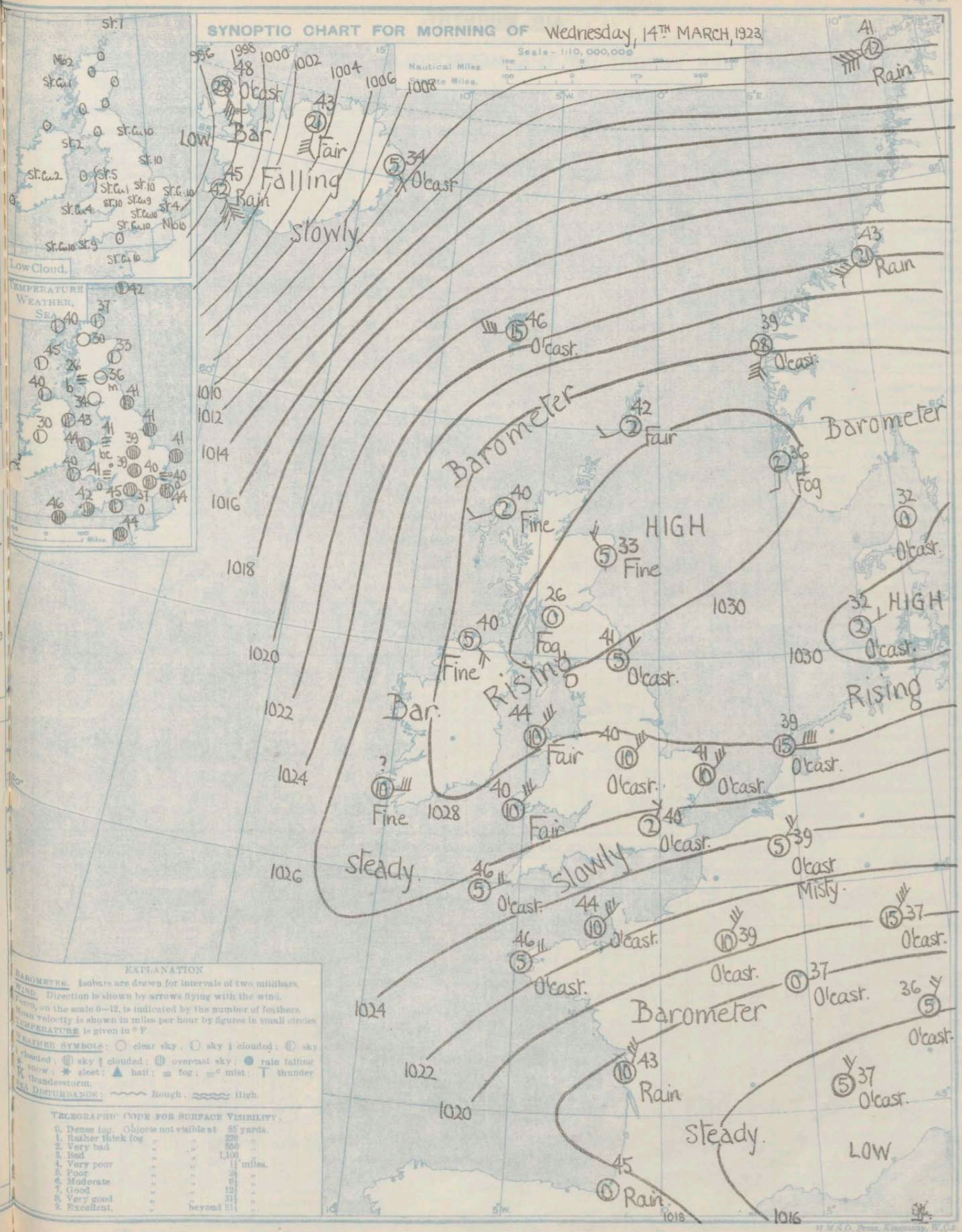
GENERAL INFERENCE.

An anticyclone has formed over Scotland where pressure continues to rise slowly. Weather will be rather cold and mainly dry for a time, though some rain may fall on our northwest coasts as a result of a depression centred near Iceland. Winds will be Easterly over England and variable in Scotland.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 14th March, 1923.	Further Outlook.
1. S.E. England 2. E. England	Wind N.E. to E. moderate, fresh at times; cloudy or overcast; mist in places; rather cold.	Withheld.
3. E. Midlands 4. W. Midlands	Wind N.E. to E. moderate; cloudy, mist in places; rather cold.	
5. S.W. England 6. South Wales	Wind E. to S.E. light or moderate; cloudy to fair; mist in places; rather cold.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind easterly or variable light; fine apart from local mist or fog; rather cold, night frost in places.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light indefinite winds; fine apart from local fog; moderate day temperature, frost at night.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Light S. or S.W. winds; fine at first, probably rain in places later; visibility moderate to good;	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind mainly S.E. light or moderate; fine at first, risk of rain later; moderate day temperature, frost locally at night; visibility mainly good.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF Wednesday, 14TH MARCH, 1923
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Low Bar Falling Slowly
Barometer
HIGH
Bar. Rising
Barometer
HIGH
Rising
Barometer
Steady
LOW
Low Cloud.
TEMPERATURE
WEATHER
SEA
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 ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles.
5. Poor " " 2½ "
6. Moderate " " 6½ "
7. Good " " 12½ "
8. Very good " " 31½ "
9. Excellent. " beyond 31½ "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. WEDNESDAY, 14th MARCH 1923. No. 40.

Observations at 0100 G.M.T. 14th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours	Wind. Direc.	Wind. Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	1026·9	+3	WSW	3	b	45	92	4	-	-	0	A St	3	•
Stornoway	1028·2	+3	WSW	1	bc-	•	6	•	•	•	•	•	•	•
Wick	1025·1	+2	SW	1	b	38	94	8	-	-	0	-	0	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1028·3	+1	S	1	b	39	92	8	-	-	0	-	0	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1029·4	+4	W	1	mb-	40	85	6	*	St	2	-	2	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1028·4	+2	N	1	b	40	92	4	-	-	0	-	0	•
Blacksod Point														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1028·1	0	N	3	b	44	94	8	-	-	0	-	0	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1024·4	+2	E	2	b	41	94	3	-	-	0	-	0	*
Nottingham														•
Cranwell	1026·8	+3	-	0	ff0	38	94	2	800	St	10	-	10	•
Gorleston	1026·2	+1	NE	1	b+	39	92	4	-	-	0	Ci St	1	•
Valencia (Cahirciveen)	1029·0	+1	W	3	b	49	85	6						•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1026·8	-1	N	3	b	42	92	8	4000	St Cu	3	•	3	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	40	•	•	•	•	•	•	•	•
Croydon	1025·6	+1	-	0	b	34	94	5	-	-	0	-	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1024·6	0	NE	3	0	39	92	4	2500	St Cu	10	-	10	•
Scilly (St. Mary's)	1026·5	0	NE'N	4	b	45	93	8	-	-	0	-	0	•
Falmouth (Pendennis)	1025·1	0	NNE	4	0+	45	95	6	2500	St	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1025·4	+2	NE	5	0	44	85	6	2500	St	10	-	10	•
Southampton (Calshot)	1024·9	+3	NE'N	4	fb+	41	92	5	-	-	0	-	0	•
Dungeness	1024·0	+2	E	2	0	43	94	4	-	-	0	-	0	•
Jersey 7h } Guernsey 1h }	1025·5	+2	ENE	6	0	45	85	8	-	-	0	A St	10	•

Observations at 0700 G.M.T. 14th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours	Wind. Direc.	Wind. Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Cloud. Low. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	1029·6	+1	WSW	1	bc	42	94	4	800	St	1	Ci	4	0
Stornoway	1028·6	+1	WSW	1	b	40	94	4	1500	Nb	2	-	2	0
Wick	1029·9	+2	S	1	b+	34	92	8	-	-	0	Ci St	2	0
Castlebay	1028·4	+1	SE	3	b	45	92	8	4000	St Cu	1	-	1	3
Nairn	1030·3	•	-	0	b-	30	85	8	-	-	0	-	0	•
Aberdeen	1031·6	+2	NW	2	b+	33	92	6	-	-	0	Ci St	3	0
Malin Head	1028·5	0	SE	2	b	40	85	8	-	-	0	A Cu	2	5
Renfrew	1031·2	+2	-	0	ffb	26	94	2	-	-	0	-	0	•
Edinburgh (Inchkeith)	1031·3	+2	W	1	mbc+	36	94	5	-	-	0	Ci Cu	6	1
Leuchars	1031·0	+	-	0	b	33	92	6	-	-	0	Ci	3	•
Eskdalemuir	1030·9	+2	NW	2	b	34	85	4	-	-	0	-	0	•
Tynemouth	1029·6	+1	NE	2	0	41	92	6	4000	St Cu	10	-	10	1
Blacksod Point	1027·8	+1	SSE	3	b-	44	65	7	-	St	1	-	1	3
Donaghadee	1029·1	+1	NNE	2	bc-	45	94	8	800	St	2	Ci Cu	4	3
Birr Castle	1028·3	•	NW	1	b-	30	94	4	2500	St Cu	2	-	2	•
Holyhead	1028·1	+1	NE'N	3	bc	44	92	6	-	-	0	A Cu	6	3
Liverpool (Bidston)	1029·8	0	NE	2	fbc-	41	85	3	800	St	6	-	6	3
Chester (Shotwick)	1028·1	0	NE	2	o	40	92	3	1500	St	10	-	10	•
Spurn Head	1028·4	+1	ENE	3	0	41	92	6	1500	St	10	-	10	2
Nottingham	1029·5	+2	NE	3	0	40	92	5	1500	St	10	-	10	•
Cranwell	1028·1	+2	NE'N	2	0	39	94	5	4500	St	10	-	10	•
Gorleston	1026·6	0	ENE	3	0+	41	94	6	4000	St Cu	10	-	10	•
Valencia (Cahirciveen)	1029·0	0-1	E'S	3	b	41	85	8	-	-	0	-	0	1
Roches Point	1028·7	-1	N	1	b	37	94	7	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1026·6	0	NNE	3	bc	40	85	8	4000	St Cu	4	-	4	4
Ross-on-Wye	1026·3	+1	NE	1	mm0	41	92	5	800	St	10	-	10	•
Benson	1025·9	+1	NE	4	0	39	92	4	4	St Cu	9	-	9	•
Andover	1025·4	+1	N'E	3	0	40	92	6	4000	St	10	-	10	•
S. Farnborough	1025·4	0	NE	2	mo-	34	94	5	1500	St Cu	10	-	10	•
London (Kew Obsy.)	1026·3	+1	NNE	1	0	40	85	6	2500	St Cu	10	-	10	•
Croydon	1025·6	0	-	0	fo+	35	94	3	2500	St Cu	10	-	10	•
Clacton-on-Sea	1025·4	+1	NNE	3	mm0	40	92	5	2500	St	4	A St	10	0
Shoeburyness	1025·4	0	NE	2	mo-	39	92	5	1500	St	8	A Cu	10	•
Grain	1025·4	0	NE'N	4	0	40	92	5	2500	St	10	-	10	0
Lympne	1024·6	0	NNE	3	0	40	92	4	2400	St Cu	10	-	10	•
Scilly (St. Mary's)	1025·2	0	ENE	2	0	46	85	4	4000	St Cu	10	-	10	5
Falmouth (Pendennis)	1025·4	+1	NE	3	0-	42	85	4	2500	St	9	-	9	0
Plymouth (Cattewater)	1024·4	+1	N	3	c	43	92	6	2500	St Cu	3	Ci	4	0
Portland Bill	1024·3	+2	NE	5	bc	45	85	6	-	-	0	Ci Cu	4	4
Southampton (Calshot)	1025·1	+1	N	2	mo	38	92	4	4000	St Cu	10	-	10	0
Dungeness	1024·3	0	ENE	3	0	44	92	6	1500	Nb	10	-	10	3
Jersey 7h } Guernsey 1h }	1023·0	+1	NE	3	o/r	44	85	6	1500	St Cu	10	-	10	3

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

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night 12h-13h °F.	Temperature. Max. Day 12h °F.	Rainfall† Night 17h.-9h. 12h-13h mm.	Rainfall† Day 9h.-17h. 12h mm.	Sunshine. Sunrise to 12h hr.	Sunshine. Sunrise to Sunset 12h hr.
Montrose					1	-	8·6	0·0
Llandudno	b	b	43	50	-	-	8·2	0·0
Colwyn Bay	bc	bc	42	50	-	-	8·3	0·0
Rhyl	bc	bc	40	48	0·1	-	8·9	0·0
Southport	bc b	b bc	43	48	-	-	7·4	0·0
Blackpool	c b	bc	43	49	0·1	-	6·0	0·0
Ilkley	R bc	b bcc	42	55	3	-	6·0	0·0
Harrogate	b bc	bcq	39	52	4	-	5·5	1·0
Skegness	r o	r o	38	43	15	0·4	0·0	5·2
Aberystwyth	c b	b	44	47	1	-	8·0	0·5
Bath	oq	oqu	43	43	5	-	0·1	0·0
Leamington Spa	0	0	30	50	6	-	0·0	2·9
Lowestoft	0	ocbc	40	46	2	-	0·3	3·8
Felixstowe	bmr	bcm	40	44	5	1	0·0	7·2
Southend	or	oro	39	44	12	3	0·0	5·2

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night 12h-13h °F.	Temperature. Max. Day 12h °F.	Rainfall† Night 17h.-9h. 12h-13h mm.	Rainfall† Day 9h.-17h. 12h mm.	Sunshine. Sunrise to 12h hr.	Sunshine. Sunrise to Sunset 12h hr.
Paignton	bcq	bcq	44	54	4	-	8·0	0·0
Ilfracombe	bbcb	bbcb	45	50	8	-	5·7	0·0
Bude	cbcbc	bc	46	52	4	-	8·0	0·2
Penzance	bc	bc b	42	52	3	-	9·0	0·0
Torquay	b	b	42	54	5	-	7·0	0·0
Weymouth	c	o	42	51	4	-	1·6	0·0
Bournemouth	c o	o r o	43	49	5	1	1·2	0·2
Portsmouth (S'thsea)	r o	o d	43	46	7	0·4	0·0	3·3
Worthing	o	d	43	45	-	1	0·0	6·7
Brighton	ord	rdr	43	48	11	2	0·0	6·0
Eastbourne	r	r	42	46	14	3	0·0	5·6
Hastings	o R	or d	41	46	7	6	0·0	?
Folkestone	r	o	40	45	4	4	0·0	0·7
Tunbridge Wells	or	ord	37	44	13	4	0·0	4·1
Ramsgate	oroc	ro	39	45	2	2	0·0	0·7
Margate	or	o	39	45	2	1	0·0	0·4
Deal	orm	ocm	40	45	2	1	0·0	0·0

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See Instructions page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22393 THURSDAY, 15th MARCH 1923. Page 1.

Observations at 1500 G.M.T. 14th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1033·1	+3	WSW	2	b	46	85	7	4000	Cu	3	–	3	*
Stornoway	1030·1	+2	SSW	3	b+	49	85	7	4000	Cu	3	–	3	*
Wick	1031·0	+1	S	2	b	45	92	8	–	–	0	Ci	2	*
Castlebay	1029·6	+1	SE	4	b	47	85	8	4000	StCu	1	–	1	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1032·5	0	E	1	b	53	65	6	–	–	0	Ci	1	1
Malin Head	1028·8	0	E	4	b	45	85	8	4000	Cu	1	Ci Cu	2	*
Renfrew	1030·9	-2	–	0	bc+-	40	92	2	4000	Cu	4	–	4	1
Edinburgh (Inchkeith)	1031·4	+1	E	1	bc/f	48	75	7	–	Cu	2	Ci	4	*
Leuchars	1031·7	0	E	2	b	47	85	7	4000	Cu	1	Ci	2	*
Eskdalemuir	1030·8	+1	NE E	3	o+	45	75	8	4000	StCu	9	–	9	0
Tynemouth	1030·3	+1	SE	1	o	43	85	6	4000	StCu	10	–	10	*
Blacksod Point	1027·3	-0	SE	3	b	45	75	8	–	Cu	2	–	2	*
Donaghadee	1028·5	0	E	3	b-	47	75	8	–	–	0	CiCu	2	*
Birr Castle	1028·0	*	E	1	bc+	50	75	8	4000	StCu	6	–	6	*
Holyhead	1028·3	-1	ENE	4	o-	46	92	5	1500	St	4	ACu	9	0
Liverpool (Bidston)	1028·5	0	ENE	3	o	45	75	3	1500	CuNb	10	–	10	*
Chester (Shotwick)	1028·6	-1	ENE	3	mo-	47	75	4	1500	St	6	ACu	10	0
Spurn Head	1029·6	+1	ENE	3	o	48	85	6	2500	St	10	–	10	*
Nottingham	1028·3	0	ENE	3	o	42	85	7	1500	Nb	10	–	10	*
Cranwell	1029·1	*	NE E	3	odo	40	92	6	800	St	10	–	10	*
Gorleston	1027·0	+1	E N	5	o	41	75	7	4000	StCu	10	–	10	*
Valencia (Cahirciveen)	1026·3	-2	E S	2	b+	52	55	9	4000	Cu	1	–	1	1
Roches Point	1027·0	-1	SE	3	c+	49	75	7	4000	CuNb	7	–	7	*
Pembroke (St. Ann's H.)	1026·4	-1	E	3	o+	47	75	7	2500	StCu	9	–	9	*
Ross-on-Wye	1026·6	-1	ENE	3	o	45	75	6	1500	St	10	–	10	0
Benson	1026·4	+0	ENE	3	o	45	75	6	–	StCu	10	–	10	2
Andover	1026·0	0	NE N	3	o	43	85	6	2500	St	10	–	10	1
S. Farnborough	1026·4	-1	NE	2	om-	42	92	5	800	St	10	–	10	2
London (Kew Obsy.)	1026·3	0	ENE	4	o	44	65	6	2500	St	10	–	10	2
Croydon	1026·3	0	ENE	4	o/f	43	75	6	1500	StCu	10	–	10	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1026·7	+1	ENE	4	or+	42	85	8	1500	StCu	7	ASt	10	*
Grain	1026·6	0	ENE	4	o	43	85	8	2600	StCu	10	–	10	2
Lympne	1025·5	-1	ENE	5	odo	44	75	8	2500	Nb	3	StCu	10	2
Scilly (St. Mary's)	1025·1	0	ESE	2	o	50	75	7	4000	StCu	9	–	9	*
Falmouth (Pendennis)	1025·8	0	E	4	c	46	75	6	4000	StCu	8	–	8	*
Plymouth (Cattewater)	1024·8	-1	E	3	o	47	85	6	4000	StCu	10	–	10	1
Portland Bill	1024·8	+2	NNE	5	imo	47	85	5	2500	–	0	ASt	10	^
Southampton (Calshot)	1025·5	0	ENE	4	mmo	44	85	4	600	St	10	–	10	○
Dungeness	1024·4	0	ENE	3	o	43	85	7	1500	St	10	–	10	*
Jersey	1023·2	0	ENE	4	o	47	65	6	2500	StCu	10	–	10	*

Observations at 1800 G.M.T. 14th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1032·1	+2	SSW	2	b	44	92	7	–	–	0	Ci	1	1
Stornoway	1030·1	0	SSW	2	b-	46	85	7	–	–	0	–	0	1
Wick	1031·0	0	S	1	b	43	97	8	–	–	0	CiSt	2	0
Castlebay	1029·4	0	ESE	4	b	47	85	8	4000	Cu	1	–	1	4
Nairn	1031·1	*	–	0	b-	43	85	8	–	–	0	–	0	*
Aberdeen	1032·7	+1	SE E	2	c+	42	92	6	800	St	7	–	7	0
Malin Head	1028·7	0	ESE	4	b	47	85	8	–	–	0	ACu	3	3
Renfrew	1030·8	+0	NE	2	b	46	75	7	5700	StCu	2	–	2	*
Edinburgh (Inchkeith)	1031·5	+2	E	3	mo-	40	97	6	–	St	9	ACu	10	2
Leuchars	1032·0	+2	E	2	ffo	39	97	2	<150	St	10	–	10	*
Eskdalemuir	1031·0	+1	E S	3	o	40	85	6	2500	StCu	10	–	10	*
Tynemouth	1031·4	0	ESE	2	o	42	85	6	4000	StCu	10	–	10	0
Blacksod Point	1026·8	-1	SE	2	bc.	48	85	8	–	–	–	CiCu	4	8
Donaghadee	1029·3	0	E	3	bc+	46	85	8	4000	Cu	3	ACu	5	3
Birr Castle	1026·6	*	E	1	c+	46	75	8	800	Cu	2	ASt	8	*
Holyhead	1028·0	+1	ENE	5	o	45	85	5	2500	St	6	ACu	10	4
Liverpool (Bidston)	1028·6	+1	ENE	3	o	43	75	3	1500	St	10	–	10	3
Chester (Shotwick)	1028·6	+1	NE	3	o	43	75	5	2500	StCu	10	–	10	*
Spurn Head	1029·8	+0	NE	5	opro	40	85	7	2500	Nb	10	–	10	4
Nottingham	1028·5	+1	ENE	3	o	41	85	7	2500	StCu	10	–	10	*
Cranwell	1028·9	+1	NE E	3	o	40	85	6	2500	StCu	10	–	10	*
Gorleston	1027·1	0	ENE	6	oro+	39	92	6	4000	Nb	10	–	10	4
Valencia (Cahirciveen)	1025·5	0	–	0	c+	49	75	8	2500	StCu	7	–	7	1
Roches Point	1026·4	0	SE	3	o	47	85	7	2500	StCu	10	–	10	3
Pembroke (St. Ann's H.)	1026·1	-0	E	2	o	44	75	7	2500	St	9	–	9	3
Ross-on-Wye	1026·5	0	ENE	2	mmo	42	85	6	600	St	10	–	10	*
Benson	1026·3	+1	NE	4	o	41	85	6	–	St	10	–	10	*
Andover	1025·8	+0	NE E	4	o	40	75	7	2500	StCu	10	–	10	*
S. Farnborough	1026·3	+0	NE	2	mmo	40	85	4	800	St	10	–	10	*
London (Kew Obsy.)	1026·2	0	NE	3	o	42	65	5	1600	StCu	10	–	10	*
Croydon	1025·8	0	NE	4	o/r	40	75	5	4000	StCu	10	–	10	*
Clacton-on-Sea	1026·0	0	NNE	3	o	40	85	7	4000	StCu	8	ASt	10	1
Shoeburyness	1026·0	-1	NE	5	oro	39	85	7	1500	StCu	9	ASt	10	*
Grain	1026·0	+1	NE N	5	oro	40	85	8	2500	Nb	10	–	10	3
Lympne	1024·7	+0	NE	5	o/r	40	85	8	2500	StCu	10	–	10	*
Scilly (St. Mary's)	1024·9	0	ESE	1	c+	47	75	6	4000	StCu	8	–	8	1
Falmouth (Pendennis)	1024·2	-2	ENE	4	o	46	75	6	4000	StCu	10	–	10	1
Plymouth (Cattewater)	1024·0	+0	NE	2	o	45	85	6	4000	StCu	10	–	10	0
Portland Bill	1024·1	-2	ENE	5	o/m	46	85	6	–	–	0	ASt	10	4
Southampton (Calshot)	1025·7	+1	ENE	4	o	41	85	6	1500	St	6	ASt	10	0
Dungeness	1023·4	-1	ENE	5	c+	42	92	8	2600	StCu	8	–	8	5
Jersey	1021·5	-1	ENE	4	o	46	65	6	2500	StCu	10	–	10	3

LONDON OBSERVATIONS (Weather and Temperature: 24 hours ended 0900 G.M.T. 15th; Kew, Croydon: 24 hours ended 0700)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew	omod	ozdoz	oorom	*	*	37	–	0·6	0·0	*	*
Croydon	oxf	po omz	omdd	*	*	36	0·1	0·2	0·0	*	*
Greenwich (Royal Obsy.)	o	ocd	or	45	38	37	–	1	0·0	79	96
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James' Pk.)	*	*	*	46	38	38	1·2		0·0	71	87
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	0·0	*	*
Camden Square	o	o	*	45	37	40	–	1	*	*	96
Kensington Palace	o	o	*	45	36	37	–	2	*	69 (21h)	94
Hampstead Observatory	*	*	*	42	36	33	2	0·4	0·0	*	99

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1800 G.M.T. 14th

	Max.	Time.	Min.	Time.
South Kensington	0·6	19h (13th)	0·3	4h (14th)
	1·0	9h (14th)		
Kew Observatory	0·8	20h (13th)	0·3	6h (14th)
	0·9	10h (14th)		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 14th 19 h. 0 m. to 15th 5 h. 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10 15	–	0
δ Ursae Minoris	10 15	–	0

CODE FOR STATE OF GROUND.
0–Dry ground.
1–Wet ground.
2–Soft (muddy) wet ground.
3–Bare ground frozen (but less than 2 ins. deep).
4–Bare ground frozen (but more than 2 ins. deep).
5–Dew (or wet ground but not wet ground).
6–Skating today in 1200 & 1800 reports (ice frost in 0900 and 1200 reports).
7–Snow thin layer, often not continuous.
8–Snow (deep, impeding traffic, usually a continuous layer).
9–Glazed roads (ice of roads from fog/rain or similar).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.

Time.	Type.	No. per 4 sec.	Stren.	Direc.
15h.	C_1C_2	6	–	160
18h.	C_1C_2	6	–	145
01h.	C_1C_2	6	–	140
07h.	C_1C_2	6	–	165

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 16th & 16th MARCH, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·11	12·2	5·54
	6·8	12·2	5·56
Greenwich	6·14	12·9	6·2
	6·14	12·9	6·6
Wick	6·32	12·21	6·11
	6·29	12·21	6·14
Valencia	6·58	12·30	6·43
	6·56	12·30	6·45

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r_or_o = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 33 feet above the ground.

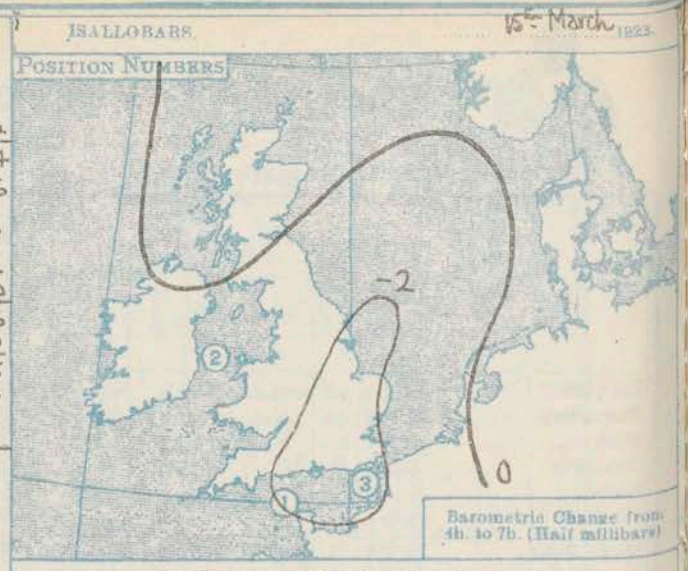
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

For explanation see introduction. * Information for these columns not usually received. † The barometric change is expressed in half millibars. § For code see page 5.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 14th	13h.-18h. 14th	18h. 14th to 1h. 15th	1h.-7h. 15th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 14th Hours.
Lerwick	bc	b	b	om	48	38	*	-	-	-	-	9·4
Stornoway	b or bc	b-bc	b-bc	b	50	30	*	-	-	-	-	9·6
Wick	b or bc	b.bc	b-bc	bff bc	45	36	*	-	-	-	-	*
Castlebay	bz	bzb	b	bc	47	43	*	-	-	-	-	9·7
Nairn	bbc	bob	bxbc	bcx	48	27	*	-	-	-	-	9·2
Aberdeen	b or bc	bbcom	cofco	.om	53	37	*	-	-	-	-	9·0
Malin Head	bcv	bcv	bcx	conz	47	37	*	-	-	-	-	8·6
Renfrew	bxff	bcffb	bo	oom	49	38	35	-	-	*	-	3·2
Edinburgh (Inchkeith)	m	ff	oo	oo	49	38	33	Trace	Trace	-	-	5·5
Leuchars	f or m	bmovf	off	omm	47	38	36	-	-	-	-	6·8
Eskdalemuir	bbcco	co	oom	omo	48	35	35	-	-	-	-	4·1
Tynemouth	om	om	om	oo	43	39	38	-	-	-	-	*
Blacksod Point ...	b-bc						*					*
Donaghadee	bc	bc	oq	oq	46	43	*	-	-	-	-	*
Birr Castle ...	bc.c.o	co	co	coz	51	40	33	-	-	-	-	6·2
Holyhead	bc.com	ocom	oom	oo	47	39	39	-	-	-	-	3·8
Liverpool (Bidston) ...	of	f		m	47	36	35	-	-	-	-	0·0
Chester (Shotwick) ...	offm	om	om	om	48	38	36	-	-	-	-	0·4
Spurn Head	c	c	oir	c	44	36	*	Trace	0·4	17.30	<2100	0·1
Nottingham	o	oo	o	p.	43	35	35	-	0·2	-	2400	0·0
Cranwell	omo	pro	om	d.	42	35	34	Trace	0·1	1230	<2100	0·0
Gorleston	oq	oqr.	oqr.	oqir.	42	39	38	0·2	Trace	17.30	<2100	0·0
Valencia (Cahirciveen)	by	bybcc	bc					-		-		
Roches Point	bbcc	co	o	o	50	41		-	-			
Pembroke (St. Ann's H.)	c	co	oo	oo	50	39	*	-	-	-	-	*
Ross-on-Wye	omcom	om	gomo	oo	45	37	36	-	-	-	-	*
Benson...	oo	oo	oo	or	46	36	36	-	0·4	-	5·30	
Andover	om	omo	o	oor.r.	43	36	35	-	0·3	-	6.30	0·0
S. Farnborough ...	or.om	ompr.		oco	43	36	36	0·1	1	09.00	-	0·0
London (Kew Obsy.)...	omoq	ozgoz	oo	oorom	44	38	37	-	0·6	-	5·30	0·0
Croydon	orpor	ocmz	oz bom	omd.d.	43	37	36	0·1	0·2	1230	<2100	0·0
Clacton-on-Sea ...	ogmpd	oq	ogp	ogp	43	39	37	Trace	1	12.30	<2100	0·0
Shoeburyness ...	omor	oir.	oip.	orr	44	38	37	0·1	2	12.30	<2100	0·0
Grain	omp.o	oir.	oobo	odrq	44	38	38	0·2	2	09.00	22.00	0·0
Lympne	omid.	oid.	omdr	orrm	43	38	37	Trace	1	12.30	<2100	0·0
Scilly (St. Mary's) ..	co	ocm	o	oc	53	40	*	-	-	-	-	4·1
Falmouth (Pendennis)	omc	com	om	om	48	40	*	-	-	-	-	2·2
Plymouth (Cattewater)	co	oo	oo	oo	49	39	36	-	-	-	-	0·5
Portland Bill	bcom	omo	oo	oo	48	36	*	-	-	-	-	*
Southampton (Calshot)	omo	oo	omo	orm	45	37	37	-	2	-	430	0·0
Dungeness ..	oo	c	or	p	45	41	*	-	1	-	1·30	*
Jersey	oco	oo	oir.	or.	48	41		-	2	-	22.00	0·1



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	1000.14th	Hibernia	NE	2	bc	46	47	8
3	0300.15th	?	ENE	5	r	42	46	7

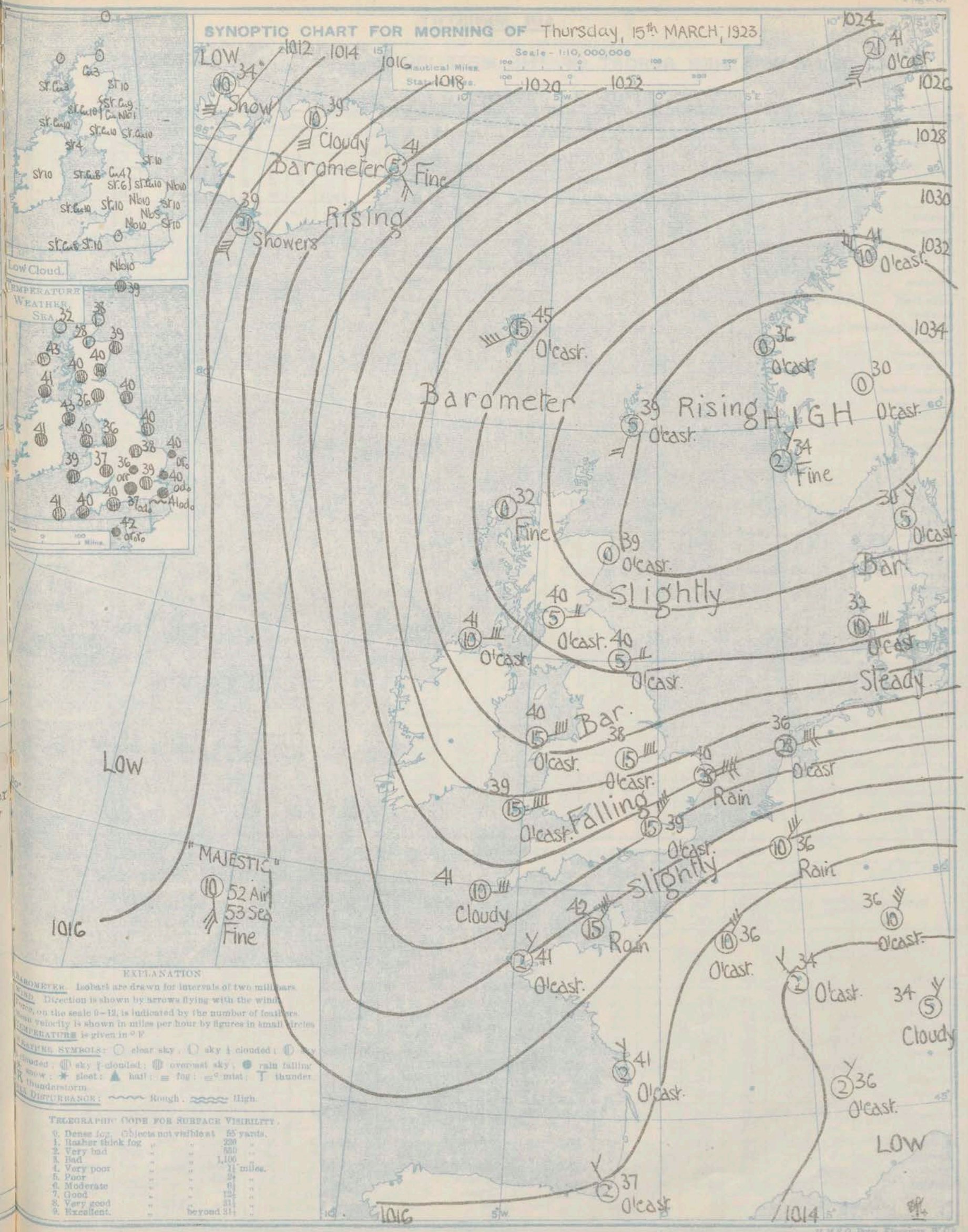
GENERAL INFERENCE.

The anticyclone covering the Northern North Sea will maintain winds mainly from an Easterly point with rather cold cloudy weather. Further rain is likely in the E and S.E. districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 15th March, 1923.	Further Outlook.
♠1. S.E. England ♠2. E. England	Wind N.E. to E strong on the coast, moderate or fresh inland; dull some rain; visibility moderate; rather cold.	
3. E. Midlands 4. W. Midlands	Moderate N.E. or E wind; cloudy or overcast, rain in places; visibility moderate; rather cold.	Rather cold, cloudy weather with Easterly winds. ------
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind Easterly, moderate; cloudy; visibility moderate to good; rather cold.	♠ North Cone hoisted at 0300 to-day. ------
10. N.E. England 11. E. Scotland	Wind Easterly light or moderate; cloudy, probably some drizzle on the coast; visibility mainly good; rather cold.	
12. S.W. Scotland 13. Isle of Man	As 5 - 9.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind S or S.E. light to moderate; mainly fair; visibility good apart from local mist; rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind E to S.E. light or moderate; cloudy, visibility moderate to good; rather cold. E.M.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M.S.O. Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Thursday, 15th March 1923. No. 74.

Observations at 0100 G.M.T. 15th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Low. Height Feet	Low. Form.	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1033·6	+2	–	0	b	39	97	7	–	–	0	–	0	•
Stornoway	1032·4	+3	–	0	b	•	•	6	•	•	•	•	•	•
Wick	1032·1	+1	S	2	b	41	97	7	–	–	0	–	0	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1029·1	0	S	3	0+	43	92	8	5700	StCu	9	–	9	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1031·8	0	E	3	o/f	39	97	7	–	St	10	–	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1031·7	0	ESE	3	0	41	85	7	4000	StCu	10	–	10	•
Blacksod Point														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1029·1	+1	E'N	5	o-	42	92	7	450	St	10	–	10	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1029·2	0	NE	5	or	38	92	7	4000	Nb	10	–	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1028·6	0	NE'E	3	od.	35	97	6	800	St	10	–	10	•
Gorleston	1025·6	-2	E'N	7	or.	39	92	7	4000	Nb	10	–	10	•
Valencia (Cahirciveen)	1025·3	0	–	0	bc+	43	92	8	–	Nb	5	–	5	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1026·3	0	ENE	4	0	42	85	7	2500	St	10	–	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	39	•	•	•	•	•	•	•	•
Croydon	1024·5	-2	NNE	4	o/r	38	85	6	1500	StCu	10	–	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1022·3	-2	NNE	5	orr	39	97	6	450	Nb	10	–	10	•
Scilly (St. Mary's)	1024·3	0	ESE	3	0	45	85	7	4000	StCu	10	–	10	•
Falmouth (Pendennis)	1024·1	0	ENE	6	0	44	75	6	4000	StCu	10	–	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1024·1	0	NE	5	0	41	92	6	2500	St	10	–	10	•
Southampton (Calshot)	1024·7	-1	NNE	4	0	39	85	7	2500	StCu	10	–	10	•
Dungeness	1021·4	-1	ENE	5	or+	42	92	7	1500	St	10	–	10	•
Jersey 7h / Guernsey 1h	1022·2	-1	NNE	6	oPH	41	92	5	5700	Nb	10	–	10	•

Observations at 0700 G.M.T. 15th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Low. Height Feet	Low. Form.	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1033·8	+1	SSW	2	0+	39	97	4	–	–	0	ASt	10	1
Stornoway	1031·2	0	–	0	b-	32	97	7	–	–	0	–	0	0
Wick	1033·0	+1	S	2	b	38	97	8	–	–	0	ASt	2	0
Castlebay	1031·1	0	SE	3	bc	43	85	7	2500	StCu	3	ASt	5	3
Nairn	1032·9	•	–	0	b	28	75	8	4000	Cu	3	–	3	•
Aberdeen	1034·0	+1	–	0	0	39	92	5	800	St	10	–	10	0
Malin Head	1029·6	+1	ESE	3	0	41	85	7	5700	StCu	10	–	10	2
Renfrew	1031·8	0	E	2	0	40	92	5	2500	StCu	10	–	10	•
Edinburgh (Inchkeith)	1031·6	-1	ENE	3	0	40	92	8	–	StCu	10	–	10	2
Leuchars	1032·1	0	–	0	0	40	97	6	1500	St	10	–	10	•
Eskdalemuir	1031·6	0	NE	2	0	36	85	8	2500	StCu	10	–	10	•
Tynemouth	1030·9	-1	E	2	0	40	85	7	4000	StCu	10	–	10	1
Blacksod Point	1029·2	0	E	4	0	43	75	8	1500	St	4	ASt	10	3
Donaghadee	1027·2	•	ENE	1	0+	41	92	5	450	St	10	–	10	•
Birr Castle	1028·4	0	ENE	4	0	40	85	8	2500	StCu	8	ASt	10	4
Holyhead	1028·4	-1	NNE	2	0	36	92	4	800	St	10	–	10	3
Liverpool (Bidston)	1028·4	-1	NNE	3	0	38	85	5	5700	StCu	10	–	10	•
Chester (Shotwick)	1027·9	-2	NNE	6	0	40	85	7	2500	St	10	–	10	4
Spurn Head	1026·9	-2	ENE	4	0	38	85	7	2500	StCu	10	–	10	•
Nottingham	1026·8	-3	NE	4	0	37	92	6	800	St	10	–	10	•
Cranwell	1024·2	-1	E'N	6	or.	40	92	6	4000	Nb	10	–	10	5
Gorleston	1025·8	0	ENE	1	0	41	92	7	2500	St	5	ASt	10	0
Valencia (Cahirciveen)	1025·8	0	ENE	4	0	39	75	7	2500	StCu	10	–	10	4
Roches Point	1025·7	-1	NE	4	0	37	85	7	1500	St	10	–	10	•
Pembroke (St. Ann's H.)	1023·3	-2	NE	4	orr	36	97	6	–	Nb	10	–	10	•
Ross-on-Wye	1023·0	-2	NNE	5	or.	36	92	7	800	Nb	10	–	10	•
Benson	1021·4	-2	NNE	3	od.	37	97	5	800	Nb	10	–	10	•
Andover	1022·7	-1	NNE	4	o/r	39	92	6	1500	Nb	5	ASt	10	•
S. Farnborough	1022·9	-2	NNE	4	od.	38	97	4	800	St	10	–	10	•
London (Kew Obsy.)	1021·7	-1	NE	5	od.	40	97	6	2500	St	10	–	10	2
Croydon	1023·0	-1	NE	6	or.	40	85	7	450	Nb	8	ASt	10	•
Clacton-on-Sea	1021·8	-2	NE	7	orr	41	97	6	800	Nb	10	–	10	3
Shoeburyness	1020·3	+1	NE	5	or.	38	97	6	450	Nb	10	–	10	•
Grain	1023·6	0	E	3	c	41	75	7	4000	StCu	8	–	8	2
Lympne	1023·6	0	NE	3	0	40	75	8	4000	St	10	–	10	0
Scilly (St. Mary's)	1023·2	0	NE	3	0	39	92	8	–	–	0	ASt	10	0
Falmouth (Pendennis)	1022·3	-3	NNE	5	0	40	85	6	2500	St	10	–	10	4
Plymouth (Cattewater)	1022·2	-3	N	3	orr	38	92	6	800	Nb	10	–	10	0
Portland Bill	1019·1	-2	ENE	7	od.	41	92	7	1500	St	10	–	10	7
Southampton (Calshot)	1019·6	-1	NNE	4	or.	42	85	7	1500	Nb	10	–	10	3
Dungeness														
Jersey / Guernsey														

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night 13h.-14h. °F.	Temperature. Max. Day 14h. °F.	Rainfall.† Night 17h.-9h. 13h.-14h. mm.	Rainfall.† Day 9h.-17h. 14 mm.	Sunshine. Sunrise to 1900 14h. hr.	Sunshine. Sunrise to Sunset 13h. hr.
Montrose	–	–	33	46	–	–	7·7	9·1
Llandudno	mo	mo	33	47	–	–	0·1	8·7
Colwyn Bay	c	c	35	46	–	–	0·4	8·9
Rhyl	o	o	35	47	–	–	0·0	8·9
Southport	o	o	36	46	–	–	0·0	7·4
Blackpool	o	o	35	45	–	–	0·0	1·3
Ilkley	od. m	c	37	43	Trace	–	0·0	3·2
Harrogate	o	o	37	44	–	–	0·0	5·5
Skegness	o	o	40	42	0·4	–	0·0	0·0
Aberystwyth	o cb	o	38	50	–	–	1·0	8·0
Bath	o g	o g	42	47	–	–	0·0	0·1
Leamington Spa	o	o	40	44	–	–	0·0	0·0
Lowestoft	o	or.	38	43	–	0·2	0·0	0·3
Folkestone	om	o	38	44	–	–	0·2	0·0
Southend	moc	ode	36	44	–	1	0·0	0·0
Paignton	co	bc co	44	48	–	–	1·9	8·0
Ilfracombe	o	o	44	45	–	–	0·0	5·7
Bude	bc	c o	41	48	–	–	0·0	8·0
Penzance	bc o	o bc o	43	49	–	–	2·1	9·3
Torquay	bc o	co	44	50	–	–	1·7	7·1
Weymouth	c o	o	38	51	–	–	0·1	1·6
Bournemouth	o	o	35	45	–	–	0·1	1·2
Portsmouth (St'chess)	o	o	38	45	1	–	0·0	0·0
Worthing	o	o	38	45	1	–	0·0	0·0
Brighton	o	o	33	48	0·2	–	0·0	0·0
Eastbourne	o	o	38	45	0·3	–	0·0	0·0
Hastings	om o	o	38	44	0·4	–	0·0	0·0
Folkestone	o	o	40	44	–	–	0·0	0·0
Tunbridge Wells	of o	o	34	44	Trace	–	0·0	4·0
Ramsgate	o	o	39	44	–	–	0·0	0·0
Margate	o	o	42	44	–	–	0·0	0·0
Deal	o	o	41	44	Trace	–	0·0	0·0

* Information for these stations not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. † See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22,394 Friday 16th March 1923. Page 1

Observations at 1300 G.M.T. 15th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1034·8	0	SSW	2	mo	39	97	5	1500	St	10	–	10	•
Stornoway	1031·1	0	S	2	b	47	85	7	–	–	0	–	0	•
Wick	1032·6	-1	SE	2	o+	42	92	8	5700	StCu	9	–	9	•
Castlebay	1030·6	0	ESE	4	b	45	75	7	2500	St	3	–	3	•
Nairn	*	*	*	*	*	*	*							•
Aberdeen	1033·6	-1	NE'E	3	o	40	85	7	2500	StCu	10	–	10	1
Malin Head	1028·6	-1	E	4	o	43	85	8	5700	StCu	10	–	10	•
Renfrew	1031·1	-1	E	4	o	43	75	6	2500	StCu	10	–	10	1
Edinburgh (Inchkeith)	1031·1	-1	E	4	o	41	85	7	–	StCu	10	–	10	•
Leuchars	1031·8	0	ENE	4	o	42	85	7	1500	StCu	10	–	10	0
Eskdalemuir	1029·9	-1	NE	5	o	40	75	7	2500	StCu	10	–	10	0
Tynemouth	1029·9	-1	E	3	o	41	85	7	4000	StCu	10	–	10	•
Blacksod Point	1026·7	0	ESE	4	o	45	75	7	–	–	–	ASt	10	•
Donaghadee	1028·7	-1	ESE	5	o	43	75	8	1500	Cu	6	ASt	10	•
Birr Castle	1026·7		E	1	o–	41	85	7	4000	Cu	9	–	9	•
Holyhead	1025·8	-4	ENE	6	o	42	92	7	1500	StCu	10	–	10	0
Liverpool (Bidston)	1025·8	-3	NE'E	3	opr_0	40	85	3	1500	CuNb	10	–	10	•
Chester (Shotwick)	1026·2	-3	ENE	3	or_0r_0	40	92	4	1500	St	10	–	10	1
Spurn Head	1025·6	-2	NE	6	or_0	39	97	7	2500	Nb	10	–	10	•
Nottingham	1025·0	-3	ENE	4	or_0r_0	39	92	7	1500	Nb	10	–	10	•
Cranwell	1025·3	-2	NE'E	4	o/r	38	97	6	800	StCu	10	–	10	2
Gorleston	1023·3	0	E'N	6	o	40	92	6	4000	Nb	10	–	10	•
Valencia (Cahirciveen)	1024·1	-1	E'S	5	b-	48	55	7	–	–	0	–	0	0
Roches Point	1025·3	0	ENE	3	o	42	85	7	4000	St	10	–	10	•
Pembroke (St. Ann's H.)	1024·0	-2	ENE	4	o	41	85	7	1500	StCu	10	–	10	•
Ross-on-Wye	1022·1	-2	NE	4	mo	39	85	6	1500	St	10	–	10	1
Benson	1021·1	-2	NE	4	odd	39	97	6	–	Nb	10	–	10	2
Andover	1020·7	-2	NE'N	5	o/r	39	97	6	800	St	10	–	10	1
S. Farnborough	1020·4	-2	NE	3	o/r	39	92	6	800	St	10	–	10	2
London (Kew Obsy.)	1020·7	-2	NE	5	o/r	41	85	5	1500	Nb	10	–	10	2
Croydon	1020·6	-2	NE	5	od_0d_0	39	92	5	450	Nb	10	–	10	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*		•
Shoeburyness	1021·1	-2	NE	5	or_0	41	85	7	800	St	10	–	10	*
Grain	1020·7	-1	ENE	6	o	41	85	7	1500	St	10	–	10	2
Lympne	1019·2	0	NE	5	o	39	92	6	450	St	10	–	10	4
Scilly (St. Mary's)	1022·0	-1	NE'E	3	c+	48	65	8	4000	StCu	7	–	7	•
Falmouth (Pendennis)	1021·6	-2	NE	4	o–	43	75	7	4000	Cu	10	–	10	•
Plymouth (Cattewater)	1020·9	-2	NE	4	o	42	85	7	800	StCu	10	–	10	0
Portland Bill	1020·1	-4	ENE	5	od_0r	40	92	6	450	St	10	–	10	•
Southampton (Calshot)	1020·0	-3	ENE	5	o/r	41	85	6	800	St	10	–	10	1
Dungeness	1018·6	-1	ENE	6	o/r	41	92	7	1500	St	10	–	10	•
Jersey	1016·8	-2	NE	4	or_0r_0	42	92	6	1500	Nb	10	–	10	•

Observations at 1800 G.M.T. 15th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1033·9	0	SSE	1	o	38	92	7	5700	StCu	4	ASt	10	0
Stornoway	1029·8	-1	=	0	b	44	85	7	–	–	0	–	0	0
Wick	1031·2	0	W	3	o	41	92	8	5700	StCu	10	–	10	0
Castlebay	1029·0	-1	N	2	b	44	75	8	2500	Cu	2	–	2	2
Nairn	1030·8	*	ESE	2	bc+	40	75	7	4000	Cu	3	CiCu	5	•
Aberdeen	1032·9	0	E	2	o–	40	85	7	1500	St	9	–	9	0
Malin Head	1027·4	-1	E	3	o	44	85	8	5700	StCu	10	–	10	3
Renfrew	1030·0	0	ENE	3	mo+	41	85	5	1500	St	10	–	10	•
Edinburgh (Inchkeith)	1030·2	-1	E	3	o	40	85	8	–	StCu	10	–	10	3
Leuchars	1031·0	-0	ENE	3	o	40	85	7	1500	StCu	10	–	10	•
Eskdalemuir	1029·3	0	NNE	4	o	37	85	6	1500	St	10	–	10	•
Tynemouth	1028·8	0	ENE	3	o	40	92	7	4000	StCu	10	–	10	2
Blacksod Point	1025·6	0	E	2	o	43	75	7	–	–	0	ASt	10	0
Donaghadee	1026·8	-1	E	4	o–	43	85	8	2500	Cu	6	ACu	9	4
Birr Castle	1025·2	*	NE	2	o+	42	85	5	800	Nb	10	–	10	•
Holyhead	1024·1	-1	NE'E	5	or	43	97	7	1500	Nb	10	–	10	4
Liverpool (Bidston)	1024·0	-1	NE'E	4	o/r	41	85	4	1500	St	10	–	10	4
Chester (Shotwick)	1024·5	-1	NE	3	fo	41	85	3	1500	St	10	–	10	•
Spurn Head	1025·7	-0	ENE	5	o	40	92	6	2500	StCu	10	–	10	5
Nottingham	1024·1	-1	ENE	4	o	39	92	7	2500	Nb	10	–	10	
Cranwell	1024·5	+0	NE'E	3	od_0d_0	38	97	6	800	Nb	10	–	10	
Gorleston	1023·0	-1	E'S	5	o	40	92	6	2500	Nb	10	–	10	6
Valencia (Cahirciveen)	1023·6	0	ENE	2	b-	45	65	7	–	–	0	–	0	1
Roches Point	1023·2	-1	ENE	2	o	43	85	7	4000	St	10	–	10	0
Pembroke (St. Ann's H.)	1021·4	-3	ENE	4	o	42	85	7	2500	St	10	–	10	2
Ross-on-Wye	1022·0	+1	NE	4	od_0	39	92	6	1500	St	10	–	10	•
Benson	1020·5	+1	NE'E	3	odd	40	92	6	–	Nb	10	–	10	•
Andover	1020·1	+0	NE	5	od_0d_0	39	92	6	800	Nb	10	–	10	•
S. Farnborough	1020·2	+0	ENE	3	or_0r_0	39	92	4	800	St	10	–	10	•
London (Kew Obsy.)	1020·7	+1	NE	4	or_0r_0	40	92	4	1500	Nb	10	–	10	•
Croydon	1020·6	+1	NE	4	od_0d_0	39	97	4	450	Nb	10	–	10	•
Clacton-on-Sea	1020·8	0	ENE	6	o	41	92	6	1500	St	10	–	10	4
Shoeburyness	1020·8	-1	E'N	4	od_0	40	85	6	800	Nb	10	–	10	•
Grain	1020·6	+0	ENE	6	od_0d_0	41	92	6	800	St	10	–	10	
Lympne	1020·0	+2	ENE	4	od_0	39	92	6	220	Nb	10	–	10	•
Scilly (St. Mary's)	1019·9	-2	ENE	4	or_0r_0	43	85	6	800	St	10	–	10	3
Falmouth (Pendennis)	1019·5	-2	NE	4	o	40	92	7	2500	CuNb	10	–	10	1
Plymouth (Cattewater)	1019·3	-1	NE	3	o	41	92	7	800	St	10	–	10	0
Portland Bill	1018·3	-4	NNE	5	or_0	40	92	5	450	St	10	–	10	4
Southampton (Calshot)	1019·7	+1	NE	4	od_0d_0	40	92	6	800	Nb	10	–	10	0
Dungeness	1019·2	+1	ENE	4	c	41	92	7	1500	St	8	–	8	4
Jersey	1015·4	-1	ENE	4	o/r	42	92	6	1500	Nb	10	–	10	4

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day
	24 Hours ended 0900 G.M.T. 16th										
Kew (24 hours ended 0700)	or_0om	omr_0r	or_0mod_0	*	*	39	1	0·3	0·0	*	*
Croydon (24 hours ended 0700)	omd_0d_0	od_0om	$omdd_0$	*	*	38	0·6	1	0·0	*	*
Greenwich (Royal Obsy.)	oid	oip	oid	43	39	39	0·3	0·5	0·0	88	92
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James' Pk.)	*	*	*	44	40	40	0·6		0·0	84	88
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	0·0	*	*
Camden Square	r	ro	*	44	38	39	–	1	*	*	96
Kensington Palace	oo	odr	*	43	37	38	0·2	1	*	92 (18h)	92
Hampstead Observatory	*	*	*	40	40	40	1	0·5	0·0	*	99

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 1800 G.M.T. 15th

South Kensington Max.	Time.	Min.	Time.
0·6	19h(14)	<0·3	15h(15)
1·0	11h(15)		

Kew Observatory Max.	Time.	Min.	Time.
0·4	17h(14)	<0·3	5h (15th)
0·4	mn 12h(15)		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 15th 19h 0m. to 16th 5h 15m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10·15	–	0
δ Ursae Minoris	10·15	–	0

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (not less than 2 ins. deep).
4=Bare ground frozen (not more than 2 ins. deep).
6=Dew (or wet grass on not wet ground).
8=Starting to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer.
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 4 secs.	Stren.	Direc.
13h.	c	6	–	140
18h.		–	–	–
01h.		–		
07h.	–	–	–	–

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

16th & 17th March 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·8 6·5	12·2 12·2	5·56 5·58
Greenwich	6·14 6·12	12·9 12·9	6·4 6·6
Wick	6·29 6·25	12·21 12·21	6·14 6·18
Valencia	6·55 6·53	12·50 12·50	6·45 6·46

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet t thunder.
u unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r_0r_0 = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

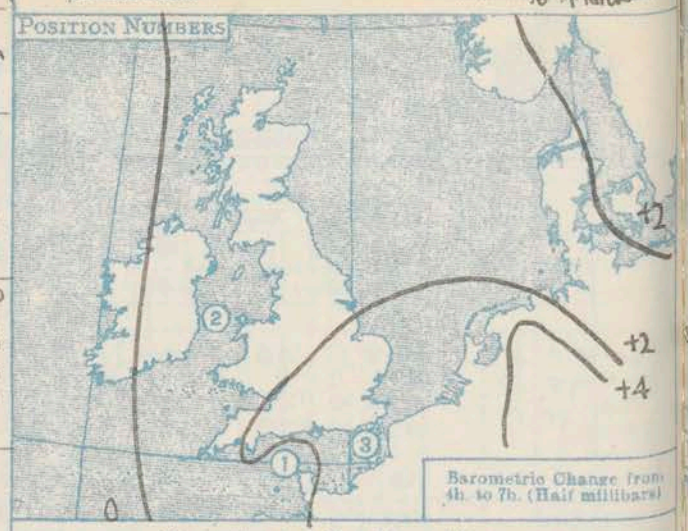
Beaufort No.	Statute miles per hour
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

¹ For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 15th	13h.-18h. 15th	18h. 15th to 1h. 16th	1h.-7h. 16th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 15th Hours.
Lerwick	fd	om	bc	c	42	36	•	0·1	Trace	12·30	22.00	0·0
Stornoway	bmbc	b-bc	b-bc	c	47	35	•	–	–	–	–	9·6
Wick	c	oo	oo	oo	43	38	•	–	–	–	–	•
Castlebay	bcy	bcz	bo	ocb	47	41	•	–	–	–	–	6·3
Nairn	bc	bcm	bcxm	bcm	47	33	•	–	–	–	–	6·9
Aberdeen	oo	omo	o	oo	42	38	36	–	–	–	–	0·1
Malin Head	3co	oo	o	bcoz	44	40	•	–	–	–	–	0·0
Renfrew	omo	ozm	om	om	44	39	38	–	–	–	–	0·1
Edinburgh (Inchkeith)	oo	oo	oo	oo	42	39	38	–	–	–	–	0·0
Leuchars	oo	oo	oo	oo	43	39	36	–	–	–	–	0·0
Eskdalemuir	oo	oo	o	o	41	36	36	–	–	–	–	0·0
Tynemouth	oo	oo	oo	m	41	40	39	–	–	–	–	•
Blacksod Point ...	oo	oo	oo	oo	46	38	•	–	–	–	–	•
Donaghadee	oq	cq	opbcq	oq	44	41	•	–	–	–	–	•
Birr Castle	coy	oo	coz	coz	42	40	39	–	–	–	–	0·0
Holyhead	oo	opr ir	oircb	bbc	43	39	37	1	0·1	17·30	<21·00	0·0
Liverpool (Bidston) ...	opm	p		m	42	36	35	0·4	–	13.30	–	0·0
Chester (Shotwick) ...	odo	odomff	ofin	omm	42	40	38	0·6	–	11·00	–	0·0
Spurn Head	c	p	oo	oo	40	39	•	1	Trace	<0800	0630	0·0
Nottingham	rro	oido	do	oo	39	38	37	1	Trace	<0800	<21·00	0·0
Cranwell	rr	odod	omdom?	omdo	39	38	37	1	0·1	0900	<21·00	0·0
Gorleston	oo	oqdo	oo	oq	40	40	37	1	–	<0800	–	0·0
Valencia (Cahirciveen)	ozby	byz	b	bcom	49	38	33	–	–	–	–	4·9
Roches Point	oq	o	o	o	44	42		–	–	–	–	
Pembroke (St. Ann's H.)	oo	oo	oo	oo	43	40	•	–	–	–	–	0·6
Ross-on-Wye	odo	omq	odomi	idom	39	38	37	0·2	0·4	0900	<21·00	0·0
Benson...	oro	or·d	roo	do	40	39	38	0·4	0·5	–	<21·00	•
Andover	oroo	ododo	ododm	om	40	38	37	0·1	0·1	<0800	<21·00	0·0
S. Farnborough ...	orom	orom	oroom	ororf	40	38	38	0·2	1·0	<0800	–	0·0
London (Kew Obsy.) ...	oromr	omror	oromi	odmom	41	40	39	1	0·3	<0800	<21·00	0·0
Croydon	omdo	odom	omdo	omdo	40	39	38	0·6	1	<0800	<21·00	0·0
Clacton-on-Sea ...	ogdog	og	og	ogm	41	40	39	0·5	–	<0800	–	0·0
Shoeburyness	oroqro	oido	ocdo	om	41	39	39	0·2	0·1	<0800	<21·00	0·0
Grain	oroqo	odom	omoo	oom	41	40	39	1	Trace	<0800	<21·00	0·0
Lympne	oido	oidom	odom	om	39	39	38	Trace	0·1	<0800	2200	00
Scilly (St. Mary's) ...	cbc	omro	oido	oo	48	41	•	Trace	0·1	17·30	<2100	1·5
Falmouth (Pendennis)	obco	omd	omdom	om	44	40	•	Trace	Trace	17·30	<2100	2·1
Plymouth (Cattewater)	oco	oo	or	or	43	40	39	–	Trace	–	2400	00
Portland Bill	od	odr	dro	oo	43	38	•	3	1	1100	<2100	•
Southampton (Calshot)	rom	mdodo	doom	oo	41	40	38	0·3	Trace	<0800	<2100	00
Dungeness	p	c	oo	oo	42	42	•	–	–	–	–	•
Jersey	ororo	owcro	ob	b	44	41	•	4	–	0900	–	0·0



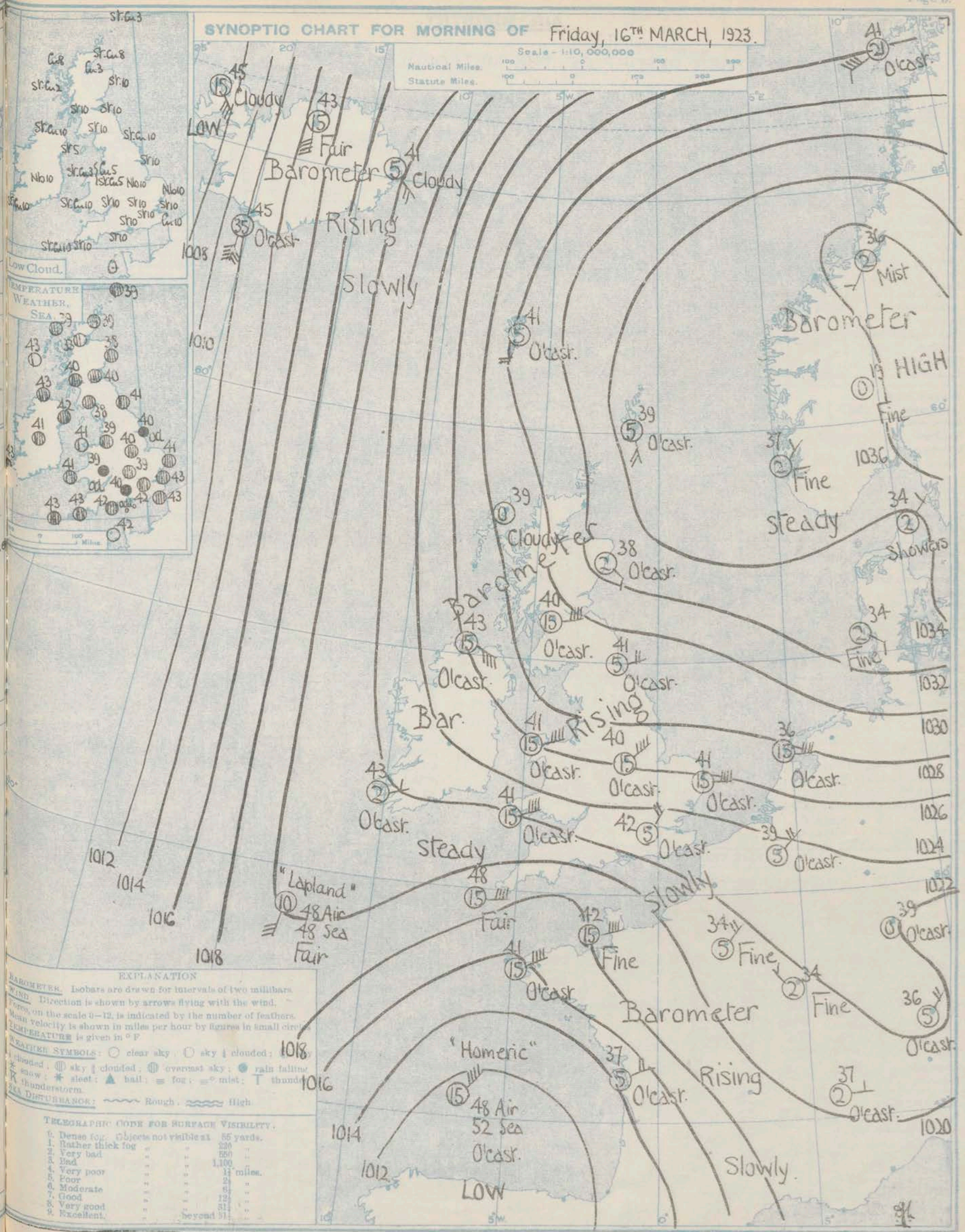
Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	15th. 10.00	"Hibernia"	ENE	5	c	43	46	8
1	15th. 13.00	"Reindeer"	NE	7	rr	44	48	5
3	16th. 0300	"Arundel"	E	2	bc+	39	48	7

GENERAL INFERENCE.

The large anticyclone centred over Scandinavia will maintain an Easterly wind current over the British Isles. Weather will continue rather cold with much cloud and occasional drizzle in the Southern half of the Kingdom.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Friday, 16th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Easterly wind, moderate, fresh locally on the coasts; cloudy, drizzle in places, brighter at times; visibility moderate; rather cold.	Rather cold with winds mainly from an Easterly point. --------
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light or moderate easterly wind; cloudy; visibility moderate; rather cold.	
14. N.& N.W. Scotland 15. Hebrides	Wind S.E. to S. moderate, freshening later; fine to cloudy; visibility mainly good; rather cold.	
16. Orkneys and Shetlands 17. N.W. Ireland	Wind S.E. to S., light or moderate; cloudy to fair; rather cold.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind E. to S.E. moderate. probably becoming southerly on Western Coasts later; cloudy, bright intervals; visibility moderate; rather cold.	



H.M.S.O. Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION....Friday, 16th March.....1923. No. 75...

Observations at 0100 G.M.T.....16th....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	10344	-1	S	1	b-	38	85	7	–	–	0	ACu	2	.
Stornoway	10303	0	–	0	b-	.	.	6	.	.	.	.	.	.
Wick	1031·5	-1	SSE	3	0	40	97	8	5700	StCu	4	ASt	10	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	10263	-1	E	5	bc-	43	85	8	5700	StCu	5	–	5	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	10300	-1	E	4	0	39	92	8	–	StCu	10	–	10	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	10293	0	ESE	3	0	40	97	6	4000	StCu	10	–	10	.
Blacksod Point ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	10243	+1	ENE	5	b	43	92	8	–	–	0	–	0	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	10267	+1	NE'E	5	0	40	92	6	1500	St	10	–	10	.
Nottingham	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	10256	+1	NE'E	3	0/r	39	92	6	800	St	10	–	10	.
Gorleston	10242	+1	E	4	0	42	92	6	4000	Nb	10	–	10	.
Valencia (Cahirciveen)	10228	-2	–	0	b	42	97	8	–	St	3	–	3	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	10219	0	ENE	4	0	41	85	8	2500	St	10	–	10	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Croydon	1022·1	+1	NE	2	odd	40	97	5	450	Nb	10	–	10	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	1021·8	0	E	3	0	41	92	6	800	St	10	–	10	.
Scilly (St. Mary's) ...	10194	0	E	4	0	42	92	7	4000	StCu	10	–	10	.
Falmouth (Pendennis)	10193	0	NE	5	ojb	41	85	6	2500	St	10	–	10	.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	1018·3	0	ENE	6	0/r	40	92	6	450	St	10	–	10	.
Southampton (Ca. shot)	10209	0	ENE	5	0	42	85	6	800	St	10	–	10	.
Dungeness	1021·5	+3	E	3	0	43	92	7	1500	St	10	–	10	.
Jersey 7h }	10174	+1	E	5	0/r	42	92	5	5700	StCu	10	–	10	.
Guernsey 1h }														

Observations at 0700 G.M.T.....16th.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	10343	+1	SSE	2	0+	39	85	7	5700	StCu	3	ASt	10	1
Stornoway	10284	0	–	0	c	39	92	6	4000	Cu	8	–	8	0
Wick	1031·7	0	SSE	3	0	39	97	8	5700	StCu	8	Ci	10	0
Castlebay	1027·2	0	E	2	b	43	85	8	4000	StCu	2	CiSt	3	2
Nairn	10305	.	W	1	bc+	33	85	7	4000	Cu	3	ACu	6	.
Aberdeen	10326	+1	ESE	1	0	38	92	7	1500	St	10	–	10	0
Malin Head	10260	0	ESE	4	0+	43	92	7	5700	StCu	10	–	10	3
Renfrew	10297	0	ENE	4	0	40	92	5	2500	St	10	–	10	.
Edinburgh (Inchkeith)	1029·8	-1	NE	4	0	40	97	7	–	St	10	–	10	4
Leuchars	10305	0	NE	3	0	40	92	7	800	St	10	–	10	.
Eskdalemuir	1029·1	+1	NNE	2	0	38	92	7	800	St	10	–	10	.
Tynemouth	10290	+1	ENE	2	0	41	92	7	4000	StCu	10	–	10	
Blacksod Point ...	1023·8	-1	E	4	0	43	85	6	–	–	0	AST	10	4
Donaghadee	10247	+1	ESE	5	0	42	85	7	2500	St	5	ASt	10	4
Birr Castle	10238	.	NE	1	0	41	97	6	800	Nb	10	–	10	.
Holyhead	1025·1	+1	ENE	4	b	41	85	7	4000	StCu	3	–	3	4
Liverpool (Bidston) ...	10259	+1	ENE	4	0	39	92	4	2500	StCu	10	–	10	4
Chester (Shotwick) ...	1025·8	0	ENE	3	0	40	85	6	1500	StCu	10	–	10	.
Spurn Head	1027·7	+1	E'N	4	od	40	97	5	450	St	10	–	10	5
Nottingham	10258	+1	NE	4	0	40	92	7	2500	Nb	10	–	10	.
Cranwell	1026·5	+2	ENE	3	0	39	97	5	800	St	10	–	10	.
Gorleston	1025·3	+1	E	4	0	41	92	6	4000	Nb	10	–	10	2
Valencia (Cahirciveen)	1021·3	-1	E	1	mo	43	85	6	1500	StCu	10	–	10	0
Roches Point	1022·4	0	E	4	0	43	92	7	4000	St	10	–	10	6
Pembroke (St. Ann's H.)	1021·9	+1	ENE	4	0	41	85	8	4000	StCu	10	–	10	2
Ross-on-Wye	10238	+2	E'N	3	od	39	97	6	1500	St	10	–	10	.
Benson...	10232	+2	ENE	3	0/r	39	97	5	–	St	10	–	10	.
Andover	10230	+2	NE'E	3	0	40	97	5	800	St	10	–	10	.
S. Farnborough ...	10228	+2	NE	2	odd	40	97	3	450	St	10	–	10	.
London (Kew Obsy.) ...	10236	+2	NE	2	0	42	92	4	800	St	10	–	10	.
Croydon	1023·3	+2	NE	2	0/r	41	97	4	450	St	10	–	10	.
Clacton-on-Sea ...	10237	+2	ENE	3	0	43	92	6	4000	St	10	–	10	1
Shoeburyness	10241	+2	ENE	3	mmo	43	85	5	2500	StCu	8	ASt	10	.
Grain	10239	+3	E'N	4	0	43	92	5	2500	St	10	–	10	0
Lympne	10229	+2	E'N	3	0	41	97	4	2500	StCu	10	–	10	.
Scilly (St. Mary's) ...	10181	0	E	4	0	43	85	7	4000	StCu	10	–	10	3
Falmouth (Pendennis)	10179	-2	ENE	6	0	43	92	6	2500	St	10	–	10	1
Plymouth (Cattewater)	10195	+2	ENE	4	0	43	92	6	800	St	10	–	10	0
Portland Bill	10183	0	ENE	6	0	42	85	6	450	St	10	–	10	5
Southampton (Ca. shot)	1022·2	+3	ENE	4	0	41	85	6	2500	StCu	10	–	10	0
Dungeness	1022·6	+1	ESE	4	0	43	85	6	1500	Cu	10	–	10	4
Jersey 7h }	10186	+1	E	4	b	42	75	7	–	–	0	–	0	3
Guernsey 1h }														

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 14th-15th	Temperature. Max. Day. 15th	Rainfall.† Night 17h.-9h. 14th-15th	Rainfall.† Day 9h.-17h. 15th	Sunshine. Sunrise to 17h. 15th	Sunshine. Sunrise to Sunset. 14th
			°F.	°F.	mm.	mm.	hr.	hr.
Montrose			37	43	–	–	0·0	7·7
Llandudno	mo	mo	39	43	–	–	0·0	0·1
Colwyn Bay ...	c	co	38	42	–	–	0·0	0·4
Rhyl	opo	o	37	43	–	–	0·0	0·0
Southport	o	oro	37	43	–	1	0·0	0·0
Blackpool	oc	or	37	45	–	2	0·1	0·0
Ilkley	odo	god	35	42	0·1	–	0·0	0·0
Harrogate	o	o	34	40	–	0·2	0·0	0·0
Skegness	o	o	36	40	0·4	–	0·0	0·0
Aberystwyth ...	o	o	38	47	–	–	0·0	2·0
Bath	og	od	38	41	–	Trace	0·0	0·0
Leamington Spa ...	o	od	36	40	–	–	0·0	0·0
Lowestoft	o	o	38	40	–	–	0·0	0·0
Felixstowe	om	om	38	41	1	–	0·0	0·2
Southend	odo	odo	37	40	2	0·1	0·0	0·0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 14th-15th	Temperature. Max. Day. 15th	Rainfall.† Night 17h.-9h. 14th-15th	Rainfall.† Day 9h.-17h. 15th	Sunshine. Sunrise to 17h. 15th	Sunshine. Sunrise to Sunset. 14th
			°F.	°F.	mm.	mm.	hr.	hr.
Ilfracombe	o	o	39	42	–	–	0·0	0·0
Bude	o	o	39	42	–	–	0·0	1·0
Penzance	bc	co	39	48	–	–	3·0	2·1
Paignton	orq	odrqdrq	39	41	Trace	0·4	0·0	1·9
Torquay	d	d	39	42	0·3	1	0·0	1·7
Weymouth	rd	doc	37	40	2	2	0·0	0·1
Bournemouth ...	o	o	36	40	2	0·3	0·0	0·1
Portsmouth (S'thsea)	rodo	ido	38	42	1	Trace	0·0	0·0
Worthing	o	o	38	41	1	–	0·0	0·0
Brighton	o	o	39		1	–	0·0	0·0
Eastbourne	o	o	39	42	3	0·1	0·0	0·0
Hastings	rso	oo	39	40	2	Trace	0·0	0·0
Folkestone	o	o	39	45	–	–	0·0	0·0
Tunbridge Wells ...	o	od.m	37	40	1	0·6	0·0	0·0
Ramsgate	o	o	37	41	1	–	0·0	0·0
Margate	o	o	39	44	–	–	1·0	0·0
Deal	or	oo	40	41	0·4	–	0·0	0·0

* Information for these stations not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22.395 Saturday, 17th March, 1923.

Observations at 1300 G.M.T. 16th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1035.4	0	S	2	c-	47	85	7	5700	StCu	4	ACu	8	•
Stornoway	1028.9	0	-	0	0+	47	85	6	1500	St	10	•	10	•
Wick	1031.9	+1	SSE	2	c	40	97	8	1500	St	6	CiCu	8	•
Castlebay	1028.2	+1	SE	3	b	49	75	8	4000	StCu	1	-	1	•
Nairn	*	*	*	*	*	*	*							•
Aberdeen	1033.3	+1	E'S	2	bc-	50	75	7	1500	St	6	-	6	1

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Malin Head	1026.9	+1	ESE	4	c	46	85	7	5700	StCu	8	-	8	•
Renfrew	1030.1	0	NE	4	0	44	85	6	2500	St	9	-	9	0
Edinburgh (Inchkeith)	1031.7	+3	E	4	0	41	85	7	*	St	10	-	10	•
Leuchars	1031.4	+1	ENE	3	0	43	85	7	1500	St	10	-	10	0
Eskdalemuir	1029.7	0	N'E	4	c-	45	85	7	1500	St	8	-	8	0
Tynemouth	1030.7	+1	E	2	0	41	92	6	4000	St	10	-	10	•
Blacksod Point ...	1024.4	0	SE'E	5	0	44	85	7	—	—	0	ASt	10	•
Donaghadee	1027.9	+1	E'S	3	bc-	45	85	8	1500	Cu	4	ASt	6	•
Birr Castle	1024.6	*	SE	2	0-	44	85	6	2500	StCu	9	-	9	•
Holyhead	1026.3	+1	E'N	5	0	44	85	6	2500	St	10	-	10	0
Liverpool (Bidston) ...	1026.7	-1	ENE	4	0	43	75	3	1500	CuNb	10	-	10	•
Chester (Shotwick) ...	1026.8	0	ENE	4	0	44	75	6	2500	St	10	-	10	5
Spurn Head	1028.4	+1	E'N	4	0	41	92	5	450	St	10	-	10	•
Nottingham	1027.1	0	ENE	4	0	42	85	7	1500	Nb	10	-	10	•
Cranwell	1027.4	0	ENE	3	0	41	92	6	450	St	10	-	10	2
Gorleston	1026.8	+1	E	4	0	41	92	6	2500	St	10	-	10	•
Valencia (Cahirciveen)	1021.9	0	ESE	3	c-	47	75	7	2500	StCu	8	-	8	0
Roches Point	1022.9	+1	E	4	0	47	85	7	2500	StCu	10	-	10	•
Pembroke (St. Ann's H.)	1023.1	0	ENE	4	bc	45	75	8	4000	Cu	6	-	6	•
Ross-on-Wye	1024.4	0	ENE	3	mmo	42	92	5	800	St	10	-	10	1
Benson...	1023.9	0	ENE	4	0	45	85	5	-	St	10	-	10	2
Andover	1023.3	+1	NE'E	4	0-	46	85	6	2500	StCu	10	-	10	1
S. Farnborough ...	1023.7	0	ENE	2	0/+	47	75	6	800	St	10	-	10	1
London (Kew Obsy.) ...	1024.4	0	ENE	4	0	45	75	4	1500	St	10	-	10	2
Croydon	1024.2	0	NE'E	4	0	46	85	5	1500	St	10	-	10	2
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1025.3	+1	E'N	4	mo-	43	85	6	2500	StCu	8	ASt	10	•
Grain	1025.2	+1	ENE	4	0	43	92	6	800	St	10	-	10	2
Lympne	1023.8	-1	NE	4	0	47	85	6	1500	StCu	10	-	10	2
Scilly (St. Mary's) ...	1018.8	0	ESE	6	bc	49	65	7	4000	Cu	3	-	5	•
Falmouth (Pendennis)	1019.5	+1	ESE	6	bc-	47	75	6	4000	Cu	6	-	6	•
Plymouth (Cattewater)	1020.5	+1	E	4	0-	47	85	7	2500	StCu	9	-	9	0
Portland Bill	1020.6	+2	ENE	6	0-	47	85	6	2500	St	10	-	10	•
Southampton (Calshot)	1022.6	-1	ESE	6	b	48	75	6	2500	StCu	3	-	3	0
Dungeness	1023.1	0	E	5	b	48	75	6	-	-	0	-	0	•
Jersey	1018.9	0	E	4	b	50	65	7	4000	StCu	2	-	2	•

Observations at 1800 G.M.T. 16th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1034.5	-1	S	2	b-	42	85	7	-	-	0	ACu	3	1
Stornoway	1028.7	0	-	0	b	46	92	6	1500	Cu	1	CiCu	3	0
Wick	1031.6	+2	SSE	2	b-	42	97	8	-	-	0	CiCu	2	0
Castlebay	1027.8	0	-	0	b	48	75	8	-	-	0	-	0	1
Nairn	1029.6	*	-	0	b-	42	85	7	-	-	0	-	0	•
Aberdeen	1033.2	+1	SE	2	c+	43	85	6	1500	St	8	-	8	0
Malin Head	1026.4	-0	ESE	2	c-	46	85	7	5700	StCu	5	ACu	7	3
Renfrew	1030.1	+1	NE	4	0	42	85	5	2500	St	10	-	10	•
Edinburgh (Inchkeith)	1031.5	-1	E	3	0	41	92	7	-	StCu	10	-	10	2
Leuchars	1031.8	+1	E	3	0	41	85	7	1500	StCu	10	-	10	•
Eskdalemuir	1030.3	0	N	3	0	39	85	6	1500	St	9	-	9	•
Tynemouth	1030.8	0	E	3	0	41	92	7	4000	StCu	10	-	10	2
Blacksod Point ...	1024.6	0	SE'E	3	0	45	75	7	—	—	0	AST	10	0
Donaghadee	1026.9	-1	ESE	4	c-	44	85	7	-	-	0	ACu	8	3
Birr Castle	1023.9	*	E	2	0-	44	85	6	1500	StCu	10	-	10	•
Holyhead	1025.1	-1	ENE	5	0	44	92	5	2500	StCu	10	-	10	4
Liverpool (Bidston) ...	1026.0	-0	ENE	4	0	42	85	4	1500	CuNb	10	-	10	5
Chester (Shotwick) ...	1026.2	+0	ENE	2	fo+	43	85	3	1500	St	10	-	10	•
Spurn Head	1028.0	-0	ENE	5	0	40	92	6	800	St	10	-	10	4
Nottingham	1026.6	-1	E	4	0	40	85	7	2500	Nb	10	-	10	4
Cranwell	1027.2	-1	ENE	3	0	39	92	6	1500	St	10	-	10	•
Gorleston	1026.7	0	E	4	bc-	41	92	6	2500	St	4	-	4	1
Valencia (Cahirciveen)	1021.6	+0	ESE	3	c-	47	75	7	2500	StCu	7	-	7	1
Roches Point	1024.4	+1	E	4	0	46	92	6	4000	StCu	9	-	9	3
Pembroke (St. Ann's H.)	1023.5	+0	ENE	5	0	45	75	7	2500	St	10	-	10	3
Ross-on-Wye	1024.0	+0	E'N	3	mmo	42	85	6	800	St	10	-	10	•
Benson...	1023.7	0	ENE	4	0	42	92	6	-	St	10	-	10	•
Andover	1023.0	+0	NE	5	0	42	92	5	1500	St	10	-	10	•
S. Farnborough ...	1023.7	+1	ENE	3	mmo	42	92	4	800	St	10	-	10	•
London (Kew Obsy.) ...	1024.2	0	ENE	4	0	43	85	4	1500	St	10	-	10	•
Croydon	1023.9	+1	NE'E	3	0	41	92	5	450	St	10	-	10	•
Clacton-on-Sea ...	1024.6	0	ENE	4	0	43	92	6	2500	St	10	-	10	0
Shoeburyness	1024.3	-1	NE	4	mmo	42	85	6	2500	St	10	-	10	•
Grain	1024.6	+1	ENE	5	0	42	85	6	1500	St	10	-	10	3
Lympne	1023.7	+0	NE	4	0	42	97	5	450	St	10	-	10	•
Scilly (St. Mary's) ...	1016.6	0	ESE	5	0	46	75	7	4000	StCu	9	-	9	5
Falmouth (Pendennis)	1019.0	-2	ESE	6	bc	47	65	6	4000	Cu	6	-	6	1
Plymouth (Cattewater)	1019.7	+0	E	4	b-	47	85	6	-	-	0	ACu	2	0
Portland Bill	1020.0	-2	ENE	6	b-	47	85	7	-	-	0	CiCu	2	6
Southampton (Calshot)	1022.3	+1	ENE	5	bc	45	85	6	-	-	0	ASt	5	3
Dungeness	1022.1	0	E	6	0	44	92	6	1500	StCu	10	-	10	6
Jersey	1017.4	0	E	4	bc+	49	85	7	4000	StCu	4	ACu	5	3

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 hours ended 0900 G.M.T. 17th								Yesterday.	To-day.	
Kew ... } 24 hours ended 0700	om	om	omo	*	*	41	Tr	-	0.0	*	*
Croydon } 24 hours ended 0700	omm	om	om	*	*	41	-	-	0.0	*	*
Greenwich (Royal Obsy.) ...	0	0	obo	46	39	34	-	-	0.0	88	90
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	46	40	35	-	-	0.0	84	92
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square...	0	0	*	45	38	35	-	-	*	*	92
Kensington Palace	0	0	*	45	37	33	-	-	*	88 (18h.)	90
Hampstead Observatory ...	*	*	*	43	38	31	Tr	-	0.0	*	98

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 16th.

South Kensington

Max.	Time.	Min.	Time.
0.6	15h. 19h.	0.3	16h. 3h.
1.0	16h. 9h.		

Kew Observatory

Max.	Time.	Min.	Time.
0.5	15h. 7th.	0.3	16h. 3h.
0.6	16h. 9h.		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 16th ... 19 h. 00 m. to 17th ... 5 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	10.15	02.40	26
δ Ursae Minoris	10.15	02.33	25

CODE FOR STATE OF GROUND.

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Snowing to-day in 1200 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer.
9 = Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Strength.	Direc.
13h.	C	6	-	125
18h.	C	5	-	120
01h.	C	6	-	125
07h.	C	6	-	140

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

17th - 18th March, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	6.5	12.2	5.58
	6.2	12.1	6.00
Greenwich ...	6.12	12.9	6.6
	6.9	12.8	6.7
Wick	6.26	12.21	6.16
	6.23	12.20	6.18
Valencia ...	6.53	12.50	6.46
	6.50	12.49	6.48

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet t thunder.
z unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail".

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—

R = heavy rain.
rr = continuous moderate rain.
r₀r₀ = continuous light rain.

SEA DISTURBANCE.

0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

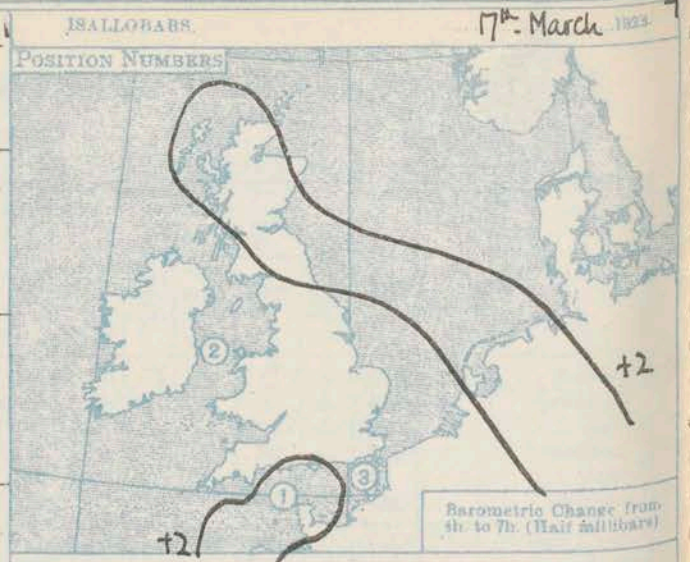
The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 16th.	13h.-18h. 16th.	18h. 16th to 1h. 17th.	1h.-7h. 17th.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 16th Hours.
Lerwick	Om	bc	bc	bc	45	40	•	-	-	-	-	4·3
Stornoway	C	b·bc	b-bc	b	49	31	•	-	-	-	-	0·0
Wick	00	b·bc	b-bc	b-bc	43	41	•	-	-	-	-	•
Castlebay	bz	bzb	b	b	49	43	•	-	-	-	-	9·4
Nairn	bcb	bm	bxm	bxm	47	27	•	-	-	-	-	5·5
Aberdeen	C	bbcc	bcbm	bmom	50	33	26	-	-	-	-	3·2
Malin Head	C	coz	coz	o	46	39	•	-	-	-	-	0·4
Renfrew	omo	omm	omb	bcom	44	38	34	-	-	-	-	0·0
Edinburgh (Inchkeith)	oo	oo	c	oo	42	39	36	-	-	-	-	0·0
Leuchars	00	oo	oo	oo	43	38	32	-	-	-	-	0·1
Eskdalemuir	oomoc	bcco	ob	bbcc	46	33	29	-	-	-	-	4·5
Tynemouth	oam	oo	obcm	bcm	41	40	35	-	-	-	-	•
Blacksod Point ...	oo	oo	oo	oo	45	39	•	-	-	-	-	•
Donaghadee	c	cmq	cmq	cq	47	42	•	-	-	-	-	•
Birr Castle	coz	coz	coz	coz	44	40	38	-	-	-	-	0·0
Holyhead	bcom	oom	oom	oom	45	39	37	-	-	-	-	1·5
Liverpool (Bidston) ...	oo	f-m		om	42	39	36	-	-	-	-	0·7
Chester (Shotwick) ...	am	omom	ofm	om	48	39	33	-	-	•	-	0·5
Spurn Head	oid.	oo	bw	bwbc	40	39	•	Trace	Trace	11.00	<2100	0·0
Nottingham	ood.	oo	o	oo	43	39	38	0·1	-	0900	-	0·0
Cranwell	rmo	r·d	om	oo	42	36	33	Trace	Trace	0900	3.30	0·0
Gorleston	oo	ocbc	bw	bbccw	42	40	37	-	-	-	-	0·0
Valencia (Cahirciveen)	ozc	bcozc	b	obcbm	50	38	35	-	-	-	-	1·7
Roches Point	o	ocm	o	oeo	49	42	-	-	-	-		
Pembroke (St. Ann's H.)	c	co	oo	oo	49	39	•	-	-	-	-	1·9
Ross-on-Wye	d.d.m	om	gom	om	44	39	39	0·2	-	<0800	-	0·0
Benson...	om	oo	o	o	47	39	36	Trace	Trace	-	-	•
Andover	omom	om	om	om	47	40	38	-	-	-	-	1·3
S. Farnborough ...	od.fmo	oomm	om	om	48	40	39	-	-	-	-	0·4
London (Kew Obsy.) ...	om	om	om	omo	46	41	37	Trace	-	-	-	0·0
Croydon	omm	om	om	om	45	41	40	-	-	-	-	0·0
Clacton-on-Sea ...	ogm	ogm	ogm	ogm	45	40	34	-	-	-	-	00
Shoeburyness	om	om	omem	bcm	45	35	29	-	-	-	-	0·0
Grain	omom	omm	oam	om	44	41	38	-	-	-	-	0·0
Lympne	omm	omm	ocb	bwmf	48	39	35	-	Trace	-	-	1·8
Scilly (St. Mary's) ...	obcq	bccq	oqp	comq	49	42	•	-	0·4	-	<2100	4·7
Falmouth (Pendennis)	ocbcz	bcz	bccom	omq	47	44	•	0·2	-	<0800	-	5·0
Plymouth (Cattewater)	oro	ob	b	bom	49	43	40	Trace	-	<0800	-	4·4
Portland Bill	oq	oqcbc	bcco	o	48	40	•	-	-	-	-	•
Southampton (Calshot)	omm	c	bcbm	bmomn	49	41	38	-	-	-	-	6·4
Dungeness	c	c	oo	o	44	43	•	-	-	-	-	•
Jersey	b	bbc	bco	oco	51	43	•	-	-	-	-	8·0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	16th.1000	"Hibernia"	ENE	3	0	46	44	7
3	17th.0300	"Dieppe"	E	1	bc	46	47	6

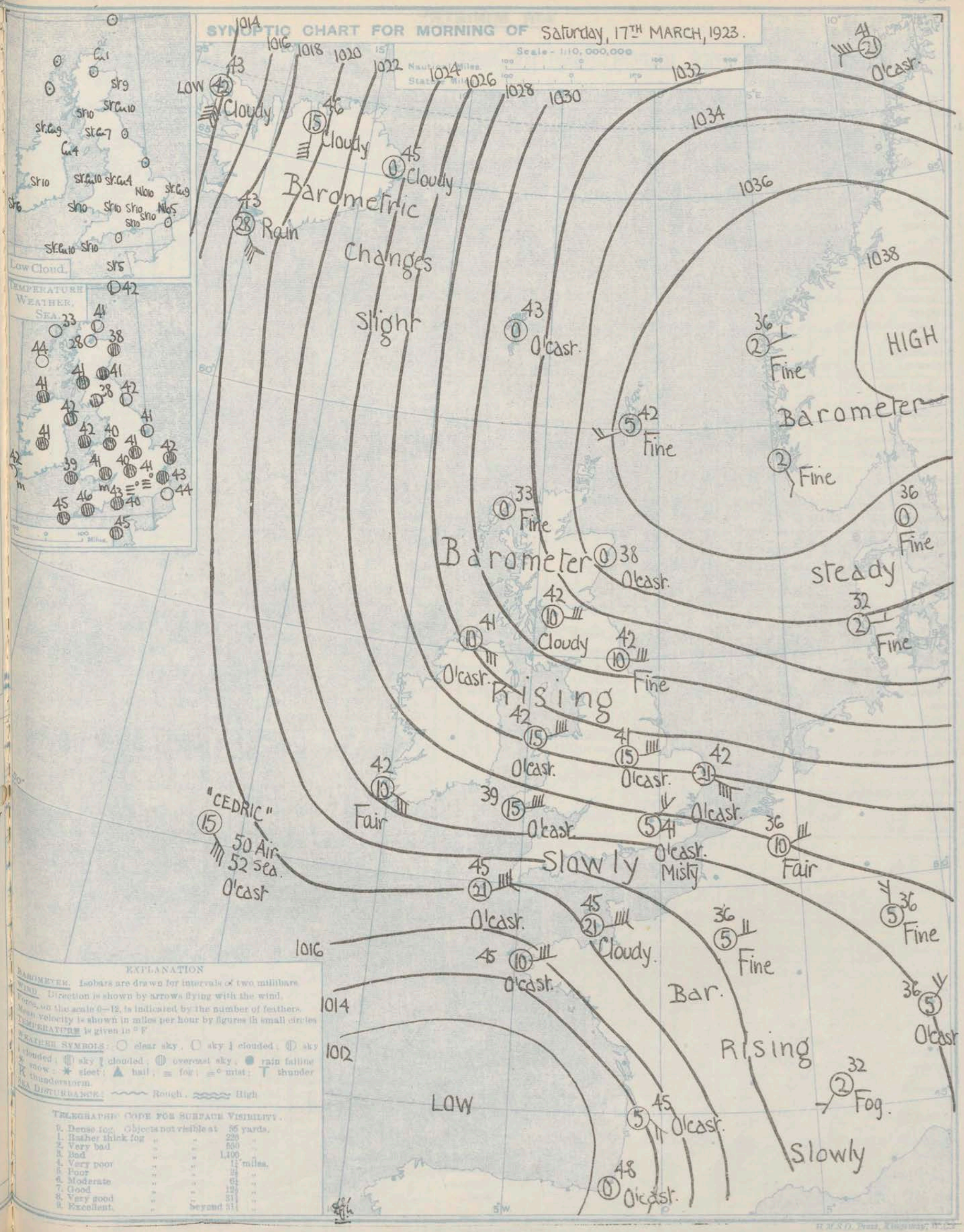
GENERAL INFERENCE.

The anticyclone centred over southern Scandinavia will maintain easterly winds with a rather low temperature over the British Isles. Weather will be dry and considerable bright periods will occur in most districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 17th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Moderate easterly winds, fresh in places; much cloud at times, brighter intervals; visibility good apart from morning mist inland; rather cold.	Similar conditions likely to persist for a day or two.
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind light S.E. or S.; mainly fair; visibility good; rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind E. to S.E. light or moderate: cloudy to fair; mist in places; rather cold.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0858 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M.S.O. Press, Kingsway, W.C.2.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...Saturday, 17th March.....1923. No. 76

Observations at 0100 G.M.T. 17th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1035.2	+1	SW	2	o	42	92	7	–	–	0	CaSt	10	•
Stornoway	1030.3	0	–	0	b	•	•	6	•	•	•	•	•	•
Wick	1032.7	+1	S	3	b	41	97	8	–	–	0	–	0	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1027.5	0	ESE	1	C	+3	92	7	5700	StCu	8	–	8	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1032.4	+1	ENE	4	o+	40	97	8	–	StCu	10	–	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1031.0	0	E	2	b	42	97	6	–	–	0	ASt	3	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1026.3	+1	E'N	5	o	41	92	6	2500	StCu	10	–	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1028.3	0	NE'E	4	b	41	97	6	–	–	0	–	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1027.4	0	NE	2	o	39	97	5	800	St	10	–	10	•
Gorleston	1026.0	0	ESE	4	b	42	92	7	–	–	0	–	0	•
Valencia (Cahirciveen)	1022.8	0	–	0	b	44	92	7	–	–	0	–	0	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1023.3	0	E	4	o	42	85	7	2500	St	10	–	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...		•	•	•	•	42	•	•	•	•	•	•	•	•
Croydon	1023.9	–1	NE'N	3	o	41	92	5	450	St	10	–	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1022.9	0	ENE	4	b	44	92	6	–	–	0	–	0	•
Scilly (St. Mary's) ...	1018.6	+0	ESE	6	cp.	46	85	7	4000	StCu	8	–	8	•
Falmouth (Pendennis)	1019.5	0	SE	7	o+	44	75	6	4000	St	10	–	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1020.7	0	ENE	6	o+	44	92	6	2500	St	10	–	10	•
Southampton (Ca.shot)	1022.8	0	NE'N	4	b	42	85	6	–	–	0	–	0	•
Dungeness	1022.5	0	E	4	bc	46	92	6	–	–	0	ASt	6	•
Jersey 7h }	1019.8	–1	NE	6	bc-	46	92	7	7200	StCu	4	–	4	•
Guernsey 1h }														

Observations at 0700 G.M.T. 17th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1037.4	+1	SW	2	b	42	92	7	–	–	0	Ci	1	1
Stornoway	1031.2	+2	–	0	b	33	97	7	–	–	0	–	0	0
Wick	1033.9	+2	S	2	b	41	97	8	5700	Cu	1	–	1	0
Castlebay	1029.9	+2	E	3	b	44	75	8	–	–	0	–	0	3
Nairn	1033.2	•	–	0	b	28	75	7	–	–	0	–	0	•
Aberdeen	1034.6	+1	–	0	o	38	97	4	1500	St	9	–	9	0
Malin Head	1027.9	0	ESE	3	o	41	92	8	5700	StCu	9	–	9	3
Renfrew	1031.7	0	E	3	o-	41	85	6	800	St	10	–	10	•
Edinburgh (Inchkeith)	1032.4	+2	ENE	3	o	41	92	8	–	StCu	10	–	10	2
Leuchars	1032.7	0	NE	3	o	41	97	7	800	St	10	–	10	•
Eskdalemuir	1031.0	+1	NE	5	c	38	85	7	1500	StCu	7	–	7	•
Tynemouth	1031.0	0	E	3	b	42	92	6	–	–	0	ACu	3	2
Blacksod Point ...	1026.6	+2	SE	4	o	43	75	7	–	–	0	ASt	10	43
Donaghadee	1028.6	+1	ENE	5	c-	42	85	8	800	Cu	4	ASt	7	4
Birr Castle	1024.6	•	E	1	o	41	92	5	450	St	10	–	10	•
Holyhead	1026.5	+2	ENE	4	o	42	92	6	2500	StCu	10	–	10	4
Liverpool (Bidston) ...	1026.7	0	ENE	3	o	40	92	5	2500	Cu	9	–	9	4
Chester (Shotwick) ...	1026.9	0	NE	3	o	41	92	5	1500	St	10	–	10	•
Spurn Head	1028.4	0	NE'E	5	b	41	97	7	–	–	0	Ci	3	4
Nottingham	1026.8	0	ENE	4	o	41	92	7	1500	Nb	10	–	10	•
Cranwell	1027.4	0	ENE	3	o	39	97	6	800	St	10	–	10	•
Gorleston	1026.0	0	ESE	5	o+	42	92	6	5700	StCu	9	–	9	1
Valencia (Cahirciveen)	1022.9	+2	E'S	3	mbc-	42	75	6	2500	St	6	–	6	0
Roches Point	1023.8	0	E	3	o	42	92	7	2500	St	10	–	10	3
Pembroke (St. Ann's H.)	1023.0	0	E	4	o	39	92	7	1500	St	10	–	10	2
Ross-on-Wye	1024.2	0	E'N	3	mmo	41	92	5	800	St	10	–	10	•
Benson...	1024.0	+2	ENE	3	o	40	92	5	–	St	10	–	10	•
Andover	1022.8	+1	NE	4	o-	41	92	6	800	St	10	–	10	•
S. Farnborough ...	1023.3	0	E'N	3	mo	40	97	5	800	St	10	–	10	•
London (Kew Obsy.) ...	1023.9	+1	NE	2	mmo	41	92	5	1500	St	10	–	10	•
Croydon	1023.6	0	NE'E	3	o	41	97	4	225	St	10	–	10	•
Clacton-on-Sea ...	1024.2	0	ENE	4	o	43	92	6	1500	Nb	5	ASt	10	0
Shoeburyness	1024.2	+1	NE	1	mb-	41	85	5	4000	StCu	3	ASt	5	•
Grain	1024.2	0	ENE	4	c-	43	92	5	4000	St	8	–	8	0
Lympne	1022.9	+1	NE	4	mmb	40	97	4	–	–	0	–	0	•
Scilly (St. Mary's) ...	1017.6	+1	E'N	5	o	45	85	6	4000	StCu	10	–	10	5
Falmouth (Pendennis)	1019.1	+4	E	6	o	46	85	6	4000	St	10	–	10	2
Plymouth (Cattewater)	1020.2	+1	ENE	5	o	43	97	5	–	–	0	CaSt	10	0
Portland Bill	1020.3	+2	ENE	5	o	43	92	6	2500	St	10	–	10	5
Southampton (Ca.shot)	1021.2	–1	NE'N	4	o	44	85	5	2500	StCu	10	–	10	0
Dungeness	1021.7	–1	E	4	b	44	97	7	–	–	0	–	0	4
Jersey 7h }	1019.9	0	ENE	5	c	45	85	6	1500	St	5	CuCu	8	4
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 16th March 1923

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 15th-16th °F.	Temperature. Max. Day. 16th °F.	Rainfall.† Night 17h.-9h. 15th-16th mm.	Rainfall.† Day 9h.-17h. 16th mm.	Sunshine. Sunrise to 17h. 16th hr.	Sunshine. Sunrise to Sunset. 15th hr.
Montrose	-	-	38	45	-	-	1.3	0.0
Llandudno	mo	mo	40	43	-	-	0.1	0.0
Colwyn Bay ...	c	c	39	44	-	-	0.0	0.0
Rhyl...	oc	c	38	46	-	-	0.0	0.2
Southport	o	oco	40	44	-	-	0.0	0.0
Blackpool	o	o	40	43	-	-	0.0	0.1
Ilkley	omo	ogmo	37	41	-	-	0.0	0.0
Harrogate	fd	o	37	40	0.4	-	0.0	0.0
Skegness	do	o	39	41	0.2	-	0.0	0.0
Aberystwyth ...	oco	o	41	47	-	-	0.4	0.0
Bath	oc	o	38	47	1	-	0.1	0.0
Leamington Spa ...	o	o	39	45	1	-	0.0	0.0
Lowestoft	o	o	39	41	-	-	0.0	0.0
Felixstowe	o	o	40	43	-	-	0.0	0.0
Southend	o	o	39	44	-	-	0.0	0.0
Ilfracombe	oco	o	41	46	-	-	2.0	0.0
Bude	oc	cbcc	40	49	-	-	1.7	0.0
Penzance	opo	bcbbc	41	49	0.2	-	5.8	3.0
Paignton	ogc	bccqbq	41	48	0.3	-	2.2	0.0
Torquay	c	b	41	49	0.3	-	2.8	0.0
Weymouth	oc	bcb	39	51	0.2	-	4.7	0.0
Bournemouth ...	b	b	39	50	-	-	8.0	0.0
Portsmouth (S'thsea)	b	bo	39	52	-	-	6.7	0.0
Worthing	bc	bco	38	52	-	-	5.7	0.0
Brighton	bbcc	ocbc	39	52	-	-	6.0	0.0
Eastbourne	b	bbcco	41	48	-	-	7.4	0.0
Hastings	b	bbcco	40	50	Trace	-	6.7	0.0
Folkestone	o	o	39	47	-	-	0.2	0.0
Tunbridge Wells ...	coc	oco	38	49	0.3	-	1.5	0.0
Ramsgate	o	om	38	44	-	-	0.0	0.0
Margate	o	o	40	44	-	-	0.0	0.0
Deal	o	o	40	44	-	-	0.0	0.0

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22396 SUNDAY, 18TH MARCH 1923.

Observations at 1300 G.M.T. 17th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1037.1	+1	SSW	1	b	47	85	7	4000	Cu	1	-	1	•
Stornoway	1032.2	+1	SE	1	b	51	75	7	-	-	0	-	0	•
Wick	1035.1	+1	S	3	o	43	92	8	1500	St	9	-	9	•
Castlebay	1031.9	+2	ESE	3	b	51	85	8	-	-	0	-	0	•
Nairn	•	•	•	•	•	•	•							•
Aberdeen	1035.8	0	SE'E	2	bc-	46	85	6	1500	St	5	-	5	0
Malin Head	1029.4	+1	ESE	1	bc	45	92	7	5700	StCu	3	A.Cu	4	•
Renfrew	1032.5	+1	NE	4	bc-	48	75	5	4000	StCu	4	-	4	0
Edinburgh (Inchkeith)	1033.8	+1	E	3	c	45	85	8	-	Cu	2	Ci.St	7	•
Leuchars	1034.3	+2	ENE	3	c	45	92	7	800	St	7	-	7	0
Eskdalemuir	1032.1	+1	NE	4	o	47	65	8	4000	StCu	5	Ci.St	9	0
Tynemouth	1032.9	+2	ESE	2	b	45	75	7	-	-	0	-	0	•
Blacksod Point	1026.4	+2	SE	3	o	46	75	7	-	-	0	A St	10	•
Donaghadee	1025.5	+1	ESE	4	b-	47	85	8	-	-	0	-	0	•
Birr Castle	1026.0	*	E	1	o	48	85	6	2500	StCu	9	-	9	•
Holyhead	1027.0	0	ENE	5	b-	47	85	6	-	-	0	-	0	0
Liverpool (Bidston)	1027.1	-1	E'N	4	b-	50	65	4	4000	StCu	3	-	3	•
Chester (Shotwick)	1027.6	0	E	4	b-	51	65	5	2500	St.Cu	3	-	3	0
Spurn Head	1029.9	+1	ENE	5	b	46	85	7	-	-	0	Ci	2	•
Nottingham	1027.4	0	ENE	5	b-	49	75	8	2500	Cu	2	Ci	3	•
Cranwell	1028.2	+1	ENE	4	b-	48	75	7	4000	StCu	2	-	2	1
Gorleston	1027.1	0	E	5	b-	44	85	6	-	-	0	Ci.St	1	•
Valencia (Cahirciveen)	1023.9	0	E'N	3	c	48	75	6	2500	St.Cu	7	-	7	0
Roches Point	1024.4	0	E	4	c	49	75	6	4000	St.Cu	7	-	7	•
Pembroke (St. Ann's H.)	1023.1	0	ENE	4	b-	49	75	7	2500	St	2	-	2	•
Ross-on-Wye	1025.4	0	ENE	4	o	43	75	6	1500	St	10	-	10	0
Benson	1024.9	-2	ENE	5	c	48	75	6	-	-	0	Cu	7	2
Andover	1023.1	0	NE'N	5	o	46	85	5	800	St	10	-	10	0
S. Farnborough	1023.9	0	E'N	4	o-	47	75	5	2500	St	10	-	10	1
London (Kew Obsy.)	1024.3	0	E'N	4	c-	47	75	5	1500	StCu	8	-	8	1
Croydon	1024.2	0	ENE	4	c-	47	85	6	800	St.Cu	8	-	8	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1025.8	+1	ENE	5	b/f	47	75	7	7200	Cu	3	-	3	*
Grain	1025.4	+1	ENE	5	c/	46	85	7	1500	St	8	-	8	2
Lympne	1023.9	0	NE'N	4	b	48	85	6	-	-	0	A.St	1	1
Scilly (St. Mary's)	1019.1	+2	E	4	bc	53	75	6	4000	St.Cu	3	Ci	5	•
Falmouth (Pendennis)	1019.7	0	E	6	bc-	49	75	6	-	-	0	Ci	5	•
Plymouth (Cattewater)	1019.9	-1	E	5	b	51	75	6	-	-	0	-	0	0
Portland Bill	1021.2	+3	NE	5	bc-	49	85	6	-	-	0	C.Cu	4	•
Southampton (Calshot)	1021.5	-1	E	5	bc-	51	75	6	2500	StCu	5	-	5	0
Dungeness	1022.8	+1	E	6	b	48	75	7	-	-	0	-	0	•
Jersey	1018.1	0	ENE	5	c	53	75	6	-	-	0	A.Cu	7	•

Observations at 1800 G.M.T. 17th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1036.5	0	S	1	b	44	75	8	-	-	0	-	0	0
Stornoway	1031.7	-1	SE	1	b	48	85	7	-	-	0	-	0	0
Wick	1034.0	-1	SE	2	bc-	42	97	8	-	-	0	Ci.St	4	0
Castlebay	1030.8	0	ENE	3	bc+	49	75	8	4000	StCu	6	-	6	3
Nairn	1033.0	*	-	0	bc+	47	65	7	-	-	0	Ci.Cu	4	•
Aberdeen	1035.6	0	SE'E	2	Fbc	42	92	1	800	St	6	-	6	0
Malin Head	1028.9	0	ESE	4	b-	47	92	7	5700	StCu	1	Ci.Cu	2	3
Renfrew	1032.1	0	NE	3	o	45	75	7	7200	StCu	1	Ci	9	•
Edinburgh (Inchkeith)	1033.6	+1	E	3	c	42	92	7	-	-	0	Ci	7	2
Leuchars	1033.8	0	ENE	3 2	b	42	92	8	800	St	1	Ci	3	•
Eskdalemuir	1032.7	+2	NE	3	o	42	75	7	4000	StCu	5	Ci.St	9	•
Tynemouth	1032.6	0	E	3	b	44	92	7	-	-	0	Ci	3	1
Blacksod Point	1027.0	+1	E	2	c-	46	85	7	-	-	0	A St.	8	0
Donaghadee	1018.9	0	E	4	b	48	85	8	-	-	0	Ci.St	3	4
Birr Castle	1026.0	*	E	1	o	45	85	5	2500	StCu	9	-	9	•
Holyhead	1025.7	-1	ENE	6	bc	47	85	7	4000	StCu	2	A.Cu	6	6
Liverpool (Bidston)	1027.3	0	ENE	4	b	46	65	4	-	-	0	A.St	3	5
Chester (Shotwick)	1027.1	+1	E'N	5	b	47	75	6	-	-	0	A.St	2	•
Spurn Head	1029.5	0	NE'E	5	b	41	92	7	-	-	0	Ci	1	5
Nottingham	1027.6	0	ENE	4	b	43	85	8	2500	StCu	1	-	1	*
Cranwell	1028.4	+1	E'N	4	b-	42	85	8	-	-	0	-	0	•
Gorleston	1027.0	0	E'N	5	b	43	92	6	-	-	0	Ci.St	1	4
Valencia (Cahirciveen)	1023.8	+1	NE'E	3	b	50	65	6	2500	St.Cu	1	-	1	0
Roches Point	1024.4	+1	E	4	o	46	92	6	4000	St.Cu	9	-	9	3
Pembroke (St. Ann's H.)	1023.2	0	E	4	bc	46	85	7	2500	Cu	5	-	5	3
Ross-on-Wye	1024.3	-1	E	3	b-	46	75	7	2500	St	1	-	1	•
Benson	1024.4	0	E'N	4	bc	47	75	7	-	-	0	Cu	4	•
Andover	1022.9	0	NE	4	b-	46	75	5	-	-	0	-	0	•
S. Farnborough	1023.9	+1	ENE	4	mmb	44	85	5	-	-	0	-	0	•
London (Kew Obsy.)	1024.8	+2	E'N	4	bc	46	75	5	1500	St.Cu	5	-	5	•
Croydon	1024.5	+2	ENE	5	o+	44	85	6	1500	St.Cu	10	-	10	•
Clacton-on-Sea	1025.0	0	NE	4	b	45	85	6	-	-	0	Ci.St	3	2
Shoeburyness	1025.0	0	NE	4	b	42	85	6	-	-	0	Ci.St	1	•
Grain	1024.8	0	NE	5	b	44	85	7	-	-	0	Ci.St	1	3
Lympne	1023.2	0	NE	5	b	44	85	6	-	-	0	Ci.St	1	•
Scilly (St. Mary's)	1019.5	0	E	4	bc	49	75	6	4000	St.Cu	5	-	5	5
Falmouth (Pendennis)	1019.9	0	ENE	6	bc-	49	75	6	-	-	0	Ci	5	2
Plymouth (Cattewater)	1020.3	+1	E'N	4	bc+	49	92	5	-	-	0	Ci	4	0
Portland Bill	1021.4	+2	NE	5	b-	47	92	6	-	-	0	Ci.Cu	2	5
Southampton (Calshot)	1021.5	-1	NE'E	4	b+	48	75	6	-	-	0	Ci	1	0
Dungeness	1022.3	0	E	6	b	46	92	7	-	-	0	-	0	6
Jersey	1017.2	0	ENE	5	o	50	75	6	2500	St.Cu	10	-	10	6

LONDON OBSERVATIONS. (Weather and Temperature: 24 Hours ended 0900 G.M.T. 18th)

Station	Weather Morning	Weather Afternoon	Weather Night	Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew (24 hours ended 0700)	omcm	bcm	bmw	•	•	35	-	-	3.4	•	•
Croydon (24 hours ended 0700)	ocmm	obm	bmomx	•	•	29	-	-	4.1	•	•
Greenwich (Royal Obsy.)	o	bc	bco	50	37	32	-	-	4.0	74	81
City (Bunhill Row)	•	•	•	•	•	•	•	•	2.3	•	•
Westminster (St. James' Pk.)	•	•	•						4.2		
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0.5	•	•
Camden Square	o	b	•	53	37	33	-	-	•	•	87
Kensington Palace	obc	bcb	•	51	36	31	-	-	•	80 (18h)	86
Hampstead Observatory	•	•	•						—	•	

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. ....

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 17 19 h. 00 m. to 18 05 h. 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10 15	10 15	100
δ Ursae Minoris	10 15	10.15	100

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer.
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	C	5	-	95°
18h.	C	5	-	100°
01h.	C	6	-	125
07h.	C	6	-	130

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

18th & 19th MARCH, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.2 / 6.0	12.1 / 12.1	6.0 / 6.2
Greenwich	6.9 / 6.7	12.8 / 12.8	6.7 / 6.9
Wick	6.23 / 6.20	12.20 / 12.20	6.18 / 6.20
Valencia	6.50 / 6.48	12.49 / 12.49	6.48 / 6.50

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather. A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
r_or_o = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

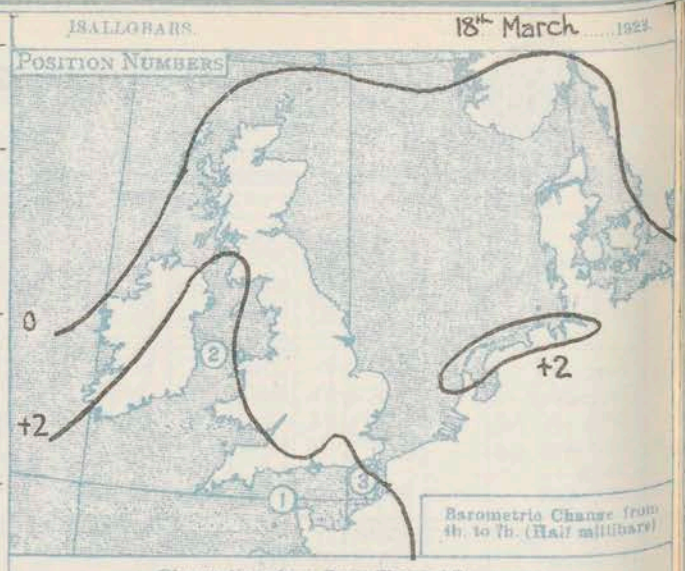
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

¹ For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 17th	13h.-18h. 17th	18h. 17th to 1h. 18th	1h.-7h. 18th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 17th Hours.
Lerwick	bc	b	b	bw	48	37	•	-	0.1	-	-	10.8
Stornoway	bbc	bbc	b.bc	b	52	29	•	-	-	-	-	10.2
Wick	oo	bbc	ffe	ffe	44	37	•	-	0.2	-	<2100	•
Castlebay	b	bc	cb	b	51	43	•	-	-	-	-	10.5
Nairn	bm	bbcm	bcbx	bx	54	28	•	-	-	-	-	8.5
Aberdeen	obcm	bcmF	ffof	omom	48	37	35	-	-	-	-	4.2
Malin Head	cowz	bcz	bcz	bcz	49	39	•	-	-	-	-	6.5
Renfrew	omcz	bczoo	oco		49	38	35	-	-	-	-	5.5
Edinburgh(Inchkeith)	c	c	m	oo	46	37	34	-	trace	-	-	5.2
Leuchars	oo	bbc	bbcco	oo	46	37	25	-	-	-	-	6.3
Eskdalemuir	oco	bcyco	ocbcb	bccoc	47	34	31	-	-	-	-	5.8
Tynemouth	bbc	bbc	bc	bbc	46	40	35	-	-	-	-	•
Blacksod Point ...	oo	oo	b-bc	b-bc	46	38	•	-	-	-	-	•
Donaghadee	bc	bcq	bc	bc	49	42	•	-	-	-	-	•
Birr Castle	coz	coz	coz	bescz	49	35	29	-	-	-	-	2.3
Holyhead	obcbm	bbcm	bcbb	bb	50	40	39	-	-	-	-	7.8
Liverpool (Bidston) ...	obcm	bm	bcm		52	38	32	-	-	-	-	6.4
Chester (Shotwick) ...	ombz	bbz	bmbmx	bbxm	54	32	18	-	-	-	-	6.9
Spurn Head	bc	bbc	bbc	bbc	46	41	•	-	-	-	-	7.4
Nottingham	c	bbc	b	b	50	38	34	-	-	-	-	6.6
Cranwell	ocbc	bbc	bbc	c	48	34	31	-	-	-	-	7.4
Gorleston	cbcb	bbc	bbc	bw	44	41	37	-	-	-	-	8.5
Valencia (Cahirciveen)	bcocz	czbcz	bmx	bczbm	52	37	32	-	-	-	-	4.8
Roches Point	oc	co	ofm	o	49	39		-	-	-	-	
Pembroke(St.Ann's H.)	bbc	c	bbc	bbc	51	39	•	-	-	-	-	5.7
Ross-on-Wye	om	ocbccb	bbcb	bco	49	39	37	-	-	-	-	1.2
Benson...	bc	oc	b	b	52	38	31	-	-	-	-	•
Andover	m	ocbm	bmb	bbcco	50	39	35	-	-	-	-	3.6
S. Farnborough	oomm	ocbmm	bm	bco	51	37	31	-	-	-	-	4.3
London (Kew Obsy.) ...	omcm	bcm	bmbb	bbmw	49	39	35	-	-	-	-	3.4
Croydon	ocmm	obm	bm	bomwx	48	36	29	-	-	-	-	4.1
Clacton-on-Sea ...	ogbcm	bcm	bcmb	bbc	46	42	37	-	-	-	-	9.0
Shoeburyness	b	bbc	bm	bw	48	39	35	-	trace	-	-	8.9
Grain	cmc	cbcb	bb	bbcc	46	41	39	-	-	-	-	8.7
Lympne	bm	bmq	bm	mfw	49	38	35	-	trace	-	-	10.0
Scilly (St. Mary's) ...	obcmq	cmq	bccmq	bcm	54	43	•	-	-	-	-	7.8
Falmouth (Pendennis)	ocbcm	bm	bmb	bm	50	43	•	-	-	-	-	7.5
Plymouth(Cattewater)	omb	bbcz	bcmb	b	52	41	37	-	-	-	-	8.7
Portland Bill	ocbc	bbc	bcm	bcm	48	40	•	-	-	-	-	•
Southampton(Calshot)	c	obcb	b	b	51	40	37	-	-	-	-	3.5
Dungeness	bbc	bbc	bbcq	b.bc	48	41	•	-	-	-	-	•
Jersey	oc	co	ocbw	bw	54	44	•	-	-	-	-	7.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Altitude A.
2	17th 3h.	Ibernia	ENE	5	cm	45	46	6
1	" 13h.	Reindeer	NE'E	7	bc⊕	48	49	5
3	18th 3h.	Arundel	E	4	bc	46	48	7

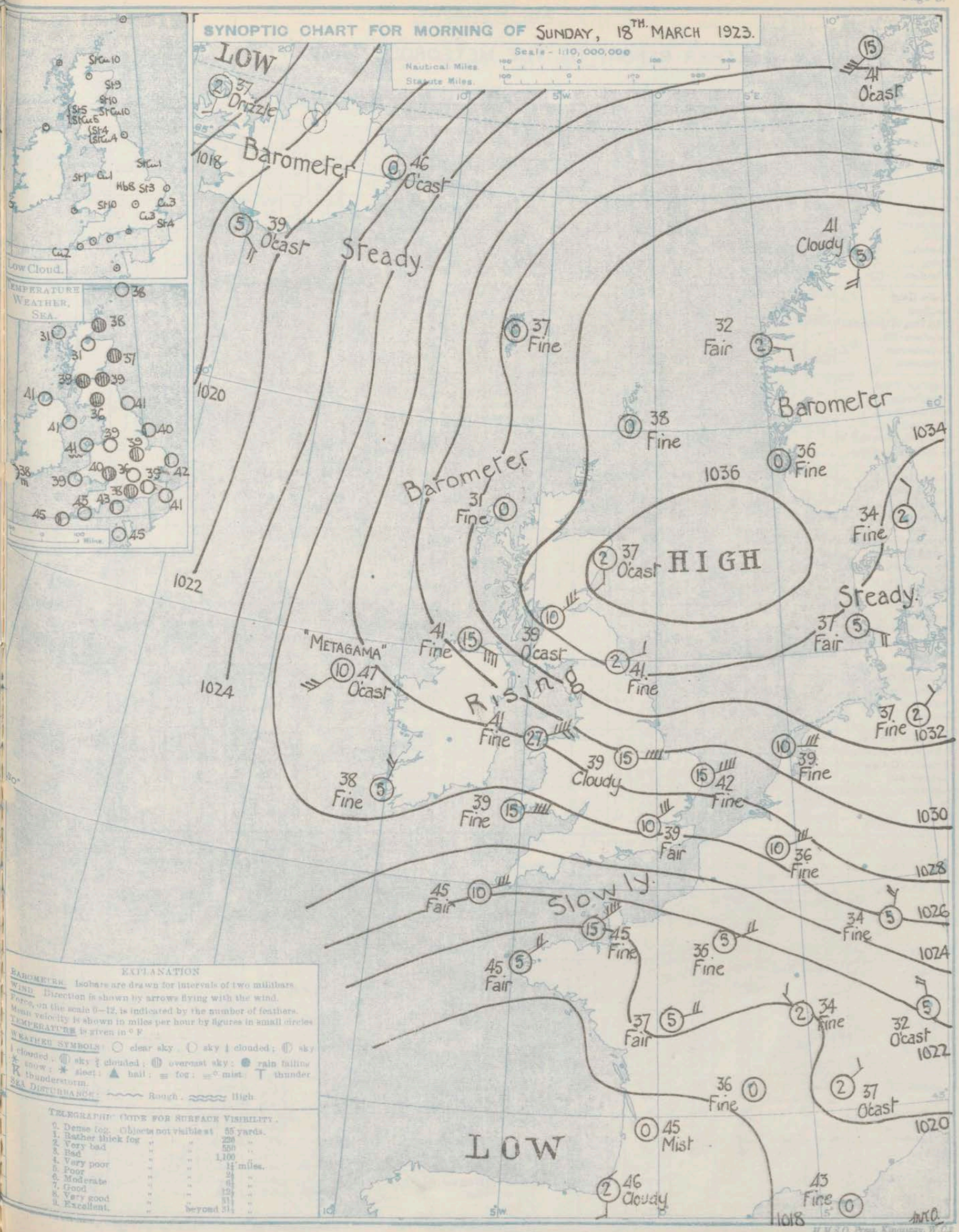
GENERAL INFERENCE.

The anticyclone Centred over Southern Norway will maintain rather cold Easterly winds over the British Isles, fresh at times over England. The weather will be mainly fine and bright, but cloudy at times, especially in the North.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 18th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate or fresh Easterly winds; mainly fine and bright but some cloud at times; visibility moderate to good; rather cold.	Easterly winds and rather cold weather continuing.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light or moderate Easterly winds; mainly fine and bright, but much cloud at times; visibility moderate to good; rather cold.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Light Southeasterly to indefinite winds; fine and bright; visibility mainly good; rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate E to S.E. winds; mainly fine and bright but some cloud at times; visibility moderate to good apart from morning mist; rather cold. EVN	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1300 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF SUNDAY, 18TH. MARCH 1923.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
Barometer
Steady.
Baometer
Rising
Slowly.
HIGH
LOW
"METAGAMA"
1018
1020
1022
1024
1026
1028
1030
1032
1034
1036
Low Cloud.
Temperature
Weather,
Sea.
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 ° F
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles.
5. Poor " " 2 "
6. Moderate " " 4 "
7. Good " " 7½ "
8. Very good " " 12 "
9. Excellent. " " 31 "
" " beyond 31 "
H.M.S.O. Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.... SUNDAY 18th MARCH .....1923. No. 77....

Observations at 0100 G.M.T. 18th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1036.7	0	SSW	1	b	40	92	7	-	-	0	-	0	•
Stornoway	1033.3	0	-	0	b-	•	•	6	•	•	•	•	•	•
Wick	1034.7	0	S	3	FFo	38	97	1	<150	St	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1030.2	0	E	5	b	44	92	7	-	-	0	-	0	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1035.0	+2	E	2	o/f	39	92	8	-	-	0	A St	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1034.4	+2	E	2	b	41	97	7	-	-	0	-	0	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1027.9	0	ENE	6	b	41	92	7	-	-	0	-	0	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1031.6	+1	NE'E	4	b	41	92	6	-	-	0	-	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1030.2	+1	NE	3	b	36	97	7	-	-	0	-	0	•
Gorleston	1028.2	0	E'S	4	b	42	97	7	-	-	0	-	0	•
Valencia (Cahirciveen)	1024.6	+1	ESE	2	b	45	92	5	-	St	2	-	2	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1025.4	+1	E	4	b	41	85	7	-	-	0	-	0	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	42	•	•	•	•	•	•	•	•
Croydon	1025.7	+1	ENE	2	b	38	92	4	-	-	0	-	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness... ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1025.0	+1	ENE	4	b	42	92	6	-	-	0	-	0	•
Scilly (St. Mary's) ...	1021.0	+2	E	3	0	47	85	6	4000	StCu	9	-	9	•
Falmouth (Pendennis)	1022.2	+1	E	6	b	47	85	8	-	-	0	-	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1022.2	+3	NE	5	mb	43	85	5	-	-	0	C.C.	2	•
Southampton (Ca.shot)	1023.9	+1	NE	4	b	42	85	7	-	-	0	-	0	•
Dungeness	1023.4	+2	E	6	b	44	85	7	-	-	0	-	0	•
Jersey 7h }	1019.9	+1	ENE	6	b	47	97	6	-	-	0	-	0	•
Guernsey 1h }														

Observations at 0700 G.M.T. 18th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1035.7	0	-	0	b	38	97	8	-	-	0	-	0	0
Stornoway	1032.9	+1	-	0	b-	31	92	7	-	-	0	-	0	0
Wick	1033.8	-1	S	3	o/f	38	97	8	5700	StCu	10	-	10	1
Castlebay	1031.0	0	ESE	3	b	44	85	8	-	-	0	A St	1	2
Nairn	1034.5	•	-	0	b	31	85	8	-	-	0	-	0	•
Aberdeen	1036.1	0	S	1	0	37	92	6	1500	St	9	-	9	0
Malin Head	1030.7	0	ESE	4	b	41	92	7	-	-	0	C.Cu	1	3
Renfrew	1034.4	+1	NE	3	0	39	92	7	2500	St	10	-	10	•
Edinburgh (Inchkeith)	1035.1	+1	ESE	1	0	39	92	8	x	StCu	10	-	10	1
Leuchars	1035.0	0	N	2	0	38	92	7	1500	St	10	-	10	•
Eskdalemuir	1034.1	0	N'E	3	c	36	92	8	1500	St	8	-	8	•
Tynemouth	1034.2	0	ENE	1	b	41	92	7	-	-	0	-	0	0
Blacksod Point ...	1025.6	0	S.E	2	b-	50	65	8	-	Cu	3	-	3	0
Donaghadee	1031.9	+3	E	4	b	41	85	8	1500	St	1	-	1	4
Birr Castle	1028.2	•	E	1	b+	36	97	6	1500	StCu	3	-	3	•
Holyhead	1027.2	+1	ENE	6	b	41	92	7	2500	St	1	-	1	6
Liverpool (Bidston) ...	1030.1	0	ENE	3	b	39	92	5	2500	Cu	1	-	1	3
Chester (Shotwick) ...	1030.1	0	-	0	b	34	92	4	-	-	0	-	0	•
Spurn Head	1031.4	0	NE'E	5	bc+	40	97	7	5700	StCu	1	Ci	4	4
Nottingham	1029.9	+1	E	4	c	39	92	8	1500	Nb	8	-	8	•
Cranwell	1030.8	+1	NE	3	0	37	97	6	4000	St	3	Ci St	10	•
Gorleston	1028.9	0	E'N	4	bc+	42	97	7	-	-	0	Ci	4	2
Valencia (Cahirciveen)	1026.3	+2	NNE	2	mb	38	85	6	-	-	0	-	0	0
Roches Point	1028.6	+1	ENE	2	0	41	92	6	4000	St	10	-	10	3
Pembroke (St. Ann's H.)	1025.7	+2	E	4	b	39	92	7	-	-	0	-	0	3
Ross-on-Wye	1027.5	+1	ENE	3	0	40	85	7	2500	St	10	-	10	•
Benson...	1026.5	+2	NE	3	b	36	97	6	-	-	0	-	0	•
Andover	1025.5	0	NE'E	5	0+	39	92	6	1500	StCu	10	-	10	•
S. Farnborough ...	1025.8	+2	NE	2	0	38	92	6	2500	St	10	-	10	•
London (Kew Obsy.)...	1026.7	+1	NE	3	b+	39	85	6	2500	Cu	3	-	3	•
Croydon	1025.8	0	NE	3	0+	38	97	6	800	St	9	-	9	•
Clacton-on-Sea ...	1026.8	0	ENE	4	bc+	42	85	7	1500	Cu	3	A Cu	5	3
Shoeburyness... ...	1026.6	0	NE	6	b+	41	85	7	5700	Cu	3	-	3	•
Grain	1026.5	0	ENE	5	c	42	85	7	2500	Cu	7	-	7	3
Lympne	1025.4	+1	ENE	4	bc-	39	92	5	450	St	4	-	4	•
Scilly (St. Mary's) ...	1022.7	+2	ENE	3	bc	45	85	6	4000	St	5	-	5	5
Falmouth (Pendennis)	1023.5	+2	ENE	1	b	43	85	7	-	-	0	-	0	0
Plymouth (Cattewater)	1022.8	+2	ENE	3	b	42	92	7	-	-	0	-	0	0
Portland Bill	1022.2	+2	NE'E	5	b	43	85	5	-	-	0	C.St	2	5
Southampton (Ca.shot)	1024.5	0	NE	5	b	41	92	7	-	-	0	-	0	3
Dungeness	1024.2	+1	ENE	5	b	41	85	6	-	-	0	-	0	3
Jersey 7h }	1019.8	0	NE	4	b	45	92	6	-	-	0	-	0	3
Guernsey 1h }														

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 16th-17th	Temperature. Max. Day. 17th	Rainfall.† Night 17h.-9h. 16-17th	Rainfall.† Day 9h.-17h. 17th	Sunshine. Sunrise to 17h. 17th	Sunshine. Sunrise to Sunset. 16th
			°F.	°F.	mm.	mm.	hr.	hr.
Montrose	*	*	33	46	-	-	8.4	1.3
Llandudno	mobb	bbc	40	52	-	-	4.7	0.1
Colwyn Bay ...	cbc	bc	40	52	-	-	5.0	0.0
Rhyl...	bc	bc	39	53	-	-	7.8	0.2
Southport	b	c	37	54	-	-	10.2	0.0
Blackpool	cb	bc	39	53	-	-	8.0	0.0
Ilkley	bgcbb	bc	37	50	-	-	7.4	0.0
Harrogate	bcb	b	35	49	-	-	8.2?	0.0
Skegness	b	b	39	45	-	-	8.2	0.0
Aberystwyth ...	ocb	b	42	51	-	-	5.5	0.4
Bath	o	ocbcb	41	50	-	-	1.4	0.1
Leamington Spa ...	o	bc	39	52	-	-	3.7	0.0
Lowestoft	ocb	b	40	46	-	-	6.0	0.0
Felixstowe	omb	bz	38	45	-	-	8.7	0.0
Southend	cbc	bcb	38	48	-	-	8.0	0.0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 16th-17th	Temperature. Max. Day. 17th	Rainfall.† Night 17h.-9h. 16-17th	Rainfall.† Day 9h.-17h. 17th	Sunshine. Sunrise to 17h. 17th	Sunshine. Sunrise to Sunset. 16th
			°F.	°F.	mm.	mm.	hr.	hr.
Ilfracombe	ocbc	bcco	42	48	-	-	3.2	2.0
Bude	b	b	41	52	-	-	8.0	1.7
Penzance	bz	bz	44	53	-	-	7.7	5.9
Paignton	oq	bcomoc	43	51	-	-	4.5	2.2
Torquay	b	b	43	53	-	-	5.0	3.0
Weymouth	cbc	bcc	39	53	-	-	5.3	4.7
Bournemouth ...	bc	bbc	38	53	-	-	2.7	8.0
Portsmouth (S'thsea)	b	b	41	55	-	-	6.4	6.7
Worthing	bcb	b	3[illegible]	55	-	-	7.3	5.7
Brighton	b	b	45	56	-	-	9.0	6.0
Eastbourne... ...	b	bc	42	51	-	-	8.7	7.4
Hastings	b	b	41	52	-	-	9.6	6.7
Folkestone	b	b	41	49	-	-	8.0	0.2
Tunbridge Wells ...	b	b	39	52	-	-	8.2	1.5
Ramsgate	b	bm	41	46	-	-	8.4	0.0
Margate	b	b	41	46	-	-	8.8	0.0
Deal	bb	bb	42	48	-	-	8.7	0.0

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22397 MONDAY, 19th MARCH 1923.

Observations at 1300 G.M.T. 18th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10	State of ground.
Lerwick	1034·8	0	SSW	2	b	45	85	7	–	–	0	–	0	·
Stornoway	1032·7	0	SE	1	b	49	85	7	–	–	0	–	0	·
Wick	1033·8	+1	S	2	b	44	92	8	5700	Cu	1	–	1	·
Castlebay	1032·2	0	ESE	3	b	47	75	8	–	–	0	–	0	·
Nairn	*	*	*	*	*	*	*							·
Aberdeen	1035·7	0	SSE	2	b	44	75	6	1500	St	1	–	1	0
Malin Head	1030·8	0	ESE	4	b	45	85	8	–	–	0	–	0	·
Renfrew	1033·8	-2	NE	3	b-	46	75	6	5700	Cu	1	–	1	0
Edinburgh (Inchkeith)	1034·8	-1	NE	3	b-	43	75	8	–	StCu	3	–	3	·
Leuchars	1035·0	0	E	2	o	42	85	8	2500	StCu	10	–	10	0
Eskdalemuir	1033·4	0	NE	4	bc-	48	65	8	2500	Cu	1	CiSt	4	0
Tynemouth	1034·3	+1	ENE	1	b+	46	92	6	–	–	0	ACu	3	·
Blacksod Point														·
Donaghadee	1031·6	0	E	3	b	45	85	8	–	–	0	CiCu	3	·
Birr Castle														·
Holyhead	1028·3	0	ENE	6	c+	47	85	6	2500	StCu	3	CiSt	7	0
Liverpool (Bidston)	1029·3	-2	ENE	4	c+	47	75	5	2500	StCu	3	ASt	7	·
Chester (Shotwick)	1029·6	-1	E	5	c	52	65	6	4000	StCu	5	Ci	7	5
Spurn Head	1031·8	0	ENE	4	b	48	75	8	4000	Cu	1	–	1	·
Nottingham	1029·3	-1	E	4	b	48	65	8	2500	Cu	3	–	3	·
Cranwell	1030·5	+1	E	4	c-	49	75	8	4000	StCu	7	–	7	0
Gorleston	1029·2	0	E'N	4	bc	44	85	7	4000	Cu	1	Ci	4	·
Valencia (Cahirciveen)	1026·1	-1	[illegible]	3	mmbc	49	75	6	4000	Cu	5	–	5	0
Roches Point	1026·5	0	E	3	o	48	85	7	4000	StCu	9	–	9	·
Pembroke (St. Ann's H.)	1025·6	-1	ENE	3	b	52	65	8	4000	StCu	2	–	2	·
Ross-on-Wye	1026·6	-2	ENE	5	bc	49	65	8	4000	StCu	3	CiCu	4	0
Benson	1026·3	-1	NE	4	bc-	50	65	7	2500	Cu	6	–	6	1
Andover	1024·9	0	NE	5	bc-	48	75	6	1500	Cu	5	–	5	0
S. Farnborough	1025·4	0	ENE	5	bc-	49	65	6	4000	Cu	2	CiSt	5	0
London (Kew Obsy.)	1026·4	-2	E	5	bc+	48	65	6	4000	Cu	3	CiSt	4	1
Croydon	1026·2	0	ENE	6	c+	46	75	6	1500	Cu	1	Ci	7	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	·
Shoeburyness	1027·2	0	NE	5	bc	47	75	7	4000	Cu	1	CiSt	4	·
Grain	1026·8	0	ENE	6	c	45	75	8	2500	Cu	1	CiSt	8	2
Lympne	1025·5	0	ENE	6	c+	44	75	6	–	–	0	CiSt	8	1
Scilly (St. Mary's)	1023·3	0	E'S	3	bc	52	75	6	4000	StCu	5	–	5	·
Falmouth (Pendennis)	1023·9	0	NE	4	b	48	75	7	–	–	0	–	0	·
Plymouth (Cattewater)	1022·8	-1	E	4	b	50	85	7	–	–	0	–	0	0
Portland Bill	1022·9	+2	NE'E	5	b	48	85	7	–	–	0	–	0	·
Southampton (Calshot)	1024·2	-1	NE	5	b+	49	65	7	4000	Cu	3	–	3	0
Dungeness	1024·1	-1	ENE	7	bc+	47	75	7	–	–	0	CiCu	8	·
Jersey	1019·8	0	NE	5	b	52	75	6	–	–	0	–	0	·

Observations at 1800 G.M.T. 18th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1033·8	-2	SW	2	b	43	92	8	–	–	0	–	0	1
Stornoway	1031·5	0	–	0	b	46	85	7	–	–	0	–	0	0
Wick	1032·0	-1	S	2	b	42	97	7	–	–	0	CiSt	2	0
Castlebay	1030·5	0	E	3	b	47	75	8	–	–	0	–	0	3
Nairn	1032·3	–	–	0	b	39	75	4	–	–	0	–	0	·
Aberdeen	1034·6	-1	SSE	1	b	41	85	6	–	–	0	–	0	0
Malin Head	1029·2	-2	ESE	4	bc+	49	85	8	5700	StCu	2	CiCu	4	2
Renfrew	1032·6	-1	NE	3	o+	44	85	7	7200	StCu	3	Ci	9	·
Edinburgh (Inchkeith)	1033·8	-1	E	3	c+	41	92	8	–	–	0	Ci	7	2
Leuchars	1034·1	0	–	0	bc	40	92	8	2500	StCu	2	Ci	5	·
Eskdalemuir	1032·8	-1	NE'N	3	bc	41	65	8	2500	StCu	1	Ci	6	·
Tynemouth	1033·1	-1	NE	2	bc+	45	92	7	–	–	0	ACu	4	0
Blacksod Point	1026·6	0	E	3	b-	48	75	8	–	Cu	3	–	3	0
Donaghadee	1029·6	-2	E	3	bc+	47	75	8	–	–	0	CiCu	4	3
Birr Castle														·
Holyhead	1027·6	+1	ENE	4	b-	46	92	6	–	–	0	ASt	3	4
Liverpool (Bidston)	1028·1	-1	ENE	5	bc	47	55	5	–	–	0	CiSt	4	5
Chester (Shotwick)	1028·1	0	E	5	o+	49	55	6	–	–	0	Ci	9	·
Spurn Head	1030·5	-1	NE	5	b	42	92	7	–	–	0	ACu	1	4
Nottingham	1028·9	-1	E	4	b-	42	75	8	4000	Cu	1	–	1	·
Cranwell	1029·6	0	E'N	3	b-	42	75	8	4000	St	1	–	1	·
Gorleston	1028·0	-1	ENE	4	b	43	85	7	–	–	0	–	0	1
Valencia (Cahirciveen)	1025·9	0		3	mmb	48	85	6	–	–	0	–	0	0
Roches Point	1025·4	0	E	2	b	46	92	7	–	–	–	–	–	3
Pembroke (St. Ann's H.)	1024·6	-1	ENE	3	b	48	75	8	1500	St	3	–	3	3
Ross-on-Wye	1025·8	-1	NE'E	3	bc-	46	65	8	4000	Cu	4	Ci	5	·
Benson	1025·7	0	ENE	4	bc	44	65	7	–	Cu	5	–	5	·
Andover	1024·7	0	NE'E	5	b	43	75	6	1500	StCu	3	–	3	·
S. Farnborough	1025·3	+1	ENE	3	o	44	75	6	4000	StCu	10	–	10	·
London (Kew Obsy.)	1025·7	0	ENE	4	c	45	65	6	4000	Cu	3	CiSt	8	·
Croydon	1025·6	0	NE'E	4	o	43	85	6	1500	StCu	9	–	9	·
Clacton-on-Sea	1026·2	0	NE	4	b	44	85	7	–	–	0	CiSt	2	2
Shoeburyness	1025·9	-2	NE	4	b	43	85	7	–	–	0	CiSt	1	·
Grain	1025·8	-1	NE'E	6	b-	43	85	7	4000	St	2	–	2	3
Lympne	1024·8	0	NE	5	c+	42	85	7	1500	StCu	8	–	8	·
Scilly (St. Mary's)	1022·0	-1	E	4	b	48	75	6	–	–	0	–	0	4
Falmouth (Pendennis)	1022·3	-2	E	4	b	48	75	7	–	–	0	–	0	1
Plymouth (Cattewater)	1022·4	0	E'N	3	b	50	85	5	–	–	0	CiCu	1	0
Portland Bill	1022·4	-3	NE'E	5	b+	48	85	7	–	–	0	CiSt	3	5
Southampton (Calshot)	1024·0	0	ENE	6	bc+	45	75	7	4000	StCu	5	Ci	6	3
Dungeness	1023·4	-1	ENE	6	bc	45	92	7	4000	Cu	4	–	4	6
Jersey	1019·8	0	ENE	5	bc+	48	75	6	800	St	3	Ci	4	4

London Observations. (Weather and Temperature: 24 hours ended 0900 G.M.T. 19th; Kew and Croydon: 24 hours ended 0700)

London Observations.	Weather Morning	Weather Afternoon	Weather Night	Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew	ombmbcg	bomom	ombm	*	*	33	–	–	4·3	*	*
Croydon	obmz	bbcog	obm	*	*	27	–	–	5·4	*	*
Greenwich (Royal Obsy.)	obc	ob	bobwo	49	36	30	–	–	5·8	54	84
City (Bunhill Row)	*	*	*	*	*	*	*	*	3·3	*	*
Westminster (St. James' Pk.)	*	*	*	49	38	34	–	–	6·1	80	83
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	4·8	*	*
Camden Square	c	b	*	51	35	31	–	–	*	*	84
Kensington Palace	bc	bc	*	49	35	29	–	–	*	70 (18h)	86
Hampstead Observatory	*	*	*	47	35	24	–	–	–	*	92

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1600 G.M.T. 18th

South Kensington Max.	Time.	Min.	Time.
–	–	–	–
–	–		

Kew Observatory Max.	Time.	Min.	Time.
–	–	–	–
–	–		

Pole Star Record at Greenwich Obsy.

Exposure from 18th 19 h. 00 m. to 19th 05 h. 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10.15	10.00	98
δ Ursae Minoris	10.15	08.45	85

Code for State of Ground
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer.
9=Glazed roads (ice on roads from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	CG	4	–	160
18h.	–	–	–	–
04h.	C	5	–	135
07h.	C	6·	–	150

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 19th & 20th March, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·0 5·58	12·1 12·1	6·2 6·3
Greenwich	6·7 6·5	12·8 12·8	6·9 6·10
Wick	6·20 6·18	12·20 12·20	6·20 6·21
Valencia	6·48 6·46	12·49 12·49	6·50 6·51

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

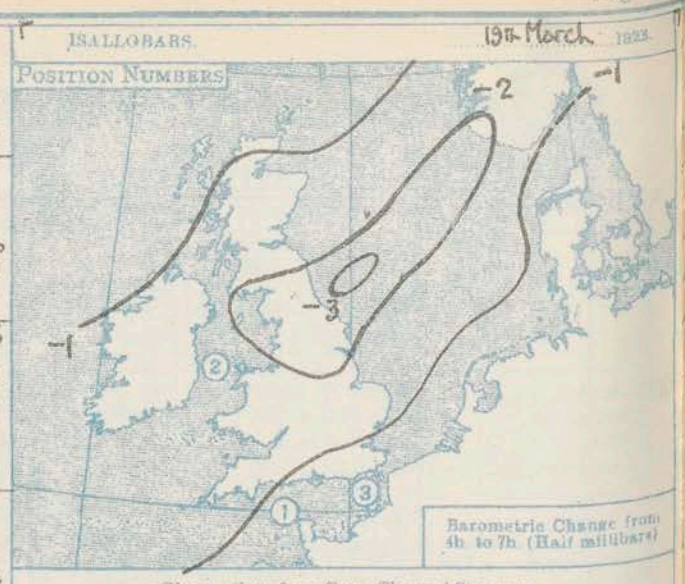
Sea Disturbance.
0=no swell, 1=mod. swell, 2=heavy swell — Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell — Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 18th	13h.-18h. 18th	18h. 18th to 1h. 19th	1h.-7h. 19th	Temperature. Max. Day. 7h.-18h.	Min. Night. 18h.-7h.	Min. on Grass	Rainfall.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	Sun. 18th Hours.
Lerwick	b	b	b	bcw	46	37	.	–	0.1	–	–	11.0
Stornoway	b-bc	b	bbc	b	50	29	.	–	–	–	–	10.2
Wick	b-bc	b-bc	bbc	oife	44	38	.	–	0.1	–	03.30	.
Castlebay	b	b	b	bc	48	42	.	–	–	–	–	10.6
Nairn	"	bm	bxbc	bc	46	26	.	–	–	–	–	10.0
Aberdeen	ocbm	bbm	bm	bmffx	47	31	23	–	–	–	–	8.4
Malin Head	bz	bcz	bc	bc	49	42	.	–	–	–	–	10.5
Renfrew	ocb	bbcc	ob	bcc	49	34	26	–	–	–	–	6.1
Edinburgh (Inchkeith)	c	bcc	o	o	46	36	31	–	–	–	–	5.8
Leuchars	oo	b-bc	bcco	of	44	34	29	–	–	–	–	3.9
Eskdalemuir	cbc	bccbc	bc	bccom	51	32	29	–	–	–	–	9.0
Tynemouth	b-bc	b-bc	bbc	bifbcw	49	39	34	–	–	–	–	.
Blacksod Point ...	~~b-bc~~	b-bc	b-bc	b-bc	51	38	.	–	–	–	–	.
Donaghadee	bc	bc	b	bc	50	42	.	–	–	–	–	.
Birr Castle												
Holyhead	bbcc	cbcm	bb	bcb	48	39	37	–	–	–	–	9.6
Liverpool (Bidston) ...	cm	bcm	bm	bm	51	36	29	–	–	–	–	4.8
Chester (Shotwick) ...	bxmozc	bcbzbcz	ob3bm	bbxom	53	31	18	–	–	–	–	9.3
Spurn Head	b-bc	b-bc	bcbb	bbc	48	39		–	–	–	–	6.5
Nottingham	b-bc	b-bc	b	bc	50	38	33	–	–	–	–	6.5
Cranwell	c	b-bc	bbc	bom	49	34	31	–	Trace	–	–	9.0
Gorleston	b-bc	b	bbc	bw	45	41	36	–	–	–	–	10.3
Valencia (Cahirciveen)	bmbcz	bcbz	b	bccm	53	38	34	–	–	–	–	9.1
Roches Point	ooo	cb	bo	b	50	42	–	–	–	–	–	
Pembroke (St. Ann's H.)	b-bc	b-bc	bbc	c	53	38	.	–	–	–	–	9.9
Ross-on-Wye	ocbc	bcqcbc	bbcb	como	50	37	35	–	–	–	–	6.6
Benson...	bc	bc	bc	bcm	51	33	30	–	Trace	–	–	.
Andover	ocbcm	bcbm	bbcbm	bccom	49	37	34	–	–	–	–	6.7
S. Farnborough ...	ocbc	bcco	bomm		50	36	29	–	–	–	–	7.0
London (Kew Obsy.) ...	bmbmbcq	bcmd	cmbm	bmbmxcmst	49	38	33	–	–	–	–	4.3
Croydon	obmz	cbcoz	obm	bomx	48	34	27	–	–	–	–	5.4
Clacton-on-Sea ...	bc	bc	b	bbc	47	41	36	–	–	–	–	9.5
Shoeburyness	b-bc	b-bc	bbm	bmb	48	38	34	–	–	–	–	7.1
Grain	c	cbcb	bb	bbbcc	46	42	38	–	–	–	–	6.8
Lympne	b-bcm	mbcb	bcbc	bmw	45	35	31	Trace	Trace	–	–	9.6
Scilly (St. Mary's) ...	bcm	bcbm	bc	obm	52	42	.	–	–	–	–	9.2
Falmouth (Pendennis)	bm	bm	bm	bccom	49	39	.	–	–	–	–	8.9
Plymouth (Cattewater)	b	bm	bbcmb	b	51	40	37	–	–	–	–	9.2
Portland Bill	mbcb	bbc	bc	bcb	49	39	.	–	–	–	–	
Southampton (Calshot)	bm	bbcq	bcb	bmw	52	37	35	–	–	–	–	9.8
Dungeness	b-bcq	cq	c	bbc	?	41	.	–	–	–	–	.
Jersey	b	b	bw	bw	53	41	.	–	–	–	–	10.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	18th. 10h.	Hibernia	ENE	4	cm	45	47	6
3	19th. 3h.	Dieppe	E	3	b	45	47	7

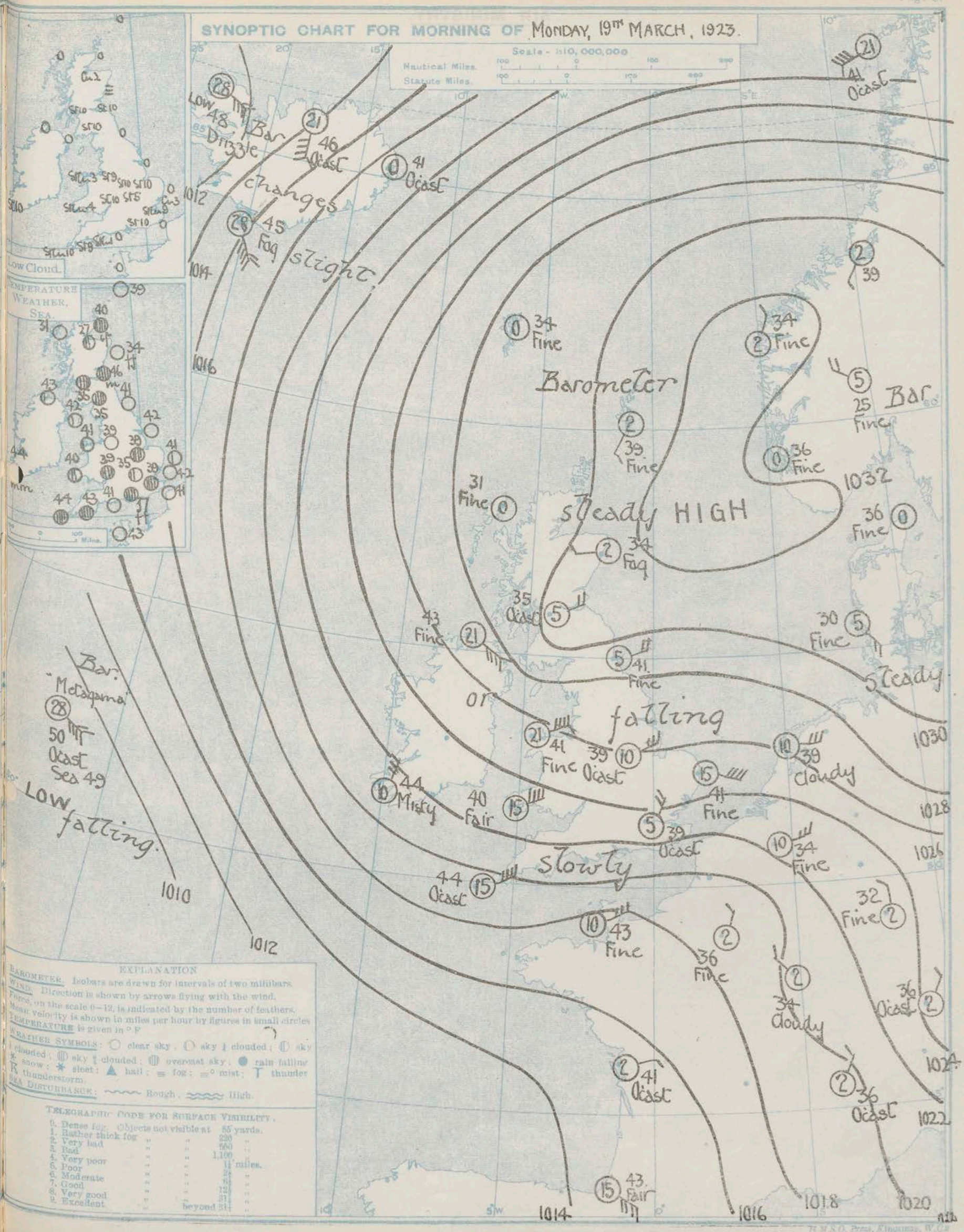
GENERAL INFERENCE.

The anticyclone over the northern part of the North Sea will maintain rather cold easterly winds over the British Isles. The weather will be mainly fine and bright with occasional cloudy periods.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 19th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate or fresh easterly winds; mainly fine and bright, but occasional cloudy periods; visibility moderate to good; rather cold.	Easterly winds and rather cold dry weather continuing. ---------
11. E. Scotland 12. S.W. Scotland	Light or moderate easterly winds; mainly fine and bright but occasional cloudy periods; visibility mainly moderate to good but mist or fog in places; rather cold.	
13. Isle of Man	As 1 - 10.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Light southerly or indefinite winds; fine, with little cloud; visibility moderate to good; rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate E. or S.E. winds; mainly fine and bright but occasional cloudy periods; visibility moderate to good; rather cold.	MAC.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0855 G. C. Simpson, F.R.S., Director.

§ For Code see opposite page.



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 ° F.
WEATHER SYMBOLS: ○ clear sky, ◐ sky ¼ clouded; ◐ sky ½ clouded; ◍ sky ¾ clouded; ◍ overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ≡° mist; T thunder; R thunderstorm.
SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0. Dense fog.	Objects not visible at		55	yards.
1. Rather thick fog	"	"	220	"
2. Very bad	"	"	550	"
3. Bad	"	"	1,100	"
4. Very poor	"	"	1¼	miles.
5. Poor	"	"	2	"
6. Moderate	"	"	3	"
7. Good	"	"	6	"
8. Very good	"	"	12	"
9. Excellent	"	"	31	"
		beyond	31	"

H.M.S.O. Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Monday 19th March 1923. No. 78

Observations at 0100 G.M.T. 19th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1033.2	-1	–	0	b	39	97	7	–	–	0	–	0	•
Stornoway	1032.0	0	–	0	b	•	•	6	•	•	•	•	•	•
Wick	1030.9	-1	S	1	b	40	97	8	–	–	0	–	0	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1028.1	-1	ESE	3	b	44	85	8	5/00	StCu	2	–	2	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1032.8	-1	ENE	3	o+	39	97	8	–	St	10	–	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1032.0	-1	ENE	1	b	41	97	7	–	–	0	–	0	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1027.0	-1	ENE	5	b	42	97	7	–	–	0	–	0	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1028.9	-1	NE	4	b	40	97	7	–	–	0	–	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1028.4	-1	NE	3	b	35	97	7	–	–	0	–	0	•
Gorleston	1026.7	-1	E	4	b	42	92	7	–	–	0	–	0	•
Valencia (Cahirciveen)	1023.5	-1	–	0	b	42	92	8	–	–	0	–	0	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1024.0	-1	ENE	3	bc	41	85	8	2500	StCu	4	–	4	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	41	•	•	•	•	•	•	•	•
Croydon	1024.5	-1	NE	1	b	35	97	6	–	–	0	CiSt	2	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1023.8	-1	ENE	4	b	40	85	7	–	–	0	–	0	•
Scilly (St. Mary's) ...	1021.5	0	E'S	4	b	45	75	7	4000	StCu	3	–	3	•
Falmouth (Pendennis)	1021.9	-2	E	5	b	46	75	7	–	–	0	–	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1022.1	-2	ENE	5	bc+	43	92	7	–	–	0	CiCu	4	•
Southampton (Ca. shot)	1022.6	-2	NE	4	b	41	85	8	–	–	0	–	0	•
Dungeness	1022.8	0	E	4	b	43	85	7	–	–	0	–	0	•
Jersey 7h }	1020.2	-1	ENE	6	b	45	92	6	5/00	StCu	1	–	1	•
Guernsey 1h }														

Observations at 0700 G.M.T. 19th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1031.5	0	SSW	1	b	39	97	7	–	–	0	ACu	1	0
Stornoway	1029.6	-1	–	0	b	31	92	7	–	–	0	–	0	0
Wick	1029.4	-1	S	1	fog	40	97	2	<150	St	10	–	10	0
Castlebay	1028.5	-1	ENE	3	bc	43	85	8	4000	Cu	2	ASt	6	2
Nairn	1029.9	•	–	0	bc+	27	75	8	4000	Cu	2	Ci	2	•
Aberdeen	1031.6	-1	W	1	ffac	34	97	2	–	–	0	CiSt	•	0
Malin Head	1026.9	-1	ESE	5	b	43	92	7	–	–	0	ACu	2	3
Renfrew	1030.8	-1	NE	2	o	35	97	7	2500	St	10	–	10	•
Edinburgh (Inchkeith)	1031.5	-1	ESE	1	mo	36	97	6	–	St	10	–	10	1
Leuchars	1031.0	-1	NNW	1	ffo	34	97	3	<150	St	10	–	10	•
Eskdalemuir	1030.3	-2	N	3	o	35	97	6	450	St	10	–	10	•
Tynemouth	1029.5	-3	ENE	2	b-	41	92	8	–	–	0	ACu	3	0
Blacksod Point ...	1023.7	0	S'E	5	bc+	46	75	8	–	CuNb	5	–	5	9
Donaghadee	1027.7	-2	E	3	b+	42	85	8	–	–	0	ACu	2	3
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1025.6	-1	ENE	5	b	41	97	7	4000	StCu	3	–	3	5
Liverpool (Bidston) ...	1025.5	-2	ENE	4	b	39	92	4	–	–	0	–	0	4
Chester (Shotwick) ...	1026.0	-2	NE	1	o+	35	92	4	1500	St	9	–	9	•
Spurn Head	1027.1	-1	NE	4	b	42	92	7	–	–	0	–	0	3
Nottingham	1026.0	-1	ENE	3	o	39	97	6	1500	St	10	–	10	•
Cranwell	1026.4	-2	NE'E	2	mmo	36	97	5	450	St	10	–	10	•
Gorleston	1025.3	-1	E'S	4	b	41	92	7	–	–	0	ACu	2	1
Valencia (Cahirciveen)	1021.8	-1	N'E	3	mmo	44	85	6	4000	St	10	–	10	0
Roches Point	1022.2	-1	E	4	o	43	92	7	2500	StCu	10	–	10	3
Pembroke (St. Ann's H.)	1022.1	-1	ENE	4	bc	40	85	7	2500	StCu	4	–	4	3
Ross-on-Wye	1024.0	0	ENE	4	o	38	92	6	1500	St	10	–	10	•
Benson...	1023.1	-1	ENE	3	bc	35	97	5	–	St	5	–	5	•
Andover	1022.4	-1	NE'E	5	o+	38	92	6	800	StCu	10	–	10	•
S. Farnborough ...	1023.0	0	ENE	2	ffo	37	92	3	1000	St	10	–	10	•
London (Kew Obsy.) ...	1023.1	0	NNE	2	o	38	85	6	2500	StCu	9	–	9	•
Croydon	1022.9	-1	NE	1	o+	38	97	4	450	St	10	–	10	•
Clacton-on-Sea ...	1023.4	-2	ENE	4	b	42	85	6	1500	Cu	3	–	3	0
Shoeburyness	1023.4	-1	E'N	3	b/m	41	85	7	5/00	StCu	1	–	1	•
Grain	1023.4	0	E	4	c+	42	85	6	1500	St	8	–	8	0
Lympne	1022.3	-1	NE	3	b	37	92	5	–	–	0	–	0	•
Scilly (St. Mary's) ...	1019.5	-1	E'N	4	o	44	97	6	4000	StCu	10	–	10	4
Falmouth (Pendennis)	1021.1	-1	E	6	o+	43	75	6	4000	St	9	–	9	4
Plymouth (Cattewater)	1019.6	-1	ENE	4	b	41	97	6	2500	StCu	1	–	1	0
Portland Bill	1022.2	-3	NE'E	5	b-	41	92	6	–	–	0	–	0	4
Southampton (Ca. shot)	1021.4	-1	NE	4	b	38	92	6	–	–	0	–	0	0
Dungeness	1021.6	-1	E	4	b	41	92	7	–	–	0	–	0	4
Jersey 7h }	1017.8	-1	ENE	3	b	43	85	7	–	–	0	–	0	3
Guernsey 1h }														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 17-18	Temperature. Max. Day. 18	Rainfall.† Night 17h.-9h. 17-18	Rainfall.† Day 9h.-17h. 18	Sunshine. Sunrise to 17h. 18	Sunshine. Sunrise to Sunset. 17
			°F.	°F.	mm.	mm.	hr.	hr.
Montrose	*	*	37	43	–	–	4·6	8·6
Llandudno	cbc	cbb	38	50	–	–	4·4	4·7
Colwyn Bay ...	bc	bc	38	50	–	–	7·8	5·3
Rhyl...	bc	bc	36	52	–	–	6·4	7·8
Southport	bcbc	bcbbc	36	54	–	–	5·5	10·2
Blackpool	c	bcc	38	53	–	–	4·1	8·5
Ilkley	oc	bcb	35	50	–	–	5·1	7·4
Harrogate	b	b	32	49	–	–	6·6	7·9
Skegness	b	b	40	45	–	–	8·9	8·7
Aberystwyth ...	cbb	b	41	54	–	–	10·0	5·5
Bath	oc	bcb	39	51	–	–	6·5	1·6
Leamington Spa ...	•	•	39	49	–	–	7·2	3·7
Lowestoft	b	b	41	46	–	–	10·4	7·2
Felixstowe	b	b	42	45	–	–	9·9	9·0
Southend	bcq	bcq	39	47	–	–	7·3	8·0
Ilfracombe	bcb	bb	42	48	–	–	7·5	3·2
Bude	bbcb	bbcb	40	53	–	–	9·5	8·0
Penzance	bb	bc	47	54	–	–	8·9	7·7
Paignton	bbbc	cbcq	39	51	–	–	7·0	4·5
Torquay	b	b	40	51	–	–	8·3	5·1
Weymouth	b	bcc	38	52	–	–	8·6	5·3
Bournemouth ...	b	b	38	52	–	–	9·0	2·7
Portsmouth (S'thsea)	b	bbc	40	53	–	–	9·0	6·4
Worthing	b	bbc	40	52	–	–	8·7	7·3
Brighton	b	bbc	38?	47?	–	–	9·4	9·0
Eastbourne	bbc	b	39	47	–	–	9·1	8·7
Hastings	bcb	bcb	39	47	–	–	9·1	9·6
Folkestone	b	b	40	49	–	–	7·8	8·0
Tunbridge Wells ...	b	bbc	38	49	–	–	7·8	8·2
Ramsgate	bcb	bnm	40	46	–	–	8·4	7·5
Margate	b	b	40	46	–	–	8·7	8·8
Deal	bb	bb	41	47	–	–	8·7	8·7

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22398 Tuesday 20th March 1923. Page 1.

Observations at 1300 G.M.T. 19th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1030.8	-1	SSW	2	b	45	85	8	-	-	0	-	0	•
Stornoway	1028.5	-1	SE	2	b+	50	75	7	4000	Cu	2	-	2	•
Wick	1029.5	0	ESE	1	b-	44	97	8	-	-	0	Ci	3	•
Castlebay	1027.3	-2	ENE	4	bc	48	75	8	4000	StCu	3	ASt	6	•
Nairn	*	*	*	*	*	*	*							•
Aberdeen	1030.7	-1	SE	1	bc⊛	48	75	6	4150	St	1	C.St	6	0
Malin Head	1025.0	-3	E	3	b	46	92	7	-	-	0	ACu	2	•
Renfrew	1028.2	-3	E	1	c-	47	75	5	-	-	0	Ci	8	0
Edinburgh (Inchkeith)	1029.7	-1	E	2	o/+	40	85	7	*	St	4	ASt	10	•
Leuchars	1029.8	-2	E	2	mo+	39	97	5	225	St	10	-	10	0
Eskdalemuir	1027.3	-2	NE	4	c	45	65	8	4000	Cu	1	Ci	8	0
Tynemouth	1028.4	-1	ENE	2	bc	43	85	8	4000	Cu	1	CiCu	4	•
Blacksod Point	1021.0	-3	SE	4	c+	48	75	8	—	CuNb	8	-	8	•
Donaghadee	1025.6	-1	E	3	b+	46	85	8	-	-	0	C.St	2	•
Birr Castle	1022.7	*	SE	1	c-	46	75	8	4000	StCu	8	-	8	•
Holyhead	1023.0	-3	E'N	5	b-	47	35	6	-	-	0	-	0	0
Liverpool (Bidston)	1022.7	-4	ENE	4	b	50	65	4	2500	Cu	2	-	2	•
Chester (Shotwick)	1023.1	-4	E	4	bc-	54	55	6	4000	Cu	4	-	4	5
Spurn Head	1025.5	-2	ENE	4	c⊛	48	85	7	4000	Cu	1	Ci	8	•
Nottingham	1023.3	-2	ENE	4	bc	47	75	8	1500	Cu	5	Ci	6	•
Cranwell	1024.5	-2	E	4	o+	46	75	8	2500	StCu	9	-	9	0
Gorleston	1024.3	0	E'S	4	c+	43	75	7	-	-	0	CiCu	7	•
Valencia (Cahirciveen)	1019.9	-2	ENE	3	c-	45	75	7	2500	StCu	8	-	8	•
Roches Point	1020.7	-1	E	4	o	45	85	7	2500	StCu	10	-	10	•
Pembroke (St. Ann's H.)	1020.3	-2	ENE	4	bc	49	75	7	4000	Cu	4	-	4	•
Ross-on-Wye	1021.4	-3	ENE	4	b	48	65	7	4000	Cu	3	-	3	0
Benson	1020.5	-3	ENE	3	bc	48	65	7	*	Cu	5	Ci	6	1
Andover	1020.0	-2	NE	4	bc-	49	65	6	2500	Cu	6	-	6	0
S. Farnborough	1020.4	-3	ENE	3	c+	50	65	6	2500	Cu	8	-	8	1
London (Kew Obsy.)	1021.1	-3	ENE	4	c	47	65	6	4000	StCu	7	CiSt	8	1
Croydon	1021.4	-2	NE'E	4	c⊛	47	75	6	1500	Cu	3	CiSt	8	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*		•
Shoeburyness	1022.2	-1	E	4	bc+	45	75	7	4000	StCu	4	ASt	6	•
Grain	1021.9	-2	ENE	5	o	44	75	7	1500	St	2	ASt	10	2
Lympne	1020.4	-2	ENE	4	o⊛	47	65	7	-	-	0	C.St	9	1
Scilly (St. Mary's)	1018.0	-1	E	4	bc-	51	75	6	4000	Cu	5	-	5	•
Falmouth (Pendennis)	1018.6	-2	E	4	o+	45	85	8	4000	StCu	9	-	9	•
Plymouth (Cattewater)	1018.1	-2	E	4	b	48	85	7	-	-	0	-	0	0
Portland Bill	1018.3	*	E	5	b+	47	92	7	-	-	0	C.St	2	•
Southampton (Calshot)	1019.2	-4	E	4	b	51	65	8	-	-	0	-	0	0
Dungeness	1020.5	-1	E	4	bc+	47	92	7	-	-	0	CiCu	3	•
Jersey	1016.3	-1	E	3	bc+	54	75	7	-	-	0	A.Cu	4	•

Observations at 1800 G.M.T. 19th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1030.0	0	SSW	1	b	44	85	8	-	-	0	-	0	0
Stornoway	1025.6	-1	ENE	1	b+	47	92	7	-	-	0	Ci.St	3	0
Wick	1028.1	-1	SSE	2	b	42	92	8	-	-	0	Ci	2	0
Castlebay	1024.8	-2	NE	3	c+	51	65	8	4000	StCu	7	-	7	2
Nairn	1026.5	*	E	1	c+	39	92	7	1500	St.	3	Ci.Cu	7	•
Aberdeen	1029.4	-1	ESE	2	o	39	92	7	1500	St.	10	-	10	0
Malin Head	1023.2	-2	E	4	bc+	48	85	7	-	-	0	Ci.Cu	4	3
Renfrew	1026.6	0	ENE	4	o	42	83	5	-	-	0	A.Cu	10	•
Edinburgh (Inchkeith)	1027.5	-2	ENE	4	o	38	92	8	*	St	3	A.St	10	3
Leuchars	1027.9	-2	E	3	o	39	95	7	450	St.	10	-	10	•
Eskdalemuir	1026.4	-0	NE'N	4	c	39	85	7	2500	StCu	1	A.Cu	7	•
Tynemouth	1026.4	-1	E	3	bc	43	92	7	4000	CuNb	2	Ci	6	2
Blacksod Point	1021.4	+2	E	2	b-	44	75	3	—	Cu	1	—	1	0
Donaghadee	1023.1	-2	E	3	bc	47	85	8	-	-	0	Ci.St	5	3
Birr Castle	1021.7	*	E	1	bc-	45	75	6	4000	StCu	6	-	6	•
Holyhead	1020.5	-1	ENE	5	bc+	47	85	6	2500	StCu	3	Ci.St	5	5
Liverpool (Bidston)	1021.3	-2	ENE	4	bc	48	92	4	2500	St.	3	A.St	5	5
Chester (Shotwick)	1021.5	0	E	3	o⊛	46	75	6	-	-	0	Ci.St	10	•
Spurn Head	1024.0	-1	ENE	5	o+	43	92	7	2500	StCu	10	-	10	4
Nottingham	1022.6	0	ENE	4	o+	42	85	7	2500	StCu	8	Ci.St	9	*
Cranwell	1023.3	0	E'N	3	o	41	85	7	1500	StCu	10	-	10	•
Gorleston	1022.8	-1	E'S	3	c	42	92	6	4000	Nb	2	Ci.Cu	8	4
Valencia (Cahirciveen)	1019.0	0	ESE	2	o	45	85	7	2500	StCu	10	-	10	1
Roches Point	1019.6	0	E	3	bc	43	97	6	2500	StCu	4	-	4	3
Pembroke (St. Ann's H.)	1019.1	-1	E	1	b	45	85	7	-	-	0	-	0	2
Ross-on-Wye	1020.2	-1	E'N	2	c	46	75	7	4000	Cu	4	Ci	7	•
Benson	1020.6	0	ENE	3	bc	45	75	7	*	-	0	A.St	5	•
Andover	1019.4	-1	NE'E	4	bc	45	75	6	-	-	0	Ci	5	•
S. Farnborough	1019.6	0	ENE	2	bc	44	75	6	-	-	0	Ci	6	•
London (Kew Obsy.)	1020.4	0	ENE	3	o	44	75	5	2500	St.	10	-	10	•
Croydon	1020.6	0	ENE	3	o+	42	85	6	1500	StCu	8	Ci.St	10	•
Clacton-on-Sea	1020.7	0	ENE	3	c⊛	43	85	6	-	-	0	Ci.St	7	1
Shoeburyness	1021.1	-1	ENE	4	b	42	85	7	-	-	0	A.St	2	•
Grain	1020.7	0	ENE	5	c-	43	85	6	-	-	0	Ci.St	7	0
Lympne	1020.2	+1	NE'N	4	o	42	85	5	-	-	0	A.St	10	•
Scilly (St. Mary's)	1017.2	0	E	3	c+	48	85	6	4000	StCu	8	-	8	3
Falmouth (Pendennis)	1016.7	-2	E	5	c-	47	75	7	4000	StCu	6	A.Cu	8	4
Plymouth (Cattewater)	1017.5	+1	ENE	3	bc-	47	85	8	4000	StCu	3	A.Cu	4	0
Portland Bill	1018.0	-2	E'N	5	b	47	92	7	-	-	0	Ci.St	2	4
Southampton (Calshot)	1018.7	0	E'S	3	b	45	85	6	-	-	0	Ci	1	0
Dungeness	1019.3	-1	E	4	bc	45	91	7	-	-	0	Ci	4	4
Jersey	1015.0	-1	ENE	3	bc	49	75	7	4000	StCu	4	A.Cu	5	3

24 Hours ended 0900 G.M.T. 20th.

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day
Kew (24 hours ended 0700)	bcmcz	czo3	ozmbyo	*	*	24	-	Tr.	2.9	*	*
Croydon (24 hours ended 0700)	obcc⊛	co⊛ym	omf	*	*	34	-	-	5.0	*	*
Greenwich (Royal Obsy.)	bc	o⊛	obwmf	51	32	28	-	-	3.9	68	95
City (Bunhill Row)	*	*	*	*	*	*	*	*	1.1	*	*
Westminster (St. James' Pk.)	*	*	*	50	35	28	-	-	3.2	66	91
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	1.3	*	*
Camden Square	c	c	*	50	34	30	-	-	*	*	99
Kensington Palace	o	o	*	49	31	24	-	-	*	79 (18h)	91
Hampstead Observatory	*	*	*	44	?	26	-	Tr.	2.9	*	100

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 19th.

	Max.	Time.	Min.	Time.
South Kensington	-	-	-	-
Kew Observatory	0.5 / 0.9	20h. 18th / 9h. 19th	0.3	4h. 19th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 19th 19 h. 00 m. to 20th 05 h. 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10 15	03 58	39
δ Ursae Minoris	10 15	03 46	36

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	C	5	9	140
18h.	C	6	-	170
9h.	C	5	-	130
07h.	C	6	-	150

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

20th & 21st March, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.58 / 5.56	12.1 / 12.0	6.3 / 6.4
Greenwich	6.5 / 6.3	12.8 / 12.7	6.10 / 6.11
Wick	6.18 / 6.16	12.20 / 12.19	6.21 / 6.23
Valencia	6.46 / 6.44	12.49 / 12.48	6.51 / 6.52

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather. A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
r₀r₀ = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

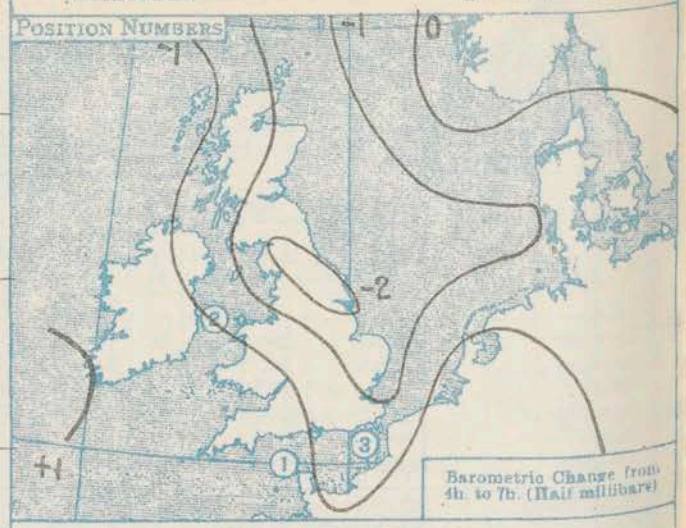
[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 19th	13h.-18h. 19th	18h. 19th to 1h. 20th	1h.-7h. 20th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 19th Hours.
Lerwick	b	b.bc	b	F	47	36	•	–	–	–	–	10·6
Stornoway	b-bc	b.bc	bbc	b	51	31	•	–	–	–	–	8·1
Wick	oFF	b.bc	bbc	bbc	45	34	•	–	–	–	–	•
Castlebay	coc	c	cb	bc	51	42	•	–	–	–	–	8·6
Nairn	bcm	bccm	bcxmo	om	41	30	•	–	–	–	–	5·3
Aberdeen	bcfm	c	om	om	48	34	33	–	–	–	–	4·0
Malin Head	bc3	bc3	bc3	bc3	48	38	•	–	–	–	–	10·2
Renfrew	omzc	co3m	omc	cm	48	34	32	–	–	–	–	4·3
Edinburgh (Inchkeith)	m	oo	c	o	42	34	34	–	–	–	–	1·1
Leuchars	afbcmom	omo	co	co	42	32	23	–	–	–	–	2·6
Eskdalemuir	oc	c	cbcco	oomo	48	32	28	–	–	–	–	6·5
Tynemouth	b-bc	c	bbc	bcm	46	41	36	–	–	–	–	•
Blacksod Point ...	c	b-bc	oo	oo	51	37	•	–	–	–	–	•
Donaghadee	b	bc	bcq	bcq	49	42	•	–	–	–	–	•
Birr Castle	co	co3	bcfx		50	30	29	–	–	–	–	4·9
Holyhead	bcbm	b.bcm	bb	bcbc	50	38	36	–	–	–	–	8·8
Liverpool (Bidston) ...	bcbm	bcm	bcm		51	34	31	–	–	–	–	6·2
Chester (Shotwick) ...	ambc3	bcz3o3	o3com	oocm	54	34	27	–	–	–	–	6·1
Spurn Head	bbcc	c	bbc	bbc	48	40	•	–	–	–	–	3·5
Nottingham	c	c	co	om	49	34	33	–	–	–	–	5·0
Cranwell	obbc	co	bo	bF	48	35	33	–	Trace	–	<2100	7·4
Gorleston	bbqc	c	bw	bwbc3	43	41	35	–	–	–	–	8·5
Valencia (Cahirciveen)	o3c	co3	b	ombmx	48	34	30	–	–	–	–	0·9
Roches Point	ocbcm	bm	b		45	39	–	–	–	–		
Pembroke (St. Ann's H.)	b-bc	b.bc	bbc	bbc	50	37	•	–	–	–	–	3·2
Ross-on-Wye	ocobc	bcc	bcbbccm	bcom	50	36	36	–	–	–	–	4·2
Benson...	bc	bc	bc	ofc	51	34	32	–	Trace	–	–	•
Andover	ocbcm	bcm	bcmb	bbcom	51	36	30	–	–	–	–	7·5
S. Farnborough ...	ofomc	cbcm	bcbm	oF	52	35	30	–	–	–	–	6·2
London (Kew Obsy.) ...	bcmc3	c3o3	o3mbmw	bmwoffx	49	32	27	–	Trace	–	–	2·9
Croydon	obcc⊕	co⊕3m	omf	oF	48	36	34	–	–	–	–	5·0
Clacton-on-Sea ...	bcm	bccm	ambcm	bcmx	46	39	31	–	–	–	–	4·9
Shoeburyness	bbc	bcb	b	bfxw	47	32	25	–	0·1	–	–	6·4
Grain	coco	ooc	cbcb	bcmw	45	38	33	–	0·1	–	–	2·9
Lympne	bmc	omm	obm	bmwx	48	36	31	–	Trace	–	–	8·2
Scilly (St. Mary's) ...	ocm	bcmc	ocm	com	51	45	•	–	–	–	–	4·5
Falmouth (Pendennis)	omco	oc	cbcb	bcom	47	42	•	–	–	–	–	3·4
Plymouth (Cattewater)	b-bc	b	bcb	bbcm	50	40	31	–	–	–	–	3·9
Portland Bill	bbc	bc	bc	bc	48	39	•	–	–	–	–	•
Southampton (Calshot)	b	bbm	b	bbcof	51	37	35	–	–	–	–	9·8
Dungeness	c	c	bbc	bbc	48	41	•	–	–	–	–	•
Jersey	b	bc	bw	bw	55	40	•	–	–	–	–	7·0

ISALLOBARS.

20th March 1923.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	19th 10h	Hibernia	ENE	6	bcm	45	47	6
3	20th 3h	Arundel	E	2	bc†	46	48	7

GENERAL INFERENCE.

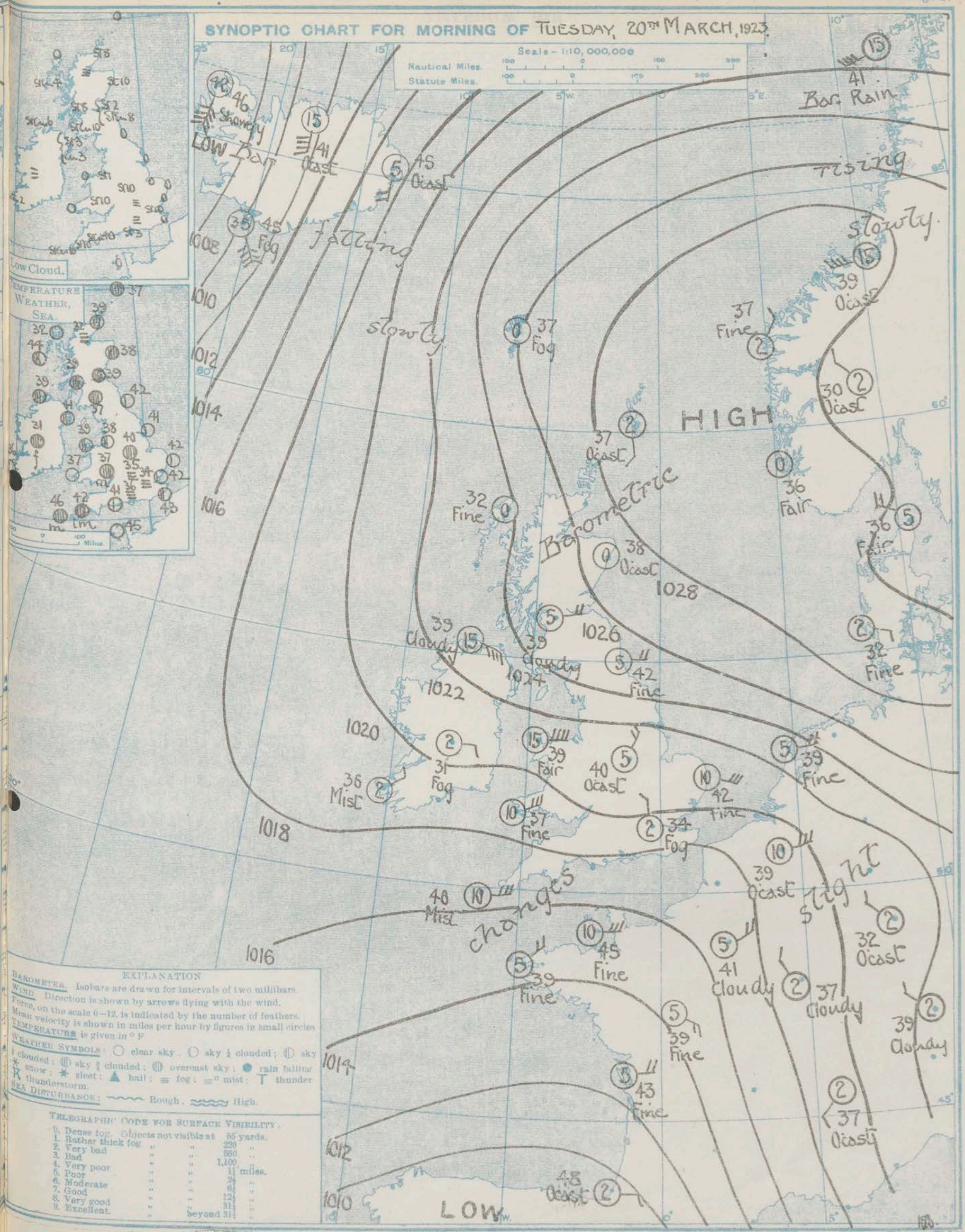
The anticyclone centred over the Northern North Sea will maintain rather cold easterly winds over the British Isles with fair weather. Some morning mist or fog is likely in many places and frost will occur locally at night.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 20th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light or moderate easterly winds; fair; morning mist or fog in places; rather cold, frost in places at night.	Fair conditions continuing for a day or two. -------
~~14. N. & N.W. Scotland~~ 15. Hebrides 16. Orkneys and Shetlands	Wind mainly S.E., light; fair; mist or fog in places; rather cold, frost locally.	
~~17. N.W. Ireland~~ 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 1 to 13.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0850 GMT. G. C. SIMPSON, F.R.S., Director.

Wt. 2096/680. Wt. 256. D.7348/P.x.1676. 11625. 3/23

† For Code see opposite page.



H.M.S.O. Press, Kingsway, W.C.2

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION. Tuesday 20th March 1923. No. 79

Observations at 0100 G.M.T. 20th

Stations	Barom. at M.S.L. (m.b)	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.§	Temp. °F.	Humidity, %	Visibility.§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1029.2	-1	-	0	b	39	92	4	-	-	0	-	0	•
Stornoway	1025.4	-1	-	0	b-	•	•	6	•	•	•	•	•	•
Wick	1027.5	-1	SSE	2	b-	38	97	8	4000	Cu	3	-	3	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1022.8	0	E	5	b	43	85	4	5700	StCu	2	-	2	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1026.8	-2	ENE	3	bc-	40	92	8	-	StCu	2	ASt	4	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1025.3	-2	E	3	c+	41	92	4	-	-	0	ASt	4	•
Blacksod Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1021.4	+1	E'N	4	b	41	85	4	-	-	0	-	0	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1023.1	0	ENE	3	b	41	92	4	-	-	0	-	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1022.8	-2	NE'N	3	bc	36	94	6	2500	St	5	-	5	•
Gorleston	1021.6	-1	E	4	b	42	92	4	-	-	0	-	0	•
Valencia (Cahirciveen)	1019.3	0	SE	2	b	40	97	8	-	-	0	-	0	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1019.4	0	ENE	3	b	41	97	4	4000	StCu	3	-	3	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	34	•	•	•	•	•	•	•	•
Croydon	1019.9	-1	NE	2	ffo	38	94	3	450	St	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1018.6	-1	NE	3	b	38	92	5	-	-	0	-	0	•
Scilly (St. Mary's)	1016.6	-1	E'S	3	bc	46	92	4	4000	StCu	6	-	6	•
Falmouth (Pendennis)	1016.4	0	E	5	b	46	85	4	-	-	0	-	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1017.3	-3	ENE	6	b	42	85	6	-	-	0	CiSt	2	•
Southampton (Ca.shot)	1018.4	-2	NNE	3	b	39	92	4	-	-	0	-	0	•
Dungeness	1018.0	-1	E	3	b	43	97	4	-	-	0	-	0	•
Jersey 7h	1017.5	0	ENE	3	bc+	46	97	6	-	-	0	ACu	6	•
Guernsey 1h														

Observations at 0700 G.M.T. 20th

Stations	Barom. at M.S.L. (m.b)	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.§	Temp. °F.	Humidity, %	Visibility.§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1028.2	-1	S	1	o/f	34	94	4	-	-	0	ASt	10	0
Stornoway	1023.8	0	-	0	b	32	97	6	-	-	0	ASt	2	0
Wick	1026.1	-1	S	3	c+	39	97	8	800	St	8	-	8	0
Castlebay	1023.4	0	SE	4	c	44	75	8	4000	StCu	4	ASt	4	4
Nairn	1026.1	•	-	0	ffo	32	85	2	1500	St	10	-	10	•
Aberdeen	1027.5	0	-	0	o	38	92	6	1500	St	10	-	10	0
Malin Head	1022.1	0	ESE	4	c+	39	92	8	5700	StCu	6	Ci	4	3
Renfrew	1024.8	-1	E	2	c	39	85	6	2500	St	8	-	8	•
Edinburgh (Inchkeith)	1025.0	-1	ENE	4	o	39	92	8	-	StCu	10	-	10	3
Leuchars	1025.8	-1	NNE	1	o	38	97	4	1500	StCu	10	-	10	•
Eskdalemuir	1024.6	-2	NE	4	o	34	85	6	1500	StCu	10	-	10	•
Tynemouth	1024.3	0	E	2	b	42	94	6	-	-	0	ACu	3	1
Blacksod Point	1020.2	+2	SE	4	o	41	92	7	-	-	0	ASt	10	0
Donaghadee	1022.1	-1	E	4	bc+	41	92	8	1500	St	6	-	6	4
Birr Castle	1020.2	•	E	1	fo-	31	97	2	<150	St	10	-	10	•
Holyhead	1020.4	0	E	4	bc+	39	85	8	-	-	0	CiSt	6	5
Liverpool (Bidston)	1021.5	-1	E'N	2	bc	38	85	4	-	-	0	ACu	4	3
Chester (Shotwick)	1021.4	0	ENE	2	c-	36	92	5	2500	St	1	CiSt	4	•
Spurn Head	1021.4	-2	ENE	4	b	41	97	6	-	-	0	CiSt	2	3
Nottingham	1020.8	-1	NE	2	o	40	94	5	2500	St	10	-	10	•
Cranwell	1021.3	0	NE	3	ffb	36	94	2	-	-	0	-	0	•
Gorleston	1020.9	-1	E'S	3	b	42	92	6	-	-	0	CiSt	3	1
Valencia (Cahirciveen)	1018.9	+1	NE'E	1	mmb	36	85	6	5700	StCu	2	-	2	0
Roches Point	1019.6	0	ESE	3	b	42	92	6	4000	Cu	3	-	3	3
Pembroke (St. Ann's H.)	1018.9	0	ENE	3	b	37	92	4	-	-	0	-	0	3
Ross-on-Wye	1020.1	0	NE'E	2	mmo	34	92	5	450	St	10	-	10	•
Benson	1019.3	0	NE	2	ffo	35	94	2	-	St	10	-	10	•
Andover	1019.0	-1	NE	3	o+	36	94	5	450	St	10	-	10	•
S. Farnborough	1018.8	0	ENE	1	Ffo	36	94	1	450	St	10	-	10	•
London (Kew Obsy.)	1019.1	0	N	1	Ffo	34	97	1	220	St	10	-	10	•
Croydon	1019.0	-1	NNE	2	ffo	36	94	2	<150	St	10	-	10	•
Clacton-on-Sea	1018.4	-1	E	3	b	42	92	6	-	-	0	CiSt	3	0
Shoeburyness	1018.4	-1	NE	1	ffb	35	85	3	5700	StCu	1	ACu	3	•
Grain	1018.8	-1	NE	3	c	39	97	5	-	-	0	ACu	4	0
Lympne	1018.0	-1	NE	3	bc	34	92	4	-	-	0	ACu	4	•
Scilly (St. Mary's)	1016.6	0	E	3	mmo	46	92	6	4000	StCu	10	-	10	3
Falmouth (Pendennis)	1017.4	+2	-	0	lmo	42	85	6	450	St	10	-	10	1
Plymouth (Cattewater)	1016.8	+1	ENE	2	bc	41	97	5	2500	StCu	4	-	4	0
Portland Bill	1016.2	-2	ENE	5	b	41	92	6	-	-	0	CiCu	2	4
Southampton (Ca.shot)	1018.1	-1	N	3	bc/f	34	94	4	800	St	3	ACu	4	0
Dungeness	1017.5	-1	E	2	bc	43	94	6	-	-	0	ACu	4	3
Jersey 7h	1015.4	0	E	3	b	45	85	4	-	-	0	-	0	3
Guernsey 1h														

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

Stations	Weather Fore-noon	Weather After-noon	Temperature Min. Night 18th °F.	Temperature Max. Day 19th °F.	Rainfall.† Night 17h.-9h. 18th-19th mm.	Rainfall.† Day 9h.-17h. 19th mm.	Sunshine Sunrise to 17h. 19th hr.	Sunshine Sunrise to Sunset 18th hr.
Montrose	-	-	29	40	0.1	-	1.6	5.4
Llandudno	b	bc	39	52	-	-	4.7	4.5
Colwyn Bay	bc	bc	37	51	-	-	6.4	7.9
Rhyl	cbc	bc	35	53	-	-	4.8	6.4
Southport	bcb	bbccm	35	54	-	-	7.0	5.5
Blackpool	bc	bco	37	54	-	-	7.2	4.5
Ilkley	bbc	b	36	52	-	-	6.1	5.1
Harrogate	b	bbc	32	50	0.2	-	8.2	6.6
Skegness	b	bo	40	45	-	-	7.2	6.6
Aberystwyth	cbb	b	39	52	-	-	8.0	10.3
Bath	ocbcb	cbcb	37	51	-	-	5.9	6.5
Leamington Spa	c	c	36	50	-	-	4.5	7.2
Lowestoft	b	bco	40	45	-	-	8.8	10.5
Felixstowe	bc	om	41	45	-	-	5.5	10.1
Southend	cbc	co	37	47	-	-	4.9	7.5

Stations	Weather Fore-noon	Weather After-noon	Temperature Min. Night 18th °F.	Temperature Max. Day 19th °F.	Rainfall.† Night 17h.-9h. 18th-19th mm.	Rainfall.† Day 9h.-17h. 19th mm.	Sunshine Sunrise to 17h. 19th hr.	Sunshine Sunrise to Sunset 18th hr.
Ilfracombe	ocbc	bcb	40	48	-	-	6.0	7.5
Bude	wdb	b	35	53	-	-	9.3	9.5
Penzance	bc	bcco	41	51	-	-	4.1	9.6
Paignton	bq	bccoq	42	49	-	-	7.7	6.9
Torquay	b	b	42	51	-	-	8.5	8.3
Weymouth	b	bcc	36	53	-	-	8.2	8.6
Bournemouth	b	b	35	51	-	-	8.9	9.2
Portsmouth (S'thsea)	b	b	37	54	-	-	9.7	9.0
Worthing	b	b	37	53	-	-	10.7	8.7
Brighton	b	b	39	56	-	-	10.0	9.4
Eastbourne	b	b	36	49	-	-	9.7	9.1
Hastings	b	bbc	37	48	-	-	10.5	9.1
Folkestone	b	b	38	47	-	-	5.9	7.5
Tunbridge Wells	b	bbm	34	51	-	-	8.3	7.8
Ramsgate	bcbbc	bcm	40	45	-	-	3.6	7.5
Margate	b	o	40	44	-	-	3.9	8.7
Deal	b	bbcco	41	47	-	-	4.0	8.7

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 1. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22399 Wednesday, 21st March 1923.

Observations at 1300 G.M.T. 20th.

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1027.8	-2	SSW	2	bc-	39	92	7	2500	Sr	3	Ci.Cu	5	•
Stornoway	1022.9	-1	SE	2	b-	52	65	7	-	-	0	-	0	•
Wick	1025.4	-2	S	3	bc	43	92	8	1500	Sr	6	•	6	•
Castlebay	1023.2	0	S.E	4	c+	45	85	8	800	Nb	8	•	8	•
Nairn	•	•	•	•	•	•	•							•
Aberdeen	1026.8	-2	E	2	o	44	85	7	800	Sr	10	-	10	0
Malin Head	1021.6	0	ESE	4	o	44	85	8	5700	StCu	9	-	9	•
Renfrew	1023.5	-2	ENE	3	o	45	85	6	4000	StCu	9	-	9	0
Edinburgh (Inchkeith)	1024.0	-4	ENE	4	b-	41	85	8	*	Cu	3	-	3	•
Leuchars	1024.7	-2	NE	3	b-	45	85	7	800	StCu	3	-	2	0
Eskdalemuir	1022.5	-2	E	4	c	47	65	7	2500	Cu	7	-	7	0
Tynemouth	1023.9	0	E	1	c+	45	92	6	4000	StCu	8	-	8	•
Blacksod Point	1019.4	-1	SE	3	o	47	55	7	—	StCu	10	—	10	•
Donaghadee	1021.7	0	E	3	b-	45	75	8	4000	CuNb	3	•	3	•
Birr Castle	1020.0	*	SE	1	c-	47	75	6	4000	Cu	8	•	8	•
Holyhead	1019.5	-2	ENE	5	b.	47	85	6	4000	Cu	1	-	1	0
Liverpool (Bidston)	1018.8	-3	ENE	3	bc+	48	65	3	1500	Cu	6	-	6	•
Chester (Shotwick)	1019.3	-3	E'S	3	bc+	51	65	6	4000	Cu	5	-	5	0
Spurn Head	1021.1	0	NE'E	3	b	48	75	7	-	-	0	-	0	•
Nottingham	1018.9	-4	E	3	c	51	65	8	2500	Cu	4	ACu	7	•
Cranwell	1020.3	-1	E	3	bc	51	65	7	2500	Cu	3	ACu	4	0
Gorleston	1020.5	0	E'S	3	bc	46	75	6	-	-	0	CiSt	4	•
Valencia (Cahirciveen)	1019.1	0	WNW	1	c-	48	75	6	2500	StCu	7	-	7	0
Roches Point	1019.0	0	ESE	3	bc	47	85	6	4000	StCu	5	—	5	•
Pembroke (St. Ann's H.)	1018.1	-1	-	0	b	46	65	7	-	-	0	-	0	•
Ross-on-Wye	1018.5	-2	NE	2	bc-	47	75	6	4000	Cu	5	-	5	0
Benson	1017.9	-2	NNE	2	o/f	44	85	5	*	-	0	A.St	10	1
Andover	1017.8	-2	N'E	3	c-	44	85	6	1500	Sr	4	ACu	8	0
S. Farnborough	1018.1	-2	NE	1	fo-	45	85	3	800	Sr	10	-	10	0
London (Kew Obsy.)	1017.0	-2	E	9	FFo	46	85	1	4000	StCu	10	-	10	1
Croydon	1018.3	-2	NNE	1	o/r	47	85	4	800	StCu	10	-	10	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•			
Shoeburyness	1016.3	0	NE	2	or₀	45	85	3	2500	Sr	5	ASt	10	•
Grain	1018.2	-1	ENE	4	b-	45	85	6	5700	StCu	2	ACu	3	1
Lympne	1017.0	-2	ENE	3	c	50	75	6	2500	StCu	4	CiSt	7	1
Scilly (St. Mary's)	1017.0	0	E'S	2	mmo	49	85	6	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1018.6	0	ESE	2	o	46	85	6	4000	StCu	10	-	10	•
Plymouth (Cattewater)	1016.1	-2	E	2	b	52	75	6	4000	StCu	1	-	1	0
Portland Bill	1016.6	?	NE'E	4	b-	48	85	6	-	-	0	•	0	•
Southampton (Calshot)	1016.9	-2	E'S	2	o	50	75	6	5700	StCu	5	ACu	10	*
Dungeness	1018.3	0	E	4	bc	50	75	7	-	-	0	CiCu	5	•
Jersey	1014.9	0	ENE	4	b	54	75	7	4000	StCu	2	-	2	•

Observations at 1800 G.M.T. 20th.

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1026.0	-1	SW	2	c+	38	92	7	-	-	0	CiCu	7	1
Stornoway	?	-1	?	2	b+	45	92	7	-	-	0	A.St	2	1
Wick	1023.8	-1	SE	3	b	42	97	8	-	-	0	Ci	1	0
Castlebay	1021.4	-2	SE	4	mmb	45	85	6	2500	St.	2	-	2	4
Nairn	1023.2	*	-	0	b	42	85	8	-	-	0	-	0	•
Aberdeen	1025.4	-1	-	0	b	42	85	7	-	-	0	-	0	0
Malin Head	1020.4	0	E	2	b	45	92	7	-	-	0	-	0	3
Renfrew	1021.5	+1	ENE	3	b	47	75	5	7200	StCu	1	-	1	•
Edinburgh (Inchkeith)	1023.0	-1	E	3	b	43	92	7	-	St.	2	-	2	3
Leuchars	1023.5	0	NE	3	b	43	92	7	1500	St.	1	-	1	•
Eskdalemuir	1021.4	0	ENE	4	b	42	85	6	2500	StCu	1	-	1	•
Tynemouth	1022.2	-2	ESE	1	o	44	85	7	4000	StCu	10	-	10	1
Blacksod Point	1020.3	+2	NE'N	2	o	46	75	7	—	—	0	ASt	10	0
Donaghadee	1020.1	-1	N	3	b	45	92	8	1500	Cu	3	-	3	2
Birr Castle														•
Holyhead	1017.5	-1	ENE	3	b	46	92	5	-	-	0	-	0	2
Liverpool (Bidston)	1017.9	0	E	2	bc	49	65	4	4000	Cu	2	A.Cu	4	3
Chester (Shotwick)	1018.0	0	ENE	2	b	47	75	6	4000	StCu	3	-	3	•
Spurn Head	1020.2	-1	E	4	b	43	85	7	-	-	0	CiCu	1	3
Nottingham	1018.6	+1	E	3	b	46	85	7	-	-	0	CiCu	3	•
Cranwell	1019.5	0	ENE	2	b	44	85	6	-	-	0	A.Cu	1	•
Gorleston	1019.7	-1	E'N	3	bc	44	85	6	-	-	0	A.St	4	1
Valencia (Cahirciveen)	1019.6	+2	NW'W	1	c-	48	75	6	2500	StCu	8	-	8	1
Roches Point	1019.4	0	SE	1	b	43	92	6	4000	StCu	1	—	1	0
Pembroke (St. Ann's H.)	1017.4	0	NNE	3	b	44	75	7	-	-	0	-	0	3
Ross-on-Wye	1017.3	-1	E'N	1	mmbc	48	75	6	-	-	0	Ci.Cu	4	•
Benson	1017.2	0	N	1	bc	47	85	6	*	StCu	6	-	6	•
Andover	1017.1	0	NNE	2	o+	46	85	5	4000	StCu	10	-	10	•
S. Farnborough	1017.2	+1	-	0	mo	46	92	4	800	St.	10	-	10	•
London (Kew Obsy.)	1017.2	0	E	3	o	48	75	4	4000	StCu	10	-	10	•
Croydon	1017.6	+1	NE'E	2	o/r	45	85	5	2500	StCu	10	-	10	•
Clacton-on-Sea	1017.2	0	NE	2	c	47	85	6	5700	StCu	8	-	8	0
Shoeburyness	1017.5	-2	NE	1	fo+	43	92	4	2500	StCu	7	-	7	•
Grain	1017.4	0	NE	3	o-	45	92	6	4000	StCu	9	-	9	0
Lympne	1016.5	+1	NE'N	3	o	46	85	5	4000	StCu	9	-	9	•
Scilly (St. Mary's)	1016.5	0	-	0	o	47	85	6	4000	StCu	10	-	10	2
Falmouth (Pendennis)	1017.5	0	-	0	o₀fr₀	47	85	6	4000	StCu	8	-	8	0
Plymouth (Cattewater)	1016.5	+2	SW	1	c	47	97	6	4000	StCu	7	-	7	0
Portland Bill	1015.9	-3	NE	3	bc+	48	92	6	-	-	0	A.Cu	8	4
Southampton (Calshot)	1016.8	+1	NE	3	mo+	47	85	4	4000	StCu	5	A.Cu	9	0
Dungeness	1016.1	-1	ENE	3	c	47	85	6	-	-	0	CiCu	8	3
Jersey	1014.2	0	NE	4	b	52	75	7	4000	StCu	2	A.Cu	8	3

London Observations.	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass. °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset. hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
	24 Hours ended 0900 G.M.T. 21st										
Kew (24 hours ended 0700)	ofxof	ofo3	ofpofr	•	•	40	—	3	0.0	•	•
Croydon (24 hours ended 0700)	ofmfro	omz3p	obmfr	•	•	36	Tr.	2	0.8	•	•
Greenwich (Royal Obsy.)	bfo	oid	oirm	53	37	39	0.3	3	1.3	72	92
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	•	•	•	51	38	37	3		0.4	73	86
Regent's Pk. (Botanic Gdns).	•	•	•	•	•		•	•		•	•
Camden Square	m	b	•	52	37	38	—	4	•	•	92
Kensington Palace	o	or	•	50	40	38	0.3	4	•	91 (18h)	88
Hampstead Observatory	•	•	•	49	36	35	2	2	1.8	•	—

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1800 G.M.T. 20th.

	Max.	Time.	Min.	Time.
South Kensington	0.6	9h. 19th	0.3	4h. 20th
	1.3	11h. 20th		
Kew Observatory	0.5	21h. 19th	<0.3	7h. 20th
	1.3	13h. 20th		

Pole Star Record at Greenwich Obsy. Exposure from 20th 19 h. 00 m. to 21st 05 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	10 15	00 32	5
δ Ursae Minoris	10 15	00 10	2

Code for State of Ground.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Starting to dry in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	C	5	-	20
18h.	C	5	-	155
01h.	C	5	-	125
07h.	C	5	-	130

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 21st and 22nd March, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.56 / 5.54	12.0 / 12.0	6.4 / 6.6
Greenwich	6.3 / 6.1	12.4 / 12.4	6.11 / 6.13
Wick	6.16 / 6.13	12.19 / 12.19	6.23 / 6.25
Valencia	6.44 / 6.42	12.46 / 12.48	6.52 / 6.54

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
z unusual visibility. y dry air.
e dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather. A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; − = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r₀r₀ = continuous light rain.

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

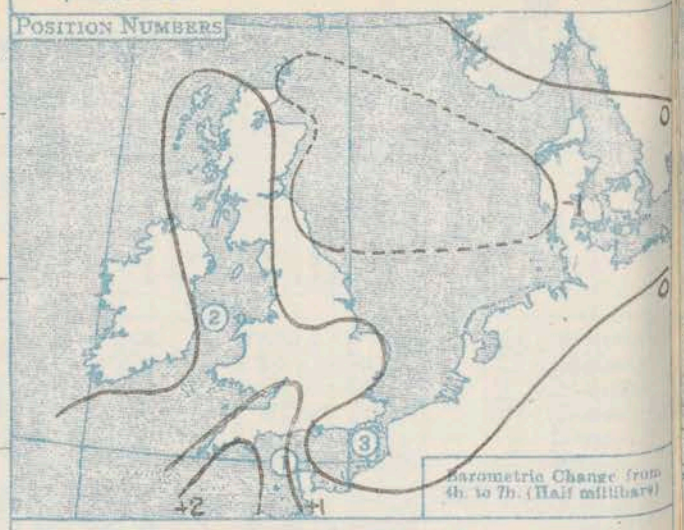
Sea Disturbance.
0=no swell, 1=mod. swell, 2=heavy swell — Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell — Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 20th	13h.-18h. 20th	18h. 20th to 1h. 21st	1h.-7h. 21st	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 20th Hours.
Lerwick	c	c	F	b	40	37	•	-	-	-	-	2.5
Stornoway	b-bc	b.bc	bbc	FFb	53	29	•	-	-	-	-	9.9
Wick	c	b.bc	bbc	c	43	40	•	-	-	-	-	•
Castlebay	cbco	obm	bmo	obcf	46	40	•	-	-	-	-	8.0
Nairn	mcbc	bcb	bx	bx	45	28	•	-	-	-	-	6.8
Aberdeen	oo	c	bbm	bmfx	47	32	27	-	-	-	-	4.3
Malin Head	bcz	cobc3	bcow	co3	46	36	•	-	-	-	-	3.7
Renfrew	co	obcb3	b3m3	bbcmx	50	27	20	-	-	-	-	3.7
Edinburgh (Inchkeith)	c	bc	b	c	47	37	30	-	Trace	-	-	6.8
Leuchars	ocbc	b.bc	bb	bbcco	52	35	24	-	-	-	-	5.7
Eskdalemuir	oc	b.bc	b	bbccx	50	31	27	-	-	-	-	4.8
Tynemouth	cm	om	om	om	47	41	33	-	-	-	-	•
Blacksod Point	oo	oo	r-d		51	33	•	-	0.5	-	-	•
Donaghadee	bc	bc	bc	bc	48	41	•	-	-	-	-	•
Birr Castle	tocoz		co3	cobe3		28	20		-		-	4.2
Holyhead	bcbbm	bbm	bbm	bcofw	48	41	33	-	-	-	-	7.3
Liverpool (Bidston)	cbcbm	c	f:m	f:m	52	38	31	-	-	-	-	5.6
Chester (Shotwick)	bmbcz	bc3b3	bbmf	bbf	54	37	28	-	-	-	-	6.4
Spurn Head	b-bc	b.bc	bb	bbc	49	37	•	-	-	-	-	6.7
Nottingham	c	c	bco	f:me	52	37	33	-	-	-	-	4.1
Cranwell	cfbcb	b.bc	bbc	fe	52	33	31	-	0.1	-	01.30	8.2
Gorleston	ccz	bcq	bbc	bwbc3	46	42	33	-	-	-	-	8.3
Valencia (Cahirciveen)	bo3c	co3c	bbcc	ombcm	51	35	31	-	-	-	-	2.8
Roches Point	bbciz	bcbiz	bwbciz	bwiz	49	39	-	0	2	-	-	
Pembroke (St. Ann's H.)	b-bc	b.bc	bbc	bw	49	40	•	-	-	-	-	9.1
Ross-on-Wye	omc3	b3c3bc3	bcmomomomcbmcm		50	36	30	-	0.2	-	22.00	3.9
Benson	om	2	coir.	Rr	47	41	35	-	10	-	24.00	•
Andover	omcm	cmom	omr.c	comr.	49	38	29	-	Trace	-	<21.00	1.1
S. Farnborough	ooff	or.of	oo	rr	50	41	35	-	13	-	24.00	0.1
London (Kew Obsy.)	ofxof	ofo3	ogbofoxm	omoror	50	42	40	-	3	-	<21.00	0.0
Croydon	ofmp.	om3p.	obmf	bopRr.f	50	42	36	Trace	2	1230	<21.00	0.8
Clacton-on-Sea	bccm	cm	com	ocbcm	48	42	36	-	-	-	-	4.0
Shoeburyness	bfoibm	oir.mom	bmoir.	bcm	50	39	35	0.5	1	1100	<21.00	0.0
Grain	ompcb	bbcom	oo pr.	pr.om	46	41	39	0.3	0.6	1100	24.00	3.5
Lympne	bcomf	cmom	ocmr	ompr.	51	41	33	0.6	0.8	0900	22.00	5.5
Scilly (St. Mary's)	om	om	bcm	bcm	50	43	•	-	-	-	-	0.0
Falmouth (Pendennis)	om	ocmor	orbcb	bccop	49	42	•	-	0.2	-	<21.00	3.3
Plymouth (Cattewater)	icbm	bbcc	cb	bxomcw	55	36	28	-	Trace	-	-	4.8
Portland Bill	bcb	bbcc	bcbcm	bm	49	40	•	-	-	-	-	•
Southampton (Calshot)	bcmom	ahcmom	bmblbm	bbcbm	51	39	34	-	-	-	-	1.4
Dungeness	c	c	c	b	50	44	•	-	Trace	-	<21.00	•
Jersey	bbcb	b	bw	bwm	56	43	•	-	-	-	-	9.6



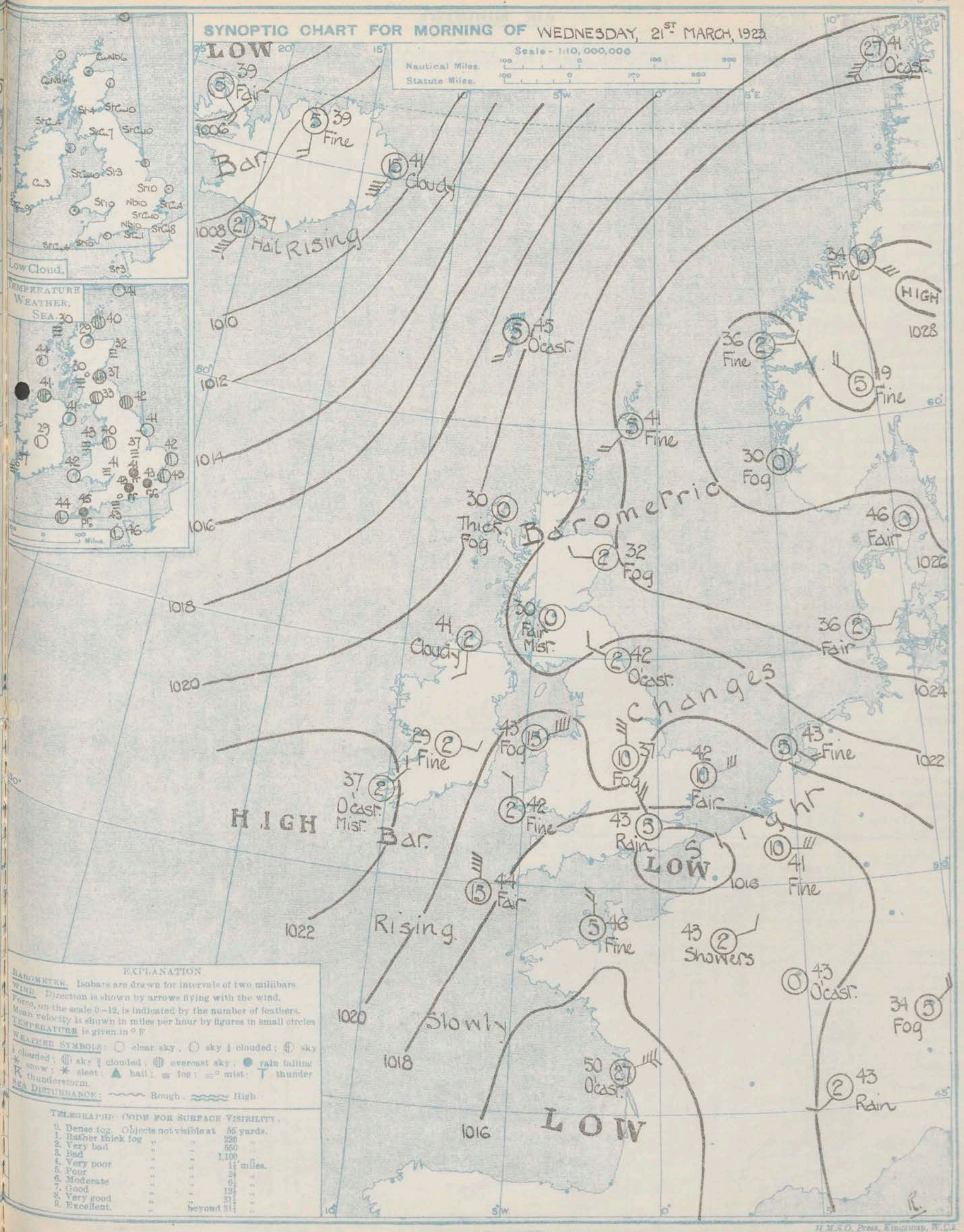
Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	20th 10h.	Hibernia	ENE	2	0	43	46	8
1	20th 13h.	Reindeer	NE'N	5	ifb	47	49	
3	21st 3h.	Dieppe	NW'N	1	b	48	48	7

GENERAL INFERENCE.

A ridge of high pressure stretches across the British Isles from Scandinavia to the Azores while a shallow depression over France is filling up. Apart from some further local rain or showers today over Southern England, fair, quiet conditions will continue for a time, but the outlook beyond 36 hours is uncertain.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday 21st March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light winds, mainly northeasterly; variable cloud; morning mist or fog in places; moderate day temperature, risk of ground frost in places at night.	With-held.
5. S.W. England 6. South Wales 7. North Wales	Light winds, mainly northeasterly; variable cloud, local rain or showers at first, fairer later; mist in places; moderate temperature.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light indefinite or easterly winds; fair; morning mist or fog in places; moderate day temperature, frost in places at night.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Light or moderate southerly or southwesterly winds; fair; mist in places; moderate temperature.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 6 to 13.	



H.M.S.O. Press, Kingsway, W.C.2.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... Wednesday, 21st March ..... 1923. No. 80

Observations at 0100 G.M.T. 21st

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1025.1	-2	SW	2	fo+	39	97	2	1500	Nb	10	–	10	*
Stornoway	1021.3	0	–	0	b–	*	*	0	*	*	*	*	*	*
Wick	1023.3	-1	S	2	b	41	97	8	–	–	0	–	0	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1020.4	0	–	0	0+	43	97	7	5/00	StCu	10	–	10	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1023.5	+1	E	1	b	40	92	8	–	–	0	ASt	2	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1022.7	0	SE	1	0	42	92	6	–	–	0	ASt	10	*
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1019.2	+1	E	3	b	42	97	6	–	–	0	–	0	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1020.4	0	E'N	3	b	41	92	7	–	–	0	–	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1020.3	0	NE'N	2	b	37	97	6	–	–	0	–	0	*
Gorleston	1019.5	0	ENE	3	b	42	92	7	–	–	0	–	0	*
Valencia (Cahirciveen)	1021.5	-1	–	0	c	43	97	8	–	St	7	–	7	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1019.1	+1	NNW	1	b	42	92	7	–	–	0	–	0	*
Rose-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover		*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...		*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...		*	*	*	*	44	*	*	*	*	*	*	*	*
Croydon	1017.6	0	–	0	ffb	42	97	3	–	–	0	–	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1016.8	0	NE	3	bc	45	85	6	1500	St	6	–	6	*
Scilly (St. Mary's) ...	1018.7	0	NNE	3	b	44	85	6	4000	StCu	2	–	2	*
Falmouth (Pendennis)	1018.9	+2	N	2	b/r	45	92	8	–	–	0	–	0	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1017.3	+3	NE	3	mmb	44	85	5	–	–	0	–	0	*
Southampton (Ca.shot)	1017.2	0	NNW	2	b	43	92	6	–	–	0	–	0	*
Dungeness	1016.6	0	E	2	b	46	92	7	–	–	0	–	0	*
Jersey 7h }	1016.7	+2	N	3	b	45	97	6	–	–	0	ASt	2	*
Guernsey 1h }														

Observations at 0700 G.M.T. 21st

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1024.9	0	SW	2	b	41	97	7	–	–	0	–	0	1
Stornoway	1020.7	0	–	0	FFb	30	92	1	–	–	0	–	0	0
Wick	1021.6	-1	S	3	c	40	97	8	4000	CuNb	6	CiSt	8	0
Castlebay	1020.9	0	SE	4	bc+	44	92	6	1500	CuNb	6	–	6	3
Nairn	1022.1	*	–	0	b	29	85	8	–	–	0	–	0	*
Aberdeen	1023.6	0	N	1	ffb	32	97	2	–	–	0	–	0	*
Malin Head	1020.4	0	S	1	c–	41	97	7	5/00	StCu	4	ACu	7	3
Renfrew	1022.7	0	–	0	mmbc	30	97	4	4000	St	4	–	4	*
Edinburgh (Inchkeith)	1023.0	-1	ESE	1	0+	37	92	7	–	StCu	10	–	10	1
Leuchars	1022.6	0	–	0	0	39	97	7	1500	St	10	–	10	*
Eskdalemuir	1022.6	0	N	2	c+	33	97	6	1500	StCu	7	–	7	*
Tynemouth	1021.6	-1	WNW	1	0	42	92	6	4000	StCu	10	–	10	0
Blacksod Point ...	1021.7	+2	SW	2	0/r	49	92	7	–	Nb	10	–	10	0
Donaghadee	1021.1	+1	ESE	2	b	41	85	8	–	–	0	–	0	1
Birr Castle	1021.6	*	ES	1	b	29	97	6	2500	Cu	3	–	3	*
Holyhead	1019.4	+1	E'N	4	fo	43	97	3	4000	StCu	10	–	10	2
Liverpool (Bidston) ...	1019.7	0	–	0	c	40	85	4	2500	St	3	ASt	6	1
Chester (Shotwick) ...	1020.0	0	W	1	ffb	37	97	3	5/00	StCu	2	–	2	*
Spurn Head	1020.0	0	NNE	2	b	41	92	6	–	–	0	–	0	2
Nottingham	1021.7	0	N	3	fo	37	97	2	1500	St	10	–	10	*
Cranwell	1020.2	0	N	3	ffo	37	97	1	<150	St	10	–	10	*
Gorleston	1019.4	0	ENE	3	bc+	42	92	6	–	–	0	CiCu	4	0
Valencia (Cahirciveen)	1022.2	0	NE	1	mmo	37	92	6	2500	StCu	9	–	9	0
Roches Point	1021.5	0	NNW	2	b	39	97	6	1500	St	3	–	3	0
Pembroke (St. Ann's H.)	1019.1	0	N	1	b	42	92	6	–	–	0	–	0	3
Rose-on-Wye	1018.8	0	N	1	ffo	41	97	3	450	St	10	–	10	*
Benson...	1017.3	+1	NE	3	orr	41	97	4	–	Nb	10	–	10	*
Andover	1017.5	0	NNE	3	o	42	97	6	1500	StCu	10	–	10	*
S. Farnborough ...	1017.2	0	–	0	orr	43	97	5	450	Nb	10	–	10	*
London (Kew Obsy.)...	1017.2	0	NNW	2	orr	43	97	4	2500	StCu	10	–	10	*
Croydon	1017.2	0	WNW	1	orr	42	97	3	2200	St	10	–	10	*
Clacton-on-Sea ...	1016.9	0	NE	3	bc–	43	92	6	5/00	StCu	4	ACu	6	0
Shoeburyness	1017.2	+1	NE	1	mmbc	42	85	4	5/00	StCu	6	–	6	*
Grain	1017.4	0	NW	2	o	42	97	5	2500	StCu	10	–	10	0
Lympne	1016.3	0	NNE	3	opr	44	92	6	1500	StCu	9	–	9	*
Scilly (St. Mary's) ...	1019.5	+1	N	4	bc	44	85	6	4000	StCu	4	–	4	3
Falmouth (Pendennis)	1019.8	+2	NNE	4	opr	45	85	6	4000	St	10	–	10	1
Plymouth (Cattewater)	1018.7	+2	N	2	mmo	40	97	4	<150	St	10	–	10	0
Portland Bill	1017.3	0	NE	2	mmb	43	85	5	–	–	0	–	0	3
Southampton (Ca.shot)	1017.3	0	NNW	3	mb+	39	97	4	2500	StCu	1	CiSt	2	0
Dungeness	1015.9	-1	E	3	cpr	45	97	7	4000	StCu	8	–	8	3
Jersey 7h }	1017.8	+1	N	2	b	46	92	5	800	St	3	–	3	0
Guernsey 1h }														

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 19th	Temperature. Max. Day. 20th	Rainfall.† Night 17h.-9h. 19th-20th	Rainfall.† Day 9h.-17h. 20th	Sunshine. Sunrise to 17h. 20th	Sunshine. Sunrise to Sunset. 19th
			°F.	°F.	mm.	mm.	hr.	hr.
Montrose	-	-	36	45	-	-	8.1	1.6
Llandudno	b	bcc	39	50	-	-	5.4	4.7
Colwyn Bay ...	bc	bcc	38	49	-	-	7.3	6.4
Rhyl...	cbc	bcc	37	53	-	-	3.2	4.8
Southport	cocbc	bbcyc	34	54	-	-	6.0	7.0
Blackpool	c	bc	35	54	-	-	6.8	7.2
Ilkley	cb	b	38	52	-	-	5.0	6.1
Harrogate	ob	b	37	50	-	-	5.8	8.2
Skegness	b	b	40	46	-	-	9.1	0.0
Aberystwyth ...	cbb	b	36	53	-	-	8.0	8.0
Bath	mo	cbco	36	49	-	-	1.1	5.9
Leamington Spa ...	c	cbou	35	53	-	-	4.5	4.5
Lowestoft	b	b	41	47	-	-	8.2	8.8
Felixstowe	b	bcmom	39	47	-	-	5.2	5.3
Southend	tbcd	dcm	33	50	-	0.1	3.5	4.9
Ilfracombe	b3	b3bc	41	49	-	-	8.8	6.0
Bude	wbc	bcbcc	38	53	-	-	5.5	9.3
Penzance	oc3	bcc3	43	53	-	1	2.2	4.1
Paignton	ombcc	bcm	38	52	-	-	4.9	7.8
Torquay	mcbc	bcom	39	53	-	-	5.0	8.3
Weymouth	c	c	36	55	-	-	5.2	8.2
Bournemouth ...	bc	bcc	35	52	-	-	3.0	8.9
Portsmouth (S'thsea)	bc	om	36	53	-	-	3.2	9.7
Worthing	bco	ro	37	51	-	1	0.8	10.5
Brighton	c	c	40	56	-	-	5.0	10.0
Eastbourne	oc	o	37	50	-	-	0.8	9.7
Hastings	bcfoc	cbcco	38	53	-	-	2.0	10.5
Folkestone	r	b	40	53	-	1	5.3	5.9
Tunbridge Wells ...	fco	opbcc	35	52	-	0.3	0.6	8.3
Ramsgate	cb	bbcm	40	48	-	-	3.3	3.6
Margate	co	bbcc	39	48	-	-	3.9	3.9
Deal	ccrbc	bbcc	33	50	-	0.2	4.3	4.0

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 5. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22400 Thursday, 22nd March 1923. Page 1.

Observations at 1900 G.M.T. 21st

Stations	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground†
Lerwick	1023·7	-1	S	3	b	45	85	7	4000	Cu	1	-	0	•
Stornoway	1020·5	0	SW	3	bc+	50	75	6	4000	Cu	4	-	4	•
Wick	1021·9	0	SSE	2	b	44	92	8	450	St	1	-	1	•
Castlebay	1020·3	0	SE	4	mmo	45	92	6	800	St	10	-	10	•
Nairn	*	*	*	*	*	*	*							
Aberdeen	1022·9	-1	SE	2	b	51	75	6	800	St	1	-	1	0
Malin Head	1019·1	0	W	2	c	47	89	7	5700	Nb	6	Ci.Cu	8	•
Renfrew	1021·6	-2	E	2	o	44	85	5	4000	StCu	10	-	10	0
Edinburgh (Inchkeith)	1022·2	-2	ENE	1	o/f	44	85	7	-	StCu	9	-	9	•
Leuchars	1021·4	-1	ESE	2	c/f	45	85	7	2500	StCu	7	-	7	0
Eskdalemuir	1020·5	-2	NE	3	b	47	65	6	-	-	0	-	0	0
Tynemouth	1020·9	-1	N	1	o	44	92	6	-	-	0	ASt	10	•
Blacksod Point	1020·9	-2	SW	2	c	48	75	8	-	CuNb	7	-	7	•
Donaghadee	1021·1	0	NE	2	o	46	85	8	-	-	0	ACu	9	•
Birr Castle	1021·8	*	NW	1	c+	47	75	6	4000	StCu	7	-	7	•
Holyhead	1019·6	0	NE'E	4	o+	45	85	7	4000	StCu	10	-	10	0
Liverpool (Bidston)	1018·4	-2	NWW	1	b-	48	75	4	1500	StCu	2	-	2	•
Chester (Shotwick)	1018·6	-2	NW	2	ffb	51	75	3	-	-	0	-	0	0
Spurn Head	1019·1	-1	ENE	2	bc+	49	75	7	-	-	0	Ci	5	•
Nottingham	1016·5	-2	NE	3	o	46	85	6	2500	StCu	5	CiSt	10	•
Cranwell	1019·1	-1	NNE	3	c-	50	85	6	800	Cu	6	ACu	7	0
Gorleston	1018·6	0	ENE	1	b	48	75	6	-	-	0	CiCu	3	•
Valencia (Cahirciveen)	1022·4	0	NW	2	c+	48	75	6	2500	StCu	5	A.Cu	7	0
Roches Point	1020·8	0	WNW	3	bc	50	75	7	-	-	-	CiSt	5	•
Pembroke (St. Ann's H.)	1018·7	-1	WNW	2	bc	50	75	6	2500	St	5	-	5	•
Ross-on-Wye	1018·2	-2	NW	2	mmo	46	85	5	800	St	10	-	10	1
Benson	1016·8	-1	NE'N	2	o/r	45	85	6	*	St	10	-	10	2
Andover	1017·2	0	NNE	3	o	47	85	6	1500	StCu	10	-	10	1
S. Farnborough	1016·9	0	-	0	o	51	75	6	4000	Cu	5	ASt	10	1
London (Kew Obsy.)	1016·4	-2	NNE	3	b	51	75	5	-	-	0	ACu	3	2
Croydon	1016·7	-2	NE	2	bc-	52	75	4	4000	Cu	4	CiSt	6	[illegible]
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1017·0	0	NNE	3	oPR-	43	85	5	1500	StCu	8	ACu	9	[illegible]
Grain	1016·9	-1	NEE	4	o	47	85	6	5700	StCu	8	Cu	9	1
Lympne	1016·1	-2	-	0	o	51	75	6	5700	StCu	6	ASt	9	1
Scilly (St. Mary's)	1019·6	0	NWN	3	b	52	65	6	4000	StCu	2	-	2	•
Falmouth (Pendennis)	1019·8	0	N	2	bc-	49	65	6	4000	Cu	5	-	5	•
Plymouth (Cattewater)	1017·9	-1	WNW	1	mb-	52	75	5	2500	StCu	1	-	1	0
Portland Bill	1017·3	0	WSW	2	bcff	48	52	6	-	-	0	ACu	6	•
Southampton (Calshot)	1016·6	-2	NW'N	2	o+	50	75	7	4000	StCu	9	-	9	0
Dungeness	1016·1	-1	SW	2	o	50	75	7	4000	StCu	10	-	10	•
Jersey	1018·1	0	NW	2	o	53	75	5	-	-	0	CiSt	10	•

Observations at 1800 G.M.T. 21st

Stations	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1022·8	0	S	2	b	44	85	7	-	-	0	-	0	1
Stornoway	1020·6	0	-	0	b	45	92	7	-	-	0	-	0	0
Wick	1020·9	-1	SE	1	b	43	97	8	-	-	0	-	0	0
Castlebay	1019·9	0	-	0	mmo	45	92	7	1500	St.	10	-	10	1
Nairn	1020·2	*	-	0	bc+	42	92	7	1500	St.	5	-	5	•
Aberdeen	1022·4	0	E	1	b	42	92	6	-	-	0	-	0	0
Malin Head	1019·5	-1	-	0	o	45	92	7	5700	St.Cu	9	-	9	0
Renfrew	1020·9	-2	ENE	1	b	46	85	5	-	-	0	-	0	•
Edinburgh (Inchkeith)	1021·1	-1	E	2	b/f	42	92	7	*	St.	2	A-St	3	1
Leuchars	1020·7	0	E	1	o	43	97	7	450	St.	10	-	10	•
Eskdalemuir	1020·2	-1	N	3	b+	43	85	6	1500	Cu	3	-	3	•
Tynemouth	1020·3	0	ENE	1	b	44	92	6	-	-	0	CiCu	1	0
Blacksod Point	1020·4	-1	SW	2	c	48	85	7	-	CuNb	7	-	7	0
Donaghadee	1019·9	-1	N	2	o	45	85	7	-	-	0	A.Cu	9	1
Birr Castle	1020·3	*	ENE	1	bc-	45	85	5	4000	St.Cu	3	CiCu	6	•
Holyhead	1018·6	0	NE'N	3	o-	45	92	6	4000	St.Cu	5	A-Cu	9	3
Liverpool (Bidston)	1018·0	0	WNW	2	c+	41	85	5	2500	St.Cu	4	A-Cu	7	3
Chester (Shotwick)	1018·2	0	WNW	4	c	45	85	4	2500	St.Cu	6	Ci	7	•
Spurn Head	1019·1	0	NNE	3	c	43	92	6	-	-	0	A-Cu	7	2
Nottingham	1017·7	0	NE	3	b	49	75	6	2500	St.Cu	2	-	2	*
Cranwell	1018·3	0	ENE	3	c	48	85	6	4000	St.Cu	6	A.Cu	8	•
Gorleston	1018·5	0	NE	1	b	44	85	6	-	-	0	Ci.Cu	3	0
Valencia (Cahirciveen)	1021·6	0	NNW	3	c	48	75	8	2500	St.Cu	3	CiSt	7	1
Roches Point	1020·0	-1	N	2	bc	50	85	6	-	-	0	CiSt	2	0
Pembroke (St. Ann's H.)	1018·1	-1	N	3	bc	47	75	7	2500	St.	4	-	4	2
Ross-on-Wye	1017·8	0	E'N	1	mb/b	45	85	4	800	St.	2	-	2	•
Benson	1017·7	+2	-	0	bc	43	92	6	*	St	5	-	5	•
Andover	1017·2	0	N	3	b	45	85	6	-	-	0	-	0	•
S. Farnborough	1016·9	+1	NW	1	o	46	92	6	4000	St.	10	-	10	•
London (Kew Obsy.)	1016·9	+2	WSW	1	mmo	48	85	5	2500	St.	5	A.Cu	9	•
Croydon	1017·0	+2	WNW	1	o	48	85	4	4000	St.Cu	10	-	10	•
Clacton-on-Sea	1016·9	+2	ENE	3	c	45	92	4	4000	St.Cu	4	A.Cu	7	0
Shoeburyness	1017·1	0	N	1	mo+	45	85	5	2500	St.Cu	9	-	9	•
Grain	1016·9	0	ESE	2	mo+	47	85	5	4000	St.Cu	10	-	10	0
Lympne	1016·4	+2	-	0	oro	46	92	4	4000	Nb	6	A.St	10	•
Scilly (St. Mary's)	1019·5	0	NW	3	c+	47	75	7	-	-	0	A.St.	8	3
Falmouth (Pendennis)	1018·5	-1	N	2	c+	46	85	6	800	St	8	-	8	0
Plymouth (Cattewater)	1017·6	0	N	2	mmc	48	85	5	2500	St.	2	A-St	7	0
Portland Bill	1016·8	-2	NNW	2	b	47	92	6	-	-	0	Ci.Cu	3	2
Southampton (Calshot)	1017·0	0	NW	3	b	48	85	6	4000	St.Cu	1	Ci	2	0
Dungeness	1016·3	0	SW	2	oroιo	47	92	6	2500	St.Cu	10	-	10	2
Jersey	1017·6	0	NW	2	b	49	85	6	800	St.	3	-	3	0

London Observations. (Weather and Temperature: 24 Hours ended 0900 G.M.T. 22nd)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew (24 hours ended 0700)	cubg	bgbcgm	bfwofw	*	*	31	0·1	-	2·8	*	*
Croydon (24 hours ended 0700)	ornbcg	bcogm	ombf	*	*	31	Tr.	Tr.	2·9	*	*
Greenwich (Royal Obsy.)	orcg	co	obgwfo	55	36	31	1	-	2·4	65	94
City (Bunhill Row)	*	*	*	*	*	*	*	*	2·0	*	*
Westminster (St. James' Pk.)	*	*	*	55	39	33	-	-	2·9	67	84
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	2·0	*	*
Camden Square	or	b	*	54	40	36	0·3	-	*	*	96
Kensington Palace	c3	c3	*	56	38	31	0·4		*	86 (18h)	94
Hampstead Observatory	*	*	*	53	39	27	1	-	4·6	*	92

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1800 G.M.T. 21st.

Station	Max.	Time.	Min.	Time.
South Kensington	1·0	1900 (20)	0·3	0400 (21)
	1·0	0900 (21)		
Kew Observatory	0·9	2000 (20)	0·3	0500 (21)
	0·5	1000 (21)		

Pole Star Record at Greenwich Obsy.

Exposure from 21st 19 h. 00 m. to 22nd 05 h. 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10 15	03 40	96
δ Ursae Minoris	10.15	03.27	34

Code for State of Ground.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1800 and 1800 reports (Hour from in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer.
9 = Glazed roads (ice on roads from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	C	6	-	165
18h.	C	5	-	165
01h.	C	6	-	150
07h.	C	5	-	140

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 22nd & 23rd March, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·54 / 5·51	12·0 / 12·0	6·6 / 6·8
Greenwich	6·1 / 5·59	12·4 / 12·4	6·13 / 6·15
Wick	6·13 / 6·10	12·19 / 12·19	6·25 / 6·27
Valencia	6·42 / 6·40	12·48 / 12·48	6·54 / 6·56

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet t thunder.
x unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
r_or_o = continuous light rain.

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

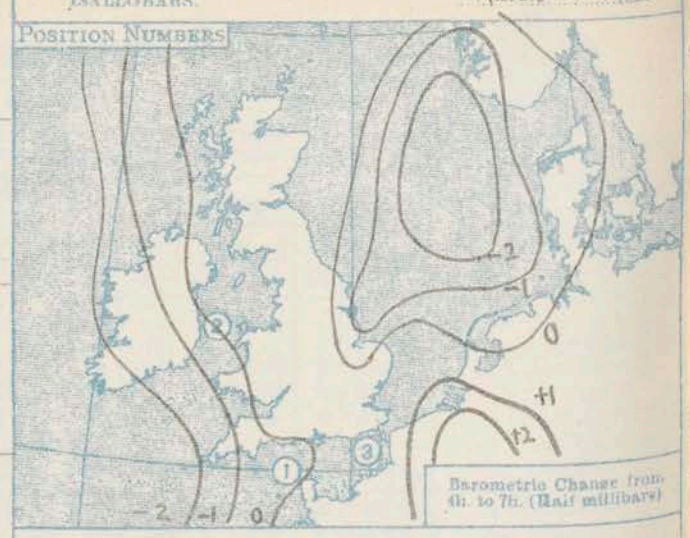
Sea Disturbance.
0 = no swell, 1 = mod. swell, 2 = heavy swell: Calm or slight sea.
3 = no swell, 4 = mod. swell, 5 = heavy swell: Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

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

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 21st	13h.-18h. 21st	18h. 21st to 1h. 22nd	1h.-7h. 22nd	Temperature. Max. Day. 7h.-18h.	Min. Night. 18h.-7h.	Min. on Grass	Rainfall† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	Sun. 21st. Hours.
Lerwick	b	h	b4	bw	46	39	.	–	0.1	–	<21.00	1.8
Stornoway	c	b.bc	bbc	ffo	50	31	.	–	–	–	–	8.0
Wick	b	b.bc	bbc	bbc	45	40	.	–	–	–	–	.
Castlebay	bc ot	of	obf	bmf	45	39	.	–	–	–	–	0.7
Nairn	bbc	bcm	bcmc	cm	46	34	.	–	0.3	–	–	9.1
Aberdeen	ffcb	bm	bm	bfofe	51	34	27	–	0.2	–	<21.00	8.4
Malin Head	co3	co3	cobc3	bco3	47	36	.	–	–	–	–	2.3
Renfrew	bcmof	omb3	bom	om	48	39	30	–	–	–	–	3.6
Edinburgh (Inchkeith)	m	b.bc	o	om	45	38	38	Trace	–	–	–	1.3
Leuchars	omoc	c	oom	om	47	39	37	–	–	–	–	3.7
Eskdalemuir	ocb3	b.bc	bcobc	bcbbcm	49	33	32	–	–	–	–	6.5
Tynemouth	om	bm	bff	ofeFe	46	37	29	–	Trace	–	01.30	.
Blacksod Point	c	rmd	b bc	b bc	50	30	.	0.3	–	–	–	.
Donaghadee	c	cm	bcm	bcm	46	41	.	.	–	–	–	.
Birr Castle	co3	co3	oc	cooc3	50	38	35	–	–	–	–	4.3
Holyhead	fobmo	oom	gom	obcwm	48	40	35	–	–	–	–	1.8
Liverpool (Bidston)	bc bm	cm	f:m	f:m	50	40	33	–	–	–	–	5.4
Chester (Shotwick)	bobf	bfocm	bcf	bccFF	51	34	27	–	–	–	–	2.2
Spurn Head	borbc	b.bc	bbc	bwxbc	49	37	.	–	Trace	–	<21.00	5.6
Nottingham	m	c	b	b	52	38	35	–	–	–	–	0.4
Cranwell	fmoc	cbobcc	bbc	Fe	55	32	32	Trace	0.1	–	–	4.1
Gorleston	bc3b3	b3bc3	bw	bwbmw	49	37	32	–	–	–	–	8.5
Valencia (Cahirciveen)	obcc3	cbc3c	cbbc	nom	60	40				–		
Roches Point	bbc m	bi3	bi3 10	1120	52	43		mil	Trace			
Pembroke (St. Ann's H.)	c	bbc	o	om	51	42	.	–		–	–	6.7
Ross-on-Wye	dd mom	c3gofbm	bmcwom	ffo	49	38	31	0.5	Trace	0900	–	0.2
Benson	ro	o	bc	ofe	47	35	29	5	0.1	–	–	.
Andover	om	obcbm	bm	bmoF	50	34	28	–	–	–	–	3.2
S. Farnborough	omw	om	ombF	bfoF	51	36	30	1	–	L0800	–	0.6
London (Kew Obsy.)	cmb3	b3bc3om	bfwofw	ofwofw	54	37	31	0.1	–	L0800	–	2.8
Croydon	obmbc3	bgo3m	obmf	bf	54	36	31	Trace	Trace	L0800	–	2.7
Clacton-on-Sea	bcomp	cpm	cmbcf	bcf	50	34	34	1	–	0900	–	3.2
Shoeburyness	bcmpf	opomom	om	cm	51	36	30	1	–	1100	–	1.3
Grain	ompc	opoom	ompbb	bcofw	48	32	28	0.3	Trace	1100	<2100	1.8
Lympne	ocpf3	oromo	oromo	ifm	51	37	31	Trace	1	L0800	<21.00	1.5
Scilly (St. Mary's)	bm	bc	cm	com	52	43	.	–	–	–	–	7.6
Falmouth (Pendennis)	ocbm	bcmc	bm	bmof	51	41	.	–	Trace	–	–	7.2
Plymouth (Cattewater)	omcb	bbcm	com	omwco	53	38	30	Trace	–	L0800	–	6.6
Portland Bill	bcm	cbc	bcbm	bm	49	41	.	–	–	–	–	.
Southampton (Calshot)	c	c	bmo	f:m	53	37	34	–	–	–	–	5.6
Dungeness	c	ororo	cm	offm	50	38	.	0.2	0.3	1530	<2100	.
Jersey	bco	obcb	bw	bwoff	54	37	.	–	–	–	–	8.8

ISALLOBARS. March 22nd 1923.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	21st 10h	Hibernia	NE	4	m	46	47	5
3	22nd 3h	Brighton	–	0	co–	48	48	6

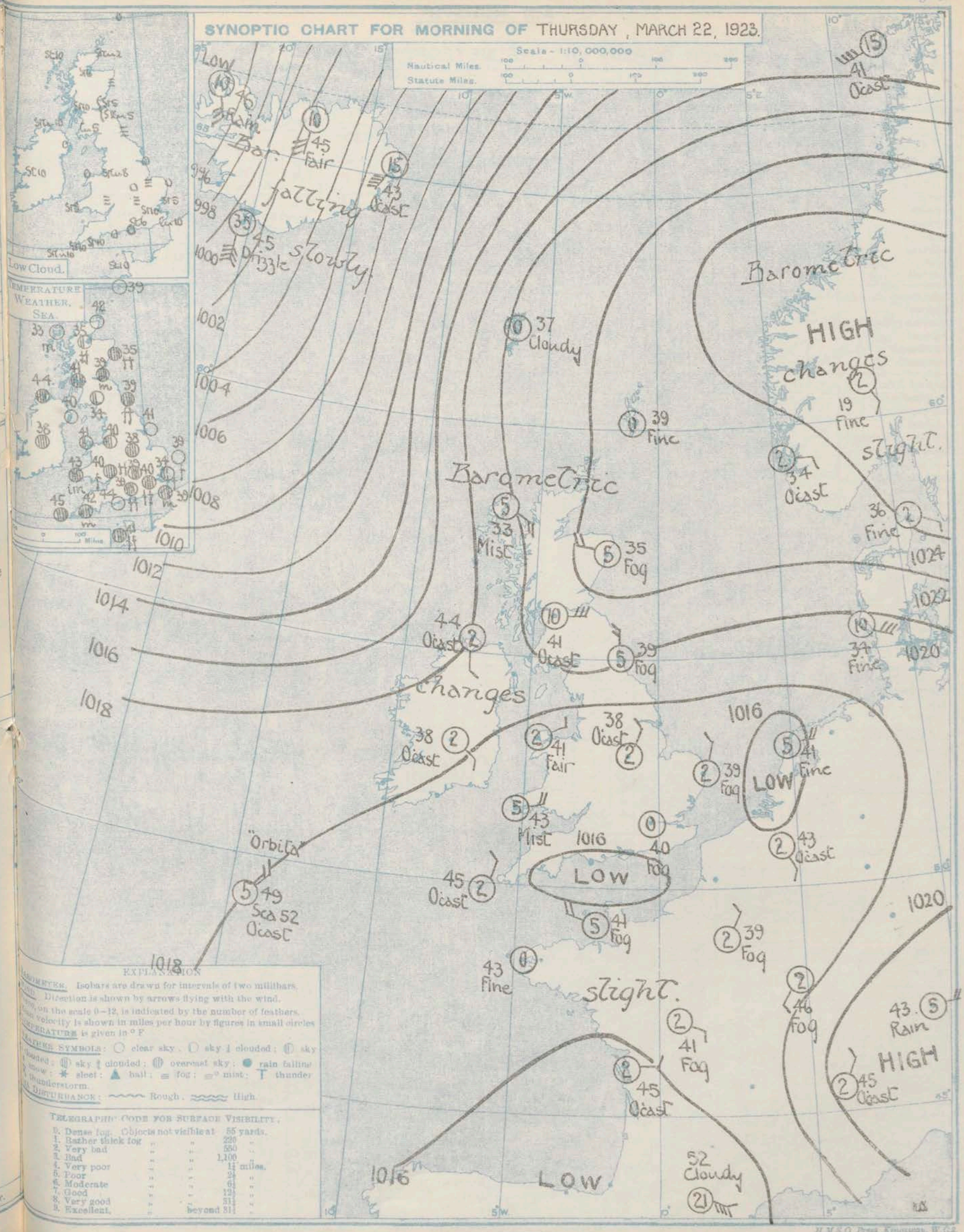
GENERAL INFERENCE.

An irregular pressure distribution over the British Isles, with slight barometric changes, is favourable for quiet misty conditions, with a moderate day temperature and frost locally at night.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 22nd March, 1923.	Further Outlook.
1. S.E. England		
2. E. England		
3. E. Midlands		With-held.
4. W. Midlands		----
5. S.W. England		
6. South Wales		
7. North Wales		
8. N.W. England		
9. N. Midlands	Light indefinite winds; variable cloud; some mist, morning fog in places; moderate day temperature, frost locally at night.	
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		

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 GMT. G. C. Simpson, F.R.S., Director.

† For Code see opposite page.



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

TEMPERATURE is given in ° F.

WEATHER SYMBOLS: ○ clear sky, ◐ sky ¼ clouded; ◐ sky ½ clouded; ◐ sky ¾ clouded; ● overcast sky; ● rain falling; ● snow; ✱ sleet; ▲ hail; ≡ fog; ≡° mist; T thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0. Dense fog.	Objects not visible at	55 yards.
1. Rather thick fog	" "	220 "
2. Very bad	" "	550 "
3. Bad	" "	1,100 "
4. Very poor	" "	1¼ miles.
5. Poor	" "	2½ "
6. Moderate	" "	6½ "
7. Good	" "	12½ "
8. Very good	" "	31½ "
9. Excellent.	" beyond	31½ "

H.M.S.O. Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Thursday, 22nd March.....1923. No...81...

Observations at 0100 G.M.T.....22nd.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.*	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1024.8	0	SW	2	b	42	92	7	–	–	0	–	0	.
Stornoway	1019.5	0	–	0	b	.	.	6	.	.	.	.	.	.
Wick	1021.2	0	S	2	b	41	94	8	–	–	0	–	0	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	1019.4	0	S	1	b–	39	97	7	–	–	0	–	0	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	1021.6	0	E	1	o–	41	92	7	–	–	0	ASt	10	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	1020.6	0	–	0	ffg	39	97	3	–	–	0	–	0	.
Blacksod Point ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	1017.6	–2	NNE	3	o	45	97	6	4000	StCu	10	–	10	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	1018.9	+1	N	1	b	40	97	7	–	–	0	–	0	.
Nottingham	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	1019.0	–1	N	1	fb	34	97	2	–	–	0	–	0	.
Gorleston	1017.5	0	N'E	2	b	41	97	7	–	–	0	–	0	.
Valencia (Cahirciveen)	1020.2	–2	NW	1	c+	45	97	8	–	St	8	–	8	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	1017.4	–1	N	2	o	45	85	7	1500	St	10	–	10	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.) ...	.	.	.	.	.	41	.	.	.	.	.	.	.	.
Croydon	1017.3	0	SSW	2	FFb	39	97	1	–	–	0	–	0	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	1017.1	0	NE	1	imb	44	97	4	–	–	0	–	0	.
Scilly (St. Mary's) ...	1018.0	–2	N	1	c	45	92	6	4000	StCu	7	–	7	.
Falmouth (Pendennis)	1016.0	0	NW	1	mb	44	97	6	–	–	0	–	0	.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	1015.0	–2	N	2	mmb	44	92	5	–	–	0	–	0	.
Southampton (Calshot)	1016.3	–1	NW	2	mmb	41	97	5	–	–	0	–	0	.
Dungeness	1016.5	0	–	0	b	43	97	6	–	–	0	–	0	.
Jersey 7h }	1018.4	0	W	2	mbc	44	97	4	<150	St	4	–	4	.
Guernsey 1h }														

Observations at 0700 G.M.T.....22nd.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.*	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1023.1	0	–	0	b	39	97	7	–	–	0	–	0	0
Stornoway	1019.7	0	–	0	mmo	33	97	4?	800	St	10	–	10	0
Wick	1021.3	0	SSE	1	b+	42	97	8	5/00	StCu	2	–	2	0
Castlebay	1019.3	0	–	0	mmb	39	97	6	–	–	0	–	0	0
Nairn	1021.2	.	–	0	ffbc	35	92	3	1500	St	6	–	6	.
Aberdeen	1022.4	0	WNW	2	ffo	35	97	2	<150	St	10	–	10	0
Malin Head	1018.0	0	S	1	o+	44	92	7	5/00	StCu	10	–	10	0
Renfrew	1020.6	0	E	3	o	41	85	5	1500	St	10	–	10	.
Edinburgh (Inchkeith)	1021.4	+1	E	1	mo–	39	97	7	–	St	10	–	10	1
Leuchars	1021.0	0	NNW	1	o	39	97	6	450	St	10	–	10	.
Eskdalemuir	1020.7	0	N	2	bc–	34	97	6	800	Cu	5	–	5	.
Tynemouth	1020.0	0	N	2	FFo	39	97	1	<150	St	10	–	10	0
Blacksod Point ...	1018.4	0	E	2	b–	39	92	8	–	Cu	2	–	2	0
Donaghadee	1019.0	0	NW	1	b	40	97	7	–	–	0	ASt	3	1
Birr Castle	1018.9	.	SE	1	o+	38	97	6	<150	St	10	–	10	.
Holyhead	1017.1	0	ENE	1	bc	41	97	5	–	–	0	ACu	5	1
Liverpool (Bidston) ...	1017.2	0	ESE	2	c–	40	92	4	2500	StCu	6	CiCu	8	2
Chester (Shotwick) ...	1017.5	–1	–	0	FFc	35	97	1	5/00	StCu	8	–	8	.
Spurn Head	1017.8	–1	NE	2	b	41	92	7	–	–	0	–	0	1
Nottingham	1017.8	0	NE	1	o	36	97	5	–	–	0	ASt	10	.
Cranwell	1018.5	–1	N'W	2	FFo	33	97	1	<150	St	10	–	10	.
Gorleston	1017.6	0	N'E	1	fb	39	97	2	–	–	0	–	0	0
Valencia (Cahirciveen)	1015.0	–1	NNE	2?	o	41	97	6	2500	StCu	10	–	10	2
Roches Point	1018.3	–1	N	2	o	43	92	7	4000	St	10	–	10	2
Pembroke (St. Ann's H.)	1016.2	–1	ENE	2	imo	43	85	4	800	St	9	–	9	2
Ross-on-Wye	1017.1	0	E'N	1	Fo+	40	97	1	<150	St	10	–	10	.
Benson...	1016.4	+1	NE	1	ffo	39	97	3	–	St	10	–	10	.
Andover	1016.9	0	–	0	ffo	38	92	2	<150	St	10	–	10	.
S. Farnborough ...	1016.6	0	–	0	FFo	39	97	1	450	St	10	–	10	.
London (Kew Obsy.) ...	1017.0	0	–	0	ffo	40	97	2	800	St	10	–	10	.
Croydon	1017.4	0	–	0	FFb	40	97	1	4000	StCu	2	–	2	.
Clacton-on-Sea ...	1016.4	0	NNW	3	FFbc	34	97	1	<150	St	5	–	5	0
Shoeburyness	1016.6	–1	NW	1	mmc	41	85	4	5/00	Cu	8	–	8	.
Grain	1016.8	0	W	2	fo–	41	97	3	–	–	0	ACu	3	0
Lympne	1016.6	–1	–	0	bc	40	97	4	4000	StCu	6	–	6	.
Scilly (St. Mary's) ...	1016.0	–2	N'E	1	o	45	92	6	4000	StCu	10	–	10	3
Falmouth (Pendennis)	1016.0	–2	–	0	mo–	42	97	4	800	St	10	–	10	2
Plymouth (Cattewater)	1016.0	–1	NE	1	mmo	39	97	4	<150	St	10	–	10	0
Portland Bill	1016.0	0	E	1	b	44	92	5	–	–	0	–	0	2
Southampton (Calshot)	1016.8	0	NNW	2	mmo	41	97	4	7200	StCu	10	–	10	0
Dungeness	1016.1	0	NE	2	mmo	39	97	5	800	Cu	10	–	10	3
Jersey 7h }	1016.7	0	NW	2	ffo	41	97	3	800	St	10	–	10	0
Guernsey 1h }														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 20th. °F.	Temperature. Max. Day. 21st °F.	Rainfall.† Night 17h.-9h. 20th-21st mm.	Rainfall.† Day 9h.-17h. 21st mm.	Sunshine. Sunrise to 17h. 21st hr.	Sunshine. Sunrise to Sunset. 20th hr.
Montrose			29	46	–	–	9.3	7.3
Llandudno	mc bc	o	40	51	–	–	2.3	5.4
Colwyn Bay ...	cbc	co	38	49	–	–	2.6	7.3
Rhyl	cbc	bcc	38	47	–	–	1.3	3.2
Southport	bby	bbcc	36	53	–	–	8.2	6.0
Blackpool	bbcc	c	36	56	–	–	7.7	6.8
Ilkley	imb	b	30	53	–	–	7.1	5.0
Harrogate	cb	b	33	50	–	–	5.9	5.8
Skegness	bc	c	31	47	–	–	5.4	9.3
Aberystwyth ...	c	o	37	48	–	–	1.7	8.0
Bath	mo	ocm	35	49	–	–	0.4	1.1
Leamington Spa ...	cb	cb	39	53	9	–	0.7	4.5
Lowestoft	bbcb	bbcb	41	47	–	–	1.5	8.2
Felixstowe	cmbcm	bcm	42	49	–	–	4.6	5.1
Southend	focp	cpo	41	52	1	0.2	2.5	3.5
Ilfracombe	o3 bc	bc3	37	49	–	–	5.9	8.8
Bude	mfoc	bccm	37	53	–	–	5.9	5.5
Penzance	bcb	bc.c	42	51	–	–	7.0	2.2
Paignton	bmbc	crm	35	42	–	–	6.2	5.1
Torquay	b	b	38	50	–	–	7.1	5.8
Weymouth	o.c	bc.b	37	54	–	–	4.7	5.2
Bournemouth ...	b	b	36	55	–	–	3.7	0.3
Portsmouth (S'thsea)	b	bcb	39	56	–	–	6.6	3.2
Worthing	bbc	cbcc	44	57	7	–	7.8	7
Brighton	bbc	bcco	43	56	7	–	5.5	0.5
Eastbourne	bc	cor	43	53	2	1	3.4	0.8
Hastings	bcc	cofr	44	53	1	1	2.0	2.0
Folkestone	ro	rb	41	50	2	0.2	0.0	5.3
Tunbridge Wells ...	cbc	cofro	40	56	0.4	–	3.2	0.6
Ramsgate	bc	bcom	41	50	1	–	1.4	3.3
Margate	copc	co	43	51	4	0.1	1.6	3.9
Deal	cbc	cm	41	51	–	–	1.2	4.3

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 1. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22401 Friday 23rd March 1923.

Observations at 1300 G.M.T. 22nd

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.*	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of Ground.
Lerwick	1022.8	0	-	0	b	47	85	7	-	-	0	-	0	-
Stornoway	1019.2	0	-	0	b-	47	92	7	-	-	0	-	0	•
Wick	1021.0	0	E	1	b	45	92	8	5700	Cu	1	ACu	2	•
Castlebay	1019.0	0	~~NNE~~	2	mmb	48	85	6	-	-	0	•	0	•
Nairn	•	•	•	•	•	•	•							
Aberdeen	1020.9	-2	ENE	2	b⊗	49	75	7	-	-	0	Ci.C	2	0
Malin Head	1017.7	0	ENE	2	bc-	46	92	7	4000	StCu	6	-	6	•
Renfrew	1018.9	-3	ENE	3	b	51	75	5	-	•	0	•	0	0
Edinburgh (Inchkeith)	1020.2	-2	E	2	fo	42	92	3	☆	St	10	•	10	•
Leuchars	1019.8	-2	ESE	2	b+	43	97	6	450	St	3	-	3	0
Eskdalemuir	1018.5	-2	ENE	4	b	49	55	6	-	-	0	Ci	1	0
Tynemouth	1018.8	-1	N	2	b/+	44	97	7	4000	Cu	2	-	2	•
Blacksod Point	1016.9	-2	E	2	c	47	65	9	—	St Cu	8	—	8	•
Donaghadee	1018.0	-1	E	2	bc	46	85	7	-	•	0	ASt	5	•
Birr Castle	1017.1	☆	NE	1	ORR	43	97	6	1500	Nb	10	~	10	•
Holyhead	•	-2	ENE	4	b	51	75	6	-	-	0	ACu	2	0
Liverpool (Bidston)	1015.7	-3	ESE	2	bc-	52	65	5	4000	Cu	3	Ci	4	•
Chester (Shotwick)	1016.4	-2	SE	2	b/+	52	75	4	-	-	0	ACu	3	0
Spurn Head	1017.4	0	NE'N	4	b	49	75	7	-	-	0	Ci.Cu	2	•
Nottingham	1016.4	-3	E	3	bc-	51	75	8	2500	Cu	1	Ci	6	•
Cranwell	1017.2	-2	ENE	2	c	54	65	7	-	-	0	Ci	7	0
Gorleston	1017.2	0	NNE	1	bc+	47	75	6	-	-	0	Ci	4	•
Valencia (Cahirciveen)	1016.4	-3	E'N	2	c+	48	75	7	2500	St.Cu	4	A.Cu	7	0
Roches Point	1016.1	-2	N	2	o	47	92	7	2500	StCu	2	ASt	10	•
Pembroke (St. Ann's H.)	1015.4	-1	-	0	ffo	45	92	3	<150	St	10	-	10	•
Ross-on-Wye	1016.7	-1	E	1	mo-	42	92	4	450	St	10	-	10	1
Benson	1016.4	-1	NE	1	mmo	41	97	5	☆	St.	10	-	10	2
Andover	1016.3	0	NE	1	o/+	44	97	4	4000	StCu	10	•	10	1
S. Farnborough	1016.3	-1	-	0	FFo	43	97	1	<150	St	10	-	10	1
London (Kew Obsy.)	1016.2	-1	N'W	1	o	47	85	4	-	-	0	ASt	10	1
Croydon	1016.9	0	NNW	1	ffo	47	85	3	3700	StCu	10	•	10	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•			
Shoeburyness	1016.2	0	NW	1	mmc	50	75	6	-	-	0	ASt	6	☆
Grain	1016.1	-1	E	2	mmo	46	92	5	-	•	0	Ci.St	10	1
Lympne	1016.6	-1	SW	2	o	49	85	6	1500	St	9	ASt	10	1
Scilly (St. Mary's)	1015.5	-1	NWN	2	c-	51	75	6	4000	StCu	8	-	8	•
Falmouth (Pendennis)	1015.3	-1	-	0	mmo	49	75	5	1500	St	10	-	10	•
Plymouth (Cattewater)	1014.8	-2	S	2	b	51	75	6	2500	StCu	2	ACu	3	0
Portland Bill	1015.7	-2	SSE	2	bc+	50	55	6	•	-	0	ACu	4	•
Southampton (Calshot)	1016.0	-2	-	0	mo	50	75	5	7200	StCu	10	-	10	0
Dungeness	1016.5	0	SW	2	o/+	48	92	6	1500	St	10	-	10	•
Jersey	1015.4	-1	SE	2	o/f	48	85	5	-	-	0	Ci.St	10	•

Observations at 1800 G.M.T. 22nd

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1021.8	-2	E	1	b+	43	75	8	-	-	0	A.st	3	0
Stornoway	1018.2	-2	-	0	b	46	92	7	-	-	0	-	0	0
Wick	1019.6	-2	E	1	bc+	43	97	8	-	-	0	A.Cu	6	0
Castlebay	1017.4	-1	WNW	2	mmb	48	92	6	-	-	0	A.St	1	1
Nairn	1018.6	☆	E	1	bc-	41	85	8	4000	Cu	3	Ci.Cu	5	•
Aberdeen	1019.8	-1	ENE	3	c+	42	92	7	1500	St.	6	A.Cu	7	0
Malin Head	1015.7	-2	E	3	b	45	92	7	-	-	0	-	0	2
Renfrew	1017.6	-1	ENE	2	c	49	55	6	-	-	0	Ci	7	•
Edinburgh (Inchkeith)	1018.5	-1	E	3	fo+	39	97	3	☆	St.	10	-	10	2
Leuchars	1018.5	-1	ENE	3	b	43	92	8	450	St.	3	Ci	4	•
Eskdalemuir	1017.5	-1	NE	2	b	41	65	7	-	-	0	Ci	1	•
Tynemouth	1017.9	0	NE	1	c+	42	85	7	4000	St.Cu	8	-	8	1
Blacksod Point	1015.6	-3	N	5	o	46	75	7	—	—	0	A.St.	10	4
Donaghadee	1016.6	-1	NNE	2	c+	47	85	7	-	-	0	A.St	7	1
Birr Castle	1014.3	☆	N	1	odd	43	97	4	800	Nb	10	-	10	•
Holyhead	1013.7	-1	E	3	o+	49	85	5	4000	St.Cu	9	-	9	1
Liverpool (Bidston)	1014.5	0	SE'S	1	bcf	49	75	3	2500	Cu	2	A.St	6	3
Chester (Shotwick)	1014.7	0	SSE	2	o	49	85	4	4000	St.Cu	9	A.St	10	•
Spurn Head	1016.4	-1	NNE	3	o+	44	92	7	-	-	0	Ci.St	9	2
Nottingham	1015.3	0	E	2	c	50	75	7	-	-	0	Ci.St	8	☆
Cranwell	1016.4	0	ENE	3	o	48	75	7	7200	St.	4	Ci.St	9	•
Gorleston	1016.4	-1	NE'N	1	mo+	44	92	6	-	-	0	A.St	10	0
Valencia (Cahirciveen)	1014.4	-2	ENE	2	b	48	65	8	2500	St.Cu	2	-	2	1
Roches Point	1013.8	-2	N	2	o r₀ r₀	45	92	6	4000	Nb	10	-	10	0
Pembroke (St. Ann's H.)	1013.4	-2	-	0	ffo	47	85	3	<150	St.	10	-	10	2
Ross-on-Wye	1015.1	-1	NE	1	mmbc	43	92	4	800	St.	3	Ci.Cu	6	•
Benson	1015.6	-1	N	1	or	45	92	5	☆	Nb	9	-	9	•
Andover	1015.0	0	E	3	bc	46	85	6	7200	St.Cu	2	Ci	5	•
S. Farnborough	1015.1	0	-	0	ffo	47	92	1	<150	St.	10	-	10	•
London (Kew Obsy.)	1015.2	-1	-	0	or₀	47	85	4	7200	St.Cu	10	-	10	•
Croydon	1015.7	-1	S'W	2	ffo	46	85	3	4000	St.Cu	10	-	10	•
Clacton-on-Sea	1015.4	0	-	0	ffo	43	97	3	<150	St.	10	-	10	0
Shoeburyness	1015.4	-1	SSW	1	fo+	43	92	3	1500	St.	4	A.Cu	10	•
Grain	1015.6	0	E	1	mmo	45	92	5	5700	St	10	-	10	0
Lympne	1015.7	0	-	0	o-	44	97	5	800	St.	9	A.St	10	•
Scilly (St. Mary's)	1013.5	-2	NNW	2	c	48	85	6	4000	St.Cu	8	-	8	1
Falmouth (Pendennis)	1013.3	-3	SE	1	mmo	47	97	5	1500	St.	10	-	10	0
Plymouth (Cattewater)	1013.4	-2	SE	3	bc	48	92	6	4000	St.Cu	3	Ci.Cu	4	0
Portland Bill	1014.5	-4	E	2	bc	48	92	6	-	-	0	Ci.Cu	4	2
Southampton (Calshot)	1014.5	-2	SE	3	mb-	47	85	6	-	-	0	Ci	1	0
Dungeness	1015.6	-1	SW	1	c	46	92	6	1500	St.	3	Ci	7	2
Jersey	1012.6	-1	NNE	2	o	52	75	6	800	St.	10	-	10	0

LONDON OBSERVATIONS.	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day
24 Hours ended 0900 G.M.T. 23rd											
Kew (24 hours ended 0700)	ofomw	omf₂	mmwofw	•	•	33	Tr.	-	0.0	•	•
Croydon (24 hours ended 0700)	bcof	of	obfoF.	•	•	36	Tr.	0.1	0.0	•	•
Greenwich (Royal Obsy.)	om	om	omwfd	47	40	34	-	0.3	0.0	83	97
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	•	•	•	48	42	38	1.	[illegible]	0.0	83	94
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0.0	•	•
Camden Square	0	0	•	48	41	37	-	1	•	•	98
Kensington Palace	0	0	•	48	39	33	-	0.4	•	91 (18h)	96
Hampstead Observatory	•	•	•	46	39	33	-	0.3	0.0	•	100

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 22nd

	Max.	Time.	Min.	Time.
South Kensington	1.0	23h. 21st	0.3	3h. 22nd
	2	11h. 22nd		
Kew Observatory	0.6	21h. 21st	<0.3	17h. 21st
	0.9	12h. 22nd		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 22nd 19 h. 00 m. to 23rd 05 h. 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10. 15	01 14	12
δ Ursae Minoris	10. 15	0 . 0	Nil.

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.*

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C C₂	4	-	160
18h.	C C₂	6	-	10°
01h.	C	5	-	170
07h.	C	5	-	10

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

23rd 24th March, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.51 / 5.49	12.0 / 12.0	6.8 / 6.10
Greenwich	5.59 / 5.57	12.7 / 12.7	6.15 / 6.17
Wick	6.10 / 6.4	12.19 / 12.19	6.27 / 6.30
Valencia	6.40 / 6.38	12.48 / 12.48	6.56 / 6.58

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog, " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
u unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; − = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix ₀ indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r₀r₀ = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

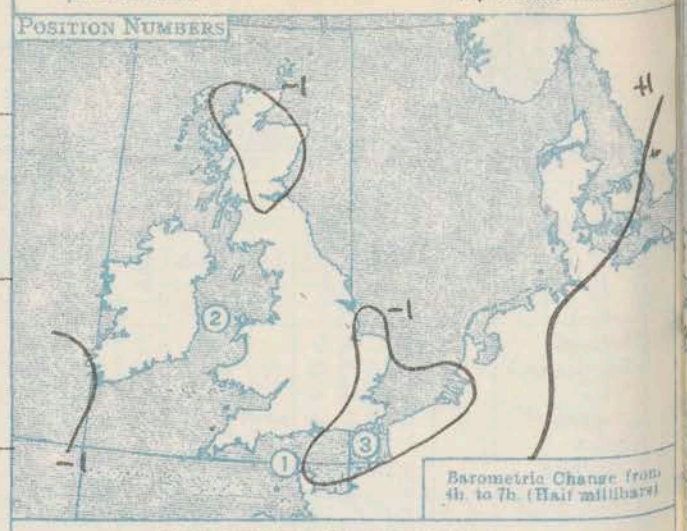
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 22nd	13h.-18h. 22nd	18h. 22nd to 1h. 23rd	1h.-7h. 23rd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 22nd Hours.
Lerwick	b	bc	b	c	48	37	•	-	-	-	-	10.5
Stornoway	c	b.bc	bbc	c	51	30	•	-	-	-	-	6.7
Wick	b-bc	c	bbc	oo	46	41	•	-	-	-	-	•
Castlebay	bff	bff	bm	bmbf	50	40	•	-	-	-	-	7.4
Nairn	cm	cmbc	bcxm	xcm	41	28	•	-	-	-	-	6.8
Aberdeen	tcb	bbcc	com	om	49	39	33	-	-	-	-	6.9
Malin Head	co3	cobc3	b3	b3	47	39	•	-	-	-	-	8.2
Renfrew	obcb3	bbc3y	co	om	52	37	34	-	-	-	-	7.7
Edinburgh (Inchkeith)	c	m	oo	oo	47	39	36	-	Trace	-	-	3.0
Leuchars	ombc	bbc	bco	ooo	46	39	35	-	-	-	-	8.0
Eskdalemuir	bcmb3	by	bcco	ocbbc	51	30	28	-	-	-	-	9.5
Tynemouth	bcif	c	om	oo	46	38	35	-	-	-	-	•
Blacksod Point ...	c	oo	c	c	50	34	•	-	-	-	-	•
Donaghadee	bcm	bc	bc	cm	50	41	•	-	-	-	-	•
Birr Castle	b3b3	RR3	oooo		44			4		1100		
Holyhead	bcbbm	bmcm	ocbcirr	orbc	53	41	39	-	0.2	-	<21.00	7.1
Liverpool (Bidston) ...	cbcbm	omf	f:m	f:m	54	39	31	-	-	-	-	3.7
Chester (Shotwick) ...	cbffz	bo3o3	omom	cmbxff	53	33	25	-	-	-	-	2.5
Spurn Head	b-bc	bbcco	obcofm	oo	49	36	•	-	-	-	-	7.0
Nottingham	c	c	ofo	oo	55	36	37	-	1	-	<2100	2.3
Cranwell	fcmc	bbcco	b	oF	56	36	36	-	-	-	-	5.9
Gorleston	bfb3	b303	offe	ofFe	47	39	38	-	-	-	-	7.4
Valencia (Cahirciveen)	ombc3	bc3cb	bc	bgom	50	42	37	-	-	-	-	3.0
Roches Point	oco	oTo To	oTo To	ToTo1m	48	42		0.4	0.5	1430	-	
Pembroke (St. Ann's H.)	f-m	f-m	f-m	f-m	47	43	•	-	-	-	-	0.0
Ross-on-Wye	Feof	omcm	bmufe	ffer	45	38	32	Trace	0.1	-	-	0.0
Benson...	om	op	robco	ofe	47	34	30	1	0.2	1630	<2100	•
Andover	ofom	obbc3	bcbm	bmufe	51	33	27	-	Trace	-	-	1.9
S. Farnborough ...	off	orff	oo	FF	49	36	32	0.1	Trace	1430	-	0.0
London (New Obsy.) ...	ofbm	omro	omufff	ffw	49	39	33	Trace	-	1730	-	0.0
Croydon	bcof	of	obf	bofo	48	41	35	Trace	0.1	-	06.30	0.0
Clacton-on-Sea ...	bcfm	bcmof	ofm	om	46	41	37	-	-	-	-	2.6
Shoeburyness	cmbcm	bcmof	off	omomid	51	37	31	Trace	0.1	-	05.30	2.1
Grain	ofmom	omom	omcof	ofomd	51	38	33	-	0.3	-	06.30	1.4
Lympne	bdcom	omom	obom	mfro	49	40	29	-	0.5	-	03.30	0.2
Scilly (St. Mary's) ...	cm	cm	om	omd	52	44	•	-	0.5	-	0230	1.0
Falmouth (Pendennis)	of	of	cbcbm	bcof	49	41	•	-	-	-	-	1.4
Plymouth (Cattewater)	cbcbm	bm	bcom	omb	53	41	36	-	-	-	-	6.5
Portland Bill	bmbc	bc	of	fom	52	40	•	-	0.2	-	<21.00	•
Southampton (Calshot)	olrmm	ombm	bmom	orm	50	41	40	Trace	0.2	1100	0530	1.9
Dungeness	f:m	:q	cm	rid	49	43	•	-	3	-	0230	•
Jersey	affm	ambco	omdo	orrc	53	46	•	-	5	-	2200	3.2



Observations from Cross Channel Steamers.

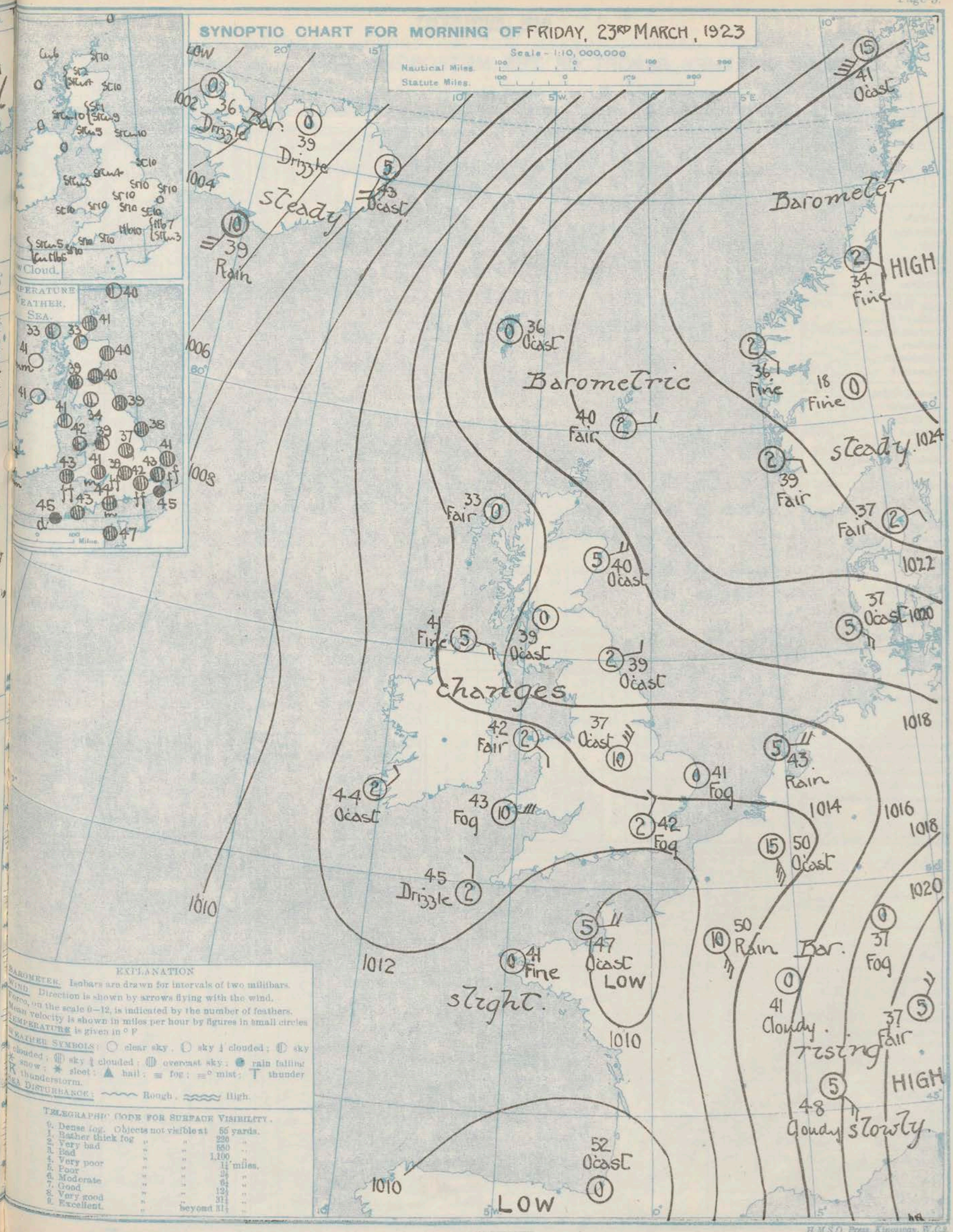
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	22nd 10h	Hibernia	NNE	4	bc	46	47	4
1	22nd 13h	Reindeer	NE	2	b	53	49	5
3	23rd 3h	Dieppe	E	1	orr	47	48	6

GENERAL INFERENCE.

Pressure over the Continent is maintained at a generally high level while depressions lie west and south of these Islands. Rather unsettled weather is likely for a day or two over most of the British Isles with occasional rain, particularly in the South and Southwest.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 23rd March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light easterly winds; much cloud, occasional rain or drizzle; some mist; little change of temperature.	Unsettled. ------
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	Wind mainly southeasterly, light; cloudy, drizzle in places; some mist; little change of temperature.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind mainly southeasterly, light or moderate; fair but mist or fog in places; moderate temperature.	
18. N.E. Ireland	As 7 to 13.	
19. S.E. Ireland 20. S.W. Ireland	As 1 to 6.	

† For Code see annotate book.



H.M.S.O. Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Friday 23rd March 1923. No. 82

Observations at 0100 G.M.T. 23rd

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1020.8	-1	–	0	b	39	92	7	–	–	0	–	0	*
Stornoway	1016.8	0	–	0	b̄	*	*	6	*	*	*	*	*	*
Wick	1018.4	-2	E	1	bct	42	97	8	5400	Cu	4	–	4	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1014.9	-1	S	1	b	44	85	4	–	–	0	–	0	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1017.5	0	E	1	o/f	40	85	8	–	–	0	ASt	10	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1014.1	0	NE	1	o	39	85	6	–	–	0	ASt	10	*
Blacksod Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1013.5	0	SSE	2	orro	46	92	7	2500	StCu	10	–	10	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1016.1	0	NE'N	2	o/f	39	92	5	450	St	10	–	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1016.4	-1	NE'E	2	o	39	97	6	2500	St	10	–	10	*
Gorleston	1016.3	0	SE	1	ffo	40	97	2	2500	St	10	–	10	*
Valencia (Cahirciveen)	1013.7	-1	SE	1	o+	43	85	4	–	StCu	9	–	9	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1012.7	0	E'N	4	ffo	45	92	3	<150	St	10	–	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson														
Andover		*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough		*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)		*	*	*	*	41	*	*	*	*	*	*	*	*
Croydon	1014.4	-2	–	0	ffb	41	97	3	–	–	0	–	0	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1013.9	-2	E'S	3	o	43	92	5	800	St	10	–	10	*
Scilly (St. Mary's)	1012.8	0	N'E	1	o	46	85	6	4000	StCu	10	–	10	*
Falmouth (Pendennis)	1012.3	0	–	0	b/f	45	97	6	–	–	0	–	0	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1013.4	-2	NE	4	ffo	44	92	1	450	St	10	–	10	*
Southampton (Ca. shot)	1013.8	-1	E	3	mmo	43	97	4	220	St	10	–	10	*
Dungeness	1013.7	-1	E	3	o	45	97	6	1500	St	10	–	10	*
Jersey 7h / Guernsey 1h	1013.3	-1	NNE	2	mb	47	97	6	–	–	0	CiSt	2	*

Observations at 0700 G.M.T. 23rd

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1020.1	0	E	1	bc+	40	85	4	–	–	0	ACu	5	0
Stornoway	1015.4	-1	–	0	bc	33	92	7	4000	Cu	6	–	6	0
Wick	1016.8	-1	ESE	1	o	41	97	8	1500	St	10	–	10	0
Castlebay	1015.0	0	–	0	mmb	41	92	6	–	–	0	–	0	0
Nairn	1016.9	*	–	0	bc+	33	92	7	1500	StCu	6	–	6	*
Aberdeen	1017.4	-1	E'N	2	o	40	85	6	1500	St	10	–	10	0
Malin Head	1014.1	0	E	2	b-	41	92	4	–	–	0	–	0	5
Renfrew	1016.4	-1	–	0	o-	39	92	6	2500	StCu	10	–	10	*
Edinburgh (Inchkeith)	1016.5	0	E	1	o+	40	85	8	–	StCu	10	–	10	1
Leuchars	1016.5	-1	NNE	1	o	39	92	7	2500	StCu	10	–	10	*
Eskdalemuir	1016.6	0	N	3	bc+	34	85	4	2500	StCu	5	–	5	*
Tynemouth	1016.8	0	ENE	1	o	39	85	4	4000	StCu	10	–	10	1
Blacksod Point	1013.5	+1	E	3	o	44	92	5	–	–	0	ASt	10	4
Donaghadee	1016.3	+1	ESE	2	c	41	85	4	–	–	0	ASt	8	1
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1013.1	0	SE	1	bc	42	92	5	4000	StCu	3	ACu	6	0
Liverpool (Bidston)	1013.7	0	E'S	2	c	39	85	4	2500	StCu	4	CiCu	4	3
Chester (Shotwick)	1014.4	0	E	1	fb+	33	97	3	–	–	0	ACu	1	*
Spurn Head	1015.4	-1	NE	3	o	38	92	6	800	St	10	–	10	3
Nottingham	1015.1	0	NE	3	o	34	97	5	1500	St	10	–	10	*
Cranwell	1015.6	0	NE	3	ffo	34	97	3	450	St	10	–	10	*
Gorleston	1015.1	0	–	0	fo+	41	94	1	1500	St	10	–	10	0
Valencia (Cahirciveen)	1012.1	-1	ENE	1	mmo	44	85	5	800	St	10	–	10	0
Roches Point	1012.6	0	NNE	2	o	43	97	6	1500	St.	10	–	10	0
Pembroke (St. Ann's H.)	1012.3	0	E	3	ffo	43	97	3	<150	St	10	–	10	2
Ross-on-Wye	1013.4	0	ENE	2	mo-	41	97	4	450	St	10	–	10	*
Benson	1012.6	0	NE	2	ffo	39	97	3	–	St	10	–	10	*
Andover	1012.5	-1	ENE	2	FFo	41	97	1	<150	St	10	–	10	*
S. Farnborough	1012.8	0	–	0	FFo	41	97	1	<150	St	10	–	10	*
London (Kew Obsy.)	1012.7	0	NE'N	1	ffo	42	97	3	800	St	10	–	10	*
Croydon	1013.1	-1	NE'E	2	odd	41	97	2	450	St	10	–	10	*
Clacton-on-Sea	1013.5	-1	ENE	3	ffo	43	97	3	–	–	0	ASt	10	0
Shoeburyness	1013.1	-1	NE	1	od	45	92	5	1500	St	10	–	10	0
Grain	1013.0	-2	ENE	3	od+	44	97	4	1500	St	10	–	10	*
Lympne	1012.4	-2	E	3	or	43	97	5	2500	Nb	10	–	10	*
Scilly (St. Mary's)	1012.1	0	N	1	od	45	92	6	2500	CuNb	10	–	10	1
Falmouth (Pendennis)	1012.0	0	–	0	mo+	43	97	4	1500	St	10	–	10	0
Plymouth (Cattewater)	1011.8	0	N	1	mmo	42	97	5	<150	St	10	–	10	0
Portland Bill	1011.3	?	ENE	4	mo-	44	92	5	450	St	10	–	10	4
Southampton (Ca. shot)	1012.1	-1	N	3	orr	41	97	4	450	Nb	10	–	10	0
Dungeness	1012.2	-2	E	2	orr	45	97	7	4000	Nb	10	–	10	2
Jersey 7h / Guernsey 1h	1010.2	0	E	2	c/r	47	92	7	2500	StCu	4	–	4	3

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

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temp. Min. Night 21st °F.	Temp. Max. Day 22nd °F.	Rainfall† Night 17h.-9h. 21st-22nd mm.	Rainfall† Day 9h.-17h. 22nd mm.	Sunshine Sunrise to 17h. 22nd hr.	Sunshine Sunrise to Sunset 21st hr.
Montrose	-	-	32	48	0.1	-	9.9	9.7
Llandudno	bc	bcc	36	55	-	-	5.7	2.3
Colwyn Bay	cbc	bcc	36	56	-	-	?	2.6
Rhyl	bc	bc	37	53	-	-	3.9	1.3
Southport	bcby	bybcz	38	56	-	-	5.5	8.2
Blackpool	c	bcc	40	56	-	-	4.7	7.7
Ilkley	mb	b	36	54	-	-	9.0	7.1
Harrogate	b	b	36	52	-	-	9.1	5.9
Skegness	b	bbcc	32	47	-	-	6.6	6.6
Aberystwyth	oc	co	38	54	-	-	0.5	1.7
Bath	mo	mocbc	38	51	-	-	0.0	0.4
Leamington Spa	o	od	37	47	-	-	0.0	0.7
Lowestoft	b	bco	37	47	-	-	7.2	6.5
Felixstowe	bf	of	34	47	-	-	1.9	4.6
Southend	moc	om	39	54	-	-	1.0	2.3

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temp. Min. Night 21st °F.	Temp. Max. Day 22nd °F.	Rainfall† Night 17h.-9h. 21st-22nd mm.	Rainfall† Day 9h.-17h. 22nd mm.	Sunshine Sunrise to 17h. 22nd hr.	Sunshine Sunrise to Sunset 21st hr.
Ilfracombe	oz	cbcc	43	52	-	-	0.6	7.9
Bude	fmcbc	bccm	43	52	-	-	2.7	5.9
Penzance	cz	cz	40	53	-	-	6.8	7.4
Paignton	bmbcm	bcm	37	52	-	-	3.8	6.3
Torquay	cbbc	b	41	54	-	-	5.9	7.1
Weymouth	oc	bc	36	52	-	-	2.0	4.7
Bournemouth	fo	bbc	32	53	-	-	3.1	3.7
Portsmouth (S'thsea)	of	ob	40	52	-	-	2.8	6.7
Worthing	oc	c	43	51	2	-	0.2	7.8
Brighton	o	c	44	56	?	-	0.0	5.5
Eastbourne	o	ocbc	41	50	2	-	0.8	3.4
Hastings	ofm	om	43	48	2	-	0.0	3.0
Folkestone	o	o	39	51	-	-	1.4	5.1
Tunbridge Wells	o	o	36	51	1	-	0.0	3.2
Ramsgate	bco	ofom	36	51	-	-	2.1	1.4
Margate	bc	ofo	39	48	0.1	-	1.2	1.6
Deal	omc	cm	34	53	-	-	1.5	1.2

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22402 Saturday, 24th March 1923.

Observations at 1300 G.M.T. 23rd.

Stations	Barom. at M.S.L. m.b	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1019.4	0	SE	1	c+	46	85	6	4000	Cu	2	ASt	7	•
Stornoway	1015.7	0	SW	3	b-	47	85	7	-	-	0	-	0	•
Wick	1016.5	0	SSE	1	o	42	97	7	800	St	10	-	10	•
Castlebay	1014.7	0	SE	3	mb	49	85	6	-	-	0	-	0	•
Nairn	•	•	•	•	•	•	•							•
Aberdeen	1016.8	-2	E	2	o	45	75	6	1500	St	9	-	9	0
Malin Head	1014.0	0	E	3	b	45	92	7	-	-	0	-	0	•
Renfrew	1015.7	+1	NE	3	b-	45	75	6	4000	StCu	1	-	1	0
Edinburgh (Inchkeith)	1015.8	-1	NE	3	bc-	45	75	8	*	StCu	2	CiSt	4	•
Leuchars	1016.0	-1	ESE	2	o	42	85	7	2500	StCu	10	-	10	0
Eskdalemuir	1014.5	-2	NE'E	3	b-	47	65	7	-	-	0	-	0	0
Tynemouth	1015.8	-1	NE	1	bc-	43	75	7	-	-	0	ACu	5	•
Blacksod Point	1012.5	-2	E	2	o	50	86	5	-	-	0	ASt	10	•
Donaghadee	1015.8	0	E	1	bc-	44	85	8	-	-	0	ASt	5	•
Birr Castle	1013.0	*	NE	1	of	44	92	5	2500	StCu	9	-	9	•
Holyhead	1012.9	-1	E	3	o-	49	85	6	2500	StCu	7	ACu	9	0
Liverpool (Bidston)	1013.2	-2	SE'E	1	o+	46	75	3	1500	St	10	-	10	•
Chester (Shotwick)	1013.7	-1	SSE	2	od₀	44	85	4	1500	St	10	-	10	5
Spurn Head	1014.2	-1	N'E	4	mot	40	92	4	450	St	10	-	10	•
Nottingham	1014.0	-2	NE	3	o	40	92	7	1500	St	10	-	10	•
Cranwell	1014.4	-2	NNE	3	od₀	39	97	5	450	St	10	-	10	0
Gorleston	1013.7	-1	NNE	2	or-	44	97	0	2500	Nb	10	-	10	•
Valencia (Cahirciveen)	1012.5	0	SE'S	2	b	54	65	6	2500	Cu	3	-	3	0
Roches Point	1012.6	0	ENE	1	o	47	97	6	4000	St	10	-	10	•
Pembroke (St. Ann's H.)	1012.7	+1	SE	3	mmo	47	85	5	<150	St	10	-	10	•
Ross-on-Wye	1013.3	0	NNE	2	od₀	41	92	4	450	St	10	-	10	1
Benson	1012.5	-1	NE	3	or₀r₀	43	97	5	*	Nb	10	-	10	2
Andover	1012.3	0	NNE	2	o/r	45	92	6	1500	St	8	ASt	10	1
S. Farnborough	1012.1	-2	-	0	ffo	44	97	2	<150	Nb	10	-	10	2
London (Kew Obsy.)	1012.0	-1	E	2	or₀r₀	46	85	3	800	Nb	10	-	10	2
Croydon	1012.4	-1	NE'E	3	or₀r₀	44	92	6	800	StCu	10	-	10	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1011.8	-2	NE	3	od-	45	85	5	1500	Nb	10	-	10	*
Grain	1012.0	-1	NE	4	odd	44	97	5	1500	Nb	10	-	10	2
Lympne	1010.9	-2	NE'E	3	or₀r₀	44	97	5	450	Nb	10	-	10	2
Scilly (St. Mary's)	1012.9	+1	-	0	c/r	46	85	7	4000	StCu	8	-	8	•
Falmouth (Pendennis)	1012.3	0	-	0	mo-	49	75	6	5700	StCu	9	-	9	•
Plymouth (Cattewater)	1012.1	0	N	1	or₀r₀	46	92	5	450	Nb	10	-	10	1
Portland Bill	1011.6	0	NNE	3	orr	45	92	1	450	St	10	-	10	•
Southampton (Calshot)	1011.8	-1	NNW	2	o/r	47	85	6	4000	St	6	ASt	10	1
Dungeness	1009.5	-1	E	3	o/r	47	92	7	4000	Nb	10	-	10	•
Jersey	1011.5	0	SE	3	c	53	75	7	4000	StCu	7	-	7	•

Observations at 1800 G.M.T. 23rd.

Stations	Barom. at M.S.L. m.b	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1018.7	-1	-	0	c	43	92	7	800	StCu	7	-	7	0
Stornoway	1014.3	0	E	2	b	45	85	7	-	-	0	-	0	0
Wick	1015.8	-1	E	2	mmo	43	97	6	450	St.	10	-	10	0
Castlebay	1013.9	0	SW	2	mub	48	92	6	-	-	0	-	0	2
Nairn	1015.4	*	ENE	2	bc	42	85	7	1500	Cu	5	-	5	•
Aberdeen	1016.0	0	NE	2	o	43	85	6	1500	St.	10	-	10	0
Malin Head	1013.3	0	E	2	b	45	92	7	-	-	0	-	0	4
Renfrew	1014.4	-1	ENE	1	b	45	75	5	-	-	0	-	0	•
Edinburgh (Inchkeith)	1015.3	-1	ESE	3	b	41	85	8	-	-	0	-	0	2
Leuchars	1014.9	-1	ESE	2	b	41	85	7	-	-	0	-	0	•
Eskdalemuir	1014.2	0	NE	3	b	41	85	6	-	-	0	Ci	2	•
Tynemouth	1014.8	-1	NE	2	o	42	85	6	4000	StCu	10	-	10	0
Blacksod Point	1013.5	+1	E	2	o-	44	92	4	-	-	0	ASt	10	4
Donaghadee	1015.1	-1	NNE	2	b	44	85	7	-	-	0	A.St	3	1
Birr Castle	1012.9	*	NE	1	fo	50	75	3	<150	St.	10	-	10	•
Holyhead	1013.5	+1	SW'S	2	b	47	92	6	-	-	0	A.Cu	1	1
Liverpool (Bidston)	1013.3	+1	SE	1	o+	43	85	4	2500	St.	10	-	10	3
Chester (Shotwick)	1013.5	0	SSE	1	ffo	43	85	3	2500	St.	6	A.Cu	10	•
Spurn Head	1013.3	-1	N'E	3	mmo	41	92	4	450	St	10	-	10	2
Nottingham	1013.6	0	NNE	1	o	40	92	5	1500	St.	10	-	10	*
Cranwell	1014.1	0	NNE	3	ffo	39	97	1	450	St.	10	-	10	•
Gorleston	1012.4	-1	NNE	3	orr	43	97	3	2500	Nb	10	-	10	0
Valencia (Cahirciveen)	1012.6	+1	SSW	2	b	50	75	6	2500	StCu	2	-	2	0
Roches Point	1013.0	0	-	0	b-	45	97	6	4000	StCu	2	-	2	0
Pembroke (St. Ann's H.)	1013.5	+2	SE	2	mmo	45	92	5	1500	StCu	8	-	8	2
Ross-on-Wye	1013.9	+1	NNW	1	or-	40	97	3	450	Nb	10	-	10	•
Benson	1013.2	+1	NE	1	od₀	42	97	4	*	St	10	-	10	•
Andover	1012.7	+1	-	0	odd₀	43	97	2	<150	St.	10	-	10	•
S. Farnborough	1013.3	+1	NNW	2	or₀r₀	42	92	6	1500	St.	5	A.St	10	•
London (Kew Obsy.)	1012.9	+1	NW	1	o/r	45	92	5	800	CuNb	7	A.St	10	•
Croydon	1012.7	+1	-	0	o/r	43	97	3	<150	St.	10	-	10	•
Clacton-on-Sea	1010.8	-1	N	2	od-	45	97	4	1500	St.	8	A.St	10	0
Shoeburyness	1011.6	0	NNW	3	odd₀	44	92	5	1500	St.	10	-	10	•
Grain	1011.8	+1	NNW	3	odd	44	97	5	800	Nb	10	-	10	
Lympne	1011.2	+2	W'S	2	ffo	47	97	3	<150	St.	10	-	10	•
Scilly (St. Mary's)	1013.3	0	-	0	b	48	85	7	4000	Cu	1	-	1	1
Falmouth (Pendennis)	1013.5	+2	N	1	o/r	45	92	6	4000	StCu	10	-	10	0
Plymouth (Cattewater)	1013.0	+1	-	0	or₀r₀	45	97	5	<150	Nb	10	-	10	0
Portland Bill	1012.6	+3	NNE	2	ffo	44	92	1	450	St.	10	-	10	2
Southampton (Calshot)	1013.0	+2	NNW	3	dd₀	45	92	5	2500	St.	10	-	10	0
Dungeness	1011.4	+1	SW	2	o	47	92	7	1500	St.	10	-	10	3
Jersey	1011.8	0	SSW	3	o	50	85	7	4000	StCu	9	-	9	0

London Observations. (Weather and Temperature: 24 hours ended 0900 G.M.T. 24th.)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew (24 hours ended 0700)	ofrq	ofrqm	ombm	•	•	32	3	-	0.0	•	•
Croydon (24 hours ended 0700)	or₀r₀fm	omf₀	ofmd	•	•	35	2	Tr	0.0	•	•
Greenwich (Royal Obsy.)	ordm	oidm	omb	44	39	34	2	-	0.0	94	85
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	•	•	•	44	40	34	2		0.0	89	80
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0.0	•	•
Camden Square	or	r	•	46	40	34	2	-	•	•	84
Kensington Palace	odr	odr	•	46	39	35	2	-	•	88 (18h)	84
Hampstead Observatory	•	•	•	44	38	30	2	-	0.0	•	92

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1600 G.M.T. 23rd.

South Kensington

Max.	Time.	Min.	Time.
1.0	19h.22nd	0.3	3h.23rd
1.0	9h.23rd		

Kew Observatory

Max.	Time.	Min.	Time.
0.6	23h.22nd – 1h.23rd	<0.3	5h.23rd
0.5	10h.23rd		

Pole Star Record at Greenwich Obsy.

Exposure from 23rd 19 h. 0 m. to 24th 5 h. 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10 15	Nil	0
δ Ursae Minoris	10 15	Nil	0

Code for State of Ground.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow [illegible] impeding traffic, usually a continuous layer.
9 = Glazed roads (ice on roads from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	C,C₂	6	-	155°
18h.	C,C₂	6	-	15°
01h.	C	5	-	150°
07h.	C	5	-	160°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 24th & 25th March, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.49 / 5.47	12.0 / 11.59	6.10 / 6.11
Greenwich	5.57 / 5.54	12.7 / 12.6	6.14 / 6.16
Wick	6.7 / 6.4	12.19 / 12.18	6.30 / 6.33
Valencia	6.38 / 6.35	12.48 / 12.47	6.58 / 6.59

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
r₀r₀ = continuous light rain.

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Sea Disturbance.
0 = no swell; 1 = mod. swell; 2 = heavy swell — Calm or slight sea.
3 = no swell; 4 = mod. swell; 5 = heavy swell — Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

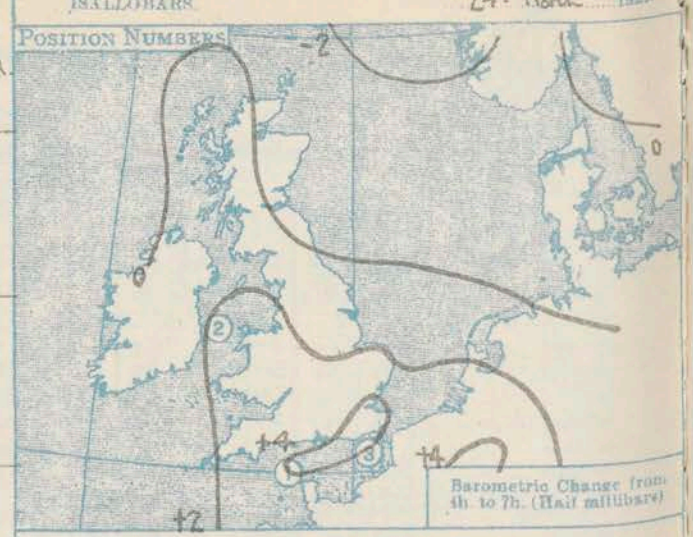
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For scale see page 2.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 23rd	13h.-18h. 23rd	18h. 23rd to 1h. 24th	1h.-7h. 24th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 23rd Hours.
Lerwick	cm	c	b	c	44	40	•	-	-	-	-	5.3
Stornoway	b-bc	b-bc	bbc	bcj	43	29	•	-	-	-	-	9.8
Wick	oo	omm	oo	ohr	43	41	•	-	-	-	-	•
Castlebay	bff	bmff	iff	bcfx	49	40	•	-	-	-	-	10.0
Nairn	cbc	bcm	bcmc	cm	44	30	•	-	0.3	-	<2100	6.0
Aberdeen	om	obco	om	omir	44	41	40	-	0.1	-	06.30	1.2
Malin Head	b3	b3	bz3	bfx	46	34	•	-	-	-	-	10.3
Renfrew	obc3	bb3	bzm	bFFx	48	23	15	-	-	-	-	6.4
Edinburgh (Inchkeith)	bc	bcb	bo	m	46	35	28	-	-	-	-	5.3
Leuchars	oo	ocbcb	bo	oom	43	35	24	-	-	-	-	3.3
Eskdalemuir	cbc	b3	b	bbccxm	49	26	24	-	-	-	-	10.2
Tynemouth	c	om	om	om	45	34	32	-	-	-	-	•
Blacksod Point ...	oo						•					•
Donaghadee	c	bcm	bcm	bmx	45	?36	•	-	-	-	-	•
Birr Castle	ocf3	offo	oc	ocfx	53	29	24	-	-	-	-	3.3
Holyhead	bccom	ocbcm	bbccffw	ofwm	51	42	34	-	Trace	-	-	1.3
Liverpool (Bidston) ...	cbcom	f-m	cm		44	38	29	-	-	-	-	0.1
Chester (Shotwick) ...	bfoodm	omaff	off	ocbff	46	33	23	Trace	-	1100	-	0.2
Spurn Head	oo	ffod	rd	orom	41	34	•	0.1	2	1630	<2100	0.0
Nottingham	oo	bo	r r	om	41	34	33	-	1	-	<2100	0.0
Cranwell	fmid	mdof	rr	odof	39	36	34	Trace	5	1100	<2100	0.0
Gorleston	orm	oprr	ofrro	oz	44	41	40	5	2	0900	<2100	0.0
Valencia (Cahirciveen)	obcb3	bcb3	bc	bmco	54	39	35	-	-	-	-	6.0
Roches Point	ozm	ocb	bim	ffeom	50	39	—	0.3	—	—		
Pembroke (St. Ann's H.)	ott	cffb	oz of	aife	49	39	•	-	-	-	-	0.5
Ross-on-Wye	omid	rrm	rfd	Rfe	41	33	30	5	0.6	1230	<2100	0.0
Benson...	omr	o	r	o	44	36	30	1	1	0900	<2100	•
Andover	oforro	ooff	orrcm	cmbff	?46	31	24	4	1	<0800	<2100	0.0
S. Farnborough ...	orrf	RRGrm	odff	ocbmm	45	34	29	3	0.1	1330	<2100	0.0
London (Kew Obsy.) ...	ofrofrg	sfrgormom	omom	ombmr	46	40	32	3	-	<0800	-	0.0
Croydon	ofrfm	omfr	of	ofmd	46	39	35	2	Trace	<0800	06.30	0.0
Clacton-on-Sea ...	ogmr	ogmd	ogmd	ogmcm	46	40	39	5	0.2	0900	-	0.0
Shoeburyness	odrrodm	rd	odamcm	bcw	46	39	36	7	0.3	<0800	<2100	0.0
Grain	mfRd	ordde	dmom	omom	45	39	34	8	0.2	<0800	<2100	0.0
Lympne	rrm	odfmf	of	obfmw	47	38	33	5	Trace	<0800	-	0.0
Scilly (St. Mary's) ...	omir	bm	b	bbcw	50	41	•	2	Trace	<0800	-	4.4
Falmouth (Pendennis)	om	omr	cbcbm	F	49	34	•	0.2	-	1330	-	0.5
Plymouth (Cattewater)	odrm	orrm	orm	obmcw	44	35	31	4	0.3	0900	<2100	0.0
Portland Bill	omfr	rof	ocb	bbc	44	39	•	1	-	1100	-	•
Southampton (Calshot)	oirom	oidomm	rodbc	c	44	34	31	2	0.1	<0800	<2100	0.0
Dungeness	r-d	oo	oo	ofo	49	40	•	5	-	<0800	-	•
Jersey	cbcoc	cbcco	obcbc	bffe	55	41	•	-	-	-	-	4.5

ISALLOBARS. 24th March ..... 1923.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Visibility. ¶
3	23rd 0300	Dieppe	E	1	orf	49	48	6
2	" 1010	Hibernia	NE	4	f	44	44	4

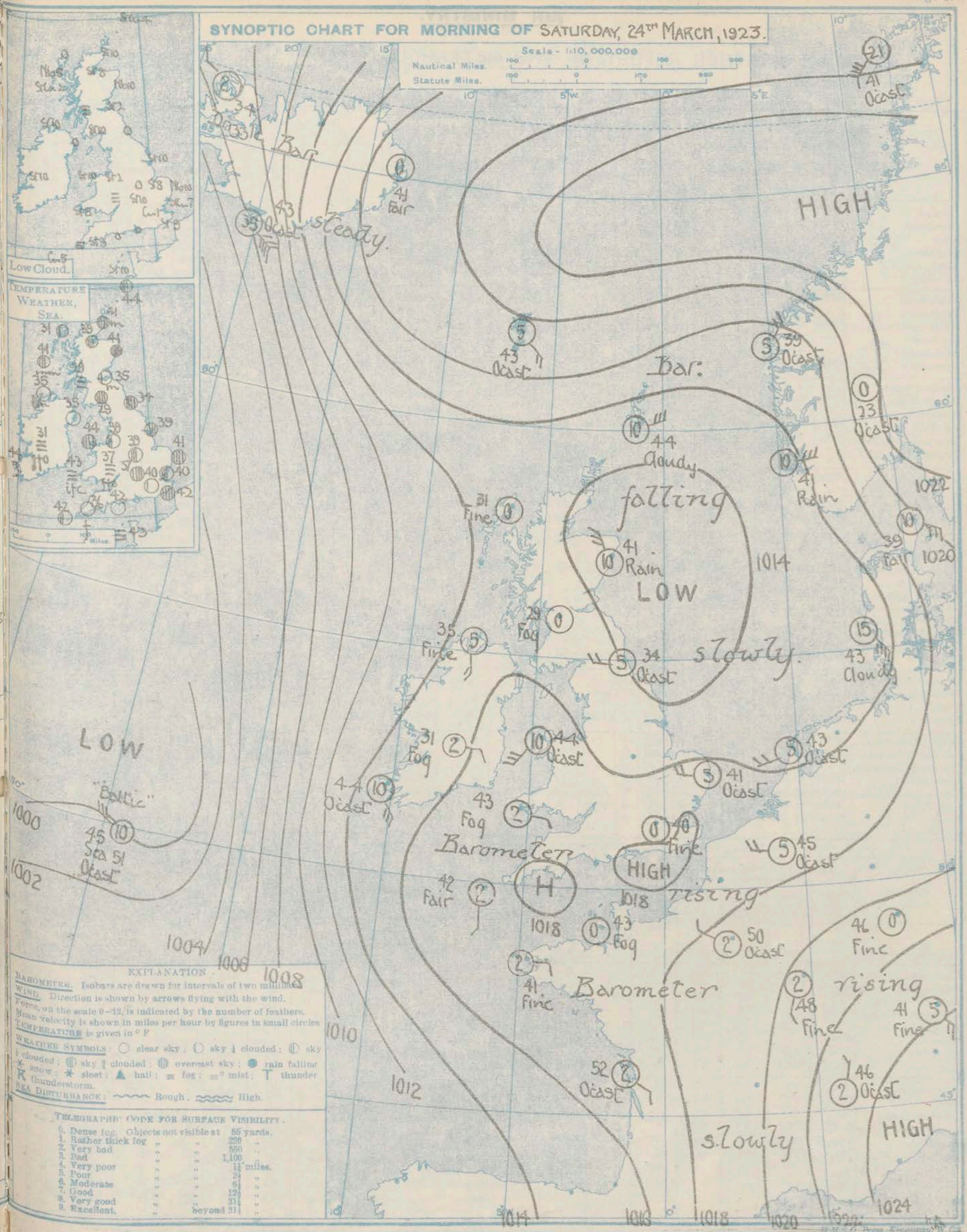
GENERAL INFERENCE.

A shallow depression over the Northern North Sea is moving slowly north. Apart from some showers locally in the northeast of Scotland weather will be fair or fine generally, with a moderate day temperature. There is a risk of further disturbances approaching from S or S.W. after today and causing weather to deteriorate again in the South.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday 24th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light indefinite or southeasterly winds; mainly fair but risk of rain later; morning, mist or fog; moderate day temperature; slight frost locally at night.	Unsettled. -----
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	Light indefinite winds; fair generally; morning mist or fog; moderate day temperature, frost locally at night.	
19. S.E. Ireland 20. S.W. Ireland	As 1 to 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0945 GMT. G. C. SIMPSON, F.R.S., Director.

¶ For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF SATURDAY, 24TH MARCH, 1923.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Low Cloud.
TEMPERATURE
WEATHER.
SEA.
HIGH
Bar.
steady.
falling
LOW
slowly.
Barometer
rising
"Baltic"
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 ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough. High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles.
5. Poor " " 2 "
6. Moderate " " 6 "
7. Good " " 12 "
8. Very good " " 31 "
9. Excellent. " beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... Saturday, 24th March ... 1923. No. 83

Observations at 0100 G.M.T. 24th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1014.6	-3	ESE	2	b	43	95	4	-	-	0	A Cu	1	•
Stornoway	1015.9	0	-	0	b	•	•	6	•	•	•	•	•	•
Wick	1015.1	-1	ENE	1	0	42	94	4	800	St	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Kairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1014.3	0	-	0	b	40	85	4	-	-	0	-	0	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1014.6	0	WNW	2	0	39	85	4	*	St	10	-	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1014.2	-1	NNW	1	0	38	85	6	-	-	0	A St	10	•
Blacksod Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1015.0	+1	SSW	1	mmo	43	94	5	800	St	10	-	10	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1013.5	0	NW	4	or.r.	39	92	4	1500	Nb	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1014.4	+1	NW'N	3	odd	34	94	6	1500	St	10	-	10	•
Gorleston	1013.3	+1	WNW	2	o/T	42	94	6	4000	St	10	-	10	•
Valencia (Cahirciveen)	1014.3	0	SSE	1	bc	45	94	4	*	St Cu	5	-	5	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1015.5	+1	NE	1	ffo	41	94	3	<150	St	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	*	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	*	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	*	•	•	•	•	41	•	•	•	•	•	•	•	•
Croydon	1014.8	+1	-	0	ffo	42	94	3	450	St	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1016.2	+4	NNW	2	fo+	42	94	2	<150	St	10	-	10	•
Scilly (St. Mary's)	1018.6	+1	-	0	b	44	92	4	-	-	0	-	0	•
Falmouth (Pendennis)	1016.4	+2	-	0	mb-	41	94	6	-	-	0	-	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1014.9	+3	E	1	b-	42	92	4	-	-	0	-	0	•
Southampton (Ca. shot)	1015.4	+2	W'N	2	0	42	94	4	2500	St	10	-	10	•
Dungeness	1014.4	+2	WSW	2	0	43	94	6	1500	St	10	-	10	•
Jersey 7h } Guernsey 1h }	1014.1	+3	ESE	1	mb-	45	94	5	-	-	0	A St	3	•

Observations at 0700 G.M.T. 24th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1015.8	-2	ENE	3	c	44	95	4	5400	St Cu	4	A St	8	2
Stornoway	1014.4	+1	-	0	b	31	94	3	-	-	0	A Cu	3	0
Wick	1014.0	-1	N	1	mmo	41	94	5	450	St	10	-	10	0
Castlebay	1013.5	0	-	0	mmc	41	94	6	1500	Nb	4	-	4	0
Kairn	1014.5	•	-	0	c/m	39	92	4	1500	St	8	-	8	•
Aberdeen	1013.4	-1	NNW	3	or	41	92	6	1500	Nb	10	-	10	0
Malin Head	1014.2	0	S	2	mb+	35	94	6	-	-	0	-	0	4
Renfrew	1015.4	+1	-	0	ffo	29	94	1	<150	St	10	-	10	•
Edinburgh (Inchkeith)	1014.2	-1	W	2	mb+	35	94	6	*	St	2	-	2	1
Leuchars	1013.6	0	W	2	0	34	92	6	2500	St	9	A St	10	•
Eskdalemuir	1014.6	+1	N	2	0	29	94	4	225	St	10	-	10	•
Tynemouth	1014.0	0	W	2	0	34	92	6	-	-	0	A St	10	0
Blacksod Point	1016.0	+1	NW	2	b-	35	94	4	-	-	0	-	0	1
Donaghadee	1015.5	•	E	1	ffo	31	94	3	<150	St	10	-	10	•
Birr Castle	1016.1	+3	SW'S	3	0	44	94	5	800	St	10	-	10	2.5
Holyhead	1015.9	+2	WSW	1	bc-	39	92	4	2500	St	2	A St	4	1
Liverpool (Bidston)	1015.8	+3	SSE	2	ffb	34	94	3	4000	Cu	1	-	1	•
Chester (Shotwick)														
Spurn Head	1015.0	+2	SW'S	2	o/T	39	92	5	800	St	10	-	10	1
Nottingham	1015.8	+2	WSW	2	c-	39	92	5	-	-	0	A St	4	•
Cranwell	1016.1	+2	WSW	3	0	34	94	3	800	St	8	A St	10	•
Gorleston	1016.5	+1	W	2	0	41	92	6	4000	Nb	10	-	10	0
Valencia (Cahirciveen)	1014.6	0	SE	3	0	44	85	4	2500	St Cu	2	Cu St	9	1
Roches Point	1015.6	+1	-	0	0	42	97	5	2500	St	10	-	10	0
Pembroke (St. Ann's H.)	1016.9	+2	E	1	cimc	43	92	4	800	St	8	-	8	1
Ross-on-Wye	1014.4	+2	SSW	2	FFo	34	94	1	<150	St	10	-	10	•
Benson	1014.4	+2	-	0	0	34	94	5	*	St	10	-	10	•
Andover	1018.0	+3	-	0	FFb	32	94	1	-	-	0	-	0	•
S. Farnborough	1014.4	+3	-	0	mmb	34	92	5	-	-	0	-	0	•
London (Kew Obsy.)	1018.2	+4	-	0	b+	40	92	6	2500	Cu	1	-	1	•
Croydon	1014.9	+3	SW	2	bc-	39	94	5	4000	St Cu	6	-	6	•
Clacton-on-Sea	1014.1	+4	WNW	3	c-	40	94	6	5400	St Cu	4	-	4	0
Shoeburyness	1014.9	+3	-	0	mmb	41	85	5	-	-	0	A St	5	•
Grain	1018.0	+5	W	1	0	41	94	5	1500	St	10	-	10	0
Lympne	1018.0	+5	WNW	1	0-	40	94	4	800	St	9	-	9	•
Scilly (St. Mary's)	1018.2	+1	S	1	bc	42	92	4	4000	Cu	5	-	5	1
Falmouth (Pendennis)	1018.9	+2	-	0	fb+	36	94	1	-	-	0	-	0	0
Plymouth (Cattewater)	1014.2	+2	ENE	1	mmb	36	94	5	1500	St	3	-	3	0
Portland Bill	1016.2	+4	NE	1	b	42	92	4	-	-	0	-	0	2
Southampton (Ca. shot)	1018.1	+4	WSW	2	mmb	34	94	5	-	-	0	-	0	0
Dungeness	1014.9	+2	NNE	2	off	42	94	4	2500	St Cu	10	-	10	3
Jersey 7h } Guernsey 1h }	1014.5	+1	-	0	FFo	43	94	1	450	St	10	-	10	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR March 23rd

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 22nd °F.	Temperature. Max. Day. 23rd °F.	Rainfall.† Night 17h.-9h. 22nd-23rd mm.	Rainfall.† Day 9h.-17h. 23rd mm.	Sunshine. Sunrise to 17h. 23rd hr.	Sunshine. Sunrise to Sunset. 22nd hr.
Montrose	-	-	39	43	-	-	3.5	10.7
Llandudno	o3	o3	40	49	-	-	0.0	5.7
Colwyn Bay	c	c	38	49	-	-	0.3	6.7
Rhyl	o	o	38	51	-	-	0.0	3.9
Southport	oc3	o3	35	49	-	-	0.5	5.5
Blackpool	o	co	35	51	-	-	1.3	4.7
Ilkley	ombc	b	33	54	-	-	2.4	9.0
Harrogate	ocbc	co	33	46	-	-	0.7	9.1
Skegness	ofcd	fdor	38	42	-	1	0.0	6.6
Aberystwyth	ooc	o	39	47	-	1	0.0	0.5
Bath	mor	rr	34	44	-	6	0.0	0.0
Leamington Spa	o	or	39	41	2	1	0.0	0.0
Lowestoft	forso	orr+	39	44	-	5	0.0	7.2
Felixstowe	ofomr	omr	39	45	-	4	0.0	1.9
Southend	mor	orm	39	45	2	5	0.0	1.0
Ilfracombe	o	o	42	47	-	-	0.0	0.6
Bude	omrr	rroom	38	54	-	1	0.0	2.2
Penzance	o3	drco	40	49	-	1	0.5	0.8
Paignton	ombco	omr	41	50	-	-	1.7	0.0
Torquay	-	-	44	49	-	-	1.5	5.9
Weymouth	oed	d	40	45	-	1	0.0	3.0
Bournemouth	o	o	38	45	0.3	1	0.0	3.1
Portsmouth (S'thsea)	for	odgm	42	47	2	1	0.0	3.0
Worthing	ro	o	43	47	5	0.3	0.0	0.2
Brighton	o	c	43	55	5	0.1	0.0	0.0
Eastbourne	rd	oc	43	46	7	2	0.0	0.8
Hastings	ord	odmo	43	47	7	1	0.0	0.0
Folkestone	r	o	41	50	2	8	0.0	1.4
Tunbridge Wells	od	ad	41	46	2	4	0.0	0.0
Ramsgate	ofr	rqm	43	49	1	7	0.0	2.1
Margate	dr	dr	43	50	0.2	6	0.0	2.2
Deal	orr	rro	42	49	4	6	0.0	2.5

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22403 Sunday, 25th March 1923. Page 1.

Observations at 1300 G.M.T. 24th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather	Temp. °F.	Humidity %	Visibility.§ 0–9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Cloud Upper Form	Cloud Total Amt. 0–10	State of ground
Lerwick	1013.8	-4	NE	3	opr$_o$	44	75	7	4000	Nb	4	ASt	10	•
Stornoway	1014.8	0	ENE	3	c+	45	85	6	4000	Cu	8	–	8	•
Wick	1012.7	-1	NNW	2	or$_o$r$_o$	42	92	7	800	St	10	–	10	•
Castlebay	1014.4	0	SW	3	mmb	49	85	7	–	–	0	–	0	•
Nairn	•	•	•	•	•	•	•							•
Aberdeen	1012.4	-1	NW'N	5	o	44	85	7	800	St	10	–	10	1
Malin Head	1014.3	0	ENE	1	mmb	49	85	6	4000	Cu	1	–	1	•
Renfrew	1014.5	-1	WNW	4	b	53	55	6	–	–	0	–	0	0
Edinburgh (Inchkeith)	1013.8	-1	W	3	mmbc	44	75	5	–	St	5	–	5	•
Leuchars	1012.8	-1	W	3	b	50	65	6	–	–	0	–	0	0
Eskdalemuir	1015.8	0	SSE	4	b	46	65	6	–	–	0	–	0	0
Tynemouth	1014.7	+1	W	1	b-	46	75	6	–	–	0	CiCu	2	•
Blacksod Point	1015.9	0	SW	2	b	54	75	7	–	–	0	–	0	•
Donaghadee	1015.2	*	E	1	bc-	51	75	6	4000	StCu	6	–	6	•
Birr Castle	1017.4	+1	SSW	3	o	45	97	5	220	St	10	–	10	•
Holyhead	1017.0	+1	W	1	b	49	75	5	–	–	0	–	0	0
Liverpool (Bidston)	1016.9	+1	–	0	bc+	55	65	5	2500	Cu	3	ACu	5	•
Chester (Shotwick)														0
Spurn Head	1016.3	+1	WSW	2	mmb	50	75	4	–	–	0	–	0	•
Nottingham	1017.2	0	SW	3	b	53	65	5	–	–	0	–	0	•
Cranwell	1017.6	+1	WSW	3	b	53	65	6	–	–	0	–	0	1
Gorleston	1019.2	+2	WSW	3	o	51	65	5	4000	St	9	–	9	•
Valencia (Cahirciveen)	1013.8	0	SSE	3	c	52	65	8	2500	StCu	6	CiCu	7	0
Roches Point	1015.4	0	SSE	2	bc+	50	85	8	4000	Cu	4	–	4	•
Pembroke (St. Ann's H.)	1017.5	0	SE	3	bc	50	75	8	4000	StCu	4	–	4	•
Ross-on-Wye	1017.7	0	SSW	2	b	53	65	6	4000	Cu	2	–	2	1
Benson	1018.4	0	SSW	2	b-	52	75	6	–	Cu	2	–	2	2
Andover	1019.0	+1	N'E	2	bc/f	53	65	7	2500	Cu	5	–	5	1
S. Farnborough	1019.0	+1	S'W	3	mmc	54	65	6	2500	Cu	7	–	7	1
London (Kew Obsy.)	1019.0	0	SW	2	b	52	65	6	4000	Cu	3	–	3	1
Croydon	1018.9	0	SW	2	b	55	65	6	2500	Cu	3	–	3	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•			•
Shoeburyness	1019.3	+1	SSW	1	mmb	53	75	5	–	–	0	ASt	2	*
Grain	1019.2	+1	SSW	2	b+	53	65	6	4000	Cu	1	–	1	2
Lympne	1019.2	+1	W'S	3	b-	50	75	7	1500	St	3	–	3	1
Scilly (St. Mary's)	1016.8	0	SSE	3	b-	52	75	7	4000	Cu	1	–	1	•
Falmouth (Pendennis)	1017.6	-1	SE	3	c/f	49	85	6	4000	Cu	8	–	8	•
Plymouth (Cattewater)	1017.4	0	SE	3	b-	53	85	7	4000	Cu	3	–	3	5
Portland Bill	1019.6	+4	NE	2	b	48	92	7	–	–	0	–	0	•
Southampton (Calshot)	1019.2	+1	SE'E	2	b	51	75	6	–	–	0	–	0	0
Dungeness	1019.6	+2	SW	2	b	51	75	7	–	–	0	–	0	•
Jersey	1018.5	0	E	2	o/f	47	92	6	800	St	10	–	10	•

Observations at 1800 G.M.T. 24th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather	Temp. °F.	Humidity %	Visibility.§ 0–9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Cloud Upper Form	Cloud Total Amt. 0–10	Sea 0–9
Lerwick	1011.4	-3	ENE	4	or$_o$r$_o$	43	97	6	2500	Nb	10	–	10	3
Stornoway	1014.5	0	–	0	bc	44	85	6	4000	Cu	6	–	6	0
Wick	1012.4	0	NW	1	o/r	42	97	8	2500	Nb	10	–	10	0
Castlebay	1014.4	0	ESE	2	mb-	48	85	7	2500	StCu	2	–	2	1
Nairn	1014.3	*	–	0	c	43	85	7	1500	St	8	–	8	•
Aberdeen	1013.4	+2	NW'N	3	o	43	85	7	800	St	9	–	9	0
Malin Head	1013.5	0	ENE	1	mmc	50	75	6	5400	StCu	5	CiCu	4	2
Renfrew	1015.0	+1	WSW	2	b	48	65	6	–	–	0	CiSt	2	
Edinburgh (Inchkeith)	1014.5	+1	W	2	b/f	49	65	7	–	–	0	–	0	3
Leuchars	1013.6	+1	ESE	1	b	45	84	6	–	–	0	–	0	•
Eskdalemuir	1015.5	+1	SW	4	b	46	65	6	–	–	0	–	0	•
Tynemouth	1015.3	+2	W	1	b	52	65	5	–	–	0	–	0	0
Blacksod Point	1016.1	0	SW	2	b	49	85	7	–	–	0	CiCu	2	1
Donaghadee	1014.3	*	SW	2	c+	48	75	6	2500	StCu	8	–	8	•
Birr Castle	1017.0	0	S'W	1	b-	47	92	6	–	–	0	–	0	0
Holyhead	1017.4	+1	W'N	1	bc-	46	85	5	1500	StCu	2	ASt	4	2
Liverpool (Bidston)	1017.4	+1	–	0	bc-	48	85	5	2500	St	5	–	5	•
Chester (Shotwick)														
Spurn Head	1018.2	+2	SW'S	2	mb-	48	75	5	–	–	0	–	0	1
Nottingham	1018.1	+2	SW	2	b	50	75	6	–	–	0	–	0	*
Cranwell	1018.6	+2	SW'S	3	b	49	75	6	–	–	0	–	0	
Gorleston	1019.3	0	SW	3	bc-	48	85	5	2500	St	5	–	5	0
Valencia (Cahirciveen)	1011.2	-3	SE	4	c	50	65	7	4000	StCu	4	CiCu	7	1
Roches Point	1014.0	-3	SE	3	c	48	97	8	4000	St	5/4	–	5/4	6
Pembroke (St. Ann's H.)	1017.0	-1	E	3	b	47	85	7	1500	St	3	–	3	3
Ross-on-Wye	1018.1	+1	SSE	1	b-	50	75	6	–	–	0	–	0	•
Benson	1019.7	0	S	1	b	49	75	6	–	–	0	–	0	•
Andover	1019.1	0	SSW	3	b-	49	85	7	–	–	0	–	0	•
S. Farnborough	1019.2	+1	SSW	3	mmb	50	75	6	–	–	0	–	0	•
London (Kew Obsy.)	1019.6	+1	S	2	b	52	75	6	4000	Cu	3	–	3	•
Croydon	1019.4	+1	SSW	3	b-	50	75	6	2500	Cu	1	–	1	•
Clacton-on-Sea	1019.7	+1	SE	3	c+	45	97	6	–	–	0	ASt	7	0
Shoeburyness	1019.8	+1	SE	2	b-	47	85	6	–	–	0	–	0	*
Grain	1020.0	+2	S	3	b	49	75	6	–	–	0	–	0	0
Lympne	1020.0	+1	SSW	1	b	47	85	5	–	–	0	–	0	•
Scilly (St. Mary's)	1015.2	-2	SE'S	4	bc-	49	85	6	4000	StCu	3	Ci	4	2
Falmouth (Pendennis)	1016.6	-1	SE	3	o+	48	92	7	4000	Cu	10	–	10	1
Plymouth (Cattewater)	1017.4	0	–	0	o	49	85	8	4000	StCu	10	–	10	0
Portland Bill	1019.2	0	ENE	3	b	48	92	6	–	–	0	–	0	2
Southampton (Calshot)	1019.3	+1	ESE	4	b	47	85	5	–	–	0	–	0	0
Dungeness	1019.9	+1	SW	1	b	49	92	7	–	–	0	–	0	2
Jersey	1017.6	0	E	2	o	50	85	4	2500	StCu	10	–	10	0

LONDON OBSERVATIONS. (Weather and Temperature: 24 hours ended 0900 G.M.T. 25th. Sunshine and Humidity 15h.: Yesterday. Humidity 9h.: To-day.)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew (24 hours ended 0700)	bmwczb	bz	bmwcf	•	•	29	Tr	–	8.5	•	•
Croydon (24 hours ended 0700)	bcbbz	bbcyz	bobwm	•	•	33	–	–	9.3	•	•
Greenwich (Royal Obsy.)	bz	bz	bobbcm	58	39	30	–	–	8.6	60	87
City (Bunhill Row)	•	•	•	•	•	•	•	•	2.5	•	•
Westminster (St. James' Pk.)	•	•	•						7.2		
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•		•	•
Camden Square	b	bc	•	57	39	34	–	Tr	•	•	89
Kensington Palace	bc	bc	•	57	39	33	–	–	•	63 (18h)	91
Hampstead Observatory	•	•	•						9.0	•	

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.
24 Hrs. ended 1800 G.M.T. 24th

South Kensington Max.	Time.	Min.	Time.
–	–	–	–

Kew Observatory Max.	Time.	Min.	Time.
–	–	–	–

POLE STAR RECORD at Greenwich Obsy.
Exposure from 24th ... h. ... m. to 25th ... h. ... m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris			
δ Ursae Minoris			

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer.
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	5	–	105
18h.	C	5	–	130
01h.	C	5	–	150
07h.	C	5	–	95

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.
25th & 26th March, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.47 5.44	11.59 11.59	6.11 6.13
Greenwich	5.54 5.52	12.6 12.6	6.18 6.20
Wick	6.4 6.1	12.18 12.18	6.33 6.36
Valencia	6.35 6.33	12.47 12.47	6.59 7.1

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing shower. r rain.
s snow. rs sleet. t thunder.
x unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
r_or_o = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

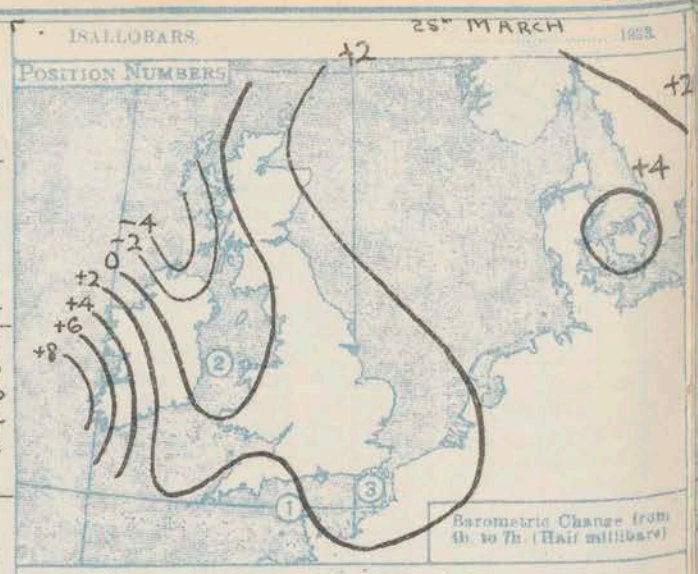
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. • Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 24th	13h.-18h. 24th	18h. 24th to 1h. 25th	1h.-7h. 25th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 24th Hours.
Lerwick	o	omr	o	o	45	40	•	1	1	13.30	<2100	0.0
Stornoway	c	c	bbc	c	46	28	•	–	–	–	–	6.1
Wick	orr	orr	oid	oo	43	37	•	5	trace	<0800	2400	•
Castlebay	ccbf	bmf	bffw	⦶bcf	50	43	•	–	–	–	–	9.6
Nairn	cm	cm	cm	cmx	45	30	•	–	–	–	–	0.0
Aberdeen	oirₒo	oco	ob	cx	45	33	24	0.4	–	<0800	–	0.2
Malin Head	ffb	ffb	fbbcz	bcz	50	40	•	–	–	–	–	10.5
Renfrew	obofb	by	bbcm	comx	55	26	19	–	–	–	–	7.0
Edinburgh (Inchkeith)	m	bm	bz	bcz	51	38	29	–	–	–	–	10.0
Leuchars	ombbz	b3bz	bbmx	bbccmx	54	31	19	–	–	–	–	9.4
Eskdalemuir	ombm	bz	F	m bc	53	31	30	–	–	–	–	6.8
Tynemouth	cm	bbcm	bbcm	bcmx	53	37	29	–	–	–	–	•
Blacksod Point ...							•					•
Donaghadee	bcm	bm	bcm	bcmw	55	42	•	–	trace	–	–	•
Birr Castle	coz	coz	coz	ccid	52	42	34	–	0.5	–	–	4.9
Holyhead	bccom	ocbm	bbmw	bwrₒo	50	41	36	–	0.1	–	0630	5.9
Liverpool (Bidston) ...	bcbm	bcm	cm	cm	50	39	30	–	–	–	–	7.3
Chester (Shotwick) ...	bfmbz	c3ozcm	bcmcf	bffm	56	33	26	–	–	–	–	7.0
Spurn Head	bqm	bmcm	bmbz	f-m	53	38	•	–	–	–	–	2.8
Nottingham	bbcz	bbcz	bm	cm	55	35	29	–	–	–	–	7.9
Cranwell	fmm	bz	bbc	dm	54	34	29	Trace	trace	–	0630	8.8
Gorleston	ozc	czbcz	bwz	bzwx	54	39	30	–	–	–	–	7.1
Valencia (Cahirciveen)	cozc	c	bor	omoro	54	47	45	–	4	–	–	3.9
Roches Point	obmbc	bcbbcor		robc	51	47	*	–	0.6	–	2400	*
Pembroke (St. Ann's H.)	c	bbc	bbc	c	50	45	•	–	–	–	–	9.5
Ross-on-Wye	fbmbcbz	bzbybcz	bmwcmb	omcom	55	41	32	0.1	–	–	–	8.1
Benson...	mbc	b	bbcc	bcw	54	40	30	–	–	–	–	•
Andover	bfbz	bcb	bbcco	oomw	55	38	29	–	trace	–	–	7.1
S. Farnborough ...	bccmm	bcbzm	bbccm	oomm	57	38	35	–	–	–	–	8.5
London (Kew Obsy.) ...	bmwczbz	bz	bmwcmw	cmwf	55	40	29	Trace	–	–	–	8.5
Croydon	bcbbz	bbcyz	bobmw	bwcmw	57	42	33	–	–	–	–	9.3
Clacton-on-Sea ...	cmbcm	bccm	cbcbm	bbcm	49	43	30	–	–	–	–	7.9
Shoeburyness	bmbm	bbc	bmx	bccmw	54	39	27	–	trace	–	–	8.4
Grain	ombz	bz	bbm	bmwcm	57	41	39	–	0.1	–	–	7.6
Lympne	ocbm	bm	bbcmw	bwcm	51	41	29	–	trace	–	–	9.7
Scilly (St. Mary's) ...	bc	bobcm	ob.	odbc	53	47	•	–	0.3	–	<2100	6.7
Falmouth (Pendennis)	fcm	cmbcc	cdm	ocpbc	51	47	•	–	1	–	<2100	6.3
Plymouth (Cattewater)	b	bcco	or	or	54	46	43	–	0.6	–	2200	6.5
Portland Bill	bbc	bbc	c	co	49	44	•	–	–	–	–	•
Southampton (Calshot)	bm	b	bmob	bbcco	52	44	41	–	–	–	–	10.2
Dungeness	bbc	bbc	c	bbc	?	44	•	–	–	–	–	•
Jersey	oFFeo	oco	ocbc	co	50	48	•	–	–	–	–	0.3



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	24th 1000	Ibernia	ESE	3	bc	46	46	2
1	24th 1700	Reindeer	ENE	2	mo-	48	49	5
3	25th 0300	Dieppe	SSE	3	pho	49	48	7

GENERAL INFERENCE.

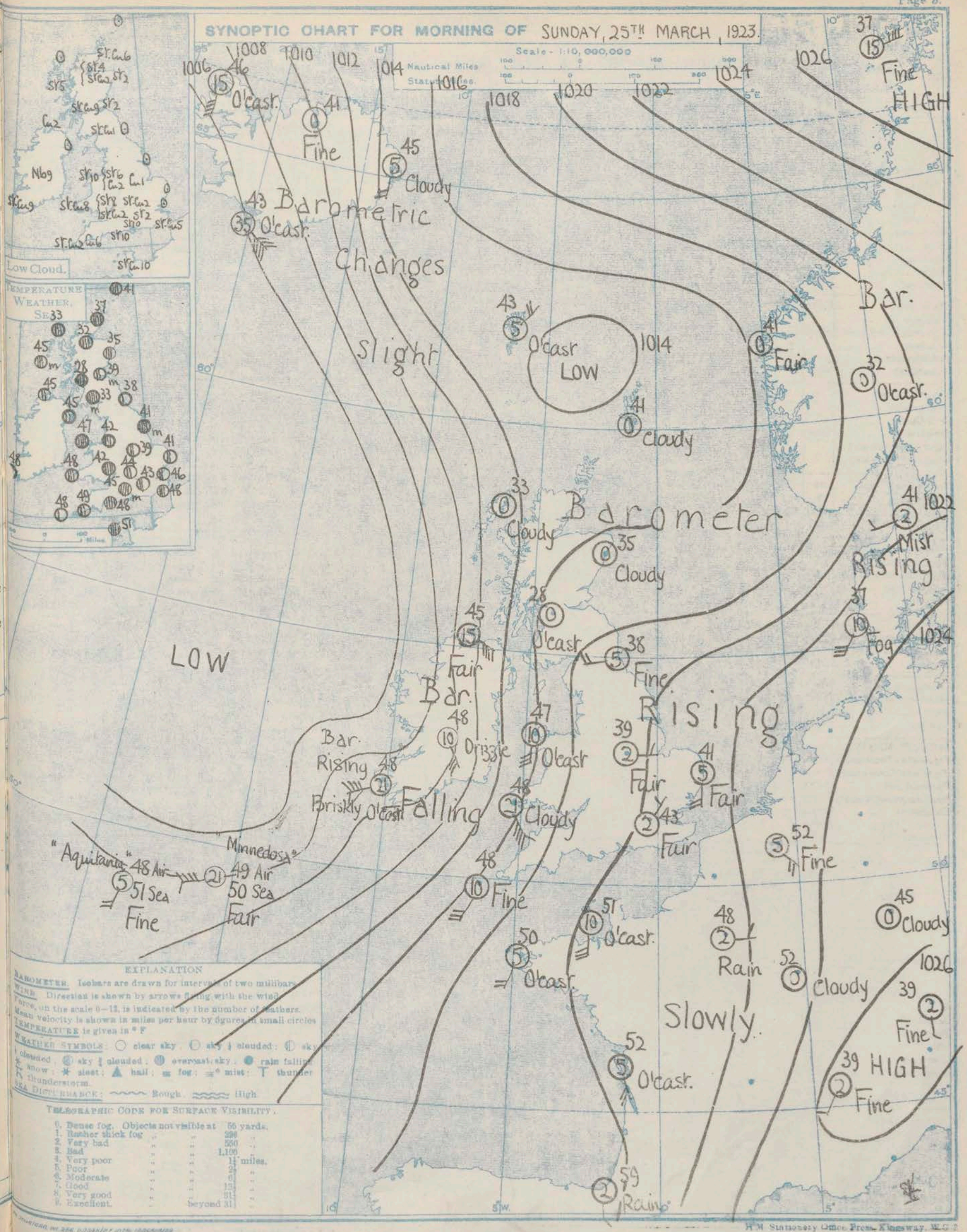
A depression off the W. coast of Ireland is moving away northward and weather will be mainly fair temporarily except on the NW. coast. where some rain is probable There is a risk of less fair conditions later. Day temperature will be rather above the normal

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Sunday. 25th March. 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Light to moderate southerly winds; cloudy, brighter intervals, risk of rain later; morning mist in places; temperature rising somewhat.	None issued.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light SE. to S. winds; fair; morning mist in places, day temperature moderate; cold at night, with frost in places.	
14. N. & N.W. Scotland 15. Hebrides	Light or moderate SE. wind; cloudy, some rain; visibility moderate, rather cold.	
16. Orkneys and Shetlands	Light indefinite winds; cloudy; rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S. or SW., moderate, mainly fair; some local mist; moderate temperature.	

EYB.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 GMT G. C. Simpson, F.R.S. Director.

† For Code see opposite page



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 ° F.
WEATHER SYMBOLS: ○ clear sky, ◐ sky ¼ clouded; ◑ sky ½ clouded, ◕ sky ¾ clouded, ● overcast sky, ● rain falling, ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ≡° mist; T thunderstorm.
SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0. Dense fog.	Objects not visible at	55	yards.
1. Rather thick fog	"	220	"
2. Very bad	"	550	"
3. Bad	"	1,100	"
4. Very poor	"	1¼	miles.
5. Poor	"	2½	"
6. Moderate	"	6	"
7. Good	"	13	"
8. Very good	"	31	"
9. Excellent.	beyond	31	"

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION Sunday 25th March 1923. No. 84

Observations at 0100 G.M.T. 25th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1013.7	+1	ESE	2	o	43	92	7	-	-	0	A.St	10	•
Stornoway	1014.2	0	-	0	b-	•	•	6	•	•	•	•	•	•
Wick	1013.2	+1	WNW	2	od₀	41	97	8	800	St	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1013.6	0	SE	1	b-	41	97	7	5700	St.Cu	2	A.Cu	3	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1016.4	+2	WSW	2	mmbc	41	85	6	-	St	4	-	4	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1017.6	+1	-	0	b	40	85	5	-	-	0	-	0	•
Blacksod Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1016.4	-1	SSE	3	b	43	85	7	4000	St.Cu	2	-	2	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1019.7	0	S'W	2	b	41	92	6	-	-	0	-	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1020.2	+1	S	2	b	36	97	6	-	-	0	-	0	•
Gorleston	1021.0	+1	SSW	1	b	40	97	6	-	-	0	-	0	•
Valencia (Cahirciveen)	1006.0	-8	SSE	4	oR	49	92	5	<150	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1014.9	-3	SE	4	bc	46	92	7	2500	St.Cu	4	-	4	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson														
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	45	•	•	•	•	•	•	•	•
Croydon	1020.0	0	SE	1	b	45	85	6	-	-	0	-	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1020.6	+1	SSE	3	b	44	97	5	-	-	0	-	0	•
Scilly (St. Mary's)	1014.5	-1	S'E	4	od₀	45	97	7	4000	St.Cu	10	-	10	•
Falmouth (Pendennis)	1016.5	0	S	3	o	47	97	6	2500	St	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1019.2	0	ENE	3	bc+	45	92	6	-	-	0	A.Cu	6	•
Southampton (Ca.shot)	1018.9	-1	ESE	3	b-	45	97	7	-	-	0	-	0	•
Dungeness	1020.1	0	NE	2	b	46	92	7	-	-	0	-	0	•
Jersey 7h / Guernsey 1h	1018.5	0	SE	2	c/f	49	97	7	5700	St.Cu	8	-	8	•

Observations at 0700 G.M.T. 25th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1015.1	+2	-	0	c-	41	92	7	-	-	0	A.St	8	0
Stornoway	1013.8	0	-	0	c+	33	92	5	-	-	0	A.St	8	0
Wick	1015.1	+2	W	1	o	37	97	8	2500	St.Cu	6	Ci	10	0
Castlebay	1013.0	0	SE	4	mmc	45	92	6	1500	St	5	A.St	7	4
Nairn	1015.2	•	-	0	bc	32	85	7	1500	St	6	-	6	•
Aberdeen	1016.6	+2	-	0	c	35	97	7	1500	St	2	A.Cu	7	0
Malin Head	1010.5	-5	ESE	4	bc+	45	92	7	4000	Cu	2	A.Cu	5	3
Renfrew	1016.8	0	-	0	o+	28	97	4	2500	St.Cu	9	-	9	•
Edinburgh (Inchkeith)	1017.1	+1	SE	1	mbc-	39	85	6	-	St	2	Ci	5	1
Leuchars	1017.0	+1	-	0	mmc	34	97	5	-	-	0	Ci	7	•
Eskdalemuir	1018.3	0	-	0	mbc-	33	97	5	2500	St.Cu	1	A.Cu	5	•
Tynemouth	1018.1	+1	WSW	2	b+	38	92	4	-	-	0	A.Cu	3	0
Blacksod Point	1015.3	-1	SSE	3	bc	45	92	7	-	-	0	A.Cu	4	2
Donaghadee	1008.3	•	SSE	3	od₀+	48	92	6	800	Nb	9	-	9	•
Birr Castle	1015.2	-1	S	3	o/r	47	92	8	5700	St	10	-	10	1
Holyhead	1016.7	-1	SE'E	3	c	42	92	5	2500	St	8	..	8	3
Liverpool (Bidston)	1017.2	+1	SE	2	c	42	92	4	5700	St.Cu	6	A.Cu	7	•
Chester (Shotwick)														
Spurn Head	1020.1	+1	SSE	3	mb+	41	92	4	1500	St.Cu	10	?	10	3
Nottingham	1019.1	+1	E	1	bc	39	97	5	2500	Cu	1	A.Cu	5	•
Cranwell	1020.4	0	SSE	3	c	39	97	5	2500	St.Cu	4	A.Cu	7	•
Gorleston	1021.4	0	S	2	bc	41	97	5	-	-	0	Ci.Cu	4	0
Valencia (Cahirciveen)	1009.7	+9	WSW	5	o	48	75	7	1500	St.Cu	9	-	9	1
Roches Point	1010.9	+3	WSW	4	c	47	92	8	4000	Cu.Nb	5	-	5	6
Pembroke (St. Ann's H.)	1015.4	0	SSE	5	c	48	92	7	1500	St.Cu	8	-	8	3
Ross-on-Wye	1018.4	+1	ESE	1	o	42	92	5	4000	St	10	-	10	•
Benson	1019.3	+1	-	0	bc	44	92	6	4000	St.Cu	2	A.Cu	4	•
Andover	1019.3	0	E	2	o+	43	97	6	1500	St	10	-	10	•
S. Farnborough	1019.6	+1	S	2	mmo	45	85	5	1500	St	10	-	10	•
London (Kew Obsy.)	1020.1	+2	NNE	1	bc-	43	97	3	1500	St	2	A.Cu	4	•
Croydon	1020.2	+1	S	1	c+	47	92	6	4000	St.Cu	3	A.St	7	•
Clacton-on-Sea	1020.6	0	SE	3	bc-	46	97	4	-	-	0	A.Cu	5	0
Shoeburyness	1020.9	0	SSE	1	mmc	47	85	5	7200	Cu	5	A.Cu	7	0
Grain	1020.5	0	SSE	2	o+	45	97	5	4000	St.Cu	3	A.Cu	9	•
Lympne	1020.8	+·1	SW	2	c+	48	97	6	-	-	0	A.Cu	8	•
Scilly (St. Mary's)	1016.1	+2	SW	3	b	48	97	7	4000	St.Cu	2	Ci	3	4
Falmouth (Pendennis)	1017.3	+4	WSW	3	bc-	49	97	7	4000	Cu	6	-	6	1
Plymouth (Cattewater)	1017.5	+3	S	3	o/r	49	97	6	220	St	10	-	10	0
Portland Bill	1018.4	-2	SSW	2	o+	48	92	6	450	St	10	-	10	2
Southampton (Ca.shot)	1019.1	0	ESE	3	o+	47	97	7	4000	St.Cu	10	-	10	0
Dungeness	1020.2	0	SW	3	c+	48	92	7	4000	St.Cu	5	A.Cu	7	3
Jersey 7h / Guernsey 1h	1020.5	+2	S	3	o	51	92	7	2500	St.Cu	10	-	10	0

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

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temp. Min. Night. 23rd °F.	Temp. Max. Day. 24th °F.	Rainfall Night 17h.-9h. 23rd-24th mm.	Rainfall Day 9h.-17h. 24th mm.	Sunshine Sunrise to 17h. 24th hr.	Sunshine Sunrise to Sunset. 23rd hr.
Montrose	–	–	34	50	–	–	3.2	3.9
Llandudno	b	b	39	52	–	–	9.0	0.0
Colwyn Bay	bcc	c	36	54	–	–	9.0	0.3
Rhyl	bc	bc	35	53	–	–	6.8	0.0
Southport	bcb	b	40	50	–	–	7.6	0.5
Blackpool	owcb	cb	40	51	–	–	5.2	1.3
Ilkley	omb	bb	32	56	–	–	6.8	2.4
Harrogate	b	b	33	54	–	–	4.4	0.4
Skegness	omcb	b	34	55	2	–	4.2	0.0
Aberystwyth	ocbc	o	38	49	1	–	2.4	0.0
Bath	mobcb	bbc	36	56	0.3	–	6.8	0.0
Leamington Spa	c	c	34	54	2	–	4.2	0.0
Lowestoft	ocb	bmbm	39	53	1	–	6.6	0.0
Felixstowe	b	b	40	48	0.4	–	8.0	0.0
Southend	mcbc	bc	40	55	0.3	–	8.5	0.0

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temp. Min. Night. 23rd °F.	Temp. Max. Day. 24th °F.	Rainfall Night 17h.-9h. 23rd-24th mm.	Rainfall Day 9h.-17h. 24th mm.	Sunshine Sunrise to 17h. 24th hr.	Sunshine Sunrise to Sunset. 23rd hr.
Ilfracombe	bb	bcb	40	54	0.1	–	8.0	0.0
Bude	gbbcb	bcbc	35	55	–	–	4.2	0.0
Penzance	bbc	bbc	35	53	0.1	–	5.8	0.5
Paignton	ombc	omom	36	52	–	–	3.3	1.6
Torquay	cmbc	boco	38	54	–	–	4.8	1.5
Weymouth	b	bc	33	53	0.2	–	9.0	0.0
Bournemouth	b	b	32	52	–	–	8.2	0.0
Portsmouth (S'thsea)	b	b	36	53	–	–	9.3	0.0
Worthing	b	b	36	53	–	–	10.0	0.0
Brighton	b	b	39	57	–	–	10.1	0.0
Eastbourne	b	b	40	51	–	–	10.4	0.0
Hastings	bmb	b	40	51	Trace	–	10.2	0.0
Folkestone	b	b	40	51	–	–	8.7	0.0
Tunbridge Wells	b	b	39	56	–	–	9.1	0.0
Ramsgate	bcb	bm	39	50	0.2	–	4.4	0.0
Margate	obcb	bc	42	54	–	–	5.5	0.0
Deal	cbc	bb	39	53	–	–	7.5	0.0

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote, page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22404 MONDAY 26th MARCH 1923.

Observations at 1300 G.M.T. 25th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours ‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility § 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1016·9	+1	–	0	o	44	85	4	5400	StCu	4	ASt	10	•
Stornoway	1012·4	–1	–	0	b	51	75	7	–	–	0	ASt	2	•
Wick	1014·8	–1	S	2	b–	45	92	7	–	–	0	Ci	2	•
Castlebay	1010·5	–3	E	5	mmo	48	85	6	2500	St	10	–	10	•
Nairn	*	*	*	*	*	*	*							•
Aberdeen	1016·5	–1	SSW	4	b	52	65	6	–	–	0	–	0	0
Malin Head	1008·5	–1	SSE	4	or₀	51	85	8	4000	StCu	9	–	9	•
Renfrew	1015·6	–1	SSE	4	o	52	75	6	4000	StCu	10	–	10	0
Edinburgh (Inchkeith)	1016·5	–1	NE	2	o/f	44	85	4	–	StCu	9	–	9	•
Leuchars	1016·3	–1	E	2	o	45	85	6	5400	StCu	8	ASt	10	0
Eskdalemuir	1016·4	–1	SW	4	o	51	65	6	2500	StCu	4	ACu	9	0
Tynemouth	1017·6	0	SSE	3	imb	53	45	4	–	–	0	ACu	2	•
Blacksod Point														•
Donaghadee	1015·0	–2	SSW	3	c–	50	85	8	2500	Cu	5	ACu	8	•
Birr Castle	1015·6	*	S	2	c–	51	97	8	4000	StCu	8	–	8	•
Holyhead	1014·9	+3	SWS	5	b–	52	85	8	4000	Cu	1	ACu	3	0
Liverpool (Bidston)	1018·0	+1	SW	4	bc–	57	65	8	2500	Cu	3	CiCu	5	•
Chester (Shotwick)	1018·3	+2	S	3	o+	54	65	5	4000	StCu	9	–	9	0
Spurn Head	1020·1	0	SE	3	o/f	51	75	5	4000	Nb	1	ACu	10	•
Nottingham	1019·5	+1	SSW	3	bc	57	75	7	2500	Cu	1	CiSt	6	•
Cranwell	1020·5	0	SSW	3	o	57	75	6	4000	St	4	ACu	9	1
Gorleston	1021·7	0	S'E	4	bc	50	75	5	4000	StCu	5	–	5	•
Valencia (Cahirciveen)	1017·1	+6	SW	4	bc	52	65	9	2500	Cu	5	–	5	0
Roches Point	1017·4	+4	SSW	4	bc	52	97	9	4000	Cu	4	–	4	•
Pembroke (St. Ann's H.)	1019·9	+3	SSW	4	b	51	85	7	2500	Cu	3	–	3	•
Ross-on-Wye	1019·5	+1	SW'W	3	bc	58	65	7	4000	Cu	4	Ci	5	0
Benson	1020·6	+2	WSW	3	o	54	92	6	–	St	10	–	10	1
Andover	1021·0	+2	SSW	2	o–	55	85	4	1500	StCu	9	–	9	1
S. Farnborough	1020·4	+1	SW	3	mmo	58	75	5	1500	Cu	9	–	9	0
London (Kew Obsy.)	1021·3	+1	SW	2	o	57	85	6	2500	St	4	ASt	10	1
Croydon	1021·1	0	SW	2	o	55	85	6	1500	St	8	ASt	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Shoeburyness	1021·3	+1	S'W	1	b/f	62	75	8	5700	StCu	1	–	1	•
Grain	1021·5	+1	SW	2	bc	60	75	8	2500	StCu	6	–	6	1
Lympne	1021·3	–1	SW	2	b–	59	75	7	2500	StCu	3	–	3	1
Scilly (St. Mary's)	1020·3	+3	WSW	1	b	54	75	8	–	–	0	Ci	3	•
Falmouth (Pendennis)	1021·0	+5	SW	2	bc	55	75	8	4000	Cu	5	–	5	•
Plymouth (Cattewater)	1020·8	+2	S	3	b–	53	97	8	2500	Cu	1	CiSt	3	1
Portland Bill	1020·6	+4	SSW	3	bc–	52	92	6	–	–	0	CiCu	4	•
Southampton (Calshot)	1021·6	+1	SW	3	c–	57	75	7	1500	StCu	7	–	7	0
Dungeness	1021·6	+1	SW	2	b	55	85	7	–	–	0	–	0	•
Jersey	1021·4	+1	S	3	bc	58	65	7	–	–	0	ACu	5	•

Observations at 1800 G.M.T. 25th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours ‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility § 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1016·5	0	SSE	1	c–	43	85	4	5700	StCu	5	CiCu	8	0
Stornoway	1010·7	–1	SE	2	or₀r₀	48	92	6	450	St	10	–	10	1
Wick	1012·4	–2	SSW	2	bc+	46	97	7	4000	Cu	3	Ci	5	0
Castlebay	1010·2	0	SW	5	o/r	48	97	7	800ft	St	10	–	10	6
Nairn	1012·8	*	S	2	bc–	51	65	7	4000	Cu	4	–	4	*
Aberdeen	1016·4	0	S	2	b	46	85	5	4000	StCu	1	Ci	2	0
Malin Head	1015·3	+10	WSW	6	bcp₀	47	92	8	4000	CuNb	6	–	6	4
Renfrew	1017·0	+3	WSW	3	bc–	51	75	8	2500	StCu	4	–	4	*
Edinburgh (Inchkeith)	1016·5	+1	SW	4	c	49	75	8	–	Cu	3	CiSt	8	3
Leuchars	1016·5	+2	SSW	4	c+	50	75	7	4000	StCu	2	Ci	7	*
Eskdalemuir	1018·9	+3	S'W	4	bc+	45	85	6	1500	StCu	3	CiSt	5	*
Tynemouth	1018·3	+1	WSW	3	b	55	65	6	4000	CuNb	2	–	2	1
Blacksod Point														
Donaghadee	1017·9	+6	WSW	2	bc–	52	75	8	2500	Cu	4	–	4	1
Birr Castle	1019·3	*	W	1	b–	49	92	8	4000	Cu	1	Ci	3	*
Holyhead	1020·4	+4	SW	3	bc+	48	97	8	5700	Cu	3	ASt	4	3
Liverpool (Bidston)	1020·7	+4	SW	2	b–	50	65	8	–	–	0	Ci	3	3
Chester (Shotwick)	1021·0	+4	SSW	3	bc–	53	55	8	–	–	0	Ci	5	*
Spurn Head	1021·0	+1	SW	3	c	55	75	6	4000	StCu	2	ASt	7	2
Nottingham	1021·2	+3	SSW	2	b–	55	75	6	2500	StCu	1	Ci	2	*
Cranwell	1021·6	+2	WSW	2	b	54	85	6	–	–	0	CiSt	3	*
Gorleston	1021·8	0	S	3	bc	46	92	5	4000	StCu	5	–	5	0
Valencia (Cahirciveen)	1018·8	+2	S	3	bc	51	65	8	2500	Cu	5	–	5	1
Roches Point	1020·3	+3	SW	2	b	49	97	8	–	–	2	Ci	2	1
Pembroke (St. Ann's H.)	1021·8	+2	SSW	1	b	49	85	8	–	–	0	–	0	3
Ross-on-Wye	1021·1	+2	S'W	1	bc	55	75	9	4000	StCu	3	CiCu	6	*
Benson	1021·6	0	SW	1	b	55	75	8	–	–	0	Ci	2	*
Andover	1022·1	+1	SE	3	bc–	53	85	8	4000	Cu	2	CiCu	4	*
S. Farnborough	1021·9	+1	SW	2	mmc	55	75	6	–	–	0	Ci	4	*
London (Kew Obsy.)	1022·5	+3	W'S	1	bc	57	65	6	4000	StCu	2	ACu	4	*
Croydon	1022·2	+2	SW	1	c–	55	85	6	2500	StCu	4	CiCu	7	*
Clacton-on-Sea	1022·2	+2	SE	2	bc	50	92	6	2500	Cu	4	Ci	5	0
Shoeburyness	1022·2	+1	SW	1	o+	55	85	8	5700	StCu	9	–	9	*
Grain	1022·6	+2	SW	2	b–	54	85	6	–	–	0	Ci	3	0
Lympne	1023·1	+2	SW	1	bc–	51	92	7	–	–	0	CiSt	6	*
Scilly (St. Mary's)	1022·0	+2	–	0	b	55	75	8	–	–	0	Ci	2	1
Falmouth (Pendennis)	1021·9	+2	–	0	b–	53	75	9	4000	Cu	3	–	3	0
Plymouth (Cattewater)	1021·8	+2	SW	1	b	50	92	8	–	–	0	CiCu	3	0
Portland Bill	1022·0	+3	WSW	1	bc+	50	92	7	–	–	0	CiSt	6	0
Southampton (Calshot)	1022·9	+1	SW'S	2	bc–	52	85	7	–	–	0	Ci	6	0
Dungeness	1022·8	+1	SW	2	bc/f	49	92	7	–	–	0	ACu	6	3
Jersey	1021·9	0	S	3	o	56	85	7	4000	StCu	10	–	10	0

London Observations. (Weather, Temperature: 24 hours ended 0900 G.M.T. 26th; Kew, Croydon: 24 hours ended 0700)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew	bcf bcfmh	ombom	od₀mr₀f	*	*	40	–	3	2·7	*	*
Croydon	bcom	obc3m	omr₀cf	*	*	45	–	2	1·8	*	*
Greenwich (Royal Obsy.)	bco3	o3bco	odrmbc	61	48	43	–	1	3·0	74	89
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·1	*	*
Westminster (St. James' Pk.)	*	*	*	59	48	41	2·8		0·8	70	90
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	0·2	*	*
Camden Square	c	c	*	58	47	41	–	4	*	*	93
Kensington Palace	obc	c	*	60	46	41	–	5	*	78 (18h)	96
Hampstead Observatory	*	*	*	58	48	38	–	5	3·3	*	94

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 25th

South Kensington	Max.	Time.	Min.	Time.

Kew Observatory	Max.	Time.	Min.	Time.

Pole Star Record at Greenwich Obsy.

Exposure from 25th 19 h 15 m. to 26th 04 h 45 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	9·0	0·38	7
δ Ursae Minoris	9·0	0·0	Nil

Code for State of Ground.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Stating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	C	5	–	110
18h.	C	5	–	120
01h.	C	5	–	140
07h.	C	5	–	120

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

26th & 27th March, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·44 / 5·42	11·59 / 11·59	6·13 / 6·15
Greenwich	5·51 / 5·49	12·6 / 12·6	6·20 / 6·22
Wick	6·1 / 5·58	12·18 / 12·18	6·36 / 6·38
Valencia	6·33 / 6·31	12·47 / 12·47	7·1 / 7·3

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
z unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r₀r₀ = continuous light rain.

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Sea Disturbance.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

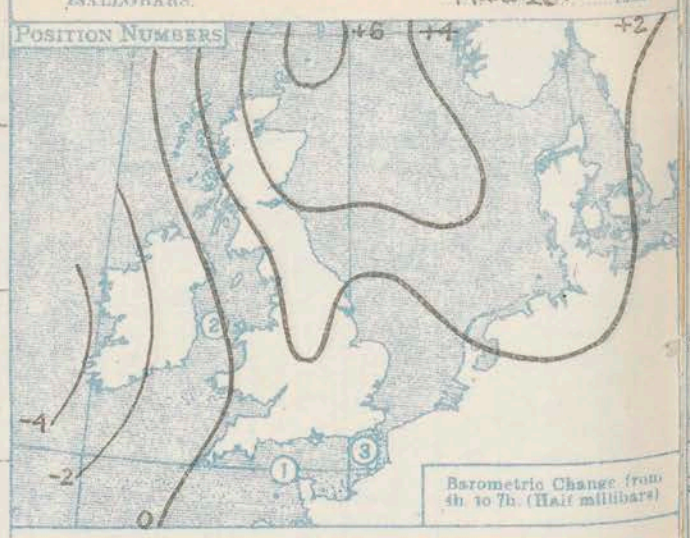
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 2.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 25th	13h.-18h. 25th	18h. 25th to 1h. 26th	1h.-7h. 26th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 25th Hours.
Lerwick	o	c	om	omr	44	38	.	—	0·1	—	6 30	0·7
Stornoway	b	orr	c	bc	51	41	.	0·3	0·2	16·30	—	4·7
Wick	c	bbc	b-bc	b-bc	47	40	.	—	—	—	—	.
Castlebay	coff	ofob	ocb	bobc	48	45	.	Trace	0·2	—	—	1·3
Nairn	bcm	cmbc	bc	bcx	54	35	.	—	—	—	—	5·8
Aberdeen	bbc	bbc	b	b-bc	52	37	27	—	—	—	—	7·8
Malin Head	bcor	cobr	bcv	bcv	53	37	.	0·1	—	03.00	—	3·8
Renfrew	ox m3	ob bc	bcb	bcmx	55	27	17	Trace	—	15·30	—	3·1
Edinburgh (Inchkeith)	c3	c	bc	h	52	38	30	—	—	—	—	5·7
Leuchars	cm5nom	bco3	cbcb	bbx	55	31	19	—	—	—	—	5·3
Eskdalemuir	bcb.o	ocbc	cbco	ome	51	33	31	Trace	—	11.00	—	3·0
Tynemouth	cifbcm	bcmq	m	bcif	58	38	31	—	—	—	—	.
Blacksod Point ...							.					.
Donaghadee	c	c	bc	bc	55	37	.	Trace	—	09.00	—	.
Birr Castle	cord.	cobc	bc	bcx	54	37	27	0·2	—	10300	—	7·7
Holyhead	oocbc	bbbc	bccbw	bccw	52	38	31	—	—	—	—	6·0
Liverpool (Bidston) ...	bc	bc		f	59	38	30	—	—	—	—	8·7
Chester (Shotwick) ...	cbccom	omcbc	bcbb	bbxbcm	61	31	20	—	—	—	—	6·8
Spurn Head	f:m	c	b-bc	b-bc	56	39	.	—	—	—	—	1·2
Nottingham	obc	c	bm	mw	58	31	29	0·1	—	09.00	—	0·3
Cranwell	om	bcbm	b-bc	b-bc	59	38	31	—	—	—	—	5·0
Gorleston	bc3	bc3	com	om	51	45	37	—	—	—	—	7·2
Valencia (Cahirciveen)	bbc	bc	bc	cff	54	47	42	0·3	—	—	—	6·2
Roches Point	obmbc	bcb bcc	ocbw	bbo	54	47	*	—	0·8	—	2400	9·2
Pembroke (St. Ann's H.)	ocbc	bbc	b-bc	bcco	54	40	.	—	—	—		
Ross-on-Wye	obccbc	bcycbom	bcbw	bif	60	33	29	—	Trace	—	—	4·8
Benson...	o	bcc	bbc	bcfw	59	36	.	—	—	—	—	.
Andover	omo	ocbcb	bbm	bmofc	59	40	32	—	0·1	—	—	4·9
S. Farnborough ...	ocmm	ccmm	c	cbf	59	40	35	—	—	—	—	1·3
London (Kew Obsy.)	bcfwbcfwo	mmbcbom	bcmcl	odmrcf	53	47	40	—	3	—	2400	2·7
Croydon	bcom	obczm	corrm	omrcf	59	47	45	—	2	—	2200	1·8
Clacton-on-Sea ...	bccbom	bcm	bcbm	bbccm	53	46	38	—	—	—	—	6·4
Shoeburyness	f:m	bbc	o	oorff	62	40	35	—	2	—	5·30	4·8
Grain	omcbc	bbocb	bbcco	bPf	61	45	35	—	2	—	1·30	4·2
Lympne	cbco	bbc	bomw	orRm	59	44	36	—	5	—	1·30	8·4
Scilly (St. Mary's) ...	bbc	bbc	bo	om	56	45	.	—	—	—	—	10·9
Falmouth (Pendennis)	bc	bcb	bcof	orff	57	45	.	—	1	—	5·30	6·9
Plymouth (Cattewater)	cbc	b	b	bo	55	42	32	—	—	—	—	7·4
Portland Bill	ocbc	bcc	f	f	53	44	.	—	0·4	—	2100	.
Southampton (Calshot)	c	c	comm	omoff	57	44	40	—	Trace	—	—	4·3
Dungeness	bbc	bcbfc	br	pro	55	47	.	—	5	—	2200	.
Jersey	ocbc	bcbo	obwm	off	60	48	.	—	—	—	—	5·5

ISALLOBARS. March 26th 1923.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	25th 1010	"Hibernia"	S	6	o	47	49	6
3	26th 0300	"Brighton"	—	0	r	47	48	6

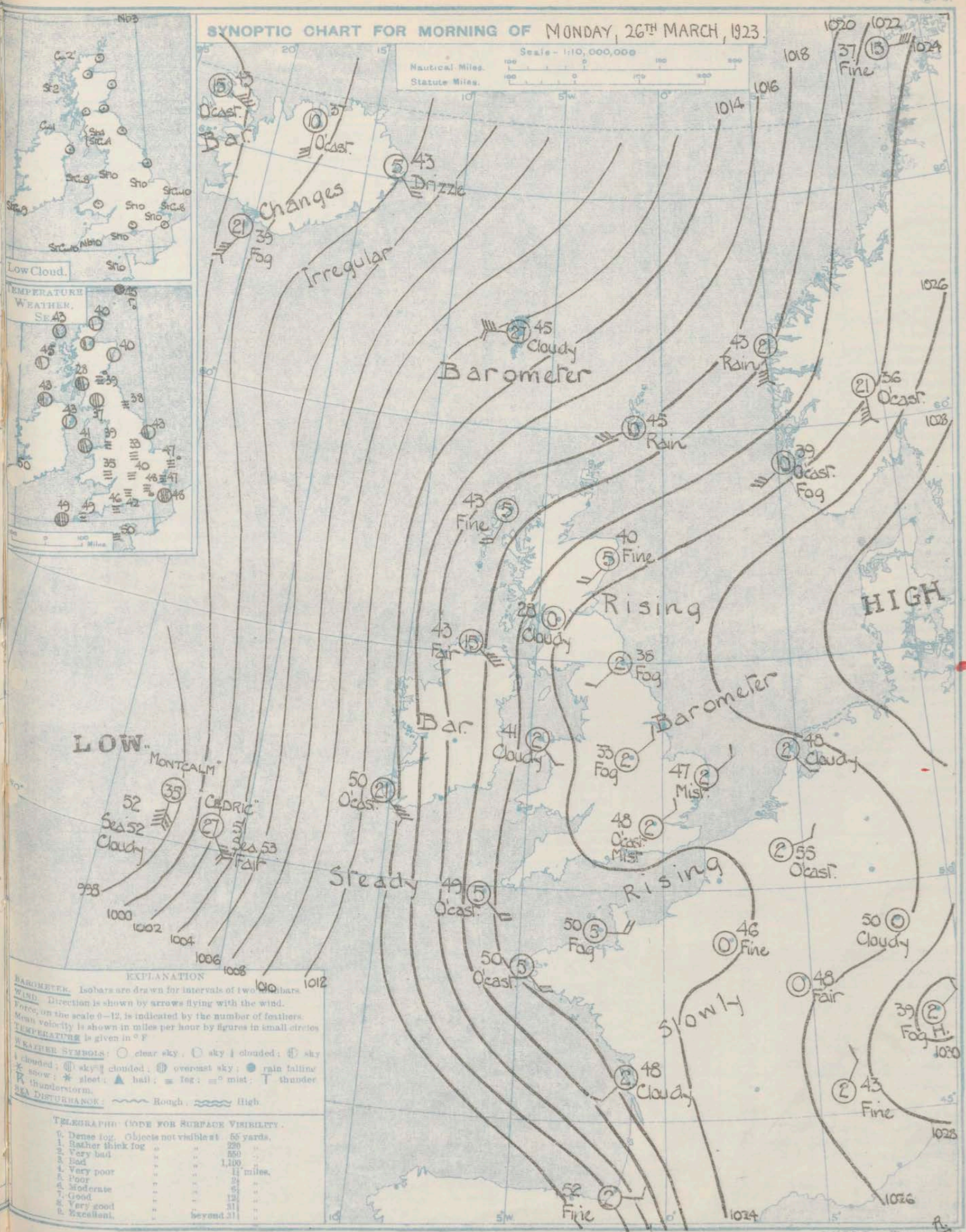
GENERAL INFERENCE.

Pressure continues high on the Continent and there is a deep depression north of the Azores which however does not appear likely to approach very near to the British Isles during the next 24 hours. The weather will be mainly fair, and rather warm during the day, with Southeasterly to Southerly winds, fresh to strong at times on our Western Coasts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 26th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Light to moderate Southeasterly winds; mainly fair but a risk of occasional showers; visibility poor to moderate; rather warm during the day.	None issued.
6. South Wales 7. North Wales 8. N.W. England	Moderate to fresh S.E. to S. winds; mainly fair but a risk of occasional showers; visibility moderate; rather warm during the day.	
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland	Moderate Southerly winds; mainly fair but a risk of occasional showers; visibility poor to moderate; rather warm during the day.	
13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides	As 6 to 8.	
16. Orkneys and Shetlands	As 9 to 12.	
17. N.W. Ireland	Fresh to strong Southerly winds; mainly fair occasional showers; visibility moderate; mild.	
18. N.E. Ireland	As 6 to 8.	
19. S.E. Ireland		
20. S.W. Ireland	As 17.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 GMT. G. C. Simpson, F.R.S., Director.

† For Code see opposite page.



H.M.S.O. Press, Kingsway, W.C.2.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION.....MONDAY, 26th MARCH.....1923. No. 85

Observations at 0100 G.M.T. 26th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1015·7	-1	S	3	0	39	92	6	-	-	0	ASt	10	•
Stornoway	1014·3	+7	WSW	4	bc-	•	•	6	•	•	•	•	•	•
Wick	1016·5	+7	SW	3	b	49	92	9	4000	Cu	1	ACu	2	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1020·0	+2	SE	3	b	41	92	9	-	-	0	-	0	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)														•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1023·5	+2	W	1	b	43	92	5	-	-	0	-	0	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1022·9	+1	S'E	3	b	42	97	8	-	-	0	-	0	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1024·4	+2	NW	2	b	44	92	6	-	-	0	-	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1024·3	+3	-	0	b	39	97	6	-	-	0	CSt	1	•
Gorleston	1024·2	+1	N	1	mmo	46	97	5	2500	St	10	-	10	•
Valencia (Cahirciveen)	1017·4	0	SE	3	bc+	47	97	7	-	Cu	4	-	4	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1022·9	0	ENE	2	b	42	97	7	-	-	0	-	0	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...		•	•	•	•	49	•	•	•	•	•	•	•	•
Croydon	1024·2	0	-	0	or.r.	48	97	5	800	St	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1024·2	0	NNW	2	0	48	97	6	5700	StCu	10	-	10	•
Scilly (St. Mary's) ...	1021·8	0	-	0	0	49	97	7	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1023·1	0	ESE	3	Fo	47	97	0	225	St	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1023·6	+2	NE	2	Fo+	47	92	1	450	St	10	-	10	•
Southampton (Calshot)	1024·2	0	NNW	1	mmo	45	97	4	225	St	10	-	10	•
Dungeness	1024·0	+1	W	1	0	47	97	7	1500	St	10	-	10	•
Jersey 7h }	1024·6	0	ENE	2	0+	49	97	7	-	-	0	ASt	10	•
Guernsey 1h }														

0700 Should be 27th

Observations at 0700 G.M.T. 26th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1018·0	+6	WSW	3	or.	45	92	7	2500	Nb	3	ASt	10	2
Stornoway	1019·1	+2	SSW	2	b-	43	97	7	4000	Cu	2	-	2	1
Wick	1020·8	+5	SW	2	b	40	97	8	-	-	0	Ci	2	0
Castlebay	1019·1	0	ESE	4	bc	45	92	7	2500	St	3	ASt	6	4
Nairn	1022·6	•	-	0	bc-	37	85	8	-	-	0	Ci	4	•
Aberdeen	1023·8	+4	SW	2	b	40	85	8	-	-	0	Ci	2	0
Malin Head	1018·5	-1	SE	4	bc+	43	85	9	4000	Cu	1	CiCu	5	3
Renfrew	1024·1	+2	-	0	c	28	97	4	-	-	0	Ci	8	•
Edinburgh (Inchkeith)	1024·1	+3	SE	1	mmo	39	85	6	-	-	0	Ci	9	1
Leuchars	1024·0	+2	-	0	b	34	97	6	-	-	0	Ci	2	•
Eskdalemuir	1025·2	+1	-	0	c	37	97	5	225	StCu	8	-	8	•
Tynemouth	1025·3	+2	SW	1	ifb	38	92	3	-	-	0	-	0	0
Blacksod Point ...	1021·8	0	S	2	b	43	97	8	-	-	0	CuCu	3	1
Donaghadee	1018·8	•	E	2	b	40	97	8	4000	StCu	2	CuCu	3	•
Birr Castle	1022·8	0	SE'S	1	c-	41	97	8	4000	StCu	8		8	0
Holyhead	1023·8	0	SE'E	2	fb-	39	92	2	-	-	0	-	0	2
Liverpool (Bidston) ...	1024·2	0	SE	2	bc+	33	97	4	4000	StCu	1	ACu	6	•
Chester (Shotwick) ...														
Spurn Head	1025·9	+1	NNE	1	bc	43	92	6	-	-	0	Ci	4	0
Nottingham	1025·1	+2	NE	1	Fo+	33	97	0	<150	St	10	-	10	•
Cranwell	1025·6	+1	NE	1	b	41	92	6	-	-	0	Ci	2	•
Gorleston	1024·8	+1	NE'E	1	mmo	47	92	4	4000	StCu	10	-	10	0
Valencia (Cahirciveen)	1013·9	-4	SE	5	0	50	75	8	2500	StCu	9	-	9	1
Roches Point	1018·8	-2	SE	4	0	48	97	8	4000	StCu	10	-	10	6
Pembroke (St. Ann's H.)	1013·9	-2	SSE	4	0	47	92	8	1500	StCu	10	-	10	4
Ross-on-Wye	1024·3	0	-	0	cfbc	35	97	2	-	-	0	Ci	4	•
Benson	1024·4	+1	-	0	fo	40	97	2	-	St	10	-	10	•
Andover	1024·4	0	NE	1	FFo	42	97	1	<150	St	10	-	10	•
S. Farnborough ...	1024·5	+1	-	0	ff-b	42	97	3	-	-	0	-	0	•
London (Kew Obsy.) ...	1024·9	0	NE	1	mmo	48	97	4	225	St	10	-	10	•
Croydon	1024·4	0	-	0	o/r	48	97	3	450	St	10	-	10	•
Clacton-on-Sea ...	1024·6	+1	ENE	2	fc-	47	97	3	7200	StCu	8	-	8	0
Shoeburyness	1024·8	0	N	1	SRR	47	92	3	1500	Nb	10	-	10	•
Grain	1024·8	0	-	0	ffo	47	97	3	1500	St	10	-	10	0
Lympne	1024·5	+2	ENE	2	o/r	49	97	5	2500	StCu	10	-	10	•
Scilly (St. Mary's) ...	1021·3	0	SSE	2	0	49	92	6	4000	StCu	10	-	10	2
Falmouth (Pendennis)	1022·2	0	SE	4	FFo	49	97	1	225	Nb	10	-	10	0
Plymouth (Cattewater)	1022·4	0	E	3	0	47	97	6	225	St	10	-	10	1
Portland Bill	1022·6	0	ENE	4	ffo	46	92	2	450	St	10	-	10	2
Southampton (Calshot)	1024·3	0	-	0	Fo+	44	97	1	<150	St	10	-	10	0
Dungeness	1024·0	0	NE	1	o/r	48	97	7	-	-	0	ACu	10	2
Jersey 7h }	1022·7	0	E	2	FFo	50	92	1	450	St	10	-	10	0
Guernsey 1h }														

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 24-25h	Temperature. Max. Day. 25h	Rainfall.† Night 17h.-9h. 24-25	Rainfall.† Day 9h.-17h. 25	Sunshine. Sunrise to 17h. 25	Sunshine. Sunrise to Sunset. 24
			°F.	°F.	mm.	mm.	hr.	hr.
Mon'rose	-	-	31	50	-	-	6·9	3·2
Llandudno	cbc	b	38	58	-	-	6·0	9·0
Colwyn Bay ...	cbc	bc	40	57	-	-	8·5	9·5
Rhyl	bc	bc	38	58	-	-	9·1	6·8
Southport	bcb	bc	39	55	-	-	7·2	0·0
Blackpool	cb	cc	39	59	-	-	5·3	5·2
Ilkley	mbcbc	b	29	60	-	-	3·6	6·8
Harrogate	bcco	ccbc	35	58	-	-	5·1	8·2
Skegness	b	cobb	39	57	-	2	4·2	7·2
Aberystwyth ...	c	bcb	42	54	-	-	7·5	2·7
Bath	oc	bcb	44	61	-	-	3·8	6·8
Leamington Spa ...	—	—	37	59	-	-	4·0	4·2
Lowestoft	mb	bbcc	41	54	-	-	7·0	6·6
Felixstowe	bmbc	bcm	41	53	-	-	6·2	8·2
Southend	cbc	bc	42	54	-	-	4·5	8·4

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 24-25h	Temperature. Max. Day. 25h	Rainfall.† Night 17h.-9h. 24-25	Rainfall.† Day 9h.-17h. 25	Sunshine. Sunrise to 17h. 25	Sunshine. Sunrise to Sunset. 24
			°F.	°F.	mm.	mm.	hr.	hr.
Ilfracombe	cbcb	b	47	55	0·1	-	7·3	8·0
Bude	bcbcc	bcbc	47	56	0·3	-	9·2	7·2
Penzance	bcb	bbcb	48	59	-	-	8·0	5·8
Paignton	bc	bc	47	60	0·3	-	7·1	4·0
Torquay	b	b	47	60	0·1	-	6·3	4·8
Weymouth	mbcb	b	46	57	-	-	6·0	9·3
Bournemouth ...	ccb	cb	45	58	-	-	4·0	8·4
Portsmouth (S'thsea)	ombb	bbc	45	58	0·4	-	3·6	9·8
Worthing	o	cbc	44	56	-	-	1·8	10·1
Brighton	ocbc	bcbbc	42	56	-	-	2·0	10·1
Eastbourne	cbc	cbc	41	58	-	-	5·5	10·7
Hastings	ocbc	cobcb	45	56	-	-	4·9	10·7
Folkestone	b	b	39	59	-	-	8·7	8·7
Tunbridge Wells ...	oc	bc	41	60	-	-	2·4	9·3
Ramsgate	b	b	44	60	-	-	9·5	7·4
Margate	b	b	44	63	-	-	9·3	9·5
Deal	cbcb	bb	42	61	-	-	8·7	7·5

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22,405 Tuesday, 27th March, 1923.

Observations at 1800 G.M.T. 26th (first set) / Observations at 1800 G.M.T. 26th (second set)

Stations	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1022·9	+6	WSW	3	bc	48	75	7	4000	Cu	3	Ci	5	•	1023·3	0	S	3	bc-	45	75	7	–		0	ACu	4	2
Stornoway	1019·2	0	S	4	bc+	51	75	7	4000	Cu	4	-	4	•	1016·3	-4	S	2	bc+	50	75	7	4000	Cu	6		6	1
Wick	1022·6	+2	S	3	bc+	47	92	8	-	-	0	Ci	5	•	1019·3	-3	SSE	4	bc	46	97	8	–	–	0	Ci	5	0
Castlebay	1017·9	-2	ESE	5	mmb	48	85	6	-	-	0	ASt	2	•	1014·8	-4	ESE	5	mmo	50	85	7			0	CiSt	4	6
Nairn	*	*	*	*	*	*	*							•	1019·1	*		0	bc-	52	65	7	4000	Cu	2	ACu	6	•
Aberdeen	1025·0	0	S	3	b	51	65	7	-	-	0	Ci	1	0	1023·4	-1	SE	3	bc+	45	92	5	1500	St	1	Ci	4	0
Malin Head	1016·5	-3	SE	6	bc	53	85	9	–	–	0	ACu	4	•	1013·6	-1	SE	5	bc	51	55	8	4000	Cu	1	CiCu	5	3
Renfrew	1022·7	-4	SE	3	b/f	56	55	7	4000	StCu	3	-	3	-	1019·8	-2	SE	3	0	55	65	6	5700	StCu	10	–	10	•
Edinburgh (Inchkeith)	1023·1	-1	ENE	1	b-	51	75	8		Cu	3	-	3	•	1020·9	-2	ESE	3	mc-	51	75	6	–	St	5	CiSt	8	2
Leuchars	1023·7	-2	ESE	3	b	35 (51)	75	7	5700	Cu	1	-	1	•	1021·2	-2	SE	4	o+	48	85	6	4000	St	5	Ci	9	•
Eskdalemuir	1022·6	-2	SE	4	c	55	55	8	4000	Cu	7	-	7	0	1020·9	-2	SE'E	1	0	52	75	6	800	St	10	–	10	•
Tynemouth	1025·6	-1	SSE	2	b/f	51	85	6	-	-	0	CiCu	2	•	1023·2	-2	S	2	c+	47	85	6	4000	StCu	5	CiCu	7	1
Blacksod Point														•														
Donaghadee	1020·9	-1	SSE	3	bc+	50	75	8	4000	Cu	6	-	6	•	1018·6	-2	S	2	cpr0	49	85	7	2500	StCu	6	ACu	8	2
Birr Castle	1017·6	*	SE	2	c+	52	97	8	4000	StCu	8	-	8	•	1013·9	*	SE	3	c	51	75	8	2500	StCu	8	–	8	•
Holyhead	1021·4	-2	SWS	2	o	53	85	9	4000	StCu	10	-	10	0	1018·8	-2	S	1	c/r	53	92	8	4000	StCu	5	ACu	7	0
Liverpool (Bidston)	1022·2	-2	SE'E	2	bc+	57	65	4	2500	Cu	6	-	6	•	1020·0	-2	SE	3	c+	56	75	7	2500	StCu	8	–	8	3
Chester (Shotwick)	1022·3	-3	SE	3	b	61	65	4	2500	Cu	3	–	3	0	1020·4	-1	S	3	cr0	55	75	6	1500	St	8	–	8	•
Spurn Head	1025·4	-0	E	2	o	49	85	6	4000	StCu	10	-	10	•	1023·3	-2	ESE	1	o+	46	92	5	2500	Nb	6	ASt	10	0
Nottingham	1023·5	0	ESE	2	o	59	75	7	2500	StCu	7	ACu	9	•	1021·9	-4	SE	1	0	56	85	7	2500	Nb	9	CiSt	10	5
Cranwell	1024·8	-2	E'N	1	o	53	85	6	4000	StCu	8	ACu	10	0	1022·8	-1	E'N	1	m0	55	92	6	2500	St	10		10	•
Gorleston	1024·8	0	NNE	2	cpr0	46	92	5	4000	StCu	8	-	8	•	1023·9	-1	E'N	1	mc+	47	92	6	–	–	0	CiCu	8	0
Valencia (Cahirciveen)	1017·2	-3	SSE	6	o	53	75	8	2500	StCu	9	–	9	0	1018·7	-4	SSE	6	o+	52	75	8	2500	StCu	10	–	10	6
Roches Point	1016·6	-2	SE	5	b	51	97	8	2500	St	1	Ci	2	•	1015·0	-3	SSE	5	o	49	97	6	1500	St	10	–	10	6
Pembroke (St. Ann's H.)	1020·5	-2	SE	4	bc-	52	65	8	4000	Cu	5	-	5	•	1018·2	-3	SE	4	o+	50	92	8	2500	StCu	10	–	10	3
Ross-on-Wye	1022·4	-2	S	1	o+	58	97	8	4000	Cu	1	ASt	9	0	1020·8	-2	ESE	1	o	56	75	7	4000	StCu	9	–	9	•
Benson	1023·1	-3	S	2	o/f	59	75	6	–	StCu	10	–	10	1	1021·9	-2	SW	1	bc	57	85	6	–	StCu	5	–	5	•
Andover	1022·8	-0	SE	2	c/f	59	75	6	2500	StCu	8	-	8	0	1022·0	-1	SE	2	b	56	85	7	–	–	0	–	0	•
S. Farnborough	1023·4	-2	SE	3	mmo	60	75	6	2500	Cu	10	-	10	0	1021·0	-2	–	0	mmb	57	85	5		–	0	–	0	•
London (Kew Obsy.)	1023·5	-3	SE	2	o	61	75	6	4000	StCu	10	-	10	2	1022·1	-1	–	0	b+	59	75	5	5700	StCu	1	Ci	2	•
Croydon	1023·2	-2	SE	2	o	62	75	6	2500	StCu	10	-	10	1	1022·0	-1	S	2	b	60	75	6	2500	StCu	1	–	1	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*			•	1023·3	0	ENE	3	bc	50	92	6	2500	Cu	3	CiCu	5	0
Shoeburyness	1023·7	-1	E'S	3	b/f	58	85	7	–	–	0	CiCu	2	•	1022·9	-1	ESE	2	b-	50	85	7	–	–	0	ACu	1	•
Grain	1023·8	-2	E'N	4	bc+	52	92	6	4000	Cu	1	ACu	6	2	1022·8	0	ESE	2	b	51	92	6	4000	CuNb	1	ACu	2	0
Lympne	1023·6	-1	ESE	3	bc	59	85	6	4000	StCu	2	ACu	6	1	1023·0	0	E'S	1	b	57	85	6	4000	CuNb	1	ACu	2	•
Scilly (St. Mary's)	1020·7	0	SE'S	3	mo	50	85	6	4000	StCu	10	-	10	•	1017·4	-2	SSE	3	o	50	92	6	1500	St	10	–	10	2
Falmouth (Pendennis)	1021·5	-2	SE	4	FFo	49	97	1	220	St	10	-	10	•	1016·4	-4	ESE	4	ffo	49	97	1	<150	St	10	–	10	2
Plymouth (Cattewater)	1021·3	-2	E'S	4	o-	53	92	6	800	St	10	-	10	1	1019·3	-2	ESE	3	o-	52	97	7	1500	StCu	9	ACu	10	0
Portland Bill	1023·2	-2	ENE	4	mo-	49	92	5	450	St	10	-	10	•	1021·2	-4	NE	4	Fo+	47	92	1	450	St	10	–	10	2
Southampton (Calshot)	1023·4	-2	ESE	4	o+	53	85	6	-	-	0	ASt	10	0	1022·1	-1	ESE	4	b	49	92	6	–	–	0	–	0	0
Dungeness	1023·9	-1	NE	3	bc	54	85	7	-	-	0	ACu	5	•	1022·8	-1	NE	3	b	50	92	7	–	–	0	Ci	3	3
Jersey	1022·4	0	SE	2	bc/f	58	85	7	4000	StCu	3	ACu	5	•	1021·4	-1	S	3	o/r	59	65	7	2500	CuNb	10	–	10	3

24 Hours ended 0900 G.M.T. 27th

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 6h. G.M.T. % To-day
Kew (24 hours ended 0700)	obcm	omrczb	bzfrel	*	*	34	tra	tra	1.32	*	*
Croydon (24 hours ended 0700)	ofmz	obz	bcmrc	*	*	44	tra	2	4.2	*	*
Greenwich (Royal Obsy.)	c	opb	bmlmrb	63	45	36	0.5	3	3.7	84	72
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	63	45	39	0.7		0.2	72	72
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	om	om	*	62	44	38	–	0.5	*	*	93
Kensington Palace	o	cm	*	64	43	37	–	0.4	*	93 (18h)	74
Hampstead Observatory	*	*	*	59	47	45	tra	0.3		*	76

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 1600 G.M.T. 25th

	Max.	Time.	Min.	Time.
South Kensington	0·6	18h-21h (25)	0·3	1h-5h (26)
	2	9h (26)		
Kew Observatory	0·5	21h (25)	<0·3	18h (25)
	0·9	10h (26)		

Pole Star Record at Greenwich Obsy.

Exposure from 26th 19h 15m. to 27th 4h 45m.

Stars.	Exposure h. m.	Record h. m.	
Polaris	9.30	5.55	62
δ Ursae Minoris	9.30	3.25	36

Code for State of Ground.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (not less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew or hoar frost [illegible] ground.
6=[illegible]
7=Snow [illegible]
8=Snow [illegible]
9=Glazed [illegible] from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.¹

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	5	-	105
18h.	C	6	-	100
01h.	C	6	-	155
07h.	C	4	–	–

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

27th - 28th, March, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·42 / 5·39	11·59 / 11·58	6 15 / 6 17
Greenwich	5·50 / 5·47	12·6 / 12·5	6 22 / 6 23
Wick	5·58 / 5·55	12·18 / 12·17	6·38 / 6·40
Valencia	6·31 / 6·28	12·47 / 12·47	7·3 / 7·4

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
u unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather. A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail":

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r0r0 = continuous light rain.

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Sea Disturbance.
0=no swell }
1=mod. swell } Calm or slight sea.
2=heavy swell }
3=no swell }
4=mod. swell } Moderate sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

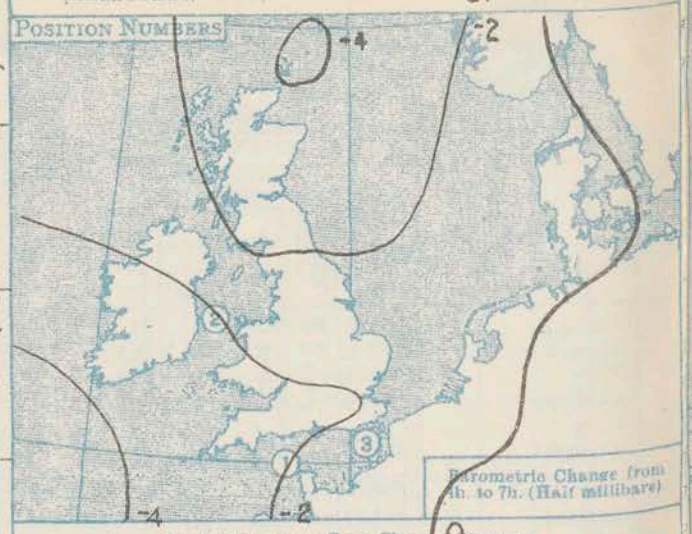
¹ For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 2.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 26th	13h.-18h. 26th	18h. 26th to 1h. 27th	1h.-7h. 27th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 26th Hours.
Lerwick	bc	bc	bc	om	50	42	•	–	–	–	–	8·4
Stornoway	b.bc	c	b-bc	c	52	42	•	–	–	•	–	7·1
Wick	b.bc	b or bc	c	offe	48	43	•	–	–	–	–	•
Castlebay	cb	bcm	bcdmw	bmof	50	49	•	–	–	–	–	7·5
Nairn	b bcm	bcm	bcm	bcmc	59	43	•	–	–	–	–	8·6
Aberdeen	bmb	b bcm	bcom	oofe	52	42	37	–	Trace	–	3·30	10·0
Malin Head	bcv	bc3	bcvw	cov	54	49	•	–	–	–	–	10·1
Renfrew	cffby	byco	obrm	obrm	61	45	41	–	0·2	–	–	5·4
Edinburgh (Inchkeith)	bc	bc	cb	dm	57	43	40	–	–	–	–	6·9
Leuchars	b.bc	b bc co	om	or.	52	39	30	–	0·3	–	6·30	7·3
Eskdalemuir	bbccy	omg	omb	obro	57	46	41	–	0·4	–	2·30	7·1
Tynemouth	lfbc	cm	cm	om	51	43	37	–	–	–	–	•
Blacksod Point ...							•					•
Donaghadee	bc	cm	omq	ombq	52	49	•	–	2	–	2400	•
Birr Castle	co	c o	co	cors	57	48	45	–	0·6	–	6·30	6·7
Holyhead	cbcov	oc oir	obcor	oo	58	46	44	0·2	1	1630	2400	2·8
Liverpool (Bidston) ...	bcm	bc		cm	60	39	34	–	–	–	–	6·1
Chester (Shotwick) ...	bcmcbz	bz bcc	obcm	bcoddm	62	48	38	Trace	0·2	1730	3·30	5·8
Spurn Head	c	c	otlrcb	c	50	46	•	–	1	–	<2100	0·5
Nottingham	cfr	oo	om	cw	59	40	36	–	–	–	–	1·7
Cranwell	bco	c o m	otlr.ocbcm	bcf	59	41	38	Trace	1	1230	<2100	3·6
Gorleston	cmpr	cm	cmtlr	bmw	51	43	35	Trace	–	<0800	–	4·5
Valencia (Cahirciveen)	oco	oco	orq	oto	53	50	48	–	1·4	–	<2100	1·1
Roches Point	obcb	b cco	orto	bbm	51	49	*	–	7	–	<2100	3
Pembroke (St. Ann's H.)	c	pcq	bccoq	bp	54	48	•	–	2	–	0230	9·2
Ross-on-Wye	cmbmc	opc o	bcbwc	bcoco	59	49	42	0·3	0·1	1330	–	3·7
Benson...	mco3	bc	bcb	bw	62	47	39	–	–	–	–	•
Andover	ofocm	cmbcb	bbcbm	bccw	62	41	33	–	Trace	–	–	4·8
S. Farnborough ...	bcomm	pr m	bbc	bcco	62	44	•	Trace	–	1430	–	3·1
London (Kew Obsy.) ...	ofpcmom	omi c3b	bzbfwl	bffwbc	63	41	34	Trace	Trace	1430	–	1·2
Croydon	omz	obz	bcmrc	cm	63	50	44	Trace	2	–	–	4·2
Clacton-on-Sea ...		bcm	bcm	bcm	55	47	39	Trace	–	0900	–	7·5
Shoeburyness	orff	b	b	bw	58	41	33	0·5	Trace	<0800	–	7·7
Grain	ofpbm	bc bmw	bblm	bbmw	54	46	39	0·1	Trace	1230	–	7·9
Lympne	otm	bc bmw	bmlw	bmw	60	48	38	–	Trace	–	–	9·1
Scilly (St. Mary's) ...	oif	omw	bcq	oqd.	54	48	•	3	0·5	–	2·30	1·0
Falmouth (Pendennis)	FF	ff	fco	coc	49	48	•		–	<0800	–	0·0
Plymouth (Cattewater)	ofoo	oco	or	oo	55	49	46	0·6	1	<0800	2·30	0·8
Portland Bill	fom	omf	obc	bcc	50	44	•	0·2	–	1330	–	•
Southampton (Calshot)	cmom	c	bmm	bmcm	54	46	43	–	1	–	<2100	4·4
Dungeness	b.bc	b	b-bc	b-bc	54	47	•	–	–	–	–	•
Jersey	offbc	bc	ocbw	bwbc	62	48	•	0·2	–	1630	–	2·8

Should be

ISALLOBARS. 27th March, 1923.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.*
2	26th 1000	"Hibernia"	SSE	4	bc	49	47	8
3	27th 0300	"Dieppe"	SE	1	bc	50	48	7

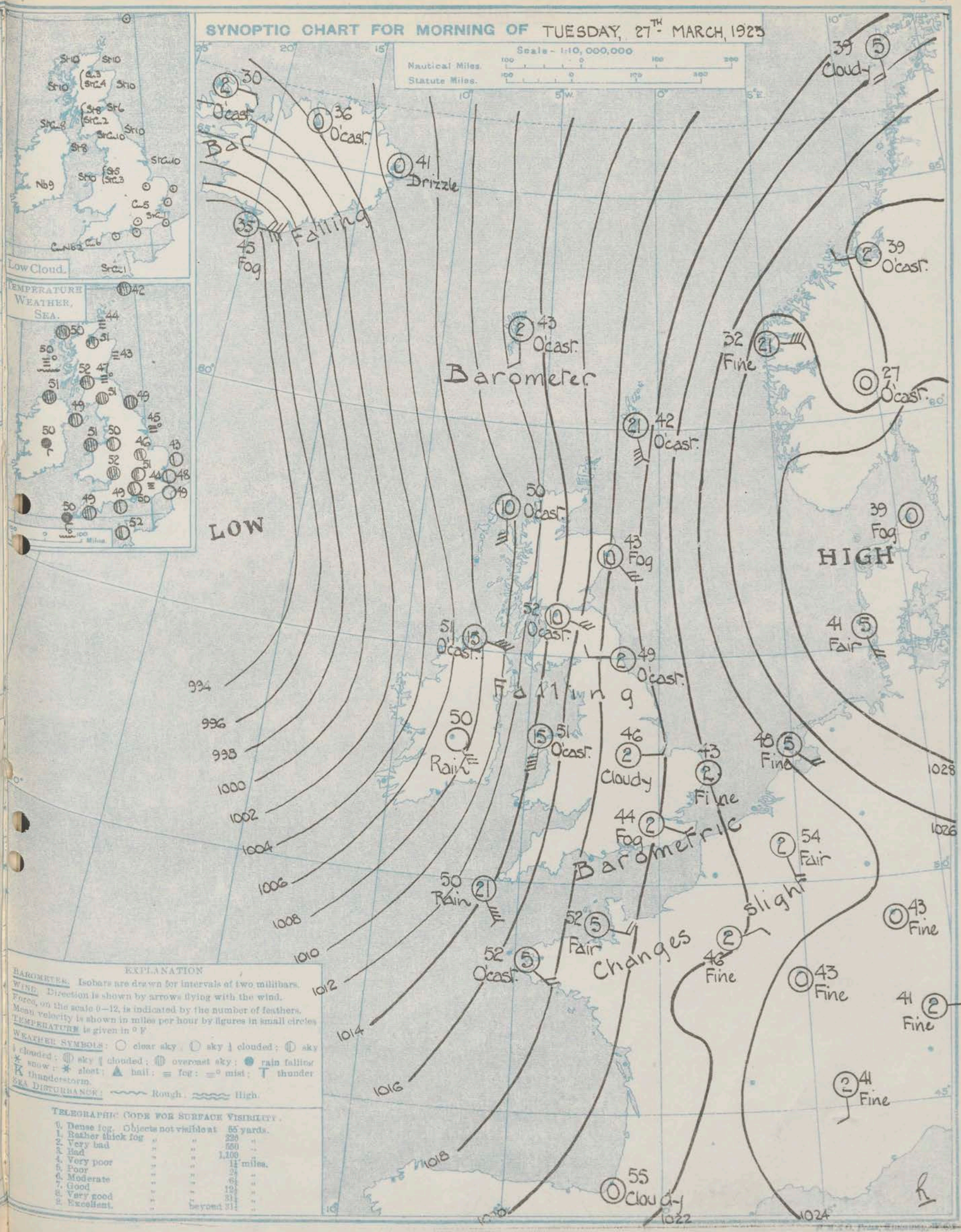
GENERAL INFERENCE.

The general situation remains unchanged and mainly fair weather with occasional showers is probable and rather high day temperatures over England.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 27th March, 1923	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Moderate S.E. to S. winds; mainly fair but occasional showers not improbable; visibility poor to moderate; rather warm.	None issued. -------
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Moderate or fresh Southerly winds; mainly cloudy, some rain; visibility moderate or good; moderate temperature.	
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland	Same as 1 - 4.	
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	Same as 5 - 8.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0905 G.M.T. G. C. SIMPSON, F.R.S., Director.

* For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF TUESDAY, 27TH MARCH, 1923
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Low Cloud.
TEMPERATURE WEATHER, SEA.
Barometer
Falling
Barometric
Changes
slight
LOW
HIGH
Cloudy
Fine
Fair
Fog
Drizzle
Rain
O'cast.
994
996
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
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 °F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles.
5. Poor " " 2½ "
6. Moderate " " 6½ "
7. Good " " 12½ "
8. Very good " " 31½ "
9. Excellent. " beyond 31½ "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Tuesday, 27th March 1923. No. 86.

Observations at 0100 G.M.T. 27th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1021·9	-1	S	4	b	44	75	7	-	-	0	CiSt	2	*
Stornoway	1013·3	-2	S	1	bc-	*	*	6	*	*	*	*	*	*
Wick	1019·5	-1	S	4	bc	44	97	8	5700	Cu	4	Ci	6	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1010·3	-2	SSE	5	o+	51	92	8	5700	StCu	9	-	9	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1019·4	-2	NE	2	b-	44	97	7	-	-	0	ACu	1	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1024·7	-1	S	1	b	45	97	6	-	-	0	-	0	*
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1015·7	-3	S'E	4	o/r	53	92	8	2500	StCu	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1021·7	-1	SSE	2	b	45	92	6	-	-	0	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1022·2	-1	SSE	2	bc+	43	97	4	-	-	0	ACu	4	*
Gorleston	1023·0	-1	S'W	2	b	47	97	6	-	-	0	-	0	*
Valencia (Cahirciveen)	1004·6	-4	SE	5	orr	51	97	6	-	St	10	-	10	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1015·9	-1	SSE	4	0	49	97	7	1500	St	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover		*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...		*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...		*	*	*	*	48	*	*	*	*	*	*	*	*
Croydon	1021·6	-1	SSE	2	c/r	50	97	8	5700	StCu	5	ACu	8	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1027·6	-1	SE'S	1	b	50	92	6	-	-	0	Ci	1	*
Scilly (St. Mary's) ...	1015·3	-1	SSE	5	b	49	97	7	4000	StCu	2	-	2	*
Falmouth (Pendennis)	1016·8	-2	SW	5	o/f	50	92	7	4000	St	9	-	9	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1019·2	-3	SE'E	4	b-	45	92	7	-	-	0	CiCu	3	*
Southampton (Ca. shot)	1021·1	-2	ESE	2	b*	46	97	6	-	-	0	CiSt	3	*
Dungeness	1022·3	-1	NE	1	b	49	92	8	-	-	0	Ci	3	*
Jersey 7h }	1020·0	+1	ESE	4	bc+	52	85	7	-	-	0	CiSt	4	*
Guernsey 1h }														

Observations at 0700 G.M.T. 27th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1019·2	-4	S	5	o+	42	97	5	-	-	0	ASt	10	4
Stornoway	1008·8	-3	S	3	o+	50	85	6	800	St	10	-	10	1
Wick	1015·8	-3	S	2	Fo+	44	97	0	<150	St	10	-	10	3
Castlebay	1008·6	-2	SE	6	mmo	50	97	6	800	St	10	-	10	7
Nairn	1013·9	*	-	0	C+	51	85	7	4000	StCu	7	-	7	*
Aberdeen	1018·2	-3	SE	3	FFo	43	97	0	<150	St	10	-	10	0
Malin Head	1007·7	-1	ESE	4	o	51	92	8	5700	StCu	8	ACu	9	3
Renfrew	1014·4	-4	ESE	3	o/r	52	92	6	2500	St	10	-	10	*
Edinburgh (Inchkeith)	1016·0	-3	E	2	mmo	47	92	6	-	St	6	ASt	10	2
Leuchars	1018·6	-2	E	0	FFo	43	97	1	<150	St	10	-	10	3
Eskdalemuir	1015·9	-2	SE'S	3	o	51	85	6	2500	StCu	10	-	10	*
Tynemouth	1018·6	-2	W	1	o	49	92	5	2500	St	10	-	10	0
Blacksod Point ...	1013·7	-1	S	3	c-	49	92	7	1500	St	8	-	8	2
Donaghadee	1007·3	*	SE	3	or-	50	92	7	800	Nb	9	-	9	*
Birr Castle	1014·2	-2	S'W	4	o	51	92	8	5700	St	10	-	10	3
Holyhead	1015·8	-1	ESE	3	C+	50	92	5	2500	St	8	-	8	3
Liverpool (Bidston) ...	1016·2	-1	SE	3	o	49	92	6	4000	StCu	3	ASt	9	*
Chester (Shotwick) ...														
Spurn Head	1020·0	-1	SE	3	mmo	45	92	5	4000	StCu	10	-	10	1
Nottingham	1018·9	-1	E	1	c	46	97	5	-	-	0	Ci	7	*
Cranwell	1020·3	-2	SE'S	3	fbc-	44	97	2	<150	St	3	CiSt	4	*
Gorleston	1022·2	0	S'E	1	b	43	97	6	-	-	0	Ci	1	0
Valencia (Cahirciveen)	1004·4	+1	S	3	MC-	50	97	6	225	StCu	5	Ci	8	1
Roches Point	1006·6	-2	S	4	orr	48	97	5	1600	Nb	10	-	10	6
Pembroke (St. Ann's H.)	1022·1	0	SE	3	Fo	45	97	2	<150	St	10	-	10	3
Ross-on-Wye	1017·2	-2	SSE	2	o	52	85	7	-	-	0	Ci	10	*
Benson	1018·5	0	SE	2	C+	51	85	6	-	Cu	5	Ci	8	*
Andover	1019·2	-2	E	2	C+	43	97	7	4000	StCu	1	Ci	8	*
S. Farnborough ...	1019·4	0	SSE	2	c	50	92	6	-	-	0	ACu	8	*
London (Kew Obsy.) ...	1019·7	0	E'S	1	fbc	44	97	2	4000	StCu	2	Ci	4	*
Croydon	1020·0	-2	S'E	3	c	51	85	6	-	-	0	Ci	7	*
Clacton-on-Sea ...	1021·0	-2	ESE	3	b	48	92	6	-	-	0	Ci	3	0
Shoeburyness	1021·0	-1	SE	2	mb-	48	85	6	-	-	0	ASt	1	*
Grain	1020·6	-1	SE	2	b	49	85	6	-	-	0	Ci	1	0
Lympne	1020·9	-1	SE'E	3	b	50	85	7	-	-	0	Ci	1	*
Scilly (St. Mary's) ...	1012·1	-3	SSE	5	ors	50	92	7	4000	CuNb	2	ASt	10	6
Falmouth (Pendennis)	1014·9	-2	S	4	c-	49	92	7	4000	Cu	6	Ci	8	3
Plymouth (Cattewater)	1015·5	-2	SSE	4	o	50	97	7	450	St	1	ASt	9	0
Portland Bill	1018·5	-2	SSE	4	bc+	49	92	7	-	-	0	ACu	6	2
Southampton (Ca. shot)	1019·3	-1	E	2	c/m	47	92	4	-	-	0	Ci	7	0
Dungeness	1020·8	-1	-	0	b	49	92	7	-	-	0	-	0	2
Jersey 7h }	1018·6	0	ESE	2	bc	52	85	7	4000	StCu	1	Ci	5	0
Guernsey 1h }														

0700 Should be 26th

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 26th March

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 25th-26th °F.	Temperature. Max. Day. 26th °F.	Rainfall.† Night 17h.-9h. 25th-26th mm.	Rainfall.† Day 9h.-17h. 26th mm.	Sunshine. Sunrise to 17h. 26th hr.	Sunshine. Sunrise to Sunset. 25th hr.
Montrose	*	*	34	49	-	-	9·2	6·9
Llandudno	bce	c	36	61	-	-	3·0	7·9
Colwyn Bay ...	bbc	bbc	34	64	-	-	8·4	8·5
Rhyl	bc	bccbc	33	63	-	-	6·7	9·1
Southport	mbc	bcco	33	62	-	-	5·1	0·4
Blackpool	bc	co	36	61	-	-	6·1	5·3
Ilkley	xmbcb	b	29	59	-	-	6·1	8·6
Harrogate	b	b	34	59	-	-	8·7	0·0
Skegness	c	c	39	48	0·1	Trace	1·7	4·2
Aberystwyth ...	ocb	b	37	61	-	-	3·8	8·7
Bath	mbcco	ocbcb	37	60	-	-	2·5	3·8
Leamington Spa ...	cb	cb	34	60	-	-	0·7	4·0
Lowestoft	oro	ocb	40	52	0·2	1	4·4	7·4
Felixstowe	pgmd	b	43	52	1	0·2	6·2	6·2
Southend	forbc	bcb	46	61	6	-	7·5	4·5
Ilfracombe	cp	c	44	58	-	0·3	5·1	7·8
Bude	pcdbc	cbccc	38	61	-	-	3·6	9·6
Penzance	of	of	45	51	0·4	-	0·0	9·1
Paignton	of	of	42	49	1	1	0·0	7·9
Torquay	dfco	fdco	46	50	0·1	0·1	0·0	7·0
Weymouth	oc	f	44	52	0·2	-	0·2	6·4
Bournemouth ...	m	m	41	53	0·2	-	1·5	3·7
Portsmouth (S'thsea)	fb	b	44	57	-	-	6·8	4·0
Worthing	bcb	b	47	57	0·2	-	5·3	1·8
Brighton	ocbc	bb	47	57	4	-	8·4	2·0
Eastbourne	bcb	b	48	58	4	-	9·2	5·5
Hastings	b	b	47	59	2	-	9·0	4·9
Folkestone	b	b	45	58	-	-	7·5	8·7
Tunbridge Wells ...	bc	bbc	45	66	0·1	-	7·1	2·3
Ramsgate	bcb	bm	47	58	0·1	-	6·2	9·9
Margate	cbcb	bb	47	57	0·4	-	6·5	9·6
Deal	rfoc	bcbb	47	57	1	-	6·2	9·4

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22406 WEDNESDAY, 28TH MARCH...1923.

Observations at 1300 G.M.T. 27th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1018·3	0	S	4	ffo	45	97	2	1500	St	10	-	10	•
Stornoway	1003·8	0	S	4	o/r	54	85	6	800	St	10	-	10	•
Wick	1014·5	-2	S	2	mo-	47	97	4	450	St	6	ASt	10	•
Castlebay	1009·0	0	ESE	5	oror₀	48	97	6	800	Nb	10	-	10	•
Nairn	•	•	•	•	•	•	•							•
Aberdeen	1017·0	-2	E	1	mo-	43	97	4	4150	St	9	-	9	1
Malin Head	1006·8	-0	SE	5	or₀	52	92	8	4000	StCu	6	ASt	9	•
Renfrew	1013·8	-1	SSE	4	o	58	65	7	2500	StCu	9	-	9	0
Edinburgh (Inchkeith)	1014·8	-3	SSW	2	o	53	92	7	-	Cu	2	CiSt	10	•
Leuchars	1015·0	-1	SE	4	o	55	85	6	4000	StCu	9	-	9	0
Eskdalemuir	1014·7	-1	SSW	4	o	58	75	7	4000	StCu	10	-	10	0
Tynemouth	1016·9	-2	ESE	1	o/f	50	92	5	-	-	0	ASt	10	•
Blacksod Point														•
Donaghadee	1013·0	-1	SSW	3	or₀	50	92	7	1500	St	6	ACu	9	•
Birr Castle	1006·2	•	SE	2	or₀r₀	51	85	8	2500	Nb	10	-	10	•
Holyhead	1012·6	-3	SSE	4	or₀	55	65	9	1500	Nb	5	ASt	10	0
Liverpool (Bidston)	1013·8	-2	SE	3	c	60	65	5	-	-	-	CiSt	7	
Chester (Shotwick)	1014·5	-3	SE	4	o	63	55	8	2500	Cu	3	ASt	9	0
Spurn Head	1018·8	-2	SE	3	c	54	75	6	4000	StCu	8	-	8	•
Nottingham	1016·7	-3	S	3	bc	66	55	8	1500	Cu	2	Ci	6	•
Cranwell	1018·3	-2	S'E	4	o+	66	65	7	4000	Cu	2	CiSt	9	0
Gorleston	1020·9	-1	SE'S	2	b	50	65	6	-	-	0	-	0	•
Valencia (Cahirciveen)	1004·6	-1	WSW	2	c-	52	85	7	1500	StCu	5	ACu	7	•
Roches Point	1015·2	-2	S	3	or	49	97	5	800	Nb	10	-	10	•
Pembroke (St. Ann's H.)	1011·5	-4	SE	5	opr₀	50	85	8	2500	Nb	10	-	10	•
Ross-on-Wye	1015·1	-4	S'E	4	o+	62	65	8	4000	Cu	4	Ci	5	0
Benson	1016·6	-3	S	5	c	65	65	8	-	Cu	4	Ci	7	1
Andover	1016·9	-2	SE	4	c⊕	64	65	8	4000	StCu	2	CiSt	8	0
S. Farnborough	1018·8	-2	SE	4	o	65	55	7	4000	Cu	1	Ci	9	0
London (Kew Obsy.)	1018·2	-3	S	4	c⊕	66	55	8	2500	Cu	1	Ci	8	1
Croydon	1018·5	-2	S	4	c	65	55	8	4000	Cu	2	CiSt	8	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1019·8	-2	SSE	4	bc+	65	75	8	-	-	0	Ci	5	+
Grain	1019·2	-2	S	4	c	65	55	8	-	-	0	Ci	7	1
Lympne	1019·9	-2	SE	3	bc	59	75	8	4000	Cu	1	CiSt	6	0
Scilly (St. Mary's)	1008·7	-3	SSE	6	or₀	51	97	6	1500	St	10	-	10	•
Falmouth (Pendennis)	1012·0	-3	S	6	or₀r₀	51	97	8	4000	Nb	10	-	10	•
Plymouth (Cattewater)	1014·1	-2	SE	4	or₀	52	97	7	2500	Nb	2	ASt	10	1
Portland Bill	1015·7	-3	ESE	4	bc	52	92	7	-	-	0	ACu	6	•
Southampton (Calshot)	1017·0	-3	ESE	4	o⊕	54	85	8	4000	StCu	2	CiSt	9	0
Dungeness	1019·7	-1	NE	2	bc	57	65	7	-	-	0	Ci	4	•
Jersey	1016·8	-1	SSE	3	c	58	75	7	-	-	0	ACu	8	•

Observations at 1800 G.M.T. 27th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1017·0	0	S	3	mc-	45	97	6	450	St	4	CiCu	8	2
Stornoway	1009·7	0	S	4	o	50	92	6	800	St	10		10	3
Wick	1013·3	0	SW	2	mmc	46	97	5	1500	St	2	ACu	7	0
Castlebay	1008·0	0	ESE	5	orr	43	97	6	450	Nb	10		10	7
Nairn	1012·0		-	0	c	58	75	7	4000	Cu	4	CiCu	3	•
Aberdeen	1015·4	-1	S	1	bc	48	85	4	-	-	0	ASt	4	0
Malin Head	1005·7	-1	SW	4	or₀	50	92	7	4000	Nb	7	ASt	10	3
Renfrew	1011·1	-3	-	0	o	55	75	6	1500	St	10	-	10	•
Edinburgh (Inchkeith)	1012·3	-1	ESE	1	mo+	53	85	6	-	Sc	5	ASt	10	2
Leuchars	1012·7	-2	ESE	3	o	48	92	5	4000	St	8	ASt	10	•
Eskdalemuir	1011·8	-3	SES	3	o	58	65	6	1500	StCu	5	ACu	9	•
Tynemouth	1014·0	-3	SSE	3	c	51	85	6	-	-	0	CiCu	7	1
Blacksod Point														
Donaghadee	1010·2	-1	SSW	3	or₀	51	85	7	1500	St	6	ASt	10	3
Birr Castle	1004·8	*	SSE	2	c/r	52	92	7	2500	StCu	8	-	8	•
Holyhead	1009·6	-2	S'E	5	o/r	53	92	8	1500	StCu	10	-	10	4
Liverpool (Bidston)	1011·7	-1	SE	4	c	58	97	7	1500	StCu	8	-	8	4
Chester (Shotwick)	1012·1	-1	SSE	3	o/r	58	85	6	1500	StCu	9	ACu	10	•
Spurn Head	1016·2	-2	ESE	4	o	48	85	6	2500	St	3	Ci	9	2
Nottingham	1014·8	-1	SSE	2	c+	62	65	8	1500	StCu	7	Ci	8	6
Cranwell	1016·1	-2	SE'S	3	o	59	75	7	-	-	0	Ci	9	•
Gorleston	1019·4	-1	S	1	bc+	46	92	5	4000	StCu	1	CiCu	4	0
Valencia (Cahirciveen)	1004·3	0	NWW	2	c-	51	85	8	2500	StCu	5	ACu	7	1
Roches Point	1005·9	+1	SSW	3	o	48	97	5	450	St	10	-	10	3
Pembroke (St. Ann's H.)	1009·1	-3	SSE	6	mo-	49	97	5	800	St	10	-	10	5
Ross-on-Wye	1014·0	0	S	2	or₀	54	85	8	4000	CuNb	7	ASt	10	•
Benson	1015·3	-1	SSE	4	o	60	65	8	-	Cu	9	-	9	•
Andover	1016·1	-2	SSE	4	oPR	53	92	7	1500	Nb	10	-	10	•
S. Farnborough	1015·9	-2	S'W	3	mmo	60	65	6	4000	StCu	10	Ci	10	•
London (Kew Obsy.)	1016·3	-1	SSE	2	b	62	55	8	2500	StCu	1	Ci	3	•
Croydon	1016·7	-2	SE	2	c	61	55	7	4000	StCu	4	CiSt	7	•
Clacton-on-Sea	1018·0	-2	ESE	3	c	51	85	6	-	-	0	Ci	7	0
Shoeburyness	1017·7	-2	ESE	4	c+	53	85	7	7200	StCu	5	Ci	7	•
Grain	1017·5	-1	SE	4	c	56	75	7	-	-	0	Ci	8	0
Lympne	1017·8	-1	ESE	3	c	57	75	7	4000	Cu	2	Ci	7	•
Scilly (St. Mary's)	1009·7	+2	SSW	3	mmbc	51	92	6	4000	StCu	5	-	5	6
Falmouth (Pendennis)	1011·9	+3	SW	5	or	51	92	7	4000	Nb	10	-	10	4
Plymouth (Cattewater)	1012·2	-2	S	6	orr	51	97	5	-	Nb	10	-	10	0
Portland Bill	1011·3	-2	WSW	4	c+	50	92	7	1500	StCu	8	-	8	3
Southampton (Calshot)	1015·9	-1	SSE	3	orr	53	85	5	1800	Nb	10	-	10	0
Dungeness	1017·7	-2	E	2	bc	52	85	7	-	-	0	Ci	5	2
Jersey	1015·2	-1	SSW	3	o	58	75	7	2500	StCu	10	-	10	3

LONDON OBSERVATIONS.	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. *Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day
	24 Hours ended 0900 G.M.T.										
Kew (24 hours ended 0700)	czbecy	c/by	or.oco	•	•	48	-	3	6·6	•	•
Croydon (24 hours ended 0700)	cbcmz	cy⊕	cy.or.of	•	•	46	-	2	9·4	•	•
Greenwich (Royal Obsy.)	cbc	cbc	bcopbc	41	50	46	-	2	6·4	50	42
City (Bunhill Row)	•	•	•	•	•	•	•	•	3·1	•	•
Westminster (St. James' Pk.)	•	•	•	69	51	48	1		5·4	44	42
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	2·9	•	•
Camden Square	bcm	b	•	69	49	44	-	2	•	•	43
Kensington Palace	bcm	bc	•	68	49	48	-	3	•	51 (18h)	69
Hampstead Observatory	•	•	•	65	48	46	-	3	5·8	•	80

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 27th

South Kensington Max.	Time.	Min.	Time.
2·0	20h-24h (26)	0·3	1h-5h (27
1·3	8h (27)		

Kew Observatory Max.	Time.	Min.	Time.
1·3	1h (27)	<0·3	12h-14h (27)
0·5	4h (27)		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 27th 19 h. 15 m. to 28th 4 h. 45 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	9 30	1 15	13
δ Ursae Minoris	9 30	0 55	10

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer.
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	c	5	-	10°
18h.	c	4	-	-
01h.	c	5	-	150°
07h.	c_1 c_2	5	-	52°

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

28th - 29th March 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·39 5·37	11·58 11·58	6.17 6.19
Greenwich	5·47 5·45	12·5 12·5	6·23 6·25
Wick	5·55 5·52	12·17 12·17	6·40 6·42
Valencia	6·28 6·26	12·46 12·46	7·4 7·6

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather. A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r_0r_0 = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

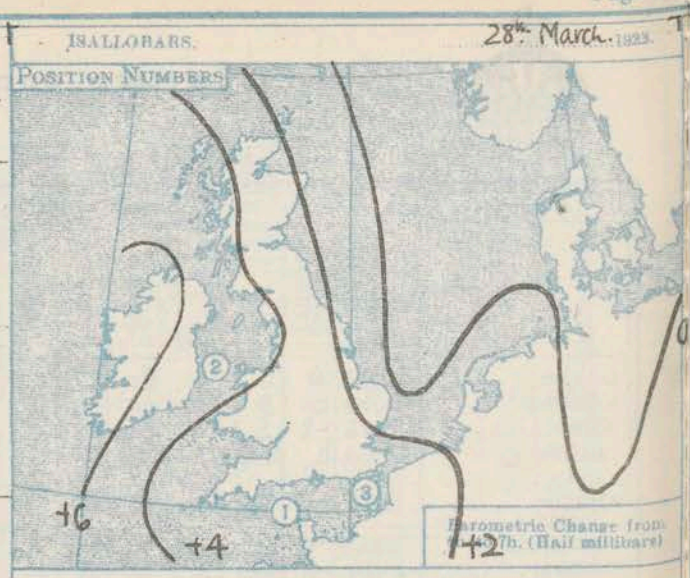
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h. 27th	13h.–18h. 27th	18h. 27th to 1h. 28th	1h.–7h. 28th	TEMPERATURE. MAX. Day. 7h.–18h.	MIN. Night. 18h.–7h.	MIN. on GRASS	RAINFALL.† Day. 7h.–18h. mm.	Night. 18h.–7h. mm.	Precipitation began.	Precipitation began.	SUN. 26th Hours.
Lerwick	F	cm	cm	cm	47	43	•	–	–	–	–	0.0
Stornoway	p	00	r.d	pro	55	46	•	0.3	1	–	–	5.6
Wick	ofrom	ocmm	om	ifm	47	44	•	2	0.5	0900	<2100	•
Castlebay	ofr	rr	rrofi	opo	50	48	•	6	2	–	–	0.0
Nairn		cm	bcm	cq	60	51	•	–	–	–	–	0.1
Aberdeen	Fted	obcm	bc	c	50	44	36	0.3	0.2	0900	06.30	0.4
Malin Head	comr	oirm	rrco	c	52	46	•	3	1	0900	<2100	0.0
Renfrew	omo	o3	omrr	oirm	59	49	43	–	3	–	2200	0.4
Edinburgh (Inchkeith)	oo	m	orr	ir	60	44	45	–	0.1	–	03.30	1.1
Leuchars	omecoz	bcompr	omrm	omom	58	45	40	Trace	1	1730	02.30	2.9
Eskdalemuir	oo	o3	opr	omirm	61	45	45	–	4	–	<2100	1.4
Tynemouth	offm	m	cmo	oirm	54	44	44	–	1	–	0330	•
Blacksod Point ...							•					•
Donaghadee	cmr	omr	omrbc	bcff	51	45	•	2	2	0900	<2100	•
Birr Castle	orr	oRR	co	cb	52	41	32	8	–	<0800	•	0.0
Holyhead	obcir	oir	oir	oo	54	46	43	0.6	Trace	1100	<2100	0.4
Liverpool (Bidston) ...	ocm	oo		p	63	48	44	–	1	–	2200	1.5
Chester (Shotwick) ...	omoo	oggr	morr	modom	63	44	43	0.1	1	1730	<2100	2.0
Spurn Head	b.bc	c	c	cop	53	44	•	–	0.2	–	05.30	2.8
Nottingham	c	c	co	fi	66	50	48	–	0.5	–	2400	5.0
Cranwell	fm	oo	orm	rd	67	48	44	–	1	–	2400	5.5
Gorleston	bz	bbc3	bbc	bcorm	51	44	35	–	0.4	–	0530	10.3
Valencia (Cahirciveen)	comc	c	o	orc	55	44	43	–	4	–	–	1.3
Roches Point	rrrm	rorr	ocb	bcorr	51	45	*	13	2	<0800	0230	*
Pembroke (St. Ann's H.)	o8o	oqpr	coq	bcqb	50	45	•	2	0.5	<0800	<2100	0.0
Ross-on-Wye	cbcc	cbcpo	irr	ocbc	65	45	34	1	3	1530	<2100	4.5
Benson	c	bco	oro	ocp	66	48	45	–	4	–	<2100	•
Andover	c	copr	opro	oprob	66	43	34	3	8	1630	<2100	6.2
S. Farnborough ...	coy	coy	orr	orrcb	69	46	43	–	1	–	<2100	8.8
London (Kew Obsy.) ...	czbcoy	cybq	orro	oco	68	51	48	–	3	–	2200	6.6
Croydon	cbcmz	oyq	cyoro	oco	66	49	46	–	2	–	2200	9.4
Clacton-on-Sea ...		bcm	cm	comp	55	44	43	–	1	–	05.30	9.6
Sheeburyness	bwbc	bc c	c	cofR	65	49	46	–	1	–	0530	9.2
Grain	bmcy	cyc	coo	oopro	64	49	46	–	0.4	–	01.30	9.8
Lympne	bwbc	bcc	cor	omfr	65	44	45	–	1	–	2400	10.8
Scilly (St. Mary's) ...	omirq	omr	bcqk	bcqp	53	46	•	1	1	<0800	2200	0.5
Falmouth (Pendennis)	copr	op	ocbcb	bcopr	51	46	•	3	1	<0800	0230	0.0
Plymouth (Cattewater)	or	orm	orro	orpc	55	46	41	1	2	1100	<2100	0.6
Portland Bill	c	c	or	orb	50	45	•	–	4	–	<2100	•
Southampton (Calshot)	c	oprorr	rd	orcbc	56	44	45	0.6	3	1730	<2100	5.1
Dungeness	bbc	borbc	rd	pro	54	48	•	–	2	–	2200	•
Jersey	bcbco	obco	orr	orrb	60	46	•	–	3	–	<2100	5.8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	24th 1010	HIBERNIA	SSE	6	c	50	48	4
1	• 1300	REINDEER	SE'E	4	c01	56	50	4
3	28th 0800	BRIGHTON	WSW	5	co/r	44	49	8

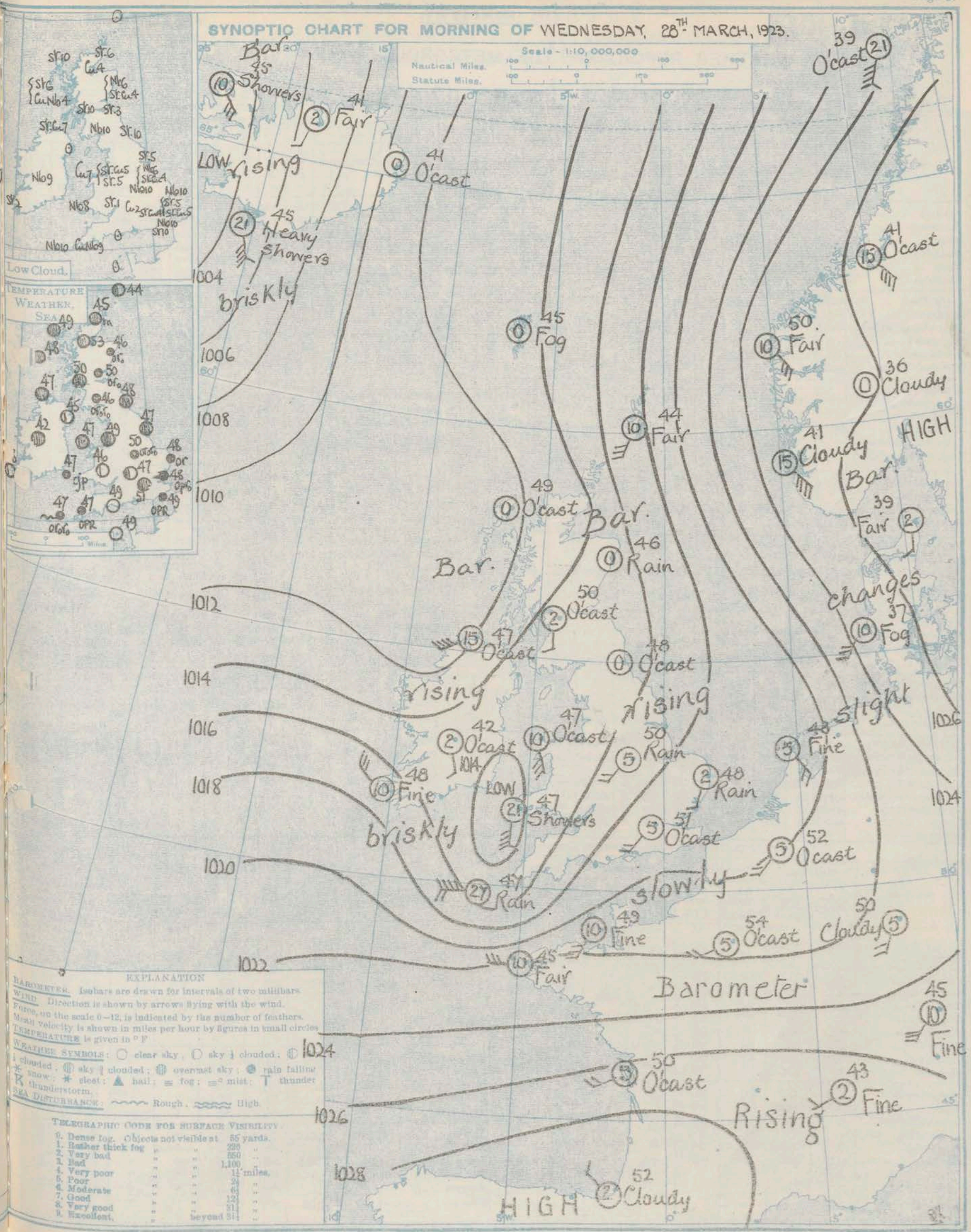
GENERAL INFERENCE.

The secondary depression off the Welsh Coast will fill up before long and winds will be light or moderate from S.W. over England at first then light and indefinite generally. Showers are probable, with bright periods especially in the South. The day temperature over England will be lower than on Tuesday.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday 28th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light to moderate S.W. wind; some showers, bright intervals; visibility moderate to good during the day, mist at night; moderate temperature.	None issued.
4. W. Midlands 5. S.W. England 6. South Wales	Light to moderate S.W. to W. winds; some showers, bright intervals; visibility moderate to good during the day, mist locally at night; moderate temperature.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 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 winds, mainly from S.W.; some showers, bright intervals; visibility moderate to good during the day, mist locally at night; moderate temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M.S.O. Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Wednesday, 28th March, 1923. No. 87.

Observations at 0100 G.M.T. 28th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1017.6	+1	SSW	3	c-	45	92	6	-	-	0	A St	8	*
Stornoway	1008.5	0	S	2	r	*	*	5	*	*	*	*	*	*
Wick	1013.1	0	SE	3	mo-	44	94	5	800	St	6	Ci St	9	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1007.4	+2	S	2	c-	50	92	8	5000	St Cu	6	A Cu	8	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1012.2	+1	SSE	3	or r	53	85	4	*	Nb	10	-	10	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1014.4	0	W	1	0	48	92	6	4000	St Cu	10	-	10	*
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1012.1	+4	S	4	0	49	94	8	800	St	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1015.9	-1	SE	3	bc	45	92	6	-	-	0	Ci St	6	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1016.3	0	SSW	2	o/r	49	92	6	2500	St Cu	10	-	10	*
Gorleston	1019.0	-1	SW	3	b	46	92	6	-	-	0	-	0	*
Valencia (Cahirciveen)	1010.2	+4	NW	4	o/r	49	94	4	-	-	0	Ci St	9	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1012.4	+2	S	5	0	49	92	8	1500	St Cu	9	-	9	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	53	*	*	*	*	*	*	*	*
Croydon	1014.6	+1	SW'S	3	o/r	51	92	8	2500	St Cu	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1018.1	+1	SW'W	2	or	51	92	4	2500	St Cu	10	-	10	*
Scilly (St. Mary's) ...	1013.5	+1	SW'W	5	bc	48	85	8	4000	St Cu	5	-	5	*
Falmouth (Pendennis)	1015.0	+1	SW	4	bc-	48	92	8	4000	Cu	4	-	4	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1016.1	+3	SW	4	or r	48	92	6	450	St	10	-	10	*
Southampton (Calshot)	1014.3	+1	SW'W	3	o/r	50	92	8	2500	St	10	-	10	*
Dungeness	1014.4	-1	NNW	3	or r	50	94	8	2500	Nb	10	-	10	*
Jersey 7h }	1019.0	+2	SW	4	bc/r	44	85	8	5000	St Cu	2	Ci St	4	*
Guernsey 1h }														

Observations at 0700 G.M.T. 28th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1018.0	0	SSW	3	bc	44	92	6	-	-	0	A St	6	2
Stornoway	1011.4	+4	-	0	0	49	94	6	800	St	10	-	10	0
Wick	1013.4	+2	SSW	2	mmo	45	94	5	800	St	6	Ci St	10	0
Castlebay	1011.4	+4	W	2	o/r	48	94	8	2500	St	10	-	10	1
Nairn	1012.5	0	SE	1	c+	53	95	8	4000	Cu	4	A Cu	4	*
Aberdeen	1015.6	+2	-	0	or	46	92	6	1500	Nb	10	-	10	0
Malin Head	1012.0	+6	WSW	4	0	44	94	8	5000	St Cu	4	A Cu	9	3
Renfrew	1014.5	+5	S	1	o/r	50	85	6	1500	St	10	-	10	*
Edinburgh (Inchkeith)	1014.3	+3	NW	1	or	50	85	4	-	-	0	Ci St	10	1
Leuchars	1014.0	+2	NNW	1	o/r	45	94	6	2500	St	3	A St	10	*
Eskdalemuir	1015.5	+3	S	2	or r	46	94	4	800	Nb	10	-	10	*
Tynemouth	1014.9	+2	-	0	o/r	48	94	5	4000	St	10	-	10	0
Blacksod Point ...	1014.6	+4	SSW	1	b	43	94	3	-	-	0	Ci Cu	3	1
Donaghadee	1014.8	*	SSE	1	o+	42	94	4	2500	Nb	9	-	9	*
Birr Castle	1014.9	+4	SE	3	0-	44	92	8	2500	Cu	4	Ci St	9	3
Holyhead	1015.3	+3	SE/S	1	o/r	49	92	4	1500	St Cu	10	-	10	2
Liverpool (Bidston) ...	1015.4	+3	S	2	o/fr	48	85	6	4000	St Cu	9	-	9	*
Chester (Shotwick) ...														
Spurn Head	1014.0	+2	SSE	2	0	44	94	5	2500	Nb	6	A Cu	10	1
Nottingham	1016.3	+2	SW	2	or r	50	94	5	2500	Nb	10	-	10	*
Cranwell	1014.4	+2	SW	2	or r	49	94	6	1500	St	10	-	10	*
Gorleston	1019.1	0	SW'S	1	or	48	92	5	4000	Nb	10	-	10	0
Valencia (Cahirciveen)	1014.6	+4	NW	3	b	48	95	4	1500	St	2	A St	3	4
Roches Point	1015.7	+6	WSW	4	or o	47	92	7	1500	Nb	10	-	10	1
Pembroke (St. Ann's H.)	1013.0	+1	S	5	c/fr	44	92	8	1500	Nb	8	-	8	4
Ross-on-Wye	1016.4	+3	S	1	b	46	85	8	2500	St	1	Ci	2	*
Benson	1018.2	+2	SW	3	bc	44	85	4	1500	Cu	2	A Cu	6	*
Andover	1018.4	+4	S'W	3	b/r	45	94	4	1500	St Cu	1	-	1	*
S. Farnborough ...	1019.0	+3	SW	2	b-	44	92	4	-	-	0	A Cu	3	*
London (Kew Obsy.) ...	1019.2	+3	SW	2	0	51	85	4	4000	St Cu	4	A Cu	9	*
Croydon	1019.0	+2	SSW	2	0	49	92	4	1500	St	3	A Cu	9	*
Clacton-on-Sea ...	1018.9	+2	S	3	o/r	48	92	6	4000	St	5	A St	10	0
Shoeburyness	1019.0	+2	SSW	3	o/fr	50	92	4	4000	St Cu	5	A St	10	*
Grain	1019.6	+2	SW	2	o-	50	92	8	2500	St Cu	4	A St	10	0
Lympne	1019.9	+2	SW'S	3	o/r	~~45~~ 50	94	2	2150	Nb	10	-	10	*
Scilly (St. Mary's) ...	1010.5	+3	W	6	or r	44	83	4	4000	Nb	10	-	10	6
Falmouth (Pendennis)	1015.6	+3	W	6	o/fr	44	83	8	4000	Cu Nb	9	-	9	2
Plymouth (Cattewater)	1016.6	+1	SSW	6	b	44	94	8	2500	St	9	-	9	3
Portland Bill	1014.4	+2	WSW	3	b-	49	92	4	-	-	0	-	0	3
Southampton (Calshot)	1019.2	+3	SW	3	b-	44	92	4	4000	Cu	2	-	2	0
Dungeness	1019.3	+1	SW	4	o/fr	49	94	8	2500	St	10	-	10	4
Jersey 7h }	1021.3	+2	SSW	3	b/r	49	85	4	-	-	0	-	0	0
Guernsey 1h }														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 26th-27th °F.	Temperature. Max. Day. 27th °F.	Rainfall.† Night 17h.-9h. 26th-27th mm.	Rainfall.† Day 9h.-17h. 27th mm.	Sunshine. Sunrise to 17h. 27th hr.	Sunshine. Sunrise to Sunset. 26th hr.
Montrose	*	*	42	50	0.3	1	0.6	9.2
Llandudno	c	c	52	63	t	-	0.0	4.0
Colwyn Bay ...	c	c	35 ?	64	-	-	0.5	8.9
Rhyl	c	bcc	50	65	-	-	0.5	6.7
Southport	c	co	50	65	0.1	-	1.6	5.5
Blackpool	co	c	51	63	0.2	-	0.9	6.1
Ilkley	ofc	bc	46	65	-	-	1.2	6.1
Harrogate	fbcb	bbc	45	63	-	-	3.5	8.7
Skegness	b	bbc	43	55	1	-	8.2	1.7
Aberystwyth ...	roo	o	53	62	0.3	-	0.0	4.0
Bath	bcb	bccou	47	64	-	-	4.0	3.0
Leamington Spa ...	c	c	42	66	-	-	4.2	0.7
Lowestoft	b	b	44	57	-	-	10.0	4.7
Felixstowe	b	bcm	45	54	-	-	9.6	6.7
Southend	bcb	bbc	49	68	-	-	9.4	8.2
Ilfracombe	op	or	51	60	1	0.4	0.0	5.1
Bude	ocro	irorr	50	58	-	1	0.1	3.7
Penzance	ord	oro	49	52	1	1	0.0	0.0
Paignton	oc	bcor	48	58	-	-	1.9	0.0
Torquay	bcco	r	48	56	-	2	1.7	0.0
Weymouth	cb	po	46	57	-	0.3	2.2	0.2
Bournemouth ...	bc	bco	46	57	-	-	3.5	1.9
Portsmouth (S'thsea)	b	c	47	59	-	-	5.4	7.6
Worthing	bc	bc	48	59	-	-	8.9	6.0
Brighton	bcbbc	cpbbc	49	62	1	-	9.3	8.4
Eastbourne	bc	bc	46	58	1	-	10.3	9.9
Hastings	bbc	bcbbc	50	61	-	-	10.2	9.8
Folkestone	b	b	49	65	-	-	10.4	7.5
Tunbridge Wells ...	bbc	bbcb	48	67	-	-	9.4	7.6
Ramsgate	b	bbc	47	62	-	-	9.9	6.8
Margate	b	b	48	66	-	-	10.3	6.8
Deal	bb	bbc	44	63	-	-	9.7	6.9

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22,404 THURSDAY, 29th MARCH 1923.

Observations at 1300 G.M.T. 28th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1019·7	+3	S	3	bc+	46	85	5	–	–	0	ASt	6	*
Stornoway	1018·5	+4	SSW	3	o	52	92	6	800	St	10	–	10	*
Wick	1016·6	+2	SSW	2	cm-	47	97	5	–	–	0	CiCu	8	*
Castlebay	1016·5	+2	WNW	2	mmo	49	97	6	1500	St	10	–	10	*
Nairn	*	*	*	*	*	*	*	*						*
Aberdeen	1017·5	+2	ESE	3	b	52	85	5	–	–	0	ACu	1	
Malin Head	1017·5	+3	WNW	3	o	51	97	7	5700	StCu	9	–	9	*
Renfrew	1017·6	+3	SW	2	o/r	51	85	6	1500	StCu	10	–	10	
Edinburgh (Inchkeith)	1017·7	+2	W	1	or6	49	97	6	–	Nb	10	–	10	*
Leuchars	1016·8	+2	–	0	mmo	50	97	4	600	St	10	–	10	1
Eskdalemuir	1017·8	+2	SW	2	o	51	75	7	1500	StCu	10	–	10	1
Tynemouth	1017·6	+2	–	0	or6	52	85	6	4000	Nb	10	–	10	*
Blacksod Point														*
Donaghadee	1017·7	+2	SSE	1	bc	51	85	8	1500	St	2	ACu	6	*
Birr Castle	1018·7	*	NW	1	cPH	48	92	7	2500	Nb	8	–	8	*
Holyhead	1017·6	+2	–	0	c–	53	85	8	4000	StCu	7	–	7	0
Liverpool (Bidston)	1017·8	–1	SSE	1	c–	54	65	6	1500	StCu	6	CiCu	8	*
Chester (Sbotwick)	1017·7	+1	E	2	o	56	55	8	4000	StCu	9	–	9	1
Spurn Head	1019·8	+2	SW'W	2	o	51	85	6	4000	StCu	10	–	10	*
Nottingham	1018·5	+1	SW	3	bc–	56	65	8	4000	Cu	5	–	5	*
Cranwell	1018·9	+1	SW'S	3	bc	59	55	8	2500	Cu	4	–	4	1
Gorleston	1020·5	+1	WSW	2	c–	56	65	6	2500	Cu	8	–	8	*
Valencia (Cahirciveen)	1022·7	+4	W	3	b+	52	75	8	2500	StCu	3	–	3	1
Roches Point	1020·3	+3	WNW	4	c	53	75	9	4000	CuNb	4	–	4	*
Pembroke (St. Ann's H.)	1016·8	+4	S	4	bc	48	92	8	2500	Cu	6	–	6	*
Ross-on-Wye	1017·2	0	S	2	o/r	51	75	8	4000	CuNb	9	–	9	1
Benson	1019·3	0	SSW	4	c+	53	75	8	–	Cu	8	–	8	1
Andover	1019·5	+1	S'E	5	o/r	51	75	8	2500	StCu	10	–	10	1
S. Farnborough	1021·2	+0	SSW	4	c	55	85	7	2500	Cu	8	–	8	0
London (Kew Obsy.)	1020·2	0	SW	4	c+	57	65	8	2500	Cu	7	–	7	1
Croydon	1020·3	0	SW	4	c/r	54	65	8	4000	Cu	7	–	7	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1021·3	+2	SW'S	4	b–	58	65	7	5700	Cu	2	Ci	3	*
Grain	1021·4	+2	SSW	4	bc–	57	55	8	4000	Cu	5	Ci	6	1
Lympne	1021·9	+1	SW'S	5	bc–	53	85	8	1500	StCu	4	CiSt	5	1
Scilly (St. Mary's)	1021·6	+3	SW'W	5	b	52	85	7	4000	Cu	3	–	3	*
Falmouth (Pendennis)	1019·5	+6	WNW	7	cP	75	9	8	4000	CuNb	8	–	8	*
Plymouth (Cattewater)	1019·4	+4	W'S	5	cpr6	50	85	7	1500	CuNb	7	ACu	8	1
Portland Bill	1018·9	+2	WSW	5	bc+	49	92	7	–	–	0	ACu	6	*
Southampton (Calshot)	1020·8	0	SW'S	6	c–	52	75	8	2500	Cu	8	–	8	0
Dungeness	1022·4	+3	SW	4	bc–	53	75	8	4000	Cu	2	Ci	4	*
Jersey	1023·8	+1	SW	4	b/r	53	75	7	4000	StCu	1	–	1	*

Observations at 1800 G.M.T. 28th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1020·7	+1	SSW	3	fo	43	97	3	2500	St	10	–	10	2
Stornoway	1018·2	+3	WSW	2	o	51	92	6	800	St	10	–	10	1
Wick	1018·7	+3	E	1	mc+	45	97	5	225	St	5	Ci	7	0
Castlebay	1019·3	+3	NW	3	mmb	49	92	7	2500	St	9	–	9	3
Nairn	1017·7	*	–	0	c	49	85	7	4000	StCu	8	–	8	*
Aberdeen	1018·8	+2	E	2	b	45	92	4	800	St	1	–	1	0
Malin Head	1019·7	+3	W	2	c	49	92	8	4000	Cu	2	ACu	7	2
Renfrew	1018·7	+1	–	0	o–	53	85	7	4000	StCu	9	–	9	*
Edinburgh (Inchkeith)	1018·2	+3	WSW	2	mdt	50	92	5	–	Nb	7	ACu	10	1
Leuchars	1017·8	+1	–	0	o	50	97	6	1500	St	9	ASt	10	*
Eskdalemuir	1019·6	+2	SSW	1	opr6	48	85	7	2500	Nb	5	StCu	10	*
Tynemouth	1019·6	+2	–	0	o/p	49	92	5	4000	Nb	10	–	10	0
Blacksod Point														*
Donaghadee	1019·8	+2	SSE	1	bc–	49	92	8	4000	StCu	6	–	6	1
Birr Castle	1021·4	*	W	1	bc–	49	85	8	1500	CuNb	6	–	6	*
Holyhead	1019·8	+3	N	3	bc	48	92	8	4000	Cu	3	ACu	6	2
Liverpool (Bidston)	1018·9	+2	N	2	o/r	50	85	6	1500	CuNb	9	–	9	3
Chester (Sbotwick)	1018·6	+2	SW	2	c	52	75	6	4000	StCu	8	–	8	*
Spurn Head	1020·7	+1	SE	2	bc–	48	85	6	4000	CuNb	1	Ci	4	1
Nottingham	1019·3	+2	S	1	bc	52	75	7	2500	StCu	4	ACu	5	5
Cranwell	1020·1	+1	SW'S	2	bcip	52	65	8	2500	Cu	4	–	4	*
Gorleston	1021·1	+1	SSW	3	bc–	51	75	6	5700	Cu	2	CiCu	5	0
Valencia (Cahirciveen)	1023·3	+1	WSW	2	b	52	75	8	2500	StCu	2	ACu	3	5
Roches Point	1022·6	+3	NW	3	b	53	75	8	–	–	0	Ci	2	1
Pembroke (St. Ann's H.)	1020·4	+5	NW'W	4	cp	46	92	8	1500	Nb	3	CiSt	7	5
Ross-on-Wye	1018·4	+1	SE	1	o	48	85	8	2500	Nb	9	–	9	*
Benson	1019·8	0	S	4	c–	49	85	7	–	Cu	8	–	8	*
Andover	1020·1	+2	SW	3	o/r	47	92	8	2500	StCu	9	–	9	*
S. Farnborough	1020·7	0	SSW	3	b–	49	85	6	4000	Cu	2	–	2	*
London (Kew Obsy.)	1020·9	+1	S	3	odo	50	85	8	1500	StCu	10	–	10	*
Croydon	1021·6	+2	SSW	3	or6o	47	92	6	800	Nb	10	–	10	*
Clacton-on-Sea	1022·1	+2	SSW	3	bc	51	85	7	1500	Cu	3	Ci	5	0
Shoeburyness	1022·2	+1	SW	4	o+	50	75	8	4000	StCu	9	–	9	*
Grain	1022·6	+2	SSW	4	o+	50	75	8	2500	StCu	9	–	9	0
Lympne	1023·2	+2	SSW	5	o	48	85	8	1500	St	8	ACu	9	*
Scilly (St. Mary's)	1023·7	+2	W'N	4	b	50	85	7	–	–	0	Ci	2	6
Falmouth (Pendennis)	1023·1	+4	WNW	5	bc	51	75	8	4000	CuNb	4	Ci	6	4
Plymouth (Cattewater)	1021·8	+3	W	5	opr6	50	85	7	2500	StCu	9	–	9	1
Portland Bill	1020·3	+2	WSW	5	or6	47	92	6	450	St	10	–	10	4
Southampton (Calshot)	1020·8	+1	SW	3	b–	48	85	8	2500	Cu	2	–	2	3
Dungeness	1023·1	+2	SW	4	c/p	49	85	8	2500	Nb	7	–	7	4
Jersey	1024·1	0	SW	4	b	51	85	7	–	–	0	ACu	2	3

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 29th								YESTERDAY.	TO-DAY.	
Kew } 24 hours ended 0700	obcc	cbcco	od,opo	*	*	44	–	04	7.0	*	*
Croydon } 24 hours ended 0700	obccp	cobr	ocmco	*	*	43	02	–	6.0	*	*
Greenwich (Royal Obsy.)	cbc	bo	bcwo	60	44	38	–	–	6.2	62	82
City (Bunhill Row)	*	*	*	*	*	*	*	*	5.2	*	*
Westminster (St. James' Pk.)	*	*	*	60	47	44	–	–	6.4	63	80
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	3.9	*	*
Camden Square	bc	c	*	60	46	43	–	05	*	*	84
Kensington Palace	bc	co	*	58	44	41	–	04	*	82 (18h)	84
Hampstead Observatory	*	*	*	47	44	39	–	trc	5.8	*	87

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 28th

South Kensington

Max.	Time.	Min.	Time.
0.6	27th 19-20h	<0.3	28th 1-4h
0.6	28th 8h		

Kew Observatory

Max.	Time.	Min.	Time.
<0.3	27th 16h – 28th 16h	<0.3	27th 16h – 28th 16h

POLE STAR RECORD at Greenwich Obsy.

Exposure from 28th 19 h. 15 m. to 29th 4 h. 45 m.

Stars.	Exposure.	Record.	
	h. m.	h. m.	°/₀
Polaris	9 30	4.18	45
δ Ursæ Minoris	9 30	4.0	42

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ¼ sec.	Siren.	Direc.
13h.	c	5	–	160
15h.	c	4	–	170
01h.	c	5	–	160
07h.	c	4	–	120

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

29th & 30th MARCH, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·39 / 5·34	11·58 / 11·58	6·14 / 6·19
Greenwich	5·44 / 5·45	12·5 / 12·5	6·23 / 6·25
Wick	5·53 / 5·52	12·14 / 12·14	6·46 / 6·42
Valencia	6·28 / 6·26	12·46 / 12·46	5.4 / 5.6

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
u unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
ro6o = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

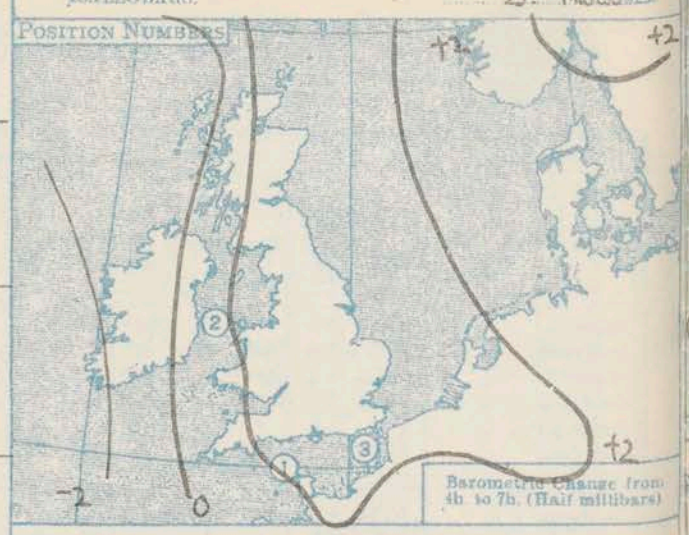
0=no swell } Calm or slight sea.
1=mod. swell } Calm or slight sea.
2=heavy swell } Calm or slight sea.
3=no swell } Moderate sea.
4=mod. swell } Moderate sea.
5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 28th	13h.-18h. 28th	18h. 28th to 1h. 29th	1h.-7h. 29th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 28th Hours.
Lerwick	bc	0m	F	F	47	40	•	-	0·2	-	<2100	6.9
Stornoway	00	00	00	00	54	46	•	-	-	-	-	0.5
Wick	omm	cmm	fefe	ffe	49	43	•	0·5	0·1	<0800	-	•
Castlebay	off	ofom	om	om	51	47	•	-	-	-	-	1·2
Nairn		cmq	cf	cf	59	42	•	-	0·2	-	-	0.8
Aberdeen	rroob	bobm	com	omffo	52	42	36	1	-	<0800	-	3·6
Malin Head	comm	o	bcmw	bcx	51	36	•	-	-	-	-	2.2
Renfrew	rodoo	omco	oom	omffw	54	39	29	Trace	-	-	-	0·1
Edinburgh (Inchkeith)	mrorr	mrorr	oo	bcm	51	44	40	4	trace	0900	-	0.0
Leuchars	orom	omom	om	obff	52	39	28	0·3	-	<0800	-	0.0
Eskdalemuir	oirmo	orop	oirro	offe	51	34	[illegible]	1	1	<0800	<2100	0.0
Tynemouth	oirom	oirm	off	ifbcm	52	39	31	4	-	<0800	-	•
Blacksod Point ...							•					•
Donaghadee	c	c	c	c	54	44	•	-	-	-	-	•
Birr Castle	co	cPHR			56			9		<0800		
Holyhead	ococ	cobc	bcbw	bbcw	54	39	33	Trace	trace	1330	-	3.5
Liverpool (Bidston) ...	c	bc	orlt		55	44	36	Trace	2	-	<2100	3·0
Chester (Shotwick) ...	ozo	coc3	czom	om	58	44	40	-	-	-	-	2.9
Spurn Head	oo	p	bccob	c	55	40	•	1	-	1100	-	2.5
Nottingham	cro	p	bm	om	59	38	33	0·3	-	<0800	-	5·1
Cranwell	oldc	bc.b	bm	mf	59	38	30	0·6	-	<0800	-	5.7
Gorleston	orcz	cbc	bcbw	bbcbw	58	40	31	2	-	<0800	-	2.5
Valencia (Cahirciveen)	b	b	bbef	c	53	45	40		-	-	-	9.4
Roches Point	TTfbc	bcb	bw	bo	55	39	*	1	0·1	<0800	-	*
Pembroke (St. Ann's H.)	p	cq	c	bbc	50	44	•	Trace	-	1100	-	5.2
Ross-on-Wye	mbcocp	Pocbc	com	orop	53	45	41	5	1	1330	0230	3.0
Benson...	co	bcbc	oc	oop	57	45	42	0·2	0·4	-	0630	•
Andover	bopro	obcoPR	orr	oPRO	55	44	42	1	4	1100	<2100	4.5
S. Farnborough ...	c	coprp	bcopr	or	56	44	42	0·4	0.3	1100	<2100	6.0
London (Kew Obsy.) ...	obcc	cbcco	odoo	oopo	58	47	44	-	0·4	-	0430	7.0
Croydon	obccp	copr	ormc	co	57	45	43	0·2	-	1100	-	6.0
Clacton-on-Sea ...	omcbc	bc	bc	bc	56	46	42	-	-	-	-	6.9
Shoeburyness	oPRcbcb	bbcco	oc	bcw	60	42	36	0·1	trace	<0800	-	7.4
Grain	ocbc	bcyco	ocbbc	bcwc	58	45	36	-	-	-	-	6.3
Lympne	ofm	bcco	orod	crom	54	44	41	-	0.3	-	2200	7.6
Scilly (St. Mary's) ...	bcq	bc.b	b	bcw	53	46	•	3	0·2	<0800	-	7.3
Falmouth (Pendennis)	opqcq	cpq bc	bcb	bbcc	53	44	•	3	-	<0800	-	3.7
Plymouth (Cattewater)	copc	cop	obc	bco	51	44	35	3	-	1100	-	1.2
Portland Bill	bcc	cor	cpc	cpo	51	46	•	1	3	1430	<2100	•
Southampton (Calshot)	c	rord	bcpro	pirce	53	45	44	Trace	2	1430	<2100	8.5
Dungeness	c	pr	c	p	53	47	•	Trace	0·2	1730	0430	•
Jersey	bopob	b	bw	bwbc	55	45	•	0.1	-	1100	-	9.0

ISALLOBARS. 29th March 1923.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	
2	28th 10h	Ibernia	SE	-	cp	48	47	6
3	29th 4h	Dieppe	SW	4	PR	47	48	7

GENERAL INFERENCE.

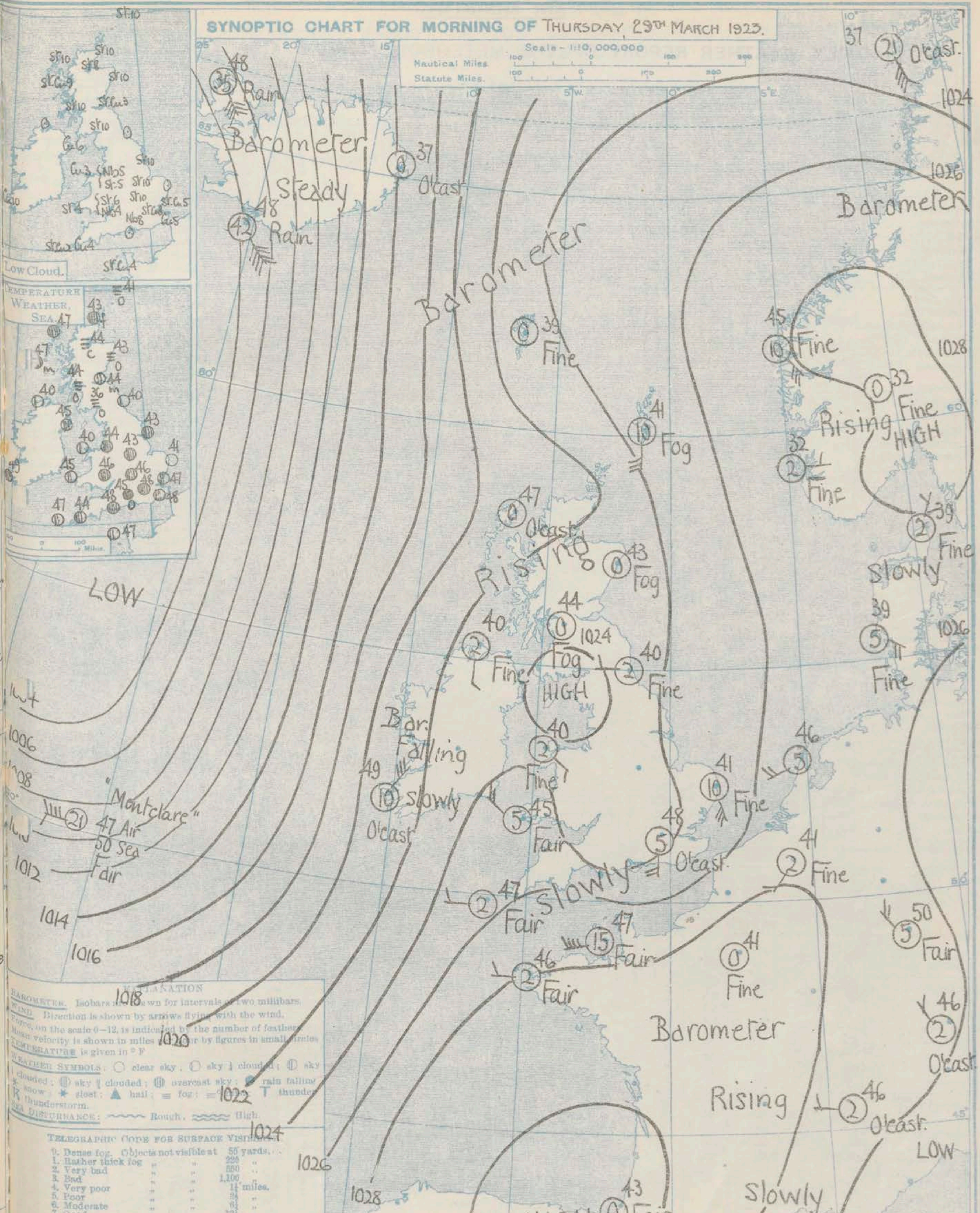
The shallow depression over England is filling up but there are indications of another disturbance out on the Atlantic. Light winds and mianly fair weather are probable for a day or two except possibly in the extreme western districts but the indications are at present against a spell of settled fine weather.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 29th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light SW. to S. winds; mainly fair but occasional showers not improbable; some mist at night; moderate temperature.	Fair weather predominating over the Eastern and Midland districts, but indications at present against settled fine weather; outlook uncertain for the West. ------
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	Wind light and indefinite, becoming Southerly; mainly fine and bright; mist or fog at night; moderate temperature.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate Southerly winds; mainly fair but local showers; visibility moderate; no important change of temperature.	

EYN

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0955 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



SYNOPTIC CHART FOR MORNING OF THURSDAY 29TH MARCH 1923.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Low Cloud.
Temperature Weather, Sea.
Barometer Steady
Rain
O'cast
Barometer Rising
Fine
Fog
Barometer
Rising
HIGH
Slowly
LOW
Bar. Falling slowly
"Montclare"
47 Air
50 Sea
Fair
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030
Barometer Rising Slowly
HIGH
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 ° F
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; thunder; thunderstorm.
SEA DISTURBANCE: Rough. High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles.
5. Poor " " 2½ "
6. Moderate " " 6¼ "
7. Good " " 12½ "
8. Very good " " 31¼ "
9. Excellent. beyond 31¼ "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION...THURSDAY....., 29th MARCH.....1923. No...88...

Observations at 0100 G.M.T.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1023.2	+1	SSW	3	Fo+	41	97	1	1500	St	10	-	10	.
Stornoway	1020.6	+2	-	0	0	.	.	5	.	.	.	.	.	.
Wick	1020.5	+1	ESE	2	Fo+	43	97	0	<150	St	10	-	10	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	1021.7	+1	S	1	b+	44	97	7	5700	StCu	2	ACu	3	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	1020.8	+3	WSW	2	of	46	97	7	.	StCu	10	-	10	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	1022.2	+2	W	1	fb+	43	97	2	-	-	0	-	0	.
Blacksod Point ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	1022.2	+2	E'S	1	b	43	97	7	4000	StCu	2	-	2	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	1022.5	+1	SSE	2	b	43	97	7	-	-	0	-	0	.
Nottingham	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	1022.5	+2	-	0	b+	38	97	5	-	-	0	ASt	3	.
Gorleston	1023.0	+1	S'W	2	b	42	92	7	-	-	0	-	0	.
Valencia (Cahirciveen)	1023.6	0	-	0	c+	49	97	7	-	CuNb	7	-	7	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	1022.9	+2	NW	3	bc	47	92	8	4000	StCu	4	-	4	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.) ...	.	.	.	.	.	49	.	.	.	.	.	.	.	.
Croydon	1022.7	+1	SW'S	3	c	46	92	8	2500	StCu	6	Cu	8	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	1024.0	+1	SSW	4	c/r	46	92	7	4000	StCu	7	-	7	.
Scilly (St. Mary's) ...	1025.0	0	W'N	2	b	47	92	8	4000	Cu	2	-	2	.
Falmouth (Pendennis)	1025.5	+4	W	3	b-	46	85	8	-	-	0	-	0	.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	1021.9	+2	W	5	bg/r	46	92	7	-	-	0	ACu	6	.
Southampton (Calshot)	1022.9	+1	SWW	3	o+	47	85	8	2500	StCu	7	ACu	10	.
Dungeness	1023.5	+1	SW	5	c	48	92	8	2500	Cu	7	-	7	.
Jersey 7h }	1027.1	+2	WSW	4	c	47	92	7	-	-	0	ACu	8	.
Guernsey 1h }														

Observations at 0700 G.M.T.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1024.5	+2	SSW	3	FFO	41	97	1	800	St	10	-	10	2
Stornoway	1021.2	0	-	0	0	47	97	6	800	St	10	-	10	0
Wick	1021.6	+2	SE	2	Fo+	43	97	0	<150	St	10	-	10	1
Castlebay	1021.5	0	WSW	1	mmo	47	92	6	2500	StCu	9	-	9	0
Nairn	1022.1	.	-	0	ffo	44	92	3	1500	St	8	-	8	.
Aberdeen	1023.6	+3	-	0	FFO	43	97	0	<150	St	10	-	10	0
Malin Head	1022.3	0	S	1	b-	40	97	8	-	-	0	ACu	1	2
Renfrew	1023.3	+2	-	0	ffo	44	97	3	4000	St	10	-	10	.
Edinburgh (Inchkeith)	1023.1	+3	WSW	2	mbg	44	97	6	x	StCu	3	ACu	6	1
Leuchars	1023.0	+3	-	0	ffb	41	97	1	-	-	0	-	0	.
Eskdalemuir	1024.4	+2	-	0	FFO	36	97	1	<150	St	10	-	10	.
Tynemouth	1023.7	+2	W	1	b/f	40	92	5	-	-	0	ACu	3	.
Blacksod Point ...	1023.2	+1	SSW	1	bc	45	92	8	2500	Cu	6	-	6	1
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	1023.9	+2	SE'E	1	b	40	97	8	4000	Cu	3	-	3	0
Holyhead	1023.2	+2	NW'W	1	o/r	44	92	5	1500	Nb	10	-	10	2
Liverpool (Bidston) ...	1023.2	+3	WSW	2	o	45	92	5	2500	StCu	10	-	10	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	1024.2	+2	SE	2	o	43	92	6	1500	St	10	-	10	2
Nottingham	1023.5	+2	ENE	1	o	43	97	4	1500	St	10	-	10	.
Cranwell	1023.5	+2	E'S	1	Fo-	41	97	1	450	St	10	-	10	.
Gorleston	1024.4	+1	SE'S	2	b	41	97	6	-	-	0	-	0	1
Valencia (Cahirciveen)	1020.7	-3	SSE	3	o	49	85	7	800	Cu	10	-	10	1
Roches Point	1023.4	0	SE	3	o	45	97	7	2500	St	10	-	10	3
Pembroke (St. Ann's H.)	1024.1	+1	NW	2	bc	45	92	8	2500	St	4	-	4	4
Ross-on-Wye	1023.2	+2	W	1	o/r	46	85	8	2500	St	10	-	10	.
Benson...	1023.4	+2	S	1	o	46	97	6	2500	St	10	-	10	.
Andover	1023.9	+3	WSW	3	o/r	45	92	7	1500	Nb	10	-	10	.
S. Farnborough ...	1024.1	+3	SW	2	o/r	45	92	7	2500	Nb	8	ACu	10	.
London (Kew Obsy.) ...	1024.0	+2	SSW	2	o	48	85	8	2500	StCu	8	ACu	9	.
Croydon	1023.9	+2	SSW	3	o	46	92	7	1500	StCu	10	-	10	.
Clacton-on-Sea ...	1024.1	+2	SSW	3	bc	47	92	7	5700	StCu	5	-	5	1
Shoeburyness	1024.3	+1	SSW	2	bc	48	85	7	5700	StCu	4	ACu	5	.
Grain	1024.4	+2	SSW	4	c	48	85	7	2500	StCu	7	-	7	0
Lympne	1025.1	+2	SSW	4	o/r	45	97	6	800	St	8	ACu	9	.
Scilly (St. Mary's) ...	1025.0	0	W	1	bc	47	92	7	4000	StCu	2	Ci	5	4
Falmouth (Pendennis)	1026.3	+1	W	2	c+	44	97	7	4000	Cu	4	ACu	8	0
Plymouth (Cattewater)	1025.8	+2	E	1	o-	50	97	7	800	St	1	ASt	9	0
Portland Bill	1024.9	+3	WNW	4	o/r	48	92	7	1500	St	10	-	10	5
Southampton (Calshot)	1024.7	+3	WSW	3	c+	46	92	8	4000	StCu	5	ACu	7	0
Dungeness	1024.5	+2	SW	4	c-	48	85	8	4000	Cu	5	Ci	7	4
Jersey 7h }	1027.4	-1	SW	4	bc	47	92	7	4000	StCu	4	Ci	6	?
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 28th MARCH

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 24h.-28h. °F.	Temperature. Max. Day. 28h. °F.	Rainfall.† Night 17h.-9h. 24h.-28h. mm.	Rainfall.† Day 9h.-17h. 28h. mm.	Sunshine. Sunrise to 17h. 28h. hr.	Sunshine. Sunrise to Sunset. 24h. hr.
Montrose	*	*	44	49	3	1	0.0	0.6
Llandudno	cbc	c	46	55	1	-	2.4	0.0
Colwyn Bay ...	c	bc	46	55	2	-	*	0.5
Rhyl...	c	co	47	?54	1	-	0.0	0.5
Southport	ocbc	bc	49	56	1	-	5.6	1.6
Blackpool	po	cbc	49	56	2	-	4.8	0.9
Ilkley	odom	pcbbc	47	58	5	1	3.2	1.2
Harrogate	or	obcc	46	54	2	1	2.9	3.5
Skegness	ob	b	47	56	1	-	4.5	8.2
Aberystwyth ...	occ	o	46	52	1	?4	0.5	0.0
Bath	cbbc	bccop	46	54	3	1	6.0	4.0
Leamington Spa ...	bc	cp	49	57	4	1	5.6	4.2
Lowestoft	ofo	ocbc	46	56	3	-	2.0	10.0
Felixstowe	omdbc	b	47	?58	1	-	5.9	9.6
Southend								
Ilfracombe	opco	o	47	51	5	1	1.7	0.0
Bude	ipcco	cipc	44	53	1	0.3	1.9	0.1
Penzance	cbc	bcb	46	55	4	-	7.0	0.0
Paignton	bccop	cogp	46	54	7	2	4.3	2.0
Torquay	p	p	46	54	10	1	4.2	1.7
Weymouth	cpc	cpc	47	54	3	0.2	8.4	2.2
Bournemouth ...	b	b	46	53	3	1	7.5	3.5
Portsmouth (S'thsea)	b	cp	47	54	1.5	0.3	6.6	5.4
Worthing	bbc	bc	47	56	4	-	8.5	8.9
Brighton	b	bcco	48	54	5	-	8.8	9.3
Eastbourne... ...	bcb	bc	48	55	3	-	8.8	10.6
Hastings	bcb	bbcc	48	54	2	-	7.7	10.4
Folkestone	m	bc	42	59	1	-	7.0	10.3
Tunbridge Wells ...	b	bbcco	49	57	2	-	3.9	9.8
Ramsgate	bcb	bm	46	58	0.3	-	6.2	9.9
Margate	cbcb	b	50	59	1	-	6.2	11.3
Deal	occbc	bbbc	49	58	0.3	-	6.9	9.7

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 2. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22408 FRIDAY, 30TH MARCH 1923. Page 1.

Observations at 1300 G.M.T. 29th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground
Lerwick	1025·2	+1	SSW	2	ffo	43	97	3	450	St	10	-	10	·
Stornoway	1021·7	+1	SW	2	o/f	50	92	6	800	St	10	-	10	·
Wick	1023·5	+2	S	2	FFo	43	97	1	<150	St	10	-	10	·
Castlebay	1022·3	0	SE	4	b	50	92	8	4000	Cu	1	-	1	·
Nairn	*	*	*	*	*	*	*							·
Aberdeen	1024·9	+2	SSE	3	b	52	85	6	-	-	0	-	0	0
Malin Head	1021·6	0	SE	4	bc	54	85	8	4000	Cu	5	-	5	·
Renfrew	1024·0	0	-	0	b-	56	65	7	4000	Cu	3	-	3	0
Edinburgh (Inchkeith)	1024·7	0	NE	2	mb+	49	85	6	-	Cu	1	-	1	·
Leuchars	1024·0	0	E	2	b-	50	85	6	4000	Cu	1	-	1	0
Eskdalemuir	1023·5	0	SSE	3	bc+	56	55	8	4000	Cu	5	-	5	0
Tynemouth	1024·6	+1	-	0	b	49	92	5	-	-	0	-	0	·
Blacksod Point														·
Donaghadee	1024·0	+1	SSE	2	mo-	44	97	5	-	-	0	ASt	10	·
Birr Castle	1022·1	x	S	2	c+	55	65	8	4000	StCu	7	-	7	·
Holyhead	1024·0	0	-	0	b	50	85	8	4000	Cu	3	-	3	0
Liverpool (Bidston)	1023·5	0	W	1	o	49	75	5	1500	Nb	10	-	10	·
Chester (Shotwick)	1023·6	-1	NW	2	c	53	75	6	4000	StCu	8	-	8	0
Spurn Head	1025·2	+1	ESE	3	b	48	85	7	4000	Cu	2	-	2	·
Nottingham	1023·7	0	ESE	1	o	52	75	7	1500	StCu	9	CiSt	10	·
Cranwell	1024·5	-0	SE	2	o	52	75	7	1500	StCu	10	-	10	0
Gorleston	1025·3	+1	SSE	5	b+	49	92	7	5700	Cu	2	Ci	3	·
Valencia (Cahirciveen)	1019·6	-1	SSE	5	o+	53	75	7	2500	StCu	7	ASt	10	1
Roches Point	1022·7	0	SE	3	o	50	97	6	2500	St	10	-	10	·
Pembroke (St. Ann's H.)	1024·6	+2	SSW	1	b	50	85	8	4000	Cu	1	Ci	3	·
Ross-on-Wye	1023·4	0	E	1	c-	52	75	8	4000	CuNb	7	-	7	1
Benson	1024·2	0	WNW	2	o	52	75	7	-	Cu	4	ASt	9	1
Andover	1024·4	+1	SW	3	c-	54	65	8	2600	CuNb	7	-	7	1
S. Farnborough	1024·6	+1	SW	3	o-	54	75	7	2500	Cu	9	-	9	1
London (Kew Obsy.)	1024·9	0	SW	2	c	53	75	6	4000	Cu	3	ACu	7	1
Croydon	1024·6	0	WSW	2	c/r	51	75	7	2500	StCu	8	-	8	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	·
Shoeburyness	1025·3	+1	SSW	1	bcpr	53	75	8	2500	CuNb	6	-	6	*
Grain	1025·3	0	SW	3	o/r	53	75	8	2500	CuNb	9	-	9	1
Lympne	1026·3	0	SSW	5	c	50	85	8	1500	St	6	CiSt	7	1
Scilly (St. Mary's)	1024·6	0	SE	2	o	52	85	8	4000	StCu	10	-	10	·
Falmouth (Pendennis)	1025·4	-2	SSW	4	c+	52	85	8	4000	Cu	8	-	8	·
Plymouth (Cattewater)	1025·7	0	SSW	3	o-	52	85	7	2600	StCu	4	CiSt	9	0
Portland Bill	1026·2	+1	WNW	4	b	49	92	7	-	-	0	CiCu	3	·
Southampton (Calshot)	1025·3	0	SW	5	o/r	52	75	8	2500	Cu	9	-	9	0
Dungeness	1025·9	+1	SW	4	bc	51	75	8	-	-	0	Ci	4	·
Jersey	1027·5	0	SW	3	o	54	75	7	4000	StCu	10	-	10	·

Observations at 1800 G.M.T. 29th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1025·4	0	SSW	2	fo+	43	97	1	800	St	10	-	10	1
Stornoway	1022·2	0	SW	1	b-	51	85	7	-	-	0	-	0	0
Wick	1023·4	0	-	0	mo-	43	97	6	<150	St	10	-	10	0
Castlebay	1021·9	0	ENE	4	b+	48	92	8	-	-	0	ASt	3	4
Nairn	1023·3	*	-	0	b-	48	85	7	-	-	0	-	0	·
Aberdeen	1025·5	+1	-	0	b	49	85	5	-	-	0	-	0	·
Malin Head	1020·5	0	SSE	3	bc+	54	75	8	4000	Cu	2	CiCu	6	2
Renfrew	1023·7	0	ENE	2	b-	53	75	5	-	-	0	-	0	·
Edinburgh (Inchkeith)	1024·1	+1	E	3	b/m	48	85	7	-	StCu	1	CiSt	2	2
Leuchars	1024·8	+1	ENE	1	b	46	92	6	-	-	0	-	0	·
Eskdalemuir	1024·2	0	ENE	2	b+	50	65	6	2500	StCu	3	-	3	·
Tynemouth	1024·7	0	SE	1	b	46	92	6	-	-	0	ASt	3	1
Blacksod Point														
Donaghadee	1022·9	-1	S	2	b-	48	85	8	-	-	0	CiCu	2	1
Birr Castle	1021·4	x	S	1	c+	50	75	6	4000	Nb	8	-	8	
Holyhead	1024·1	0	SSE	1	bc	48	85	8	4000	Cu	4	-	4	1
Liverpool (Bidston)	1024·0	+1	WNW	1	o+	46	92	6	2500	St	10	-	10	2
Chester (Shotwick)	1023·9	+1	WNW	3	o	49	75	6	5700	StCu	10	-	10	·
Spurn Head	1025·4	0	E	2	bc	45	92	6	4000	CuStCu	5	-	5	2
Nottingham	1024·5	+1	SW	1	b/r	49	85	5	2500	StCu	2	-	2	·
Cranwell	1025·0	+1	NEE	1	bc	47	85	6	2500	StCu	4	ASt	5	·
Gorleston	1025·6	0	SE	4	b-	45	97	7	-	-	0	CiCu	2	1
Valencia (Cahirciveen)	1018·3	-1	SSE	5	or₀+	50	85	6	1500	StCu	8	ASt	10	4
Roches Point	1021·1	-1	SE	3	o	49	92	6	4000	St	10	-	10	3
Pembroke (St. Ann's H.)	1024·1	-2	S	1	bc	48	92	8	2500	St	3	Ci	4	4
Ross-on-Wye	1024·6	+2	W	1	o	47	85	9	2500	Nb	8	ASt	10	·
Benson	1026·1	+2	SW	2	o	45	97	7	-	Nb	9	-	9	·
Andover	1026·0	+2	SSW	3	o/rr	47	85	8	2500	StCu	10	-	10	·
S. Farnborough	1026·2	+2	SW	3	c/b	49	85	7	2500	StCu	5	ACu	9	·
London (Kew Obsy.)	1026·5	+3	SW	1	c/p	49	85	4	1500	Nb	7	ACu	8	·
Croydon	1026·2	+2	SW	2	b/r	47	85	6	2500	StCu	8	ASt	9	·
Clacton-on-Sea	1026·2	+1	SW	3	bc	50	85	7	4000	StCu	6	-	6	0
Shoeburyness	1026·6	+1	SE	1	c	49	75	7	4000	StCu	8	-	8	·
Grain	1026·8	+2	SW	2	o	48	85	8	4000	StCu	8	ASt	9	0
Lympne	1027·4	+2	SSW	3	bc	47	92	8	1500	StCu	3	Ci	5	·
Scilly (St. Mary's)	1023·6	-1	SSE	2	o	50	85	7	4000	StCu	10	-	10	3
Falmouth (Pendennis)	1024·4	-1	SSW	3	c	50	85	8	4000	Cu	8	-	8	1
Plymouth (Cattewater)	1025·4	-1	S	2	o	49	92	8	2500	StCu	3	ACu	10	1
Portland Bill	1026·2	0	W'N	4	b	49	92	7	-	-	0	ACu	3	3
Southampton (Calshot)	1026·3	+1	SW	4	o	49	85	8	4000	StCu	9	ACu	10	0
Dungeness	1026·9	+1	SW	4	b	48	92	8	-	-	0	Ci	3	4
Jersey	1026·4	0	S	3	o	51	75	7	4000	StCu	10	-	10	3

LONDON OBSERVATIONS. (24 HOURS ENDED 0900 G.M.T. 30th)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew (24 hours ended 0700)	oop₀cz	czoₒtc	cmctm	*	*	35	3	0·5	2·1	*	*
Croydon (24 hours ended 0700)	o₁t₀pr	o₁t₀p₀	bcmom	*	*	31	1	-	0·6	*	*
Greenwich (Royal Obsy.)	or	obcor	obcwm	57	38	31	2	-	2·2	73	91
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*								
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*		*	*
Camden Square	o	phr	*	54	41	37	4	-	*	*	87
Kensington Palace	or	cor	*	53	39	34	1·5	2	*	86 (18h)	83
Hampstead Observatory	*	*	*							*	

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1600 G.M.T. 29th

South Kensington Max.	Time.	Min.	Time.
0·3	17h-20h 28th	<0·3	2h-5h 29th
0·3	7h-11h 29th		

Kew Observatory Max.	Time.	Min.	Time.
<0·3	-	<0·3	16h 28th – 16h 29th

POLE STAR RECORD at Greenwich Obsy.

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

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris			
δ Ursae Minoris			

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer.
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.				
18h.	C	5	-	130
01h.	C	6	-	160
07h.	C	5	-	150

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 30th & 31st MARCH, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·34 5·32	11.58 11.58	6·21 6·22
Greenwich	5·43 5·40	12.5 12.4	6·27 6·28
Wick	5·48 5·45	12.17 12.16	6.45 6.48
Valencia	6·24 6·21	12.46 12.45	7·8 7·9

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
u unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r₀r₀ = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

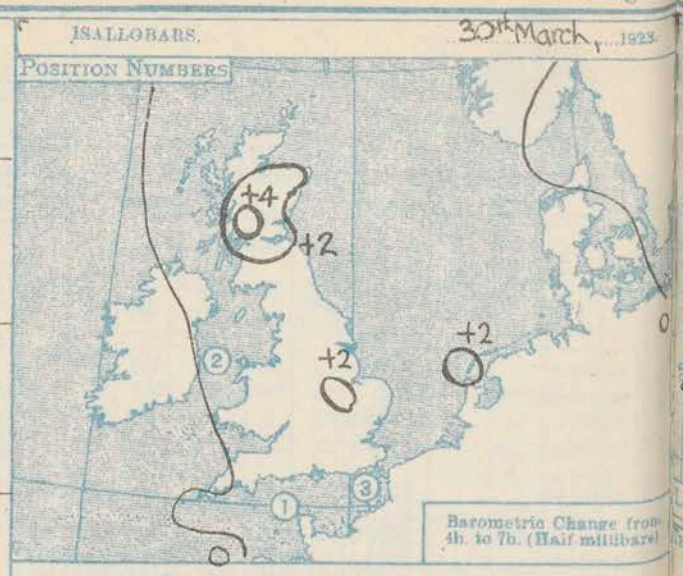
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 29°	WEATHER. 13h.-18h. 29°	WEATHER. 18h. 29° to 1h. 30°	WEATHER. 1h.-7h. 30°	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS	RAINFALL† Day. 7h.-18h. mm.	RAINFALL† Night. 18h.-7h. mm.	RAINFALL† Precipitation began.	RAINFALL† Precipitation began.	SUN. 29th Hours.
Lerwick	f	f	f	f	43	40	•	–	0·1	–	L2100	0·0
Stornoway	p	c	b-bc	c	54	34	•	1	–	–		4·3
Wick	oFF	oFF	bm	oFfe	45	40	•	–	0·2	–	0130	•
Castlebay	omb	bbc	bc	bc	50	44	•	–	–	–	–	8·4
Nairn	cbcw	bcmb	bxm	bm	56	32	•	–	–	–	–	7·7
Aberdeen	fFeb	bm	ffoiF	off	52	41	31	–	–	–	–	8·3
Malin Head	bcv	bcv	bcv	cw½	57	40	•	–	–	–	–	9·7
Renfrew	otmbc	bbc3	bbcm	off-W	53	34	27	–	Trace	–	–	3·5
Edinburgh (Inchkeith)	mm	mb	b	mm	54	39	31	–	–	–	–	9·7
Leuchars	bfobm	bbcmbm	bmofe	ofefe	52	39	30	–	Trace	–	L2100	7·5
Eskdalemuir	ombcy	cybc3	bbcmo	ocbcmx	57	32	28	–	–	–	–	6·9
Tynemouth	if bm	bbcm	cmffo	ofefe	50	40	38	–	0·1	–	–	•
Blacksod Point ...							•					•
Donaghadee	omf	bc	bcw	bcw	53	42	•	–	0·6	–	–	•
Birr Castle	co	co3	co	co½c	55	46	41	–	0·1	–	0630	7·7
Holyhead	bcbw	bbc	bcbw	bw	55	40	35	Trace	Trace	–	–	10·1
Liverpool (Bidston) ...	ocm	bc	b		50	40	37	–	–	–	–	2·5
Chester (Shotwick) ...	or½oc	cbco3	o½bcm	bffbcw	54	35	29	Trace	–	09.00	–	1·9
Spurn Head	b.bc	bbc	b-bc	boF	53	37	•	–	–	–	–	4·8
Nottingham	oo	½r	bf	Wm-f	52	31	30	1	–	13.30	–	0·2
Cranwell	ofmo	orinbc	bf	bcfm	53	33	28	4	–	15.30	–	1·6
Gorleston	bq	bo	bw	bwoffx	49	39	29	–	Trace	–	–	10·5
Valencia (Cahirciveen)	oczo	o3	o	or	53	47	46	0·1	25	17.30	L2100	0·2
Roches Point	oim	oim	oim	o½orcm	51	48	*	–	1	–	0330	*
Pembroke (St. Ann's H.)	b.bc	bbc	c	c	51	45	•	–	–	–	–	8·4
Ross-on-Wye	coc	bbcc½bc	cbwbcc	bmffe	55	34	28	0·1	Trace	15.30	–	1·0
Benson	mbco	t½br	oc	c	53	40	37	3	0·1	16.30	–	•
Andover	oor½c	cotLHRco	oro	om	56	39	38	7	0·1	11.00	–	2·5
S. Farnborough ...	opro	ophro		cbbc	57	40	31	2	–	L08.00	–	2·9
London (Kew Obsy.) ...	oop½cz	cgorr½oro	bcm	bmcmx	55	42	35	3	0·5	09.00	L2100	2·1
Croydon	or½pr	or½p	obcmo	ocm	52	38	31	1	–	09.00	–	0·6
Clacton-on-Sea ...	bc	bc	bc	bbcf	53	42	40	–	–	–	–	7·1
Shoeburyness	bcwbcp½	bcb½c	c	offx	56	38	30	Trace	Trace	12.30	–	4·5
Grain	cop½jp½	ocipo	ocbb	bbofe	53	37	31	0·5	0·1	11.00	–	2·4
Lympne	oc	cocbc	bcbw	bw	52	37	27	–	Trace	–	–	5·8
Scilly (St. Mary's) ...	bcco	o	oo	oo	53	48	•	–	–	–	–	1·9
Falmouth (Pendennis)	cbcc	c	c	co	52	48	•	–	–	–	–	5·4
Plymouth (Cattewater)	oco	oo	oo	oo	53	47	44	–	–	–	–	4·6
Portland Bill	obc	bc	bcco	oo	51	45	•	–	–	–	–	•
Southampton (Calshot)	cphlipc	ojbHo	c	c	53	42	39	Trace	–	11.00	–	4·7
Dungeness	b.bc	bbc	b-bc	fbc	52	36	•	Trace	–	K0800	–	
Jersey	bcco	oco	c	oco	56	47	•	–	–	–	–	1·8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	
2	29th 1000	Hibernia	•	0	b	49	48	6
1	29th 1300	Reindeer	W'S	4	pr½	53	50	4

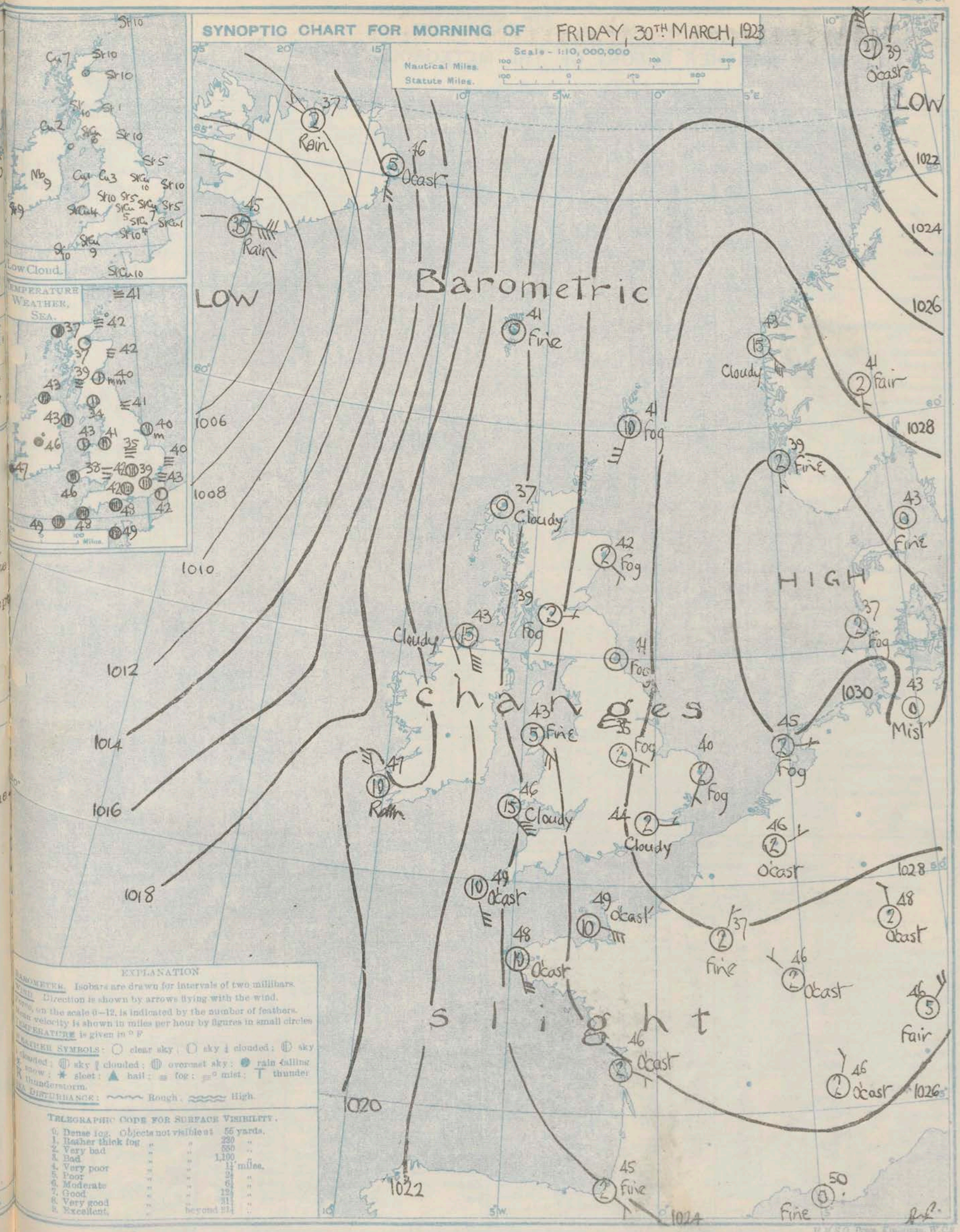
GENERAL INFERENCE.

An anticyclone over Denmark dominates the weather of Eastern England. The depression over the North Atlantic is far to the west of Ireland and is unlikely to have much influence on the weather of the British Isles at present except in the extreme West.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 30th March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light southeasterly or variable winds and fine weather. Rather warm in the day. Ground frost locally at night. Some risk of fog in early morning.	The same conditions are likely to continue.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light or moderate southerly or southeasterly winds. Cloudy with risk of slight rain but fair periods. Temperature moderate. Visibility good.	
9. N. Midlands	As 1 - 4.	
10. N.E. England 11. E. Scotland	Light variable winds and fine weather but much coastal fog. Warm in day, slight 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	As 5 - 8.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930 G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF FRIDAY, 30TH MARCH, 1923
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Low Cloud.
Temperature
Weather.
Sea.
Baromet ric
LOW
LOW
HIGH
ch an ges
sl ight
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030
Rain
Rain
Ocast
Fine
Cloudy
Fog
Cloudy
Fog
Fog
Fog
Fog
Fog
Cloudy
Cloudy
Ocast
Ocast
Ocast
Ocast
Ocast
Ocast
Fine
Fair
Fair
Fine
Fine
Fine
Fine
Mist
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 ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunderstorm.
SEA DISTURBANCE: Rough. High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles.
5. Poor " " 2½ "
6. Moderate " " 6 "
7. Good " " 12 "
8. Very good " " 31 "
9. Excellent. " beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION.....FRIDAY 30TH MARCH.....1923. No. 89

Observations at 0100 G.M.T. 30th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1027·1	0	SSW	3	Fo+	41	97	1	800	St	10	-	10	*
Stornoway	1022·9	0	-	0	b	*	*	7	*	*	*	*	*	*
Wick	1025·2	+1	S	2	mmb	43	97	6	800	St	1	-	1	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1021·7	0	SE	3	bc	43	97	8	-	-	0	Ci Cu	5	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1026·0	+1	E	1	mb	43	92	6	-	St	1	-	1	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1026·4	+1	-	0	fo+	42	97	2	2500	St	10	-	10	*
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1025·1	0	-	0	b	42	97	7	4000	St Cu	3	-	3	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1027·2	+1	SE	2	b	44	92	7	-	-	0	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1026·8	+2	S	1	b	37	97	4	-	-	0	-	0	*
Gorleston	1028·0	+1	S'W	2	b	41	97	6	-	-	0	-	0	*
Valencia (Cahirciveen)	1019·2	+1	S'E	3	ofr	49	97	4	-	St	10	-	10	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1024·6	0	SE	4	c	46	92	7	4000	St Cu	8	-	8	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover		*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...		*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...		*	*	*	*		*	*	*	*	*	*	*	*
Croydon	1027·9	0	S	3	9	43	97	7	1500	St	9	-	9	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness... ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1028·8	+2	S	1	b	41	97	7	-	-	0	-	0	*
Scilly (St. Mary's) ...	1022·8	-2	SSE	3	0	49	85	7	4000	St Cu	10	-	10	*
Falmouth (Pendennis)	1024·4	-1	S	4	c	48	92	8	4000	Cu	8	-	8	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1026·1	+2	SSE	4	o+	48	92	7	-	-	0	a. St	10	*
Southampton (Ca. shot)	1027·6	0	ESE	3	b-	45	97	8	-	-	0	a. Cu	1	*
Dungeness	1028·2	+1	WSW	2	b	45	97	8	-	-	0	-	0	*
Jersey 7h }	1025·8	0	S	3	o+	47	92	7	5700	St Cu	3	a. St	10	*
Guernsey 1h }														

Observations at 0700 G.M.T. 30th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1027·5	0	SSW	3	FFo	41	97	1	450	St	10	-	10	2
Stornoway	1023·7	+1	-	0	c	37	97	6	4000	Cu	7	-	7	0
Wick	1025·8	+1	SE	2	mmd	42	97	5	1500	St	10	-	10	0
Castlebay	1023·4	+1	SE	4	bc	46	92	7	-	-	0	a. St	5	4
Nairn	1025·6	*	-	0	b	37	92	7	-	-	0	-	0	*
Aberdeen	1027·7	+2	SE	1	ffo	42	97	2	2150	St	10	-	10	0
Malin Head	1022·6	0	SSE	4	c+	43	97	8	4000	Cu	2	Ci Cu	8	2
Renfrew	1023·4	+4	E	1	ffo	39	97	2	225	St	10	-	10	*
Edinburgh (Inchkeith)	1026·7	+3	ENE	1	ffo	40	97	5	-	St	1	-	1	1
Leuchars	1026·7	+1	-	0	FFo	40	97	1	2150	St	10	-	10	*
Eskdalemuir	1027·6	+1	N	3	bc-	34	97	5	1500	St Cu	6	-	6	*
Tynemouth	1027·4	+1	-	0	Fo-	41	97	1	2150	St	10	-	10	0
Blacksod Point ...	1024·6	+1	S	2	bc-	43	97	8	-	-	0	a. St	4	1
Donaghadee	1021·4	*	SE	1	ob+	46	97	7	2500	Nb	9	-	9	*
Birr Castle	1025·0	0	SE'S	2	b	43	85	8	4000	Cu	1	a. St	3	0
Holyhead	1026·2	+1	SE	2	b+	41	92	7	2500	Cu	3	-	3	2
Liverpool (Bidston) ...	1026·3	+1	E	2	bcff	37	97	5	4000	St Cu	4	-	4	*
Chester (Shotwick) ...														
Spurn Head	1028·3	+1	S	2	mbc	40	97	4	450	St	5	-	5	2
Nottingham	1027·8	+2	ESE	1	Fo+	35	97	1	2150	St	10	-	10	*
Cranwell	1028·3	+3	SSE	1	ffo	37	97	2	4000	St Cu	10	-	10	*
Gorleston	1028·5	0	SSW	1	FFo	40	97	1	2500	St	10	-	10	0
Valencia (Cahirciveen)	1020·9	+2	NNW	3	ofr-	47	97	6	800	St	9	-	9	1
Roches Point	1021·3	0	SE	3	ofr	48	97	6	1500	Nb	10	-	10	3
Pembroke (St. Ann's H.)	1023·6	0	SSE	4	c	46	92	8	4000	St Cu	4	a. Cu	8	5
Ross-on-Wye	1027·0	+1	ENE	1	FFo	38	97	1	2150	St	10	-	10	*
Benson...	1028·1	+1	SE	1	c	42	97	6	800	St	5	Ci	8	*
Andover	1027·8	+1	ENE	2	o	42	97	6	2500	St Cu	5	a. St	9	*
S. Farnborough ...	1028·3	+1	E'S	2	bc+	42	97	5	1500	St	1	Ci St	6	*
London (Kew Obsy.)...	1028·9	+2	E	1	c	44	97	6	1500	St	4	a. Cu	7	*
Croydon	1028·5	+1	-	0	c	39	97	5	4000	St Cu	7	-	7	*
Clacton-on-Sea ...	1029·2	+2	S	1	ffbc	43	97	2	2150	St	5	-	5	0
Shoeburyness... ...	1029·3	+1	NE	1	ffo	43	92	2	450	St	10	-	10	*
Grain	1029·4	+1	-	0	Fo+	40	97	1	2150	St	10	-	10	0
Lympne	1029·0	+1	ESE	2	b	42	92	8	7200	St Cu	1	-	1	*
Scilly (St. Mary's) ...	1022·2	0	SSE	3	0	49	92	7	4000	St Cu	10	-	10	3
Falmouth (Pendennis)	1024·3	+1	S	4	0	48	85	8	4000	St Cu	9	-	9	1
Plymouth (Cattewater)	1024·7	-1	S	3	0	48	85	8	2500	St Cu	1	a. Cu	10	0
Portland Bill	1025·5	0	S	3	0	48	92	7	2500	St	10	-	10	2
Southampton (Ca. shot)	1027·4	0	ESE	4	o+	42	92	7	4000	St Cu	4	a. St	10	0
Dungeness	1028·4	0	NE	2	b	43	92	7	-	-	0	Ci	2	2
Jersey 7h }	1026·6	0	ESE	3	0	49	75	7	4000	St Cu	10	-	10	3
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 29th

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 28-29 °F.	Temperature. Max. Day. 29 °F.	Rainfall.† Night 17h.-9h. 28-29 mm.	Rainfall.† Day 9h.-17h. 29 mm.	Sunshine. Sunrise to 17h. 29 hr.	Sunshine. Sunrise to Sunset. 28 hr.
Montrose	*	*	42	48	1	-	1·6	0·0
Llandudno	cb	bbc	44	54	-	-	6·8	2·5
Colwyn Bay ...	c	c	44	51	-	-	5·8	2·6
Rhyl...	bc	cbc	43	51	-	-	5·5	0·0
Southport	ocbcc	co	41	52	-	-	2·6	5·6
Blackpool	co	com	39	56	0·3	-	3·9	5·0
Ilkley	ombc	bcb	35	53	10	-	4·4	3·2
Harrogate	omb	bbcb	38	53	0·1	-	3·4	2·9
Skegness	bco	obbco	40	56	-	-	3·7	5·0
Aberystwyth ...	cbb	b	44	51	1	-	7·0	0·5
Bath	obcb	bcco	46	57	1	-	3·7	6·2
Leamington Spa ...	ocbo	o	41	52	0·3	-	0·8	5·6
Lowestoft	b	b	43	52	-	-	10·2	2·1
Felixstowe	bcz	b	45	51	-	-	8·0	6·8
Southend	oc	co	44	58	-	0·1	3·3	6·6
Ilfracombe	bbc	bcb	45	52	-	-	6·6	1·7
Bude	cbcc	cbcc	47	54	-	-	5·1	1·9
Penzance	bc	bcc	42	53	-	-	6·0	7·5
Paignton	bcco	bccbcc	44	56	1	-	4·3	4·6
Torquay	b	b	45	57	0·2	-	4·9	4·2
Weymouth	bbc	bc	46	55	1	-	7·5	6·2
Bournemouth ...	b	b	43	56	-	-	8·5	6·8
Portsmouth (S'thsea)	b	tbc	46	58	2	-	5·8	6·8
Worthing	bc	tbc	46	55	1	-	6·5	8·5
Brighton	*	*	48	57	-	-	6·2	8·8
Eastbourne	cbc	bcb	47	54	0·2	-	9·0	8·8
Hastings	bcc	cbcb	47	53	1	-	7·6	7·7
Folkestone	b	b	46	55	-	-	7·4	7·0
Tunbridge Wells ...	bccp	thro	45	52	1	3	2·0	5·9
Ramsgate	b	bbcb	44	55	-	-	9·1	6·6
Margate	bc	cbbc	44	56	-	-	6·1	6·2
Deal	bcp bc	bbb	46	56	-	-	8·7	7·6

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22409 SATURDAY 31st MARCH 1923.

Observations at 1300 G.M.T. 30th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground
Lerwick	1027.3	0	SSW	2	Fot	41	97	1	450	St	10	–	10	*
Stornoway	1023.5	0	SW	3	b-	53	85	7	–	–	0	–	0	*
Wick	1025.1	-2	SSE	3	mmbc	46	75	5	450	St	3	Ci	4	*
Castlebay	1022.4	0	SE	4	bc	?53	92	7	–	–	0	aSt	6	*
Nairn	*	*	*	*	*	*	*							*
Aberdeen	1027.3	-1	S	3	o	42	97	4	225	St	10	–	10	0
Malin Head	1021.5	-1	SSE	4	o	51	85	8	4000	StCu	10	–	10	*
Renfrew	1025.5	-2	ENE	2	mmo	46	92	4	4000	St	10	–	10	0
Edinburgh (Inchkeith)	1025.8	-4	NE	2	mb-	47	85	6	–	St	2	–	2	*
Leuchars	1026.3	-1	ENE	2	ffo	43	97	3	<150	St	10	–	10	5
Eskdalemuir	1025.4	-1	–	0	o	50	75	7	2500	StCu	9	–	9	0
Tynemouth	1026.8	0	SE	1	FFo	43	97	1	<150	St	10	–	10	0
Blacksod Point														*
Donaghadee	1023.8	-2	S	2	b	51	85	8	–	–	0	Ci St	3	*
Birr Castle	1021.5	*	SE	1	or:	52	92	7	2500	Nb	9	-	9	*
Holyhead	1024.1	-2	SSE	4	bc	54	65	8	2500	Cu	4	aCu	6	0
Liverpool (Bidston)	1024.6	-2	SE	3	bc	54	65	8	4000	Cu	3	aCu	6	*
Chester (Shotwick)	1025.4	-2	SE	4	bc	56	55	6	2500	Cu	5	–	5	0
Spurn Head	1027.9	-1	SSE	3	b/f	49	75	5	–	–	0	Ci	2	*
Nottingham	1026.5	-2	SSW	2	bc	54	65	7	2500	Cu	6	–	6	*
Cranwell	1027.3	-2	SSE	2	bc	55	65	8	2500	Cu	5	–	5	0
Gorleston	1028.5	0	SSE	3	bc	49	85	7	4000	Cu	2	Ci	5	*
Valencia (Cahirciveen)	1021.9	0	NW'N	4	b-	52	75	8	1500	Cu	3	–	3	1
Roches Point	1020.7	0	SE	3	DD	50	97	5	1500	Nb	10	–	10	*
Pembroke (St. Ann's H.)	1023.2	-1	SE	4	or_or_o	47	92	7	1500	Nb	10	–	10	*
Ross-on-Wye	1025.9	-2	ESE	2	o	50	75	7	2500	St	10	–	10	1
Benson	1026.0	-2	SSE	3	o+	52	65	6	–	Cu	2	aSt	10	1
Andover	1027.9	0	SSE	4	o	52	65	7	2500	StCu	6	aSt	10	1
S. Farnborough	1027.3	-2	SE	3	o	54	65	7	4000	Cu	2	aSt	10	1
London (Kew Obsy.)	1027.4	-2	SSE	3	o	56	55	6	2500	Cu	3	aSt	10	1
Croydon	1027.5	-1	SSE	2	o+	54	75	7	4000	StCu	5	CiSt	9	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1028.1	-2	ESE	4	bc/f	50	85	8	7200	Cu	3	Ci	5	*
Grain	1027.9	-3	ENE	3	c	48	92	7	4000	StCu	5	aCu	8	1
Lympne	1028.0	-2	SE	2	o+	53	65	8	4000	Cu	1	aSt	9	0
Scilly (St. Mary's)	1022.9	0	SSE	2	o	53	85	7	4000	StCu	9	–	9	*
Falmouth (Pendennis)	1024.2	0	SSE	3	o+	51	85	8	4000	StCu	10	–	10	*
Plymouth (Cattewater)	1024.3	-1	S	4	o	53	75	8	4000	StCu	2	CiSt	10	0
Portland Bill	1025.6	0	ESE	4	bc-	49	92	7	–	–	0	aCu	6	*
Southampton (Calshot)	1026.8	-2	ESE	4	o	49	85	8	–	–	0	aSt	10	0
Dungeness	1027.9	-1	E	2	bc	52	85	7	–	–	0	CiCu	5	*
Jersey	1026.0	0	SE	3	c+	56	65	7	–	–	0	aCu	7	*

Observations at 1800 G.M.T. 30th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1026.0	-3	SSW	2	Fot	39	97	1	800	St	10	–	10	1
Stornoway	1022.2	-1	S	2	b	50	75	7	–	–	0	–	0	1
Wick	1023.6	-2	S	2	o	44	97	8	1500	St	5	aSt	10	0
Castlebay	1021.3	-1	ESE	4	c	49	75	7	4000	StCu	5	aSt	8	4
Nairn	1022.2	*	–	0	bc+	46	85	7	4000	Cu	2	aSt	5	*
Aberdeen	1025.6	-2	S	2	fot	42	97	3	<150	St	10	–	10	0
Malin Head	1020.1	-1	SSE	4	o	50	85	8	4000	StCu	9	–	9	3
Renfrew	1023.7	-2	E	1	fc+	47	85	3	2500	StCu	8	–	8	*
Edinburgh (Inchkeith)	1024.1	-1	NE	3	FFo	41	97	1	–	St	10	–	10	2
Leuchars	1024.6	-2	E	1	FFo	41	97	1	<150	St	10	–	10	*
Eskdalemuir	1023.6	-2	–	0	c	49	65	7	2500	StCu	8	–	8	*
Tynemouth	1025.1	-2	S	1	FFo	42	97	1	<150	St	10	–	10	0
Blacksod Point														
Donaghadee	1022.4	-2	S	2	c+	48	85	8	4000	StCu	3	aSt	7	2
Birr Castle	1019.8	*	E	1	or	49	92	4	2500	StCu	9	-	9	*
Holyhead	1022.3	-2	SSE	4	o	48	75	8	2500	StCu	5	aSt	9	4
Liverpool (Bidston)	1023.7	0	SSE	3	b	49	65	7	2500	Cu	3	–	3	4
Chester (Shotwick)	1024.0	-1	S	2	c+	48	75	7	4000	StCu	6	aCu	8	*
Spurn Head	1025.7	-2	SE	4	b	44	92	6	4000	CuNb	1	aCu	2	2
Nottingham	1024.9	-1	S	1	o	52	75	6	2500	St	10	–	10	*
Cranwell	1025.4	-2	E	1	o	49	75	8	2500	St	7	aSt	10	*
Gorleston	1026.9	-2	SSE	1	bc+	45	92	6	–	–	0	Ci	4	0
Valencia (Cahirciveen)	1020.6	0	NNW	3	b	50	85	8	2500	Cu	2	–	2	1
Roches Point	1019.2	-1	SE	1	o	49	97	6	450	St	10	–	10	3
Pembroke (St. Ann's H.)	1021.3	-2	SSE	4	o	48	92	8	2500	StCu	10	–	10	5
Ross-on-Wye	1023.3	-2	SSE	2	o	51	75	8	4000	Nb	7	aSt	10	*
Benson	1024.6	-4	S	2	bc	49	65	8	–	–	0	aCu	6	*
Andover	1024.6	-2	SE'S	3	o	49	75	7	2500	StCu	8	aSt	10	*
S. Farnborough	1024.7	-3	SSE	2	o	52	65	7	5700	StCu	8	aCu	10	*
London (Kew Obsy.)	1024.9	-3	SE	2	c	53	55	6	2500	StCu	3	aCu	8	*
Croydon	1025.0	-3	SE'E	2	o-	51	65	6	–	–	0	aCu	9	*
Clacton-on-Sea	1025.3	-2	E	3	o+	47	97	7	–	–	0	aSt	9	0
Shoeburyness	1026.3	-2	ESE	1	c+	47	85	7	–	–	0	aSt	8	*
Grain	1026.2	-1	E'S	4	o	48	85	7	–	–	0	aSt	10	0
Lympne	1026.1	-1	ENE	3	o	49	75	7	5700	StCu	1	aSt	9	*
Scilly (St. Mary's)	1021.0	-1	S'E	1	od_o	50	92	6	4000	StCu	10	–	10	2
Falmouth (Pendennis)	1021.6	-2	SSW	3	o	50	85	8	4000	StCu	10	–	10	1
Plymouth (Cattewater)	1022.1	-2	SE	3	o	50	85	8	5700	StCu	10	–	10	0
Portland Bill	1023.7	-4	SE	5	o+	47	92	6	–	–	0	aSt	10	4
Southampton (Calshot)	1024.8	-2	SE'S	3	o	48	92	7	4000	StCu	4	aSt	10	0
Dungeness	1025.6	-3	E	4	o+	48	92	7	–	–	0	aSt	10	2
Jersey	1023.2	-1	SE	3	o+	57	65	7	–	–	0	aCu	7	3

LONDON OBSERVATIONS. (Weather and Temperature: 24 Hours ended 0900 G.M.T. 31st)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day
Kew (24 hours ended 0700)	cmwz	ozcz	omw	*	*	39	Tr	-	2.5	*	*
Croydon (24 hours ended 0700)	cmzy	oyz	ozcoz	*	*	39	-	Tr	2.6	*	*
Greenwich (Royal Obsy.)											
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*	54	46	41	-	-		52	69
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*		*	*
Camden Square	bc	0	*	55	43	39	-	-	*	*	45
Kensington Palace	bco	0	*	56	43	34	-	-	*	63 (18h)	42
Hampstead Observatory	*	*	*	53	43	35	-	-		*	49

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 30th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

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

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris			
δ Ursae Minoris			

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer.
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	c	5	-	5°
18h.	c	5	-	170
01h.	c	4	-	155°
07h.	c	5	-	125°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 31st March and 1st April, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.32 5.30	11.57 11.57	6.22 6.24
Greenwich	5.40 5.38	12.4 12.4	6.28 6.30
Wick	5.45 5.42	12.16 12.16	6.48 6.50
Valencia	6.21 6.19	12.45 12.45	7.9 7.11

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain; i = intermittent; - = "decreasing"; + = "increasing"; b(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r_or_o = continuous light rain.

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

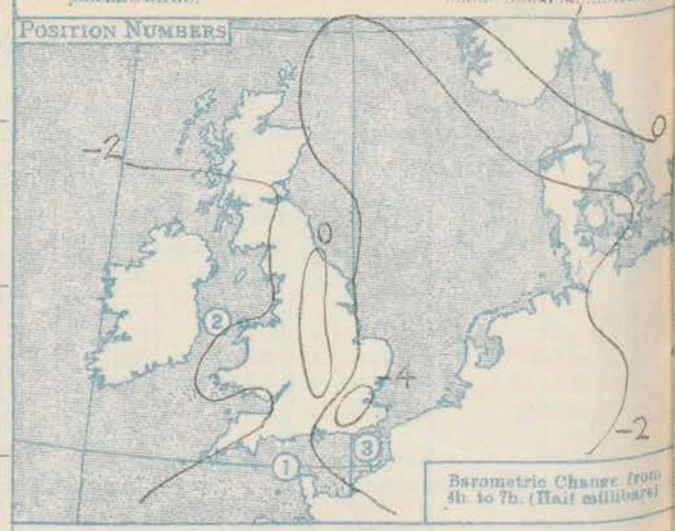
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 30th	13h.-18h. 30th	18h. 30th to 1h. 31st	1h.-7h. 31st	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 30th Hours.
Lerwick	F	F	F	F	42	32	•	—	0.1	—	<2100	0.0
Stornoway	b or bc	b or bc	b.bc	00z	53	33	•	—	-	—	-	8.4
Wick	bc mm	oo	oifc	ofom	44	40	•	—	-	—	-	•
Castlebay	bcm	e.om	ombm(1)	bncfw	50	43	•	—	-	—	-	6.0
Nairn	bm	b/bcm	befc	fc	52	32	•	—	0.2	—	2200	8.4
Aberdeen	of.om	omif	bifc	f.Fe.o	42	40	39	—	Trace	—	<2100	0.0
Malin Head	c	c	cobce	bcoz	52	39	•	—	-	—	-	4.2
Renfrew	ofm.b.o	ommfc	om	om	49	42	41	—	-	—	-	0.3
Edinburgh (Inchkeith)	m	mFF	FF	FFm	49	39	40	Trace	0.1	—	-	3.6
Leuchars	oF eF	oFe	oFeFe	oFeFe	43	40	30	Trace	Trace	<0800	<2100	0.0
Eskdalemuir	b.bc.c.o	o.c	com	omc	52	30	26	—	-	—	-	4.0
Tynemouth	oFF	oFF	omFF	oFF	44	33	32	—	-	—	-	•
Blacksod Point ...							•					•
Donaghadee	bc	bc	bc	c	52	44	•	—	-	—	-	•
Birr Castle	corr	corrc	co	ffo	53	42	34	4	-	<0800	-	0.0
Holyhead	op.bc	bcgo	od.r	or.mo	55	44	44	0.1	5	1100	2200	4.0
Liverpool (Bidston) ...	bc	b	or		55	41	39	—	5	—	<2100	0.1
Chester (Shotwick) ...	bcz	b.bc.c	corrm	or.mm	57	43	41	—	4	—	<2100	8.3
Spurn Head	f or m	b or bc	bempc	oo	50	42	•	—	0.1	—	<2100	4.5
Nottingham	cf.m.	ep.	or	fr	56	44	41	Trace	0.3	1330	<2100	3.4
Cranwell	ofmc	bcpro	om	or.m	56	41	40	0.2	Trace	1630	0630	*
Gorleston	off.bc	b.bc	bbcow	oprco	50	44	35	—	Trace	—	0430	8.5
Valencia (Cahirciveen)	o.c.bc	cb						0.2		-		
Roches Point	TOOmDDdd.om	OTO	OC		51	44	*	5	2	<0800	<2100	*
Pembroke (St. Ann's H.)	Tor d	otro	ofr	orro	48	43	•	4	6	<0800	2200	0.0
Ross-on-Wye	foo.	oo	off	proco	52	43	40	—	0.2	—	0130	0.0
Benson...	c.o	c	bec	cor	55	44	39	—	0.3	—	0630	•
Andover	om.o	o	o	oor	56	43	38	—	1	—	0530	1.1
S. Farnborough ...	c.o	o.c.o	o	oor	57	41	34	—	-	—	-	1.1
London (Kew Obsy.) ...	cmw.oz	ozcz	om	omw	56	43	39	Trace	-	—	-	2.3
Croydon	cmzy	ozz	ozc	cozw	55	43	39	—	Trace	—	0630	2.5
Clacton-on-Sea ...	bc	bc.c.o	o	ocm	50	46	43	—	-	—	-	4.3
Shoeburyness	off.c.bc	c.	c	cm	52	43	38	—	Trace	—	-	5.1
Grain	ofc.c	c.co.		oom	50	44	40	0.1	-	—	-	1.6
Lympne	b.bcc	oo	o	ocm	54	43	42	—	-	—	-	6.3
Scilly (St. Mary's) ...	o.c	om	o	cid	54	45	•	—	0.2	—	<2100	0.2
Falmouth (Pendennis)	o	o	omdom	omi	52	45	•	—	Trace	—	<2100	0.9
Plymouth (Cattewater)	oo	oo	oo	fco	53	44	44	—	1	—	0230	1.6
Portland Bill	o.c	c.o	o	fco	50	45	•	—	0.3	—	0530	•
Southampton (Calshot)	oo	c	oo	fd	51	44	44	—	Trace	—	0530	1.0
Dungeness	b or bc	c	c	oo	53	44	•	—	-	—	-	•
Jersey	o.c	c.o	o	oc	59	46	•	—	-	—	-	5.5

ISALLOBARS. 31st March, 1923.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Duty.
9	30th 0300	BRIGHTON	SE	2	b.	48	48	8

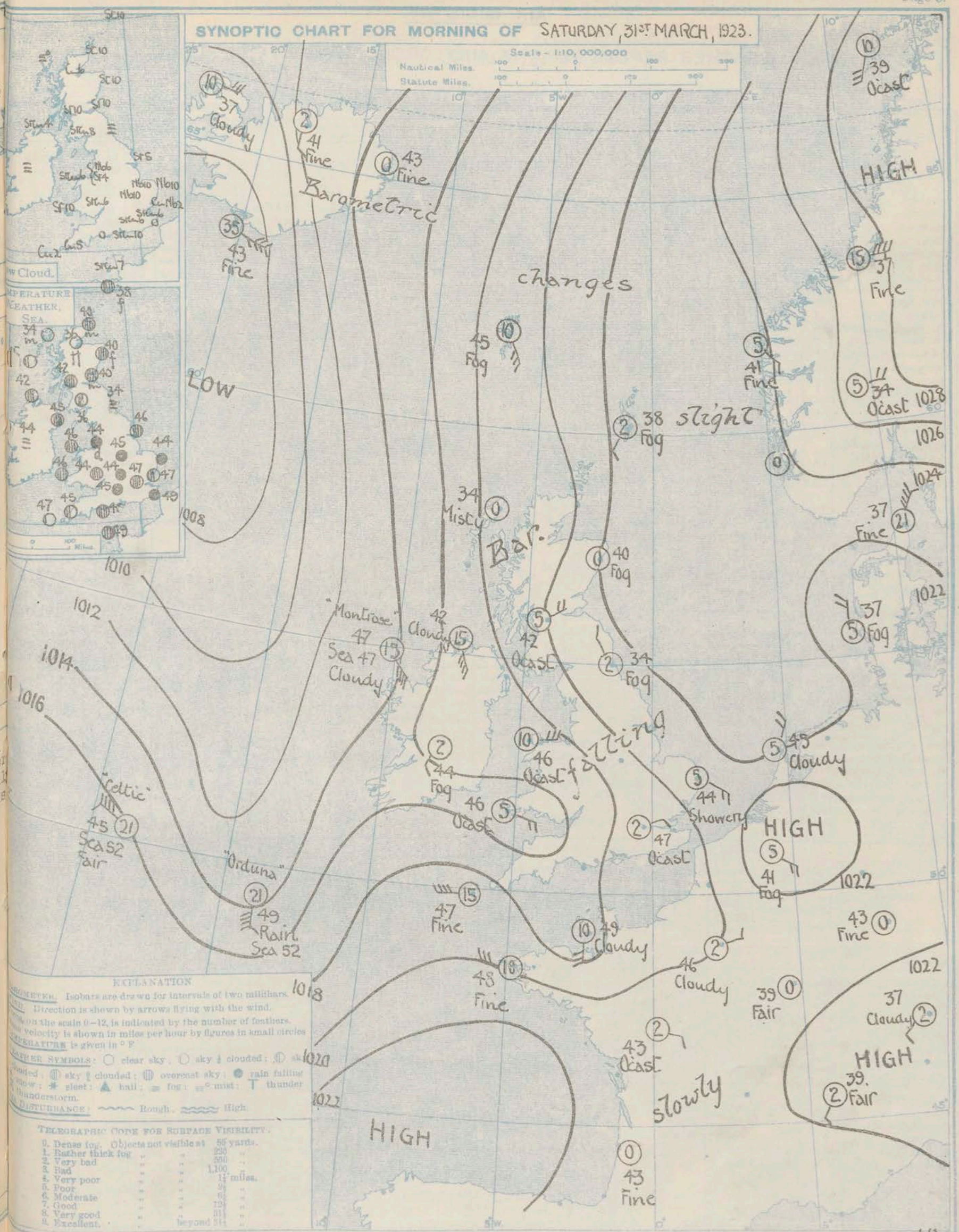
GENERAL INFERENCE.

Secondary depressions advancing from the Atlantic will cause some rain in all districts during the next day or two, with local thunderstorms, but fair periods are not improbable.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 31st March, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light to moderate winds, mainly from S.E. and S.; some rain or drizzle, risk of local thunderstorms but fair periods; visibility poor to moderate; moderate temperature.	Cool and rather unsettled generally but bright periods.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Moderate winds, mainly southerly at first, becoming Westerly or Northwesterly later; some rain with thunder locally, bright periods later; visibility mainly good; becoming 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	As 1 - 4.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 5 - 7.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930. GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF SATURDAY, 31st MARCH, 1923.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Barometric changes
LOW
HIGH
HIGH
HIGH
slight
slowly
Bar.
"Montrose"
"Celtic"
"Orduna"
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
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.
Wind velocity is shown in miles per hour by figures in small circles
TEMPERATURE is given in ° F
WEATHER SYMBOLS: clear sky; sky ½ clouded; sky clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough. High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles.
5. Poor " " 2 "
6. Moderate " " 6 "
7. Good " " 12 "
8. Very good " " 30 "
9. Excellent. " beyond 30 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... SATURDAY, 31st MARCH 1923. No. 90

Observations at 0100 G.M.T. 31st

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1024.4	-2	SSW	2	Fo+	38	94	1	450	St	10	-	10	*
Stornoway	1020.4	-2	-	0	bc-	*	*	6	*	*	*	*	*	*
Wick	1021.8	-3	SSE	4	c/o	41	94	2	<150	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1019.4	-2	SSE	4	b.	42	94	8	-	-	0	A Cu	2	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1023.2	-1	ENE	2	FFO	41	94	1	<150	St	10	-	10	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1023.1	-2	-	0	Fo+	34	94	1	<150	St	10	-	10	*
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1019.5	-3	ENE	3	or.r.	45	94	6	800	Nb	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1023.8	-2	-	0	0+	45	92	4	4000	Nb	3	A St	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1023.4	-3	SSE	1	0	43	94	6	1500	St	10	-	10	*
Gorleston	1024.2	-1	SSE	1	0+	44	94	6	4000	St	10	-	10	*
Valencia (Cahirciveen)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1018.3	-4	SSE	1	ORR	46	92	4	1500	Nb	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1022.5	-2	SE'E	2	c	46	95	8	2500	St Cu	3	A St	4	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness... ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1022.9	-3	ESE	3	0	44	85	4	-	-	0	A St	10	*
Scilly (St. Mary's) ...	1019.4	-1	W'N	3	0	49	92	4	4000	St Cu	10	-	10	*
Falmouth (Pendennis)	1019.6	-3	WSW	3	od.	49	92	6	4000	St Cu	10	-	10	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1019.2	-4	SE	4	0	46	92	4	1500	St Cu	10	-	10	*
Southampton (Calshot)	1021.2	-3	E'S	4	0	48	85	4	-	-	0	A Cu	10	*
Dungeness	1022.4	-2	E	1	bc	44	92	4	-	-	0	Ci St	5	*
Jersey 7h }	1021.2	-2	S'W	3	0	50	95	8	5400	St Cu	3	A Cu	9	*
Guernsey 1h }														

Observations at 0700 G.M.T. 31st

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1022.9	-3	SSW	1	Fo+	38	94	1	450	St	10	-	10	0
Stornoway	1018.5	-1	-	0	mb-	34	92	4	-	-	0	-	0	0
Wick	1019.9	-1	S	2	mmo	40	94	4	450	St	10	-	10	0
Castlebay	1017.2	-2	SE	4	mmbc	45	92	6	1500	St Cu	6	-	6	4
Nairn	1019.8	*	-	0	ffbc	36	92	2	4000	Cu	6	-	6	*
Aberdeen	1022.0	-2	-	0	ffo	40	94	2	<150	St	10	-	10	0
Malin Head	1016.5	-2	SSE	4	bc	42	94	4	5400	St Cu	4	Ci Cu	6	3
Renfrew	1020.2	-2	ENE	2	0	42	92	5	1500	St	10	-	10	*
Edinburgh (Inchkeith)	1021.2	-2	ENE	2	mo-	40	94	5	*	St	10	-	10	1
Leuchars	1020.4	-1	E	2	FFO	40	94	1	<150	St	10	-	10	*
Eskdalemuir	1020.6	-2	NE	2	c	36	92	6	1500	St Cu	8	-	8	*
Tynemouth	1021.3	0	NNW	1	FFO	34	94	1	<150	St	10	-	10	0
Blacksod Point ...	1019.6	-3	ESE	4	0+	45	92	8	4000	St Cu	10	-	10	3
Donaghadee	1016.5	*	SW	1	ffo	44	94	3	<150	St	10	-	10	*
Birr Castle	1016.3	-2	E	3	0	46	92	4	5400	St Cu	6	A St	10	3
Holyhead	1019.5	-2	E	3	od	44	94	4	800	Nb	10	-	10	4
Liverpool (Bidston) ...	1018.0	-1	SE	1	0	44	92	4	1500	St	10	-	10	*
Chester (Shotwick) ...														
Spurn Head	1020.4	-3	SE	2	bc	46	85	4	800	St	5	-	5	2
Nottingham	1019.3	-2	ESE	1	or.r.	45	94	6	2500	Nb	10	-	10	*
Cranwell	1020.4	-3	E	3	or.r.	45	85	5	1500	Nb	10	-	10	*
Gorleston	1021.5	-1	ESE	2	obr.	44	94	6	4000	Nb	10	-	10	0
Valencia (Cahirciveen)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Roches Point	1016.8	-1	W	2	0	45	85	8	1500	St	1	Ci St	1	0
Pembroke (St. Ann's H.)	1015.8	-1	E'S	2	0	46	92	4	1500	St	10	-	10	4
Ross-on-Wye	1014.0	-2	E'S	1	0	44	85	4	4000	St Cu	6	A Cu	10	*
Benson...	1018.1	0	SSE	1	0r	44	94	6	1500	Nb	10	-	10	*
Andover	1014.4	+2	E	2	or.r.	46	92	4	1500	St	10	-	10	*
S. Farnborough ...	1018.5	-1	S	1	or.	45	85	6	2500	St Cu	6	A St	10	*
London (Kew Obsy.)...	1018.6	-4	E'N	1	0	44	85	6	2500	St Cu	6	A St	10	*
Croydon	1018.4	-4	S'E	3	obr.	48	95	6	1500	Nb	6	A St	10	*
Clacton-on-Sea ...	1020.1	-2	SE	3	c	44	92	6	2500	Cu Nb	2	A Cu	8	0
Shoeburyness... ...	1019.6	-2	ESE	1	mmc	44	85	6	4200	Cu	4	A St	4	*
Grain	1019.3	-4	SE	2	0 ⊕	44	85	6	4000	St Cu	4	Ci St	10	0
Lympne	1019.4	-2	SE	3	0	48	85	6	-	-	0	Ci St	9	*
Scilly (St. Mary's) ...	1018.4	-1	WNW	4	b-	44	85	8	4000	Cu	2	-	2	4
Falmouth (Pendennis)	1019.5	-2	W	1	bc-	45	92	8	4000	Cu	5	-	5	0
Plymouth (Cattewater)	1016.4	-1	W	1	0	44	94	4	1500	St Cu	10	-	10	0
Portland Bill	1014.0	-2	S	4	ofr	48	92	4	2500	St	10	-	10	4
Southampton (Calshot)	1014.3	-3	E'S	4	ofr	49	85	8	4000	St Cu	10	-	10	0
Dungeness	1019.2	-3	SW	3	ofr	49	85	4	-	-	0	A St	10	3
Jersey 7h }	1014.3	-1	S	3	c	49	85	4	4000	St Cu	4	-	4	0
Guernsey 1h }														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 29.-30.‡ °F.	Temperature. Max. Day. 30.‡ °F.	Rainfall.† Night 17h.-9h. 29.‡-30. mm.	Rainfall.† Day 9h.-17h. 30.‡ mm.	Sunshine. Sunrise to 17h. 30.‡ hr.	Sunshine. Sunrise to Sunset. 29.‡ hr.
Montrose	*	*	37	42	-	-	0.0	1.6
Llandudno	bc.c	b.bc	39	58	—	-	8.0	7.1
Colwyn Bay ...	bc	bc	39	58	-	-	9.8	6.1
Rhyl...	bc	bc	38	58	-	-	10.0	5.5
Southport	b.bc.b	bc.b	38	58	-	-	9.4	2.6
Blackpool	b.bc	c	38	58	-	-	7.6	3.9
Ilkley	ofc	bc	39	53	-	0.3	1.4	4.4
Harrogate	bm	bm	38	52	0.1	-	2.4	3.4
Skegness	bfcb	b.bc	40	52	0.1	-	5.8	3.7
Aberystwyth ...	0.0.c	0	40	52	-	4	0.0	7.0
Bath	0.	0.0	39	55	-	-	0.1	3.7
Leamington Spa ...	-	-	37	54	-	-	0.0	0.8
Lowestoft	b	b	40	54	-	-	8.6	10.5
Felixstowe	of	b.bc	41	50	-	-	5.8	8.5
Southend	b.bc.	bc.c.o	39	55	-	-	5.1	3.3
Ilfracombe	o.c.bc	bc.c.o	46	57	-	-	2.3	6.6
Bude	c	c	46	55	-	-	2.0	5.1
Penzance	o.c.	c.oz	48	52	-	-	0.3	6.0
Paignton	bc.c.	bc.o	45	56	-	-	2.9	4.3
Torquay	b	c	47	54	-	-	2.3	4.9
Weymouth	o.o.	c.o	46	53	-	-	0.2	7.3
Bournemouth ...	oo	bc.o	37	53	-	-	1.6	8.2
Portsmouth (S'thsea)	o.c	c	42	53	-	-	1.1	5.8
Worthing	bc.c	bc.c	42	53	-	-	1.4	6.6
Brighton	c	c	47	58	-	-	1.2	6.2
Eastbourne... ...	b.bc	bc	38	51	-	-	3.8	9.4
Hastings	w.bc.c.o	o.c.o	42	54	0.2	-	4.5	7.8
Folkestone	b	b	38	55	-	-	6.9	7.5
Tunbridge Wells ...	b.bc	o.c.o	37	55	-	-	3.8	2.0
Margate	b.	b.bc.c	40	52	-	-	6.7	6.1
Ramsgate... ...	b.	b.bc	39	52	-	-	8.8	9.1
Deal...	b	bcc	33	54	-	-	7.3	9.3

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, March 1923.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
1st	Kew 18hr	Temp 47° Hum 75%
	Hastings	c o R o P R bc 45° 49° 1 7 3.3
	Eskdalemuir	Grass Min 35°
2nd	Blacksod Pt 13hr	Hum: 75%
	Kew 13-	Wind W.
	Grain 18hr	Cloud a St. 10.
	Plymouth 18-	- <150 Nb 10
	Spurn Hd 18-	Bar 988.8 mb
	Portland Bill 18-	Bar change +8
	Colwyn Bay	Sun 2.8 hrs.
	Brighton	- 6.6 -
	Deal	- 4.7 -
	Croydon	Rain 18h-7h 7mm.
	Calshot	" - - 6 "
3rd	Renfrew 13hr	Wind SSW 4
	Chester	Min 37°
	Croydon	Past Weather 7-13hr b.bcy
	Falmouth	Min 41°
4th	Castlebay 18hr	Hum. 85%
	Birr Castle 18-	Bar 1008.1 mb
	Castlebay	Sun 5.2 hrs.
	Tynemouth	Rain 18-7hr 1mm.
	Cranwell	Past Weather 13-18h b.bc.
	Andover	- - 7-13hr bfxc.
	"	- - 1-7 - o.c.
	Plymouth	Sommary orcp. cpbco. b.b. 50.41.38 1. 0.2 <0800 <2100 5.4 hrs
5th	Nottingham 18hr	Wind N 2
	S. Farnborough 18-	- NW 1
	St James's Park	Max 54°
	Colwyn Bay	Sun. 4.1 hrs
	Skegness	b. b. 30. 50. 0.2 - 6.8.
	Paignton	bq. dc. 42 53 - - 7.0
	Castlebay	Min 43°
	Jersey	Max 50°
6th	Clacton-on-Sea 7hr	Temp 45°
	Stornoway	Rain 7-18hr 0.1 Sun 1.4 hrs
	Ross-on-Wye	Max 48°
	Andover	Rain 7-18hr 0.4 mm.
	"	Past Weather 7-13hr bc.f.op.
7th	Edinburgh 7hr	Hum: 99%
	Brighton	Min 39°
	Spurn Hd	Max 48°
	Gorleston	Rain 7-18hr —
	Grain	Past Weather 18-1hr o R R. b.b.
	Andover	- - 13-18 - o r r. bc
	S. Farnborough 18hr	Bar change -7
8th	Lerwick 13hr	Wind NE
	Donaghadee 13-	Bar 1008.4 mb.
	Pembroke 18hr	- 1010.5 -
	Benson 18hr	" 1004.0 -
	Skegness	Rain night 2mm.
	Bude	- - 1 - Sun 0.8 2.6
	Lerwick	Rain day — Time —
	Falmouth	Sun 8.3 hrs
9th	Plymouth 13hr	Bar change 0
	Spurn Hd 7-	" - - 0 Wind NE 4
	Bath	Rain day 0.3 mm Night 17-9h 1mm
	Brighton	Max 50 Sun 1.9 hrs
	Spurn Hd	- 43 Rain night 0.2 0230
10th	Portland Bill	Min 37°
	Eskdalemuir 18hr	Wind ENE 2
	Calshot 7-	- NE'N 2
	Bude	Sun 7.3 hrs and 7.0 hrs
	Deal	Max 44°
	Nairn	Past Weather 7-13hr dc.bc
	-	- - 13-18 - bc.c.
11th	Plymouth	Sun 5.8 hrs.
	Donaghadee 18hr	Wind SW
	Birr Castle 18-	Bar 1004.1 mb
	Calshot 18hr	Sea 0
	Valencia 18hr	Temp 46°
	Kew 7-	Bar 1016.6 mb
	Croydon 7hr	Cloud SV Cu 9
	Scilly 7-	Wind SSE 4
	Plymouth	Summary od. or o. bc.b. bc.c 45. 44. 31. 3 - <0800 - 0.0
12th	Stornoway 13hr	Bar 1012.2 mb
	S. Farnboro' 13-	Read Andover
	Andover 13hr	- S. Farnborough
	Scilly 7hr	Wind S'E 4 Weather od.
13th	Lerwick	Min 36°
	Castlebay 13hr	Weather bcpr. Cloud St 6 - 6
	Benson 18hr	Bar 1021.4 mb.
	Calshot 13-	Ground 0
	Camden Sqre	Grass min 32°
	Hampstead	- - 30°
13th	Croydon	13h Radio c. 6. - . 130°
	Renfrew 7hr	Bar 1015.6 mb
	Holyhead	Rain 7-18hr 2mm.
14th	Valencia 7hr	Bar change -1 Temp 41°
	Lympne 7-	Hum: 97%
	Ilkley	Sun to 17h 13th 3.2 hrs.
	Castlebay	Min 43°
	Valencia	Past Weather 1-7hr b.bx.
15th	Eskdalemuir 13hr	Wind NE'E
	Cranwell 13-	- NE'E
	Dungeness 13-	- ENE 4
	Skegness	Rain night trace.
	Aberystwyth	Min 38°
	Felixstowe	- 35°
	Bude	Sun: 8.5 hrs
	Tonbridge Wells	- 0.0 hrs.
	Croydon	Past Weather 18-1hr o2.p.m
	Gorleston	Rain day 0.2 mm
16th	Wick 18hr	Bar 1032.1 mb. Wind SSE
	Nairn 18-	Wind ESE 5
	Chester 18hr	Temp 41°
	Ross-on-Wye 18-	Vis 6
	Kew 18hr	Temp 40°
	Calshot 1hr	Bar change 0 Vis 6
	Portland Bill 7-	Bar 1019.0 mb.
	Aberystwyth	Min 38° Sun to 17h 0.0 hrs
	Paignton	Rain day 1mm.
	Cranwell	Past Weather 18-1hr od.o m
	S. Farnboro'	Rain 18-7h 1mm
	Chester	Max 42°
	Calshot	Grass Min 38°
17th	Stornoway 13hr	Temp 40°
	Lympne 7-	Bar 1022.9 mb.
18th	Malin Hd 13hr	Wind ESE 4
	Leuchars 18-	- ENE 2
	Cranwell 1hr	Temp 36°
	Castlebay 7-	Bar 1032.1 mb
	Aberystwyth	Min 40°
	Lowestoft	Sun to 17h 6.8 hrs.
19th	Plymouth 18hr	Cloud Ci Cu 1
	S. Farnboro' 7hr	- 1000' St 10.
	Portland Bill 7-	Bar 1022.2 mb.
	Torquay	Sun 17th 5.1 hrs.
	Ramsgate	bc.b. bm 40. 46. - - 8.4 7.5
	Renfrew	Max 49°
	Chester	Grass Min 18°
	Dungeness	Max 48°
20th	Calshot 13hr	Hum 65% Vis 8
	Castlebay 18-	Wind NE
	Renfrew 18-	Hum: 83%
	Leuchars 18hr	- 95%
	Benson 18-	Bar 1020.6 mb.
	Lympne 18hr	Bar 1019.8 -
	Hampstead	Min 33°
	Colwyn Bay	Sun for 18th 7.4 hrs
	Skegness	- - - 8.9 -
	Cranwell	Past Weather 1-7hr bf
21st	Castlebay 13hr	Wind SE 4
	Leuchars 13-	Cloud St Cu 3
	Stornoway 18hr	Bar 1023.0 mb Wind NNW 2
	Nottingham 7-	Bar 1019.7 mb.
	Penzance	Rain day nil.
	Leuchars	Max 46°
	Donaghadee	Min 41°
	Shoeburyness	Rain day 0.2 mm.
22nd	Malin Hd 13hr	Bar 1020.1 mb.
	Croydon 13-	Ground 1
	Scilly 18-	Cloud a St. 8.
	Croydon	Sun: 2.9 hrs
	Lympne 1hr	Temp 43°
	Torquay	Max 53°
	Worthing	Rain night 7mm.
	Liverpool	Sun: 2.4 hrs.
23rd	Castlebay 13hr	Wind E 2
	Benson 18-	Bar 1015.6 mb
	Croydon 18-	Wind E'N 2
	Westminster	Rain 1mm
	Portland Bill 7hr	Bar change -2
	Weymouth	Sun to 17h 3.0 hrs
	Donaghadee	Min 41°
	Lympne	Grass Min 39° Sun 0.3 hrs
24th	Castlebay 13hr	Bar 1014.7 mb.
	Holyhead 13-	Cloud St Cu 4 a Cu 9.
	Andover 13hr	Read S. Farnboro'
	S. Farnboro 13-	" Andover
	" 18-	- -
	Andover 18-	- S. Farnboro'
24th	Holyhead 7hr	Sea 1
	Stornoway	Max 47°
	Shetwick	Rain began 1230
	Andover	Past Weather 13-18h o r r. o. m Rain day 2mm
	S. Farnboro	Max 44° Rain day 3mm
25th	Andover 13hr	Wind S'W
	Leuchars 18-	Hum: 84%
	Plymouth 18hr	- 92% Cloud 2500'
	Spurn Hd 7-	Cloud St Cu 10
	Plymouth 7hr	Bar 1017.9 mb
	Bude	Sun to 17h 7.8 hrs
	Penzance	Rain night nil
	Brighton	Sun to 17hr 9.6
	Eastbourne	- - - 10.1
	Folkestone	b. b. 40. 51 - - 8.7 0.0
	Chester	Past Weather 1-7hr c f f m.
	Grain	Grass Min 29°
	Plymouth	Sun: 7.1 hrs.
26th	Cranwell 13hr	Ground 0
	Liverpool 18-	Temp 52°
	Cranwell 18-	Wind SSW 2
	Plymouth 18hr	Temp 51
	Colwyn Bay	Sun to 17h 7.5 hrs
	Aberystwyth	- - - 8.7 -
	Bude	- - - 8.5 - Sun 24th 7.8 hrs
	Nottingham	Sun 2.5 hrs
	Grain	" 4.3 -
27th	Leuchars 13hr	Temp 51°
	Holyhead 13-	Wind SW
	Chester 13hr	Hum 65% Vis 4 Cloud Ac 3 - 3
	Cranwell 1hr	Wind SSE
	Leuchars 7-	Temp 48°
	Plymouth 7hr	Bar 1015.9 mb. Wind ESE 4
	Skegness	Max 53°
	Aberystwyth	Sun to 17h 4.0 hrs
	Bude	Sun 25th 9.1 hrs
	Brighton	Sun to 17hr 7.0 hrs
	Spurn Hd	Min 42°
	Birr Castle	Max 59°
	Gorleston	Rain day 0.6 mm
	Andover	Past Weather 7-13hr o x. o. c m.
	Grain	Rain day 0.2 mm <0800
	Falmouth	- - 3 - -
	Calshot	Rain night 0.1 mm.
28th	Malin Hd 18hr	Wind ESE 4
	Plymouth 18-	Cloud 225'
	Hampstead	Max 68°
	Croydon	7hr Radio $C_1 C_2$ 5 - 55°
	Cranwell 1hr	Wind SSE
	Lympne 1-	Temp 50°
	Calshot 1hr	Bar 1017.3 mb
	Brighton	Sun 26th 7.7 hrs
	Castlebay	Rain day 2 mm.
	Eskdalemuir	Sun 1.7 hrs
	Grain	- 8.8 -
	Lympne	- 10.4 -
	Plymouth	Rain day 6 mm
29th	Scilly 13hr	Wind WNW Hum: 85% 18hr N'W
	Falmouth 13-	Hum: 75%
	Stornoway 1hr	Bar 1021.6 mb
	Valencia	Bar Change -3 Wind SSE 3
	Torquay	Sun to 17h 3.9 Weymouth Sun 20 17h 6.1
	Bournemouth	- - - 6.8 hrs Deal - - - 10.4
	Pembroke	Rain day 1mm
30th	Gorleston 18hr	Temp 47°
	City	Sun 0.5 hrs
	Westminster	- 0.7 - Hampstead Sun 1.0 hrs
	Cranwell 1hr	Hum: 97%
	Croydon 7hr	- 97%
	Colwyn Bay	Sun to 17h 5.2 Brighton Sun 2 17h 5.7 hrs
	Torquay	Sun 28th 3.5 hrs Deal Sun 28th 6.7 hrs
31st	Castlebay 13hr	Bar 1023.4 mb Temp 48°
	Benson 13-	Bar 1026.8 mb
	Croydon 13-	Hum 55%
	S. Kensington	Pollution max 0.6 20h 29th - 1.0 10h 30th Min 40.3 0-6h 30th
	City	Sun: 1.0 hrs Hampstead Sun 1.8 hrs
	Cranwell 1hr	Wind SSE
	" 7-	Vis 5
	Colwyn Bay	Sun 29th 5.4 hrs
	Brighton	- - 5.7 -
	Deal	- - 9.4 -
	Cranwell	Sun 4.5 hrs
	Croydon	- 2.5 -

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, March 1923.

II.—ADDITIONS.

Report for	Station	Hour	Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility § 0-9	Height of Low Cloud Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9	Weather 7h.-13h.	Weather 13h.-18h.	Weather 18h.-1h.	Weather 1h.-7h.	Max. Day 7h.-18h.	Min. Night 18h.-7h.	Min. on Grass	Rainfall Day 7h.-18h.	Rainfall Night 18h.-7h.	Precipitation began	Sun Hours
1st	Blacksod Pt	13hr	987.3	+1	W	4	o	48	75	7	-	CuNb	9		9	*											
	Roches Pt	13-	989.1	+1	NW	2	o-	49	92	6	-	-	0	aSc	9	*	rropom										
	"	18hr	994.1	+5	W	3	c	46	85	8	2500	CuNb	7	-	7	1		cpo a'iR						2		<0800	
	Dungeness	18-	991.8	0	SW	6	cR	46	85	7	1500	Nb	3	CiCu	7	6								5		<0800	
	Blacksod Pt	7hr	995.2	+3	SW	4	bc	45	97	7	-	CuNb	9	-	9	5				p	49	40	*		4	-	*
	Birr Castle	7-	997.4	*	SSW	2	bc/r	40	97	7	1500	Cu	6	-	6	*			cprc.			40	35		2	<2100	6.8
	Roches Pt	7hr	1000.1	+1	SSE	1	c+	42	92	7	4000	StCu	2	CiSt	8	1			bc.bw	bwc	49	40	*	2	0.1	<0800	*
2nd	Blacksod Pt	13-	995.5	*	SE	1	o+	48	75	7	2500	St	10	-	10	*	c.o										
	Roches Pt	13hr	995.0	-9	SE	4	odo+	48	97	7	1500	Nb	10	-	10	*	c.odom										
	Blacksod Pt	18hr	978.2	-19	SSE	8	oPR+	46	85	7	-	Nb	10	-	10	8											
	Roches Pt	18-	986.3	-7	W	4	bc/r	49	85	7	800	Nb	4	-	4	6		p TrRRbcp									
	Blacksod Pt	1hr	979.9	+1	SW	8	opro	44	75	6	-	Nb	10	-	10	*			o								
	- -	7-	979.9	+1	W	7	opro	44	97	6	-	Nb	10	-	10	9				Trd	50	36	*	2	15	-	*
	Birr Castle	7hr	986.1	-	SW	4	bcprq	42	92	7	1000	StCu	6	-	6	*				C.orqq	48	39	35	3	2	-	*
3rd	Roches Pt	7-	991.0	-1	W	4	bc	44	92	8	4000	CuNb	4	-	4	6			cp	bc.b	51	42	-	11	1	1230 1330	*
	Roches Pt	13hr	989.6	0	W	5	bc/h	50	75	8	4000	CuNb	5	-	5	*	bchp.bc										
	Blacksod Pt	18-	981.5	-	W	6	o	44	85	6	-	Nb	10	-	10	8		o.c									
	Roches Pt	18hr	989.2	0	W	2	b	45	75	8	2500	CuNb	3	-	3	3		bcp.b									
	Andover	18-	993.8	-3	SSW	4	c/r	43	92	8	2500	StCu	4	CiSt	7	*		bc.o.cp			52			0.5		1530	
	Blacksod Pt	7hr	995.3	-	NW	5	c	47	75	6	-	CuNb	8	-	8	9				o.c	50	36	*	2	15	-	*
	Valencia	7-	996.2	+7	NNW	4	opro	47	85	7	800	StCu	10	-	10	4				op.o	49	43	39		1	0630	4.7
	Roches Pt	7hr	993.4	+2	NW	4	b	42	92	8	-	-	0	-	0	3			bw	bw	50	39	*	2	0.1	1230	*
4th	- -	13-	999.9	+9	NNW	7	c+	50	75	8	2500	CuNb	7	-	7	*	b.bc.c										
	Blacksod Pt	18hr	1012.4	-	NNW	5	c	45	75	7	-	CuNb	8	-	8	8		c									
	Chester	18-	998.4	+16	NW'N	4	odo	44	87	5	1500	St	10	-	10	*		o.ldm			48			2		1200	
	Roches Pt	18hr	1007.9	+9	NNW	5	b	48	85	8	4000	CuNb	3	-	3	3		c bc b									
	Blacksod Pt	7-	1021.8	+5	W	3	c	45	75	8	-	Cu	8	-	8	3				c	51	36	*	-	0.1	-	*
	Roches Pt	7hr	1021.5	+5	NNW	4	b	40	92	8	-	-	0	aCu	2	0			b.	b	51	39	*	-	-	-	*
	Birr Castle	7-	1020.7	*	W	1	b	35	92	7	4000	StCu	3	-	3	*			c.o	bcx	50	33	27		-	-	4.3
5th	Blacksod Pt	13hr	1020.4	-1	W	3	bc	48	75	8	-	Cu	6	-	6	*	c										
	Birr Castle	13h.	1022.1	*	NW	1	c+	47	75	8	4000	St.Cu	8	-	8	*	bcco										
	Roches Pr.	13h.	1022.7	+2	NNW	2	c+	50	75	8	-	-	0	Ci.Cu	7	*	bbcc										
	Blacksod Pr.	18h.	1018.1	-2	W	4	o	46	75	7	-	St.Cu	10	-	10	4		c									
	Birr Castle	18h.	1021.2	*	W	2	bc	43	85	7	1500	St	4	A.St.	5	*		co									
	Roches Pr.	18h	1022.5	0	WSW	2	c	46	85	8	-	-	0	Ci.Cu	7	0		c									
	Blacksod Pr.	7h	1010.9	-2	W'S	5	c	49	75	7	-	CuNb	7	-	7	4				c	49	41	*	-	6	-	*
	Birr Castle	7h	1013.3	*	SSW	3	bc	49	85	7	4000	StCu	6	-	6	*			oprco	co	47	41	34	-	5	-	33
	Roches Pr.	7h	1015.6	-1	W	3	b	47	92	8	-	-	0	-	0	6			orrb	co	51	45	*	-	5	0230	*
6th	Castlebay	13h	1002.6	+2	W	4	oR-	45	92	6	800	Cu	10	-	10	*	b										
	Blacksod Pr.	13h.	1013.7	+5	W	5	bc	51	75	7	-	CuNb	6	-	6	*	co										
	Birr Castle	13h.	1015.7	*	W	3	c+	51	65	8	4000	St.Cu	8	-	8	*	b										
	Roches Pr.	13h	1017.4	+2	WNW	4	bc	53	75	8	4000	CuNb	2	Ci	4	*											
	Blacksod Pr.	18h.	1014.8	0	SW	3	bc	47	85	7	-	CuNb	4	-	4	3		c									
	Birr Castle	18h.	1017.3	*	W	3	bc	48	75	8	-	Cu	2	Ci.Cu	3	*		co									
	Roches Pr.	18h	1020.1	+1	W	2	c+	50	85	8	-	-	0	Ci	8	3		bbcc									
	Blacksod Pr.	7h	1002.6	-2	SW'W	5	cf	49	75	3	-	CuNb	8	-	8	5				c	51	41	*	-	4	-	7.8
	Birr Castle	7h	1007.7	*	SE	2	c+	47	85	7	1500	Cu	7	-	7	*			co	co	52	41	34	-	-	-	*
	Roches Pr	7h.	1010.1	-6	WSW	4	orr	48	97	5	1500	Nb	10	-	10	6			carr	c	54	46		-	1	0530	
7th	Blacksod Pr.	13h.	997.7	-1	W	7	opro	47	75	7	<150	Nb	7	-	7	*	b										
	Birr Castle	13h.	1006.4	*	W	2	c/r	52	65	8	4000	St.Cu	8	-	8	*	co										
	Roches Pr.	13h.	1008.8	0	W	4	bc	52	75	8	4000	CuNb	4	-	4	*	bc										
	Castlebay	18h.	992.5	-6	S	5	oPR	47	85	6	800	Nb	10	-	10	7		ocoop									
	Blacksod Pr.	18h	999.7	0	W	7	o	45	75	7	-	Nb	10	-	10	8		oc									
	Birr Castle	18h	1005.5	*	W	4	c/r	47	75	8	4000	St.Cu	7	-	7	*		copra/									
	Roches Pr.	18h	1009.0	0	W	4	bc	49	85	8	4000	CuNb	4	-	4	3		bcpbc									
	Castlebay	7h	997.8	+10	NNW	3	bc+	45	92	7	1500	St	4	-	4	4			c	hrpc	48	44	*	2	3	1630	2.8
	Blacksod Pr.	7h.	1008.6	-	NW'W	4	c	48	75	3	-	CuNb	8	-	8	4				c	51	41	*	-	2	-	*
	Birr Castle	7h.	1006.5	*	W	4	c/r	45	92	7	2500	Cu	8	-	8	*			coir	coiro	53	44	39	4	1	<0800	5.4
	Roches Pr.	7h.	1010.5	+1	NW	4	c+	44	92	8	4000	St.Cu	7	-	7	3			bbcc	bbcp	53	44	*	2	0.2	1430	*
8th	Birr Castle	13h.	1010.3	*	NW	2	c	52	65	8	4000	St.Cu	7	-	7	*	co										
	Roches Pr.	13h.	1012.4	+2	NW	5	o	50	85	8	4000	St.Cu	10	-	10	*	co										
	Castlebay	18h.	1012.2	+4	NNW	3	c+	48	85	8	1500	Nb	5	A.St	7	3		bcbc									
	Roches Pr	18h.	1015.4	+3	NW	3	o	48	85	8	2500	St.Cu	10	-	10	0		apcco									
	Castlebay	7h.	1021.7	+2	N	3	bcpo	40	85	8	2500	St.Cu	6	-	6	3			barp	copbc	50	40	*	-	0.2	-	8.6
	Blacksod Pr.	7h.	1022.0	+1	NE	3	bc	45	85	7	-	-	0	A.St	6	3				b	50	40	*	-		-	*
	Birr Castle	7h.	1019.1	*	SW	1	o/f	39	97	6	1500	St.Cu	9	-	9	*			co	Pmrco		39	34		0.1	2200	5.5
	Roches Pr.	7h.	1019.3	+2	N	3	b	44	92	8	4000	St.Cu	3	-	3	0			c	cb	51	44	*	0.1	-	1730	*
9th	Roches Pr	13h.	1020.8	+1	N	2	b	51	75	8	4000	Cu	2	-	2	*	b										
	Castlebay	18h.	1024.4	0	NNE	5	b	45	75	8	-	-	0	-	0	4		b									
	Blacksod Pr.	18h.	1021.8	+1	N	4	c	45	65	9	-	St.Cu	8	-	8	3		c									
	Roches Pr	18h.	1020.9	0	N	2	b	49	85	8	4000	St.Cu	3	a.Cu	3	0		bbccis									
	Castlebay	7h.	1024.0	0	SE	2	c+	43	86	8	1500	CuNb	8	-	8	3			bo	b	46	40	*	-	-	-	9.5
	Blacksod Pr.	7h.	1023.1	-2	E	4	b	49	65	7	-	-	0	-	0	1				bbc	51	34	-	-	-	-	*
	Roches Pr.	7h.	1010.6	0	ENE	2	c	39	92	6	-	-	0	A.Cu	7	0				b	53	37	-	trace	-		*
10th	Roches Pr.	13h.	1013.9	-1	E	4	oro	45	85	6	2500	Nb	10	-	10	*	oimgro										
	Blacksod Pr.	18h.	1017.1	-1	SE	4	b	46	75	7		CuNb	3	-	3	3		bbc									
	Roches Pr.	18h.	1018.2	-1	SE	3	c-	44	85	7	2500	St.Cu	7	-	7	3		oimgo									
	Castlebay	7h.	1013.3	-1	SSE	5	o	41	75	7	1500	Nb	10	-	10	6			b	bo	44	41	*	trace		-	9.1
	Blacksod Pr.	7h.	1015.6	-6	SSE	6	opro	42	75	3	-	Nb	10	-	10	6			oo	oo	48	35	*	-	-	-	*
	Donaghadee	7h	1015.8	?	SW	2	o	41	75	7	2500	St	10	-	10	2			c	c	46	40	*	-	-	-	*
	Birr Castle	7h	1012.2	*	SE	1	bc-	35	97	7	2500	Cu	4	-	4	*			coz	bcz		30	21		-	-	3.1
	Roches Pr.	7h.	1011.5	-3	SSE	5	o	44	92	7	2500	St.Cu	10	-	10	6			co	o	47	[illegible]	*	0.3	-		*
11th	Roches Pr.	13h.	1007.1	-5	SSE	6	orr	44	92	6	1500	Nb	10	-	10	*	orrm										
	Blacksod Pr.	18h.	1005.8	-	SSE	6	o	42	75	3	-	Nb	10	-	10	6											
	Roches Pr.	18h.	1003.4	-5	SSE	6	orr	43	97	6	1500	Nb	10	-	10	7		orrm									

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, MARCH 1923.

II.—ADDITIONS.

Report for	STATION.	Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9	Summaries for the Past 24 Hours. Weather. 7h.-13h.	Weather. 13h.-18h.	Weather. 18h-1h.	Weather. 1h.-7h.	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h.	Rainfall.† Night. 18h.-7h.	Rainfall.† Precipitation began.	Sun. Hours.
11th	Blacksod Pr. 7h	1010.1	+4	S	4	o/r	45	92	6	-	-	0	A.St	10	4			oc	oo	45	38	*	-	2	-	*
	Roches Pr. 7h	1012.2	-3	SSE	3	o	45	97	6	1500	St	10	-	10	6			rr	rro	46	43	*	12	10	1100	*
12th	Blacksod Pr. 13h	1008.9	-1	SW	5	o	48	85	7	-	-	0	A.St	10	*	oo										
	Birr Castle 13h	1013.6	*	SE	2	o	48	85	8	4000	St.Cu	9	-	9	*	co										
	Blacksod Pr. 18h	1008.4	0	SSE	6	oprr	45	85	5	-	Nb	10	-	10	6		p									
	Birr Castle 18h	1013.6	*	SE	1	o/o+	46	92	6	1500	Nb	10	-	10	*		oir									
	Roches Pr. 13h	1014.5	+1	S	3	o	49	97	7	-	-	0	A.St	10	3	om										
	" 18h	1015.0	0	SSE	4	orr	47	97	7	4000	Nb	10	-	10	6		orro									
	Blacksod Pr. 7h	1000.6	-4	S	6	oprr	52	92	7	-	Nb	10	-	10	3				r-d	49	41	*	1	4	-	*
	Roches Pr. 7h	1011.9	0	SW	4	orr	47	97	7	4000	Nb	10	-	10	3			rr	rr/fog	49	44	*	1	11	1730	*
	Plymouth 7h	1021.0	0	SSE	4	orr	46	92	6	1500	Nb	10	-	10	0			o	or	48	43		▲	4	<2100	*
	Birr Castle 7h	1009.8	*	SE	2	o/r	47	97	6	1500	Nb	9	-	9	*			oiR	coiR	49	42	41	0.2	5	0230	0.1
13th	Blacksod Pr. 13h	997.8	0	S	7	bc-	51	85	8	-	Cu.Nb	6	-	6	*	b										
	Birr Castle 13h	1006.7	*	SE	1	orro	52	97	7	2500	Nb	9	-	9	*	r-d										
	Roches Pr. 13h	1010.6	0	WSW	3	or-	50	97	6	2500	Nb	10	-	10	*	orrm										
	Blacksod Pr. 18h	1000.0	+9	S	7	oRR+	48	75	8	-	Nb	10	-	10	8											
	Roches Pr. 18h	1012.5	+3	W	3	bc	49	85	8	4000	St.Cu	2	Ci	5	6		obc									
	Blacksod Pr. 7h	1025.8	+9	W'S	4	o	45	75	7	-	-	0	A.St	10	4				oo	52	38	*	2	3	-	*
	Roches Pr. 7h	1024.1	+7	NW	3	bc	42	92	8	-	-	0	Ci	5	0			bcb	bwbc	53	40	*	4	trace	1100	*
14th	Blacksod Pr 13h	1026.1	+5	SW	3	b	45	75	8	-	-	0	Ci	3	*	b										
	Roches Pr. 13h	1021.4	+3	NW	3	c+	50	75	8	4000	Cu	5	Ci	7	*	bcc										
	Blacksod Pr. 18h	1021.2	+2	SW'S	3	o	46	85	7	-	-	0	Ci.Cu	6	4		c									
	Roches Pr. 18h	1021.3	+1	NE	1	c	48	75	8	4000	St.Cu	4	Ci	7	0		cbcc									
	Blacksod Pr. 7h	1027.8	+1	SSE	3	b	44	65	7	-	-	0	Ci	1	3				bbc	50	36	*	-	-	-	*
	Roches Pr. 7h	1025.7	-1	N	1	b	37	97	7	-	-	0	-	0	0			cb	bw	52	37	*	-	0.1	-	*
15th	Blacksod Pr. 13h	1027.3	0	SE	3	b	45	75	8	-	Cu	2	-	2	*	bbc										
	Roches Pr. 13h	1027.0	-1	SE	3	c+	49	75	8	4000	Cu.Nb	7	-	7	*	bbcc										
	Blacksod Pr. 18h	1026.8	-1	SE	2	bc	48	85	8	-	-	0	Ci.Cu	4	3		b									
	Roches Pr. 18h	1026.4	0	SE	3	o	47	85	7	2500	St.Cu	10	-	10	*		co									
	Blacksod Pr. 7h	1027.4	+1	ESE	4	o	43	75	6	-	-	0	A.St	10	4				o	50	39	*	-	-	-	*
	Roches Pr. 7h	1025.8	0	ENE	1	o	41	92	7	2500	St	5	A.St	10	0			oo	oo	50	41	*	-	-	-	*
16th	Blacksod Pr. 13h	1026.7	0	ESE	4	o	44	75	7	-	-	0	A.St	10	*	oo										
	Roches Pr. 13h	1025.3	0	ENE	3	o	42	85	7	4000	St	10	-	10	*	oo										
	Blacksod Pr. 18h	1025.6	0	E	2	o	43	75	7	-	-	0	A.St	10	0		oo									
	Roches Pr. 18h	1023.2	-1	ENE	2	o	43	85	7	4000	St	10	-	10	0		o									
	Blacksod Pr. 7h	1023.8	-1	E	4	o	43	85	6	-	-	0	A.St	10	4			oo	oo	46	38	*	-	-	-	*
	Roches Pr. 7h	1022.4	0	E	4	o	43	92	7	4000	St	10	-	10	6			o	o	44	42	*	-	-	-	*
17th	Blacksod Pr. 13h	1024.4	0	SE'E	5	o	44	85	7	-	-	0	A.St	10	*	oo										
	Roches Pr. 13h	1022.9	+1	E	4	o	47	85	7	2500	St.Cu	10	-	10	*	o										
	Blacksod Pr. 18h	1024.6	0	SE'E	3	o	45	75	7	-	-	0	A.St	10	0		oo									
	Roches Pr. 18h	1022.6	0	E	3	o	44	92	6	1500	St.Cu	5	Ci.Cu	10	3		ocom									
	Blacksod Pr. 7h	1026.6	+2	SE	4	o	43	75	7	-	-	0	A.St	10	3			oo	oo	45	39	*	-	-	-	*
	Roches Pr. 7h	1023.5	0	E	3	o	42	92	7	2500	St	10	-	10	3			o	orr	49	42	*	-	-	-	*
18th	Blacksod Pr. 13h	1026.4	+2	SE	3	o	46	75	7	-	-	0	A.St	10	*	oo										
	Birr Castle 13h	1026.5	*	E	1	o	48	85	6	2500	St.Cu	9	-	9	*	coz										
	Roches Pr. 13h	1024.4	0	E	4	c	49	75	6	4000	St.Cu	7	-	7	*	oc										
	Blacksod Pr. 18h	1027.0	+1	E	2	c-	46	85	7	-	-	0	A.St	8	0		oo									
	Birr Castle 18h	1026.0	*	E	1	o	45	85	5	2500	St.Cu	9	-	9	*		coz									
	Roches Pr. 18h	1024.4	+1	E	4	o	46	92	6	4000	St.Cu	7	-	7	3		co									
	Blacksod Pr. 7h	1025.6	0	SE	2	b-	50	65	8	-	Cu	3	-	3	0				bbc	46	38	*	-	-	-	*
	Birr Castle 7h	1028.2	*	E	1	bc	36	97	6	1500	St.Cu	3	-	3	*			coz	bccz	49	35	29	-	-	-	23
	Roches Pr. 7h	1026.6	+1	ENE	2	o	41	92	6	4000	St	10	-	10	3			oim	o	49	39	*	-	-	-	*
19th	Birr Castle 13h	1027.9	*	SE	1	bc	51	75	6	4000	St.Cu	6	-	6	*	bccz										
	Roches Pr. 13h	1026.5	0	E	3	o	48	85	7	4000	St.Cu	9	-	9	*	oco										
	Blacksod Pr. 18h	1026.6	0	E	3	b-	48	75	8	-	Cu	3	-	3	0		bbc									
	Birr Castle 18h	1026.5	?	E	2	oz	46	85	5	3000	Cu	3	Ci.St	10	*		coz									
	Roches Pr 18h	1025.4	0	E	2	b	46	92	7	-	-	0	-	0	3		cb									
	Blacksod Pr. 7h	1025.7	0	SE	5	bc+	46	75	8	-	Cu.Nb	5	-	5	4				bbc	51	38	*	-	-	-	*
	Birr Castle 7h	1024.1	*	E	2	o	38	92	7	3000	Cu	4	A.St	6	*				coz	53	32	20	-	-	-	98
	Roches Pr. 7h	1022.2	-1	E	4	o	43	92	7	2500	St.Cu	10	-	10	3			bo	b	50	42	*	-	-	-	*
20th	Blacksod Pr. 13h	1021.0	-3	SE	4	c+	48	75	8	-	Cu.Nb	8	-	8	*	c										
	Roches Pr. 13h	1020.7	-1	E	4	o	45	85	7	2500	St.Cu	10	-	10	*	o										
	Blacksod Pr. 18h	1021.4	+2	E	2	b-	44	75	3	-	Cu	1	-	1	0		bbc									
	Roches Pr. 18h	1019.6	0	E	3	bc	43	97	6	2500	St.Cu	4	-	4	3		obcum									
	Blacksod Pr. 7h	1020.2	+2	SE	4	o	41	92	7	-	-	0	A.St	10	0				oo	51	37	*	-	-	-	*
	Roches Pr. 7h	1019.6	0	ESE	3	b	42	92	6	4000	Cu	3	-	3	3			bim	b	48	33	*	-	-	-	*
21st	Blacksod Pr. 13h	1019.4	-1	SE	3	o	47	55	7	-	St.Cu	10	-	10	*	oo										
	Roches Pr. 13h	1019.0	0	ESE	3	bc	47	85	6	4000	St.Cu	5	-	5	*	bbcz										
	Blacksod Pr. 18h	1020.3	+2	NE'N	2	o	46	75	7	-	-	0	A.St	10	0		oo									
	Birr Castle 18h	1019.6	?	ENE	1	o+	44	75	7	-	-	0	A.St	10	*		coz									
	Roches Pr. 18h	1019.4	0	SE	1	b	43	92	6	4000	St.Cu	1	-	1	0		bcbz									
	Blacksod Pr. 7h	1021.7	+2	SW	2	o/r	44	92	7	-	Nb	10	-	10	0				r-d	51	33	*	-	0.5	-	*
	Roches Pr. 7h	1021.5	0	NNW	2	b	39	97	6	1500	St	3	-	3	0			bwbz	bwz	49	39	*	-	0.2	-	*
22nd	Blacksod Pr 13h	1020.5	-2	SW	2	c	48	75	8	-	Cu.Nb	7	-	7	*	c										
	Roches Pr. 13h	1020.8	0	NNW	3	bc	50	75	7	-	-	0	Ci.St	5	*	r-d										
	Blacksod Pr. 18h	1020.2	-1	SW	2	c	48	65	7	-	Cu.Nb	7	-	7	0		r-d									
	Roches Pr 18h	1020.0	-1	N	2	bc	50	85	6	-	-	0	Ci.St	2	0		bz									
	Blacksod Pr. 7h	1018.4	0	E	2	b-	39	92	8	-	Cu	2	-	2	0				bbc	50	30	*	0.3	-	-	*
	Valencia 7h	1018.0	-1	NNE	2	o	41	97	6	2500	St.Cu	10	-	10	2				rom	50	40	*	-	-	-	
	Roches Pr. 7h	1018.3	-1	N	2	o	43	92	7	4000	St	10	-	10	0			bzo	bo	52	43	*	-	trace	-	*
23rd	Blacksod Pr. 13h	1016.5	-2	E	2	-	47	65	9	-	St.Cu	8	-	8	*	c										
	Birr Castle 13h	1017.1	*	NE	1	oRR	43	97	6	1500	Nb	10	-	10	*	orro										
	Roches Pr. 13h	1016.1	-2	N	2	o	47	92	7	2500	St.Cu	2	A.St	10	*	oco										

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, MARCH 1923.

II.—ADDITIONS.

Report for	STATION.	Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9	Summaries for the Past 24 Hours. Weather. 7h.-13h.	Weather. 13h.-18h.	Weather. 18h.-1h.	Weather. 1h.-7h.	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h.	Rainfall.† Night. 18h.-7h.	Rainfall.† Precipitation began.	Sun. Hours.
23rd	Blacksod Pt. 7h.	1013.5	+1	E	3	0	44	92	5	-	-	0	A.St	10	4			c	c	50	34	*	-	-	-	*
	Birr Castle 7h.	1012.9	*	N	1	of	33	97	3	-	St	10	-	10	*			od.d	fo.		33	29		0.2	-	0.0
	Roches Pt. 7h.	1012.6	0	NNE	2	o	43	97	6	1500	St	10	-	10	0			or.r.	r.roim	48	42	*	0.4	0.5	1430	*
24th	Blacksod Pt. 13h.	1012.5	-2	E	2	0	50	85	5	-	-	0	A.St	10	*											
	Birr Castle 13h.	1013.0	*	NE	1	o/f	44	92	5	2500	St.Cu	9	-	9	*	ocf3										
	Blacksod Pt. 18h.	1013.5	+1	E	2	o-	44	92	7	-	-	0	A.St	10	4		o									
	Roches Pt. 13h.	1012.6	0	ENE	1	o	47	97	6	4000	St	10	-	10	*	oim										
	" 18h.	1013.0	0		0	b-	45	97	6	4000	St.Cu	2	-	2	0		ocb									
	Blacksod Pt. 7h.	1014.5	+1	E	2	o-	44	92	7	-	-	0	A.St	10	4				o	51	30	*	-	-	-	*
	Roches Pt. 7h.	1015.6	+1	-	0	o	42	97	5	2500	St	10	-	10	0			bim	ffeom	50	39	*	-	0.3	-	*
25th	Blacksod Pt. 13h.	1013.7	0	E	2	o-	45	75	7	-	-	0	A.St	10	*	o										
	Roches Pt. 13h.	1015.7	0	SSE	2	bc+	50	85	8	4000	Cu	4	-	4	*	obmbc										
	Blacksod Pt. 18h.	1011.8	-1	E	3	mo-	47	85	3	-	-	0	A.St	10	4		o									
	Roches Pt. 18h.	1014.0	-3	SE	3	c	48	97	8	4000	-	0	A.St	7	3		bcbbcc									
	Blacksod Pt. 7h.	1010.2	-4	S	5	obr.	48	92	7	-	CuNb	7	-	7	6				b	50	41	*	-	5	-	*
	Roches Pt. 7h.	1010.9	+3	WSW	4	c	47	92	8	4000	CuNb	5	-	5	6			or.	r.bc	51	47	*	-	0.6	2400	*
26th	Blacksod Pt. 13h.	1012.4	+9	W	5	c+	51	75	7	-	CuNb	6	-	6	*	b										
	Roches Pt. 13h.	1011.7	+4	SSW	4	bc	52	97	9	4000	Cu	4	-	4	*	bc										
	Blacksod Pt. 18h.	1017.5	+1	W	4	c+	46	85	7	-	CuNb	6	-	6	6		c									
	Roches Pt. 18h.	1012.3	+3	SW	2	b	49	97	8	-	-	0	Ci	2	1		bcb									
	Edinburgh 1h.	1023.1	+5	WSW	1	bc-	42	85	8	-	-	0	Ci.St	4	*											
	Blacksod Pt. 7h.	1014.3	-4	E	5	bc	44	85	9	-	-	0	A.Cu	5	6				bbc	51	40	*	0.2	-	-	*
	Roches Pt. 7h.	1018.8	-2	SE	4	o	48	97	8	4000	St.Cu	10	-	10	6			bw	bwo	54	47	*	-	0.3	-	*
	Pembroke 7h.	1022.4	0	SE	3	ffo	45	97	2	<150	St	10	-	10	3				bcof	54	40	*	-	-	-	9.2
27th	Blacksod Pt. 13h.	1011.3	-1	SE	5	b-	55	65	7	-	CuNb	6	-	6	*	c										
	Valencia 13h.	1012.2	-3	SSE	6	o	53	75	8	2500	St.Cu	9	-	9	0	oco										
	Roches Pt. 13h.	1016.6	-2	SE	5	b	51	97	8	2500	St	1	Ci	2	*	obcb										
	Blacksod Pt. 18h.	1007.9	-3	SSE	6	c+	53	65	7	-	-	0	A.Cu	8	7		c									
	Roches Pt. 18h.	1015.0	-3	SSE	5	o	49	97	6	1500	St	10	-	10	6		beco									
	Pembroke 18h.	1018.2	-3	SE	4	o+	50	92	8	2500	St.Cu	10	-	10	3		cay									
	" 1h.	1015.8	-1	SSE	4	o	49	97	7	1500	St	10	-	10	*			b								
	Blacksod Pt. 7h.	1004.1	-1	S	5	obr.	50	92	3	-	Nb	10	-	10	5				b	56	45	*	-	3	-	*
	Valencia 7h.	1004.4	+1	S	3	mc-	50	97	6	225	St.Cu	5	Ci	8	1				oro	53	50	48	-	14	<2100	1.1
	Roches Pt. 7h.	1006.6	-2	S	4	orr	48	97	5	1500	Nb	10	-	10	6			or.r.	rrm	51	49	*	-	7	<2100	*
	Pembroke 7h.	1013.9	-2	SSE	4	o	47	92	8	1500	St.Cu	10	-	10	4				oqb	53	47	*	-	2	0230	3.2
28th	Blacksod Pt. 13h.	1004.4	0	SW	2	o-	51	92	7	-	-	0	A.St	10	*	o										
	Roches Pt. 13h.	1015.2	-2	S	3	or	49	97	5	800	Nb	10	-	10	*	rrr.rm										
	Blacksod Pt. 18h.	1004.6	+1	SW	3	c-	51	92	7	-	CuNb	8	-	8	0		oo									
	Roches Pt. 18h.	1005.9	+1	SSW	3	o	48	97	5	450	St	10	-	10	3		rrffo									
	Blacksod Pt. 7h.	1015.5	+5	SW	3	b	47	85	7	-	Cu	1	-	1	5				bbc	55	42	*	0.6	0.1	-	*
	Roches Pt. 7h.	1015.7	+6	WSW	4	or.r.	47	92	7	1500	Nb	10	-	10	1			ocb	bcorr	51	45	*	13	2	<0800	*
29th	Blacksod Pt. 13h.	1020.0	+3	SW	3	b	53	85	8	-	CuNb	3	-	3	*	bbc										
	Roches Pt. 13h.	1020.3	+3	WNW	4	c	53	75	9	4000	CuNb	4	-	4	*	r.rcbc										
	Blacksod Pt. 18h.	1021.1	+1	S	2	b	47	85	8	-	Cu	3	-	3	5		bbc									
	Roches Pt. 18h.	1022.6	+3	NW	3	b	52	75	8	-	-	0	Ci	2	1		bcb									
	Blacksod Pt. 7h.	1019.9	-1	SE	5	o	53	75	7	-	-	0	A.St	10	5				oo	54	40	*	-	-	-	*
	Birr Castle 7h.	1023.0	*	SW	1	bc	34	97	6	450	St	4	-	4	*			bcz	cabc		32	25		-	-	3.3
	Roches Pt. 7h.	1023.4	0	SE	3	o	45	97	7	2500	St	10	-	10	3			bw	bo	55	39	*	1	0.1	<0800	*
30th	Blacksod Pt. 13h.	1018.8	-1	SE	5	o	53	65	7	*	CuNb	10	-	10	*	oo										
	Birr Castle 13h.	1022.1	*	S	2	c+	55	65	8	4000	St.Cu	7	-	7	*	c										
	Roches Pt. 13h.	1022.7	0	SE	3	o	50	97	6	2500	St	10	-	10	*	oim										
	Blacksod Pt. 18h.	1018.3	-1	SE	5	o	54	75	7	-	CuNb	10	-	10	7		oo									
	Roches Pt. 18h.	1021.1	-1	SE	3	o	49	92	6	4000	St	10	-	10	3		oim									
	Blacksod Pt. 7h.	1020.9	+2	SE	4	o	49	92	7	-	-	0	A.St	10	4				b	54	44	*	-	4	1530	*
	Roches Pt. 7h.	1021.3	0	SE	3	or.r.	48	97	6	1500	Nb	10	-	10	3			oim	orrim	51	48	*	-	1	0330	*
31st	Blacksod Pt. 13h.	1020.4	0	SE	3	o	48	92	8	-	-	0	A.St	10	*	oo										
	Roches Pt. 13h.	1020.7	0	SE	3	oDD	50	97	5	1500	Nb	10	-	10	*	r.cDm										
	Blacksod Pt. 18h.	1011.9	+1	SE	6	c	45	75	8	-	CuNb	8	-	8	4		c									
	Roches Pt. 18h.	1019.2	-1	SE	1	o	49	97	6	450	St	10	-	10	3		DDd.dom									
	Blacksod Pt. 7h.	1013.7	-2	SE	4	bc	46	85	7	-	CuNb	4	-	4	4				c	52	34	*	1	-	-	*
	Roches Pt. 7h.	1016.8	-1	W	2	o	45	85	8	1500	St	1	Ci.St	7	0			oro	oc	51	44	*	5	2	<0800	*

‡ The barometric change is expressed in half millibars.

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