M.O FORM 2373

AIR MINISTRY.

METEOROLOGICAL OFFICE.

LONDON.

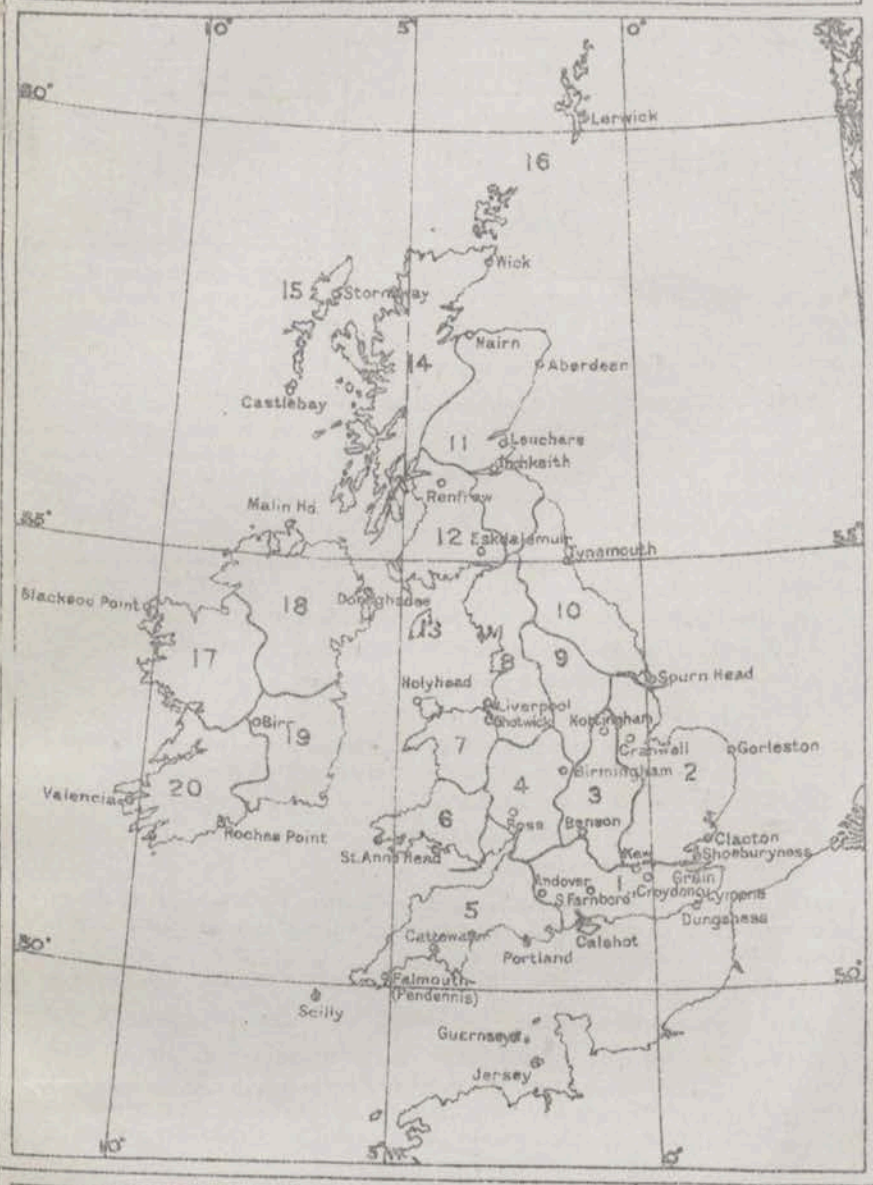
DAILY WEATHER REPORTS

1ST APRIL TO 30TH JUNE, 1923.

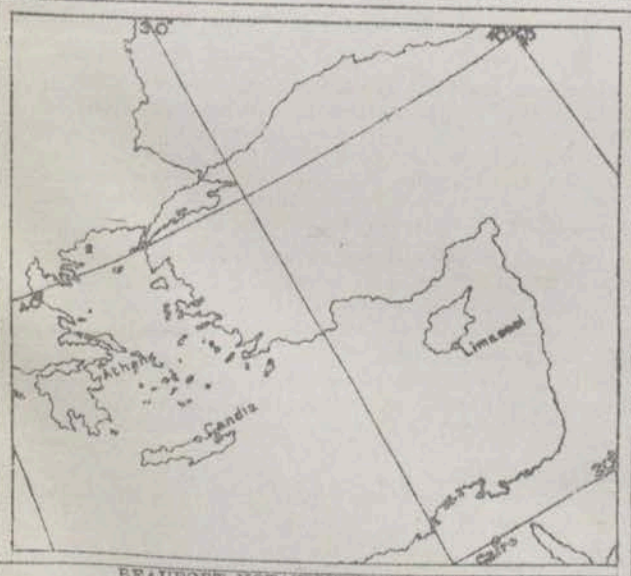
METEOROLOGICAL STATIONS.

H.M. Stationery Office Press, Kingsway W.C.2
1875/109 ... M.112 ... H.F. 1921 ...

FORECAST DISTRICTS AND BRITISH STATIONS.



STATIONS USED FOR UPPER AIR SUPPLEMENT.



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.
$r_o r_o r_o$ = continuous light rain.

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

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.

Heights of Stations.—The heights of British Stations above M.S.L. published in the British Section of the Daily Weather Report refer to the plot of ground on which the rain gauge is situated.

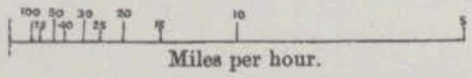
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section.

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

* 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.

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

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).

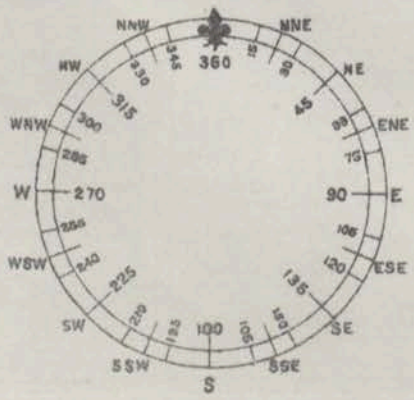
It is to be noted that there is an ambiguity of 180° in the determination of direction.

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.

Wind reports deduced from British Pilot Balloon Ascents refer to the 1,000 feet layers centering at the heights given in the table up to 16,000 feet. When winds are reported at greater heights, they refer to the 5,000 feet layers centering at 20,000 feet, 25,000 feet, 30,000 feet and 35,000 feet.

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.

APRIL. MAY. JUNE.

MET

DAILY WEATHER REPORT. APPENDIX I.

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

SECOND QUARTER, APRIL TO JUNE.

(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. 1881-1915.								
			1906-1915.	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	%
APRIL.	Lerwick	1010·9	40·9	46·0	36·9	59	1901, 14	21	1899	19	58	2·28	—	—
	Stornoway	1011·9	41·9	49·5	37·5	67	1893	20	1881	19	77	3·03	5·13	36
	Castlebay (Barra Isd.)	[1012·6]§	[44·0]§	[48·5]§	[41·1]§	[62]§	[1915]§	[27]§	[1908]§	[20]§	[72]§	[2·84]§	[5·33]§	[38]§
	Eskdalemuir	[1015·9]¶	[39·6]¶	[50·0]‖	[33·9]‖	[67]‖	[1914]‖	[18]‖	[1910]‖	[17]‖	[113]‖	[4·44]‖	[4·60]‖	[33]‖
	Malin Head	1012·6	43·4	[49·7]*	[40·8]*	[69]*	[1914]*	[26]*	[1908]*	[19]*	[50]*	[1·97]*	—	—
	Blacksod Point	1013·9	45·7	[51·5]*	[41·9]*	[71]*	[1893]*	[29]*	[1897, 1911]*	[20]*	[74]*	[2·90]*	—	—
	Valencia	1015·9	45·5	53·4	42·6	70	1892	30	1879, 92, 97, 98, 1906	19	93	3·67	5·33	39
	Roche's Point	1016·1	45·0	52·9	42·2	72	1893	29	1908	16	68	2·68	—	—
	Birr Castle	1015·2	42·2	54·2	38·0	73	1893	21	1892	16	55	2·15	5·13	37
	Donaghadee	1014·6	42·6	51·1	40·2	67	1909	28	1908	16	51	2·00	—	—
	Liverpool (Observatory)	1015·2	41·1	52·4	40·2	75	1893	28	1908, 11	14	41	1·61	[5·77]§	[42]§
	Holyhead	1014·9	45·0	51·2	41·5	75	1893	30	1908	14	53	2·08	[6·70]**	[48]**
	Pembroke (St. Ann's Hd.)	1015·4	44·3	50·6	42·0	70	1893	28	1911	15	50	1·95	5·93	43
	Scilly (St. Mary's)	1015·9	46·7	52·7	44·5	66	1893	30	1911	15	49	1·91	6·03	44
	Falmouth	1016·6	45·7	52·6	42·9	69	1893	29	1911	15	67	2·64	6·13	45
	Jersey (St. Aubin's)	1016·5	47·0	54·5	43·7	77	1893	28	1911	15	49	1·94	6·47	47
	Portland Bill	1015·6	45·2	51·6	42·3	[65]†	[1901, 04]†	[28]†	[1911]†	13	40	1·58	—	—
	Dungeness	1015·1	44·5	51·7	40·5	67	1901	24	1903	13	35	1·36	—	—
	Dover	[1016·1]§	[45·1]§	[52·0]§	[40·0]§	[71]§	[1914]§	[27]§	[1911]§	[14]§	[41]§	[1·60]§	[6·93]§	[51]§
	Wick	1011·7	41·3	49·1	36·8	69	1900	20	1905	18	51	1·99	—	—
	Nairn	1012·3	41·0	51·8	35·9	73	1914	18	1908	16	38	1·50	[4·83]‡	[34]‡
	Aberdeen	1013·4	42·2	49·8	37·6	74	1900	22	1908	17	48	1·87	5·27	37
	Leith	1013·7	42·9	52·6	38·1	73	1900	17	1908	14	33	1·29	—	—
	Tynemouth	1014·4	42·0	50·5	37·7	71	1892	23	1908	15	36	1·42	—	—
	Spurn Head	1014·5	43·3	49·8	40·0	70	1915	30	1881, 89, 1903, 05, 11	13	28	1·12	[6·60]**	[48]**
	Yarmouth	1015·2	43·3	50·0	39·8	72	1885	27	1911	14	38	1·49	[6·63]§	[48]§
	Clacton-on-Sea	1015·5	43·9	50·9	40·2	[69]‡	[1907, 09, 12]‡	[25]‡	[1911]‡	11	33	1·28	6·03	44
	Nottingham	1015·4	42·4	54·1	37·8	77	1893	23	1888	15	36	1·43	4·97	36
	LONDON (Kew Obsy.)	1016·2	43·2	55·0	39·5	80	1893	27	1887, 91, 11	13	37	1·45	5·23	38
MAY.	Lerwick	1013·7	44·6	49·9	40·5	63	1895	28	1909	18	53	2·09	—	—
	Stornoway	1013·7	46·9	53·7	41·3	75	1908	26	1906	19	65	2·56	6·16	37
	Castlebay (Barra Isd.)	[1014·5]§	[48·2]§	[53·2]§	[44·9]§	[73]§	[1911]§	[32]§	[1909]§	[17]§	[54]§	[2·11]§	[7·23]§	[44]§
	Eskdalemuir	[1016·3]¶	[45·3]¶	[55·7]‖	[38·5]‖	[73]‖	[1915]‖	[23]‖	[1915]‖	[15]‖	[72]‖	[2·85]‖	[5·32]‖	[33]‖
	Malin Head	1013·1	47·6	[54·1]*	[45·0]*	[73]*	[1908]*	[35]*	[1886, 91, 97* 1904, 06, 10]	[17]*	[50]*	[1·98]*	—	—
	Blacksod Point	1013·6	49·7	[55·9]*	[45·8]*	[75]*	[1890, 1911]*	[34]*	[1910]*	[19]*	[72]*	[2·82]*	—	—
	Valencia	1014·3	50·6	57·9	46·5	74	1884, 95, 97	34	1885, 96	18	81	3·17	6·55	42
	Roche's Point	1015·0	50·2	57·4	46·5	73	1896	35	1909	15	62	2·43	—	—
	Birr Castle	1014·5	48·7	59·8	42·7	77	1881, 95, 1911	29	1885, 91, 1909, 14	16	57	2·24	5·87	37
	Donaghadee	1014·7	47·5	55·8	44·4	70	1896, 1911	33	1884, 85, 97, 1909	16	58	2·27	—	—
	Liverpool (Observatory)	1015·2	49·2	58·2	45·3	80	1895	30	1883	15	48	1·90	[6·84]§	[43]§
	Holyhead	1014·8	49·9	56·0	45·6	74	1895	37	1894, 1903, 07, 09	14	50	1·96	[7·10]**	[45]**
	Pembroke (St. Ann's Hd.)	1014·7	49·8	55·2	46·1	72	1890, 1910, 11, 15	36	1883, 87, 1904 05, 06, 10	14	49	1·91	6·97	45
	Scilly (St. Mary's)	1014·9	51·0	56·8	48·2	68	1911	38	1883	13	42	1·67	7·35	48
	Falmouth	1015·6	51·5	57·7	47·0	75	1915	36	1885, 1892	14	56	2·21	7·45	49
	Jersey (St. Aubin's)	1015·9	53·1	60·2	48·1	80	1913	35	1905, 06	13	46	1·82	7·81	51
	Portland Bill	1015·2	50·8	56·9	46·8	[74]†	[1911, 15]†	[36]†	[1900, 02]†	11	40	1·59	—	—
	Dungeness	1015·0	51·2	57·8	46·1	76	1892, 1913	30	1892, 1902	11	33	1·30	—	—
	Dover	[1016·5]§	[52·2]§	[59·6]§	[46·0]§	[77]§	[1909, 13]§	[35]§	[1909, 10]§	[11]§	[35]§	[1·39]§	[7·94]§	[52]§
	Wick	1013·8	45·9	53·4	40·8	71	1891	27	1886, 1902, 09	18	53	2·07	—	—
	Nairn	1013·8	46·7	56·8	40·7	78	1888	26	1894, 1914	17	46	1·80	[5·71]‡	[35]‡
	Aberdeen	1014·6	47·8	54·5	41·8	75	1902	29	1884, 91	17	59	2·33	6·03	37
	Leith	1014·5	48·2	57·3	42·8	81	1881	27	1883	14	46	1·83	—	—
	Tynemouth	1015·0	48·0	54·9	42·4	73	1903, 11	29	1891, 1909	14	51	1·99	—	—
	Spurn Head	1014·9	49·4	55·1	45·0	76	1913	34	1891	12	39	1·55	[5·74]**	[36]**
	Yarmouth	1015·3	50·4	55·9	45·2	81	1912	32	1891, 92	13	44	1·73	[7·48]§	[48]§
	Clacton-on-Sea	1015·4	51·3	57·5	45·5	[75]‡	[1909, 13]‡	[31]‡	[1902]‡	11	34	1·34	7·52	49
	Nottingham	1015·4	49·4	60·4	43·2	82	1895	27	1881, 1905	15	48	1·89	5·87	37
	LONDON (Kew Obsy.)	1015·8	51·1	61·7	45·0	84	1895	31	1886, 1892	12	44	1·72	6·48	42
JUNE.	Lerwick	1013·6	48·7	53·9	45·0	70	1891	33	1888	15	45	1·78	—	—
	Stornoway	1014·3	51·5	58·4	46·4	78	1911	31	1888	17	59	2·32	5·93	33
	Castlebay (Barra Isd.)	[1015·0]§	[52·2]§	[57·2]§	[49·2]§	[71]§	[1908, 10]§	[41]§	[1913]§	[16]§	[49]§	[1·91]§	[6·37]§	[36]§
	Eskdalemuir	[1015·2]¶	[51·1]¶	[61·2]‖	[43·9]‖	[78]‖	[1911]‖	[30]‖	[1914]‖	[15]‖	[77]‖	[3·05]‖	[5·63]‖	[33]‖
	Malin Head	1014·1	52·0	[58·7]*	[49·7]*	[78]*	[1905]*	[40]*	[1902, 07]*	[16]*	[54]*	[2·14]*	—	—
	Blacksod Point	1015·2	53·9	[60·6]*	[50·8]*	[82]*	[1887]*	[39]*	[1912]*	[17]*	[71]*	[2·79]*	—	—
	Valencia	1016·2	54·7	62·3	51·1	81	1887, 1902	37	1912	17	81	3·20	6·27	38
	Roche's Point	1016·4	54·5	62·4	51·3	80	1887	39	1912	14	68	2·67	—	—
	Birr Castle	1015·7	53·2	64·9	48·4	85	1887	32	1881	15	59	2·31	5·47	33
	Donaghadee	1015·2	51·8	60·7	49·3	77	1887	37	1885	15	59	2·33	—	—
	Liverpool (Observatory)	1015·6	54·0	63·6	51·0	85	1893	40	1903, 07	14	56	2·20	[7·00]§	[42]§
	Holyhead	1015·5	54·2	61·0	50·6	78	1888, 96	42	1881, 1912	13	55	2·15	[7·17]**	[43]**
	Pembroke (St. Ann's Hd.)	1015·8	53·4	60·0	51·3	79	1893	38	1888	13	50	1·98	7·27	44
	Scilly (St. Mary's)	1016·4	54·9	61·4	53·0	75	1893	41	1888	13	43	1·71	7·73	48
	Falmouth	1017·0	55·5	62·8	52·0	80	1893	42	1914	13	59	2·31	7·37	46
	Jersey (St. Aubin's)	1017·6	57·2	64·8	53·0	84	1893	39	1890	12	54	2·11	7·90	49
	Portland Bill	1016·2	55·0	61·6	52·2	[78]†	[1903]†	[43]†	[1903]†	10	34	1·33	—	—
	Dungeness	1015·8	56·2	62·8	51·7	76	1897, 1902, 03, 08, 14	37	1890, 91, 92, 93, 1909	11	40	1·56	—	—
	Dover	[1016·1]§	[56·8]§	[63·6]§	[50·3]§	[82]§	[1915]§	[38]§	[1911]§	[12]§	[54]§	[2·11]§	[7·57]§	[47]§
	Wick	1014·0	50·2	58·0	45·5	77	1887, 92	30	1881, 1903	16	46	1·80	—	—
	Nairn	1014·1	52·0	62·1	46·2	84	1888	30	1888, 1903	15	45	1·76	[5·57]‡	[32]‡
	Aberdeen	1014·7	53·0	59·9	47·0	80	1881, 87	30	1888	15	43	1·71	6·13	35
	Leith	101[illegible]·7	53·5	62·9	48·4	86	1887	34	1886	13	44	1·73	—	—
	Tynemouth	10[illegible]·1	53·2	60·7	47·8	80	1897	36	1907, 09	13	50	1·98	—	—
	Spurn Head	1015·0	54·4	60·9	50·6	83	1914	34	1881	12	39	1·53	[6·77]**	[41]**
	Yarmouth	1015·5	55·3	62·0	51·1	81	1888	37	1898	12	45	1·77	[7·27]§	[44]§
	Clacton-on-Sea	1015·9	56·1	63·5	50·9	[78]‡	[1903]‡	[38]‡	[1902]‡	10	40	1·58	7·33	45
	Nottingham	1015·6	54·2	66·7	48·8	88	1883	33	1906	13	49	1·93	5·87	35
	LONDON (Kew Obsy.)	1016·4	55·7	67·6	50·8	87	1900	38	1890, 92, 96	12	55	2·15	6·57	40

* 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.

AIR MINISTRY.

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 JUNE, 1923.

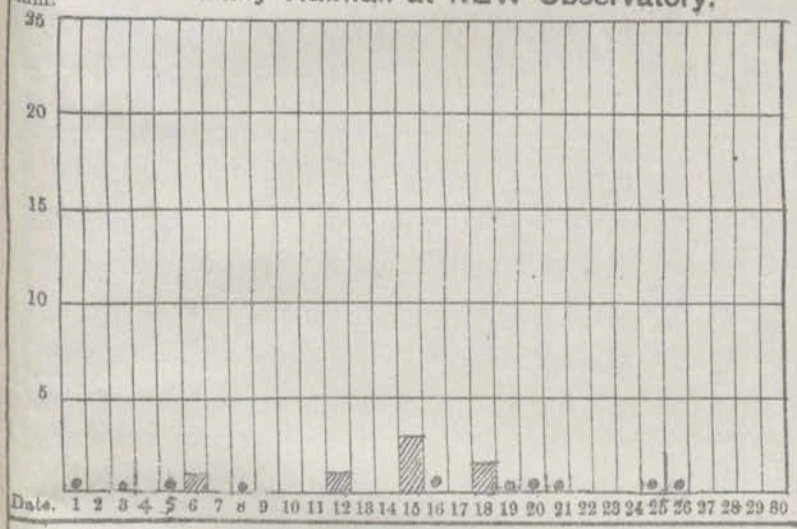
Cool, cloudy weather so prevalent during the last three weeks of May, characterised the greater part of June also. After the first week there was a tendency for the air supply to be drawn, in part at least, from a more southerly source with a consequent rise of temperature but in the rear of depressions passing towards Scandinavia the anticyclone off the Southwest of Ireland spread repeatedly northwards so that the winds over the British Isles were frequently northwesterly in direction.

Such dull, cool weather, though certainly abnormal for June was not unprecedented. In June 1909 the total amount of sunshine recorded at Kew was only 105 hours, 13 hours less than in the month just ended and temperature was on a rough average about 1° lower. June 1916 was even slightly colder but not quite so dull with a total of 142 hours sunshine but in neither of these two cases was there combined with the lack of warmth and sunshine a shortage also of rainfall. During the last fifty years only twice previously, in 1895 and 1921, has the total rainfall in June been as low as 6 mm. at Kew. At Southampton (Calshot) and Liverpool (Bidston) the totals were similarly small: 7 mm. and 8 mm. respectively while all the English stations included in this summary recorded less than 25 mm. (= 1 in.)

Widespread gales or high winds from between SW. and NW. occurred on the 10th and 13th. Rather thick fog was experienced at Scilly on the 9th. and 15th., also at Shoeburyness on the 27th.

The general conditions were not favourable for the development of thunderstorms.

Daily Rainfall at KEW Observatory.



TEMPERATURE.

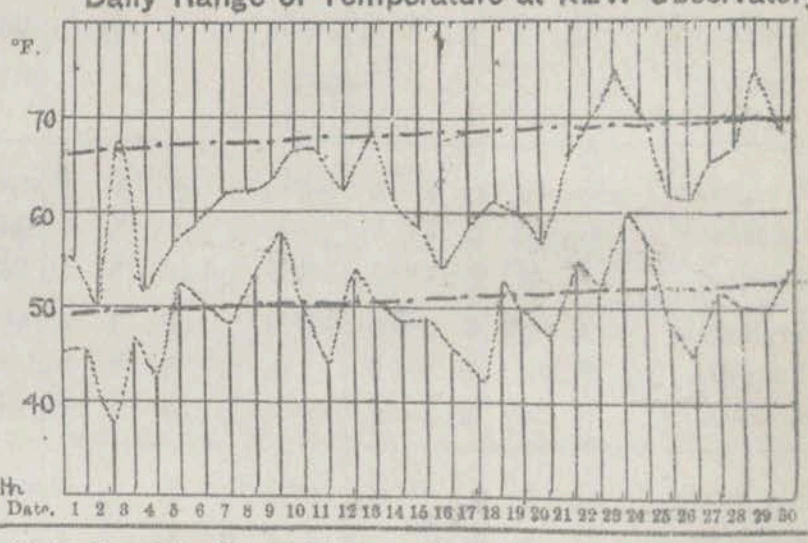
The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

RAINFALL.

• = less than 0.5 mm.

Total for month 6 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	1	4	21	4	0	0	0	0	0	0	0	1	1	8	16	4	0	0	0	0	0	0	2	8	18	2	0	0	0	0	0	0	0	17	9	4	0
Aberdeen	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	3	5	22	0	0	0	0	0	0	0	2	7	21	0	0	0	0	0	0	1	3	5	21	0
Edinburgh (Inchkeith) ...	0	0	0	0	0	0	0	5	24	1	0	0	0	0	1	0	6	6	16	1	0	0	0	0	0	0	2	7	20	1	0	0	0	1	1	0	0	8	20	0
Renfrew	*	*	*	*	*	*	*	*	*	*	0	0	0	0	2	3	14	3	8	0	0	0	0	0	0	0	5	4	21	0	0	0	0	0	0	0	6	1	22	1
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	4	7	10	9	0	0	0	0	0	0	2	6	16	6	0	0	1	0	0	0	2	6	15	6	0
Birr Castle	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	18	7	5	0	0	0	0	0	0	0	2	9	19	0	0	0	0	0	0	0	4	13	13	0
Valencia (Cahirciveen) ...	*	*	*	*	*	*	*	*	*	*																														
Tynemouth	0	0	0	0	0	0	17	13	0	0	0	1	0	0	2	0	18	9	0	0	0	0	0	0	0	1	13	13	3	0	0	0	0	0	0	0	14	13	3	0
Holyhead	0	0	0	0	1	0	1	8	20	0	0	0	0	1	0	0	2	11	16	0	0	0	0	0	0	3	6	7	11	3	0	0	1	0	1	1	1	5	11	10
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	0	0	0	0	1	2	9	11	3	4	0	0	0	0	0	0	7	11	11	1	0	0	0	0	0	1	3	13	9	4
Nottingham	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	8	8	12	2	0	0	0	0	0	0	1	4	17	8	0	0	0	0	0	1	4	4	15	6	0
Cranwell	0	0	0	1	0	0	12	14	3	0	0	0	0	0	0	3	13	13	1	0	0	0	0	0	0	0	13	9	8	0	0	0	0	0	0	0	8	8	14	0
Gorleston	0	0	0	0	0	1	4	23	2	0	0	0	0	0	0	2	20	8	0	0	0	0	0	0	0	0	11	19	0	0	0	0	0	0	0	1	12	17	0	0
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	0	1	0	0	0	1	4	3	15	6	0	0	0	0	0	0	4	4	13	9	0	0	0	0	0	0	4	3	15	8
Benson	*	*	*	*	*	*	*	*	*	*	0	0	0	2	0	0	6	8	13	1	0	0	0	0	0	0	7	11	8	4	0	0	0	0	0	0	5	7	14	4
London (Kew Obs.)	*	*	*	*	*	*	*	*	*	*	0	0	0	0	2	2	14	7	5	0	0	0	0	0	0	0	6	6	18	0	0	0	0	0	1	0	6	10	13	0
Croydon	0	0	0	0	0	4	18	7	1	0	0	0	0	0	1	1	14	8	6	0	0	0	0	0	1	1	9	5	14	0	0	0	0	1	0	3	7	8	10	1
Grain	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	5	8	12	3	2	0	0	0	0	0	1	4	14	11	0	0	0	0	0	0	0	4	10	15	1
Lympne	0	0	1	0	1	2	7	15	4	0	0	0	0	0	1	4	10	9	5	1	0	1	0	0	0	1	6	8	14	0	0	0	0	0	0	0	8	11	10	1
Falmouth (Pendennis) ...	0	0	0	0	0	2	4	9	15	0	0	0	1	0	0	0	3	8	18	0	0	0	0	0	0	0	3	5	21	1	0	0	0	0	0	1	3	5	21	0
Southampton (Calshot) ...	0	0	0	0	0	1	1	9	19	0	0	0	0	0	1	0	10	12	7	0	0	0	0	0	0	2	6	6	16	0	0	0	0	0	0	2	6	6	16	0

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

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

SUMMARY OF RECORDS OF TEMPERATURE, SUNSHINE,

Equivalents of Temperature. A°.	F°.
263·6	16
268·0	23
268·6	24
273·0	32
273·6	33
278·0	41
278·6	42
283·0	60

	Temperature. Number of daily readings within fixed limits. † Maximum. 42 — 50	51 — 59	60 — 68	69 — 77	78 — 86	Normal Max. °F.	† Minimum. 24 — 32	33 — 41	42 — 50	51 — 59	60 — 68	Normal Min. °F.	Extremes—Warmest and Coldest. Days. Highest Max. °F.	Date.	Lowest Max. °F.	Date.	Nights. Highest Min. °F.	Date.	Lowest Min. °F.	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.
Stornoway ...	7	23	0	0	0	58·4	0	6	22	2	0	46·4	59	23	47	15	52	23	34	15	*	20	8	0	24	4	0	22	8	0
Aberdeen ...	2	16	11	1	0	60·2	0	7	15	8	0	47·0	73	23	49	24	56	23	37	15	2	0	26	0	0	26	1	0	27	1
Edinburgh ... (Inchkeith)	1	20	9	0	0	*	0	0	21	9	0	*	67	18, 28	49	15	53	22, 24	42	5, 15	0	*	*	*	*	*	*	*	*	*
Renfrew	0	16	12	2	0	*	1	4	16	9	0	*	71	2	54	5, 15	54	22	31	17	5	2	21	2	4	16	9	4	19	3
Eskdalemuir ...	1	17	11	1	0	*	3	11	13	3	0	*	69	18	50	8	52	28	29	17	4	7	19	0	4	26	0	4	26	0
Dublin ... ... (Phœnix Park)	0	6	22	2	0	63·8	0	3	16	11	0	46·9	71	23	54	1	55	24	34	2	0	*	*	*	*	*	*	*	*	*
Birr Castle ...	0	8	21	1	0	64·9	0	1	16	13	0	48·4	69	23	57	1, 5, 6, 12, 16, 17	55	24	39	2	0	3	27	0	1	28	0	0	30	0
Valencia ... ... (Cahirciveen)						62·3						51·1																		
Tynemouth	2	14	11	2	0	60·7	0	2	21	7	0	47·8	74	23	48	4	56	23	41	5, 17	0	4	20	1	1	26	0	5	18	1
Holyhead ...	0	24	6	0	0	61·0	0	0	17	13	0	50·6	66	23	51	3	55	22, 24	48	17	0	6	24	0	10	18	1	4	21	3
Liverpool ... (Bidston)	0	23	7	0	0	63·6	0	0	21	9	0	51·0	67	23	52	3	54	10, 22, 23, 24	46	1, 2, 4, 5, 12, 17	0	0	28	0	2	28	0	2	24	0
Nottingham ...	0	12	15	3	0	66·7	0	2	19	9	0	48·8	73	29	51	1, 4	57	10	40	3	0	2	23	0	0	30	0	0	24	0
Cranwell	1	13	14	2	0	*	0	5	18	7	0	*	71	23	49	4	57	10	37	3	1	17	5	1	1	28	0	1	25	0
Gorleston ...	1	15	10	4	0	62·0	0	3	19	8	0	51·1	75	23	50	2	57	10	38	3	0	0	14	6	0	21	7	0	11	12
Ross-on-Wye ...	0	6	21	3	0	68·7	0	2	18	10	0	49·1	76	29	54	1	56	19, 22	39	3	0	2	24	2	0	25	3	0	27	1
Benson	1	9	13	6	1	*	0	9	14	7	0	*	78	29	45	7	56	10	33	3	2	*	*	*	*	*	*	*	*	*
London ... ... (Kew Obsy.)	0	9	15	6	0	67·6	0	1	18	10	1	50·8	75	23, 29	52	4	60	24	38	3	1	0	24	0	0	28	1	0	26	3
Croydon	0	11	13	6	0	*	0	3	18	9	0	*	76	23	51	4	57	24, 25	36	3	1	9	12	4	2	26	1	3	25	1
Grain	0	12	14	4	0	*	0	4	19	7	0	*	76	23	53	1, 2, 6	57	10, 25	35	3	1	3	16	3	23	4	0	23	3	1
Lympne	0	18	7	5	0	*	0	5	21	4	0	*	71	24	52	2	55	24, 25	39	17	1	9	11	2	7	21	1	6	17	3
Southampton ... (Calshot)	0	9	16	5	0	*	0	1	17	12	0	*	73	22, 23	56	1, 2, 15	57	25	41	3	0	4	16	3	3	25	0	1	23	4
Falmouth ... (Pendennis)	0	13	17	0	0	*	0	0	13	17	0	*	68	24, 28, 29	54	1	56	26	45	3, 4	*	1	16	8	1	19	9	1	11	7

UPPER AIR TEMPERATURE.

Pressure.	Normal Height.	Normal Temperature.	Leuchars. Mean.	No. of Reports.	S. Farnborough Mean.	No. of Reports.	Andover. Mean.	No. of Reports.
mb.	feet.	°F.	°F.		°F.		°F.	
950	1550	52	29	2	48	14	51	2
850	4880	43	33	2	40	13	39	2
750	8170	33	24	2	29	7	39	2
650	11990	22	-	0	17	2	26	1
550	16110	7	-	0	-	0	-	0

UPPER WINDS.

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

Station. Height. Feet.	Renfrew. 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	36	8	20	8	-	-	24	7	16	1	-	-	67	16	35	16	-	-
5,000	11	4	6	1	-	-	11	4	6	1	-	-	28	1	24	3	-	-
10,000	1	-	-	-	1	-	3	-	3	-	-	-	0	-	-	-	-	-
15,000	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-

† 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, JUNE, 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.	3·1—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	16	6	1	3	14·2	14	1234	−25	94	−84	6	9	11	4	0	0	8	10	1103	−163	67	+8	0	0
Aberdeen ...	1	13	7	4	5	12·0	14	1094	−293	136	−48	13	11	6	0	0	0	25	30	827	+79	22	−21	0	0
Edinburgh ... (Inchkeith)	1	7	9	5	8	13·7	11	1293	*	183	*	17	8	5	0	0	0	4	24	426	*	18	*	0	0
Renfrew	*	*	*	*	*	*	*	*	*	*	*	21	4	4	1	0	0	12	8	780	*	25	*	0	0
Eskdalemuir ...	2	12	6	6	4	14·6	11	1082	*	139	*	16	7	5	1	0	1	26	8	1281	*	53	*	0	0
Dublin ... ... (Phœnix Park)	4	10	8	5	3	12·4	11	1327	−180	125	−64	20	5	3	2	0	0	10	17	649	−56	29	−21	0	0
Birr Castle ...	4	12	6	5	3	11·4	2	*	*	113	−51	20	3	6	1	0	0	9	14	784	−45	24	−35	0	0
Valencia ... ... (Cahirciveen)								1167	−278	106	−82									*	*	?	?		
Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	17	8	4	1	0	0	6	12	1668	+47	22	−28	0	0
Holyhead ...	4	12	2	4	8	13·8	11, 29	1441	*	151	*	23	2	4	1	0	0	6	12	767	−121	18	−37	0	0
Liverpool ... (Bidston)	3	9	7	7	4	11·5	11	1291	*	138	*	22	6	2	0	0	0	2	25, 8	621	−88	8	−48	0	0
Nottingham ...	5	15	5	3	2	11·9	11	932	−393	92	−84	22	3	5	0	0	0	2	4, 5	648	+76	11	−38	0	0
Cranwell	2	8	10	4	6	12·8	11	1353	*	148	*	18	6	5	1	0	0	8	16, 3	665	*	19	*	0	0
Gorleston ...	1	7	11	5	6	12·7	26	1515	*	149	*	20	4	5	1	0	0	6	12	590	−32	22	−23	0	0
Ross-on-Wye ...	4	9	9	3	5	13·6	29	1252	*	140	*	23	5	1	1	0	0	6	15	710	−8	11	−44	0	0
Benson	*	*	*	*	*	*	*	*	*	*	*	22	4	4	0	0	0	4	15	648	*	12	*	0	0
London ... ... (Kew Obsy.)	3	13	7	4	3	14·3	23	1164	−311	118	−79	24	3	3	0	0	0	3	15	558	−48	6	−49	0	0
Croydon	4	13	6	4	3	13·6	23	1205	*	112	*	23	3	4	0	0	0	3	15	679	*	9	*	0	0
Grain	3	10	8	4	5	13·3	23	1352	*	134	*	20	5	5	0	0	0	4	25	488	*	16	*	0	0
Lympne	3	8	7	8	4	12·6	29	1491	*	141	*	20	3	7	0	0	0	5	15	737	*	22	*	0	0
Southampton ... (Calshot)	5	6	5	7	7	13·7	29	1492	*	160	*	27	2	0	1	0	0	5	15	604	*	7	*	0	0
Falmouth ... Observatory	3	3	4	8	12	14·8	29	1548	−211	220	−1	20	4	5	0	0	0	4	8	1178	+71	?11	−48	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 ...	0	0	1	3	9	11	6	0	0
Renfrew	0	0	3	8	8	9	2	0	0
Eskdalemuir ...	0	0	2	7	9	8	4	0	0
Valencia	0	1	6	14	9	0	0	0	0
Benson	0	0	1	5	10	11	3	0	0
London ... ... (Kew Obsy.)	0	0	1	4	2	16	7	0	0
Falmouth ...	0	2	2	4	16	6	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 ...	27	3	0	0	0	0	0	0	0	0
Renfrew	23	4	3	0	0	0	0	0	0	0
Eskdalemuir ...	24	6	0	0	0	0	0	0	0	0
Valencia ...	22	8	0	0	0	0	0	0	0	0
Benson	24	6	0	0	0	0	0	0	0	0
London ... ... (Kew Obsy.)	20	10	0	0	0	0	0	0	0	0
Falmouth ...	29	1	0	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).

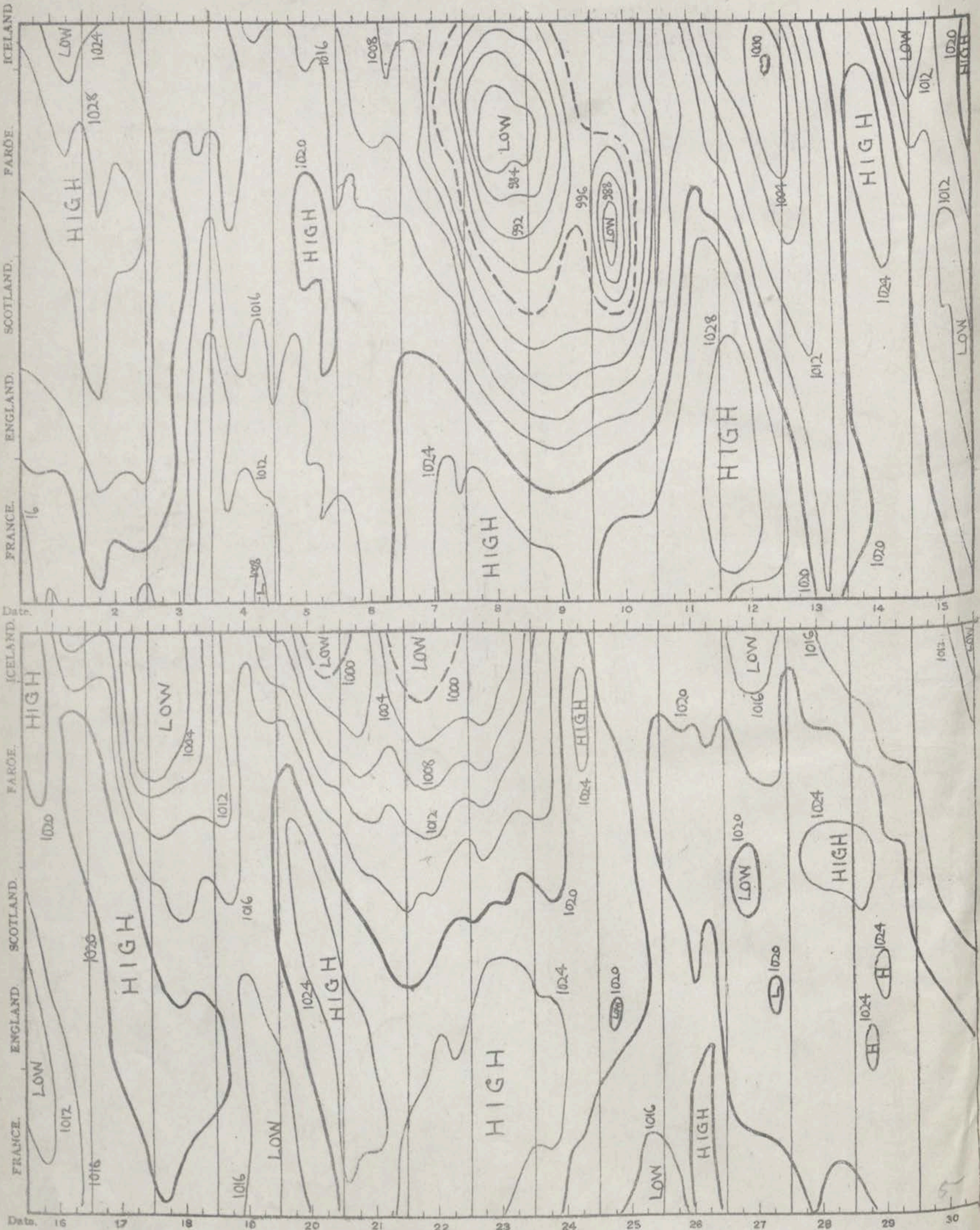
The diagram is obtained by drawing a line from Akureyri in Iceland to the South of France, near Marseilles. The points at which the isobars drawn for 4 mb pressure intervals intersect this line at 1h., 7h., 13h. and 18h. are plotted consecutively and joined to show the variation of pressure from day to day at any point in the line. The line terminates at Lat. 66° 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 .... JUNE, ... 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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.7747I FRIDAY 1st JUNE 1923.

Observations at 1300 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 Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Upper Form.	Total Amt. 0–10	State of ground.
Lerwick	1025·2	+2	NW	3	c–	50	75	8	–	–	0	ACu	7	•
Stornoway	1027·3	0	–	0	o+	50	85	7	1500	St	10	–	10	•
Wick	1026·6	–1	SSW	2	c–	50	92	8	5700	StCu	8	–	8	•
Castlebay	1027·0	0	NW	3	bc	54	75	8	4000	StCu	6	–	6	•
Nairn	•	•	•	•	•	•	•							•
Aberdeen	1027·1	0	NE'E	3	o	51	85	8	2500	StCu	9	–	9	0
Malin Head	1025·6	0	N	2	c⊕	51	92	8	1500	St	2	CiSt	7	•
Renfrew	1026·9	0	ENE	3	o	50	75	7	4000	StCu	10	–	10	0
Edinburgh (Inchkeith)	1026·6	0	ESE	3	c–	48	92	8	–	Cu	4	Ci	7	•
Leuchars	1025·6	0	ENE	2	o	49	85	8	1500	StCu	10	–	10	0
Eskdalemuir	1026·0	0	NE	4	o	46	75	8	2500	StCu	10	–	10	0
Tynemouth	1025·2	0	NNW	2	c	49	75	7	4000	StCu	8	–	8	•
Blacksod Point	1022·6	+2	N	4	o	55	65	7	–	–	0	ASt	10	•
Donaghadee	1026·0	0	NE	2	o+	50	85	8	–	–	0	ASt	10	•
Birr Castle	1024·6	–	ENE	2	o+	59	65	6	4000	StCu	9	–	9	•
Holyhead	1024·2	–1	NE'N	5	c+	50	75	8	4000	StCu	8	–	8	0
Liverpool (Bidston)	1023·8	–1	NE'N	3	o	51	65	6	1500	CuNb	9	–	9	•
Chester (Shotwick)	1023·7	–1	NE	3	bc–	54	65	5	4000	Cu	4	–	4	5
Spurn Head	1023·9	0	NNE	4	o	50	85	8	2500	CuNb	10	–	10	•
Birmingham (Edgbaston)	1023·5	0	ENE	4	o	48	85	4	4000	St	10	–	10	1
Nottingham	1023·3	0	NE	3	o	50	92	7	1500	StCu	10	–	10	•
Cranwell	1023·0	–1	NNE	3	o	49	75	6	1500	StCu	10	–	10	0
Gorleston	1022·0	0	N'E	4	o	49	75	7	4000	StCu	10	–	10	•
Valencia (Cahirciveen)	1023·0	+1	NE'E	3	b1+	62	65	6	2500	Cu	3	–	3	0
Roches Point														•
Pembroke (St. Ann's H.)	1021·5	0	ESE	3	b1	54	85	7	4000	Cu	3	–	3	•
Ross-on-Wye	1022·1	–1	E	3	c–	51	75	6	4000	Cu	8	–	8	0
Benson	1022·1	–1	NNE	4	o	49	85	7	*	St	10	·	10	1
Andover	1021·5	0	NE'E	4	o–	50	75	7	800	St	10	–	10	0
S. Farnborough	1021·6	–1	NE	3	mmo	49	75	6	1500	St	10	–	10	1
London (Kew Obsy.)	1021·9	–1	NE	4	o	50	75	6	2500	StCu	10	–	10	1
Croydon	1021·7	–2	NE	3	o	48	75	6	800	StCu	10	–	10	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•		•	•
Shoeburyness	1020·7	0	NE	4	o	51	75	8	2500	StCu	8	ASt	10	✱
Grain	1021·7	–1	NE	4	o	51	75	8	2500	StCu	10	–	10	1
Lympne	1020·5	–2	NNE	5	o	49	85	8	1500	StCu	10	–	10	0
Scilly (St. Mary's)	1018·0	0	E'N	4	bc–	58	75	6	4000	Cu	4	CiCu	6	•
Falmouth (Pendennis)	1019·7	0	E	5	b–	58	85	7	4000	Cu	3	–	3	•
Plymouth (Cattewater)	1018·4	–2	ENE	4	bc–	57	75	7	–	–	0	Ci	4	0
Portland Bill	1019·8	+1	ENE	4	o+	52	75	6	1500	St	10	–	10	•
Southampton (Calshot)	1020·7	–2	NE'E	5	mo+	52	75	5	1500	St	10	–	10	0
Dungeness	1020·6	0	E	5	o	53	75	7	4000	StCu	10	–	10	•
Jersey	1015·4	0	ENE	6	c	56	75	8	4000	StCu	8	·	8	•

Observations at 1800 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 Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Upper Form.	Total Amt. 0–10	Sea. 0–9
Lerwick	1024·2	–2	NNW	2	o	49	85	7	5700	StCu	5	ASt	10	1
Stornoway	1027·1	0	–	0	o	49	85	7	1500	St	10	·	10	0
Wick	1025·7	–1	NNW	1	b	50	92	8	4000	Cu	2	CiSt	3	0
Castlebay	1026·4	0	NNW	4	b–	51	75	8	4000	StCu	1	·	1	3
Nairn	1025·5	✱	–	0	b–	56	55	9	–	–	0	ACu	3	•
Aberdeen	1026·5	0	NE'E	3	b–	50	85	7	1500	St	1	·	1	0
Malin Head	1025·8	0	ENE	3	o	49	92	8	2500	StCu	9	·	9	0
Renfrew	1025·8	–2	NE	2	o–	51	75	6	2500	StCu	10	·	10	•
Edinburgh (Inchkeith)	1025·5	–1	E	3	o+	47	92	8	*	StCu	10	·	10	2
Leuchars	1025·8	0	E	1	o	47	85	6	800	St	10	·	10	•
Eskdalemuir	1024·8	–1	NE	4	o	46	85	8	2500	StCu	10	·	10	•
Tynemouth	1024·1	–2	NNW	2	ofo	47	97	6	800	Nb	10	·	10	1
Blacksod Point	1024·8	–2	N	3	c	53	75	8	·	·	0	CiCu	8	6
Donaghadee	1024·2	–2	E	1	o	50	85	8	·	·	0	ASt	10	3
Birr Castle	1022·7	*	SE	2	o	55	66	7	4000	StCu	9	·	9	•
Holyhead	1021·7	–3	NE'E	5	b	50	85	8	·	·	0	·	0	5
Liverpool (Bidston)	1022·1	–2	NE'E	4	o	53	65	5	2500	St	10	·	10	4
Chester (Shotwick)	1021·9	–1	NE	3	o	51	75	4	4000	StCu	10	·	10	•
Spurn Head	1022·9	–1	N	4	o+	47	92	8	1500	StCu	10	·	10	3
Birmingham (Edgbaston)	1021·3	–1	ENE	4	o	49	75	4	2500	St	10	·	10	•
Nottingham	1021·6	–1	NE	4	o	46	85	7	2500	StCu	10	·	10	•
Cranwell	1022·6	–2	N'E	3	o	47	85	6	2500	StCu	10	·	10	•
Gorleston	1021·1	–1	NNE	4	o	48	85	7	4000	Nb	10	·	10	0
Valencia (Cahirciveen)	1021·7	–1	N	4	b	60	65	6	2500	Cu	2	·	2	3
Roches Point														
Pembroke (St. Ann's H.)	1019·1	–2	NNE	4	b	54	65	7	4000	StCu	1	Ci	3	3
Ross-on-Wye	1020·2	–2	ENE	3	o	51	65	7	2500	StCu	10	·	10	•
Benson	1019·3	–3	NNE	3	o·	50	75	8	*	St	9	·	9	•
Andover	1018·9	–2	NE'E	4	o–	52	75	7	2500	StCu	9	·	9	•
S. Farnborough	1018·8	–3	NE'N	3	mmo	52	75	6	5700	StCu	10	·	10	•
London (Kew Obsy.)	1019·5	–2	NE	3	o	53	65	6	2500	StCu	10	·	10	•
Croydon	1019·4	–2	ENE	3	o	50	85	6	800	St	10	·	10	•
Clacton-on-Sea	1019·9	–1	NE	4	o	51	85	7	800	StCu	10	·	10	2
Shoeburyness	1019·6	–2	NE	4	o–	50	75	8	4000	StCu	8	ACu	9	✱
Grain	1019·1	–3	NE	6	o	50	85	8	1500	St	8	ACu	10	3
Lympne	1019·1	–1	NNE	5	o	48	85	8	1500	St	10	·	10	•
Scilly (St. Mary's)	1017·1	–1	E'N	5	b–	54	85	6	4000	StCu	2	·	2	4
Falmouth (Pendennis)	1016·5	–2	E	4	b	52	85	7	2500	Cu	2	·	2	0
Plymouth (Cattewater)	1016·8	0	ENE	3	o	54	75	7	·	·	0	CiSt	9	0
Portland Bill	1018·3	–3	ENE	5	o	53	75	6	–	–	0	ASt	6	4
Southampton (Calshot)	1018·4	–2	NE'E	5	mmo	53	75	5	2500	StCu	10	·	10	3
Dungeness	1018·5	–1	E	5	o	51	75	7	1500	St	7	CiSt	10	5
Jersey	1015·3	0	ENE	6	o	54	85	8	4000	StCu	10	·	10	6

LONDON OBSERVATIONS. (Weather and Temperature: 24 hours ended 0900 G.M.T. 1st)

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)	omoz	ozccz	omto	*	*	45	–	–	0·2	*	*
Croydon (24 hours ended 0700)	om	ozm	omdd	*	*	45	–	tr	0·0	*	*
Greenwich (Royal Obsy.)	o	o	od	56	45	45	–	–	0·0	68	85
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·1	*	*
Westminster (St. James' Pk.)	*	*	*	55	46	46	–	–	0·3	66	81
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	0·3	*	*
Camden Square	o	oco	*	56	46	47	–	–	*	*	88
Kensington Palace	o	o	*	55	46	46	–	–	*	75 (18h)	83
Hampstead Observatory	*	*	*	54	44	42	–	tr	0·7	*	87

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1600 G.M.T. 31st

	Max.	Time.	Min.	Time.
South Kensington	0·3	16–21h 30 31st	<0·3	1–5h 31st
	0·3	6–13h 31st		
Kew Observatory	0·4	17h 30 31st	<0·3	2h 31st
	0·4	11h 31st		

POLE STAR RECORD at Greenwich Obsy. Exposure from 31st May 21h 30m to 1st June 03h 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5·0	nil	nil
δ Ursae Minoris	5·0	nil	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.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C1C2	5	–	130
18h.	C1C2	7	–	120
01h.	C1C2	6	–	105
07h.	C1C2	6	–	100

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

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·38 / 3·37	11·51 / 11·51	8·4 / 8·5
Greenwich	3·51 / 3·50	11·58 / 11·58	8·5 / 8·6
Wick	3·17 / 3·16	12·10 / 12·10	9·2 / 9·4
Valencia	4·29 / 4·28	12·39 / 12·39	9·43 / 8·50

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.
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.
$r_o r_o$ = 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.

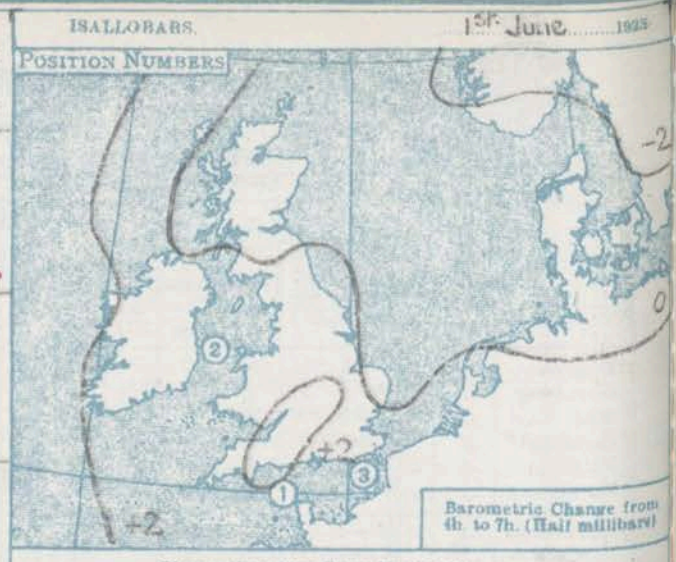
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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. § Visibility see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 31st	13h.-18h. 31st	18h. 31st to 1h. 1st	1h.-7h. 1st	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. 31st Hours.
Lerwick	c	o	omR	c	53	46	•	-	Trace	-	2100	3·6
Stornoway	c	oo	c	oo	52	46	•	-	-	-	-	2·9
Wick	oo	b-bc	oo	mid	53	45	•	-	Trace	-	0530	•
Castlebay	bcc	cb	bcb	bo	53	46	•	-	-	-	-	12·7
Nairn	cdbc	bcb	bbccg	cg	58	38	•	0·1	-	11·00	-	5·2
Aberdeen	odg	ocb	b	bom	51	41	34	Trace	-	2080	-	4·4
Malin Head	c	c	ooev	cobc	52	46	•	-	-	-	-	2·1
Renfrew	ozo	ooz	om	om	52	44	34	-	-	-	-	0·4
Edinburgh (Inchkeith)	c	c	oo	oo	50	44	35	-	-	-	-	0·8
Leuchars	odoo	oo		oo	51	41	28	Trace	-	2080	-	0·3
Eskdalemuir	od₀o	oo	oo	oo	49	41	42	Trace	-	11·00	-	0·0
Tynemouth	c	oo	oi₀	mid₀	50	45	44	0·2	1	1730	2100	•
Blacksod Point ...	bbc	b-bc		oo	53	47	•	-	-	-	-	•
Donaghadee	oo	o	c	bc	50	47	•	-	-	-	-	•
Birr Castle	coz	co	co	co	?	42	31	-	-	-	-	•
Holyhead	bbcc	cbcb	bbcco	oo	52	48	46	-	-	-	-	12·2
Liverpool (Bidston) ...	obccm	cm	om		53	46	43	-	-	-	-	2·7
Chester (Shotwick) ...	bcobcm	bccoz	ozm	omm	54	46	44	-	-	-	-	4·[illegible]
Spurn Head	c	c	oo	oid₀	52	45	•	-	Trace	-	0530	5·4
Birmingham (Edgbaston)	ocm	oo	com	oo	50	42	42	-	-	-	-	0·3
Nottingham	oo	oo	o	oo	54	45	44	-	-	-	-	0·0
Cranwell	oo	oo	oodm	oo	50	43	43	-	Trace	-	2400	0·6
Gorleston	oo	oo	oo	oo	51	47	46	-	-	-	-	0·0
Valencia (Cahirciveen)	bz	bzy	o	bbcz	65	44	41	-	-	-	-	14·0
Roches Point												
Pembroke (St. Ann's H.)	bbc	b-bc	c	c	61	45	•	-	-	-	-	13·4
Ross-on-Wye	coc	czoz	og	oo	53	45	44	-	-	-	-	3·9
Benson...	oo	o	oo	oo	53	45	45	-	-	-	-	•
Andover	og	o	o	o	53	45	44	-	-	-	-	1·5
S. Farnborough ...	om	oomm	oomm	oomm	53	46	46	-	-	-	-	0·4
London (Kew Obsy.) ...	omoz	ozccz	om	rom	54	46	45	-	-	-	-	0·2
Croydon	om	ozm	om	omdd₀	53	45	45	-	Trace	-	0230	0·0
Clacton-on-Sea ...	ogo	o	o	og	54	47	47	-	-	-	-	0·2
Shoeburyness	oo	oo	oid₀	o	53	46	46	-	Trace	-	2200	0·6
Grain	oo	oo	ooid₀	oi₀to	52	47	47	-	0·5	-	2200	0·2
Lympne	oo	oo	om	omto	52	47	46	-	0·3	-	0230	0·0
Scilly (St. Mary's) ...	ocm	cm	o	omm	59	47	•	-	3	-	0330	4·6
Falmouth (Pendennis)	obcm	bcm	bcm	bcomd	54	48	•	-	1	-	0330	8·7
Plymouth (Cattewater)	obc	bcbo	oo	oo	54	48	46	-	-	-	-	7·4
Portland Bill	c	c	oo	oo	61	48	•	-	-	-	-	•
Southampton (Calshot)	form	om	omm	om	54	48	43	-	-	-	-	0·4
Dungeness	oo	oo	oo	p	54	50	•	-	0·2	-	2200	•
Jersey	bcc	co	o	oito	55	52	•	-	4	-	2200	5·3



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	31st 1000	Hibernia	ENE	4	b	51	49	6
1	31st 1200	Reindeer	NE'E	7	o	50	52	5
3	1st 0300	Brighton	NE'E	4	o	51	53	6

GENERAL INFERENCE.

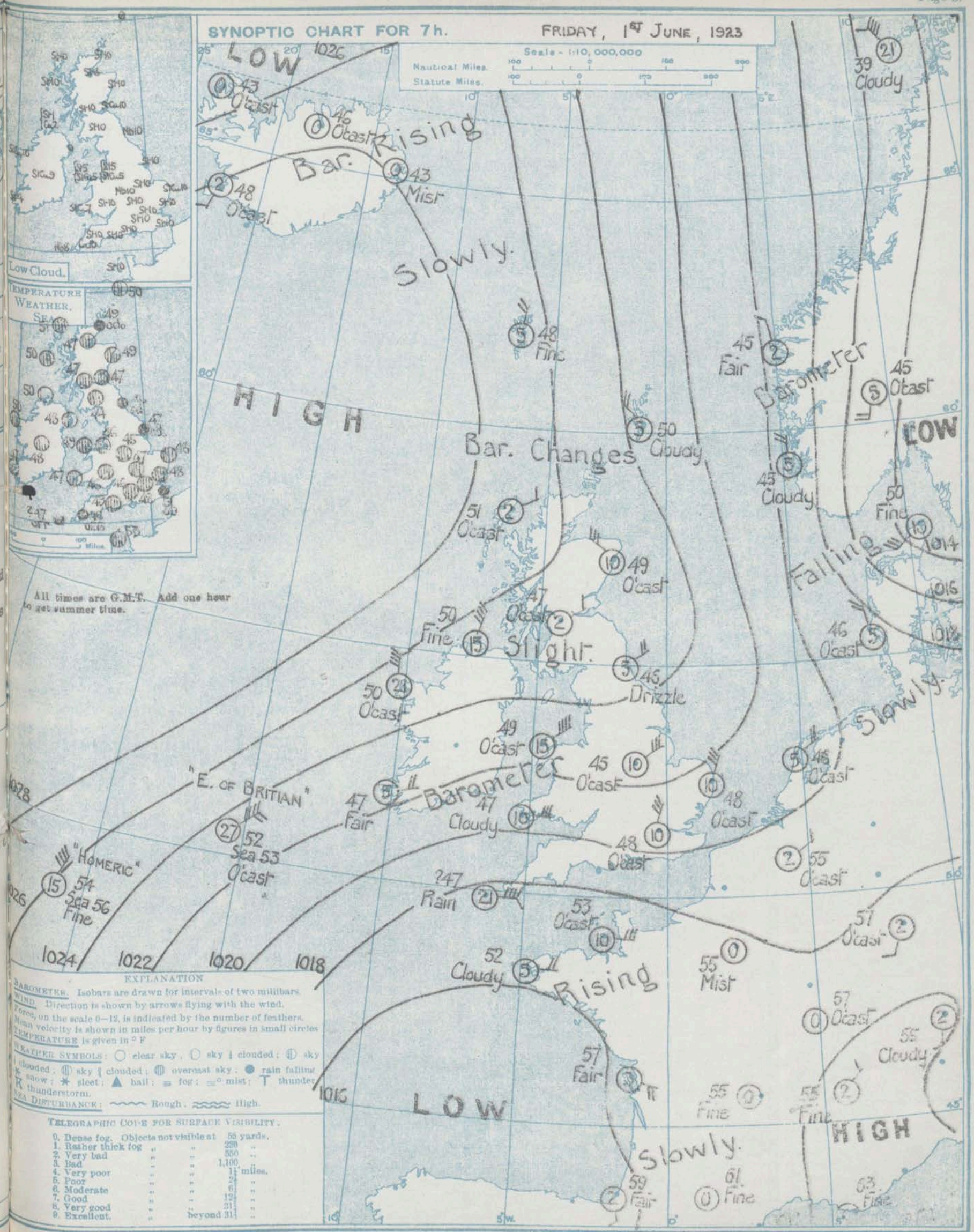
The large anticyclone off the Hebrides continues, and, with pressure falling over Southern Scandinavia, rather cold winds from between North and East will probably continue, with much cloud and local rain or drizzle near the east coast, but bright periods in most of the western districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday 1st June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Moderate or fresh NE. wind; mainly cloudy, with local rain or drizzle at times, occasional brighter periods; visibility moderate to good; rather cold.	Similar conditions likely to persist beyond the 24 hours. ----
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Moderate or fresh NE. to E. winds; much cloud at times, but bright periods; visibility good; moderate temperature.	
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland	Moderate N. to NE. winds; much cloud, local rain or drizzle at times; visibility moderate to good; rather cold.	
13. Isle of Man	As 4 - 8.	
14. N.& N.W. Scotland 15. Hebrides	Moderate N. to NE. winds; varying amount of cloud; visibility good; rather cold.	
16. Orkneys and Shetlands	As 9 - 12.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate NE. wind; varying amount of cloud; visibility good; moderate temperature.	

EVN

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION.....FRIDAY 1st JUNE.....1923. No. 152.

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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1022·3	-1	NW	2	odd	43	92	5	4000	Nb	9	-	9	•
Stornoway	1027·5	0	NE	2	0	•	•	5	•	•	•	•	•	•
Wick	1025·0	-1	NW	2	0	46	97	8	1500	St	6	a.St	9	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1025·6	0	N	3	0	49	97	8	4000	St.Cu	9	-	9	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1026·0	+1	ENE	1	0	45	97	8	-	St	4	a.St	9	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1024·8	0	NE	2	odd	45	97	6	800	Nb	10	-	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1022·5	-1	NE'E	4	0+	49	85	8	2500	St.Cu	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1022·1	0	N	3	0	47	92	7	2500	St.Cu	10	-	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1022·5	0	NNE	1	odd	44	92	6	1500	Nb	10	-	10	•
Gorleston	1020·9	0	NNE	4	0	48	85	7	4000	St.Cu	10	-	10	•
Valencia (Cahirciveen)	1022·5	0	NE	1	c+	52	97	8	-	St	7	-	7	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1019·9	0	NE	4	c	46	85	7	2500	St	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	1020·0	0	NE'N	3	0	46	92	6	800	St	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1015·3	0	NNE	4	0	47	85	5	450	St	10	-	10	•
Scilly (St. Mary's) ...	1017·5	0	E'N	4	0	51	85	7	4000	St.Cu	10	-	10	•
Falmouth (Pendennis)	1016·6	0	E	5	c+	51	75	6	4000	St.Cu	8	-	8	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1017·6	-2	ENE	3	0	50	85	7	2500	St	10	-	10	•
Southampton (Ca.shot)	1019·1	-1	NE'E	4	0	49	85	6	1500	St	10	-	10	•
Dungeness	1018·1	0	NE	4	odd	50	92	7	450	St	10	-	10	•
Jersey 7h }														•
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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1023·4	0	NW	2	c-	50	85	8	-	-	0	a.Cu	7	1
Stornoway	1026·7	0	NE	1	0	51	97	7	800	St	10	-	10	0
Wick	1024·6	-1	NW	2	odd	49	97	8	800	St	10	-	10	0
Castlebay	1027·3	0	N	2	0	50	92	8	800	St	10	-	10	1
Nairn	1026·1	•	-	0	c+	47	85	7	1500	St	8	-	8	•
Aberdeen	1025·7	0	NW	3	0	49	92	6	1500	St	10	-	10	0
Malin Head	1025·6	0	NNE	4	b-	50	92	8	2500	Cu	3	-	3	0
Renfrew	1025·8	0	NE	1	0	47	85	6	2500	St	10	-	10	•
Edinburgh (Inchkeith)	1025·6	-1	E	1	0	47	85	8	-	St.Cu	10	-	10	1
Leuchars	1025·3	0	-	0	0	48	85	7	1500	St.Cu	10	-	10	•
Eskdalemuir	1025·4	0	NE'N	4	0	44	85	6	1500	St	10	-	10	•
Tynemouth	1024·5	+1	NE	2	odd	46	85	6	1500	Nb	10	-	10	0
Blacksod Point ...	1025·5	+3	N	5	0	50	85	8	-	St.Cu	10	-	10	4
Donaghadee	1024·9	+1	NE	4	bc-	48	55	8	-	-	0	a.St	4	4
Birr Castle	1023·6	•	NE	1	0	48	85	7	4000	St.Cu	9	-	9	•
Holyhead	1022·9	+1	NE'E	4	0	49	85	8	2500	St	10	-	10	4
Liverpool (Bidston) ...	1023·2	+1	ENE	3	0	46	75	5	2500	St	10	-	10	4
Chester (Shotwick) ...	1023·2	+1	NE	2	0	47	75	6	1500	St	10	-	10	•
Spurn Head	1022·7	+1	N'E	4	odd	47	92	7	800	St	10	-	10	3
Birmingham (Edgbaston)	1023·0	+2	ENE	3	0	45	85	5	2500	St	10	-	10	•
Nottingham	1022·5	+1	NE	3	0	45	97	7	2500	Nb	10	-	10	•
Cranwell	1023·0	+2	NNE	3	0	45	92	7	800	St	10	-	10	•
Gorleston	1021·0	0	NNE	3	0	48	85	7	4000	St.Cu	10	-	10	0
Valencia (Cahirciveen)	1020·4	+2	ENE	2	bc+	47	85	7	2500	St	4	a.St	6	0
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1020·6	+1	E	3	c	47	85	7	2500	St.Cu	7	-	7	3
Ross-on-Wye	1021·5	+2	E'N	2	0	46	85	7	2500	St	10	-	10	•
Benson...	1020·9	+2	NNE	3	0	47	92	8	-	St	10	-	10	•
Andover	1020·6	+1	NE'N	3	0	46	92	7	800	St	10	-	10	•
S. Farnborough ...	1020·2	0	NE	3	0	46	97	6	1500	St	10	-	10	•
London (Kew Obsy.) ...	1020·5	+1	NNE	3	0	48	85	6	2500	St	10	-	10	•
Croydon	1020·6	+1	NNE	3	0/1	47	92	3	800	St	10	-	10	•
Clacton-on-Sea ...	1020·3	0	NNE	2	0	48	92	6	4000	St	10	-	10	0
Shoeburyness	1020·9	+1	NNE	2	0	48	85	7	1500	St.Cu	10	-	10	•
Grain	1020·3	+2	NNE	5	0	48	92	7	800	St	10	-	10	0
Lympne	1019·4	+1	NNE	4	odd	49	97	4	450	Nb	10	-	10	•
Scilly (St. Mary's) ...	1017·1	0	E	5	0/1	?	97	6	4000	Nb	8	a.St	10	5
Falmouth (Pendennis)	1017·9	+1	E	6	0/1	48	92	6	4000	Cu	10	-	10	0
Plymouth (Cattewater)	1018·6	+1	ENE	3	0/p	49	85	7	1500	St	10	-	10	0
Portland Bill	1019·1	+2	ENE	5	0	49	75	7	2500	St	10	-	10	4
Southampton (Ca.shot)	1019·7	+1	NE'N	4	0	49	85	6	1500	St	10	-	10	0
Dungeness	1018·6	+1	NE	4	oD	51	92	5	450	St	10	-	10	4
Jersey 7h }	1017·0	+1	E	3	0/1	53	92	6	1500	St	10	-	10	3
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 31st MAY

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 30th-31st °F.	Temperature. Max. Day. 31st °F.	Rainfall.† Night 17h.-9h. 30th-31st mm.	Rainfall.† Day 9h.-17h. 31st mm.	Sunshine. Sunrise to 17h. 31st hr.	Sunshine. Sunrise to Sunset. 30th hr.
Montrose	-	-	42	51	-	-	3·4	0·5
Llandudno	b	b	41	53	-	-	8·7	2·0
Colwyn Bay ...	bc	bc	40	53	-	-	8·5	1·5
Rhyl...	c.bc	bc.c	48	54	-	-	6·8	0·1
Southport	c.o.c	c.o	37	52	-	-	1·3	0·3
Blackpool	c.o	o.o	37	52	-	-	0·9	2·1
Ilkley	o.o	o.o	35	49	-	-	0·0	0·0
Harrogate	o.o	o.o	36	48	-	-	0·0	0·1
Skegness	o.o	o.o	44	53	-	-	1·2	5·9
Aberystwyth ...	o.bc	b	46	61	-	-	12·0	5·5
Bath	c.bco	oc.bc	45	54	-	-	3·6	9·0
Leamington Spa ...	o.o	o.o	37	51	-	-	1·0	5·9
Lowestoft	o.o	o.o	46	50	-	-	0·0	1·8
Felixstowe	o.c	c.o	45	54	-	-	0·5	5·8
Southend	o.o	o.o	44	54	-	-	0·3	1·5
Ilfracombe	b.bcb	b.bcb	47	56	-	-	9·1	8·6
Bude	o.bc	b.b	46	62	-	-	10·4	11·2
Penzance	o.c	c.bc	48	61	-	-	?	?
Paignton	o.o	o.bc.cq	50	55	-	-	3·0	8·8
Torquay	c	b	50	57	-	-	4·0	9·8
Weymouth	o.o	o.o	48	57	-	-	2·9	12·3
Bournemouth ...	o.o	bc	47	55	-	-	3·0	12·6
Portsmouth (S'thsea)	c.o	c.bc.o	47	55	-	-	2·0	13·5
Worthing	o	oco	47	54	-	-	0·5	14·5
Brighton	o.o	o.o	41	55	-	-	0·6	14·2
Eastbourne	o.o	o.o	48	54	-	-	0·0	13·0
Hastings	o.o	o.o	46	53	-	-	0·0	9·0
Folkestone	0·0	0·0	46	56	-	0·2	0·0	9·4
Tunbridge Wells ...	o.o	o.o	44	52	-	-	0·0	3·0
Ramsgate	o.o	o.o	45	55	-	-	0·0	1·7
Margate	o.o	o.o	47	50	-	-	0·0	0·0
Deal	o.o	o.o	47	51	-	-	0·1	0·5

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* 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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22472 SATURDAY 2nd JUNE 1923.

Observations at 1300 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	State of ground.
Lerwick	1025.0	+3	NW	3	c-	51	75	8	4000	Cu	2	ACu	7	•
Stornoway	1027.3	+1	NNE	2	o	55	85	7	800	St	10	—	10	•
Wick	1025.7	+2	NW	2	o	53	85	8	5700	StCu	8	ASt	10	•
Castlebay	1026.8	0	NW	4	c-	55	85	8	1500	St	6	ASt	7	•
Nairn	•	•	•	•	•	•	•							
Aberdeen	1025.4	0	NNW	3	o	57	85	8	1500	St	9	—	9	0
Malin Head	1025.8	+1	N	2	c	51	92	9	4000	Cu	7	—	7	•
Renfrew	1025.0	-2	E	2	b1-	64	55	6	—	—	0	Ci	3	0
Edinburgh (Inchkeith)	1025.1	-2	NW	1	c-	56	75	8	—	StCu	6	ACu	8	•
Leuchars	1024.7	-1	E	2	o+	57	65	7	5700	StCu	9	—	9	0
Eskdalemuir	1025.2	0	NNW	4	o	54	75	7	2500	StCu	7	—	9	0
Tynemouth	1025.5	0	NNE	1	o/r	48	92	6	—	—	0	ASt	10	•
Blacksod Point	1026.2	+1	N	5	o	51	85	8	—	StCu	10	—	10	•
Donaghadee	1025.3	0	NNE	1	b1-	52	85	8	—	—	0	CiSt	1	•
Birr Castle	1024.6	-	NE	2	c-	52	85	8	4000	StCu	8	—	8	•
Holyhead	1023.9	0	NE'N	5	c-	51	85	7	1500	Cu	7	—	7	0
Liverpool (Bidston)	1023.8	0	ENE	3	o	52	75	6	2500	St	10	—	10	•
Chester (Shotwick)	1023.8	+1	NE	3	o	53	75	4	2500	St	10	—	10	0
Spurn Head	1024.0	+2	NNE	3	od0	49	92	6	450	St	10	—	10	•
Birmingham (Edgbaston)	1023.5	+1	NE	4	o	50	85	5	4000	St	10	—	10	1
Nottingham	1023.6	+1	NE	3	o	50	85	7	2500	Nb	10	—	10	•
Cranwell	1023.8	+1	N'E	3	o	50	85	7	1500	St	10	—	10	0
Gorleston	1021.7	+1	N'E	3	o	51	75	7	4000	StCu	10	—	10	•
Valencia (Cahirciveen)	1023.5	+2	NE	4	c	55	65	7	2500	StCu	8	—	8	
Roches Point														•
Pembroke (St. Ann's H.)	1022.4	+2	—	0	o	51	75	7	1500	St	10	—	10	•
Ross-on-Wye	1022.6	+2	ENE	3	mmo	51	75	6	1500	St	10	~	10	o
Benson	1021.8	+1	NNE	3	o	55	75	8	•	St	9	-	9	1
Andover	1021.5	+2	NE'E	3	o-	55	75	7	800	St	10	~	10	o
S. Farnborough	1021.5	0	NE	3	or0r0	55	75	6	800	Nb	10	~	10	1
London (Kew Obsy.)	1021.7	0	NE'N	2	o	55	75	6	2500	StCu	8	ASt	10	1
Croydon	1021.7	+2	NE	1	or0r0	52	85	6	800	St	10	—	10	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•		•	•
Shoeburyness	1021.7	+1	NE	2	o	53	75	7	2500	StCu	8	ASt	10	*
Grain	1021.9	+1	ENE	3	o	52	85	8	1500	St	10	—	10	1
Lympne	1021.4	+2	NE'N	4	o/r	52	92	7	800	St	10	—	10	1
Scilly (St. Mary's)	1019.8	+2	E	5	o	55	85	6	4000	StCu	10	—	10	•
Falmouth (Pendennis)	1020.2	+1	E	5	o/r	52	85	6	4000	Cu	10	—	10	•
Plymouth (Cattewater)	1020.1	+1	E	3	c	54	85	7	2500	StCu	7	—	7	0
Portland Bill	1020.2	+3	ENE	5	o	53	75	6	2500	St	10	—	10	•
Southampton (Calshot)	1021.2	+1	NE'E	4	o	53	85	5	1500	St	10	—	10	0
Dungeness	1020.7	+2	NE	4	d-	51	92	7	800	St	10	-	10	•
Jersey	1018.6	+1	ENE	3	b	62	75	7	-	-	0	·	0	•

Observations at 1800 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	1025.8	+1	N	3	o	45	65	7	·	·	0	ASt	10	2
Stornoway	1028.3	+1	NE	3	o	48	97	6	800	St	10	-	10	3
Wick	1027.1	+2	NNW	2	b	51	75	8	5700	Cu	3	·	3	0
Castlebay	1026.7	0	NNE	4	b	56	85	6	4000	StCu	1	·	1	3
Nairn	1027.2	=	E	2	bc-	54	85	8	4000	Cu	4	·	4	•
Aberdeen	1027.0	+2	NNE	2	bc+	52	85	8	1500	St	4	ACu	6	0
Malin Head	1025.6	0	N	1	mb	62	92	7	4000	Cu	3	·	3	0
Renfrew	1024.6	+1	ESE	1	o+	63	75	6	2500	St	10	·	10	•
Edinburgh (Inchkeith)	1025.6	+1	ESE	1	o	52	92	8	·	·	0	ASt	10	1
Leuchars	1025.6	+2	ESE	1	o	54	85	7	2500	StCu	10	·	10	•
Eskdalemuir	1025.[illegible]	0	E	3	c-	56	75	7	2500	StCu	8	·	8	•
Tynemouth	1025.[illegible]	+1	NNE	1	o	49	92	6	800	St	10	-	10	0
Blacksod Point	1025.7	0	N'E	5	o	50	92	7	"	CuNb	9	·	9	6
Donaghadee	1024.9	0	NNE	1	b	54	75	[illegible]	·	-	0	-	0	0
Birr Castle	1024.6	=	NE	1	bc	56	75	8	4000	Cu	6	·	6	•
Holyhead	1024.0	0	NE'N	4	ocr	51	92	7	4000	St	8	ACu	10	3
Liverpool (Bidston)	1023.6	0	E'N	3	c0	52	75	5	2500	St	8	-	8	4
Chester (Shotwick)	1023.8	0	ENE	2	for	53	85	3	1500	St	6	ACu	9	•
Spurn Head	1024.3	0	N	4	od0	47	92	6	450	St	10	·	10	3
Birmingham (Edgbaston)	1024.0	0	ENE	3	o	51	75	6	2500	St	10	·	10	•
Nottingham	1024.1	0	NE	3	o	49	92	6	2500	Nb	10	·	10	•
Cranwell	1024.6	0	N'E	3	o	48	92	7	1500	StCu	10	-	10	•
Gorleston	1021.8	0	N'W	3	od0	49	92	6	4000	Nb	10	-	10	1
Valencia (Cahirciveen)	1023.4	0	NE	4	o	57	65	7	4000	StCu	7	ACu	9	0
Roches Point														
Pembroke (St. Ann's H.)	1022.7	0	-	0	c	51	85	7	1500	St	8	-	8	3
Ross-on-Wye	1023.0	0	E'N	2	mmo	52	75	6	1500	St	10	-	10	•
Benson	1023.0	0	ENE	3	o	53	85	7	-	-	0	ASt	10	•
Andover	1022.4	+1	NE'N	4	o	52	85	6	800	St	10	·	10	•
S. Farnborough	1022.2	0	NE	3	o	53	85	6	800	St	10	-	10	•
London (Kew Obsy.)	1022.8	0	NNE	2	o	53	75	6	2500	StCu	8	ASt	10	•
Croydon	1022.4	+1	NNE	3	o/r	53	85	5	800	St	10	·	10	•
Clacton-on-Sea	1022.5	+1	ENE	3	o	52	85	7	7200	Cu	10	·	10	0
Shoeburyness	1022.5	+1	E	1	o	52	85	7	2500	StCu	10	·	10	•
Grain	1022.3	+1	ENE	2	o	51	85	8	1500	St	9	ASt	10	
Lympne	1022.1	+1	NNE	4	o	51	85	7	1500	St	8	ASt	9	•
Scilly (St. Mary's)	1020.7	+1	E	3	o	53	92	6	4000	StCu	10	·	10	4
Falmouth (Pendennis)	1021.2	+1	E	3	o	52	92	6	4000	StCu	9	-	9	0
Plymouth (Cattewater)	1024.2	+3	E	3	o	54	85	7	2500	St	10	-	10	0
Portland Bill	1020.2	+2	ENE	3	c	54	85	6	1500	St	8	-	8	0
Southampton (Calshot)	1022.1	0	NE	3	mmo	55	85	5	1500	St	10	-	10	0
Dungeness	1021.7	+1	NE	3	o/r	52	85	7	800	St	3	CiSt	10	4
Jersey	1019.3	0	ENE	3	o/r	54	85	6	4000	StCu	10	·	10	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. 2nd								Yesterday.	Yesterday.	To-day.
Kew (24 hours ended 0700)	omoz	oz	ozodo	•	•		~	0r	0.0	•	•
Croydon (24 hours ended 0700)	omr0	or0m	omdd	•	•		0.1	0r	0.0	•	•
Greenwich (Royal Obsy.)	0	0	od	56	46	46	-	-	0.0	79	86
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	•	•	•	57	47	46	-	-	0.0	71	82
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0.0	•	•
Camden Square	0	0	•	56	46	46	-	-	•	•	87
Kensington Palace	0	0	•	53	47	47	-	-	•	80(18h)	85
Hampstead Observatory	•	•	•	52	44	43	-	-	0.0	•	92

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 1st

South Kensington

Max.	Time.	Min.	Time.
0.3	16-20h 31st	<0.3	1-4h 1st
0.3	6-15h 1st		

Kew Observatory

Max.	Time.	Min.	Time.
0.4	19h 31st	<0.3	24h 31st
0.5	12h 1st		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 1st 21 h 30 m. to 2nd 02 h 30 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5.0	nil	nil
δ Ursae Minoris	5.0	nil	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 1 sec.	Stren.	Direc.
13h.	C1C2	7	-	115
18h.	C.C2	7	-	110
01h.	C	6	-	30
07h.	C,C2	6		140

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

2nd - 3rd June, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.37 / 3.36	11.51 / 11.51	8.5 / 8.6
Greenwich	3.50 / 3.49	11.58 / 11.58	8.6 / 8.7
Wick	3.16 / 3.15	12.10 / 12.10	9.4 / 9.6
Valencia	4.28 / 4.27	12.39 / 12.39	8.50 / 8.51

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.
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"; 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.
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.

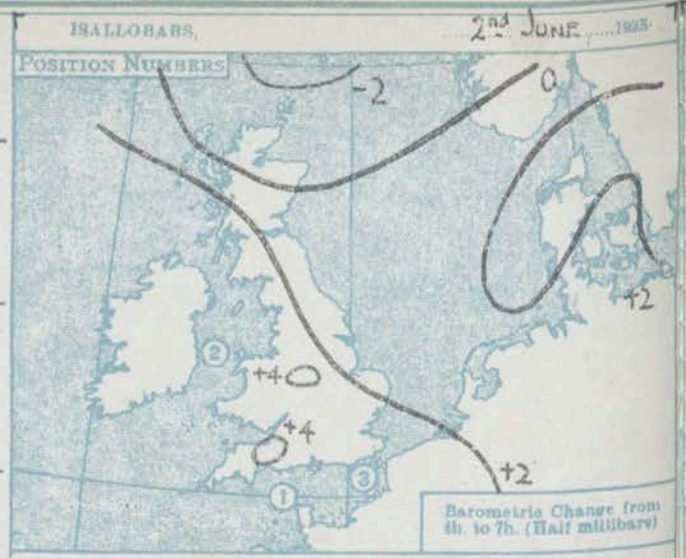
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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. 1st	Weather. 13h.-18h. 1st	Weather. 18h. 1st to 1h. 2nd	Weather. 1h.-7h. 2nd	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. 1st Hours.
Lerwick	bc	c	o	o	53	41	•	–	–	–	–	6·3
Stornoway	o	oo	b-bc	bc	55	38	•	–	–	–	–	6·0
Wick	o	b-bc	c	c	55	45	•	–	–	–	–	•
Castlebay	oc	cb	b	b	56	49	•	–	–	–	–	9·8
Nairn	bccg	cgbc	bcb	b	60	41	•	–	–	–	–	1·4
Aberdeen	omco	ocbc	bcbbc	bco	58	44	41	–	–	–	–	2·1
Malin Head	bcr	bcifb	bccov	offo	52	46	•	–	–	–	–	8·8
Renfrew	bzczy	bzyco	oz	obcom	66	47	45	–	–	–	–	8·6
Edinburgh (Inchkeith)	c	oo	of	oo	60	45	44	–	Trace	–	2200	4·2
Leuchars	oobco	oo	om	om	60	44	36	–	–	–	–	1·7
Eskdalemuir	oco	oc	ccoo	oo	57	41	38	–	–	–	–	2·7
Tynemouth	od₀	om	ddm	r	50	43	43	Trace	0·2	L0800	L2100	•
Blacksod Point ...	b.bc	b-bc		oo	53	46	•	–	–	–	–	•
Donaghadee	bc	bz	bc	c	56	48	•	–	–	–	–	•
Birr Castle	co	co	coz	coz	57	39	31	–	–	–	–	2·2
Holyhead	oc	cop.r	cobcw	bcwco	53	49	44	Trace	–	1730	–	2·4
Liverpool (Bidston) ...	om	cm	form		54	46	43	–	–	–	–	0·2
Chester (Shotwick) ...	omz	oomf	ocf'f	ofom	56	45	33	–	–	–	–	0·1
Spurn Head	omd	omd	oimd	omd	51	44	•	Trace	0·5	L0800	L2100	0·3
Birmingham (Edgbaston)	om	oo	om	of	51	43	45	–	–	–	–	0·0
Nottingham	o	oo	o	oo	51	43	45	–	Trace	–	0630	0·0
Cranwell	bcc	oo	oddm	ofm	51	44	37	–	0·1	–	2400	0·0
Gorleston	o	od₀	odcod	ocd₀	53	45	43	Trace	0·2	1630	L2100	0·2
Valencia (Cahirciveen)	bcc22	coz	b	bcbzw	57	42	36	–	–	–	–	4·2
Roches Point												
Pembroke (St. Ann's H.)		oo	oo	comf	55	47	•	–	–	–	–	0·9
Ross-on-Wye	oom	om	omgom	om	54	47	47	–	–	–	–	0·1
Benson...	oo	oo	co	oo	57	46	46	–	–	–	–	•
Andover	o	o	om	o	57	46	45	–	–	–	–	0·0
S. Farnborough ...	ofm	om	o	o	56	47	40	Trace	–	1230	–	0·0
London (Kew Obsy.) ...	omoz	oz	ozom	omodom	56	46	46	–	Trace	–	0630	0·0
Croydon	omf₀	of₀m	om	omg°d₀	53	46	43	0·1	Trace	1230	0230	0·0
Clacton-on-Sea ...	ogc	co	o	oc	54	46	46	–	–	–	–	0·5
Shoeburyness	o	o	o	o	55	45	46	–	–	–	–	0·0
Grain	o	oo	cop.r	oo	55	47	47	–	Trace	–	2200	0·0
Lympne	od₀m	of₀	om	om	53	45	42	0·3	–	L0800	–	0·1
Scilly (St. Mary's) ...	orrdm	om	obm	rccom	56	43	•	0·4	–	L0800	–	0·6
Falmouth (Pendennis)	omr	ocm	ocm	cm	54	51	•	–	–	–	–	0·3
Plymouth (Cattewater)	orc	cbcco	ob	b	56	50	45	Trace	–	L0800	–	2·1
Portland Bill	o	oo	c	oo	56	49	•	–	–	–	–	•
Southampton (Calshot)	o	om	om	om	56	49	49	Trace	–	L0800	–	0·0
Dungeness	r-d	oo	oo	oo	54	49	•	2	–	L0800	–	•
Jersey	ocb	bcfo	oco	oco	66	51	•	4	–	1630	–	6·8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	1st 1000	Hibernia	ENE	4	ogc	49	48	6
3	1st 0200	Arundel	NE	2	b	52	52	7

GENERAL INFERENCE.

The anticyclone in the North is tending to move southward but cool northeasterly winds are likely to continue over the northern half of the Kingdom with cloudy weather and slight local rain. In the North weather will be fairer with a moderate temperature.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 2nd June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind southerly, light or moderate; cloudy, slight rain in places; visibility moderate; cool.	None issued.
4. W. Midlands 5. S.W. England 6. South Wales	Wind NE., light or moderate; cloudy; visibility moderate; cool.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind light, variable; fair; mist locally; rather warmer.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides	Wind NW., light or moderate; mainly fair; visibility good; moderate temperature.	
16. Orkneys and Shetlands 17. N.W. Ireland	Wind W. to NW., moderate; cloudy, some showers; visibility good; moderate temperature.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light NE. or variable winds; fair; visibility moderate to good: rather warmer.	

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

† For Code see opposite page

JUNE ....1923.

trio Change from
. (Half millibars)

ers.

	Temp.		Visibility.
	Air.	Sea.	
	49	48	6
	52	52	7

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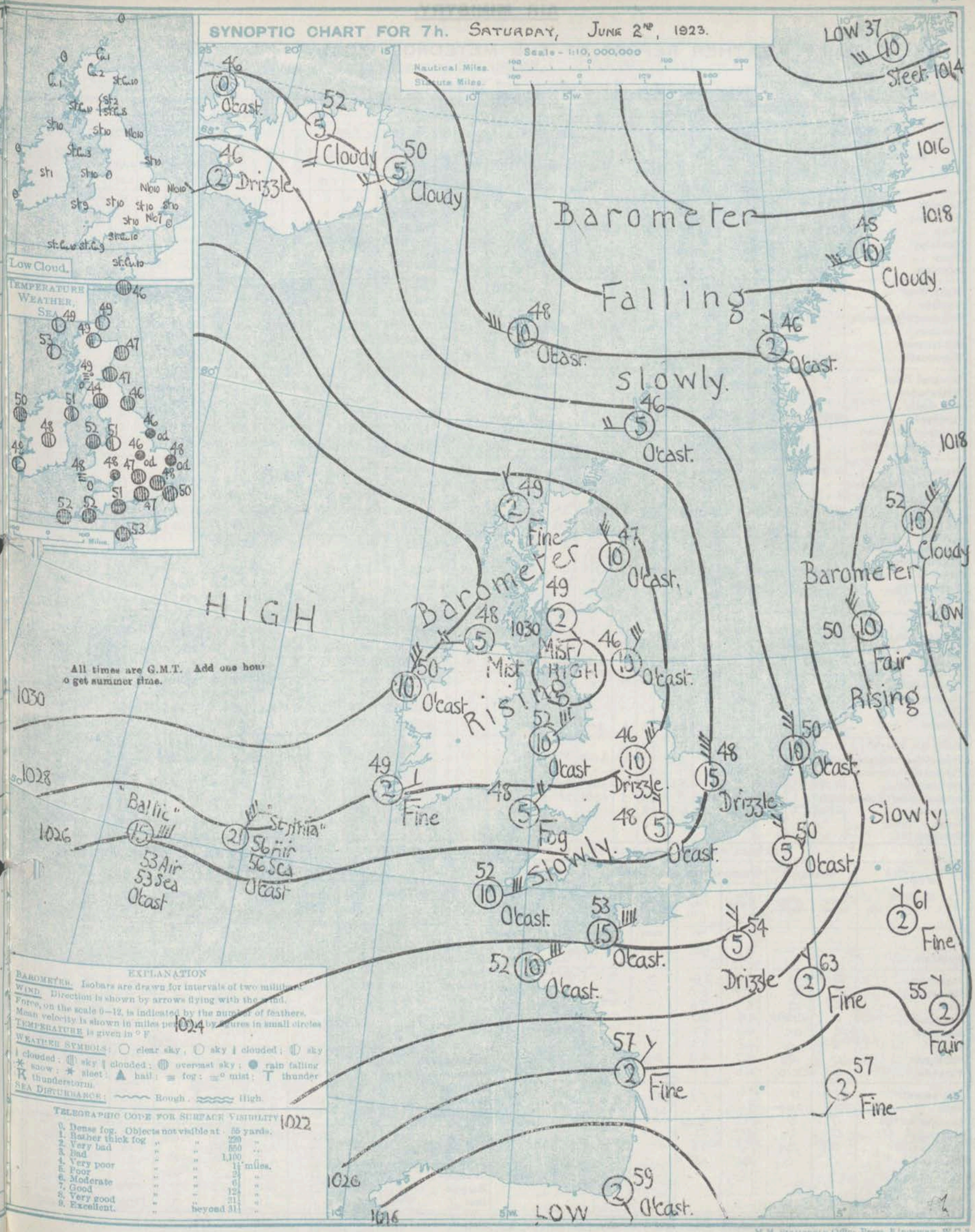
with a

Outlook.

ssued.

S., Director.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION...SATURDAY...2nd JUNE.....1923. No. 153

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. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1021·3	0	NW	2	0	48	88	7	-	-	0	a.St	10	•
Stornoway	1029·9	+3	NE	2	b-	•	•	6	•	•	•	•	•	•
Wick	1029·6	0	NNW	2	0	45	85	8	6700	StCu	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1027·4	+1	NW	1	c+	50	92	8	-	-	0	a.St	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1028·6	+4	E	1	o/f	45	97	8	-	-	0	a.St	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1028·3	+3	NNE	2	odd	47	97	6	800	Nb	10	-	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1025·3	+1	NE'E	4	b-	49	92	7	-	-	0	a.Cu	1	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1026·0	+1	N	4	mmo	48	97	5	225	St	10	-	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1026·3	+2	NNW	1	odd	45	97	6	1500	St	10	-	10	•
Gorleston	1024·6	+1	NNW	2	od	45	97	6	2500	Nb	10	-	10	•
Valencia (Cahirciveen)	1025·5	+2	SE	1	b	50	97	7	-	St	2	-	2	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Fanabroke (St. Ann's H.)	1025·4	+3	ENE	2	0	49	92	6	1500	St	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...		•	•	•	49	•	•	•	•	•	•	•	•	•
Croydon	1025·1	+2	N'E	3	0	49	92	6	450	St	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1025·0	+2	NNE	3	0	46	92	6	~~450~~ 400	St	10	-	10	•
Scilly (St. Mary's) ...	1023·3	+2	E	3	b	50	92	6	-	-	0	-	0	•
Falmouth (Pendennis)	1024·3	+1	E	4	0	52	85	6	4000	StCu	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1025·0	9	ENE	3	c-	51	85	6	4000	StCu	8	-	8	•
Southampton (Calshot)	1025·0	+1	NE'E	3	mo-	9	85	5	1500	St	10	-	10	•
Dungeness	1024·3	+2	NE	4	0	49	92	8	-	-	0	a.St	10	•
Jersey 7h }														•
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. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1024·5	-3	W	2	0	46	86	7	-	-	0	a.St	10	1
Stornoway	1029·3	0	NNW	1	b-	49	92	8	-	-	0	CiCu	3	0
Wick	1028·2	0	WNW	1	b-	49	75	8	4000	Cu	1	Ci	3	0
Castlebay	1029·7	+2	WNW	3	b	53	85	8	4000	Cu	1	-	1	3
Nairn	1028·8	•	-	0	bc-	49	85	8	4000	Cu	2	CiCu	4	•
Aberdeen	1029·1	0	NNW	3	0	47	85	8	2500	StCu	10	-	10	0
Malin Head	1028·9	+1	W	2	mmo	48	97	4	4150	St	10	-	10	0
Renfrew	1029·5	+2	SE	1	mmo	49	85	4	2560	StCu	10	-	10	•
Edinburgh (Inchkeith)	1029·4	+1	ESE	2	0	47	85	8	-	StCu	10	-	10	1
Leuchars	1028·4	+1	S	2	0	47	85	6	1500	St	10	-	10	•
Eskdalemuir	1030·0	+2	ENE	3	0	44	85	6	1500	St	10	-	10	•
Tynemouth	1029·0	0	NNE	3	o/r	46	85	7	1500	Nb	10	-	10	2
Blacksod Point ...	1028·6	+2	N'E	4	0	50	92	6	-	-	0	a.St	10	3
Donaghadee	1028·1	+2	-	0	c-	51	92	8	5700	StCu	8	a.Cu	7	0
Birr Castle	1025·3	•	NNE	1	c-	48	92	6	2500	St	1	Ci	7	•
Holyhead	1029·2	+3	E'N	3	0	52	92	7	2500	St	10	-	10	3
Liverpool (Bidston) ...	1027·6	+1	ENE	1	bc-	51	85	5	-	-	0	a.Cu	5	1
Chester (Shotwick) ...	1027·8	+2	NNE	2	0-	52	85	4	800	St	9	-	9	•
Spurn Head	1027·5	+1	N	5	odd	46	97	6	800	St	10	-	10	3
Birmingham (Edgbaston)	1028·1	+2	NE	2	0	48	92	5	1500	St	10	-	10	•
Nottingham	1028·0	+4	NE	3	od	46	97	7	2500	Nb	10	-	10	•
Cranwell	1028·0	+3	N'E	4	odd	45	97	6	1500	Nb	10	-	10	•
Gorleston	1025·5	+1	N	4	od	48	92	7	4000	Nb	10	-	10	0
Valencia (Cahirciveen)	1028·0	+2	ENE	1	b	49	85	6	-	-	0	a.Cu	2	2
Roches Point														•
Fanabroke (St. Ann's H.)	1027·2	+2	NE	2	ffo	48	92	3	800	St	9	-	9	2
Ross-on-Wye	1027·6	+2	NE'E	2	od	48	92	6	1500	St	10	-	10	•
Benson...	1027·4	+2	NNE	3	0	47	92	8	-	St	10	-	10	•
Andover	1027·5	+3	NNE	3	0	47	92	7	800	St	10	-	10	•
S. Farnborough ...	1026·9	+3	NE	2	0	47	85	7	800	St	10	-	10	•
London (Kew Obsy.) ...	1027·3	+2	N	2	o/r	48	85	6	2500	Nb	7	a.St	10	•
Croydon	1026·8	+1	NE'N	3	0	46	92	6	800	St	10	-	10	•
Clacton-on-Sea ...	1026·0	+1	N	3	0	48	92	6	2500	St	10	-	10	
Shoeburyness	1026·7	+2	NNE	1	0	49	85	8	4000	StCu	10	-	10	•
Grain	1026·6	+4	NNE	4	0	48	85	8	1500	St	10	-	10	0
Lympne	1026·2	+2	N	3	0	47	85	7	800	St	10	-	10	•
Scilly (St. Mary's) ...	1025·8	+2	E	3	0	52	92	6	4000	StCu	10	-	10	4
Falmouth (Pendennis)	1025·9	+2	ESE	3	0-	52	85	6	4000	StCu	9	-	9	0
Plymouth (Cattewater)	1025·8	+2	E	3	b	54	85	6	-	-	0	-	0	0
Portland Bill	1025·8	+4	ENE	3	0	51	85	6	2500	StCu	10	-	10	1
Southampton (Calshot)	1026·7	+2	NNE	3	mmo	51	85	6	1500	St	10	-	10	0
Dungeness	1025·7	+2	NE	4	0	50	75	8	-	-	0	a.St	10	4
Jersey 7h }	1024·4	+1	ENE	4	0	53	92	8	4000	StCu	10	-	10	3
Guernsey 1h }														

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 31st-1st °F.	Temperature. Max. Day. 1st °F.	Rainfall.† Night 17h.-9h. 31st-1st mm.	Rainfall.† Day 9h.-17h. 1st mm.	Sunshine. Sunrise to 17h. 1st hr.	Sunshine. Sunrise to Sunset. 31st hr.
Montrose			36	56	–	–	4·3	0·3
Llandudno	0	0	48	54	–	–	8·7	0·5
Colwyn Bay ...	c	c	47	53	–	–	8·6	0·5
Rhyl...	c	c	47	56	–	–	7·0	0·4
Southport	0	cpo	46	56	–	0·1	0·0	1·3
Blackpool	c	oc	46	57	–	–	0·9	1·4
Ilkley	0	0	43	52	–	–	–	0·2
Harrogate	0	0	47	49	0·1	–	–	–
Skegness	o	odo	46	51	–	–	1·2	–
Aberystwyth ...	occ	b	46	59	–	–	13·0	3·5
Bath	og	ogm	46	55	–	–	3·8	–
Leamington Spa ...	0	0	43	454	–	–	1·0	0·2
Lowestoft	0	0	47	51	–	–	–	0·1
Felixstowe	0	bco	47	55	–	–	0·5	1·5
Southend	0	0	45	55	–	–	0·3	–

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 31st-1st °F.	Temperature. Max. Day. 1st °F.	Rainfall.† Night 17h.-9h. 31st-1st mm.	Rainfall.† Day 9h.-17h. 1st mm.	Sunshine. Sunrise to 17h. 1st hr.	Sunshine. Sunrise to Sunset. 31st hr.
Ilfracombe	0	oco	48	53	–	–	11·2	0·1
Bude	0	obebc	47	58	–	–	11·2	3·5
Penzance	oro	oco	49	55	1	–	*	*
Paignton	og	o	49	55	–	–	3·2	–
Torquay	c	c	49	55	–	–	4·7	–
Weymouth	0	0	47	59	–	–	3·6	
Bournemouth ...	0	0	46	56	–	–	2·8	–
Portsmouth (S'thsea)	0	0	48	56	–	–	2·0	–
Worthing	0	0	48	56	–	–	0·5	–
Brighton	od	od	48	56	–	0·1	0·6	–
Eastbourne	oro	oro	49	53	–	4·9	–	–
Hastings	odo	obo	48	53	0·4	2·3	–	–
Folkestone	o	o	46	54	–	0·2	–	–
Tunbridge Wells ...	omoro	o	45	54	1	1	–	–
Ramsgate	o	o	43	53	–	–	–	–
Margate	o	o	49	52	–	–	–	–
Deal	o	o	49	53	–	trace	0·1	–

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* 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.22478 ..Sunday...3rd. June 1923.

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	State of ground.
Lerwick	10203	-4	NW	3	0	49	85	6	2500	St	10	-	10	•
Stornoway	10286	-1	NNW	3	bc+	56	85	8	-	-	0	CiCu	5	•
Wick	10252	-4	NW	1	c+	57	75	8	5700	Cu	1	CiSt	7	•
Castlebay	10298	0	NW	4	b+	51	85	8	2500	St	2	ASt	3	•
Nairn	•	•	•	•	•	•	•	•						•
Aberdeen	10267	-4	S	3	b	60	75	8	-	-	0	CiCu	3	0
Malin Head	10289	0	WNW	3	mmo	51	92	7	2500	St	9	-	9	•
Renfrew	10270	-4	NW	3	bc-	68	55	7	5700	Cu	4	Ci	6	0
Edinburgh (Inchkeith)	10274	-4	SE	1	bc	52	85	7	-	-	0	Ci	5	•
Leuchars	10266	-3	SW	2	b	62	65	7	-	-	0	Ci	2	0
Eskdalemuir	10266	-2	SW	1	bc	65	55	7	4000	Cu	1	Ci	5	0
Tynemouth	10289	0	NNE	2	b	51	75	8	2500	CuNb	2	CiSt	3	•
Blacksod Point ..	10297	+1	N	4	0	55	85	9	-	-	0	ASt	10	•
Donaghadee	10285	0	SSE	1	b-	56	75	8	2500	Cu	2	-	2	•
Birr Castle	10283	+	E	1	bc-	67	65	6	2500	Cu	5	-	5	•
Holyhead	10286	0	N	3	b	55	85	6	-	-	0	-	0	0
Liverpool (Bidston) ...	10278	-1	WNW	1	c	56	85	6	1500	CuNb	8	-	8	•
Chester (Shotwick) ...	10276	-1	NW	3	bc	60	75	5	4000	Cu	5	-	5	0
Spurn Head	10285	+1	N	4	0	48	85	7	800	St	10	-	10	•
Birmingham (Edgbaston)	10280	0	ENE	3	b	53	65	6	5700	Cu	2	-	2	0
Nottingham	10283	-1	NE	3	0	50	85	7	1500	StCu	10	-	10	•
Cranwell	10285	0	N	3	0	48	85	6	800	St	10	-	10	5
Gorleston	10263	0	N	4	0	50	75	7	2500	Nb	10	-	10	•
Valencia (Cahirciveen)	10287	0	WNW	3	bc	59	65	5	2500	Cu	3	ACu	4	0
Roches Point	10278	0	SE	2	b	58	85	6	-	-	-	-	-	•
Pembroke (St. Ann's H.)	10279	0	WSW	1	mbc+	55	85	4	450	St	5	-	5	•
Ross-on-Wye	10272	0	E'N	2	0	54	75	6	2500	St	10	-	10	0
Benson...	10277	0	NNE	3	0	50	85	6	-	St	10	-	10	0
Andover	10271	0	NNE	3	0	52	85	7	800	St	10	-	10	0
S. Farnborough ...	10271	0	NE'E	3	mmo	52	75	6	1500	St	10	-	10	1
London (Kew Obsy.) ...	10274	0	NNE	3	0	52	75	6	4000	StCu	10	-	10	1
Croydon	10272	+1	N'E	3	o/r	51	85	5	1500	St	10	-	10	0
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	10268	0	NE	1	0	52	75	8	4000	StCu	8	ASt	10	+
Grain	10268	0	NE	4	0	52	75	8	2500	StCu	10	-	10	1
Lympne	10266	0	NNE	3	od.	49	85	7	800	Nb	10	-	10	5
Scilly (St. Mary's) ...	10261	0	ESE	3	bc-	60	75	6	4000	Cu	5	-	5	•
Falmouth (Pendennis)	10274	+1	ESE	1	c	57	85	6	4000	StCu	7	-	7	•
Plymouth (Cattewater)	10258	-2	E	1	c	61	75	7	2500	StCu	7	-	7	0
Portland Bill	10259	+2	ENE	3	0	55	75	6	4000	St	10	-	10	•
Southampton (Calshot)	10268	-1	NNE	3	0	55	75	6	2500	St	10	-	10	0
Dungeness	10258	0	ENE	4	o/b	51	92	7	1500	St	10	-	10	•
Jersey	10240	0	ENE	4	b	60	75	8	-	-	0	ACu	2	•

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	Sea. 0-9
Lerwick	10199	-1	NW	3	0	48	85	6	2500	St	1	ASt	10	2
Stornoway	10281	0	NNW	3	0+	51	92	6	450	St	10	-	10	2
Wick	10236	-2	WNW	6	0	50	92	7	450	St	10	-	10	3
Castlebay	10289	0	NW	4	0	49	85	8	1500	St	10	-	10	4
Nairn	10256	•	WNW	4	bc+	58	65	8	4000	Cu	6	-	6	•
Aberdeen	10250	0	NE	4	c	55	75	8	4000	StCu	3	CiSt	7	0
Malin Head	10286	0	WNW	2	ffo	49	97	3	<150	St	10	-	10	0
Renfrew	10253	-2	W	3	c+	67	55	8	-	-	0	Ci	8	•
Edinburgh (Inchkeith)	10233	-3	W	2	c+	64	65	7	-	-	0	Ci	7	1
Leuchars	10233	-3	•	0	c+	67	75	6	5700	Cu	3	Ci	8	•
Eskdalemuir	10245	-2	SW	3	b	64	65	7	4000	Cu	2	Ci	3	•
Tynemouth	10260	-2	SSE	2	b	51	75	7	1500	St	2	CiCu	3	1
Blacksod Point ..	10293	-1	N	4	0	53	85	8	-	-	0	ASt	10	4
Donaghadee	10269	-2	NNE	2	fb-	50	92	3	-	-	0	-	0	0
Birr Castle	10277	•	E	1	c+	67	65	6	4000	StCu	8	-	8	•
Holyhead	10272	-2	N	1	p	57	85	8	-	-	0	Ci	1	0
Liverpool (Bidston) ...	10266	-1	NW	3	b	57	65	8	-	St	2	CiSt	3	4
Chester (Shotwick) ...	10264	-1	NW	4	bc+	58	65	8	-	-	0	Ci	4	•
Spurn Head	10268	-2	N'E	3	c	48	85	7	4000	StCu	7	-	7	2
Birmingham (Edgbaston)	10261	-2	ENE	2	mo+	56	65	4	<150	St	10	-	10	•
Nottingham	10261	-3	ENE	2	b	55	75	7	-	-	0	Ci	1	•
Cranwell	10267	-2	NE	1	bc-	53	75	7	4000	StCu	6	-	6	•
Gorleston	10255	-1	NNW	3	0	48	75	7	2500	StCu	10	-	10	0
Valencia (Cahirciveen)	10280	-1	NW'N	4	b	58	75	6	-	-	0	-	0	0
Roches Point	10275	0	SSE	1	b	66	75	5	-	-	-	-	-	
Pembroke (St. Ann's H.)	10266	-2	E	2	b/f	53	85	6	1500	St	3	-	3	2
Ross-on-Wye	10256	-1	ESE	1	b	57	75	6	-	-	0	-	0	•
Benson...	10264	-2	NNE	3	0	52	85	6	-	St	10	-	10	•
Andover	10265	-1	NE	2	0-	51	85	7	1500	St	10	-	10	•
S. Farnborough ...	10263	-1	NE	3	mmo	51	75	6	1500	St	10	-	10	•
London (Kew Obsy.) ...	10265	-2	N	2	0	51	75	6	4000	StCu	10	-	10	•
Croydon	10261	-1	N'E	3	0	51	75	5	1500	St	10	-	10	•
Clacton-on-Sea ...	10266	-1	N	3	0	51	85	7	2500	St	10	-	10	0
Shoeburyness	10263	-1	NNE	1	0	51	75	8	4000	StCu	10	-	10	•
Grain	10260	-1	ENE	3	0	50	85	8	1500	StCu	10	-	10	0
Lympne	10257	-1	NNE	3	0	49	85	7	800	St	10	-	10	•
Scilly (St. Mary's) ...	10262	-1	E'S	2	b	57	75	6	-	-	0	-	0	2
Falmouth (Pendennis)	10257	-2	-	0	bc	56	75	6	5700	StCu	5	-	5	0
Plymouth (Cattewater)	10254	0	WNW	1	0	55	85	6	2500	StCu	10	-	10	0
Portland Bill	10259	0	NE	1	0	55	85	5	4000	St	10	-	10	1
Southampton (Calshot)	10261	-1	NNE	3	0	54	75	6	1500	St	10	-	10	0
Dungeness	10249	0	ENE	4	0	51	75	7	-	-	0	ASt	10	4
Jersey	10237	0	ENE	4	0	55	85	8	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. mm. Dry.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 3rd.								YESTERDAY.	YESTERDAY.	TO-DAY.
Kew .. } 24 hours ended 0700	omo3	o3	o3obc	•	•	28	-	-	0.0	•	•
Croydon }	od m	om	obc3m	•	•	30	-	-	0.0	•	•
Greenwich (Royal Obsy.) ..	8	0	ocbc	58	34	29	-	-	0.0	77	66
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	•	•	•						0.0		
Regent's Pk. (Botanic Gdns.)	•	•	•	•	•	•	•	•		•	•
Camden Square..			•						•	•	
Kensington Palace	0	0	•	56	38	32	-	-	•	74 (18h.)	71
Hampstead Observatory ..	•	•	•						0.0	•	

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

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

Stars.	Exposure. h. m.	Record. h. m.	Record. %
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 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.*

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C_1C_2	6	-	170
18h.	-	-	-	-
01h.	C_1C_2	6	-	95
07h.	C_1C_2	6	-	150

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

3rd. & 4th. June, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	3.36	11.51	8.6
	3.35	11.51	8.7
Greenwich ...	3.49	11.58	8.7
	3.48	11.53	8.8
Wick	3.15	12.10	9.6
	3.14	12.10	9.7
Valencia ...	4.27	12.39	8.51
	4.26	12.39	8.52

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.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
z unusual visibility. y dry air
= 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.

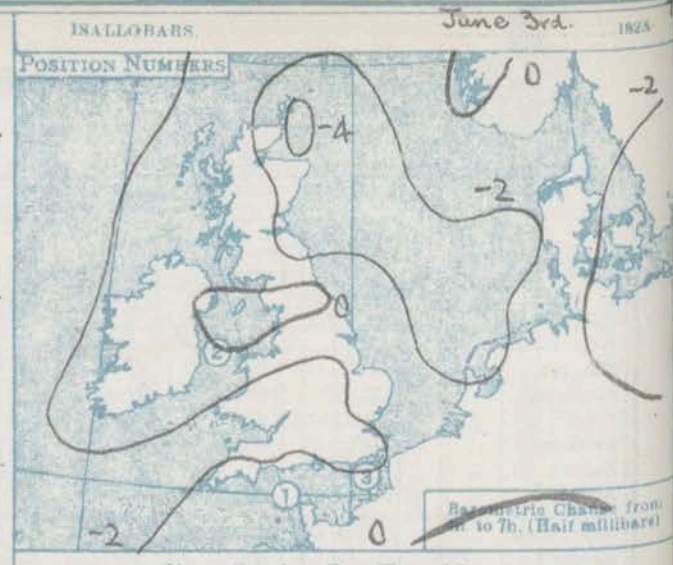
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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 scale see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-13h. 2nd.	13h.-18h. 2nd.	18h. 2nd. to 1h. 3rd.	1h.-7h. 3rd.	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. 2nd. Hours.
Lerwick	o	o	o	od	50	41	•	-	Trace	-	04.30	0.0
Stornoway	b-bc	c	c	o	58	46	•	-	-	-	-	10.7
Wick	b-bc	oo	omdd	ovvm	57	47	•	-	4	-	<2100	•
Castlebay	bbo	bco	o	obo	53	47	•	-	0.1	-	-	10.4
Nairn	b	bbcg	bccb	cg	68	50	•	-	-	-	-	10.1
Aberdeen	ocbcb	bbcyc	co	o	67	50	47	-	-	-	-	8.9
Malin Head	Ffo	offa	fome	maco	52	45	•	-	Trace	-	0130	0.0
Renfrew	omzcy	bcycy	cyoo	corr	71	43	33	-	-	-	-	9.8
Edinburgh (Inchkeith)	obc	bcc	bc	mm	64	47	41	-	-	-	-	11.6
Leuchars	omb	bbcce	o	o	68	47	36	-	-	-	-	8.9
Eskdalemuir	ocobcy	boyc	bbcc	cco	68	42	36	-	-	-	-	9.3
Tynemouth	b-bc	b-bc	cm	bm	54	47	42	-	-	-	-	•
Blacksod Point	oo	oo	c	c	56	44	•	-	-	-	-	•
Donaghadee	bc	ifb	c	o	57	45	•	-	-	-	-	•
Birr Castle	cobcy	co	co	cogc	68	47	39	-	-	-	-	11.4
Holyhead	bc3b3	b3b	bbcow	o	57	49	41	-	-	-	-	10.9
Liverpool (Bidston)	cbcom	b	bcc		60	49	42	-	-	-	-	8.8
Chester (Shotwick)	obc33	bc3bb	bcbb	bbcmw	61	42	34	-	-	-	-	11.5
Spurn Head	od	c	cbcco	mmo	49	43	•	Trace	-	-	-	2.4
Birmingham (Edgbaston)	oc	m	bcm	bcm	57	44	35	-	-	-	-	2.1
Nottingham	oo	oc	bm	bbcm	56	40	37	-	-	-	-	4.3
Cranwell	id.o	oo	bbc	co3	53	37	29	Trace	-	<0800	-	9.7
Gorleston	od.co	oo	o	bc	50	38	33	Trace	-	<0800	-	10
Valencia (Cahirciveen)	bbc3	bcb3	b	bbco3	60	47	41	-	-	-	-	12.1
Roches Point	b23	b23	33c	b23	59	49	-	-	-	-	-	
Pembroke (St. Ann's H.)	ocbcm	m	bbc	bbc	57	47	•	-	-	-	-	8.8
Ross-on-Wye	oo	c3b3	b3bmw	Ffc	60	39	34	-	Trace	-	-	5.1
Benson	o	p.o	bb	bf	52	33	27	-	-	-	-	•
Andover	o	o	ocbcb	bmw	53	32	29	-	-	-	-	0.3
S. Farnborough	oomm	oomm	oomm	oomnw	53	43	31	-	Trace	-	-	0.0
London (Kew Obsy.)	omo3	o3	o3o	obwbo	52	38	28	-	-	-	-	0.0
Croydon	od.m	om	obc3m	bcmx	52	36	30	-	-	-	-	0.0
Clacton-on-Sea	co	o	o	ocbc	53	39	31	-	-	-	-	0.0
Shoeburyness	o	o	oc	bcbxw	54	37	29	-	Trace	-	-	0.0
Grain	oo	oo	oo	oby b	53	35	28	-	-	-	-	0.0
Lympne	cd.	od.	o	o	52	43	37	Trace	Trace	09.00	-	0.0
Scilly (St. Mary's)	cbcm	bcbm	bm	bmfc	60	46	•	-	-	-	-	6.9
Falmouth (Pendennis)	ombcm	bcm	bcmbm	bm	58	45	•	-	-	-	-	7.6
Plymouth (Cattewater)	boc	co	ob	bbcom	61	43	34	-	-	-	-	7.4
Portland Bill	oo	oo	c	bbc	55	47	•	-	-	-	-	•
Southampton (Calshot)	co	oo	c	bbc	56	41	38	-	-	-	-	0.0
Dungeness	oo	oo	o	c	53	46	•	-	-	-	-	•
Jersey	ocb	bco	obc	-	61	50	•	-	-	-	-	5.5



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Visibility.
2	2nd 10h	-	-	0	C3	51	49	5
1	2nd 12h	Reindeer	ENE	5	0+	54	52	6

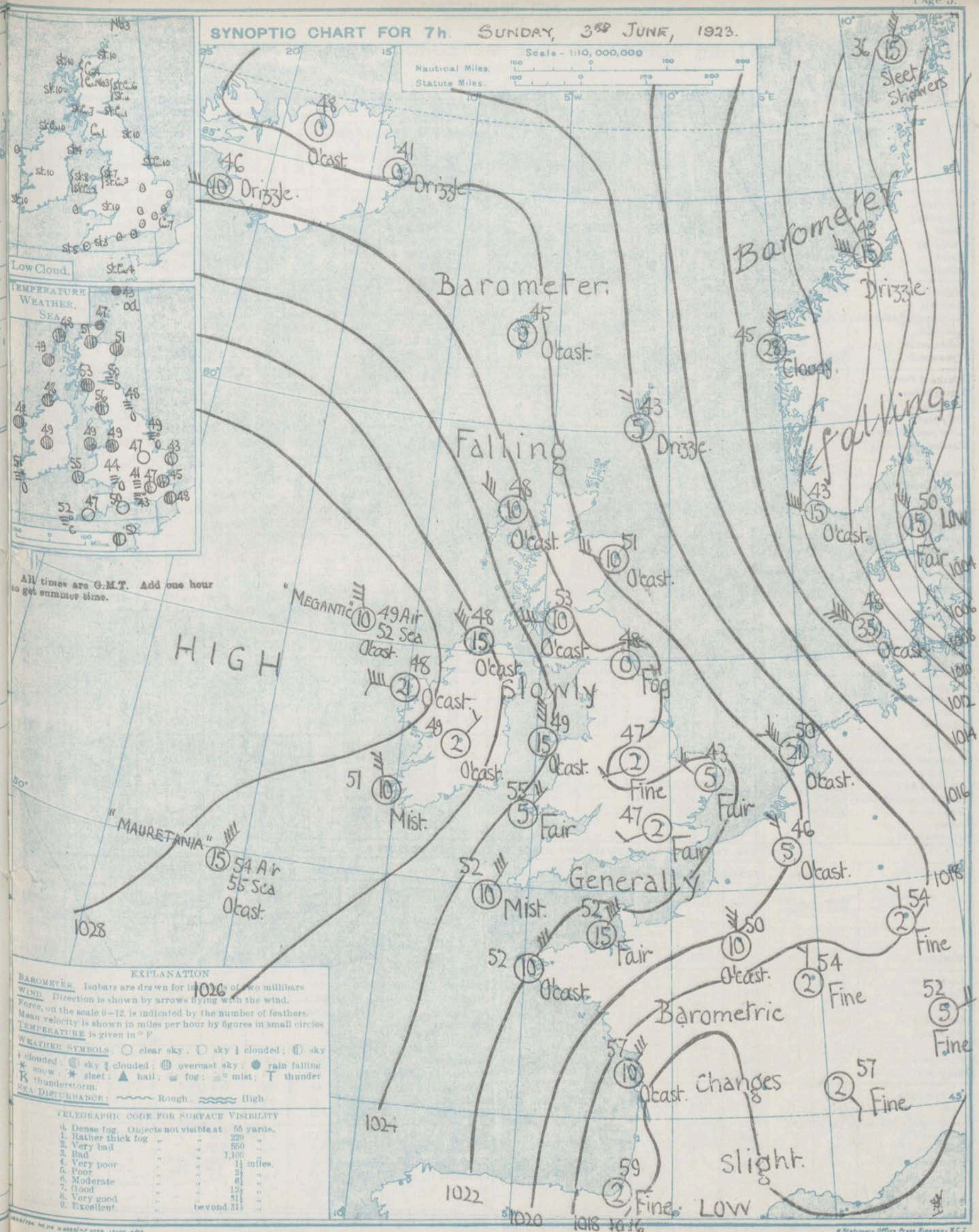
GENERAL INFERENCE.

The anticyclone off the western coasts continues, and is tending to move in a southerly direction. Weather in the South is likely to be fair and warmer today, but secondary depression moving down the North Sea will cause a renewal of unsettled conditions in the eastern districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 3rd June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light or moderate northerly winds; fair and warmer today, probably cooler again and unsettled tomorrow; visibility moderate.	None issued.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light or moderate northerly winds; mainly fair; visibility moderate to good; moderate or rather high temperature.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Wind northwesterly, moderate, fresh at times; cloudy, some rain or showers; visibility moderate to good; moderate temperature.	
12. S.W. Scotland 13. Isle of Man	Wind northwesterly, light or moderate; variable sky, visibility moderate to good; moderate temperature.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	As 9 - 11.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind northerly, light or moderate; mainly fair; visibility moderate to good; rather warm inland during the day.	

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



	Temp.		Visibility
	Air	Sea	
	49	49	5
	52	52	6

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Director.

Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION... Sunday 3rd June ..... 1923. No. 154.

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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1013.3	-1	N	4	0	44	85	6	5700	StCu	7	ASt	10	•
Stornoway	1026.9	-2	NW	3	b	•	•	5	•	•	•	•	•	•
Wick	1022.8	-2	NW	3	od	47	97	6	220	St	10	–	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1028.0	-1	NW	4	od	47	97	7	2500	St	10	–	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1024.1	-1	WSW	1	bc	53	85	8	–	–	0	Ci	4	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1023.2	-3	W	1	bc	52	85	6	–	–	0	ACu	6	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1025.5	-1	WNW	1	o+	50	97	8	2500	StCu	3	ASt	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1023.9	?	WSW	2	o+	45	92	6	5700	StCu	5	ASt	9	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1024.9	-4	SW	2	bc	41	97	6	4000	St	2	ASt	5	•
Gorleston	1024.3	-1	WNW	1	b-	45	85	7	4000	StCu	3	–	3	•
Valencia (Cahirciveen)	1024.4	-2	NW	1	b+	51	97	9	–	–	0	Ci	2	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1025.1	-1	NNW	3	b	49	85	7	–	–	0	–	0	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...														
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...		•	•	•	•	43	•	•	•	•	•	•	•	•
Croydon	1025.2	-2	–	0	bc-	39	97	5	800	St	5	–	5	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1024.3	-2	N	3	0	45	92	7	800	St	10	–	10	•
Scilly (St. Mary's) ...	1025.4	-1	NE	1	b	48	92	6	–	–	0	–	0	•
Falmouth (Pendennis)	1025.0	-1	N	2	b	48	97	6	–	–	0	–	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1024.5	-2	ENE	1	b-	47	85	7	–	–	0	–	0	•
Southampton (Calshot)	1024.3	-2	NE	3	b-	46	85	8	–	–	0	–	0	•
Dungeness	1024.0	-1	NE	2	0	48	75	7	–	–	0	ASt	10	•
Jersey 7h }														•
Guernsey 1h }														•

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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1018.3	-1	NNW	2	od	43	92	7	4000	Nb	3	ASt	10	1
Stornoway	1023.4	-1	NNW	3	o	48	97	7	800	St	10	–	10	2
Wick	1019.3	-4	NW	1	orr	47	97	6	450	St	10	–	10	0
Castlebay	1025.6	-1	NW	4	o	49	92	7	1500	St	10	–	10	4
Nairn	1021.5	•	WNW	3	c+	51	75	8	4000	Cu	4	–	4	•
Aberdeen	1020.8	-2	WNW	3	o	51	85	8	1500	StCu	10	–	10	0
Malin Head	1026.5	-1	NW	4	o	48	92	8	5700	StCu	10	–	10	1
Renfrew	1023.2	-1	W	3	o+	53	85	8	7200	StCu	4	ASt	10	•
Edinburgh (Inchkeith)	1021.3	-3	WSW	3	mno	50	92	6	–	StCu	1	ASt	10	2
Leuchars	1020.8	-2	NW	2	o	55	75	8	–	–	0	ASt	10	•
Eskdalemuir	1022.0	-2	–	0	c	56	65	4	4000	Cu	1	CSt	8	•
Tynemouth	1022.6	0	–	0	Fo	48	92	1	<150	St	10	–	10	0
Blacksod Point ...	1028.3	-2	WSW	5	o	48	85	8	–	–	0	ASt	10	4
Donaghadee	1024.9	0	NW	2	o-	50	85	8	800	St	4	ASt	9	2
Birr Castle	1027.0	•	NE	1	o+	49	97	6	450	St	10	–	10	•
Holyhead	1024.5	0	N	4	o	49	92	8	1500	St	10	–	10	0
Liverpool (Bidston) ...	1023.1	-1	W	3	o+	49	92	7	2500	St	10	–	10	3
Chester (Shotwick) ...	1023.0	-1	NW'W	4	o+	52	85	6	1500	St	10	–	10	•
Spurn Head	1021.9	+2	NNW	2	mno	49	92	5	4000	StCu	10	–	10	1
Birmingham (Edgbaston)	1022.5	-2	NNW	4	b	53	75	6	–	–	0	CCu	2	•
Nottingham	1021.6	-2	WSW	1	b	47	97	5	–	–	0	–	0	•
Cranwell	1022.9	+2	NNW	2	o	51	85	5	4000	StCu	4	CCu	9	•
Gorleston	1022.6	-1	NNW	2	bc-	43	85	6	–	–	0	ACu	5	0
Valencia (Cahirciveen)	1027.0	-1	NNW	3	mno	51	92	6	220	St	10	–	10	0
Roches Point	1024.4	-1	NW	4	bc	52	85	8	–	–	–	CSt	4	0
Pembroke (St. Ann's H.)	1023.8	-2	NE	2	bc	55	85	8	–	–	0	ASt	5	•
Ross-on-Wye	1023.0	-2	–	0	Fo-	44	97	1	<150	St	10	–	10	•
Benson...	1022.6	-2	–	0	ffb	41	97	3	–	–	0	–	0	•
Andover	1023.3	-1	–	0	b	43	97	6	–	–	0	ASt	3	•
S. Farnborough ...	1022.7	-2	–	0	mno	43	97	4	–	–	0	Ci	9	•
London (Kew Obsy.)...	1022.8	-2	SW	1	bc	47	85	5	–	–	0	CiSt	5	•
Croydon	1022.6	-3	NW	1	c+	48	85	6	4000	StCu	4	Ci	7	•
Clacton-on-Sea ...	?	-1	WNW	2	bc-	45	92	7	–	–	0	CiSt	5	0
Shoeburyness	1022.6	-2	WNW	1	b	49	75	8	–	–	0	CiSt	3	•
Grain	1022.3	-2	NW	2	b	49	75	7	–	–	0	Ci	3	0
Lympne	1022.1	-2	NNE	2	o	48	85	8	800	St	6	CiSt	8	•
Scilly (St. Mary's) ...	1023.2	-2	NNE	3	mc	52	97	6	1500	St	5	ACu	7	1
Falmouth (Pendennis)	1023.3	-2	–	0	b	47	97	6	–	–	0	–	0	0
Plymouth (Cattewater)	1023.2	-1	–	0	mc	48	97	5	CiSo	St	3	Ci	7	0
Portland Bill	1023.9	-2	–	0	b-	50	85	6	–	–	0	CCu	2	1
Southampton (Calshot)	1023.0	0	NNW	2	b	47	85	7	–	–	0	CiSt	2	0
Dungeness	1022.2	-3	NE	1	c-	48	75	7	5700	Cu	7	–	7	2
Jersey 7h }	1021.4	0	NE	4	bc	52	75	8	4000	StCu	4	ACu	5	3
Guernsey 1h }														

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 1st-2nd °F.	Temperature. Max. Day. 2nd °F.	Rainfall.† Night 17h.-9h. 1st-2nd mm.	Rainfall.† Day 9h.-17h. 2nd mm.	Sunshine. Sunrise to 17h. 2nd hr.	Sunshine. Sunrise to Sunset. 1st hr.
Montrose	+	+	42	55	–	–	9.9	0.3
Llandudno	b	b	47	62	–	–	8.8	0.5
Colwyn Bay ...	b	b	48	61	?	?	8.0	0.5
Rhyl...	b	b	47	58	–	–	9.1	0.4
Southport	bc	bb	46	60	–	–	10.8	0.3
Blackpool	bc	b	45	61	–	–	12.3	1.5
Ilkley	o	b	43	61	–	–	6.6	0.2
Harrogate	obc	b	46	58	–	–	4.5	0.0
Skegness	o	o	45	50	1	–	0.6	0.0
Aberystwyth ...	ocb	b	45	59	–	–	6.5	4.2
Bath	800	cbc	48	59	–	–	1.4	0.0
Leamington Spa ...	o	b3	43	55	–	–	2.9	0.2
Lowestoft	o	o	45	50	–	–	0.6	0.1
Felixstowe	o	o	45	54	–	–	1.5	0.0
Southend	o	o	46	54	–	–	0.0	0.0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 1st-2nd °F.	Temperature. Max. Day. 2nd °F.	Rainfall.† Night 17h.-9h. 1st-2nd mm.	Rainfall.† Day 9h.-17h. 2nd mm.	Sunshine. Sunrise to 17h. 2nd hr.	Sunshine. Sunrise to Sunset. 1st hr.
Ilfracombe	ocbc	bcb3	51	57	–	–	6.2	0.1
Bude	cb	b	47	62	–	–	8.2	4.5
Penzance	cbc	bc	49	62	–	–	?	?
Paignton	coc	ococ	51	57	–	–	1.9	0.0
Torquay	bcc	oc	51	58	–	–	1.7	0.0
Weymouth	o	o	50	62	–	–	1.0	0.0
Bournemouth ...	o	o	48	57	–	–	0.3	0.0
Portsmouth (S'thsea)	o	o	49	56	–	–	0.0	0.0
Worthing	o	o	49	54	–	–	0.0	0.0
Brighton	o	o	49	54	–	–	0.0	0.1
Eastbourne	o	o	49	54	–	–	0.0	0.0
Hastings	o	o	47	53	0.1	–	0.0	0.0
Folkestone	o	o	47	55	–	–	0.0	0.0
Tunbridge Wells ...	o	o	46	54	0.3	–	0.0	0.0
Ramsgate	o	o	46	55	–	–	0.0	0.0
Margate	o	o	47	51	–	–	0.0	0.0
Deal	o	o	47	52	–	–	0.0	0.0

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* 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. 22474 Monday 4th June 1923.

Observations at 1300 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	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of Ground.†
Lerwick	1016·5	-2	NNE	2	0	45	75	7	5700	StCu	4	A.St	10	•
Stornoway	1021·0	-2	NNW	3	0/r0	49	97	6	450	St	10	-	10	•
Wick	1016·7	-3	NW	3	0/r0	47	92	8	2500	Nb	6	A.St	10	•
Castlebay	1023·7	-1	NW	4	opr0	50	85	7	800	St	10	-	10	•
Nairn	•	•	•	•	•	•	•							•
Aberdeen	1016·8	-3	NW	4	0/r0	51	92	7	1500	Nb	10	-	10	1
Malin Head	1024·9	-2	NW	4	0/f	51	95	8	2500	StCu	10	-	10	•
Renfrew	1020·7	-3	W	3	0-	53	75	8	5700	StCu	6	A.St	10	0
Edinburgh (Inchkeith)	1017·8	-3	W	3	0/r0	52	85	8	-	Nb	3	CiSt	10	•
Leuchars	1017·8	-4	NW	4	0	57	65	8	2500	StCu	7	A.St	10	0
Eskdalemuir	1018·8	-4	W	5	0	55	65	7	2500	StCu	4	A.St	10	0
Tynemouth	1016·5	-6	WNW	2	c/f	63	65	6	1500	Cu	8	-	8	•
Blacksod Point	1027·5	-2	N	4	0	52	85	8	-	-	0	A.St	10	•
Donaghadee	1022·9	-2	NNE	3	0+	52	85	8	2500	St	10	-	10	•
Birr Castle	1025·3	•	N	3	c-	60	75	7	4000	StCu	8	-	8	•
Holyhead	1023·0	-2	NNW	4	0	50	97	8	800	St	10	-	10	0
Liverpool (Bidston)	1021·1	-2	W	3	0	51	92	7	2500	StCu	10	-	10	•
Chester (Shotwick)	1021·2	-2	NW	4	0	54	85	6	1500	St	10	-	10	0
Spurn Head	1019·5	-2	SE	1	0	54	75	7	4000	StCu	10	-	10	•
Birmingham (Edgbaston)	1014·3	-3	NW	4	c	62	65	7	-	-	0	A.St	8	0
Nottingham	1018·8	-3	ESE	2	0	62	65	7	2500	Nb	4	A.St	10	•
Cranwell	1020·1	-2	E	1	0+	60	65	6	4000	Cu	3	CiSt	10	0
Gorleston	1019·4	-2	NE	3	0+	58	65	7	4000	StCu	10	-	10	•
Valencia (Cahirciveen)	1025·6	-1	NNW	3	c⊕	58	75	8	1500	St	1	CiSt	8	0
Roches Point	1023·7	-2	NW	4	0	67	75	8	-	-	-	A.St	10	•
Pembroke (St. Ann's H.)	1022·5	-2	NWW	3	0	55	85	8	-	-	0	A.St	10	•
Ross-on-Wye	1018·9	-4	NW	1	0⊕	70	55	8	5700	Cu	3	CiSt	10	0
Benson	1017·8	-5	SSW	1	c+	69	55	7	-	Cu	7	-	7	0
Andover	1019·0	-3	WNW	1	0⊕	68	55	7	4000	Cu	2	CiSt	10	0
S. Farnborough	1019·0	-4	W'S	3	0⊕	69	55	6	-	-	0	CiSt	10	0
London (Kew Obsy.)	1018·7	-5	SW	2	b	66	55	6	-	-	0	-	0	0
Croydon	1018·7	-4	SW'W	2	0⊕	67	55	6	-	-	0	CiSt	10	0
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1019·1	-2	SE	3	c⊕	59	65	6	-	-	0	CiSt	8	•
Grain	1018·9	-4	-	0	0+	61	65	7	-	-	0	A.St	10	0
Lympne	1019·2	-4	SW	3	0⊕	58	75	7	4000	Cu	1	CiSt	9	0
Scilly (St. Mary's)	1022·6	-1	NE	4	b	59	85	6	4000	StCu	3	-	3	•
Falmouth (Pendennis)	1021·1	-2	N	3	b+	65	65	7	4000	Cu	2	-	2	•
Plymouth (Cattewater)	1021·2	-2	S	2	b	57	85	6	-	-	0	CiSt	2	0
Portland Bill	1021·5	-4	SW	2	0+	54	85	6	-	-	0	A.St	10	•
Southampton (Calshot)	1019·8	-4	SWW	4	c⊕	60	65	6	-	-	0	CiSt	10	0
Dungeness	1020·0	-2	SW	3	bc	54	65	7	-	-	0	CiCu	5	•
Jersey	1019·3	0	N	4	bc	57	65	8	-	-	0	A.Cu	6	•

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	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1015·4	-2	NE	3	0-	45	75	7	5700	StCu	6	A.Cu	9	2
Stornoway	1017·1	-6	NNW	3	0/r0	49	97	6	450	St	10	-	10	2
Wick	1015·1	-2	N	1	0/r-	45	92	8	1500	Nb	8	A.St	10	0
Castlebay	1019·2	-6	WNW	4	opr0	49	97	6	800	Nb	10	-	10	4
Nairn	1016·6	•	NW	1	od0	48	92	7	2500	Nb	10	-	10	•
Aberdeen	1015·2	-2	N	2	0/r0	46	97	7	1500	Nb	10	-	10	0
Malin Head	1021·6	-3	WNW	5	i/mo	49	97	7	1500	St	10	-	10	1
Renfrew	1017·6	-3	WNW	4?	0	52	75	8	2500	StCu	10	-	10	*
Edinburgh (Inchkeith)	1016·9	-2	NNW	3	0	51	85	8	-	Cu	2	A.St	10	2
Leuchars	1015·0	-3	NW	4	0/r0	54	65	8	2500	Nb	9	A.St	10	*
Eskdalemuir	1015·8	-4	WNW	5	0	52	65	7	2500	StCu	10	-	10	•
Tynemouth	1014·9	-4	--	0	0r	49	92	6	800	Nb	10	-	10	1
Blacksod Point	1025·8	-2	NW	4	0	51	75	8	-	-	0	A.St	10	4
Donaghadee	1019·8	-3	WNW	3	c-	52	75	8	1500	St	8	-	8	3
Birr Castle	1024·8	•	NW	2	0+	57	75	7	4000	StCu	9	-	9	•
Holyhead	1020·2	-3	NNW	4	0	51	85	8	2500	Nb	6	A.St	10	2
Liverpool (Bidston)	1017·9	-4	W	5	0	50	85	8	2500	St	10	-	10	5
Chester (Shotwick)	1018·0	-3	WNW	5	0	51	85	7	1500	StCu	6	A.St	10	•
Spurn Head	1013·7	-6	ENE	3	0R	50	85	7	1500	Nb	10	-	10	3
Birmingham (Edgbaston)	1016·6	-4	NNW	5	0+	51	85	5	4000	St	10	-	10	•
Nottingham	1015·1	-3	WNW	4	0	54	85	6	2500	St	10	-	10	•
Cranwell	1015·0	-5	W	4	0	55	85	6	2500	St	6	A.St	10	•
Gorleston	1014·8	-4	SE	2	0/St	56	92	7	4000	Nb	5	CiSt	10	0
Valencia (Cahirciveen)	1025·3	-1	NNW	5	c	54	75	8	5700	StCu	2	A.Cu	8	0
Roches Point														
Pembroke (St. Ann's H.)	1021·?	-2	N	4	0	51	85	8	4000	StCu	10	-	10	2
Ross-on-Wye	1017·?	-3	NE	1	0	59	75	7	4000	CuNb	7	A.St	10	*
Benson	1015·?	-4	NW	3	0	63	65	8	-	-	0	A.St	10	•
Andover	1015·4	-3	WNW	3	0	62	65	7	2500	St	10	-	10	•
S. Farnborough	1014·3	-4	W	2	mmo	69	45	6	2500	StCu	10	-	10	•
London (Kew Obsy.)	1014·2	-6	W	2	0	64	55	7	4000	StCu	2	A.St	10	•
Croydon	1014·3	-5	W'S	2	0	64	55	7	4000	Cu	2	A.St	10	•
Clacton-on-Sea	1013·7	-6	ESE	3	0+	52	92	6	-	-	0	A.St	10	1
Shoeburyness	1013·0	-6	SSE	2	mmo	61	75	6	-	-	0	CiSt	10	*
Grain	1013·4	-4	WSW	4	0/r	62	75	7	2500	St	5	A.St	10	0
Lympne	1014·0	-5	SW	3	0/r0	51	85	6	1500	Nb	4	A.St	10	•
Scilly (St. Mary's)	1020·8	-2	NNE	3	0	54	85	7	-	-	0	A.St	10	4
Falmouth (Pendennis)	1019·2	-2	N	5	0+	59	75	8	4000	StCu	10	-	10	0
Plymouth (Cattewater)	1018·3	-2	NNW	2	0+	59	75	8	-	-	0	A.St	10	0
Portland Bill	1020·1	-3	SW	2	0+	55	85	6	-	-	0	A.St	10	1
Southampton (Calshot)	1016·0	-5	WSW	5	0	54	85	6	5700	St	5	A.St	10	0
Dungeness	1015·1	-6	SW	4	0/jp	52	85	7	-	-	0	A.St	10	4
Jersey	1016·9	-1	NW	3	c	57	65	8	-	-	0	CiSt	8	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. Yesterday	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day
	24 Hours ended 0900 G.M.T. 4th										
Kew (24 hours ended 0700)	bcmbzy	bzyooy	ozoj̇c	•	•	46	-	02	8·5	•	•
Croydon (24 hours ended 0700)	bomzy	ozy⊕	omṙ.ṙ	•	•	43	-	1	8·5	•	•
Greenwich (Royal Obsy.)	bzm	bzmo	or	71	46	45	-	1	8·4	48	71
City (Bunhill Row)	•	•	•	•	•		•	-	5·0	•	•
Westminster (St. James' Pk.)	•	•	•	68	47	?		1	8·3	50	72
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	7·7	•	•
Camden Square	b	bbc	•	72	46	44	-	1		•	75
Kensington Palace	bc	bco	•	71	47	46	-	1	•	50 (18h)	70
Hampstead Observatory	•	•	•	69	43	41	-	1	8·5	•	77

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. 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 21 h. 30 m. to 4th 02 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5 0	- -	0
δ Ursae Minoris	5 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 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 1 sec.	Stren.	Direc. °
13h.	C.C1	6	-	160
18h.	C	5		80
01h.	C	6	-	120
07h.	C.C1	6	-	100

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

4th + 5th June, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.35 / 3.34	11.51 / 11.51	8.7 / 8.8
Greenwich	3.48 / 3.47	11.53 / 11.53	8.8 / 8.9
Wick	3.14 / 3.13	12.10 / 12.10	9.7 / 9.8
Valencia	4.26 / 4.25	12.39 / 12.39	8.52 / 8.53

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 33 feet above the ground.

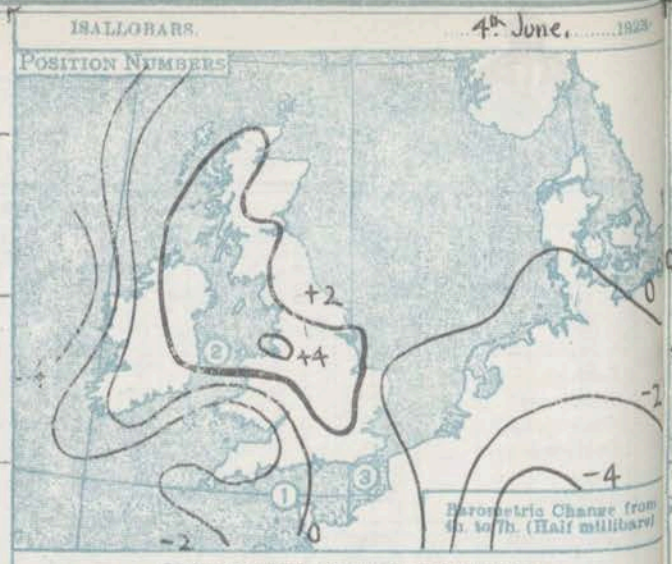
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell — Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell — Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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 3.

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	o	o	cd	c	47	41	•	–	trace	–	<2100	0.6
Stornoway	↑	↑	c	c	49	43	•	4	1	L0800	–	0.0
Wick	ottir₀	ottr₀	oo	opr₀	48	43	•	6	0.1	L0800	0630	•
Castlebay	odp	odp	dop	oob	51	47	•	0.1	0.3	1100	–	0.0
Nairn	cdpq	cdg	cpg	c	53	43	•	0.3	1	1100	<2100	0.0
Aberdeen	coir₀	oir₀	oir₀o	o	53	41	36	1	0.5	L0800	<2100	0.0
Malin Head	imro	ime	imd	idcv	52	47	•	trace	0.6	0900	<2100	0.0
Renfrew	owoo	oqoo	oo	ocm	57	42	35	–	–	–	–	0.9
Edinburgh (Inchkeith)	mo	p	ir₀	oo	57	44	41	–	1	–	<2100	0.0
Leuchars	oo	oir₀	oc	cdc	58	40	30	trace	–	–	–	0.2
Eskdalemuir	coo	oo	oo	opo	57	39	38	–	0.2	–	0130	0.6
Tynemouth	oiF	oirm	ir₀	oq	63	44	42	3	1	1330	<2100	•
Blacksod Point ...	oo	oo	c		54	46	•	–	0.6	–	–	•
Donaghadee	o	oo	od	c	54	45	•	–	trace	–	<2100	•
Birr Castle	co	co	compr	co	61	48	47	–	2	–	–	2.8
Holyhead	oo	oo	oir₀o	ocbo	51	49	46	–	trace	–	<2100	0.6
Liverpool (Bidston) ...	oo	oo		bcoq	52	46	41	–	–	–	–	0.0
Chester (Shotwick) ...	oom	omo	oq	occo	54	47	43	–	–	–	–	0.0
Spurn Head	cgs	copqr	r-d	oo	56	43	•	5	2	1530	<2100	0.5
Birmingham (Edgbaston)	cc	com	co	orr	63	44	43	–	3	–	0230	4.7
Nottingham	bc	oo	omr	ovc	63	44	41	–	1	–	2300	1.5
Cranwell	coz	om	ohr₀	oo	60	42	40	–	8	–	<2100	4.9
Gorleston	bcc	oipr₀	orr	ocprrq	58	45	43	trace	2	1530	<2100	3.2
Valencia (Cahirciveen)	obczc	coc	oo	opo	61	50	48	–	0.1	–	0330	7.4
Roches Point	bcco		oc.	o	63	49		–	–			
Pembroke (St. Ann's H.)	c	oo	oo	coqtr	60	48	•	–	1	–	0230	5.9
Ross-on-Wye	mbbcyc	oyo	og	qopc	70	46	45	–	1	–	0430	5.4
Benson...	bccz	co	oo	ro	71	46	46	–	1	–	2400	•
Andover	bccoy	o	o	o	69	47	46	–	–	–	–	8.5
S. Farnborough ...	bmcoz	oyz⊕	or₀	jpco	72	46	47	–	0.5	–	0230	7.3
London (Kew Obsy.) ...	bcmbz	bzyoo	ozo	opocpc	69	47	46	–	0.2	–	2400	8.5
Croydon	bomzg	ozg⊕	omr₀	or₀t₀	68	45	43	–	1	–	2400	8.5
Clacton-on-Sea ...	bcz	bccoz	ogz	ogzcpk	56	45	44	–	2	–	0330	6.9
Shoeburyness	b-bc	p	o	ocprc	63	45	44	0.6	2	1630	2400	8.3
Gain	bbco	cotoo	oer	orrc	63	46	44	trace	1	–	2400	7.5
Lympne	obo	omr₀	or₀rr	orrv	58	44	43	trace	1	1730	2400	8.6
Scilly (St. Mary's) ...	cbm	bcmcc	om	comd	60	49	•	–	0.1	–	0330	9.1
Falmouth (Pendennis)	bcm	bcmoc	oc	ocm	65	45	•	–	–	–	–	9.0
Plymouth (Cattewater)	cmb	bo	oqb	bbcq	62	50	49	–	–	–	–	8.4
Portland Bill	c	oo	oo	c	56	50	•	–	–	–	–	•
Southampton (Calshot)	bbc	om	r-d	oo	63	50	49	–	–	–	–	9.2
Dungeness	boc	c	oo	pq	55	47	•	–	1	–	0130	•
Jersey	bc	bco	o	o	59	48	•	–	2	–	–	10.5



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	5th 1010	Scotia	NNW	3	oq	51	49	8
3	4th 0200	Arundel	N	2	r	53	52	7

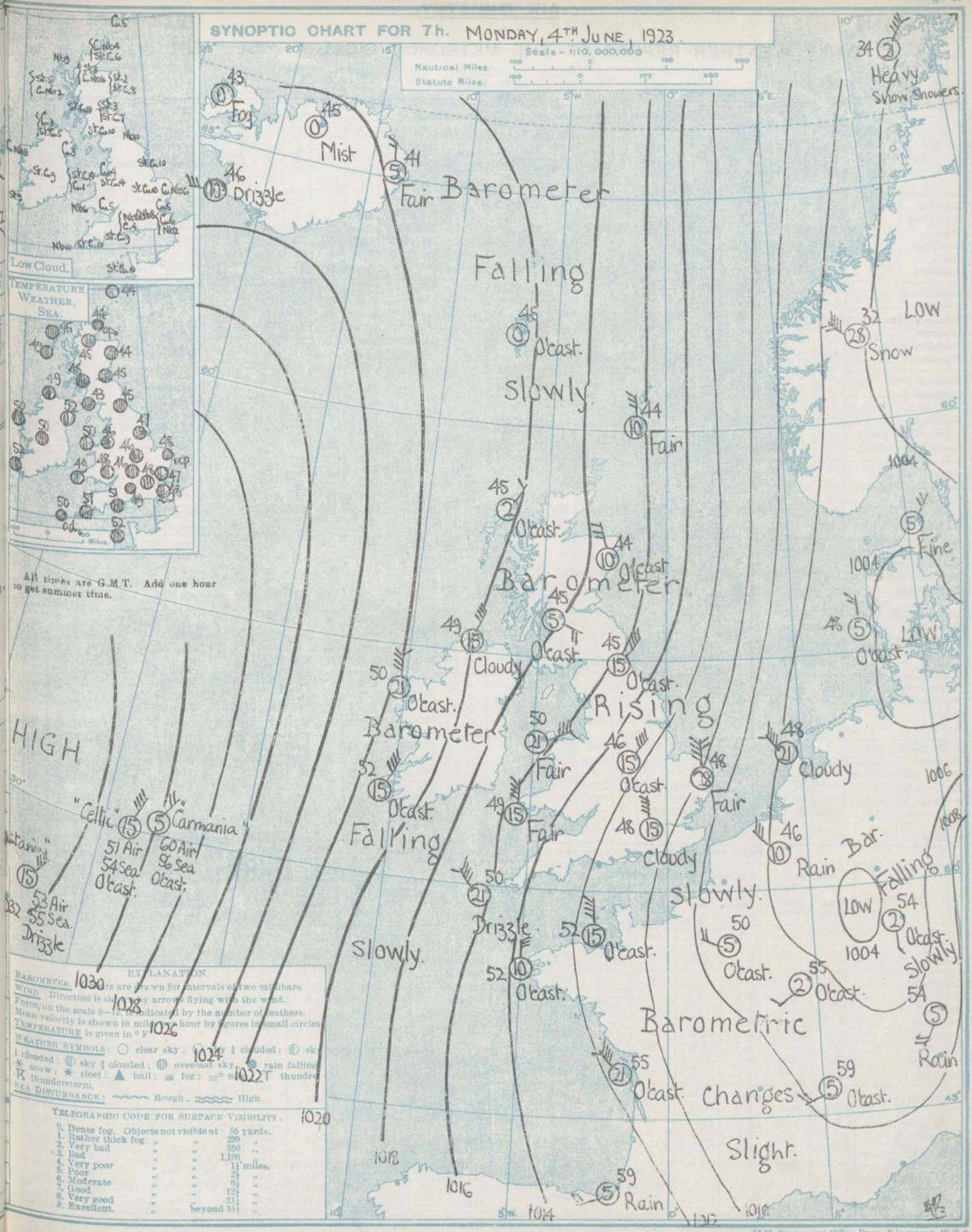
GENERAL INFERENCE.

The anticyclone off our Western Coasts will maintain a cool northerly wind current and weather will be changeable with alternations of bright and cloud periods and some thundery showers.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 4th June, 1923.	Further Outlook.
1. S.E. England 2. E. England	Fresh northerly wind, decreasing; variable sky, some thundery showers; visibility mainly good; cool.	
3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Northerly winds moderate or fresh, decreasing; variable sky, some thundery showers; visibility good; cool.	Cool and unsettled. -----
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 N., backing W. temporarily; variable sky, some rain or showers; visibility moderate to good; cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As for 3 - 9.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0850 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.....Monday, 4th June.....1923. No. 155.

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. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1017.7	+1	NNE	3	Cdb	43	85	7	4000	Nb	3	ASt	7	•
Stornoway	1018.8	+4	NE	3	0	•	•	•	•	•	•	•	•	•
Wick	1017.0	+2	NNW	2	0	44	75	8	5700	StCu	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1018.4	-1	NW'N	5	0D-	48	97	7	1500	St	9	-	9	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1016.1	+3	NE	3	0r6	45	92	8	-	StCu	9	-	9	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1014.3	0	N	5	0/r	45	85	7	1500	Nb	10	-	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1015.7	-2	NNW	5	0/r	50	92	8	1500	St	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1018.3	-1	N	6	0r	47	85	7	4000	Nb	10	-	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1012.7	-2	NNW	3	0r.6	47	97	6	1500	Nb	10	-	10	•
Gorleston	1010.1	-1	NW	2	0r.6	47	97	7	4000	Nb	10	-	10	•
Valencia (Cahirciveen)	1023.2	-2	NW	3	0+	50	92	7	-	-	0	9St	8	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1016.9	3	N	4	0	50	85	8	4000	StCu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	51	•	•	•	•	•	•	•	•
Croydon	1012.1	-3	NW	2	0r.6	49	85	6	800	St	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1011.9	-2	NNW	5	0rr	48	97	7	1500	Nb	10	-	10	•
Scilly (St. Mary's) ...	?	-1	NW	4	0	52	92	7	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1016.0	-1	N'W	5	0	51	92	7	4000	StCu	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1015.5	-2	NW	3	0	53	75	6	2500	St	10	-	10	•
Southampton (Ca. shot)	1012.9	-2	NNW	5	0	52	75	7	2500	StCu	10	-	10	•
Dungeness	1010.4	-2	N	4	0r	51	85	7	4000	Nb	10	-	10	•
Jersey 7h } ... ... 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. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1016.6	-1	N	3	bc	44	75	8	4000	StCu	5	ACu	6	2
Stornoway	1020.4	+1	NNE	1	0	45	92	7	4000	Nb	9	-	9	1
Wick	1018.3	+2	NNW	2	0pr.	44	75	8	4000	StCu	10	-	10	1
Castlebay	1020.4	+1	NNE	4	C-	49	75	8	2500	St	7	-	7	3
Nairn	1019.2	•	NW	1	c/r	45	85	8	1500	CuNb	7	-	7	•
Aberdeen	1017.6	+1	NNW	3	0	44	75	8	1500	StCu	10	-	10	0
Malin Head	1019.8	+2	N'E	4	C-	49	92	9	4000	StCu	8	-	8	3
Renfrew	1017.9	+3	ESE	2	0+	45	85	6	4000	StCu	10	-	10	•
Edinburgh (Inchkeith)	1017.5	+2	ENE	3	0	45	75	8	-	StCu	10	-	10	2
Leuchars	1017.5	+1	NNE	2	bc	48	65	8	4000	StCu	6	-	6	•
Eskdalemuir	1017.6	+1	NNE	4	0	43	75	8	2500	StCu	10	-	10	•
Tynemouth	1015.9	+1	NNE	4	0	45	75	7	1500	Nb	10	-	10	3
Blacksod Point ...	1021.6	-4	N	5	0	50	92	8	•	CuNb	9	-	9	5
Donaghadee	1017.9	+2	NNE	1	bc+	52	85	8	1600	Cu	3	CSt	5	2
Birr Castle	1019.4	•	NW	3	0	50	85	7	2500	StCu	9	-	9	•
Holyhead	1016.6	+2	NE'E	5	bc	50	85	8	4000	StCu	5	-	5	4
Liverpool (Bidston) ...	1016.8	+2	NNE	4	C+	46	76	9	1500	StCu	8	-	8	4
Chester (Shotwick) ...	1016.3	+4	NE	3	0+	47	75	7	2500	StCu	9	-	9	•
Spurn Head	1013.0	+2	N	7	0	47	75	7	4000	StCu	10	-	10	4
Birmingham (Edgbaston)	1014.9	+2	NE	4	0-	45	75	6	1500	CuNb	9	-	9	•
Nottingham	1014.0	+2	NE	4	0	46	85	7	2500	StCu	10	-	10	•
Cranwell	1013.9	+2	N'N	4	0-	45	85	6	800	Nb	9	-	9	•
Gorleston	1010.1	0	N	6	bc pr.	48	75	7	4000	CuNb	6	-	6	4
Valencia (Cahirciveen)	1021.2	-1	NNE	4	0	52	85	6	1500	St	9	-	9	3
Roches Point	1016.3	0	NW	4	0	50	85	9	4000	StCu	10	-	0	
Pembroke (St. Ann's H.)	1015.5	-3	N	4	bc-	49	97	8	2500	Nb	6	-	6	3
Ross-on-Wye	1014.4	+1	NE	3	C	46	85	6	4000	Cu	3	ACu	7	•
Benson...	1012.7	+2	N	4	0/r	46	85	9	•	Cu	9	-	9	•
Andover	1012.9	0	NNE	4	0	48	85	8	800	StCu	10	-	10	•
S. Farnborough ...	1011.8	+1	NE	4	0jp	49	75	8	2500	Nb	9	-	9	•
London (Kew Obsy.) ...	1012.5	+2	N	4	c	47	75	7	2500	CuNb	8	-	8	•
Croydon	1012.3	+2	N'E	4	0/r	46	85	7	800	St	9	-	9	•
Clacton-on-Sea ...	1010.4	+2	N	4	bc/r	47	85	7	4000	Cu			5	1
Shoeburyness	1011.2	+1	N	5	c/r	48	75	8	2500	CuNb		-	7	•
Grain	1011.1	+1	NNE	5	c-	49	75	9	1500	St	7	-	7	0
Lympne	1010.1	+1	N	5	cjp	46	85	9	800	St	8	-	8	•
Scilly (St. Mary's) ...	1017.4	-2	N'W	5	odd.	50	97	6	4000	Nb	10	-	10	5
Falmouth (Pendennis)	1015.3	-1	N	5	opr.	51	92	7	4000	StCu	10	-	10	0
Plymouth (Cattewater)	1013.2	-1	NNW	6	bcjp	51	92	7	1500	CuNb	2	ACu	5	0
Portland Bill	1012.9	-2	N	4	0+	51	85	7	4000	StCu	9	-	9	1
Southampton (Ca. shot)	1012.3	0	N	4	0	50	75	7	2500	St	10	-	10	0
Dungeness	1009.7	0	N	6	c/r	48	75	7	4000	Cu	8	-	8	6
Jersey 7h } ... ... Guernsey 1h }	1011.7	-1	N	4	0	52	85	8	4000	StCu	10	-	10	3

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

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. Sunrise to 17h. 3rd hr.	Sunshine. Sunrise to Sunset. 2nd hr.
Montrose			49	57	-	-	0.0	1.5
Llandudno	0	0	49	52	-	-	0.0	11.0
Colwyn Bay ...	bc	bcc	49	53	-	-	*	8.0
Rhyl...	bc	cc	44	52	-	-	0.7	11.6
Southport	0m	00	48	52	-	-	0.0	12.8
Blackpool	0m	0	48	53	-	-	0.0	14.1
Ilkley	b	c	45	62	-	-	1.5	7.9
Harrogate	bbc	cco	48	61	-	-	3.5	5.2
Skegness	0	000	37	52	-	-	0.5	0.6
Aberystwyth ...	occ	0	43	54	-	-	3.0	5.7
Bath	bbc	mo	39	69	-	-	7.2	2.9
Leamington Spa ...	cbg	cbou	35	66	-	-	5.5	3.9
Lowestoft	oco	0	38	54	-	-	3.0	0.6
Felixstowe	cbc	0	39	56	-	-	6.2	0.0
Southend	bcc	coop	41	64	-	-	8.0	0.0
Ilfracombe	bbc	cco	47	59	-	-	8.0	7.6
Bude	bcbc	bcco	40	60				
Penzance	b	bz	46	67	-	-	*	*
Paignton	bmb	co	44	68	-	-	8.9	2.4
Torquay	bb	bc	46	68	-	-	8.3	1.9
Weymouth	bo	o	40	64	-	-	8.5	1.0
Bournemouth ...	bb	b	37	65	-	-	9.1	2.3
Portsmouth (S'thsea)	bb	bco	41	64	-	-	9.6	0.0
Worthing	bb	bcc	40	58	-	-	9.9	0.0
Brighton	b	bco	41	56	-	-	9.3	0.0
Eastbourne	bb	bcco	44	57	-	-	9.3	0.0
Hastings	bcbb	bcco	45	55	-	-	8.7	0.0
Folkestone	bc	bc	46	55	-	-	8.1	0.0
Tunbridge Wells ...	o	bcco	37	67	-	-	8.9	0.0
Ramsgate	bcb	bbco	46	56	-	-	3.4	0.0
Margate	bcb	bo	45	59	-	-	6.4	0.0
Deal	ocbc	bbcco	45	60	-	-	7.0	0.0

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* 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.22,475 Tuesday 5th June 1923.

Observations at 1300 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	1015·5	-1	NNE	3	cpr₀	45	75	8	4000	CuNb	3	ACu	7	•
Stornoway	1019·5	-1	NNE	3	o+	49	85	7	800	St	10	-	10	•
Wick	1016·8	-1	NNW	2	o	46	75	8	2500	CuNb	8	ASt	10	•
Castlebay	1020·2	0	NW	4	bc	51	75	8	4000	StCu	4	-	4	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1017·3	-1	NNW	3	ojp	48	75	8	1500	Cu	10	-	10	0
Malin Head	1020·0	0	NNW	4	c	49	85	9	4000	StCu	8	-	8	•
Renfrew	1017·4	-2	WSW	2	o	53	65	8	5700	StCu	10	-	10	0
Edinburgh (Inchkeith)	1017·0	+2	ESE	3	c-	52	75	8	-	-	0	ACu	8	•
Leuchars	1016·7	-2	ESE	1	o	50	65	8	4000	StCu	10	-	10	0
Eskdalemuir	1017·2	-1	NW	2	o	49	65	7	2500	StCu	10	-	10	0
Tynemouth	1016·5	0	N	4	o	46	75	7	1500	StCu	10	-	10	•
Blacksod Point	1022·6	+1	N	4	o	53	75	8	*	StCu	10	-	10	•
Donaghadee	1018·4	0	NNW	3	bc	54	75	8	1500	Cu	5	-	5	•
Birr Castle	1019·9	*	NW	2	o	55	75	8	4000	StCu	9	-	9	•
Holyhead	1018·1	+0	NE'N	4	b	52	75	9	4000	Cu	1	ACu	2	0
Liverpool (Bidston)	1017·0	+1	NW'W	3	b-	51	65	8	2500	Cu	2	-	2	•
Chester (Shotwick)	1016·9	0	WNW	5	c	52	65	8	4000	Cu	6	-	6	0
Spurn Head	1014·0	0	NW	7	ojp	48	75	7	4000	StCu	10	-	10	•
Birmingham (Edgbaston)	1016·0	-0	NE	4	bc+	52	65	6	4000	StCu	6	-	6	1
Nottingham	1015·8	+1	N	4	o	49	75	7	1500	StCu	10	-	10	•
Cranwell	1015·8	+3	NNW	4	o	49	75	7	2500	StCu	10	-	10	0
Gorleston	1012·2	+2	NNW	5	o/r	49	65	6	4000	StCu	10	-	10	•
Valencia (Cahirciveen)	1021·8	+1	N	4	c-	55	75	8	2500	StCu	7	-	7	0
Roches Point	1019·6	0	NNE	3	o	57	75	9	4000	CuNb	9	-	9	•
Pembroke (St. Ann's H.)	1017·4	+2	N	5	bc	56	65	8	4000	Cu	4	-	4	•
Ross-on-Wye	1015·5	-0	NE	3	c-	53	55	7	4000	StCu	8	-	8	0
Benson	1014·8	+2	NNW	4	o	50	75	7	-	Cu	5	ASt	9	0
Andover	1014·8	+1	N'E	4	o	50	65	8	2500	StCu	10	-	10	0
S. Farnborough	1014·4	+3	NE	4	o	50	65	7	2500	StCu	10	-	10	0
London (Kew Obsy.)	1014·4	+2	N	4	o+	51	55	8	2500	StCu	10	-	10	1
Croydon	1014·3	+3	N	4	o/r	49	65	7	2500	StCu	10	-	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1012·8	+2	N	4	cpr₀	54	55	8	2500	CuNb	8	-	8	*
Grain	1013·1	+2	NNE	5	or	51	65	8	1500	StCu	10	-	10	0
Lympne	1012·2	+2	N'E	6	o	50	65	8	1500	StCu	10	-	10	0
Scilly (St. Mary's)	1016·6	+2	NNE	4	bc-	56	75	8	4000	Cu	6	-	6	•
Falmouth (Pendennis)	1015·6	0	N	4	bc+	56	75	8	4000	Cu	6	-	6	•
Plymouth (Cattewater)	1014·5	+1	NNE	4	o	60	55	8	2500	StCu	9	-	9	0
Portland Bill	1014·0	+4	NE	5	bc-	54	65	7	1500	Cu	6	-	6	•
Southampton (Calshot)	1014·7	+2	N	4	o-	53	65	8	2500	StCu	10	-	10	0
Dungeness	1011·8	+2	NE	5	c+	54	65	8	4000	StCu	8	-	8	•
Jersey	1013·9	+1	NE	4	bc	56	75	8	-	-	0	ACu	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	1014·3	0	NNW	2	cpr₀	42	75	8	4000	CuNb	5	ACu	8	1
Stornoway	1017·8	-2	NNE	3	o	48	85	7	800	St	10	-	10	2
Wick	1015·6	-1	NNW	2	o	45	85	8	4000	CuNb	7	ASt	10	1
Castlebay	1019·2	0	NW	4	o	47	85	8	1500	St	10	-	10	3
Nairn	1016·6	-	NNE	3	bc	47	75	8	4000	Cu	6	-	6	•
Aberdeen	1016·0	-1	NNW	3	ojp	47	75	8	1500	Cu	8	CiCu	9	0
Malin Head	1019·2	-1	NW	4	o	49	92	9	5700	StCu	7	ACu	9	3
Renfrew	1015·4	-2	WNW	3	o	53	65	8	4000	St	9	ASt	10	•
Edinburgh (Inchkeith)	1015·4	-1	E	3	o	49	75	8	-	St	4	ACu	10	2
Leuchars	1015·5	-2	SE	2	or₀	48	75	8	4000	StCu	10	-	10	•
Eskdalemuir	1015·7	-1	-	0	o	47	75	7	2500	StCu	10	-	10	•
Tynemouth	1015·9	-1	NNE	2	c-	47	75	7	4000	Cu	3	ACu	7	2
Blacksod Point	1022·5	0	NW'W	3	o	54	75	8	-	CuNb	9	-	9	4
Donaghadee	1018·0	0	NNW	3	c+	50	75	8	2500	St	8	-	8	4
Birr Castle	1019·7	-	NW	2	c-	56	65	8	4000	StCu	8	-	8	•
Holyhead	1018·0	-1	NNW	3	o+	49	85	9	2500	StCu	10	-	10	3
Liverpool (Bidston)	1015·9	-1	WNW	3	bc+	50	75	8	-	-	0	ACu	6	4
Chester (Shotwick)	1016·2	0	NW	5	c+	51	75	7	4000	StCu	7	CiCu	8	•
Spurn Head	1014·0	+1	NNW	6	o	47	75	8	1500	StCu	10	-	10	4
Birmingham (Edgbaston)	1015·3	0	NE	3	o	51	65	6	4000	St	10	-	10	•
Nottingham	1015·2	-1	NNE	4	bc-	49	75	7	4000	Nb	1	Ci	4	•
Cranwell	1016·1	0	NNW	4	o	46	85	8	2500	StCu	10	-	10	•
Gorleston	1012·8	+1	NNW	5	o	49	75	6	5700	StCu	10	-	10	4
Valencia (Cahirciveen)	1022·1	0	N'E	4	bc-	54	75	8	2500	StCu	4	-	4	3
Roches Point	1018·9	0	N	3	c	57	75	8	4000	StCu	7	-	7	0
Pembroke (St. Ann's H.)	1017·6	0	NNE	4	bc	52	75	8	4000	Cu	5	-	5	3
Ross-on-Wye	1015·3	-1	N'E	2	bc-	55	55	6	4000	Cu	4	-	4	•
Benson	1015·3	0	N	3	bc-	51	65	8	-	-	0	Ci	4	•
Andover	1015·0	0	NNE	2	c	52	65	6	4000	StCu	1	CiCu	8	•
S. Farnborough	1014·6	+1	NNW	3	o	50	65	7	4000	StCu	10	-	10	•
London (Kew Obsy.)	1014·6	0	N	3	o	50	65	6	4000	Cu	10	-	10	•
Croydon	1014·5	0	N	3	o	49	65	6	2500	Nb	10	-	10	•
Clacton-on-Sea	1013·2	+2	N	4	o	49	65	7	800	St	10	-	10	1
Shoeburyness	1013·8	+1	N	3	o+	48	65	8	2500	StCu	10	-	10	
Grain	1014·0	+1	N'E	4	o	49	65	8	1500	StCu	10	-	10	3
Lympne	1013·7	+2	N	5	o	47	75	8	1500	StCu	10	-	10	•
Scilly (St. Mary's)	1018·4	+1	N'E	4	b₁-	54	75	8	4000	Cu	1	-	1	4
Falmouth (Pendennis)	1016·5	+1	N	4	bc-	55	65	8	4000	Cu	5	-	5	0
Plymouth (Cattewater)	1015·7	+1	SSW	3	o	52	92	7	4000	StCu	9	-	9	0
Portland Bill	1015·4	0	NNE	2	bc	55	65	7	2500	Cu	4	-	4	7
Southampton (Calshot)	1015·2	+1	N	3	o-	53	55	7	4000	StCu	7	ASt	9	0
Dungeness	1012·8	+1	NNE	5	c-	51	65	8	4000	StCu	8	-	8	5
Jersey	1014·8	0	N	3	b	53	65	8	-	-	0	-	0	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. 5th								Yesterday.		To-day.
Kew } 24 hours ended 0700	ocoy	oyo	ozom	*	*	33	-	-	3.3	*	*
Croydon } 24 hours ended 0700	op₀z	oz	bcmo	*	*	34	tr.	-	1.2	*	*
Greenwich (Royal Obsy.)	oc	oc	cr₀od	53	42	36	-	·03	1.7	?	80
City (Bunhill Row)	*	*	*	*	*	*	*	*	1.6	*	*
Westminster (St. James' Pk.)	*	*	*	58	44	39	-	-	1.7	63	74
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	1.6	*	*
Camden Square	o	oc	*	61	42	39	-	-	*	*	76
Kensington Palace	o	o	*	53	43	35	-	-	*	67 (18h)	74
Hampstead Observatory	*	*	*	54	40	34	-	tr.	2.3	*	78

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

South Kensington	Max.	Time.	Min.	Time.
	0.3	3rd 18h	<0.3	4th 05h
	0.3	4th 12h		
Kew Observatory				
	04	3rd 19h	<0.3	4th 11h
	04	4th 11h		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 4th 21 30 m. to 5th 02 30 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	5.0	1.56	39
δ Ursae Minoris	5.0	1.39	33

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.	C₁	5	-	160
18h.	C	4	-	-
01h.	C	6	-	90
07h.	C	5	-	110

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

5th-6th June, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3-34 3-34	11-51 11-51	8-8 8-9
Greenwich	3-47 3-47	11-58 11-58	8-9 8-9
Wick	3-13 3-12	12-10 12-10	9-8 9-9
Valencia	4-25 4-25	12-39 12-39	8-53 8-54

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.
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.

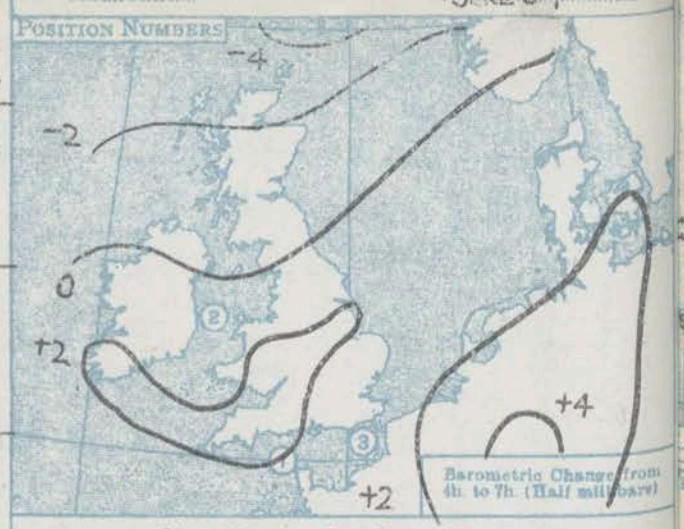
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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. 4th.	13h.-18h. 4th.	18h. 4th. to 1h. 5th.	1h.-7h. 5th.	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. 4th. Hours.
Lerwick	cpr	cpr	b	c	47	38	•	0.1	-	<0800	-	5.1
Stornoway	c	o	c	oo	49	45	•	-	-	-	-	0.5
Wick	op	opod	op.r	rcir	48	42	•	trace	7	<0800	<2100	•
Castlebay	cbc	bco	bp	opdd	52	46	•	-	1	-	-	5.0
Nairn	cd	cdq	cg	cg	53	44	•	0.4	-	0900	-	1.5
Aberdeen	cbcco	cojp	op.ro	ccbc	50	42	38	-	0.2	-	<2100	2.7
Malin Head	cov	cov	imd	imd	51	46	•	-	0.5	-	2200	6.1
Renfrew	omo	oo	or.m	omnbc	58	34	27	-	trace	-	<2100	0.7
Edinburgh (Inchkeith)	c	c	p	cm	53	42	32	trace	0.3	-	<2100	2.9
Leuchars	co	o	or.ob	bobc	52	35	30	trace	0.3	-	<2100	1.8
Eskdalemuir	oo	o	op.c	cbc	51	31	28	-	trace	-	<2100	1.7
Tynemouth	oo	oc	r-d	bbcm	48	41	38	-	0.2	-	2200	•
Blacksod Point ...	oo	c	c		54	46	•	-	0.5	-	-	•
Donaghadee	bc	c	o	o	54	48	•	-	-	-	-	•
Birr Castle	co	co	co	co	58	47	44	-	-	-	-	4.3
Holyhead	bv bv	bvcov	oo	oo	53	48	47	-	-	-	-	9.5
Liverpool (Bidston) ...	ocbc	bbc	f-m		54	46	44	-	-	-	-	8.5
Chester (Shotwick) ...	oc	cbc	cc	occbm	54	47	44	-	-	-	-	7.2
Spurn Head	p	oco	oo	opcp	49	43	•	-	0.1	-	2400	1.3
Birmingham (Edgbaston)	obc	bcz	com	oom	53	41	41	-	-	-	-	3.2
Nottingham	oo	c	bc	or	51	41	37	-	2	-	0230	0.7
Cranwell	ir	o	c	oorc	49	39	34	trace	1	<0800	0330	0.5
Gorleston	ogp.o	og	oo	ocpr	51	43	40	trace	trace	1100	0330	1.8
Valencia (Cahirciveen)	c	cbc	bc	copo	58	49	44	-	0.4	-	0530	6.9
Roches Point	co	oc	oo	o	62	49		-	-	-	-	
Pembroke (St. Ann's H.)	c	bbc	oo	oo	57	48	•	-	-	-	-	11.3
Ross-on-Wye	oco	bcyzczy	oco	c	56	45	43	-	-	-	-	5.8
Benson...	oo	ocbc	bcco	ooz	53	43	39	-	trace	-	-	•
Andover	oo	ocbc	cm	cm	55	39	35	-	-	-	-	4.2
S. Farnborough ...	oo	o	o	o	54	43	39	-	-	-	-	3.5
London (Kew Obsy.)...	ocoy	oyo	ooz	ozomw	52	43	33	-	-	-	-	3.3
Croydon	op.z	oz	ozm	bcmo	51	41	34	trace	-	<0800	-	1.2
Clacton-on-Sea ...	bccpc	co	o	oc	53	42	40	1	-	<0800	-	4.8
Shoeburyness	cprobcc	o	o	c	55	40	39	0.1	-	<0800	-	6.3
Grain	popro	o	oo	oo	55	43	40	trace	-	1100	-	3.9
Lympne	cvpro	o	o	o	53	41	39	trace	-	0900	-	5.8
Scilly (St. Mary's) ...	omdc	bc	bcc	bcc	56	47	•	0.2	-	<0800	-	10.7
Falmouth (Pendennis)	bc	bc	bc	bcc	59	48	•	-	-	-	-	6.3
Plymouth (Cattewater)	opco	oyo	ob	bbcc	60	47	40	trace	-	<0800	-	2.8
Portland Bill	c	bbc	c	c	57	51	•	-	-	-	-	•
Southampton (Calshot)	oo	co	c	c	57	40	40	-	-	-	-	5.5
Dungeness	c	o	c	c	55	43	•	-	-	-	-	•
Jersey	obc	bcb	o	obc	57	43	•	-	-	-	-	6.5

ISALLOBARS. JUNE 5th, 1923.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	4th 1000	Scotia	NNE	4	cv	49	49	•
3	5th 0300	Brighton	N	4	c	47	52	8

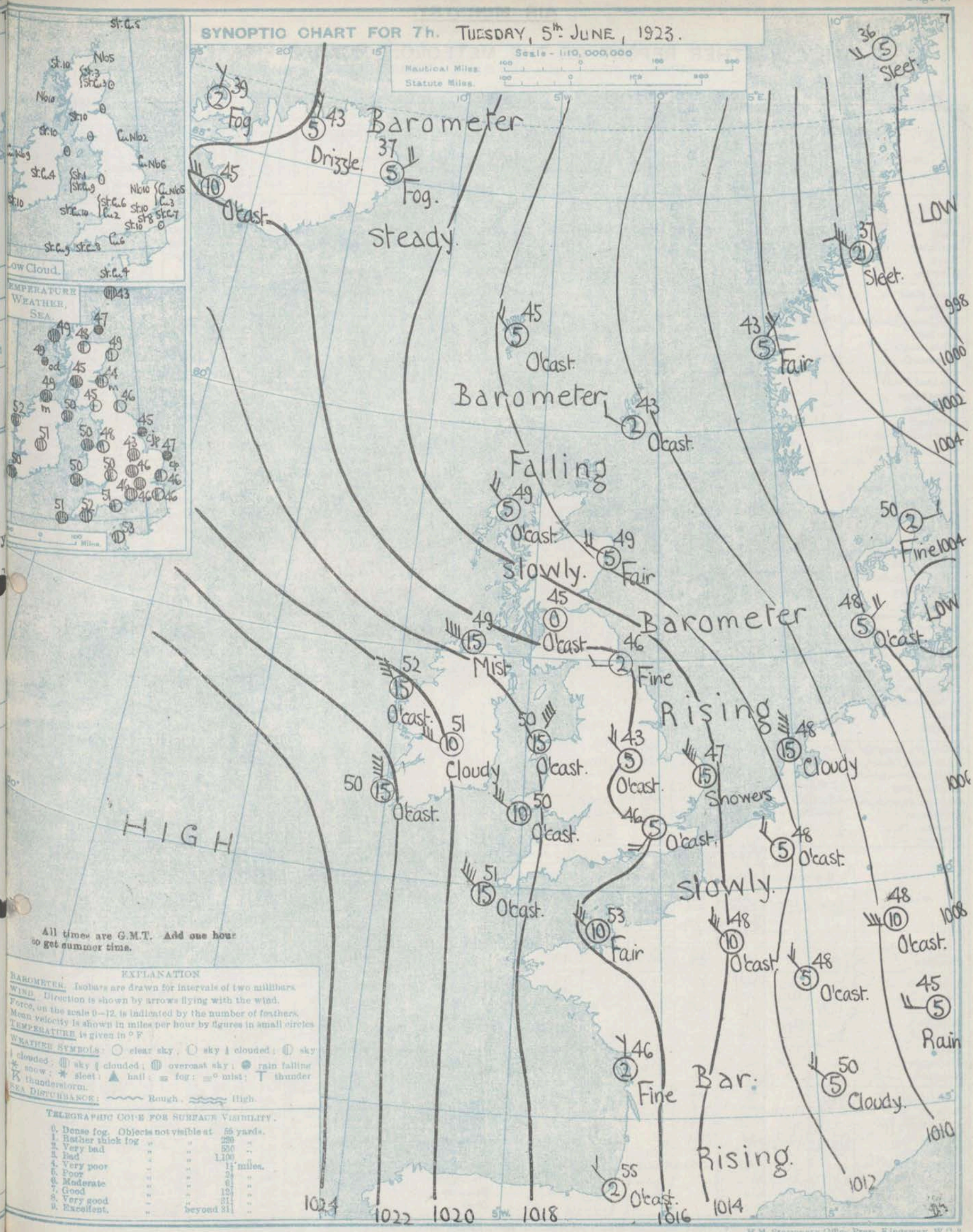
GENERAL INFERENCE.

Pressure continues high between Eastern Greenland and the Azores and the resultant northerly wind current will maintain cool weather over our area. Cloud will be variable and some showers will occur more particularly in the North and East.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 5th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind N.W. moderate; variable sky, local showers, brighter intervals; visibility moderate to good; cool.	
4. W. Midlands 5. S.W. England 6. South Wales	Wind N.W. moderate; cloudy, some bright intervals; visibility good; cool.	Cool and 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	Moderate N.W. to N. winds; variable sky, some bright intervals, some showers of rain; visibility moderate; cool.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind N.W. to N. light or moderate; cloudy, some rain then fairer; visibility moderate to good; cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind N.W. moderate or fresh; cloudy some brighter intervals; visibility mainly good; cool.	

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

† For Code see opposite page



All times are G.M.T. Add one hour to get summer time.

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; K 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	"

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Tuesday.....5th.....June.....1923. No. 156.

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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1013.6	-1	NW	1	b+	39	75	7	-	-	0	A St	3	•
Stornoway	1016.8	-2	N	2	0	•	•	5	•	•	•	•	•	•
Wick	1014.3	-1	WNW	1	cpc	42	97	8	4000	CuNb	6	A St	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1017.7	-1	WSW	1	odd	47	97	7	1500	St	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1016.0	+2	WNW	1	bc	43	97	8	•	StCu	5	-	5	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1015.8	0	N	1	orr	44	85	6	800	Nb	10	-	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1017.1	-1	N'W	5	0	48	97	8	2500	StCu	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1019.5	-1	NNW	4	orr	45	85	7	1500	St	10	-	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1016.4	+1	NNW	1	0+	42	92	6	2500	St	10	-	10	•
Gorleston	1013.2	0	NNW	3	0	45	75	7	5700	StCu	10	-	10	•
Valencia (Cahirciveen)	1024.1	+3	NW	2	c+	51	92	8	•	StCu	8	-	8	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1018.3	-2	N	3	0	49	75	8	2500	StCu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	46	•	•	•	•	•	•	•	•
Croydon	1015.6	0	NW	2	0	43	85	6	4000	StCu	6	A Cu	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1015.1	0	NNW	3	0	43	85	7	4000	StCu	10	-	10	•
Scilly (St. Mary's) ...	1019.5	0	NNW	2	bc	50	85	8	4000	StCu	3	-	3	•
Falmouth (Pendennis)	1018.3	+2	N	4	c	50	85	7	4000	Cu	8	-	8	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1015.1	-3	NNW	1	0+	52	85	7	-	-	0	A St	10	•
Southampton (Ca.shot)	1016.0	0	N	2	0	47	75	8	2500	StCu	10	-	10	•
Dungeness	1014.0	0	N	3	bc	43	85	8	4000	StCu	6	-	6	•
Jersey 7h }														•
Guernsey 1h }														•

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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1011.3	-4	WNW	1	0	43	75	7	1200	StCu	5	A St	9	0
Stornoway	1012.9	-3	NW	2	0	49	97	6	800	St	10	-	10	1
Wick	1011.7	-2	NW	2	or	47	92	8	1500	Nb	5	A St	10	0
Castlebay	1015.1	-1	WNW	3	odd	49	97	6	850	Nb	10	-	10	3
Nairn	1013.0	•	-	0	bc	48	75	8	1500	St	6	-	6	•
Aberdeen	1013.7	-1	WNW	2	bc	49	75	8	-	-	0	A Cu	4	0
Malin Head	1016.9	0	WNW	4	mmo	49	97	7	800	St	10	-	10	3
Renfrew	1015.7	0	-	0	o+	45	92	5	5700	StCu	10	-	10	•
Edinburgh (Inchkeith)	1014.9	-2	W	3	mc	44	85	6	-	-	0	A Cu	7	2
Leuchars	1014.4	-2	SW	2	bc	47	85	8	7200	StCu	3	A Cu	6	•
Eskdalemuir	1016.0	0	SE	3	b	45	85	8	-	-	0	Ci Cu	3	•
Tynemouth	1016.3	0	W	1	b	46	85	6	1500	CuNb	2	Ci Cu	3	1
Blacksod Point ...	1021.9	-1	NW	4	0	52	85	7	•	CuNb	9	-	9	4
Donaghadee	1017.4	0	WNW	1	o	50	85	8	-	-	0	A St	9	2
Birr Castle	1019.9	•	WNW	3	c	51	97	8	4000	StCu	4	Ci Cu	7	•
Holyhead	1017.3	+1	NE	4	0	50	92	8	2500	StCu	10	-	10	3
Liverpool (Bidston) ...	1016.4	+1	ENE	1	bc	48	75	4	-	-	0	A St	4	2
Chester (Shotwick) ...	1017.1	+2	NE	3	b	50	75	5	2500	St	2	-	2	•
Spurn Head	1015.3	+2	NW	4	cjp	45	92	7	4000	CuNb	6	Ci	8	3
Birmingham (Edgbaston)	1016.8	+1	NE	4	odd	42	92	4	1500	Nb	10	-	10	•
Nottingham	1016.1	+2	NNW	2	0	43	85	5	1500	Nb	10	-	10	•
Cranwell	1016.5	0	NNW	3	0	42	97	7	1500	StCu	9	-	10	•
Gorleston	1014.3	0	NNW	4	cpr	47	75	7	2500	CuNb	8	-	8	0
Valencia (Cahirciveen)	1023.6	+2	NW	4	0	50	92	7	1500	St	10	-	10	3
Roches Point	1020.8	0	NNW	4	0	50	92	8	4000	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1018.8	0	NW	3	0	50	85	8	4000	StCu	10	-	10	2
Ross-on-Wye	1016.[illegible]	0	WNW	3	c	50	75	9	4000	StCu	8	-	8	•
Benson...	1015.[illegible]	+1	[illegible]	0	0	46	85	6	•	St	10	-	10	•
Andover	1016.9	0	NNW	3	bc	48	85	7	2500	StCu	6	-	6	•
S. Farnborough ...	1016.1	0	NNW	1	0	46	85	7	2500	St	10	-	10	•
London (Kew Obsy.) ...	1016.1	+1	SW	2	0	46	75	6	2500	St	8	A St	10	•
Croydon	1016.1	+1	NNW	1	0	44	85	6	4000	StCu	10	-	10	•
Clacton-on-Sea	1014.8	+1	NNW	4	c	46	75	7	4000	StCu	7	-	7	0
Shoeburyness	1015.4	0	NNW	2	c	46	75	7	-	-	0	A Cu	8	1
Grain	1015.8	+1	NNW	3	0	45	85	7	5700	StCu	10	-	10	0
Lympne	1014.9	+1	N	4	0	44	75	8	2500	St	6	A Cu	9	•
Scilly (St. Mary's) ...	1019.6	0	NNW	4	o-	51	85	8	4000	StCu	9	-	9	4
Falmouth (Pendennis)	1018.6	+2	N	4	c	52	75	8	5700	StCu	8	-	8	0
Plymouth (Cattewater)	1017.9	+2	NNW	3	c	51	75	8	4000	StCu	6	A St	8	0
Portland Bill	1015.0	+4	N	2	bc	51	65	7	2500	Cu	6	-	6	0
Southampton (Ca.shot)	1015.8	0	SW	3	bc	49	75	7	5700	StCu	5	-	5	0
Dungeness	1014.9	0	N	3	bc	46	75	8	-	-	0	A Cu	6	2
Jersey 7h }	1015.3	0	NW	3	bc	53	85	8	4000	StCu	4	-	4	3
Guernsey 1h }														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 3rd-4th. °F.	Temperature. Max. Day. 4th. °F.	Rainfall.† Night 17h.-9h. 3rd-4th. mm.	Rainfall.† Day 9h.-17h. 4th. mm.	Sunshine. Sunrise to 17h. 4th. hr.	Sunshine. Sunrise to Sunset. 3rd. hr.
Montrose	*	*	41	54	-	-	4·4	0·0
Llandudno	bc	bbc	48	53	1	-	9·5	0·0
Colwyn Bay ...	bc	bc	48	54	-	-	9·8	0·0
Rhyl...	bc	bc	48	53	0·2	-	11·7	0·7
Southport	cbcb	bbcc	45	54	-	-	9·6	0·0
Blackpool	bc	co	48	57	0·2	-	7·6	0·0
Ilkley	c	bc	42	52	1	-	2·6	1·5
Harrogate	o	o	41	51	2	-	0·4	3·5
Skegness	o	o	44	50	3	-	1·1	0·8
Aberystwyth ...	ocb	b	48	57	1	-	10·0	3·5
Bath	oc	cbcbm	49	57	-	-	4·8	7·2
Leamington Spa ...	o	ocb	44	54	1	-	2·5	5·5
Lowestoft	oco	o	44	50	2	-	2·1	3·0
Felixstowe	op	co	47	53	5	0·2	4·5	6·2
Southend	oco	oco	45	55	2	-	5·3	6·0
Ilfracombe	ocbcb	b	50	59	-	-	8·1	8·0
Bude	ocbc	bccbc	50	59	-	-	5·0	8·2
Penzance	cbc	bcb	50	60	0·3	-	*	*
Paignton	cabcc	bz	51	59	-	-	6·6	8·7
Torquay	cbcc	bcbb	51	60	-	-	7·6	8·3
Weymouth	cbc	bc	50	61	-	-	8·7	8·5
Bournemouth ...	cb	cbc	49	58	-	-	7·0	9·1
Portsmouth (S'thsea)	bcbc	c	49	56	-	-	4·9	9·6
Worthing	oc	bc	49	55	-	-	6·3	9·9
Brighton	c	c	49	56	-	-	6·1	9·3
Eastbourne	c	co	48	58	0·4	-	5·0	9·3
Hastings	ocbcc	cbcco	47	55	2	-	4·9	8·7
Folkestone	p	c	45	55	2	0·2	7·9	8·4
Tunbridge Wells ...	c	co	46	54	1	-	2·5	8·9
Ramsgate	bc	bcco	46	55	3	-	6·9	6·4
Margate	bcc	c	40	51	3	-	5·0	6·3
Deal	rcbc	bcco	46	55	3	-	6·0	7·0

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* 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. B22476 WEDNESDAY 6th JUNE 1923.

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.¹	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	1009·1	-2	WSW	2	or₀+	47	75	6	4000	Nb	5	ASt	10	•
Stornoway	1011·3	-2	NW	4	o/r	51	92	6	800	St	10	-	10	•
Wick	1009·4	-4	NW	1	orr	48	97	8	2500	Nb	10	-	10	•
Castlebay	1015·0	0	W	4	odd	50	97	6	800	Nb	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1011·4	-3	WSW	1	or	51	85	7	2500	Nb	6	ASt	10	0
Malin Head	1016·9	+0	WˡN	4	mmo	51	92	7	1500	St	10	-	10	•
Renfrew	1013·5	-3	WSW	3	or₀r₀	53	92	7	1500	Nb	10	-	10	1
Edinburgh (Inchkeith)	1011·8	-3	WSW	4	or₀r₀	50	97	6	-	Nb	5	ASt	10	•
Leuchars	1011·9	-4	W	2	or₀	54	75	6	1500	Nb	10	-	10	1
Eskdalemuir	1013·3	-2	SW	4	opr₀	51	75	6	1500	Nb	10	-	10	1
Tynemouth	1014·0	-2	W	2	c+	54	65	6	2500	CuNb	3	ACu	8	•
Blacksod Point	1022·0	+1	NW	4	o	55	75	8	-	Cu	10	-	10	•
Donaghadee	1016·9	0	WNW	1	od₀	52	95	8	1500	St	10	-	10	•
Birr Castle	1020·5	*	NW	2	o+	55	97	7	4000	Cu	9	-	9	•
Holyhead	1017·8	0	WSW	3	od₀	51	97	6	450	St	10	-	10	5
Liverpool (Bidston)	1016·4	0	W	3	c+	53	65	7	2500	St	3	CiCu	8	•
Chester (Shotwick)	1016·4	-0	NW	4	o+	58	55	7	4000	StCu	9	-	9	0
Spurn Head	1015·9	0	E	1	bc-	50	65	8	4000	Cu	4	-	4	•
Birmingham (Edgbaston)	1016·4	0	N	2	b	55	55	6	5700	Cu	3	-	3	0
Nottingham	1015·9	-1	WSW	2	c	53	65	6	2500	CuNb	1	CiSt	7	•
Cranwell	1016·6	0	NW	3	bc	54	65	8	2500	Cu	5	-	5	0
Gorleston	1015·1	+1	N	4	bc-	50	65	7	2500	CuNb	5	-	5	•
Valencia (Cahirciveen)	1023·8	0	NˡW	4	o	53	85	7	1500	St	10	-	10	1
Roches Point	1020·6	0	NNW	3	c	59	[illegible]	8	[illegible]	StCu	7	-	7	•
Pembroke (St. Ann's H.)	1019·1	0	NNW	3	c	53	85	8	2500	StCu	7	-	7	•
Ross-on-Wye	1016·3	0	NNE	2	bc	59	55	8	4000	Cu	4	-	4	0
Benson	1017·0	+1	N	2	c/r	53	75	6	-	Cu	8	-	8	1
Andover	1016·4	+1	NNW	1	c	58	65	8	4000	Cu	7	-	7	0
S. Farnborough	1016·4	+1	N	3	c-	57	65	7	2500	Cu	8	-	8	0
London (Kew Obsy.)	1017·2	+1	NNW	2	o	51	65	6	4000	Cu	4	ASt	9	1
Croydon	1017·2	+1	N	1	o	49	75	4	2500	StCu	10	-	10	0
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1016·4	+1	WNW	1	bc-	53	65	8	5700	Cu	2	ACu	4	•
Grain	1016·5	0	WNW	2	bc/r	53	65	8	7200	Cu	3	ASt	5	0
Lympne	1016·8	+1	NWˡW	2	o	49	75	7	2500	Cu	5	ASt	10	0
Scilly (St. Mary's)	1021·3	+1	NWˡW	4	c	57	85	8	4000	StCu	7	-	7	•
Falmouth (Pendennis)	1020·2	0	NNW	4	o+	55	65	8	4000	StCu	9	-	9	•
Plymouth (Cattewater)	1018·6	+1	NNW	3	o	56	75	8	4000	StCu	9	-	9	0
Portland Bill	1018·1	+2	SW	4	bc-	54	75	7	2500	Cu	4	-	4	•
Southampton (Calshot)	1016·8	0	NNW	3	c-	58	55	8	4000	Cu	7	-	7	0
Dungeness	1016·8	+2	NE	2	od₀	50	65	8	-	-	0	ASt	10	•
Jersey	1018·1	+1	NE	3	o	53	75	8	4000	StCu	10	-	10	•

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	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea. 0-9
Lerwick	1010·6	+1	N	3	bc-	44	65	8	4000	Cu	4	-	4	2
Stornoway	1012·2	+1	NNW	3	o/r	50	92	6	800	St	10	-	10	2
Wick	1008·1	+2	N	3	o/r	45	85	8	2500	Nb	4	ASt	10	0
Castlebay	1014·5	-1	NW	4	o/r	50	92	7	1500	St	9	-	9	4
Nairn	1009·6	*	WNW	2	c/r	51	85	8	1500	CuNb	8	-	8	•
Aberdeen	1008·2	-3	-	0	orr	50	97	5	1500	Nb	10	-	10	0
Malin Head	1016·4	0	WˡN	5	mo-	51	92	7	2500	St	5	ASt	10	4
Renfrew	1011·5	-2	WNW	4	o	53	75	8	1500	St	10	-	10	•
Edinburgh (Inchkeith)	1007·7	-5	W	5	or₀+	54	75	8	-	St	10	-	10	4
Leuchars	1008·2	-4	W	4	o	58	65	8	2500	StCu	6	ASt	10	•
Eskdalemuir	1010·3	-5	WˡN	6	obq	49	85	7	1500	StCu	10	-	10	•
Tynemouth	1010·5	-2	W	2	o	54	85	6	1500	Nb	10	-	10	2
Blacksod Point	1021·8	-1	NWˡW	3	o	53	85	7	-	StCu	10	-	10	4
Donaghadee	1016·5	0	WNW	2	cd	53	85	8	1500	St	7	-	7	2
Birr Castle	1020·5	*	NW	2	o	55	97	7	4000	Cu	9	-	9	•
Holyhead	1017·0	-2	NWˡN	3	o	52	92	8	1500	StCu	10	-	10	3?
Liverpool (Bidston)	1015·0	-1	WˡNW	4	o/r	50	97	6	2500	CuNb	10	-	10	4
Chester (Shotwick)	1015·6	-1	WˡNW	4	c/sq	51	97	6	450	Nb	10	-	10	•
Spurn Head	1012·3	-3	SW	3	o	54	65	6	-	-	0	ASt	10	3
Birmingham (Edgbaston)	1015·6	0	NW	5	od₀+	52	85	6	4000	Nb	10	-	10	•
Nottingham	1014·3	-2	W	3	or₀+	52	85	5	1500	Nb	10	-	10	•
Cranwell	1014·3	-3	WˡS	3	o	55	75	6	2500	Cu	3	ASt	10	•
Gorleston	1014·9	0	SEˡS	2	b-	51	65	7	-	-	0	CiSt	2	•
Valencia (Cahirciveen)	1023·6	0	NNW	4	c-	54	75	7	2500	StCu	6	ASt	8	3
Roches Point	1021·1	0	NNW	4	c	54	85	8	4000	StCu	7	-	7	0
Pembroke (St. Ann's H.)	1019·1	0	NW	5	bc	53	85	8	2500	Cu	6	-	6	3
Ross-on-Wye	[illegible]	0	NWˡW	3	ov	55	75	9	2500	Nb	10	-	10	•
Benson	1015·9	-4	-	0	bc+	56	65	8	-	St	6	-	6	•
Andover	1015·8	0	-	0	o+	57	65	8	2500	StCu	10	-	10	•
S. Farnborough	1015·9	-1	N	1	b	55	55	7	-	-	0	Ci	1	•
London (Kew Obsy.)	1015·8	-2	NWˡN	1	c	57	55	8	-	-	0	CiSt	8	•
Croydon	1016·3	-1	NWˡW	1	c⊕	55	55	7	-	-	0	CiSt	8	•
Clacton-on-Sea	1015·6	-1	SSE	3	bc	51	75	7	4000	Cu	5	-	5	1
Shoeburyness	1015·9	-1	NE	1	b/r	54	65	7	-	-	0	CiSt	2	•
Grain	1015·8	-1	-	0	c	54	65	7	4000	Cu	1	CiSt	7	0
Lympne	1016·1	-1	WSW	3	c	50	85	6	2500	StCu	7	-	8	•
Scilly (St. Mary's)	1020·8	0	NWˡW	4	bc-	54	85	8	4000	StCu	3	Ci	5	4
Falmouth (Pendennis)	1019·7	0	NNW	3	bc	56	75	8	5700	StCu	6	-	6	0
Plymouth (Cattewater)	1018·6	0	NNW	3	o	55	85	8	2500	StCu	10	-	10	0
Portland Bill	1018·1	-4	WSW	5	c+	55	75	7	4000	StCu	4	ACu	8	1
Southampton (Calshot)	1016·3	-1	SW	4	c+	56	75	8	4000	StCu	7	-	7	0
Dungeness	1016·2	0	-	0	c-	52	75	7	-	-	0	ASt	7	2
Jersey	1018·8	0	W	3	b	55	75	8	-	-	0	-	0	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. 6th								Yesterday.		To-day.
Kew (24 hours ended 0700)	amd₀oz	cy	bcomr	•	•	48	tra	tra	3·6	•	•
Croydon (24 hours ended 0700)	orrmz	ozbcy	coyorr	•	•	47	tra	0·1	4·2	•	•
Greenwich (Royal Obsy.)	op	oc	or	58	44	44	0·5	1	2·3	61	87
City (Bunhill Row)	•	•	•	•	•	•	•	•	3·2	•	•
Westminster (St. James' Pk.)	•	•	•	59	46	49	2		3·3	62	64
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	3·7	•	•
Camden Square	od₀	oc	•	61	45	45	-	2		•	82
Kensington Palace	coc	c	•	58	51	44	0·3	1	•	56 (18h)	85
Hampstead Observatory	•	•	•	57	42	44	0·5	2	4·7	•	92

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 1800 G.M.T. 5th

South Kensington Max.	Time.	Min.	Time.
1·0	4th 11h	<0·3	5th 0-3h
0·6	5th 8h		

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

POLE STAR RECORD at Greenwich Obsy.

Exposure from 5th 21 h. 30 m. to 6th 02 h. 30 m.

Stars.	Exposure h.	Exposure m.	Record h.	Record m.	%
Polaris	-	-	-	-	0
δ Ursae Minoris	-	-	-	-	0

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) ·. at 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	-	90
18h.	C	6	-	175
01h.	C	6	-	100
07h.	C₁C₂	6	-	120

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 6th 7th June, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.34 / 3.33	11.51 / 11.51	8.9 / 8.10
Greenwich	3.47 / 3.46	11.58 / 11.58	8.9 / 8.10
Wick	3.12 / 3.11	12.10 / 12.10	9.9 / 9.10
Valencia	4.25 / 4.24	12.39 / 12.39	8.54 / 8.55

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.
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.
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.

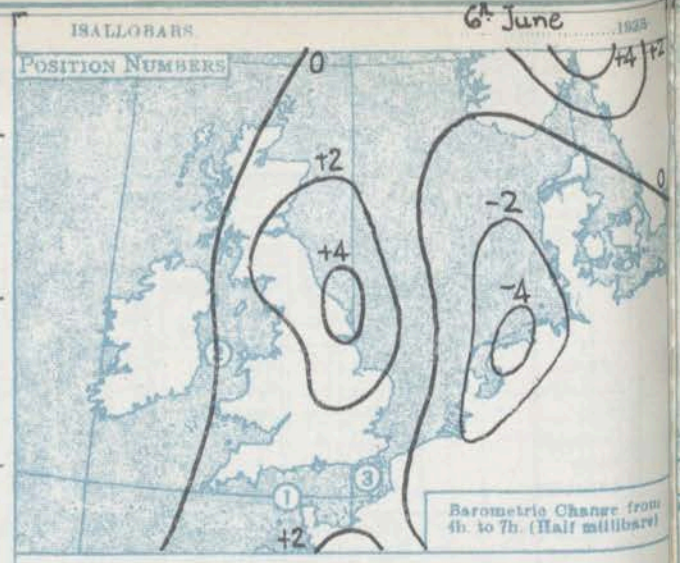
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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.	13h.-18h.	18h. to 1h.	1h.-7h.	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. Hours.
Lerwick	oo	cpr	c	o	49	39	•	0·1	–	1530	–	5·1
Stornoway	r-d	r-d	c	oo	51	42	•	2	0·2	–	–	0·1
Wick	orr	orr	op bc	cwp	50	37	•	5	0·1	<0800	<2100	•
Castlebay	cld	ddo	dpo	or r	50	46	•	0·2	3	–	<2100	0·0
Nairn	cd	dcd	cpdg	cbc	54	38	•	1	0·4	0900	<2100	0·2
Aberdeen	bcco	orrm	pr o	ob	54	39	34	3	0·3	1230	<2100	1·4
Malin Head	p ffp	ffoe	imd	c	52	48	•	Trace	Trace	<0800	2400	0·0
Renfrew	or r	or d	oo	oomw	54	45	36	0·6	–	11·00	–	1·5
Edinburgh (Inchkeith)	mm	o	ir	c	54	44	41	0·2	0·1	11·00	2200	3·2
Leuchars	oir	oir	obcor c	c	58	41	33	0·2	trace	13·30	<2100	1·4
Eskdalemuir	cop	opor	opco	opod	52	41	41	1	2	11·00	<2100	3·8
Tynemouth	cm	om	mir	oo	57	44	43	–	0·2	–	<2100	•
Blacksod Point	c	o	op		54	46	•	–	–	–	–	•
Donaghadee	or-d	od	o	o	53	49	•	Trace	–	0900	–	•
Birr Castle	copr co	co		co	57	48	47	Trace	–	1330	–	2·3
Holyhead	covdm	od mo	oog	oog	53	50	49	Trace	–	1230	–	1·0
Liverpool (Bidston)	b-bc	p	og		55	48	46	1	–	1530	–	6·8
Chester (Shotwick)	bbzco	pr r	od om	oodmq	58	49	45	0·4	0·1	1530	<2100	6·6
Spurn Head	c	c	r-d	roqc	54	46	•	0·4	1	<0800	<2100	6·4
Birmingham (Edgbaston)	obcm	odm	oir	oir	60	47	46	–	1	–	0530	4·8
Nottingham	c	or	r or	cr	60	49	47	0·4	2	17·30	<2100	2·8
Cranwell	ocbc	c	ombrr	oro p	58	47	47	–	1	–	<2100	5·3
Gorleston	cqbcq	bcqb	r-d	orqp	56	47	41	–	2	–	2200	10·8
Valencia (Cahirciveen)	op	oc	co	o	55	50	48	–	–	–	–	1·7
Roches Point	oc	c	bo	c	60	49	–	–	–	–	–	
Pembroke (St. Ann's H.)	c	c	oo	c	57	49	•	–	–	–	–	1·1
Ross-on-Wye	cobcy	bcyocc	ovoq	oq	62	50	46	–	–	–	–	6·0
Benson	dmo	bc	bcor	ir o	59	49	48	1	0·5	<0800	2200	•
Andover	bcc	cbcco	o	o	61	50	47	–	–	–	–	7·2
S. Farnborough	dr oc	cbcby	b r o	ordo	58	50	50	0·2	trace	<0800	2200	6·6
London (Kew Obsy.)	omdoz	cy	oqomomor		57	52	48	Trace	trace	<0800	0630	3·6
Croydon	orrmz	ozbcy	coy ⊕	orr o	56	50	47	Trace	0·1	0900	0130	4·2
Clacton-on-Sea	c	cbc	bcc	cogp	56	48	47	–	1	–	0350	3·9
Shoeburyness	cbc	bcpr bc	bbcc	id	58	48	47	0·1	trace	13·30	–	5·7
Grain	opbcm	bcc	oq	oopo	55	49	44	0·2	0·4	0900	0530	4·1
Lympne	oco	ocm	cod	od r	52	44	37	–	0·1	–	2400	3·7
Scilly (St. Mary's)	c	cbc	co	oc	58	50	•	–	–	–	–	3·3
Falmouth (Pendennis)	comd	cbc	bcco	oc	57	51	•	Trace	–	11.00	–	4·1
Plymouth (Cattewater)	cbco	oo	oo	oo	57	51	52	–	–	–	–	2·8
Portland Bill	c	c	b bc	c	58	52	•	–	–	–	–	•
Southampton (Calshot)	p	c	c	oo	61	50	47	Trace	–	11·00	–	7·1
Dungeness	c	oo	oo	c	54	50	•	Trace	1	13·30	2400	•
Jersey	bco	ocb	b	bo	58	51	•	–	–	–	–	7·2



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Authority.
1	5th 1100		NNW	3	b	52	53	7
2	1010	Scotia	–	0	odp	50	49	8
3	6th 0200	Arundel	W	4	bc	53	53	7

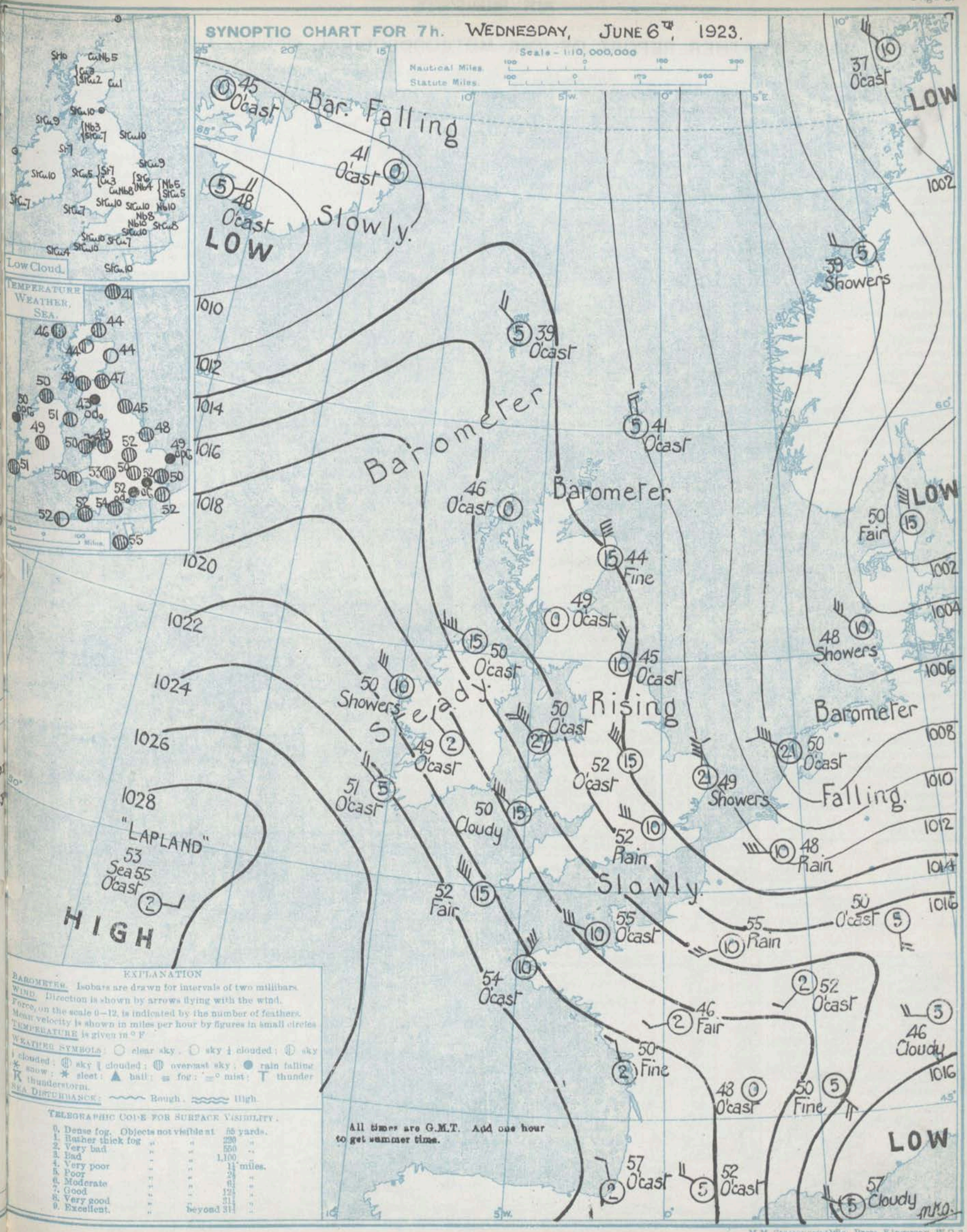
GENERAL INFERENCE.

A depression off the South Coast of Iceland and the continued southerly movement of the anticyclone off our Western Coasts will cause a change - at least temporarily - to a milder type of conditions with westerly winds. Weather will however, continue unsettled, more particularly in the North.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 6th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Moderate N.W. wind backing W. cloudy with local showers early, bright intervals later; visibility moderate to good; temperature rising somewhat.	Unsettled; rather warmer temporarily
4. W. Midlands 5. S.W. England 6. South Wales	Wind N.W. backing to W. or S.W. moderate, variable sky, probably some showers; visibility mainly good; temperature rising.	
7. North Wales 8. N.W. England	Wind N.W. backing towards S.W. fresh; cloudy, some rain later; visibility moderate; temperature rising.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Light northerly wind backing W.; bright intervals at first, some rain later; visibility moderate; temperature rising.	
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides	Wind freshening from W. to S.W.; cloudy, some rain; visibility moderate; temperature rising.	
16. Orkneys and Shetlands	As for 9 - 11.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind N.W. backing S.W. moderate to fresh; cloudy, some rain; visibility moderate; temperature rising.	

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Wednesday, 6th JUNE.....1923. No. 157....

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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1012.0	+1	NNW	3	C+	41	75	7	-	-	0	AC	7	•
Stornoway	1014.8	+3	NE	2	C	•	•	8	•	•	•	•	•	•
Wick	1012.8	+2	NW	2	bc	40	85	8	2500	CuNb	2	Ci	4	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1017.2	0	WNW	5	cd₀	49	97	7	5700	Nb	8	-	8	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1012.5	+4	ENE	3	cpr₀	47	92	8	•	CuNb	4	AStr	7	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1011.4	+2	NNW	3	o/r	48	85	6	800	Nb	10	-	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1016.8	0	NW'N	6	0	51	85	8	1500	StCu	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1009.9	-1	WNW	5	ors₀	51	85	7	4000	Nb	10	-	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1012.9	-1	W'N	5	cr-	50	92	7	1500	Nb	10	-	10	•
Gorleston	1011.6	-2	SW	3	orr	46	92	6	4000	Nb	10	-	10	•
Valencia (Cahirciveen)	1025.0	+1	WNW	4	0+	51	92	8	-	-	0	AStr	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1019.1	+1	WNW	3	0+	51	75	8	2500	StCu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	52	•	•	•	•	•	•	•	•
Croydon	1015.3	-1	W	3	0	51	92	6	2500	StCu	6	AStr	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1014.3	-2	W	3	od₀	49	92	7	1500	Nb	10	-	10	•
Scilly (St. Mary's) ...	1021.6	+1	NNW	4	0	52	85	8	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1020.9	+1	NNW	3	0+	53	85	8	4000	StCu	9	-	9	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1018.1	+2	NNW	4	bc	53	85	7	2500	Cu	4	-	4	•
Southampton (Ca.shot)	1016.4	0	NNW	4	0+	53	85	8	2500	StCu	10	-	10	•
Dungeness	1014.5	-2	SW	4	or₀	51	97	7	2500	St	10	-	10	•
Jersey 7h } ... ... 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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1012.3	0	NNW	2	0-	41	75	7	-	-	0	ACu	9	1
Stornoway	1015.2	0	-	0	0	46	85	7	800	Str	10	-	10	0
Wick	1013.7	+1	NW	1	c/r	44	75	8	4000	CuNb	5	Ci	7	0
Castlebay	1015.9	0	NW	3	ors₀	48	92	7	800	Nb	10	-	10	2
Nairn	1015.0	•	-	0	bc	44	75	8	4000	Cu	5	-	5	•
Aberdeen	1014.4	+1	NNW	4	b	44	85	8	1500	Cu	1	Ci	2	0
Malin Head	1017.3	0	NNW	4	0	50	92	8	5700	StCu	9	-	9	4
Renfrew	1015.1	+2	-	0	0	49	85	6	4000	StCu	10	-	10	•
Edinburgh (Inchkeith)	1015.2	+3	NE	3	0+	47	75	9	-	-	0	ACu	9	2
Leuchars	1015.1	+2	N	2	c	45	65	8	4000	Cu	1	Ci	8	•
Eskdalemuir	1015.5	+3	ENE	2	od₀	43	85	7	1500	StCu	10	-	10	•
Tynemouth	1014.6	+3	NNE	3	0	45	75	7	4000	StCu	10	-	10	3
Blacksod Point ...	1021.5	0	NW	3	opr₀	50	92	8	-	-	0	AStr	10	4
Donaghadee	1017.1	0	NNW	3	c-	51	85	8	1500	St	7	-	7	4
Birr Castle	1021.4	•	NW	1	0+	49	65	6	4000	StCu	10	-	10	•
Holyhead	1017.3	+1	NW	6	0	50	92	8	4000	StCu	5	ACu	9	5
Liverpool (Bidston) ...	1015.8	+1	W	5	0	49	97	7	1500	St	10	-	10	6
Chester (Shotwick) ...	1016.0	+1	WNW	6	od₀	50	92	6	800	St	10	-	10	•
Spurn Head	1013.0	+4	NW'N	6	0	48	75	7	4000	StCu	9	-	9	4
Birmingham (Edgbaston)	1016.0	+1	NW	5	ors₀	48	92	6	1500	Nb	10	-	10	•
Nottingham	1013.9	+2	NW	4	0+	52	85	6	800	CuNb	8	ACu	9	•
Cranwell	1014.4	+3	N'W	4	0	47	97	6	1500	St	10	-	10	•
Gorleston	1012.4	+1	N	5	opr₀	49	85	6	4000	Nb	10	-	10	1
Valencia (Cahirciveen)	1024.3	0	NNW	2	0	51	85	7	2500	StCu	7	AStr	10	0
Roches Point	1022.7	0	NW	4	0	52	85	8	4000	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1019.9	0	NW	4	c	50	75	8	2500	StCu	7	-	7	2
Ross-on-Wye	1017.0	+2	NW'N	4	0	53	75	8	4000	StCu	10	-	10	•
Benson...	1015.7	+2	WNW	3	o/r	50	85	8	•	StCu	10	-	10	•
Andover	1016.8	+1	WNW	4	0	51	75	8	4000	StCu	10	-	10	•
S. Farnborough ...	1015.6	+1	NW	4	od₀	52	85	8	1500	Nb	10	-	10	•
London (Kew Obsy.)...	1015.3	+1	WNW	3	or₀	52	75	8	2500	Nb	8	AStr	10	•
Croydon	1015.4	+1	NW'N	3	o/r	51	75	7	800	Nb	8	AStr	10	•
Clacton-on-Sea ...	1013.1	+2	WNW	4	o/r	50	92	7	1500	Nb	10	-	10	1
Shoeburyness	1014.0	+1	NW'N	3	od₀	51	85	7	1500	StCu	10	-	10	•
Grain	1014.1	0	WNW	4	o/r	51	85	7	1500	StCu	10	-	10	0
Lympne	1014.2	+1	WNW	4	0	50	85	8	1500	StCu	10	-	10	•
Scilly (St. Mary's) ...	1022.4	+1	NW	4	bc-	52	85	7	4000	StCu	4	ACu	6	4
Falmouth (Pendennis)	1021.4	+1	NNW	2	0	52	75	8	4000	StCu	10	-	10	0
Plymouth (Cattewater)	1020.1	+1	NNW	3	0	52	75	8	2600	StCu	10	-	10	0
Portland Bill	1019.4	+2	WNW	4	0	54	85	7	5700	StCu	7	ACu	9	1
Southampton (Ca.shot)	1017.0	0	WNW	4	0+	54	75	8	4000	StCu	10	-	10	0
Dungeness	1014.2	0	WNW	4	c	52	85	8	4000	StCu	8	-	8	4
Jersey 7h } ... ... Guernsey 1h }	1019.6	0	WNW	3	0	55	92	8	4000	StCu	10	-	10	0

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 4-5 °F.	Temperature. Max. Day. 5 °F.	Rainfall.† Night 17h.-9h. 4-5 mm.	Rainfall.† Day 9h.-17h. 5 mm.	Sunshine. Sunrise to 17h. 5 hr.	Sunshine. Sunrise to Sunset. 4 hr.
Montrose	*	*	36	57	-	1	1·4	5·6
Llandudno	bcc	rod	47	56	-	1	6·6	9·5
Colwyn Bay ...	bc	bcr	47	57	-	1	6·6	10·1
Rhyl...	bc	cpc	48	55	-	-	6·1	11·7
Southport	bbc	copo	44	56	-	-	7·3	10·3
Blackpool	bc	co	44	57	-	-	7·8	7·6
Ilkley	cobc	bbcd₀	41	60	1	0·1	6·7	3·1
Harrogate	c	cor	38	58	1	-	6·0	2·1
Skegness	bbc	bcbo	40	58	-	-	6·8	1·5
Aberystwyth ...	obc	o	49	55	-	-	5·7	12·0
Bath	bcc	cbcbo	46	64	-	-	6·4	5·9
Leamington Spa ...	od	cb	41	59	1	-	4·3	3·0
Lowestoft	c	bcb	43	53	-	-	9·0	2·1
Felixstowe	obc	c	42	55	-	-	5·3	4·5
Southend	oc	bc	41	59	0·1	-	4·5	5·3
Ilfracombe	cbc	bccom	50	56	-	-	3·8	10·5
Bude	oco	o	49	56	-	-	0·3	10·6
Penzance	cbc	bc	49	61	-	-	*	*
Paignton	cobcc	cq	47	63	-	-	8·0	6·6
Torquay	b	b	47	64	-	-	8·5	9·0
Weymouth	c	c	47	62	-	-	5·9	9·3
Bournemouth ...	bc	bcc	46	62	-	-	7·0	8·2
Portsmouth (S'thsea)	obc	bcb	39	60	-	-	5·6	5·3
Worthing	bbc	rc	44	57	-	0·3	3·2	7·3
Brighton	bbco	rocbc	44	57	-	0·1	3·0	6·5
Eastbourne... ...	co	ro	44	56	-	0·2	1·9	5·0
Hastings	bccoc	cqo	41	54	-	-	1·7	4·9
Folkestone	?	bc	43	56	-	-	2·6	8·2
Tunbridge Wells ...	o	oco	40	54	-	-	1·1	2·5
Ramsgate	bcb	bbco	44	56	-	-	6·4	6·9
Margate	cbcb	bco	45	54	-	-	4·8	4·8
Deal	ccbc	bccc	44	56	-	-	5·6	6·0

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* 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. B22477 THURSDAY 7TH JUNE 1923.

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	1014.5	+2	NNW	2	ojp	45	65	7	4000	CuNb	2	ACu	9	•
Stornoway	1016.1	0	—	0	o	50	85	7	800	St	10	—	10	•
Wick	1015.6	+3	ENE	3	c	46	75	8	2500	CuNb	8	—	8	•
Castlebay	1016.9	+1	SW	3	orr	49	97	6	450	Nb	10	—	10	•
Nairn	*	*	*	*	*	*	*							•
Aberdeen	1016.2	+2	NNW	3	c	50	65	8	2500	Cu	7	—	7	0
Malin Head	1018.4	+1	W	5	od_0	51	92	7	1500	St	5	ASt	10	•
Renfrew	1016.7	+1	WNW	3	o	56	65	8	5700	StCu	7	ASt	10	0
Edinburgh (Inchkeith)	1015.3	-1	SSE	1	o	52	75	9	—	Cu	8	ACu	10	•
Leuchars	1015.7	+1	SE	1	o	51	65	8	4000	StCu	10	—	10	0
Eskdalemuir	1016.6	+1	S'W	3	o	50	75	7	1500	StCu	6	ASt	10	0
Tynemouth	1017.0	+2	NE	2	bc	49	65	8	4000	CuNb	2	ACu	5	•
Blacksod Point	1021.8	+1	NW	3	o	55	85	8	—	Cu	9	—	9	•
Donaghadee	1018.9	+2	N	2	c	53	85	8	1500	St	7	—	7	•
Birr Castle	1021.9	—	NW	1	o-	55	75	8	4000	StCu	9	—	9	•
Holyhead	1019.8	+2	W'N	4	o	54	85	8	4000	StCu	9	—	9	0
Liverpool (Bidston)	1018.2	+2	W	5	o	52	85	7	1500	CuNb	10	—	10	•
Chester (Shotwick)	1018.4	+3	NW	6	o/r	53	75	7	800	St	10	—	10	1
Spurn Head	1017.4	+3	N	4	bc	50	65	8	4000	Cu	5	—	5	•
Birmingham (Edgbaston)	1017.7	+2	NW	5	ojp	53	85	6	4000	CuNb	10	—	10	1
Nottingham	1017.4	+3	E	1	or_0r_0	47	97	5	1500	St	10	—	10	1
Cranwell	1017.9	+3	NNW	3	o	51	75	7	2500	StCu	8	ASt	10	1
Gorleston	1016.1	+2	NW'N	5	bc	54	55	7	4000	Cu	5	—	5	1
Valencia (Cahirciveen)	1024.9	+1	WNW	3	o	54	75	8	1500	StCu	7	ASt	10	0
Roches Point														•
Pembroke (St. Ann's H.)	1021.9	-2	NW	3	b_1-	54	75	8	4000	Cu	1	CiSt	3	•
Ross-on-Wye	1018.6	+2	WNW	4	o	58	65	9	4000	StCu	9	CiSt	10	0
Benson	1017.8	+2	NW	3	o	57	65	9	—	Cu	9	—	9	0
Andover	1018.8	+3	WNW	3	o	55	75	8	4000	StCu	10	—	10	0
S. Farnborough	1017.7	+2	W	3	o	59	75	8	2500	Cu	7	ACu	9	1
London (Kew Obsy.)	1017.8	+1	NW	3	ojp	57	65	8	2500	CuNb	9	ASt	10	1
Croydon	1017.3	+1	NW'W	3	o/r	56	65	6	2500	StCu	10	—	10	0
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1017.5	+3	NW	1	od-	51	85	7	800	Nb	8	ASt	10	*
Grain	1017.7	+3	N'W	3	or_0	50	85	7	1500	St	10	—	10	5
Lympne	1017.4	+4	N	3	or_0	49	92	6	800	Nb	10	—	10	2
Scilly (St. Mary's)	1023.6	+1	NW	4	bc	55	65	8	4000	StCu	4	ACu	6	•
Falmouth (Pendennis)	1024.3	+1	NNW	3	o	54	65	8	4000	StCu	10	—	10	•
Plymouth (Cattewater)	1021.8	+2	NW	3	o	54	65	8	5700	StCu	10	—	10	0
Portland Bill	1019.5	0	WNW	4	c	56	85	7	2500	StCu	7	—	7	•
Southampton (Calshot)	1019.2	+3	WNW	4	o+	59	65	8	2500	StCu	10	—	10	0
Dungeness	1016.7	+3	N	2	o	55	85	7	4000	StCu	10	—	10	•
Jersey	1021.0	0	WNW	5	bc	58	65	8	4000	StCu	4	—	4	•

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	1015.6	+3	NNW	2	cjp	44	75	7	4000	CuNb	4	ACu	8	1
Stornoway	1016.1	0	—	0	bc-	50	92	7	4000	Cu	6	—	6	0
Wick	1016.5	+2	NW	1	b_1	47	65	8	4000	Cu	2	CiSt	3	0
Castlebay	1016.9	0	WSW	3	fo	50	97	3	450	Nb	10	—	10	2
Nairn	1016.4	—	NE	2	b_1-	52	65	8	4000	Cu	3	—	3	•
Aberdeen	1017.6	+2	SE'S	2	c	47	75	7	4000	StCu	7	—	7	0
Malin Head	1019.0	0	W	4	or_0	51	97	8	2500	StCu	10	—	10	4
Renfrew	1017.6	+1	WNW	3	o	53	85	8	4000	St	10	—	10	•
Edinburgh (Inchkeith)	1016.5	+1	NNE	3	ojp	49	92	8	—	Nb	9	—	9	2
Leuchars	1016.8	+1	ESE	3	c	49	75	8	4000	StCu	8	—	8	•
Eskdalemuir	1017.3	+1	W	4	o	51	75	8	2500	StCu	10	—	10	•
Tynemouth	1018.0	+1	S	1	c+	47	75	8	—	—	0	ASt	8	1
Blacksod Point	1022.2	0	WNW	3	o	52	92	8	—	—	0	ASt	10	4
Donaghadee	1019.7	+1	NW	2	o	53	85	8	2500	St	9	—	9	3
Birr Castle	1022.4	—	W	1	o	55	75	8	2500	Cu	9	—	9	•
Holyhead	1020.8	+1	WNW	4	ojp	52	97	7	4000	StCu	10	—	10	3
Liverpool (Bidston)	1019.3	+1	W'N	3	o	52	75	7	1500	St	10	—	10	4
Chester (Shotwick)	1019.8	+1	WNW	4	or_0r_0	54	75	8	2500	St	10	—	10	•
Spurn Head	1019.1	+2	NNE	2	c	48	65	7	—	—	0	ASt	10	2
Birmingham (Edgbaston)	1019.4	+1	NW	5	c	55	75	7	4000	CuNb	6	CiCu	7	•
Nottingham	1018.7	+1	SE	1	or_0r_0	47	97	5	1500	Nb	10	—	10	•
Cranwell	1019.5	+3	SW'S	2	or	47	97	6	1500	St	7	ASt	10	•
Gorleston	1018.8	+3	NW'N	3	bc+	51	65	7	—	—	0	ACu	4	1
Valencia (Cahirciveen)	1024.8	0	W	3	o+	52	85	8	1500	StCu	7	ASt	10	0
Roches Point														
Pembroke (St. Ann's H.)	1022.4	+2	NW	3	o+	52	85	8	4000	StCu	9	—	9	3
Ross-on-Wye	1019.9	+1	WNW	3	c-	58	65	8	4000	StCu	7	—	7	•
Benson	1019.4	+2	NW	3	o	55	75	9	—	St	10	—	10	•
Andover	1020.1	+2	NW	3	o	56	75	8	4000	StCu	10	—	10	•
S. Farnborough	1019.2	+2	WNW	3	o/r	56	65	8	2500	StCu	10	—	10	•
London (Kew Obsy.)	1019.8	+2	NNE	1	od_0	52	85	4	2500	Nb	8	ASt	10	•
Croydon	1019.2	+2	—	0	or_0r_0	50	97	3	800	Nb	10	—	10	•
Clacton-on-Sea	1018.9	+4	WNW	2	o	52	75	6	4000	St	10	—	10	0
Shoeburyness	1019.4	+2	WNW	1	od_0	50	85	4	800	St	10	—	10	•
Grain	1019.6	+2	—	0	or	49	97	6	1500	St	10	—	10	0
Lympne	1019.3	+3	—	0	od_0	50	97	6	800	Nb	9	ASt	10	•
Scilly (St. Mary's)	1024.4	0	NW'W	3	bc-	55	75	8	4000	StCu	3	ACu	5	3
Falmouth (Pendennis)	1024.0	0	NNW	3	bc-	55	65	8	4000	Cu	4	—	4	0
Plymouth (Cattewater)	1022.7	+1	WNW	3	c-	54	65	8	4000	StCu	8	—	8	0
Portland Bill	1020.2	0	WNW	3	bc-	55	97	8	1500	Cu	6	—	6	0
Southampton (Calshot)	1020.3	+2	NW'W	4	o	57	75	8	4000	StCu	10	—	10	0
Dungeness	1018.9	+2	NNW	3	or_0r_0	52	97	7	1500	St	10	—	10	3
Jersey	1022.1	0	WNW	4	b_1	56	85	8	4000	StCu	3	—	3	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 0000 G.M.T. 7th)											
Kew } 24 hours ended 0700	omoujp	oujpmd	od_0mff_0	*	*	42	1	tra	0.9	*	*
Croydon } 24 hours ended 0700	or_0d_0mu	omrf₀f	or_0fmd	*	*	43	0.2	tra	0.3	*	*
Greenwich (Royal Obsy.)	op	orm	ormbo	57	46	37	2	1	0.1	92	74
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.2	*	*
Westminster (St. James' Pk.)	*	*	*	59	48	45	2		0.2	86	72
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	0.3	*	*
Camden Square	odc	ood	*	58	48	45	1		*	*	71
Kensington Palace	o	odr	*	58	47	43	1	0.2	*	99 (18h)	73
Hampstead Observatory	*	*	*	56	46	40	1	tra	0.2	*	82

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 Hr. ended 1600 G.M.T. 6th

South Kensington Max.	Time.	Min.	Time.
0.4	5th 21h.	<0.3	6th 2h.
0.4	6th 14h.		

Kew Observatory Max.	Time.	Min.	Time.
0.6	5th 21h.	<0.1	6th 0-4h
1.0	6th 14-15h.		

Pole Star Record at Greenwich Obsy.
Exposure from 6th 21h 30m. to 7th 02h. 30m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5.0	1.15	25
δ Ursae Minoris	5.0	0.52	17

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=Setting 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=Closed road (heavy rain from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	G^cC_2	6	-	95
18h.	G^cC_2	5	-	70
01h.	C	6	-	150
07h.	C	5		120

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 7th & 8th June, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.33 3.33	11.51 11.52	8.10 8.11
Greenwich	3.46 3.46	11.58 11.59	8.10 8.11
Wick	3.11 3.10	12.10 12.1	9.10 9.11
Valencia	4.34 4.34	12.39 12.40	8.55 8.56

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, " 300—1000 m.
F thick fog " less than 300 m.
ip 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_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.

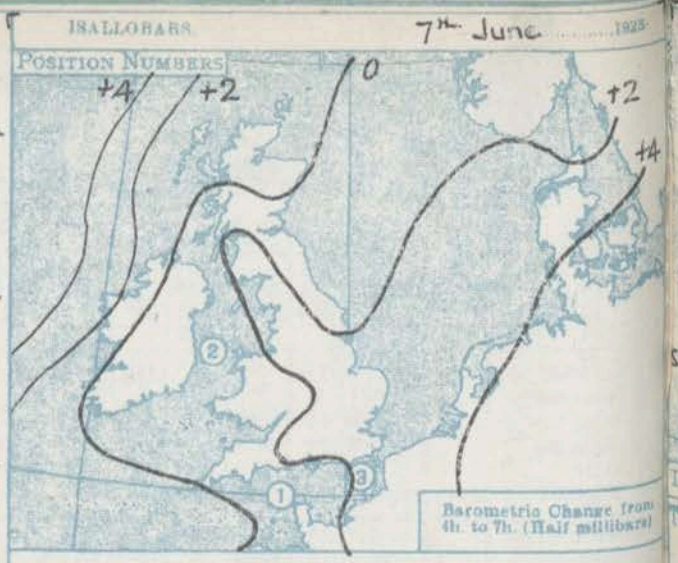
Sea Disturbance.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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. 6h.	13h.-18h. 6h.	18h. 6h. to 1h. 7h.	1h.-7h. 7h.	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. 6h. Hours.
Lerwick	o	c	o	o	48	40	•	trace	–	1730	–	4.1
Stornoway	o	p	?c	oo	51	46	•	0.3	0.4	–	–	3.9
Wick	c	bbc	b.bc	oo	50	35	•	–	–	–	–	•
Castlebay	r₀rr	rrdF	dfRf	offo	50	49	•	3	0.3	<0800	–	0.0
Nairn	bcc	cbc	bcgc	dcg	55	37	•	–	0.2	–	0230	5.8
Aberdeen	bcc	bcvc	cbubw	bom	53	40	29	–	–	–	–	11.4
Malin Head	omid	om	ir₀m	oo	53	47	•	trace	0.6	0900	<2100	0.1
Renfrew	omo	oo	or₀r₀	om	59	50	49	–	trace	–	<2100	2.2
Edinburgh (Inchkeith)	o	ir	p	mm	55	45	41	0.4	0.4	–	<2100	3.8
Leuchars	co	oc	co	obco	53	43	37	–	–	–	–	7.5
Eskdalemuir	o	op₀	ojpoc	od₀m	57	46	45	0.1	0.2	<0800	0530	1.5
Tynemouth	bbc	bbc	om	oom	51	45	43	–	–	–	–	•
Blacksod Point ...	c	o	c		50	45	•	–	1	–	–	•
Donaghadee	o	o	omr	o	55	50	•	–	0.3	–	2200	•
Birr Castle	co	co	co	co	57	48	45	–	–	–	–	0.6
Holyhead	co	oir₀	ir₀o	p₀rc	56	50	49	trace	trace	1330	<2100	2.6
Liverpool (Bidston) ...	p₀coq	o	obc		56	49	49	–	0.4	–	<2100	1.8
Chester (Shotwick) ...	od₀r₀m	ocbcor₀	or₀r₀om	omcc	57	53	48	2	1	<0800	<2100	0.7
Spurn Head	c	bccoo	oo	commO	51	46	•	–	–	–	–	7.0
Birmingham (Edgbaston)	cm	c	colr₀	coir₀	53	48	47	1	0.2	<0800	<2100	1.8
Nottingham	r₀r₀	r₀r₀	om	oom	53	46	43	2	–	<0800	–	0.6
Cranwell	r₀d	or₀	or₀oz	od₀	53	46	45	0.3	0.5	<0800	<2100	0.2
Gorleston	cbcq	bc	b.bc	bcc	55	41	33	–	–	–	–	9.7
Valencia (Cahirciveen)	ozo	oco	cbcbv	op₀co	55	47	39	–	0.1	–	0430	0.2
Roches Point												
Pembroke (St. Ann's H.)	bbc	c	oo	bbc	56	50	•	–	–	–	–	7.3
Ross-on-Wye	co	ovc	co	oo	58	50	46	–	–	–	–	1.7
Benson...	oo	oo	oo	oo	54	48	43	trace	–	<0800	–	•
Andover	o	o	ocbc	copr₀	60	46	41	–	trace	–	0630	1.5
S. Farnborough ...	oir₀o	oopr₀	opro	op	61	46	43	trace	trace	<0800	2200	0.7
London (Kew Obsy.) ...	omoujp	ouipmoj	odmoff	offomr₀m	59	50	42	1	trace	<0800	0630	0.9
Croydon	oir₀d₀m	omr₀r₀f	or₀f	omd₀	57	48	43	0.2	trace	<0800	<2100	0.3
Clacton-on-Sea ...	og	og	ogm	ogmp	55	47	46	–	1	–	0230	0.4
Shoeburyness	oid	oidodj	od.dm	om	54	46	40	0.4	0.3	<0800	<2100	0.1
Grain	ooir₀	opodm	oir₀r₀	opmr₀	53	45	40	2	1	<0800	<2100	0.2
Lympne	ordm	ordm	ord₀	ofmpr	53	46	39	1	1	<0800	<2100	0.1
Scilly (St. Mary's) ...	c	cbc	bcc	cbc	57	49	•	–	–	–	–	5.9
Falmouth (Pendennis)	co	cbc	bcb	oc	56	49	•	–	–	–	–	3.8
Plymouth (Cattewater)	o	oc	cbco	oo	55	48	?	–	–	–	–	2.4
Portland Bill	bbc	o	c	bbc	58	51	•	–	–	–	–	•
Southampton (Calshot)	o	o	b.bc	r-d	60	49	46		trace		0630	0.9
Dungeness	p	p	oo	oo	53	52	•	1	2	<0800	<2100	•
Jersey	obc	bcb	b	bo	60	50	•	–	–	–	–	8.7



Observations from Cross Channel Steamers.

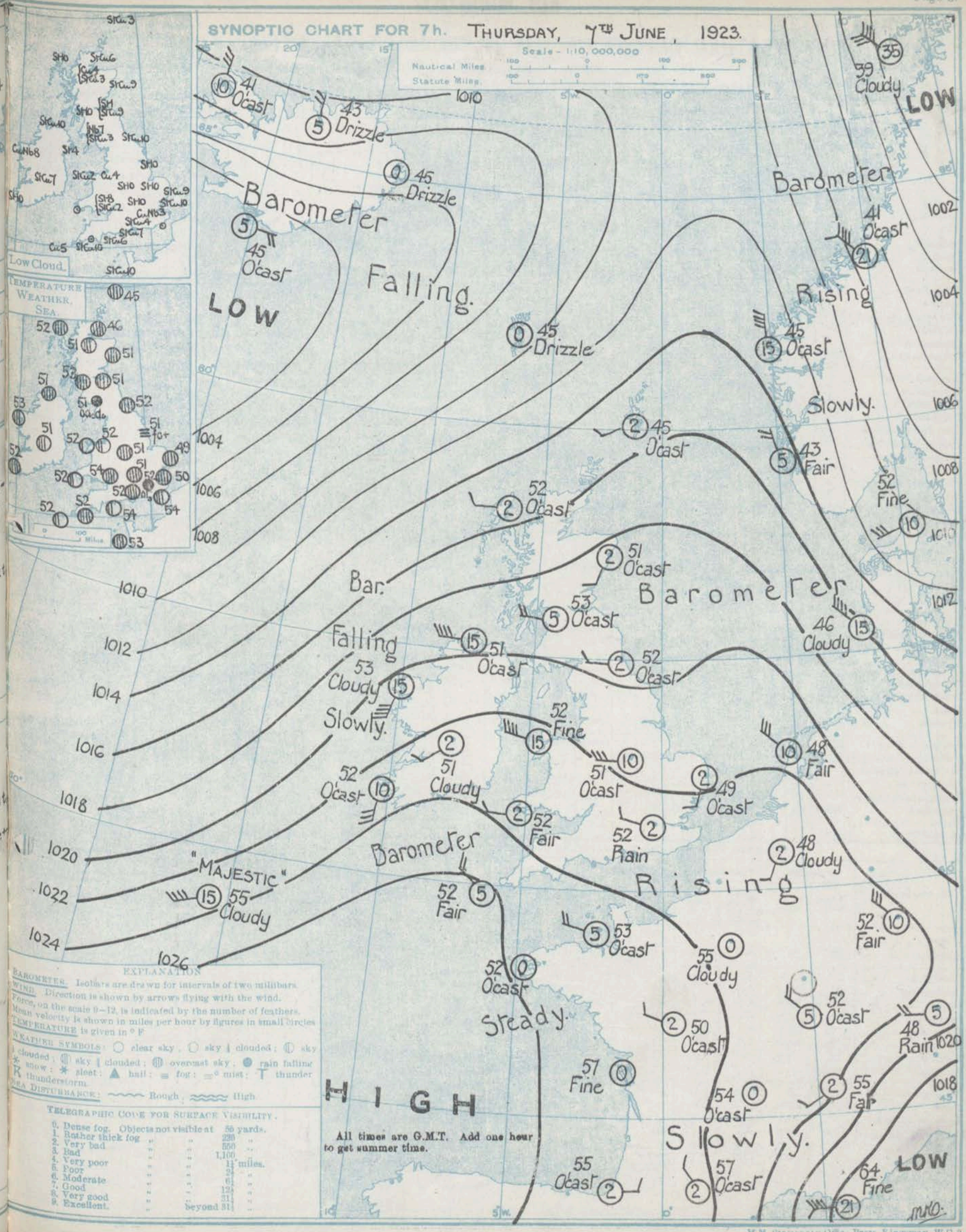
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	6th 1000	Scotia	WNW	2	c	53	49	
3	7th 0300	Brighton	NNW	3	b	53	53	

GENERAL INFERENCE.

The large depression southwestward of Iceland continues to move slowly eastward and winds will soon be generally southwesterly in our area. Some rain is probable in the West and North but weather is likely to be fair in the Southeastern half of the Kingdom for the next 24 hours.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 7th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light westerly winds backing S.W. later and freshening somewhat; fair generally; visibility moderate to good; warmer	Unsettled in the North and West outlook doubtful for other districts ----------
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind W. to S.W. moderate to fresh; fair early, probably some rain later; visibility moderate to good; moderate temperature.	
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind W. backing S.W. moderate; cloudy, probably some rain; visibility moderate; 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	Wind S.W. strong at times; dull, some rain; mist locally on coasts; moderate temperature.	

† For Code see opposite page



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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION Thursday 7th June 1923. No 158

Observations at 0100 G.M.T. 7th / Observations at 0700 G.M.T. 7th

Stations	0100 Barom. at M.S.L. m.b	0100 Change in 3 Hours	0100 Wind Direc.	0100 Wind Force 0-12	0100 Weather	0100 Temp. °F.	0100 Humidity %	0100 Visibility 0-9	0100 Cloud Height Feet	0100 Low Form	0100 Low Amt. 0-10	0100 Upper Form	0100 Total Amt. 0-10	0100 Sea 0-9	0700 Barom. at M.S.L. m.b	0700 Change in 3 Hours	0700 Wind Direc.	0700 Wind Force 0-12	0700 Weather	0700 Temp. °F.	0700 Humidity %	0700 Visibility 0-9	0700 Cloud Height Feet	0700 Low Form	0700 Low Amt. 0-10	0700 Upper Form	0700 Total Amt. 0-10	0700 Sea 0-9
Lerwick	1016.7	0	W	1	o	41	75	7	6700	StCu	7	A.St	10	•	1015.4	-1	WSW	1	o	45	65	8	5700	StCu	3	ASt	10	0
Stornoway	1016.9	0	S	2	b	•	•	5	•	•	•	•	•	•	1015.8	0	W	1	o	52	97	7	800	St	10	-	10	1
Wick	1017.0	-1	SSW	2	bc	39	92	8	5700	Cu	1	Ci	4	•	1015.6	-1	SSW	2	o	46	85	8	3700	StCu	6	ACu	10	0
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.7	0	WSW	3	o/f	50	92	7	1500	St	10	-	10	3
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.7	•	-	0	c+	51	85	8	4000	Cu	7	-	7	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.2	0	SSW	1	o	51	85	6	4000	StCu	9	-	9	0
Malin Head	1019.7	+1	W	4	o/r	50	97	7	2500	St	10	-	10	•	1019.4	0	WSW	4	o	51	92	8	5700	StCu	10	-	10	1
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1019.5	+3	W	2	o	53	85	6	1500	St	10	-	10	•
Edinburgh (Inchkeith)	1017.9	+2	NNE	1	o/r	46	92	7	*	StCu	10	-	10	•	1018.0	0	WSW	3	o	51	97	7	*	StCu	10	-	10	2
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.4	0	WSW	1	o	49	85	7	2500	St	10	-	10	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1019.9	+2	W'S	3	odd	51	92	6	800	Nb	10	-	10	•
Tynemouth	1019.2	0	W	1	o	46	85	6	1500	St	10	-	10	•	1019.9	+1	W	1	o	52	85	6	4000	StCu	10	-	10	0
Blacksod Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1020.1	-3	SSW	4	c	53	92	8	*	CuNb	8	-	8	4
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1020.8	0	SW'W	3	c-	51	85	8	7700	St	4	ASt	8	0
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1022.9	•	SW	1	c-	51	92	8	4000	StCu	7	-	7	•
Holyhead	1021.5	+1	W'N	4	o	51	92	8	4000	StCu	10	-	10	•	1022.4	+1	W'N	4	b-	52	92	8	5700	StCu	2	-	2	3
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1022.0	+2	W	3	bc+	52	85	8	2500	Cu	4	CiCu	6	4
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1022.3	+1	W	3	c	55	75	7	2500	Cu	8	-	8	•
Spurn Head	1020.3	+1	SE	2	o	48	75	7	-	-	0	A.St	10	•	1021.3	+2	WSW	3	fo+	51	85	3	800	St	10	-	10	2
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1023.0	+2	WNW	2	o	51	92	6	4000	StCu	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1021.8	+2	W	3	o	51	92	5	1500	St	10	-	10	•
Cranwell	1020.9	+1	W'S	1	o	47	97	6	1500	St	10	-	10	•	1022.4	+2	WSW	2	o/r	49	97	6	2500	St	10	-	10	•
Gorleston	1020.7	+1	W	1	bc	44	75	7	4000	StCu	4	-	4	•	1021.7	+1	SSW	1	o+	49	85	6	5700	StCu	9	-	9	0
Valencia (Cahirciveen)	1022.5	0	SW	1	b-	50	92	9	-	-	0	ACu	3	•	1023.4	0	S'W	3	o	52	92	8	450	St	10	-	10	3
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•														
Pembroke (St. Ann's H.)	1023.1	0	WNW	2	o	51	85	8	4000	StCu	10	-	10	•	1023.8	+1	W	1	bc	52	85	8	-	-	0	ASt	4	2
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1022.9	+1	WSW	1	o	54	75	8	4000	St	10	-	10	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1023.2	+2	WNW	1	o	51	92	7	*	St	10	-	10	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1023.5	+3	W'N	1	o/r	52	85	6	2500	St	10	-	10	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1023.5	+3	W	2	o	52	85	7	2500	StCu	4	ASt	10	•
London (Kew Obsy.)	•	•	•	•	•	52	•	•	•	•	•	•	•	•	1023.4	+2	WNW	1	or	52	85	6	2500	CuNb	3	A.St	9	•
Croydon	1021.4	+1	W	2	o/r	50	85	6	2500	StCu	10	-	10	•	1023.3	+2	WNW	2	o/r	52	85	7	2500	StCu	7	ASt	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1022.4	+3	W	2	o	50	97	5	7200	StCu	10	-	10	1
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1022.7	+1	NW	1	o-	54	85	6	4000	StCu	5	A.St	9	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1023.1	+3	W	2	or	52	92	5	2500	St	10	-	10	0
Lympne	1021.6	+2	WNW	2	o	48	92	6	2500	StCu	10	-	10	•	1022.9	+2	WNW	2	o/r	50	97	5	5700	StCu	8	AC	10	•
Scilly (St. Mary's)	1025.1	0	WNW	4	c	51	92	8	4000	StCu	7	-	7	•	1026.1	0	NWW	2	bc-	52	92	8	4000	Cu	5	-	5	1
Falmouth (Pendennis)	1024.2	0	NW	2	b	50	92	8	-	-	0	-	0	•	1024.8	0	WNW	1	o	52	85	7	4000	StCu	10	-	10	0
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1028.2	+1	WNW	1	o	50	97	6	-	-	0	ACu	10	0
Portland Bill	1022.2	+2	WNW	2	o+	52	85	7	5700	StCu	4	ASt	9	•	1022.7	+2	WNW	1	bc	54	85	7	2500	StCu	6	-	6	0
Southampton (Ca.shot)	1022.3	+1	WSW	2	o-	50	85	8	4000	StCu	10	-	10	•	1023.9	+1	NW	2	o/r	53	85	7	5700	StCu	7	A.St	10	0
Dungeness	1021.2	+2	-	0	o/r	50	97	7	-	-	0	A.St	10	•	1024.8	+3	NNW	2	c	54	85	7	-	-	0	ACu	8	2
Jersey 7h / Guernsey 1h															1025.0	0	WNW	2	o	53	85	8	2500	StCu	10	-	10	0

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

Stations	Weather Forenoon	Weather Afternoon	Temperature Min. Night 5-6th °F.	Temperature Max. Day 6th °F.	Rainfall Night 17h.-9h. 5-6 mm.	Rainfall Day 9h.-17h. 6th mm.	Sunshine Sunrise to 17h. 6 hr.	Sunshine Sunrise to Sunset 5 hr.
Montrose	*	*	40	54	–	–	1.4	8.3
Llandudno	o	ccbo	50	56	–	–	6.6	0.8
Colwyn Bay	c	c	49	57	–	–	6.6	—
Rhyl	c.c.bc	co	49	57	0.4	–	1.1	6.1
Southport	cbcc	cocbco	49	57	0.2	–	7.3	3.8
Blackpool	oc	bco	50	57	–	–	4.2	7.8
Ilkley	dobecq	doom	44	52	1.0	0.1	6.7	0.1
Harrogate	o	o	41	53	2	–	5.0	0.9
Skegness	o	o	47	52	1	–	6.9	2.8
Aberystwyth	rcb	o	50	56	–	–	5.7	0.5
Bath	ocbc	ocbc	52	61	–	–	6.6	4.3
Leamington Spa	ocb	cbo	48	59	–	–	4.5	2.1
Lowestoft	cbc	bc	48	58	2·	–	10.6	4.6
Felixstowe	oc	co	47	56	1	–	4.4	0.7
Southend	or	oro	48	55	0.1	1	5.7	0.3

Stations	Weather Forenoon	Weather Afternoon	Temperature Min. Night 5-6 °F.	Temperature Max. Day 6 °F.	Rainfall Night 17h.-9h. 5-6 mm.	Rainfall Day 9h.-17h. 6 mm.	Sunshine Sunrise to 17h. 6 hr.	Sunshine Sunrise to Sunset 5th hr.
Ilfracombe	oc	cbcco	51	55	–	–	1.9	3.8
Bude	cbcc	cbcb	51	58	–	–	1.2	6.3
Penzance	cbc	bc	51	58	–	–	*	*
Paignton	cqycoq	bcqy	50	59	–	–	1.9	8.0
Torquay	c	c	51	62	–	–	8.8	2.7
Weymouth	bcc	c	51	63	–	–	6.0	1.5
Bournemouth	cc	bcb	50	61	–	–	7.5	5.0
Portsmouth (S'thsea)	o	o	52	60	–	–	6.2	0.3
Worthing	oc	o	52	60	–	–	3.7	1.0
Brighton	c	c	52	64	–	–	3.0	2.1
Eastbourne	oo	co	53	62	0.1	–	2.0	1.5
Hastings	oc	coq	49	60	–	–	1.7	0.5
Folkestone	[illegible]	or	47	56	1	2	3.3	0.0
Tunbridge Wells	od	cod	47	58	trace	1	1.1	0.6
Ramsgate	oc	co	46	54	1	–	6.4	0.2
Margate	o	o	48	53	0.5	–	4.9	0.0
Deal	ocb	co	47	56	trace	10	5.7	0.0

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* 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. B22478 FRIDAY, 8th JUNE 1923.

STATIONS.	Observations at 1300 G.M.T. 7th: 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.	Observations at 1800 G.M.T. 7th: 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. 0-9
Lerwick	1013.4	-2	SSW	2	or,r,	45	97	5	4000	Nb	10	-	10	•	1010.7	-3	SW	3	orr	49	97	5	4000	Nb	10	—	10	2
Stornoway	1013.7	-2	SW	4	0	52	97	7	800	St.	10	-	10	•	1009.8	-4	SW	5	od,	52	92	6	450	St	10	—	10	4
Wick	1013.9	0	SSW	3	0	53	85	8	5700	Cu	6	A.St	10	•	1011.4	-3	SSW	3	0	55	75	8	5700	StCu	5	ACu	9	0
Castlebay	1016.3	-1	SSW	4	or	50	97	6	800	Nb	10	-	10	•	1012.7	-1	SSW	5	ojp	52	85	7	1500	CuNb	10	—	10	5
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.9	-	SW	3	bc	58	65	8	5700	StCu	6	—	6	•
Aberdeen	1016.3	-2	S	2	o⊕	59	75	6	2500	Cu	3	Ci.St	9	0	1013.9	-2	WSW	3	bc	64	55	8	4000	StCu	2	ACu	4	0
Malin Head	1018.4	-1	WSW	4	0	55	85	9	5700	StCu	9	-	9	•	1013.7	-5	SW	5	c-	57	85	9	5700	StCu	3	CiCu	8	1
Renfrew	1019.5	-1	SW	3	0-	56	75	7	2500	StCu	9	Ci.St	10	0	1016.9	-3	WSW	3	0	57	65	8	4000	StCu	6	ASt	10	•
Edinburgh (Inchkeith)	1017.9	-1	WSW	4	0	55	-	7	*	StCu	3	Ci.St	10	•	1016.1	-4	WSW	4	o-	57	85	8	—	—	0	ACu	9	3
Leuchars	1017.3	-2	SW	4	0	60	65	8	2500	StCu	10	-	10	0	1015.4	-2	SW	4	c	61	65	7	4000	StCu	4	Ci	7	•
Eskdalemuir	1019.8	0	SW	4	0	55	85	6	1500	StCu	10	-	10	0	1018.5	-2	SW'S	5	0	52	85	8	2500	StCu	10	—	10	•
Tynemouth	1019.4	0	W	2	0	62	65	6	4000	Cu	3	A.St	10	•	1018.4	-4	W	1	c	63	65	6	4000	Cu	6	CiCu	8	0
Blacksod Point	1018.5	-2	SSW	4	0	55	85	8	*	StCu	9	-	9	•	1013.7	-9	SW	7	o/r	54	92	8	—	—	0	ASt	10	0
Donaghadee	1020.2	-1	SW	2	bc-	59	75	8	1500	St.	6	-	6	•	1018.0	-3	S	3	bc-	58	75	8	—	—	0	CiSt	6	2
Birr Castle	1021.5	*	S	1	c	58	75	8	4000	StCu	7	-	7	•	1018.3	-	S	1	c+	60	75	8	4000	StCu	8	—	8	•
Holyhead	1022.7	0	S'W	4	b	57	75	9	4000	Cu	1	Ci.St	2	0	1020.7	-2	S'W	5	bc+	53	92	9	4000	Cu	1	Ci.St	4	3
Liverpool (Bidston)	1022.3	-1	W'N	2	bc	56	75	9	2500	StCu	5	-	5	•	1021.2	-1	WNW	2	b,-	57	65	9	—	—	0	Ci	2	3
Chester (Shotwick)	1022.6	-1	NW	3	o+	59	75	8	2500	StCu	10	-	10	5	1021.1	-1	W	3	bc+	59	65	8	4000	StCu	3	Ci	6	•
Spurn Head	1021.4	0	ESE	2	bc	56	75	7	4000	Cu	4	A.St	6	•	1020.6	-1	WSW	3	b	57	75	6	—	—	0	ASt	10	2
Birmingham (Edgbaston)	1022.5	-1	W	3	0	63	55	7	5700	StCu	9	-	9	1	1021.6	-2	WSW	3	c	61	55	8	4000	StCu	7	—	7	•
Nottingham	1021.7	0	WSW	3	c	61	65	7	2500	Cu	7	-	7	•	1021.0	-1	W	3	b,-	63	65	7	2500	Cu	1	Ci	2	•
Cranwell	1022.4	-1	SW'W	3	0	61	65	8	1500	St.Cu	10	-	10	1	1021.7	0	W	3	bc	61	65	7	—	—	0	ASt	4	•
Gorleston	1021.8	0	SE'S	3	c	52	85	6	4000	St.Cu	8	-	8	•	1021.6	0	WSW	2	b,-	60	65	8	5700	StCu	3	—	3	0
Valencia (Cahirciveen)	1022.0	-2	S'W	4	o/r,	54	92	6	800	St.	7	A.St	10	1	1019.0	-4	S	5	orr	53	92	6	800	St	10	—	10	3
Roches Point														•														
Pembroke (St. Ann's H.)	1024.3	+1	SSW	2	b	56	85	8	4000	Cu	2	Ci	3	•	1023.5	-1	SW	3	c+	53	85	8	4000	StCu	8	—	8	3
Ross-on-Wye	1022.4	-1	SSW	3	o+	62	65	7	4000	Cu	9	-	9	0	1021.8	-1	W'S	3	c⊕	62	65	8	4000	StCu	6	CiSt	8	•
Benson	1023.1	0	WSW	2	o	62	65	8	—	Cu	9	—	9	0	1022.3	-1	SSW	3	0	61	75	8	—	StCu	9	—	9	•
Andover	1023.6	+1	—	0	0	59	75	7	4000	StCu	10	-	10	0	1023.1	0	SSW	3	0	59	75	8	4000	StCu	9	—	9	•
S. Farnborough	1024.1	0	WSW	2	o+	60	75	8	2500	StCu	10	-	10	0	1023.2	-1	SW	3	bc	61	65	7	—	—	0	ACu	5	•
London (Kew Obsy.)	1023.7	-1	W	2	0	60	65	8	4000	StCu	10	-	10	0	1022.8	-1	SW	2	0	61	65	8	5700	StCu	6	ACu	10	•
Croydon	1023.4	-1	W'N	1	0	61	65	7	4000	StCu	10	-	10	0	1022.9	-1	SW'S	3	0	59	75	7	4000	StCu	10	—	10	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1022.6	0	SSE	3	0	57	85	6	7200	StCu	8	—	8	0
Shoeburyness	1023.6	+1	WSW	1	0	57	65	6	4000	StCu	7	A.Cu	9	*	1023.1	0	SSW	2	c-	58	55	6	5700	St	4	ACu	7	•
Grain	1023.6	0	WNW	1	0	58	75	7	4000	StCu	10	-	10	1	1023.0	-1	S'W'S	3	0	58	65	8	4000	StCu	10	—	10	0
Lympne	1023.9	0	W	2	0	57	75	6	2500	St.	8	A.St	10	1	1024.0	0	WSW	1	o/r	55	85	7	4000	StCu	10	—	10	•
Scilly (St. Mary's)	1025.9	0	W	3	bc	58	85	8	4000	Cu	5	—	5	•	1024.9	0	WSW	1	0	54	85	8	4000	StCu	10	—	10	2
Falmouth (Pendennis)	1025.6	+1	NW	1	0	55	85	8	4000	Cu	9	-	9	•	1025.9	0	W	3	bc-	58	75	8	4000	Cu	5	—	5	0
Plymouth (Cattewater)	1024.5	-0	SSW	3	b	59	85	7	4000	StCu	3	-	3	0	1023.8	0	SW	3	b,-	55	85	8	—	—	0	ACu	1	0
Portland Bill	1024.1	0	SW	3	b	56	85	7	1500	Cu	2	-	2	•	1024.2	-1	SW	3	b	55	85	7	—	—	0	CiCu	1	1
Southampton (Calshot)	1024.5	0	SW	3	o+	58	75	8	4000	StCu	7	A.St	10	0	1024.0	0	SW'W	4	b-	56	65	8	4000	StCu	2	Ci	3	0
Dungeness	1024.2	+2	WSW	2	o+	54	85	7	-	-	0	A.Cu	10	•	1023.6	0	WSW	4	0	54	85	7	4000	StCu	10	—	10	4
Jersey	1025.4	0	WNW	2	0	57	75	8	2500	StCu	10	—	10	•	1024.7	0	WNW	2	b	59	75	8	—	—	0	—	0	0

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. 8th								YESTERDAY.		TO-DAY.
Kew	c0	0	0mwow	*	*	42	-	-	0.4	*	*
Croydon	or, 1m	oc0	0bmgw	*	*	40	Tr	-	1.7	*	*
Greenwich (Royal Obsy.)	0	0	o0c0	66	46	34	-	-	0.4	63	64
City (Bushill Row)	*	*	*	*	*	*	*	*	0.9	*	*
Westminster (St. James' Pk.)	*	*	*	64	48	44	-	-	1.4	59	40
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	0.6	*	*
Camden Square	c	oc0	*	64	48	44	-	-	*	*	64
Kensington Palace	0	0	0	64	48	41	-	-	*	64 (18h)	40
Hampstead Observatory	*	*	*	62	46	39	-	-	1.3	*	40

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	18h. 6th	0.3	3h 7th
	0.6	6h. 7th		

Kew Observatory	Max.	Time.	Min.	Time.
	0.9	22h. 6th	0.3	2h 7th
	0.3	7h 7th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 7th 21h. 30m. to 8th 03h. 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5.0	5 0	100
δ Ursae Minoris	5.0	4 56	99

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.	Siren.	Direc.
13h.	C,G,	6	-	30°
18h.	C,G,	5	-	15°
01h.	C	5	-	90°
07h.	C	5	-	110

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

7th to 9th June, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.33 / 3.33	11.52 / 11.52	8.11 / 8.12
Greenwich	3.46 / 3.46	11.59 / 11.59	8.11 / 8.12
Wick	3.10 / 3.9	12.11 / 12.11	9.11 / 9.12
Valencia	4.24 / 4.24	12.40 / 12.40	8.56 / 8.57

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. re 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.

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

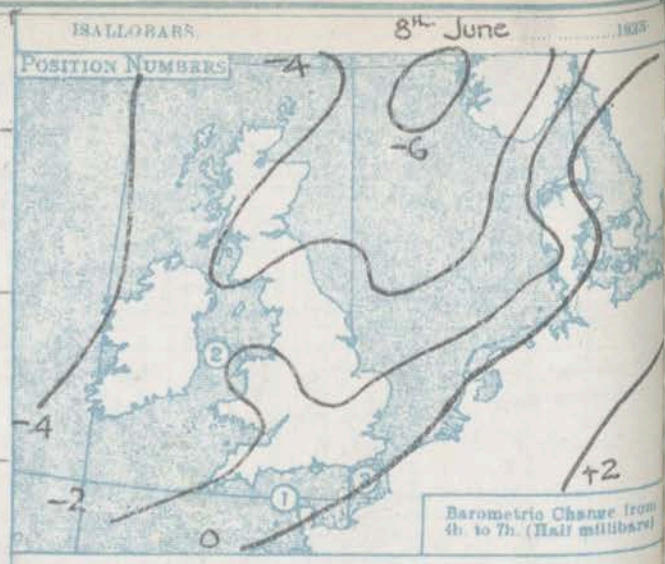
SEA DISTURBANCE.

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.

* 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. 7h	13h.-18h. 7h	18h. 7h to 1h. 8h	1h.-7h. 8h	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. 7h. 7h. Hours.
Lerwick	omr	omr	omr	ord	50	44	•	7	13	L0800	2400	0.0
Stornoway	oo	d	rd	p	56	50	•	0.2	2	—	·	1.2
Wick	oo	o	oo	orro	58	49	•	—	3	—	0130	•
Castlebay	orr	rro	orr	rro	52	50	•	0.3	2	—	-	0.2
Nairn	cobc	bcgc	cgg	cg	63	54	•	—	-	—	-	2.1
Aberdeen	otom	cbcby	co	ocprg	64	51	34	—	1	—	0430	4.6
Malin Head	c	cov	covgo	orr	59	46	•	—	·	—	0130	2.6
Renfrew	omo	oo	oo	oorr	61	51	49	—	2	—	-	5.5
Edinburgh (Inchkeith)	oo	o	oo	oo	58	51	50	—	-	—	·	5.2
Leuchars	oo	oc	oo	oom	64	52	45	—	-	—	-	4.0
Eskdalemuir	oo	o	oo	odm	57	44	46	trace	Trace	L0800	0630	2.4
Tynemouth	om	cm	om	oomg	64	50	46	—	-	—	-	•
Blacksod Point ...	oo	o		p	57	43	·	—	13	—	+	•
Donaghadee	c	c	o	orq	62	51	·	—	Trace	—	0630	•
Birr Castle	co	co	co	coir	61	51	49	—	0.5	—	0500	5.3
Holyhead	bcbcv	bbcv	bccoq	ogog	59	51	49	—	-	—	-	11.5
Liverpool (Bidston) ...	b.bc	bc	co		59	50	45		-		·	8.1
Chester (Shotwick) ...	cco	obc	bcc	ccov	64	54	44	-	-	-	-	6.2
Spurn Head	c	o	ozc	oo	60	49	•	—	-	—	-	4.5
Birmingham (Edgbaston)	oy	oy	bc	bco	64	46	43	—	-	—	-	•
Nottingham	cp.	bbc.	bc	oo	64	48	44	trace	-	L0800	-	4.0
Cranwell	co	ocbc	bc	bcco	63	44	41	—	-	—	-	4.4
Gorleston	c	cbc	bcmbc	bcmco	60	49	42	—	-	—	-	3.5
Valencia (Cahirciveen)	ocpo	omro	o	ofor	66	52	50	1	8	1230	2100	0.6
Roches Point												
Pembroke (St. Ann's H.)	b.bc	bbc	ogr	oo	64	50	•	—	0.1	—	2400	9.6
Ross-on-Wye	cobcc	ocbc	cbcco	oo	65	48	44	—	-			4.3
Benson...	oco	oo	c	co	65	41	34	—	-	—	-	•
Andover	cbcbo	oco	bcbc	bcco	64	43	34	—	-	—	-	2.9
S. Farnborough ...	co	ocpro	occo	obco	65	44	40	trace	—	1430	-	3.4
London (Kew Obsy.) ...	co	o	bmrbco	coo	63	49	42	—	-	—	-	0.4
Croydon	orobm	oco	obm	bom	64	45	40	trace	-	L0800	-	1.1
Clacton-on-Sea ...	ogm	ogmcz	cg	cog	61	49	43	—	-	—	-	1.9
Shoeburyness	og	bbc	cbcbcc	co	62	44	43	—	-	—	-	0.2
Grain	omoco	ocoz		oo	61	44	39	trace	Trace	L0800	2100	0.3
Lympne	omro	omro		ocofm	59	45	36	trace	Trace	L0800	-	0.5
Scilly (St. Mary's) ...	bc	bcco	co	oo	59	50	•	—	-	—	-	4.2
Falmouth (Pendennis)	bc	bc	bcco	coo	65	49	·	—	-	—	-	5.0
Plymouth (Cattewater)	ob	b	bo	oo	59	51		—	-	—	-	8.2
Portland Bill	b.bc	obc	?	c	58	52	·	—	-	—	-	•
Southampton (Calshot)	c	bbc	bbc	c	61	50	44	—	-	—	-	4.6
Dungeness	c	c	c	c	58	51		—	-	—	-	•
Jersey	obco	ocb	o	obmbc	60	42	·	—	-	—	-	4.5



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Barometer.
2	7th 1230	Scotia	SW	2	bv	52	50	9
1	" 1100	"	W	2	bl	54	53	1
3	8th 0200	Arundel	W	4	b4	53	53	4

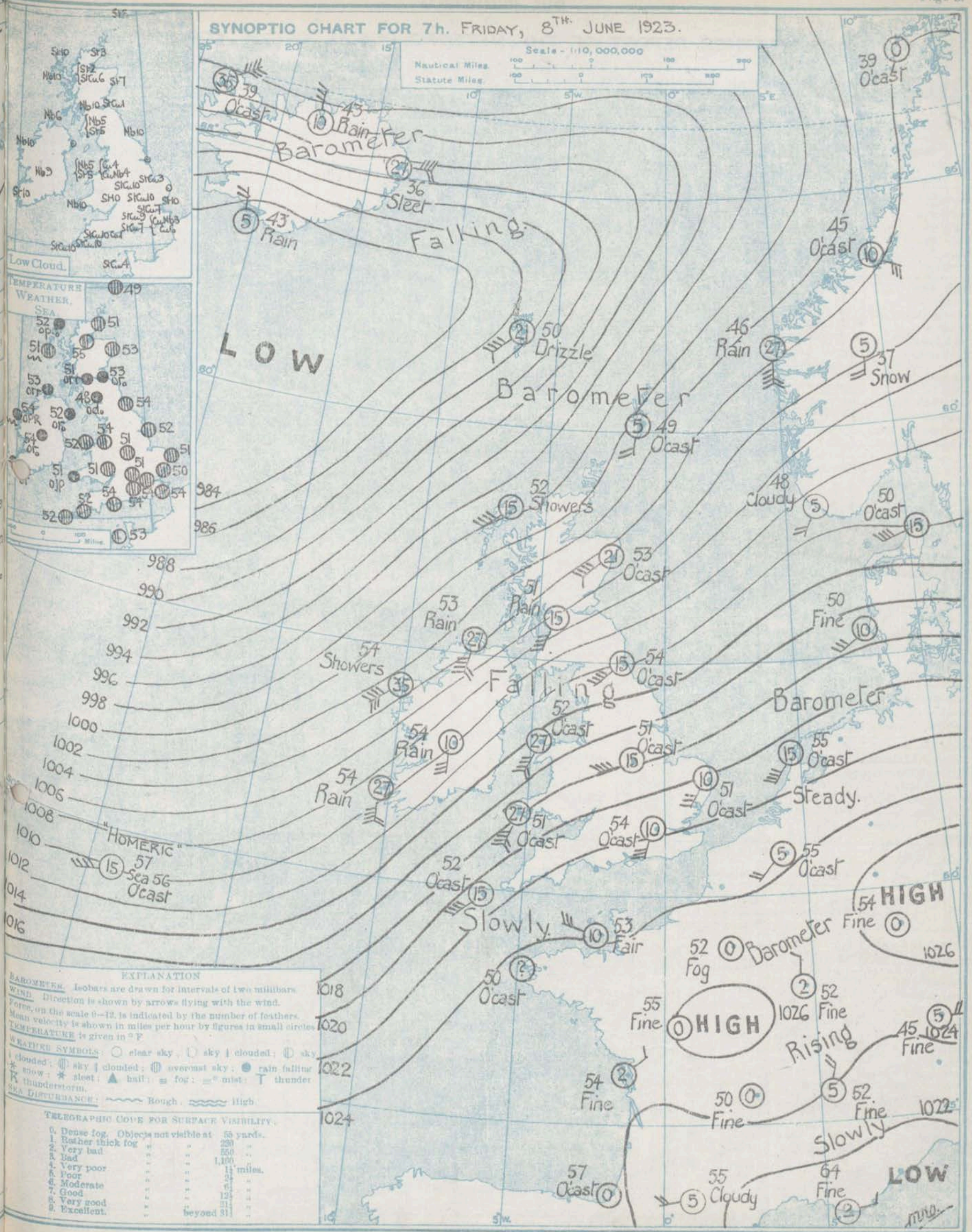
GENERAL INFERENCE.

The deep depression centred south of Iceland continues to move slowly Eastward. Southwesterly winds will blow with gale force on the Atlantic Seaboard and some rain is probable in all districts. In the southeast of England however, the fall is not likely to be heavy and there will be bright intervals.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 8th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Fresh S.W. wind; cloudy, some rain, bright intervals; visibility mainly good; moderate temperature.	Unsettled with S.W. to W. winds -------- ▽ S. Cone hoisted at 2045 GMT. yesterday ▼ S. Cone hoisted at 0300 GMT. to-day.
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	Strong S.W. wind; a gale in exposed places; dull, some rain; visibility moderate; moderate temperature.	
▼ 14. N.&N.W. Scotland ▼ 15. Hebrides ▼ 16. Orkneys and Shetlands	Wind S.W. strong to a gale; rainy; visibility moderate; moderate temperature.	
▼ 17. N.W. Ireland ▼ 18. N.E. Ireland ▼ 19. S.E. Ireland ▼ 20. S.W. Ireland	Wind S. to S.W.; veering W. temporarily, strong to a gale; rainy at first, bright intervals later; visibility moderate to good; moderate temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0855 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 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	"

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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....FRIDAY, 8TH JUNE.....1923. No. 159

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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1004·0	-3	SW	5	o/r	49	92	6	4000	Nb	2	A St	10	*
Stornoway	1004·2	-6	SW	4	r	*	*	5	*	*	*	*	*	*
Wick	1005·0	-8	SW	4	0	51	85	8	1500	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1007·2	-4	SW	6	0	54	85	9	5000	Nb	4	A Cu	9	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1011·0	-3	SW	4	0	53	92	8	*	St Cu	3	A St	10	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1015·4	-4	W	2	0	52	85	6	4000	Cu	10	-	10	*
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1012·1	-6	SSW	5	0	51	92	6	2500	St Cu	10		10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1019·1	+2	SSW	3	c	52	86	4	4000	St Cu	8	-	8	*
Birmingham (Edgbaston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1016·9	-1	SW'S	1	bc	48	94	4	-	-	0	C St	5	*
Gorleston	1020·3	0	SSW	2	mbc	51	92	5	-	-	0	-	0	*
Valencia (Cahirciveen)	1014·4	-4	WSW	4	0	52	72	9	*	St	10	-	10	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1016·3	-6	WSW	5	or	50	92	8	1500	Nb	10	-	10	*
Rossen-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	52	*	*	*	*	*	*	*	*
Croydon	1020·1	0	SSW	3	6	48	92	6	-	-	0	A Cu	8	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne														*
Scilly (St. Mary's) ...	1020·5	-1	WSW	4	0	52	85	5	4000	St Cu	10	-	10	*
Falmouth (Pendennis)	1014·2	0	WSW	3	0	51	95	4	4000	St Cu	10	-	10	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1024·0	0	WSW	4	b	55	94	8	-	-	0	C Cu	1	*
Southampton (Ca. shot)	1023·4	-1	SW	3	0+	52	85	4	1500	St	4	-	4	*
Dungeness	1023·0	0	SW	3	0	52	92	8	-	-	0	-	0	*
Jersey 7h }														*
Guernsey 1h }														

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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1000·3	-4	S	2	o/r	49	92	5	500	St	6	A St	10	1
Stornoway	997·2	-2	SW	4	o/r	52	92	6	400	S	10	-	10	3
Wick	999·6	-3	SSW	4	0	51	92	8	1000	S	3	A St	10	3
Castlebay	1000·1	-3	W	3	o/r	51	94	6	800	Nb	10	-	10	6
Nairn	1000·6	*	W	4	c	50	95	8	1000	St Cu	8	-	8	*
Aberdeen	1004·1	-3	SW'S	3	0	50	83	4	1500	St	4	A St	10	0
Malin Head	1002·8	-3	SW	6	o/r	50	84	4	3500	Nb	6	A St	10	3
Renfrew	1006·9	-4	SSW	4	o/r	51	92	6	400	Nb	10	-	10	*
Edinburgh (Inchkeith)	1006·3	-4	SW	3	o/r	50	85	3	*	St Cu	1	A St	10	4
Leuchars	1006·1	-4	SW	4	or	52	83	6	1500	St	3	A St	10	*
Eskdalemuir	1010·2	-4	SSW	6	oc+	48	94	5	450	Nb	10	-	10	*
Tynemouth	1011·3	-2	SW	4	0	54	95	6	1500	Nb	10	-	10	2
Blacksod Point ...	1000·4	-8	SW	4	oPR	54	92	4	*	Nb	10	-	10	4
Donaghadee	1009·4	-4	SW	4	o+	52	92	8	-	-	0	A St	10	4
Birr Castle	1009·4	*	S	3	or	54	83	6	1500	Nb	9	-	9	*
Holyhead	1014·6	-2	SSW	6	0	52	94	4	800	Nb	10	-	10	4
Liverpool (Bidston) ...	1015·3	-2	SW'S	3	c	54	95	9	1500	Cu	8	-	8	0
Chester (Shotwick) ...	1015·4	-2	S	2	0+	54	95	9	1500	St	9	Cu St	10	*
Spurn Head	1016·6	-3	SW	4	0	52	95	4	-	-	0	A St	10	3
Birmingham (Edgbaston)	1018·0	-2	SSW	4	0	50	85	4	4000	St Cu	10	-	10	*
Nottingham	1014·2	-3	WSW	4	0	51	85	4	2500	St Cu	10	-	10	*
Cranwell	1015·1	-3	SSW	4	0	50	85	4	2500	St Cu	3	A St	10	*
Gorleston	1020·3	-1	SW'S	3	o/bc	51	85	6	-	-	0	A St	10	0
Valencia (Cahirciveen)	1010·0	-3	S	6	or	54	92	6	450	St	10	-	10	4
Roches Point	1018·1	-3	SSW	6	o/r	51	92	8	2500	Nb	10	-	10	5
Pembroke (St. Ann's H.)	1018·9	-2	SW	4	0	51	93	6	2500	St	10	-	10	*
Rossen-Wye	1020·0	-1	SW	4	0	51	85	8	*	St Cu	10	-	10	*
Benson...	1022·0	-1	SW	4	0+	51	92	8	1500	St Cu	10	-	10	*
Andover	1021·4	-1	SW	4	0+	54	95	8	2500	St Cu	9	-	9	*
S. Farnborough ...	1021·3	-1	SSW	3	0	54	85	4	2000	St Cu	4	Cu St	10	*
London (Kew Obsy.) ...	1021·8	-2	SW	3	0	52	85	4	800	St	10	-	10	*
Croydon	1021·5	0	SW	4	0	50	92	6	1500	St	10		10	2
Clacton-on-Sea ...	1021·8	-1	WSW	3	0	52	95	4	2500	St Cu	10		10	*
Shoeburyness	1021·0	-2	SW	4	0	52	85	4	1500	Cu	9	-	9	1
Grain	1022·8	-1	WSW	2	o/f	50	94	6	450	St	9	A Cu	10	*
Lympne														
Scilly (St. Mary's) ...	1021·0	-2	SW'S	4	0	52	85	4	4000	St Cu	10	-	10	4
Falmouth (Pendennis)	1021·1	-3	SW	3	0	52	83	3	4000	St Cu	10	-	10	0
Plymouth (Cattewater)	1021·5	-1	SW'S	4	0	52	83	3	4000	St Cu	10	-	10	0
Portland Bill	1022·3	-2	WSW	3	c+	54	83	4	3500	Cu	1	A St	4	1
Southampton (Ca. shot)	1022·6	-1	SW	3	0+	54	83	8	1500	St Cu	4	Cu	9	0
Dungeness	1022·6	-1	WSW	3	0+	54	85	4	4000	Cu	9	-	9	3
Jersey 7h }	1020·1	0	WNW	3	bc	53	85	8	4000	St Cu	4	-	4	0
Guernsey 1h }														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 6-7 °F.	Temperature. Max. Day. 7 °F.	Rainfall.† Night. 17h.-9h. 6-7 mm.	Rainfall.† Day. 9h.-17h. 7 mm.	Sunshine. Sunrise to 9h. 7 hr.	Sunshine. Sunrise to Sunset. 6 hr.
Berwick-on-Tweed ...	bc	obc	44	62	-	-	6·2	8·1
Montrose	*	*	38	65	-	-	5·1	9·4
Llandudno	cbc	bcc	51	61	1	-	8·4	0·8
Colwyn Bay ...	bc	bc	49	62	2	-	6·3	0·8
Rhyl...	bc	bc	50	60	1	-	7·0	1·1
Southport	ccbc	bcbcc	50	59	-	-	7·2	3·8
Blackpool	oc	bcc	50	59	-	-	6·4	5·0
Ilkley	cobcc	bcbcb	47	62	1	-	3·3	0·4
Harrogate	c	cbcb	42	54	0·3	-	4·5	0·9
Skegness	bcob	obcb	46	57	-	-	5·4	2·8
Aberystwyth ...	occ	b	51	58	-	-	9·5	0·5
Bath	ocbc	cbcb	51	65	-	-	6·6	4·7
Leamington Spa ...	ocbo	ocb	49	64	-	-	1·0	2·3
Lowestoft	oc	oco	41	67	-	-	3·2	8·6
Felixstowe	op	oco	48	63	-	0·2	1·7	0·7
Southend	c	c	47	63	1	-	0·3	0·3

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 6-7 °F.	Temperature. Max. Day. 7 °F.	Rainfall.† Night. 17h.-9h. 6-7 mm.	Rainfall.† Day. 9h.-17h. 7 mm.	Sunshine. Sunrise to 17h. 7 hr.	Sunshine. Sunrise to Sunset. 6 hr.
Ilfracombe	b	bcc	51	57	-	-	9·2	1·9
Bude	ocbc	bcbc	52	60	-	-	6·4	8·1
Penzance	bc	bc	50	61	-	-	-	-
Paignton	cobc	bay	47	64	-	-	5·5	2·8
Torquay	bc	bc	49	56	-	-	6·0	4·7
Weymouth	obc	b	50	66	-	-	6·6	3·0
Bournemouth ...	ccb	b	50	65	-	-	5·5	6·0
Portsmouth (S'thsea)	bc	bcoc	51	62	-	-	2·5	0·3
Worthing	o	oc	50	59	-	-	0·4	1·1
Brighton	c	c	51	60	-	-	1·6	2·3
Eastbourne	c	o	49	63	5	-	0·9	1·5
Hastings	ccc	bcco	48	59	1	-	1·1	0·5
Folkestone	o	dog	47	56	0·2	-	0·0	0·0
Tunbridge Wells ...	co	oc	45	61	1	-	0·6	0·6
Ramsgate	bc	bcc	47	61	1	-	3·4	0·2
Margate	cbc	bo	48	60	-	-	3·3	0·0
Deal	o	o	47	60	0·3	-	1·2	0·0

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* Intersection for these columns not usually received. † Trace = rain has fallen but amount less than 0·2 mm. ‡ For code see page 8. § See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22,479 Saturday, 9th June 1923.

STATIONS.	1300 G.M.T. 8th: 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.	1800 G.M.T. 8th: 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	996.8	0	SW	3	c-	51	92	6	800	St.	5	A.Cu	7	•	995.6	0	SW	3	ifb	51	85	5	300	St	1	CiCu	3	2
Stornoway	996.2	-1	SW	5	bc-	56	65	7	800	St.	6	-	6	•	994.4	-2	SW'W	6	bc-	55	75	8	4000	Cu	4	-	4	5
Wick	996.5	-3	SW	4	or	57	92	8	4000	Cu.Nb	6	A.st	10	•	995.7	0	W	5	c	58	65	8	2500	CuNb	7	-	7	3
Castlebay	996.7	0	WSW	4	mmo	51	97	6	1500	St.	10	-	10	•	998.0	-1	WSW	5	mmo	53	85	6	1500	St	10	-	10	6
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	•	997.0	*	W	5	bc-	58	55	8	4000	Cu	3	CiCu	2	•
Aberdeen	1000.4	-1	SW'S	4	o/r	56	85	7	1500	St.	6	A.St	10	0	998.7	-1	WSW	5	c	61	55	8	4000	Cu	4	ACu	7	0
Malin Head	1001.4	+1	W	6	o-	55	92	8	5700	Nb	9	-	9	•	1001.8	0	WSW	6	o	54	92	8	5700	Nb	9	-	9	4
Renfrew	1003.9	-2	SW	5	odd	54	92	6	225	Nb	10	-	10	2	1003.3	+1	W	4	o-	55	85	7	1500	St	4	ACu	10	•
Edinburgh (Inchkeith)	1002.9	-2	SW'W	6	orr	53	97	8	*	-	-	A.St	10	•	1001.3	+1	W	6	o/r	53	85	7	-	St	7	ASt	10?	5
Leuchars	1002.6	-4	SW	4	orr	54	92	6	1500	Nb	10	-	10	2	1001.1	0	WSW	6	o	56	75	7	1500	StCu	6	ASt	10	•
Eskdalemuir	1007.6	-3	SSW	7	orr	49	75	5	450	Nb	10	-	10	1	1004.5	-1	SW	6	or_0r_0	50	97	4	450	Nb	10	-	10	•
Tynemouth	1007.5	-3	SW	5	o/r	58	65	6	1500	Nb	9	-	9	•	1005.1	-2	SW	4	o	57	75	6	4000	Cu	6	ACu	10	1
Blacksod Point	1004.5	+3	SW	6	o	57	85	7	*	CuNb	9	-	9	•	1004.3	+1	SW	6	o	50	92	6	-	-	0	ASt	10	8
Donaghadee	1006.3	-4	SW	2	o/r	55	92	8	2500	St.	9	-	9	•	1005.9	0	W	3	o+	61	75	8	2500	Cu	6	ACu	10	4
Birr Castle	1008.5	*	SW	2	or_0	56	97	7	2500	Nb	9	-	9	•	1008.3	*	SW	3	c-	60	75	8	4000	StCu	5	CiCu	8	•
Holyhead	1011.0	-1	SSW	6	or	51	97	5	<150	Nb	10	-	10	1	1009.8	-2	SW'S	5	mmo	52	97	4	<150	St	10	-	10	5
Liverpool (Bidston)	1011.9	-3	SSW	5	o	56	75	8	1500	Nb	10	-	10	•	1010.2	-1	SW	5	o+	55	85	9	1500	CuNb	10	-	10	5
Chester (Shotwick)	1013.3	-3	SW	3	o	57	65	9	1500	St.	7	A.St	10	5	1011.8	0	SW	4	o	57	75	9	1500	St	10	-	10	•
Spurn Head	1014.2	-3	SW	4	o	57	75	7	4000	St.Cu	10	-	10	•	1011.4	-2	SW	6	o	56	75	6	4000	Nb	4	ASt	10	3
Birmingham (Edgbaston)	1016.6	-2	SW	6	o+	53	75	7	4000	St.Cu	10	-	10	0	1014.0	-3	SW	6	o	54	75	7	4000	StCu	10	-	10	•
Nottingham	1015.4	-2	SW	6	o	56	75	7	1500	St.Cu	10	-	10	•	1012.6	-4	SW	5	o	56	65	7	2500	Nb	10	-	10	•
Cranwell	1016.2	-1	SSW	5	o	55	75	7	1500	St.Cu	10	-	10	0	1013.2	-4	SW'S	6	o	56	75	7	1500	St	10	-	10	•
Gorleston	1017.9	-2	SSW	5	bc-	63	55	6	-	-	0	Ci.St	5	•	1015.8	-2	SSW	5	o	61	55	6	-	-	0	ASt	10	4
Valencia (Cahirciveen)	1010.7	+2	SW	4	o/r	57	85	6	800	St.	8	-	8	1	1010.6	-1	SSW	4	o+	55	55	6	800	St	4	ASt	10	4
Roches Point	1011.5	-2	S.W	5	od_0	55	92	5	800	Nb	10	-	10	•	1011.5	-1	WSW	4	o	55	92	7	800	St	9	ASt	10	7
Pembroke (St. Ann's H.)	1015.5	-2	SSW	7	oDD	50	97	6	800	Nb	10	-	10	•	1014.1	-1	SW	7	oDD	52	97	6	800	Nb	10	-	10	5
Ross-on-Wye	1017.5	-2	SW	4	o	55	75	7	4000	Cu	10	-	10	0	1015.5	-2	SW	5	o	54	85	7	2500	StCu	10	-	10	•
Benson	1018.6	-3	SW	6	o	59	65	8	-	Cu	9	-	9	0	1018.1	-2	SSW	5	o	54	85	7	-	St	10	-	10	•
Andover	1020.0	-2	SW	5	o-	57	75	8	1500	St.Cu	10	-	10	0	1018.8	-2	SW'S	5	o/r	52	85	7	800	Nb	10	-	10	•
S. Farnborough	1020.3	-1	WSW	5	o-	60	65	8	2500	St.Cu	9	-	9	0	1018.5	-2	WSW	6	o+	54	75	8	2500	StCu	10	-	10	•
London (Kew Obsy.)	1019.6	-2	SW'S	5	c	62	55	8	4000	St.Cu	6	A.Cu	8	0	1018.2	-1	SW	4	o/r	57	65	8	2500	Nb	4	ASt	10	•
Croydon	1020.2	-1	SW	6	o	59	65	8	2500	St.Cu	8	A.Cu	10	0	1018.4	-2	SW'W	5	opr_0	56	75	8	1500	Nb	7	ASt	10	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	•	1017.8	-1	SW	6	o	58	75	7	5700	StCu	10	-	10	5
Shoeburyness	1020.0	-1	SW	5	bc	62	65	8	-	-	0	A.Cu	4	*	1018.2	0	SSW	5	c+	58	65	8	4000	StCu	5	ASt	8	•
Grain	1020.4	-2	SW	6	o	60	65	8	2500	St.Cu	5	Ci.St	9	0	1018.1	-2	SW'W	6	o	57	65	8	-	-	0	ACu	10	3
Lympne	1021.6	-1	WSW	6	o	58	75	8	2500	St.Cu	3	Ci.St	9	0	1020.0	0	WSW	5	o	54	85	8	5700	StCu	10	-	10	•
Scilly (St. Mary's)	1019.4	-2	SSW	5	o	54	85	7	4000	St.Cu	10	-	10	•	1018.1	-1	SSW	5	od_0	53	97	5	1500	St	10	-	10	6
Falmouth (Pendennis)	1019.0	-5	SW	8	o	54	75	8	4000	St.Cu	10	-	10	•	1017.5	-5	WSW	7	orr	52	97	5	2500	Nb	10	-	10	0
Plymouth (Cattewater)	1020.8	-1	SW'S	5	o	53	92	7	4000	St.	10	-	10	0	1019.3	-1	SW'S	4	o/r	51	97	6	450	St	10	-	10	0
Portland Bill	1022.2	-1	WSW	5	c+	55	85	7	-	-	0	A.St.	7	•	1019.3	-4	WSW	6	c	53	92	6	-	-	0	ASt	7	4
Southampton (Calshot)	1021.5	-2	SW'W	6	o+	57	65	8	2500	St.Cu	8	A.Cu	9	0	1019.8	-1	WSW	6	cr_0	55	92	8	2500	Nb	4	ASt	10	3
Dungeness	1022.2	0	WSW	4	bc-	58	75	8	-	-	0	Ci.Cu	6	•	1020.5	-3	WSW	4	c+	54	85	8	4000	StCu	8	-	8	4
Jersey	1022.2	0	W	3	b	58	65	8	-	-	0	-	0	•	1021.6	0	W	3	o	57	75	8	4000	StCu	10	-	10	0

LONDON OBSERVATIONS.	Weather Morning (24 hours ended 0900 G.M.T. 9th)	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 (24 hours ended 0700)	owoc	cqop₀	oq oo	•	•	53	tra	-	2.1	•	•
Croydon (24 hours ended 0700)	oo	oq p₀	opq d₀	•	•	51	tra	tra	2.4	•	•
Greenwich (Royal Obsy.)	oc	oc	o	65	53	50	-	-	2.6	64	85
City (Bunhill Row)	•	•	•	•	•	*	•	•	2.4	•	•
Westminster (St. James' Pk.)	•	•	•	63	55	53	-	-	2.7	62	84
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	2.7	•	•
Camden Square	c	co	•	63	54	52	-	-	•	•	87
Kensington Palace	c	co	•	63	54	52	-	-	•	7? (18h)	85
Hampstead Observatory	•	•	•	60	52	49	-	-	2.5	•	89

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 8th

South Kensington Max.	Time.	Min.	Time.
0.3	7th 17h	<0.3	8th
0.3	8th 7h		0-4h.

Kew Observatory Max.	Time.	Min.	Time.
0.4	7th 21h	<0.3	8th 3h
0.4	8th 7h		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 8th 21 h. 20 m. to 9th 2 h. 30 m.

Stars.	Exposure h.	Exposure m.	Record h.	Record m.	%
Polaris	5	0	0	0	-
δ Ursae Minoris	5	0	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 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.	CC	6	-	125°
18h.	CC_2	6	-	140°
01h.	CC_2	6	-	30
07h.	CC_2	6	-	180

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

9th & 10th June, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.32 3.33	11.52 11.52	8.12 8.12
Greenwich	3.46 3.45	11.59 11.59	8.12 8.13
Wick	3.9 3.9	12.11 12.11	9.12 9.13
Valencia	4.24 4.25	12.40 12.40	8.54 8.54

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.
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_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.

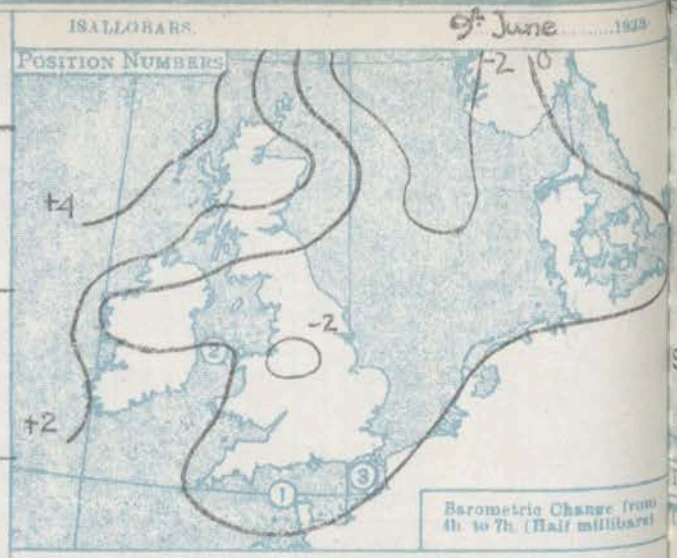
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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 2.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 8h.	13h.-18h. 8h.	18h. 8h. to 1h. 8h.	1h.-7h. 9h.	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. 8h. Hours.
Lerwick	c	bm	ompr	cpr	53	45	•	0.3	4	1100	<2100	3.4
Stornoway	oo	c	p	bcp	57	48	•	0.1	2	0900	–	5.2
Wick	opr	c	cpbqbr	bcjfq	62	46	•	0.3	trace	1230	<2100	•
Castlebay	oo	om	omdpo	oc	53	50	•	–	0.3	–	–	1.5
Nairn	cpqc	IRbcq	cq	cpbcq	66	49	•	2	1	0900	0230	5.4
Aberdeen	oroq	cqy	cyqbc	cbccq	62	51	46	0.2	–	<0800	–	1.7
Malin Head	r.co	oc	o	oc	56	51	•	1	–	<0800	–	0.5
Renfrew	orrd	odq	oqp.	omq	56	51	47	12	0.4	<0800	<2100	0.0
Edinburgh (Inchkeith)	R	rrpo	oo	c	56	52	50	3	–	<0800	–	0.9
Leuchars	r.rrq	oir.o	oqbo	oqbcc	58	50	44	3	–	<0800	–	0.1
Eskdalemuir	orr	or.ir	or.bcd	odm	50	49	48	30 26	0.5	<0800	<2100	0.0
Tynemouth	mirq	Mq	omv	om	59	53	50	1	–	0900	–	•
Blacksod Point ...	c	oo	f-m		57	48	•	–	2	–	–	•
Donaghadee	oqr	c	o	od	62	51	•	3	0.4	<0800	0430	•
Birr Castle	cpir.	cpr.	oqpr	ocpr	63	52	50	0.5	3	<0800	–	4.6
Holyhead	qrrqmirq	oirqm	ooirm	orofe	52	51	51	1	2	<0800	2400	0.0
Liverpool (Bidston) ...	cop.	oo	r-d		58	53	51	trace	2	–	0330	0.1
Chester (Shotwick) ...	ocprov	orr.oo	oo	or.r.	58	54	48	trace	1	0900	0230	0.6
Spurn Head	c	oqpo	oo	oopd	59	53	•	trace	trace	1530	0530	0.3
Birmingham (Edgbaston)	oo	oo	co	c	56	52	51	–	–	–	–	0.0
Nottingham	oo	oo	o	oo	57	54	53	–	–	–	–	0.0
Cranwell	oo	op.o	oo	oid.	57	53	51	trace	trace	1430	0430	0.4
Gorleston	cbcmq	bccoq	oqu	oo	67	54	51	–	–	–	–	3.4
Valencia (Cahirciveen)	oir.o	co	ord	omid	59	54	52	0.6	1	<0800	2200	1.9
Roches Point												
Pembroke (St. Ann's H.)	oqpdr	oqddm	oqdff	oqff	52	52	•	2	0.2	1100	<2100	0.0
Ross-on-Wye	oo	oq	oid.	oid.q	56	53	52	–	0.1	–	2200	0.0
Benson...	oo	oo	bo	oo	61	53	52	–	–	–	–	•
Andover	oo	oopr	oopro	o	58	51	50	trace	trace	1730	<2100	1.1
S. Farnborough ...	oo	oqr.o	o	odom	60	52	51	trace	–	1730	–	1.7
London (Kew Obsy.) ...	owoc	coopo	ooqo	oo	63	54	53	trace 0.1	–	1730	–	2.1
Croydon	oo	oqr.	op.q	oqd.	61	53	51	trace	trace	1730	0630	2.4
Clacton-on-Sea ...	ozc	c.o	c	cog	62	54	55	–	–	–	–	4.9
Shoeburyness	ocbc	bcc	co	o	63	52	50	–	–	–	–	6.6
Grain	c	ocqaq	oqbc	bcoo	62	53	49	–	trace	–	<2100	4.5
Lympne	om	oco	oo	omd.	59	50	47	–	trace	–	0530	6.6
Scilly (St. Mary's) ...	oqrr	oqmp	ffe	oqff	54	52	•	1	0.1	1100	<2100	0.0
Falmouth (Pendennis)	oo	mmr	omrd	omdfo	57	51	•	0.5	1	1530	2400	0.0
Plymouth (Cattewater)	oo	or	or	odme	54	51	51	1	0.5	1630	<2100	0.0
Portland Bill	c	c	oo	om	54	52	•	–	trace	–	–	•
Southampton (Oakshot)	c	oo	oqd.	omm	59	53	51	trace	trace	1730	<2100	7.8
Dungeness	c	c	oo	oo	59	53	•	–	–	–	–	•
Jersey	bcb	bco	o	o	62	54	•	–	–	–	–	11.5



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Authority.
2	8th 1000	Scotia	S	7	oemq	53	52	G
3	9th 0300	Brighton	WSW	5	d.	55	54	G

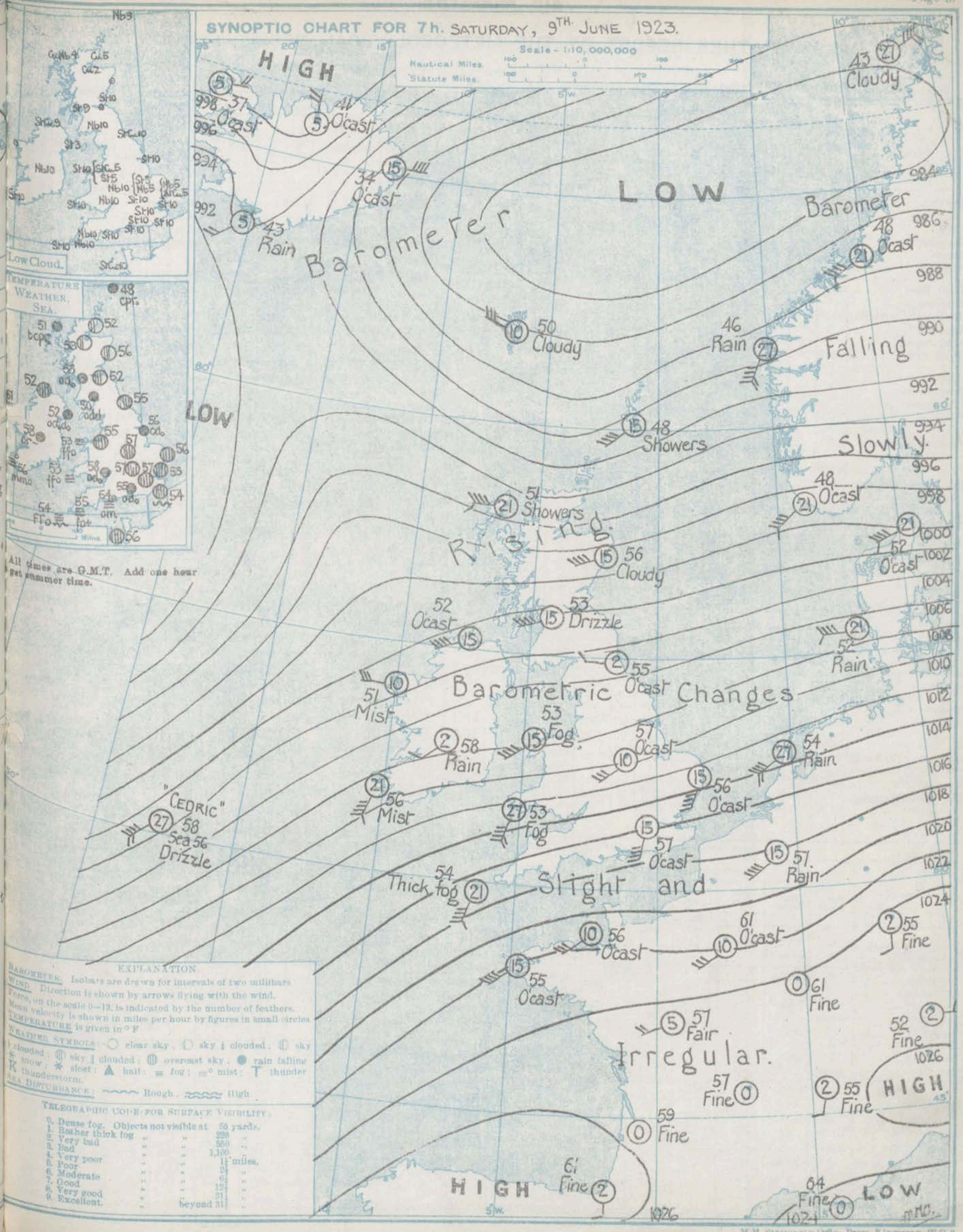
GENERAL INFERENCE.

The deep depression recently to the south of Iceland is moving away eastwards but another is approaching Iceland from the Southwest. Southwesterly winds will continue, strong to a gale at times in exposed places, with cloudy unsettled weather.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 9th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Wind S.W., fresh to strong; a gale at times in exposed places; cloudy, occasional light rain or drizzle; visibility poor at times; moderate temperature.	Unsettled with S.W. to W. winds. --- S Cone hoisted at ▽ 2045 GMT. 7th. ▼ 0900 GMT. 8th. ▼ 2030 GMT. 8th.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S.W., fresh to strong, a gale at times in exposed places; cloudy, occasional rain; visibility poor at times; moderate temperature. E.X.N.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0855 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:

Page 4. BRITISH SECTION. Saturday, 9th June 1923. No. 160.

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	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	997.9	-2	SW	3	cpr	49	85	5	2500	Nb	10	-	10	•
Stornoway	994.0	-2	W	6	PR	•	•	5	•	•	•	•	•	•
Wick	993.7	-3	SW	4	b	48	85	9	4000	Cu	1		1	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1001.1	0	SW	6	0	52	92	8	5700	StCu	9	-	9	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1000.5	-1	WSW	5	c	52	92	8	-	St	4	CiCu	8	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1004.9	-1	W	1	0	53	85	6	4000	StCu	10	-	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1009.1	-1	SW'W	5	0/r	52	97	7	800	St	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1009.0	-3	SW	5	0	54	85	7	-	-	0	A St	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1011.7	-2	SW'S	4	0	54	92	7	1500	St	10	-	10	•
Gorleston	1013.0	-1	SW'S	4	0	55	73	7	4000	Nb	5	A St	10	•
Valencia (Cahirciveen)	1006.5	-3	WSW	6	0/r	56	92	8	•	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1013.0	-1	SW	6	ffo	52	97	2	<150	St	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	*	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	*	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	*	•	•	•	•	55	•	•	•	•	•	•	•	•
Croydon	1016.6	-2	SW	5	0/r	53	86	7	800	St	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1018.6	-2	WSW	5	0	51	92	6	2300	St	9	-	9	•
Scilly (St. Mary's) ...	1016.9	-1	SW	5	FFo	54	92	1	220	St	10	-	10	•
Falmouth (Pendennis)	1016.6	-3	WSW	5	odd	53	97	6	2500	Nb	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1017.3	-6	WSW	6	0	53	92	6	2500	St	10	-	10	•
Southampton (Ca.shot)	1017.7	-2	SW'W	6	odd	53	97	8	1500	St	10	-	10	•
Dungeness	1017.9	-2	WSW	6	c	53	92	8	-	-	0	A St	7	•
Jersey 7h }														
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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	990.3	-2	SW	4	cpr	48	88	6	4000	Nb	3	A Cu	7	3
Stornoway	995.3	+4	W	5	bcpr	51	92	7	1500	Cu Nb	4	Ci	5	4
Wick	994.0	+1	W	4	bc+	52	85	8	4000	Cu	5	-	5	3
Castlebay	999.2	+2	W	4	c	51	85	7	1500	StCu	7	-	7	5
Nairn	997.6	•	W	4	bc-	53	73	8	4000	Cu	2	A Cu	4	•
Aberdeen	998.1	+2	WSW	4	c	56	65	8	-	-	0	A Cu	8	0
Malin Head	1002.1	+2	WSW	4	c	52	92	8	5700	StCu	9	-	9	4
Renfrew	1002.6	+2	WSW	4	od	53	85	6	1500	St	9	A St	10	•
Edinburgh (Inchkeith)	1000.7	+1	WSW	6	c	52	85	7	-	-	0	Ci Cu	7	
Leuchars	1000.8	+3	SW	5	0	53	85	7	1500	St	10	-	10	•
Eskdalemuir	1003.5	0	SW'W	6	odd	50	92	5	450	Nb	10	-	10	•
Tynemouth	1003.2	0	W	1	0	55	73	6	2500	StCu	10	-	10	0
Blacksod Point ...	1003.3	0	W	3	mo	51	97	5	-	-	0	A St	10	3
Donaghadee	1006.1	0	SW	2	odd	52	97	8	2500	St	3	A St	10	1
Birr Castle	1006.7	•	SW	1	or-	58	97	6	1500	Nb	10	-	10	•
Holyhead	1007.9	0	SW'W	4	ffo	53	97	3	<150	St	10	-	10	4
Liverpool (Bidston) ...	1007.5	-2	SW	4	o/r	55	92	9	1500	StCu	10	-	10	5
Chester (Shotwick) ...	1008.8	-1	SW	3	or	57	85	8	800	St	10	-	10	•
Spurn Head	1009.2	+2	SW	3	od	56	92	6	2500	St	10	-	10	2
Birmingham (Edgbaston)	1011.0	0	SW	5	0	57	92	7	1500	St	10	-	10	•
Nottingham	1009.6	-1	SW	3	0	57	92	6	2500	Nb	10	-	10	•
Cranwell	1010.2	-1	SW'S	4	odd	56	97	6	800	St	10	-	10	•
Gorleston	1012.8	0	SW'S	4	0	56	85	6	400	Nb	10	-	10	4
Valencia (Cahirciveen)	1008.2	+2	SSW	5	mo	56	97	6	450	St	10	-	10	4
Roches Point	1010.0	0	WSW	4	od	53	92	5	800	Nb	10	-	10	5
Pembroke (St. Ann's H.)	1012.3	+1	SSW	6	ffo	53	97	2	<150	St	10	-	10	5
Ross-on-Wye	1012.8	+1	SW	5	odd	54	85	8	2500	Nb	10	-	10	•
Benson...	1014.1	0	SSW	5	0	57	92	8	•	St	10	-	10	•
Andover	1015.9	0	SW'S	5	0	55	97	7	450	St	10	-	10	•
S. Farnborough ...	1015.7	0	WSW	6	odd	55	97	6	800	St	10	-	10	•
London (Kew Obsy.) ...	1015.4	0	SSW	4	0	57	85	7	1500	St	10	-	10	•
Croydon	1015.9	0	SW	5	odd	55	92	7	220	St	10	-	10	•
Clacton-on-Sea ...	1014.7	0	SSW	4	0	55	92	6	4000	St	10	-	10	4
Shoeburyness	1015.4	-1	SW	6	0	56	85	6	4000	StCu	10	-	10	•
Grain	1016.0	+1	SW'W	5	0	56	85	7	450	St	10	-	10	3
Lympne	1017.6	-1	WSW	5	odd	52	97	5	220	Nb	10	-	10	•
Scilly (St. Mary's) ...	1016.5	0	SW'S	5	FFo	54	97	1	1500	St	10	-	10	6
Falmouth (Pendennis)	1017.1	-1	WSW	5	fo+	55	97	2	220	Nb	10	-	10	0
Plymouth (Cattewater)	1017.1	0	SW	4	odd	54	97	3	<150	Nb	10	-	10	4
Portland Bill	1017.2	+1	WSW	6	mo	54	92	5	2500	St	10	-	10	3
Southampton (Ca.shot)	1017.2	0	SW	6	odd	54	97	6	800	St	10	-	10	7
Dungeness	1017.7	-1	SW	7	o+	54	92	7	1500	St	10	-	10	3
Jersey 7h }	1021.0	0	SW	3	0	56	85	8	4000	StCu	10	-	10	
Guernsey 1h }														

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 7th-8th	Temperature. Max. Day. 8th	Rainfall.† Night 17h.-9h. 7th-8th	Rainfall.† Day 9h.-17h. 8th	Sunshine. Sunrise to 17h. 8th	Sunshine. Sunrise to Sunset. 7th
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed ...	c	ORRP	50	61	-	0.4	0.0	7.7
Montrose	*	*	50	60	-	1	0.6	6.2
Llandudno	o	odo	?50	59	-	-	0.0	10.0
Colwyn Bay ...	c	c	51	57	-	-	0.5	8.0
Rhyl...	c	co	51	57	-	-	0.0	9.9
Southport	ocodo	odo	51	57	-	1	0.7	8.8
Blackpool	co	orq	51	56	-	3	0.1	7.7
Ilkley	o	omdo	46	64	-	0.1	2.1	4.9
Harrogate	o	oo	47	61	-	-	0.8	7.3
Skegness	wbco	copc	47	65	-	0.1	2.1	5.4
Aberystwyth ...	oco	o	51	56	-	-	0.0	9.0
Bath	oq	oq	49	57	-	-	0.1	7.8
Leamington Spa ...	o	o	46	57	-	-	0.1	1.5
Lowestoft	oc	co	47	66	-	-	3.0	3.3
Felixstowe	oc	c	49	64	-	-	5.0	2.6
Southend	o	bcco	47	63	-	-	5.6	0.4
Ilfracombe	o	od	50	57	-	0.5	0.0	10.0
Bude	c	odmo	46	60	-	?	0.0	9.2
Penzance	o	odr	52	57	-	1	-	-
Paignton	oq	oq	46	56	-	-	0.0	7.2
Torquay	o	o	49	56	-	-	0.1	7.7
Weymouth	bco	o	49	59	-	-	2.9	8.3
Bournemouth ...	b	bo	50	57	-	-	3.6	7.6
Portsmouth (S'thsea)	bbc	bc	50	62	-	-	6.3	4.1
Worthing	bc	bc	47	60	-	-	8.7	0.4
Brighton	bbc	bcbc	52	61	-	-	?	1.6
Eastbourne	cbc	bcc	50	60	-	-	9.9	0.9
Hastings	bcb	bbcco	48	59	Trace	-	8.6	1.4
Folkestone	b	b	46	60	-	-	7.5	0.0
Tunbridge Wells ...	bcbc	bc	44	60	-	-	5.0	0.6
Ramsgate	bc	bcc	45	60	-	-	6.3	3.7
Margate	cbc	bbcc	47	63	-	-	6.8	3.3
Deal	bc	bcc	47	61	-	-	8.7	1.2

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0.01 mm. § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22480 Sunday, 10th June 1923.

Observations at 1300 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	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	998.1	+8	WSW	4	bc	54	75	7	4000	Cu	4	–	4	•
Stornoway	1000.1	+5	W	4	o/r	55	75	7	4000	Nb	9	–	9	•
Wick	999.2	+3	W	5	o	58	65	8	4000	Cu	4	CiCu	9	•
Castlebay	1001.8	+1	SSW	4	o	52	92	7	1500	St	10	–	10	•
Nairn	•	•	•	•	•	•	•							•
Aberdeen	1001.8	+3	WNW	2	o+	62	55	8	4000	Cu	5	ACu	10	0
Malin Head	1002.7	0	NNW	1	odd	52	97	6	4000	Nb	10	–	10	•
Renfrew	1004.7	+1	SW	3	obr	57	75	8	1500	StCu	6	ASt	10	1
Edinburgh (Inchkeith)	1004.0	+3	WSW	5	o+	55	85	7	–	St	10	–	10	•
Leuchars	1003.3	+3	W	5	o+	61	55	8	4000	StCu	10	–	10	0
Eskdalemuir	1005.2	+1	SW	5	odd	57	85	5	800	Nb	10	–	10	1
Tynemouth	1006.4	+1	SW	1	od	57	92	5	800	Nb	10	–	10	•
Blacksod Point	1001.4	-1	WSW	7	o/r	58	85	5	–	–	0	ASt	10	•
Donaghadee	1005.5	0	SW'W	2	orr	60	92	7	2500	St	10	–	10	•
Birr Castle	1004.8	*	SW	2	o/r	61	92	6	800	Nb	10	–	10	•
Holyhead	1009.4	+2	SSW	6	mo–	55	97	5	450	St	10	–	10	1
Liverpool (Bidston)	1008.3	-1	SW	6	b–	64	75	7	4000	St	2	CiCu	3	•
Chester (Shotwick)	1010.0	+1	SW	5	o+	63	85	8	1500	St	10	–	10	0
Spurn Head	1009.5	+1	WSW	5	o	63	65	6	4000	StCu	10	–	10	•
Birmingham (Edgbaston)	1012.6	+2	SW	5	o	65	75	8	500	StCu	10	–	10	0
Nottingham	1011.1	+1	SW	4	o	66	75	7	2500	StCu	10	–	10	•
Cranwell	1011.6	+2	SW'S	4	o	67	75	7	1500	St	10	–	10	0
Gorleston	1012.8	0	SW	4	o	64	75	6	–	–	0	ASt	10	•
Valencia (Cahirciveen)	1009.1	0	S	5	mmo	57	97	6	220	St	10	–	10	1
Roches Point	1011.0	0	WSW	5	o	56	97	5	1500	St	10	–	10	•
Pembroke (St. Ann's H.)	1014.2	+2	SSW	5	mo–	52	97	6	<150	St	10	–	10	•
Ross-on-Wye	1014.7	+2	SW'W	3	o	59	92	7	2500	St	10	–	10	0
Benson	1015.4	+1	SSW	4	o	62	92	7	–	St	10	–	10	0
Andover	1016.7	+2	SSW	5	o	60	92	7	800	St	10	–	10	0
S. Farnborough	1017.0	0	SW	6	o	60	92	6	1500	St	10	–	10	0
London (Kew Obsy.)	1016.7	+1	SW'S	4	o	62	85	7	2500	St	10	–	10	0
Croydon	1016.7	+1	SW	5	o	61	85	8	450	St	9	ASt	10	0
Clacton-on-Sea	•	•	•	•	•	•	•	•	•					•
Shoeburyness	1016.3	+2	WSW	5	o	62	85	7	4000	StCu	8	ASt	10	•
Grain	1016.4	0	SW	6	o	63	85	7	1500	St	8	ACu	10	0
Lympne	1018.9	+1	WSW	5	odd	56	97	5	<150	Nb	10	–	10	5
Scilly (St. Mary's)	1018.0	+2	SW	5	fo–	56	97	3	1500	St	10	–	10	•
Falmouth (Pendennis)	1018.7	+1	WSW	5	o/f	55	97	6	450	St	10	–	10	•
Plymouth (Cattewater)	1018.3	+2	SW	4	oddd	54	97	4	<150	St	10	–	10	2
Portland Bill	1017.2	0	SW	7	ffo	55	92	3	450	St	10	–	10	•
Southampton (Calshot)	1018.4	+2	SW	6	odd	56	97	5	450	St	10	–	10	0
Dungeness	1018.7	+1	SW	6	o	55	92	6	1500	St	10	–	10	•
Jersey	1021.2	0	SW	4	o	62	85	8	4000	StCu	10	–	10	•

Observations at 1800 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	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1001.3	+8	WSW	5	bc	51	85	7	4000	Cu	3	CiCu	4	3
Stornoway	1000.2	0	WSW	3	o+	53	85	7	800	St	10	–	10	2
Wick	1001.9	+2	SSW	2	o	54	75	8	4000	CuNb	6	ASt	10	0
Castlebay	1000.0	-2	E	4	odd	50	97	6	800	Nb	10	–	10	4
Nairn	1001.8	*	–	0	cjp	56	75	8	1500	CuNb	8	–	8	•
Aberdeen	1003.8	+2	SW'S	2	o/r	57	75	7	4000	Nb	10	–	10	0
Malin Head	1000.3	-2	SW	3	oDD	57	97	6	4000	Nb	10	–	10	2
Renfrew	1003.5	-2	SW	4	odd	58	97	6	800	Nb	10	–	10	•
Edinburgh (Inchkeith)	1004.1	+1	–	0	mmo	54	97	4	–	Nb	10	–	10	0
Leuchars	1004.0	+1	WSW	1	o	58	75	7	1500	St	10	–	10	•
Eskdalemuir	1005.8	0	SSW	5	odd	53	97	5	450	Nb	10	–	10	•
Tynemouth	1006.8	0	SW	1	o/r	62	75	6	1500	StCu	10	–	10	0
Blacksod Point	1000.6	-1	SW	7	o	58	85	6	–	–	0	ASt	10	8
Donaghadee	1005.5	0	WSW	3	c–	65	85	8	2500	St	8	–	8	3
Birr Castle	1004.1	*	SW	2	o/r	63	85	7	1500	Nb	9	–	9	•
Holyhead	1010.7	+2	SSW	7	FFo	53	97	2	450	St	10	–	10	5
Liverpool (Bidston)	1009.8	+1	SW	6	c+	60	85	8	2500	StCu	5	CiSt	8	6
Chester (Shotwick)	1010.8	+1	WSW	6	o+	62	85	8	1500	St	7	ASt	9	•
Spurn Head	1011.0	+3	WSW	5	bc	66	65	7	–	–	0	ACu	6	3
Birmingham (Edgbaston)	1013.8	+2	SW	5	o	60	85	7	2500	St	10	–	10	•
Nottingham	1012.7	+3	WSW	4	o	63	75	7	1500	Nb	8	ACu	9	•
Cranwell	1012.7	+2	SSW	4	o	65	85	7	1500	StCu	8	ASt	10	
Gorleston	1014.1	+1	SW	4	o	67	75	6	4000	StCu	10	–	10	4
Valencia (Cahirciveen)	1008.5	-1	S	6	mmo	57	92	5	450	St	10	–	10	6
Roches Point	1011.3	0	SW	4	dd	56	97	5	800	Nb	10	–	10	6
Pembroke (St. Ann's H.)	1014.6	0	SSW	6	mmo	53	97	4	<150	St	10	–	10	5
Ross-on-Wye	1015.2	0	SW'W	4	o	60	85	7	2500	St	10	–	10	•
Benson	1017.1	+2	SSW	5	o	63	85	8	–	St	10	–	10	•
Andover	1018.0	+1	SSW	4	bc–	59	92	7	800	StCu	6	–	6	•
S. Farnborough	1017.1	+1	WSW	5	o–	62	85	7	1500	StCu	4	ACu	10	•
London (Kew Obsy.)	1017.0	0	SW'S	3	o	63	85	7	2500	StCu	8	ASt	10	•
Croydon	1017.3	0	SW'S	4	o–	61	85	7	600	St	5	ACu	9	•
Clacton-on-Sea	1016.6	+1	SSW	4	o	59	92	6	7200	StCu	10	–	10	4
Shoeburyness	1016.7	+1	SWW	4	c–	61	85	7	4000	Cu	2	CiCu	7	•
Grain	1017.7	+1	SW	5	o	60	85	6	1500	St	8	ACu	10	3
Lympne	1019.0	0	WSW	5	o	57	97	6	220	St	10	–	10	•
Scilly (St. Mary's)	1018.0	0	WSW	5	mo–	55	97	5	1500	St	10	–	10	5
Falmouth (Pendennis)	1018.7	0	WSW	5	o	55	97	7	800	St	10	–	10	0
Plymouth (Cattewater)	1019.1	+1	SW	4	o	54	97	5	<150	St	10	–	10	0
Portland Bill	1017.6	+2	SW	5	mo–	54	85	4	450	St	10	–	10	4
Southampton (Calshot)	1019.1	+2	SW	5	o	55	97	5	220	St	10	–	10	3
Dungeness	1018.5	+1	SW	7	o	56	92	6	1500	St	10	–	10	7
Jersey	1021.6	0	SW	4	o	60	85	8	4000	StCu	10	–	10	3

LONDON OBSERVATIONS. (24 Hours ended 0900 G.M.T. 10th.)

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)	o	o	oc	•	•	55	–	–	0.0	•	•
Croydon (24 hours ended 0700)	o9	o	o9	•	•	54	–	–	0.6	•	•
Greenwich (Royal Obsy.)	o	oc	co	67	57	52	–	–	0.1	83	83
City (Bunhill Row)	•	•	•	•		•	•	•	0.0	•	
Westminster (St. James' Pk.)	•	•	•						0.1		
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0.1	•	•
Camden Square			•						•	•	
Kensington Palace	co	co	•	64	58	53	–	–	•	81 (18h)	82
Hampstead Observatory	•	•	•						0.0	•	

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

	Max.	Time.	Min.	Time.
South Kensington	–	–	–	–
Kew Observatory	–	–	–	–

POLE STAR RECORD at Greenwich Obsy.

Exposure from 9th ......h......m. to 10th ......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.	[illegible]	6	–	[illegible]
01h.	CC	6	–	160
07h.	C	5		[illegible]

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

10th & 11th June, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.32 3.32	11.52 11.52	8.12 8.13
Greenwich	3.45 3.45	11.59 11.59	8.13 8.13
Wick	3.9 3.8	12.11 12.11	9.13 9.14
Valencia	4.22 4.23	12.40 12.40	8.57 8.58

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.
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.
$r_o r_o$ = 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 20 feet above the ground.

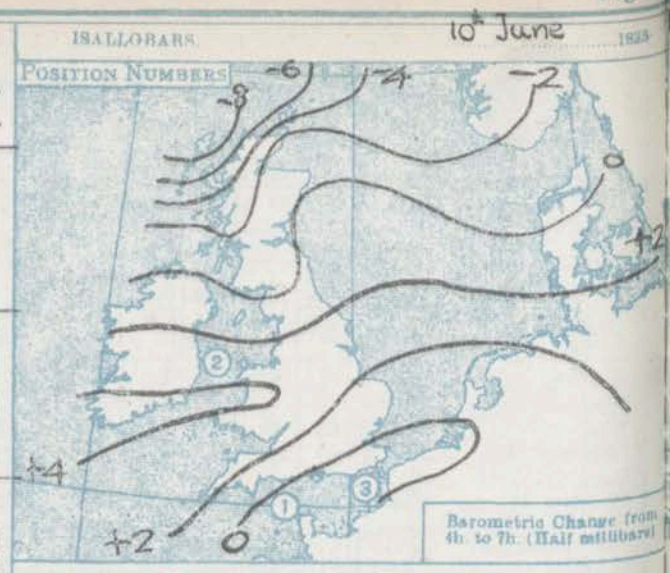
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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. 9th	13h.-18h. 9th	18h. 9th to 1h. 10th	1h.-7h. 10th	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. 9th. Hours.
Lerwick	bcq	bc	bo	omd	55	47	.	–	1	–	0230	10.2
Stornoway	p	c	r-d	p	56	48	.	0.4	4	11.00	<2100	1.5
Wick	oo	oo	op.r	c	60	48	.	–	trace	–	2400	.
Castlebay	com	omd	r.o r.	r.op	52	49	.	0.3	0.4	16.30	–	0.4
Nairn	bcqc	qcq	cdbc	qbc	61	52	.	–	0.4	–	0330	5.6
Aberdeen	boqq	oir.o	oprd.	obcq	63	51	50	Trace	0.6	16.30	<2100	4.0
Malin Head	cddm	iDm	idco	cou	59	50	.	2	0.2	09.00	<2100	0.0
Renfrew	oo p.	oodd	oddo	ocp.q	59	52	46	0.3	0.1	12.30	–	1.4
Edinburgh (Inchkeith)	o	odmm	c	p	57	52	50	0.6	1	16.30	0230	2.1
Leuchars	obcoco	obcco	oddm	qco	66	51	48	–	2	–	<2100	4.5
Eskdalemuir	opodm	odm	?	ohcco	58	49	48	3	5	<0800	<2100	1.5
Tynemouth	omw	oirlf	om	cmq	62	50	53	2	–	12.30	–	.
Blackrod Point ...	oo	oo					.	1		–		.
Donaghadee	r.r.	c	c	bcq	65	53	.	2	–	<0800	–	.
Birr Castle	orr.	prco	compr	coq	65	51	49	1	0.3	<0800	0630	0.0
Holyhead	ofom	mogff	ffeom	moqc	55	52	51	Trace	0.1	–	–	0.0
Liverpool (Bidston) ...	robqq	bc	coq		64	54	52	0.2	–	<0800	–	5.9
Chester (Shotwick) ...	or.oq	ocoq	oq	oqo	65	55	53	Trace	–	<0800	–	2.4
Spurn Head	r:d	oqc	bbc	oo	68	57	.	Trace	–	09.00	–	3.2
Birmingham (Edgbaston)	co	co	co	coo.	65	53	54	–	trace	–	0630	0.1
Nottingham	oo	c	co	oo	60	57	56	–	trace	–	0630	0.4
Cranwell	oo	coco	om	r-d	63	57	55	–	trace	–	0630	3.1
Gorleston	oo	oo	ocbc	bcoq	62	57	54	–	–	–	–	1.0
Valencia (Cahirciveen)	om	om	Omc	co	58	51	47	0.1	–	<0800	–	0.0
Roches Point	2d.02m	2d.02m	02m	0	57	52	*	0.5	0.4	–	–	
Pembroke (St. Ann's H.)	offo	offo	offe	oo	54	52	.	–	1	–	0130	0.0
Ross-on-Wye	qo	oo	oco	odo	62	55	54	–	0.1	–	0430	0.0
Benson...	oo	oo	oco	oo	64	56	53	–	–	–	–	.
Andover	o	ocbc	bcco	o	65	54	53	–	–	–	–	0.9
S. Farnborough ...	o	o	oq	o	64	55	54	–	–	–	–	0.1
London (Kew Obsy.) ...	oo	oo	oo	oc	64	58	55	–	–	–	–	0.0
Croydon	oq	o	o	oq	63	56	54	–	–	–	–	0.6
Clacton-on-Sea ...	oq	oqo3	oz	ocz	62	56	54	–	–	–	–	0.0
Shoeburyness	o	oo	c	cbc	64	56	53	–	–	–	–	0.4
Grain	oo	oo	obcco	obcco	63	57	50	–	–	–	–	0.4
Lympne	omd.	omd.	om	omd.	57	54	54	Trace	trace	<0800	0630	0.0
Scilly (St. Mary's) ...	ffeq	ifq	oqffe	oqs	57	51	.	–	1	–	0330	0.0
Falmouth (Pendennis)	foom	om	ombo	omfr	56	52	.	Trace	1	09.00	0330	0.0
Plymouth (Cattewater)	ododq	ome	oo	orc	55	53	53	0.1	0.6	<0800	0330	0.0
Portland Bill	f	f:m	f-m	f-m	56	51	.	–	–	–	–	.
Southampton (Calshot)	odd.m	omm	oo	ld.mq	58	53	53	Trace	trace	<0800	0330	0.0
Dungeness	oo	oo	f-m	oo	56	55	.	–	–	–	–	
Jersey	oco	oco	o	o	63	56	.	–	–	–	–	0.0



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Positions
2	9th 1010	Scotia	SW	6	oemq	55	50	6
1	9th 1100	-	SW	6	o	55	55	4
3	10th 0250	Arundel	WSW	4	bc	57	54	

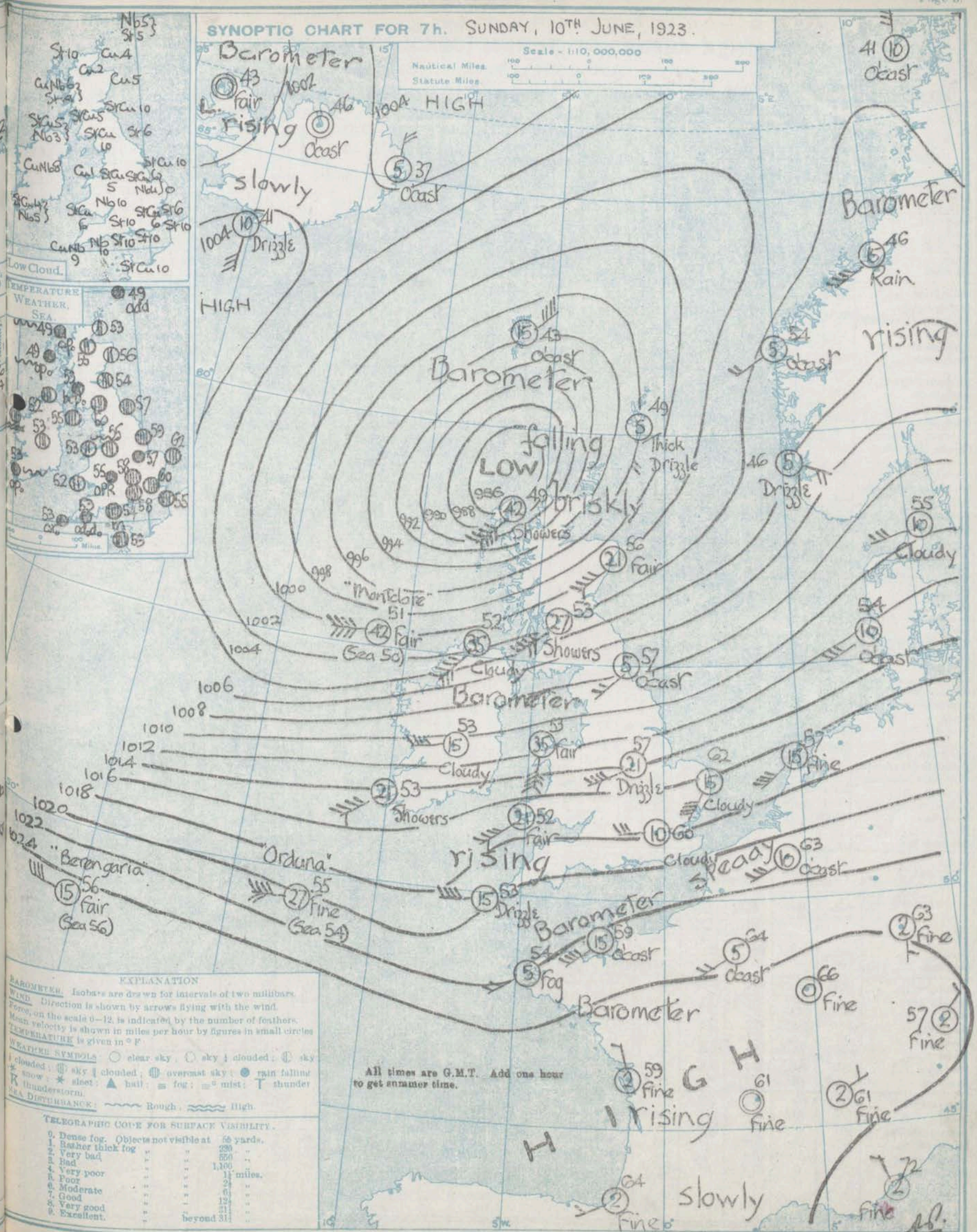
GENERAL INFERENCE.

A depression north of Scotland will maintain winds from between south-west and west, reaching gale force in exposed places with cloudy unsettled weather.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Sunday, 10th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Fresh westerly winds; cloudy, some showers but fair periods probable; visibility moderate to good; moderate temperature.	Unsettled with winds mainly from a westerly point. ---
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	Fresh or strong west to north-west winds reaching gale force in exposed places, moderating gradually; cloudy, fair periods, some showers; moderate temperature; visibility mainly good.	South Cone still flying all coasts. ---
19. S.E. Ireland 20. S.W. Ireland	As 1 - 6.	

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



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	" "	6	"
7. Good	" "	12	"
8. Very good	" "	31	"
9. Excellent.	" beyond	31	"

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION....Sunday 10th June.....1923. No. 161....

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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	10038	0	SSW	1	0+	48	92	7	5700	StCu	7	A.St	9	•
Stornoway	9967	-6	SW	6	r0+	•	•	3	•	•	•	•	•	•
Wick	9978	-5	S	3	opr.	50	92	8	2500	Nb	6	CiCu	9	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	10007	0	SSW	5	bc-	54	92	8	5700	StCu	6	-	6	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	10016	-2	WSW	5	bc-	58	85	8	•	St	4	-	4	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	10069	-1	SW	3	0	57	92	7	2500	StCu	9	-	9	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	10104	-1	SSW	6	m0-	53	97	4	800	St	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	10120	0	SW	5	0	59	85	7	4000	StCu	10	-	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	10145	0	SSW	4	0	59	92	6	1500	St	10	-	10	•
Gorleston	10164	+1	SW'S	3	bc-	59	85	6	-	-	0	A.St	4	•
Valencia (Cahirciveen)	10110	+2	W'W	4	0	52	85	8	•	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	10150	-1	SW	5	ff0	53	97	3	<150	St	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	59	•	•	•	•	•	•	•	•
Croydon	10154	0	SSW	4	0	57	92	7	1500	StCu	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	10202	0	WSW	5	0	55	92	6	220	St	10	-	10	•
Scilly (St. Mary's) ...	10187	0	SW	4	ff0	53	97	1	800	St	10	-	10	•
Falmouth (Pendennis)	10181	-1	WSW	5	m0+	55	92	5	450	St	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	10200	0	WSW	5	fo+	54	92	3	450	St	10	-	10	•
Southampton (Ca.shot)	10200	-1	SW'S	5	0	55	97	8	1500	St	10	-	10	•
Dungeness	10205	0	SW	4	o/f	55	97	7	-	-	0	A.St	10	•
Jersey 7h }														•
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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	9972	-6	SSW	2	oDD	49	97	2	220	St	10	-	10	1
Stornoway	9860	-9	SW	8	opr.	49	92	6	460	St	10	-	10	7
Wick	9952	-1	SSW	5	bc	53	85	8	5700	Cu	4	Ci.St	6	3
Castlebay	9936	-3	SW	7	opr.	49	92	6	800	CuNb	10	-	10	7
Nairn	9954	•	W	6	bc-	55	65	8	4000	Cu	2	CiCu	5	•
Aberdeen	10000	0	SW	5	0c	56	75	8	2500	Cu	6	-	6	1
Malin Head	10009	0	SW	7	c	52	85	8	5700	StCu	8	-	8	4
Renfrew	10026	-2	SW	6	bcpr.	53	85	7	1500	StCu	5	-	5	•
Edinburgh (Inchkeith)	10018	0	WSW	7	c+	54	85	8	×	Cu	5	ACu	8	5
Leuchars	10018	0	SW	6	0	55	75	8	1500	StCu	10	-	10	•
Eskdalemuir	10063	+1	SSW	6	0	50	85	7	1500	StCu	10	-	10	•
Tynemouth	10070	+2	SW	2	0	57	75	6	800	St	6	ACu	10	0
Blacksod Point ...	10059	+5	W	8	0	52	85	6	×	CuNb	10	-	10	8
Donaghadee	10071	+1	SW'W	5	c+	55	75	8	1500	Cu	7	-	7	3
Birr Castle	10105	•	W	4	c/r	53	85	6	1500	CuNb	8	-	8	•
Holyhead	10121	+3	SSW	6	bc-	53	92	7	2500	Cu	1	ACu	4	5
Liverpool (Bidston) ...	10126	+2	SW	4	c	55	75	8	2500	StCu	5	ACu	7	6
Chester (Shotwick) ...	10132	+4	SW	4	0	55	75	8	1500	StCu	8	ASt	9	•
Spurn Head	10120	+1	WSW	6	0	59	85	7	4000	StCu	10	-	10	3
Birmingham (Edgbaston)	10151	+2	WSW	4	orr	55	97	6	1500	Nb	10	-	10	•
Nottingham	10121	+2	WSW	5	or.	57	92	7	1500	Nb	10	-	10	•
Cranwell	10138	-1	SW	4	od.	58	97	6	1500	StCu	10	-	10	•
Gorleston	10161	0	SW'S	4	c+	62	75	6	-	-	0	ASt	8	1
Valencia (Cahirciveen)	10150	+5	SW	5	opr.	53	75	7	1500	St	9	-	9	6
Roches Point	10152	+4	W	5	0	53	85	7	2500	StCu	10	-	10	6
Pembroke (St. Ann's H.)	10169	+3	SW	5	bc-	52	92	3	4000	StCu	6	-	6	5
Ross-on-Wye	10162	+2	SW'W	3	OPR	53	92	7	2500	Nb	10	-	10	•
Benson...	10165	+1	SSW	6	0	58	85	7	×	St	10	-	10	•
Andover	10186	0	SSW	4	0	54	97	7	450	St	10	-	10	•
S. Farnborough ...	10180	0	SW	7	0	58	85	7	1500	StCu	7	AC	9	•
London (Kew Obsy.)...	10180	+1	SW	3	c	60	85	8	2500	StCu	6	ACu	8	•
Croydon	10181	0	SSW	4	0	59	85	7	4000	StCu	4	ACu	10	•
Clacton-on-Sea ...	10176	0	SSW	4	c-	57	85	6	-	-	0	CiCu	7	3
Shoeburyness	10182	0	SSW	6	bc-	60	85	7	-	-	0	ASt	6	•
Grain	10185	+1	SSW	5	o+	60	85	7	800	St	6	ACu	9	3
Lympne	10198	0	WSW	4	o/r	57	97	7	<150	St	10	-	10	•
Scilly (St. Mary's) ...	10200	+2	W	4	or.	53	97	7	2500	CuNb	9	-	9	5
Falmouth (Pendennis)	10215	+1	N	2	od.	53	97	7	2500	StCu	10	-	10	0
Plymouth (Cattewater)	10195	+1	WSW	3	or.	54	97	6	<150	Nb	10	-	10	0
Portland Bill	10191	0	WSW	4	m0-	54	92	4	450	St	10	-	10	3
Southampton (Ca.shot)	10197	0	SW	6	0	54	97	6	450	St	10	-	10	3
Dungeness	10200	0	SW	3	0	55	97	7	-	-	0	ASt	10	5
Jersey 7h }	10224	0	SW	4	0	59	85	8	4000	StCu	10	-	10	3
Guernsey 1h }														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 8th	Temperature. Max. Day. 9th	Rainfall.† Night 17h.-9h. 8th-9th	Rainfall.† Day 9h.-17h. 9th	Sunshine. Sunrise to 17h. 9th	Sunshine. Sunrise to Sunset. 8th
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick	bcod.	bcom	52	61	0.1	0.1	1.8	0.0
Montrose	-	-	51	61	-	-	1.3	0.6
Llandudno	obc	bcc	53	66	3	-	4.3	0.0
Colwyn Bay ...	c	bc	53	61	1	-	0.6	0.3
Rhyl...	cc	bcc	53	62	1	-	0.4	0.1
Southport	oro	ocbcc	52	63	6	0.2	2.2	0.4
Blackpool	or	co	52	60	4	1	0.4	0.1
Ilkley	modo	opogo	50	64	4	2	0.0	2.1
Harrogate	od	do	50	63	6	1	0.0	0.8
Skegness	oc	co	53	41	-	-	2.8	2.5
Aberystwyth ...	oco	o	52	59	1	-	0.0	0.0
Bath	og	o	54	67	-	-	0.1	0.1
Leamington Spa ...	o	o	52	65	-	-	0.3	0.1
Lowestoft	o	o	54	41	-	-	0.3	3.0
Felixstowe	o	ogm	54	65	-	-	0.0	5.0
Southend	o	o	52	61	-	-	0.0	5.6

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 8th	Temperature. Max. Day. 9th	Rainfall.† Night 17h.-9h. 8th-9th	Rainfall.† Day 9h.-17h. 9th	Sunshine. Sunrise to 17h. 9th	Sunshine. Sunrise to Sunset. 8th
			°F.	°F.	mm.	mm.	hr.	hr.
Ilfracombe	od	o	53	60	1	-	0.0	0.0
Bude	o	o	53	69	0.4	-	0.0	0.0
Penzance	om	om	52	59	0.2	-	*	*
Paignton	odqfod	gomomq	52	58	-	-	0.0	0.1
Torquay	c	o	53	58	1	-	0.0	0.1
Weymouth	-	-	53	53	0.2	-	0.0	2.5
Bournemouth ...	m	m	52	58	-	-	0.0	3.6
Portsmouth (S'thsea)	o	o	54	53	Trace	-	0.0	6.3
Worthing	o	o	53	58	-	-	0.0	9.2
Brighton	o	od.	52	58	0.4	-	0.0	9.0
Eastbourne... ...	o	oo	52	57	-	-	0.0	10.0
Hastings	om	om	52	57	-	-	0.0	8.6
Folkestone	o	o	[illegible]	58	0.2	-	0.0	0.0
Tunbridge Wells ...	o	o	51	58	-	-	0.0	5.0
Ramsgate	occ	oo	52	60	-	-	0.4	6.3
Margate	cbc	c	53	64	-	-	3.4	6.8
Deal	oo	oo	52	58	-	-	0.2	8.4

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* 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 i.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22481 MONDAY, 11TH JUNE 1923.

Observations at 1300 G.M.T. 10th / Observations at 1800 G.M.T. 10th

STATIONS.	13h 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.	18h 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	9909	-5	SSW	3	od.	51	75	6	4000	Nb	9	–	9	•	9836	-8	NW	3	o/r	49	92	5	800	St	8	ACu	9	2
Stornoway	991·0	+12	W	7	or.r.	48	97	6	450	St	10	–	10	•	10023	+11	NW	7	or.c	48	97	6	450	St	10	–	10	6
Wick	9889	-5	WSW	8	o	53	75	8	1500	Nb	9	–	9	•	9955	+12	WSW	8	opr	49	85	8	2500	CuNb	6	CiSt	10	6
Castlebay	1001·1	+5	WSW	6	opr.o	51	85	4	1500	St	9	-	9	•	1004·2	+6	WNW	6	c-	48	85	4	2500	St	4	-	4	6
Nairn	*	*	*	*	*	*	*							•	1001·4	+	W	8	c+	51	65	8	4000	StCu	8	-	8	•
Aberdeen	9970	0	SW'W	6	c	61	55	8	2500	Cu	6	ACu	7	0	10004	+4	W	6	cjp	55	65	8	2500	Nb	8	–	8	
Malin Head	10070	+3	W	7	bc-	54	92	8	4000	Cu	2	CiCu	6	•	10113	+1	W	7	c	53	92	8	5700	StCu	5	ACu	8	4
Renfrew	10096	+3	WSW	7	bc/r	55	75	8	800	StCu	5	ASt	6	2	10084	+5	W	5	c/r	52	85	8	1500	StCu	6	ACu	8	
Edinburgh (Inchkeith)	9998	+1	WSW	8	bc	54	85	8	-	Cu	6	-	6	•	10028	+2	WSW	8	bcjp	53	85	8	–	CuNb	6	–	6	5
Leuchars	10007	-1	WSW	7	obr.o	55	75	7	1500	StCu	9	-	9	5	10039	+4	W	7	bc+	55	65	8	4000	StCu	5	Ci	6	•
Eskdalemuir	10070	+2	SW	7	c/r	51	85	6	1500	StCu	7	-	7	1	10088	+2	W'S	7	bc-	51	65	8	1500	StCu	5	–	5	•
Tynemouth	10071	0	SW	6	bc	62	55	7	4000	CuNb	4	-	4	•	10094	+4	WSW	4	c	59	65	6	4000	Cu	8	–	8	2
Blacksod Point	1011·8	+5	W	6	c	56	85	6	*	CuNb	8	-	8	•	1016·0	+4	WNW	6	o	55	85	6	*	CuNb	9	-	9	4
Donaghadee	1010·7	+4	WSW	6	bc	55	85	8	1500	St	6	-	6	•	1013·2	+3	WSW	4	bc	58	75	8	2500	Cu	3	ACu	6	4
Birr Castle	1015·5	*	SW	5	o+	54	45	8	4000	StCu	9	-	9	•	1018·6	*	W	5	c-	56	45	8	4000	StCu	4	-	4	•
Holyhead	10148	+3	SW'W	5	bc-	59	75	8	4000	StCu	4	-	4	0	10168	+2	W'N	6	cjp	55	85	9	2500	Nb	7	–	7	5
Liverpool (Bidston)	10138	+1	SW	6	o+	58	65	8	1500	Nb	10	-	10	•	10155	+2	WSW	6	bc-	58	65	7	2500	StCu	6	–	6	5
Chester (Shotwick)	10147	+2	SW'W	6	c	62	55	8	2500	StCu	8	-	8	0	10167	+2	SW	6	bc	58	65	8	2500	StCu	6	–	6	•
Spurn Head	10126	0	WSW	6	c	63	55	7	5700	Cu	7	-	7	•	10134	+1	W'S	7	bc-	60	65	7	5700	Cu	5	–	5	4
Birmingham (Edgbaston)	10169	+2	WSW	6	bc	63	65	8	5700	Cu	6	-	6	1	1018·3	+3	W	5	c-	59	65	8	5700	Cu	8	–	8	•
Nottingham	1015·2	+1	W	6	bc	63	55	8	4000	Cu	4	-	4	•	?	+1	W	6	b-	61	55	8	2500	Cu	2	–	2	•
Cranwell	1015·5	+1	WSW	5	c	64	65	8	4000	Cu	7	-	7	0	10170	+2	SW'W	5	bc-	61	65	8	4000	Cu	5	–	5	•
Gorleston	10166	0	SW	4	o-	63	75	7	4000	StCu	10	-	10	•	10165	0	W'S	4	b-	65	55	7	5700	Cu	3	–	3	1
Valencia (Cahirciveen)	10206	+5	WSW	6	c	56	85	7	1500	St	7	-	7	0	10233	+3	W'S	4	bc	55	85	7	1500	StCu	6	–	6	3
Roches Point	1019·6	+5	W	4	c-	58	75	8	4000	StCu	8	-	8	•	1021·8	+4	W	4	c-	59	75	8	4000	StCu	6	Ci	7	6
Pembroke (St. Ann's H.)	10199	+3	SW	6	b	54	85	8	4000	StCu	2	-	2	•	10216	+2	WSW	6	bc+	53	85	7	4000	Cu	5	–	5	5
Ross-on-Wye	10186	+3	W	6	bc	60	55	8	4000	Cu	5	-	5	0	10199	+2	W	5	c+	57	65	8	4000	Cu	7	–	7	•
Benson	10200	+3	WSW	4	b+	65	65	8	-	Cu	2	-	2	0	10214	+2	WSW	4	bv	60	65	9	–	Cu	1	–	1	•
Andover	10199	+2	WSW	5	bc/r	65	65	8	2500	StCu	6	-	6	0	10215	+2	W	5	bc	60	55	8	4000	StCu	6	–	6	•
S. Farnborough	10199	+2	WSW	6	c-	67	55	8	2500	Cu	7	-	7	0	10205	+2	WSW	5	b-	64	55	8	4000	Cu	3	–	3	•
London (Kew Obsy.)	10197	+1	WSW	4	bc	63	65	8	4000	Cu	3	CiCu	5	0	10204	+2	W	3	b	64	55	8	4000	Cu	2	Ci	3	•
Croydon	10193	+1	WSW	4	c-	62	75	8	1500	Cu	7	CiCu	8	0	10207	+2	W	4	bc	63	55	9	4000	Cu	5	–	5	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10186	0	WSW	6	bc	66	55	7	2500	Cu	2	Ci	4	4
Shoeburyness	10194	+1	SW	5	o	61	75	7	2500	StCu	8	ACu	10	+	10193	0	SW	3	bc-	66	65	7	4000	Cu	4	CiSt	6	•
Grain	10199	+2	WSW	5	o	59	85	7	800	St	10	-	10	0	10195	+1	W'S	4	bc-	65	55	8	4000	Cu	4	Ci	5	3
Lympne	10206	+1	W'S	5	o	55	85	7	450	St	10	-	10	0	10207	+1	WSW	5	b	59	75	7	–	–	0	Ci	3	•
Scilly (St. Mary's)	10238	+2	W	5	b-	58	85	7	4000	Cu	2	-	2	•	10240	+1	W'N	5	b	56	75	7	4000	Cu	2	–	2	5
Falmouth (Pendennis)	10239	+2	W	5	c-	58	65	7	4000	Cu	7	-	7	•	10255	+2	W	5	bc	57	75	7	4000	Cu	6	–	6	0
Plymouth (Cattewater)	1022·7	+3	W	4	bc-	58	75	8	4000	Cu	5	-	5	0	10247	+6	WNW	4	bc	57	85	8	4000	StCu	6	–	6	0
Portland Bill	10210	+4	SW	5	b-	55	85	7	-	-	0	ACu	3	•	10223	0	SW	5	b	54	92	7	–	–	0	–	0	4
Southampton (Calshot)	1021·1	+2	SW'S	5	c-	60	75	8	2500	Cu	6	ASt	7	0	10220	+2	SW	6	b-	58	75	8	2500	Cu	3	–	3	3
Dungeness	10210	+1	WSW	6	o	55	92	7	-	-	0	ASt	10	•	10212	0	WSW	6	b	56	85	7	–	–	0	Ci	3	6
Jersey	10253	0	SW	4	o	59	85	8	4000	StCu	10	-	10	•	1026·2	+1	WNW	4	bc	58	75	8	–	–	0	CiSt	4	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. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
	24 Hours ended 0900 G.M.T. 11th										
Kew (24 hours ended 0700)	o/p, bbz	bcbby	byb	*	*	44	-	-	~~12.5~~ 7.2	*	*
Croydon (24 hours ended 0700)	ogdm	cpcy	bw	*	*	45	-	-	6.9	*	*
Greenwich (Royal Obsy.)	o	bc b	bc	71	48	41	-	*	7.1	51	59
City (Bunhill Row)	*	*	*	*	*	*	*	*	6.8	*	*
Westminster (St. James' Pk.)	*	*	*	69	50	45	-	-	7.0	52	58
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	6.9	*	*
Camden Square	o	cbcb	*	70	48	45	-	-	*	*	53
Kensington Palace	o.b	bc	*	69	49	43	-	-	*	51 (18h)	58
Hampstead Observatory	*	*	*	67	47	40	-	-	6.6	*	59

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 1800 G.M.T. 10th

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

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

POLE STAR RECORD at Greenwich Obsy.

Exposure from 10th 21 h 45 m. to 11th 2 h 15 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	4 30	4 30	100
δ Ursae Minoris	4 30	4 26	99

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	–	145
18h.	C	5	–	150
01h.	C	5	-	165
07h.	C	5	-	130

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

11th & 12th June, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.32 / 3.32	11.52 / 11.52	8.13 / 8.13
Greenwich	3.45 / 3.45	11.59 / 11.59	8.13 / 8.14
Wick	3.8 / 3.8	12.11 / 12.11	9.14 / 9.15
Valencia	4.23 / 4.23	12.40 / 12.40	8.58 / 8.58

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.
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.
$r_o r_o$ = 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.

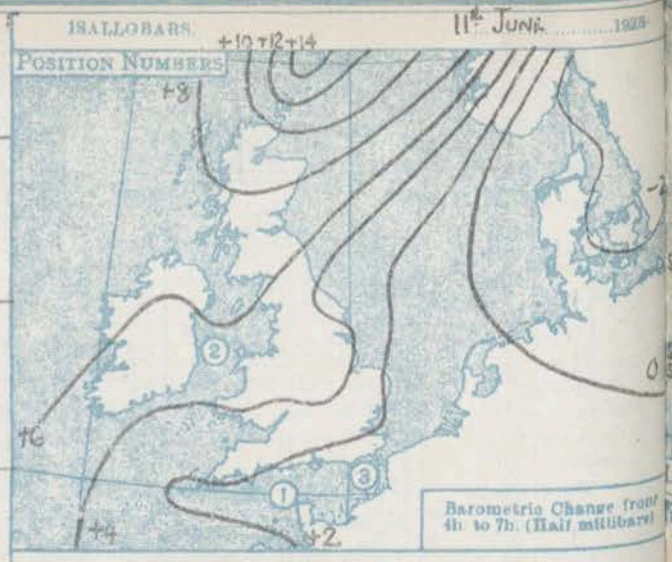
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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. 10h	13h.-18h. 10h	18h. 10 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	omd	o	omd	omr	55	45	•	6	3	11.00	<2100	1.4
Stornoway	r-d	r-d	p	c	50	43	•	6	2	<0800	-	0.0
Wick	o	oprs	ottrq	orrep	56	45	•	Trace	4	16.30	<2100	•
Castlebay	or	mbc	cbc	cobo	52	46	•	0.4	0.2	-	-	3.0
Nairn	bcq	bcq	cq	cbcq	59	44	•	-	-	-	-	9.3
Aberdeen	bbcqy	cq jp	bcjpc	cqpr	61	45	41	-	0.4	-	0630	4.1
Malin Head	cowbc	c	cobs	bcpr	53	46	•	Trace	0.4	11.00	<2100	9.6
Renfrew	oRRq	opq	cpq	obcq	56	43	33	4	Trace	<0800	-	5.1
Edinburgh (Inchkeith)	c	p	b-bc	c	55	43	42	Trace	-	1430	-	11.5
Leuchars	coqbq	bcbbcq	cq	bcqoc	59	44	36	0.1	-	<0800	-	10.5
Eskdalemuir	oPmoc	oPcbc	ocpo	ocbc	53	40	38	5	0.6	<0800	2400	5.0
Tynemouth	bbcq	mq	b-bcmq	bbcq	62	46	42	-	-	-	-	•
Blacksod Point	c	p		rd	59	44	•	2	1	-	-	•
Donaghadee	bcqp	cqp	cqp	bc	61	48	•	0.2	1	<0800	<2100	•
Birr Castle	coq	cprq	coq	crs	59	44	44	0.2	0.1	1530	0630	8.6
Holyhead	bcq prbcq	bcv	cqopq	bcqcq	60	50	49	0.2	Trace	13.30	2200	9.9
Liverpool (Bidston)	bcq	obobc		bcoqp	63	48	45	Trace	0.2	-	0320	5.9
Chester (Shotwick)	ccq	cbcq	cpreq	cbprq	63	51	46	-	Trace	-	<2100	6.9
Spurn Head	c	cooc	bcopc	bbc	64	51	•	-	0.3	-	<2100	6.4
Birmingham (Edgbaston)	obc	cv	bc	c	64	49	46	1	-	<0800	-	6.4
Nottingham	orc	b-bc	bc	pc	65	49	46	0.6	1	<0800	0130	8.4
Cranwell	r-d	cbc	bcc	bbc	66	49	46	0.1	Trace	<0800	0300	9.5
Gorleston	coprq	ocbcq	bcb	oo	68	50	44	-	-	-	-	6.3
Valencia (Cahirciveen)	obcc	cbc	o	oo	54	52	49	-	-	-	-	9.9
Roches Point	opoc	coc	o	opo	59	50	*	0.1	0.3	-	-	10.5
Pembroke (St. Ann's H.)	b-bc	b-bc	b-bc	bbc	54	50	•	-	-	-	-	
Ross-on-Wye	cbcq	bcqy	cbcc	bccbc	63	50	46	0.3	-	<0800	-	8.5
Benson	obcbl	bb	bbcc	bc	65	46	38	Trace	-	<0800	-	•
Andover	orrmc	bcy	bcb	bbc	67	46	43	0.2	-	<0800	-	8.4
S. Farnborough	rrocq	bcyyb	b	b	71	46	42	Trace	-	<0800	-	4.9
London (Kew Obsy.)	opobc	bcbby	bybb	bbcw	67	49	44	-	-	-	-	7.2
Croydon	oqdm	cbcy	cyb	bbcb	67	49	45	Trace	-	11.00	-	6.9
Clacton-on-Sea	copd	ocbcy	bcy	bcp	68	49	46	Trace	-	11.00	-	4.0
Shoeburyness	c	c	cbcb	b	69	49	45	-	-	-	-	6.0
Grain	oopr	obcbc	bb	bb	68	48	41	Trace	-	11.00	-	8.3
Lympne	o	ocbc	bw	bw	61	45	41	-	Trace	-	-	5.4
Scilly (St. Mary's)	bcq	p-bc	bcq	bcq	60	50	•	-	-	-	-	11.2
Falmouth (Pendennis)	bcm	bcm	bcm	bcm	60	51	•	-	-	-	-	10.4
Plymouth (Cattewater)	cbc	bcb	bc	bc	59	52	50	0.2	-	<0800	-	8.9
Portland Bill	p	b-bc	b-bc	c	56	51	•	-	-	-	-	•
Southampton (Calshot)	odmoc	bcbq	b-bc	bbcc	61	49	44	Trace	-	<0800	-	7.4
Dungeness	oo	c	b-bc	bbc	58	50	•	-	-	-	-	•
Jersey	oco	ob	b	bbco	60	52	•	-	-	-	-	6.8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	10th 1000	SCOTIA	SW	5	bc	56	50	8
3	11th 0300	BRIGHTON	WN	5	b.	55	54	8

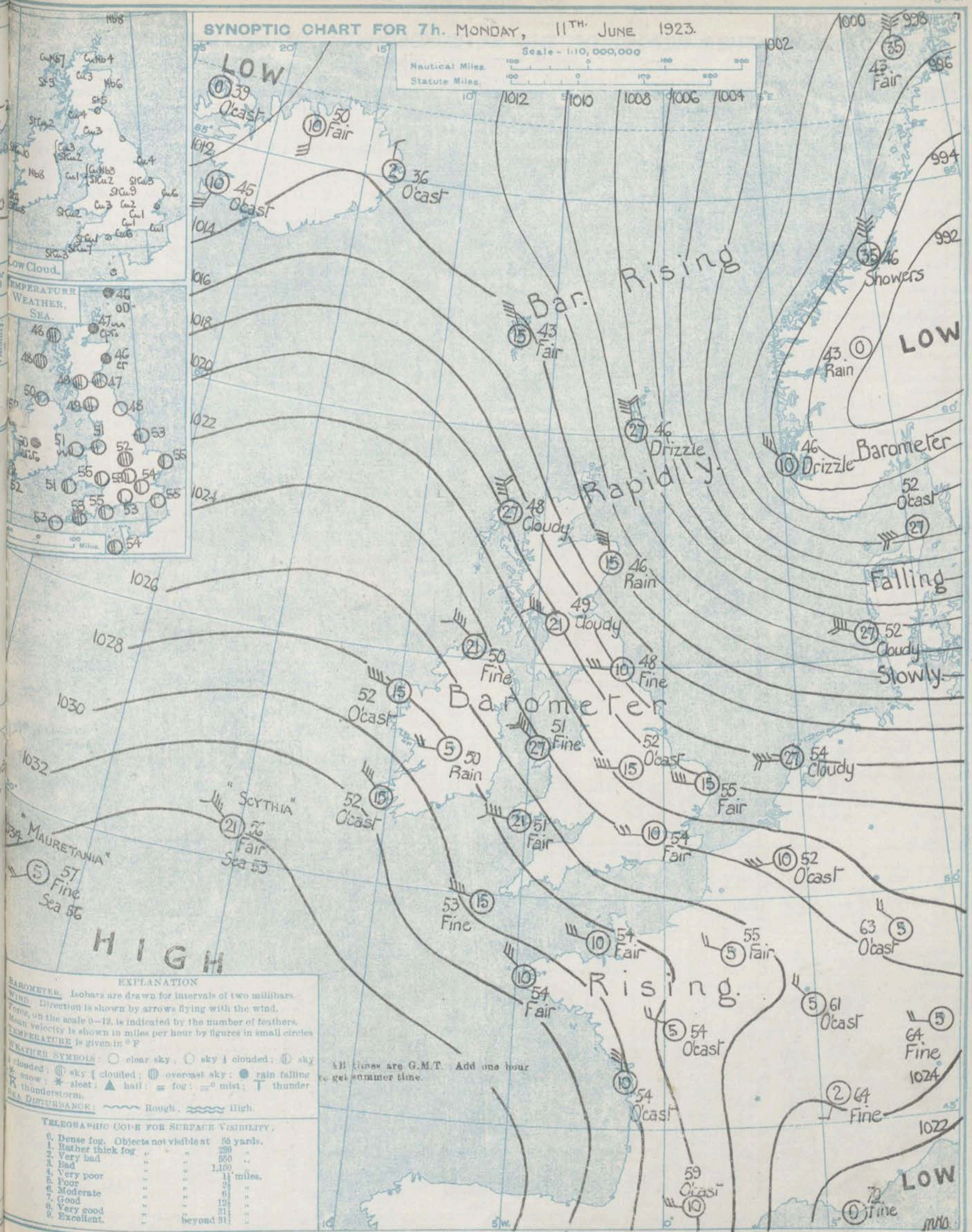
GENERAL INFERENCE.

The wedge of high pressure to the west of Ireland continues to spread east and the weather will be mainly fair for a time with moderating winds from between W and NW. The day temperature is likely to rise somewhat above the normal in the South-east of England.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Monday, 11th June, 1923	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Fresh N.W. wind, moderating; fine; visibility good; day temperature slightly above the normal.	Becoming unsettled again in the West and North.
5. S.W. England 6. South Wales	Moderate N.W. wind, backing to W. later; fine; visibility good; temperature rising somewhat.	
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	Fresh to strong N.W. wind, moderating; mainly fine but occasional local showers at first; visibility good; moderate temperature.	
15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Fresh N.W. wind, backing to W. and moderating temporarily; mainly fine and bright but occasional showers; visibility good; moderate temperature.	
18. N.E. Ireland	As 7-14	
19. S.E. Ireland 20. S.W. Ireland	Moderate N.W. wind, backing towards S.W. later; mainly fine and bright but occasional showers; visibility good; moderate temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.15 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.....Monday, 11th June.....1923. No. 162

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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	996.2	+5	NW	6	odd	46	92	5	800	St	10	-	10	•
Stornoway	1010.7	+8	NW	6	PR	•	•	5	•	•	•	•	•	•
Wick	1004.3	+6	WNW	5	011	46	97	8	2500	Nb	10	•	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1017.3	+4	WNW	6	b/r	49	92	8	7200	Cu Nb	3	-	3	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1010.7	+4	WSW	6	bc	47	92	8	-	-	0	Ci	5	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1013.1	+1	W	2	b	51	75	7	4000	Cu	2	-	2	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1020.5	+1	W'N	6	c	52	85	8	2500	St Cu	7	-	7	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1016.6	0	SW	4	0	53	85	7	1500	St	6	a. St	9	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1018.4	+1	SW'W	4	c+	49	92	8	2500	St Cu	7	-	7	•
Gorleston	1019.2	+1	WSW	3	b-	52	85	7	-	-	0	Ci Cu	2	•
Valencia (Cahirciveen)	1027.2	+3	NW	3	0	51	92	8	-	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1027.2	+3	W'N	5	b	51	85	8	-	-	0	a. St	1	•
Rose-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...		•	•	•	•	52	•	•	•	•	•	•	•	•
Croydon	1022.6	+1	WSW	3	b	50	85	7	-	-	0	-	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1023.0	+2	W'N	4	b	47	92	7	-	-	0	a. St	1	•
Scilly (St. Mary's) ...	1027.7	+1	W'N	5	b	51	92	8	~~4000~~	~~Cu~~	~~8~~	Ci Cu	2	•
Falmouth (Pendennis)	1027.2	+2	W	5	bc	50	85	7	4000	Cu	6	-	6	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1024.4	+4	W	3	0+	53	92	7	2500	St	10	-	10	•
Southampton (Calshot)	1024.3	+1	SW'W	3	b	50	85	8	-	-	0	-	0	•
Dungeness	1023.0	+2	WNW	4	b+	50	92	8	-	-	0	a. Cu	2	•
Jersey 7h }														•
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. Heights Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1008.2	+4	NNW	4	oD-	46	92	5	4000	Nb	8	A St	10	5
Stornoway	1019.4	+8	NNW	6	c	48	75	7	4000	Cu Nb	7	•	7	5
Wick	1012.9	+10	NW	7	cpr	47	75	8	2500	Cu Nb	4	Ci	7	6
Castlebay	1022.6	+7	NW	5	0	48	75	8	1500	St	9	-	9	4
Nairn	1017.8	•	NW	5	bc	48	65	8	4000	Cu	3	Ci Cu	5	•
Aberdeen	1014.9	+9	NNW	4	cr	46	92	8	1500	Nb	6	Ci Cu	7	1
Malin Head	1024.3	+6	NW	5	b/r	50	85	9	5700	St Cu	2	-	2	4
Renfrew	1020.3	+6	WNW	5	c	49	65	8	2500	Cu	4	Ci	7	•
Edinburgh (Inchkeith)	1016.9	+7	W	6	c+	47	75	8	-	-	0	A Cu	8	4
Leuchars	1016.9	+7	WNW	4	c	51	55	8	2500	St	5	A Cu	7	•
Eskdalemuir	1010.6	+6	WNW	6	bc	46	75	8	2500	Cu	3	Ci	5	•
Tynemouth	1014.4	+3	W	3	b	48	65	7	-	-	0	-	0	2
Blacksod Point ...	1028.0	+7	WNW	4	c	52	85	7	•	St Cu	10	-	10	4
Donaghadee	1025.5	+6	W	3	bc-	50	85	8	1500	Cu	5	-	5	3
Birr Castle	1023.1	•	W	2	cr	50	97	5	2500	Nb	8	-	8	•
Holyhead	1024.4	+5	NW	6	0	51	85	8	4000	Cu	1	Ci	3	6
Liverpool (Bidston) ...	1022.7	+4	W	7	bc/p	51	75	7	2500	Cu N	5	-	5	5
Chester (Shotwick) ...	1022.7	+5	NW'W	7	cpr	52	75	8	2500	Cu	8	-	8	•
Spurn Head	1019.0	+4	WNW	6	bc	53	75	8	5700	Cu	4	-	4	4
Birmingham (Edgbaston)	1020.6	+4	WNW	4	cpr	52	75	7	2500	Nb	8	-	8	•
Nottingham	1021.8	+4	W	4	0+	52	75	7	1500	St Cu	9	-	9	•
Cranwell	1020.8	+4	W'S	5	bc	52	85	7	2500	St Cu	3	A Cu	5	•
Gorleston	1020.3	+1	W'N	4	bc+	55	65	6	5700	Cu	6	-	6	1
Valencia (Cahirciveen)	1021.7	+5	NW'N	4	0	52	75	8	2500	St Cu	9	-	9	3
Roches Point	1029.5	+4	NNW	4	0	51	92	8	4000	St Cu	10	—	10	0
Pembroke (St. Ann's H.)	1027.6	+4	WNW	5	bc+	51	85	8	4000	St Cu	2	Ci Cu	6	3
Rose-on-Wye	1024.5	+3	WNW	4	bc	53	65	8	4000	Cu	3	Ci	5	•
Benson	1024.3	+5	W	3	bc	55	75	8	•	Cu	2	Ci	3	•
Andover	1025.9	+3	W'N	4	bc	54	75	8	4000	St Cu	3	Ci	6	•
S. Farnborough ...	1025.0	+3	W	4	b+	53	85	7	4000	Cu	1	Ci	2	•
London (Kew Obsy.) ...	1025.0	+5	W'S	3	bc+	54	75	8	2500	Cu	1	Ci	4	•
Croydon	1024.2	+5	W	3	b	53	75	8	2500	Cu	1	Ci	3	•
Clacton-on-Sea ...	1022.2	+2	W	4	b	53	85	7	-	-	0	A Cu	2	1
Shoeburyness	1023.6	+2	WNW	4	b-	56	65	8	-	-	0	Ci	2	•
Grain	1020.9	+5	W'N	3	b	53	75	7	-	-	0	Ci	2	3
Lympne	1024.3	+2	W	3	bc+	52	85	7	1500	St	4	Ci St	5	•
Scilly (St. Mary's) ...	1029.2	+2	WNW	4	bc	53	92	8	4000	St Cu	3	A Cu	6	5
Falmouth (Pendennis)	1025.1	+4	NNW	4	c+	53	85	8	4000	St Cu	7	-	7	0
Plymouth (Cattewater)	1028.0	+2	WNW	4	c	54	75	7	2500	St Cu	1	A Cu	8	0
Portland Bill	1025.3	+2	W	4	bc-	50	85	7	-	-	0	Ci Cu	4	4
Southampton (Calshot)	1026.4	+2	W'S	5	c+	55	75	8	2500	Cu	6	Ci	7	0
Dungeness	1024.2	+3	W	5	b	55	75	8	4000	Cu	1	Ci Cu	5	3
Jersey 7h }	1028.5	+1	WNW	3	bc	54	75	8	-	-	0	Ci Cu	6	3
Guernsey 1h }														

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 9-10	Temperature. Max. Day. 10	Rainfall.† Night 17h.-9h. 9-10	Rainfall.† Day 9h.-17h. 10	Sunshine. Sunrise to 17h. 10	Sunshine. Sunrise to Sunset. 9
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed ...	?	?	53	59	0.4	–	8.6	1.8
Montrose	•	•	49	60	1	–	8.3	1.6
Llandudno	bbc	bccb	54	61	0.4	–	11.1	5.2
Colwyn Bay ...	bc	bc	54	64	–	–	9.5	0.6
Rhyl	bc	bc	54	66	–	–	8.9	0.9
Southport	bbcbc	bcbbc	53	61	0.2	–	7.2	0.6
Blackpool	cbc	c	53	61	0.4	–	8.0	0.7
Ilkley	cbc	bcb	54	61	–	–	8.1	0.0
Harrogate	b	b	55	60	–	–	7.8	0.0
Skegness	oc	cb	55	70	0.3	–	5.9	2.9
Aberystwyth ...	rcc	b	53	57	2	–	9.0	0.0
Bath	obcb	bbc	55	63	1	–	6.4	0.1
Leamington Spa ...	o	bc	55	65	1	–	5.0	0.3
Lowestoft	ococ	cbcc	57	68	–	–	5.3	0.8
Felixstowe	ob	ob	56	68	–	–	4.8	0.0
Southend	oco	bc	52	68	–	–	5.0	0.0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 9-10	Temperature. Max. Day. 10	Rainfall.† Night 17h.-9h. 9-10	Rainfall.† Day 9h.-17h. 10	Sunshine. Sunrise to 17h. 10	Sunshine. Sunrise to Sunset. 9
			°F.	°F.	mm.	mm.	hr.	hr.
Ilfracombe	oc	cbc	54	57	2	–	8.5	0.0
Bude	roc	bc	53	59	4	–	7.5	0.0
Penzance	bc	bc	53	61	1	–	?	?
Paignton	oq	bcq	54	66	–	–	7.1	0.0
Torquay	b	b	54	66	–	–	7.2	0.0
Weymouth	obc	bc	53	63	0.2	–	6.2	0.0
Bournemouth ...	mm	bbb	53	65	–	–	5.5	0.0
Portsmouth (S'thsea)	ocdo	b	54	64	–	–	5.1	0.0
Worthing	co	b	55	60	–	–	4.0	0.0
Brighton	odo	cbcb	55	60	–	–	4.2	0.0
Eastbourne	o	obc	55	59	–	–	3.6	0.0
Hastings	omo	ocbcb	55	59	–	–	2.7	0.0
Folkestone	oc	b	53	60	–	–	2.1	0.0
Tunbridge Wells ...	o	cbcb	55	65	–	–	3.6	0.0
Ramsgate	obcb	bcb	55	64	–	–	3.7	0.4
Margate	c	b	56	66	–	–	3.8	3.0
Deal	oo	cbcb	54	64	–	–	2.5	0.2

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* 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. 22482 Tuesday, 12th June 1923.

Observations at 1300 G.M.T. 11th / Observations at 1800 G.M.T. 11th

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	Cloud Low Height Feet	Low Form	Low 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	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1016.3	+6	NW	6	cpr	47	85	6	4000	Cu	8	-	8	•	1020.1	+3	NW	4	C+	47	65	8	5700	St.Cu	3	A.Cu	7	3
Stornoway	1024.0	+5	NW	4	o/r	53	85	7	4000	Nb	9	-	9	•	1020.6	+2	NNW	4	c	52	85	7	4000	Cu	8	-	8	3
Wick	1020.0	+4	NW	6	oor	49	85	8	2500	Cu.Nb	10	-	10	•	1022.8	+3	NW	6	c	50	85	8	2500	Cu.Nb	5	Ci	7	6
Castlebay	1027.4	+2	WNW	4	b	52	75	8	4000	Cu	2	-	2	•	1028.9	+1	WNW	4	c	51	85	8	4000	St.Cu	7	-	7	3
Nairn	•	•	•	•	•	•	•	•	*	*	*	*	*	•	1025.4	*	W	4	C+	52	65	8	4000	Cu.Nb	7	-	7	•
Aberdeen	1021.1	+4	NW'N	6	bc	56	55	8	2500	Cu	5	Ci	6	0	1024.8	+4	NW	5	Cpr	53	75	8	2500	Cu.Nb	8	-	8	3
Malin Head	1028.8	+3	WNW	4	bc⊕	54	85	9	4000	Cu	2	Ci.St	5	•	1030.2	+1	WNW	5	c/r	53	92	8	4000	Cu	5	Ci.Cu	8	4
Renfrew	1025.9	+4	NW	4	bc	57	65	8	4000	Cu	5	A.St	6	0	1028.6	+4	WNW	4	bc-	54	65	8	4000	Cu	6	-	6	•
Edinburgh (Inchkeith)	1023.8	+5	NW	5	bc-	55	65	9	*	Cu	5	-	5	•	1025.8	+3	W	5	bc	55	75	8	*	Cu	5	-	5	4
Leuchars	1022.7	+5	WNW	6	bc	59	45	8	4000	St.Cu	5	-	5	0	1025.5	+3	WNW	5	bc	57	55	8	4000	St.Cu	5	-	5	•
Eskdalemuir	1024.4	+4	NW'N	6	bc	57	55	8	4000	Cu	6	-	6	0	1027.8	+3	W	4	bc	52	55	8	4000	St.Cu	5	-	5	•
Tynemouth	1022.9	+4	W	4	b	57	45	8	4000	Cu	3	-	3	•	1026.1	+2	-	0	bc	53	75	7	2500	Cu.Nb	2	A.Cu	4	1
Blacksod Point	1030.4	+5	WNW	4	bc-	56	75	8	*	Cu.Nb	6	-	6	•	1033.7	+2	NW	3	o	55	85	8	*	-	-	A.St	10	4
Donaghadee	1028.5	+5	NNW	3	bc-	55	75	8	1500	Cu.Nb	4	-	4	•	1030.2	+2	NNW	2	bc+	52	85	8	1500	Cu.Nb	3	A.Cu	5	3
Birr Castle	1031.3	*	W	1	o/r	58	75	8	2500	Cu	9	-	9	•	1032.8	*	NW	1	c-	58	65	8	4000	Cu	5	A.Cu	8	•
Holyhead	1029.6	+4	WNW	4	b	56	75	9	4000	Cu	1	-	1	0	1031.2	+1	WNW	2	bc+	53	75	9	5700	Cu	1	A.Cu	6	1
Liverpool (Bidston)	1027.9	+3	W	5	b-	54	55	8	2500	Cu	2	-	2	•	1030.3	+2	WNW	3	b	54	65	7	2500	Cu	2	-	2	4
Chester (Shotwick)	1028.3	+4	WNW	6	bc	56	65	9	2500	Cu	6	-	6	0	1030.3	+2	WNW	4	b-	56	65	8	2500	Cu	1	A.Cu	2	•
Spurn Head	1024.4	+5	NNE	3	o+	55	65	7	4000	Cu	10	-	10	•	1027.6	+4	NNE	2	b	56	65	8	-	-	0	A.Cu	2	2
Birmingham (Edgbaston)	1026.5	+3	NW	7	c	58	55	7	5700	Cu	1	Ci	8	0	1029.5	+3	NNW	6	b	56	65	8	-	-	0	Ci	2	•
Nottingham	1025.7	+3	WNW	6	bc	58	55	8	2500	Cu	4	-	4	•	1027.9	+2	NW	4	b	58	65	7	-	-	0	-	0	•
Cranwell	1025.1	+4	WNW	5	bc	57	65	7	2500	Cu	5	-	5	0	1027.4	+3	NW'W	4	bc	58	65	8	2500	Cu	5	-	5	•
Gorleston	1023.3	+3	NNW	4	bc-	58	75	6	5700	Cu	4	-	4	•	1026.5	+3	N'E	4	b-	54	65	7	5700	Cu	3	-	3	1
Valencia (Cahirciveen)	1035.2	+4	NW	5	bc-	55	65	8	2500	St.Cu	4	-	4	0	1036.4	+1	NW	3	C+	54	75	8	2500	St.Cu	5	A.Cu	8	3
Roches Point	1032.4	+2	WNW	4	c-	59	75	8	4000	St.Cu	7	-	7	•	1033.6	+1	WNW	4	bc-	58	75	8	4000	St.Cu	1	Ci.Cu	4	0
Pembroke (St. Ann's H.)	1030.9	+3	W'N	3	bc	56	85	8	4000	Cu	4	-	4	•	1032.3	+1	WNW	3	b	55	85	8	4000	Cu	3	-	3	3
Ross-on-Wye	1027.1	+3	NW	4	bc-	61	55	9	5700	St.Cu	3	Ci	5	0	1029.6	+2	N	2	bc⊕	60	55	9	4000	St.Cu	3	Ci	6	•
Benson	1026.7	+2	NW	4	o/r	61	55	9	*	Cu	6	Ci	8	0	1029.4	+2	NNW	4	b,	60	55	9	*	Cu	1	-	1	•
Andover	1027.2	+2	NW	5	o⊕	60	55	8	5700	Cu	7	Ci.Cu	10	0	1028.8	+2	NNW	4	C⊕	63	55	9	4000	Cu	2	Ci.Cu	7	•
S. Farnborough	1026.4	+2	WNW	4	o+	62	65	8	2500	St.Cu	7	A.Cu	9	0	1028.2	+3	NNW	3	bc+	61	55	8	4000	Cu	1	Ci	5	•
London (Kew Obsy.)	1026.6	+2	NW	3	o	61	55	8	4000	St.Cu	8	Ci.St	9	0	1029.0	+4	NNW	3	bc	61	55	8	5700	Cu	2	Ci	4	•
Croydon	1026.1	+2	WNW	3	o	60	55	8	4000	St.Cu	10	-	10	0	1028.3	+3	NNW	4	bc	60	45	8	4000	Cu	3	Ci	4	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1027.1	+3	NW	3	bc	61	45	7	2500	Cu	5	-	5	0
Shoeburyness	1025.6	+2	NW	6	bc/r	61	55	8	4000	Cu	4	Ci.St	5	•	1027.6	+2	NW	4	bc	60	55	8	5700	Cu	3	A.St	4	•
Grain	1025.8	+2	WNW	4	o	59	65	7	2500	St.Cu	7	Ci	9	0	1028.1	+4	NNW	4	b	58	55	8	4000	Cu	2	Ci	3	0
Lympne	1026.5	+2	N'W	4	o	55	75	8	4000	St.Cu	10	-	10	0	1027.3	+1	N	4	bc-	58	65	8	4000	Cu	4	Ci.St	6	•
Scilly (St. Mary's)	1032.2	+2	NWN	4	bc	59	75	8	4000	Cu	1	A.Cu	4	•	1033.5	+1	NW'N	4	b	56	75	8	-	-	0	-	0	4
Falmouth (Pendennis)	1031.2	+3	NNW	4	bc	57	75	8	4000	Cu.Nb	6	-	6	•	1032.8	+1	NNW	3	b	56	75	8	5700	Cu	3	-	3	0
Plymouth (Cattewater)	1030.7	+3	NW	4	c	57	75	8	5700	St.Cu	7	-	7	0	1031.9	+1	NW	4	b	58	65	8	4000	St.Cu	2	Ci	3	0
Portland Bill	1028.8	+2	W	4	bc	58	75	7	1500	St.Cu	4	-	4	•	1029.0	+1	W	3	b	58	75	8	-	-	0	Ci.Cu	2	3
Southampton (Calshot)	1027.1	+1	NW	5	o+	61	55	8	4000	St.Cu	8	Ci.St	10	0	1028.9	+2	NNW	4	C+	63	55	8	4000	Cu	2	Ci.St	7	0
Dungeness	1025.9	+1	SW	5	c+	58	75	8	4000	Cu.Nb	7	-	7	•	1027.3	+2	NNE	3	c	61	55	8	4000	Cu	3	Ci	7	3
Jersey	1030.2	0	W	3	C+	58	75	8	4000	St.Cu	8	-	8	•	1030.4	0	W	3	b	59	75	8	-	-	0	-	0	3

London Observations. (24 Hours ended 0700 G.M.T. 12th)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day
Kew (24 hours ended 0700)	coy	bcy	bcybb	•	•	32	-	-	11.1	•	•
Croydon (24 hours ended 0700)	bcy	bcy	bcyzn	•	•	34	-	-	11.5	•	•
Greenwich (Royal Obsy.)	oc	cb	bz	66	45	30	-	-	9.7	51	64
City (Bunhill Row)	•	•	•	•	•	•	•	•	9.4	•	•
Westminster (St. James' Pk.)	•	•	•	65	45	38	-	-	10.6	49	62
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	10.4	•	•
Camden Square	bcco	c	•	65	45	40	-	-	•	•	60
Kensington Palace	bcc	cbc	•	64	44	35	-	-	•	52(18h)	62
Hampstead Observatory	•	•	•	62	43	32	-	-	7.2	•	63

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 Hs. ended 1600 G.M.T. 11th

South Kensington Max.	Time.	Min.	Time.
0·3	19h. 10m	<0·3	0-4h. 11m
0·3	11h. 11m		

Kew Observatory Max.	Time.	Min.	Time.
0·4	7h. 10m	<0·3	Rest of day

Pole Star Record at Greenwich Obsy.

Exposure from 11th 21 h. 15m. to 12th 2 h. 15m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	4 30	4.30	100
δ Ursae Minoris	4 30	4.30	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.	Siren.	Direc.
13h.	C	5	-	95°
18h.	C	6	-	180°
01h.	C	5	-	165
7h.	C	5	-	80

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 12th & 13th June, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·32 / 3·32	11·52 / 11·50	8·13 / 8·14
Greenwich	3·43 / 3·43	11·59 / 12·0	8·14 / 8·15
Wick	3·8 / 3·8	12·11 / 12·12	9·15 / 9·16
Valencia	4·23 / 4·23	12·40 / 12·40	8·58 / 8·59

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.
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.
$r_o r_o$ = 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.

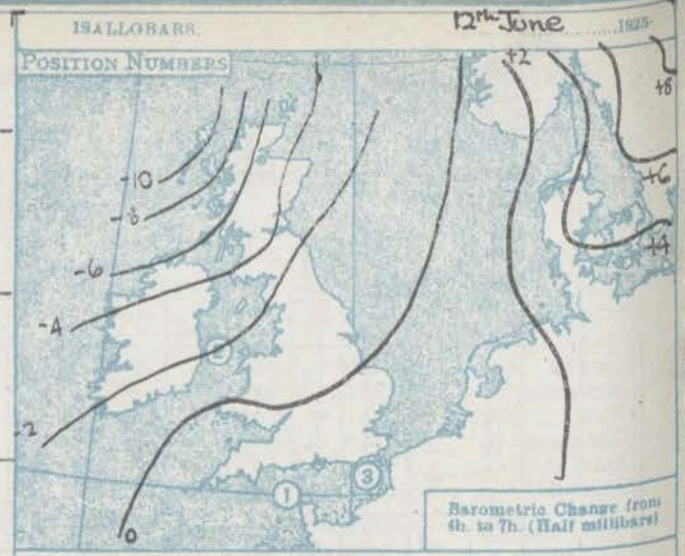
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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.	WEATHER. 13h.-18h.	WEATHER. 18h. to 1h.	WEATHER. 1h.-7h.	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. Hours.
Lerwick	cp	bcpq	c	o	50	44	•	0.5	–	L0800	–	3.4
Stornoway	p	c	c	r:d	54	47	•	0.3	6	–	–	0.4
Wick	oprq	oprcq	cp.o	op.	51	42	•	0.4	Trace	L0800	<2100	•
Castlebay	ocb	bc	co	orr	54	49	•	–	3	–	–	6.8
Nairn	bcq	bccg	cqd	dc	58	46	•	0.2	0.4	1430	–	10.0
Aberdeen	bcq	cqpr	cqrbcb	bo	54	46	34	0.6	–	L0800	–	9.5
Malin Head	bcw	cp.v	co	corr	55	49	•	0.1	2	1630	0430	9.8
Renfrew	cbcq	bcqc	oo	oorr	58	47	40	–	0.6	–	0630	12.3
Edinburgh (Inchkeith)	c	bc	bc	oo	60	44	–	–	–	–	–	13.4
Leuchars	cbbcq	bccp.rq	bcco	oo	61	45	34	Trace	–	1530	–	15.2
Eskdalemuir	bcb	bcycybc	bcc	co	60	41	38	–	–	–	–	14.5
Tynemouth	b-bcq	b.bc	bbcm	bm	56	44	40	–	–	–	–	•
Blacksod Point ...	c	oo	f:m	f:m	58	46	•	1	4	–	–	•
Donaghadee	bcc	bc	c	o	54	47	•	–	1	–	0530	•
Birr Castle	prco	co	oo	corr	61	48	42	0.1	1	L0800	–	3.3
Holyhead	cbcbv	bvbcv	bcobc	bbcc	54	50	45	–	–	–	–	13.8
Liverpool (Bidston) ...	bbc	b.bc	bco		56	46	41	–	–	–	–	11.5
Chester (Shotwick) ...	cbcq	bc	bcb	bbcco	58	42	31	–	–	–	–	13.1
Spurn Head	c	c	bccvc	c	54	47	•	–	–	–	–	12.0
Birmingham (Edgbaston)	bcy	b.bc	bc	bcm	59	44	39	–	–	–	–	10.9
Nottingham	b-bc	b.bc	b	bbc	60	43	38	–	–	–	–	11.9
Cranwell	bc	bccbc	bcb	com	60	42	38	–	–	–	–	12.8
Gorleston	cqbcq	bcq	b	bbc	63	48	36	–	–	–	–	10.6
Valencia (Cahirciveen)	ocbc	bcc	b	co	56	51	43	–	–	–	–	4.5
Roches Point	oc	obc	oco	op.o	61	48	x	–	1	–	0430	
Pembroke (St. Ann's H.)	b-bc	b.bc	bbc	bbc	54	49	•	–	–	–	–	10.1
Ross-on-Wye	cqbco	bcuy	cvbv	mcbcc	63	41	35	–	–	–	–	10.6
Benson...	bcc	b	bcb	bcw	64	35	28		–		–	•
Andover	bcco	oycy	c	c	64	34	31	–	–	–	–	11.6
S. Farnborough ...	bco	byybc	bc,bdcb.bc		67	38	33	–	–	–	–	10.3
London (Kew Obsy.) ...	coy	bcy	boybb	bbcbcwq	63	44	32	–	–	–	–	11.1
Croydon	boy	bcy	boy3w	bwc	63	43	34	–	–	–	–	11.5
Clacton-on-Sea ...	bbcy	cbcy	bcy	bcc	64	43	40	–	–	–	–	9.9
Shoeburyness	bbcopq	bc	bc	bc	64	43	35	Trace	–	1100	–	12.3
Grain	bbcop	ocyby	bybw	bwbc	63	40	33	Trace	–	1230	–	10.5
Lympne	bccp	ocbc	bcbw	bwcb	61	42	31	–	Trace	–	–	10.0
Scilly (St. Mary's) ...	bcq	bcb	bbc	bc	59	49	•	–	–	–	–	12.5
Falmouth (Pendennis)	bcwbc	bcb	bbc	bc	61	51	•	–	–	–	–	13.1
Plymouth (Cattewater)	bcc	cb	bbc	b	59	49	51	–	–	–	–	11.5
Portland Bill	b-bc	b.bc	bbc	c	60	51	•	–	–	–	–	
Southampton (Calshot)	c	beybcy	bbc	bbc	65	44	39	–	–	–	–	11.3
Dungeness	b-bc	c	c	bbc	64	42	•	–	–	–	–	
Jersey	c	cb	b	b	60	50	•	–	–	–	–	12.8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	11th 10h	Scotia	NW	4	bc	54	50	8
3	12th 2h	Arundel	N	2	b-	53	54	4

GENERAL INFERENCE.

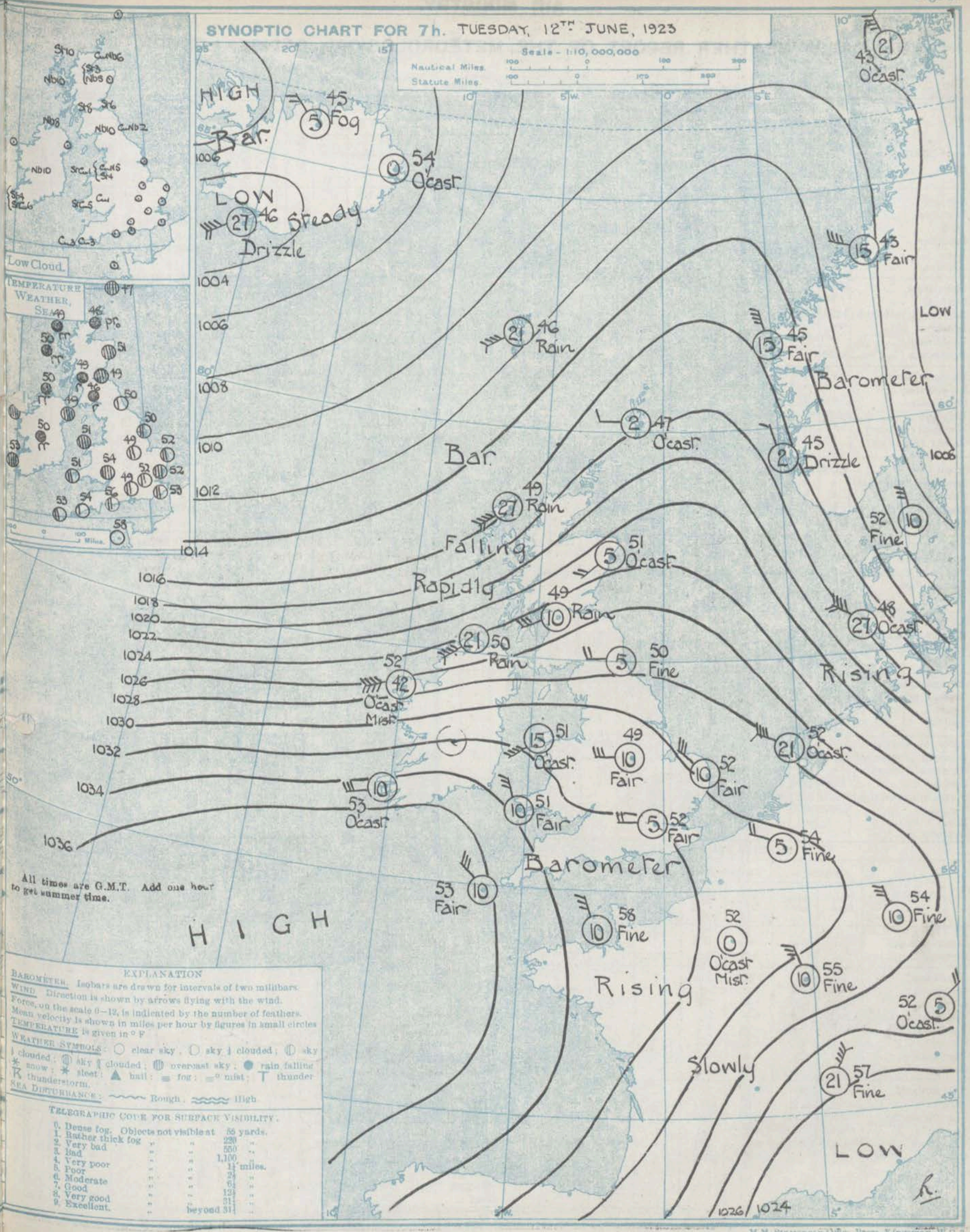
A depression developing off the Hebrides is likely to move East and cause strong W. to S. W. winds with dull to rainy weather today except in the south of England where fair weather will continue for a time.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 12th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Moderate W. to SW. wind, freshening; fair at first, a risk of some rain later; visibility moderate to good; rather warm.	Unsettled in the West and North; further outlook uncertain for the South. --- ▼ South Cone hoisted at 0910 G.M.T. to-day.
▼6. South Wales ▼7. North Wales ▼8. N.W. England 9. N. Midlands 10. N.E. England ▼11. E. Scotland ▼12. S.W. Scotland ▼13. Isle of Man ▼14. N. & N.W. Scotland ▼15. Hebrides ▼16. Orkneys and Shetlands ▼17. N.W. Ireland ▼18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Strong S.W. wind, a gale at times in exposed places; much cloud, some rain; visibility poor at times; moderate temperature.	

EWW

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION. Tuesday, 12th June 1923. No. 163

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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1021.2	0	–	0	b	45	92	7	4000	Cu	1	ASt	3	•
Stornoway	1020.2	-3	N	2	o	•	•	9	•	•	•	•	•	•
Wick	1024.1	0	WSW	1	o+	43	97	8	1500	St	2	CiSt	3	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1030.5	-1	W	5	c+	51	92	8	4000	Cu	8	–	8	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1028.4	+3	SW	4	bc+	47	92	7	–	–	0	CiSt	5	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1029.0	+1	W	2	b	45	85	6	–	–	0	ACu	3	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghdee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1032.7	+1	W'N	4	bc	51	85	8	2500	StCu	3	ACu	4	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1029.0	0	NNW	5	bc+	51	85	7	4000	StCu	4	–	4	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1030.2	+2	W'S	3	b	43	97	7	–	–	0	–	0	•
Gorleston	1027.6	0	W'S	2	b	45	85	7	–	–	0	ASt	2	•
Valencia (Cahirciveen)	1036.2	+1	NW	1	b-	51	92	9	–	–	0	ACu	3	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1033.3	+1	NNW	3	bc	52	83	8	4000	StCu	5	–	5	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...		•	•	•	•	48	•	•	•	•	•	•	•	•
Croydon	1031.7	+2	W	1	b	45	85	6	–	–	0	–	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1031.0	+2	N	3	b	44	92	8	–	–	0	–	0	•
Scilly (St. Mary's) ...	1035.3	0	NNW	3	bc	52	92	8	4000	StCu	4	–	4	•
Falmouth (Pendennis)	1034.1	+1	NNW	1	bc+	52	85	8	5/00	StCu	6	–	6	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1032.1	+4	NW	2	b-	53	75	7	–	–	0	–	0	•
Southampton (Calshot)	1032.6	+2	NW	3	b	48	85	8	–	–	0	–	0	•
Dungeness	1030.3	+1	N	2	b	43	92	8	–	–	0	–	0	•
Jersey 7h }														•
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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1014.7	-4	W	1	o	47	85	7	–	–	0	ASt	3	0
Stornoway	1015.2	-11	SW	6	o rr	43	97	6	450	St	10	–	10	5
Wick	1018.3	-5	SSW	1	o br	48	85	8	4000	CuNb	6	ASt	10	0
Castlebay	1019.4	-7	WSW	5	o rr	50	97	6	800	Nb	10	–	10	6
Nairn	1020.3	•	W	1	c d d	48	85	8	1500	Nb	8	–	8	•
Aberdeen	1022.8	-3	SW	2	o	51	75	7	–	–	0	ASt	10	0
Malin Head	1023.6	-6	SW	5	o rr	50	97	7	5/00	Nb	8	ASt	10	3
Renfrew	1025.2	-5	SW	3	o r-	49	92	6	2500	St	8	ASt	10	•
Edinburgh (Inchkeith)	1024.5	-5	WSW	4	o+	49	92	7	–	St	6	ASt	10	3
Leuchars	1023.8	-4	WSW	3	o+	51	75	7	1500	St	3	ASt	10	•
Eskdalemuir	1024.1	-3	SW	4	o r	46	85	7	1500	Nb	10	–	10	•
Tynemouth	1027.5	-1	W	2	b+	50	75	6	2500	CuNb	2	ACu	3	1
Blacksod Point ...	1028.8	-4	WSW	8	mo+	52	97	4	–	–	0	ASt	10	8
Donaghdee	1027.3	-3	SW	2	o/r	49	92	8	–	–	0	ASt	10	3
Birr Castle	1032.1	•	WSW	2	o rr	50	97	6	2500	Nb	10	–	10	•
Holyhead	1031.0	-2	SW	4	o+	51	85	8	4000	StCu	1	CiSt	10	1
Liverpool (Bidston) ...	1030.3	-1	W	3	o+	51	75	7	1500	CuNb	3	–	3	3
Chester (Shotwick) ...	1030.9	0	W'N	3	o+	52	75	8	2500	StCu	3	ASt	10	•
Spurn Head	1029.0	0	NNW	6	bc	50	92	7	–	–	0	Ci	5	3
Birmingham (Edgbaston)	1032.3	0	NNW	3	bc+	51	85	6	–	–	0	ACu	6	•
Nottingham	1030.4	-1	W	3	bc+	49	85	6	–	–	0	ACu	6	•
Cranwell	1030.2	0	WSW	3	o+	50	75	6	5/00	StCu	8	CiCu	10	•
Gorleston	1028.4	0	NW	3	bc+	52	75	6	–	–	0	CuCu	4	0
Valencia (Cahirciveen)	1035.0	-2	W'S	3	o	53	85	7	800	StCu	10	–	10	3
Roches Point	1034.6	-1	WSW	3	o-	52	85	8	4000	StCu	9	–	9	0
Pembroke (St. Ann's H.)	1033.8	0	NNW	3	bc	51	85	8	–	StCu	5	–	5	3
Ross-on-Wye	1031.6	-1	W	2	o ⊕	54	75	9	4000	Cu	1	CiSt	9	•
Benson...	1031.3	-1	W	1	bc	50	85	8	–	–	0	Ci	4	•
Andover	1032.3	0	W	2	c	52	75	8	4000	StCu	3	ACu	7	•
S. Farnborough ...	1032.1	+1	W	3	bc+	49	85	8	–	–	0	ACu	6	•
London (Kew Obsy.) ...	1032.3	0	W'N	2	bc	52	75	6	–	–	0	Ci	4	•
Croydon	1031.8	+1	NNW	2	c	52	75	6	–	–	0	Ci	7	•
Clacton-on-Sea ...	1030.3	+1	NW	3	c	52	75	6	–	–	0	ACu	7	0
Shoeburyness	1031.2	0	NNW	3	bc	52	75	7	–	–	0	CiSt	4	•
Grain	1031.2	+2	W	3	bc	50	75	7	–	–	0	ACu	6	0
Lympne	1031.0	0	NNW	3	c	50	85	6	–	–	0	ACu	7	•
Scilly (St. Mary's) ...	1036.0	0	NW'N	3	bc+	53	75	8	4000	Cu	3	ACu	5	3
Falmouth (Pendennis)	1034.8	0	N'W	2	b-	54	85	8	5/00	Cu	3	–	3	0
Plymouth (Cattewater)	1032.6	0	WNW	1	b	55	85	7	–	–	0	CiSt	1	0
Portland Bill	1032.9	+2	NW	2	bc+	56	75	7	–	–	0	CiCu	5	1
Southampton (Calshot)	1032.8	0	WNW	2	bc+	52	75	7	–	–	0	ACu	6	0
Dungeness	1030.7	+1	N	4	bc	53	92	8	–	–	0	Ci	6	4
Jersey 7h }	1033.0	+1	NNW	3	b	58	65	8	–	–	0	–	0	0
Guernsey 1h }														

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 10-11	Temperature. Max. Day. 11	Rainfall.† Night 17h.-9h. 10-11	Rainfall.† Day 9h.-17h. 11	Sunshine. Sunrise to 17h. 11	Sunshine. Sunrise to Sunset. 10
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick on Tweed	b	bbcc	46	59	-	-	10.2	9.6
Montrose	-	-	45	60	-	1	10.3	9.6
Llandudno	b	bc	51	58	-	-	11.8	12.6
Colwyn Bay ...	bc	bc	50	58	-	-	(10.8) ~~10.8~~	11.6
Rhyl...	bc	bc	51	58	-	-	11.1	10.2
Southport	cbcb	bcb	49	56	1	-	10.2	7.8
Blackpool	cb	bc	50	57	1	-	9.8	8.0
Ilkley	ocb	b	46	62	0.4	-	12.8	9.4
Harrogate	b	b	45	60	0.3	-	12.8	9.9
Skegness	b	b	49	62	-	-	10.4	7.8
Aberystwyth ...	obc	b	51	58	-	-	9.0	9.5
Bath	ocbcb	bcb	50	65	-	-	8.0	7.8
Leamington Spa ...	cb	bc	47	60	-	-	7.0	6.2
Lowestoft	ocbc	bco	49	61	-	-	9.2	7.1
Felixstowe	bcoc	bc	49	62	-	-	9.2	7.4
Southend	bcc	bc	47	64	-	-	9.0	6.5
Ilfracombe	ocbc	bcb	52	57	-	-	5.5	9.5
Bude	bc	bc	52	59	-	-	10.2	9.2
Penzance	bc	b	51	60	-	-	?	?
Paignton	cbcy	cbcq	51	65	-	-	7.9	9.3
Torquay	b	b	52	63	-	-	8.1	9.1
Weymouth	cbc	b	51	68	-	-	9.3	8.1
Bournemouth ...	b	b	48	65	-	-	8.0	7.4
Portsmouth (S'thsea)	bbc	bcb	51	65	-	-	9.2	7.2
Worthing	obc	bc	47	65	-	-	9.1	6.3
Brighton	bcbob	b	49	65	-	-	7.5	5.2
Eastbourne	bc	bc	50	61	-	-	9.9	5.4
Hastings	cbcc	cbcb	47	63	-	-	8.7	5.1
Folkestone	bc	bc	46	63	-	-	8.8	2.1
Tunbridge Wells ...	bbc	bccb	44	65	-	-	8.9	6.0
Ramsgate	bbc	bcb	45	62	-	-	9.6	4.7
Margate	bc	bcbc	49	62	-	-	9.8	6.2
Deal	cbc	bcc	48	64	-	-	8.0	4.7

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* 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.22483 Wednesday, 13th June, 1923.

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	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1012·0	-6	S	2	od.	48	92	5	800	St	9	CiSt	10	•
Stornoway	1012·8	-2	WNW	5	o/r	55	92	6	450	St	10	–	10	•
Wick	1011·2	-8	SSW	3	orr	48	97	6	2500	Nb	10	–	10	•
Castlebay	1017·5	0	W	4	mmo	52	97	4	800	Nb	10	–	10	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1013·7	-9	SW'S	3	o/r	56	85	7	2500	Nb	1	ASt	10	1
Malin Head	1021·2	-1	WSW	5	mmo	52	97	5	800	St	10	–	10	•
Renfrew	1019·6	-5	WSW	3	or-	52	97	6	800	Nb	9	ASt	10	2
Edinburgh (Inchkeith)	1017·0	-9	WSW	5	o/r	52	92	8	–	StCu	10	–	10	•
Leuchars	1015·9	-9	WSW	6	o/r	56	85	7	1500	St	9	–	9	1
Eskdalemuir	1020·8	-6	SW	6	ore	48	97	6	220	Nb	10	–	10	1
Tynemouth	1021·6	-6	SW	2	o/p	52	85	6	1500	Nb	10	–	10	•
Blacksod Point	1027·0	-1	W	4	mo+	54	97	5	–	–	0	ASt	10	•
Donaghadee	1022·0	-5	W	3	c/r	57	92	8	1500	Nb	8	–	8	•
Birr Castle	1030·4	*	SW	2	o-	56	92	7	2500	Nb	9	–	9	•
Holyhead	1027·2	-5	SW'S	5	orr	50	97	5	220	Nb	10	–	10	2
Liverpool (Bidston)	1025·7	-4	SW'W	3	opr.	50	86	6	1500	Nb	10	–	10	•
Chester (Shotwick)	1026·9	-5	SW	4	o	54	75	8	1500	StCu	7	ASt	10	1
Spurn Head	1025·3	-3	W	6	or+	52	97	5	1500	Nb	10	–	10	•
Birmingham (Edgbaston)	1027·6	-3	W	5	o+	54	75	7	4000	CuNb	4	ASt	9	0
Nottingham	1026·5	-3	WSW	4	o	56	75	7	1500	StCu	5	ASt	10	•
Cranwell	1027·1	-2	WSW	4	orr	54	75	7	2500	St	10	–	10	1
Gorleston	1025·9	-2	W'S	3	c+	61	75	7	4000	Cu	8	–	8	•
Valencia (Cahireiveen)	1033·6	-3	WSW	5	o	56	85	7	1500	St	6	ASt	10	0
Roches Point	1030·7	-5	W	4	o	64	85	8	4000	StCu	9	–	9	•
Pembroke (St. Ann's H.)	1031·0	-3	WSW	4	orr	49	97	8	1500	Nb	10	–	10	•
Ross-on-Wye	1029·3	-2	W	3	opr.	54	75	8	2500	Nb	3	ASt	10	0
Benson	1028·2	-4	WSW	4	o+	61	65	7	*	Cu	5	ASt	10	0
Andover	1029·5	-2	W	5	o+	60	65	8	4000	StCu	7	CiSt	10	0
S. Farnborough	1028·5	-4	WSW	4	o+	54	85	8	4000	StCu	5	ASt	10	0
London (Kew Obsy.)	1028·6	-5	W	3	o	62	56	8	–	–	0	CiSt	10	0
Croydon	1028·0	-4	WNW	3	o⊕	62	55	8	4000	Cu	4	CiSt	10	0
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1027·8	-3	WSW	4	c+	61	55	7	–	–	0	ASt	8	•
Grain	1028·0	-5	WSW	4	off	61	55	8	4000	Cu	1	ASt	10	0
Lympne	1028·1	-4	WSW	4	-o	59	65	8	4000	StCu	5	CiSt	10	0
Scilly (St. Mary's)	1035·1	0	WNW	4	o+	56	85	8	4000	StCu	9	–	9	•
Falmouth (Pendennis)	1030·8	+1	NW	3	bc+	59	65	8	5700	Cu	6	–	6	•
Plymouth (Cattewater)	1032·7	-1	WNW	3	opr.	57	65	8	4000	StCu	2	ASt	9	0
Portland Bill	1032·0	-4	NW	2	br	55	75	7	–	–	0	ASt	10	•
Southampton (Calshot)	1029·9	-4	SW	5	o+	60	65	8	4000	StCu	7	ASt	10	0
Dungeness	1028·8	-2	SW	4	c+	58	75	8	4000	Cu	4	CiSt	8	•
Jersey	1031·8	0	NNW	3	b	62	65	8	–	–	0	–	0	•

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	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1008·5	-6	S	2	odd	47	97	5	800	Nb	10	–	10	1
Stornoway	1008·5	+1	WNW	5	opr.	54	92	6	450	St	10	–	10	4
Wick	1010·1	-1	WNW	2	c/r	52	92	8	4000	CuNb	8	–	8	3
Castlebay	1016·7	-1	WNW	4	mmo	51	97	4	800	St	10	–	10	*
Nairn	1018·5	*	W	8	o/r	59	75	8	4000	Cu	6	–	6	•
Aberdeen	1020·0	-1	WNW	4	c-	62	75	8	2500	Cu	7	ACu	8	0
Malin Head	1020·9	-2	WSW	5	fro	52	97	3	800	St	10	–	10	3
Renfrew	1017·7	-2	W	4	ore	55	85	6	800	St	10	–	10	•
Edinburgh (Inchkeith)	1013·5	-3	WSW	6	o	54	92	7	*	St	5	ASt	10	4
Leuchars	1012·7	-3	W	5	o.	61	75	8	7200	StCu	8	CiCu	9	•
Eskdalemuir	1017·8	-3	W	4	o	53	92	6	450	St	10	–	10	•
Tynemouth	1015·7	-7	W	3	ore	56	85	6	800	Nb	10	–	10	2
Blacksod Point	1025·8	-1	W	4	mo+	53	97	5	*	–	–	ASt	10	4
Donaghadee	1020·5	-1	W	3	o	59	92	8	2500	St	10	–	10	3
Birr Castle	1027·5	*	S	1	o+	56	97	7	2500	Nb	10	–	10	•
Holyhead	1024·0	-3	W	4	mo	55	92	6	450	St	10	–	10	3
Liverpool (Bidston)	1021·4	-5	WSW	6	ode	55	92	8	800	Nb	10	–	10	3
Chester (Shotwick)	1022·3	-4	WSW	3	o	56	85	8	1500	St	9	ASt	10	•
Spurn Head	1019·4	-6	WSW	5	o/r	53	97	6	1500	St	10	–	10	3
Birmingham (Edgbaston)	1022·4	-6	W	4	o	54	85	7	4000	CuNb	10	–	10	•
Nottingham	1021·9	-4	W	4	o	54	85	6	2500	Nb	10	–	10	•
Cranwell	1022·0	-4	WSW	4	o/r	53	87	6	1500	St	10	–	10	•
Gorleston	1021·7	-3	W	4	o	53	85	6	5700	StCu	10	–	10	0
Valencia (Cahireiveen)	1033·4	-1	WSW	3	o	54	92	6	800	St	10	–	10	3
Roches Point	1028·8	-3	W	4	o	61	92	8	4000	StCu	9	–	9	3
Pembroke (St. Ann's H.)	1026·8	-5	W	5	o/p	52	92	8	1500	StCu	9	–	9	4
Ross-on-Wye	1025·0	-5	WSW	2	o	56	85	8	2500	Nb	9	ASt	10	•
Benson	1026·3	-5	WSW	3	o	53	92	8	2500	St	10	–	10	•
Andover	1026·2	-3	W	5	o/r	51	97	8	1500	StCu	9	ASt	10	•
S. Farnborough	1026·1	-4	W	4	ore	54	85	7	2500	Nb	10	–	10	•
London (Kew Obsy.)	1025·3	-4	W	3	o	56	75	8	2500	StCu	9	ASt	10	•
Croydon	1025·0	-4	W	3	o	55	65	8	2500	StCu	7	ASt	10	•
Clacton-on-Sea	1022·6	-5	W	4	o	59	65	6	–	–	0	ASt	10	0
Shoeburyness	1024·1	-4	WSW	6	opr.	59	55	7	4000	St	5	ASt	10	*
Grain	1024·2	-4	W'S	5	o	57	55	8	5700	St	8	ASt	10	0
Lympne	1024·8	-4	W	4	o	55	75	8	4000	StCu	4	ASt	10	•
Scilly (St. Mary's)	1032·5	-3	W'N	6	o	55	85	8	4000	StCu	9	–	9	5
Falmouth (Pendennis)	1031·4	-3	W	4	bc	56	65	8	5700	Cu	6	–	6	0
Plymouth (Cattewater)	1029·9	-2	WNW	3	o	57	75	8	4000	St	10	–	10	0
Portland Bill	1029·6	-2	WNW	4	bc	55	75	7	2500	StCu	6	–	6	1
Southampton (Calshot)	1027·2	-3	W'N	5	opr.	55	75	8	1500	Nb	8	ASt	10	0
Dungeness	1025·1	-4	SW	5	o	55	85	8	–	–	0	ASt	10	5
Jersey	1030·3	0	NNW	3	b	57	75	8	–	–	0	–	0	0

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. 12th								Yesterday.	To-day.	
Kew } 24 hours ended 0700	ocoy	ouo	ormo	*	*	51	–	1	5·3	*	*
Croydon } 24 hours ended 0700	coy3	oy8½	orr.	*	*	50	Tr.	1	2·4	*	*
Greenwich (Royal Obsy.)	o⊕	obl	or	66	51	51	–	2	4·1	66	44
City (Bunhill Row)	*	*	*	*	*	*	*	*	3·3	*	*
Westminster (St. James' Pk.)	*	*	*	65	53	46	2		5·1	61	54
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	5·0	*	*
Camden Square	bco	o	*	65	53	52	–	2	*	*	44
Kensington Palace	bco	o/p	*	65	52	51	0·1	3	*	(9h)	44
Hampstead Observatory	*	*	*	63	51	48	–	2	5·2	*	53

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 12th.

South Kensington

Max.	Time.	Min.	Time.
0·3	22h 11½h	0·3	1h 12½h
0·5	7h. 12½		

Kew Observatory

Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 12th 21h 45m to 13th 02h 15m

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	4.30	0.0	Nil.
δ Ursae Minoris	4.30	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 = Hard 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 freezing rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per sec.	Strength.	Direc.
18h.	-	-	-	-
13h.	C+2	8	-	145°
01h.	C	6	-	100
07h.	C	-	-	40

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

12th & 13th June, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.32 / 3.31	11.53 / 11.53	8.14 / 8.14
Greenwich	3.45 / 3.44	12.0 / 12.0	8.15 / 8.16
Wick	2.8 / 2.7	12.12 / 12.12	9.16 / 9.17
Valencia	4.33 / 4.32	12.41 / 12.41	8.50 / 8.50

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.
p precipitation within sight of station.
p passing showers r rain.
s snow. ra 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; l = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";
Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
M = heavy rain.
rr = continuous moderate rain.
ro/o = 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.

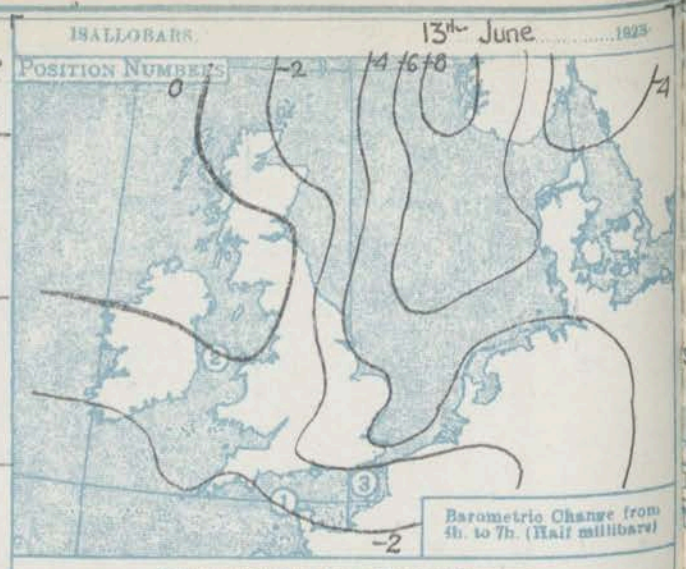
The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

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. 12th	WEATHER. 13h.-18h. 12th	WEATHER. 18h. 12th to 1h. 13th	WEATHER. 1h.-7h. 13th	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. 12th Hours.
Lerwick	omd	oid.	omr	omr	49	46	•	2	4	L0800	<2100	0.3
Stornoway	r-d	p	p	cpr	55	47	•	2	3	-	-	0.3
Wick	omrr	opdq	opdq	ob	54	49	•	2	0.1	L0800	<2100	•
Castlebay	rrdF	doF	rpr	rrop	52	49	•	-	3	-	-	0.0
Nairn	cirq	cq	pcq	cq	61	51	•	1	0.2	0900	2400	3.0
Aberdeen	ror.	oc	cobco	p.bcq	64	55	50	2	0.5	L0800	2400	2.4
Malin Head	oir D	idffo	omdd	oiD	53	49	•	8	2	L0800	<2100	0.1
Renfrew	orr	ord.	op.	orq.p.	56	51	49	3	1	L0800	2200	0.0
Edinburgh (Inchkeith)	rro	oo	p	bcq	55	51	50	2	Trace	L0800	2400	1.3
Leuchars	orroirq	op.qc	c	c	61	53	46	4	-	L0800	-	3.1
Eskdalemuir	oriro	iirodo	oor	oroid	53	48	44	5	1	L0800	2400	0.0
Tynemouth	oirom	oqir	oqp.	omq	56	54	50	3	3	1100	<2100	•
Blacksod Point ...	f-m	f-m	oo	oo	55	45	•	1	0.3	-	-	•
Donaghadee	p	oo	o	bcq	60	53	•	5	-	L0800	-	•
Birr Castle	prco	oo	opr.	co	57	53	52	0.3	0.1	L0800	<2100	0.0
Holyhead	rR	orrm	oo	ood	56	53	53	6	0.1	L0800	0530	0.0
Liverpool (Bidston) ...	op.	opod	dopq		53	51	51	0.4	0.6	1330	2200	0.5
Chester (Shotwick) ...	oopro	oprro	opr.q	opr.q	56	56	54	0.6	Trace	1100	<2100	0.6
Spurn Head	ccoog	orop.	ordbc	RcP	55	52	•	0.5	6	1230	<2100	2.6
Birmingham (Edgbaston)	bco	oo	cp	co	57	54	54	-	-	-	-	0.3
Nottingham	oor	op.	op.	pd.	58	53	52	0.1	1	1100	<2100	0.4
Cranwell	oro	or.o	rroob	rid	59	52	50	0.2	4	1100	<2100	0.8
Gorleston	bcc	cop	or	orrm	62	56	51	Trace	6	1330	2200	3.5
Valencia (Cahirciveen)	oo	opdm	oord	omd	54	53	52	0.6	2	1430	<2100	0.0
Roches Point	oco	oco	oo	oo	65	57	*	-	-	-	-	*
Pembroke (St. Ann's H.)	orrq	copq	c	oq	54	52	•	2	-	1100	-	1.3
Ross-on-Wye	co	op.ovo	oco	obkc	59	55	55	0.2	-	1330	-	2.8
Benson...	beco	o	oo	oo	63	52	52	-	Trace	-	-	•
Andover	co	ooro	oo	oo	62	51	51	0.1	-	1530	-	5.0
S. Farnborough ...	bcoy	oyr.	opro	o	65	51	53	Trace	1	1730	<2100	5.9
London (Kew Obsy.) ...	ocoy	oyo	ormo	omom	63	53	51	-	1	-	<2100	5.3
Croydon	coyz	oyop.	orr.	omd.	63	51	50	Trace	1	1530	<2100	5.4
Clacton-on-Sea ...	cbccy	cyo	oqp	op	63	52	51	-	1	-	2200	5.6
Shoeburyness	bcc	ocomp	opr.pR	oprom	64	51	51	Trace	3	1430	<2100	6.4
Grain	bcozo	copro	dorco	o	63	52	50	Trace	2	1630	-	5.1
Lympne	cmo	oco	orm	om	62	50	50	-	5	-	2200	8.3
Scilly (St. Mary's) ...	bcc	c	co	omqp.	59	52	•	-	0.2	-	0630	6.5
Falmouth (Pendennis)	bc	bc	bc	bcomp	60	51	•	-	0.3	-	0230	8.5
Plymouth (Cattewater)	bcop	opc	ob	bo	60	55	53	Trace	-	1230	-	6.5
Portland Bill	b-bc	c	oo	c	56	52	•	-	-	-	-	
Southampton (Calshot)	c	oo	oo	oiqo	63	55	54	-	Trace	-	2400	6.4
Dungeness	c	oo	r.a	od	61	53	•	-	-	-	-	
Jersey	b	b	b	bo	63	53	•	-	-	-	-	4



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
1	12th 12h	Ibex	NW	2	bc+	55	54	4
2	12th 10h	Scotia	SW'S	3	oe	51	50	8
3	13th 3h	Brighton	W'S	3	o/r	55	55	8

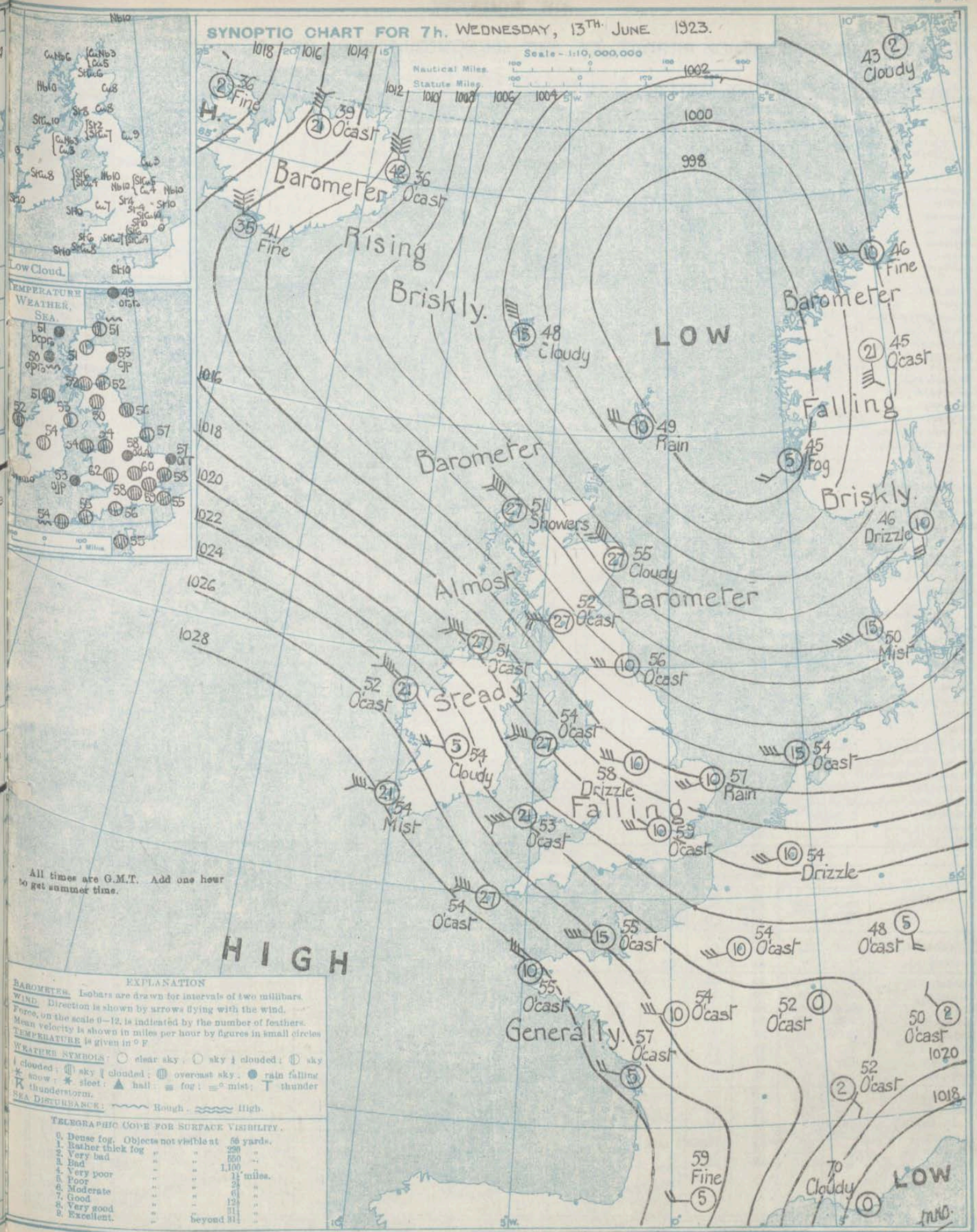
GENERAL INFERENCE.

The deep depression off the coast of Norway is likely to move away eastwards, but slight secondaries will cause showery periods in all parts of the British Isles with fresh or strong northwesterly winds, probably backing to W. or S.W. in the West.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Tuesday, 13th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind W to NW strong at times; occasional showers; visibility good; rather warm at first, then slightly colder.	Unsettled in the West and North, outlook uncert[illegible] for Southeast. -------- South Cone hoisted at 0910 GMT. yesterday, and at 0930 GMT. today.
5. S.W. England 6. South Wales	Wind W to NW strong at times; occasional showers; visibility good; moderate temperature.	
7. North Wales 8. N.W. England 9. N. Midlands	Wind N.W., strong to a gale at times in exposed places, moderating gradually; mainly cloudy, some rain; visibility good; cool.	
10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind W. to N.W., strong to a gale at times in exposed places, moderating gradually; varying amount of cloud, occasional showers in places; visibility good; moderate temperature.	
14. N. & N.W. Scotland	As 7 - 9	
15. Hebrides 16. Orkneys and Shetlands	Fresh or strong N.W. wind, probably backing to W. or S.W. later; occasional showers, with bright intervals; visibility good; cool	
17. N.W. Ireland	As 7 - 9	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 15	

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



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION Wednesday 13th June 1923. No. 164.

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	1002.5	-8	W	2	orr	48	97	4	800	Nb	10	–	10	•
Stornoway	1008.6	-3	WNW	4	PR	•	•	5	•	•	•	•	•	•
Wick	1004.6	-5	W	4	od$_0$	53	92	8	800	St	8	ASt	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1014.1	-2	W	6	oR	52	97	5	2500	Nb	10	–	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1011.1	-5	WSW	5	c-	52	97	8	–	St	4	ASt	4	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1013.1	-3	WSW	2	or$_0$	55	92	6	800	Nb	10	–	10	•
Blacksod Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1020.7	-1	WNW	6	o	54	97	8	2500	StCu	10	–	10	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1015.3	-2	W	4	b-	56	92	7	4000	StCu	1	–	1	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1018.2	-5	W'S	4	b	54	97	7	2500	StCu	1	ASt	2	•
Gorleston	1018.1	-2	N'N	3	o	54	92	7	4000	Nb	10	–	10	•
Valencia (Cahirciveen)	1027.4	-3	W	4	o	53	97	6	–	St	10	–	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1024.7	-2	WSW	4	c	53	97	8	4000	StCu	8	–	8	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)		•	•	•	•	55	•	•	•	•	•	•	•	•
Croydon	1020.4	-5	W'S	4	o/r	54	92	7	1500	Nb	10	–	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1021.1	-4	W	3	o/r	51	97	5	800	St	10	–	10	•
Scilly (St. Mary's)	1029.1	-2	N'N	6	o	53	92	7	4000	StCu	10	–	10	•
Falmouth (Pendennis)	1027.2	+1	W	3	c+	54	97	8	5700	StCu	8	–	8	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1023.5	-6	WNW	3	o	55	92	7	5700	StCu	10	–	10	•
Southampton (Ca.shot)	1021.8	-4	NNW	5	o	57	85	8	1500	St	10	–	10	•
Dungeness	1020.6	-4	W	4	c/r	53	92	8	2500	Nb	7	–	7	•
Jersey 7h / Guernsey 1h														

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	999.0	-3	WNW	3	orr$_0$	49	97	4	2500	Nb	10	–	10	2
Stornoway	1008.1	0	NW	6	bcpr	51	92	7	1500	CuNb	6	–	6	5
Wick	1002.4	-2	NW	6	c	51	85	8	2500	Cu	8	–	8	6
Castlebay	1013.7	0	NW	5	o/pr	50	92	6	800	Nb	10	–	10	6
Nairn	1008.2	•	W	3	bc	51	75	8	4000	StCu	6	–	6	•
Aberdeen	1005.6	-2	NW	6	cjp	55	65	8	1500	Cu	8	–	8	0
Malin Head	1017.4	0	WNW	6	o/r	51	85	8	5700	StCu	10	–	10	4
Renfrew	1011.9	0	W	6	o-	52	75	6	1500	St	8	Ci	9	4
Edinburgh (Inchkeith)	1008.4	+1	W	6	c+	52	85	8	–	Cu	8	–	8	•
Leuchars	1007.9	-1	W	4	c	56	65	8	4000	StCu	7	–	7	•
Eskdalemuir	1011.1	-1	W'N	7	o/r	50	85	8	1500	StCu	9	–	9	•
Tynemouth	1010.5	-2	W	8	o	56	85	6	4000	Cu	9	–	9	1
Blacksod Point	1024.5	0	NW	5	o	52	85	7	–	–	0	ASt	10	4
Donaghadee	1017.4	+1	NNW	4	bc	53	85	8	800	Cu	6	–	6	3
Birr Castle	1023.0	•	W	2	c-	54	97	8	2500	StCu	8	–	8	•
Holyhead	1018.8	0	W'N	6	o	54	97	7	450	St	10	–	10	4
Liverpool (Bidston)	1016.1	+2	WSW	7	o/r	54	97	6	1500	Nb	10	–	10	5
Chester (Shotwick)	1017.0	0	W	8	opr$_0$	57	85	6	1500	St	10	–	10	•
Spurn Head	1010.1	-5	W	7	c/r	57	92	6	1500	Cu	3	CiSt	7	4
Birmingham (Edgbaston)	1016.9	-2	WNW	5	c+	60	85	8	2500	St	6	CiCu	7	•
Nottingham	1015.3	-1	WNW	3	odd$_0$	58	92	5	1500	Nb	10	–	10	•
Cranwell	1015.1	-3	W	5	o/r	60	85	7	2500	StCu	9	–	9	•
Gorleston	1014.5	-3	W'S	3	orr	57	92	6	4000	Nb	10	–	10	1
Valencia (Cahirciveen)	1027.6	-2	W'N	5	mmo	54	97	5	450	St	10	–	10	–
Roches Point	1024.8	-1	WNW	4	o	57	92	8	4000	St.Cu	10	–	10	3
Pembroke (St. Ann's H.)	1022.0	-3	WSW	5	ojp	53	97	8	1500	St	10	–	10	4
Ross-on-Wye	1018.6	-2	W	3	c	62	85	8	4000	Cu	7	Ci	8	•
Benson	1017.8	-2	WSW	4	o	60	85	7	–	St	4	ACu	9	•
Andover	1013.1	-2	W'N	5	o	57	92	7	800	St	10	–	10	•
S. Farnborough	1018.3	-3	W	4	o	58	92	6	1500	St	10	–	10	•
London (Kew Obsy.)	1017.8	-2	W	3	o	59	85	6	2500	StCu	10	–	10	•
Croydon	1017.8	-3	W	3	o-	58	85	6	450	St	7	ACu	9	•
Clacton-on-Sea	1016.1	-3	W	3	o/r	58	92	6	2500	St	10	–	10	0
Shoeburyness	1016.6	-3	NW	4	o/r	60	85	6	2500	StCu	9	–	9	•
Grain	1016.5	-3	W	5	o-	59	85	6	1500	StCu	10	–	10	1
Lympne	1016.8	-4	WNW	4	od$_0$	57	92	6	800	St	10	–	10	•
Scilly (St. Mary's)	1026.6	-2	WNW	6	o	54	97	6	2500	St	10	–	10	6
Falmouth (Pendennis)	1023.6	-3	WNW	6	c/r	55	97	8	5700	StCu	8	–	8	0
Plymouth (Cattewater)	1023.4	-1	NW	3	o+	58	92	7	450	St	6	ACu	9	0
Portland Bill	1021.3	-6	W	4	c-	56	85	7	2500	StCu	7	–	7	3
Southampton (Ca.shot)	1019.2	-2	WNW	5	o	59	85	8	800	St	10	–	10	0
Dungeness	1018.3	-2	W	3	o-	55	97	7	–	–	0	ASt	9	3
Jersey 7h / Guernsey 1h	1023.8	-1	W	4	o	55	92	6	1500	St	10	–	10	3

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

Stations	Weather Fore-noon	Weather After-noon	Temperature Min. Night 11th °F.	Temperature Max. Day 12th °F.	Rainfall† Night 17h.-9h. 11th-12th mm.	Rainfall† Day 9h.-17h. 12th mm.	Sunshine Sunrise to 17h. 12th hr.	Sunshine Sunrise to Sunset 11th hr.
Berwick-on-Tweed	bcor	or$_0$	44	57	0.1	3	0.7	12.6
Montrose	*	*	46	61	0.1	3	0.2	12.3
Llandudno	ood	rod	50	56	–	2	0.7	13.5
Colwyn Bay	cbc	cp	48	56	–	–	*8	10.8
Rhyl	bccp	pc	50	57	*	2	0.7	13.4
Southport	codo	or	50	?53	–	1	0.2	?
Blackpool	co	od	50	53	–	1	0.3	12.1
Ilkley	b	copgo	44	62	–	1	2.2	14.8
Harrogate	op	cp	41	52	–	3	0.3	16.1
Skegness	bbco	or	42	57	–	2	3.1	13.1
Aberystwyth	oco	oro	49	55	–	3	0.5	10.7
Bath	bcco	ogp	41	60	–	0.1	3.3	10.2
Leamington Spa	cbo	c	40	59	–	–	2.4	10.3
Lowestoft	ocbcco	op$_0$o	42	61	–	0.1	4.0	11.0
Felixstowe	bc	bco	43	62	–	–	5.5	9.5
Southend	bc	co	43	63	–	–	6.5	11.3
Ilfracombe	ocbcc	oro	51	55	–	1	2.2	9.4
Bude	wccbc	ccor$_0$	47	60	–	1	4.9	11.2
Penzance	bc	bcc	50	60	–	–	*	*
Paignton	bcbccp	bcq	48	66	Trace	–	6.1	10.5
Torquay	b	bobc	49	65	–	–	5.3	10.9
Weymouth	co	o	48	63	–	–	2.5	10.7
Bournemouth	bb	oo	45	62	–	–	4.8	9.8
Portsmouth (S'thsea)	bb	co	46	63	–	–	6.7	10.6
Worthing	bcc	c	45	61	–	–	6.4	11.2
Brighton	bbco	coo	47	60	–	–	6.5	9.1
Eastbourne	b	bco	48	60	–	–	8.9	12.5
Hastings	bccbc	bcco	47	62	–	–	7.3	11.7
Folkestone	b	bc	43	62	–	–	8.2	11.0
Tunbridge Wells	cbcc	co	41	65	–	–	6.5	10.9
Ramsgate	bcb	bbc	43	64	–	–	7.2	11.0
Margate	bc	o	47	61	–	–	6.0	11.8
Deal	bcc	bcco	43	65	–	–	7.3	9.4

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* 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.22484 Thursday 14th June 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	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1000.2	+3	NW	8	od₀	48	97	5	2500	Nb	10	–	10	•
Stornoway	1011.0	+3	NW	6	o+	53	85	7	800	St	10	–	10	•
Wick	1005.3	+1	NW	8	or-	50	97	6	800	St	10	–	10	•
Castlebay	1015.4	+1	WNW	5	mmo	52	97	7	2500	St	8	–	8	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Aberdeen	1002.2	+3	WNW	6	o	56	65	8	2500	Cu	10	–	10	o
Malin Head	1018.2	+1	WNW	6	c	53	85	8	4000	StCu	8	–	8	•
Renfrew	1013.0	+2	WNW	4	opr₀	53	75	58	2500	StCu	10	–	10	1
Edinburgh (Inchkeith)	1004.2	+2	W	6	c	54	75	8	–	St	7	–	7	•
Leuchars	1008.2	+1	NW	5	o	60	55	8	2500	StCu	10	–	10	o
Eskdalemuir	1012.7	+2	W'N	6	o	53	65	8	2500	StCu	10	–	10	1
Tynemouth	1010.5	0	W	4	o	55	75	6	4000	Cu	9	–	9	•
Blacksod Point	1024.9	+1	NW	5	o	53	85	8	–	–	0	ASt	10	•
Donaghadee	1018.0	+1	NW	4	bc+	55	75	8	2500	StCu	6	–	6	•
Birr Castle	1023.0	*	NW	2	c-	61	75	8	4000	StCu	7	–	7	•
Holyhead	1019.4	+2	WNW	6	o	55	75	7	4000	StCu	9	–	9	o
Liverpool (Bidston)	1016.9	0	W	6	o	53	75	7	1500	CuNb	10	–	10	•
Chester (Shotwick)	1017.7	+1	W'N	6	o	54	65	8	1500	StCu	10	–	10	1
Spurn Head	1010.8	+1	WNW	8	o	57	75	7	2500	Cu	10	–	10	•
Birmingham (Edgbaston)	1016.6	+1	NW	5	c	60	65	8	5700	StCu	8	–	8	o
Nottingham	1014.6	+1	WNW	6	c	58	65	7	2500	Cu	2	CiSt	7	•
Cranwell	1013.7	0	W	7	bc	59	65	7	2500	Cu	3	CiSt	5	o
Gorleston	1012.2	-2	NWW	5	o	66	55	6	4000	StCu	10	–	10	•
Valencia (Cahirciveen)	1028.0	+1	NNW	4	c-	54	85	8	1500	St	8	–	8	1
Roches Point	1024.2	0	WNW	5	b	62	75	8	–	–	0	Ci	2	x
Pembroke (St. Ann's H.)	1021.6	0	WNW	4	o	57	85	8	4000	Cu	2	ASt	9	*
Ross-on-Wye	1017.8	0	WNW	6	b₁-	63	65	9	5700	Cu	3	–	3	o
Benson	1015.6	-2	WNW	4	c-	66	55	9	*	Cu	4	Ci	7	o
Andover	1016.6	-2	WNW	6	o	68	55	8	2500	StCu	2	CiSt	10	o
S. Farnborough	1015.3	-3	NW	3	o-	69	55	8	2500	Cu	2	ASt	9	o
London (Kew Obsy.)	1014.7	-4	W	3	o	68	55	8	4000	Cu	2	CiSt	9	o
Croydon	1015.0	-3	WNW	4	o-	66	45	8	2500	Cu	4	ASt	9	o
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1013.8	-2	WNW	4	tcjm	70	55	8	7200	Cu	5	ASt	6	*
Grain	1014.0	-2	WNW	5	bc	69	55	7	4000	Cu	2	ASt	6	o
Lympne	1013.9	-3	NW	5	o+	67	65	8	2500	Cu	3	ASt	10	o
Scilly (St. Mary's)	1026.4	-1	WNW	6	o	55	97	6	2500	St	10	–	10	•
Falmouth (Pendennis)	1023.4	-1	NW	5	o+	60	75	8	4000	StCu	10	–	10	•
Plymouth (Cattewater)	1022.7	0	NW	6	o	59	85	7	1500	StCu	10	–	10	o
Portland Bill	1019.7	-2	W	5	o+	61	75	7	–	–	0	ASt	10	•
Southampton (Calshot)	1017.1	-1	WNW	6	o+	65	65	8	2500	StCu	2	ASt	10	o
Dungeness	1014.4	-2	SW	5	bc	61	85	7	–	–	0	CiCu	5	•
Jersey	1022.2	0	NW	4	o	58	85	6	1500	St.	10	-	10	•

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	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1005.4	+4	NNW	8	od₀	48	85	6	4000	Nb	6	ASt	10	7
Stornoway	1016.3	+6	NNW	5	o	50	85	6	450	St.	10	-	10	4
Wick	1010.2	+6	NNW	7	orr	48	97	7	2500	Nb	10	-	10	6
Castlebay	1018.7	+4	NNW	4	opr₀	51	97	7	1500	St.	10	-	10	4
Nairn	1014.1	*	WNW	4	c	52	75	8	4000	St.Cu	8	-	8	•
Aberdeen	1010.6	+5	NW	5	opr₀	51	75	8	1500	CuNb	9	-	9	3
Malin Head	1020.0	+2	NW'W	6	o	51	85	8	5700	St.Cu	9	-	9	6
Renfrew	1014.9	+4	NW	4	o+	53	75	8	1500	St.Cu	10	-	10	•
Edinburgh (Inchkeith)	1011.8	+2	W	5	o+	54	75	8	*	St.	10	-	10	3
Leuchars	1011.1	+2	NW	5	o	57	55	8	2500	St.Cu	9	-	9	•
Eskdalemuir	1014.0	+1	W'N	5	o	50	75	7	2500	St.Cu	10	-	10	•
Tynemouth	1011.1	+1	WNW	3	bc-	58	65	6	4000	Cu	6	-	6	1
Blacksod Point	1025.5	+1	NW'W	4	o-	53	85	8	*	-	.	14	9	4
Donaghadee	1018.2	0	NW	4	c	54	75	8	2500	CuNb	7	-	7	5
Birr Castle	1024.1	*	NW	2	o+	56	75	7	4000	St.Cu	9	-	9	•
Holyhead	1020.5	+2	WNW	5	o+	53	85	8	4000	St.Cu	10	-	10	4
Liverpool (Bidston)	1017.5	0	W	6	c	53	75	8	1500	Nb	8	-	8	5
Chester (Shotwick)	1018.1	0	WNW	7	o	55	75	4	1500	St.	10	-	10	•
Spurn Head	1010.2	+1	WNW	7	c	55	75	7	4000	Cu	8	-	8	5
Birmingham (Edgbaston)	1017.1	-1	NW	7	bc	55	75	7	4000	St.Cu	5	-	5	•
Nottingham	1015.9	+1	NW	5	o+	55	65	7	1500	St.Cu	10	-	10	•
Cranwell	1015.1	0	WNW	5	o	54	75	7	2500	St.Cu	10	-	10	•
Gorleston	1013.3	+1	NW	4	o	56	75	6	4000	St.Cu	10	-	10	1
Valencia (Cahirciveen)	1028.1	0	NNW	4	c+	54	75	7	1500	St.Cu	7	-	7	3
Roches Point	1025.1	0	NW	5	b+	56	85	8	–	–	0	Ci	3	3
Pembroke (St. Ann's H.)	1022.2	0	W'N	3	bc	55	85	8	-	-	0	Ci.st	4	4
Ross-on-Wye	1018.7	0	NW	5	c+	57	65	8	4000	St.Cu	7	-	7	•
Benson	1016.9	+2	NW	4	o+	59	65	8	2500	St.Cu	9	-	9	•
Andover	1017.6	+1	NW	5	c-	59	75	8	4000	St.Cu	6	Ci	8	•
S. Farnborough	1016.5	+2	WNW	5	c-	61	45	8	2500	St.Cu	8	-	8	•
London (Kew Obsy.)	1016.2	+3	NW	3	c+	62	55	8	4000	St.Cu	5	Ci.st	7	•
Croydon	1016.1	+3	NW'N	4	c	61	55	8	4000	St.Cu	8	-	8	•
Clacton-on-Sea	1014.6	+2	WNW	5	o+	59	65	7	2500	St.Cu	10	-	10	3
Shoeburyness	1015.3	+4	NW	4	o+	59	55	8	4000	St.Cu	9	-	9	•
Grain	1015.5	+4	NNW	5	o+	59	55	8	4000	St.Cu	9	-	9	3
Lympne	1014.5	+2	N'W	5	c	61	65	8	4000	St.Cu	5	Ci.st	8	•
Scilly (St. Mary's)	1024.9	-1	NW'W	6	o	55	92	6	2500	St	10	-	10	6
Falmouth (Pendennis)	1022.6	-1	NW	4	b	56	85	8	5700	Cu	3	-	3	0
Plymouth (Cattewater)	1021.6	-1	NW	5	b-	60	75	8	5700	Cu	1	-	1	0
Portland Bill	1018.1	-?	WSW	5	o	59	75	7	2500	Cu	2	Ci.st	9	4
Southampton (Calshot)	1017.1	-2	NW'N	6	o+	61	65	8	2500	Cu	2	Ci.st	9	3
Dungeness	1014.5	-1	NNE	4	bc+	65	55	7	4000	Cu	6	-	6	4
Jersey	1021.2	-1	NW	4	o	57	85	6	1500	St.	10	-	10	3

LONDON OBSERVATIONS. (Weather and 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)	ocoy	oybccy	cyo.o	•	•	50	–	–	8.0	•	•
Croydon (24 hours ended 0700)	omy	obcyc	co.o	•	•	50	–	–	9.0	•	•
Greenwich (Royal Obsy.)	oc	cbc	bco	72	51	49	–	–	6.8	51	69
City (Bunhill Row)	•	•	•	•	•	•	•	•	7.3	•	•
Westminster (St. James' Pk.)	•	•	•	72	52	50	–	–	8.0	50	68
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	7.3	•	•
Camden Square	coc	cbc	•	73	51	50	–	–	•	•	69
Kensington Palace	bcc	bc	•	71	51	49	–	–	•	52 (18h)	68
Hampstead Observatory	•	•	•	70	50	46	–	–	7.6	•	73

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 13th.

South Kensington

Max.	Time.	Min.	Time.
–	–	–	–

Kew Observatory

Max.	Time.	Min.	Time.
0.3	13th 7h	<0.3	13th 7-16h.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 13th 21 h. 45 m. to 14th 02 h. 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	4.30	0.0	–
δ Ursæ Minoris	4.30	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 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 or roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	C	6	–	160
18h.	C	6	–	5
6th.	C	5	–	15
7th.	C.C	6	–	140

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 14th & 15th June, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.31 3.31	11.53 11.53	8.14 8.15
Greenwich	3.44 3.44	12.0 12.0	8.16 8.16
Wick	3.4 3.4	12.12 12.12	9.14 9.14
Valencia	4.22 4.22	12.41 12.41	8.59 9.0

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.
s 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.

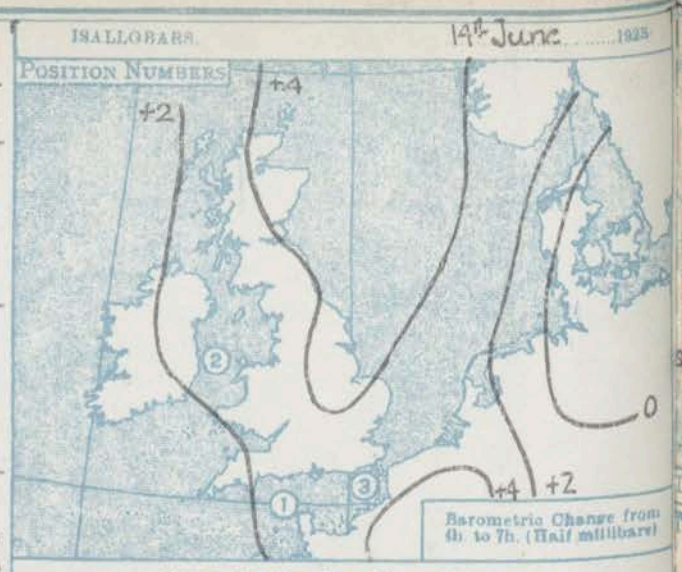
SEA DISTURBANCE.
0 = no swell }
1 = mod. swell } Calm or slight sea.
2 = heavy swell }
3 = no swell }
4 = mod. swell } Moderate sea.
5 = heavy swell }
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

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 4.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 13th	13h.-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	omd	omd	omd	bcq	50	40	•	0.3	1	<0800	<2100	0.1
Stornoway	p	oo	c	oo	53	43	•	0.5	–	–	–	7.1
Wick	orrmq	orrq	orr	cp.q	52	43	•	1	1	0900	<2100	•
Castlebay	obcom	ocopm	omp	opo	53	47	•	0.4	1	–	–	3.5
Nairn	cpgq	cqq	cqbc	bc	57	45	•	1	–	1100	–	2.8
Aberdeen	bccoq	oqpor	oqp.	bcqp.	57	44	40	0.1	trace	1630	<2100	5.5
Malin Head	c	c	c	cop.r	53	47	•	–	0.2	–	0430	3.4
Renfrew	oqp.	oo	ocbb	b'b	56	43	34	trace	–	–	–	3.5
Edinburgh (Inchkeith)	c	oo	b	c	56	46	42	–	–	–	–	7.3
Leuchars	cqoy	coqy	oqyc	cbc	61	45	34	–	–	–	–	7.0
Eskdalemuir	opro	oo	ococ	cbc	55	40	34	trace	–	<0800	–	3.6
Tynemouth	o	cmq	om	c	60	45	40	–	–	–	–	•
Blacksod Point ...	o	c	c	c	56	41	•	–	–	–	–	•
Donaghadee	cq	cq	bcpq	bc	55	47	•	–	trace	–	<2100	•
Birr Castle	co	co	co	co	61	48	46	–	–	–	–	10.0
Holyhead	ocoq	oo	oo	cbccq	55	50	48	–	–	–	–	7.6
Liverpool (Bidston) ...	ocq	ocq	c	cc	55	49	46	–	–	–	–	0.4
Chester (Shotwick) ...	ooqvo	ooq	oqo	ooprq	57	50	48	–	trace	–	0530	0.4
Spurn Head	ocqo	c	c	c	59	49	•	–	–	–	–	6.2
Birmingham (Edgbaston)	co	co	co	co	62	48	47	–	–	–	–	4.7
Nottingham	o	c	oc	c	60	49	45	–	–	–	–	2.7
Cranwell	obcc	bcco	bbccc	co	61	44	40	–	–	–	–	8.7
Gorleston	coq	oq	oo	ocbcq	67	50	47	0.5	–	0900	–	3.0
Valencia (Cahirciveen)	oidmc	cbcc	c	c	56	51	46	0.1	–	<0800	–	3.2
Roches Point	cb	b	oco	oc	62	51	*	–	–	–	–	*
Pembroke (St. Ann's H.)	o	bbc	c	c	58	50	•	–	–	–	–	8.9
Ross-on-Wye	ocbcq	bcq	cocbco	ocov	65	51	49	–	–	–	–	9.7
Benson...	oc	co	co	o	68	48	44	–	–	–	–	•
Andover	ocoy	oyc	co	ocbc	68	50	47	–	–	–	–	8.9
S. Farnborough ...	oy	oyoy	co	cow	72	50	49	–	–	–	–	8.3
London (Kew Obsy.)...	oboy	oybcoy	cyoo	oo	69	51	50	–	–	–	–	8.0
Croydon	omy	obcyc	co	o	70	51	50	–	–	–	–	9.0
Clacton-on-Sea ...	ogcbc	bcco	o	o	70	49	46	–	–	–	–	6.6
Shoeburyness... ...	omcbbc	c	oq	oc	71	50	50	–	trace	–	–	8.1
Grain	obcoc	bcoyo	oo	oo	70	51	50	–	–	–	–	7.8
Lympne	ocbcc	ocq	oo	oo	70	50	46	–	–	–	–	8.4
Scilly (St. Mary's) ...	omq	omq	bcb	c	57	50	•	–	–	–	–	0.0
Falmouth (Pendennis)	cobco	ocbc	bcb	bc	61	52	•	–	–	–	–	7.1
Plymouth (Cattewater)	odq	cbq	b	bo	62	50	52	trace	–	0900	–	7.4
Portland Bill	c	c	c	c	55	52	•	–	–	–	–	•
Southampton (Calshot)	c	c	b.bc	c	66	51	53	–	–	–	–	9.4
Dungeness	c	c	c	oo	73	53	•	–	–	–	–	•
Jersey	o	o	obw	bw	60	51	•	–	–	–	–	0.3



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
3	14th 0200	Arundel	N	4	bc	55	54	7

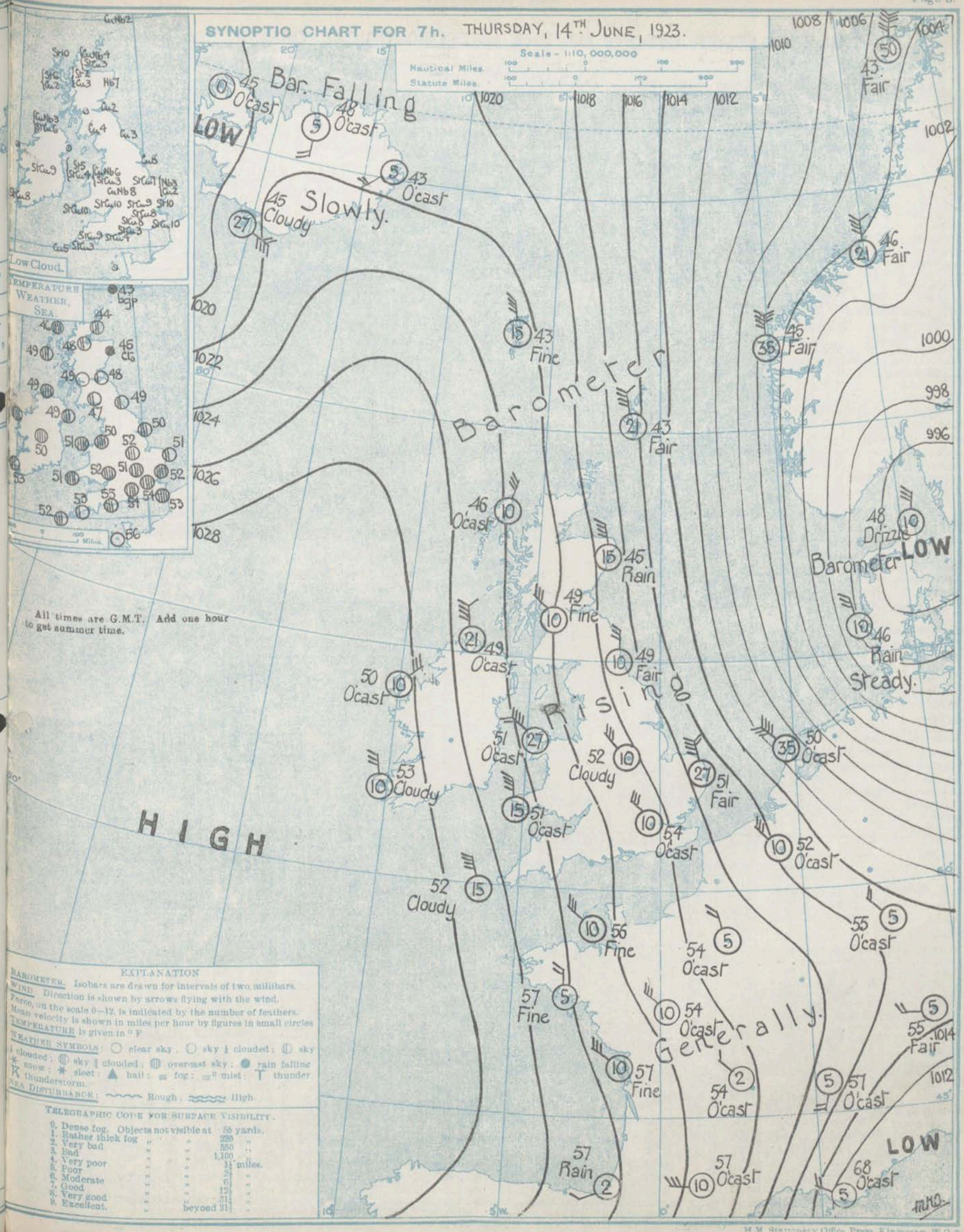
GENERAL INFERENCE.

A new depression is approaching Iceland and after a short spell of dry cool weather with northerly winds mild unsettled weather with southwesterly winds is likely again in the North and probably later on in the South.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday 14th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Fresh N. to NW. winds, moderating and backing later towards West; fine; visibility good; moderate temperature.	Unsettled in the North, no further outlook issued for the South. ------ ▽ South Coast still flying.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Moderate N. to NW. winds; backing towards W. later; fine; visibility good; cool.	
10. N.E. England 11. E. Scotland	Fresh N. to NW. winds; moderating later; varying amount of cloud, occasional showers in places at first, improving later; visibility good; rather cold.	
12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland ▽ 15. Hebrides	Moderate N. to NW. winds, backing to W. or SW. and freshening later; fair at first, less settled later; visibility good; rather cold.	
16. Orkneys and Shetlands	As 10 - 11.	
17. N.W. Ireland ▽ 18. N.E. Ireland	Moderate N. to NW. wind, backing to W. or SW. later; mainly cloudy, some rain later; visibility good; moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	Moderate N. to NW. winds, backing to W. or SW. later; fair at first, less settled later; visibility good; moderate temperature.	

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



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Thursday, 14th June.....1923. No. 165.

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. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1012.1	+4	NNW	5	od	44	85	6	4000	Nb	6	A.St	10	•
Stornoway	1020.8	+5	N	5	o	•	•	•	•	•	•	•	•	•
Wick	1015.8	+5	NNW	4	c/r	44	85	8	2500	Nb	4	A.St	7	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1022.8	+1	NNW	6	o	49	92	8	5700	StCu	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1017.2	+5	NNW	4	b-	49	75	9	-	StCu	1	-	1	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1015.2	+2	N	1	o	52	75	7	4000	StCu	10	-	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1022.0	+1	NNW	6	o	52	85	8	2500	StCu	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1015.0	+4	NW	6	o	57	85	7	4000	Cu	10	-	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1017.3	+2	W	3	o	47	92	6	4000	StCu	10	A.St	10	•
Gorleston	1014.5	+1	NNW	3	o	51	85	7	5700	StCu	10	-	10	•
Valencia (Cahirciveen)	1028.6	+2	NNW	3	c	51	92	9	•	St	8	-	8	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1023.7	+1	NNW	4	b	51	75	8	-	-	0	A.St	3	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	54	•	•	•	•	•	•	•	•
Croydon	1017.9	0	NNW	4	o	53	65	7	800	St	10	-	10	•
Cleton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness... ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1017.0	+1	NNW	4	o	50	83	7	2300	StCu	10	-	10	•
Scilly (St. Mary's) ...	1025.6	+1	NNW	4	b	52	85	7	-	-	0	-	0	•
Falmouth (Pendennis)	1024.2	0	NNW	3	b+	52	92	5	5700	StCu	3	-	3	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1020.3	+2	NW	2	b-	54	75	7	-	-	0	CiCu	2	•
Southampton (Calshot)	1019.4	0	NNW	4	c+	53	75	8	-	-	0	A.St	7	•
Dungeness	1017.0	+1	N	3	o	53	65	8	4000	Nb	10	-	10	•
Jersey 7h }														•
Guernsey 1h }														

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. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1016.3	+3	NNW	5	bjp	43	75	7	4000	CuNb	2	ACu	6	4
Stornoway	1024.0	+3	NNE	2	o	46	75	7	800	St	10	-	10	2
Wick	1019.3	+4	NNW	5	c	44	78	8	2500	CuNb	7	-	7	3
Castlebay	1025.1	+1	NNW	3	Cu	49	85	8	2500	St	8	-	8	3
Nairn	1027.1	•	WNW	3	bc-	48	65	8	1300	Cu	3	-	3	3
Aberdeen	1019.7	+4	NNW	4	cr	48	85	8	1500	Nb	7	-	7	3
Malin Head	1024.8	+2	NNW	5	o/r	49	92	8	5700	StCu	9	-	9	4
Renfrew	1022.0	+3	NW	3	b	49	75	8	-	-	0	CuSt	1	•
Edinburgh (Inchkeith)	1021.0	+4	NW	3	b-	48	75	8	-	Cu	2	CuSt	3	2
Leuchars	1020.3	+4	NNW	3	bc	48	65	8	4000	StCu	6	-	6	•
Eskdalemuir	1021.2	+3	N'N	4	bc+	47	75	7	2500	Cu	4	-	4	•
Tynemouth	1019.5	+3	N	3	bc	49	65	7	2500	Cu	3	ACu	6	2
Blacksod Point ...	1025.6	+1	NE	3	o	50	85	8	-	-	0	A.St	9	0
Donaghadee	1023.7	+3	N	4	c+	49	85	8	-	-	0	A.St	9	3
Birr Castle	1027.4	•	NW	2	o	50	92	6	2500	StCu	9	-	9	•
Holyhead	1023.3	+2	NW'N	6	o	51	85	8	2500	St	9	-	9	4
Liverpool (Bidston) ...	1021.7	+2	NNW	4	o	50	75	7	1500	CuNb	9	-	9	5
Chester (Shotwick) ...	1022.0	+2	NW	6	o/r	51	75	7	1500	StCu	9	-	9	•
Spurn Head	1018.5	+4	NNW	7	c	50	75	7	4000	Cu	8	-	8	4
Birmingham (Edgbaston)	1021.7	+2	NW	5	o	50	85	6	2500	StCu	10	-	10	•
Nottingham	1020.2	+4	NW	3	c	52	75	7	800	CuNb	8	-	8	•
Cranwell	1020.0	+4	NW'N	4	o	50	85	7	4000	StCu	7	ACu	9	•
Gorleston	1017.4	+2	NNW	6	bc-	51	65	7	2500	Nb	5	-	5	4
Valencia (Cahirciveen)	1028.8	+1	NNW	3	c	53	85	7	1500	StCu	8	-	8	3
Roches Point	1026.3	0	N.W.	4	c	53	85	8	4000	Sfu	2	Cu	8	0
Pembroke (St. Ann's H.)	1025.4	+2	NNW	4	o	51	65	8	4000	StCu	10	-	10	4
Ross-on-Wye	1022.2	+2	NW	3	o	52	65	9	4000	StCu	10	-	10	•
Benson...	1021.4	+4	NW	4	o	51	85	8	•	StCu	9	-	9	•
Andover	1021.5	+2	NNW	4	bc-	52	75	8	2500	StCu	3	CuSt	6	•
S. Farnborough ...	1020.7	+3	NW	3	o	54	92	8	2500	StCu	8	Cu	9	•
London (Kew Obsy.)...	1020.6	+3	NW	3	o	54	75	7	2500	StCu	8	ACu	10	•
Croydon	1020.1	+3	NNW	3	o	51	75	8	1500	Nb	8	A.St	10	•
Cleton-on-Sea ...	1018.7	+3	NNW	3	o	52	85	7	2500	St	10	-	10	0
Shoeburyness... ...	1019.6	+3	NNW	4	c-	53	75	8	4000	StCu	8	-	8	•
Grain	1019.5	+3	NNW	4	o	52	75	8	1500	StCu	10	-	10	0
Lympne	1018.9	+3	N'N	4	o	50	85	7	1500	St	10	-	10	•
Scilly (St. Mary's) ...	1026.6	0	NNW	4	c+	52	92	8	4000	Cu	3	ACu	8	4
Falmouth (Pendennis)	1026.0	+1	N'W	3	b-	53	75	8	5700	StCu	3	-	3	0
Plymouth (Cattewater)	1023.9	+1	NNW	5	o	53	75	8	2500	StCu	9	-	9	0
Portland Bill	1022.5	+4	NNW	4	c+	55	75	7	5700	StCu	4	A.St	6	4
Southampton (Calshot)	1021.6	+2	NW'N	5	bc	54	75	8	4000	StCu	3	ACu	6	0
Dungeness	1018.2	+2	N	4	o	53	75	8	4000	StCu	10	-	10	4
Jersey 7h }	1022.7	+1	NW	3	b	56	75	8	-	-	0	-	0	3
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 13th June 1923

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 12th	Temperature. Max. Day. 13th	Rainfall.† Night 17h.-9h. 12th-13th	Rainfall.† Day 9h.-17h. 13th	Sunshine. Sunrise to 17h. 13th	Sunshine. Sunrise to Sunset. 12th
			°F.	°F.	mm.	mm.	hr.	hr.
Montrose	*	*	53	63	-	-	7.1	0.3
Berwick-on-Tweed	ro	bc	55	61	1	-	8.9	0.7
Llandudno	oc	o	54	55	2	-	0.8	0.7
Colwyn Bay ...	c	c	54	57	3	-	0.8	3.3
Rhyl...	c	bcc	54	56	0.5	-	0.8	0.7
Southport	oco	oco	53	55	1	-	0.8	0.2
Blackpool	bc	o	53	57	1	0.2	2.5	0.3
Ilkley	cdc	bc	52	57	3	-	2.5	2.2
Harrogate	c	c	50	58	3	-	6.0	0.3
Skegness								
Aberystwyth ...	roc	b	53	56	0.5	-	2.5	0.5
Bath	ocbc	cbcb	52	67	-	-	6.4	3.3
Leamington Spa ...	oc	b	52	65	-	-	3.4	2.4
Lowestoft	oc	co	51	65	6	-	3.4	4.0
Felixstowe	obc	bco	52	63	2	-	5.2	5.5
Southend	cbc	bco	51	71	3	-	4.5	5.5

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 12th	Temperature. Max. Day. 13th	Rainfall.† Night 17h.-9h. 12th-13th	Rainfall.† Day 9h.-17h. 13th	Sunshine. Sunrise to 17h. 13th	Sunshine. Sunrise to Sunset. 12th
			°F.	°F.	mm.	mm.	hr.	hr.
Ilfracombe	ocbc	bcco	53	56	1	-	5.4	2.2
Bude	ro	gbcc	53	60	4.1	-	4.0	4.9
Penzance	o	om	53	59	0.5	-	*	*
Paignton	bccq	cbcqb	56	67	-	-	8.5	6.2
Torquay	b	b	54	68	-	-	9.9	5.7
Weymouth	bc	o	55	70	-	-	8.3	2.7
Bournemouth ...	cb	bbc	54	68	-	-	3.5	4.8
Portsmouth (S'thsea)	bcb	bb	55	68	-	-	8.0	6.7
Worthing	cbc	bc	53	70	1	-	7.6	6.5
Brighton	c	b	55	72	-	-	4.5	6.5
Eastbourne... ...	bco	bb	53	70	0.5	-	9.1	8.9
Hastings	bcc	cbcb	52	71	2	-	9.3	7.3
Folkestone	bc	bc	51	71	5	-	7.5	8.9
Tunbridge Wells ...	bco	bc	51	71	3	-	8.5	6.0
Ramsgate	bbc	bb	51	69	2	-	7.2	7.2
Margate	oc	bbcb	52	64	-	-	5.7	6.0
Deal	ob	bc	51	71	-	0.1	6.0	7.3

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* 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. B22485 FRIDAY, 15TH JUNE 1923. Page 1.

Observations at 1300 G.M.T. 14th / Observations at 1800 G.M.T. 14th

STATIONS.	13h Barom. at M.S.L. m.b	13h Change in 3 Hours.‡	13h Wind Direc.	13h Wind Force 0-12	13h Weather.	13h Temp. °F.	13h Humidity. %	13h Visibility.§ 0-9	13h Cloud Low Height Feet	13h Cloud Low Form	13h Cloud Low Amt. 0-10	13h Upper Form.	13h Total Amt. 0-10	13h State of Ground.	18h Barom. at M.S.L. m.b	18h Change in 3 Hours.‡	18h Wind Direc.	18h Wind Force 0-12	18h Weather.	18h Temp. °F.	18h Humidity. %	18h Visibility.§ 0-9	18h Cloud Low Height Feet	18h Cloud Low Form	18h Cloud Low Amt. 0-10	18h Upper Form.	18h Total Amt. 0-10	Sea. 0-9
Lerwick	1017·8	+1	NNW	6	c+	45	65	7	-	-	0	ACu	8	•	1017·5	0	NNW	6	o	44	75	6	5700	St.Cu	5	A.St	10	5
Stornoway	1024·7	+1	NNE	3	c-	49	75	7	800	St	7	-	7	•	1023·3	-1	NNE	3	b	48	75	8	4000	Cu	3	-	3	2
Wick	1021·4	+2	NNW	3	c	47	75	8	4000	Cu	7	-	7	•	1021·3	-1	NNW	4	c	45	75	8	4000	Cu	4	Ci	7	3
Castlebay	1025·6	0	NNW	3	bc	49	75	8	4000	St	6	-	6	•	1024·2	-1	WNW	3	o	48	75	8	2500	St.	10	-	10	3
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1021·9	*	E	4	bc	50	75	8	4000	Cu	3	A.Cu	6	•
Aberdeen	1022·0	+2	NNW	5	b	50	55	8	2500	Cu	3	-	3	0	1021·8	-1	NNW	4	b	49	65	8	-	-	0	A.Cu	1	3
Malin Head	1025·7	+1	NW	3	c-	51	85	9	4000	CuNb	4	CiCu	7	•	1024·4	-2	NW	2	o	49	92	9	4000	St.Cu	9	-	9	1
Renfrew	1022·8	0	W	2	bc	59	55	8	5700	Cu	3	Ci	4	0	1021·7	-2	NW	4	c⊕	55	55	8	-	-	0	Ci	8	•
Edinburgh (Inchkeith)	1021·9	0	N	2	bc	55	55	8	*	Cu	4	-	4	•	1021·0	-1	E	3	c+	53	75	8	-	-	0	A.Cu	7	2
Leuchars	1021·6	0	NNW	3	c+	56	45	9	2500	Cu	6	ASt	8	0	1020·9	-1	SE	3	bc+	51	~~85~~ 65	~~6~~ 8	7200	St.Cu	5	-	5	•
Eskdalemuir	1021·8	+1	NW'N	3	bc	57	55	7	4000	Cu	6	-	6	0	1020·7	-1	W'N	4	c⊕	54	65	7	4000	St.Cu	4	Ci.St	8	•
Tynemouth	1021·8	+1	NNE	3	b	50	75	7	4000	Cu	2	-	2	•	1021·3	0	NNE	2	b	50	65	8	800	St	2	Ci	3	2
Blacksod Point	1027·9	0	N	3	o-	53	85	8	*	CuNb	9	-	9	•	1025·7	-3	W	2	mo+	50	92	6	*	Nb	10	-	10	1
Donaghadee	1024·9	0	N	3	b-	55	75	8	-	-	0	CiSt	2	•	1023·8	-1	N	3	c+	52	85	8	1500	St.	1	A.St	8	2
Birr Castle	1027·2	*	NW	1	o	56	75	8	4000	StCu	9	-	9	•	1024·9	*	NW	1	c-	60	97	6	4000	St.Cu	8	-	8	•
Holyhead	1025·5	+1	NW'N	4	bc	52	75	8	4000	Cu	1	Ci	6	0	1024·7	-2	-	0	o+	52	75	9	2500	Cu	1	A.Cu	9	0
Liverpool (Bidston)	1023·6	+1	WNW	4	bc	53	65	8	2500	Cu	4	Ci	5	•	1023·1	-1	WNW	3	bc	53	65	7	2500	St.Cu	5	-	5	3
Chester (Shotwick)	1023·9	+1	WNW	6	c-	56	~~75~~ 65	~~7~~ 8	4000	StCu	6	Ci	7	0	1023·6	-1	NW'W	4	bc	53	65	9	2500	Cu	6	-	6	•
Spurn Head	1021·0	+2	N	6	bc	53	75	8	4000	Cu	3	CiSt	5	•	1022·2	0	NNE	4	o+	49	85	8	-	-	0	Ci	9	4
Birmingham (Edgbaston)	1022·6	+1	NW	4	bc	57	65	7	3700	Cu	5	-	5	0	1022·5	-1	NW	4	b-	55	65	7	5700	Cu	2	-	2	•
Nottingham	1021·7	0	NNE	2	c	58	55	7	1500	Cu	2	ACu	7	•	1021·5	0	NW	2	bc-	58	65	6	1500	CuNb	6	-	6	•
Cranwell	1022·5	+2	NW'W	4	c	56	65	8	2500	StCu	7	-	7	0	1022·6	0	ENE	3	o+	54	75	8	2500	St.Cu	9	-	9	•
Gorleston	1020·8	+2	NNW	5	c/r	54	65	7	5700	CuNb	8	-	8	•	1021·2	+1	NW'N	4	b	53	55	7	-	-	0	Ci.Cu	2	4
Valencia (Cahirciveen)	1029·2	-1	NW	3	bc-	57	75	8	1500	Cu	4	-	4	0	1027·9	-2	W'N	2	o+	54	85	7	4000	St.Cu	4	ASt	10	0
Roches Point	1027·3	0	NW	3	bc	62	75	9	4000	Cu	6	-	6	•	1025·7	-1	NW	1	bc	60	85	9	4000	St.Cu	9	A.Cu	5	0
Pembroke (St. Ann's H.)	1026	+1	NNW	3	c	55	65	8	4000	StCu	7	-	7	•	1026·1	-1	NNW	2	c	52	85	8	-	-	0	A.St	7	3
Ross-on-Wye	1023·3	+1	NNW	2	bc-	58	55	9	4000	StCu	4	Ci	6	0	1022·6	-1	N'W	2	bc-	60	55	9	4000	St.Cu	5	-	5	•
Benson	1022·8	+1	NW	4	o	57	65	7	*	St.Cu	10	-	10	0	1022·5	0	NW	3	bc-	59	65	7	4000	Cu	3	Ci	4	•
Andover	1023·3	+1	NNW	3	o+	56	75	8	4000	StCu	10	•	10	0	1022·4	-1	NW	3	bc-	60	65	8	4000	Cu	2	Ci	5	•
S. Farnborough	1022·7	+2	WNW	3	o	58	75	7	2500	StCu	9	•	9	0	1021·9	0	NW	3	bc-	60	65	8	4000	Cu	5	Ci	6	•
London (Kew Obsy.)	1022·4	+2	W'N	1	o	59	55	8	2500	StCu	8	ACu	9	0	1022·0	-1	NNW	2	bc-	61	55	7	4000	Cu	2	A.Cu	4	•
Croydon	1022·0	+2	N'W	3	o	58	55	8	4000	StCu	9	-	9	0	1021·9	0	NW	2	c	59	55	7	4000	Cu	7	-	7	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1022·2	+1	N	3	b-	57	55	7	1500	Cu	3	-	3	0
Shoeburyness	1022·0	+4	NNW	3	o	58	55	8	4000	Cu	9	-	9	*	1022·1	0	NW	1	bc-	58	55	8	-	-	0	A.Cu	4	•
Grain	1022·0	+3	NNW	3	o	57	65	8	4000	StCu	9	-	9	0	1022·0	0	NE	3	o+	58	55	7	4000	St.Cu	9	-	9	0
Lympne	1021·8	+1	N	3	o-	55	75	8	2500	Cu	9	-	9	0	1022·2	0	SE	2	c	51	85	7	4000	St.Cu	8	-	8	•
Scilly (St. Mary's)	1027·4	+1	NNW	4	c	58	75	8	4000	StCu	8	-	8	•	1027·6	0	NW'N	3	bc-	57	85	8	4000	Cu	5	-	5	3
Falmouth (Pendennis)	1027·5	+1	N	4	bc+	56	65	8	5700	StCu	6	-	6	•	1027·4	0	N	4	b-	54	65	8	5700	Cu	2	-	2	0
Plymouth (Cattewater)	1025·4	+1	NNW	5	bc	56	65	8	4000	StCu	5	-	5	0	1024·8	0	NNW	3	bc	55	75	8	4000	St.Cu	5	-	5	0
Portland Bill	1023·5	?	NW	2	o	57	75	7	4000	StCu	9	-	9	•	1023·4	-2	W	2	bc-	57	75	7	2500	St.Cu	6	-	6	4
Southampton (Calshot)	1023·6	+1	NNW	3	c-	59	65	8	4000	StCu	8	-	8	0	1022·6	-2	NW	3	bc-	61	55	8	4000	St.Cu	5	Ci.St	6	0
Dungeness	1022·0	+3	NNE	4	c	60	55	7	4000	Cu	8	-	8	•	1022·0	0	S	2	c	54	85	8	4000	CuNb	8	-	8	3
Jersey	1024·7	+1	N	3	o	58	65	8	4000	St.Cu	10	-	10	•	1024·7	0	WNW	3	o	57	65	8	4000	St.Cu	10	-	10	3

LONDON OBSERVATIONS.	Weather Morning (24 hours ended 0900 G.M.T. 15th)	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 8h. G.M.T. % (To-day)
Kew (24 hours ended 0700)	ocy	oycboy	bcyom	•	•	45	-	-	5·1	•	•
Croydon (24 hours ended 0700)	ooy	ocy	cozyo	•	•	44	-	-	4·4	•	•
Greenwich (Royal Obsy.)	oc	co	obo	63	44	36	-	-	3·0	62	64
City (Bunhill Row)	•	•	•	•	•	•	•	•	3·0	•	•
Westminster (St. James' Pk.)	•	•	•	63	49	45	-	-	3·5	58	64
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	3·6	•	•
Camden Square	oco	c	•	62	48	45	-	-	•	•	64
Kensington Palace	cbc	cbc	•	61	49	44	-	-	•	57 (18h)	65
Hampstead Observatory	•	•	•	60	45	38	-	-	4·2	•	64

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

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

Kew Observatory Max.	Time.	Min.	Time.
0·3	7h. 14th	<0·3	rest of day
0·3	15h. 14th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 14th 21 h. 45 m. to 15th 02 h. 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	4.30	1.10	26
δ Ursae Minoris	4.30	1.02	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 (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 (frozen roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	6	-	160
18h.	C	6	-	155
01h.	C_1C_2	6	-	40
07h.	C_1C_2	6	-	80

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 15th & 16th June, 1923

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.31 / 3.31	11.53 / 11.53	8.15 / 8.15
Greenwich	3.44 / 3.44	12.0 / 12.0	8.16 / 8.16
Wick	3.7 / 3.7	12.12 / 12.12	9.17 / 9.18
Valencia	4.22 / 4.22	12.41 / 12.41	9.0 / 9.0

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_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.

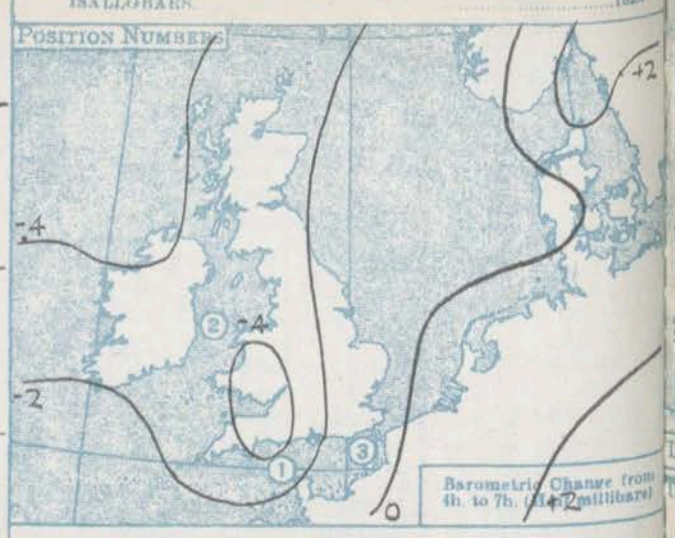
SEA DISTURBANCE.
0 = no swell, 1 = mod. swell, 2 = heavy swell } Calm or slight sea.
3 = no swell, 4 = mod. swell, 5 = heavy swell } Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

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. 14	13h.-18h. 14	18h. 14 to 19h. 15	19h.-7h. 15	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. 14 Hours.
Lerwick	cq	oq	bc	bcp	49	41	.	Trace	2	L0800	<2100	12.6
Stornoway	c	b.bc	bbc	oo	50	34	.	-	-	-	?	14.2
Wick	c	c	oo	oo	48	36	.	-	-	-	-	.
Castlebay	oc	co	ob	obdf	50	46	.	.	1	.	-	10.4
Nairn	bcq	bcq	bcq	bccq	55	32	.	-	-	.	-	10.8
Aberdeen	p.bcq	bcbq	bbcc	cbbcc	51	34	25	Trace	-	L0800	-	12.0
Malin Head	cov	cov	v.r co	or Dd	51	45	.	-	1	.	<2100	7.6
Renfrew	bcy	bcy	co	oom	60	34	24	.	0.6	.	0530	7.8
Edinburgh (Inchkeith)	bc	bc	c	oo	54	42	34	.	-	.	-	13.3
Leuchars	bcyev	cvybc	bcb	bbcco	60	34	20	.	-	.	-	12.5
Eskdalemuir	bc	bcybc	co	co	60	30	25	.	-	.	-	11.6
Tynemouth	b-bc	bbc	oo	c	51	45	41	.	-	.	-	.
Blacksod Point ...	c	f-d	b	b	56	45	.	2	10	.	-	.
Donaghadee	bc	bcv	o	o	55	47	.	.	0.1	.	0530	.
Birr Castle	co	co	ovvo	ovvo	61	49	47	.	3	.	<2100	4.5
Holyhead	ocbc	bccov	oo	or	55	51	50	.	Trace	.	0630	8.5
Liverpool (Bidston) ...	obc	b.bc	oo	oo	56	49	46	.	-	.	-	10.6
Chester (Shotwick) ...	c	ccv	bcvco	oom	57	48	44	.	-	.	-	5.6
Spurn Head	c	bbc	oo	oo	53	46	.	-	-	.	-	10.0
Birmingham (Edgbaston)	oc	cbc	bc	co	59	47	43	.	-	.	-	6.1
Nottingham	c	c	oo	oo	60	44	40	.	-	.	-	4.7
Cranwell	c	bcco	oo	c	58	41	37	.	-	.	-	0.4
Gorleston	bcqcq	cqbcq	bbcc	bc	55	43	42	.	-	.	-	7.0
Valencia (Cahirciveen)	cbc	bcbo	mif	ornf	57	53	52	.	6	.	<2100	6.8
Roches Point	cbc	bc	od	od	64	53	-	0.6				
Pembroke (St. Ann's H.)	c	c	c	b	56	50	.	-	1	.	0230	7.5
Ross-on-Wye	ovcv	cvy	~~cbovc~~	b.oo	61	49	45	.	-	.	-	4.0
Benson...	o	ocbc	co	o	62	41	33	.	-	.	-	.
Andover	bcco	ocbc	bcco	oo	61	45	41	.	-	.	-	7.5
S. Farnborough ...	o	ocobc	bcb	bco	63	45	37	.	-	.	-	6.3
London (Kew Obsy.) ...	ocoy	oycbcy	bcyom	oo	61	49	45	.	-	.	-	5.1
Croydon	ooy	ocy	coy	o3	61	47	44	.	-	.	-	4.4 5
Clacton-on-Sea ...	ocy	cbcy	boy	bcc	60	48	43	.	-	.	-	7.6
Shoeburyness	oy	oybcy	bybcm	bcmbc	61	45	34	.	Trace	.	-	5.4
Grain	oco	ocbco	ocbcc	coc	60	47	44	.	-	.	-	4.8
Lympne	or	oc	cbo	owc	58	45	41	Trace	Trace	L0800	-	3.4
Scilly (St. Mary's) ...	c	cbc	bc	bcffr	59	49	.	-	2	.	0330	7.3
Falmouth (Pendennis)	bc	bc	bcco	cobco	58	49	.	-	3	.	0330	8.9
Plymouth (Cattewater)	obc	bcbcc	bcbo	do	58	48	50	.	-	.	-	10.4
Portland Bill	c	c	c	c	58	51	.	.	-	.	-	.
Southampton (Calshot)	c	c	c	oo	62	49	48	.	-	.	-	4.1
Dungeness	c	c	oo	oo	61	48	.	.	-	.	-	.
Jersey	bco	oco	o	o	60	47	.	.	-	.	-	5.4



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	14th 10h	Scotia	NW	5	c	52	50	
1	14th 11h	Ibex	NW	4	o+	55	54	
3	15th 2h	Dieppe	WNW	1	o	54	54	

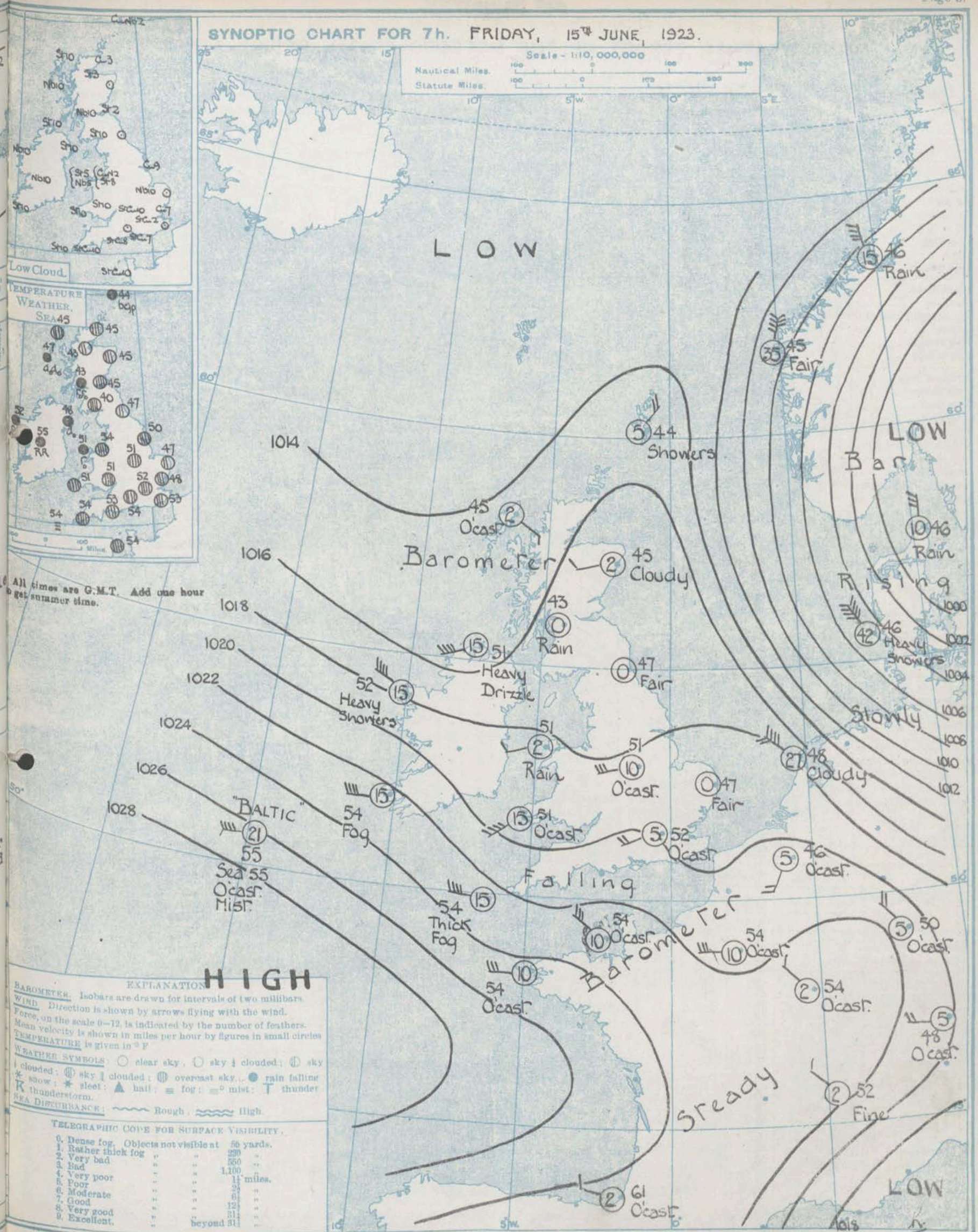
GENERAL INFERENCE.

The depression near Iceland will continue to spread across these islands causing cloudy weather generally with south-westerly winds. Rain is probable in the West and North, heavy in places, but over Eastern England fair weather is likely to last out the day.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 15th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light to moderate southwesterly winds, probably freshening later; cloudy, a risk of rain later; visibility mainly good; moderate temperature.	Unsettled in the West and North, no further outlook is issued for Southern England.
5. S.W. England 6. South Wales	Moderate southwesterly winds, probably freshening later; cloudy, some rain or drizzle; visibility poor at times; 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	Moderate SW. wind, freshening; cloudy, some rain, heavy in places; visibility poor at times; moderate temperature.	

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



All times are G.M.T. Add one hour to get summer time.

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION.....FRIDAY 15th JUNE.....1923. No. 165...

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. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1016.8	-1	NW	2	bjb	41	85	6	4000	CuNb	1	ASt	2	.
Stornoway	1020.7	-3	–	0	b	.	.	9	.	.	.	.	.	.
Wick	1019.1	-3	NNW	2	0	38	92	8	4000	Cu	1	CiSt	9	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	1019.7	-4	S	1	0	47	92	9	–	–	0	CiSt	10	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	1018.7	-1	ESE	3	0	46	85	8	–	–	0	ACu	9	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	1020.9	-1	–	0	0	46	75	7	2500	Nb	10	–	10	.
Blacksod Point ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dousghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	1021.5	-2	NW	2	0	51	92	8	2500	StCu	10	–	10	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	1020.9	-3	NW	2	0	47	85	7	800	St	10	–	10	.
Birmingham (Edgbaston)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nottingham	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	1021.8	-2	SES	1	0	49	97	8	2500	Cu	3	ASt	10	.
Gorleston	1021.3	-1	N'N	1	0	48	85	7	–	–	0	ASt	7	.
Valencia (Cahirciveen)	1024.2	-3	WSW	2	mo	53	97	6	–	St	10	–	10	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Fembroke (St. Ann's H.)	1022.6	-2	SW	4	0	52	92	8	4000	StCu	10	–	10	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover		.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...		.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.) ...		.	.	.	.	52	.	.	.	.	.	.	.	.
Croydon	1021.5	-1	W	2	0	48	75	6	800	St	10	–	10	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	1022.3	-1	SSE	3	0	47	85	7	4000	St	10	–	10	.
Scilly (St. Mary's) ...	1021.0	-1	W'N	2	b	51	85	8	5/00	StCu	2	–	2	.
Falmouth (Pendennis)	1021.9	-1	W	3	0	51	85	8	5/00	StCu	10	–	10	.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	1022.9	0	WNW	1	0	53	85	7	–	–	0	ASt	10	.
Southampton (Calshot)	1022.3	-1	NNW	3	0	53	75	8	4000	StCu	10	–	10	.
Dungeness	1021.3	-3	S	3	0	50	85	8	–	–	0	ASt	10	.
Jersey 7h } ... ... Guernsey 1h }														

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. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1015.0	-3	NE	2	bjb	44	75	8	4000	CuNb	2	ACu	6	0
Stornoway	1014.2	-4	SE	1	0	45	92	7	800	St	10	–	10	0
Wick	1015.2	-4	E	1	c	45	75	8	5/00	Cu	3	CiCu	8	0
Castlebay	1014.2	-4	SSE	4	od	47	97	8	800	Nb	10	–	10	4
Nairn	1015.8	.	–	0	bc	43	85	8	1500	St	3	ACu	6	.
Aberdeen	1014.2	-2	W	1	c	45	75	7	–	–	0	ACu	8	0
Malin Head	1014.5	-5	WSW	4	oDD	51	97	7	800	St	10	–	10	1
Renfrew	1014.0	-3	–	0	or	43	92	5	2500	Nb	10	–	10	.
Edinburgh (Inchkeith)	1016.6	-2	WNW	1	0	45	85	8	–	St	2	ACu	10	1
Leuchars	1016.4	-3	ESE	3	0	47	75	8	4000	StCu	3	ACu	9	.
Eskdalemuir	1014.5	-2	–	0	0	40	92	7	4000	St	10	–	10	.
Tynemouth	1014.9	-2	–	0	bc	47	75	6	–	–	0	ACu	5	1
Blacksod Point ...	1016.0	-2	NW	4	oPR	52	97	7	–	Nb	10	–	10	4
Dousghadee	1014.4	-2	S	1	od	48	97	8	2500	St	10	–	10	2
Birr Castle	1018.6	.	S	1	oRR	55	97	6	1500	Nb	10	–	10	.
Holyhead	1018.1	-3	WS	1	or	51	89	7	2500	St	10	–	10	0
Liverpool (Bidston) ...	1014.6	-3	W	1	0	54	75	6	1500	St	10	–	10	2
Chester (Shotwick) ...	1018.0	-4	SSE	2	0	51	85	6	7/200	StCu	10	–	10	.
Spurn Head	1018.0	-3	SSW	2	0	50	75	6	4000	Cu	9	–	9	3
Birmingham (Edgbaston)	1018.9	-2	WSW	3	0	50	85	8	5/00	StCu	10	–	10	.
Nottingham	1018.2	-2	WSW	3	0	51	85	7	2500	Nb	10	–	10	.
Cranwell	1019.2	-2	WSW	3	c	51	75	6	4000	St	4	CiSt	7	.
Gorleston	1019.2	-2	–	0	bc	47	75	6	–	–	0	ACu	5	0
Valencia (Cahirciveen)	1022.1	-2	W	4	fo	54	97	3	220	St	10	–	10	–
Roches Point	1019.4	-1	W	3	0	56	97	8	4000	StCu	10	–	10	0
Fembroke (St. Ann's H.)	1019.8	-2	SW	4	0	51	97	7	1500	St	10	–	10	4
Ross-on-Wye	1019.3	-3	SSW	1	0	51	85	7	2500	St	10	–	10	.
Benson	1019.8	-2	WSW	2	0	53	85	7	–	StCu	10	–	10	.
Andover	1020.4	-1	WS	2	0	52	85	8	5/00	StCu	10	–	10	.
S. Farnborough ...	1020.0	-1	W	1	0	54	75	7	–	–	0	ACu	9	.
London (Kew Obsy.) ...	1020.0	-1	WSW	2	0	52	85	7	4000	StCu	2	ASt	10	.
Croydon	1020.3	-1	W'N	2	0	51	75	7	7/200	StCu	8	ASt	10	.
Clacton-on-Sea ...	1019.0	-1	NW	3	c	48	92	6	4000	Cu	7	–	7	0
Shoeburyness	1019.5	0	NNW	3	bc	51	75	7	–	–	0	ASt	4	.
Grain	1019.4	-1	WNW	3	c	51	75	7	2500	Cu	1	ACu	8	0
Lympne	1019.6	-1	WNW	3	0	48	85	6	7/200	StCu	9	–	9	.
Scilly (St. Mary's) ...	1022.4	-2	W'N	4	fo	54	97	1	450	St	10	–	10	5
Falmouth (Pendennis)	1021.6	-5	W	3	0	54	92	8	4000	StCu	10	–	10	0
Plymouth (Cattewater)	1021.1	-3	WSW	4	0	53	92	7	1500	St	10	–	10	0
Portland Bill	1022.6	-4	NW	3	c	53	75	7	1500	StCu	8	–	8	3
Southampton (Calshot)	1020.7	-1	W'N	3	0	53	75	7	7/200	StCu	7	ACu	10	0
Dungeness	1019.8	-1	NW	3	c	53	65	8	–	–	0	ACu	8	3
Jersey 7h } ... ... Guernsey 1h }	1022.6	0	NW	3	0	54	75	8	2500	StCu	10	–	10	3

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 13-14 °F.	Temperature. Max. Day. 14 °F.	Rainfall.† Night 17h.-9h. 13-14 mm.	Rainfall.† Day 9h.-17h. 14 mm.	Sunshine. Sunrise to 17h. 14 hr.	Sunshine. Sunrise to Sunset. 13 hr.
Montrose	–	–	44	57	–	–	10.4	8.5
Berwick-on-Tweed	mbcb	b	46	60	0.1	–	10.5	10.4
Llandudno	cb	bccb	49	55	–	–	7.9	0.9
Colwyn Bay ...	c	bc	49	56	–	–	6.3	0.8
Rhyl	c	bc	50	55	–	–	3.4	0.8
Southport	b	b	50	56	–	–	11.0	0.8
Blackpool	bcc	bc	50	57	–	–	10.0	2.6
Ilkley	bcbbc	b	46	63	–	–	11.0	2.6
Harrogate	bcb	cbc	43	59	–	–	10.0	6.9
Skegness	o	b	47	53	–	–	7.1	5.8
Aberystwyth ...	occ	b	50	56	–	–	4.5	2.5
Bath	oc	ocbc	52	62	–	–	2.9	7.6
Leamington Spa ...	cbc	bo	47	61	–	–	2.3	4.9
Lowestoft	oc	cbc	49	53	–	–	5.6	3.4
Felixstowe	oco	ocb	49	59	–	–	5.4	3.2
Southend	oco	bc	51	61	–	–	5.8	8.2

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 13-14 °F.	Temperature. Max. Day. 14 °F.	Rainfall.† Night 17h.-9h. 13-14 mm.	Rainfall.† Day 9h.-17h. 14 mm.	Sunshine. Sunrise to 17h. 14 hr.	Sunshine. Sunrise to Sunset. 13 hr.
Ilfracombe	oc	cbcc	52	57	–	–	2.0	6.3
Bude	oc	bc	52	57	–	–	5.4	6.3
Penzance	bc	bc	51	60	–	–	?	?
Paignton	bcq	bcco	52	62	–	–	9.0	10.4
Torquay	b	b	52	63	–	–	8.7	11.6
Weymouth	c	c	51	67	–	–	5.6	9.4
Bournemouth ...	bc	bcc	51	63	–	–	6.0	6.3
Portsmouth (S'thsea)	bco	bc	53	61	–	–	6.0	9.5
Worthing	bc	bc	52	62	–	–	9.2	9.2
Brighton	b	bbc	58	66	–	–	9.4	9.3
Eastbourne	bc	bc	52	64	–	–	5.9	10.3
Hastings	ocbc	cbcco	51	61	–	–	5.1	10.4
Folkestone	c	c	51	65	–	–	3.8	7.7
Tunbridge Wells ...	oc	cbc	50	61	–	–	1.9	9.1
Ramsgate	cbcb	bbc	50	65	–	–	5.7	8.1
Margate	oc	b	51	56	–	–	4.8	7.1
Deal	op	oc	51	59	–	–	4.0	7.1

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm § For code see page 8. ‡ See footnote page 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22486 Saturday, 16th June 1923.

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.¹	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	1013·7	0	NE	2	c-	46	65	7	4000	Cu	1	ASt	7	•
Stornoway	1010·5	-4	SE	3	odd	45	97	7	450	St	10	-	10	•
Wick	1013·3	-3	S	2	o	46	75	8	4000	Cu	3	ACu	9	•
Castlebay	1011·7	-1	WNW	4	c-	52	85	6	2500	StCu	8	-	8	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1013·5	-4	S	3	o+	48	75	7	5700	StCu	10	-	10	0
Malin Head	1013·6	0	WNW	4	o/r	52	85	8	-	-	0	ACu	9	•
Renfrew	1012·9	-4	SW	2	oDD	50	85	6	800	Nb	10	-	10	1
Edinburgh (Inchkeith)	1013·2	-4	WSW	1	mc-	49	85	6	-	StCu	3	CiSt	8	•
Leuchars	1012·6	-4	-	0	o	51	75	6	2500	StCu	10	-	10	0
Eskdalemuir	1013·7	-3	SW	3	od₀	47	92	6	800	Nb	10	-	10	0
Tynemouth	1013·2	-2	SSE	2	o	50	75	6	1500	St	10	-	10	•
Blacksod Point	1017·9	0	NW	4	mo+	53	97	7	-	Nb	10	-	10	•
Donaghadee	1014·7	-2	WSW	3	c-	55	92	8	2500	St	8	-	8	•
Birr Castle	1017·4	*	SW	1	or-	57	97	7	2500	Nb	9	-	9	•
Holyhead	1015·1	-2	SW'S	3	or₀	53	97	7	220	St	10	-	10	1
Liverpool (Bidston)	1014·5	-3	W	1	or₀	51	92	6	800	CuNb	10	-	10	•
Chester (Shotwick)	1015·1	-3	-	[illegible]	od₀+	54	85	6	1500	St	10	-	10	5
Spurn Head	1015·0	-3	SE	3	or₀+	52	85	7	2500	Nb	10	-	10	•
Birmingham (Edgbaston)	1015·2	-4	SW	2	or₀r₀	53	92	6	4000	Nb	10	-	10	1
Nottingham	1014·3	-3	SW	2	od₀d₀	54	85	6	2500	Nb	10	-	10	•
Cranwell	1015·1	-3	W	3	o	55	85	6	2300	St	8	ASt	10	0
Gorleston	1016·8	-2	SSE	4	o+	53	75	6	4000	StCu	10	-	10	•
Valencia (Cahirciveen)	1021·3	0	NW	4	or₀	55	97	6	450	St	10	-	10	1
Roches Point	1017·7	-1	W.NW.	24	o	60	85	8	2500	St.Cu	10	-	10	•
Pembroke (St. Ann's H.)	1016·2	-3	NW	4	cRR	53	97	6	1500	Nb	10	-	10	•
Ross-on-Wye	1015·7	-4	WSW	2	orr	54	97	6	1500	Nb	10	-	10	2
Benson	1015·9	-6	SSW	3	or₀r₀	53	97	6	*	Nb	10	-	10	0
Andover	1016·6	-4	S'W	3	orr	54	97	6	800	Nb	10	-	10	1
S. Farnborough	1017·0	-3	S	3	or₀	54	85	7	250	Nb	10	-	10	0
London (Kew Obsy.)	1016·5	-4	SW'S	3	o	58	65	8	2500	StCu	8	ASt	10	0
Croydon	1017·1	-3	SW	4	o/r	55	65	8	2500	StCu	7	ASt	10	0
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1016·4	-3	SW	2	o/r	59	65	8	4000	StCu	5	ASt	10	•
Grain	1016·7	-2	SW	4	o/r	58	65	8	4000	St	3	ASt	10	0
Lympne	1017·4	-3	WSW	4	o	55	75	8	2500	StCu	5	ASt	10	0
Scilly (St. Mary's)	1020·8	-3	WNW	6	o/+	56	97	5	1500	St	10	-	10	•
Falmouth (Pendennis)	1018·6	-4	WNW	5	o/r	59	85	8	4000	StCu	10	-	10	•
Plymouth (Cattewater)	1017·0	-5	W	3	or₀r₀	57	91	7	800	Nb	10	-	10	1
Portland Bill	1017·2	-6	SW	4	orr	54	85	6	800	St	10	-	10	•
Southampton (Calshot)	1017·2	-5	SW'S	5	orr	54	92	6	1500	Nb	10	-	10	1
Dungeness	1013·1	-1	W	4	o	56	75	8	-	-	0	CiCu	9	•
Jersey	1020·1	-2	SW	5	or₀	53	75	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	1014·1	0	NE	3	b	46	65	7	4000	Cu	2	Ci	3	2
Stornoway	1011·1	+1	ESE	3	or₀r₀	46	97	6	450	St.	10	-	10	2
Wick	1012·4	0	E	2	o	45	97	8	4000	CuNb	5	A.Cu	10	0
Castlebay	1012·2	0	WNW	5	o	50	97	7	1500	St.	10	-	10	4
Nairn	1010·9	*	E	1	odd	45	92	7	2500	Nb	10	-	10	•
Aberdeen	1012·2	-1	-	0	o/r	45	85	6	2500	Nb	8	A.St	10	0
Malin Head	1013·7	0	NW	5	o	51	85	8	4000	Nb	9	-	9	3
Renfrew	1010·3	-3	NW	4	c-	52	85	6	1500	StCu	8	-	8	•
Edinburgh (Inchkeith)	1010·7	-2	ENE	1	odd	47	97	3	*	St.	10	-	10	1
Leuchars	1010·4	-2	NE	1	od₀	48	92	5	800	St.	10	-	10	•
Eskdalemuir	1009·7	-3	WNW	5	o	51	85	6	800	St.	10	-	10	•
Tynemouth	1011·0	-4	SSE	1	o	49	92	6	1500	St.	10	-	10	0
Blacksod Point	1018·9	+1	NW	5	o	52	85	7	*	-	-	A.St	10	4
Donaghadee	1014·4	0	WNW	3	c	53	75	8	2500	St.	8	-	8	3
Birr Castle	1016·0	*	NW	2	c-	60	75	8	2500	StCu	7	-	7	•
Holyhead	1013·7	-1	WNW	4	c-	55	85	8	5700	Cu	8	-	8	3
Liverpool (Bidston)	1012·0	-3	W	4	o/r	53	97	7	800	Nb	10	-	10	3
Chester (Shotwick)	1012·4	-2	W	4	odd₀	54	92	8	800	St.	10	-	10	•
Spurn Head	1012·0	-4	WSW	1	o	53	85	6	2500	St.	10	-	10	2
Birmingham (Edgbaston)	1012·6	-1	WNW	3	o	56	85	7	4000	CuNb	10	-	10	•
Nottingham	1011·5	-4	SW	2	o	54	92	7	1500	Nb	10	-	10	•
Cranwell	1012·6	-4	SW	1	o/r	53	97	6	800	St.	10	-	10	•
Gorleston	1014·0	-3	SW	1	o/r	54	85	6	4000	Nb	10	-	10	0
Valencia (Cahirciveen)	1021·0	0	NW	4	o	54	92	6	960	St	10	-	10	4
Roches Point	1017·3	-1	WNW	4	ox	58	85	9	2500	StCu	9	-	9	7
Pembroke (St. Ann's H.)	1015·8	0	WNW	3	o/r	53	97	8	1500	StCu	9	-	9	4
Ross-on-Wye	1013·5	-2	WNW	2	o	59	75	8	4000	StCu	9	-	9	•
Benson	1012·7	-4	W	1	c-	57	85	7	1500	St.	7	A.Cu	8	•
Andover	1013·0	-3	WNW	2	o/r	57	92	8	1500	Nb	10	-	10	•
S. Farnborough	1012·6	-4	WSW	2	o	57	92	8	1500	Nb	10	-	10	•
London (Kew Obsy.)	1012·5	-5	SSW	1	o/r	57	85	8	1500	Nb	9	A.St	10	•
Croydon	1013·2	-4	SW	3	o/r	55	92	8	450	Nb	8	A.St	10	•
Clacton-on-Sea	1013·3	-2	SSW	3	od₀+	54	92	5	800	Nb	10	-	10	1
Shoeburyness	1013·3	-3	WSW	1	od-	53	85	7	1500	Nb	10	-	10	•
Grain	1013·3	-4	SW'S	3	or-	53	92	7	800	Nb	9	A.St	10	0
Lympne	1013·9	-4	SW'W	3	orr	50	97	6	225	Nb	10	-	10	•
Scilly (St. Mary's)	1019·1	-2	NW'W	6	o	54	97	6	2500	St.	10	-	10	6
Falmouth (Pendennis)	1018·6	0	NNW	5	o/r	55	97	7	2500	Nb	10	-	10	6
Plymouth (Cattewater)	1015·6	-1	NW	4	or₀+	57	92	7	800	Nb	10	-	10	6
Portland Bill	1013·1	-4	W	2	c-	56	85	7	1500	StCu	7	-	7	3
Southampton (Calshot)	1013·0	-4	N'W	1	o/r	55	92	8	1500	Nb	10	-	10	0
Dungeness	1014·0	-5	SW	4	orr	51	97	7	2500	Nb	10	-	10	4
Jersey	1014·8	-3	WSW	5	orr	55	97	6	1500	*	10	-	10	6

LONDON OBSERVATIONS. (24 Hours ended 0900 G.M.T. 16th)

Station	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)	oo r₀o	ormo	oomo	*	*	45	3	Tr.	0.1	*	*
Croydon (24 hours ended 0700)	o bzr	orrm	ocm	*	*	44	3	0.4	0.0	*	*
Greenwich (Royal Obsy.)	o/b	or	orbod	63	49	43	1	2	0.1	91	82
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.1	*	*
Westminster (St. James' Pk.)	*	*	*	59	50	45	3		0.1	92	81
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	orb	oor	*	60	49	46	2	1	*	*	83
Kensington Palace	c3or	or	*	59	49	44	2	1	*	93 (18h)	81
Hampstead Observatory	*	*	*	56	47	39	2	1	0.3	*	86

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1800 G.M.T. 15th.

Station	Max.	Time.	Min.	Time.
South Kensington	0.6 1.0	21h 14th 7h 15th	<0.3	0-4h 15th
Kew Observatory	0.4 0.4	20h 14th 24h 14th	<0.3	10h 15th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 15th 21 h. 45 m. to 16th 02 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	4.30	0.16	6
δ Ursae Minoris	4.30	0.08	3

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.	CC₂	5	-	100°
18h.	CC₂	5	-	150°
01h.	C	5	-	150°
07h.	C	5	-	160°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 16th & 17th June, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.31 3.31	11.53 11.54	8.15 8.16
Greenwich	3.44 3.44	12.0 12.1	8.16 8.17
Wick	3.4 3.4	12.12 12.13	9.18 9.18
Valencia	4.22 4.22	12.41 12.42	9.0 9.1

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.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. z 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 33 feet above the ground.

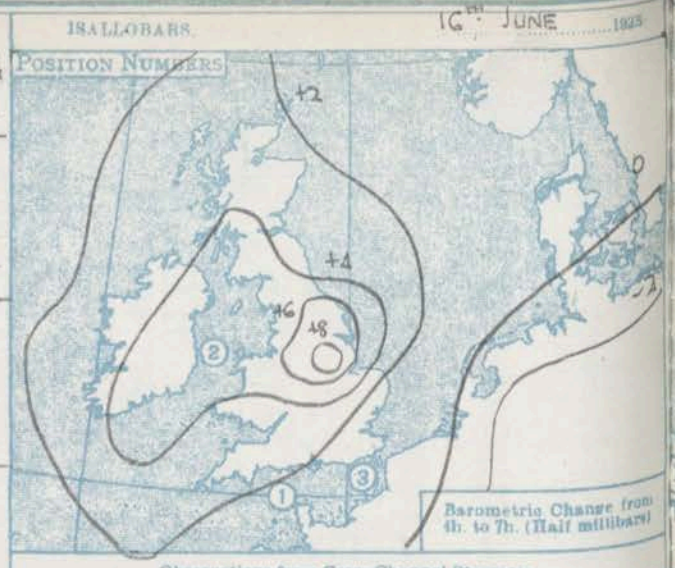
SEA DISTURBANCE.
0 = no swell, 1 = mod. swell, 2 = heavy swell } Calm or slight sea.
3 = no swell, 4 = mod. swell, 5 = heavy swell } Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

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

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	bc	bc	bc	oo	48	41	•	-	Trace	-	0630	11.4
Stornoway	r-d	r-d	bbc	oo	47	39	•	4	–	-	–	0.3
Wick	oo	oo	bbc	oo	47	39	•	–	–	-	–	•
Castlebay	afom	omo	obc	bcb	53	44	•	0.1	–	-	–	2.9
Nairn	cg	dgo	dcg	cg	50	42	•	1	1	1330	<2100	1.4
Aberdeen	cbcco	orfom	or.o	oc	52	39	32	Trace	0.6	1630	<2100	3.1
Malin Head	oddco	cod.	cobr.	br.co	53	47	•	0.3	0.3	L0800	<2100	0.4
Renfrew	omr.	od.c	co m	o m	54	44	43	Trace	Trace	L0800	–	0.9
Edinburgh (Inchkeith)	·om	3fDD	ffDDr.	c	49	43	41	2	0.3	1430	<2100	0.6
Leuchars	oz	orod.m	od.mo	ocbc	51	41	29	0.2	Trace	1530	<2100	1.4
Eskdalemuir	od.m	od.lo	or.ro	r:d	51	34	34	Trace	1	L0800	<2100	0.2
Tynemouth	oo	do	oir.	c	51	45	42	-	2	-	<2100	•
Blacksod Point ...	f·m	oo	oo	oo	51	45	•	5	0.1	-	–	•
Donaghadee	omd	oq	bc	cp	58	48	•	0.3	0.3	L0800	03.30	•
Birr Castle	ocr	prco	co	co	60	48	47	5	–	L0800	–	2.3
Holyhead	orrir	or.oc	cobc	bcco	56	50	48	2	–	L0800	–	2.3
Liverpool (Bidston) ...	r·d	odm	c	c	54	48	44	0.5	–	1430	–	0.0
Chester (Shotwick) ...	od.d.m	od.dorm	ot.com	cobmbc	55	49	46	1	1	1100	<2100	0.0
Spurn Head	oo	oo	omdbc	corq	54	45	•	0.4	0.5	1330	0430	3.5
Birmingham (Edgbaston)	or.fo	orco	or.r.	oc	57	46	44	1	2	1100	<2100	0.0
Nottingham	oo	od.	o	ob	57	46	45	0.1	Trace	1230	0430	0.0
Cranwell	coid.	od.m	probo	oird	56	44	44	Trace	1	1100	0230	3.4
Gorleston	bcco	odo	orr	oroq	57	48	45	0.3	4	1430	2400	3.4
Valencia (Cahirciveen)	oirm	orpo	dmc	co	56	49	•	2	–	L0800	–	0.5
Roches Point	o.p.o	o.c	obc	bc.o	61	50	•	=				
Pembroke (St. Ann's H.)	orr	p	obc	c	55	49	•	.17	–	L0800	–	0.4
Ross-on-Wye	odrr	rroco	ocb	bcoc	61	49	46	6	–	1100	–	0.5
Benson	odwr.	ro	r.o	ogo	58	48	46	4	0.2	1330	2200	•
Andover	oodorr	orro	oco	oo	57	48	44	6	–	1100	–	0.0
S. Farnborough ...	or.	orro	orb	oor	59	47	45	5	0.4	1230	2200	0.4
London (Kew Obsy.) ...	oop.o	ormo	oorho	oomd.	59	49	45	3	Trace	1100	0630	0.1
Croydon	oprr	ogr.m	orm	omo.d.	59	49	44	3	0.4	1100	2200	0.0
Clacton-on-Sea ...	co	agd	ogdr	ogr	60	46	43	Trace	6	1730	<2100	4.0
Shoeburyness	bcco	cddod.	od.	od.ddd	60	47	43	0.4	1	1100	<2100	0.0
Grain	copr.	or.or	odror	roroo	59	47	44	1	2	1230	2400	2.4
Lympne	oo	orrm	omrdf	rfmbc	58	47	•	3	1	1330	<2100	0.3
Scilly (St. Mary's) ...	lfom	omqr	lfom	cq	57	49	•	1	–	L0800	–	0.0
Falmouth (Pendennis)	opo	omrpo	bcobc	bc	60	50	•	2	–	1100	–	0.0
Plymouth (Cattewater)	odrm	orr	orc	co	58	50	45	4	Trace	0900	<2100	0.0
Portland Bill	oo	r-d	c	c	58	53	•	11	–	1330	–	•
Southampton (Calshot)	odform	orfmoro	oo	c	56	50	48	5	Trace	1100	0630	0.3
Dungeness	oo	r-d	oir	c	61	49	•	4	1	1330	0130	•
Jersey	ocor.	orr	orro	ocb	58	53	•	10	3	1100	<2100	0.8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Barometer.
2	15th 10h	Scotia	SSW	2	or	51	50	6
3	16th 2h	Arundel	W	4	br	55	54	4

GENERAL INFERENCE.

The depression which crossed Britain yesterday is now centred over Holland and moving away Southeastward. Winds will be northwesterly to northerly temporarily with cool showery weather.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 16th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Moderate or fresh NW. to N. winds; variable sky, some showers, brighter intervals, visibility moderate to good; cool.	Unsettled.
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 NW. to N. winds; variable sky, some showers, bright intervals; visibility moderate to good; cool.	-------
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, probably backing later; variable sky, some showers; visibility mainly good; cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As for 4 - 10.	

ESB.

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

† For Code see opposite page

UNE ..... 1923.

rio Change from (Half millibars)

rs.	Temp.		Barometer
	Air.	Sea.	
	51	50	6
	55	54	4

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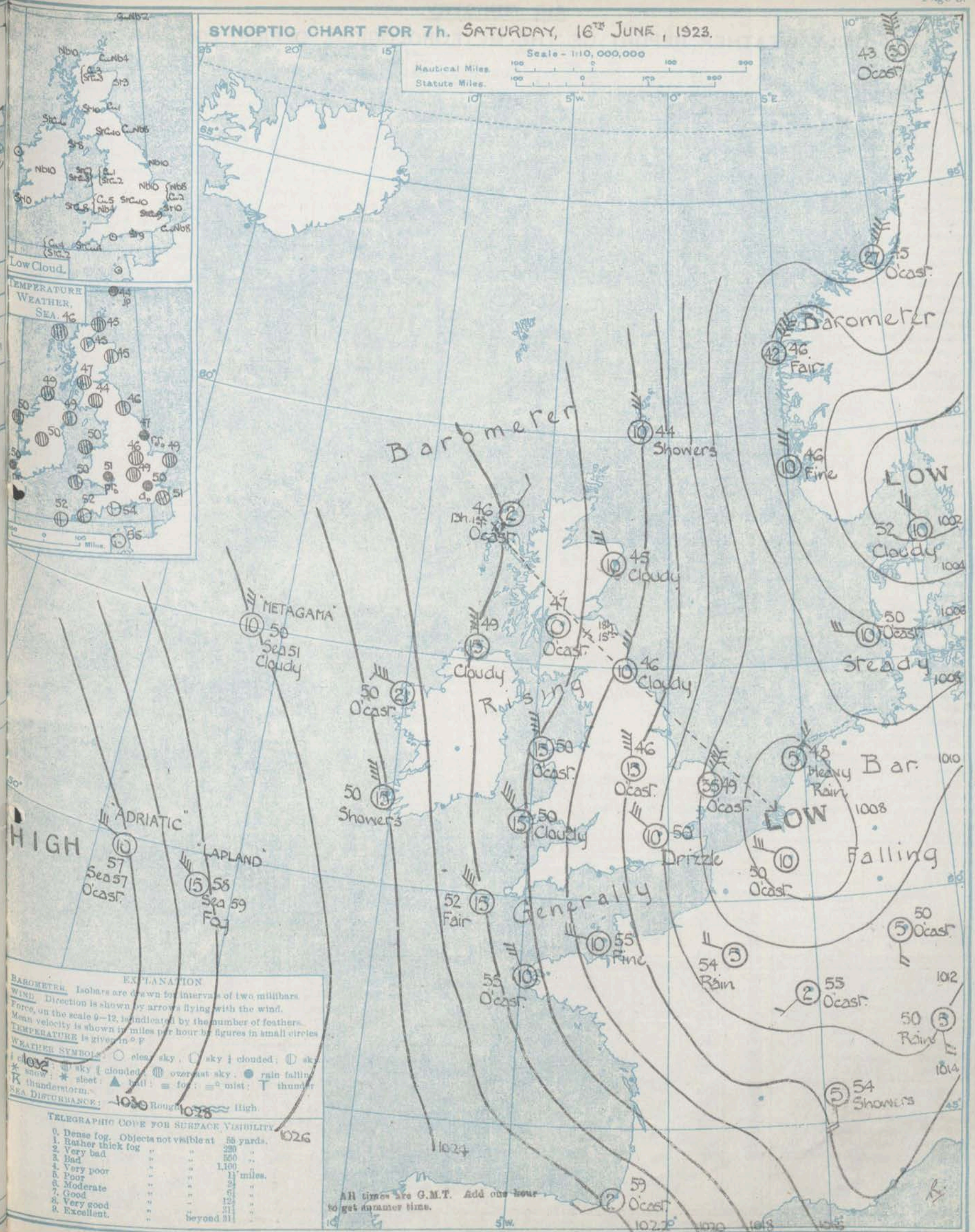

H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Saturday 16th June.....1923. No. 166.

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	1016.2	0	N	3	bc	43	85	8	-	-	0	ASt	5	•
Stornoway	1017.0	+4	ENE	4	b-	•	•	6	•	•	•	•	•	•
Wick	1015.3	+2	NW	1	bc	42	94	8	5/00	Cu	2	CiSt	4	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1016.0	+1	NW	6	o/r	50	92	8	5/00	Nb	5	ASt	9	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1014.2	+3	NE	4	o/r	44	92	8	-	CuNb	3	CiSt	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1011.9	+4	NE	3	or	45	94	4	800	Nb	10	-	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1014.4	+1	NW'W	6	bc	51	86	8	4000	Cu	4	-	4	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Sparn Head	1008.0	-4	NW	5	c	51	85	7	4000	Cu	8	-	8	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1010.0	-3	W'N	3	o	48	85	7	2500	StCu	10	-	10	•
Gorleston	1008.8	-4	NSW	1	or	52	92	6	4000	Nb	10	-	10	•
Valencia (Cahirciveen)	1023.5	+1	WNW	2	c+	51	83	7	-	St	8	-	8	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1016.0	+1	NW	4	bc	50	65	8	2600	St	4	-	4	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...		•	•	•	•	55	•	•	•	•	•	•	•	•
Croydon	1011.4	-2	NW'N	3	o/r	53	85	6	1500	Nb	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1010.6	-3	W'S	3	o/q	50	94	2	<150	Nb	10	-	10	•
Scilly (St. Mary's) ...	1018.6	-1	NW	5	o/r	53	94	8	4000	StCu	8	-	8	•
Falmouth (Pendennis)	1015.3	-1	NW	5	bc	54	85	8	4000	StCu	4	-	4	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1014.2	0	W	4	c	55	85	6	1500	StCu	8	-	8	•
Southampton (Calshot)	1012.1	-1	NW'W	4	oc	56	85	8	2500	StCu	8	-	8	•
Dungeness	1010.4	-3	W	4	or	53	94	8	4000	Nb	10	-	10	•
Jersey 7h }														•
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	1016.1	0	N	3	o/b	44	75	7	5/00	CuNb	2	ASt	10	2
Stornoway	1019.9	+3	NE	1	c	46	85	7	800	Nb	10	-	10	1
Wick	1014.3	+2	NNW	2	o	45	92	8	2500	CuNb	4	ASt	10	1
Castlebay	1020.0	+2	N	3	b	47	85	8	4000	Cu	1	-	1	2
Nairn	1018.7	•	-	0	bc/r	45	85	8	4000	Cu	6	-	6	0
Aberdeen	1017.3	+2	NNW	3	c+	45	85	8	1500	St	3	CiCu	7	0
Malin Head	1019.7	+3	N	4	c/r	49	85	8	5/00	StCu	6	ACu	8	4
Renfrew	1018.5	+4	-	0	o	47	75	6	4000	St	10	-	10	•
Edinburgh (Inchkeith)	1017.7	+3	NNE	1	c-	47	75	8	-	Cu	1	Ci	8	1
Leuchars	1017.5	+3	NW	3	bc	46	75	7	4000	Cu	1	Ci	5	•
Eskdalemuir	1017.8	+4	N	4	o	44	85	8	2500	StCu	10	-	10	•
Tynemouth	1015.5	+3	NNE	3	c	46	75	7	1500	CuNb	8	-	8	2
Blacksod Point ...	1022.6	+2	NW'N	5	o	50	85	7	-	-	0	ASt	10	4
Donaghadee	1018.3	+4	NNE	2	c-	49	92	8	2500	St	8	-	8	2
Birr Castle	1021.5	•	NW	3	o+	50	85	6	2500	Nb	10	-	10	•
Holyhead	1017.5	+4	N'W	4	o	50	92	8	2500	St	9	-	9	4
Liverpool (Bidston) ...	1016.0	+4	N'E	2	b	50	75	7	2500	StCu	3	-	3	4
Chester (Shotwick) ...	1015.9	+6	N	4	bc	52	75	6	1500	St	6	-	6	
Sparn Head	1013.5	+7	N	6	or	47	85	7	2500	Nb	10	-	10	3
Birmingham (Edgbaston)	1015.0	+4	NNE	5	bc	49	85	6	4000	StCu	5	-	5	•
Nottingham	1014.6	+8	N	4	o	46	85	7	1500	Nb	10	-	10	•
Cranwell	1014.2	+8	N	5	od	45	94	7	800	Nb	10	-	10	•
Gorleston	1009.6	+1	NNE	7	o-	49	75	6	2500	Nb	10	-	10	4
Valencia (Cahirciveen)	1024.3	+4	NNW	4	obr	50	85	6	800	St	10	-	10	3
Roches Point	1022.1	+1	N.W.	4	o	53	85	8	2500	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1018.3	+3	NW	4	c	50	85	8	2500	StCu	8	-	8	4
Ross-on-Wye	1013.3	+3	NNW	3	obr	51	85	9	2500	Cu	9	-	9	•
Benson...	1012.5	+3	NW	5	o	49	92	7	-	StCu	10	-	10	•
Andover	1013.2	+1	NW	4	o	50	85	8	2500	StCu	8	ASt	10	•
S. Farnborough ...	1012.1	+2	NNW	4	or	49	92	7	1500	St	10	-	10	•
London (Kew Obsy.) ...	1012.1	+3	NW	3	od	50	85	6	1500	StCu	9	ASt	10	•
Croydon	1011.5	+1	NW'N	4	odd	49	85	6	800	St	10	-	10	•
Clacton-on-Sea ...	1010.2	0	NW	4	or	49	92	6	1500	St	10	-	10	0
Shoeburyness	1010.0	0	NW	4	odd	50	85	6	1500	St	10	-	10	0
Grain	1010.2	0	NW	5	o/r	51	85	7	1500	StCu	10	-	10	•
Lympne	1009.8	0	NW'N	4	o	49	85	7	1500	St	9	-	9	•
Scilly (St. Mary's) ...	1020.6	+1	NW'N	4	bc	52	85	8	4000	Cu	6	-	6	4
Falmouth (Pendennis)	1018.1	+2	N'W	4	bc	52	75	8	5/00	StCu	4	-	4	0
Plymouth (Cattewater)	1017.5	+3	NNW	5	o	52	85	8	2500	StCu	10	-	10	0
Portland Bill	1014.3	+2	NW'W	4	b-	54	85	7	-	-	0	ACu	3	3
Southampton (Calshot)	1013.0	+2	NW	6	ofr	52	85	7	1500	St	9	ASt	10	3
Dungeness	1010.3	0	NW	4	c-	51	85	7	4000	CuNb	8	-	8	4
Jersey 7h }	1010.0	0	WNW	3	b/r	55	85	7	-	-	0	ACu	1	3
Guernsey 1h }														

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 14th	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	c	cdRm	36	51	-	1	1.5	12.6
Berwick-on-Tweed	zombc	bccor	43	53	-	0.1	2.7	12.4
Llandudno	ogo	od	50	55	-	1	0.0	9.1
Colwyn Bay ...	c	cpd	48	57	-	1	?	6.3
Rhyl...	c	d	48	56	-	1	0.0	6.6
Southport	odo	odo	51	53	0.1	0.2	0.0	12.5
Blackpool	o	o	49	53	-	-	0.0	11.1
Ilkley	bc	o	40	55	-	-	1.5	11.9
Harrogate	o	o	39	53	-	-	3.3	10.6
Skegness	c	o	44	59			4.4	8.0
Aberystwyth ...	oco	rr	51	56	-	8	0.0	6.0
Bath	or	ro	50	59	-	7	0.2	4.1
Leamington Spa ...	o	or	46	56	-	1	0.0	5.0
Lowestoft	ocbcco	opo	42	55	-	0.1	2.6	7.7
Felixstowe	bco	o	45	60	-	..	4.3	7.4
Southend	oco	orr	46	60	-	1	3.0	6.6
Ilfracombe	omr	orm	52	55	1	15	0.0	3.8
Bude	oorr	rroo	52	55	0.3	16	0.0	7.2
Penzance	odm	ocor	49	60	3	1	*	*
Paignton	oqdp	orqoq	49	62	Trace	1	0.0	11.9
Torquay	coro	roco	50	61	-	3	0.0	10.7
Weymouth	dr	ro	50	59	-	10	0.0	7.8
Bournemouth ...	or	rro	49	58	-	2	0.0	7.6
Portsmouth (S'thsea)	oo	rr	50	57	-	7	0.0	6.6
Worthing	co	Rr	48	58	-	6	0.1	11.0
Brighton	o	r	50	58	-	7	0.2	9.7
Eastbourne	oo	ror	50	57	-	5	0.5	6.7
Hastings	o	oRr	48	53	-	5	0.1	5.2
Folkestone	c	r	50	63	-	1	2.8	6.4
Tunbridge Wells ...	oco	or	46	58	-	4	0.6	2.0
Ramsgate	boc	bco	47	60	-	-	4.3	6.7
Margate	obc	o	47	59	-	-	1.3	5.4
Deal	ccbc	orr	48	61	-	1	4.5	5.4

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* Observation 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 22487. SUNDAY, 17TH JUNE 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	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1016.8	0	N	3	o/p	44	75	7	5700	CuNb	5	A.St	10	•
Stornoway	1021.2	+1	NNE	3	0	50	75	7	800	Nb	10	–	10	•
Wick	1018.1	+1	NNW	3	0	50	65	8	3700	Cu	7	A.St	9	•
Castlebay	1021.9	+1	NNW	3	bc	51	75	8	4000	StCu	6	–	6	•
Nairn	*	*	*	*	*	*	*							•
Aberdeen	1018.4	+1	NNW	5	bc	50	65	8	2500	StCu	4	ACu	6	0
Malin Head	1021.7	+2	NNW	4	c	50	85	9	3700	Cu	7	–	7	•
Renfrew	1019.7	+1	W	1	0	51	75	7	7200	StCu	10	–	10	0
Edinburgh (Inchkeith)	1018.6	+1	WSW	2	0	52	75	8	*	Cu	6	CiSt	9	•
Leuchars	1018.[illegible]	0	NW	1	0	53	65	8	4000	StCu	10	–	10	0
Eskdalemuir	1019.0	+2	NNW	2	0	49	65	7	2500	StCu	10	–	10	0
Tynemouth	1018.5	+3	NNE	2	c/r	49	75	7	4000	StCu	8	–	8	•
Blacksod Point ..	1024.3	+3	NNW	5	opr.	53	85	7	*	Nb	10	–	10	•
Donaghadee	1020.0	+2	NNE	2	c	54	85	8	2500	Cu	8	–	8	•
Birr Castle	1022.9	*	NNW	2	0-	54	75	7	4000	StCu	9	–	9	•
Holyhead	1020.6	+3	N'N	4	0-	52	85	8	800	StCu	10	–	10	0
Liverpool (Bidston) ...	1019.4	+3	NNW	2	0	51	65	8	2500	St	10	–	10	•
Chester (Shotwick) ...	1019.5	+3	N'N	4	0	53	65	8	7200	StCu	8	A.St	10	1
Spurn Head	1017.0	+3	N'N	6	c	51	75	8	4000	Cu	7	–	7	•
Birmingham (Edgbaston)	1018.6	+3	NNE	4	0	52	65	6	2500	StCu	10	–	10	0
Nottingham	1018.2	+3	N	3	0	52	65	7	2500	StCu	10	–	10	•
Cranwell	1017.9	+3	NNW	4	od.	52	75	8	1500	StCu	7	ACu	9	5
Gorleston	1014.0	+3	N	5	c	52	85	7	4000	Cu	8	–	8	•
Valencia (Cahirciveen)	1025.6	+1	NNW	4	c-	54	75	8	1500	StCu	8	–	8	0
Roches Point	1022.9	+1	N.W	3	c*	60	75	8	4000	StCu	8	–	8	•
Pembroke (St. Ann's H.)	1021.3	+2	NW	4	c	56	75	8	4000	StCu	7	–	7	•
Ross-on-Wye	1018.7	+2	N	3	0	53	65	8	4000	Cu	10	–	10	1
Benson...	1018.1	+3	N	3	0-	53	75	7	2500	St	4	A.St	9	0
Andover	1017.8	+3	N'E	4	0	54	75	7	2500	StCu	8	A.St	10	0
S. Farnborough ...	1017.5	+3	NNW	2	0	53	75	7	1500	StCu	8	A.St	10	1
London (Kew Obsy.) ...	1017.6	+4	NW	3	0/r	52	65	7	1500	StCu	5	A.St	9	1
Croydon	1017.2	+5	N'W	3	0/r	51	75	6	1500	StCu	10	–	10	1
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1015.9	+7	N'W	5	0/r	53	75	8	4000	StCu	9	–	9	1
Grain	1016.0	+6	N	5	0-	53	65	7	4000	StCu	9	–	9	1
Lympne	1015.6	+6	N	5	0	50	85	7	1500	St	10	–	10	0
Scilly (St. Mary's) ...	1022.6	+3	NW'N	5	c	58	75	8	4000	Cu	4	ACu	7	•
Falmouth (Pendennis)	1021.9	+1	NNW	3	c+	55	65	8	5700	StCu	8	–	8	•
Plymouth (Cattewater)	1020.1	+3	NNW	5	0	56	75	8	2500	StC.	9	–	9	0
Portland Bill	1017.2	+4	NW	2	c+	57	85	7	?	StCu	8	–	8	•
Southampton (Calshot)	1017.9	+4	N	4	0+	57	65	7	2500	StCu	10	–	10	0
Dungeness	1015.1	+4	ENE	4	0/r	53	65	7	4000	StCu	10	–	10	•
Jersey	1019.2	+1	NNW	3	b	59	65	8	–	–	0	ACu	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	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-8
Lerwick	1017.4	+2	N	3	b-	47	65	8	5700	Cu	2	ACu	3	2
Stornoway	1021.6	0	NNE	3	bc-	50	75	7	4000	Cu	6	–	6	2
Wick	1018.9	+1	NNW	3	0	47	92	8	2500	Cu	10	–	10	1
Castlebay	1022.9	+1	NW	4	bc	50	75	8	4000	StCu	6	–	6	3
Nairn	1020.1	*	N	2	c/r	50	75	8	4000	CuNb	8	–	8	•
Aberdeen	1019.2	+1	NNW	4	bc	49	65	8	4000	Cu	5	–	5	0
Malin Head	1022.[illegible]	+1	N	4	c	49	75	9	5700	StCu	6	ACu	7	3
Renfrew	1019.5	-1	NNW	3	0	54	65	8	7200	StCu	9	CiSt	10	•
Edinburgh (Inchkeith)	1019.2	+1	NE	3	opr.	49	75	7	*	Nb	4	ACu	10	2
Leuchars	1018.8	+1	–	0	0	50	75	8	4000	StCu	10	–	10	•
Eskdalemuir	1019.1	0	NW	2	0	49	75	6	2500	StCu	10	–	10	•
Tynemouth	1018.4	0	N	3	c	48	75	8	4000	StCu	8	–	8	3
Blacksod Point ..	1024.8	0	NNW	4	0	52	85	9	*	CuNb	9	–	9	4
Donaghadee	1021.1	+1	NNW	3	bc-	52	75	5	2500	Cu	4	–	4	3
Birr Castle	1022.7	*	NW	1	0	56	75	7	4000	StCu	9	–	9	•
Holyhead	1020.8	+1	N'W	4	0+	52	85	8	2500	StCu	10	–	10	3
Liverpool (Bidston) ...	1019.7	0	NNW	2	0	50	65	7	2500	CuNb	10	–	10	3
Chester (Shotwick) ...	1019.9	+1	NNW	4	od.	50	75	8	1500	St	10	–	10	•
Spurn Head	1018.0	+2	N'W	5	b-	50	75	8	5700	Cu	1	ACu	2	3
Birmingham (Edgbaston)	1019.7	+1	NNW	4	0	50	75	5	2500	CuNb	10	–	10	•
Nottingham	1019.0	+2	NE	2	0	51	65	7	1500	Nb	10	–	10	•
Cranwell	1019.1	+1	N'W	4	0	50	75	8	1500	StCu	10	–	10	•
Gorleston	1016.8	+2	N'W	6	or.	49	75	7	2500	Nb	9	–	9	4
Valencia (Cahirciveen)	1026.1	0	NNW	4	0+	53	75	9	800	StCu	9	–	9	3
Roches Point	1023.5	+1	N.W	3	c	55	85	8	4000	StCu	8	–	8	0
Pembroke (St. Ann's H.)	1022.9	+1	NNW	2	0	53	75	8	4000	StCu	10	–	10	3
Ross-on-Wye	1019.4	+1	N	1	0	53	65	9	4000	StCu	10	–	10	•
Benson...	1019.2	0	N	1	0	52	75	6	*	St	10	–	10	•
Andover	1019.1	+1	N'W	2	0	52	75	7	2500	StCu	5	A.St	10	•
S. Farnborough ...	1018.8	+1	NNW	2	0	52	75	6	2500	St	10	–	10	•
London (Kew Obsy.) ...	1018.6	+1	NNW	2	0	54	65	7	2500	Cu	2	ACu	9	•
Croydon	1018.2	-1	N'W	3	0	52	55	6	2500	StCu	9	–	9	•
Clacton-on-Sea ...	1017.1	+2	NNW	4	bc-	54	55	7	2500	Cu	5	–	5	1
Shoeburyness	1017.5	+3	NNE	4	bc-	52	65	8	4000	StCu	4	–	4	•
Grain	1017.7	+2	NW'N	4	c-	53	65	8	5700	StCu	7	–	7	0
Lympne	1017.6	+2	N'W	4	0	50	75	8	4000	StCu	9	–	9	•
Scilly (St. Mary's) ...	1024.1	0	NW	4	0+	54	85	8	4000	StCu	10	–	10	4
Falmouth (Pendennis)	1024.1	+1	N	4	bc-	55	65	8	5700	Cu	5	–	5	0
Plymouth (Cattewater)	1021.0	+1	NNW	4	b-	55	75	8	4000	StCu	2	–	2	0
Portland Bill	1018.6	+1	NW	3	c	56	75	7	?	StCu	8	–	8	3
Southampton (Calshot)	1019.3	+1	N'W	3	0	55	65	6	4000	StCu	10	–	10	0
Dungeness	1017.2	+2	N	3	c-	53	65	7	4000	StCu	8	–	8	3
Jersey	1019.5	0	NNW	3	c	59	75	8	–	–	0	CiSt	8	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 / Croydon } 24 hours ended 0700				• / •	• / •				• / •	• / •	• / •
Greenwich (Royal Obsy.) ..	0	0	odc	54	45	42	–	0.3	0.5	41	64
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.6	*	*
Westminster (St. James' Pk.)	*	*	*	55	46	44	0.4	0.8	0.8	64	61
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	1.0	*	*
Camden Square..	bcc	cbc	*	60	43	42	–	–	*	*	62
Kensington Palace	co	0	*	54	46	43	–	–	*	60 (18h)	59
Hampstead Observatory ..	*	*	*						1.4	*	

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

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

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

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

POLE STAR RECORD at Greenwich Obsy.

Exposure from 16th ..... h. ..... m. to 17th ..... h. ..... m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
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_1C_2	6	–	175
18h.	C	5	–	100
01h.	C_1C_2	5	–	100
07h.	C	4	–	90

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

17th & 18th June, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	3.31	11.54	8.16
	3.31	11.54	8.16
Greenwich ...	3.44	12.1	8.17
	3.44	12.1	8.18
Wick	3.7	12.13	8.18
	3.7	12.13	8.19
Valencia ...	4.22	12.42	9.1
	4.22	12.42	9.1

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.
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.

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.

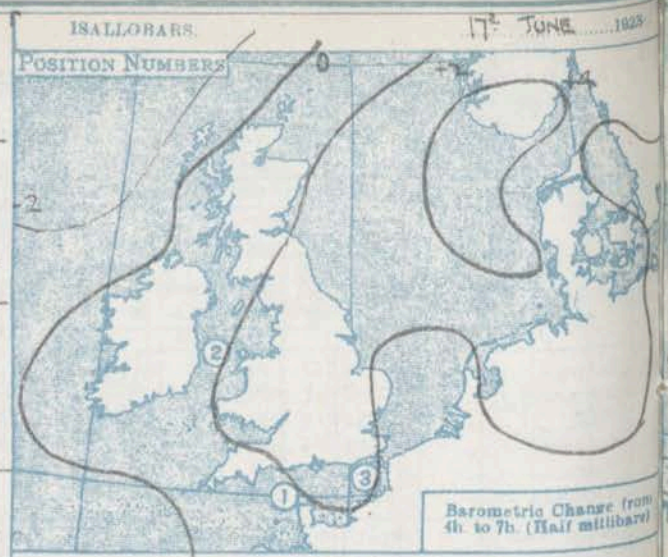
* Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

§ For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 16h.	13h.-18h. 16h.	18h. 16h. to 1h.	1h.-7h. 17h.	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. 16h. Hours.
Lerwick	o	b	c	bc	48	39	•	trace	–	<0800	–	6.4
Stornoway	oo	c	c	c	51	39	•	–	0.3	–	–	5.8
Wick	oo	oo	o PR	o rid	51	42	•	–	1	–	<2100	•
Castlebay	boc	cbc	cbcb	bo	52	45	•	–	–	–	–	9.5
Nairn	cprq	cirq	cq	cq	53	41	•	2	–	0900	–	4.2
Aberdeen	cp.rc	bcq	co.oc	coirc	52	43	38	trace	2	0900	2400	6.8
Malin Head	cov	cov	cov	cov	51	46	•	–	–	–	–	6.7
Renfrew	ozo	oo	oocb	bbw	56	31	25	–	–	–	–	1.0
Edinburgh (Inchkeith)	c	oo	c	cb	54	43	36	0.1	0.1	1730	<2100	7.0
Leuchars	oo	oo	ocbcb	bbv	54	39	23	–	–	–	–	5.9
Eskdalemuir	oo	oo	ocbc	bcb	51	29	23	–	–	–	–	1.7
Tynemouth	cp.	c	or.	mp.	49	41	37	trace	1	0900	2200	•
Blackrod Point ...	c	c	c	c	55	46	•	0.2	–	–	–	•
Donaghadee	c	bc	bc	bc	55	43	•	–	–	–	–	•
Birr Castle	co	co	co	o	57	47	46	–	–	–	–	0.3
Holyhead	ocoq	oco	oocbc	bbcco	54	48	45	–	–	–	–	1.9
Liverpool (Bidston) ...	bbcd	oo	obcm		53	46	38	–	–	–	–	3.6
Chester (Shotwick) ...	coo	od.	oprc	cbcb	54	43	35	trace	0.2	1730	<2100	2.7
Spurn Head	c	c	coobc	bcobc	51	43	•	trace	0.5	<0800	0430	8.5
Birmingham (Edgbaston)	c	oim	co	bcbc	54	43	36	–	–	–	–	2.6
Nottingham	o	oo	od.	or.c	55	43	39	–	0.1	–	<2100	1.0
Cranwell	od.	c	oid.	ocb bc	55	39	35	trace	0.5	0900	2400	3.4
Gorleston	obccq	cirq	o	oprcq	54	43	41	trace	2	1430	01.30	4.2
Valencia (Cahirciveen)	oc	co	do	co	56	49	46	–	–	–	–	3.5
Roches Point	c	c	co	oo	61	50	–	–				
Pembroke (St. Ann's H.)	c	c	o	o	57	47	•	–	–	–	–	3.7
Ross-on-Wye	oco	oco	ogoc	bwcb	55	43	35	–	–	–	–	1.9
Benson...	o	o	o	oc	56	47	33	–	–	–	–	•
Andover	oco	oo	oo	ocbcc	55	44	40	–	–	–	–	2.6
S. Farnborough ...	or.o	oo	oo	oo	57	40	38	0.1	–	<0800	–	0.8
London (Kew Obsy.) ...	omid.o	oo	ocom	omocbc	54	46	44	trace	–	<0800	–	0.6
Croydon	omd.p.	ozy	o3y	~~o5~~ omr.	53	45	43	trace	0.1	<0800	0430	0.8
Cleeton-on-Sea ...	ogc	cbcy	bcy	bc	55	40	35	0.2	–	<0800	–	4.6
Shoeburyness	od.o	c	bc	bc	57	41	34	–	–	–	–	5.2
Grain	oo	ocbcc	cocbb	bbc	56	42	34	0.2	–	–	–	2.4
Lympne	oo	or.	obow	obw	54	39	31	trace	trace	<0800	–	1.9
Scilly (St. Mary's) ...	cq	o	co	o	58	51	•	–	–	–	–	4.0
Falmouth (Pendennis)	bcc	cbc	bc	bcco	58	48	•	–	–	–	–	11.2
Plymouth (Cattewater)	ocoq	obq	bbcq	bc	57	50	40	–	–	–	–	10.1
Portland Bill	c	c	c	bbc	53	50	•	–	–	–	–	•
Southampton (Calshot)	oo	oo	o	ombmb	58	48	44	trace	–	<0800	–	6.5
Dungeness	p	oo	c	c	55	42	•	trace	–	1100	–	•
Jersey	b	bco	oco	oc	62	51	•	–	–	–	–	12.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	16th 10h	Scotia	NW'N	4	c	53	50	7
1	16th 11h	–	NW	5	bc+	54	54	8
3	14th 21h	Dieppe	N	1	o	51	53	

GENERAL INFERENCE.

The anticyclone off our Southwest Coasts remains stationary while a depression near Iceland is moving eastwards. Weather will be mainly fair in the South with northerly winds and rather low temperature, but farther North unsettled conditions are probable with winds mainly westerly.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Sunday 17th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Moderate northerly winds; mainly fair; cool; visibility good.	Unsettled in the North, mainly fair and cool in the South.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Light or moderate northerly winds; variable cloud; moderate or rather low temperature; visibility good.	------
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 variable winds becoming westerly and freshening; cloudy, some rain; moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	As 4 - 7.	

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

† For Code see opposite page

JUNE 1923

...tric Change from ... (Half millibars)

...ers.

Temp.		Amplitude.
Air.	Sea.	
53	50	8
54	54	4
51	53	8

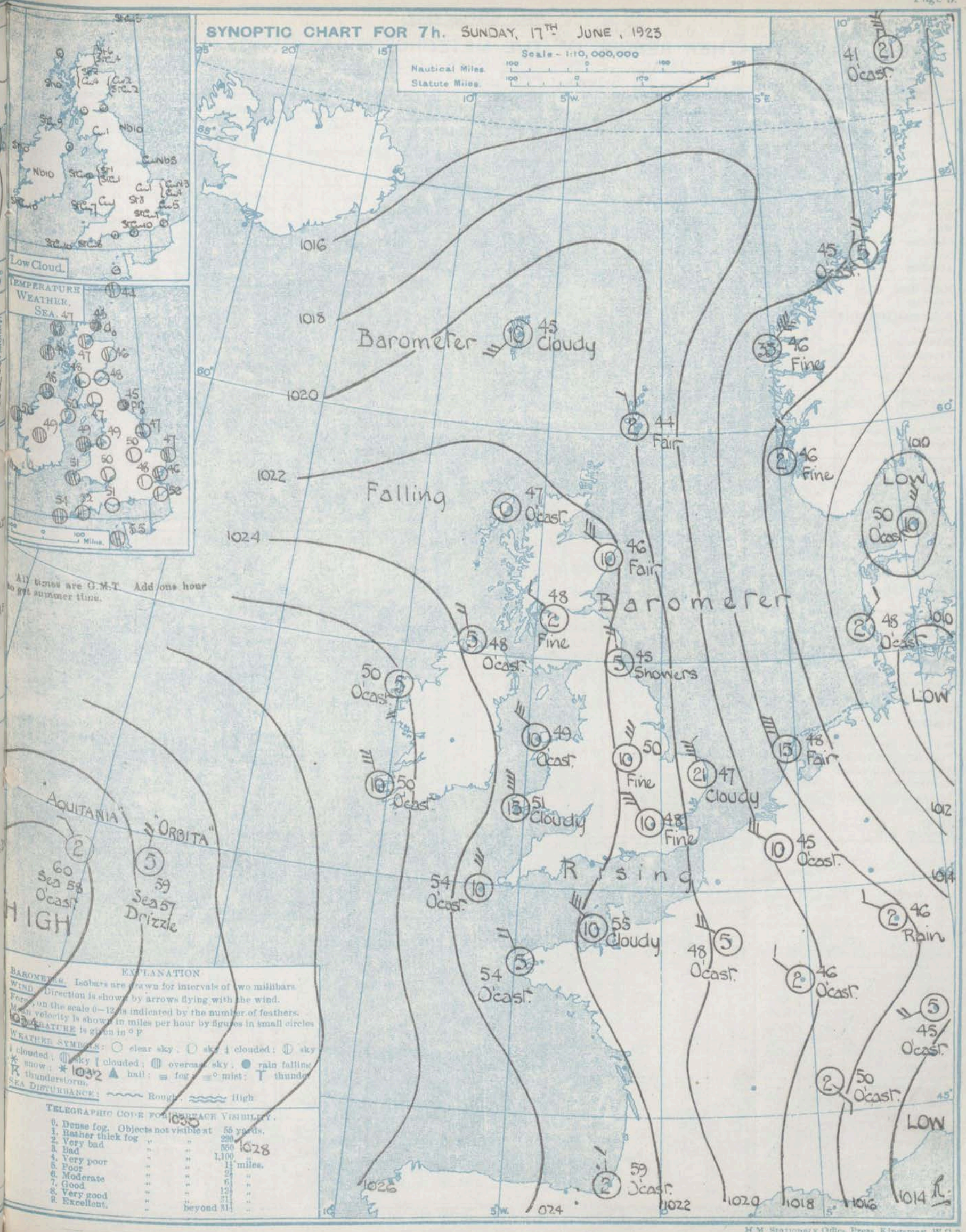
our

...sion near
...ds.
...ir in
...winds
...e, but
...onditions
...ainly

Outlook.

...ed in
...h,
...air and
...the South

...S., Director.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. SUNDAY, 17TH JUNE 1923. No. 168

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	1023	+2	NNW	2	c	43	75	7	–	–	0	ASt	7	•
Stornoway	1023.4	+2	N	1	b	•	•	5	•	•	•	•	•	•
Wick	1020.8	+2	NNW	1	o/r	43	97	8	2500	StCu	10	–	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1023.6	+1	N	2	bc	47	85	9	5/00	StCu	4	ACu	6	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1021.3	+2	WNW	1	b-	45	85	8	–	St	2	ASt	3	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1020.2	+1	W	1	0	43	75	6	4000	StCu	10	–	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1022.4	+1	NNW	5	b-	50	75	8	4000	Cu	1	–	1	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Sparn Head	1018.8	0	NW	5	bc	45	85	8	4000	CuNb	4	–	4	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1020.8	+2	N'W	4	o/r	45	85	7	800	Nb	10	–	10	•
Gorleston	1018.2	0	NNW	2	0	45	75	7	4000	StCu	10	–	10	•
Valencia (Cahirciveen)	1027.0	+1	NW	2	od	48	97	7	–	St	9	–	9	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1022.8	+2	N	2	c	50	85	8	2500	StCu	8	–	8	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	48	•	•	•	•	•	•	•	•	•
Croydon	1020.1	+1	N'W	1	0	46	85	6	1500	StCu	10	–	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1019.7	0	N	3	0	41	92	8	4000	StCu	10	–	10	•
Scilly (St. Mary's) ...	1024.3	0	NW'W	4	0	53	92	8	4000	StCu	10	–	10	•
Falmouth (Pendennis)	1024.2	0	WNW	1	b-	50	97	8	5/00	Cu	2	–	2	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1020.5	+2	NNW	2	b	52	85	7	5/00	StCu	3	–	3	•
Southampton (Ca. shot)	1020.4	0	NW'W	3	obc	51	85	7	4000	StCu	10s	–	10s	•
Dungeness	1019.1	+1	N	2	bc+	44	85	8	–	–	0	ASt	5	•
Jersey 7h }														•
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	1020.5	0	NNW	1	bc	44	75	8	7200	StCu	3	ACu	5	0
Stornoway	1022.2	1	–	0	0+	47	75	8	–	–	0	ACu	9	0
Wick	1021.6	+1	NW	1	od	43	97	7	450	St	10	–	10	0
Castlebay	1023.4	0	W	3	o	48	75	8	1500	St	10	–	10	3
Nairn	1022.5	•	–	0	bc	47	85	8	1500	Cu	6	–	6	•
Aberdeen	1022.3	+2	NW	3	bc-	46	85	8	1500	Cu	4	–	4	0
Malin Head	1023.9	0	N	2	o	48	75	9	5/00	StCu	9	–	9	1
Renfrew	1023.0	+1	NW	1	b	48	75	8	–	–	0	CiSt	1	•
Edinburgh (Inchkeith)	1022.8	+1	NNW	2	b-	48	75	8	–	–	0	ACu	1	1
Leuchars	1022.2	+1	NW	1	b	48	65	9	4000	Cu	1	–	1	•
Eskdalemuir	1022.7	+2	NNE	1	b+	47	75	8	4000	Cu	1	–	1	•
Tynemouth	1021.6	+2	N	2	obc	45	85	6	1500	Nb	10	–	10	2
Blacksod Point ...	1025.6	0	S?	2	o	50	97	8	–	St	10	–	10	1
Donaghadee	1023.6	+1	N	3	b-	50	75	8	–	–	0	CiSt	2	3
Birr Castle	1025.2	•	NW	1	o+	49	97	7	1500	Nb	10	–	10	•
Holyhead	1023.7	+2	NW'N	3	o	49	85	8	1500	StCu	10	–	10	3
Liverpool (Bidston) ...	1022.8	+3	N'E	1	b-	49	75	8	4000	St	2	–	2	2
Chester (Shotwick) ...	1022.5	+2	NW	2	b	52	75	8	4000	StCu	3	–	3	•
Sparn Head	1020.6	+2	NNW	5	bc/r	47	85	7	2500	CuNb	5	–	5	2
Birmingham (Edgbaston)	1022.5	+2	NNW	1	b	50	75	7	–	–	0	–	0	•
Nottingham	1021.5	+2	NNE	3	b	50	65	7	4000	Cu	1	–	1	•
Cranwell	1021.8	+2	NW	4	bc+	45	85	6	4000	Cu	5	–	5	•
Gorleston	1018.6	0	N'W	5	c/r	47	75	6	4000	Cu	7	–	7	1
Valencia (Cahirciveen)	1027.3	+1	NNW	3	o	50	85	9	1500	StCu	10	–	10	0
Roches Point	1025.7	+1	N.W.	3	o	52	92	0	4000	StCu	10	–	10	0
Pembroke (St. Ann's H.)	1024.2	+2	N	4	c	51	75	8	4000	StCu	7	–	7	3
Ross-on-Wye	1022.6	+2	N	2	b	50	73	8	4000	Cu	1	–	1	•
Benson	1024.3	+2	N	3	c	47	85	7	1500	St	8	–	8	•
Andover	1021.8	+1	NNE	3	c-	48	85	6	1500	StCu	8	–	8	•
S. Farnborough ...	1021.8	+2	N	2	o	47	75	7	4000	StCu	10	–	10	•
London (Kew Obsy.) ...	1021.6	+2	N'W	3	b-	48	65	7	2500	StCu	1	ACu	3	•
Croydon	1021.2	+2	N	2	c-	47	75	8	1500	StCu	7	CiCu	8	•
Clacton-on-Sea ...	1019.9	+1	NNW	3	bc	46	85	7	4000	Cu	5	–	5	0
Shoeburyness	1020.8	+1	N	4	b	50	65	8	5/00	Cu	2	–	2	•
Grain	1020.7	+3	NNW	5	b	49	75	9	2500	Cu	1	–	1	3
Lympne	1020.1	+1	N	5	b	47	75	8	2500	Cu	2	CiSt	3	•
Scilly (St. Mary's) ...	1023.9	0	N'E	3	o	54	85	8	4000	StCu	6	–	10	3
Falmouth (Pendennis)	1023.7	+1	N	4	c+	52	75	8	4000	StCu	8	–	8	0
Plymouth (Cattewater)	1022.8	+1	N	4	bc+	53	75	8	5/00	StCu	5	–	5	0
Portland Bill	1020.5	+2	NNW	3	b-	51	65	7	–	–	0	–	0	3
Southampton (Ca. shot)	1021.7	+2	N	3	b	50	85	6	–	–	0	–	0	0
Dungeness	1019.7	+1	N	4	b-	50	65	8	–	–	0	ACu	3	4
Jersey 7h }	1021.2	0	NW	3	c	55	75	8	–	–	0	ACu	7	3
Guernsey 1h }														

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

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 15-16	Temperature. Max. Day. 16	Rainfall.† Night 17h.-9h. 15-16	Rainfall.† Day 9h.-17h. 16	Sunshine. Sunrise to 17h. 16	Sunshine. Sunrise to Sunset. 15
			°F.	°F.	mm.	mm.	hr.	hr.
Montrose	obc	c	39	55	0.3	–	6.1	1.3
Berwick-on-Tweed	r.bcbc	bcorm	43	53	9	0.1	7.2	2.7
Llandudno	o	oco	49	54	–	–	1.5	0.7
Colwyn Bay ...	c	c	48	54	–	–	0.6	7.0
Rhyl	bc	c	49	57	0.3	–	2.2	0.0
Southport	co	co	52	54	–	–	4.0	0.0
Blackpool	bc	co	48	55	0.2	–	2.4	0.1
Ilkley	bccoo	bc	43	54	0.1	–	3.9	1.5
Harrogate	c	c	42	52	0.4	–	2.7	3.3
Skegness	c	c	45	59	1	–	7.5	4.4
Aberystwyth ...	ooc	b	50	54	–	–	1.5	0.0
Bath	bcc	o	49	58	–	–	3.8	0.3
Leamington Spa ...	o	o	46	54	1	–	1.0	0.0
Lowestoft	occo	co	47	53	2	–	4.7	2.6
Felixstowe	oc	bc	46	56	6	–	3.5	4.3
Southend	oc	oc	47	57	1	–	3.0	3.0

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 15-16	Temperature. Max. Day. 16	Rainfall.† Night 17h.-9h. 15-16	Rainfall.† Day 9h.-17h. 16	Sunshine. Sunrise to 17h. 16	Sunshine. Sunrise to Sunset. 15
			°F.	°F.	mm.	mm.	hr.	hr.
Ilfracombe	c	cbcc	51	57	1	–	6.1	0.0
Bude	c	bcc	51	56	0.1	–	4.8	0.3
Penzance	cbc	bc	50	59	0.2	–	*	*
Paignton	ogcbcg	cg	50	62	–	–	9.3	0.0
Torquay	b	b	50	64	–	–	10.7	0.2
Weymouth	c	co	48	63	–	–	5.3	0.0
Bournemouth ...	b.b	bco	48	59	–	–	5.5	0.0
Portsmouth (S'thsea)	cbc	bco	51	58	0.2	–	4.8	0.0
Worthing	bco	bcc	50	54	3	–	3.0	0.1
Brighton	c	c	50	58	2	–	3.2	0.2
Eastbourne	bco	bc	50	57	2	–	4.8	0.5
Hastings	cpoc	oco	48	54	1	0.5	3.0	0.1
Folkestone	or	or	49	58	0.2	4	0.0	2.9
Tunbridge Wells ...	o	cbco	47	55	0.3	trace	1.9	0.6
Ramsgate	robc	bcrc	47	51	2	1	2.4	4.3
Margate	o	oc	48	53	3	–	0.6	1.3
Deal	ropo	cbc	48	54	3	trace	0.5	4.0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 8. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22488 Monday, 18th June 1923.

Observations at 1300 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	State of ground.
Lerwick	1019.7	0	NNW	1	c-	49	65	8	4000	Cu	2	aCu	8	•
Stornoway	1020.1	-4	SSW	2	odd	48	97	8	800	St	10	-	10	•
Wick	1020.3	-1	SSW	2	o/r	48	85	8	4000	StCu	4	aSt	10	•
Castlebay	1021.3	-2	SSW	4	oro	39	97	8	800	Nb	10	-	10	•
Nairn	*	*	*	*	*	*	*							•
Aberdeen	1022.0	-2	E	4	bc⊕	54	75	8	2500	Cu	2	CiSt	5	o
Malin Head	1023.4	0	W'S	3	oro	49	92	8	4000	Nb	4	aSt	10	•
Renfrew	1022.1	-1	W	4	o⊕	59	65	8	7200	Cu	4	CiSt	10	o
Edinburgh (Inchkeith)	1022.0	-2	ESE	2	o⊕	55	65	8	-	-	•	CiSt	10	•
Leuchars	1021.5	-1	ESE	3	o	54	65	8	4000	Cu	4	Ci	9	o
Eskdalemuir	1022.0	0	WSW	3	o⊕	56	55	8	4000	Cu	6	CiSt	10	o
Tynemouth	1023.1	+1	N	2	b/r	51	75	7	4000	Cu	2	aCu	3	•
Blacksod Point	1025.2	0	S	4	oprr	51	92	7	-	Nb	10	-	10	•
Donaghadee	1024.3	0	WSW	2	bct	55	65	8	1500	Cu	2	CiSt	5	•
Birr Castle	1025.6	*	NW	1	o	55	85	7	4000	Nb	9	-	9	•
Holyhead	1025.0	+1	NW'W	3	o+	53	75	8	4000	Cu	5	CiSt	9	o
Liverpool (Bidston)	1024.1	+1	WNW	2	bc	54	65	8	2500	Cu	2	Ci	5	•
Chester (Shotwick)	1023.8	+1	WNW	5	ct	57	55	8	4000	Cu	3	Ci	7	o
Spurn Head	1022.3	+1	N	5	bc	52	75	8	4000	StCu	6	-	6	•
Birmingham (Edgbaston)	1022.6	0	NNW	4	c	56	55	7	5700	Cu	8	-	8	o
Nottingham	1022.5	0	NE	3	c	57	65	8	2500	Cu	5	CiSt	7	•
Cranwell	1022.8	0	N	4	bc	53	75	8	2500	StCu	6	-	6	o
Gorleston	1020.7	+1	N'W	4	ct	58	55	7	4000	Cu	7	-	7	•
Valencia (Cahirciveen)	1027.5	0	W'N	2	c⊕	55	75	9	2500	StCu	8	-	8	o
Roches Point	1026.2	0	N.W	2	o	59	75	9	4000	StCu	10	—	10	•
Pembroke (St. Ann's H.)	1025.7	+1	N	3	c	53	75	8	4000	Cu	7	-	7	•
Ross-on-Wye	1022.9	+1	N	2	bc	59	55	8	4000	Cu	5	Ci	6	o
Benson	1022.8	0	N'E	3	c	57	55	7	2500	Cu	7	-	7	o
Andover	1022.6	+1	NNE	3	bc-	56	55	8	4000	Cu	6	-	6	o
S. Farnborough	1022.1	+2	NW	2	ct	57	55	7	4000	Cu	7	-	7	o
London (Kew Obsy.)	1022.7	+1	N	3	c	55	55	8	2500	StCu	7	-	7	o
Croydon	1022.5	+1 +2	N'E	3	o	54	55	6	4000	Cu	9	-	9	o
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1020.9	0	N	2	bc	56	55	8	4000	Cu	5	-	5	*
Grain	1021.6	+1	NNW	3	bct	55	55	8	4000	Cu	5	-	5	o
Lympne	1021.6	+2	N'W	5	cjp	52	65	8	2500	StCu	8	-	8	o
Scilly (St. Mary's)	1025.9	+2	N'E	2	o	56	75	8	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1024.9	+1	N	4	ct	56	65	8	4000	StCu	7	-	7	•
Plymouth (Cattewater)	1023.7	+1	~~SSW~~ NW	3	bc	58	65	8	4000	StCu	4	-	4	o
Portland Bill	1022.1	+2	NNW	2	ct	57	65	7	2500	StCu	8	-	8	•
Southampton (Calshot)	1023.2	+1	NNE	3	bc	60	45	8	4000	Cu	6	-	6	o
Dungeness	1020.4	+1	N	4	bc	53	65	8	4000	Cu	5	-	5	•
Jersey	1023.3	+1	N	3	b	59	65	8	-	-	0	aCu	1	•

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	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1018.0	-2	SW	1	c	48	75	8	-	-	0	aCu	8	0
Stornoway	1016.7	-4	SSE	3	orr	48	97	6	450	St	10	-	10	2
Wick	1018.0	-3	SSW	3	o	48	92	8	-	-	0	aSt	10	0
Castlebay	1018.0	-3	SSW	5	fo	50	97	4	800	Nb	10	-	10	5
Nairn	1018.5	*	NW	2	odd	51	85	8	1500	Nb	9	-	9	•
Aberdeen	1020.6	-2	S	3	o	47	85	8	2500	StCu	10	-	10	0
Malin Head	1020.5	-3	SW	3	oro	52	92	8	2500	Nb	10	-	10	1
Renfrew	1022.0	0	WSW	2	oro	51	85	8	7200	StCu	3	aSt	10	•
Edinburgh (Inchkeith)	1019.8	-3	W	4	o	53	75	8	-	-	0	CiSt	10	3
Leuchars	1019.5	-2	SSE	3	o+	54	65	7	-	-	0	aSt	10	•
Eskdalemuir	1021.1	-1	W	3	o	54	65	8	4000	Cu	1	aSt	10	•
Tynemouth	1022.5	0	E	2	ct	49	75	7	-	-	0	aSt	8	2
Blacksod Point	1023.7	-2	S	4	oPR	53	97	7	-	Nb	10	-	10	4
Donaghadee	1022.6	-2	S	2	od	51	85	8	800	St	2	aSt	9	3
Birr Castle	1024.6	*	W	1	orr	54	85	6	2500	Nb	10	-	10	•
Holyhead	1024.5	-1	SW'W	2	o	53	75	9	5700	StCu	6	aCu	9	0
Liverpool (Bidston)	1023.3	-1	WNW	3	bct	53	65	8	4000	St	3	CiCu	6	3
Chester (Shotwick)	1023.5	-1	WNW	4	c	55	65	8	4000	Cu	1	Ci	7	•
Spurn Head	1022.6	+1	NNE	4	c	50	75	8	-	-	0	CiSt	7	3
Birmingham (Edgbaston)	1022.4	-1	NNW	4	o	57	55	7	-	-	0	CiSt	5	•
Nottingham	1022.1	0	ESE	2	c	56	65	7	2500	StCu	5	Ci	7	•
Cranwell	1023.0	0	NEN	2	bc-	54	65	8	4000	Cu	3	CiSt	5	•
Gorleston	1021.4	+1	NNW	4	bct	51	65	7	4000	Cu	5	-	5	0
Valencia (Cahirciveen)	1027.1	-1	W'N	2	ojp	53	92	6	450	St	7	aSt	10	0
Roches Point	1025.5	-1	N.W.	1	o	57	85	9	5700	StCu	10	—	10	c.
Pembroke (St. Ann's H.)	1025.5	0	N	3	bc	51	75	8	-	-	0	aCu	4	2
Ross-on-Wye	1022.5	-2	N	2	ct	61	65	8	4000	Cu	6	Ci	7	•
Benson	1022.6	-1	N	1	o	58	65	7	-	StCu	9	-	9	•
Andover	1022.2	0	N'W	3	bc	59	55	8	4000	Cu	2	Ci	6	•
S. Farnborough	1022.4	0	NW	1	o-	56	55	7	4000	Cu	4	aCu	9	•
London (Kew Obsy.)	1022.7	0	N	2	c	57	65	8	4000	StCu	6	aCu	8	•
Croydon	1022.3	0	N'E	3	c	56	55	8	4000	StCu	5	Ci	7	•
Clacton-on-Sea	1022.0	+1	N	4	bc	56	55	7	2500	Cu	5	-	5	1
Shoeburyness	1022.3	+1	N	3	b-	56	55	8	4000	Cu	3	-	3	•
Grain	1022.5	+1	N'W	3	bc	56	55	9	5700	StCu	3	Ci	5	0
Lympne	1022.3	+1	NNE	2	bc	52	65	9	5700	StCu	2	aCu	4	•
Scilly (St. Mary's)	1027.2	+2	N'E	3	c-	54	75	8	4000	StCu	8	-	8	3
Falmouth (Pendennis)	1024.7	0	N	4	b	55	65	8	5700	Cu	3	-	3	0
Plymouth (Cattewater)	1024.0	0	NW	3	bc	55	75	8	-	-	0	Ci	6	0
Portland Bill	1023.0	+2	W	2	bc	55	75	7	5700	StCu	4	-	4	1
Southampton (Calshot)	1022.9	0	NNW	2	c	60	55	8	4000	Cu	7	-	7	0
Dungeness	1022.3	0	NE	3	bc	56	55	8	4000	Cu	5	-	5	4
Jersey	1023.9	0	N	3	b	56	65	8	-	-	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. 18th.								Yesterday.	To-day.	
Kew } 24 hours ended 0700	bubccy	cyoyc	ombmw	*	*	31	-	-	7.1	*	*
Croydon } 24 hours ended 0700	cbozy	ozcy	bbcowm	*	*	35	-	-	7.0	*	*
Greenwich (Royal Obsy.)	oc	c	cbwom	61	38	28	-	-	7.9	58	75
City (Bunhill Row)	*	*	*	*	*	*	*	*	6.3	*	*
Westminster (St. James' Pk.)	*	*	*	58	45	40	-	-	6.8	46	67
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	6.8	*	*
Camden Square	bcc	cbc	*	60	43	42	-	-	*	*	62
Kensington Palace	bbc	bc	*	59	42	36	-	-	*	53(18h)	69
Hampstead Observatory	*	*	*	57	44	34	-	-	8.2	*	74

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1000 G.M.T. 14th

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

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

POLE STAR RECORD at Greenwich Obsy.

Exposure from 14th 21h. 45m. to 15th 2h. 15m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	4.30	3.48	82
δ Ursae Minoris	4.30	3.46	84

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 1 sec.	Strength.	Direc.
13h.	C, C2	7	-	160°
18h.	C	5	-	135
01h.	C, C2	5	-	100
07h.	C	5	-	125

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

18th & 19th June, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.31 / 3.31	11.54 / 11.54	8.16 / 8.17
Greenwich	3.44 / 3.44	12.1 / 12.1	8.16 / 8.18
Wick	3.7 / 3.7	12.13 / 12.13	8.13 / 8.19
Valencia	4.22 / 4.22	12.42 / 12.42	9.1 / 9.2

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.
$r_o r_o$ = 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.

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

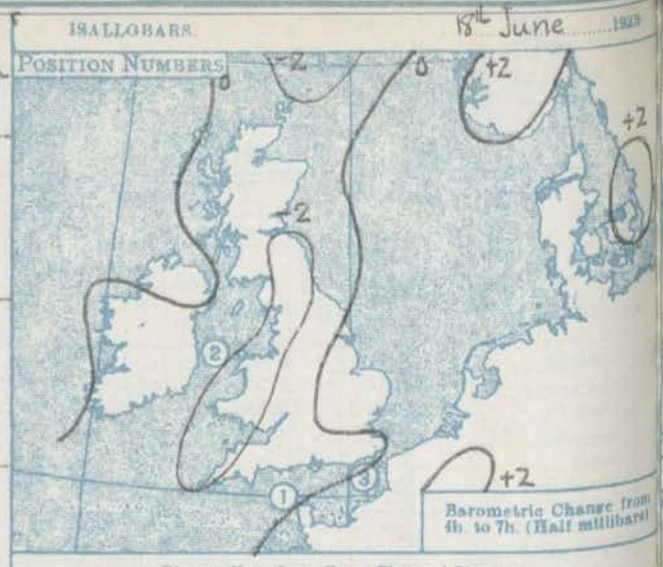
SEA DISTURBANCE.

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.

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

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 14th	13h.-18h. 14th	18h. 14th 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. 14th Hours.
Lerwick	c	c	or	omd	50	45	•	–	02	–	2400	2.0
Stornoway	c	r or d	r.d	c	50	48	•	6	1	1330	-	0.5
Wick	o.d	oo	oo	o.rm	49	47	•	0.2	0.1	<0800	0130	•
Castlebay	o.r.f	o.r.	f.r.o	oef	50	50	•	1	1	1100	-	0.0
Nairn	cbc	bccw	dcg	cg	58	47	•	1	1	1630	<2100	1.8
Aberdeen	c.o.c	c.o	o	oo	54	47	44	-	-	-	-	2.7
Malin Head	c.ov.	i.r.m	odd	oddf	53	50	•	0.6	4	1330	<2100	0.2
Renfrew	b. oo.	o.o.r.	o.r.	oo.r.o	59	48	49	trace	1	1730	<2100	4.3
Edinburgh (Inchkeith)	c	oo	o.d.	m	57	47	41	–	0.3	–	<2100	7.4
Leuchars	bv.c.o	oo	o.r	oo	58	47	44	–	3.2	–	<2100	8.0
Eskdalemuir	bc.c.o	oo	oo.r.o	o.d.m	57	44	44	–	2	–	<2100	7.5
Tynemouth	p.	b or bc	oom	r.r.	52	47	46	0.1	0.6	<0800	2400	•
Blacksod Point ...	c	p	r–d		53	47	•	0.4	10	–	–	•
Donaghadee	bc.	bc.b	o.m.r	omd	55	50	•	–	2	–	<2100	•
Birr Castle	c	c.r.r.	o.r.	co	57	52	51	0.1	1	1630	<2100	0.0
Holyhead	o.c.bc.c	o.c.bcv	i.r.d.	odrme	53	49	49	–	1	–	2400	7.1
Liverpool (Bidston) ...	b or bc	bc.c	ome		56	49	45	–	–	–	–	10.6
Chester (Shotwick) ...	bz.bc.c	c	oomd.m	od.d.m	59	49	43	–	0.2	–	2400	11.2
Spurn Head	c	c	coovc	c	53	45	•	–	–	–	–	12.0
Birmingham (Edgbaston)	b or bc	bcy	co	oddm	60	46	45	–	0.1	–	0430	7.7
Nottingham	c	c	co	ood.	59	46	43	–	trace	–	0330	8.7
Cranwell	c.o.c	c.bc	c	oor.	57	40	35	–	0.2	–	0630	8.6
Gorleston	c.bcq	c.bcq	cbc	bcc	55	45	34	–	–	–	–	10.4
Valencia (Cahirciveen)	o.bc.c	c.o	omf	ofm	56	52	52	–	–	–	–	1.2
Roches Point	o.c.o	o.c.o.	o.r.o	r.r.o	61	53	–	0.6				
Pembroke (St. Ann's H.)	c	b or bc	c	omdfd	55	49	•	–	•	–	0330	7.5
Ross-on-Wye	bc.c.bc	bcycy	cycoo	ovoc	62	48	44	–	trace	–	0530	10.5
Denson	c	bc	o	o	60	41	33	–	–	–	–	•
Andover	c.bcy	bcy	bcyr	b.o.r.	60	43	37	–	trace	–	0630	13.0
S. Farnborough ...	o.bc.c	c	o	o	59	39	36	–	–	–	–	8.3
London (Kew Obsy.) ...	bw.bc.cc	cy.oy.c	omw	bmwom	59	42	31	–	–	–	–	7.1
Croydon	c.b.ozy	ozcy	bbcbm	bowm	58	40	35	–	–	–	–	7.8
Clacton-on-Sea ...	bc.cp.bcy	bcy	bcy	bcco	58	40	32	0.5	–	0900	–	11.9
Shoeburyness	b or bc	bc.bvy	byx	cow	60	38	30	Trace	trace	–	–	11.6
Grain	c.o.c.bc	bc.c.bc	bcc	com	59	40	34	–	–	–	–	9.2
Lympne	b.c.bc.cp	c.c.bcyv	bcbvw	bow	56	41	30	0.2	trace	0900	–	11.4
Scilly (St. Mary's) ...	oo	o.c	bc	odm	55	49	•	–	trace	–	0630	1.4
Falmouth (Pendennis)	c.bc.c.	c.bc	bc	bcomd	58	47	•	–	trace	–	0230	8.8
Plymouth (Cattewater)	bc.c.bc	bc	bcb	bor	60	47	49	–	trace	–	0630	11.1
Portland Bill	b or bc	c	bbc	c	59	51	•	–	–	–	–	•
Southampton (Calshot)	c	c	bcw	om	62	48	44	–	–	–	–	12.2
Dungeness	c	b or bc	bbc	c	58	41	•	–	–	–	–	•
Jersey	c.b.	b	b	bo	59	49	•	–	–	–	–	10.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
3	17th 0200	Dieppe	N	1	c	51	53	8
2	" 1010	Scotia	NNW	4	bcv	51	50	•
3	18th 0200	Arundel	N	1	b	52	54	7

GENERAL INFERENCE.

The depression which is moving eastwards near Iceland will cause some rain or drizzle in all districts, with rather cold westerly winds probably veering to northwest later.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, June 18th, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Moderate westerly wind, freshening; cloudy, some rain or drizzle; visibility poor at times; rather cold.	Unsettled in the North, no further outlook issued for the South.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate to fresh W. to NW. winds; cloudy with some rain or drizzle, improving later; visibility poor at times, but tending to improve; rather cold.	

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

June.....1923

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ers.

Temp.		Visibility
Air.	Sea.	
51	53	5
51	50	.
52	54	7

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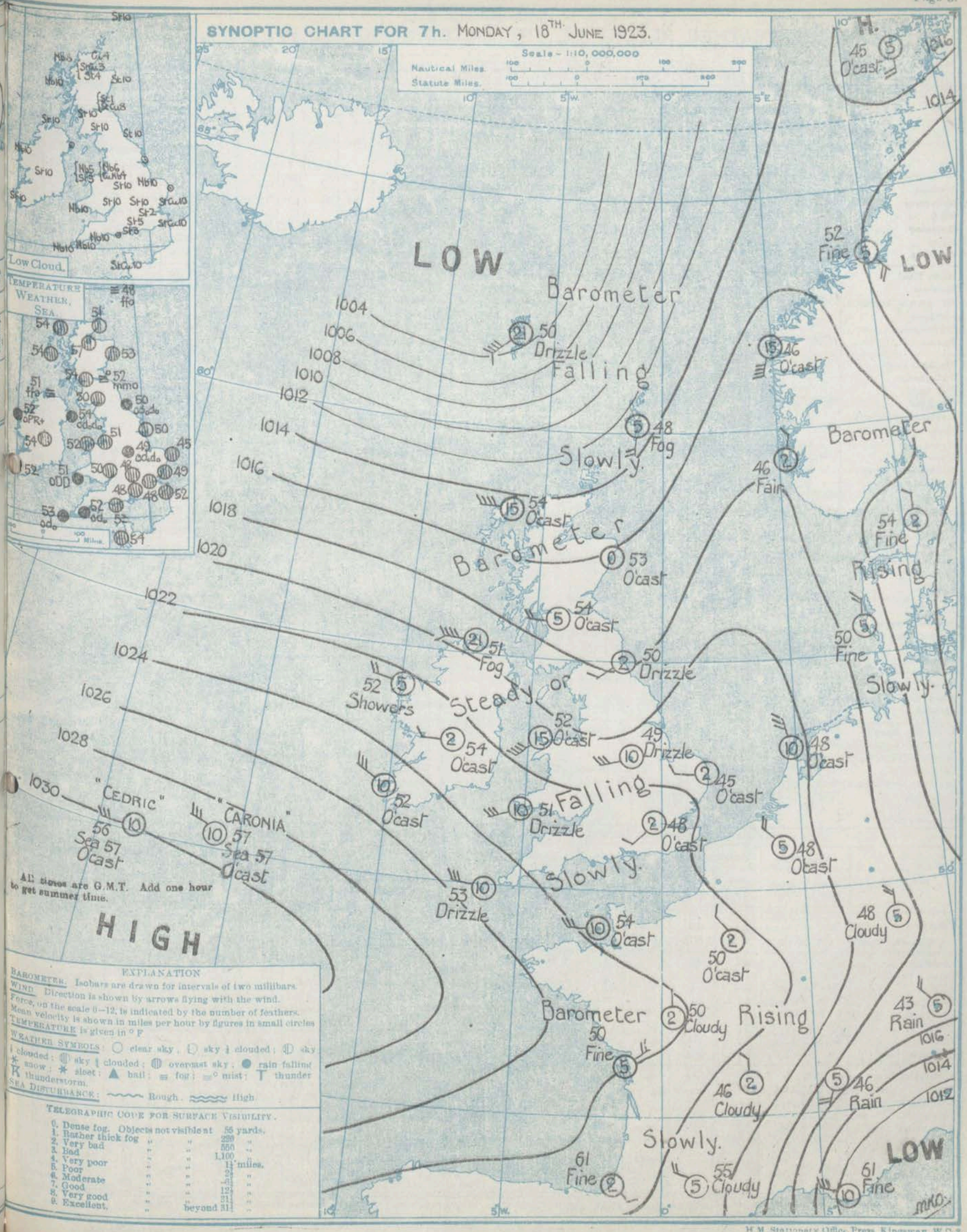

H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION ... Monday, 18th June ... 1923. No. 169

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	1015.7	-2	SSW	2	or.	46	85	7	4000	Nb	6	A St	10	•
Stornoway	1015.4	-2	SW	3	r.	•	•	4	•	•	•	•	•	•
Wick	1014.8	-3	SSW	2	0	48	97	8	1500	St	6	A St	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1018.4	-2	WSW	4	ODD	52	97	5	1500	Nb	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1018.2	-2	WSW	3	od.	49	92	7	•	St	4	A St	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1020.4	-1	SW	1	or.	50	75	6	1500	Nb	10	-	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1022.6	-2	SSW	3	odd.	51	97	6	800	Nb	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1022.0	-1	SW	2	C	46	85	7	5700	StCu	7	-	7	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1022.9	0	S'E	2	0	43	92	8	-	-	0	A St	10	•
Gorleston	1022.3	0	W'N	1	bc.	40	92	7	4000	Cu	4	-	4	•
Valencia (Cahirciveen)	1025.7	-1	W	2	0	53	97	9	•	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1024.3	-1	WSW	2	ojp	52	92	8	2500	Nb	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	44	•	•	•	•	•	•	•	•
Croydon	1023.3	0	S'W	2	b	40	97	6	-	-	0	-	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1023.3	0	N	1	b	40	92	8	-	-	0	A Cu	2	•
Scilly (St. Mary's) ...	1025.9	0	NW	3	bc+	51	92	8	4000	StCu	5	-	5	•
Falmouth (Pendennis)	1025.9	0	-	0	b	48	85	8	5700	StCu	3	-	3	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1024.3	0	NW	2	b-	53	75	7	4000	StCu	2	-	2	•
Southampton (Ua.shot)	1023.4	-1	NW	3	0	50	92	7	4000	StCu	10	-	10	•
Dungeness	1022.8	0	N	1	bc	44	85	8	4000	Nb	5	-	5	•
Jersey 7h }														•
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	1013.1	-3	S	2	ffo	48	97	3	800	St	10	-	10	1
Stornoway	1014.3	0	W	4	0+	54	97	7	1500	Nb	8	A Cu	9	3
Wick	1013.8	-1	SSW	1	C	51	97	8	5700	Cu	4	C Cu	7	0
Castlebay	1017.3	0	W	3	ffo	50	97	5	800	Nb	10	-	10	3
Nairn	1015.3	•	W.	2	C	57	75	8	1500	St	7	-	7	•
Aberdeen	1016.3	0	-	0	0	53	85	7	1500	St	10	-	10	0
Malin Head	1018.7	0	W	5	ffo	51	97	3	<150	St	10	-	10	1
Renfrew	1017.9	-1	W	2	o/r	54	92	6	1500	St	10	-	10	•
Edinburgh (Inchkeith)	1016.3	-2	W	3	mmo	52	97	6	•	St	9	-	9	2
Leuchars	1016.0	-1	W	2	0	55	85	8	1500	StCu	9	-	9	•
Eskdalemuir	1018.1	-1	SSW	3	o/r	50	97	5	<150	St	10	-	10	•
Tynemouth	1017.4	-3	SW	1	odd.	50	97	4	800	St	10	-	10	1
Blacksod Point ...	1022.5	-1	W'N	2	oPR+	52	92	7	•	Nb	10	-	10	4
Donaghadee	1019.4	0	W	1	odd.	54	97	7	-	-	0	A St	10	-
Birr Castle	1022.4	•	W	1	o/r	54	97	6	450	St	10	-	10	•
Holyhead	1020.5	-2	SW'S	4	o-	52	97	6	<150	Nb	10	-	10	3
Liverpool (Bidston) ...	1019.9	-1	WSW	1	0	51	92	6	1500	Nb	10	-	10	-
Chester (Shotwick) ...	1020.4	-2	SSE	2	o/r	52	92	6	1500	St	10	-	10	•
Spurn Head	1021.0	0	SW'S	3	C+	50	85	6	-	-	0	A St	8	2
Birmingham (Edgbaston)	1022.1	-1	WNW	2	od-	47	97	5	1500	Nb	10	-	10	•
Nottingham	1021.3	0	WSW	3	odd.	49	92	5	2500	St	10	-	10	•
Cranwell	1021.7	0	WSW	3	or.	49	92	6	800	Nb	10	-	10	•
Gorleston	1021.8	0	W	1	0	45	85	6	-	-	0	A Cu	9	0
Valencia (Cahirciveen)	1025.5	0	NW'W	3	0	52	97	6	450	St	10	-	10	0
Roches Point	1023.0	0	N.W	3	0-	54	92	8	1500	St	9	-	9	0
Pembroke (St. Ann's H.)	1022.3	-2	WSW	3	ODD	51	97	2	<150	Nb	10	-	10	3
Ross-on-Wye	1022.1	-1	SSW	1	0	50	85	8	2500	St	10	-	10	•
Benson	1022.4	0	-	0	0	48	85	6	4000	St	10	-	10	•
Andover	1022.0	0	WNW	1	or.	50	85	7	7200	StCu	7	A St	10	•
S. Farnborough ...	1022.4	-1	-	0	0	48	92	7	2500	St	5	A St	10	•
London (Kew Obsy.) ...	1022.5	0	SW	1	0	48	85	5	4000	St	2	A St	10	•
Croydon	1022.1	0	WSW	1	0	48	85	6	-	-	0	A St	10	•
Clacton-on-Sea ...	1022.2	0	WNW	2	0+	49	85	7	7200	StCu	10	-	10	0
Shoeburyness	1022.2	-1	WSW	1	0+	51	75	6	-	-	0	A Cu	10	•
Grain	1022.2	-1	-	0	0	50	85	6	2500	St	10	-	10	0
Lympne	1022.1	0	WNW	3	0	51	85	7	-	-	0	A Cu	10	•
Scilly (St. Mary's) ...	1025.0	-2	W'N	3	od.	53	92	6	4000	Nb	10	-	10	3
Falmouth (Pendennis)	1024.3	-1	W	2	od.	52	92	7	4000	Nb	10	-	10	0
Plymouth (Cattewater)	1023.5	-1	W	1	or.	52	92	6	2500	Nb	10	-	10	0
Portland Bill	1022.8	-1	NW	2	0+	53	75	7	-	-	0	A St	10	1
Southampton (Ua.shot)	1022.5	-1	NW'W	3	0	52	85	6	2500	St	3	A St	10	0
Dungeness	1022.0	-1	-	0	0	52	75	8	4000	StCu	10	-	10	2
Jersey 7h }	1023.6	0	W	3	0	54	85	8	2500	StCu	10	-	10	0
Guernsey 1h }														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 16th	Temperature. Max. Day. 17th	Rainfall.† Night 17h.-9h. 16th-17th	Rainfall.† Day 9h.-17h. 17th	Sunshine. Sunrise to 17h. 17th	Sunshine. Sunrise to Sunset. 16th
			°F.	°F.	mm.	mm.	hr.	hr.
Montrose	bc	c	41	52	0·4	-	5·6	6·7
Berwick-on-Tweed	0·bc	o·bc.o	42	53	0·3	-	5·9	8·0
Llandudno	b.	bc	48	57	-	-	9·4	1·5
Colwyn Bay ...	bc	bc	47	57	-	-	8·8	0·6
Rhyl	bc.	bc	49	56	?	?	10·7	2·2
Southport	bc.b	bc.o.bc	41	56	-	-	10·2	4·0
Blackpool	c.bc	c	40	57	-	-	9·6	2·4
Ilkley	d.c.bc	b	37	61	1	-	9·0	3·9
Harrogate	bc.b	b.bc	37	57	0·1	-	9·5	2·9
Skegness	b	b	39	54	0·2	-	11·2	9·8
Aberystwyth ...	c.b	b	44	55	-	-	11·0	3·2
Bath	bc.b.	b.bc	46	61	-	-	9·8	3·8
Leamington Spa ...	bc	c	43	59	-	-	7·5	1·0
Lowestoft	bc	c.o	42	53	1	-	9·0	5·0
Felixstowe	cp.b	bd	?	59	0·4	-	11·6	5·3
Southend	c.bc	bc	44	60	-	-	9·5	3·7

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 16th	Temperature. Max. Day. 17th	Rainfall.† Night 17h.-9h. 16th-17th	Rainfall.† Day 9h.-17h. 17th	Sunshine. Sunrise to 17h. 17th	Sunshine. Sunrise to Sunset. 16th
			°F.	°F.	mm.	mm.	hr.	hr.
Ilfracombe	bc.c.bc	bc.c.	51	58	-	-	8·5	7·7
Bude								
Penzance	o.c.	bc.c	50	57	-	-	?	?
Paignton	bc.c.	bc.c	50	61	-	-	9·5	11·6
Torquay	b	b	51	62	-	-	7·8	13·2
Weymouth	b	b.bc.c	47	66	-	-	8·7	5·3
Bournemouth ...	b.	b	46	62	0·3	-	9·5	5·5
Portsmouth (S'thsea)	b.	b.bc	48	61	-	-	10·1	4·8
Worthing	b.bc	bc	45	58	-	-	8·9	3·0
Brighton	b.bc	c.o.bc	46	59	-	-	6·2	3·2
Eastbourne	bc	bc.b	45	59	-	-	7·4	6·2
Hastings	bc.c.o.c	o.c.bc.oc	45	?58	0·1	-	8·3	3·0
Folkestone	bc	c	42	59	-	-	10·3	0·0
Tunbridge Wells ...	b.bc	bc	43	57	trace	-	6·6	1·9
Ramsgate	b	b.bc	44	56	-	-	10·7	2·9
Margate	b	b	47	54	-	-	9·5	3·0
Deal	op	c.bc.b	41	57	-	1	10·0	1·4

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* 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. B22489 TUESDAY, 19TH JUNE 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	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1011.8	-2	SW	2	odd	51	97	4	1500	St.	10	-	10	•
Stornoway	1015.1	+1	W	4	o+	55	85	7	800	St.	10	-	10	•
Wick	1013.2	0	N	2	o	57	92	9	1500	St.	6	A.Cu	10	•
Castlebay	1017.7	0	WNW	4	o/f	53	92	7	1500	St.	9	-	9	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Aberdeen	1015.5	-1	SW	3	bc-	61	75	8	4000	St.Cu	5	Ci	6	0
Malin Head	1019.5	0	WSW	5	mo-	53	97	6	2500	St.	10	-	10	•
Renfrew	1017.6	-1	W	3	o+	63	75	8	2500	St.Cu	9	-	9	0
Edinburgh (Inchkeith)	1015.8	0	WSW	2	b	64	75	7	*	St.Cu	2	Ci.Cu	3	•
Leuchars	1015.4	-1	W	1	c	68	65	8	2500	St.Cu	7	-	7	0
Eskdalemuir	1016.8	-1	WNW	3	bc-	66	75	6	1500	St.Cu	6	-	6	0
Tynemouth	1016.5	-2	W	1	o/r	59	85	6	1500	St	10	-	10	•
Blacksod Point	1022.8	+1	SW	4	mo+	50	97	4	*	-	0	A.St	10	•
Donaghadee	1019.5	0	N	1	c	54	92	5	2500	St.	8	-	8	•
Birr Castle	1022.5	*	W	1	o-	61	85	8	4000	Cu	9	-	9	•
Holyhead	1020.4	0	WNW	2	od₀	55	97	6	450	St.	10	-	10	1
Liverpool (Bidston)	1019.8	0	W	2	o/f	55	92	6	800	Nb	10	-	10	•
Chester (Shotwick)	1019.8	0	NW	4	o	56	85	6	800	St	10	-	10	5
Spurn Head	1020.2	0	SW	3	o	58	75	5	1500	St.Cu	10	-	10	•
Birmingham (Edgbaston)	1020.5	-1	SW	2	o-	57	85	7	5700	St.Cu	10	-	10	1
Nottingham	1020.1	-1	SW	2	o	55	85	6	2500	St.	10	-	10	•
Cranwell	1020.8	-1	SSW	3	od₀	55	85	6	1500	St.	10	-	10	1
Gorleston	1021.0	-1	SSE	3	bc	54	65	7	4000	St.Cu	2	Ci.Cu	4	•
Valencia (Cahirciveen)	1025.4	0	NW	3	o	56	92	7	450	St.	10	-	10	1
Roches Point	1023.6	0	NW	3	c-	63	85	8	4000	St.Cu	6	Ci.St	7	•
Pembroke (St. Ann's H.)	1021.5	0	N	3	ODD	55	97	3	<150	Nb	10	-	10	•
Ross-on-Wye	1020.5	-2	SW	2	o	59	75	6	2500	St.	10	-	10	0
Benson	1020.0	-1	SSW	2	o/r	57	75	6	-	St.Cu	10	-	10	1
Andover	1021.4	0	SW	1	o	56	75	7	2500	St.Cu	8	A.St	10	0
S. Farnborough	1021.9	0	WSW	1	or₀	57	65	6	2500	St.	9	-	9	1
London (Kew Obsy.)	1021.5	-1	SW	2	o	59	65	7	4000	Cu	4	Ci.St	10	1
Croydon	1021.1	-1	W	2	o/r	59	~~92~~ 65	7	4000	St.Cu	10	-	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*			*		*	*
Shoeburyness	1021.4	-1	W	1	bc-	62	55	7	7200	Cu	2	Ci.St	4	*
Grain	1021.0	-1	NE	1	bc-	58	55	6	4000	Cu	2	A.Cu	6	0
Lympne	1021.2	-1	SW	3	o-	56	75	8	2500	Cu	7	A.Cu	9	0
Scilly (St. Mary's)	1023.5	0	NWW	4	mo	56	97	5	2500	St.	10	-	10	•
Falmouth (Pendennis)	1022.0	0	NW	3	od₀d₀	56	92	7	1500	Nb	10	-	10	•
Plymouth (Cattewater)	1021.6	-2	SW	2	or₀d	55	97	5	<150	St.	10	-	10	1
Portland Bill	1022.7	0	NW	2	o/r	53	85	7	2500	St.Cu	10	-	10	•
Southampton (Calshot)	1021.9	-1	SW	3	o/r	58	65 (overwritten)	[illegible]	4000	St.Cu	5	A.St	10	0
Dungeness	1021.7	-1	SW	2	c	58	65	8	-	-	0	Ci.Cu	7	•
Jersey	1022.4	0	W	3	o/r	54	85	8	4000	St.Cu	10	-	10	•

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	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1011.6	0	WSW	2	o-	51	85	6	1500	St	6	Ci.St	9	1
Stornoway	1016.6	+1	WNW	4	o	52	92	6	450	St	10	-	10	3
Wick	1013.6	0	NW	3	o	54	92	8	4000	Cu.Nb	6	Ci.St	10	0
Castlebay	1018.7	+1	W	4	mo+	52	85	7	800	St	10	-	10	3
Nairn	1014.4	*	W	3	bc-	61	65	7	1500	Cu	3	A.Cu	6	•
Aberdeen	1016.1	+1	SSW	2	bc	60	75	7	4000	St.Cu	3	Ci.St	4	0
Malin Head	1019.9	+1	WNW	4	o/r	51	97	7	1500	St	10	-	10	1
Renfrew	1017.6	0	WNW	4	bc-	58	85	8	800	St	6	-	6	•
Edinburgh (Inchkeith)	1015.4	0	WSW	3	bc	60	85	8	-	St	1	Ci.St	4	2
Leuchars	1013.7	-1	WSW	4	b-	71	55	8	4000	Cu	1	Ci	2	•
Eskdalemuir	1017.1	0	W	3	c	60	75	7	4000	St.Cu	7	-	7	•
Tynemouth	1016.1	-2	SSW	1	o/p	58	92	6	1500	St	10	-	10	1
Blacksod Point	1023.2	+1	SW	4	o	53	92	8	-	-	0	A.St	10	4
Donaghadee	1019.7	0	N	1	bc	54	92	8	-	-	0	A.St	6	2
Birr Castle	1022.0	*	W	1	c-	64	75	8	4000	Cu	8	-	8	•
Holyhead	1019.9	-1	SW	2	o+	57	92	7	2500	St.Cu	10	-	10	0
Liverpool (Bidston)	1018.9	-1	W	3	bc-	59	85	7	2500	Cu.Nb	3	Ci	5	2
Chester (Shotwick)	1019.3	-1	NW	3	o-	60	85	7	1500	St.Cu	7	Ci.Cu	9	•
Spurn Head	1019.1	-1	S	2	o	56	85	6	1500	St	10	-	10	1
Birmingham (Edgbaston)	1019.7	-1	SW	2	o	57	85	6	5700	St.Cu	10	-	10	•
Nottingham	1019.2	-1	SW	2	od₀+	56	97	5	2500	St	10	-	10	•
Cranwell	1020.1	-1	SW	2	o	55	92	6	1500	St	10	-	10	•
Gorleston	1020.2	-1	SSE	5	b₀-	53	85	7	-	-	0	-	0	1
Valencia (Cahirciveen)	1024.7	-1	WNW	3	o+	55	92	6	450	St	7	A.St	10	3
Roches Point	1022.1	-0	NW	3	bc+	62	85	8	-	-	0	A.Cu	4	0
Pembroke (St. Ann's H.)	1021.2	-1	Calm	0	o/im	54	97	8	2500	St.Cu	10	-	10	2
Ross-on-Wye	1019.7	-1	SW	1	o	59	85	6	2500	St	10	-	10	•
Benson	1020.3	-1	SW	1	o	57	85	8	-	St	10	-	10	•
Andover	1020.6	-1	SSW	1	od₀	54	92	6	1500	Nb	9	A.St	10	•
S. Farnborough	1019.3	-1	W	1	o	57	75	6	4000	St.Cu	10	-	10	•
London (Kew Obsy.)	1020.3	-1	SW	2	o	59	65	7	5700	St.Cu	9	-	9	•
Croydon	1020.3	-1	WSW	2	o	57	75	7	4000	St.Cu	9	-	9	•
Clacton-on-Sea	1020.2	-1	SE	4	b₀-	55	85	7	-	-	0	-	0	2
Shoeburyness	1020.3	-2	SSE	1	c+	57	75	7	4000	St	5	A.Cu	7	•
Grain	1020.1	-1	S	2	o+	59	75	7	2500	St	9	-	9	0
Lympne	1020.6	0	SW	2	o	54	75	8	4000	St.Cu	7	A.St	10	•
Scilly (St. Mary's)	1022.9	-1	WNW	3	o	54	97	5	1500	St	10	-	10	3
Falmouth (Pendennis)	1022.0	0	N	2	o/r	55	92	6	1500	St	10	-	10	1
Plymouth (Cattewater)	1020.6	-1	NNW	3	o-	58	85	8	1500	St	10	-	10	0
Portland Bill	1021.0	-2	NW	2	o	53	85	7	2500	St	10	-	10	1
Southampton (Calshot)	1020.9	-1	SW	2	o	55	85	8	4000	St.Cu	7	A.St	10	0
Dungeness	1020.7	-1	WSW	3	c	56	75	8	-	-	0	Ci.Cu	8	3
Jersey	1021.3	-1	WSW	3	o/r	53	92	6	1500	Nb	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 9h. G.M.T. % (To-day)
	24 HOURS ENDED 0900 G.M.T. 19th										
Kew (24 hours ended 0700)	om₀r₀cp	oo	omrom	•	•	49	04	1	06	•	•
Croydon (24 hours ended 0700)	or₀cz	o	omdd₀	•	•	49	06	02	03	•	•
Greenwich (Royal Obsy.)	o	o	ord	65	52	45	-	05	02	59	96
City (Bunhill Row)	•	•	•	•	•	•	•	•	03	•	•
Westminster (St. James' Pk.)	•	•	•	62	50	52	/		03	62	96
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	02	•	•
Camden Square	o	oc	•	63	53	52	03	05	•	•	97
Kensington Palace	o	o	•	61	53	51	04	1	•	67 (18h)	100
Hampstead Observatory	•	•	•	60	51	50	05	0.5	0.9	•	99

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 18th

South Kensington Max.	Time.	Min.	Time.
0.3	23h 17th	0.3	2h 18th
1.0	8h 18th		

Kew Observatory Max.	Time.	Min.	Time.
1.0	9h 18th	<0.3	16h 17th
0.4	14h 18th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 18th 21 h. 45 m. to 19 02 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	4.30	0.0	-
δ Ursae Minoris	4.30	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 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.	C₁C₂	6	-	100°
18h.	C	5	-	85°
01h.	C	4	-	70
07h.	C	5	-	60

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

19th & 20th June, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.31 / 3.31	11.54 / 11.54	8.17 / 8.17
Greenwich	3.44 / 3.44	12.1 / 12.1	8.18 / 8.18
Wick	3.7 / 3.7	12.13 / 12.13	9.19 / 9.19
Valencia	4.22 / 4.22	12.42 / 12.42	9.2 / 9.2

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.
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.
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 33 feet above the ground.

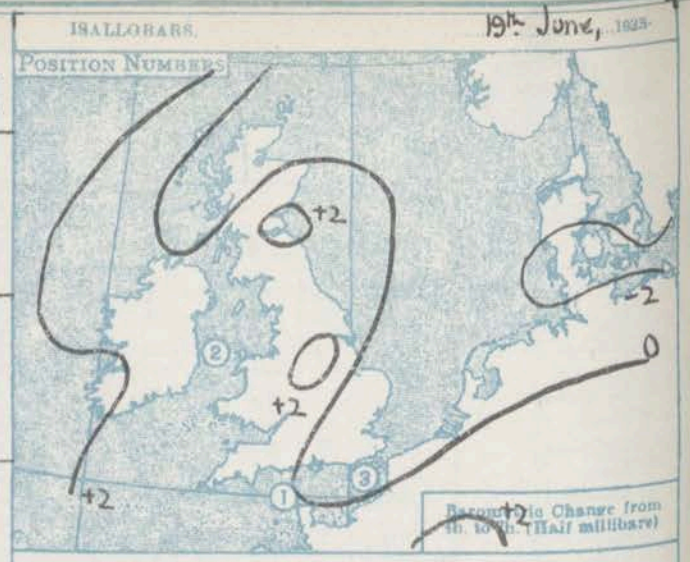
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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

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. 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	omd	om	or	c	52	46	•	0·3	0.1	<0800	0230	0.0
Stornoway	c	oo	c	cpr	57	46	•	–	0.5	–	–	2.9
Wick	oo	oo	oo	op.r	60	46	•	–	trace	–	0530	•
Castlebay	Fdom	omof.	omofm	omo	54	48	•	1	–	–	–	0.8
Nairn	cbcb	bbc	bcg	bc	73	49	•	–	–	–	–	10.5
Aberdeen	ocbc	bcbg	b	b	64	50	40	–	–	–	–	5.2
Malin Head	FFoe	foid.	mcov	cov	54	49	•	0·2	–	1330	–	0.8
Renfrew	od.bc	bebc	bcc	co	66	49	43	trace	–	–	–	6.3
Edinburgh (Inchkeith)	mbc	bc	bc	c	67	47	45	–	–	–	–	9.6
Leuchars	obc	cbcb	bb	b.b	74	45	32	–	–	–	–	11.5
Eskdalemuir	omoco	c	cbc	bcb	69	42	35	–	–	–	–	5.4
Tynemouth	oir.	om	bbcm	oo	61	49	44	0·2	–	–	–	•
Blacksod Point ...	r.d	oo	c		55	45	•	0·2	–	–	–	•
Donaghadee	bc	of	c	o	57	50	•	0·1	–	<0800	–	•
Birr Castle	occo	co	co	co	67	49	48	–	–	–	–	2.8
Holyhead	oid.m	ocbco	oo	oo	65	51	50	0·1	–	<0800	–	2.1
Liverpool (Bidston) ...	om	om	mdo		60	50	47	–	trace	–	<2100	0.3
Chester (Shotwick) ...	od.d.om	omo	oom	omoq	60	51	49	trace	–	0900	–	0.2
Spurn Head	o3moq	op.do	oo m	omomid	60	52	•	trace	trace	1430	0330	0.1
Birmingham (Edgbaston)	oddm	og	orm	oo	58	50	49	1	1	–	<2100	0.0
Nottingham	id.	od	d.d.	oo	57	52	51	trace	1	<0800	<2100	0.0
Cranwell	roid.	id.o	ofe	ood.	58	50	49	0·2	trace	<0800	0530	0.0
Gorleston	bc	bcb	bcbv	oo	55	49	40	–	trace	–	0630	8.0
Valencia (Cahirciveen)	oo	com	omo	ocbc	57	50	47	–	–	–	–	0.1
Roches Point	oc	cbcb	o	obc	64	51		–	–			
Pembroke (St. Ann's H.)	ofdd	ofd	oo	oo	61	52	•	3	–	0900	–	0.3
Ross-on-Wye	dmo	do	idm	oo	61	56	54	trace	0.5	0800	<2100	0.0
Benson...	r.o	oo	oop.	ooir	59	53	53	0·4	3	<0800	2200	•
Andover	or.o	ood.	od.o	orcfom	57	52	52	trace	0.6	<0800	<2100	0.0
S. Farnborough ...	r.r.	or	o	or.m	60	52	52	0·2	1	<0800	0230	0.0
London (Kew Obsy.) ...	omircp.	oo	omcm	cmoram	61	53	49	0·4	1	<0800	0530	0.6
Croydon	or.r.3	o	om	omd.d.	60	51	49	0·6	0.2	0900	0430	0.3
Clacton-on-Sea ...	ocbc	bc.b	c	bcogd	58	51	45	–	trace	–	0630	8.6
Shoeburyness	bcbcy	bcyc	c	ood.m	63	47	38	–	trace	–	0630	3.1
Grain	ombc3	bccoz		ocoed	62	49	34	–	–	–	–	3.06
Lympne	oo	oco	obw	boifm	58	42	31	–	trace	–	–	3.1
Scilly (St. Mary's) ...	omif	ifom	o	oc	57	51	•	2	–	<0800	–	0.0
Falmouth (Pendennis)	omd	omdom	co	com	59	47	•	10	–	1730	–	0.0
Plymouth (Cattewater)	orrm	ofmo	oo	obco	59	56	51	0·4	–	<0800	–	0.1
Portland Bill	r.d	oo	ifo	f.m	55	53	•	trace	–	0900	–	•
Southampton (Calshot)	ofo.r.	oo	oo	oifm	55	53	52	trace	trace	0900	0530	0.0
Dungeness	c	c	bbc	c	59	47	•	–	–	–	–	•
Jersey	obcod	od.o	o	o	57	51	•	0·2	–	1100	–	0.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	18th 1000	Scotia	NW	2	-	55	51	7
3	19th 0200	Dieppe	-	0	b	53	54	7

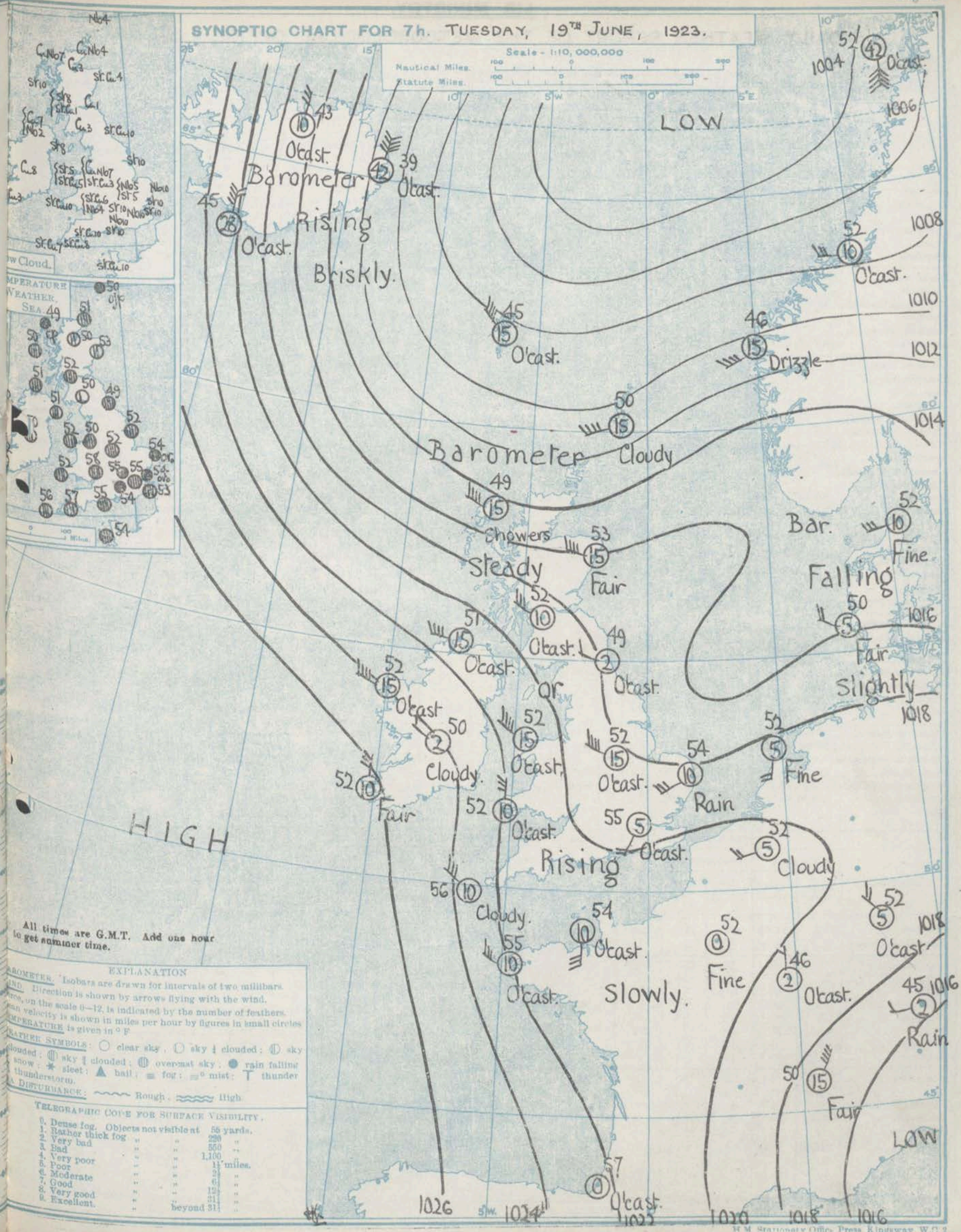
GENERAL INFERENCE.

Pressure is rising again in Iceland and for the next 24 hours winds are likely to be from NW. or N. with cool weather and local showers.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 19th June, 1923.	Further Outlook.
1. S.E. England 2. E. England	Wind W. to NW., moderate; cloudy, local showers, brighter intervals; visibility mainly good; rather cool.	Unsettled.
3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind NW. to N., moderate; variable sky, showers in places; visibility mainly good; rather cool.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind NW., to N., moderate or fresh; cloudy, some showers; visibility mainly good; cool.	
~~17. N.W. Ireland~~ 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 3 - 10.	

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.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION.....TUESDAY 19th JUNE.....1923. No. 170

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	Sun. 0-9
Lerwick	1011.6	0	WSW	2	o/c	49	75	6	4000	Nb	10	-	10	•
Stornoway	1017.2	0	W	2	0	•	•	5	•	•	•	•	•	•
Wick	1014.9	0	WNW	1	0	49	85	8	4000	CuNb	7	A.St	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1021.5	+1	NW	4	bc-	50	85	8	5700	Cu	6	-	6	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1016.7	0	WSW	4	b	50	92	8	•	St	1	C.St	3	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1017.0	0	W	2	b	53	85	7	1500	St	3	-	3	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1021.1	+1	N	2	0	52	92	8	2500	StCu	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1017.6	-3	S	1	mo	55	92	4	800	St	10	-	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1020.0	0	SW	2	ffo	55	97	3	<150 500	St	10	-	10	•
Gorleston	1019.9	0	S'W	2	b+	49	92	7	-	-	0	A.Cu	2	•
Valencia (Cahirciveen)	1025.8	+4	W'N	2	mo+	51	92	6	•	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1021.6	0	WNW	2	0	54	92	8	2500	St	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	55	•	•	•	•	•	•	•	•
Croydon	1020.9	0	S'W	2	0	51	92	6	2500	StCu	10	-	10	•
Cleeton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1021.1	0	WNW	2	b	46	92	7	-	-	0	-	0	•
Scilly (St. Mary's) ...	1023.0	0	NW	2	o/f	53	97	7	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1022.9	0	N	2	0+	55	97	7	5700	StCu	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1021.2	0	-	0	fo	54	92	3	800	St	10	-	10	•
Southampton (Ca.shot)	1021.3	0	SW'S	2	0	54	92	7	4000	StCu	3	A.St	10	•
Dungeness	1021.1	-1	WSW	1	b	46	97	8	-	-	0	-	0	•
Jersey 7h } ... ... 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	Sun. 0-9
Lerwick	1010.7	-1	WSW	4	c/p	50	85	6	4000	Nb	4	ACu	7	3
Stornoway	1015.9	0	WNW	4	c/p	49	92	7	1500	CuNb	7	-	7	3
Wick	1014.3	-1	WNW	2	o/r	51	85	8	2500	CuNb	4	A.St	10	0
Castlebay	1019.5	0	WNW	5	o/f	50	75	7	2500	St	10	-	10	4
Nairn	1016.2	•	W	2	bc	50	65	8	4000	Cu	3	ACu	5	•
Aberdeen	1016.2	0	WNW	4	bc+	53	65	8	4000	StCu	4	-	4	0
Malin Head	1021.5	0	WNW	4	o	51	75	8	5700	Cu	9	-	9	4
Renfrew	1019.2	+1	NW	3	o	52	75	7	1500	St	9	-	9	•
Edinburgh (Inchkeith)	1017.7	+2	WNW	4	b	50	85	7	•	Cu	1	A.St	2	2
Leuchars	1016.9	+1	WNW	3	b	53	65	8	-	-	0	-	0	•
Eskdalemuir	1018.3	+1	NNW	5	b+	50	65	7	4000	Cu	3	-	3	•
Tynemouth	1017.8	+1	WNW	1	0	49	85	6	4000	StCu	10	-	10	1
Blacksod Point ...	1023.5	+1	NNW	4	o	52	85	7	-	-	0	A.St	10	1
Donaghadee	1021.3	0	W	3	c	51	75	8	2500	St	8	-	8	3
Birr Castle	1024.7	•	NW	1	c	50	92	7	2500	Cu	8	-	8	•
Holyhead	1021.8	+1	NNW	4	o	52	75	7	2500	St	10	-	10	3
Liverpool (Bidston) ...	1020.0	+1	WNW	5	o/r	50	75	7	1500	CuNb	10	-	10	4
Chester (Shotwick) ...	1020.0	0	NW	6	o	52	75	7	1500	St	10	-	10	
Spurn Head	1017.2	0	NNW	5	o/r	52	92	6	1500	St	10	-	10	1
Birmingham (Edgbaston)	1020.1	+1	NNW	5	o	50	85	6	2500	CuNb	10	-	10	•
Nottingham	1018.8	+2	NW	4	o	52	85	6	1500	Nb	10	-	10	
Cranwell	1018.6	0	NW	4	od	50	92	7	800	Nb	10	-	10	0
Gorleston	1018.6	-1	SW'S	3	or+	54	85	5	4000	Nb	10	-	10	
Valencia (Cahirciveen)	1026.7	+2	N'W	3	bc-	52	85	7	2500	StCu	3	ACu	5	0
Roches Point	1024.5	+1	WNW	4	bc-	52	92	8	-	-	0	ACu	4	0
Pembroke (St. Ann's H.)	1021.9	+1	N	3	o	52	85	8	2500	StCu	10	-	10	•
Ross-on-Wye	1019.5	0	WNW	3	o	58	85	8	2500	StCu	10	-	10	•
Benson...	1019.0	0	S	1	or	55	97	6	•	St	10	-	10	
Andover	1019.6	0	SW'S	2	o/r	54	97	4	220	St	10	-	10	•
S. Farnborough ...	1019.6	-1	WSW	2	orc	54	97	6	1500	Nb	10	-	10	•
London (Kew Obsy.)...	1019.4	-1	SSW	2	o/r	55	92	4	1500	Nb	10	-	10	•
Croydon	1019.5	-1	SW	3	odd	53	97	6	450	Nb	10	-	10	•
Cleeton-on-Sea ...	1018.9	-1	SW	3	od+	54	85	6	1500	St	10	-	10	1
Shoeburyness	1019.4	-2	NNW	2	odd	53	85	3	4000	St	10	-	10	•
Grain	1019.3	-2	SW	4	od+	53	92	6	800	Nb	10	-	10	0
Lympne	1020.1	-1	SW	2	o/f	50	97	6	4000	StCu	10	-	10	•
Scilly (St. Mary's) ...	1023.9	0	NNW	3	c-	56	92	8	4000	StCu	7	-	7	3
Falmouth (Pendennis)	1021.9	0	NW	2	c-	57	92	7	4000	StCu	8	-	8	0
Plymouth (Cattewater)	1021.0	0	-	0	o	57	97	6	5700	StCu	10	-	10	0
Portland Bill	1021.2	0	SSE	3	o/f	55	85	6	1500	St	10	-	10	0
Southampton (Ca.shot)	1020.1	-1	SW	3	mno	55	97	6	450	St	10	-	10	3
Dungeness	1020.1	-1	SW	3	o+	53	92	8	1500	St	10	-	10	
Jersey 7h } ... ... Guernsey 1h }	1021.2	0	S	3	o	54	85	8	4000	StCu	10	-	10	

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 17-18 °F.	Temperature. Max. Day. 18 °F.	Rainfall.† Night 17h.-9h. 17-18 mm.	Rainfall.† Day 9h.-17h. 18 mm.	Sunshine. Sunrise to 17h. 18 hr.	Sunshine. Sunrise to Sunset. 17 hr.
Montrose	cbc	bcb3	47	65	0.4	-	6.9	6.4
Berwick-on-Tweed	o	obcbc	54	61	1	-	2.0	5.9
Llandudno	od	odo	50	61	0.3	-	0.0	0.6
Colwyn Bay ...	c	c	49	61	1	-	0.0	10.0
Rhyl...	bc	bc	49	60	0.1	-	0.4	11.4
Southport	oco	oco	50	58	1	-	?0.0	11.0
Blackpool	od	o	50	58	1	-	0.0	10.3
Ilkley	omd	o	47	59	0.3	-	0.0	9.0
Harrogate	odo	o	47	58	2	-	0.0	9.3
Skegness	oco	o	41	64	-	-	0.5	2.8
Aberystwyth ...	roc	o	50	59	2	-	0.0	11.5
Bath	ogd	og	50	57	-	0.3	0.0	11.7
Leamington Spa ...	or	o	46	60	-	-	0.0	9.0
Lowestoft	ocb	b	39	56	-	-	4.5	10.3
Felixstowe	o	b	43	55	-	-	6.0	13.5
Southend	oc	bcc	45	64	-	-	3.5	10.4

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 17-18 °F.	Temperature. Max. Day. 18 °F.	Rainfall.† Night 17h.-9h. 17-18 mm.	Rainfall.† Day 9h.-17h. 18 mm.	Sunshine. Sunrise to 17h. 18 hr.	Sunshine. Sunrise to Sunset. 17 hr.
Ilfracombe	od	o	51	57	1	0.1	0.0	10.5
Bude	odmd	oodom	50	57	3	1	0.0	9.2
Penzance	ord	oc	48	59	2	0.2	-	-
Paignton	oodp	o	47	61	-	-	0.0	10.7
Torquay	d	d	49	60	-	1	0.0	9.1
Weymouth	oc	oco	49	57	-	-	0.0	10.3
Bournemouth ...	o	o	49	57	•	•	0.0	11.7
Portsmouth (S'thsea)	o	o	49	59	-	-	0.0	10.2
Worthing	o	o	43	59	-	-	0.0	9.8
Brighton	o	c	45	60	-	-	0.3	6.2
Eastbourne	o	obc	42	59	-	-	0.5	8.6
Hastings	o	ocbcc	46	59	-	-	1.9	8.9
Folkestone	bc	bc	46	61	-	-	4.6	11.5
Tunbridge Wells ...	o	o	38	60	-	-	0.0	7.6
Ramsgate	bc	b	41	58	-	-	5.5	12.6
Margate	oc	bcb	45	59	-	-	4.0	11.6
Deal	oc	cbcb	40	62	-	-	5.0	12.0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm § For code see page 8. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 22490 WEDNESDAY, 20th JUNE 1923.

STATIONS.	Observations at 1300 G.M.T. 19th: 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.	Observations at 1800 G.M.T. 19th: 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. 0-9
Lerwick	1022.2	13	N	2	c/r	50	75	8	·	·	0	ASr	8	·	1013.7	+3	NW	3	c+	50	65	7	4000	Cu	2	ACu	7	2
Stornoway	1016.6	+1	NNW	4	cpr	51	92	7	1500	CuNb	8	·	8	·	1017.8	+1	NNW	4	o+	52	85	7	1500	CuNb	9	·	9	3
Wick	1019.1	0	NW	2	o	54	85	8	1500	Nb	6	CiCu	10	·	1015.5	+2	NNW	2	o/r	50	92	8	1500	Nb	6	ASr	10	0
Castlebay	1019.9	0	NNW	4	c-	51	85	8	2500	Sr	7	·	7	·	1020.8	0	NW	4	o	52	85	7	1500	Sr	9	·	9	4
Nairn	*	*	*	*	*	*	*							·	1017.3	*	W	4	c+	55	85	8	1500	Cu	8	·	8	·
Aberdeen	1016.4	0	NW	4	o,pr	54	75	7	2500	CuNb	9	·	9	0	1016.1	0	NW	3	opr	54	75	8	2500	CuNb	9	·	9	0
Malin Head	1021.9	0	NNW	5	0	52	85	8	4000	Cu	1	ACu	9	·	1022.2	0	NW	6	ojp	51	85	8	2500	Nb	6	ACu	9	4
Renfrew	1019.4	0	W	3	cpr	54	75	8	4000	StCu	8	·	8	0	1018.6	-1	NNW	4	bc-	53	75	8	2500	Cu	4	·	4	·
Edinburgh (Inchkeith)	1016.8	-1	W	4	cpr	54	65	8	*	Cu	3	CiSr	8	·	1016.1	-1	NNW	4	opr	53	65	8	*	Sr	9	·	9	3
Leuchars	1016.5	-1	NNW	3	o+	58	55	8	4000	StCu	9	·	9	0	1016.0	0	NNW	3	ojp	56	55	8	4000	Nb	10	·	10	·
Eskdalemuir	1016.2	0	NNW	3	0	57	65	7	4000	StCu	9	·	9	0	1017.4	-1	N'N	5	c	52	75	7	1500	StCu	7	ACu	8	·
Tynemouth	1018.0	0	SE	1	0	52	85	7	4000	StCu	10	·	10	·	1017.1	-1	W	1	o	54	75	6	4000	StCu	10	·	10	0
Blacksod Point	1026.6	+2	NW'N	4	c-	56	75	8	*	CuNb	7	·	7	·	1026.5	+1	NNW	4	o	54	85	8	·	·	0	ASr	10	4
Donnghadee	1021.8	0	NNW	3	bc-	55	75	8	2500	Sr	6	·	6	·	1021.3	0	NNW	3	c+	52	75	8	2500	Sr	7	·	7	3
Birr Castle	1024.3	*	NW	1	c-	60	65	8	4000	StCu	7	·	7	·	1024.3	*	NW	2	c	59	65	8	4000	StCu	7	·	7	·
Holyhead	1022.7	0	NNW	3	c-	54	75	7	4000	StCu	8	·	8	0	1022.0	-1	NW'N	4	c	53	75	7	4000	StCu	8	·	8	4
Liverpool (Bidston)	1021.6	0	W'N	6	bc+	56	65	7	2500	StCu	5	·	5	·	1020.3	-1	NNW	5	o+	52	75	7	1500	CuNb	9	·	9	4
Chester (Shotwick)	1020.0	0	NNW	6	b-	57	65	8	2500	Cu	3	·	3	0	1019.8	0	NNW	5	o	54	75	8	1500	Sr	10	·	10	·
Spurn Head	1018.3	+1	N	4	o	53	85	7	4000	StCu	10	·	10	·	1018.0	-1	ENE	1	c	52	85	7	2500	Sr	10	·	10	1
Birmingham (Edgbaston)	1020.2	0	NNW	5	o	54	65	6	4000	StCu	10	·	10	·	1019.4	-1	NNW	6	bc-	56	65	7	5700	StCu	6	·	6	·
Nottingham	1018.6	0	NW	4	o	53	75	6	2500	Nb	9	ACu	10	·	1017.9	-1	NW	4	c	56	65	7	2500	StCu	4	ACu	7	·
Crauwell	1018.9	0	W'N	3	o	53	75	6	2500	Sr	10	·	10	1	1018.1	-1	NE'N	1	odo	55	85	8	1500	Sr	10	·	10	·
Gorleston	1017.7	0	NW	3	odo	54	85	6	2500	Nb	10	·	10	·	1017.7	0	NNW	3	o-	54	75	7	5700	StCu	10	·	10	0
Valencia (Cahirciveen)	1022.5	0	NNW	4	b-	56	75	8	2500	StCu	1	·	1	0	1022.3	-1	NNW	5	b	56	75	8	2500	StCu	1	·	1	3
Roches Point	1026.0	0	NW	4	bc-	61	75	8	—	—	0	CiSt	2	·	1024.2	0	NW	4	bc	58	85	8	4000	StCu	1	Ci	2	0
Pembroke (St. Ann's H.)	1022.6	+1	N	4	bc	56	65	8	4000	StCu	4	·	4	·	1023.4	-1	WNW	2	bc	54	85	8	4000	StCu	3	Ci	4	3
Ross-on-Wye	1020.1	0	N	3	bc-	60	65	8	4000	StCu	6	·	6	0	1020.1	0	W	3	c+	57	55	8	4000	StCu	7	·	7	·
Benson	1019.6	0	NW	4	c/r	59	65	7	*	Cu	7	·	7	1	1018.9	-1	NNW	4	b-	58	65	8	2500	Cu	1	·	1	·
Andover	1019.2	0	W	3	o/r	61	75	7	2500	StCu	6	ACu	9	1	1018.6	0	N'E	4	bc-	60	65	8	2500	StCu	4	·	4	·
S. Farnborough	1019.0	0	NW	3	c-	61	75	6	2500	Cu	8	·	8	1	1018.6	-1	N.W.	3	bc.	58	55	7	3000	Cu	3	≡ acu	5	·
London (Kew Obsy.)	1019.3	0*	NW	2	0	59	65	7	2500	StCu	10	·	10	1	1018.4	-1	NW	3	c	59	55	7	4000	StCu	7	·	7	·
Croydon	1019.0	0	NW'N	3	o/r	57	75	6	1500	Sr	10	·	10	1	1018.3	-1	NW'N	3	c	57	65	6	4000	StCu	8	·	8	·
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1017.9	0	NNW	3	o	56	85	6	7200	StCu	10	·	10	0
Shoeburyness	1018.2	-1	NNW	4	o/r	58	75	7	4000	StCu	8	ASr	10	·	1017.8	-1	NNW	1	mmo	58	75	6	2800	Sr	10	·	10	·
Grain	1018.2	-1	NW	4	o/r	57	85	7	1500	Sr	10	·	10	1	1017.5	0	NW'N	4	o	58	65	7	2500	StCu	10	·	10	0
Lympne	1018.6	-2	W'S	3	odo	54	97	1	450	Nb	10	·	10	3	1017.4	-1	N'W	3	bc	56	75	6	800	Sr	6	·	6	·
Scilly (St. Mary's)	1024.3	+1	N'E	4	c	57	75	7	4000	Cu	7	·	7	·	1024.5	0	NW'N	4	c-	56	75	8	4000	StCu	1	Ci	8	4
Falmouth (Pendennis)	1024.0	+1	N	5	bc-	58	65	7	4000	Cu	8	·	8	·	1023.7	0	N	4	b	58	75	7	5700	Cu	3	·	3	0
Plymouth (Cattewater)	1021.4	+1	NNW	4	bc	59	75	8	5700	StCu	1	ACu	5	0	1020.8	-1	N	6	b	57	65	8	5700	StCu	1	CiSr	2	0
Portland Bill	1020.6	-1	WSW	3	bc-	60	75	6	1500	StCu	6	·	6	·	1019.0	-1	NNW	4	b-	59	75	7	·	·	0	·	0	3
Southampton (Calshot)	1019.2	-1	NNW	3	mmo	61	75	6	1500	CuNb	10	·	10	0	1018.3	-1	NNW	4	b-	63	75	7	2500	StCu	1	·	1	0
Dungeness	1018.6	-1	SW	3	o/r	54	92	7	1500	Sr	10	·	10	·	1017.4	-2	NNW	4	o	58	75	7	-	-	0	ASr	10	4
Jersey	1021.2	0	SSW	3	o	59	85	8	2500	StCu	10	·	10	·	1019.4	-1	W	3	b	60	85	8	-	-	0	-	0	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. 20th								YESTERDAY.	TO-DAY.	
Kew } 24 hours ended 0700	8md1d	OC	Com	*	*	48	0.1	-	1.8	*	*
Croydon } 24 hours ended 0700	0md	OCZ	CoZom	*	*	48	0.1	-	2.4	*	*
Greenwich (Royal Obsy.)	od	O	O	61	49	47	-	-	0.5	62	76
City (Bunhill Row)	*	*	*	*	*	*	*	*	1.4	*	
Westminster (St. James' Pk.)	*	*	*	62	50	48	-	-	2.0	60	76
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	1.7	*	*
Camden Square	odo	OC	*	61	49	49	-	-	*	*	77
Kensington Palace	O	COC	*	60	49	47	-	-	*	60 (18h.)	77
Hampstead Observatory	*	*	*	59	47	43	tm	-	2.0	*	80

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
0.3	20h. 18m	0.3	1-3h 19th
0.6	10h. 19m		

Kew Observatory Max.	Time.	Min.	Time.
0.3	23h. 18m	0.3	4h. 19m
0.4	10h. 19m		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 19th 21 h. 45 m. to 20th 02 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	4.30	0.0	-
δ Ursae Minoris	4.30	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=Sleating to-day in 1300 and 1800 reports (Hour 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 (Atmospheric) AT CROYDON.*

Time.	Type.	No. per 4 sec.	Strength.	Direc. °
13h.	C,C2	7	-	140
18h.	C	6	-	110
01h.	C	5	-	110
07h.	C2	5	-	70

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

20th & 21st June, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.31	11.54	8.17
	3.31	11.54	8.17
Greenwich	3.44	12.1	8.16
	3.44	12.1	8.16
Wick	3.7	12.13	9.19
	3.7	12.13	9.19
Valencia	4.32	12.42	8.52
	4.32	12.42	8.52

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.
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.

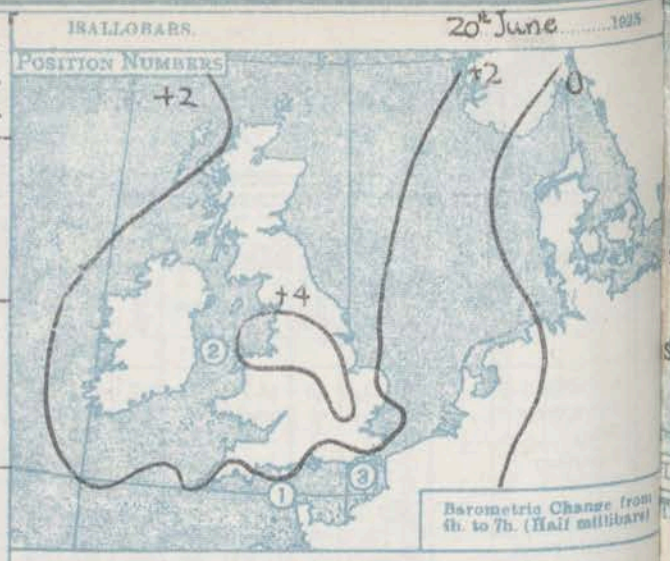
0=no swell } Calm or slight sea.
1=mod. swell } Calm or slight sea.
2=heavy swell } Calm or slight sea.
3=no swell } Moderate sea.
4=mod. swell } Moderate sea.
5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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. 19th	Weather. 13h.-18h. 19th	Weather. 18h. 19th to 18h. 20th	Weather. 18h.-7h. 20th	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. 19th Hours.
Lerwick	od	cp	omd	amd	52	42	•	0.3	trace	<2100	2400	4.1
Stornoway	p	p	b.bc	c	54	45	•	0.6	0.2	-	-	10.2
Wick	oo	old	oo	oo	55	46	•	trace	-	1730	-	•
Castlebay	oc	co	obc	bco	53	48	•	0.2	-	-	-	3.3
Nairn	bcdc	cpq		cq	58	46	•	1	-	09.00	-	3.8
Aberdeen	cobec	copr	opr	op.ro	59	44	40	0.6	0.3	13.30	<2100	3.8
Malin Head	cox	cor	p.cbc	bcv	53	47	•	-	0.1	-	<2100	0.2
Renfrew	obbc	cpbc	b.b	cow	57	37	28	trace	-	-	-	4.6
Edinburgh (Inchkeith)	c	cp	oo	c	57	45	39	0.2	trace	13.30	-	7.7
Leuchars	bcyp	opr	oo	oo	61	44	31	trace	-	11.00	-	6.5
Eskdalemuir	bcco	oc	oc	bcc	58	41	37	-	-	-	-	7.8
Tynemouth	oo	oo	oir	cp	54	46	44	-	0.5	-	<2100	•
Blacksod Point ...	c	c	c		56	47	•	-	-	-	-	•
Donaghadee	c	c	c	bc	56	48	•	-	0.1	-	<2100	•
Birr Castle	co	co	co	co	63	48	45	-	-	-	-	11.2
Holyhead	oco	cbcc	co	oo	56	49	47	-	-	-	-	4.2
Liverpool (Bidston) ...	obcq	bcc	ocbc		59	49	45	-	-	-	-	4.6
Chester (Shotwick) ...	oocbq	bbcoo	oopr	o	58	49	46	-	0.4	-	<2100	4.1
Spurn Head	c	oo	oid.o	opqc	54	47	•	0.4	0.4	<0800	0330	0.0
Birmingham (Edgbaston)	dq	c	co	oo	57	47	44	-	-	-	-	3.0
Nottingham	oo	c	co	c	61	49	40	-	-	-	-	3.6
Cranwell	d.oo	oo	opr	opro	60	47	46	trace	0.3	<0800	<2100	0.9
Gorleston	omd	omdo	ob	om	56	47	46	0.1	-	<0800	-	0.0
Valencia (Cahirciveen)	bcb	b	b	bbcc	57	51	48	-	-	-	-	11.9
Roches Point	bcb	b	b	bbcc	63	49		-	-			
Pembroke (St. Ann's H.)	c	b-bc	c	oo	58	49	•	-	-	-	-	9.5
Ross-on-Wye	oc	bcocbc	co	oo	64	47	44	-	-	-	-	5.7
Benson...	r.oc	cbc	o	o	62	48	41	0.2	-	<0800	-	•
Andover	orromc	ocbc	bc.b	bor.o	63	45	41	0.4	trace	<0800	-	7.2
S. Farnborough ...	odmc	c	bcco	r.o	64	43	43	trace	trace	<0800	0230	6.0
London (Kew Obsy.) ...	omdomd	oc	comc	com	60	50	48	0.1	-	0900	-	1.8
Croydon	omdqo	ocz	coz	om	59	49	48	0.1	-	<0800	-	2.3
Clacton-on-Sea ...	oqdoq	oq	ogur	ogroq	60	48	47	0.6	5	<0800	2200	0.0
Shoeburyness	odqdo	o	om	om	61	48	44	0.6	-	<0800	-	0.2
Grain	ocmfo	oo	oco	oom	59	48	43	1	-	<0800	-	0.2
Lympne	fd.r	odmu	bccow	bcobm	57	46	39	2	1	<0800	0330	1.1
Scilly (St. Mary's) ...	co	c	cb	bcc	59	50	•	-	-	-	-	8.5
Falmouth (Pendennis)	bcm	bc	bc	bc	59	51	•	-	-	-	-	8.0
Plymouth (Cattewater)	obbc	bcb	b	b	61	49	46	-	-	-	-	10.2
Portland Bill	c	c	bbc	c	61	50	•	-	-	-	-	•
Southampton (Calshot)	omm	ombc	c	om	65	49	45	-	-	-	-	3.1
Dungeness	p	oo	oo	r-d	59	48	•	0.1	trace	<0800	0430	•
Jersey	oco	ob	b	bco	63	53	•	-	-	-	-	3.6



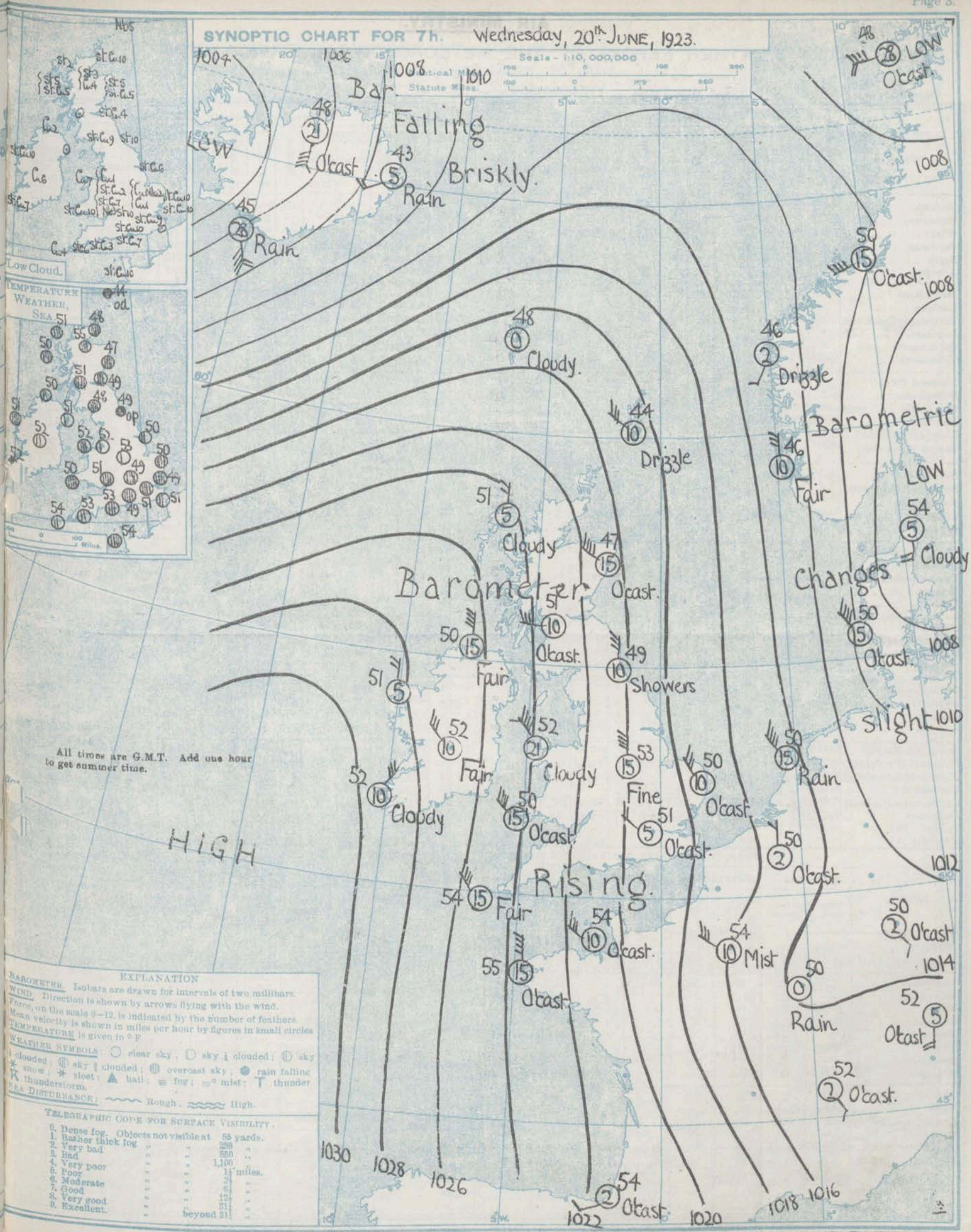
Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	19th 1010	Scotia	NW	4	c	53	51	8
1	• 1100	Ibex	W	3	mb	56	54	5
3	20th 0200	Arundel	N	4	bc	53	54	7

GENERAL INFERENCE.

The anticyclone off our Western Coasts will maintain NW. or N. winds and mainly fair weather today, but the Northern districts will be affected before long by a new depression in the Iceland region.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Wednesday, 20th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind NW. or N., moderate; fair generally; visibility mainly good; temperature rising somewhat.	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 NW., backing W., moderate or fresh; mainly fair today, probably some rain tomorrow; visibility mainly good; moderate temperature.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind NW., backing SW., moderate or fresh; cloudy, some rain later; visibility moderate; cool.	
17. N.W. Ireland 18. N.E. Ireland	As for 7 - 13.	
19. S.E. Ireland 20. S.W. Ireland	As for 1 - 6.	



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION ... Wednesday, 20th June ... 1923. No. 171 ..

STATIONS.	0100 G.M.T. 20th: 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	0700 G.M.T. 20th: 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	10159	-2	NW	3	od	44	85	6	4000	Nb	8	A.St	10	•	1018.1	+2	NW	3	od	44	85	6	4000	Nb	5	A.St	10	2
Stornoway	10238	+2	N	2	b-	•	•	6	•	•	•	•	•	•	10241	+1	N	2	c-	51	75	7	800	St	2	A.Cu	7	1
Wick	10190	-1	NNW	3	o	47	97	8	4000	StCu	10	-	10	•	10209	+2	NW	3	o	48	85	8	3700	StCu	10	-	10	3
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10260	+1	WNW	3	o	50	85	7	2500	St	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10216	•	NW	1	c	55	75	8	1500	Cu	7	-	7	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10218	+2	NW	4	o	47	75	8	1500	St	10	-	10	0
Malin Head	10244	+2	NNW	5	b-	49	85	9	5700	Cu	2	-	2	•	10246	+2	N	4	bc	50	85	9	5700	Cu	2	CiCu	5	4
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10236	+2	WNW	3	o	51	75	7	-	-	0	Ci	9	•
Edinburgh (Inchkeith)	10206	+3	NW	3	o	49	75	8	*	StCu	9	-	9	•	10229	+2	WNW	2	c-	49	75	8	*	StCu	4	A.Cu	7	1
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10221	+3	WNW	2	o	50	65	8	4000	StCu	10	-	10	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10233	+2	NNW	4	o+	48	65	8	4000	StCu	9	-	9	•
Tynemouth	10190	+2	N	1	ojp	50	85	7	1500	Nb	10	-	10	•	10216	+3	N	3	opf	49	75	7	800	St	10	-	10	1
Blacksod Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10280	+2	N	2	o	51	75	8	*	StCu	10	-	10	1
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10252	+3	NNW	3	b-	51	85	8	-	-	0	Ci.St	3	4
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10278	•	NW	3	bc	52	75	7	2500	Cu	6	-	6	•
Holyhead	10220	0	NNW	5	o	50	85	7	2500	StCu	9	-	9	•	10239	+4	N'W	5	c	52	85	8	800	Cu	7	-	7	4
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10228	+3	NNW	3	b-	52	75	7	2500	StCu	3	-	3	4
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10224	+4	NW	3	o-	55	75	8	1500	St	9	-	9	•
Spurn Head	10175	-2	NW	4	o	51	92	7	2500	St	10	-	10	•	10194	+3	NNW	6	bc	50	83	7	5700	StCu	6	-	6	3
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10219	+3	NNW	4	o	55	75	5	1500	St	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10205	+3	N	4	b-	53	75	8	1500	CuNb	3	-	3	•
Cranwell	10158	0	WNW	3	o	48	92	7	1500	St	10	-	10	•	10209	+4	NW	4	o	49	92	7	450	St	10	-	10	•
Gorleston	10176	0	NW	7	o	49	92	7	4000	StCu	10	-	10	•	10171	0	NNW	3	o	50	92	6	4000	StCu	10	-	10	0
Valencia (Cahirciveen)	10256	+2	NNW	3	b-	51	92	9	*	St	3	-	3	•	10277	+2	NNE	3	c+	52	75	8	2500	StCu	7	-	7	0
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1027.5	+2	N	4	c	51	85	8	4000	StCu	4	Ci	7	0
Pembroke (St. Ann's H.)	10231	0	NNW	3	c	50	75	8	2500	StCu	8	-	8	•	10252	+3	N'W	4	o	50	75	8	4000	StCu	10	-	10	3
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10218	+3	N	3	o	51	75	8	2500	StCu	10	-	10	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10202	+3	NNW	3	o	49	85	7	1500	St	10	-	10	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•	10201	0	N'W	4	o+	49	92	8	1500	StCu	7	A.St	10	•
S. Farnborough		•	•	•	•	•	•	•	•	•	•	•	•	•	10195	+3	NNE	3	o	48	92	7	1500	StCu	10	-	10	•
London (Kew Obsy.)		•	•	•	•	51	•	•	•	•	•	•	•	•	10199	+3	NNW	2	o	51	75	6	2500	StCu	9	A.St	10	•
Croydon	10183	-1	NNW	2	o	50	75	6	2500	StCu	10	-	10	•	10193	+2	N	3	o	50	85	6	1500	St	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10182	+2	NNW	2	o	49	97	6	4000	StCu	10	-	10	0
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10185	+2	N'W	2	mmo	51	75	6	7200	StCu	5	A.St	10	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10187	+2	NNW	4	o+	51	85	6	2500	St	7	A.St	10	0
Lympne	10165	-1	N'W	4	bc	48	92	7	5700	StCu	5	-	5	•	10182	+3	N'E	3	o/r	49	92	7	1500	St	10	-	10	•
Scilly (St. Mary's)	10243	0	NNW	5	b-	53	92	8	4000	Cu	2	-	2	•	10252	+1	N'W	4	bc	54	65	8	4000	Cu	4	A.Cu	6	4
Falmouth (Pendennis)	10229	0	N	3	bc	53	85	7	4000	Cu	5	-	5	•	10233	+2	N	5	bc	53	75	8	5700	StCu	6	-	6	0
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10227	+1	N'W	5	b	52	75	8	4000	StCu	3	-	3	0
Portland Bill	10204	+2	NNW	3	b-	52	65	6	-	-	0	-	0	•	10209	+3	NNW	3	c-	53	65	7	7200	StCu	7	-	7	3
Southampton (Ca.shot)	10192	-2	NNW	4	bc	52	75	8	4000	StCu	5	-	5	•	10201	+1	NNW	5	o	51	75	6	4000	StCu	10	-	10	0
Dungeness	10162	-2	N	3	o	53	85	7	2500	St	10	-	10	•	10181	+1	NE	4	bc/r	51	85	7	-	-	0	A.Cu	6	3
Jersey 7h / Guernsey 1h														•	10206	0	NW	3	o	54	85	8	4000	StCu	10	-	10	

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

STATIONS.	Weather: Forenoon	Weather: Afternoon	Temperature: Min. Night 18-19	Temperature: Max. Day 19	Rainfall†: Night 17h.-9h. 18-19	Rainfall†: Day 9h.-17h. 19	Sunshine: Sunrise to 17h. 19th	Sunshine: Sunrise to Sunset 18th
			°F.	°F.	mm.	mm.	hr.	hr.
Montrose	becop	op	49	59	-	2	2.2	9.0
Berwick-on-Tweed	o	cd.c	54	58	-	-	0.2	3.8
Llandudno	c	c	51	56	0.2	-	0.9	0.0
Colwyn Bay	c	c	50	56	-	-	1.4	0.6
Rhyl	o	o	49	60	0.1	-	2.0	0.4
Southport	bc	bcc	51	56	-	-	6.1	0.1
Blackpool	c	bcc	51	58	-	-	7.5	0.3
Ilkley	bc	bccg	47	62	-	-	4.6	0.0
Harrogate	c	c	47	60	-	-	4.9	0.0
Skegness	o	o	50	55	-	-	0.3	0.5
Aberystwyth	rcb	b	51	58	2	-	6.0	0.0
Bath	ocbc	bcb	56	66	-	-	4.2	0.0
Leamington Spa	o	o	50	59	1	-	0.0	0.0
Lowestoft	id	o	50	56	-	0.1	0.0	9.8
Felixstowe	odo	omd	49	59	0.3	-	0.0	7.8
Southend	do	co	51	60	0.4	0.1	0.3	3.8
Ilfracombe	omc	cbcb	55	58	-	-	5.1	0.0
Bude	o	bc	54	58	1	-	5.4	0.0
Penzance	ocbc	bcb	55	59	-	-	?	?
Paignton	opbcop	bqy	55	61	trace	-	7.0	0.0
Torquay	cobc	b	56	66	0.1	-	7.7	0.0
Weymouth	oc	bcb	53	70	1	-	5.0	0.0
Bournemouth	ob	bc	53	69	-	-	4.5	0.0
Portsmouth (S'thsea)	o	ocbc	54	65	-	-	0.8	0.0
Worthing	obc	b	53	64	1	-	1.8	0.0
Brighton	o	ocbc	53	60	0.2	-	0.5	0.3
Eastbourne	obo	bbc	49	60	trace	0.2	0.2	7.8
Hastings	od.o	o	48	59	0.4	0.1	0.3	4.1
Folkestone	od	d	42	59	-	1	0.0	6.4
Tunbridge Wells	o	oc	46	60	-	trace	0.6	0.3
Ramsgate	bco	orbco	45	56	-	2	0.9	7.4
Margate	odr	o	47	57	-	1	0.1	5.7
Deal	bcod	o	43	59	-	0.2	1.0	7.6

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* Information for these columns not usually received. † No 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.22491 THURSDAY 21ST JUNE 1923. Page 1

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	1019.3	+2	NNW	2	b1	50	65	6	–	–	0	ACu	3	•
Stornoway	1023.1	-1	W	3	o+	52	75	7	800	St	10	–	10	•
Wick	1021.8	+1	NW	3	o	51	85	8	5700	StCu	4	ASt	10	•
Castlebay	1026.1	0	WSW	4	o	50	85	7	1500	St	10	–	10	•
Nairn	•	•	•	•	•	•	•							•
Aberdeen	1022.6	0	NW	4	bc-	58	55	8	2500	Cu	3	ACu	4	0
Malin Head	1027.1	0	WNW	4	o+	52	85	9	4000	Cu	2	aSt	9	•
Renfrew	1024.9	+1	W	4	o	57	75	8	5700	StCu	5	ASt	10	0
Edinburgh (Inchkeith)	1022.8	-1	NW	3	o+	58	55	8	–	St	9	–	9	•
Leuchars	1022.4	0	SE	1	c	59	55	8	4000	StCu	8	–	8	0
Eskdalemuir	1023.3	0	N'W	3	c	58	55	7	4000	StCu	8	–	8	0
Tynemouth	1028.5	+2	NE	2	c/r	50	75	7	–	–	0	ACu	8	•
Blacksod Point	1029.9	+2	W'N	4	o	56	75	9	–	StCu	10	–	10	•
Donaghadee	1026.7	+1	NNW	3	bc+	53	75	8	4000	StCu	4	–	4	•
Birr Castle	1028.5	*	NW	2	o+	58	75	8	4000	Cu	9	–	9	•
Holyhead	1026.7	+3	N'W	4	c	54	75	8	4000	Cu	2	ACu	7	0
Liverpool (Bidston)	1024.9	+1	NW'W	4	b1	54	65	8	4000	StCu	2	CiCu	3	
Chester (Shotwick)	1025.0	+3	NW	5	c	57	55	9	4000	Cu	5	CiCu	7	0
Spurn Head	1022.5	+3	N'W	6	o+	51	75	8	4000	Cu	10	–	10	•
Birmingham (Edgbaston)	1023.9	+1	N	4	c-	55	65	6	5700	Cu	7	–	7	0
Nottingham	1023.7	+1	NE	3	o	55	65	7	2500	StCu	10	–	10	•
Cranwell	1023.8	+3	NW'N	4	o	50	85	8	2500	StCu	10	–	10	0
Gorleston	1020.8	+2	NNW	5	c-	53	65	7	4000	Cu	7	–	7	•
Valencia (Cahirciveen)	1031.4	+2	NNW	4	c	56	75	8	2500	StCu	3	CiCu	7	0
Roches Point	1028.5	+1	NW	4	c	61	75	8	4000	StCu	2	CiSt	7	•
Pembroke (St. Ann's H.)	1027.5	+3	N	4	bc	55	65	8	4000	Cu	3	ACu	5	•
Ross-on-Wye	1023.6	+2	N	3	c-	58	55	8	4000	StCu	8	–	8	0
Benson	1022.8	+1	N	4	c/r	56	65	7	–	Cu	6	ACu	8	1
Andover	1022.5	+2	N'E	4	c	58	65	7	2500	StCu	8	–	8	0
S. Farnborough	1022.3	+1	NNE	4	c/r	59	55	8	2500	StCu	8	–	8	0
London (Kew Obsy.)	1022.9	+3	N	2	o	56	55	8	4000	StCu	9	ACu	10	0
Croydon	1022.5	+3	N'E	3	o/r	55	65	7	2500	StCu	10	–	10°	0
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1022.1	+3	NNE	6	c/r	57	55	8	4000	StCu	7	ACu	9	*
Grain	1021.8	+4	N	5	o	56	55	8	4000	StCu	8	ACu	9	0
Lympne	1021.1	+3	N	5	c	55	75	8	2500	Cu	6	ASt	8	5
Scilly (St. Mary's)	1026.9	+2	N	4	c-	58	65	8	4000	StCu	7	–	7	•
Falmouth (Pendennis)	1026.1	-1	N	5	bc	56	65	8	5700	StCu	6	–	6	•
Plymouth (Cattewater)	1024.3	+2	N'W	6	bc	60	65	8	4000	StCu	2	CiCu	5	0
Portland Bill	1022.4	+4	NNW	3	bc	62	55	7	4000	Cu	4	–	4	•
Southampton (Calshot)	1022.5	+1	N'E	4	bc-	61	55	8	4000	Cu	3	ACu	4	0
Dungeness	1020.6	+2	NE	4	o/r	55	75	7	5700	CuNb	10	–	10	•
Jersey	1023.8	+2	NW	3	b1	58	75	8	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	1017.9	-2	W	2	o	48	75	6	–	–	0	ASt	10	1
Stornoway	1020.1	-3	WSW	3	o	55	92	6	800	St	10	–	10	2
Wick	1019.5	-3	SW	2	o/r	53	85	8	–	–	0	ASt	10	0
Castlebay	1023.2	-2	WSW	4	mo+	53	85	7	1500	St	10	–	10	4
Nairn	1021.1	*	W	3	c	57	65	8	4000	StCu	7	–	7	•
Aberdeen	1021.9	-1	NW	1	o+	55	65	8	5700	StCu	10	–	10	0
Malin Head	1026.4	-1	WSW	4	o	53	92	8	2500	StCu	6	ACu	10	3
Renfrew	1024.5	-1	W	4	o+	56	65	8	5700	StCu	10	–	10	•
Edinburgh (Inchkeith)	1022.8	-2	WSW	4	o-	55	65	8	–	St	5	CiSt	9	2
Leuchars	1022.0	0	NW	3	o	60	55	8	–	–	0	ASt	10	•
Eskdalemuir	1023.6	+1	WNW	3	o-	55	65	7	2500	StCu	6	CiCu	8	•
Tynemouth	1023.5	0	NE	1	o	53	75	7	–	–	0	AC	10	0
Blacksod Point	1029.3	-1	WNW	4	o	55	85	8	–	–	0	ASt	10	4
Donaghadee	1026.1	0	NNW	3	c+	54	75	8	–	–	0	ACu	7	3
Birr Castle	1028.0	*	NW	1	o	62	75	7	2500	Cu	9	–	9	•
Holyhead	1027.0	0	NW	1	o-	53	75	9	~~1500~~ 6000	StCu	2	ACu	9	0
Liverpool (Bidston)	1025.3	-1	WNW	4	o+	52	75	7	2500	Nb	10	–	10	4
Chester (Shotwick)	1025.7	+1	NW'W	5	o+	54	75	8	2500	StCu	4	CiSt	10	•
Spurn Head	1023.7	+1	N	5	bc-	51	85	8	4000	Cu	5	–	5	3
Birmingham (Edgbaston)	1024.4	+1	NNW	4	bc	55	65	7	5700	StCu	4	Ci	5	•
Nottingham	1023.6	0	SE	2	b-	55	75	7	2500	StCu	1	ACu	3	•
Cranwell	1023.9	0	NW'N	3	c-	53	85	8	4000	StCu	4	ACu	8	•
Gorleston	1021.6	+1	NNW	4	cPR	55	75	7	4000	Cu	7	–	7	1
Valencia (Cahirciveen)	1031.2	0	NW	4	c	56	75	8	2500	StCu	7	–	7	0
Roches Point	1028.2	0	NW	3	b-	68	75	8	–	–	0	ACu	1	3
Pembroke (St. Ann's H.)	1027.6	0	N	3	bc	55	65	8	–	–	0	CiSt	6	3
Ross-on-Wye	1024.5	+1	N'E	2	c+	59	55	8	4000	Cu	1	Ci	7	•
Benson	1024.8	0	N	4	o	55	65	7	–	St	10	–	10	•
Andover	1023.6	+1	N'E	3	c+	57	65	7	4000	StCu	8	–	8	•
S. Farnborough	1023.9	+2	NE	2	o	55	65	7	2500	StCu	10	–	10	•
London (Kew Obsy.)	1024.2	+1	N	2	o	54	65	7	4000	StCu	10	–	10	•
Croydon	1024.1	+2	N'E	3	o-	52	75	6	4000	StCu	10	–	10	•
Clacton-on-Sea	1022.7	+2	NNW	4	c	54	65	7	1500	Cu	7	–	7	1
Shoeburyness	1023.4	+2	NNW	4	cpr0	53	65	9	2500	CuNb	7	ACu	8	•
Grain	1023.5	+2	N'W	4	o-	52	65	8	2500	StCu	9	–	9	0
Lympne	1023.0	+2	N	3	opr0	50	75	8	1500	Nb	8	ASt	10	•
Scilly (St. Mary's)	1028.3	+1	N'W	3	bc	56	65	8	4000	Cu	3	ACu	4	4
Falmouth (Pendennis)	1026.3	0	N	5	b1-	55	65	8	5700	Cu	2	–	2	0
Plymouth (Cattewater)	1025.5	+1	NNW	4	c	58	65	8	–	–	0	Ci	8	0
Portland Bill	1023.4	0	N	3	bc	61	65	7	4000	StCu	4	–	4	3
Southampton (Calshot)	1024.2	+2	NNE	2	c	59	55	6	2500	Cu	6	ACu	8	0
Dungeness	1022.2	+3	NE	4	bc/r	53	65	7	4000	Cu	6	–	6	4
Jersey	1024.5	0	NW	3	b1	58	75	8	4000	StCu	3	–	3	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. 21st										
Kew (24 hours ended 0700)	oRoco	oyo	ocomb	•	•	41	tra	-	1.4	•	•
Croydon (24 hours ended 0700)	ompr	oz	ozmc	•	•	42	0.3	-	1.0	•	•
Greenwich (Royal Obsy.)	ocp	o	oc	61	47	41	0.3	-	0.9	58	64
City (Bunhill Row)	•	•	•	s		•	•	•	0.9	•	•
Westminster (St. James' Pk.)	•	•	•	61	48	45	0.6		1.1	61	64
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0.8	•	•
Camden Square	oc	o	•	60	48	46	0.5	-	•	•	63
Kensington Palace			•	61	48	43	0.3	-	•	65(18h)	64
Hampstead Observatory	•	•	•						1.2	•	

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 20th

South Kensington Max.	Time.	Min.	Time.
0.3	19th 19h	<0.3	20th 1-2h.
0.3	20th 8h		

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

POLE STAR RECORD at Greenwich Obsy.

Exposure from 20th 21 h. 45 m. to 21st 02 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	4.30	0.30	11
δ Ursae Minoris	4.30	0.21	8

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.	GC1	6	-	100
18h.	GC2	5	-	130
01h.	C,C2	5	-	20
07h.	CiC2	5	-	115

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

21st & 22nd June, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.31 3.32	11.54 11.55	8.17 8.18
Greenwich	3.44 3.45	12.1 12.2	8.18 8.19
Wick	3.7 3.8	12.13 12.14	9.19 9.20
Valencia	4.22 4.23	1242 1243	9.2 9.3

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.
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.

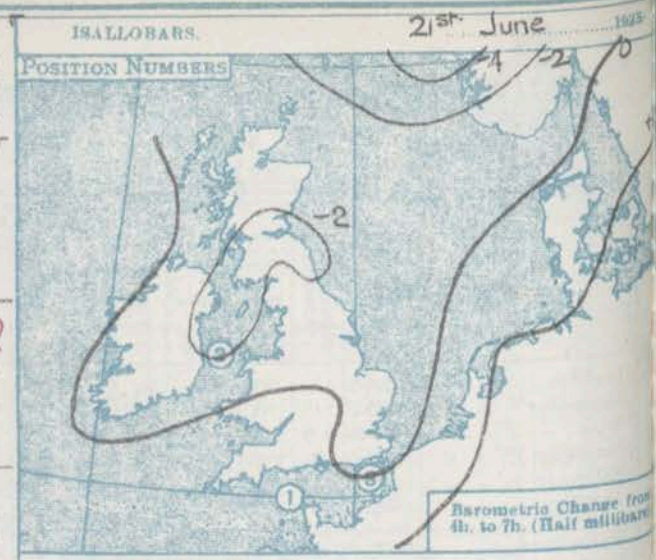
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0=no swell
1=mod. swell } 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.

[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.-18h. 20°	18h.-18h. 20°	18h. 20° to 1h. 21°	1h.-7h. 21°	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. 20° Hours.
Lerwick	b	o	omd	omr	52	47	•	-	3	-	<2100	4.4
Stornoway	c	o	p	c	55	49	•	-	2	-	-	2.0
Wick	o	orro	oo	oo	53	50	•	0.4	-	1430	-	•
Castlebay	o	om	omrr	rom	53	51	•	-	2	-	-	0.8
Nairn	cq	cq	cq	cq	59	53	•	-	-	-	-	2.7
Aberdeen	ac	bcyco	o	oo	58	52	44	-	-	-	-	2.5
Malin Head	beeov	cor	mcoe	rwffo	54	51	•	-	1	-	0230	5.1
Renfrew	oo	oro	oo	om	60	50	49	trace	-	1430	-	~~2.7~~ ?
Edinburgh (Inchkeith)	c	o	oo	rro	59	50	49	-	1	-	0230	5.5
Leuchars	bccy	o	oo	oroo	63	51	46	-	0.4	-	0230	3.2
Eskdalemuir	oc	coc	co	ocop	61	48	46	-	trace	-	0630	7.9
Tynemouth	op	o	oo	oomq	56	49	43	trace	-	<0800	-	•
Blacksod Point ...	c	o	f-m	o	57	49	•	-	-	-	-	•
Donaghadee	c	c	c	o	56	51	•	-	trace	-	0330	•
Birr Castle	co	co	co	cooc	64	54	50	-	-	-	-	7.6
Holyhead	ce	cov	oo	oo	57	51	50	-	trace	-	-	11.0
Liverpool (Bidston) ...	bbc	bcco	bco		57	50	45	-	-	-	-	10.5
Chester (Shotwick) ...	obcc	cco	co	cco	59	49	41	-	-	-	-	9.9
Spurn Head	cbcco	ocbc	bcco	ozog	52	49	•	-	-	-	-	8.0
Birmingham (Edgbaston)	c	c	co	co	57	47	43	-	-	-	-	0.9
Nottingham	c	c	b	c	57	48	43	-	-	-	-	2.7
Cranwell	bcop	oc	ocbc	bcco	55	45	41	trace	-	0900	-	4.7
Gorleston	oq	cprq	ocbcb	bbcco	56	41	35	0.2	-	1230	-	3.5
Valencia (Cahirciveen)	c	c	co	oom	58	54	49	-	-	-	-	9.4
Roches Point			c	cbc	66	54			-			
Pembroke (St. Ann's H.)	ocbc	bcc	c	oo	57	50	•	-	-	-	-	6.5
Ross-on-Wye	obeco	bcbcy	cvov	oco	62	44	36	-	-	-	-	6.6
Benson	oroc	o	ocbcb	bcoc	59	40	32	1	-	1100	-	•
Andover	ococ	c	cbcb	bbcco	62	38	33	-	-	-	-	4.5
S. Farnborough ...	oprmc	cvq	ob	o	60	41	37	0.5	-	0900	-	4.0
London (Kew Obsy.) ...	opoco	oyu	ocom	ombbm	57	47	41	trace	-	<0800	-	1.4
Croydon	ompro	oz	ozm	omzc	56	46	42	0.3	-	1100	-	~~1.0~~ 0.8
Clacton-on-Sea ...	ogep	c	c	c	57	44	39	0.3	-	0900	-	3.0
Shoeburyness	obpro	oopbov	oc	bcb	59	44	37	1	trace	0900	-	2.2
Grain	oprco	ocop	oco	oom	58	43	38	0.2	-	1100	-	1.4
Lympne	ompr	ocpor	oroc	omzc	56	42	35	4	trace	<0800	<2100	0.9
Scilly (St. Mary's) ...	c	bc	bc	bcc	59	51	•	-	-	-	-	10.6
Falmouth (Pendennis)	bcebc	bc	bcb	bc	58	49	•	-	-	-	-	10.2
Plymouth (Cattewater)	bbcv	bcc	co	oo	61	48	43	-	-	-	-	13.0
Portland Bill	bbc	bbc	c	c	63	53	•	-	-	-	-	•
Southampton (Calshot)	c	c	ocbcv	bbc	63	46	41	-	-	-	-	5.2
Dungeness	p	r	c	c	55	45	•	trace	-	1830	-	•
Jersey	ocb	b	b	b	60	51	•	-	-	-	-	8.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	20th 1000	Scotia	NW	4	bcq	53	51
3	21st 0200	Dieppe	N	1	o	53	54

GENERAL INFERENCE.

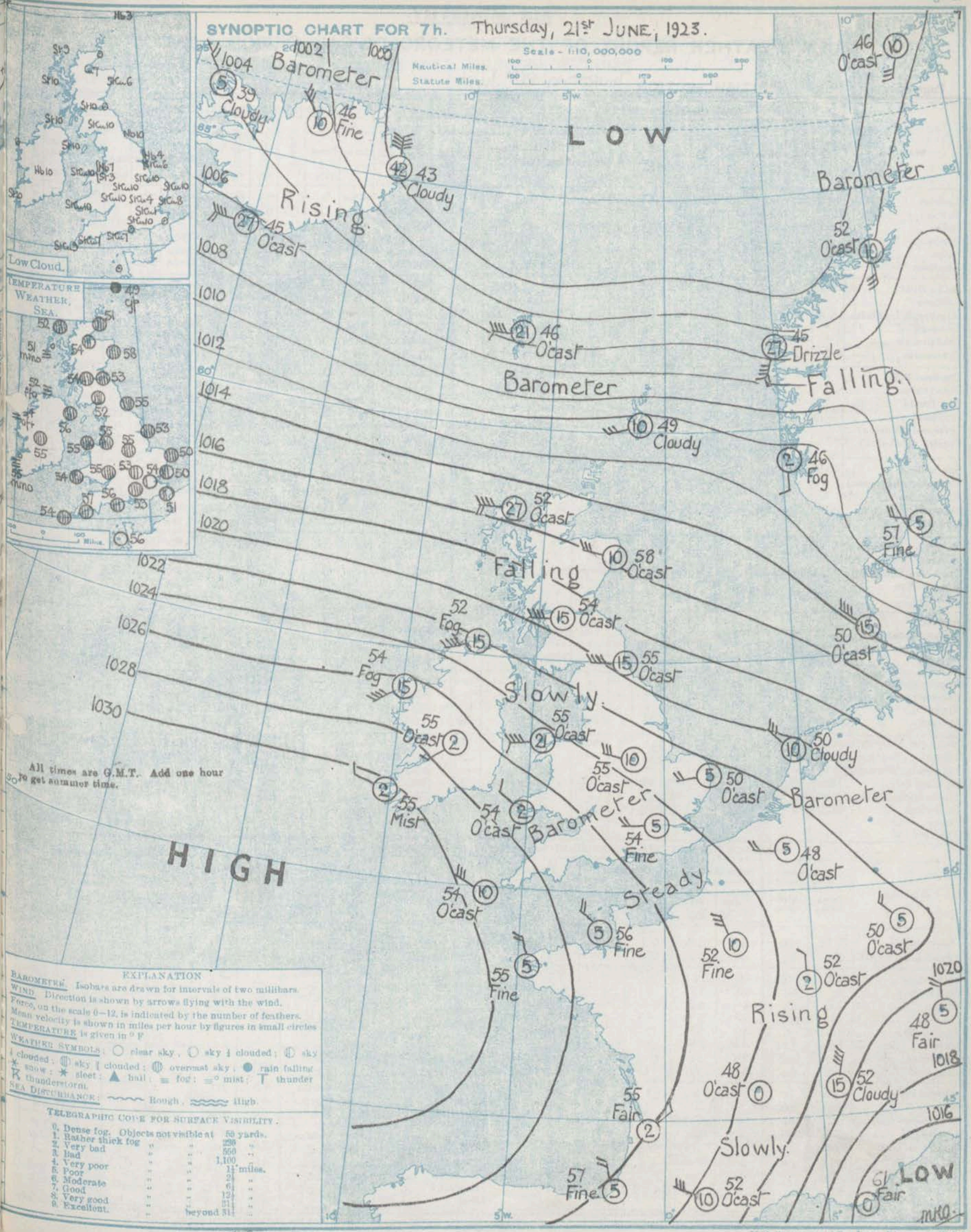
The barometer is rising again in Iceland and the depression north of the Faroe Islands is moving Eastward. There are indications of a secondary off our western coasts the passage of which will cause some rain, mainly in the North. Subsequently winds are likely to become generally northwesterly again.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 21st June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind W to NW light or moderate; cloudy, perhaps some rain; visibility poor at times on the coast; moderate 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 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind SW veering NW moderate to strong; cloudy, probably some rain; visibility poor at times; moderate temperature.	

E.H.B.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0845 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. THURSDAY. 21st JUNE 1923. No. 172

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	1011.5	-5	W	2	odd	49	97	5	800	St	10	-	10	•
Stornoway	1018.5	-2	WSW	4	pr.	•	•	5	•	•	•	•	•	•
Wick	1015.2	-3	WNW	2	b	55	97	8	1500	St	6	A.St	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1023.8	-2	SW	4	or.	55	97	8	4000	Nb	6	ACu	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1021.4	-1	WSW	5	0	51	85	7	•	St	6	ACu	9	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1022.0	-2	W	2	0	52	75	6	-	-	0	A.St	10	•
Blacksod Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1026.8	-1	SSW	1	0	52	92	7	1500	St	10	-	10	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1023.4	-1	WSW	2	0	50	85	8	4000	StCu	10	-	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1024.8	0	NSW	3	bc+	46	92	7	2500	St	4	ACu	6	•
Gorleston	1023.5	+1	W	1	b-	46	65	7	5700	StCu	2	-	2	•
Valencia (Cahirciveen)	1031.2	+1	SW	2	0	53	97	8	•	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1028.3	0	W'N	2	0	51	75	8	4000	StCu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	51	•	•	•	•	•	•	•	•
Croydon	1025.5	+1	NNW	2	0	50	75	6	2500	StCu	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1025.1	+1	N	2	0	45	92	8	4000	StCu	10	-	10	•
Scilly (St. Mary's)	1029.8	0	NNW	3	b	52	92	8	4000	Cu	2	-	2	•
Falmouth (Pendennis)	1029.1	+2	-	0	b	50	92	8	-	-	0	-	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1026.2	+2	N'W	2	b-	53	75	6	4000	Cu	2	-	2	•
Southampton (Calshot)	1026.8	+1	NNW	3	b	48	85	7	-	-	0	-	0	•
Dungeness	1025.3	+2	N	2	c-	48	75	8	-	-	0	ACu	7	•
Jersey 7h / 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	1010.2	-2	WSW	3	c/p	49	85	6	4000	Nb	3	ACu	7	2
Stornoway	1015.7	-1	W	6	0+	52	85	6	800	St	9	-	9	5
Wick	1013.0	-1	NW	2	0	51	85	8	-	-	0	Ci.St	10	0
Castlebay	1019.1	-1	W	4	mm0	51	92	6	2500	St	10	-	10	4
Nairn	1016.0	•	W	2	c	54	75	8	4000	Cu	7	-	7	•
Aberdeen	1015.8	0	WNW	3	0	58	75	8	4000	StCu	6	A.St	10	c
Malin Head	1021.7	0	WSW	4	ff0	52	97	2	<150	St	10	-	10	3
Renfrew	1019.8	-2	W	4	0	54	92	6	800	St	10	-	10	•
Edinburgh (Inchkeith)	1017.6	-3	WSW	5	o/r	53	85	7	•	-	0	Ci.St	10	4
Leuchars	1017.1	-1	SW	2	0	55	85	8	2500	StCu	3	A.St	10	•
Eskdalemuir	1020.8	-1	SW'W	4	0	52	92	6	2500	StCu	10	-	10	•
Tynemouth	1018.9	-2	W	4	0	55	85	6	1500	Nb	10	-	10	2
Blacksod Point	1026.1	0	SW	4	f0+	54	97	3	•	-	0	A.St	10	1
Donaghadee	1022.6	-2	SWW	3	0+	56	85	8	2500	St	10	-	10	3
Birr Castle	1027.2	•	SW	1	0+	55	97	6	2500	Nb	10	-	10	•
Holyhead	1024.7	-2	W'S	5	0	55	92	8	4000	StCu	10	-	10	3
Liverpool (Bidston)	1023.5	-1	W	4	0	55	85	6	2500	Nb	10	-	10	4
Chester (Shotwick)	1024.2	0	W	3	0	58	75	8	2500	St	8	A.St	10	•
Spurn Head	1021.5	-1	WNW	5	0	53	92	6	2500	StCu	10	-	10	2
Birmingham (Edgbaston)	1024.7	0	WNW	4	0	53	85	6	5700	StCu	9	-	9	•
Nottingham	1023.1	-1	WNW	3	0	55	85	5	2500	StCu	10	-	10	•
Cranwell	1023.7	-1	WSW	3	0	52	92	6	4000	StCu	10	-	10	•
Gorleston	1022.5	-1	W'S	2	0	50	75	6	5700	StCu	10	-	10	0
Valencia (Cahirciveen)	1030.3	-1	WNW	1	mm0	55	97	6	450	St	10	-	10	0
Roches Point	1028.6	+1	NW	3	bc	59	85	8	2500	StCu	2	Ci	3	0
Pembroke (St. Ann's H.)	1027.7	0	NW	1	0	54	92	8	4000	StCu	10	-	10	3
Ross-on-Wye	1025.3	0	WSW	1	0	55	75	8	5700	StCu	10	-	10	•
Benson	1025.0	0	NW	2	0	53	75	8	4000	StCu	4	ACu	7	•
Andover	1025.5	0	W	3	0+	52	75	7	2500	StCu	10	-	10	•
S. Farnborough	1025.2	0	WNW	3	0+	53	75	8	2500	StCu	10	-	10	•
London (Kew Obsy.)	1024.8	0	W	2	b	54	75	6	4000	StCu	1	CiCu	3	•
Croydon	1024.7	-1	W'N	2	c	53	75	6	7200	StCu	5	ACu	7	•
Clacton-on-Sea	1023.6	0	WNW	3	c	50	85	6	7200	StCu	8	-	8	1
Shoeburyness	1024.2	0	WNW	2	mb-	54	75	6	5700	Cu	1	Ci	3	•
Grain	1024.2	0	W	4	0	53	75	5	5700	StCu	8	AC	9	0
Lympne	1024.3	-1	NW	3	0	50	85	5	-	-	0	ACu	9	•
Scilly (St. Mary's)	1029.0	0	NWW	3	0	54	92	8	4000	StCu	9	-	9	3
Falmouth (Pendennis)	1028.2	0	NNW	3	c-	57	85	8	5700	StCu	7	-	7	0
Plymouth (Cattewater)	1027.7	0	W	1	0	52	92	7	5700	StCu	10	-	10	0
Portland Bill	1026.2	+1	N	3	c+	56	85	7	4000	StCu	7	-	7	1
Southampton (Calshot)	1026.2	-1	WNW	3	b	54	75	7	-	-	0	ACu	3	0
Dungeness	1025.3	0	NNW	2	bc	51	85	7	-	-	0	CiCu	5	2
Jersey 7h / Guernsey 1h	1026.5	0	NW	2	b-	56	85	7	-	-	0	-	0	0

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 19-20 °F.	Temperature. Max. Day. 20 °F.	Rainfall.† Night 17h.-9h. 19-20 mm.	Rainfall.† Day 9h.-17h. 20 mm.	Sunshine. Sunrise to 17h. 20 hr.	Sunshine. Sunrise to Sunset. 19 hr.
Montrose	ocbc	co	45	62	0.1	-	4.0	2.3
Berwick-on-Tweed	bbc	bc	49	58	0.1	-	5.1	0.2
Llandudno	bcb	ccb	49	58	-	-	9.8	0.9
Colwyn Bay	bc	bc	49	58	-	-	9.5	1.4
Rhyl	bc	bc	49	58	0.2	-	10.1	2.0
Southport	cbc	bccb	49	57	-	-	11.0	5.8
Blackpool	cbc	c	48	58	-	-	8.0	7.7
Ilkley	bc	bbc	46	59	-	-	4.5	4.6
Harrogate	oo	bcb	45	56	0.4	-	4.0	5.1
Skegness	bb	co	47	54	1	-	6.6	0.3
Aberystwyth	rcb	b	50	56	1	-	8.5	6.7
Bath	acbc	cbcb	50	64	-	-	6.1	6.0
Leamington Spa	oc	do	47	59	-	-	3.8	1.5
Lowestoft	oid	aoid	47	54	1	0.1	2.0	0.0
Felixstowe	ompc	co	47	57	0.4	0.4	1.6	0.0
Southend	abc	co	49	60	-	0.1	2.6	0.3
Ilfracombe	ocbc	bcb	51	59	-	-	8.7	7.5
Bude	qcbc	bcbc	51	58	-	-	7.3	5.7
Penzance	ob	bc	50	58	-	-	*	*
Paignton	bccq	bccbqy	51	66	-	-	8.7	9.8
Torquay	b	b	51	65	-	-	8.7	12.2
Weymouth	obc	bcbbc	49	68	-	-	6.0	7.5
Bournemouth	cc	bcc	49	63	-	-	5.5	5.5
Portsmouth (S'thsea)	ob	bo	47	63	-	-	4.8	2.8
Worthing	obc	obc	48	61	-	-	4.0	3.9
Brighton	ocor	ocbc	49	60	-	1	2.7	2.5
Eastbourne	obc	o	49	62	-	-	4.3	2.3
Hastings	ocop	oco	49	59	-	0.3	1.9	1.7
Folkestone	d	c	49	60	-	0.2	3.1	0.0
Tunbridge Wells	o	co	48	59	-	-	1.3	1.3
Ramsgate	ocro	obcro	48	55	3	1	1.2	0.9
Margate	op	oc	49	54	3	1	0.5	0.2
Deal	rqo	coo	49	59	1	1	1.0	1.0

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* 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. B2249† (2) FRIDAY 22nd JUNE 1923.

Observations at 1800 G.M.T. 21st / 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	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	1006·5	0	W	4	bc/r	52	75	7	4000	Cu	4	ACu	6	•	1008·9	+1	W	4	c+	50	75	6	1500	St	4	ACu	7	3
Stornoway	1016·4	+1	W	5	o	54	85	6	800	St	10	-	10	•	1014·3	-1	W	3	[illegible]	53	?	6	450	St	10	-	10	2
Wick	1012·9	-1	WNW	4	o	53	65	8	1500	St	4	ASt	10	•	1012·8	0	WNW	2	ofofo	50	97	8	2500	Nb	7	ASt	10	0
Castlebay	1019·1	0	WNW	4	o	53	92	7	2500	St	10	·	10	•	1017·6	-1	WSW	5	od₀d₀	53	97	5	800	Nb	10	-	10	4
Nairn	*	*	*	*	*	*	*							•	1014·9	*	W	3	c+	54	85	8	1500	St	8	-	8	•
Aberdeen	1015·2	0	WNW	4	o	62	55	8	4000	StCu	7	ASt	9	0	1014·7	0	WNW	3	o	59	65	8	2500	StCu	10	-	10	0
Malin Head	1022·0	+1	W	5	mo-	54	97	6	-	·	0	ASt	10	•	1021·3	-1	W	5	mmo	53	97	5	<150	St	10	-	10	3
Renfrew	1019·4	-1	WSW	4	o	59	75	8	4000	StCu	8	CiSt	10	0	1019·4	0	W	4	o	55	85	6	1500	St	10	-	10	•
Edinburgh (Inchkeith)	1017·2	-1	WSW	5	c	58	65	7	-	·	0	CiSt	7	•	1016·1	-2	W	6	o+	55	75	8	-	St	3	CiSt	10	4
Leuchars	1016·1	-1	SW	5	o	63	65	8	4000	Cu	3	ASt	10	0	1015·1	0	W	4	o	61	65	8	-	-	0	ASt	10	•
Eskdalemuir	1019·8	-1	WSW	4	o	57	75	7	2500	StCu	8	ASt	10	0	1018·7	-1	W	5	o	55	75	7	2500	StCu	5	ASt	10	•
Tynemouth	1019·0	0	W	4	o	58	85	6	1500	Nb	10	·	10	•	1017·2	-1	W	4	bc-	57	75	7	4000	CuNb	3	ACu	4	2
Blacksod Point	1026·9	+1	NW	4	o	57	92	7	-	-	0	ASt	10	•	1027·3	+1	NWW	4	mmo	55	92	4	-	-	0	ASt	10	4
Donaghadee	1022·4	0	WSW	3	o	59	85	8	2500	St	9	·	9	•	1021·6	0	W	3	c+	61	75	8	4000	StCu	8	-	8	3
Birr Castle	1026·1	*	W	1	o	59	85	7	2500	Nb	10	-	10	•	1026·2	*	WSW	1	o-	63	75	7	2500	Cu	9	-	9	•
Holyhead	1024·0	-2	W'S	4	o	57	97	6	800	St	10	·	10	1	1023·3	-1	W'N	4	c	58	85	8	5700	StCu	4	CiSt	8	4
Liverpool (Bidston)	1022·6	-2	W'S	6	o/r	55	92	6	1500	Nb	10	·	10	•	1022·3	-1	W	4	bc/r	57	85	7	2500	St	3	Ci	5	4
Chester (Shotwick)	1023·3	-1	W	5	opc	59	85	8	1500	St	10	·	10	3	1022·6	-1	WNW	4	o-	60	85	8	1500	St	6	Ci	9	•
Spurn Head	1020·6	-3	WNW	5	o	55	85	6	1500	Sc	10	·	10	•	1019·5	-3	WNW	6	c	58	85	6	1500	St	6	ACu	8	3
Birmingham (Edgbaston)	1023·8	-1	WNW	4	o/r	59	75	8	4000	StCu	10	·	10	1	1023·1	-1	WNW	3	o	56	97	6	4000	Nb	10	-	10	•
Nottingham	1022·4	-1	WNW	4	o	60	85	7	2500	StCu	10	·	10	•	1021·4	-1	WNW	3	o	58	92	7	2500	Nb	10	-	10	•
Cranwell	1022·3	-1	W'S	4	o	60	85	6	1500	St	10	·	10	0	1021·4	-1	W	4	o	59	75	6	1500	St	9	ASt	10	•
Gorleston	1021·1	-1	NW	1	o	66	65	6	5700	StCu	10	·	10	•	1020·2	-1	W	1	o	61	75	6	-	-	0	ASt	10	0
Valencia (Cahirciveen)	1030·7	+1	NNW	2	o	58	92	7	800	St	10	-	10	1	1030·5	0	NW	3	o+	57	97	7	800	St	10	-	10	0
Roches Point	1027·1	-1	NW	4	o+	66	85	8	1500	StCu	10	·	10	•	1027·2	0	NW	4	o+	62	97	8	1500	St	7	CiSt	9	0
Pembroke (St. Ann's H.)	1026·5	-2	W	3	o	54	85	8	4000	StCu	10	-	10	•	1025·4	-2	NW	3	c	55	92	8	4000	StCu	7	-	7	3
Ross-on-Wye	1024·5	-1	SW	2	o	60	75	8	4000	Nb	5	ASt	10	0	1023·7	-1	W	2	of+	59	85	8	2500	Nb	10	-	10	•
Benson	1023·8	-1	WNW	3	o+	63	65	8	-	Cu	3	ASt	10	0	1023·5	-2	W	2	o	60	85	8	-	St	10	-	10	•
Andover	1024·3	0	NW'W	3	o	62	75	7	2500	StCu	4	ASt	10	0	1023·6	-1	W'N	4	o	59	85	7	2500	StCu	9	ASt	10	•
S. Farnborough	1023·8	-1	WSW	3	o	66	45	7	2500	StCu	10	·	10	0	1023·3	-1	W'N	4	o/r	60	75	6	2500	StCu	9	ASt	10	•
London (Kew Obsy.)	1023·7	-1	WNW	2	o	65	65	8	4000	Cu	7	ASt	10	0	1022·9	-2	WNW	2	od₀	61	75	7	2500	StCu	9	ASt	10	•
Croydon	1023·5	-1	NW	3	o	64	65	8	4000	StCu	4	ASt	10	0	1022·7	0	NW	2	o/r	60	75	7	2500	StCu	8	ASt	10	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021·8	+1	WNW	3	o	61	75	6	4000	St	10	-	10	0
Shoeburyness	1022·9	-1	NW	2	c+	67	55	8	5700	StCu	6	ACu	8	•	1022·3	-1	NW	1	o	61	65	8	5700	StCu	8	ASt	10	•
Grain	1022·9	-1	WNW	4	o	65	65	7	7200	Sc	6	ASt	9	0	1022·4	0	W	2	o	61	75	7	4000	StCu	10	-	10	0
Lympne	1023·3	0	WNW	3	o	60	68	7	5700	StCu	4	ASt	10	0	1022·6	0	WNW	2	c	60	75	7	4000	StCu	10	-	10	•
Scilly (St. Mary's)	1029·3	0	NW	3	o	59	85	8	4000	StCu	9	·	9	•	1027·9	-2	NW'N	4	ffo	55	97	1	450	St	10	-	10	4
Falmouth (Pendennis)	1028·6	0	NNW	2	o+	59	85	8	5700	StCu	10	·	10	•	1027·2	-2	NW	3	o	60	85	8	5700	StCu	9	-	9	0
Plymouth (Cattewater)	1027·0	-1	NW	4	oc₀	63	65	8	2500	StCu	9	ASt	10	0	1026·3	-2	WNW	2	o/p	60	85	8	1500	StCu	10	-	10	0
Portland Bill	1026·2	-1	W	4	c₀	57	85	7	4000	StCu	8	·	8	•	1025·7	-1	W	3	od₀	57	75	6	-	-	0	ASt	10	1
Southampton (Calshot)	1024·4	-2	WNW	3	o	65	65	7	4000	StCu	7	ASt	10	0	1024·2	-1	WNW	4	o/r	60	75	8	7200	StCu	9	ASt	10	0
Dungeness	1024·7	-1	NW	3	o	59	75	7	1500	Sc	10	-	10	•	1022·7	+1	WSW	3	o	57	85	7	-	-	0	ASt	10	3
Jersey	1025·9	0	NW	2	o	58	85	7	-	-	0	-	0	•	1025·1	0	NW	2	o	58	85	8	4000	StCu	10	-	10	0

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	c2-o	ooid₀	[illegible]	*	*	50	-	0·1	3·3	*	*
Croydon } 24 hours ended 0700	oo	ops.d.o	[illegible]	*	*	51	Tr	Tr	2·3	*	*
Greenwich (Royal Obsy.)	o	o	opco	69	55	44	-	-	1·6	61	73
City (Bunhill Row)	*	*	*	*	*	*	*	*	1·5	*	*
Westminster (St. James' Pk.)	*	*	*	67	56	51		-	2·0	60	76
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	2·6	*	*
Camden Square	bcco	o	*	68	55	52	-	-	*	*	71
Kensington Palace	o	o	*	67	55	50	-	-	*	72 (18h)	74
Hampstead Observatory	*	*	*	65	54	48	Tr	-	2·4	*	66

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 21st

South Kensington Max.	Time.	Min.	Time.
0·3	23h. 20th	<0·3	2h. 21st
0·3	6h. 21st		

Kew Observatory Max.	Time.	Min.	Time.
0·5	22h. 20th	<0·3	16h. 20th
0·1	8h. 21st		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 21st 21 h. 45 m. to 22nd 02 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5.00	2.42	60
δ Ursae Minoris	5.00	2.36	58

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 (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	-	68
18h.	C	5	-	95
01h.	C₁C₂	6	-	155
07h.	C	5	-	55

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

22nd & 23 June 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.32 / 3.32	11.55 / 11.55	8.18 / 8.18
Greenwich	3.45 / 3.45	12.2 / 12.2	8.19 / 8.19
Wick	3.8 / 3.8	12.14 / 12.14	9.20 / 9.20
Valencia	4.23 / 4.23	12.43 / 12.43	9.3 / 9.3

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.
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_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.

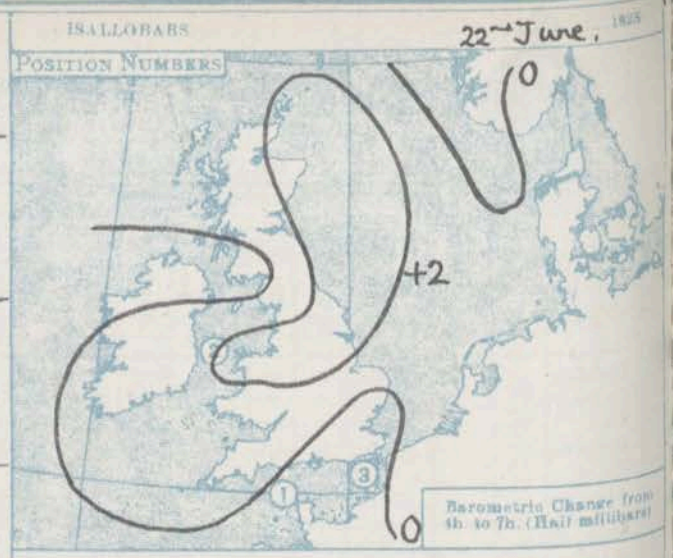
SEA DISTURBANCE.
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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 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	bcp	bcq	bcq	omd	53	46	•	0·1	0·2	<0800	2130	8·0
Stornoway	oo	r·d	r or d	rr	55	49	•	1	3	-	<2100	0·4
Wick	oo	or₀r₀	or₀r₀	oirim	56	48	•	0·2	4	1430	<2100	•
Castlebay	om	omdf	d₀dff	d₀dff	54	52	•	0·3	0·2	1530	<2100	0·9
Nairn	cqq	cqq	cq	cqq	62	53	•	–	–	–	-	1·4
Aberdeen	oo	oqo	o·op₀	o.op₀·o	64	55	52	–	0·2	-	2400	0·6
Malin Head	wfo	wifo	idif·o	ommc	55	50	•	0·5	0·3	<0800	2400	0·1
Renfrew	oo	oom	od₀	oo	61	54	51	–	–	–	-	?
Edinburgh (Inchkeith)	oc	oo	oo	oo	59	53	52	–	–	–	-	3·9
Leuchars	oq	oqy	oo	oo	66	54	49	–	–	–	-	1·4
Eskdalemuir	oop₀o	oo	od₀·o	op₀·o	61	50	50	Trace	Trace	<0800	<2100	0·7
Tynemouth	oomq	oc	T₀mq	cq	63	54	51	Trace	0·1	<0800	2400	•
Blacksod Point ...	oo	F		form	58	49	•	–	–	–	-	•
Donaghadee	o	c	oq	oq	63	56	•	–	–	–	-	•
Birr Castle	o	co	c·o.	c·o	66	51	47	–	–	–	–	1·5
Holyhead	oom	oc	c·o	oo	58	55	54	1	–	<0800	-	1·3
Liverpool (Bidston) ...	od₀m	od₀pc	c	c	58	54	52	0·1	–	1530	-	0·9
Chester (Shotwick) ...	opr₀	op₀r₀mo	c.bc.o	ooq	60	58	53	0·3	–	0900	-	0·8
Spurn Head	oo	c	c	c	59	55	•	–	–	–	-	0·7
Birmingham (Edgbaston)	oir	or	bc	c·o	60	54	50	1	Trace	1630	0230	0·0
Nottingham	oop	oo	o	oo	61	56	52	Trace	–	0900	–	0·1
Cranwell	oid₀	op₀o	bcm	oo	62	53	51	Trace	–	1100	–	0·4
Gorleston	co	omo	om·c·bc	oo	67	54	50	–	–	–	-	1·0
Valencia (Cahirciveen)	omp	oo	b	o.c.o	58	53	47	1	–	<0800	-	0·0
Roches Point	oco	co						–		–		
Pembroke (St. Ann's H.)	oo	c	b or bc	b or bc	56	53	•	–	–	–	-	1·1
Ross-on-Wye	ovo	op₀	r.o.c.o.	oo	62	56	51	0·2	0·4	1730	<2100	0·6
Benson...	co	do	o	o	65	54	47	–	–	–	-	•
Andover	o	oo	opr·o	o·c·o	64	52	48	–	0·1	-	<2100	0·7
S. Farnborough ...	o	ompr₀	or₀	oow	67	53	48	Trace	0·1	1530	2200	3·2
London (Kew Obsy.) ...	czo	oo₀id₀	od₀oir₀om	om.o.c	66	55	50	–	0·1	–	<2100	3·3
Croydon	oo	opdo	od₀mbc	bcmd₀o	65	55	51	Trace	Trace	1630	<2100	2·3
Clacton-on-Sea ...	cz	coz	oz·o	o·c	68	54	51	–	–	–	-	1·4
Shoeburyness	bmbccy	cyo	o	o	68	53	49	–	–	–	-	2·3
Grain	omcmo	oo	op₀o·c	op₀o.c	67	52	45	–	0·1	–	-	2·1
Lympne	om	oo	or·r₀c	form	65	52	42	–	0·2	–	2200	1·4
Scilly (St. Mary's) ...	c	coff	om.bc	bc	60	53	•	–	–	–		0·4
Falmouth (Pendennis)	bcc	c	c·bc	bc	63?	55	•	–	–	–	-	0·7
Plymouth (Cattewater)	or	oo	od	oo	64	56	53	Trace	Trace	1100	<2100	1·0
Portland Bill	c	oo	T or d	c	61	55	•	–	1	–	<2100	•
Southampton (Calshot)	oo	r-d	oT₀·o	oo	65	54	52	Trace	Trace	1430	<2100	2·7
Dungeness	c	oo	T or d	c	61	54	•	–	Trace	–	2400	•
Jersey	b	bc.o	o·c.o	o·c.o	62	55	•	–	–	–	-	4·5



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	21st 1010	Scotia	SW	2	o	54	52	8
3	22nd 0200	Urundel	W	2	r	55	54	

GENERAL INFERENCE.

The depression near Iceland will cause Westerly winds, strong at times in the North. The weather will be mainly cloudy with some rain or drizzle in most places but in the South of England considerable fair periods are probable.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 22nd. June, 1923.	Farther Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Moderate to fresh N.W. to W. winds; mainly cloudy but some fair periods, occasional rain or drizzle in places; rather warm.	Rather unsettled but considerable fair periods in the South.
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	Westerly winds, strong at times; cloudy, occasional rain or drizzle; visibility poor at times; moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	As 1 - 6	

† For Code see opposite page

June, 1923

0

rie Change from (Half millibars)

Temp. Air.	Temp. Sea.	Visibility
54	52	6
55	54	6

Iceland
strong
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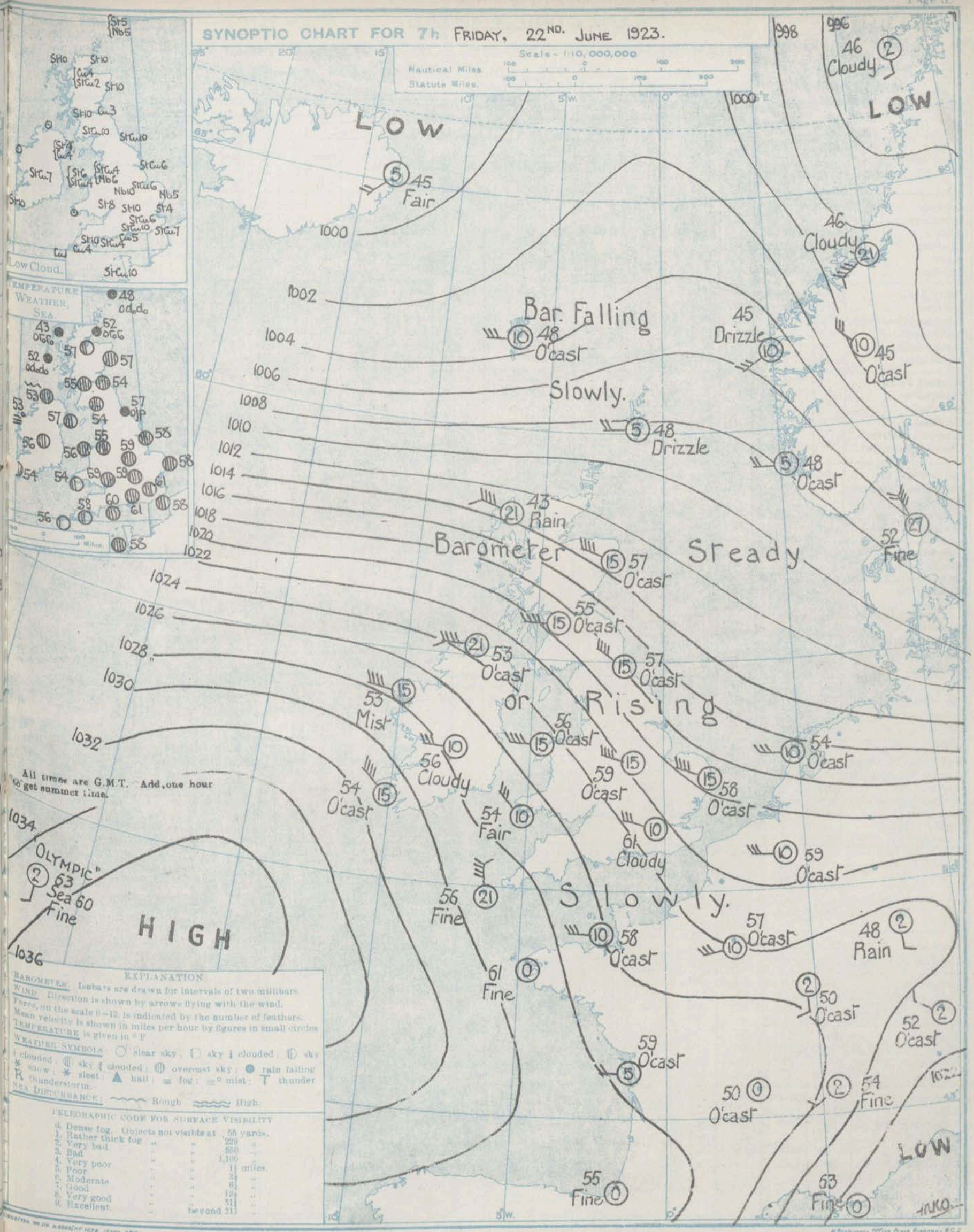

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.. FRIDAY, 22nd JUNE .....1923. No. 173

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	Sea. 0-9
Lerwick	1009.2	0	W	2	bc	47	85	7	1500	St	3	aCu	4	*
Stornoway	1013.7	0	W	5	DD	*	*	4	*	*	*	*	*	*
Wick	1010.7	-2	W	1	ooo	50	97	8	1500	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1021.6	0	WSW	5	o/f	53	92	7	2500	St	10	-	10	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1013.9	-3	W	6	●	55	85	8	-	St	7	Ci St	10	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1016.4	-1	W	4	oo	56	85	6	1500	Ns	10	-	10	*
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1023.9	0	W'N	5	o	56	92	8	4000	St Cu	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1018.3	-2	W	5	c	56	92	8	4000	St Cu	7	-	7	*
Birmingham (Edgbaston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1020.6	-1	WSW	4	bc	54	92	7	2500	St Cu	4	-	4	*
Gorleston	1019.9	0	W	3	bc-	55	92	7	-	-	0	aCu	4	*
Valencia (Cahirciveen)	1031.1	0	W	2	b-	54	97	8	-	-	0	aCu	3	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1026.4	0	NW	3	bc	54	97	8	4000	Cu	4	-	4	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover		*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...		*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...		*	*	*	*	55	*	*	*	*	*	*	*	*
Croydon	1022.7	-1	W'S	2	bc	55	97	6	-	-	0	Ci St	4	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness... ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1022.2	0	WNW	3	bc-	55	97	7	-	-	0	aSt	5	*
Scilly (St. Mary's) ...	1027.8	0	N'W	4	b	55	97	7	4000	St Cu	3	-	3	*
Falmouth (Pendennis)	1026.9	0	NW	4	b-	56	92	8	5700	Cu	3	-	3	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1025.5	0	W	2	c	56	85	6	2500	St Cu	8	-	8	*
Southampton (Calshot)	1023.9	-1	WNW	3	o/r	55	97	7	4000	St Cu	6	aSt	10	*
Dungeness	1022.3	0	SW	3	c-	56	92	7	4000	St Cu	7	-	7	*
Jersey 7h } ... ... 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 Fee	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1008.0	-3	W	2	odo3	48	97	5	800	St	10	-	10	1
Stornoway	1013.9	+1	WNW	5	ooo	43	97	4	450	St	10	-	10	4
Wick	1010.8	+2	WNW	2	ooo	52	97	6	800	St	10	-	10	*
Castlebay	1018.7	+1	WNW	5	do3	52	97	5	800	Ns	10	-	10	4
Nairn	1013.7	*	W	4	bc	57	75	8	4000	Cu	6	-	6	*
Aberdeen	1013.7	+2	WNW	4	o	57	75	8	1500	St	10	-	10	0
Malin Head	1022.6	+1	W	5	o	53	97	7	-	-	0	aSt	10	6
Renfrew	1019.1	+2	W	4	o	55	85	8	800	St	10	-	10	*
Edinburgh (Inchkeith)	1015.9	+2	W	6	o-	54	85	8	-	Cu	3	Ci St	9	4
Leuchars	1014.9	+2	W	3	o	59	75	8	1500	St	3	aSt	10	*
Eskdalemuir	1018.5	0	W	6	o	54	85	7	800	StCu	10	-	10	*
Tynemouth	1016.4	+1	NW	4	ajp	57	86	6	5700	StCu	10	-	10	3
Blacksod Point ...	1027.5	0	W'N	4	mmo	53	97	5	-	-	0	aSt	10	3
Donaghadee	1022.2	0	W	4	c-	57	85	8	1500	Cu	8	-	8	4
Birr Castle	1027.9	*	W	3	c-	56	85	6	4000	St Cu	7	-	7	*
Holyhead	1025.4	+3	W	4	o	56	85	7	2500	St	10	-	10	3
Liverpool (Bidston) ...	1022.9	-1	W	6	o	55	85	6	2500	Ns	10	-	10	4
Chester (Shotwick) ...	1023.3	+2	W'N	6	o	58	85	8	800	St	10	-	10	*
Spurn Head	1018.3	+2	WNW	6	o	58	85	7	2500	St Cu	6	aCu	10	3
Birmingham (Edgbaston)	1023.1	+1	WNW	6	o	57	92	6	800	St	10	-	10	*
Nottingham	1020.9	+1	WNW	4	o	59	85	6	1500	Ns	10	-	10	*
Cranwell	1020.5	+1	WSW	4	o	58	85	7	2500	St Cu	6	aCu	10	*
Gorleston	1019.3	0	WNW	4	o	58	85	6	4000	Ns	5	aCu	10	0
Valencia (Cahirciveen)	1031.5	+1	NW'N	4	o4	54	92	6	800	St	10	-	10	3
Roches Point														
Pembroke (St. Ann's H.)	1026.8	+1	N.W	3	bc	54	92	8	-	-	0	Ci St	4	3
Ross-on-Wye	1024.3	+2	WNW	3	o	59	75	8	2500	St	8	aSt	10	*
Benson...	1023.2	0	WNW	2	o	59	85	8	1500	St	10	-	10	*
Andover	1023.5	0	W'N	3	o	60	85	8	1500	St Cu	10	-	10	*
S. Farnborough ...	1023.1	+1	WNW	3	o	61	85	8	2500	St Cu	10	-	10	*
London (Kew Obsy.)...	1022.6	+1	W'N	3	c-	61	75	7	2500	St Cu	6	Ci Cu	8	*
Croydon	1022.6	+1	WNW	3	o	59	85	8	1500	St Cu	9	aSt	10	*
Clacton-on-Sea ...	1020.8	0	WNW	3	c	58	85	7	2500	St	4	aCu	7	1
Shoeburyness... ...	1021.5	0	WNW	3	o	62	75	7	5700	St Cu	6	aSt	10	*
Grain	1021.4	0	WNW	5	c-	60	75	6	-	-	0	aSt	7	0
Lympne	1021.9	0	WNW	3	c	57	92	7	-	-	0	aCu	8	*
Scilly (St. Mary's) ...	1028.3	0	N'W	5	b	56	92	8	5700	Cu	1	aCu	2	4
Falmouth (Pendennis)	1028.4	+1	NNW	3	bc	58	85	7	4000	Cu	4	-	4	0
Plymouth (Cattewater)	1026.9	+1	NW	3	o	58	92	8	1500	St	10	-	10	0
Portland Bill	1025.0	0	NW	3 ~~4~~	c-	60	75	7	7200	St Cu	4	Ci	8	1
Southampton (Calshot)	1024.0	0	NW'N	~~3~~ 4	o-	60	85	7	2500	Cu	5	Ci St	9	0
Dungeness	1022.0	0	SW	3	c	58	85	7	4000	St Cu	7	-	7	3
Jersey 7h } ... ... Guernsey 1h }	1025.9	0	W	3	*	58	85	8	4000	St Cu	10	-	10	0

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 20-21st °F.	Temperature. Max. Day. 21st °F.	Rainfall.† Night 17h.-9h. 20-21st mm.	Rainfall.† Day 9h.-17h. 21st mm.	Sunshine. Sunrise to 17h. 21st hr.	Sunshine. Sunrise to Sunset. 20 hr.
Montrose	oc	c	50	68	1	-	1.3	4.0
Berwick-on-Tweed	opro	obcbc	50	65	0.1	-	2.1	5.1
Llandudno	od	dmo	52	59	1	1	0.4	10.2
Colwyn Bay ...	c	cpbc	51	60	-	1	0.2	10.3
Rhyl...	o	bc	52	61	-	-	1.0	10.9
Southport	opo	orcbc	51	57	-	1	0.3	11.0
Blackpool	od	c	51	58	0.2	1	0.5	8.2
Ilkley	od,go	ogpuo	47	59	trace	0.2	0.0	4.5
Harrogate	od	o	46	59	-	0.2	0.3	5.3
Skegness	oco	o	44	68	-	-	2.0	7.9
Aberystwyth ...	ooc	corro	52	57	-	2	0.0	9.2
Bath	cbc	becor	44	62	-	-	1.0	7.5
Leamington Spa ...	o	do	43	62	-	-	0.2	3.8
Lowestoft	o	o	41	64	-	-	0.1	2.7
Felixstowe	omo	cog	42	67	-	-	0.9	1.8
Southend	o	oco	46	69	-	-	3.0	2.6

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 20-21st °F.	Temperature. Max. Day. 21st °F.	Rainfall.† Night 17h.-9h. 20-21st mm.	Rainfall.† Day 9h.-17h. 21st mm.	Sunshine. Sunrise to 17h. 21st hr.	Sunshine. Sunrise to Sunset. 20 hr.
Ilfracombe	od	o	51	57	-	-	0.0	10.4
Bude	oc	couog	47	60	-	-	0.5	12.9
Penzance	oc	bcc	50	64	-	-	*	*
Paignton	ocop	o	50	68	-	0.3	0.1	10.4
Torquay	c	droc	50	68	-	0.2	0.2	10.9
Weymouth	obc	co	47	64	-	-	1.5	8.3
Bournemouth ...	d	o	45	65	-	-	1.9	6.5
Portsmouth (S'thsea)	bo	o	48	65	-	-	3.2	4.9
Worthing	bcc	co	48	63	-	-	3.2	4.1
Brighton	c	o	50	61	-	-	2.0	2.7
Eastbourne	bo	o	50	60	-	-	2.9	4.4
Hastings	bbcco	oco	48	63	-	-	3.2	1.9
Folkestone	o	o	44	65	-	-	1.1	3.6
Tunbridge Wells ...	o	o	47	67	-	-	1.5	1.3
Ramsgate	obc	o	45	65	-	-	0.2	1.3
Margate	o	o	49	64	-	-	0.2	0.5
Deal	o	o	45	67	-	-	0.5	1.0

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* 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. 22492 Saturday, 23rd June 1923.

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	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of Ground.
Lerwick	1006.8	+1	W	3	0	52	85	6	2500	St	9	·	9	·
Stornoway	1014.9	+1	W	5	odd	53	97	5	450	St	10	·	10	·
Wick	1011.4	+2	WNW	3	o/r	54	92	7	4000	StCu	10	·	10	·
Castlebay	1019.1	0	WSW	5	mmo	53	97	6	1500	St	10	·	10	·
Nairn	*	*	*	*	*	*	*							*
Aberdeen	1013.3	0	W	4	0	67	55	8	2500	StCu	4	Ci	10	0
Malin Head	1023.1	+1	W	5	mmo	54	97	6	·	·	0	ASt	10	·
Renfrew	1020.3	+1	W	5	odd	57	85	6	800	Nb	10	·	10	0
Edinburgh (Inchkeith)	1016.2	0	W	6	c	56	85	8	2500	Cu	2	CiSt	7	·
Leuchars	1015.8	+1	SW	5	0	62	75	8	4000	StCu	8	ASt	10	0
Eskdalemuir	1019.8	0	W	6	0	58	75	8	2500	StCu	10	·	10	0
Tynemouth	1017.3	+3	WNW	4	bc	65	65	7	4000	Cu	4	Ci	6	·
Blacksod Point	1028.1	0	W'N	4	mmo	55	97	4	·	·	0	ASt	10	·
Donaghadee	1023.6	+1	W	3	bc+	66	65	8	1500	Cu	6	·	6	·
Birr Castle	1028.0	*	W	2	0+	61	85	8	4000	StCu	9	·	9	·
Holyhead	1026.2	0	W'S	4	c	60	85	7	4000	StCu	8	·	8	0
Liverpool (Bidston)	1024.3	+1	W	6	c	60	75	7	4000	St	4	Ci	8	·
Chester (Shotwick)	1024.8	+2	WNW	6	0-	64	65	8	2500	Cu	6	CiSt	9	0
Spurn Head	1020.0	+1	WNW	6	c	61	75	7	4000	Cu	3	CiCu	7	·
Birmingham (Edgbaston)	1024.2	0	NW	6	0	63	65	7	4000	StCu	9	·	9	1
Nottingham	1022.4	+1	W	5	c	64	75	7	4000	StCu	4	CiSt	7	·
Cranwell	1021.9	+1	WNW	4	c	65	75	6	2500	StCu	5	ACu	8	0
Gorleston	1019.7	0	WNW	4	0	66	75	6	4000	StCu	10	·	10	·
Valencia (Cahirciveen)	1031.9	0	WNW	2	c-	60	85	7	1500	StCu	7	·	7	0
Roches Point	1029.3	-1	NW	4	0+	62	85	8	4000	StCu	9	·	9	·
Pembroke (St. Ann's H.)	1026.4	+1	WNW	3	c	58	85	8	·	·	0	ASt	8	·
Ross-on-Wye	1024.9	+1	NW	4	c+	64	65	9	4000	Cu	5	CiCu	8	0
Benson	1023.5	0	WNW	4	c-	68	65	8	-	Cu	6	Ci	7	0
Andover	1023.7	0	WNW	4	c-	70	65	8	2500	Cu	6	Ci	8	0
S. Farnborough	1023.5	0	SSW	4	0	71	65	8	4000	Cu	5	Ci	9	0
London (Kew Obsy.)	1023.3	0	W	3	c-	69	55	8	4000	StCu	6	ACu	8	0
Croydon	1023.1	-1	NW	3	c	69	55	8	4000	Cu	5	CiCu	8	0
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	StCu	3	ACu	6	*
Shoeburyness	1022.6	+2	WNW	4	bc	68	55	8	4000	StCu	2	ACu	9	0
Grain	1022.6	+1	NW	4	0	67	65	7	2500	St	2	ACu	10	0
Lympne	1022.3	0	NNW	4	0	67	75	6	4000	StCu	8	ACu	2	0
Scilly (St. Mary's)	1029.2	0	NW	4	b	60	85	8	4000	Cu	2	·	5	·
Falmouth (Pendennis)	1028.6	0	N	5	bc	64	65	8	4000	Cu	3	·	5	·
Plymouth (Cattewater)	1027.2	0	N	5	c	64	75	8	2500	StCu	1	Ci	7	0
Portland Bill	1025.0	0	N	3	bc	68	75	7	·	·	0	CiCu	5	·
Southampton (Calshot)	1024.2	0	NW	4	c	70	65	7	4000	Cu	5	Ci	8	0
Dungeness	1022.2	0	N	4	c	70	65	7	4000	Cu	8	·	8	·
Jersey	1026.9	+1	W	2	b_1	63	75	8	4000	StCu	2	—	2	·

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	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1009.0	+5	W	3	0	51	85	6	4000	St	5	ASt	10	2
Stornoway	1015.8	+1	W	4	o/r	54	97	6	800	St	10	-	10	3
Wick	1013.6	+3	WNW	3	0	53	92	8	1500	St	10	-	10	0
Castlebay	1014.9	+1	W	5	odd	52	97	6	1500	St	10	-	10	4
Nairn	1015.9	*	W	6	c+	57	85	8	4000	CuNb	8	-	8	·
Aberdeen	1015.0	+2	WNW	5	0	60	65	8	1500	Cu	9	-	9	3
Malin Head	1023.3	0	WSW	5	mmo	53	97	6	—	—	0	ASt	10	6
Renfrew	1020.7	0	W	4	0	58	85	6	800	St	10	-	10	·
Edinburgh (Inchkeith)	1017.1	0	WSW	6	c	56	85	7	-	Cu	5	CiCu	7	4
Leuchars	1015.8	0	W	6	c	63	65	8	1500	St	3	Ci	7	·
Eskdalemuir	1021.0	0	W'S	5	0	55	85	7	1500	St	10	-	10	·
Tynemouth	1018.0	+1	W	5	bc	63	65	6	5700	Cu	4	CiCu	6	4
Blacksod Point	1028.1	0	WNW	4	mmo	55	97	4	—	—	0	ASt	10	4
Donaghadee	1023.6	0	W	3	c+	63	75	8	2500	Cu	5	ACu	8	4
Birr Castle	1028.1	*	W	2	bc-	63	75	8	4000	StCu	6	-	6	·
Holyhead	1023.6	-1	WSW	3	bc-	59	85	7	4000	StCu	5	-	5	1
Liverpool (Bidston)	1024.3	0	W	6	b-	60	75	7	4000	StCu	3	-	3	4
Chester (Shotwick)	1024.6	-1	WNW	5	c	63	65	8	2500	StCu	6	CiCu	7	·
Spurn Head	1020.1	+1	WNW	6	c	61	85	7	-	-	0	CiCu	8	2
Birmingham (Edgbaston)	1024.8	0	NW	5	0	64	65	7	4000	StCu	10	-	10	·
Nottingham	1023.1	0	W	4	c	62	75	7	2500	StCu	5	ACu	7	·
Cranwell	1024.4	0	W'S	4	c	64	75	7	4000	StCu	4	ACu	7	·
Gorleston	1020.3	+1	WNW	4	bc	69	65	6	4000	StCu	5	-	5	0
Valencia (Cahirciveen)	1031.8	0	NW'W	3	0	58	85	7	1500	StCu	9	-	9	0
Roches Point	1029.3	0	NW	3	c-	62	92	8	4000	StCu	7	-	7	0
Pembroke (St. Ann's H.)	1028.0	-1	W	3	c	56	85	8	4000	StCu	7	-	7	3
Ross-on-Wye	1025.3	+1	WNW	4	c+	63	65	8	4000	StCu	7	Ci	8	·
Benson	1024.8	0	NNW	3	bc	68	65	8	-	Cu	5	-	5	·
Andover	1023.9	0	NW	5	c-	68	65	8	4000	Cu	5	CiCu	7	·
S. Farnborough	1024.0	+1	WNW	3	0	65	65	8	5700	Cu	4	Ci	9	·
London (Kew Obsy.)	1023.9	+1	NW	2	c	66	55	8	4000	StCu	1	Ci	8	·
Croydon	1023.7	+2	NW'N	3	c	65	65	7	4000	StCu	4	CiSt	8	·
Clacton-on-Sea	1022.1	+1	WNW	4	c	69	65	6	—	—	0	Ci	7	0
Shoeburyness	1022.4	0	WNW	3	bc-	70	55	8	-	-	0	CiSt	4	·
Grain	1022.7	0	WNW	4	bc	68	55	7	4000	StCu	1	Ci	6	0
Lympne	1023.0	+1	NW	3	c	65	65	6	4000	StCu	4	ASt	7	·
Scilly (St. Mary's)	1029.7	0	NWW	3	b_1	58	85	6	-	-	0	ACu	2	3
Falmouth (Pendennis)	1028.5	0	N	4	b_1-	62	75	8	4000	Cu	2	-	2	0
Plymouth (Cattewater)	1027.0	0	NNW	6	b_1-	63	75	8	5700	StCu	1	-	1	0
Portland Bill	1024.8	-2	NW	4	b_1-	63	75	7	-	-	0	CiCu	2	1
Southampton (Calshot)	1024.3	+2	N	4	c	68	55	8	5700	StCu	1	Ci	8	0
Dungeness	1022.8	0	N	4	bc	67	65	7	-	-	0	Ci	5	4
Jersey	1026.4	0	W	2	b	62	75	8	—	-	0	-	0	0

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. 21h. G.M.T. %
	24 hours ended 0900 G.M.T. 23rd								Yesterday.		To-day.
Kew	cocy	cy	bmbw	·	·	41	-	-	5.2	·	·
Croydon (24 hours ended 0700)	or,ocy	cyoc	bcmb	·	·	42	tr.	-	4.3	·	·
Greenwich (Royal Obsy.)	oc	c	b	72	52	39	-	-	4.9	56	65
City (Bunhill Row)	·	·	·	·	·	·	·	·	3.0	·	·
Westminster (St. James' Pk.)	·	·	·	71	51	46	-	-	3.6	61	66
Regent's Pk. (Botanic Gdns.)	·	·	·	·	·	·	·	·	5.1	·	·
Camden Square	coc	c	·	72	52	48	-	-	·	·	65
Kensington Palace	bc	b	·	73	53	45	-	-	·	59 (18h)	66
Hampstead Observatory	·	·	·						5.4	·	

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 22nd

South Kensington Max.	Time.	Min.	Time.
0.3	19h. 21st	0.03	1-3h. 22nd
0.6	6-9h. 22nd		

Kew Observatory Max.	Time.	Min.	Time.
Less than 0.3	all day.		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 22nd 21h. 45m. to 23rd 2h. 15m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	4.30	4.30	100
δ Ursae Minoris	4.30	4.30	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 1200 and 1900 reports (Hoar frost in 0180 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 sec.	Stren.	Direc.
13h.	C_1C_2	5	-	150
18h.	C_1C_2	6	-	150
01h.	C_1C_2	5	-	150
07h.	C_1C_2	5	-	155

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

23rd & 24th June, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.32 / 3.32	11.56 / 11.55	8.18 / 8.18
Greenwich	3.45 / 3.45	12.2 / 12.2	8.19 / 8.19
Wick	3.8 / 3.8	12.14 / 12.14	9.20 / 9.20
Valencia	4.23 / 4.23	12.43 / 12.43	9.3 / 9.3

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.
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 c 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 sea 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 2.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 23rd	13h.-18h. 23rd	18h. 23rd 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. 23rd Hours.
Lerwick	o	oq	omr	omr	53	47	•	1	2	<0800	<2100	0.3
Stornoway	r-d	r	r-d	p	55	52	•	0.6	0.5	–	<2100	0.3
Wick	r.r.q	o	oir.	oimdc	54	51	•	0.4	1	<0800	<2100	•
Castlebay	doff	omff	of F	doff	53	51	•	trace	trace	?	–	0.0
Nairn	cgq	cgq	cgq	cq	60	56	•	–	–	–	–	0.4
Aberdeen	cqcbq	oqy	o	oo	67	56	52	–	–	–	–	0.7
Malin Head	ifoe	ffoe	ffoc	P.coe	55	51	.	–	trace	–	0430	0.0
Renfrew	obd.	ondo	oqm	oqm	58	53	51	trace	–	–	–	0.4
Edinburgh (Inchkeith)	c	c	c	r.o	58	52	52	–	–	–	0330	1.5
Leuchars	oq	ocq	qco	co	64	54	48	–	–	–	–	1.6
Eskdalemuir	ocbo	o	odm	oo	61	51	50	–	0.2	–	<2100	1.5
Tynemouth	c	q	c	oo	63	56	53	–	–	–	–	•
Blacksod Point	f-m	m	F		57	49	•	–	–	–	–	•
Donaghadee	bcq	bcq	c	c	67	53	•	–	–	–	–	•
Birr Castle	co	oo	cq	co	66	53	51	–	–	–	–	7.6
Holyhead	cc	cocbc	cocbc	bc.c	62	54	52	–	–	–	–	3.0
Liverpool (Bidston)	ocq	cbcq	coq		63	54	50	–	–	–	–	3.0
Chester (Shotwick)	oq	ooc	coo	bo	66	56	52	–	–	–	–	3.9
Spurn Head	c	c	cop.r	c	62	56	•	–	trace	–	<2100	5.0
Birmingham (Edgbaston)	c	c	bd	co	66	53	47	–	–	–	–	4.9
Nottingham	o	c	cb	bbc	66	53	51	–	–	–	–	2.4
Cranwell	oco	c	co	obcc	68	54	50	–	–	–	–	8.8
Gorleston	ocoq	oqcbK	b.bc	cbc	72	55	51	–	–	–	–	4.1
Valencia (Cahirciveen)	oc	co	oc	o	60	56	54	–	–	–	–	1.0
Roches Point	bbcco	oc	c	co	65	55	*	–	–	–	–	*
Pembroke (St. Ann's H.)	b-bc	b.bc	b.bc	bbc	60	53	•	–	–	–	–	10.3
Ross-on-Wye	ocbcc	bcebc	coc b	bbcbv	68	52	45	–	–	–	–	8.3
Benson	oc	bc	bcb	b	71	45	37	–	–	–	–	•
Andover	oc	cbcc	ebcb	b	73	45	37	–	–	–	–	8.1
S. Farnborough	oo	ocy	ocbc	bcbrv	74	48	43	0.1	trace	<0800	–	5.7
London (Kew Obsy.)	cocy	cy	cybmb	bbwz	70	52	41	–	–	–	–	5.2
Croydon	o.ocy	cyoc	bczmb	bcbm	71	52	42	trace	–	<0800	–	4.3
Clacton-on-Sea	cz	cz	cbcz	bcz	71	51	47	–	–	–	–	5.8
Shoeburyness	ocbcy	bcy	bcy	bw	71	50	44	–	trace	–	–	6.4
Grain	coo	ocbcy	bcy b	bwm	70	48	40	–	–	–	–	6.8
Lympne	cow	omcbc	cbw	bcbmw	70	47	39	–	trace	–	–	4.6
Scilly (St. Mary's)	bwb	bm	bm	cbc	61	53	•	–	–	–	–	11.0
Falmouth (Pendennis)	bc	bc	b	bbcc	65	55	•	–	–	–	–	14.1
Plymouth (Cattewater)	ocq	cbq	bq	bo	66	55	51	–	–	–	–	10.6
Portland Bill	b-bc	bbc	bbc	bbc	64	55	•	–	–	–	–	•
Southampton (Calshot)	c	c	b.bw	bbc	73	49	43	–	–	–	–	9.1
Dungeness	c	c	b.bc	c	73	51	•	–	–	–	–	•
Jersey	ocb	b	bw	bw	66	54	•	–	–	–	–	11.5

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Authority.
2	23rd 1000	Scotia	W	3	0	57	52	7
3	23rd 0200	Dieppe	N	1	0	57	55	7

GENERAL INFERENCE.

Depressions passing to the north of Sctoland will continue to cause occasional rain or drizzle in the North, with fresh to strong westerly winds, but in the Sputh, under the influence of the anticyclone off the mouth of the Channel, the weather will be generally fine for a time with rather high day temperatures.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Saturday, 23rd June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind between W. &. N.W., moderate; fine; visibility mainly good; warm.	Unsettled in the North; mainly fair in the South. --------
5. S.W. England 6. South Wales	Wind NW. to N., light to moderate; fine; visibility good apart from coastal mist; warm.	
7. North Wales	As 1 - 4.	
8. N.W. England 9. N. Midlands	Westerly winds, fresh to strong at times; varying amount of clpud, occasional drizzle locally; visibility moderate to good; moderate temperature.	
10. N.E. England 11. E. Scotland	Westerly winds, fresh to strong at times; fair; visibility moderate to good; rather warm.	
12. S.W. Scotland	As 7 - 9.	
13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind W. to S.W., fresh to strong; cloudy, occasional rain or drizzle; visibility poor at times; moderate temperature.	
17. N.W. Ireland	As 7 - 9.	
18. N.E. Ireland	As 10 - 11.	
19. S.E. Ireland 20. S.W. Ireland	Wind W to N.W., moderate; mainly cloudy; some coastal mist; sea slight.	

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

† For Code see opposite page

June 1923

etric Change from
h. (Half millibars)

Temp.		Visibility
Air.	Sea.	
57	52	
55	55	

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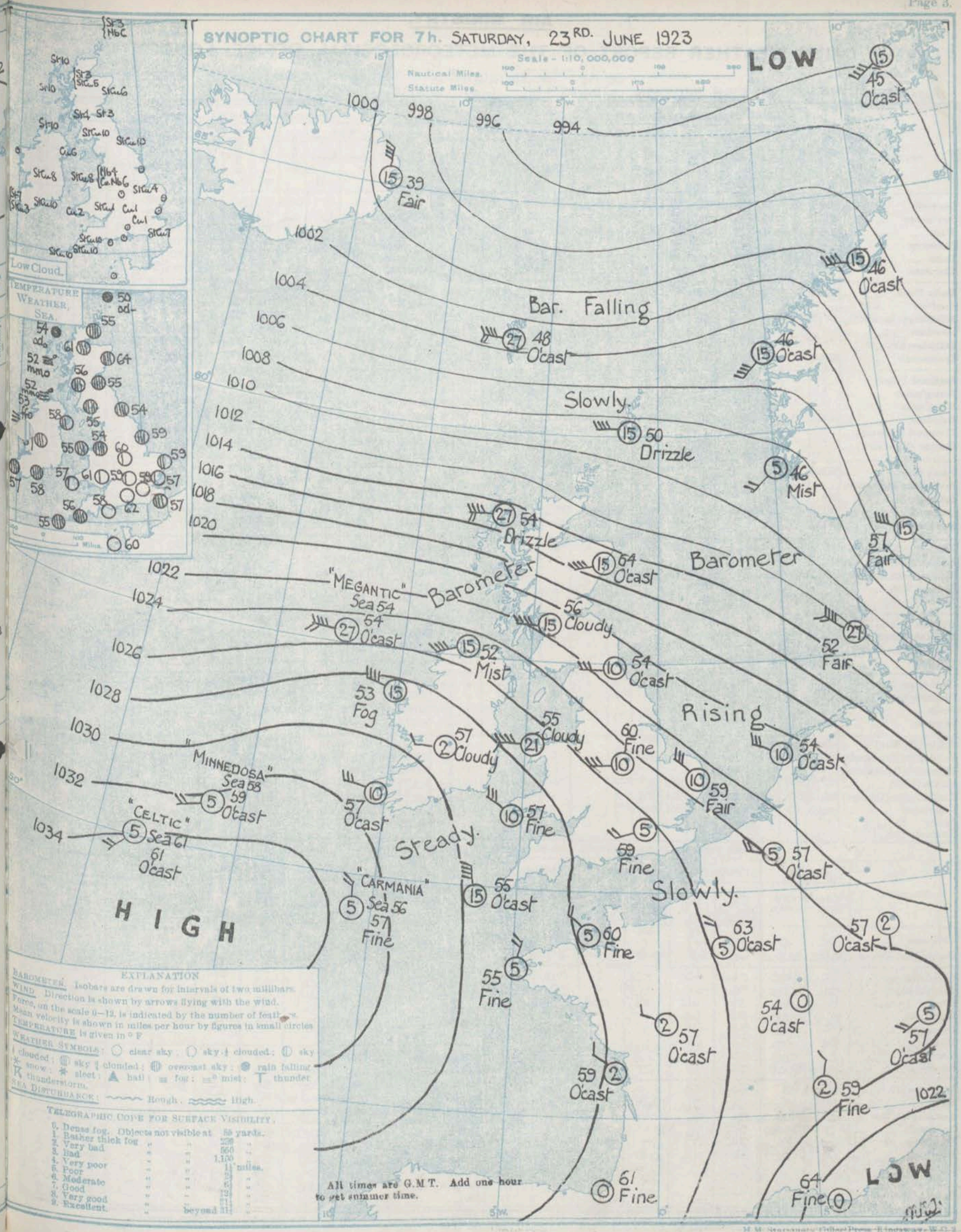


H.M. Stationery Office Press, Kingsway, W.C.2.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... Saturday, 23rd June ...1923. No. 174.

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	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1009.9	0	W	3	or	49	85	6	4000	Nb	7	A.St	10	•
Stornoway	1016.2	-1	W	6	dd	•	•	5	•	•	•	•	•	•
Wick	1013.3	-2	WNW	2	or	53	97	7	1500	St	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1024.0	0	WSW	5	mo-	53	97	7	-	-	0	A.St	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1017.3	+1	WSW	6	o+	54	85	8	•	St.	St	8	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1019.4	+1	N	2	bc-	57	85	7	-	-	0	A.Cu	5	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1026.6	+1	W	5	b	55	92	7	4000	StCu	3	-	3	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1021.4	-2	W	6	opc	57	92	7	4000	StCu	10	—	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1023.4	0	W'N	4	o+	55	92	7	4000	StCu	7	Ci.St	10	•
Gorleston	1022.0	0	NW	3	c+	58	85	7	4000	St	8	-	8	•
Valencia (Cahirciveen)	1022.3	0	NW'N	2	o	55	97	8	•	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1028.5	0	NW	3	b	54	92	8	-	-	0	A.St	1	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	57	•	•	•	•	•	•	•	•
Croydon	1025.1	+1	W'N	2	b	53	85	6	-	-	0	-	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness... ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1024.8	+1	N	4	b	49	97	7	-	-	0	Ci	1	•
Scilly (St. Mary's) ...	1030.8	0	NW	3	b/m	53	97	8	-	-	0	-	0	•
Falmouth (Pendennis)	1031.4	+1	N	1	b	56	85	7	-	-	0	-	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1027.3	+4	W	1	b	55	97	7	-	-	0	-	0	•
Southampton (Calshot)	1026.8	+2	NNW	3	b	54	85	7	-	-	0	-	0	•
Dungeness	1025.0	+3	N	1	b	51	92	7	-	-	0	-	0	•
Jersey 7h }														•
Guernsey 1h }														

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	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1008.4	-3	W	4	od-	50	97	6	1500	Nb	9	-	9	3
Stornoway	1015.3	+1	W	6	od	54	97	6	450	St	10	-	10	3
Wick	1011.8	-1	WNW	4	bc/r	55	97	7	220	St	4	Ci.Cu	6	3
Castlebay	1020.5	0	WSW	5	mmc	52	97	5	1500	St	10	-	10	4
Nairn	1015.0	•	W	7	c	61	75	8	1500	StCu	8	-	8	•
Aberdeen	1015.5	0	WSW	4	o	64	65	8	4000	StCu	6	ACu	10	0
Malin Head	1024.4	+1	WSW	4	mmc	52	97	4	<150	St	10	-	10	4
Renfrew	1022.5	+2	W	4	c-	56	92	6	800	St	4	ACu	8	•
Edinburgh (Inchkeith)	1020.3	+3	WSW	6	o	55	85	7	•	St	3	ACu	9	4
Leuchars	1018.3	+2	WSW	4	o	59	75	8	1200	StCu	5	A.St	9	•
Eskdalemuir	1023.1	+1	WSW	3	o	55	85	8	2500	StCu	10	-	10	•
Tynemouth	1020.9	+1	W	3	o	54	85	7	4000	StCu	10	-	10	2
Blacksod Point ...	1028.9	-1	WNW	4	ffo	53	97	3	•	-	0	A.St	10	4
Donaghadee	1024.3	0	W	1	bc-	58	85	8	1500	Cu	6	A.Cu	6	2
Birr Castle	1029.0	•	W	1	c+	57	92	8	4000	StCu	8	-	8	•
Holyhead	1027.0	+1	W	5	c	55	92	8	4000	StCu	8	-	8	4
Liverpool (Bidston) ...	1026.2	+1	W	6	o	54	92	7	1500	Cu.Nb	10	-	10	•
Chester (Shotwick) ...	1026.1	+1	WNW	5	o	58	85	8	1500	St	2	ACu	9	•
Spurn Head	1022.0	+1	W'N	5	c	59	85	8	-	-	0	ACu	8	2
Birmingham (Edgbaston)	1026.4	+2	WNW	3	c-	56	92	6	1500	St	2	ACu	8	•
Nottingham	1024.4	+1	W	3	b	60	85	7	-	-	0	ACu	3	•
Cranwell	1024.0	+1	W'S	4	c	59	85	7	4000	StCu	4	ACu	7	•
Gorleston	1022.2	0	NW	3	bc	59	85	6	-	-	0	Ci.Cu	4	1
Valencia (Cahirciveen)	1031.6	0	WNW	3	o	57	92	7	450	St	10	-	10	3
Roches Point	1030.5	0	WNW	2	o	58	92	8	4000	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1028.8	0	NW	3	b	57	85	8	4000	Cu	2	-	2	3
Ross-on-Wye	1026.7	+1	WNW	3	b-	61	75	8	5700	StCu	1	Ci.Cu	3	•
Benson...	1026.4	+1	W	2	b	59	85	8	1500	Cu	1	ACu	3	•
Andover	1024.5	0	WNW	4	b-	60	85	8	-	-	0	Ci.Cu	2	•
S. Farnborough ...	1026.7	+3	WNW	3	b	62	75	8	-	-	0	-	0	•
London (Kew Obsy.)...	1026.9	+2	WSW	2	b+	59	75	6	2500	Cu	1	-	1	•
Croydon	1026.1	+1	W'N	3	b+	58	85	8	1500	Cu	1	Ci	2	•
Clacton-on-Sea ...	1024.6	+2	WNW	3	b	57	85	6	-	-	0	ACu	3	0
Shoeburyness... ...	1025.7	+1	W'N	1	b-	61	75	7	-	-	0	Ci.St	2	0
Grain	1025.4	+3	N	4	b	59	85	6	-	-	0	Ci	1	•
Lympne	1025.1	0	NNW	3	bc	57	92	6	-	-	0	ACu	5	•
Scilly (St. Mary's) ...	1029.9	0	N'W	4	o+	55	97	8	4000	StCu	10	-	10	4
Falmouth (Pendennis)	1029.4	+1	N	3	o	56	85	7	4000	StCu	10	-	10	0
Plymouth (Cattewater)	1029.0	+1	N	3	o	57	85	7	1500	StCu	10	-	10	1
Portland Bill	1027.3	+1	-	0	b-	58	85	7	-	-	0	-	0	0
Southampton (Calshot)	1027.1	+1	NW'N	2	b+	59	75	7	-	-	0	ACu	3	0
Dungeness	1025.6	+2	NW	3	c	57	85	7	4000	StCu	7	-	7	0
Jersey 7h }	1027.8	0	NW	2	b	60	85	8	-	-	0	-	0	0
Guernsey 1h }														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night 21st-22nd	Temperature. Max. Day 22nd	Rainfall.† Night 17h.-9h. 21st-22nd	Rainfall.† Day 9h.-17h. 22nd	Sunshine. Sunrise to 17h. 22nd	Sunshine. Sunrise to Sunset. 21st
			°F.	°F.	mm.	mm.	hr.	hr.
Montrose	oc	c	56	67	-	-	1.2	1.6
Berwick-on-Tweed	obebc	bedec	60	64	0.3	-	2.7	2.1
Llandudno	oc	bec	56	63	-	-	3.4	1.0
Colwyn Bay ...	cbe	cbe	56	64	-	-	4.3	1.2
Rhyl...	bc	bc	56	66	-	-	3.2	1.5
Southport	oco	ocbcb	55	60	-	-	2.0	1.2
Blackpool	oc	bc	54	61	-	-	2.5	1.0
Ilkley	bc	bc	54	64	-	-	5.3	0.3
Harrogate	c	cbc	53	63	-	-	7.7	0.7
Skegness	bcb	bbcb	54	73	-	-	6.4	2.0
Aberystwyth ...	ocb	o	55	59	1	-	0.5	0.5
Bath	ocbc	bbcb	54	71	0.3	-	6.3	1.0
Leamington Spa ...	o	cb	54	66	-	-	2.8	0.2
Lowestoft	o	ocbc	54	70	-	-	3.2	0.1
Felixstowe	oc	bc	54	72	-	-	4.2	0.9
Southend	oc	bc	53	72	0.1	-	5.5	3.0
Ilfracombe	cbc	bcco	55	60	-	-	8.7	0.0
Bude	c	b	56	62	-	-	7.2	0.5
Penzance	bcb	bcb	55	66	-	-	*	*
Paignton	ocbcq	bcbq	56	74	-	-	9.8	0.1
Torquay	b	b	53	72	-	-	9.8	0.2
Weymouth	bcb	b	55	75	1	-	9.0	1.8
Bournemouth ...	bc	b	54	74	1	-	9.5	1.9
Portsmouth (S'thsea)	bc	bcc	55	73	-	-	7.5	3.2
Worthing	bc	bc	54	74	0.3	-	6.4	3.2
Brighton	bcc	bcdbc	54	75	-	-	7.1	2.0
Eastbourne... ...	bc	ocbc	54	73	-	-	5.3	2.9
Hastings	cbcco	cocbc	53	72	1	-	4.3	3.2
Folkestone	bc	bc	46	68	-	—	4.1	1.4
Tunbridge Wells ...	oc	co	52	74	0.3	-	4.6	1.5
Ramsgate	cb	cb	53	69	-	-	5.0	0.2
Margate	oc	cbc	53	66	-	-	3.5	0.2
Deal	o	cbcb	54	71	-	-	4.7	0.3

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* 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.2249.4 Sunday, 24th June 1923. Page 1.

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	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1008.6	+1	WNW	6	bc/	54	75	7	4000	Cu	2	A St	6	•
Stornoway	1016.4	+1	W	5	o/r	58	85	6	800	St	10	-	10	•
Wick	1015.1	+2	WNW	4	o	59	85	8	4100	Cu	8	Ci	10	•
Castlebay	1021.0	0	WSW	5	mmo	53	97	5	1500	St	10	-	10	•
Nairn	•	•	•	•	•	•	•							•
Aberdeen	1015.9	+2	WNW	5	c	69	55	8	4000	StCu	7	A Cu	8	0
Malin Head	1024.7	0	WSW	6	mmo	64	97	5	<150	St	10	-	10	•
Renfrew	1022.8	0	W	4	o	63	75	8	4000	StCu	3	Ci	9	0
Edinburgh (Inchkeith)	1017.1	-1	W	6	c.	61	65	7	-	.	0	Ci	7	•
Leuchars	1017.7	0	W	6	c	70	55	8	7200	StCu	2	Ci	7	0
Eskdalemuir	1022.4	0	W	5	bc	66	65	8	4000	Cu	4	C.St	6	0
Tynemouth	1021.7	0	W	3	b	70	65	7	4000	Cu	3	.	3	•
Blacksod Point	1028.9	+3	W	4	ffo	56	92	3	-	StCu	10	.	10	•
Donaghadee	1024.8	0	W	3	b.	70	65	8	2500	Cu	3	-	3	•
Birr Castle	1029.0	+	W	2	c	65	75	7	4000	StCu	8	.	8	•
Holyhead	1027.8	+1	SW/S	2	bc.	62	85	7	4000	StCu	2	A Cu	6	0
Liverpool (Bidston)	1026.1	0	W	5	bc.	60	75	7	4000	StCu	6	-	6	•
Chester (Shotwick)	1026.4	0	WNW	6	c.	66	65	8	1500	Cu	7	.	7	0
Spurn Head	1024.0	+2	WNW	4	bc	63	70	7	-	-	0	A Cu	5	•
Birmingham (Edgbaston)	1026.0	0	NW	4	c	69	65	8	5700	Cu	7	-	7	0
Nottingham	1025.3	+1	WNW	3	b	68	75	8	4000	Cu	1	-	1	•
Cranwell	1024.5	+1	W/N	4	b	70	75	6	-	-	0	-	0	0
Gorleston	1022.9	0	NNW	3	o+	73	55	6	4000	StCu	9	-	9	•
Valencia (Cahirciveen)	1031.0	0	WNW	3	o	59	85	6	450	St	10	-	10	0
Roches Point	1029.3	0	WNW	1	o	64	75	8	4000	StCu	10	-	10	•
Pembroke (St. Ann's H.)	1029.6	0	NW	1	b	56	85	8	4000	Cu	3	-	3	•
Ross-on-Wye	1026.1	0	W/N	3	bc	72	55	9	4000	Cu	3	Ci Cu	5	
Benson	1025.5	-1	WNW	2	bc	74	55	9	*	StCu	4	A Cu	5	0
Andover	1025.9	0	NW	3	c+	71	65	8	4000	Cu	4	A Cu	7	0
S. Farnborough	1025.9	-1	W	4	bc	76	55	8	4000	Cu	3	A Cu	4	0
London (Kew Obsy.)	1025.5	0	W	3	b	71	55	8	2500	Cu	1	-	1	0
Croydon	1025.2	-1	WNW	3	b	72	55	8	4000	Cu	3	-	3	0
Clacton-on-Sea	•	•	•		•	•	•	•		•	•	•	•	•
Shoeburyness	1023.0	0	SW	3	bc+	75	75	8	7200	Cu	5	-	5	
Grain	1024.4	-1	W	3	b	74	55	6	4000	Cu	1	-	1	0
Lympne	1025.5	0	SW	3	c	68	75	7	4000	Cu	8	-	8	0
Scilly (St. Mary's)	1030.1	0	NW/N	1	b	60	85	7	4000	Cu	1	-	1	•
Falmouth (Pendennis)	1029.3	-1	N	3	b	63	65	8	5700	Cu	3	-	3	•
Plymouth (Cattewater)	1028.3	-1	S	2	bc	66	65	8	5700	StCu	6	-	6	0
Portland Bill	1027.3	0	W	3	b.	61	85	7	-	-	0	Ci Cu	3	•
Southampton (Calshot)	1026.3	-1	NNW	3	bc	71	55	8	4000	Cu	2	A Cu	4	0
Dungeness	1025.6	0	SW	3	b	64	75	7	-	-	0	-	0	•
Jersey	1027.9	0	NW	2	b	65	75	8	-	-	0	-	0	•

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	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1010.2	+3	WNW	5	o	50	75	6	4000	St	4	A St	10	4
Stornoway	1016.6	0	W	5	o	55	97	6	800	St	10	[illegible]	10	4
Wick	1014.1	+2	WNW	4	oT	55	97	8	2500	Nb	8	C.St	10	3
Castlebay	1021.3	0	WSW	5	mo-	53	97	6	2500	St	10	-	10	3
Nairn	1017.1	+	W	5	c	61	75	8	4000	Cu	7	.	7	•
Aberdeen	1017.0	+2	NW	5	bc+	69	65	8	2500	StCu	4	A Cu	6	3
Malin Head	1024.3	0	WSW	5	mmo	53	97	3	<150	St	10	-	10	4
Renfrew	1023.3	0	W	4	o-	67	85	8	800	St	9	-	9	*
Edinburgh (Inchkeith)	1020.3	+2	W	5	b	58	75	8	*	StCu	3	-	3	4
Leuchars	1018.4	0	W	6	b	67	65	8	5700	StCu	3	-	3	*
Eskdalemuir	1023.1	0	W/S	4	o+	54	75	7	1500	StCu	9	-	9	•
Tynemouth	1021.6	+1	W	3	bc	71	55	7	4000	Cu	2	Ci Cu	4	2
Blacksod Point	1028.7	0	WNW	4	off	57	97	6	*	StCu	10	.	10	4
Donaghadee	1024.7	0	N/E	2	bc+	58	85	8	1500	Cu	5	-	5	2
Birr Castle	1028.3	*	WNW	2	o+	64	75	7	2500	StCu	9	.	9	•
Holyhead	1026.9	0	SW	4	bc	60	85	9	4000	StCu	6	.	6	1
Liverpool (Bidston)	1025.5	-1	W	4	b	61	75	9	4000	Cu	1	Ci Cu	2	5
Chester (Shotwick)	1025.9	0	WNW	5	o+	66	65	8	2500	StCu	9	-	9	•
Spurn Head	1023.0	-1	NW/W	5	bc	65	75	7	-	-	0	A Cu	6	3
Birmingham (Edgbaston)	1025.7	0	NNW	4	c	66	65	8	4000	StCu	8	-	8	•
Nottingham	1024.8	0	WNW	3	b	67	65	8	4000	Cu	1	Ci	2	•
Cranwell	1024.4	0	W/S	3	bc+	65	75	8	-	-	0	A Cu	5	•
Gorleston	1022.9	0	SW/S	2	o	61	85	6	4000	StCu	9	-	9	0
Valencia (Cahirciveen)	1031.3	0	NW/N	3	o	58	85	8	1500	StCu	9	-	9	3
Roches Point	1029.2	0	NW	4	c+	63	92	8	4000	StCu	8	-	8	0
Pembroke (St. Ann's H.)	1028.3	-1	NW	2	bc	59	75	8	4000	Cu	3	Ci	5	3
Ross-on-Wye	1025.6	-1	NNW	3	b	69	55	9	5700	Cu	1	Ci Cu	3	•
Benson	1023.9	-1	NW	1	bc	73	65	9	+	Cu	6	-	6	•
Andover	1025.0	-1	NW	3	bc-	71	65	9	5700	Cu	3	A Cu	5	•
S. Farnborough	1024.8	-1	W/N	3	b	74	55	8	7200	Cu	1	Ci Cu	3	•
London (Kew Obsy.)	1024.7	0	NW	2	b	74	55	8	2500	Cu	2	Ci Cu	3	•
Croydon	1024.2	-1	NNW	2	c+	73	55	8	4000	Cu	3	A Cu	8	•
Clacton-on-Sea	1023.3	0	WNW	4	bc	75	55	6	4000	Cu	5	-	5	0
Shoeburyness	1023.8	-1	W	1	b	74	53	7	-	-	0	A St	3	•
Grain	1024.0	0	NW	4	b+	71	65	6	.	-	0	A Cu	2	0
Lympne	1024.3	0	WSW	4	bc	68	75	7	4000	StCu	3	A Cu	4	•
Scilly (St. Mary's)	1029.3	-1	NW/W	2	b	60	85	7	-	-	0	-	0	2
Falmouth (Pendennis)	1028.0	-1	NNW	3	b	63	65	8	5700	Cu	2	-	2	0
Plymouth (Cattewater)	1027.6	-1	N	3	b.	63	75	9	.	-	0	Ci Cu	1	0
Portland Bill	1026.4	-4	NW/N	3	b-	60	92	7	.	-	0	Ci Cu	3	1
Southampton (Calshot)	1024.0	-2	NW/N	3	bc/	72	55	8	4000	Cu	1	A Cu	6	0
Dungeness	1024.0	-1	SW	4	b	62	75	7	-	-	0	Ci	3	4
Jersey	1027.9	0	NW	2	b	63	75	8	.	-	0	-	0	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. %	Humidity 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 24th								Yesterday	Yesterday	To-day
Kew (24 hours ended 0700)	bby	bcybc	bybcc	•	•	55	-	-	14.4	•	•
Croydon (24 hours ended 0700)	bbcy	bcy	bybcco	•	•	50	-	-	13.6	•	•
Greenwich (Royal Obsy.)	bc	bcc	bccobc	79	60	52	-	-	13.9	74	55
City (Bunhill Row)	•	•	•	•	•	•	•	•	13.5	•	•
Westminster (St. James' Pk.)	•	•	•						14.4		
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•		•	•
Camden Square			•						•	•	
Kensington Palace	bbc	bc	•	77	60	54	•	-	•	78 (18h)	57
Hampstead Observatory	•	•	•						14.1	•	

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1600 G.M.T. 23rd

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 4 sec.	Siren.	Direc.
13h.	C	5	-	95
18h.	C_1 C_2	6	-	140
01h.	C	5	-	115
07h.	C, C	6	-	5

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 24th & 25th June, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.32 / 3.32	11.55 / 11.55	8.18 / 8.18
Greenwich	3.45 / 3.45	12.2 / 12.2	8.19 / 8.19
Wick	3.8 / 3.8	12.14 / 12.14	9.20 / 9.20
Valencia	4.23 / 4.23	12.43 / 12.43	12.43 / 12.43

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.
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.

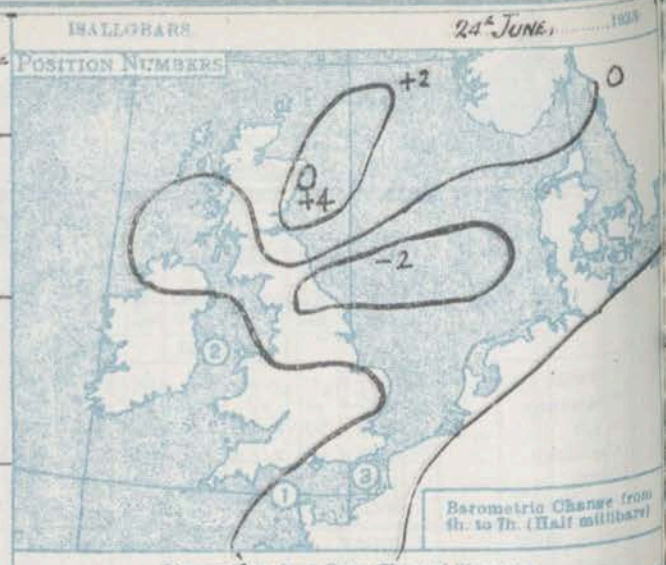
Sea Disturbance.
0=no swell, 1=mod. swell, 2=heavy swell: Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell: Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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. 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	bcq	oq	cq	oq	55	45	•	0.1	5	<0800	0330	2.9
Stornoway	p	oo	T.d	p	59	45	•	0.4	6	-	-	0.8
Wick	oo	acrq	orrad	oddo	60	46	•	1	5	16.30	<2100	•
Castlebay	qf	odorf	odof	ofdf	54	52	•	0.2	0.2	-	-	0.0
Nairn	cbcq	bcqc	cgdo	dd	64	49	•	-	1	-	0130	4.4
Aberdeen	c	bbc	co	ooic	43	48	48	-	0.4	-	0320	4.8
Malin Head	coffo	ffoe	ecod	coze	55	54	•	Trace	0.2	11-00	2400	0.2
Renfrew	oq	oq	qd	od	65	53	52	-	Trace	-	<2100	0.2
Edinburgh (Inchkeith)	c	cbc	bcco	oo	62	53	52	-	-	-	-	12.3
Leuchars	abccqy	qbcyb	qbbco	oov	42	55	50	•	-	-	-	14.2
Eskdalemuir	ocbcc	bcjco	co		64	51	49	-	-	-	-	8.4
Tynemouth	bbc	bbc	bbc	c	44	53	43	-	-	-	-	•
Blacksod Point ...	F	fm	fm		58	50	•	-	-	-	-	•
Donaghadee	bc	be	bc	c	42	54	•	-	-	-	-	•
Birr Castle	co	co	co		69	55	54	-	-	-	-	4.3
Holyhead	cocbc	bbcr	cobec	coo	66	53	53	-	-	-	-	8.2
Liverpool (Bidston) ...	ocq	bc	bco		64	54	50	-	-	-	-	4.3
Chester (Shotwick) ...	bo	cbccq	ocbec	oo	64	52	42	-	-	-	-	4.2
Spurn Head	c	bbc	bbc	bbc	64	55	•	-	-	-	-	12.3
Birmingham (Edgbaston)	c	c	bp	bcc	40	54	44	-	-	-	-	3.4
Nottingham	bbc	bbc	p	c	40	52	48	-	-	-	-	11.8
Cranwell	qbc	bmbc	bm	bbc	41	51	48	-	-	-	-	11.8
Gorleston	bcc	c	bcb	bbc	45	54	48	-	-	-	-	5.6
Valencia (Cahirciveen)	d	cq	o	o	60	55	54	-	-	-	-	0.0
Roches Point	oco	acbcc	cb	bo	65	54		-	-	-	-	•
Pembroke (St. Ann's H.)	bbc	bbc	c	c	61	54	•	-	-	-	-	12.3
Ross-on-Wye	bcr	bcvy	bvcrbc	cocr	44	52	45	-	-	-	-	13.0
Benson	bbc	bc	bcco	co	45	54	46	-	-	-	-	•
Andover	bbcc	cbcy	bcbbc	bcc	44	56	53	-	-	-	-	13.3
S. Farnborough ...	bbcy	byc	bbc	co	49	61	53	-	-	-	-	13.4
London (Kew Obsy.) ...	bbq	bcybc	byc	cbcc	45	60	53	-	-	-	-	14.4
Croydon	bbcy	bcy	cybcc	co	46	54	50	-	-	-	-	13.6
Clacton-on-Sea ...	bcyz	bcyz	bc	bc	48	54	50	-	-	-	-	14.4
Shoeburyness	bbc	bcby	by	bw	48	54	50	-	Trace	-	-	14.3
Grain	bmz	byz	bycbc	bccb	46	52	45	-	-	-	-	13.3
Lympne	bccm	cbc	bcco	oo	41	55	46	-	-	-	-	12.3
Scilly (St. Mary's) ...	obc	b	b	bw	63	53	•	-	-	-	-	10.4
Falmouth (Pendennis)	obc	bc	bcb	b	66	54	•	-	-	-	-	12.2
Plymouth (Cattewater)	cbcc	bcb	b	bw	69	53	44	-	-	-	-	12.3
Portland Bill	bbc	bbc	bbc	bbc	41	58	•	-	-	-	-	•
Southampton (Calshot)	bbc	bbc	bbc	co	43	53	53	-	-	-	-	12.8
Dungeness	c	bbc	c	c	40	64	•	-	-	-	-	•
Jersey	b	b	b	b	68	51	•	-	-	-	-	14.3



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	23rd 1000	Lombardia	WNW	4	bc	59	52	5
1	" 1100	Ibex	WNW	3	bc	54	55	4
3	24th 0100	ARUNDEL	-	0	b	55	56	6

GENERAL INFERENCE.

Under the influence of the anticyclone off our S.W. coasts fair warm weather with W. to N.W. breezes is likely to be maintained over England except perhaps in the extreme N.E. Cloudy conditions with occasional drizzle are probable in Scotland.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 24th June, 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	Moderate W to N.W. winds. Fair; Good visibility; Warm.	Fair and warm over southern England and Ireland and Wales.
~~10. N.E. England~~ 11. E. Scotland 12. S.W. Scotland	Moderate to fresh N.W. winds. Cloudy, Occasional drizzle; Moderate visibility; Rather warm.	
~~13. Isle of Man~~	As 1 - 9.	
~~14. N. & N.W. Scotland~~ 15. Hebrides 16. Orkneys and Shetlands	Moderate to fresh N.W. winds, Cloudy; occasional mist and drizzle; moderate temperature.	
~~17. N.W. Ireland~~ 18. N.E. Ireland ~~19. S.E. Ireland~~	Moderate to fresh N.W. winds, cloudy, mist locally on coasts; rather warm.	
20. S.W. Ireland	As 1 - 9.	

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

UNE, ... 1923

0

tric Change from
. (Half millibars)

ra.

Temp.		Pressure
Air.	Sea.	
59	52	8
57	55	1/2
55	56	

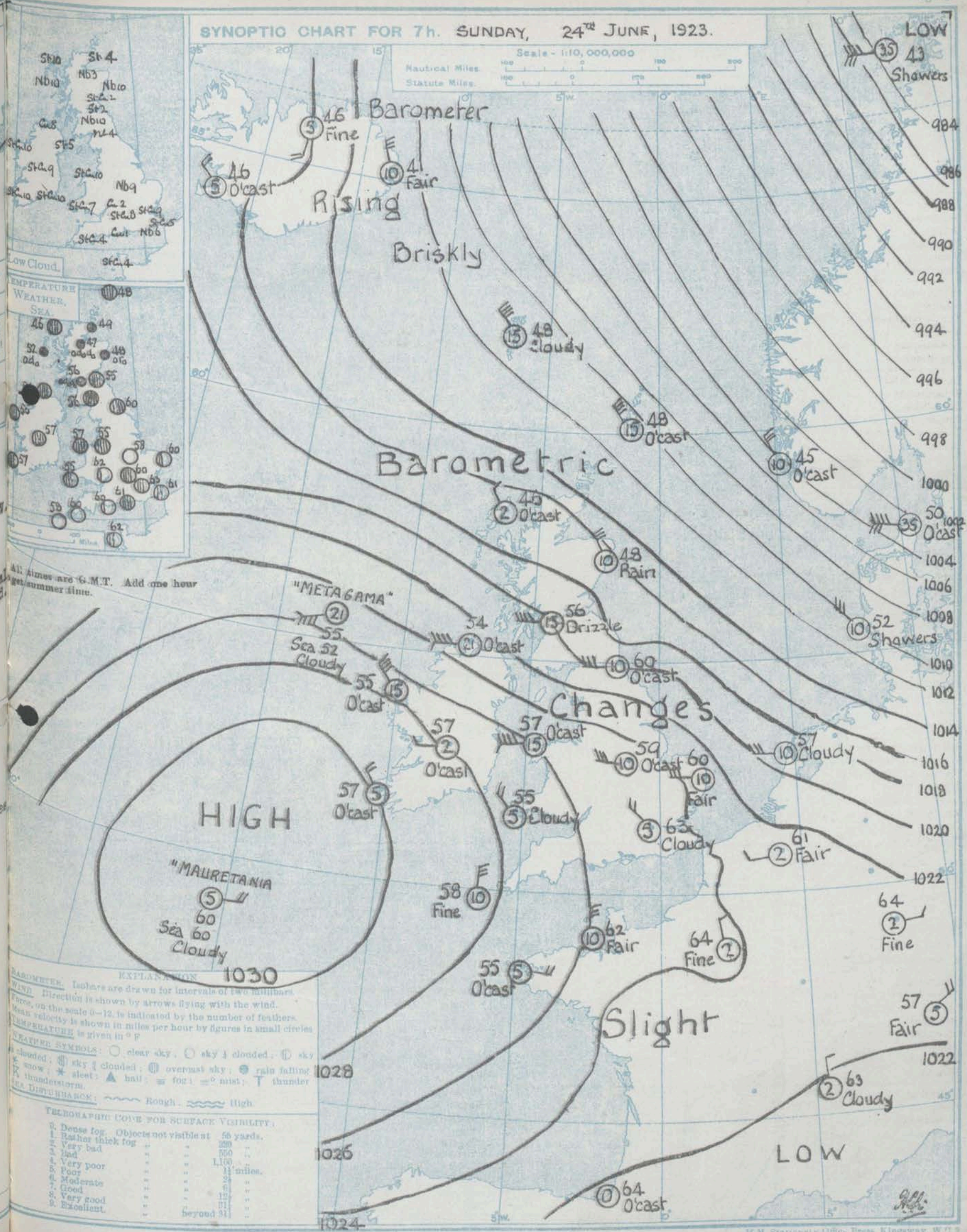
n of the
coasts
W. to N.W.

except
N.E.
occasional
Scotland.

Outlook.

d warm
uthern
and
and Wales

S., Director.



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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Sunday, 24th June 1923. No. 145

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	Cloud. Sea. 0-9
Lerwick	1011·0	+1	W	4	0	43	45	4	-	-	0	A St	10	•
Stornoway	1014·6	0	W	5	DD	•	•	4	•	•	•	•	•	•
Wick	1014·4	0	NW	2	odd	48	94	6	450	St	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1024·0	-1	WSW	5	c/r	53	94	4	4000	Cu	6	Ci Cu	8	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1019·0	-1	WSW	5	0f	53	85	8	+	St Cu	10	-	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1021·4	-1	W	1	bc+	54	85	4	4000	Cu	4	-	4	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1022·6	0	WNW	4	c	56	92	8	4000	St Cu	8	-	8	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...														
Spurn Head	1022·8	-2	W	4	b	58	85	4	-	-	0	-	0	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1024·6	0	W'S	3	b	54	92	6	-	-	0	-	0	•
Gorleston	1025·0	0	W	2	b	56	55	4	-	-	0	A St	2	•
Valencia (Cahirciveen)	1031·4	-2	W	1	0	56	92	8	+	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1028·0	0	NW	3	c	54	85	8	4000	St Cu	8	-	8	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	64	•	•	•	•	•	•	•	•
Croydon	1023·3	0	NW	1	c	62	45	5	4000	St Cu	4	A Cu	8	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1024·3	-1	N	3	0	59	92	4	4000	St Cu	5	A Cu	10	•
Scilly (St. Mary's) ...	1028·4	-1	N'W	3	b	53	94	5	-	-	0	-	0	•
Falmouth (Pendennis)	1028·1	0	N	3	b	55	92	8	-	-	0	-	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1026·5	-2	N	3	b	58	85	4	-	-	0	-	0	•
Southampton (Ca. shot)	1025·2	0	NW'N	3	bc	54	92	8	-	-	0	Ci St	4	•
Dungeness	1025·1	0	NW	2	c	58	92	8	-	-	0	A Cu	4	•
Jersey 7h }														•
Guernsey 1h }														•

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	Cloud. Sea. 0-9
Lerwick	1011·2	+1	NW	4	0	48	85	6	-	-	0	A St	10	3
Stornoway	1014·4	+1	NW	1	c/r	46	92	6	450	St	10	-	10	1
Wick	1015·2	+1	NW	1	0	49	94	5	800	St	4	A St	10	0
Castlebay	1020·0	0	W	4	od	52	94	5	1500	Nb	10	-	10	4
Nairn	1014·5	•	NNE	1	odd	44	92	8	1500	Nb	9	-	9	•
Aberdeen	1014·5	+4	NW	3	0f	48	94	6	1500	Nb	10	-	10	0
Malin Head	1023·2	-1	W	5	0	54	92	4	4000	Cu	8	A Cu	10	4
Renfrew	1020·5	-1	W	4	od	56	85	8	800	Nb	10	-	10	•
Edinburgh (Inchkeith)	1019·2	+1	WSW	5	0	53	85	8	+	St	2	Ci St	9	3
Leuchars	1016·8	+2	W	4	0	58	45	9	4000	St Cu	2	A St	10	•
Eskdalemuir	1020·9	0	W	3	ojp	56	85	6	800	St Cu	10	-	10	•
Tynemouth	1018·6	-2	W	3	c	60	45	4	-	-	0	A Cu	8	1
Blacksod Point ...	1024·9	-1	NW	4	0	55	85	4	+	St Cu	10	-	10	4
Donaghadee	1025·6	0	W	3	c+	58	85	8	1500	St	5	A Cu	8	3
Birr Castle	1024·9	•	W	1	0	54	85	6	2500	St Cu	9	-	9	•
Holyhead	1026·0	0	W'S	5	0	54	92	8	4000	St Cu	10	-	10	3
Liverpool (Bidston) ...	1024·2	-1	W	4	0+	55	85	9	2500	St Cu	10	-	10	5
Chester (Shotwick) ...	1024·5	0	W	4	0	60	45	8	2500	St Cu	10	-	10	•
Spurn Head	1022·1	0	W	5	b+	58	85	4	-	-	0	A Cu	2	3
Birmingham (Edgbaston)	1025·2	0	WNW	3	c	58	85	4	4000	St Cu	8	-	8	•
Nottingham	1025·8	0	WNW	3	0+	59	85	4	2500	Nb	9	Ci St	10	•
Cranwell	1024·0	0	W'S	4	b+	58	85	4	4000	St Cu	1	-	1	•
Gorleston	1022·1	0	WNW	3	bc	60	45	6	-	-	0	A Cu	5	0
Valencia (Cahirciveen)	1030·2	0	NW'N	3	0	54	85	8	4000	St Cu	10	-	10	0
Roches Point	1029·4	0	NW	2	0	58	92	8	4000	St Cu	10	-	10	0
Pembroke (St. Ann's H.)	1027·5	0	NW	2	c	55	92	4	4000	St Cu	4	-	4	0
Ross-on-Wye	1025·6	0	WNW	2	b	62	65	9	4000	St Cu	3	-	3	•
Benson...	1026·2	0	NW	2	0+	60	45	8	+	Cu	9	-	9	•
Andover	1025·3	0	NNW	3	c+	61	45	8	5400	St Cu	8	-	8	•
S. Farnborough ...	1025·1	0	WNW	3	0	62	65	8	4000	St Cu	10	-	10	•
London (Kew Obsy.) ...	1025·0	0	NW	2	c	65	65	8	-	-	0	A Cu	4	•
Croydon	1024·4	-1	NW'N	2	0	62	45	8	5400	St Cu	9	-	9	•
Clacton-on-Sea ...	1025·6	-1	WNW	3	b	61	85	4	-	-	0	Ci	3	0
Shoeburyness	1024·2	0	NW	3	b	65	65	8	-	-	0	-	0	•
Grain	1024·0	-1	NW'N	4	b	64	45	8	-	-	0	Ci	2	0
Lympne	1024·2	0	NW'N	2	0	61	85	4	5400	St Cu	5	A Cu	9	•
Scilly (St. Mary's) ...	1029·1	+1	N'E	3	b	58	92	4	-	-	0	-	0	3
Falmouth (Pendennis)	1029·1	0	N'E	4	b	60	85	8	-	-	0	-	0	0
Plymouth (Cattewater)	1026·5	0	NNW	4	b	60	85	8	5400	St Cu	1	-	1	0
Portland Bill	1026·1	-1	N'W	2	b+	60	85	4	4200	Cu	1	Ci Cu	3	0
Southampton (Ca. shot)	1025·4	0	NNW	2	0	61	85	8	5400	St Cu	10	-	10	0
Dungeness	1024·3	-1	N	2	bc	61	85	4	4000	Nb	6	-	6	2
Jersey 7h }	1024·3	-1	N	2	bc	61	85	4	4000	St Cu	4	-	4	0
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 23rd JUNE 1923

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 22nd-23rd °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	b	by	56	42	-	-	4·6	1·4
Berwick-on-Tweed	bcbb	b	56	41	-	-	9·2	2·4
Llandudno	bc	cbc	56	66	-	-	4·9	3·4
Colwyn Bay ...	bc	bc	55	68	-	-	5·4	4·4
Rhyl	bc	bc	55	69	-	-	6·5	3·6
Southport	ocbc	bcbbc	54	64	-	-	5·1	2·8
Blackpool	o	bcd	54	63	-	-	5·8	3·6
Ilkley	ocbbc	b	54	40	-	-	4·6	4·3
Harrogate	bbc	bc	54	69	0·3	-	4·9	9·3
Skegness	b	b	57	79	-	-	10·5	7·4
Aberystwyth ...	ocb	b	55	61	-	-	5·5	1·2
Bath	bbc	bcb	52	44	-	-	9·4	8·2
Leamington Spa ...	cbb	bc	50	42	-	-	6·0	5·3
Lowestoft	bbc	bco	55	41	-	-	5·8	3·4
Felixstowe	b	bcb	53	44	-	-	10·1	4·9
Southend	b	b	50	49	-	-	11·5	4·4

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 22nd-23rd °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.
Ilfracombe	b	bbc	54	60	-	-	10·3	10·4
Bude	b	b	55	64	-	-	11·2	9·8
Penzance	bcb	b	51	64	-	-	*	*
Paignton	bcq	bcqy	53	45	-	-	13·3	12·0
Torquay	b	b	55	45	-	-	12·1	12·8
Weymouth	b	b	52	43	-	-	12·0	11·8
Bournemouth ...	b	b	52	46	-	-	11·4	11·5
Portsmouth (S'thsea)	b	b	53	45	-	-	10·9	9·9
Worthing	b	bbc	52	69	-	-	12·5	4·4
Brighton	b	b	54	49	-	-	12·3	8·1
Eastbourne	b	bb	54	40	-	-	12·4	6·0
Hastings	bbcc	bcb	52	68	-	-	10·1	4·5
Folkestone	bc	b	52	41	-	-	11·0	6·6
Tunbridge Wells ...	b	b	44	44	-	-	12·1	5·2
Ramsgate	b	bpi	51	64	-	-	12·0	4·2
Margate	b	b	53	44	-	-	11·3	5·1
Deal	bc	bb	53	44	-	-	11·2	6·2

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* 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 22495 MONDAY, 25TH JUNE 1923.

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
	Observations at 1300 G.M.T. 24th														Observations at 1800 G.M.T. 24th													
Lerwick	1012.5	+1	NW	4	c-	51	75	6	5700	Cu	8	-	8	•	1014.9	+3	N	4	c	47	65	6	5700	StCu	2	ASt	8	3
Stornoway	1019.6	+3	N	1	od	47	92	6	450	St	10	-	10	•	1021.1	+1	NW	1	bc	49	85	7	4000	Cu	5	-	5	1
Wick	1017.2	+3	NW	3	oc	47	92	8	2500	Nb	4	ASt	10	•	1017.7	+1	NW	3	c1	50	95	8	4000	Nb	4	CiSt	7	3
Castlebay	1020.1	0	W	5	mmo	53	97	5	1500	St	10	-	10	•	1021.7	+1	NW	3	o/r	52	85	8	1500	St	10	-	10	3
Nairn	•	•	•	•	•	•	•							•	1020.2	•	-	0	bc/r	49	85	8	4000	CuNb	5	-	5	•
Aberdeen	1018.6	+1	NW	3	od	47	92	6	1500	Nb	10	-	10	1	1019.8	+1	NW	2	o-	47	85	8	1500	StCu	9	-	9	0
Malin Head	1023.3	0	W	5	o	56	92	7	4000	Cu	2	ACu	9	•	1023.2	0	W	5	mo	55	97	5	1500	St	10	-	10	4
Renfrew	1020.2	0	W	4	o	57	86	8	800	St	10	-	10	0	1020.1	0	WNW	4	o-	57	85	8	800	StCu	10	-	10	•
Edinburgh (Inchkeith)	1017.0	-1	WSW	5	o+	57	85	8	•	-	0	CiSt	10	•	1019.7	+5	SE	1	oro+	46	97	7	•	Nb	10	-	10	1
Leuchars	1017.9	+2	E	3	o	49	85	8	1500	StCu	10	-	10	0	1019.8	+2	E	2	odd	46	97	3	220	Nb	10	-	10	•
Eskdalemuir	1020.5	+1	W	5	o	59	75	7	1500	StCu	10	-	10	0	1020.1	0	W	4	o	55	85	7	1500	StCu	10	-	10	•
Tynemouth	1018.4	0	W	3	o	68	65	7	4000	Cu	9	-	9	•	1017.9	0	W	3	o	61	75	7	4000	Cu	9	-	9	1
Blacksod Point	1028.1	+1	NW	4	o	57	85	7	•	StCu	10	-	10	•	1027.3	-1	NNW	4	o	57	75	8	-	-	0	ASt	10	4
Donaghadee	1023.4	0	WNW	4	c	64	65	8	1500	Cu	4	CiSt	8	•	1023.8	0	WNW	3	cjp	60	75	8	2500	St	8	-	8	3
Birr Castle	1027.8	•	NW	1	o	61	75	8	4000	StCu	9	-	9	•	1026.8	•	NW	2	d	61	75	4	2500	StCu	9	-	9	•
Holyhead	1025.5	0	W	5	c-	59	85	8	5700	StCu	7	-	7	0	1024.3	-1	N	5	o	58	75	9	4000	StCu	9	-	9	4
Liverpool (Bidston)	1024.1	0	W	5	c-	60	85	9	4000	Cu	5	CiCu	7	•	1022.6	-1	N	5	o+	58	75	9	2500	StCu	10	-	10	5
Chester (Shotwick)	1024.6	0	W'N	5	o-	63	75	8	1500	St	10	-	10	0	1023.2	-1	N	5	o	61	65	8	2500	StCu	10	-	10	•
Spurn Head	1019.8	-2	WNW	6	o+	62	85	8	5700	StCu	4	Ci	9	•	1019.2	-1	NNW	6	o	61	85	7	4000	StCu	6	CiSt	9	3
Birmingham (Edgbaston)	1024.2	-1	NW	5	o	63	65	8	4000	StCu	9	-	9	0	1022.8	-1	NW	5	o-	62	65	7	4000	StCu	9	-	9	•
Nottingham	1022.5	-1	NW	4	c	66	75	8	2500	Cu	7	-	7	•	1021.7	-1	NW	5	o+	64	75	8	1500	Cu	9	-	9	•
Cranwell	1021.8	-2	W'N	4	c	69	65	6	2500	Cu	7	-	7	0	1021.6	0	NNW	4	o	63	75	7	2500	StCu	9	-	9	•
Gorleston	1020.7	-1	NNW	3	c+	69	55	7	4000	Cu	7	-	7	•	1019.6	-1	NNW	2	o+	67	65	6	5700	StCu	10	-	10	
Valencia (Cahirciveen)	1030.2	-1	NW	4	o	61	75	7	2500	StCu	9	-	9	0	1029.5	-1	NNW	3	o	59	75	8	2500	StCu	9	-	9	3
Roches Point	1028.2	0	NW	3	o	62	85	8	4000	StCu	10	-	10	•	1027.2	-1	NW	4	o	60	85	8	4000	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1027.2	0	NW	3	bc	63	75	8	4000	StCu	6	-	6	•	1025.9	-2	NNW	3	c	57	85	8	4000	StCu	7	-	7	3
Ross-on-Wye	1024.3	-2	NW	3	o	67	55	9	4000	StCu	10	-	10	0	1023.2	-1	NNW	2	o	65	55	9	4000	StCu	9	-	9	•
Benson	1022.7	-3	NNW	2	c	66	65	8	•	Cu	7	-	7	0	1021.2	-1	NNW	4	o	65	75	8	•	St	10	-	10	•
Andover	1023.4	-1	NW	3	o+	67	55	9	5700	StCu	10	-	10	0	1022.3	-2	NNW	3	o	66	65	9	4000	StCu	10	-	10	•
S. Farnborough	1023.8	-1	W'N	3	o	68	55	8	2500	StCu	10	-	10	0	1022.3	-1	NNW	3	o	65	65	8	2500	StCu	10	-	10	•
London (Kew Obsy.)	1023.6	-2	NNW	2	o	67	55	8	2500	StCu	8	ACu	9	0	1022.1	-1	NW	2	o	67	65	8	4000	StCu	8	ASt	10	•
Croydon	1023.2	-2	NNW	3	o	67	55	8	4000	StCu	9	-	9	0	1022.0	-1	NNW	3	o	66	65	8	4000	StCu	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1023.6	-2	NW	4	c	69	65	6	1500	StCu	8	-	8	0
Shoeburyness	1022.6	-2	NW	3	o+	69	55	8	4000	StCu	10	-	10	0	1020.5	-2	NNW	3	o	68	65	7	4000	StCu	10	-	10	•
Grain	1022.5	-2	NW	4	bc+	69	55	8	5700	StCu	5	-	5	0	1021.2	-2	NNW	3	o+	67	65	8	2500	StCu	10	-	10	•
Lympne	1022.5	-2	NW	3	bc-	70	75	8	4000	StCu	6	-	6	0	1021.5	-1	NNW	3	c	65	65	8	1500	StCu	7	-	7	•
Scilly (St. Mary's)	1027.6	0	NE	3	b	62	75	7	4000	Cu	1	-	1	•	1027.2	0	NW	3	c+	61	75	8	4000	Cu	3	-	3	3
Falmouth (Pendennis)	1026.7	-1	N	3	bc+	66	55	7	5700	Cu	6	-	6	•	1026.4	-1	NE	3	b-	63	65	8	5700	Cu	3	-	3	0
Plymouth (Cattewater)	1025.8	0	N	4	o	66	65	8	4000	StCu	10	-	10	•	1024.9	-1	N	3	o-	63	75	9	2500	StCu	9	-	9	0
Portland Bill	1024.8	-4	N	2	c-	62	85	7	2500	StCu	9	-	8	•	1023.4	-2	N	2	c	61	85	7	2500	StCu	7	-	7	0
Southampton (Calshot)	1024.1	-2	NW	4	o	69	55	8	4000	StCu	10	-	10	0	1027.4	-2	NW	3	c-	67	65	8	4000	StCu	8	-	8	0
Dungeness	1023.0	-1	WSW	2	bc+	68	75	7	5700	Cu	6	-	6	•	1021.9	-1	W	3	c+	68	55	7	-	-	0	ACu	7	2
Jersey	1023.9	0	N	3	b	69	55	8	-	-	0	-	0	•	1023.0	0	N	3	b	66	65	8	-	-	0	AC	2	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. 25th										
Kew (24 hours ended 0700)	bcobcoyoyoo		ooo	•	•	50	-	-	4.9	•	•
Croydon (24 hours ended 0700)	ocoy	ocoy	oo	•	•	56	-	-	3.3	•	•
Greenwich (Royal Obsy.)	co	co	o	73	58	55	-	-	6.8	52	46
City (Bunhill Row)	•	•	•	•	•	•	•	•	6.3	•	•
Westminster (St. James' Pk.)	•	•	•	70	58	55	-	-	6.5	51	41
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	6.2	•	•
Camden Square	bc	co	•	71	57	55	-	-	•	•	44
Kensington Palace	obbc	co	•	70	57	53	-	-	•	66 (18h.)	44
Hampstead Observatory	•	•	•	69	54	49	-	-	6.0	•	48

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 1800 G.M.T.

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

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

POLE STAR RECORD at Greenwich Obsy.

Exposure from 24th 21 h. 45 m. to 25th 02 h. 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	4.30	0.0	Nil
δ Ursae Minoris	4.30	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.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	CC₁	7	-	90
18h.	CC₁	7	-	116
01h.	C	5	-	125
07h.	C	5	-	100

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 25th & 26th June, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.32 3.33	11.55 11.55	8.18 8.18
Greenwich	3.43 3.45	12.2 12.2	8.19 8.19
Wick	3.8 3.8	12.14 12.14	9.20 9.20
Valencia	4.23 4.23	12.43 12.43	9.3 9.3

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.
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.

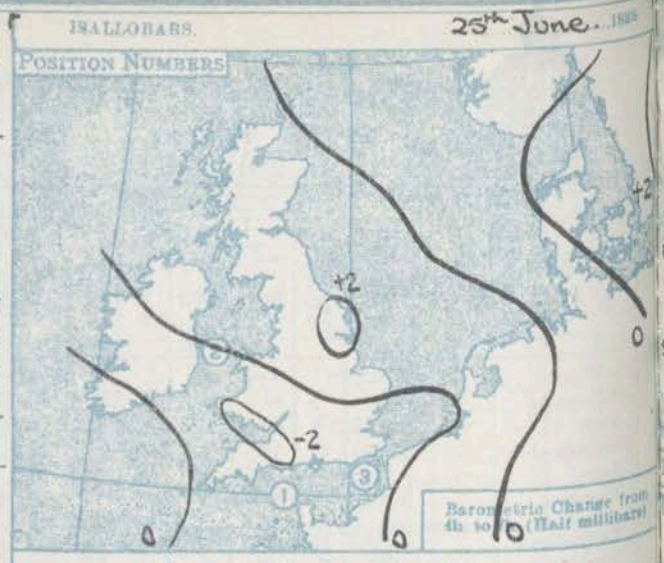
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell — Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell — Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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. 25	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	cq	cq	o	bcq	53	42	.	-	0.3	-	<2100	6.3
Stornoway	p	obc	c	c	50	45	.	1	-	-	-	2.7
Wick	oir	c	bbc	c	51	39	.	0.1	-	<0800	-	.
Castlebay	doff	cfdfo	o	ob	53	48	.	trace	trace	-	-	0.0
Nairn	do	dgc	bcg	bc	50	41	.	5	0.2	<0800	-	2.2
Aberdeen	oir.d	od.rm	ob	bbc	49	43	34	2	-	<0800	-	1.0
Malin Head	coz	coze	nfFo	oid.	54	48	.	trace	1	1730	2400	0.3
Renfrew	od.oo	oo	oo	com	59	48	46	-	-	-	-	0.3
Edinburgh(Inchkeith)	oo	oo	D	do	53	46	44	0.4	4	1630	<2100	1.2
Leuchars	ovo	odrrm	oddmo	oc	63	42	32	5	1	1330	<2100	0.0
Eskdalemuir	oo	ojpo	oodm	oopco	61	42	43	-	0.5	-	2400	0.2
Tynemouth	oo	oo	oddm	odm	60	45	45	-	4	-	<2100	.
Blacksod Point ...	oo	oo	oo	oo	59	50	.	-	-	-	-	.
Donaghadee	bcq	c	c	od	66	50	.	-	0.2	-	0430	.
Birr Castle	co	co	co	pr.	63	54	53	-	0.1	-	0630	0.4
Holyhead	ooc	cov	oo	ID m	61	53	53	-	0.1	-	0530	3.8
Liverpool (Bidston)...	oo	co	oo	oo	62	52	51	-	Trace	-	0630	2.8
Chester (Shotwick) ...	ooq	ocq	oo	oopq	66	54	53	-	Trace	-	0630	0.8
Spurn Head	bbc	c	oo	oodd	61	46	.	-	0.5	-	01.30	11.0
Birmingham (Edgbaston)	co	oc	co	oddm	65	53	52	-	0.2	-	0630	2.0
Nottingham	c	c	oo	oo	67	54	50	-	-	-	[illegible]	4.3
Cranwell	c	co	bcco	ordm	70	49	48	-	1	-	0530	10.8
Gorleston	bc	co	cbccv	oo.	71	52	52	-	Trace	-	06.30	8.0
Valencia (Cahirciveen)	oco	o	o	o	61	55	54	-	-	-	-	0.4
Roches Point	oco	o	co	o	62	55	.	-	-	-	-	.
Pembroke (St. Ann's H.)	c	c	c	c	65	54	.	-	-	-	-	5.5
Ross-on-Wye	cvbcvco	ovy	cvov	oco	67	54	50	-	-	-	-	2.6
Benson...	c	co	oo	oo	69	54	47	-	-	-	-	.
Andover	coy	oycyo	oo	oo.	70	55	53	-	-	-	-	3.5
S. Farnborough ...	ooy	yoo	oo	oo	70	56	54	-	-	-	-	1.2
London (Kew Obsy.)...	cbcobcoy	oyoo	oo	oo	70	54	50	-	-	-	-	4.7
Croydon	ocoy	ocoy	o	o	70	54	56	-	-	-	-	3.3
Clacton-on-Sea ...	bccy	cyc	co	o	71	56	54	-	-	-	-	9.5
Shoeburyness	bc	bcc	o	o	72	54	55	-	0.1	-	-	5.4
Grain	bbc	bcoco	oo	oo	70	54	55	-	-	-	-	10.1
Lympne	ocbc	bcco	co	od.m	71	55	53	-	Trace	-	0630	6.2
Scilly (St. Mary's) ...	b	bcc	bcco	oo	63	54	.	-	-	-	-	12.5
Falmouth (Pendennis)	bc	bc	bcc	c	68	54	.	-	-	-	-	5.0
Plymouth (Cattewater)	co	oo	obc	bco	68	51	.	-	-	-	-	7.3
Portland Bill	bbc	bbc	c	c	64	54	.	-	-	-	-	.
Southampton (Calshot)	oo	c	oo	oo	71	54	54	-	-	-	-	3.1
Dungeness	c	c	oo	oo	72	56	.	-	-	-	-	.
Jersey	b	b	b	bbc	71	56	.	-	-	-	-	12.5



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
3	25th 2h	Dieppe	NW	1	0	58	53	Y.

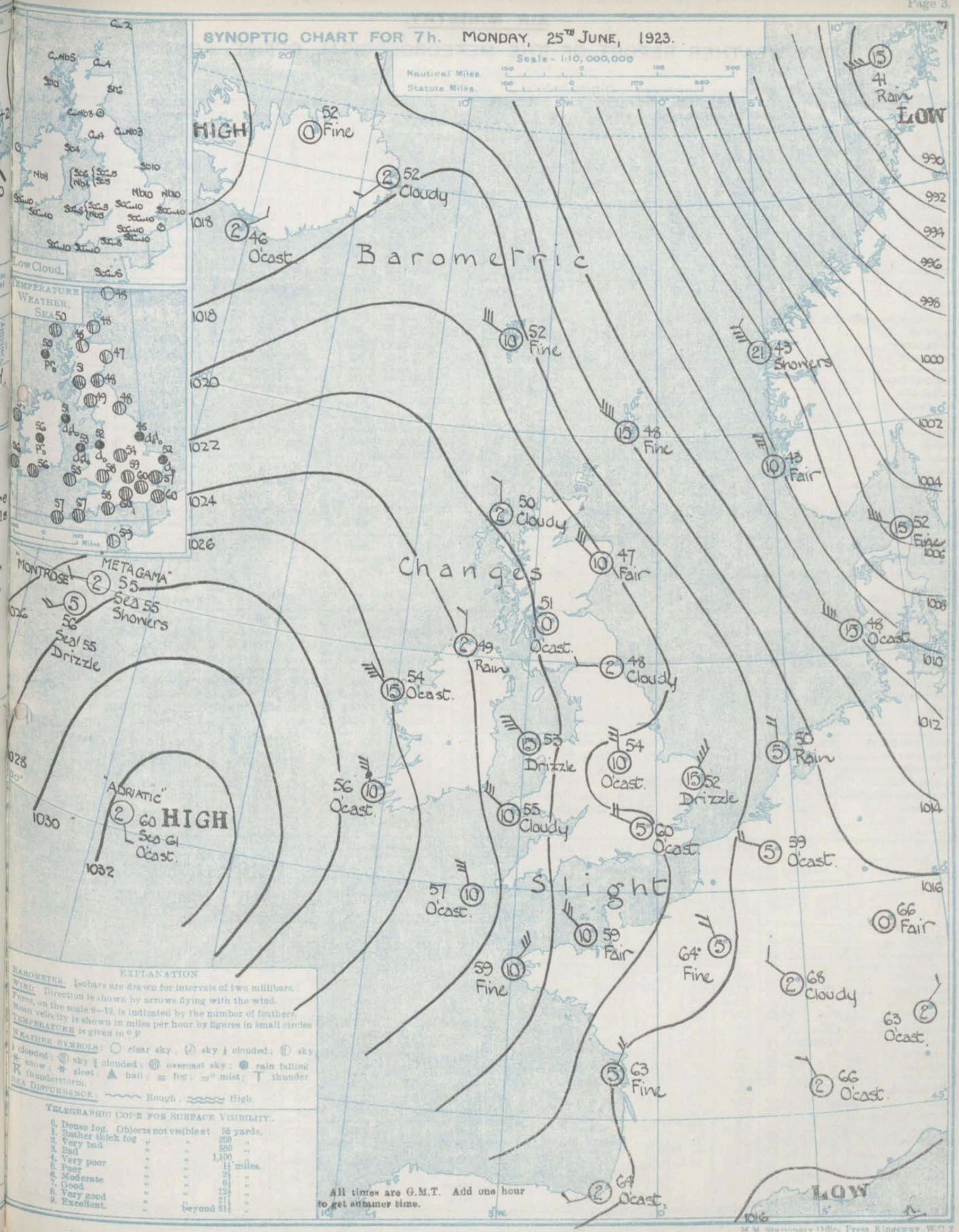
GENERAL INFERENCE.

The distribution of pressure is favourable for NW. to N. winds of moderate strength. Much cloud is probable at times with slight rain in places and rather lower temperatures than of late.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Monday, 25th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind NW. to N., light to moderate; much cloud at times, slight rain in places; visibility moderate to good; rather cooler than of late.	Fair generally. ---------
7. North Wales 8. N.W. England 9. N. Midlands	Wind NW. to N., light to moderate; varying amount of cloud, occasional rain or drizzle; visibility moderate to good; cool.	
10. N.E. England 11. E. Scotland	Wind NW. to N., light to moderate; occasional showers, but bright intervals; visibility moderate to good; cool.	
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 7 - 9.	

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.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION....MONDAY 25TH JUNE.....1923. No. 176

Observations at 0100 G.M.T. 25

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	1016.5	0	NW	4	0	44	75	6	5700	StCu	6	ASt	10	•
Stornoway	1022.5	+2	NW	2	0	•	•	5	•	•	•	•	•	•
Wick	1019.0	0	NW	1	bc	43	92	8	5700	Cu	3	Ci	4	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1023.2	0	NW	4	od	51	97	8	4000	Nb	3	ASt	9	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1021.2	+2	S	1	od	46	97	8	-	CuNb	6	ASt	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1020.7	0	NE	2	odd	46	97	6	800	Nb	10	-	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1023.1	-1	W'N	4	0	55	92	8	4000	StCu	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1019.2	0	NNE	3	0	51	92	8	-	-	0	ASt	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1020.8	-1	W'S	3	0+	54	92	7	4000	StCu	7	ACu	9	•
Gorleston	1019.3	0	WNW	2	0	59	75	8	4000	StCu	9	-	9	•
Valencia (Cahirciveen)	1028.4	-1	NW	1	0	55	97	8	-	-	0	ASt	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1025.0	-1	NW	3	c	56	85	8	4000	StCu	8	-	8	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...		•	•	•	•	62	•	•	•	•	•	•	•	•
Croydon	1021.6	-2	NW'N	2	0	60	75	7	2500	StCu	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness... ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1021.0	0	NNW	3	0	58	92	7	2500	StCu	10	-	10	•
Scilly (St. Mary's) ...	1026.4	-1	N'W	3	0	56	85	8	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1025.1	-1	N	2	0+	55	92	8	5700	StCu	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1022.4	-3	NW	3	b-	57	85	7	-	-	0	ACu	1	•
Southampton (Ca. shot)	1022.2	0	NW	3	0	61	85	8	4000	StCu	10	-	10	•
Dungeness	1021.3	-1	N	2	0	61	97	8	4000	StCu	10	-	10	•
Jersey 7h }														•
Guernsey 1h }														•

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	1015.9	-1	NW	4	b	48	65	8	4000	Cu	2	ACu	3	3
Stornoway	1021.5	0	N	1	c	50	85	8	2500	CuNb	5	ASt	8	1
Wick	1019.0	0	NW	2	bc	48	85	8	5700	Cu	4	CiSt	6	0
Castlebay	1022.7	0	WNW	3	obr	50	97	8	1500	St	10	-	10	3
Nairn	1020.6	•	-	0	bc	48	85	8	4000	Cu	2	ACu	5	•
Aberdeen	1020.4	0	NW	3	bc	47	85	8	1500	St	6	-	6	0
Malin Head	1023.4	0	N	1	obr	49	97	8	4000	Nb	5	ASt	10	3
Renfrew	1021.5	+2	-	0	o	51	85	6	1500	CuNb	8	Ci	10	•
Edinburgh (Inchkeith)	1021.5	0	W	1	c-	48	85	8	-	-	0	CiSt	8	1
Leuchars	1020.6	0	W	2	c	48	75	8	-	-	0	Ci	8	•
Eskdalemuir	1021.5	+1	NNE	2	o	49	75	8	2500	Cu	4	CiSt	9	•
Tynemouth	1021.0	0	W	1	c/r	48	85	6	1500	CuNb	3	Ci	7	0
Blacksod Point ...	1025.8	-1	NW	4	o	54	92	7	-	-			10	4
Donaghadee	1022.5	0	N	3	od	51	85	8	1500	St	4	ASt	10	2
Birr Castle	1025.2	•	NW	1	c/br	56	92	7	2500	Nb	8	-	8	•
Holyhead	1022.8	+1	NW'N	4	od	53	97	6	4150	St	10	-	10	4
Liverpool (Bidston) ...	1021.3	+1	WNW	4	od	52	95	7	1500	StCu	10	-	10	5
Chester (Shotwick) ...	1021.2	0	NW	5	bpr	54	85	7	1500	St	9	ASt	10	•
Spurn Head	1020.3	+2	NNE	3	odd	48	92	6	1500	St	10	-	10	1
Birmingham (Edgbaston)	1021.0	-1	NW	4	odd	53	97	6	800	Nb	10	-	10	•
Nottingham	1019.6	0	N	3	o	54	92	8	2500	Nb	10	-	10	•
Cranwell	1020.1	+2	NE	2	odd	49	97	5	800	Nb	10	-	10	•
Gorleston	1019.2	0	NE'N	4	od+	52	92	5	5700	Nb	10	-	10	0
Valencia (Cahirciveen)	1027.7	0	NNW	3	o	56	85	8	2500	StCu	10	-	10	0
Roches Point	1026.1	0	NW	3	o	56	92	8	2500	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1023.6	-2	NW	3	c	55	85	8	4000	StCu	8	-	8	3
Ross-on-Wye	1021.1	-1	WNW	3	o	56	75	8	2500	StCu	10	-	10	•
Benson...	1019.9	-1	W	3	o	59	75	8	-	StCu	10	-	10	•
Andover	1021.0	-1	NNW	3	o-	58	85	8	4000	StCu	9	-	9	•
S. Farnborough ...	1020.5	0	WNW	3	o	60	65	7	4000	StCu	10	-	10	•
London (Kew Obsy.)...	1020.2	-1	NW'N	2	o	60	65	8	2500	StCu	10	-	10	•
Croydon	1020.1	-1	NW	2	o	58	75	7	2500	StCu	10	-	10	•
Clacton-on-Sea ...	1018.8	-1	NW	3	o	57	85	6	7200	StCu	10	-	10	0
Shoeburyness... ...	1019.4	-2	NNW	4	o	53	75	7	4000	StCu	10	-	10	•
Grain	1019.5	-1	NW	4	o	58	78	7	2300	St	10	-	10	0
Lympne	1019.3	-1	NNW	3	o/r	55	92	6	2500	StCu	10	-	10	•
Scilly (St. Mary's) ...	1024.7	0	N'W	3	o	57	85	8	4000	StCu	10	-	10	3
Falmouth (Pendennis)	1024.6	-1	N	2	o	57	85	8	4000	StCu	10	-	10	0
Plymouth (Cattewater)	1023.1	0	NNW	1	o	57	85	7	7200	StCu	9	-	9	0
Portland Bill	1021.2	-2	NW	4	c	58	75	6	2500	StCu	8	-	8	1
Southampton (Ca. shot)	1021.2	-1	NW	4	o	59	75	8	4000	StCu	10	-	10	0
Dungeness	1019.7	-1	NW	2	o	60	97	7	-	-	0	ASt	10	2
Jersey 7h }	1021.3	-1	NW	3	bc	59	75	8	4000	StCu	5	-	5	0
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 24th

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 23-24 °F.	Temperature. Max. Day. 24 °F.	Rainfall.† Night 17h.-9h. 23-24 mm.	Rainfall.† Day 9h.-17h. 24 mm.	Sunshine. Sunrise to 17h. 24 hr.	Sunshine. Sunrise to Sunset. 24 hr.
Montrose	o	omd	49	50	-	4	0.0	10.3
Berwick-on-Tweed	bcbbc	bcogv	55	63	-	-	4.1	11.8
Llandudno	c	cbc	56	65	-	-	2.5	6.9
Colwyn Bay ...	c	c	56	65	-	-	1.3	2.5
Rhyl...	o	o	55	69	-	-	2.1	9.0
Southport	oco	oco	54	62	-	-	0.5	8.1
Blackpool	oc	o	54	61	-	-	0.1	8.0
Ilkley	bcbcc	b	53	65	-	-	5.9	9.5
Harrogate	b	c	53	65	-	-	9.6	9.2
Skegness	b	bcoco	58	?	-	-	8.3	11.9
Aberystwyth ...	ooc	b	56	62	-	-	2.0	8.2
Bath	co	oc	54	69	-	-	4.1	11.8
Leamington Spa ...	?	?	48	67	-	-	1.7	7.8
Lowestoft	bbcbbc	bcco	54	70	-	-	9.0	5.8
Felixstowe	bz	coz	54	71	-	-	8.7	12.4
Southend	b	bcc	56	73	-	-	9.8	12.7

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 23-24 °F.	Temperature. Max. Day. 24 °F.	Rainfall.† Night 17h.-9h. 23-24 mm.	Rainfall.† Day 9h.-17h. 24 mm.	Sunshine. Sunrise to 17h. 24 hr.	Sunshine. Sunrise to Sunset. 24 hr.
Ilfracombe	c	co	57	61	-	-	0.6	13.3
Bude	fcoco	o	46	62	-	-	3.2	13.2
Penzance	bcb	cbbc	55	68	-	-	•	•
Paignton	bcbcco	bcc	57	73	-	-	7.3	14.4
Torquay	b	bc	55	73	-	-	7.1	14.6
Weymouth	bbcbc	cbc	54	75	-	-	3.8	15.0
Bournemouth ...	c	c	52	71	-	-	2.0	13.5
Portsmouth (S'thsea)	bc	bcv	57	71	-	-	3.3	12.1
Worthing	ocbc	bcc	59	70	-	-	3.5	14.0
Brighton	ocbc	bcbc	59	73	-	-	3.0	13.7
Eastbourne	o	bco	60	71	-	-	1.0	14.1
Hastings	oco	ocbco	59	72	-	-	1.6	11.7
Folkestone								
Tunbridge Wells ...	bbcb	bcco	54	71	-	-	5.6	13.3
Ramsgate	b	b	51	71	-	-	10.6	13.6
Margate	b	b	59	68	-	-	10.9	13.3
Deal	cbcb	bbbc	57	74	-	-	10.5	11.9

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·2 mm ‡ For code see page 8. § See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22496 Tuesday, 26th June 1923.

Observations at 1800 G.M.T. 25th (first set of columns); Observations at 1800 G.M.T. 25th (second set of columns)

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	1016.4	+1	NW	4	b	54	65	8	5700	Cu	1	Ci	2	•
Stornoway	1020.2	-1	N	2	o+	51	92	7	800	St.	10	-	10	•
Wick	1019.3	0	NW	1	c+	51	75	8	4000	Cu Nb	6	Ci	8	•
Castlebay	1021.5	0	WNW	2	ojp	51	85	8	800	St.	10	-	10	•
Nairn	•	•	•	•	•	•	•	*	*	*	*	*	*	•
Aberdeen	1020.0	0	NNW	3	c⊕	55	55	8	2500	Cu	5	Ci st	8	0
Malin Head	1022.1	-1	NNW	1	o	51	85	8	2500	Nb	9	-	9	•
Renfrew	1020.7	-5	WNW	1	o	59	55	8	4000	St.Cu	5	A.st	10	0
Edinburgh (Inchkeith)	1020.5	-1	WSW	1	c	54	65	8	*	Cu	4	Ci.st	8	•
Leuchars	1019.6	-2	WNW	1	o	56	55	8	4000	St.Cu	10	-	10	0
Eskdalemuir	1019.7	-2	WSW	3	o	57	55	7	4000	Cu	5	Ci st	10	0
Tynemouth	1020.9	0	NE	2	c+	53	75	7	1500	Cu Nb	7	-	7	•
Blacksod Point	1025.5	0	NW	4	opr0	56	92	7	?	Cu	10	-	10	•
Donaghadee	1022.3	0	NNW	2	o	54	75	8	2500	St.	2	A.st	9	•
Birr Castle	1024.8	*	NW	1	c	61	75	8	4000	Cu	8	-	8	•
Holyhead	1022.9	0	W'N	3	od0	50	92	6	2500	St.	10	-	10	1
Liverpool (Bidston)	1021.2	-1	WNW	4	bc	55	65	8	2500	St.Cu	3	Ci.st	6	•
Chester (Shotwick)	1021.4	-1	WNW	5	o⊕	59	55	8	2500	Cu	2	Ci.st	9	5
Spurn Head	1021.2	0	N'E	3	o	56	65	8	4000	Cu	6	A.st	10	•
Birmingham (Edgbaston)	1020.8	0	NNW	1	o	57	65	7	4000	St.Cu	10	-	10	1
Nottingham	1020.8	0	ENE	1	o/r	51	92	7	2500	Nb	10	-	10	•
Cranwell	1021.5	0	N	1	o	53	85	8	1500	St.Cu	10	-	10	1
Gorleston	1019.6	+1	N'E	3	c	53	75	7	4000	Nb	8	-	8	•
Valencia (Cahirciveen)	1027.8	0	NNW	4	o-	60	85	8	1500	St.Cu	6	A.st	9	0
Roches Point	1025.0	0	NW	3	o	61	85	8	4000	St.Cu	10	-	10	•
Pembroke (St. Ann's H.)	1023.5	0	WNW	2	o	60	85	8	4000	St.Cu	10	-	10	•
Ross-on-Wye	1021.0	-1	NNW	3	o	60	65	8	4000	Cu	8	A.st	10	5
Benson	1020.0	0	NNW	3	or0	59	85	7	–	Cu	3	ASt	10	0
Andover	1020.3	0	NW'N	4	o	62	75	8	2500	St.Cu	8	A.st	10	0
S. Farnborough	1019.9	-1	NNW	3	opr0	62	75	6	2500	St.Cu	10	-	10	0
London (Kew Obsy.)	1020.1	0	N	3	or0	59	75	7	2500	Nb	4	A.st	10	1
Croydon	1019.9	0	N	3	or0r0	57	85	6	1500	Nb	10	-	10	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1020.2	+1	NE	4	od-	54	85	8	800	Nb	8	A.st	10	*
Grain	1019.8	+1	NE	4	orr	54	92	7	800	Nb	10	-	10	1
Lympne	1019.4	0	N	4	od0	55	92	6	800	Nb	10	-	10	1
Scilly (St. Mary's)	1024.8	0	N	4	o	61	75	8	4000	St.Cu	10	-	10	•
Falmouth (Pendennis)	1024.3	0	N	4	bc	63	65	8	4000	Cu	5	-	5	•
Plymouth (Cattewater)	1022.0	-1	N	4	c	64	65	8	4000	St.Cu	6	Ci.st	7	0
Portland Bill	1021.2	-1	NW	2	c	62	75	7	2500	St.	7	-	7	•
Southampton (Calshot)	1020.6	0	N'W	4	o	61	75	8	4000	St.Cu	7	A.st	10	0
Dungeness	1019.6	0	N	3	o/r	57	92	7	4000	?St.	10	-	10	•
Jersey	1020.4	0	NW	3	b	65	65	8	4000	StCu	3	–	3	•

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	1015.3	0	NW	3	b	53	65	8	–	–	0	–	0	2
Stornoway	1018.7	-2	—	0	c-	52	85	8	800	St	7	-	7	0
Wick	1017.9	-2	NW	2	bc	50	85	8	5700	Cu	3	Ci St	4	0
Castlebay	1018.7	-2	SE	4	bcr0	49	97	6	800	Nb	10	—	10	3
Nairn	1018.1	*	NE	2	bc	54	65	8	4000	Cu	6	—	6	•
Aberdeen	1019.1	-1	NW	1	bc	51	75	7	2500	Cu	6	–	6	0
Malin Head	1019.2	-2	W	4	oDD	53	97	5	4000	Nb	10	-	10	1
Renfrew	1018.8	-2	WNW	3	o	55	75	8	4000	St	2	ASt	10	•
Edinburgh (Inchkeith)	1018.4	-2	—	0	o	56	65	8	-	StCu	5	ACu	9	0
Leuchars	1018.2	-1	ESE	3	c	51	85	8	5700	StCu	7	Ci	8	•
Eskdalemuir	1018.4	-2	WNW	3	o	54	65	7	4000	StCu	10	~	10	•
Tynemouth	1019.6	-1	S	2	ojp	51	75	7	1500	Nb	10	-	10	1
Blacksod Point	1024.7	-1	NW	4	o-	56	92	8	-	St	10	-	10	4
Donaghadee	1020.4	-2	NNW	1	od0	51	85	8	-	-	0	ASt	10	2
Birr Castle	1023.4	*	NW	1	o+	57	75	6	4000	Cu	9	–	9	•
Holyhead	1021.2	-2	SW'W	1	odd	49	97	5	450	Nb	10	—	10	0
Liverpool (Bidston)	1019.8	-1	WNW	4	o	52	75	8	2500	StCu	10	~	10	5
Chester (Shotwick)	1020.0	-1	NWW	5	o	54	75	8	2500	StCu	10	–	10	•
Spurn Head	1020.3	-2	NE	3	o	51	75	7	4000	StCu	6	ACu	9	2
Birmingham (Edgbaston)	1019.8	-2	NE	2	c	55	75	6	4000	StCu	4	ACu	8	•
Nottingham	1019.5	-2	WSW	2	o	52	92	4	1500	St	10	-	10	•
Cranwell	1021.1	0	ESE	2	o⊕	52	85	8	1500	StCu	10	-	10	•
Gorleston	1019.6	0	N'W	3	o	52	75	7	5700	CuNb	4	ASt	9	1
Valencia (Cahirciveen)	1026.9	0	NNW	4	o	58	75	8	1500	StCu	7	ASt	10	0
Roches Point	1023.0	-2	NW	4	o	60	85	8	4000	StCu	4	ASt	10	0
Pembroke (St. Ann's H.)	1022.0	-2	NW	2	o	55	85	8	4000	StCu	10	–	10	2
Ross-on-Wye	1019.7	-3	N	2	o-	60	65	8	2500	StCu	8	ACu	10	•
Benson	1019.7	-1	NE	2	odz	55	92	6	–	Nb	10	~	10	•
Andover	1019.3	-1	NNW	3	o	60	75	8	4000	StCu	7	ASt	10	•
S. Farnborough	1019.6	-1	NNE	1	o	55	75	7	2500	StCu	10	~	10	•
London (Kew Obsy.)	1019.7	-1	N	2	o/r	54	85	6	1500	St	10	~	10	•
Croydon	1019.7	-1	E	1	o/r	52	97	5	1500	StCu	10	~	10	•
Clacton-on-Sea	1019.4	-1	NE	2	ojp	52	92	7	1500	CuNb	5	ASt	10	0
Shoeburyness	1019.8	-1	NNE	1	od0	50	85	8	800	Nb	7	ASt	10	•
Grain	1019.6	-0	E'N	4	or-	51	92	8	800	Nb	10	–	10	0
Lympne	1019.3	0	NE	3	or0r0	50	72	7	800	Nb	10	–	10	•
Scilly (St. Mary's)	1024.5	0	NW	4	o	57	85	8	4000	StCu	10	–	10	3
Falmouth (Pendennis)	1022.2	-1	N	4	o+	59	85	7	4000	Cu	10	~	10	7
Plymouth (Cattewater)	1021.1	-1	NNW	4	o	61	85	8	2500	StCu	6	ASt	10	0
Portland Bill	1019.8	-2	NW	3	c	61	75	7	2500	StCu	7	–	7	1
Southampton (Calshot)	1019.2	0	NE	4	o	61	75	7	4000	StCu	4	ASt	10	0
Dungeness	1019.4	0	ENE	3	or0r0	52	92	7	2500	Nb	7	Ci St	10	3
Jersey	1020.2	0	NW	3	c	63	65	8	4000	StCu	8	–	8	0

LONDON OBSERVATIONS.

24 HOURS ENDED 0900 G.M.T. 26th

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	oor0	orm	omid0	•	•	43	0.3	0.1	0.1	•	•
Croydon } 24 hours ended 0700	omzrr	omr	oddmo	•	•	42	1	0.5	0.0	•	•
Greenwich (Royal Obsy.)	op	odr°	ord	61	46	41	1	1	0.0	85	41
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	•	•	•	62	49	42			0.0	82	65
Regent's Pk. (Botanic Gdns).	•		•	•	•		•		0.0	•	•
Camden Square	o	oor0	•	61	49	49	1	1	•	•	43
Kensington Palace	o	omr	•	61	49	45	1	0.4	•	82 (18h)	48
Hampstead Observatory	•	•	•	60	44	43	2	0.3	0.0	•	82

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.
0.4	6h.25m	0.3	19h-24h
0.4	12h.25m		24h

POLE STAR RECORD at Greenwich Obsy.

Exposure from 25th 21 h. 45 m. to 26th 02 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	4.30	0.30	11
δ Ursae Minoris	4.30	0.28	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 4 sec.	Stren.	Direc.
13h.	C1C2	6	-	105°
18h.	C1C2	5	-	140°
01h.	eC2	5	-	135
07h.	C1C2	5	-	125°

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

26th & 27th June, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.33 / 3.33	11.55 / 11.56	8.18 / 8.18
Greenwich	3.45 / 3.46	12.2 / 12.3	8.19 / 8.19
Wick	3.8 / 3.9	12.14 / 12.15	9.20 / 9.20
Valencia	4.23 / 4.24	12.43 / 12.44	9.3 / 9.3

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.
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.

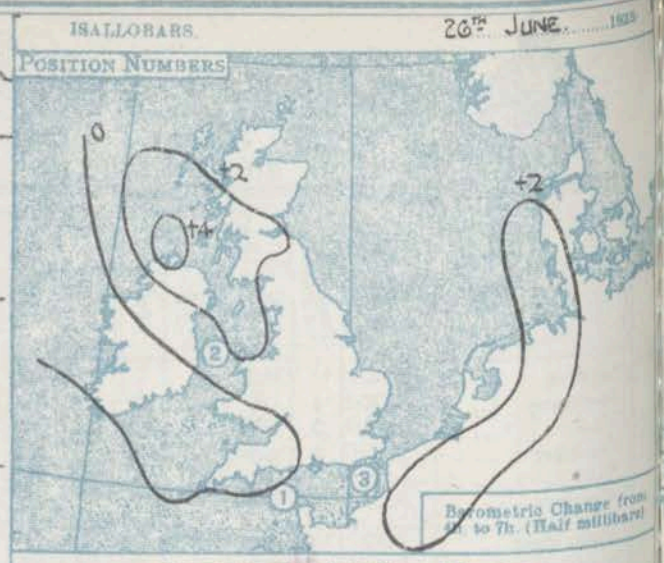
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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. 25th	Weather. 13h.-18h. 25th	Weather. 18h. 25th to 1h. 26th	Weather. 1h.-7h. 26th	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. 25th Hours.
Lerwick	bcq	b	b	bcq	56	43	•	–	–	–	–	16.2
Stornoway	c	o	bbc	c	53	40	•	–	–	–	–	3.8
Wick	c	c	bbc	c	54	39	•	–	–	–	–	•
Castlebay	opo	ororo	rddo	o	52	48	•	0.3	0.2	1430	–	0.0
Nairn	bcfq	cqbc	cbcx	bc	58	38	•	–	–	–	–	5.4
Aberdeen	bcofy	cybc	b	b	56	40	32	–	–	–	–	5.6
Malin Head	ororco	ffDD	ffodd	ffodd	53	47	•	2	2	<0800	<2100	0.0
Renfrew	omoy	oyov	oycbc	bbmw	60	34	28	–	–	–	–	4.5
Edinburgh(Inchkeith)	c	c	c	cm	59	45	39	–	–	–	–	5.1
Leuchars	co	ooc	cbcb	bbc	58	37	29	–	–	–	–	6.5
Eskdalemuir	coo	o	ocbc	bcc	59	34	28	–	–	–	–	5.4
Tynemouth	o	c	oo	c	55	46	41	–	–	–	–	•
Blacksod Point ...	oo	o	r:d	r:d	59	49	•	0.3	1	–	–	•
Donaghadee	od	o	omr	ob	55	48	•	1	4	<0800	<2100	•
Birr Castle	co	proc	co	cobro	63	53	52	trace	Trace	1730	<2100	0.0
Holyhead	iro	oodm	rromr	oro	54	49	49	0.2	4	<0800	<2100	0.0
Liverpool (Bidston)...	odobc	o	r:d	r:d	56	49	50	0.3	2	<0800	<2100	4.0
Chester (Shotwick) ...	oprorro	o ⊕	odddmo	oddfm	60	50	50	trace	1	<0800	<2100	4.2
Spurn Head	c	c	c	oo	56	47	•	–	–	–	–	3.4
Birmingham (Edgbaston)	od	co	co	odo	58	48	45	trace	0.2	<0800	0530	0.0
Nottingham	iro	om	om	oc	54	48	45	0.2	–	<0800	–	0.0
Cranwell	dodo	o	oo	ocm	57	44	41	0.2	–	<0800	–	0.4
Gorleston	odmc	c	c	cbc	54	43	34	2	–	<0800	–	2.3
Valencia (Cahirciveen)	oo	o	oo	oom	60	55	53	–	–	–	–	0.3
Roches Point	oo	o	oo	oo	64	56	•		–		–	•
Pembroke(St.Ann's H.)	oo	o	oo	r:d	61	52	•	–	0.2	–	0230	1.1
Ross-on-Wye	oco	o	ogob	orodm	62	49	49	0.3	2	0900	2400	0.0
Benson...	o	o	rbco	oo	62	48	43	0.1	0.4	–	<2100	•
Andover	oorc	oo	o	oprorm	65	50	50	Trace	0.4	1100	2400	0.6
S. Farnborough ...	opo	opo	oro	oo	65	48	44	trace	Trace	1430	<2100	0.0
London (Kew Obsy.)...	ooiro	orm	omidom	om	62	49	43	0.3	0.1	1230	<2100	0.1
Croydon	omzrorro	amro	oddmo	om	61	46	42	1	0.5	1230	<2100	0.0
Clacton-on-Sea ...	ogdr	ogrog	ogcbc	bc	58	43	34	2	–	0900	–	0.0
Shoeburyness	borr	orrorro	oro	o	61	38	34	2	0.4	0900	<2100	0.0
Grain	oorro	oror	orrbc	bcmom	60	39	32	3	0.4	1100	<2100	0.0
Lympne	odorom	omdom	oromr	cfbcb	59	40	32	1	0.3	0900	<2100	0.0
Scilly (St. Mary's) ...	oo	o	c	c	63	54	•	–	–	–	–	0.4
Falmouth (Pendennis)	cbc	bcc	cbc	bco	64	56	•	–	–	–	–	3.6
Plymouth(Cattewater)	cbvc	co	oo	oo	65	55	54	–	–	–	–	7.0
Portland Bill	c	c	c	r:d	65	54	•	–	0.2	–	0430	•
Southampton(Calshot)	oo	o	oorro	oddm	66	51	51	–	0.5	–	2200	1.1
Dungeness	oo	r	c	fim	64	44	•	1	–	1230	–	•
Jersey	bcb	c	cb	bo	66	55	•	–	–	–	–	7.8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Authority.
2	25th 10h	Cambria	NW	4	oe	54	51	4
3	26th 2h	Arundel	N	2	b	52	55	4

GENERAL INFERENCE.

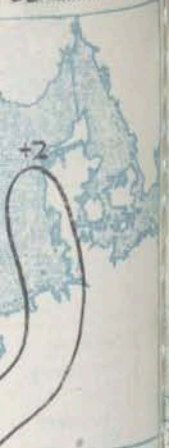
The shallow depression over NW. England will probably move slowly south and cause local drizzle except in Scotland and the extreme eastern parts of England, with light or moderate winds, mainly from N. and NW.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday 26th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind light and indefinite; fair; slight morning mist in places; temperature moderate to rather warm.	None issued.
4. W. Midlands	Wind light and indefinite; occasional drizzle, improving later; slight mist locally; moderate temperature.	
5. S.W. England 6. South Wales	Light to moderate northerly winds; occasional showers; visibility moderate to good; moderate temperature.	--------
7. North Wales 8. N.W. England 9. N. Midlands	Wind light and indefinite; mainly fair, but local showers at first; visibility moderate to good; moderate temperature.	
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 N. to NW. winds; fair; visibility moderate to good; becoming warmer.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light to moderate northerly winds; cloudy, occasional drizzle in places; visibility moderate to good; temperature moderate to rather warm.	

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

† For Code see opposite page.

JUNE, 1923



	Temp.		
	Air.	Sea.	
	54	51	4
	52	55	4

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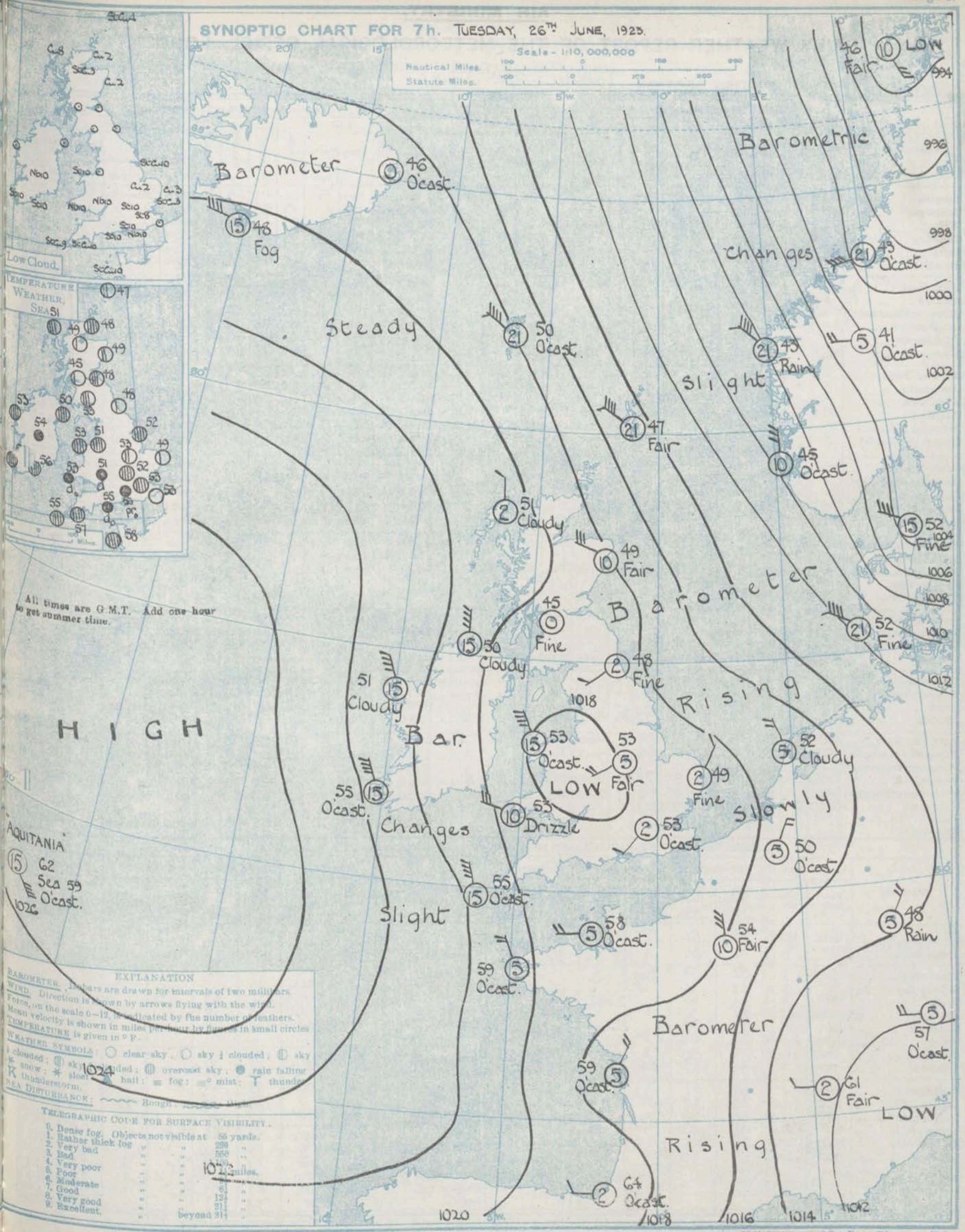
Outlook.

sued.

S., Director.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION....Tuesday, 26th June.....1923. No. 144.

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	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick ...	1014.3	-2	NW	4	bc+	47	85	7	5700	StCu	3	ACu	4	•
Stornoway ...	1020.0	+1	–	0	b-	•	•	6	•	•	•	•	•	•
Wick ...	1017.7	-1	WNW	1	b	40	97	8	4000	Cu	3	–	3	•
Castlebay ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head ...	1017.6	0	NNW	3	oDg	51	97	3	4000	Nb	10	–	10	•
Renfrew ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1018.3	+2	NNW	1	b	47	92	7	–	–	0	CiSt	1	•
Leuchars ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	1018.9	0	–	0	0	49	85	7	1500	Nb	10	–	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead ...	1018.2	-2	WNW	4	od	53	92	7	800	St	10	–	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head ...	1019.1	-1	S	1	0	50	95	7	4000	StCu	10	–	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell ...	1019.4	-2	SSE	1	0	45	97	7	2500	StCu	6	ACu	9	•
Gorleston ...	1019.4	0	NW	1	c	44	97	7	4000	Cu	7	–	7	•
Valencia (Cahirciveen)	1025.6	-1	NW	3	0	55	97	8	–	–	0	ASt	9	•
Roches Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1020.2	-2	NW	3	0	54	85	8	4000	StCu	10	–	10	•
Ross-on-Wye ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover ...		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...		•	•	•	•	51	•	•	•	•	•	•	•	•
Croydon ...	1019.2	-1	SW'S	2	ofr	48	94	7	1500	StCu	10	–	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne ...	1019.1	-1	NNW	2	c-	45	92	6	4000	StCu	8	–	8	•
Scilly (St. Mary's) ...	1022.8	-1	N'W	3	0	55	94	8	4000	StCu	9	–	9	•
Falmouth (Pendennis)	1022.6	-1	N	4	c+	56	85	7	4000	Cu	8	–	8	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill ...	1019.2	0	NW	2	c	57	76	7	2500	StCu	8	–	8	•
Southampton (Ca.shot)	1019.1	0	SE'S	1	ofr+	53	85	7	1500	Nb	10	–	10	•
Dungeness ...	1019.0	0	NNE	3	c°	49	92	8	–	–	0	ACu	7	•
Jersey 7h } ... Guernsey 1h }														•

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	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick ...	1014.4	+1	NW	5	bc	47	65	6	5700	StCu	4	Ci	5	4
Stornoway ...	1021.2	+1	N	1	c	51	85	8	4000	Cu	8	–	8	1
Wick ...	1017.6	0	NW	4	o+	48	85	8	4000	Cu	2	CiSt	9	3
Castlebay ...	1021.5	+2	N	2	o	50	92	8	2500	StCu	10	–	10	2
Nairn ...	1020.0	•	–	0	b-	49	75	8	5700	StCu	3	–	3	•
Aberdeen ...	1019.4	0	NW	3	bc+	49	75	8	2500	Cu	2	CiSt	4	•
Malin Head ...	1020.9	+4	N	4	cfr	50	92	9	5700	Nb	3	ACu	4	1
Renfrew ...	1019.5	+2	–	0	b	45	94	4	–	–	0	Ci	3	•
Edinburgh (Inchkeith)	1019.5	+2	W	1	mc	48	85	6	–	–	0	Ci	8	1
Leuchars ...	1019.8	+1	N	1	bc	50	75	8	–	–	0	Ci	5	•
Eskdalemuir ...	1018.6	+1	–	0	c	53	65	7	–	–	0	Ci	8	•
Tynemouth ...	1018.4	+1	SW	1	b-	43	85	6	–	–	0	Ci	2	1
Blacksod Point ...	1022.4	0	NNW	4	ofr	53	94	9	–	–	–	–	10	4
Donaghadee ...	1019.5	+1	N	3	ofr	50	94	8	–	–	0	ASt	10	1
Birr Castle ...	1021.3	•	NW	3	ofg	54	92	6	1500	Nb	10	–	10	•
Holyhead ...	1018.0	+2	NNW	4	o	53	94	7	220	St	10	–	10	4
Liverpool (Bidston) ...	1017.8	+1	SE	2	ofr	51	94	6	4000	St	6	CiSt	10	3
Chester (Shotwick) ...	1018.0	+1	ESE	1	odg	51	94	5	800	St	10	–	10	•
Spurn Head ...	1018.8	+1	–	0	o	52	75	8	5700	StCu	10	–	10	1
Birmingham (Edgbaston)	1018.4	0	NNW	1	odg	49	92	5	1500	Nb	10	–	10	•
Nottingham ...	1018.0	0	WSW	2	bc	53	85	6	4000	Cu	2	Ci	3	•
Cranwell ...	1018.8	0	SE	1	b	51	92	6	4000	Cu	2	–	2	•
Gorleston ...	1019.0	0	NNE	1	b	49	75	7	5700	Cu	3	–	3	0
Valencia (Cahirciveen)	1024.6	0	NNW	4	mmo	55	92	6	800	St	10	–	10	3
Roches Point ...	1020.9	-1	NW	4	o	56	94	8	1500	St	10	–	10	3
Pembroke (St. Ann's H.)	1019.2	-1	NNW	3	od	53	94	7	1500	Nb	10	–	10	•
Ross-on-Wye ...	1018.1	-1	E	1	od	51	94	5	800	Nb	10	–	10	•
Benson ...	1018.2	+1	–	0	o	52	92	6	–	St	10	–	10	•
Andover ...	1018.9	0	–	0	ofg	51	92	6	1500	Nb	6	ASt	10	•
S. Farnborough ...	1018.8	0	–	0	ofg	53	85	6	800	St	10	–	10	•
London (Kew Obsy.) ...	1018.9	+1	SW'S	1	o	53	85	6	2500	St	8	ASt	10	•
Croydon ...	1019.1	0	SSW	1	o	51	92	6	5700	StCu	8	ASt	10	•
Clacton-on-Sea ...	1019.1	0	NE	2	bc	51	75	7	7200	StCu	3	ACu	5	0
Shoeburyness ...	1019.1	0	N	1	o	50	85	7	4000	StCu	10	–	10	•
Grain ...	1019.0	0	NE	1	mmo	51	94	5	1500	StCu	10	–	10	0
Lympne ...	1018.8	0	NNW	2	bc+	49	92	8	5700	StCu	1	ASt	5	•
Scilly (St. Mary's) ...	1022.5	-1	N'W	4	o	55	92	8	4000	StCu	9	–	9	3
Falmouth (Pendennis)	1020.6	-1	NNW	4	o	57	85	8	4000	StCu	10	–	10	0
Plymouth (Cattewater)	1019.4	0	NNW	3	o	54	85	7	2500	StCu	10	–	10	0
Portland Bill ...	1018.4	-1	NNW	1	od	55	92	5	1500	St	10	–	10	0
Southampton (Ca.shot)	1019.0	0	WNW	1	odg	52	92	6	800	Nb	10	–	10	•
Dungeness ...	1019.0	0	N	2	b	53	85	8	–	–	0	–	0	2
Jersey 7h } ... Guernsey 1h }	1019.2	0	W	2	o	58	85	8	4000	StCu	10	–	10	0

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 24th. °F.	Temperature. Max. Day. 25th. °F.	Rainfall.† Night 17h.-9h. 24th-25th. mm.	Rainfall.† Day 9h.-17h. 25th. mm.	Sunshine. Sunrise to 17h. 25th. hr.	Sunshine. Sunrise to Sunset. 24th. hr.
Berwick-on-Tweed	dobc	bcbc	45	54	3	–	3.8	4.1
Montrose ...	o	b	43	55	1	–	3.5	0.0
Llandudno ...	o	o	52	55	Trace	–	–	2.5
Colwyn Bay ...	c	c	52	56	–	–	0.2	5.9
Rhyl ...	od	o	52	65	–	0.2	0.6	2.1
Southport ...	ocbcc	co	52	57	1	–	2.6	0.5
Blackpool ...	bc	oc	52	58	1	–	2.7	0.2
Ilkley ...	ocpoc	bcobc	46	60	1	–	3.7	6.4
Harrogate ...	obc	bbcc	45	59	2	–	3.5	5.3
Skegness ...	ro	o	48	55	0.4	–	1.2	9.0
Aberystwyth ...	ooc	o	55	57	–	–	0.3	3.0
Bath ...	opc	co	53	65	–	0.3	1.6	4.2
Leamington Spa ...	or	o	53	58	0.1	0.1	0.0	1.8
Lowestoft ...	ro	oco	48	53	1	1	0.9	9.0
Felixstowe ...	omr	opo	56	56	0.3	3	0.0	8.7
Southend ...	oor	or	57	60	–	4	0.0	9.8

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 24th. °F.	Temperature. Max. Day. 25th. °F.	Rainfall.† Night 17h.-9h. 24th-25th. mm.	Rainfall.† Day 9h.-17h. 25th. mm.	Sunshine. Sunrise to 17h. 25th. hr.	Sunshine. Sunrise to Sunset. 24th. hr.
Ilfracombe ...	oc	o	55	61	–	–	0.8	1.3
Bude ...	c	c	56	62	–	–	2.3	3.2
Penzance ...	bc	bcc	55	65	–	–	x	x
Paignton ...	bcq	bccqoq	51	69	–	–	8.5	7.4
Torquay ...	b	bcco	53	70	–	–	8.5	7.4
Weymouth ...	bcc	co	53	71	–	–	2.7	4.5
Bournemouth ...	bbc	o	55	67	–	–	3.0	2.8
Portsmouth (S'thsea)	co	oc	59	66	–	–	0.6	4.3
Worthing ...	co	oco	59	64	–	–	0.2	3.7
Brighton ...	o	u	59	66	–	–	0.3	3.1
Eastbourne ...	o	oror	59	65	–	0.2	0.0	1.0
Hastings ...	oc	opo	58	65	–	0.2	0.0	1.6
Folkestone ...	o	p	54	62	–	1	0.0	7.7
Tunbridge Wells ...	oop	oor	57	61	–	2	0.0	5.6
Ramsgate ...	o	oro	50	65	–	1	0.0	10.8
Margate ...	od	od	57	58	–	1	0.0	11.3
Deal ...	oop	or	58	67	–	1	0.0	11.0

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* 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. 22494 Wednesday, 27th June 1923.

Observations at 1800 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. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1015·5	+1	NW	5	b	51	65	7	5700	st.Cu	2	Ci.Cu	3	•
Stornoway	1022·0	+1	N	3	c	55	65	8	4000	st.Cu	8	-	8	•
Wick	1019·7	+2	NW	4	bc	55	65	8	-	-	0	Ci.st	6	•
Castlebay	1023·1	0	NW	3	o-	53	65	8	1500	st.	10	-	10	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Aberdeen	1019·8	+1	NW	4	b	57	45	8	-	-	0	Ci.Cu	3	0
Malin Head	1022·9	+2	N'W	4	bc-	53	85	9	5700	Cu	4	-	4	•
Renfrew	1020·0	0	W	2	b-	64	55	8	5700	Cu	2	Ci	3	0
Edinburgh (Inchkeith)	1019·9	-1	ESE	1	bc-	57	65	8	*	Cu	1	Ci.Cu	5	•
Leuchars	1019·4	0	ESE	2	bc	60	65	8	5700	Cu	4	A.Cu	6	0
Eskdalemuir	1019·2	0	NNW	2	bc	59	55	7	4000	Cu	5	Ci.st	6	0
Tynemouth	1020·3	+2	NE	2	b-	53	75	7	4000	Cu	2	-	2	•
Blacksod Point	1024·2	+1	WNW	4	o-	55	85	9	*	CuNb	10	-	10	•
Donaghadee	1021·3	+1	N	3	b	56	75	8	1500	Cu	2	Ci.st	3	•
Birr Castle	1021·1	*	NW	1	o-	59	85	8	-	-	0	A.st	9	•
Holyhead	1020·8	+2	N'W	4	b-	55	85	8	1500	st.Cu	3	-	3	0
Liverpool (Bidston)	1019·5	+1	NW	3	bc-	56	75	7	4000	st.Cu	2	Ci.st	6	•
Chester (Shotwick)	1019·3	+1	NW	4	c-	59	75	7	2500	Cu	8	-	8	5
Spurn Head	1020·1	+2	ESE	2	c	56	75	8	5700	Cu	5	Ci.st	7	•
Birmingham (Edgbaston)	1018·8	+1	S	2	bc-	59	75	3	4000	Cu	6	-	6	1
Nottingham	1018·7	0	S	1	o	62	65	7	2500	Nb	4	Ci.st	9	•
Cranwell	1019·4	0	E'N	1	c	61	75	8	4000	Cu	8	-	8	0
Gorleston	1019·7	+1	E'N	1	b-	55	65	7	5700	Cu	2	-	2	•
Valencia (Cahirciveen)	1024·0	0	NNW	5	o	56	92	7	800	st.	10	-	10	0
Roches Point	1022·1	+1	N	3	o-	62	85	8	2500	st	9	-	9	•
Pembroke (St. Ann's H.)	1020·8	+1	NNW	4	o	57	85	7	4000	st.Cu	9	-	9	•
Ross-on-Wye	1018·5	+1	NE	2	o	60	65	8	2500	Nb	10	-	10	1
Benson	1019·0	+1	E	2	ofo	55	86	6	-	Nb	10	-	10	0
Andover	1019·3	0	SSE	2	odo	54	92	6	450	Nb	10	-	10	1
S. Farnborough	1019·5	+1	S	3	odo	54	85	6	800	st.	10	-	10	0
London (Kew Obsy.)	1020·0	+2	SW	2	ododo	55	85	6	1500	Nb	9	A.st	10	1
Croydon	1019·7	+1	W'S	1	ododo	53	92	6	2500	Nb	10	-	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1020·0	+1	SE	2	bc-	58	65	8	-	-	0	A.Cu	5	*
Grain	1019·8	+1	ENE	3	c-	57	75	7	7200	st.Cu	7	-	7	0
Lympne	1020·2	+1	SE	2	o	53	75	8	2500	st.Cu	9	A.st	10	0
Scilly (St. Mary's)	1021·2	-1	NW	4	o	60	85	8	4000	st.Cu	10	-	10	•
Falmouth (Pendennis)	1019·5	-1	N	4	o/r	59	85	8	4000	CuNb	9	-	9	•
Plymouth (Cattewater)	1019·0	0	N	4	o	61	75	8	2500	st.Cu	10	-	10	0
Portland Bill	1018·4	0	NW	1	odo	60	65	6	2500	Nb	10	-	10	•
Southampton (Calshot)	1019·8	+1	SE'E	2	o/r	54	92	6	800	st.	10	-	10	1
Dungeness	1019·9	0	SSW	2	o	55	75	7	4000	st.Cu	10	-	10	•
Jersey	1019·0	0	W	4	bc	61	75	8	4000	StCu	6	-	6	•

Observations at 1800 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. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-8
Lerwick	1017·2	+2	NNW	5	bc	50	65	7	-	-	0	Ci	4	4
Stornoway	1020·8	0	N	2	o+	54	75	8	4000	StCu	10	-	10	0
Wick	1019·5	0	NW	4	bc	52	75	8	-	-	0	Ci	6	3
Castlebay	1023·0	0	NW	4	o	52	92	8	2500	St	10	-	10	3
Nairn	1020·5	*	NW	1	bc+	56	55	8	4000	Cu	3	ACu	5	•
Aberdeen	1020·3	0	NNW	2	b	56	55	8	-	-	0	ACu	3	0
Malin Head	1023·2	0	?NW	4	bc	52	85	9	5700	Cu	4	-	4	1
Renfrew	1019·9	0	NW	3	o+	63	56	8	4000	Cu	2	ACu	3	•
Edinburgh (Inchkeith)	1019·8	-1	ESE	3	c+	56	75	8	-	-	0	CiSt	8	1
Leuchars	1019·7	+1	ESE	3	c	57	65	8	4000	StCu	3	Ci	7	•
Eskdalemuir	1019·8	0	ENE	2	o	60	56	7	4000	StCu	3	-	3	•
Tynemouth	1020·5	0	E	1	b-	57	65	7	-	-	0	ACu	1	1
Blacksod Point	1024·8	0	NW	2	b	57	85	9	-	CuNb	2	-	2	1
Donaghadee	1021·9	+1	NNW	3	b	55	75	8	-	-	0	CiSt	2	2
Birr Castle	1021·8	*	NW	1	bc-	65	65	8	4000	StCu	6	-	6	•
Holyhead	1021·2	0	NW'W	2	b	55	85	8	2500	StCu	1	-	1	1
Liverpool (Bidston)	1020·4	+1	WNW	3	b	56	75	8	-	-	0	CiSt	3	3
Chester (Shotwick)	1020·1	+0	NW	4	bc-	57	75	8	2500	St	3	Ci	5	•
Spurn Head	1020·1	0	E	2	c	55	75	8	4000	StCu	8	-	8	2
Birmingham (Edgbaston)	1019·5	+0	N	3	o	59	75	5	2500	St	10	-	10	•
Nottingham	1019·2	+1	SE	2	c	60	75	8	-	-	0	A.st	7	•
Cranwell	1020·1	+0	E'S	3	b-	59	65	8	-	-	0	CiSt	1	•
Gorleston	1020·0	0	SSE	1	bc+	53	65	7	7200	StCu	5	-	5	0
Valencia (Cahirciveen)	1024·5	-1	NNW	4	b-	58	85	8	1500	StCu	3	-	3	3
Roches Point	1021·9	0	NNW	3	b-	63	85	8	4000	Cu	3	-	3	0
Pembroke (St. Ann's H.)	1020·9	0	N	4	b	56	75	7	-	-	0	-	0	3
Ross-on-Wye	1018·6	0	ENE	1	bc	64	55	8	4000	Cu	5	-	5	•
Benson	1019·6	0	S	1	bc	58	85	6	-	Cu	5	-	5	•
Andover	1019·8	+1	SSE	1	o/r	55	97	7	1500	Nb	10	-	10	•
S. Farnborough	1019·8	-0	SSW	2	c+	56	85	6	800	St	8	-	8	•
London (Kew Obsy.)	1019·8	0	WSW	2	c	59	65	7	2500	Cu	2	A.st	7	•
Croydon	1019·5	0	WSW	2	c/r	57	75	8	4000	Cu	6	ACu	7	•
Clacton-on-Sea	1020·2	+1	SE	3	c+	55	75	7	2500	Cu	5	ACu	7	0
Shoeburyness	1020·0	0	SE	1	bc+	56	75	8	-	-	0	ACu	5	•
Grain	1020·0	+1	SW	2	o+	57	75	8	4000	StCu	8	ACu	9	0
Lympne	1020·2	0	S'E	2	b-	53	75	7	-	-	0	Ci	2	•
Scilly (St. Mary's)	1022·0	0	N'E	3	c-	57	85	8	4000	StCu	8	-	8	3
Falmouth (Pendennis)	1019·5	0	N	4	b	58	75	8	5700	Cu	3	-	3	0
Plymouth (Cattewater)	1019·3	+2	NNW	3	b-	61	75	8	4000	StCu	3	-	3	0
Portland Bill	1018·7	0	W	2	o/r	56	85	6	2500	StCu	10	A.st	10	0
Southampton (Calshot)	1020·1	+1	SSE	2	o	56	85	7	1800	St	10	-	10	0
Dungeness	1020·3	0	S	2	b+	55	65	8	-	-	0	Ci	3	2
Jersey	1019·3	0	W	4	o	61	75	8	4000	StCu	10	-	10	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. 23h. G.M.T. %
	24 hours ended 0900 G.M.T. 27th								Yesterday.	To-day.	
Kew } 24 hours ended 0700	odm	odwbc	ebnw	•	•	34	0.3	-	2·8	•	•
Croydon } 24 hours ended 0700	omd.	od bc	cmcmw	•	•	39	Tr.	Tr.	2·8	•	•
Greenwich (Royal Obsy.)	0	ob	bzwo	64	43	34	-	-	2·8	64	43
City (Bunhill Row)	•	•	•	•	•	•	•	•	1·7	•	•
Westminster (St. James' Pk.)	•	•	•	61	47	44	-	-	2·4	68	43
Regent's Pk. (Botanic Gdns.)	•	•	•	•	•	•	•	•	3.1	•	•
Camden Square	o	oc	•	62	49	46	-	-	•	•	48
Kensington Palace	bcz	bc	•	60	47	40	-	-	•	76 (18h.)	49
Hampstead Observatory	•	•	•	60	48	41	-	-	2·4	•	85

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 26th

South Kensington

Max.	Time.	Min.	Time.
0.6	17h.25m	0.3	1h.26m
1.0	10h.26m		

Kew Observatory

Max.	Time.	Min.	Time.
0.4	21h.25m	0.3	3h.26m
0.4	14h.26m		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 26th 21h.45m. to 27th 02h.15m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	4.30	4.22	91
δ Ursae Minoris	4.30	4.22	91

CODE FOR STATE OF GROUND.

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Hard 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 1200 and 1800 reports (Hour first 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 sec.	Strength.	Direc.
18h.	C	S	-	130°
18h.	C	S	-	150
01h.	C,C	G	-	160°
07h.	C	G	-	125°

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

27th & 28th June, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.33	11.56	8.18
	3.34	11.56	8.18
Greenwich	3.46	12.3	8.19
	3.47	12.3	8.19
Wick	3.3	12.15	9.20
	3.5	12.15	9.20
Valencia	4.24	12.44	9.3
	4.25	12.44	9.3

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.
v thick fog " less than 200 m.
p precipitation within sight of station.
p passing showers z rain.
s snow. ru sleet. t thunder.
z unusual visibility, x 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; fair 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.
Rrr = continuous heavy rain.

SEA DISTURBANCE.

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

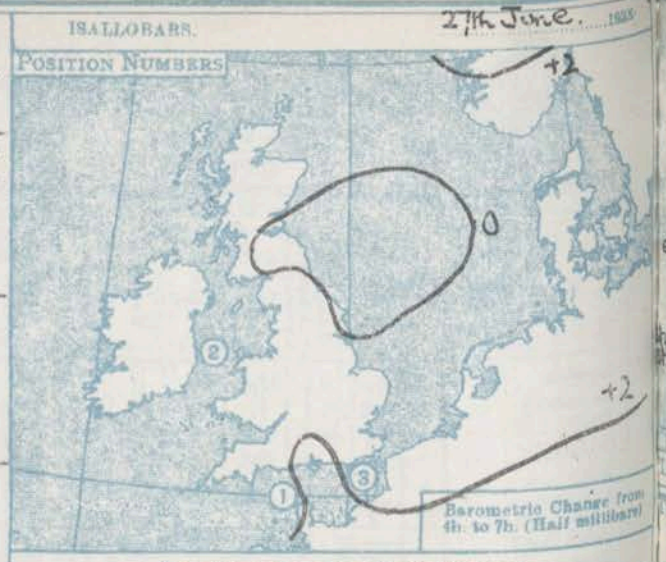
The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

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

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

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	bq	bcq	bc	bc	53	44	•	–	–	–	–	16.5
Stornoway	c	c	c	b	57	49	•	–	0.2	–	–	5.2
Wick	c	c	oo	b	53	48	•	–	–	–	–	•
Castlebay	o	o	odff	dmcom	54	50	•	–	0.3	–	–	1.2
Nairn	bc	bcebg	bccg	cg	62	45	•	–	–	–	–	6.2
Aberdeen	bcqby	bqy	bo	oo	58	48	43	–	–	–	–	10.4
Malin Head	cvbcv	bcc	bccov	o3im	53	49	•	–	Trace	–	01.30	11.8
Renfrew	boby	bcyc	oyo	o3w	68	51	45	–	Trace	–	–	8.1
Edinburgh (Inchkeith)	bc	c	o	cm	60	49	44	–	–	–	–	11.8
Leuchars	bcocbc	bcc	cbc	bc	63	45	30	–	–	–	–	12.4
Eskdalemuir	cocbc	bccoy	oyoo	oo	64	45	43	–	–	–	–	8.4
Tynemouth	b.bc	b-bc	bbc	oo	57	49	36	–	–	–	–	•
Blacknod Point ...	c	b-bc	c	c	58	50	•	–	.2	–	–	•
Donaghadee	bc	bc	c	o	57	48	•	–	Trace	–	06.30	•
Pirr Castle	co	co	co	o	65	44	35	–	–	–	–	6.9
Holyhead	ocbc	bb	bbcc	ocbc	56	49	44	–	–	–	–	9.2
Liverpool (Bidston) ...	odobc	b-bc	bco		59	50	45	–	–	–	–	8.5
Chester (Shotwick) ...	ododw	cbcc	bcco	coo	61	47	38	0.1	–	<0800	–	6.6
Spurn Head	c	c	bcvbb	cocc	57	49	•	–	–	–	–	7.8
Birmingham (Edgbaston)	do	com	bcc	off	61	46	36	Trace	–	<0800	–	0.5
Nottingham	c	c	co	c	64	47	42	–	–	–	–	1.2
Cranwell	bcoc	bcb	bbcco	oo	63	43	38	–	–	–	–	10.7
Gorleston	bcb	b	cbcb	bbc	56	42	36	–	–	–	–	12.4
Valencia (Cahirciveen)	ioo	ocb	o	oc	60	53	48	Trace	–	0900	–	2.3
Roches Point	oboo	obcb	bw	bw	64	50	•	–	Trace	–	–	•
Pembroke (St. Ann's H.)	oo	b-bc	c	bbc	60	47	•	–	–	–	–	8.4
Ross-on-Wye	docobo	obcbcy	c3bm	comcm	66	43	39	Trace	–	<0800	–	4.3
Benson...	oiso	bc	bcco	of	60	45	34	Trace	–	–	–	•
Andover	odom	odomo	occm	oFomw	55	43	40	0.6	–	<0800	–	0.0
S. Farnborough ...	odo	odoc	co	oo	59	44	38	Trace	–	<0800	–	0.6
London (Kew Obsy.) ...	oodom	odmbco	obmw	bmomw	61	46	34	0.3	–	12.30	–	2.8
Croydon	omdo	odobc	cm	comw	59	44	39	Trace	Trace	11.00	–	2.8
Clacton-on-Sea ...	bc	bcc	c	cbcw	57	45	41	–	–	–	–	8.0
Shoeburyness	ocbc	bc	bcco	obFF	60	42	35	–	Trace	–	–	5.0
Grain	omcoc	boco	ocbcc	cofom	59	43	35	–	–	–	–	3.0
Lympne	bccoc	ocbc	bbcc	cbcw	56	41	33	–	Trace	–	–	6.2
Scilly (St. Mary's) ...	comd	oc	bc	bcb	60	51	•	0.2	–	<0800	–	0.4
Falmouth (Pendennis)	opbco	obc	bcb	bb	61	50	•	0.6	–	0900	–	5.1
Plymouth (Cattewater)	odop	cbcb	bbcw	bcwom	63	49	38	0.6	–	0900	–	5.8
Portland Bill	r-d	c	oo	c	58	51	•	0.2	–	12.30	–	•
Southampton (Calshot)	odom	o	ocb	bmFcfcm	54	47	40	0.6	–	<0800	–	0.0
Dungeness	c	c	c	c	58	42	•	–	–	–	–	•
Jersey	oc	cbco	c	b	63	53	•	–	–	–	–	2.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	26th 10h	Cambria	N.W	4	oe	53	55	5
1	26th 11h	–	NNW	3	ot	59	53	5
3	27th 2h	Dieppe	NE	1	b	54	55	5

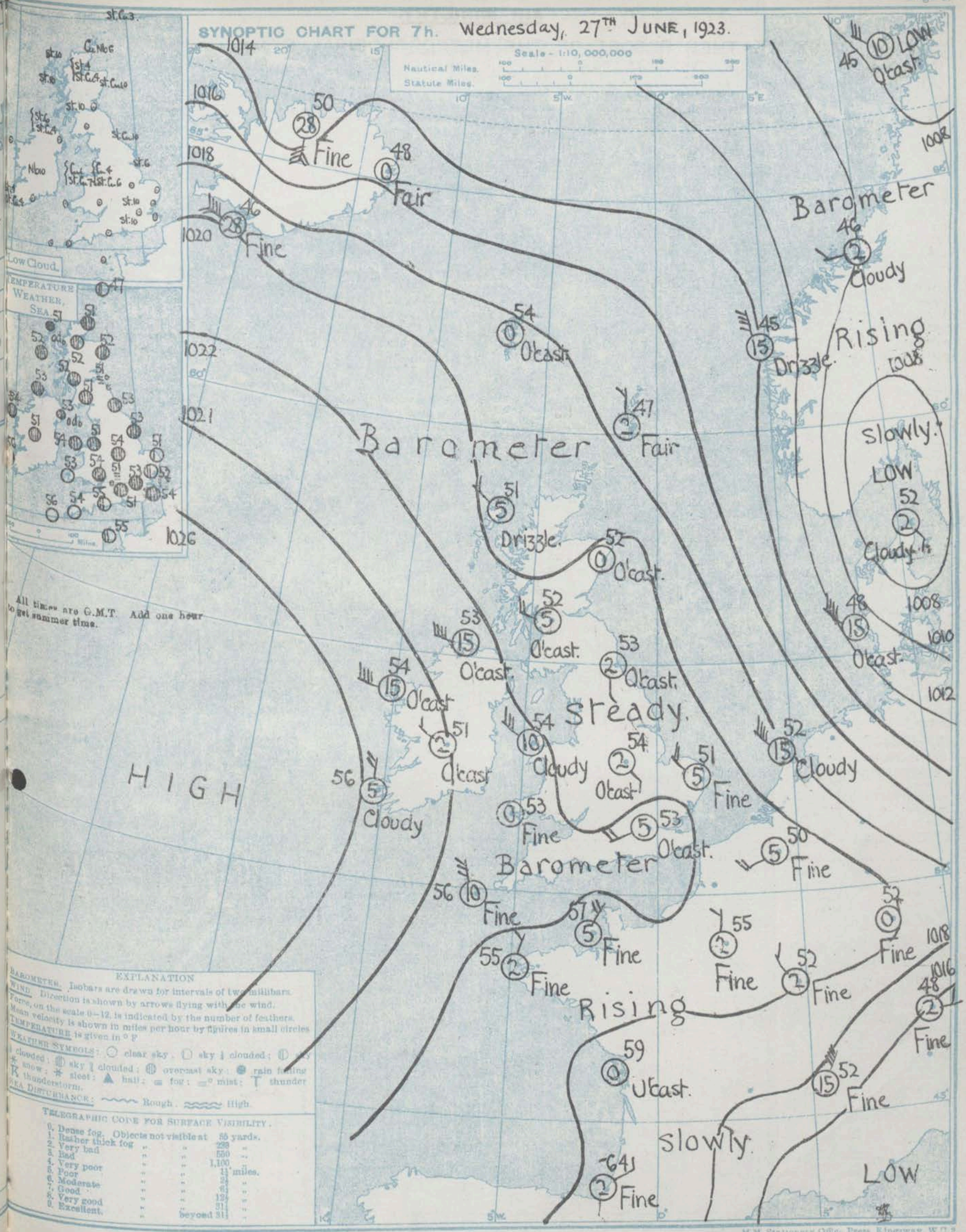
GENERAL INFERENCE.

The shallow depression over Scotland will cause cloudy weather in the North with rain or drizzle in places. In the South the weather will be fine and rather warm for a time with slight morning mist.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Wednesday 27th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light winds, mainly from between West and North; fine; slight morning mist; rather warm.	None issued. ------
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 to moderate winds, mainly from between West and North; cloudy, occasional rain or drizzle; visibility poor at times; moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	Light NW. wind; fair; visibility moderate to good; rather warm.	

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


SYNOPTIC CHART FOR 7h. Wednesday, 27TH JUNE, 1923.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Low Cloud.
TEMPERATURE
WEATHER.
SEA.
All times are G.M.T. Add one hour to get summer time.
HIGH
Barometer
Steady.
Rising
Slowly.
LOW
Fine
Fair
Cloudy
Drizzle.
O'cast.
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... Wednesday, 27th June .....1923. No. 178.

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	Sun. 0-9
Lerwick	1040	0	NNW	2	bc	44	95	7	-	-	0	AST	4	•
Stornoway	1021.0	-2	NW	4	b	•	•	5	•	•	•	•	•	•
Wick	1019.1	-1	NW	2	o	48	94	8	4000	Cu	2	CiSt	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1022.4	-1	W	4	o+	52	94	9	5/00	Nb	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1020.9	0	ESE	1	bc	50	85	8	-	StCu	1	ACu	6	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•		
Tynemouth	1021.2	+1	WSW	1	c+	50	95	6	4000	StCu	8	-	8	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1022.4	+1	NE	3	o+	52	85	8	4000	StCu	2	ACu	4	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1021.8	0	NW	2	bc+	50	95	7	5/00	StCu	3	ACu	4	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1022.4	+2	-	0	o	49	92	8	2500	StCu	10	-	10	•
Gorleston	1020.8	0	NW	1	b-	46	85	7	-	-	0	-	0	•
Valencia (Cahirciveen)	1025.3	+2	N	2	o	53	94	8	-	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1022.2	0	N	2	b	48	85	8	4000	StCu	2	-	2	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...		•	•	•	•	50	•	•	•	•	•	•	•	•
Croydon	1021.9	+2	SSW	2	c	46	94	5	-	-	0	CiSt	7	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1021.6	0	NNW	2	c+	43	92	6	-	-	0	CiSt	7	•
Scilly (St. Mary's) ...	1023.0	+1	N	2	b-	52	92	8	4000	StCu	2	-	2	•
Falmouth (Pendennis)	1022.1	+2	N	2	b	52	85	8	-	-	0	-	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1021.3	+3	E	2	c-	52	92	7	-	-	0	ASt	8	•
Southampton (Ca. shot)	1021.9	+1	SW	1	b	52	92	8	4000	St	1	ACu	3	•
Dungeness	1021.7	+1	-	0	c	48	85	7	4000	StCu	3	ACu	8	•
Jersey 7h }														•
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.§ 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	1014.4	0	N	1	bc	44	85	8	5/00	StCu	3	CiCu	5	0
Stornoway	1019.9	+1	NNW	2	ad	51	94	5	450	St	10	-	10	1
Wick	1018.9	0	NNW	1	o	51	92	8	2500	CuNb	6	CiSt	10	0
Castlebay	1021.4	0	NW	4	o	52	94	7	1500	St	10	-	10	3
Nairn	1019.5	•	NW	1	c+	52	95	8	1500	St	8	-	8	•
Aberdeen	1020.1	0	-	0	o	52	85	8	4000	StCu	10	-	10	0
Malin Head	1022.9	0	WNW	4	o/m	53	94	8	2500	St	10	-	10	1
Renfrew	1020.6	0	WNW	2	o	52	95	6	4000	St	10	-	10	•
Edinburgh (Inchkeith)	1020.1	0	WSW	2	mmc	51	85	6	-	-	0	ACu	8	1
Leuchars	1022.5	0	-	0	bc	55	65	7	-	-	0	ACu	5	•
Eskdalemuir	1020.2	-1	-	0	o	51	85	7	-	-	0	ASt	10	•
Tynemouth	1020.4	0	S	1	o	53	95	6	4000	StCu	10	-	10	0
Blacksod Point ...	1025.8	0	WNW	4	o	54	92	8	-	-	-	-	10	0
Donaghadee	1021.9	0	W	2	ad	53	92	8	-	-	0	ASt	10	2
Birr Castle	1024.9	•	NW	1	o+	51	94	6	2500	Nb	10	-	10	•
Holyhead	1022.8	0	NW	3	c+	54	85	8	2500	StCu	8	-	8	3
Liverpool (Bidston) ...	1021.3	0	W	3	o	51	85	8	4000	StCu	10	-	10	4
Chester (Shotwick) ...	1022.0	0	WNW	4	o	54	95	7	2500	StCu	10	-	10	•
Spurn Head	1021.6	-1	WNW	2	o	53	95	5	800	St	6	ACu	9	2
Birmingham (Edgbaston)	1021.8	0	W	2	ffo	50	92	3	1500	St	10	-	10	•
Nottingham	1021.3	0	ESE	1	o	54	95	6	-	-	0	ACu	9	•
Cranwell	1022.0	0	-	0	o	51	85	8	4000	StCu	10	-	10	•
Gorleston	1020.8	0	NW	2	b-	51	95	7	-	-	0	Ci	2	0
Valencia (Cahirciveen)	1025.6	0	N	2	c-	56	85	8	800	St	8	-	8	0
Roches Point	1024.6	+1	NNW	1	b+	54	92	8	-	-	0	Ci	1	0
Pembroke (St. Ann's H.)	1023.2	+1	-	0	b	53	85	8	-	-	0	-	0	3
Ross-on-Wye	1021.9	0	SW	1	c-	54	95	7	-	-	0	ACu	7	•
Benson...	1021.8	0	NSW	1	ffo	51	94	9	-	St	10	-	10	•
Andover	1022.1	0	-	0	o/f	50	94	8	1500	St	10	-	10	•
S. Farnborough ...	1022.1	+1	SW	1	o	51	94	6	800	St	10	-	10	•
London (Kew Obsy.) ...	1022.4	+1	SW	2	o-	53	85	6	-	-	0	ACu	9	•
Croydon	1021.4	0	W	2	o	53	94	6	5/00	StCu	10	-	10	•
Clacton-on-Sea ...	1021.4	+1	NW	2	bc	52	95	7	-	-	0	CiCu	5	0
Shoeburyness	1022.0	0	-	0	fo-	50	92	1	220	St	10	-	10	•
Grain	1022.1	+2	NNW	1	mo-	52	94	5	800	St	10	-	10	0
Lympne	1021.9	0	NW	3	bc	50	92	6	-	-	0	CiSt	4	•
Scilly (St. Mary's) ...	1023.3	+1	N'W	3	b-	56	85	8	-	-	0	-	0	3
Falmouth (Pendennis)	1022.2	+2	N	3	b	54	85	8	-	-	0	-	0	0
Plymouth (Cattewater)	1022.9	+1	W	2	o	54	85	6	1500	St	9	-	9	0
Portland Bill	1021.4	+1	N	2	bc	55	85	7	-	-	0	CiCu	5	0
Southampton (Ca. shot)	1023.0	+2	NNW	1	mo-	51	94	4	4000	StCu	10	-	10	0
Dungeness	1022.1	+1	N	2	c	54	95	8	-	-	0	CiSt	7	2
Jersey 7h }	1021.8	0	NE	2	b	54	85	6	-	-	0	ACu	3	0
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR ..... 26th June .....

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 25th	Temperature. Max. Day. 26th	Rainfall.† Night 17h.-9h. 25th-26th	Rainfall.† Day 9h.-17h. 26th	Sunshine. Sunrise to 17h. 26th	Sunshine. Sunrise to Sunset. 25th
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed.	3bc	bcb	42	55	-	-	10.9	5.1
Montrose	bcb	b	38	62	-	-	10.1	4.7
Llandudno	cb	cbbc	50	58	4		5.5	0.0
Colwyn Bay ...	bcb	b	50	58	5	-	5.4	0.4
Rhyl...	bc	bc	49	57	6	-	6.6	0.6
Southport	cbcb	bbc	49	61	+	-	6.5	3.1
Blackpool	c	bc	49	61	0.4	-	7.0	3.2
Ilkley	bm	bc	41	65	-	-	9.4	3.7
Harrogate	b	b	39	63	-	-	8.6	3.9
Skegness	ocb	b	42	58	0.2	-	10.0	1.6
Aberystwyth ...	rc	b	51	60	5	-	8.0	0.3
Bath	odr	doc	51	61	2	2	0.2	1.6
Leamington Spa ...	oc	bo	48	62	-	-	1.0	0.0
Lowestoft	b	bbc	42	55	-	-	11.8	1.0
Felixstowe	b	b	41	58	-	-	10.6	0.2
Southend	oc	co	46	59	1	-	3.5	0.0

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 25th	Temperature. Max. Day. 26th	Rainfall.† Night 17h.-9h. 25th-26th	Rainfall.† Day 9h.-17h. 26th	Sunshine. Sunrise to 17h. 26th	Sunshine. Sunrise to Sunset. 25th
			°F.	°F.	mm.	mm.	hr.	hr.
Ilfracombe	omo	ocbc	54	60	0.1 ~~10~~	-	2.3	0.8
Bude	oc	coc	54	62	1	-	3.7	2.3
Penzance	odc	bcb	56	63	Trace	0.2	*	*
Paignton	o	bcco	56	65	-	-	0.7	8.5
Torquay	c	cpcpc	57	64	-	-	1.0	8.5
Weymouth	dro	ro	50	61	2	1	0.0	2.9
Bournemouth ...	ro	o	51	57	2	1	0.0	3.0
Portsmouth (S'thsea)	od	o	52	56	1	0.4	0.0	0.6
Worthing	o	o	51	59	-	-	0.0	0.2
Brighton	o	o	49	58	-	-	0.1	0.3
Eastbourne	ooc	bc	49	58	1	-	1.9	0.6
Hastings	oc	cbcb	48	59	1	-	6.5	0.0
Folkestone	c	bc	44	57	-	-	8.2	0.0
Tunbridge Wells ...	oc	oc	45	60	2	-	1.0	0.0
Ramsgate	bcb	b	46	57	-	-	10.0	0.0
Margate	bcb	b	44	58	1	-	10.0	0.0
Deal	cbc	b	41	59	1	-	3.2	0.0

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* 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.22498 Thursday 28th June 1923.

Observations at 1300 G.M.T. 27th (columns 2–15) | Observations at 1800 G.M.T. 27th (columns 16–29)

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	1019.3	+2	NE	1	c-	52	65	7	-	-	0	CiSc	8	*	1020.1	+2	NE	1	c	50	75	7	-	-	0	A.Cu	7	0
Stornoway	1021.3	+2	WNW	2	odo	54	92	5	450	Sc	10	·	10	*	1022.2	+1	NNW	2	o	53	97	6	450	St.	10	-	10	1
Wick	1020.0	+1	SSE	1	o·	53	92	8	4000	Nb	9	·	9	*	1020.6	+1	NNW	1	c	55	85	8	4000	St.Cu	4	Ci.St	7	0
Castlebay	1023.0	+1	WNW	2	mmo	53	97	5	1500	Sc	10	·	10	*	1024.0	+2	NW	3	mmo	53	97	5	1500	St.	10	-	10	2
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.5	*	-	0	c	59	75	8	4000	St.Cu	8	-	3	*
Aberdeen	1020.5	+1	ESE	2	o	55	65	7	4000	ScCu	10	·	10	o	1021.5	+1	SE	1	o+	53	75	6	2500	St.Cu	9	-	3	0
Malin Head	1023.7	0	WNW	4	o	53	92	8	2500	Sc	7	ASc	10	*	1024.2	+1	W	3	mo	53	97	5	1500	St.	10	-	10	1
Renfrew	1021.2	+1	WNW	3	o	59	75	8	2500	Sc	10	·	10	o	1021.7	+1	WNW	3	or	60	75	8	2500	St.Cu	10	-	10	*
Edinburgh (Inchkeith)	1020.2	0	WSW	3	o/f	57	65	8	*	ScCu	4	ASc	10	*	1021.0	+1	N	1	c+	60	75	8	*	St.Cu	6	A.Cu	8	1
Leuchars	1020.1	+1	ESE	2	o	59	65	8	7000	ScCu	8	ASc	10	o	1020.9	+1	ESE	2	o	56	75	8	4000	St.Cu	10	-	10	*
Eskdalemuir	1020.0	0	NW	3	c	62	68	7	4000	Cu	8	·	8	o	1021.2	+1	NNW	2	o	57	75	7	4000	St.Cu	10	-	10	*
Tynemouth	1020.5	0	SE	1	o	57	75	6	4000	ScCu	10	·	10	*	1020.6	0	-	0	o	55	75	7	4000	St.Cu	10	-	10	1
Blacksod Point	1026.2	+1	?	4	bc	55	85	9	*	CuNb	6	·	6	*	1026.4	0	NNW	4	mo	54	92	8	*	-	0	A.St	10	1
Donaghadee	1022.9	+1	NNE	5	c-	56	95	8	2500	Sc	8	·	8	*	1023.2	0	N	3	c-	55	85	8	1500	St.	7	-	7	2
Birr Castle	1025.0	*	NW	1	o-	62	75	8	4000	ScCu	9	·	9	*	1024.5	*	NW	1	o	60	65	7	2500	St.Cu	9	-	9	*
Holyhead	1025.5	0	NNW	3	odo	54	97	6	800	Nb	10	·	10	o	1024.0	+1	-	0	o-	55	92	8	4000	St.Cu	9	-	9	0
Liverpool (Bidston)	1022.1	+1	W	4	o/r	53	92	7	1500	Nb	10	·	10	*	1022.0	0	W	4	o	56	85	7	1500	Nb	10	-	10	3
Chester (Shotwick)	1022.5	+1	WNW	5	odo	53	92	6	450	Sc	10	·	10	5	1022.6	0	WNW	5	o	56	85	7	1500	St.	10	-	10	*
Spurn Head	1021.0	-2	ENE	4	o	56	75	7	4000	ScCu	6	ASc	10	*	1020.8	+1	SE	2	o	57	85	7	-	-	0	A.St	10	2
Birmingham (Edgbaston)	1021.9	0	WNW	4	o	59	55	7	5700	ScCu	10	·	10	o	1022.2	0	NNW	4	o	54	92	6	1500	CuNb	10	-	10	*
Nottingham	1020.3	+1	WNW	3	b	63	65	8	4000	Cu	1	Ci	2	*	1020.0	0	WNW	3	bc-	63	75	8	-	-	0	A.Cu	4	*
Cranwell	1020.6	-2	SSW	3	bc	66	55	6	2500	Cu	6	·	6	o	1020.4	0	NWN	2	o	60	75	6	3500	St.	10	-	10	*
Gorleston	1021.5	+1	-	0	o+	54	65	7	5700	ScCu	10	·	10	*	1020.7	-1	SSE	3	o	54	85	7	5700	St.Cu	10	-	10	1
Valencia (Cahirciveen)	1026.1	+1	NNW	4	c	61	85	8	1500	ScCu	3	CiSc	7	o	1026.6	+1	NNW	4	c+	58	75	8	2500	St.Cu	4	A.St	8	0
Roches Point	1025.0	0	SSW	1	o	62	85	8	2500	ScCu	10	·	10	*	1026.1	0	SSW	1	o	56	97	8	2500	St.Cu	10	-	10	0
Pembroke (St. Ann's H.)	1024.1	+1	NW	3	bc+	58	75	8	-	-	0	ASc	9	*	1022.9	-1	NW	2	b	56	85	8	-	-	0	Ci.St	2	2
Ross-on-Wye	1021.5	0	NE	2	o	65	45	9	·	·	0	ASc	10	o	1021.6	0	NWN	3	o	62	65	8	2500	St.Cu	10	-	10	*
Benson	1021.1	0	NW	2	o	64	65	6	*	St.	10	-	10	o	1020.8	0	NNW	3	o	63	55	7	*	-	0	A.St	10	*
Andover	1021.6	0	WSW	3	o	61	75	6	1500	Sc	10	·	10	o	1020.7	-1	NW	3	o	64	55	8	5700	St.Cu	10	-	10	*
S. Farnborough	1021.5	0	WSW	3	o	64	65	6	1500	ScCu	5	ASc	10	o	1020.3	-1	W	2	o	64	65	7	2500	St.Cu	2	A.Cu	10	*
London (Kew Obsy.)	1021.6	0	SW	2	o	62	65	7	4000	Cu	6	ACu	10	o	1020.4	-1	NW	2	o	65	55	7	4000	St.Cu	3	A.St	10	*
Croydon	1021.4	0	WSW	3	o	59	75	7	2500	Cu	5	ASc	10	o	1020.3	-1	WSW	2	o/r	61	75	6	7200	St.Cu	9	-	9	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.0	-1	E	3	o-	52	85	7	7200	St.Cu	10	-	10	0
Shoeburyness	1021.8	0	ENE	1	oPr	54	85	8	450	CuNb	8	ASc	10	*	1021.1	-2	ENE	1	o/r	54	65	8	1500	St.	10	-	10	*
Grain	1021.7	-1	ESE	3	o/r	58	92	5	2500	CuNb	10	·	10	5	1020.8	-1	NE	2	o	56	92	6	2500	St.	10	-	10	0
Lympne	1022.1	-1	SW	3	o	55	75	8	1500	Sc	10	·	10	o	1021.3	-1	WSW	2	oro	54	85	7	4000	Nb	10	-	10	*
Scilly (St. Mary's)	1024.2	+2	NNE	3	bc+	62	75	8	4000	Cu	2	Ci	4	*	1024.1	0	NW	3	bc	60	75	8	4000	Cu	3	Ci	5	3
Falmouth (Pendennis)	1024.0	0	N	4	b	64	55	8	·	·	0	·	0	*	1023.5	0	NW	3	b	60	65	8	-	-	0	-	0	0
Plymouth (Cattewater)	1023.0	0	S	3	b	61	85	7	4000	ScCu	2	·	2	o	1022.3	0	NNW	3	b	62	65	8	-	-	0	Ci	1	0
Portland Bill	1022.4	+2	WNW	2	bc-	60	85	7	-	·	0	CiCu	4	*	1022.4	-2	W	3	b-	57	85	7	-	-	0	CiCu	3	0
Southampton (Calshot)	1022.6	0	SWS	4	o	60	65	8	4000	ScCu	10	·	10	o	1021.3	-1	SW	4	o	57	92	6	5700	St.Cu	6	A.Cu	10	0
Dungeness	1021.9	0	SW	4	c+	58	68	7	4000	ScCu	5	ACu	8	*	1021.2	-1	SW	4	o/p	56	85	7	4000	Nb	10	-	10	4
Jersey	1022.0	0	NE	2	b	65	85	6	-	-	0	-	0	*	1022.3	0	NE	2	b	63	65	8	-	-	0	-	0	0

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. 28th.										
Kew	cmo	ocoy	oybcbo	*	*	41	-	-	2.1	*	*
Croydon (24 hours ended 0700)	co0m	ZoZR	omzco	*	*	43	Tr	Tr	0.7	*	*
Greenwich (Royal Obsy.)	o	o	bmwo	66	49	40	-	-	0.8	61	65
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.9	*	*
Westminster (St. James' Pk.)	*	*	*	66	52	49	-	-	0.9	62	52
Regent's Pk. (Botanic Gdns)	*	*	*	*	*	*	*	*	0.8	*	*
Camden Square	bco	oc	*	67	52	50	-	-	*	*	59
Kensington Palace	c	co	*	65	51	45	-	-	*	54 (15h)	55
Hampstead Observatory	*	*	*	64	50	41	-	-	1.9	*	61

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 Hrs. ended 1800 G.M.T. 27th

South Kensington: Max.	Time	Min.	Time
0.3	26h. 26	0.3	1h. 27
0.6	6h. 27		

Kew Observatory: Max.	Time	Min.	Time
0.3	26h. 26	<0.3	18h. 26
0.6	7h. 27		

Pole Star Record at Greenwich Obsy. Exposure from 27th 21 h. 45 m. to 28th 01 h. 50 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	4 5	1 50	41
δ Ursae Minoris	4 5	1 34	35

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=Relating to day in 1300 and 1800 reports (Hoar frost in 0700 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) at Croydon.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	5	-	45
18h.	C₁C₂	5	-	70
01h.	C₁C₁	5	-	90
07h.	C	5	-	60

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 28th & 29th June, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.34 / 3.34	11.56 / 11.56	8.18 / 8.18
Greenwich	3.47 / 3.47	12.3 / 12.3	8.19 / 8.19
Wick	3.9 / 3.10	12.15 / 12.15	9.20 / 9.20
Valencia	4.15 / 4.15	12.44 / 12.44	9.3 / 9.3

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.
tp 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.
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, 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.

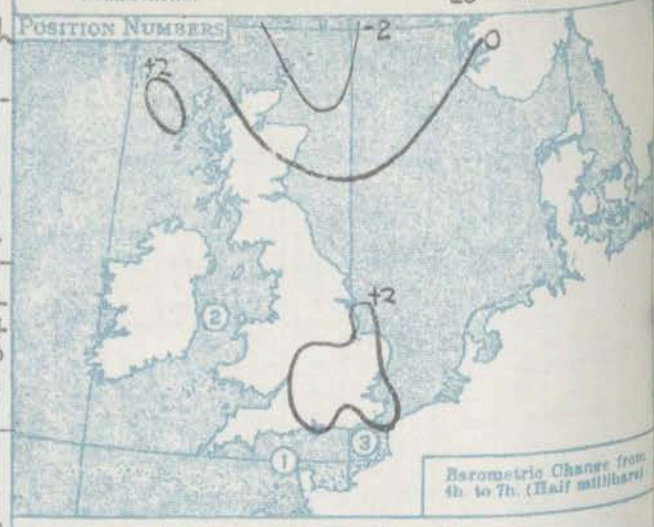
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[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. 27th	13h.-18h. 27th	18h. 27th to 1h. 28th	1h.-7h. 28th	Temperature. Max. Day. 7h.-13h.	Min. Night. 18h.-7h.	Min. on Grass	Rainfall.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	Sun. 27th Hours.
Lerwick	c	4c	bc	omd	53	46	•	-	Trace	-	06.30	8·0
Stornoway	p	oo	m	oo	55	48	•	0·2	-	-	-	0·0
Wick	oo	oo	oo	oo	56	48	•	-	-	-	-	•
Castlebay	omoff	odcff	ofom	omdc	54	49	•	0·2	0·2	-	-	0·0
Nairn	cg	cg	cbc	bcb	59	54	•	-	-	-	-	0·8
Aberdeen	oo	oco	o	oo	58	50	49	-	-	-	-	0·4
Malin Head	cov	oo	wifo	imD	55	49	•	-	0·3	-	01.30	0·1
Renfrew	oo	oo	c	coc	64	49	38	-	-	-	-	1·4
Edinburgh (Inchkeith)	oo	oo	oo	om	62	51	51	-	-	-	-	3·4
Leuchars	bcco	ocoo	oc	c	61	51	46	-	-	-	-	4·3
Eskdalemuir	ococ	co	oopo	oo	65	52	50	-	Trace	-	<21.00	3·2
Tynemouth	oo	oo	oo	om	58	52	49	-	-	-	-	•
Blacksod Point	c	c	c	c	59	49	•	-	-	-	-	•
Donaghadee	c	c	c	cp	57	52	•	0·1	0·3	20800	07.30	•
Birr Castle	occo	c	o	cold.	63	53	52	-	0·1	-	-	0·4
Holyhead	cco	moid.	oo	oo	57	52	52	Trace	-	1330	-	2·6
Liverpool (Bidston)	od.	od.	oo	oo	56	51	50	Trace	-	1330	-	0·5
Chester (Shotwick)	ocdm	oido	oo	oo	57	52	50	Trace	-	1100	-	0·4
Spurn Head	c	oo	c	bco	59	48	•	-	-	-	-	0·6
Birmingham (Edgbaston)	oo	co	bcc	cof	62	52	48	-	-	-	-	0·2
Nottingham	b-bc	b.bc	bco	om	65	54	52	-	-	-	-	5·4
Cranwell	ocbbc	bco	om	o	67	51	49	-	-	-	-	5·8
Gorleston	bcco	oo	ov	cbc	59	51	43	-	-	-	-	4·0
Valencia (Cahirciveen)	c	c	coc	cbcb	63	50	46	-	-	-	-	6·7
Roches Point	bbco	oo	ob	bo	68	53	•	-	-	-	-	•
Pembroke (St. Ann's H.)	b-bc	b.bc	oo	oo	61	54	•	-	-	-	-	11·4
Ross-on-Wye	bbcov	ovcyo	oo	oo	67	55	53	-	-	-	-	3·5
Benson	o3	o	oo	oo	67	44	37	-	-	-	-	•
Andover	omv	opomo	oyo	oom	66	46	39	Trace	-	1330	-	0·4
S. Farnborough	oo	oo	oo	oo	67	45	41	-	-	-	-	0·1
London (Kew Obsy.)	cmo	ocoy	oybcb	bcoow	66	51	41	-	-	-	-	2·1
Croydon	co	zozr.	omzco	om	65	50	43	Trace	Trace	1530	-	0·7
Clacton-on-Sea	bccop	ogupo	o	ocm	54	50	49	1	-	0900	-	2·0
Shoeburyness	oprd	opoto	o	o	57	48	40	0·5	-	1100	-	0·1
Grain	omgpr	ormgd	obcm	cmom	58	49	46	1	-	1100	-	0·3
Lympne	bccom	ocor.	ocr.	om	60	48	39	Trace	~~Trace~~ 0·1	1230	<21.00	3·1
Scilly (St. Mary's)	b	bc	bc	bcco	63	52	•	-	-	-	-	13·5
Falmouth (Pendennis)	b	b	b	cbc	65	51	•	-	-	-	-	14·0
Plymouth (Cattewater)	cb	b	b	bo	68	53	47	-	-	-	-	12·6
Portland Bill	c	b.bc	b-bc	b-bc	64	54	•	-	-	-	-	•
Southampton (Calshot)	oo	oo	omcb	oo	62	53	51	-	-	-	-	2·3
Dungeness	c	oo	c	oz	61	50	•	-	-	-	-	•
Jersey	bcb	b	b	b	67	51	•	-	-	-	-	12·3

ISALLOBARS. 28th JUNE, 1923



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Reliability.
2	27th 1000	"Cambria"	NW	3	OV	53	51	?
3	28th 0200	"Arundel"	N	2	bc	57	55	7

GENERAL INFERENCE.

The anticyclone persists off our Western Coasts and no important change is indicated. Weather will be mainly fair in all parts of the kingdom with a rising temperature.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 28th June, 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 northerly or variable winds; mainly fair; some mist morning and evening; warmer.	Mainly fair in the South; unsettled in the North. ------
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind N.W. moderate or light; fair early, risk of rain later; some coast mist; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As for 1 - 10.	

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

† For Code see opposite page

JUNE, 1923.

Low Cloud.

TEMPERATURE
WEATHER.
SEA.

Temp.		Probability
Air.	Sea.	
53	51	?
57	55	7

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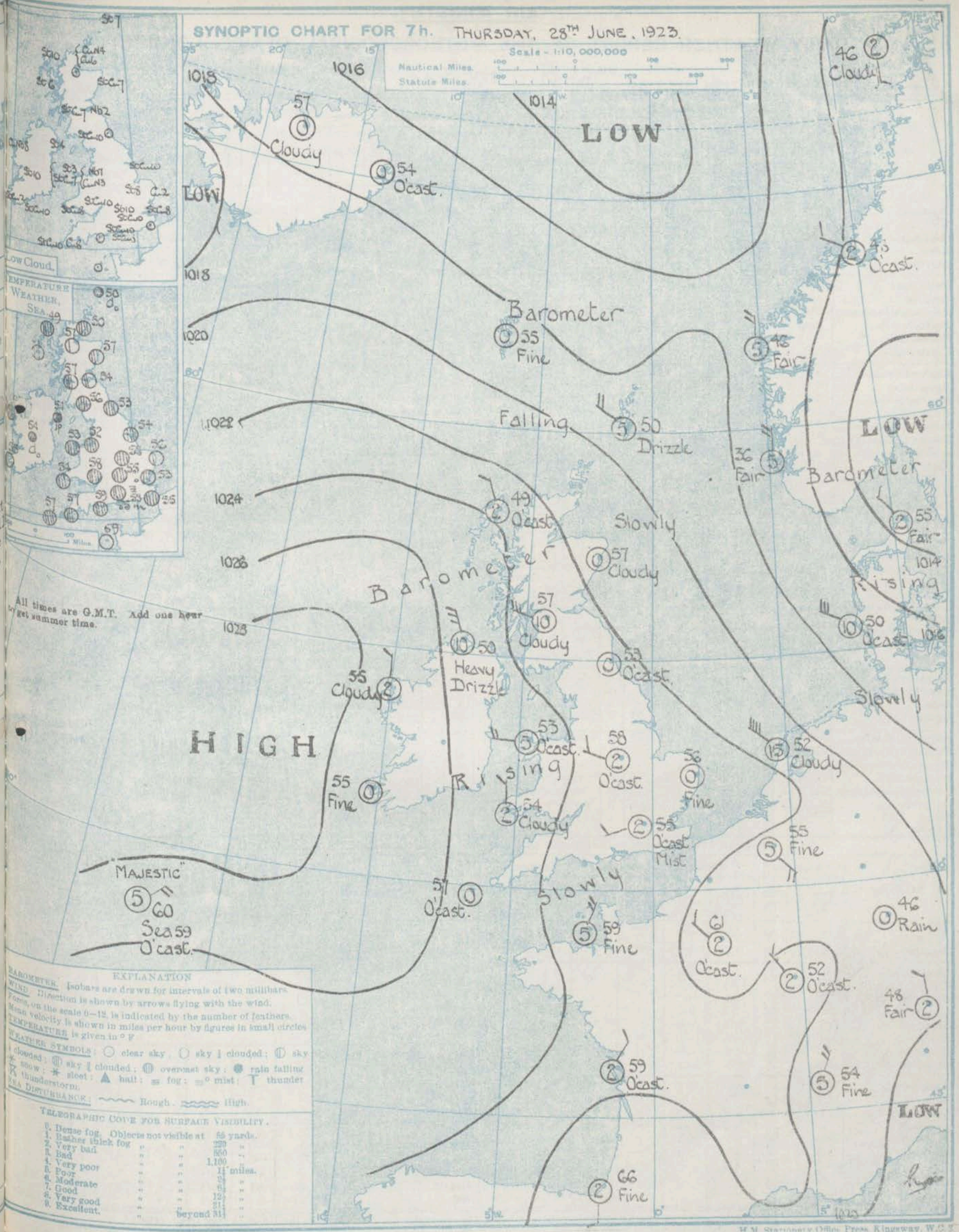
Director.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION.....Thursday, 28th June.....1923. No. 149.

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	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1019.9	-1	-	0	0+	47	85	8	5700	StCu	8	ACu	10	•
Stornoway	1023.5	+2	W	3	mo	•	•	4	•	•	•	•	•	•
Wick	1021.0	-1	NNW	2	o	51	97	7	?	?	?	?	?	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1024.9	0	NNW	2	mmo	52	97	5	1500	St	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1022.8	+2	-	0	0+	53	75	8	-	StCu	10	-	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1022.9	0	-	0	0	53	75	6	2500	St	10	-	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1024.6	+1	NNW	1	0	53	97	8	4000	StCu	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1021.8	+2	E	2	0	53	75	7	4000	StCu	10	-	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1023.2	+2	-	0	0	53	97	6	4000	StCu	10	-	10	•
Gorleston	1021.7	0	E'S	1	0	52	92	8	5700	StCu	10	-	10	•
Valencia (Cahirciveen)	1027.5	+1	NE'E	2	0	53	97	9	-	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1024.6	0	-	0	0	56	85	8	4000	StCu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...		•	•	•	•	53	•	•	•	•	•	•	•	•
Croydon	1022.1	+2	W	1	0	50	97	6	7200	StCu	3	ACu	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1025.5	0	N	3	0	52	85	7	4000	StCu	10	-	10	•
Scilly (St. Mary's) ...	1024.9	+1	NNE	2	bc	53	92	8	4000	Cu	3	Ci	5	•
Falmouth (Pendennis)	1025.7	+2	N	2	b	53	92	8	-	-	0	-	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1022.7	+2	N	2	b-	56	85	7	-	-	0	CiCu	1	•
Southampton (Calshot)	1022.7	+1	N	3	b-	56	85	8	-	-	0	ACu	2	•
Dungeness	1021.3	0	N	3	c	53	85	7	-	-	0	CiSt	7	•
Jersey 7h }														•
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	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1018.3	-2	NW	2	cd	50	92	6	800	St	7	-	7	1
Stornoway	1024.1	+2	NNW	1	o	49	92	7	800	St	10	-	10	1
Wick	1020.5	-1	NW	3	o	50	97	8	2500	Cu	10	-	10	0
Castlebay	1025.5	+1	NW	4	c-	51	85	8	2500	St	6	ASt	7	3
Nairn	1022.6	•	WNW	3	b-	57	75	8	-	-	0	ACu	3	•
Aberdeen	1021.2	-1	-	0	c-	57	85	7	4000	StCu	7	-	7	0
Malin Head	1025.8	0	NNW	3	oD	50	97	7	4000	Nb	7	ASt	10	1
Renfrew	1023.4	+1	WNW	3	c-	57	75	8	1500	StCu	7	-	7	•
Edinburgh (Inchkeith)	1022.8	0	WSW	1	mbc	54	92	4	-	Nb	2	ACu	5	1
Leuchars	1021.8	0	W	2	c	59	75	8	7200	StCu	6	ACu	8	•
Eskdalemuir	1022.9	0	S'E	1	o	56	85	6	1500	StCu	10	-	10	•
Tynemouth	1022.8	0	-	0	o	53	85	6	-	-	0	ASt	10	1
Blacksod Point ...	1028.9	0	N	1	c	55	85	8	-	CuNb	8	-	8	0
Donaghadee	1027.8	+1	N	2	cjp	54	97	8	2500	St	4	CiSt	7	3
Birr Castle	1026.2	•	NW	1	cdo	54	97	6	450	St	10	-	10	•
Holyhead	1025.1	+1	W	2	o	53	97	7	800	StCu	10	-	10	•
Liverpool (Bidston) ...	1024.2	+1	WNW	2	o	52	92	6	1500	Nb	10	-	10	•
Chester (Shotwick) ...	1024.3	+1	NW	4	o	54	85	7	800	St	10	-	10	•
Spurn Head	1023.8	+2	NNE	1	o	54	75	7	4000	StCu	10	-	10	1
Birmingham (Edgbaston)	1024.3	+2	NNW	2	ffo	54	92	3	1500	St	10	-	10	•
Nottingham	1023.2	+1	WNW	1	o	58	75	5	1500	St	8	ACu	10	•
Cranwell	1023.4	+1	E	1	o	55	75	7	5700	StCu	10	-	10	•
Gorleston	1022.2	0	-	0	b-	56	75	7	4000	Cu	2	-	2	0
Valencia (Cahirciveen)	1027.8	+1	-	0	b-	55	85	8	2500	StCu	2	-	2	0
Roches Point	1026.4	+1	WNW	1	o	55	92	8	4000	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1025.1	+1	N	1	c	54	92	8	4000	StCu	8	-	8	3
Ross-on-Wye	1024.0	+1	N'E	2	o	58	75	8	4000	StCu	10	-	10	•
Benson...	1023.2	+1	-	0	o	55	97	6	-	St	10	-	10	•
Andover	1023.2	0	N	2	o	56	92	6	1500	St	10	-	10	•
S. Farnborough ...	1023.0	+1	-	0	o	55	92	6	7200	StCu	10	-	10	•
London (Kew Obsy.) ...	1023.4	+2	WSW	1	mo-	55	85	4	4000	StCu	10	-	10	•
Croydon	1023.0	+1	-	0	mmo	52	97	4	4000	StCu	10	-	10	•
Clacton-on-Sea ...	1022.5	+2	N	3	c	53	97	6	7200	StCu	8	-	8	0
Shoeburyness	1022.7	+1	NE	2	o	57	75	7	4000	StCu	9	-	9	•
Grain	1023.6	+2	N'W	3	o	56	85	6	7200	StCu	10	-	10	0
Lympne	1022.3	+2	N	3	o	53	92	5	800	St	10	-	10	•
Scilly (St. Mary's) ...	1025.5	0	-	0	o	57	85	8	4000	StCu	10	-	10	0
Falmouth (Pendennis)	1025.6	+1	N	2	c-	57	92	7	4000	Cu	8	-	8	0
Plymouth (Cattewater)	1024.3	0	N	1	o	57	85	7	-	-	0	ACu	10	0
Portland Bill	1023.3	+1	N	1	o+	59	75	7	-	-	0	ACu	9	0
Southampton (Calshot)	1023.9	+2	NNW	2	o	56	85	6	4000	StCu	8	ACu	10	0
Dungeness	1022.3	+1	NNE	3	o	55	85	6	-	-	0	ASt	10	3
Jersey 7h }	1022.9	0	NNE	2	b	59	75	8	-	-	0	-	0	0
Guernsey 1h }														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 26th	Temperature. Max. Day. 27th	Rainfall.† Night 17h.-9h. 26th-27th	Rainfall.† Day 9h.-17h. 27th	Sunshine. Sunrise to 17h. 27th	Sunshine. Sunrise to Sunset. 26th
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick	zbcc	zbcc	43	57	-	-	2.1	12.2
Montrose	c	o	45	57	-	-	0.1	10.8
Llandudno	o	do	51	56	-	-	0.9	8.1
Colwyn Bay ...	c	c	50	55	-	-	1.2	7.9
Rhyl	o	o	50	58	-	-	1.1	8.9
Southport	acbc	bcc	52	58	-	-	2.0	8.6
Blackpool	oc	bcc	50	61	-	-	3.0	9.2
Ilkley	bcbbc	b	45	57	-	-	6.2	9.6
Harrogate	c	oc	45	65	-	-	1.7	3.0
Skegness	oc	co	45	60	-	-	2.2	12.0
Aberystwyth ...	ooc	b	46	57	-	-	3.0	10.3
Bath	bcco	occ	52	67	-	-	2.5	1.9
Leamington Spa ...	ocbc	ocbo	45	63	-	-	0.3	1.0
Lowestoft	o	o	47	56	-	-	3.5	13.3
Felixstowe	og	opg	43	63	-	2	2.1	11.0
Southend	og	go	47	59	-	0.1	0.5	3.5
Ilfracombe	acbc	bcb	50	60	-	-	1.5	3.4
Bude	ocbcb	bco	44	61	-	-	1.5	4.9
Penzance	b	b	50	66	-	-	0	5.2
Paignton	acbc	bc	55	70	-	-	0.5	1.3
Torquay	cobc	b	55	70	-	-	1.0	0.0
Weymouth	bbc	bbc	50	66	-	-	3.5	
Bournemouth ...	bc	bcc	44	66	-	-	3.4	1.2
Portsmouth (S'thsea)	bc	co	47	65	-	-	2.2	0.0
Worthing	bo	cbco	42	63	-	-	3.8	0.6
Brighton	b	coco	42	60	-	-	1.4	1.1
Eastbourne	bbc	coc	43	62	-	-	6.3	3.2
Hastings	bcbc	bbco	4[illegible]	63	-	-	1.2	7.9
Folkestone	bc	o	46	62	-	-	3.4	9.9
Tunbridge Wells ...	cbc	oco	40	63	-	-	3.7	1.1
Ramsgate	bcco	o	44	58	-	-	0.9	11.5
Margate	o	o	48	57	-	-	0.0	13.4
Deal	cbc	oo	44	63	-	-	1.9	9.7

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* 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. 822.499 Friday 29th June 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	1017.4	0	NNE	2	b.	55	75	8	5700	St.Cu	2	Ci.Cu	3	*
Stornoway	1024.5	+1	NNW	3	0	55	85	7	800	St	10	–	10	*
Wick	1020.4	0	WNW	4	0	53	85	8	2500	Cu.Nb	7	Ci.St	10	*
Castlebay	1026.1	+1	NW	3	ojp	53	97	8	1500	St	10	–	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1021.1	0	NW	3	b	67	55	8	–	–	0	Ci	2	0
Malin Head	1026.1	+1	NW	3	c	51	85	9	5700	Cu	8	–	8	*
Renfrew	1022.4	−2	WSW	3	c	67	55	8	2500	St.Cu	2	Ci	8	0
Edinburgh (Inchkeith)	1021.3	0	WSW	1	bc-	63	65	7	–	Cu	1	Ci.St	4	*
Leuchars	1020.2	−1	ENE	2	b	67	65	8	5700	Cu	2	Ci.St	3	0
Eskdalemuir	1021.9	0	N'S	3	c	64	65	7	4000	Cu	5	Ci	7	0
Tynemouth	1021.5	−1	–	0	0	61	75	6	1500	St	10	–	10	*
Blacksod Point	1027.2	0	NW	1	c	59	75	9	*	*	*	*	8	*
Donaghadee	1029.1	0	NNE	3	c	54	85	8	2500	St	7	–	7	*
Birr Castle	1026.4	*	NW	1	0-	63	75	8	4000	St.Cu	9	–	9	*
Holyhead	1025.7	0	NNW	1	0	58	85	8	4000	St.Cu	10	–	10	0
Liverpool (Bidston)	1024.6	0	WNW	4	bc-	58	75	8	4000	St.Cu	2	Ac	5	*
Chester (Shotwick)	1024.7	0	NW	5	c-	60	75	8	2500	St.Cu	8	–	8	0
Spurn Head	1022.6	−1	SE	3	0	59	85	6	1500	St.Cu	10	–	10	*
Birmingham (Edgbaston)	1024.0	0	WNW	3	0	60	75	6	4000	St.Cu	10	–	10	0
Nottingham	1022.5	−1	NW	2	c	65	75	7	4000	Cu	1	Ci.St	7	*
Cranwell	1022.8	−1	W'N	2	0	62	75	6	4000	St	10	–	10	0
Gorleston	1022.6	0	E'S	1	0+	57	75	7	5700	St.Cu	3	Ci.Cu	8	*
Valencia (Cahirciveen)	1026.9	0	N	3	0+	61	85	8	4000	St.Cu	7	A.St	10	0
Roches Point	1026.2	0	SW	1	0	60	85	8	4000	St.Cu	10	–	10	*
Pembroke (St. Ann's H.)	1025.4	0	NNW	3	bc	63	65	8	4000	Cu	3	Ci	4	*
Ross-on-Wye	1023.7	0	NNW	1	0	63	65	8	4000	St.Cu	10	–	10	0
Benson	1023.0	−1	NW	2	0	67	65	6	*	St.Cu	10	–	10	0
Andover	1023.2	0	N	2	0	65	65	6	4000	St.Cu	10	–	10	0
S. Farnborough	1022.9	−1	W	1	0	64	65	6	4000	Cu	5	A.St	10	0
London (Kew Obsy.)	1023.1	0	NNW	2	0	66	55	8	4000	St.Cu	8	Ac.Cu	10	0
Croydon	1022.9	0	N'E	2	0	65	65	8	4000	St.Cu	10	–	10	0
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1023.5	+1	SE	2	c+	60	75	8	7200	Cu	6	Ac.Cu	8	*
Grain	1023.1	0	E'N	3	c-	59	75	7	4000	St.Cu	5	A.St	7	0
Lympne	1023.1	0	NE'N	3	c	63	65	8	4000	Cu	4	Ci.St	8	0
Scilly (St. Mary's)	1025.1	0	NNE	2	b	64	75	8	4000	Cu	2	Ci	3	*
Falmouth (Pendennis)	1025.4	0	N	4	bc	65	55	8	4000	Cu	5	–	5	*
Plymouth (Cattewater)	1024.0	0	N	2	0	66	65	8	4000	St.Cu	10	–	10	0
Portland Bill	1024.2	0	WSW	3	bc-	61	75	6	–	–	0	Cu	4	*
Southampton (Calshot)	1023.5	0	NW	2	0	64	65	6	4000	St.Cu	10	–	10	0
Dungeness	1023.2	+1	E	3	bc-	62	65	7	4000	Cu	2	Ci	6	*
Jersey	1023.2	0	NNE	2	b	64	65	8	–	–	0	–	0	*

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	1018.5	+2	N	2	c	50	75	7	4000	Cu	7	–	7	1
Stornoway	1024.7	0	NNW	3	0	54	85	7	800	St.	10	–	10	2
Wick	1020.7	0	NW	4	0	52	92	7	1500	St.	10	–	10	3
Castlebay	1026.1	0	NNW	1	ojp	52	97	7	1500	St.	10	–	10	2
Nairn	1023.3	*	NNW	3	bc+	60	65	8	4000	Cu	4	A.Cu	6	*
Aberdeen	1020.6	0	WNW	3	bc+	62	65	8	2500	Cu	2	A.Cu	4	0
Malin Head	1026.5	0	NNW	3	c	50	97	8	2500	St.	7	A.Cu	8	1
Renfrew	1022.1	0	W	3	c	65	55	9	–	–	6	A.St	8	*
Edinburgh (Inchkeith)	1020.8	−2	NW	2	bc+	63	65	7	*	St.Cu	3	Ci	6	2
Leuchars	1021.6	+3	E	3	c+	55	85	7	–	–	0	A.St	7	*
Eskdalemuir	1021.5	0	WSW	3	bc-	63	75	8	4000	Cu	2	Ci	4	*
Tynemouth	1021.2	0	–	0	b	62	75	6	–	–	0	Ci.Cu	3	0
Blacksod Point	1017.4	0	NW	2	bc	58	75	9	*	*	*	*	6	0
Donaghadee	1024.1	−1	NNW	3	bc-	55	75	8	–	–	0	A.Cu	4	3
Birr Castle	1026.2	*	NW	1	0	61	75	8	4000	St.Cu	9	–	9	*
Holyhead	1025.3	−1	NW	1	0-	56	85	9	2500	St.Cu	10	–	10	0
Liverpool (Bidston)	1024.3	0	WNW	3	0+	55	85	6	1500	Cu.Nb	10	–	10	3
Chester (Shotwick)	1024.5	−1	NNW	4	0+	57	85	7	1500	St.	10	–	10	*
Spurn Head	1021.8	−1	SE	2	c-	57	92	6	1500	Cu	7	–	7	1
Birmingham (Edgbaston)	1023.2	−1	NNW	4	bc-	62	65	6	4000	Cu	1	Ci	5	*
Nottingham	1022.3	0	NW	3	bc-	63	75	7	–	–	0	Ci	4	*
Cranwell	1022.3	−1	W	3	c+	64	75	6	2500	St.	6	A.St	8	*
Gorleston	1022.3	0	S'E	2	0	57	75	7	5700	St.Cu	10	–	10	0
Valencia (Cahirciveen)	1027.0	0	NW	2	c-	60	75	8	4000	St.Cu	7	–	7	0
Roches Point	1025.9	0	S	1	0	58	92	8	4000	St.Cu	10	–	10	0
Pembroke (St. Ann's H.)	1025.0	−1	N	3	c+	61	65	8	4000	St.Cu	4	Ci	7	3
Ross-on-Wye	1023.2	−1	N	1	c	65	65	9	4000	St.Cu	7	Ci.Cu	8	*
Benson	1022.3	−1	NW	3	bc-	68	55	7	2500	Cu.Nb	4	Ci	6	*
Andover	1022.9	0	NNW	3	bc-	67	65	8	4000	Cu	3	Ci	5	*
S. Farnborough	1022.5	−1	N'E	1	b-	66	65	6	4000	Cu	2	–	2	*
London (Kew Obsy.)	1022.5	−1	NNW	1	0	66	55	6	4000	St.Cu	9	–	9	*
Croydon	1022.5	0	NW	2	0+	65	65	6	2500	St.Cu	8	A.St	10	*
Clacton-on-Sea	1022.9	−1	SE	3	c+	58	85	6	7200	St.Cu	7	–	7	0
Shoeburyness	1021.7	−1	E	1	0+	60	65	7	4000	St.Cu	10	–	10	*
Grain	1022.6	−1	E	1	0+	61	75	7	4000	St.Cu	10	–	10	0
Lympne	1023.2	+1	SE'E	2	b-	55	85	7	–	–	0	Ci.St	3	*
Scilly (St. Mary's)	1025.9	0	NE	2	b	64	65	9	7200	Cu	1	Ci	2	0
Falmouth (Pendennis)	1025.8	0	N	3	b	63	55	8	5700	Cu	3	–	3	0
Plymouth (Cattewater)	1023.5	−1	NW	3	b-	65	65	8	4000	St.Cu	1	–	1	0
Portland Bill	1023.8	0	W	2	c+	61	75	6	2500	St.Cu	7	–	7	0
Southampton (Calshot)	1023.0	−1	WSW	3	bc-	63	75	6	5700	St.Cu	6	–	6	0
Dungeness	1023.2	0	–	0	b-	57	85	7	–	–	0	Ci.Cu	3	2
Jersey	1023.6	0	NNE	2	b	64	65	8	–	–	0	–	0	0

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	bzoy	oyoz	ozwbm	*	*	40	–	–	3.1	*	*
Croydon	co⊕y	ocyz	ozbm	*	*	41	–	–	2.1	*	*
Greenwich (Royal Obsy.)	oc	o	obw	72	51	41	–	–	1.7	47	65
City (Bunhill Row)	*	*	*	*	*	*	*	*	1.8	*	*
Westminster (St. James' Pk.)	*	*	*	71	52	49	–	–		47	65
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	3.0	*	*
Camden Square	bcc	oco	*	71	51	49	–	–	*	*	68
Kensington Palace	bco	o	*	70	51	45	–	–	*	68(18h)	67
Hampstead Observatory	*	*	*	70	60	39	–	–	3.6	*	68

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 28th

South Kensington Max.	Time.	Min.	Time.
0.6	27h 1700	0.3	28h 1200
1.0	28h 0600		

Kew Observatory Max.	Time.	Min.	Time.
0.5	28h 0200	<0.3	28h 1300
0.6	28h 0900		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 25th 21h 45m to 29th 6h 15m

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	4·30	4·25	98
δ Ursæ Minoris	4·30	4·12	93

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=Sleating 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 min.	Strength.	Direc.
13h.	C	5	–	45
18h.	C_1C_2	5	–	180
01h.	C	6	–	110
07h.	C	5	–	100

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

29th–30th June, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·34	11·56	8·18
	3·35	11·56	8·17
Greenwich	3·47	12·3	8·19
	3·48	12·3	8·18
Wick	3·10	12·15	9·20
	3·10	12·15	9·19
Valencia	4·25	12·44	9·3
	4·26	12·44	9·2

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 hall. 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; ↕ = 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.

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.

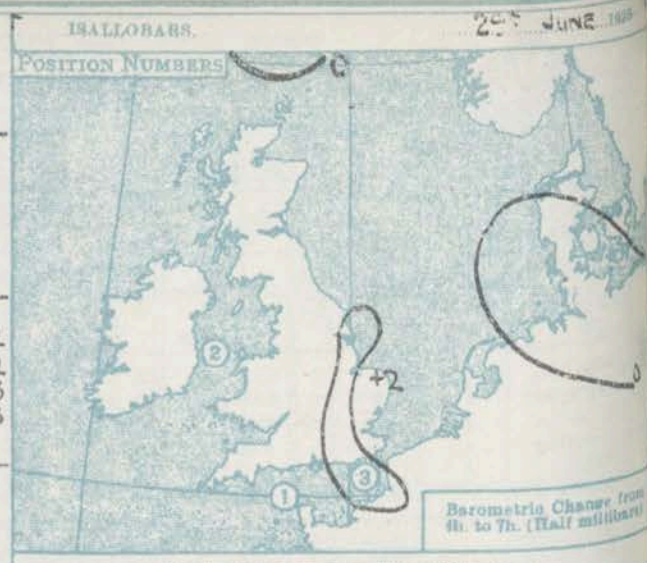
The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

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. 28th	WEATHER. 13h.-18h. 28th	WEATHER. 18h. 28th to 1h. 29th	WEATHER. 1h.-7h. 29th	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	b	c	o	o	57	44	•	-	-	-	-	9·6
Stornoway	o	oo	c	oo	57	51	•	-	-	-	-	1·9
Wick	o	oo	oid.	oo	54	49	•	-	Trace	-	<21·00	•
Castlebay	com	om	omo	o	55	51	•	-	-	-	-	4·8
Nairn	bbc	bc	bccd	cd	63	46	•	-	-	-	-	11·6
Aberdeen	coby	b.bc	co	o	68	52	49	-	-	-	-	9·8
Malin Head	cov	cov	p.ocv	dkllo	53	49	•	-	Trace	-	<21·00	2·7
Renfrew	coey	cy	oc	cm	69	43	35	-	-	-	-	8·2
Edinburgh (Inchkeith)	mmbc	bc	c	cm	67	49	38	-	-	-	-	8·2
Leuchars	cbcb	bcbcc	cbc	b-bc	71	40	27	-	-	-	-	10·3
Eskdalemuir	ococo	Cbc	c	c	69	38	36	-	-	-	-	8·3
Tynemouth	o	c	bm	ocF	63	48	42	-	-	-	-	•
Blacksod Point ...	c	c	c	c	60	47	•	-	-	-	-	•
Donaghadee	c	bc	bc	c	56	48	•	-	-	-	-	•
Birr Castle	co	co	co	co	65	44	35	-	-	-	-	0·8
Holyhead	o	oov	ocbc	bcc	59	50	41	-	-	-	-	2·4
Liverpool (Bidston) ...	c	bco		bco	59	50	44	-	-	-	-	3·9
Chester (Shotwick) ...	ooc	oo	oco	oo	62	49	40	-	-	-	-	2·1
Spurn Head	o	oc	cbcc	czo	60	50	•	-	-	-	-	3·1
Birmingham (Edgbaston)	omc	ombc	bc	com	64	49	44	-	-	-	-	1·5
Nottingham	c	b.bc	b	b-bcm	67	47	44	-	-	-	-	1·2
Cranwell	bcoz	o3	cm	bm	66	46	43	-	-	-	-	4·0
Gorleston	obcc	co	ocrv	bcc	60	48	44	-	0·3	-	2200	9·4
Valencia (Cahirciveen)	bbcco	oc	co	o	63	54	52	-	-	-	-	3·8
Roches Point	o	oo	oc	oc	62	56	•	-	-	-	-	•
Pembroke (St. Ann's H.)	c	bbc	b-bc	b-bc	64	51	•	-	-	-	-	10·9
Ross-on-Wye	o	ovcv	bcvb	bmbw	67	43	36	-	-	-	-	2·0
Benson...	o	ocbc	bcb	bcbz	69	41	35	-	-	-	-	•
Andover	om	omcbc	bcb	bbc	68	47	41	-	-	-	-	3·8
S. Farnborough ...	oco	ocb	b	bco	68	44	39	-	-	-	-	2·8
London (Kew Obsy.) ...	bzoy	oyo3	ozwbzw	bwzbw	68	50	40	-	-	-	-	3·1
Croydon	cobzy	ocy3	o3bm	bcbw	67	50	41	-	-	-	-	2·1
Clacton-on-Sea ...	cmc3	cbcc3	czo	ocbcz	59	50	47	-	-	-	-	9·7
Shoeburyness	bcbcc	co	bm	offcbm	63	50	46	-	Trace	-	-	8·4
Grain	ombcc	cbcco		oc	62	48	41	-	-	-	-	5·6
Lympne	ocbcm	cbcc	bcc	ocbcm	65	49	43	-	-	-	-	8·4
Scilly (St. Mary's) ...	obc	bbc	bc	bcb	66	52	•	-	-	-	-	8·9
Falmouth (Pendennis)	bc	bc	bcb	bbc	68	54	•	-	-	-	-	7·2
Plymouth (Cattewater)	cbco	ob	b	bbc	69	52	51	-	-	-	-	5·8
Portland Bill	bbc	b.bc	b-bc	b-bc	61	57	•	-	-	-	-	•
Southampton (Calshot)	o	c	omcmw	vwb	67	53	50	-	-	-	-	3·0
Dungeness	c	c	c	cz	63	52	•	-	-	-	-	•
Jersey	b	b	bw	bw	67	55	•	-	-	-	-	12·8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
1	28th 11.00	"Reindeer"	NNW	3	bc+	63	55
3	29th 0200	"Dieppe"	WNW	1	o	56	55

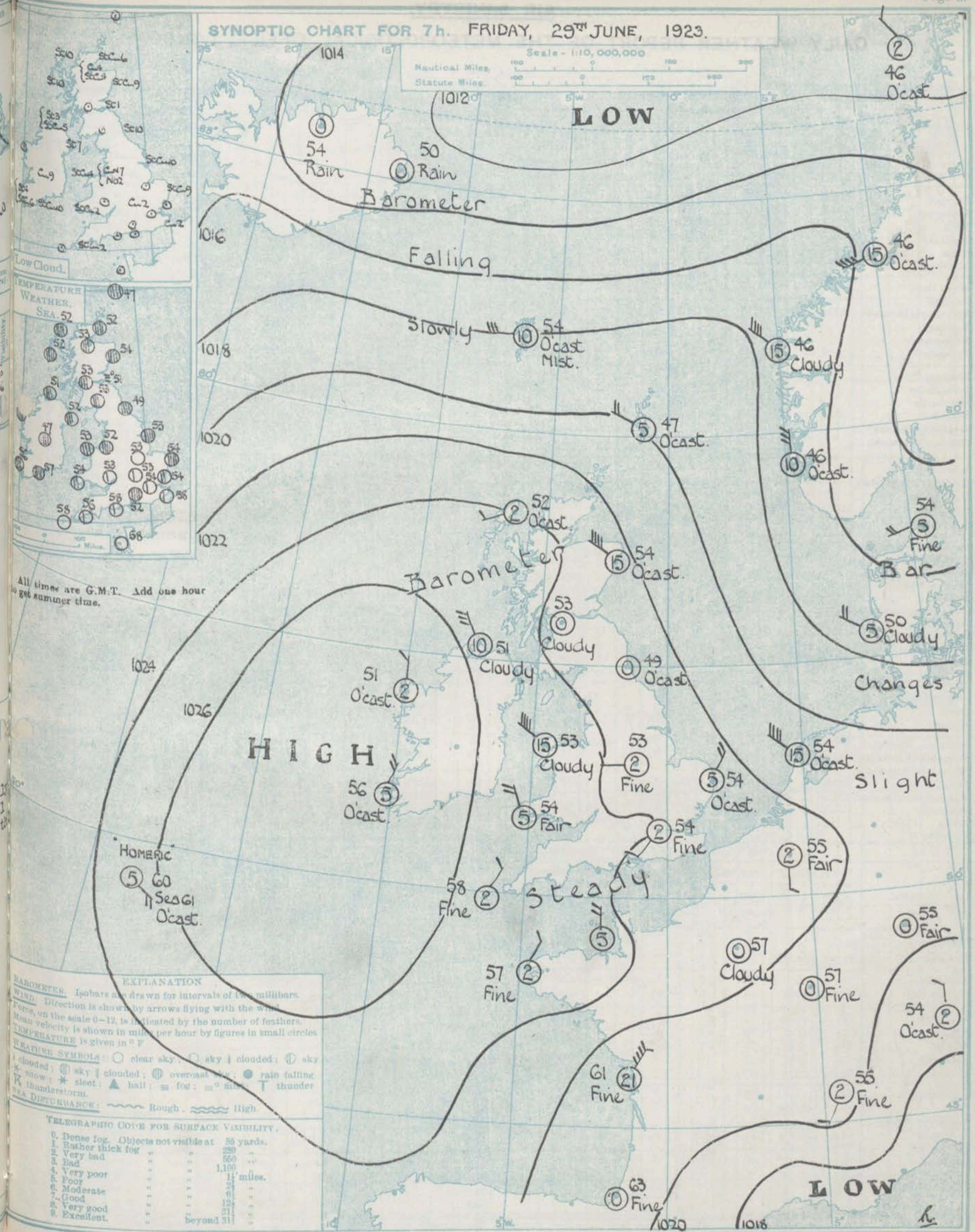
GENERAL INFERENCE.

The anticyclone centred slightly to the west of Ireland is scarcely moving. Fair warm weather with light winds is probable generally for the next day or two and is likely to continue for three or four days in the South.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 29th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light winds, mainly from N. and N.W.; fine; morning mist in places; rather warm.	Fair and rather warm generally. Mainly fair for several days in the South.
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 N.W.; fair; morning mist in places; rather warm.	

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Friday 29th June.....1923. No. 180.

Observations at 0100 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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	10198	0	NNW	2	0	46	92	7	5700	StCu	8	ASt	10	•
Stornoway	10262	+1	NW	2	0	•	•	5	•	•	•	•	•	•
Wick	10223	+1	NW	3	o/r	50	92	8	800	St	10	–	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	10265	0	NNW	3	c	52	85	8	–	–	0	ASt	8	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	10228	+1	–	0	c+	50	92	8	–	StCu	2	CiSt	8	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	10236	0	–	0	b	51	92	7	–	–	0	ACu	3	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	10253	0	–	0	bc	51	97	7	4000	StCu	2	ACu	5	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	10223	0	WNW	2	c	54	92	6	–	–	0	CiSt	8	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	10232	+1	WS	3	c	49	97	6	–	–	0	CiSt	8	•
Gorleston	10224	0	SW	1	b/r	52	92	7	–	–	0	ACu	3	•
Valencia (Cahirciveen)	10274	0	–	0	o	56	97	9	–	St	10	–	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	10215	-1	NW	1	b	53	75	8	–	–	0	CiCu	1	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	54	•	•	•	•	•	•	•	•
Croydon	10234	+1	WNW	1	b	53	85	5	–	–	0	ASt	3	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	10227	-1	W	2	o	52	92	7	2500	StCu	10	–	10	•
Scilly (St. Mary's) ...	10262	0	NE	1	b	53	97	8	4000	Cu	2	–	2	•
Falmouth (Pendennis)	10258	0	N	3	b	54	92	7	–	–	0	–	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	10243	0	NW	2	b	56	92	7	–	–	0	–	0	•
Southampton (Ca.shot)	10234	0	NWN	2	b	57	92	7	–	–	0	ACu	2	•
Dungeness	10228	0	SW	2	o+	56	85	7	2500	St	10	–	10	•
Jersey 7h }														•
Guernsey 1h }														•

Observations at 0700 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. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	10200	0	NW	2	0	47	92	7	–	–	0	ASt	10	1
Stornoway	10242	0	WSW	1	0	52	92	7	800	St	10	–	10	0
Wick	10220	0	NW	2	0	52	85	8	1500	StCu	6	CiSt	10	2
Castlebay	10234	0	NW	3	0	52	92	7	1500	St	10	–	10	•
Nairn	10240	•	–	0	c+	53	85	8	4000	StCu	8	–	8	•
Aberdeen	10231	+1	NW	4	0	54	75	8	2500	StCu	9	–	9	0
Malin Head	10257	0	NNW	3	c	51	92	9	2500	StCu	8	–	8	1
Renfrew	10234	0	–	0	c	53	85	5	–	–	0	CiSt	8	•
Edinburgh (Inchkeith)	10232	+1	S	1	mmc	51	92	6	–	St	1	CiSt	8	0
Leuchars	10229	0	S	2	bc	55	85	7	4000	Cu	1	Ci	6	•
Eskdalemuir	10236	0	–	0	c	53	85	6	–	–	0	Ci	8	•
Tynemouth	10235	0	–	0	o/f	49	97	4	1500	St	10	–	10	0
Blacksod Point ...	10273	0	N	1	o	51	85	8	•	•	•	•	10	0
Donaghadee	10249	0	NW	1	c-	52	85	8	2500	St	7	–	7	3
Birr Castle	10263	•	NW	1	o	47	97	7	2500	Cu	9	–	9	•
Holyhead	10251	0	NW	4	c	53	92	7	2500	StCu	4	ACu	7	2
Liverpool (Bidston) ...	10242	0	WNW	2	o	52	85	7	1500	CuNb	9	–	9	•
Chester (Shotwick) ...	10246	+1	WNW	3	o	54	75	8	1500	St	10	–	10	•
Spurn Head	10237	+2	–	0	o	53	92	7	4000	StCu	10	–	10	0
Birmingham (Edgbaston)	10244	+1	NNW	4	o	50	92	5	2500	StCu	10	–	10	•
Nottingham	10236	0	W	1	b	53	92	5	–	–	0	–	0	•
Cranwell	10238	+1	WNW	3	mmb	52	92	5	–	–	0	–	0	•
Gorleston	10225	0	NNE	2	o	54	85	6	5700	StCu	9	–	9	0
Valencia (Cahirciveen)	10271	+1	NNE	2	o	56	85	8	2500	StCu	10	–	10	0
Roches Point	10263	0	WNW	1	o	57	92	8	4000	StCu	10	–	10	0
Pembroke (St. Ann's H.)	10251	0	NNW	2	bc	54	92	8	4000	StCu	2	CiCu	5	2
Ross-on-Wye	10244	0	W	1	b	53	85	8	–	–	0	Ci	3	•
Benson...	10239	0	WNW	1	b	53	85	6	–	Cu	2	–	2	•
Andover	10241	0	NW	2	bc	55	85	7	–	–	0	Ci	4	•
S. Farnborough ...	10239	+1	W	1	o-	52	92	6	–	–	0	CiSt	9	•
London (Kew Obsy.)...	10241	+1	SW	1	b	54	85	6	–	–	0	CiSt	1	•
Croydon	10234	0	WNW	2	bc	53	85	6	–	–	0	CiSt	6	•
Clacton-on-Sea ...	10228	0	NW	3	bc-	54	92	6	–	–	0	CiSt	4	0
Shoeburyness	10234	0	NW	2	mb-	57	75	5	–	–	0	ASt	2	0
Grain	10233	+1	WNW	3	c	55	85	6	–	–	0	CiCu	7	•
Lympne	10230	+1	N	3	bc	54	85	5	–	–	0	CiSt	4	•
Scilly (St. Mary's) ...	10253	0	NE	1	b	58	85	9	–	–	0	–	0	1
Falmouth (Pendennis)	10249	+1	NNE	1	b+	56	85	8	4000	StCu	2	–	2	0
Plymouth (Cattewater)	10247	0	N	3	bc	57	85	7	–	–	0	Ci	5	0
Portland Bill	10241	0	NNW	2	bc	58	85	7	–	–	0	ASt	4	0
Southampton (Ca.shot)	10244	+2	N	2	b+	56	85	7	–	–	0	CiSt	2	0
Dungeness	10228	0	N	2	b-	58	75	7	4000	Cu	2	–	2	2
Jersey 7h }	10241	0	N	2	b	58	85	6	–	–	0	–	0	0
Guernsey 1h }														

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

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 27th-28th °F.	Temperature. Max. Day. 28th °F.	Rainfall.† Night 17h.-9h. 27th-28th mm.	Rainfall.† Day 9h.-17h. 28th mm.	Sunshine. Sunrise to 17h. 28th hr.	Sunshine. Sunrise to Sunset. 27th hr.
Montrose	bccb	bbc	50	68	–	–	8.3	0.1
Berwick-on-Tweed	n2cc	cbcbb	50	62	–	–	5.7	2.4
Llandudno	o	o	52	59	–	–	0.0	0.9
Colwyn Bay ...	obc	cbo	52	60	–	–	0.9	0.0
Rhyl...	o	o	52	60	–	–	0.7	1.1
Southport	oc	cbcco	53	60	–	–	4.6	2.4
Blackpool	co	bcc	53	61	–	–	4.6	3.7
Ilkley	cbc	bb	50	67	0.3	–	5.7	6.3
Harrogate	o	ob	50	67	–	–	1.6	2.0
Skegness	ocb	bbcc	47	65	–	–	7.0	2.2
Aberystwyth ...	acb	b	55	62	–	–	3.7	3.0
Bath	goc	cbcbbc	50	70	–	–	2.0	4.1
Leamington Spa ...	o	cbbcz	51	64	–	–	1.0	0.3
Lowestoft	obc	cbcco	51	59	–	–	9.5	3.6
Felixstowe	bcz	bcz	49	61	–	–	9.2	2.1
Southend	bc	bcc	51	63	–	–	6.1	0.5
Ilfracombe	ocbc	bcb	50	63	–	–	7.0	9.8
Bude	wc	bcb	48	63	–	–	8.4	9.6
Penzance	cbc	bcb	54	69	–	–	*	*
Paignton	ocbc	oc	52	68	–	–	2.0	9.0
Torquay	c	o	53	65	–	–	2.1	9.6
Weymouth	oc	c	55	72	–	–	1.9	10.0
Bournemouth ...	occ	oo	50	69	–	–	1.7	4.5
Portsmouth (S'thsea)	ob	bcoc	53	70	–	–	3.9	2.2
Worthing	obc	o	52	64	–	–	0.6	3.8
Brighton	o	bc	52	65	–	–	1.0	3.4
Eastbourne... ...	occ	cbcc	52	66	–	–	3.9	6.3
Hastings	ocbcc	cobc	53	65	–	–	2.9	7.2
Folkestone	bc	bc	52	64	–	–	8.1	3.5
Tunbridge Wells ...	obc	cbcco	48	66	–	–	6.8	3.1
Ramsgate	bcb	b	[illegible]	[illegible]	–	–	10.2	0.0
Margate	b	b	54	61	–	–	0.0	0.0
Deal	ocbc	bbb	51	63	–	–	10.2	1.9

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* 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. 8.22500 Saturday, 30th June 1923.

Observations at 1300 G.M.T. 29th / Observations at 1800 G.M.T. 29th

Stations	1300: Barom. at M.S.L. (mb)	1300: Change in 3 Hours‡	1300: Wind Direc.	1300: Wind Force 0-12	1300: Weather	1300: Temp. °F.	1300: Humidity %	1300: Visibility§ 0-9	1300: Cloud Low Height Feet	1300: Cloud Low Form	1300: Cloud Low Amt. 0-10	1300: Upper Form	1300: Total Amt. 0-10	State of ground	1800: Barom. at M.S.L. (mb)	1800: Change in 3 Hours‡	1800: Wind Direc.	1800: Wind Force 0-12	1800: Weather	1800: Temp. °F.	1800: Humidity %	1800: Visibility§ 0-9	1800: Cloud Low Height Feet	1800: Cloud Low Form	1800: Cloud Low Amt. 0-10	1800: Upper Form	1800: Total Amt. 0-10	Sea 0-9
Lerwick	1019.6	-1	WSW	2	o	55	85	6	1500	St	[illegible]	[illegible]	9	•	1017.4	-1	W	1	od₀	52	92	5	4000	Nb	5	ASt	10	0
Stornoway	1022.5	-2	WSW	2	opr₀	54	92	7	–	St	10	–	10	•	1020.2	-2	WSW	2	or₀r₀	52	97	6	450	St	10	–	10	1
Wick	1024.0	-1	NNW	3	o/r	59	75	8	4000	Nb	6	CiSt	9	•	1019.7	-1	WNW	2	od₀	53	85	7	800	St	7	CiSt	10	0
Castlebay	1024.6	-1	W	4	ocd₀+	54	85	8	4000	StCu	6	—	6	•	1022.7	-1	W	4	o+	52	97	8	1500	St	10	—	10	3
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1020.7	*	—	0	c	57	85	8	4000	StCu	8	—	8	•
Aberdeen	1022.6	-1	NW	3	c–	59	65	8	2500	StCu	8	–	[illegible]	0	1020.8	-2	SW	1	o	57	75	6	2500	StCu	10	–	10	0
Malin Head	1025.3	0	NW	3	bcd₀	52	97	8	4000	Nb	6	—	[illegible]	•	1024.3	-1	WNW	3	o+	53	85	8	5700	StCu	9	–	9	1
Renfrew	1022.3	-1	W	3	d	66	65	8	5700	Cu	4	Ci	7	0	1021.6	0	WNW	4	c+	59	68	8	–	–	0	ACu	8	•
Edinburgh (Inchkeith)	1022.1	-2	ENE	3	c/f	61	75	8	–	–	0	Ci	8	•	1020.2	-1	NNE	2	c	55	85	7	–	–	0	Ci	8	1
Leuchars	1021.9	-2	E	2	c–	62	75	7	4000	StCu	4	CiSt	7	0	1020.2	-2	ESE	3	o+	56	75	7	5700	StCu	7	CiSt	9	•
Eskdalemuir	1022.2	-1	SSW	3	c	65	65	7	4000	Cu	7	–	7	0	1020.8	-1	S	4	bc	61	75	8	4000	StCu	6	–	6	•
Tynemouth	1024.0	0	—	0	c	57	75	7	–	–	0	ASt	8	•	1021.7	-2	S	2	b	57	75	7	900	St	2	CiCu	3	0
Blacksod Point	1026.9	0	N	1	o	55	65	9	*	*	*	*	8	•	1026.1	0	NW	2	o	55	85	9	*	*	*	*	10	0
Donaghadee	1024.7	0	NNW	2	o	54	75	8	2500	St	10		10	•	1023.9	-1	N'W	2	bc–	55	85	8	2500	St	6	–	6	3
Birr Castle	1026.9	*	NW	1	o	59	75	8	2500	StCu	9	–	[illegible]	•	1025.1	*	NW	1	o	58	85	7	4000	StCu	9	–	9	•
Holyhead	1025.6	0	NW	2	c	57	85	8	2500	Cu	3	Ci	8	0	1024.7	-2	–	0	b–	57	75	8	–	–	0	CiSt	2	0
Liverpool (Bidston)	1024.7	+1	W'N	2	c	55	75	7	1500	CuNb	8	–	8	•	1023.4	-1	W'N	3	b	56	75	7	4000	StCu	2	CiSt	3	3
Chester (Shotwick)	1025.0	0	NNW	4	bc–	59	75	8	1500	St	3	CiSt	5	0	1023.4	-1	NW	4	c	57	75	7	2500	Cu	1	Ci	7	•
Spurn Head	1024.8	+1	NNE	3	c	59	75	7	2500	StCu	8	–	8	•	1023.4	-2	E	3	b	53	95	7	–	–	0	Ci	3	2
Birmingham (Edgbaston)	1023.9	-1	NW	3	b–	66	65	6	–	–	0	Ci	3	0	1022.3	-1	NNW	3	b	69	55	7	–	–	0	Ci	1	•
Nottingham	1022.9	0	SE	2	b	68	65	8	4000	Cu	3	–	3	•	1021.3	-1	NW	2	b	71	65	8	–	–	0	Ci	1	•
Cranwell	1023.9	0	ESE	1	c	64	75	7	2500	StCu	8	–	8	0	1022.7	-1	E'S	3	b–	61	85	8	–	–	0	–	0	•
Gorleston	1022.8	0	NNW	4	c	62	65	7	4000	StCu	7	–	7	•	1022.3	0	N'E	4	b–	58	75	7	–	–	0	CiCu	2	0
Valencia (Cahirciveen)	1027.3	+1	NWN	3	o	58	75	8	2500	St	6	ASt	10	0	1026.8	-1	W'N	3	o	57	75	8	2500	StCu	10	–	10	0
Roches Point	1026.1	0	NW	1	o	64	75	8	4000	StCu	9	–	9	•	1025.5	-1	SSW	1	c+	62	92	8	4000	StCu	7	–	7	0
Pembroke (St. Ann's H.)	1025.3	0	NNW	1	b	62	65	8	–	–	0	CiSt	3	•	1025.4	-1	NNW	2	bc+	58	75	7	–	–	0	CiSt	5	2
Ross-on-Wye	1023.2	-2	NNW	2	b	71	55	8	–	–	0	Ci	2	0	1021.7	-2	N	1	b	75	45	8	–	–	0	CiSt	3	•
Benson	1022.7	-1	NW	1	bc+	71	55	7	–	Cu	4	Ci	5	0	1022.5	-2	–	0	b–	76	55	6	–	–	0	–	0	•
Andover	1023.3	0	NW	2	c	71	65	8	–	—	0	Ci	7	0	1022.0	-1	NW	1	b–	74	55	8	4000	Cu	1	–	1	•
S. Farnborough	1023.1	-1	NW	2	bc+	73	55	6	5700	Cu	2	CiSt	5	0	1021.9	-1	NW	1	b	72	65	7	–	–	0	–	0	•
London (Kew Obsy.)	1023.0	-1	NW	2	bc+	70	55	6	4000	Cu	5	–	5	0	1021.6	-1	NW	2	b	75	45	6	4000	Cu	2	–	2	•
Croydon	1022.3	-1	NNW	2	bc+	72	45	6	4000	Cu	6	–	6	0	1021.6	-1	ENE	2	c+	72	45	6	4000	Cu	8	–	8	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1023.2	0	SE	3	b	57	85	7	–	–	0	ASt	2	0
Shoeburyness	1023.5	0	ESE	3	b	63	65	7	–	–	0	–	0	*	1023.0	-1	SE'E	3	b	60	75	8	–	–	0	ASt	2	•
Grain	1023.5	0	E'N	3	b	63	65	6	–	–	0	–	0	0	1022.6	0	E	4	b	61	75	8	–	–	0	–	0	0
Lympne	1023.6	+1	SE	3	bc	66	65	6	2500	StCu	6	–	6	0	1023.0	0	ESE	3	b	57	75	7	–	–	0	–	0	•
Scilly (St. Mary's)	1026.0	+1	N'E	2	b+	64	92	7	4000	Cu	2	Ci	3	•	1026.5	0	N'E	2	b	61	75	8	–	–	0	–	0	1
Falmouth (Pendennis)	1024.5	-1	NNW	3	b	67	55	8	5700	Cu	3	–	3	•	1024.1	0	N	4	b	62	65	8	5700	Cu	2	–	2	0
Plymouth (Cattewater)	1024.0	-1	NNW	3	b	70	55	8	–	–	0	Ci	1	0	1023.1	0	NNW	3	b	67	65	8	–	–	0	–	0	0
Portland Bill	1024.0	0	NW	2	b	60	92	7	–	–	0	CiCu	1	•	1023.5	-4	NW	1	b–	58	92	7	–	–	0	CiCu	1	0
Southampton (Calshot)	1024.2	0	SSW	4	c+	67	65	7	4000	Cu	3	CiSt	7	0	1022.7	-1	SW	4	b–	63	75	7	–	–	0	–	0	3
Dungeness	1023.6	+1	ESE	2	bc	61	75	7	–	–	0	ASt	4	•	1023.1	0	ESE	3	b–	58	75	7	–	–	0	CiSt	2	3
Jersey	1023.3	0	NW	2	b	66	65	8	4000	StCu	1	–	1	•	1023.3	0	NW	2	b	66	75	8	–	–	0	–	0	0

London Observations. (Weather and Temperature: 24 hours ended 0900 G.M.T. 30th; Sunshine and Humidity 15h.: Yesterday; Humidity 9h.: To-day)

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. %
Kew	bmbcz	bcybzy	bzybm	•	•	40	–	–	11.9	•	•
Croydon (24 hours ended 0700)	bwzy	bccyz	czybm	•	•	43	–	–	11.0	•	•
Greenwich (Royal Obsy.)	b	bc	bwmc	78	48	35	–	–	10.7	54	60
City (Bunhill Row)	•	•	•	•	•	•	•	•	8.9	•	•
Westminster (St. James' Pk.)	•	•	•	77	52	48	–	–	10.8	43	60
Regent's Pk. (Botanic Gdns.)	•	•	•	•	•	•	•	•	11.3	•	•
Camden Square	bbc	bc	•	78	51	49	–	–	•	•	63
Kensington Palace	b	bbc	•	76	51	43	–	–	•	59 (18h)	62
Hampstead Observatory	•	•	•	78	51	*	–	–	11.9	•	63

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1800 G.M.T. 29th

	Max.	Time.	Min.	Time.
South Kensington	0.6	28th 18h	0.3	29th 1h
	1.0	29th 7h		
Kew Observatory	0.4	[illegible]	0.3	29th 15h
	0.5	29th [illegible]		

Pole Star Record at Greenwich Obsy. Exposure from 29th 21 h. 45 m. to 30th 02 h. 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	04 30	04 30	[illegible]
δ Ursae Minoris	04 30	04 30	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.

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	–	–	–	–
18h.	C	5	·	15
0h.	C	5	–	140
9h.	[illegible]	5	–	130

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 30th June–1st July, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.35 / 3.35	11.56 / 11.56	8.17 / 8.17
Greenwich	3.48 / 3.48	12.3 / 12.3	8.18 / 8.18
Wick	3.10 / 3.11	12.15 / 12.15	9.19 / 9.19
Valencia	4.26 / 4.24	12.44 / 12.44	9.2 / 9.2

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

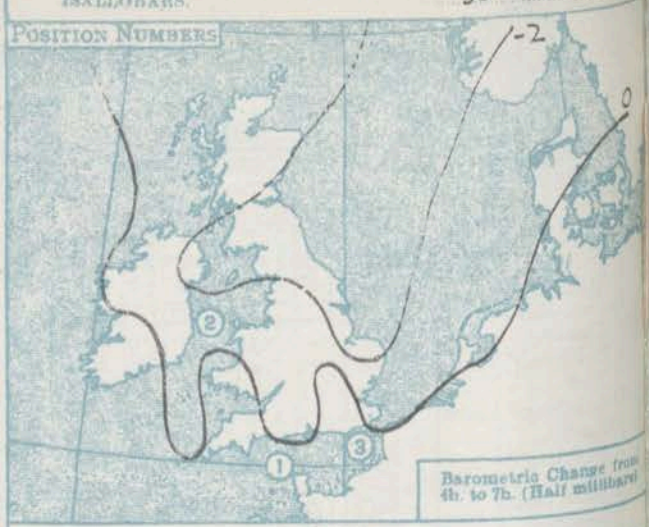
For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 29th	18h.-18h. 29th	18h. 29th to 1h. 30th	1h.-7h. 30th	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. 29th Hours.
Lerwick	c	oind	od.	o	55	48	.	Trace	1	13.30	<21.00	2.0
Stornoway	o	r-d	c	p	56	48	.	1	0.4	-	-	0.0
Wick	oir.	oid.	orr	op.d	59	47	.	0.1	3	09.00	<21.00	.
Castlebay	c	co	or.o	or.	55	49	.	-	2	-	-	4.2
Nairn	cg	cg	cpr.	cd	61	49	.	-	1	-	<21.00	0.1
Aberdeen	o	com	o	oo	61	50	48	-	-	-	-	0.2
Malin Head	cov	mdco	cove	imdco	55	49	.	Trace	0.6	12.30	01.30	4.1
Renfrew	cbec	cbc	cor.	oo	67	51	48	-	Trace	-	22.00	8.6
Edinburgh (Inchkeith)	cm	c	oo	pr.	61	51	47	-	Trace	-	02.30	13.2
Leuchars	bcac	cbco	oo	oo	63	51	45	-	nil	-	-	8.6
Eskdalemuir	c	cbc	bccoo	ood.	67	47	45	-	Trace	-	06.30	11.8
Tynemouth	cm	b-bc	cm	cr.m	60	51	41	-	Trace	-	06.30	.
Blacksod Point ...	c	oo	c	c	59	49	.	-	0.6	-	-	.
Donaghadee	c	c	o	o	57	51	.	-	-	-	-	.
Birr Castle	co	co	o	o	62	51	49	-	-	-	-	2.7
Holyhead	cc	cbcb	bbcco	oo	58	52	46	-	-	-	-	13.8
Liverpool (Bidston) ...	oc	cbcb		bco	59	52	46	-	-	-	-	6.7
Chester (Shotwick) ...	oobc	bcc	cc	co	60	44	34	-	-	-	-	10.6
Spurn Head	c	b-bc	c	c	58	49	.	-	-	-	-	5.3
Birmingham (Edgbaston)	bm	b-bc	bc	com	71	47	42	-	-	-	-	8.9
Nottingham	bzz	b-bc	b	bc	73	47	42	-	-	-	-	2.6
Cranwell	bco	cbcb	b-bc	com	67	44	37	-	-	-	-	8.4
Gorleston	c	c	cbc	bco	63	49	44	-	-	-	-	6.5
Valencia (Cahirciveen)	o	co	cv	o	59	53	51	-	-	-	-	0.0
Roches Point	o	bbcc	cb	bo	67	50	.	-	-	-	-	.
Pembroke (St. Ann's H.)	bbc	b-bc	b-bc	bcc	64	50	.	-	-	-	-	11.1
Ross-on-Wye	bby	by	bybcb	bmem	76	45	37	-	-	-	-	13.6
Benson...	bbc	bcb	bb	bbc	78	41	34	-	-	-	-	.
Andover	bcc	cbcby	byb	bccmw	75	43	38	-	-	-	-	14.1
S. Farnborough ...	bbc	bcb	b	bc	78	47	41	-	-	-	-	13.5
London (Kew Obsy.) ...	bmbczy	bcybzy	bzybmw	bmbfwbc	75	50	40	-	-	-	-	11.9
Croydon	bwzy	bccyz	czybm	bmwcz	74	50	43	-	-	-	-	11.0
Clacton-on-Sea ...	bcz	bcb	pbc	bczw	61	55	52	-	-	-	-	13.5
Shoeburyness	bmb	b	bcm	b	66	56	37	-	Trace	-	-	13.8
Grain	bbc	bb	bbm	bmbcm	65	46	39	-	-	-	-	12.6
Lympne	bcbbcm	cbcbz	bbcm	cbcfm	65	50	43	-	Trace	-	-	12.6
Scilly (St. Mary's) ...	bc	bcb	b	bc	65	53	.	-	-	-	-	14.6
Falmouth (Pendennis)	bc	bc	bcb	bbc	68	52	.	-	-	-	-	14.1
Plymouth (Cattewater)	by	by	b	bm	73	51	47	-	-	-	-	15.3
Portland Bill	bbc	b.bc	b-bc	b-bc	64	54	.	-	-	-	-	.
Southampton (Calshot)	c	c	bw	b-bc	70	50	46	-	-	-	-	13.7
Dungeness	bbc	b.bc	b-bc	b-bc	65	54	.	-	-	-	-	.
Jersey	b	b	b	bwbc	71	48	.	-	-	-	-	14.0

ISALLOBARS. 30th JUNE 1923

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Authority
2	29th 10.00	"Cambria"	NW	3	bc	54	51	?
3	30th 01.00	"Arundel"	W	2	bc	56	50	

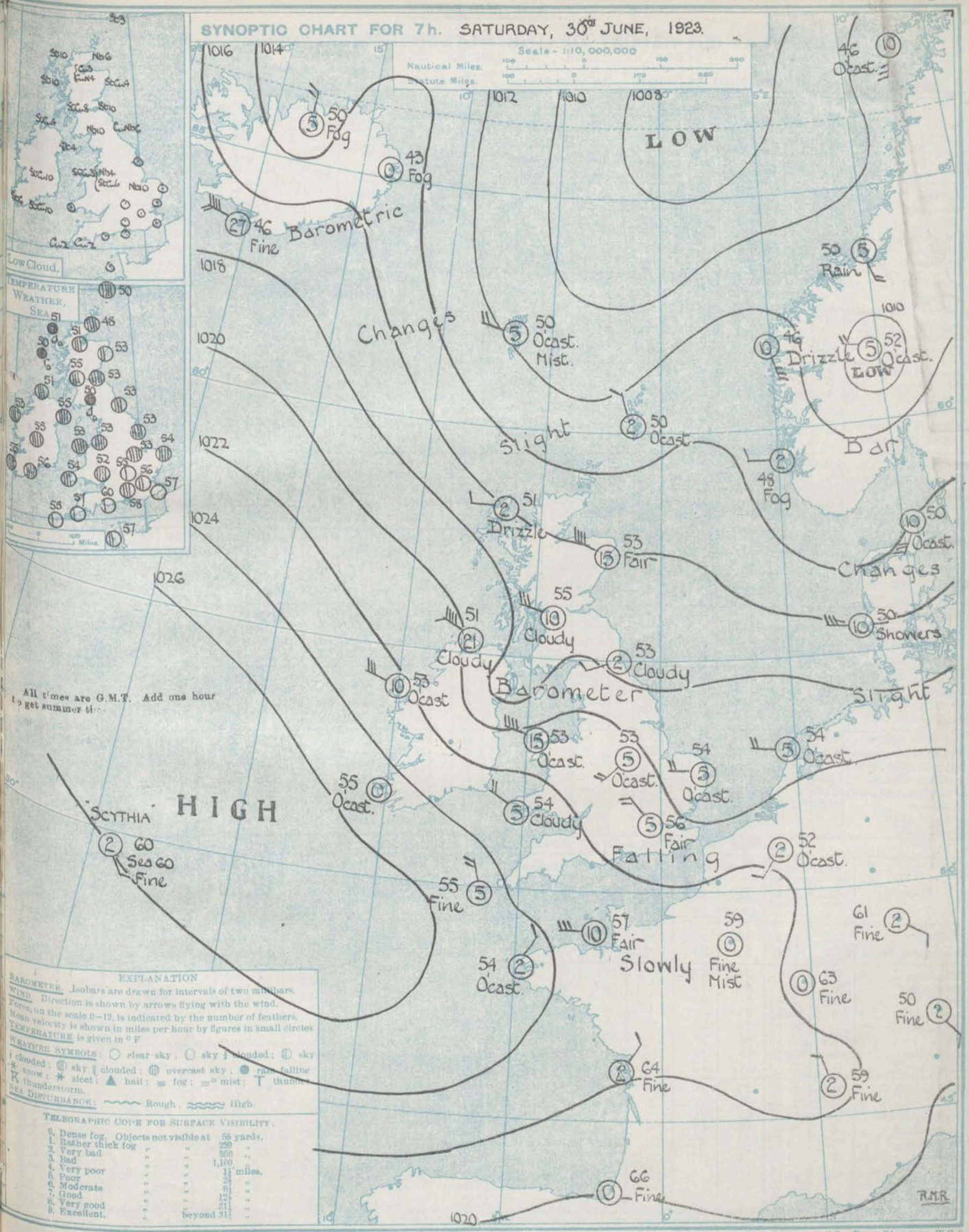
GENERAL INFERENCE.

The anticyclone off S.W. Ireland will maintain fair warm weather in the South but in the North as a result of shallow secondary depressions the weather will be dull at times with slight rain in places.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 30th June, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light to moderate N. to NW. winds; mainly fine and bright but cloudy at times; visibility moderate to good; warm.	Mainly fair in the South; no further outlook issued for the North. ----
5. S.W. England	Light N.W. wind; fine; visibility good; rather warm.	
6. South Wales	Light to moderate W. to N.W. winds; cloudy at times; visibility good; 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	Moderate to fresh W. to N.W. winds; dull at times, with slight rain in places; visibility mainly good; moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	As 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0845. 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....Saturday, 30th June.....1923. No. 181...

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	1013·7	-2	SW	1	or.c	50	97	5	2500	Nb	10	–	10	•
Stornoway	1019·5	0	NNW	1	0	•	•	5	•	•	•	•	•	•
Wick	1015·5	-4	SW	2	c/r	51	92	8	2500	Nb	3	ASt	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1021·2	-2	WSW	4	od.	53	97	7	2500	St	10	–	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1018·9	0	W	4	0+	52	85	8	–	StCu	6	ASt	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1018·6	-2	SW	2	0	53	85	7	1500	Nb	9	–	9	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1023·0	-2	WSW	3	0+	53	92	7	2500	StCu	10	–	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1021·4	-2	SW	2	0	52	92	7	4000	StCu	10	–	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1021·8	-1	WSW	2	bc	47	97	6	–	–	0	CiSt	4	•
Gorleston	1021·9	-1	SW'S	1	bc-	49	97	7	–	–	0	CiSt	4	•
Valencia (Cahirciveen)	1025·8	0	–	0	c	53	92	9	–	–	0	ASt	7	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1023·6	-1	–	0	bc	52	92	8	4000	StCu	4	–	4	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...		•	•	•	•	56	•	•	•	•	•	•	•	•
Croydon	1021·8	-1	SSW	2	b	54	97	5	–	–	0	CiSt	3	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness... ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1022·2	-1	SW'S	3	mbc+	52	92	4	–	–	0	CiSt	7	•
Scilly (St. Mary's) ...	1025·2	0	N'W	2	b	53	97	8	–	–	0	–	0	•
Falmouth (Pendennis)	1025·7	+1	N	4	b	54	92	8	–	–	0	–	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1023·4	-2	NW	1	b-	56	92	6	–	–	0	CiCu	1	•
Southampton (Ca.shot)	1022·6	0	WSW	2	b	55	92	8	–	–	0	–	0	•
Dungeness	1022·0	-1	S	3	b	54	97	7	–	–	0	–	0	•
Jersey 7h } ... ... 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	1012·5	0	NNW	1	0	50	92	7	2500	St	3	ASt	9	0
Stornoway	1015·9	-1	W	1	od.	51	97	6	450	St	10	–	10	1
Wick	1014·5	-1	NW	2	0	48	92	8	2500	Nb	6	ACu	10	0
Castlebay	1018·3	-1	WNW	4	or.	50	97	7	1500	St	10	–	10	3
Nairn	1015·8	•	–	0	c/r	51	85	8	4000	CuNb	7	–	7	•
Aberdeen	1016·0	-1	NW	4	bc-	53	75	8	2500	StCu	4	–	4	0
Malin Head	1020·1	0	NW	5	c/r	51	85	9	5700	StCu	4	ACu	7	1
Renfrew	1017·8	-2	WNW	3	c-	55	75	8	1500	StCu	8	–	8	•
Edinburgh (Inchkeith)	1016·2	-1	W	4	0	53	92	8	–	St	10	–	10	3
Leuchars	1015·7	-2	WSW	3	0	56	75	8	4000	StCu	9	–	9	•
Eskdalemuir	1018·4	-1	SW	3	od.	50	97	5	800	Nb	10	–	10	•
Tynemouth	1017·3	-3	WSW	1	c/r	53	85	6	1500	CuNb	6	CiCu	8	1
Blacksod Point ...	1022·3	-1	WNW	3	o/r	53	97	6	+	+	+	+	10	0
Donaghadee	1017·0	-2	SW'W	3	o-	55	92	8	1500	St	4	ASt	10	2
Birr Castle	1023·1	•	WNW	1	0+	55	85	6	2500	StCu	10	–	10	•
Holyhead	1021·6	-1	W'N	4	0-	53	92	7	2500	StCu	3	ACu	9	2
Liverpool (Bidston) ...	1020·4	-1	W'N	2	0	53	92	6	1500	CuNb	10	–	10	3
Chester (Shotwick) ...	1020·7	-1	W	4	0	55	85	7	1500	St	10	–	10	•
Spurn Head	1019·2	-2	W	4	0	53	92	6	–	–	0	ASt	10	1
Birmingham (Edgbaston)	1021·3	-1	W	2	0-	53	85	6	4000	StCu	9	–	9	•
Nottingham	1020·1	-1	SW	2	0	53	97	6	2500	Nb	10	–	10	•
Cranwell	1020·7	-1	WSW	3	0	50	92	6	4000	St	1	ASt	10	•
Gorleston	1019·8	-2	W'N	2	0	54	85	6	–	–	0	ASt	10	0
Valencia (Cahirciveen)	1025·5	0	–	0	0	55	85	8	1500	St	6	ASt	10	0
Roches Point	1024·1	0	NNW	1	0	56	92	8	2500	StCu	10	–	10	0
Pembroke (St. Ann's H.)	1023·2	0	NW	2	c-	54	85	7	–	–	0	CiSt	7	3
Ross-on-Wye	1021·8	-1	WSW	1	0⊕	52	85	6	2500	St	1	CiSt	9	•
Benson...	1021·2	0	–	0	bc	55	85	7	–	–	0	Ci	5	•
Andover	1021·7	-1	WNW	1	c+	55	85	6	–	–	0	Ci	7	•
S. Farnborough ...	1021·2	0	NW	3	c-	58	75	6	–	–	0	Ci	7	•
London (Kew Obsy.)...	1021·5	+1	NNW	E	bc	56	75	6	–	–	0	Ci	5	•
Croydon	1021·1	0	WNW	2	c+	57	75	6	–	–	0	Ci	7	•
Clacton-on-Sea ...	1020·0	-2	W	3	bc	57	92	6	–	–	0	Ci	5	0
Shoeburyness... ...	1020·4	-1	WNW	1	mbc-	57	75	5	–	–	0	Ci	6	•
Grain	1020·5	-2	W'N	4	mbc-	55	97	5	–	–	0	CiSt	5	0
Lympne	1020·7	-1	WSW	2	b	56	92	6	–	–	0	Ci	3	•
Scilly (St. Mary's) ...	1025·0	-1	N'W	2	b+	55	92	8	4000	Cu	2	–	2	1
Falmouth (Pendennis)	1023·3	0	–	0	b+	57	85	8	5700	Cu	2	–	2	0
Plymouth (Cattewater)	1022·8	+1	NNW	3	b+	56	85	8	800	St	1	Ci	2	0
Portland Bill	1022·5	-2	NW	1	b	60	75	7	–	–	0	Ci	3	0
Southampton (Ca.shot)	1021·5	-1	W	2	bc+	57	85	7	–	–	0	CiSt	4	0
Dungeness	1021·0	-1	SW	3	b	57	92	7	–	–	0	–	0	3
Jersey 7h } ... ... Guernsey 1h }	1023·2	0	W	3	bc	57	85	7	–	–	0	ACu	4	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR....29th June.....

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 28th-29th °F.	Temperature. Max. Day. 29th °F.	Rainfall.† Night 17h.-9h. 28th-29th mm.	Rainfall.† Day 9h.-17h. 29th mm.	Sunshine. Sunrise to 17h. 29th hr.	Sunshine. Sunrise to Sunset. 28th hr.
Montrose	bc0	cb2	44	60	–	–	6·0	8·6
Berwick-on-Tweed	2bbb	bbcbc	51	58	–	–	7·7	6·7
Llandudno	ccb	bc	50	59	–	–	6·1	0·1
Colwyn Bay ...	bc	bc	49	60	–	–	8·4	*
Rhyl...	bc	bc	51	60	–	–	5·8	0·7
Southport	0c0bc	bcbbc	52	60	–	–	6·2	4·6
Blackpool	ac	bcc	52	60	–	–	3·0	4·6
Ilkley	acbcb	b	48	70	–	–	6·8	7·3
Harrogate	cb	cb	46	70	–	–	6·1	3·5
Skegness	0	b	49	63	–	–	6·4	7·3
Aberystwyth ...	cbb	b	52	60	–	–	11·8	4·0
Bath	b	b	46	75	–	–	11·1	2·6
Leamington Spa ...	02	bz	45	72	–	–	9·5	1·9
Lowestoft	0	ccb	49	59	–	–	4·7	7·5
Felixstowe	c2bc	b	50	62	–	–	10·0	10·4
Southend	b	b	50	67	–	–	11·0	6·1

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 28th-29th °F.	Temperature. Max. Day. 29th °F.	Rainfall.† Night 17h.-9h. 28th-29th mm.	Rainfall.† Day 9h.-17h. 29th mm.	Sunshine. Sunrise to 17h. 29th hr.	Sunshine. Sunrise to Sunset. 28th hr.
Ilfracombe	b	b	54	62	–	–	9·9	9·1
Bude	bcb	b	43	64	–	–	7·3	10·7
Penzance	b	bbcb	52	69	–	–	*	*
Paignton	b	b	51	70	–	–	12·4	3·1
Torquay	b	b	52	69	–	–	12·2	3·2
Weymouth	b	b	52	71	–	–	11·4	2·8
Bournemouth ...	b	b	50	72	–	–	11·0	2·5
Portsmouth (S'thsea)	b	b	53	72	–	–	12·0	4·7
Worthing	bb	b	53	68	–	–	11·9	1·4
Brighton	b	b	52	61	–	–	11·5	4·0
Eastbourne... ...	b	b	53	68	–	–	11·3	4·2
Hastings	bbc	bcc	53	70	–	–	10·4	3·0
Folkestone	b	b	53	64	–	–	10·8	0·6
Tunbridge Wells ...	b	bbc2	47	73	–	–	9·9	1·0
Ramsgate	b	b	53	62	–	–	11·7	11·1
Margate	b	b	54	61	–	–	11·0	10·4
Deal	cbb	bbb	52	65	–	–	12·0	11·0

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* 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. CORRECTIONS AND ADDITIONS, June 1923.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
1st	Leuchars.	13h bar. 1026·5.
	Cranwell.	" " 1024·0: 1h wind NNE. 3.
	Holyhead.	18h wind NE'N.
	Castlebay	Max. 56.
	Aberdeen.	Sun. 4·4.
2nd	Folkestone.	0: 0: 46: 56: -: 0·2: 0·0: 9.4.
	Aberdeen.	18h Temp. 51.
	Croydon Radio.	1h C_1C_2: 6: -: 140°. 7h C: 6: -: 80°
	Tynemouth.	1h Temp. 45.
	Lympne.	" cloud ht. 800'.
	Calshot.	" Temp 51. weather "nimo"
	Birr Castle.	7h bar. 1028·3: Wind NNE.
	Slomoway.	Sun 1·0.
	Grain.	Max. 53.
	Leamington.	Max 54.
3rd	All Health Resorts	Reverse sunshine columns.
	Leuchars.	18h hum 55%: Vis. 7.
	Blacksod.	Max. ? 56.
4th	Westminster.	*: *: *: 57: 37: -: -: -: 0·0: 74: 68.
	Calshot.	13h cloud amt. 7.
	S. Farnborough.	18h wind W. 3.
	Croydon.	" Vis. 7. 1h Vis. 8.
	Holyhead.	7h wind NE'N.
	Birr Castle.	Night rain 0·3.
	Jersey.	" " Nil. Sun. 7·5.
5th	Folkestone.	bc: bc: 46: 55: -: -: 8·1: 0·0.
	Renfrew.	13h hum. 65.
	Sholwick.	" Cloud. Cu: 8: 7h hum 75: Vis 5
	Andover.	18h wind NNE. 2.
	S. Farnborough.	" Temp. 50.
	Cranwell.	7h cloud amt. 9: Max 49.
	Lympne.	Sun. 5·8.
	Lowestoft.	Night rain. 3.
	Margate.	Min 46.
6th	Castlebay.	18h Sea. 4.
	Sholwick.	" bar. 1015·6.
	Ross-on-Wye.	" " 1016·4.
	Lympne.	" cloud amt. 7: Sun 3·7
	Scilly.	1h wind NW.
	Slomoway.	7h bar. 1015·2.
	Blacksod.	" " 1021·5.
	Calshot.	" Temp 54.
	Bude.	Sun 4th. 12·3.
7th	Portsmouth.	Min 46.
	Wick.	13h wind NNE.
	Croydon Radio	Direction at 1h. 100°
	Aberdeen.	Max 53: Grass min 29: Sun 11·5
	Inchkeith.	Day rain 1mm.
	Kew.	" " 0·1 "
	Portland Bill.	Min 51.
	Dungeness.	Max 55: Min 52.
	All Health Resorts	Reverse sunshine columns.
	Ilfracombe.	oc: cbcco: 51: 55: -: -: 1·9: 3·8
	Bude.	Sun 5th. 0·3.
	Margate.	" " 5·7.
8th	Dungeness.	13h wind W.
	Blacksod.	18h Temp 54: Max 57.
	Calshot.	" " 57: 7h hum. 75%
	Renfrew.	7h bar. 1006·9.
	Birr Castle.	" " 1009·7.
	Nottingham.	" hum. 85%.
	Cattewater.	" " 75%
	Aberdeen.	Sun. 7·5.
	Malin Hd.	Night rain "3"
	Sholwick.	Min 51.
	Lympne.	Sun 0·3.
	Falmouth.	Max. 60.
9th	Margate.	cbc: co: 48: 60: -: -: 3·3: 0·0.
	Kew.	13h hum. 55%: 7h bar. 1015·6.
	Lympne.	1h wind WSW.
	Nairn.	Max. 66.
	Eskdalemuir.	Day rain "26"
	Holyhead.	Max 53
10th	Cattewater.	" 57.
	Birr Castle	13h bar. 1006·9.
	Cranwell.	18h clouds. SiCu: 8: 0SL: 10.
	Nottingham.	7h bar. 1016·1.
	Kew.	" wind SW.
	Bude.	Max 59.
	Westminster.	*: *: *: 64: 58: 54: -: -: 0·1: 82: 87
	Camden Sq.	o: o: *: 65: 57: 54: -: -: *: *: 82
11th	Cranwell.	13h cloud ht. 4000': Thunder N.S.4
	Castlebay.	18h bar. 1007·7: Day rain 0·2
	Holyhead.	1h bar. 1020·1: Max. 60.
	Scilly.	" clouds. CiCu: 2.
	Slomoway.	7h wind N.
	Andover.	" bar. 1025·4.

Report for	STATION.	CORRECTION.
11th	S. Farnborough.	7h bar. change. +3.
	Kew.	Sun 7·2.
	Grain.	" 8·3.
12th	Slomoway.	18h bar. 1026·0: 7h wind SSW.
	Clacton.	" wind NW. 4.
	Slomoway.	Sun 10·7.
	Castlebay.	Min 49.
	Renfrew.	Sun 11·3.
	Ilfracombe.	" 11th. 6·3.
	Margate.	" 10th 4·7.
13th	Holyhead.	13h. State of Ground "2."
	Castlebay.	18h Sea. 5.
	Wick.	Day rain. 7.
	Cranwell.	Max. 59.
	Ross-on-Wye.	" 59.
	Dungeness.	Night rain "2."
	Kensington Pal.	Min 52.
	Croydon Radio	7h C: 5: -: 70.
	Colwyn Bay	Sun 12th. 0·8.
	Southport.	Max. 52.
	Bude.	Sun 11th. 12·2.
	Margate.	" " 9·9.
14th	Aberdeen.	13h bar. 1007·2.
	Renfrew.	" Vis. 8.
	Shoeburyness	" bar. 1013·8.
	Blacksod Pt.	18h wind NW'N. 4: Min 41.
	Holyhead.	1h Temp. 51.
	Spurn Hd.	" " 51.
	Cranwell.	" clouds SiCu: 6: 0SL: 10: Sun 8·2
	Portland Bill.	Max. 61.
	Margate.	Night rain "2"
15th	Sholwick.	13h hum. 65: Vis. 8.
	Aberdeen.	18h clouds. Ci. Cu.
	Leuchars.	" hum 65: Vis. 8.
	Liverpool.	7h Temp 51.
	Slomoway.	Night rain. Nil.
	S. Farnborough.	Grass min 37.
	Croydon.	Sun 4·5.
	Falmouth.	Night rain 0·3.
	Margate.	Sun 13th 6·1.
16th	Wick.	13h wind SE.
	Holyhead.	18h bar. change -1.
	Cranwell.	" hum 97.
17th	Nairn.	Day rainfall 1mm.
	Croydon.	18h hum 55%: 1-7h weather "omo"
	" Radio	13h direction. 75°
	Calshot.	1h cloud amt. 5.
	Eskdalemuir.	7h hum. 65.
	Cranwell.	Max 55.
	Grain.	Sun 2·4.
	Portland Bill.	Max 58.
	Westminster.	*: *: *: 55: 46: 44: 0·4: 0·8: 64: 61.
	Camden Sq.	bcc: cbc: *: 60: 43: 42: -: -: *: *: 62.
	Regent's Pk.	Sun 1·0.
	Bath.	Sun 18th. 3·8.
18th	Castlebay.	13h Temp 49.
	Donaghadee.	" wind N.
	Croydon.	" bar. change +2: Sun 6·8.
	Cattewater.	" wind NW.
	Birmingham.	18h clouds. CiSi. 5.
	Lympne.	1h Temp. 41.
	Leuchars.	Night rain 2.
	Eskdalemuir.	" " 2.
	Ross-on-Wye.	18-1h "cyoco" 1-7h "od₀o"
	Jersey.	Sun. 9·5.
	Colwyn Bay.	bc: bc: 47: 57: -: -: 8·8: 0·6.
	Bath.	bcb: bbc: 46: 61: -: -: 9·8: 3·8.
	Margate.	Sun 16th 1·9.
19th	Croydon.	13h hum. 65.
	Calshot.	" " 69: Vis. 7.
	Sholwick.	18h wind NW.
	Cranwell.	1h cloud ht. 500': 7h wind NW 4
	Grain.	Sun 3·6.
	Falmouth.	Day rain. 1mm.
20th	Liverpool.	13h bar. 1020·6: Max. 57.
	Croydon.	18h wind NW'N. 3: Sun 2·3.
	Calshot.	" hum. 55.
	Cranwell.	1h wind WNW.
	Castlebay.	Day rain 0·2.
	Spurn Hd.	Night " "
	Clacton.	Min 48.
21st	Tynemouth.	13h bar. 1023·5.
	Kew.	" state of ground "0"
	Holyhead.	18h cloud ht. 6000'
	Cranwell.	" hum 85%
	Gorleston.	" Temp. 51: Day rain 1mm.
	S. Farnborough	" cloud ht. 2500'

Report for	STATION.	CORRECTION.
21st	Calshot.	18h wind NNE. 3.
	Croydon.	7h hum. 75: Sun 0·8.
	Cattewater.	" bar. 1027·7: Grass min 43.
	Renfrew.	Sun. ?
	Lympne.	" 0·9
	Bude.	" 19th. 7·5.
22nd	Tynemouth	18h Temp 62: 7h wind W.
	Calshot.	7h wind NW'N. 4.
	Castlebay.	Min 52.
	Falmouth.	Max ?
	Worthing.	Sun 21st 3·2.
	Eastbourne.	Day rain Nil.
23rd	Aberdeen.	13h cloud Cu. 10.
	Leuchars.	" Temp. 62.
	Tynemouth.	" bar. 1017·3: 7h Temp 57.
	S. Farnborough	" wind WNW.
	Cranwell.	18h bar 1022·7.
	Benson.	" Temp 68: hum 65.
	Inchkeith.	Night rain -
	Grain.	Sun 6·8.
	Lympne.	" 4·6.
	Folkestone.	bc: bc: 46: 68: -: -: 4·1: 1·4.
24th	Benson.	13h low cloud "Cu"
	Aberdeen.	18h hum 55%: Sun 5·1.
	Leuchars.	" bar. 1018·4.
	Gorleston.	" wind S'W.
	Portland Bill.	" " W.
	S. Farnborough.	7h cloud amt 10.
	Cattewater	" bar. 1026·5.
	Lerwick.	Night rain 0·3.
	Liverpool.	Grass min 50: Sun 7·3.
	Lympne.	Sun 12·3.
	Handudno.	oc: cbc: 56: 66: -: -: 4·9: 3·4.
	Skegness.	b: b: 57: 79: -: -: 10·5: 7·8.
25th	Cranwell.	13h cloud ht. 2500.
	Andover.	" bar. 1023·7.
	Wick.	18h wind N.
	Croydon.	" bar. change -1.
	Grain.	" Temp 67.
	Cattewater.	" cloud 2500: SiCu: 9.
	Leuchars.	Max 63.
	Spurn Hd.	" 63.
	Lympne.	Sun 6·4.
26th	Renfrew.	13h bar. change. -1.
	Kew.	" wind N. 3.
	Calshot.	" bar. change 0.
	Sholwick.	18h clouds. SiCu. 10.
	Cranwell.	" weather. "ojp"
	Lympne.	1h Vis. 6: Min 41°.
	Portland Bill.	" hum. 85%.
	Tynemouth.	7h wind W.
	Liverpool.	" clouds. Si: 6: CiSi: 10.
	Andover.	Max 65: Rain, day, "trace"
	Croydon, Radio	18h "C_1C_2: 1h "C": 7h "C"
	Lilley.	Min 46.
	Ilfracombe.	Night rain 0·1.
27th	Renfrew.	18h bar change 0.
	Portland Bill.	" clouds. 0Si. 10: Max 65.
	Calshot.	" cloud ht. 1800'
	Croydon, Radio	18h. "C: 5: -: 150."
	Aberdeen.	Sun. 10·6.
	Harrogate.	Min 39: Sun 26th 8·8.
	Ilfracombe.	Night rain 0·1.
	Folkestone.	Max 63.
28th	Leuchars.	13h wind ESE. 2: 18h Temp 56.
	Donaghadee.	" " NNE. 3.
	Sholwick.	18h bar. 1022·5.
	Cranwell.	" cloud ht. 3500:
	Wick.	1h clouds. 800: Si. 10.
	Inchkeith.	Max. 60.
	Lympne.	Night rain 0·1
	Bude.	Sun 26th 5·9
	Folkestone.	Min 45.
	Margate.	Sun 26th 10·8.
29th	Aberdeen.	18h bar. 1021·6.
	Cranwell.	1h wind W'S.
	Pembroke.	" bar. 1025·1.
	Lympne.	" Vis. 7: Sun 8·4.
	Cattewater	Grass min 51: Sun 5·8.
30th	Slomoway	18h wind W.
	Renfrew.	" hum 68.
	Benson.	" bar. change -2.
	Croydon.	13h bar. 1022·4.
	Donaghadee.	7h " 1019·7.
	Blacksod Pt.	" Sea. 0.
	Calshot.	1h wind WSW. 2.
	Leuchars.	Night rain -
	Shoeburyness	Min 46.

‡ The barometric change is expressed in half millibars.

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	Sun. 0-9	Summaries for the Past 24 Hours. Weather. 7h.-13h.	13h.-18h.	18h.-1h.	1h.-7h.	Temperature. Max. Day. 7h.-18h.	Min. Night. 18h.-7h.	Min. on Grass.	Rainfall.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	Sun. Hours.
1st	Roches Pt.	13h	1022·3	0	E	4	b	57	75	6	-	-	0	-	0		bz										
	-	18h	1020·5	-2	ENE	4	bc+	58	65	7	-	-	0	aCu	4	3		bzb									
	-	7h	1021·7	0	E	3	o	48	85	6	4000	Sc	10	-	10	3			bz	boz	58	44		-	-	-	
2nd	-	13h	1023·0	0	E	3	c	58	65	6	-	-	0	Ci Sc	7		obccz										
	-	18h	1023·5	0	E	3	c	53	85	6	-	-	0	Ci Sc	7	3		cz									
	-	7h	1027·8	+1	SSE	1	o	49	85	5	-	-	0	-	0	0			cobz	bz	58	46		-	-	-	
3rd	-	13h	1027·8	0	SE	2	b	58	85	5	-	-	0	-	0	0	bz										
	-	18h	1027·5	0	SSE	1	b	56	75	5	-	-	0	-	0	0		bz									
	-	7h	1025·4	-1	NW	4	bc	52	85	8	-	-	0	aSc	4	0			bbc	bz	59	49		-	-	-	
4th	-	13h	1023·7	-2	NW	3	o	63	75	8	-	-	0	aSc	10		bcco										
	-	18h	1021·8	-	NW	4	o	57	85	8	-	-	0	aSc	10	0		o									
	-	7h	1018·3	0	NW	4	o	50	85	9	4000	Sc Cu	10	-	10	0			oc	o	63	49		-	-	-	
5th	-	13h	1019·6	0	NNE	3	o	57	75	9	4000	Cu Nb	9	-	9		co										
	-	18h	1018·9	0	N	3	c	57	75	8	4000	Sc Cu	7	-	7	0		oc									
	-	7h	1020·8	0	NNW	4	o	50	92	8	4000	Sc Cu	10	-	10	0			bo	b	62	49		-	-	-	
6th	-	13h	1020·6	0	NNW	3	c	59	85	8	4000	Sc Cu	7	-	7		oc										
	-	18h	1021·1	0	NNW	4	c	54	85	8	4000	Sc Cu	7	-	7	0		c									
	-	7h	1022·7	0	NW	4	o	52	85	8	4000	Sc Cu	10	-	10	0			bo	c	60	49		-	-	-	
7th	-	13h	1023·2	0	NW	4	o	58	75	8	4000	Sc Cu	10	-	10		oco										
	-	18h	1023·3	0	NW	3	o	55	92	8	4000	Sc Cu	10	-	10	0		oc									
	-	7h	1023·8	0	SW	3	o	50	92	9	4000	Sc Cu	10	-	10	0			oc	oc	57	47		-	-	-	
8th	-	13h	1022·9	-1	SW	3	c	56	85	8	4000	Sc Cu	7	-	7		oc										
	-	18h	1021·1	-1	SW	3	o	54	97	8	4000	Sc Cu	10	-	10	0		co									
	-	7h	1013·7	-3	SW	4	od₀	50	97	6	450	Nb	10	-	10	3			odd₀m	od₀	57	50		-	0·4	2400	
9th	Lympne.	1h	1024·2	0	W	2	om	47	92	6	5000	Sc Cu	9	-	9												
	Roches Pt.	13h	1011·5	-2	SW	5	od₀	55	92	5	800	Nb	10	-	10		d₀d₀m										
	-	18h	1011·5	-1	WSW	4	o	55	92	7	800	Sc	9	aSc	10	7		d₀d₀o									
	-	7h	1010·0	0	WSW	4	od₀	53	92	5	800	Nb	10	-	10	5			oidₒm	odₒm	59	53		4	0·5	<0800 2200	
10th	-	13h	1011·0	0	WSW	5	o	56	97	5	1500	Sc	10	-	10		d₀d₀m										
	-	18h	1011·3	0	SW	4	od₀	56	97	5	800	Nb	10	-	10	6		d₀d₀m									
	-	7h	1015·2	+4	W	5	o	53	85	7	2500	Sc Cu	10	-	10	6			d₀d₀m	o	57	52		0·5	0·4	-	
11th	-	13h	1019·6	+5	W	4	c-	58	75	8	4000	Sc Cu	8	-	8		o p₀ c										
	-	18h	1021·8	+4	W	4	c-	59	75	8	4000	Sc Cu	6	Ci	7	6		coc									
	-	7h	1029·5	+4	WNW	4	o	51	92	8	4000	Sc Cu	10	-	10	0			op₀o	o	59	50		0·1	0·3		
12th	-	13h	1032·4	+2	WNW	4	c-	59	75	8	4000	Sc Cu	7	-	7		oc										
	-	18h	1033·6	+1	WNW	4	bc-	58	75	8	4000	Sc Cu	1	Ci Cu	4	0		obc									
	-	7h	1034·6	-1	WSW	3	o-	52	85	8	4000	Sc Cu	9	-	9	0			oco	op₀o	61	48		-	0·1	0430	
13th	-	13h	1030·7	-5	W	4	o	64	85	8	4000	Sc Cu	9	-	9		oco										
	-	18h	1028·8	-3	W	4	o	61	92	8	4000	Sc Cu	9	-	9	3		oco									
	-	7h	1024·8	-1	WNW	4	o	57	92	8	4000	Sc Cu	10	-	10	3			oo	oo	65	57		-	-	-	
14th	-	13h	1024·2	0	WNW	5	b	62	75	8	-	-	0	Ci	2		cb										
	-	18h	1025·1	0	NW	5	b+	56	85	8	-	-	0	Ci	3	3		b									
	-	7h	1026·3	0	NW	4	c	53	85	8	4000	Sc Cu	2	Ci	8	0			oco	oc	62	51		-	-	-	
15th	-	13h	1027·3	0	NW	3	bc	62	75	9	4000	Cu	6	-	6		cbc										
	-	18h	1025·7	-1	NW	1	bc	60	85	8	4000	Sc Cu	3	aCu	5	0		cbc									
	-	7h	1019·4	-1	W	3	o	56	97	8	4000	Sc Cu	10	-	10	0			odd₀o	od₀o	64	53		-	0·6	-	
16th	-	13h	1017·7	-1	WNW	4	o	60	85	8	2500	Sc Cu	10	-	10		op₀										
	-	18h	1017·3	-1	WNW	4	o+	58	85	9	2500	Sc Cu	9	-	9	?		oc									
	-	7h	1022·1	+1	NW	4	o	53	85	8	2500	Sc Cu	10	-	10	0			obc	bco	61	50		?	-	-	
17th	-	13h	1022·5	+1	NW	3	c	60	75	8	4000	Sc Cu	8	-	8		c										
	-	18h	1023·5	+1	NW	3	c	55	85	8	4000	Sc Cu	8	-	8	0		c									
	-	7h	1025·7	+1	NW	3	o	52	92	9	4000	Sc Cu	10	-	10	0			co	oo	61	50		-	-	-	
18th	-	13h	1026·2	0	NW	2	o	59	75	9	4000	Sc Cu	10	-	10		oco										
	-	18h	1025·5	-1	NW	1	o	57	85	9	5700	Sc Cu	10	-	10	0		oco									
	-	7h	1023·0	0	NW	3	o-	54	92	8	1500	Sc	9	-	9	0			o r₀ r₀	r₀ r₀ o	61	53		-	0·6		
19th	-	13h	1023·6	0	NW	3	c-	63	85	8	4000	Sc Cu	6	Ci Sc	7		oc										
	-	18h	1022·1	0	NW	3	bc-	62	85	8	-	-	0	aCu	4	0		cbcb									
	-	7h	1024·5	+1	NNW	4	bc-	52	92	8	-	-	0	aCu	4	0			o	obc	64	51		-	-	-	
20th	-	13h	1025·0	0	NW	4	bc-	61	75	8	-	-	0	Ci Sc	2		bcb										
	-	18h	1024·2	0	NW	4	bc	58	85	8	4000	Sc Cu	1	Ci	2	0		b									
	-	7h	1027·5	+2	N	4	c	51	85	8	4000	Sc Cu	4	Ci	7	0			b	bbcc	63	49		-	-	-	
21st	S. Farnborough.	18h	1015·6	-1	NW	3	bc	58	55	7	3000	Cu	3	aCu	5			c			64			trace		<0800	
	Roches Pt.	13h	1028·6	+1	NW	4	c	61	75	8	4000	Sc Cu	2	Ci Sc	7		c										
	-	18h	1028·2	0	NW	3	b-	63	75	8	-	-	0	aCu	1	0		cbcb									
	-	7h	1029·8	0	NW	2	o	57	85	8	4000	Sc Cu	10	-	10	0			b bcb	bo	64	54		-	-	-	
22nd	-	7h	1028·6	+1	NW	3	b	59	85	8	2500	Sc Cu	2	Ci	3	0			c	cbc	66	54			-	-	

‡ The barometric change is expressed in half millibars.