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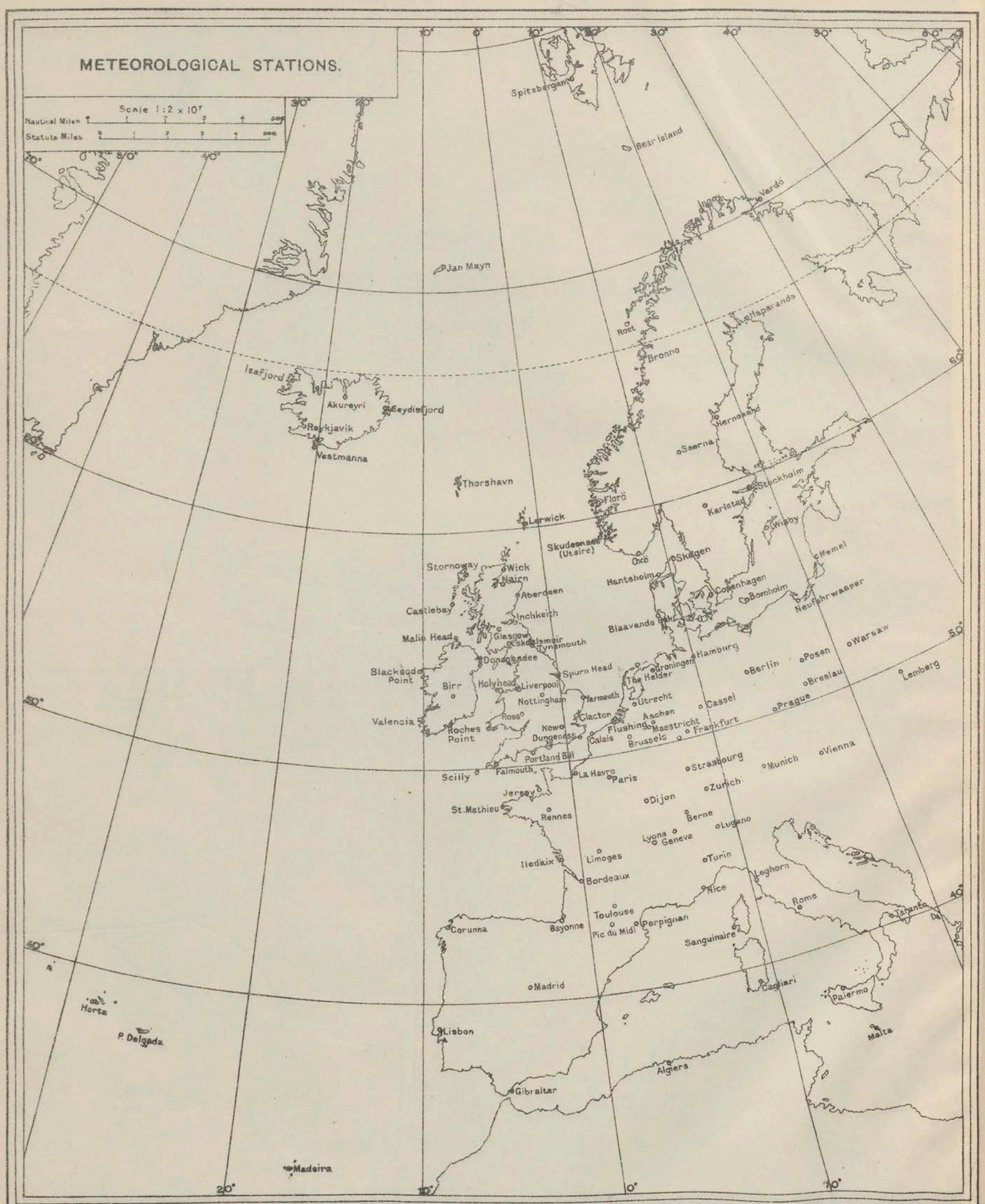
DAILY WEATHER REPORTS

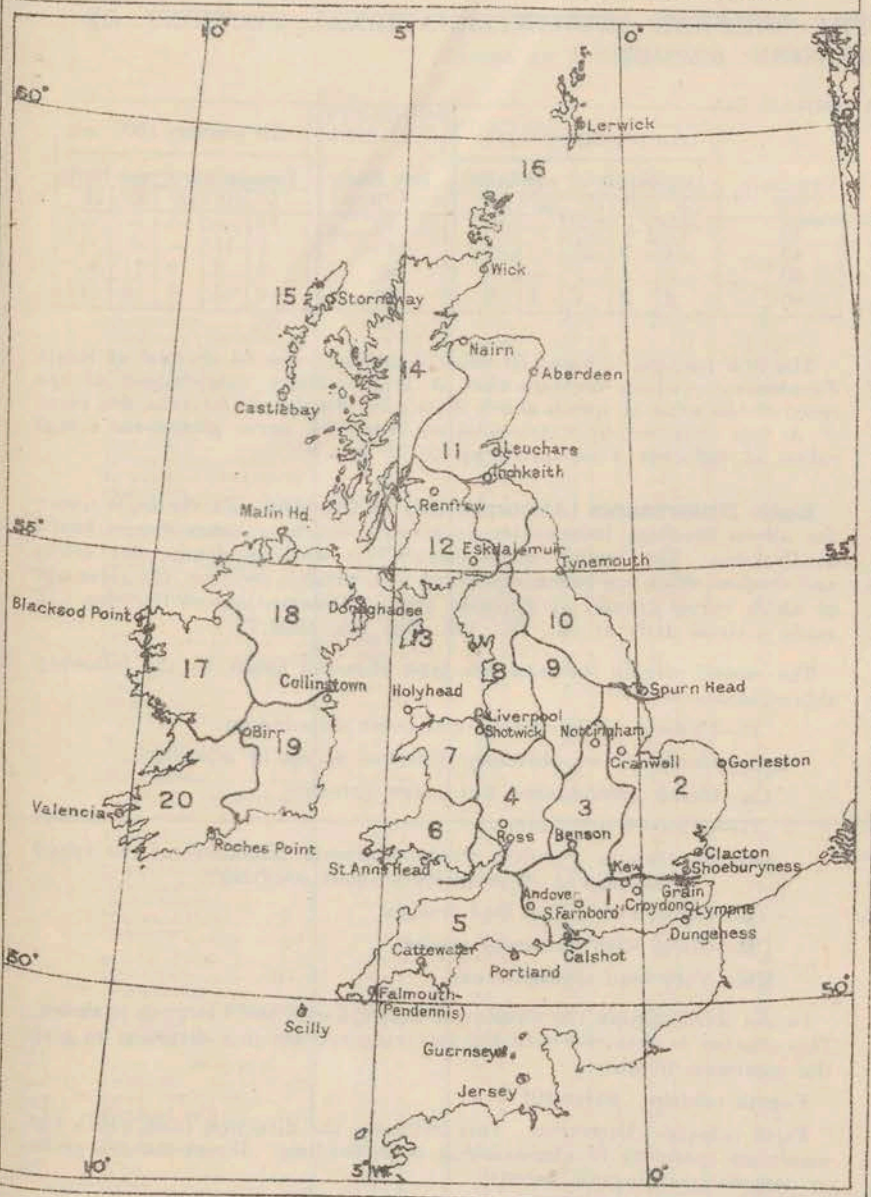
1ST JULY TO 30TH SEPTEMBER, 1922.



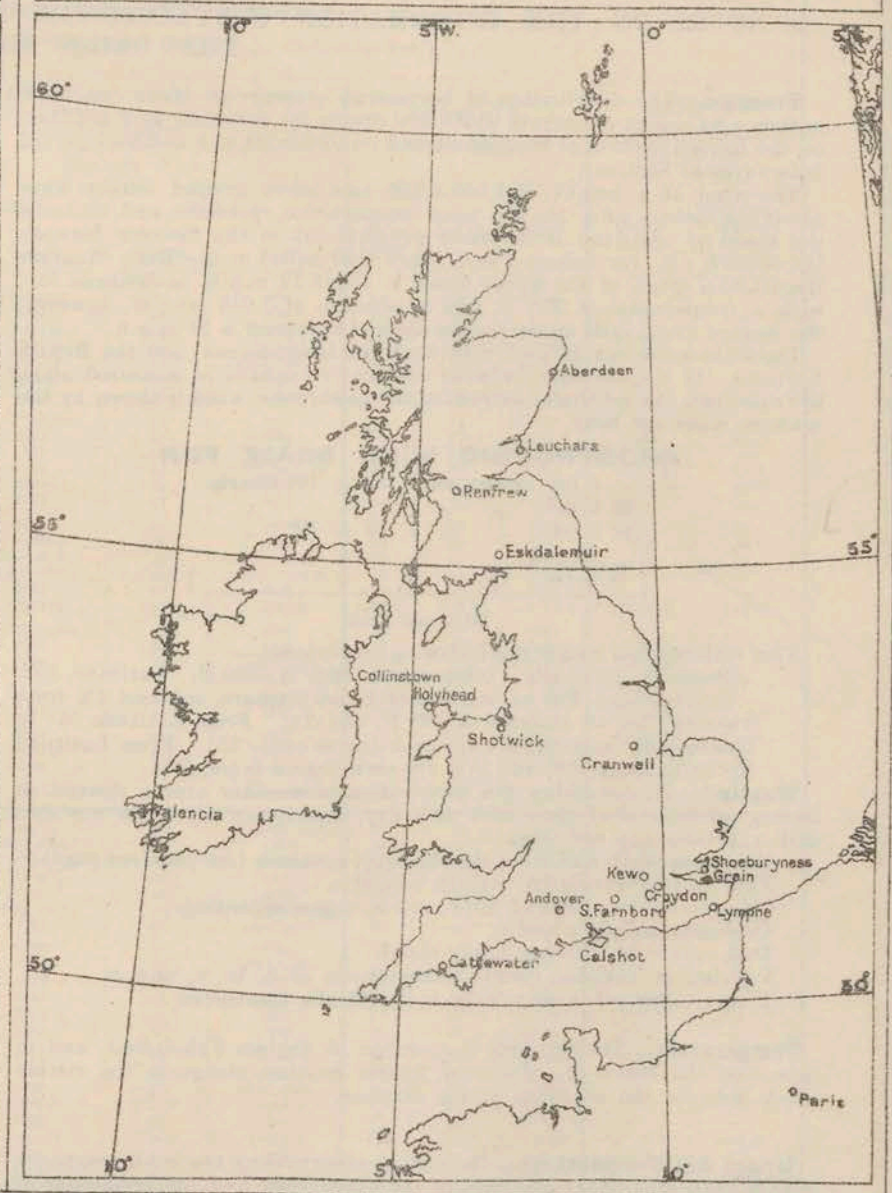
H.M. Stationery Office Press, Kingsway, W.C.2.

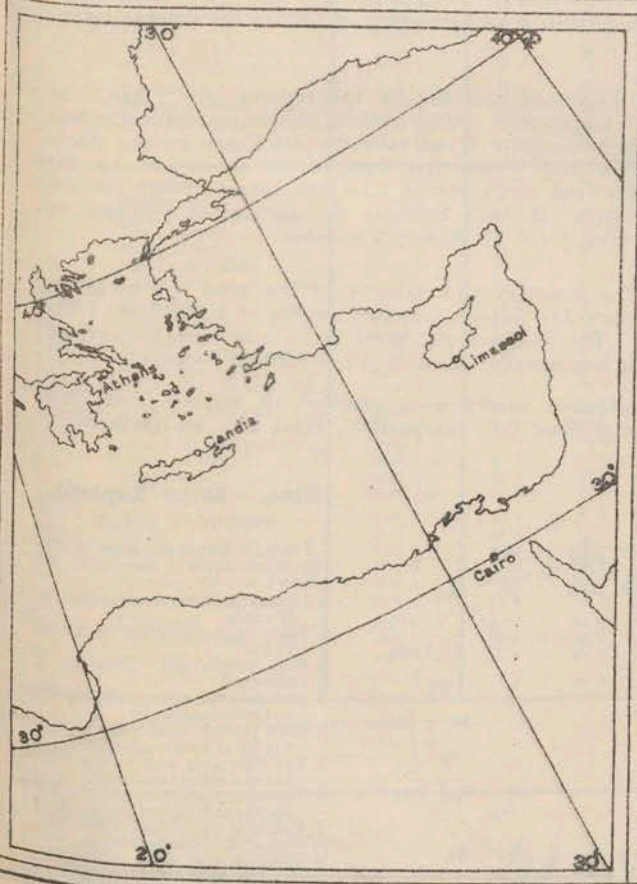
Ps 2070/612. No. 257. D. 735/RF. 1081 190. 10/22.

FORECAST DISTRICTS AND BRITISH STATIONS.



STATIONS USED FOR UPPER AIR SUPPLEMENT.





THE BEAUFORT SCALE OF WIND FORCE.

Beaufort Number.	Admiral Beaufort's General Description of Wind.	Specification for use on Land, based on observations made at Land Stations.	Limits of Mean Velocities Statute Miles per Hour.
0	Calm	Calm ; smoke rises vertically	Less than 1
1	Light air ..	Direction of wind shown by smoke drift	1-3
2	Slight breeze ..	Wind felt on face ; leaves rustle..	4-7
3	Gentle breeze..	Leaves and small twigs in constant motion ; wind extends light flag	8-12
4	Moderate wind	Raises dust and loose paper ; small branches are moved ..	13-18
5	Fresh wind ..	Small trees in leaf begin to sway ; crested wavelets on inland waters	19-24
6	Strong wind ..	Large branches in motion ; whistling heard in telegraph wires	25-31
7	High wind ..	Whole trees in motion ; inconvenience felt when walking against wind	32-38
8	Gale	Breaks twigs off trees ; generally impedes progress	39-46
9	Strong gale ..	Slight structural damage occurs (chimney pots and slates removed)..	47-54
10	Whole gale ..	Seldom experienced inland ; trees uprooted	55-63
11	.. .. ..	Very rarely experienced ; accompanied by widespread damage	64-75
12	Hurricane ..	.. ..	Above 75

BEAUFORT NOTATION.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three quarters covered).
o overcast sky. d drizzle.
f fog. h hail.
KQ line squall. l lightning.
m mist. p passing showers.

BEAUFORT NOTATION.

q squalls. r rain.
rs sleet, *i.e.*, rain and snow.
s snow. t thunder.
v unusual visibility.
w dew. x hoar frost.
y dry air ; humidity less than 60 per cent.
z dust haze ; the turbid atmosphere of dry weather.

WEATHER SYMBOLS.

Clear sky	○	Sky ¼ clouded	◔
Sky ½ clouded	◐	Sky ¾ clouded	◕
Overcast sky	●	Rain falling	●
Snow	✳	Sleet	✱
Fog	≡	Hail	▲
Thunder	T	Mist	≡°
Lightning	↯	Thunderstorm	T↯

Capital letters indicate intensity, suffix $_o$ indicates slight, and repetition of letters continuity, thus :–
R=heavy rain. rr=continuous moderate rain. r_or_o=continuous slight rain.

AIR MINISTRY.

METEOROLOGICAL OFFICE, LONDON.

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

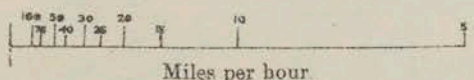
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section.

The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart (160 miles) in the Daily Weather Report the speed of the upper wind is about 12 m.p.h. in latitude 55°, with a temperature of 50° F. and a pressure of 1.015 mb; if, however, the isobars are ½ inch apart the corresponding speed is 24 m.p.h.

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

GEOSTROPHIC WIND SCALE FOR

4 mb isobars on $1 : 2 \times 10^7$ Charts.
or 2 mb „ „ $1 : 10^7$ „
or 1 mb „ „ $1 : 5 \times 10^6$ „



Miles per hour

This scale applies under the following conditions:—

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

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

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

Fine—mainly b and bc of the Beaufort notation (*see* previous page).
Fair or fair generally—mainly bc and c.
Cloudy—combinations of bc, c and o, c predominating.
Overcast—mainly c and o.
Dull—overcast with low heavy cloud.
Varying or variable cloud—combinations of b, bc, c, and o.
Precipitation when occurring is specifically mentioned.

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

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.

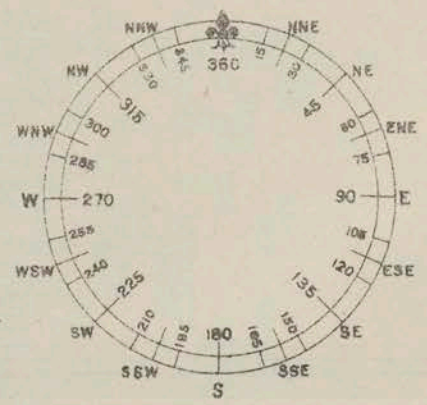
Fifth column. Direction. This indicates the direction from which the maximum intensity of atmospherics is proceeding. Directions are given in degrees (*see* diagram below).

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 5,000 feet. The data are also given in tabular form for various heights. The reports are usually based on Pilot Balloon ascents.

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



Note.—Ships' Reports.

VISIBILITY SCALE.

From 1st March the code in use for ships' reports has been as follows:—

0 Dense fog, objects not visible at 50 yards.
1 Thick fog, objects not visible at 1 cable.
2 Fog, objects not visible at 2 cables.
3 Moderate fog, objects not visible at ¼ mile (nautical).
4 Thin fog or mist, objects not visible at 1 mile (nautical).
5 Visibility poor, objects not visible at 2 miles (nautical).
6 Visibility moderate, objects not visible at 5 miles (nautical).
7 Visibility good, objects not visible at 10 miles (nautical).
8 Visibility very good, objects not visible at 30 miles (nautical).
9 Visibility exceptional, objects visible more than 30 miles (nautical).

DAILY WEATHER REPORT. APPENDIX I.

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

THIRD QUARTER, JULY TO SEPTEMBER.

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

	STATIONS.	PRESSURE 1906–1915.	AIR TEMPERATURE.							RAINFALL 1881–1915.			BRIGHT SUNSHINE. 1881–1915.	
			Means of			Absolute Extremes.								
			1906–1915.	1881–1915.		1881–1915.								
						Maximum.		Minimum.						
		7 a.m. Observations (reduced to M.S. Level).	Dry Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Temp.	Year.	Temp.	Year.	Days with Rain.	Total Fall.		Daily Mean.	Per Centage of Possible Duration.
		mb.	°F.	°F.	°F.	°F.		°F.			mm.	in.	hr.	%
JULY.	Lerwick	1012·5	51·7	57·0	48·2	70	1897, 1911	37	1888	17	58	2·29	—	—
	Stornoway	1013·1	53·5	60·2	48·9	76	1894	32	1888	21	77	3·03	4·68	27
	Castlebay (Barra Isd.)	[1013·2]§	[54·4]§	[58·7]§	[51·6]§	[73]§	[1914]§	[44]§	[1913]§	[18]§	[69]§	[2·70]§	[5·42]§	[32]§
	Eskdalemuir	[1014·8]¶	[53·8]¶	[62·8]‖	[46·9]‖	[83]‖	[1911]‖	[34]‖	[1914]‖	[16]‖	[90]‖	[3·56]‖	[5·10]‖	[31]‖
	Malin Head	1013·4	54·5	[60·6]*	[52·3]*	[79]*	[1911]*	[42]*	[1888, 1902]*	[19]*	[72]*	[2·84]*	—	—
	Blacksod Point	1014·8	56·1	[62·2]*	[53·2]*	[80]*	[1894]*	[42]*	[1898]*	[21]*	[80]*	13·15]*	—	—
	Valencia	1016·3	56·9	63·8	53·8	81	1911	40	1907	21	96	3·78	5·13	32
	Roche's Point	1016·5	56·6	64·7	53·7	76	1887, 1912	43	1907	15	73	2·88	—	—
	Birr Castle	1015·4	55·2	66·3	51·3	85	1911	37	1889	17	75	2·95	4·65	29
	Donaghadee	1014·6	54·5	63·2	51·8	80	1887	40	1883, 1902	17	71	2·80	—	—
	Liverpool (Observatory)	1015·1	56·6	65·7	54·2	88	1901	45	1888, 1907, 13	15	66	2·59	[6·03]§	[37]§
	Holyhead	1015·1	56·9	63·3	53·6	85	1901	43	1888	16	66	2·61	[5·87]**	[36]**
	Pembroke (St. Ann's Hd.)	1015·7	56·4	62·3	54·5	82	1911	43	1910	14	63	2·47	6·68	42
	Scilly (St. Mary's)	1016·7	57·9	64·8	56·2	78	1911	47	1910	15	56	2·22	6·97	45
	Falmouth	1017·0	58·6	65·8	55·1	80	1885	46	1897	15	72	2·84	7·26	46
	Jersey (St. Aubin's)	1017·4	60·2	63·3	56·4	87	1900, 1901	44	1907, 1909	13	53	2·10	7·94	51
	Portland Bill	1016·2	58·5	64·5	55·8	[79]†	[1901, 1912]†	[49]†	[1900, 1907]†	11	44	1·74	—	—
	Dungeness	1015·6	59·1	66·6	55·1	82	1900	40	1890	12	46	1·81	—	—
	Dover	[1015·5]§	[59·7]§	[65·7]§	[53·8]§	[87]§	[1911]§	[44]§	[1913]§	[14]§	[56]§	[2·19]§	[6·77]§	[43]§
	Wick	1012·9	52·6	60·6	48·4	80	1899, 1901	30	1885	18	67	2·63	—	—
	Nairn	1013·0	53·8	64·3	49·1	85	1901	36	1906	18	68	2·68	[4·52]‡	[27]‡
	Aberdeen	1013·5	55·1	62·8	50·3	83	1885	38	1898, 1903	17	71	2·81	5·13	30
	Leith	1013·7	55·8	65·8	51·4	83	1901	41	1887, 88, 92, 1903	16	65	2·55	—	—
	Tynemouth	1014·2	55·8	64·2	51·3	82	1911	39	1909	14	61	2·40	—	—
	Spurn Head	1014·4	57·4	65·0	54·3	86	1911	44	1888	12	45	1·78	[5·10]**	[31]**
	Yarmouth	1014·8	58·1	66·2	54·7	87	1881	42	1890	13	59	2·34	[6·45]§	[40]§
	Clacton-on-Sea	1015·5	58·8	67·7	54·7	[83]‡	[1911]‡	[40]‡	[1902]‡	11	49	1·92	7·00	44
	Nottingham	1015·2	57·0	69·7	52·2	92	1881	37	1883	15	61	2·38	5·71	35
	LONDON (Kew Obsy.)	1016·1	58·5	71·0	54·3	90	1881	43	1882, 1884	12	55	2·17	6·48	41
AUGUST.	Lerwick	1010·4	52·4	57·1	48·4	82	1910	38	1885, 95, 1909	20	76	3·01	—	—
	Stornoway	1011·4	53·3	60·0	49·0	75	1897, 1899	33	1888	22	101	3·97	4·29	28
	Castlebay (Barra Isd.)	[1012·1]§	[55·0]§	[59·3]§	[52·2]§	[75]§	[1911]§	[44]§	[1912]§	[18]§	[83]§	[3·27]§	[4·65]§	[31]§
	Eskdalemuir	[1014·0]¶	[51·8]¶	[61·8]‖	[46·5]‖	[79]‖	[1914]‖	[31]‖	[1912]‖	[18]‖	[122]‖	[4·79]‖	[4·19]‖	[29]‖
	Malin Head	1011·8	55·0	[61·0]*	[52·8]*	[80]*	[1900]*	[42]*	[1912]*	[21]*	[90]*	[3·52]*	—	—
	Blacksod Point	1013·0	56·6	[62·1]*	[53·4]*	[78]*	[1899, 1911]*	[42]*	[1887, 88, 1912]*	[22]*	[116]*	[4·58]*	—	—
	Valencia	1014·9	57·1	63·9	53·9	81	1899	42	1890, 1912	22	122	4·79	5·00	35
	Roche's Point	1015·3	56·8	64·5	53·7	78	1887	41	1912	18	95	3·78	—	—
	Birr Castle	1014·1	54·7	65·4	50·8	83	1911	35	1885, 1887	19	97	3·81	4·58	32
	Donaghadee	1015·2	54·5	63·1	51·9	78	1899	38	1895	19	84	3·32	—	—
	Liverpool (Observatory)	1014·0	56·7	65·0	53·9	87	1911	44	1885	17	78	3·08	[5·58]§	[38]§
	Holyhead	1014·0	57·5	63·4	54·0	86	1914	45	1888	17	81	3·18	[6·06]**	[42]**
	Pembroke (St. Ann's Hd.)	1014·8	57·4	62·8	55·1	82	1911	46	1912	16	80	3·15	6·16	43
	Scilly (St. Mary's)	1015·8	58·7	65·0	56·6	76	1911	48	1912	16	67	2·62	7·10	50
	Falmouth	1015·3	58·4	65·4	55·1	77	1909	44	1890	16	83	3·25	6·81	48
	Jersey (St. Aubin's)	1017·0	61·2	68·8	57·1	89	1893	45	1890, 1909	14	62	2·44	7·74	54
	Portland Bill	1015·6	59·6	65·2	56·5	[83]†	[1911]†	[47]†	[1912]†	12	54	2·12	—	—
	Dungeness	1015·4	59·7	67·3	55·5	82	1904	39	1890	13	50	1·98	—	—
	Dover	[1015·6]§	[59·9]§	[67·1]§	[54·2]§	[89]§	[1911]§	[44]§	[1913]§	[14]§	[58]§	[2·27]§	[6·87]§	[48]§
	Wick	1011·2	52·6	60·6	48·2	85	1893	30	1886	21	70	2·75	—	—
	Nairn	1011·4	53·2	63·7	48·7	86	1899	33	1885, 91, 1904	19	61	2·41	[4·13]‡	[28]‡
	Aberdeen	1012·2	54·5	62·4	49·9	81	1882, 99, 1905	33	1885	18	70	2·74	4·84	32
	Leith	1012·4	55·5	65·4	51·2	85	1893, 1906	38	1881, 1892	17	75	2·94	—	—
	Tynemouth	1013·2	55·5	64·2	51·1	83	1893	38	1912	16	70	2·75	—	—
	Spurn Head	1013·8	57·7	65·1	54·4	87	1893	45	1909	14	54	2·11	[5·55]**	[38]**
	Yarmouth	1014·7	58·1	66·3	54·2	85	1893	41	1902	14	63	2·47	[6·29]§	[44]§
	Clacton-on-Sea	1015·3	59·1	67·5	54·9	[85]‡	[1911]‡	[43]‡	[1908, 1915]‡	14	47	1·86	6·87	48
	Nottingham	1014·5	55·8	68·4	51·2	94	1911	37	1908	16	63	2·49	5·42	37
	LONDON (Kew Obsy.)	1015·8	58·0	69·7	53·5	94	1911	41	1890	13	57	2·24	6·03	42
SEPTEMBER.	Lerwick	1015·5	49·7	54·6	46·5	69	1898	34	1887, 1888	20	76	3·01	—	—
	Stornoway	1016·5	50·4	57·7	46·2	77	1906	32	1885, 1904	21	100	3·95	3·83	30
	Castlebay (Barra Isd.)	[1016·5]§	[52·8]§	[56·9]§	[50·2]§	[68]§	[1914]§	[39]§	[1915]§	[16]§	[70]§	[2·75]§	[4·00]§	[32]§
	Eskdalemuir	[1017·9]¶	[46·3]¶	[58·1]‖	[41·6]‖	[71]‖	[1914]‖	[27]‖	[1910, 11, 14, 15]‖	[12]‖	[60]‖	[2·36]‖	[4·27]‖	[34]‖
	Malin Head	1016·9	52·9	[58·9]*	[50·6]*	[84]*	[1906]*	[38]*	[1886]*	[17]*	[67]*	[2·62]*	—	—
	Blacksod Point	1017·6	54·6	[60·1]*	[51·1]*	[78]*	[1898]*	[39]*	[1899]*	[19]*	[99]*	[3·88]*	—	—
	Valencia	1018·4	54·1	61·8	51·3	79	1898, 1906	35	1899	18	105	4·14	4·43	36
	Roche's Point	1019·1	54·6	61·8	51·4	73	1895, 1906, 11, 13	39	1893	16	75	2·97	—	—
	Birr Castle	1018·5	50·9	62·1	47·0	80	1906	29	1899	15	58	2·29	4·20	34
	Donaghadee	1018·3	52·2	60·3	49·4	75	1906	36	1882, 94, 99, 1909	16	61	2·39	—	—
	Liverpool (Observatory)	1018·9	52·6	61·4	50·7	87	1906	39	1885, 1914, 15	15	61	2·41	[4·47]§	[36]§
	Holyhead	1018·5	54·9	61·0	51·8	77	1898	41	1912	15	68	2·68	[5·60]**	[45]**
	Pembroke (St. Ann's Hd.)	1018·6	54·7	60·8	52·8	74	1895	40	1885	14	69	2·73	5·00	40
	Scilly (St. Mary's)	1018·5	56·6	62·5	54·7	74	1911	44	1885, 88, 1912	15	62	2·45	5·60	45
	Falmouth	1019·3	55·1	62·1	52·7	75	1906	36	1885	15	74	2·91	5·43	44
	Jersey (St. Aubin's)	1019·3	57·7	66·0	54·6	89	1906, 1911	41	1891	14	61	2·41	6·20	50
	Portland Bill	1018·7	56·8	62·9	54·1	[75]†	[1911]†	[42]†	[1915]†	12	48	1·88	—	—
	Dungeness	1018·4	55·5	64·3	52·0	81	1906	32	1885	13	52	2·05	—	—
	Dover	[1018·5]§	[55·4]§	[63·8]§	[50·9]§	[87]§	[1911]§	[38]§	[1915]§	[12]§	[50]§	[1·96]§	[6·33]§	[51]§
	Wick	1016·2	50·1	57·8	45·9	78	1898	29	1885, 87, 1907	19	64	2·50	—	—
	Nairn	1016·7	48·9	60·4	44·9	84	1906	25	1892	17	56	2·20	[3·87]‡	[31]‡
	Aberdeen	1017·5	50·6	59·2	46·7	82	1906	30	1887	17	56	2·22	4·13	33
	Leith	1017·8	51·2	61·8	47·6	83	1898	33	1886, 1905	13	45	1·76	—	—
	Tynemouth	1018·3	51·2	60·7	47·8	88	1906	34	1885, 89, 93, 1907	13	46	1·80	—	—
	Spurn Head	1018·2	54·3	61·4	51·7	79	1899	38	1892, 1909	12	36	1·42	[5·83]**	[47]**
	Yarmouth	1018·4	54·7	62·5	51·5	80	1911	33	1885	13	50	1·96	[5·23]§	[42]§
	Clacton-on-Sea	1018·8	55·2	63·3	51·6	[79]‡	[1906]‡	[38]‡	[1904, 1915]‡	9	42	1·64	5·87	47
	Nottingham	1019·0	50·7	64·0	47·4	94	1906	30	1887	14	42	1·65	4·20	34
	LONDON (Kew Obsy.)	1019·4	52·3	64·9	49·3	92	1906	33	1887	12	48	1·87	4·83	39

* 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.
March, 1916.

7055—

‡ The barometric change is expressed in half millibars.

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 SEPTEMBER, 1922.

The first month of autumn was not marked by any definite change from the dull, damp, cool weather which had characterised the preceding summer. As in August rainfall was in some localities below the normal but in others the excess was much more considerable. In London and some Midland areas there was a small deficit but in eastern and northern England the total was in some cases 50% to 100% above the average. Amongst the heaviest falls in a day was 42 mm. at Holyhead on the 12th when a depression off the Hebrides moved southeast causing gales in S. Wales and local thunderstorms in southern England on the following day.

Under the influence of anticyclonic conditions which spread to the British Isles about the 5th - 7th temperature rose slightly above the normal and touched 70° at Calshot, Collinstown Rhyl and Southport. Another brief spell of warm weather was experienced in the South between the 20th and 22nd and it was upon the 21st that the highest readings for the month were recorded in southeast England. It may, however, be of interest to note that the same day was the coldest further north, e.g. at Tynemouth and Eskdalemuir. Northerly winds in the rear of a depression over Norway and the Icelandic region had brought a supply of polar air which might soon have affected the southern counties had not a shallow trough of low pressure developed near the Irish Sea thus diverting the cold air westwards.

An unusually deep depression over the Atlantic caused violent gales on the 25th when a westerly hurricane was reported by wireless from the Aquitania about 700 miles west of the Scilly Isles.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

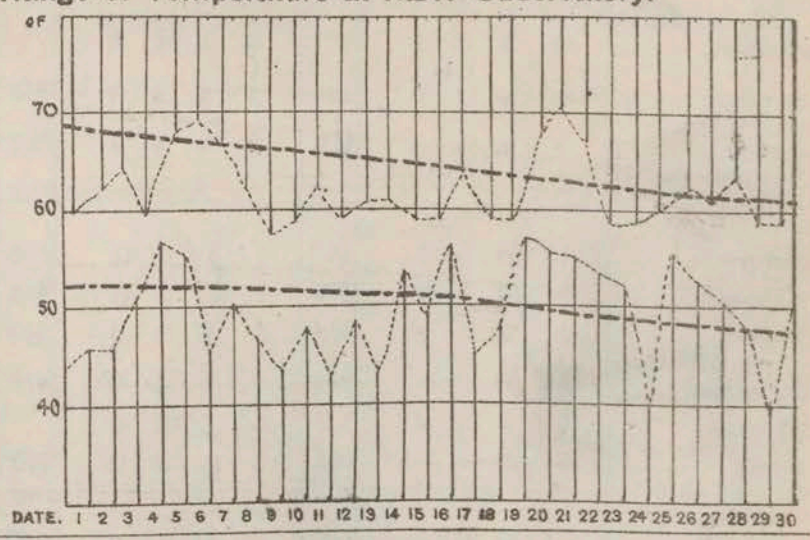
		Land Reports.
0. Dense fog.	Objects not visible at	55 yards.
1. Rather thick fog	" "	220 "
2. Very bad	" "	550 "
3. Bad	" "	1,100 "
4. Very poor	" "	1¼ miles.
5. Poor	" "	2½ "
6. Moderate	" "	6¼ "
7. Good	" "	12½ "
8. Very good	" "	31¼ "
9. Excellent	"	beyond 31¼ "

For making reports of visibility a set of "objects" is chosen at each station at certain specified distances. The degree of visibility is judged by noting the most distant of these objects which can be seen at the time of observation.

Daily Range of Temperature at KEW Observatory.

The upper pecked curve indicates the maximum temperature recorded each day throughout the month between 7h. and 18h.; the lower curve indicates the minimum temperature recorded each night between 18h. of one day and 7h. of the next.

The two nearly horizontal chain lines show the normal trend of day maximum and night minimum temperature.



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

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

SUMMARY OF RECORDS OF TEMPERATURE, SUNSHINE,

Equivalents of Temperature. A°.	F°.
263·6	15
263·0	23
268·6	24
273·0	32
273·6	33
278·0	41
278·6	42
283·0	50

STATIONS.	TEMPERATURE. Number of daily readings within fixed limits. † Maximum. 42 – 50	51 – 59	60 – 68	69 – 77	Normal Max. °F.	† Minimum. 24 – 32	33 – 41	42 – 50	51 – 59	Normal Min. °F.	Extremes—Warmest and Coldest Days. Highest Maximum. °F.	Date.	Lowest Maximum. °F.	Date.	Nights. Highest Minimum. °F.	Date.	Lowest Minimum. °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 ...	1	27	2	0	57·7	2	4	22	2	46·2	60	16, 13	49	17	54	5	32	23, 25	*	19	11	0	18	11	0	19	6	0
Aberdeen ...	0	25	5	0	59·5	0	7	15	8	46·6	67	11	52	15, 27	53	14	34	22	5	2	23	1	3	25	0	2	23	2
Edinburgh ... (Inchkeith)	*	*	*	*	*	0	2	16	?12	*	*	*	*	*	?53	14	33	23	?2			*	*	*	*	*	*	*
Renfrew	0	18	12	0	*	3	7	14	6	*	68	2, 8	53	1	52	4, 12, 28	30	18	8	4	18	4	3	20	3	3	16	5
Eskdalemuir ...	4	19	7	0	*	5	7	18	0	*	68	4	48	21	50	27	29	16, 18, 30	5	10	17	1	4	25	0	5	23	0
Dublin ... ... (Phœnix Park)	*	*	*	*	61·9	*	*	*	*	46·1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Collinstown ...	0	16	13	1	*	0	7	12	11	*	70	5	56	9, 15, 25, 29	54	25, 27	34	18	*	9	17	0	10	20	0	8	17	0
Birr Castle ...	*	*	*	*	62·1	*	*	*	*	47·0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Valencia ... ... (Cahirciveen)	*	*	*	*	61·8	*	*	*	*	51·3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth ...	1	24	5	0	60·7	0	3	15	12	47·8	65	19	50	21	54	6	37	18	*	0	30	0	0	23	0	0	24	0
Holyhead ...	0	22	8	0	61·0	0	0	9	21	51·8	65	4, 5	55	12, 15, 20	56	21	46	10, 11	0	9	17	0	10	16	1	6	19	2
Liverpool ... (Bidston)	0	19	11	0	61·4	0	0	19	11	50·7	66	5	55	12, 15, 29	55	6, 7, 21	42	10	0	9	18	1	3	25	1	3	24	0
Nottingham ...	0	10	19	1	64·0	0	4	12	14	47·4	69	6	51	16	57	20	38	23	0	7	14	0	8	22	0	4	23	0
Cranwell	0	9	21	0	*	0	8	16	6	*	68	6, 21	55	15	56	20	37	23	0	6	16	4	2	27	1	3	24	3
Gorleston ...	0	13	16	1	62·5	0	1	14	15	51·5	71	21	57	15, 23	59	20	40	16	1	0	17	3	0	25	2	0	22	3
Ross-on-Wye ...	0	10	18	2	65·3	0	5	14	11	47·7	70	21	54	12	59	20	35	30	0	9	14	3	1	25	3	5	18	5
Benson	0	9	18	3	*	1	6	15	8	*	71	21	57	12, 16, 29	59	20	32	30	5	*	*	*	*	*	*	*	*	*
London ... ... (Kew Obsy.)	0	11	17	2	64·9	0	3	14	13	49·3	71	21	57	5	58	20	39	16, 30	2	4	21	1	2	24	3	3	19	4
Croydon	0	~~12~~ 14	14	2	*	0	4	16	10	*	70	20, 21	56	24	59	20	37	16	2	13	9	1	4	24	1	5	20	4
Grain	0	9	18	3	*	0	5	14	11	*	70	20	55	24	59	20	35	12, 16	2	4	16	0	0	29	0	0	22	0
Lympne	0	14	14	2	*	0	2	16	12	*	70	20	55	24	57	5	38	30	1	17	6	2	7	22	0	4	22	2
Southampton ... (Calshot)	0	6	22	2	*	0	1	14	15	*	71	5	58	12, 16	58	5	40	30	0	5	19	0	0	28	1	2	15	7
Falmouth ... (Pendennis)	0	15	15	0	*	0	0	6	24	*	67	6	56	15	57	20	45	10	*	4	22	1	1	28	1	0	23	2

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	1860	50	?53	1	50	7	-	-
850	4870	44	46	1	42	6	-	-
750	8210	36	35	1	33	7	-	-
650	11950	24	-	-	23	2	-	-
550	16200	11	-	-	-	-	-	-

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.	COLLINSTOWN. 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	30	4	23	2	1	0	34	10	18	6	0	0	62	7	42	12	1	0
5,000	16	5	10	1	0	0	13	3	9	1	0	0	26	6	14	6	0	0
10,000	3	0	1	2	0	0	3	0	2	1	0	0	4	0	3	1	0	0
15,000	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0

† Since March 1st, 1921, the readings used have (except in the case of Phœnix Park) been the maximum for the period 7h.–18h., and the minimum for the period 18h.–7h. Previously the period was 7h.–7h.

RAINFALL, HUMIDITY AND LOW CLOUD, ...SEPTEMBER....., 1922.

Equivalents of Temperature. A°.	P°.
283·6	51
288·0	59
288·6	60
293·0	68
293·6	69
298·0	77
298·6	78
303·0	86

STATIONS.	Sunshine. Number of Days with duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months. hours.	Difference from average. hours.	Total for Month. hours.	Difference from average. hours.	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. mm.	Difference from Average. mm.	Total for Month.* mm.	Difference from Average. mm.	Days with Thunder.	Days with Snow or Sleet.
Stornoway ...	8	7	5	6	4	10·7	1	1196	-63	113	-2	8	8	11	3	0	0	15	16	1316	+50	79	-21	0	0
Aberdeen ...	6	13	5	5	1	10·4	6	1191	-196	83	-41	12	8	6	3	1	0	20	26	722	-26	73	+17	0	0
Edinburgh ... (Inchkeith)	7	11	6	3	3	10·3	29	*	*	89	*	14	6	8	2	0	0	8	30	524	*	41	*	0	0
Renfrew	5	12	5	5	3	11·4	15		*	94	*	11	10	6	3	0	0	9	17	938	*	45	*	0	0
Eskdalemuir ...	9	10	3	2	6	11·2	9	1172	*	98	*	13	2	10	4	1	0	15	16	1410	*	77	*	0	0
Dublin ... ... (Phœnix Park)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Collinstown ...	3	12	6	4	5	10·9	4, 7	*	*	125	*	13	5	8	4	0	0	11	18	*	*	62	*	0	0
Birr Castle ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Valencia ... ... (Cahirciveen)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	12	9	2	6	1	0	24	21	648	+27	97	+51	0	0
Holyhead ...	7	8	6	6	3	11·8	9	1565	*	109	*	12	6	9	1	1	1	42	12	821	-67	91	+23	0	0
Liverpool ... (Bidston)	6	11	8	3	2	12·4	10	1452	*	97	*	15	4	7	4	0	0	10	12	742	+33	58	-3	1	0
Nottingham ...	4	12	9	3	2	10·2	10	1197	-128	93	-33	17	5	4	4	0	0	9	14, 30	700	-102	42	0	1	0
Cranwell	4	8	11	4	3	10·3	10	1599	*	115	*	17	6	3	3	1	0	18	14	640	*	54	*	1	0
Gorleston ...	*	*	*	*	*	*	*	*	*	161	*	12	8	4	4	2	0	17	10, 14	716	+94	82	+32	1	0
Ross-on-Wye ...	5	10	7	5	3	10·1	10	1488	*	115	*	16	4	7	3	0	0	11	12	688	-30	43	-8	1	0
Benson	*	*	*	*	*	*	*	*	*	*	*	18	3	5	4	0	0	11	14	612	*	46	*	1	0
London ... ... (Kew Obsy.)	2	15	6	4	3	11·1	18	1503	+28	107	-38	19	4	5	2	0	0	14	19	529	-77	41	-7	1	0
Croydon	4	13	6	4	3	10·8	18	1590	*	110	*	15	7	5	3	0	0	13	14	604	*	50	*	0	0
Grain	5	8	7	5	5	11·6	11	1645	*	141	*	17	4	5	4	0	0	14	30		*	58	*	0	0
Lympne	4	5	9	7	5	11·2	18	1799	*	150	*	12	6	3	7	2	0	16	13	660	*	114	*	2	0
Southampton ... (Calshot)	2	11	4	8	5	11·7	10	1762	*	144	*	15	8	5	2	0	0	10	12	583	*	31	*	1	0
Falmouth ... Observatory	6	7	6	5	6	11·7	10	1617	-142	133	-30	16	6	4	2	1	1	27	12	1108	+1	75	+1	1	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	1	9	4	3	11	2	0	0
Renfrew	0	1	9	9	7	4	0	0	0
Eskdalemuir ...	1	2	4	9	5	6	2	1	0
Valencia	*	*	*	*	*	*	*	*	*
Benson	0	0	1	9	11	8	1	0	0
London ... ... (Kew Obsy.)	0	0	2	6	10	9	3	0	0
Falmouth ...	1	2	11	7	7	6	0	0	0

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 shew 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.

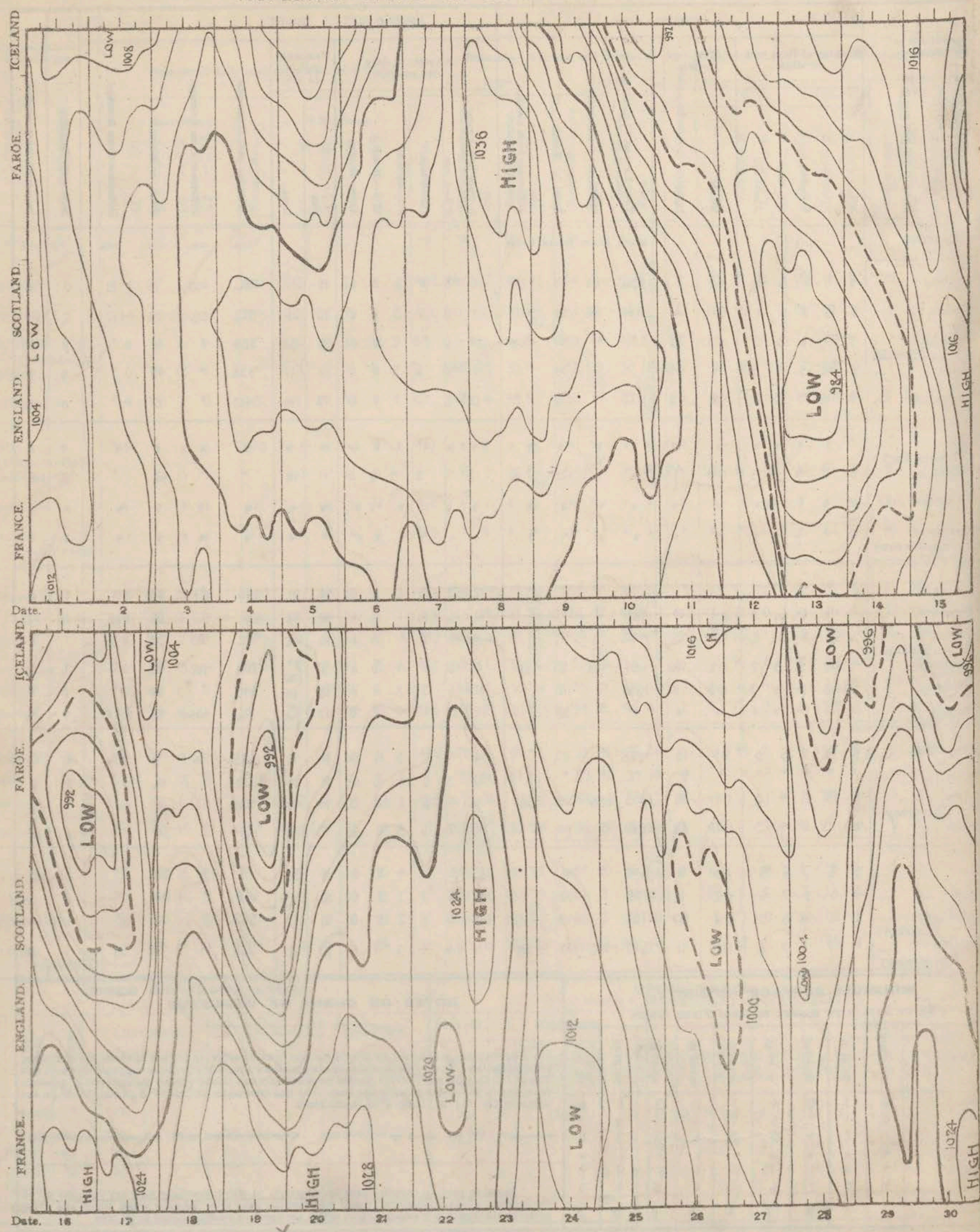
——— = 1,020 mb. — — — = 1,000 mb. ×—×—×—× = 980 mb. —o—o— = 960 mb.

* 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 SEPTEMBER 1922.

ISOPLETHS* BASED ON SIX-HOURLY OBSERVATIONS.



* For explanation see page 3.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22199 FRIDAY, 1ST SEPTEMBER 1922.

STATIONS.	1300 G.M.T. 31st: 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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9	1800 G.M.T. 31st: 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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick ...	1003·2	+0	SE	1	fo-	55	97	1	-	-	0	ASt	10	*	1003·7	0	SSE	2	o	54	97	5	1500	St	5	ASt	10	1
Stornoway ...	999·5	0	E	1	or₀r₀	55	92	5	450	St	10	-	10	*	1002·2	+3	E	1	or+	54	92	5	450	St	10	-	10	0
Wick ...	999·1	+1	SSE	3	c/f	56	85	7	4000	CuNb	5	CiCu	8	*	1001·4	+3	S	1	mo	54	97	6	450	St	8	ACu	10	0
Castlebay ...	1001·1	+2	NW	3	od₀d₀	52	92	6	450	Nb	10	-	10	*	1002·4	+3	NW	3	bc	52	92	8	1500	St	6	-	6	3
Nairn ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1001·5	*	Calm	0	c	58	85	8	5700	StCu	7	-	7	*
Aberdeen ...	999·7	+1	SE'S	1	o/r	56	97	6	800	St	10	-	10	*	1002·0	+4	S'E	1	bc	56	92	6	450	St	6	-	6	0
Malin Head ...	1000·6	+2	NW	4	od₀d₀	52	92	6	800	Nb	10	-	10	*	1002·2	+1	NW	3	bc-	54	92	7	5700	Nb	3	ACu	6	3
Renfrew ...	999·2	+1	WNW	2	c/r	57	92	5	7200	StCu	8	-	8	*	1000·9	+3	WSW	1	o/r	55	97	4	1500	St	10	-	10	*
Edinburgh (Inchkeith)	998·9	+1	NE	1	mmo	57	85	5	-	StCu	10	-	10	*	1000·9	+1	S	1	c/f	57	75	8	-	StCu	6	ACu	8	1
Leuchars ...	999·3	+1	ENE	1	mmo	56	92	6	1500	St	10	-	10	*	1001·2	+4	S	1	b-	59	75	7	4000	StCu	2	ACu	3	
Eskdalemuir ...	1000·1	+2	SSE	2	od₀d₀	53	92	6	800	Nb	10	-	10	*	1001·4	+1	SSE	3	or₀	53	85	7	800	Nb	10	-	10	*
Tynemouth ...	1000·2	+2	WSW	3	bc/f	61	65	6	4000	Cu	6	-	6	*	1001·6	+1	SW	1	bc-	60	75	5	4000	Cu	2	ACu	5	0
Blacksod Point ...	1003·0	+2	W	2	bc-	57	75	9	-	-	0	CiCu	4	*	1004·5	+2	NW	2	bc/r	56	85	9	-	CuNb	4	-	4	0
Donaghadee ...	1001·3	+1	NW	1	o	55	85	7	2500	St	10	-	10	*	1002·5	+2	NW	1	or₀r₀	54	92	6	1500	St	10	-	10	0
Birr Castle ...	1002·6	*	W	1	c-	51	75	8	4000	StCu	8	-	8	*	1003·9	*	W	2	c	56	85	9	4000	CuNb	8	-	8	*
Collinstown ...	1002·6	+2	W'N	4	or₀r₀	53	97	6	800	Nb	10	-	10	*	1004·3	+2	NW'W	3	o/r	53	92	8	2500	St	9	-	9	*
Holyhead ...	1000·6	+2	SW	4	odd	53	97	4	<225	St	10	-	10	*	1002·5	+2	W'N	4	orr	54	97	6	450	Nb	10	-	10	0
Liverpool (Bidston) ...	1000·8	+2	SSW	2	o/r	58	65	7	1500	CuNb	10	-	10	*	1002·3	+1	SW	1	o	56	85	7	2500	CuNb	10	-	10	2
Chester (Shotwick) ...	1000·4	+1	SSW	4	opr₀	58	65	9	2500	StCu	10	-	10	*	1001·6	+2	SW	2	opr₀	55	85	8	2500	St	10	-	10	*
Spurn Head ...	1003·5	+2	S	4	c	65	55	7	4000	Cu	8	-	8	*	1003·2	0	S'E	1	c	57	92	7	4000	StCu	8	-	8	3
Nottingham ...	1002·3	*	WSW	2	o+	60	65	7	1500	StCu	9	-	9	*	1003·0	*	SW	1	c	59	75	7	2500	StCu	5	ACu	8	*
Cranwell ...	1003·4	0	S'E	4	o	59	65	7	2500	StCu	10	-	10	*	1003·5	0	SE	2	o	55	92	7	5700	StCu	10	-	10	*
Gorleston ...	1005·3	+1	S'E	5	o+	61	85	7	4000	StCu	10	-	10	*	1005·3	0	S	5	c/r	59	85	7	2500	CuNb	6	CiSt	8	4
Valencia (Cahirciveen)	1005·6	+2	NNW	2	bpr₀	55	97	9	-	Cu	3	-	3	*														
Roches Point ...	1004·0	0	WNW	4	c+	60	65	8	4000	StCu	8	-	8	*	1005·5	+1	WNW	3	o	57	75	8	4000	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1004·4	+2	W'N	4	cjp	55	75	8	1500	CuNb	8	-	8	*	1004·8	+1	W'N	4	cPR	54	85	8	1500	CuNb	8	-	8	6
Ross-on-Wye ...	1002·4	+1	SW	3	bc	62	55	8	4000	StCu	3	CiSt	5	*	1003·7	+2	SW'W	3	bc	55	75	8	4000	StCu	3	ACu	6	*
Benson ...	1003·0	-1	SSW	1	o/r	60	65	8	-	StCu	9	-	9	*	1004·8	+1	S	1	ctr₀	53	85	8	-	Cu	8	-	8	*
Andover ...	1003·2	0	SW	3	opr₀	61	75	8	800	StCu	9	ACu	10	*	1005·8	+1	W	3	o/r	56	75	8	4000	StCu	10	-	10	*
S. Farnborough ...	1003·2	-0	WSW	2	cr₀	59	75	8	1500	Nb	9	-	9	*	1005·1	+1	WSW	3	bc	55	85	7	2500	St	3	CiSt	4	*
London (Kew Obsy.) ...	1003·2	-2	SW	2	bc/r	60	75	8	4000	Cu	5	-	5	*	1004·6	+1	WSW	1	b	58	75	8	2500	CuNb	1	-	1	*
Croydon ...	1003·5	-1	S'W	2	c/r	61	75	8	2500	Cu	8	-	8	*	1005·0	+2	WSW	2	bc/tlr	56	85	8	2500	CuNb	6	-	6	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1003·8	0	WSW	4	bc	62	75	7	4000	Cu	5	-	5	2
Shoeburyness ...	1003·6	-2	S'E	2	c-	63	75	7	5700	StCu	7	ACu	8	*	1004·0	+2	S	2	bc-	59	75	8	5700	Cu	3	ACu	4	*
Grain ...	1003·4	-2	SSE	4	c/r	62	75	8	2500	Cu	5	ASt	8	*	1004·8	+3	WSW	4	b-	57	75	8	4000	CuNb	1	Ci	2	0
Lympne ...	1004·5	-1	SSW	3	o-	57	92	8	800	Nb	9	-	9	*	1005·6	+1	SW	2	b-	58	85	8	2500	Cu	1	Ci	2	*
Scilly (St. Mary's) ...	1006·1	0	WNW	3	c+	59	75	8	4000	CuNb	3	ASt	8	*	1007·1	+1	WNW	3	c	55	75	8	2500	CuNb	5	ASt	8	4
Falmouth (Pendennis)	1005·2	+1	W	5	c+	61	65	9	2500	Cu	7	-	7	*	1007·1	+2	W	3	o+	55	85	8	4000	CuNb	9	-	9	0
Plymouth (Cattewater)	1004·7	+1	W	4	cjp	58	65	8	2500	CuNb	8	-	8	*	1006·4	+3	W	3	ojp	55	75	8	4000	CuNb	7	ACu	10	0
Portland Bill ...	1002·9	+2	WSW	3	b-	58	75	7	-	-	0	CiCu	2	*	1004·9	+2	WSW	4	bc+	59	75	7	4000	StCu	5	-	5	4
Southampton (Calshot)	1004·0	0	SW	3	c/r	58	75	8	2500	CuNb	3	ASt	7	*	1005·4	+2	W	4	bc-	58	75	8	4000	StCu	4	-	4	0
Dungeness ...	1004·5	-1	SW	4	c+	61	75	8	4000	Nb	5	CiCu	7	*	1005·1	0	SW	4	bc-	59	85	8	4000	Cu	2	CiCu	5	4
Jersey ...	1005·4	+1	W	3	b/r	61	75	8	4000	StCu	2	-	2	*	1007·4	+1	SW	3	b	59	65	8	4000	StCu	3	-	3	3

LONDON OBSERVATIONS. (Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 1st)	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	omorbc	otlrcb	bbmwom	*	*	35	4	-	3·9	*	*
Croydon } 24 hours ended 0700	obcd r₀	cop HHR	brbkbpw	*	*	39	2	1r	3·9	*	*
Greenwich (Royal Obsy.) ..	or c	corct	bbcjp	65	44	33	3	-	3·8	88	74
City (Bunhill Row) ..	*	*	*	*	*	*	*	*	4·0	*	*
Westminster (St. James' Pk.)	*	*	*	65	45	39	2	-	4·3	?	79
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	4·3	*	*
Camden Square.. ..	od	bcp	*	66	46	44	3	-	*	*	80
Kensington Palace ..	p	opt	*	63	45	37	4	-	*	79	80
Hampstead Observatory ..	*	*	*	62	45	37	3	-	4·2	*	83

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 31st

South Kensington: Max.	Time.	Min.	Time.
0.5	30th 20h		
0.6	31st 7h	<0.3	31st 1-2h
Kew Observatory: Max.	**Time.**	**Min.**	**Time.**
0.3	30th 18h		
1.0	31st 9h	<0.3	30th 23h

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 31st 19 h. 45 m. to 1st 04 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	8·30	8·18	98
δ Ursae Minoris	8·30	8·0	94

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	CC₂	7	-	115°
18h.	C₈	8	-	155°
21h.	C₈	8	9	95°
07h.	C₈	9	9	100°

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

1st & 2nd SEPT., 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	5·5 5·7	11·53 11·53	6·41 6·39
Greenwich ...	5·14 5·16	12·0 12·0	6·46 6·44
Wick ...	5·13 5·15	12·12 12·12	7·11 7·9
Valencia ...	5·54 5·56	12·41 12·41	7·28 7·26

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
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

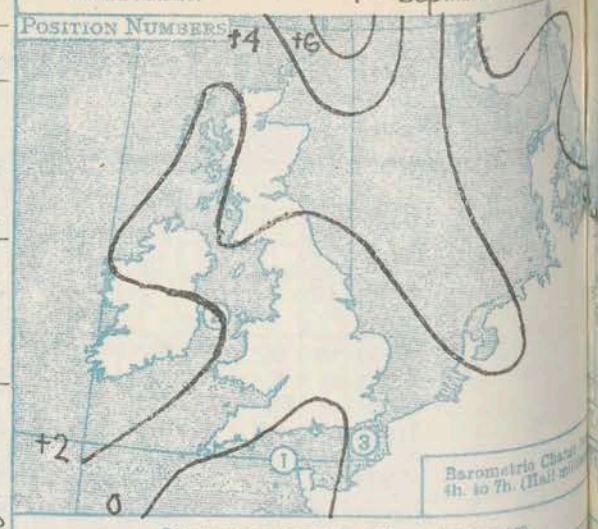
For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

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. Hours.
Lerwick	r-d	omc	F	F	55	51	*	0·3	-	<0800	-	*
Stornoway	r-d	r-d	p	oo	56	47	*	5	2	-	-	0·0
Wick	f-m	oo	oF	oo	57	48	*	0·4	-	<0800	-	*
Castlebay	rof	roc	coc	co	54	41	*	2	-	-	-	1·6
Nairn	cdbec		cqm	mo	61	52	*	0·3	-	0900	-	3·5
Aberdeen	omir.	ocm	cbmw	bmwow	59	47	42	trace	-	<0800	-	1·6
Malin Head	mdod.	mdobc	c	c	54	50	*	1	-	-	-	1·1
Renfrew	omfudf	cofrrm	ocm	bc bmw	60	51	48	10	trace	<0800	-	0·6
Edinburgh (Inchkeith)	f-m	f-m	bbc	c	60	49	42	0·1	-	17.30	-	2·2
Leuchars	p	ocbc	f r m	f r m	61	44	?	trace	-	11.00	-	1·6
Eskdalemuir	oidom	oldm	ocb	bw	58	42	37	1	-	-	-	2·3
Tynemouth	m	cbem	bcm	cm	62	49	42	-	-	-	-	*
Blacksod Point ...	b-bc	b	b	c	50	41	*	1	0·3	1530	-	*
Donaghadee	c	oir	cmp	bc	?	48	*	2	1	16.30	<2100	*
Birr Castle	codru	co	cprc	co	61	49	46	trace	1	<0800	<2100	*
Collinstown	oirom	orrm	obco	oo	53	46	*	4	-	0900	-	0·2
Holyhead	oddm	orrm	o Rrr	oo	54	53	51	13	4	<0800	<2100	0·0
Liverpool (Bidston) ...	obcpro	bcc	r o d	r o d	60	52	50	-	13	-	2400	2·0
Chester (Shotwick) ...	copro	opro	or	ormbr	60	52	50	0·2	15	12.30	<2100	*
Spurn Head	b-bc	p	bbc	bbc	68	52	*	trace	trace	14.30	<2100	7·3
Nottingham	cb	c	cb	bbcmw	63	44	41	-	-	-	-	5·4
Cranwell	dbco	pro	bbc	cam	63	46	42	trace	-	13.30	-	5·5
Gorleston	bbccq	odpre	bcbw	bw	63	47	43	0·1	-	13.30	-	0·0
Valencia (Cahirciveen)	bcp											
Roches Point	bcc	cpro o					*	0·2		16.30		*
Pembroke (St. Ann's H.)	p	p	cr	c	56	50	*	4	0·2	13.30	2400	2·3
Ross-on-Wye	bbcc	bcbbc	cobcor.	odo	63	49	47	trace	0·6	14.30	2400	7·2
Benson...	ro	ber	robc	ow	62	42	37	4	1	15.30	<2100	*
Andover	oroop	op	bccw	bccw	62	47	35	1	0·1	<0800	-	2·6
S. Farnborough ...	rocdor.	otlrcbc	occo	o	61	41	35	11	-	<0800	-	2·5
London (Kew Obsy.) ...	ormorbc	otlr cb	bbmw	omwcmw	63	44	35	4	-	0900	-	3·9
Croydon	obcdor.	copttlR	bcbw	bcpwm	63	45	39	2	trace	<0800	<2100	3·9
Clacton-on-Sea ..	bccdc		bcw	bbcmw	62	48	43	-	-	-	-	6·7
Shoeburyness	oo	cbc	bcm	cm	69	43	34	trace	trace	15.30	-	6·0
Grain	crrpc	cbcb	bbc	bcbcw	66	45	37	0·4	trace	<0800	-	3·6
Lympne	coro.pr	c	bbc	bbccw	62	45	33	0·1	-	<0800	-	6·0
Scilly (St. Mary's) ..	p	cpq	cpbc	c	61	53	*	3	-	1100	-	7·6
Falmouth (Pendennis)	bcc	cpop	cp	cpbc	61	51	*	3	0·6	<0800	<2100	7·2
Plymouth (Cattewater)	p	c	oprb	bdbcm	59	48	45	2	0·4	1100	<2100	5·0
Portland Bill	c	c	oo	c	62	52	*	-	-	-	-	*
Southampton (Calshot)	r·d	oo	p	oo	63	50	47	1	1	<0800	2200	6·5
Dungeness	prot	c	p	iR	63	48		0·3	1	<0800	2200	*
Jersey 7h / Guernsey 1h	oRb	b	odrrb	b	62	52	*	8	5	0900	2200	6·0

ISALLOBARS. 1st. September



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
5	31st 0200	Brighton	SW	4	bcv	58	60
2	31st 1010	Scotia	W	5	odm	53	56
1	31st 11.00	Reindeer	WNW	5	PR-	56	60
3	1st 0100	Dieppe	NW	2	cv	50	[illegible]

GENERAL INFERENCE.

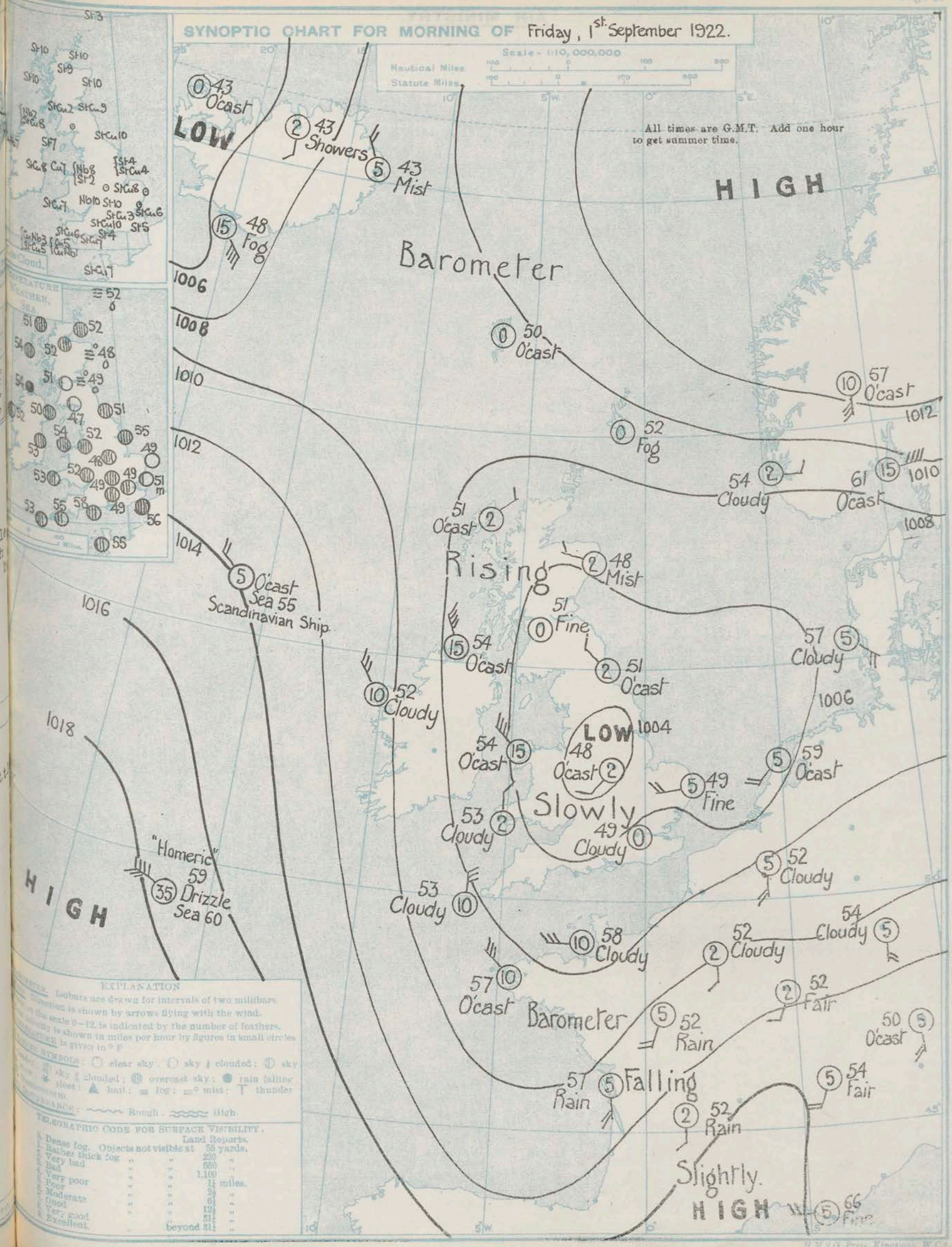
A shallow depression is almost stationary over England and weather will continue changeable with local thunderstorms though bright intervals are likely to be more prolonged than of late.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday 1st. September 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind Westerly or variable, light to moderate; variable sky, thundery showers, considerable bright periods; visibility good; rather cool.	Cool and unsettled.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind Northerly, moderate; variable sky, thundery showers, brighter intervals; visibility good; cool.	
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light variable winds; variable sky, thundery showers; morning mist, day visibility good; cool.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Light winds, mainly Northerly; cloudy, some showers; mist in places; cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind NW moderate or fresh; cloudy, some showers; visibility mainly good; cool.	

L.S.B

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

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....FRIDAY, 1ST SEPTEMBER 1922. No. 244.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1006·7	+4	S	1	o/f	52	97	5	2500	Nb	10	-	10	*
Stornoway	1000·5	+3	-	0	0	*	*	5	*	*	*	*	*	*
Wick	1004·6	+2	-	0	fo-	50	97	1	800	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1004·4	+1	WNW	3	bc	53	85	8	5700	Nb	4	-	4	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1003·4	+2	SE	1	b	53	85	8	-	St.Cu	2	-	2	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1003·4	0	SW	1	b	53	97	6	-	-	0	-	0	*
Blacksod Point ...	1006·2	0	SW	2	c+	?	92	7	-	CuNb	7	-	7	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Collinstown	1006·5	+1	W'N	2	o/r	46	97	6	2500	St.Cu	9	-	9	*
Holyhead	1004·5	+1	W'N	4	0	54	85	7	1500	St	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1003·9	0	-	0	b	53	92	7	-	-	0	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1004·5	+1	W'N	3	o+	50	92	7	4000	St.Cu	4	A.St	10	*
Gorleston	1005·3	0	WSW	2	b	50	92	7	-	-	0	A.Cu	2	*
Valencia (Cahirciveen)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1006·4	+1	N	1	bc	51	92	9	4000	St.Cu	6	-	6	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	48	*	*	*	*	*	*	*	*
Croydon	1003·4	+1	SW'W	2	b-	48	92	8	-	-	0	-	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1006·3	+1	NW	1	b	46	97	8	4000	St.Cu	2	-	2	*
Scilly (St. Mary's) ...	1007·7	0	WNW	3	b-	54	92	8	4000	St.Cu	2	-	2	*
Falmouth (Pendennis)	1007·4	0	WNW	2	c	54	97	8	4000	CuNb	8	-	8	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1005·9	+2	W	4	o+	57	75	7	-	-	0	A.St	10	*
Southampton (Calshot)	1007·0	+1	W	2	o+	51	92	8	4000	St	10	-	10	*
Dungeness	1006·1	+1	NW	2	bc/r	52	85	8	7200	CuNb	6	-	6	*
Jersey ·7h }	1007·7	0	WNW	3	bc/r	58	92	7	5700	Nb	3	A.St	6	*
Guernsey 1h }														

Observations at 0700 G.M.T. 1st

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1009·8	+6	-	0	fo-	52	97	3	1500	St	3	A.St	10	0
Stornoway	1007·2	+2	NE	1	0	51	97	4	800	St	10	-	10	0
Wick	1007·3	+3	NNW	2	0	52	97	7	800	St	10	-	10	3
Castlebay	1007·2	+3	N	3	0	54	85	8	1500	St	10	-	9	*
Nairn	1007·0	*	-	0	0+	52	92	7	1500	St	9	-	10	0
Aberdeen	1007·2	+2	WNW	1	mno	48	97	5	800	St	10	-		
Malin Head	1006·4	+2	NNW	4	ojp	54	85	8	5700	St.Cu	10	-	10	4
Renfrew	1005·5	+3	-	0	b	51	92	5	7200	St.Cu	2	-	2	*
Edinburgh (Inchkeith)	1005·2	+3	NE	1	mo	49	97	6	-	St.Cu	9	-	9	1
Leuchars	1006·6	+3	-	0	mno	49	97	5	1500	St	10	-	10	*
Eskdalemuir	1005·6	+1	-	0	b	47	92	7	-	-	0	Ci.St	2	*
Tynemouth	1004·2	+1	NW	1	0	51	97	4	4000	St.Cu	10	-	10	0
Blacksod Point ...	1009·2	+2	NW'N	3	c-	52	85	9	-	CuNb	7	-	7	3
Donaghadee	1006·4	+2	NW	1	0+	50	92	8	2500	St	7	A.Cu	9	0
Birr Castle	1008·1	*	NW	1	0+	50	97	7	4000	Cu	9	-	9	*
Collinstown	1007·7	+1	W'N	3	0	53	97	8	1500	St.Cu	8	A.St	9	*
Holyhead	1005·9	+2	NW'W	4	0	54	85	8	2500	Cu	7	A.Cu	10	1
Liverpool (Bidston) ...	1004·2	+1	W'N	4	o/r	52	92	8	1500	Nb	10	-	10	4
Chester (Shotwick) ...	1003·8	+1	W	3	o/r	53	92	6	1500	Nb	10	-		*
Spurn Head	1004·5	+1	W	2	c	55	85	5	2500	St	8	-	8	2
Nottingham	1003·5	*	SW	1	0+	48	97	5	-	-	0	A.St	9	*
Cranwell	1005·2	+1	W'S	3	mo-	48	97	5	4000	St.Cu	8	Ci	9	*
Gorleston	1005·8	+1	W'S	2	b	49	92	6	-	-	0	-	0	0
Valencia (Cahirciveen)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1007·6	+2	N	1	c	53	85	8	4000	St.Cu	7	-	7	4
Ross-on-Wye	1005·8	+1	SW	2	0	52	92	8	2500	Nb	10	-	10	*
Benson...	1005·7	+1	SW	1	0	49	92	8	-	St	10	-	10	*
Andover	1006·3	0	-	0	0	47	97	6	2500	St.Cu	10	-	10	*
S. Farnborough ...	1006·0	0	SW	2	o-	49	92	8	4000	St.Cu	4	A.Cu	9	*
London (Kew Obsy.) ...	1006·5	+1	-	0	c/f	49	92	6	4000	St.Cu	3	A.St	8	*
Croydon	1006·5	+1	SSW	2	o+	49	85	6	4000	St.Cu	4	A.St	9	*
Clacton-on-Sea ...	1006·2	+1	W	2	mb-	51	92	6	-	-	0	A.Cu	3	0
Shoeburyness	1006·6	+1	-	0	mc-	52	85	6	7200	St.Cu	6	A.Cu	6	0
Grain	1006·4	+1	S	1	bc-	51	85	7	4000	St.Cu	5	A.Cu	8	*
Lympne	1006·4	+1	-	0	c	51	92	8	2500	St	5	A.Cu		*
Scilly (St. Mary's) ...	1008·2	0	N'W	3	c	53	85	8	4000	St.Cu	8	-	8	2
Falmouth (Pendennis)	1007·7	+2	N	2	bc-	55	92	8	4000	Cu	6	-	6	0
Plymouth (Cattewater)	1007·4	+1	ENE	1	bc+	50	97	6	5700	St.Cu	6	-	6	0
Portland Bill	1005·9	0	W	4	c-	58	75	7	1500	St.Cu	7	-	7	3
Southampton (Calshot)	1006·4	0	NW'W	2	0	51	92	8	4000	St	4	A.St	9	0
Dungeness	1006·2	0	WNW	2	o+	56	75	8	-	-	0	A.Cu	9	2
Jersey ·7h }	1007·7	0	W	3	c/r	55	92	8	4000	St.Cu	7	-	7	3
Guernsey 1h }														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 30th-31st	Temperature. Max. Day. 31st	Rainfall.† Night 17h.-9h. 30-31st	Rainfall.† Day 9h.-17h. 31st	Sunshine. Sunrise to 17h. 31st	Sunshine. Sunrise to Sunset. 30th
			°F.	°F.	mm.	mm.	hr.	hr.
Banff	oc	ogz	53	61	4	-	1·2	6·5
Montrose	*	*	52	58	2	0·3	3·3	5·5
Llandudno	co	od	50	58	trace	trace	0·5	2·5
Colwyn Bay ...	bc	cpc	53	61	-	-	5·3	2·3
Rhyl...	bcc	cb	53	59	-	-	2·5	3·6
Southport	coc	coco	49	60	2	-	1·6	3·9
Blackpool	o	co	50	59	3	-	0·1	3·4
Harrogate	cbcc	bbo	48	63	1	-	6·6	3·8
Skegness	cb	boro	51	63	1	2	6·8	1·1
Aberystwyth ...	cbc	o	53	56	trace	2	3·0	2·0
Bath	bcc	pbcco	43	62	11	-	4·6	0·1
Leamington Spa ...	bc	bc	46	62	8	-	5·5	0·3
Lowestoft	bcopo	opop$_o$o	51	59	1	0·2	5·8	0·9
Felixstowe	bc	bcz	54	62	0·3	-	5·9	0·2
Southend	c	bc	51	68	1	1	4·6	0·7
Paignton	bbc	coy	46	64	-	0·3	6·1	2·5
Ilfracombe	bcp	op	50	59	2	1	3·9	0·6
Bude	cip$_o$c	ocip$_o$c	45	60	1	0·1	3·2	0·5
Penzance	bc	bcpbc	47	63	1	0·3	7·1	6·8
Falmouth Observatory	bc	cp	47	62	-	1	6·2	4·5
Torquay	bbccp	pbcco	49	63	-	0·2	6·8	2·6
Weymouth	cbc	bcc	53	66	3	-	7·4	0·1
Bournemouth ...	obc	bc	46	62	3	2	5·5	0·0
Portsmouth (S'thsea)	bcp	bc	53	63	10	1	6·2	0·2
Worthing	rbc	bcb	55	65	3	trace	7·5	0·1
Brighton	ro	b	55	63	3	1	7·0	0·0
Eastbourne	ocrc	bcb	55	64	2	0·3	6·1	0·1
Hastings	ocbc	bcb	54	63	5	-	5·3	0·4
Folkestone	rco	pcoc	54	66	2	1	5·5	1·8
Tunbridge Wells ...	oroc	ycb	48	64	4	1	6·2	0·1
Ramsgate	crbc	rbcb	52	68	1	-	5·5	1·8
Margate	opc	bcpb	52	64	1	1	4·5	1·2
Deal	bcco	pbcb	49	63	1	trace	5·4	2·0

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22,199 SATURDAY 2ND SEPTEMBER 1922.

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1010.4	+1	ENE	1	o-	56	85	5	-	-	0	ASt	9	*
Stornoway	1010.3	+3	E	3	c-	57	85	5	800	St	7	-	7	*
Wick	1009.1	+2	NNE	2	o	54	92	7	800	St	4	ASt	10	*
Castlebay	1010.0	+2	NNW	3	o	56	85	8	800	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1008.7	+1	NE	1	or₀	58	92	6	800	Nb	10	-	10	*
Malin Head	1009.2	+3	NNW	4	o	55	92	8	1500	StCu	9	-	9	*
Renfrew	1007.6	+2	ENE	2	or₀	58	75	6	2500	Nb	7	ASt	10	*
Edinburgh (Inchkeith)	1006.9	+1	NE	1	od₀	53	97	7	-	Nb	10	-	10	*
Leuchars	1008.0	+2	NE	2	or₀r₀	53	97	6	450	Nb	10	-	10	*
Eskdalemuir	1006.1	+1	NNE	4	or₀r₀	53	92	6	800	Nb	10	-	10	*
Tynemouth	1005.9	+2	ENE	2	or₀	54	92	4	4000	Nb	10	-	10	*
Blacksod Point	1020.1	+3	E	4	bc	57	75	9	-	Cu	5	-	5	*
Donaghadee	1004.1	+1	NNE	1	bc	58	85	4	-	-	0	ACu	4	*
Birr Castle	1009.6	*	NW	1	c-	56	85	4	4000	Nb	8	-	8	*
Collinstown	1009.4	+1	WNW	3	o+	54	45	8	2500	StCu	9	-	9	*
Holyhead	1006.5	0	NW'W	5	odd	54	92	4	800	Nb	10	-	10	*
Liverpool (Bidston)	1004.7	0	W	4	o/r	54	92	8	1500	Cu	10	-	10	*
Chester (Shotwick)	1004.7	+1	WNW	3	o/r	55	85	4	1500	St	10	-	10	*
Spurn Head	1004.5	0	W	1	ctl	58	45	6	1500	CuNb	8	-	8	*
Nottingham	1004.6	*	SW	1	o	61	45	4	2500	CuNb	3	CiSt	9	*
Cranwell	1005.1	0	ESE	2	o	60	65	8	2500	Cu	7	ASt	9	*
Gorleston	1006.5	0	S	5	bc+	60	45	4	4000	CuNb	5	-	5	*
Valencia (Cahirciveen)	1010.5	+2	W	3	c	53	97	9	-	St	7	-	7	*
Roches Point	1010.2	+1	NNW	3	o+	58	85	8	4000	StCu	9	-	9	*
Pembroke (St. Ann's H.)	1008.4	0	NW	3	c	54	75	8	4000	StCu	8	-	8	*
Ross-on-Wye	1006.1	0	WNW	2	o	58	65	9	4000	Nb	10	-	10	*
Benson	1005.9	0	NW	3	o/r	55	85	8	-	CuNb	10	-	10	*
Andover	1006.3	0	WNW	3	o/r	54	45	4	1500	StCu	10	-	10	*
S. Farnborough	1006.2	0	W	2	opr₀	56	85	8	1500	StCu	10	-	10	*
London (Kew Obsy.)	1006.1	0	SW	2	o	60	45	4	2500	StCu	8	ACu	10	*
Croydon	1006.3	0	WSW	2	o	57	45	8	4000	StCu	10	-	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1006.2	0	W'S	1	o/f	58	45	4	4000	StCu	9	-	9	*
Grain	1006.1	-1	SW	2	o+	58	65	8	1500	StCu	10	-	10	*
Lympne	1006.2	0	SSW	2	o	59	45	8	2500	CuNb	7	ASt	9	*
Scilly (St. Mary's)	1008.9	+1	NW'N	4	b-	60	85	9	4000	Cu	3	-	3	*
Falmouth (Pendennis)	1009.6	+1	N	3	o-	58	45	8	4000	CuNb	9	-	9	*
Plymouth (Cattewater)	1007.8	0	N	4	bcjp	58	65	8	2500	CuNb	6	-	6	*
Portland Bill	1006.7	+1	WNW	3	c	59	45	4	1500	StCu	7	-	7	*
Southampton (Calshot)	1006.7	-1	WNW	2	o	61	65	8	2500	StCu	10	-	10	*
Dungeness	1006.2	0	SW	4	c	59	45	8	5700	Cu	5	CiCu	8	*
Jersey 7h / Guernsey 1h	1007.7	0	W	4	bc	62	45	8	-	-	0	ACu	6	*

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1012.0	+1	ENE	1	mo	53	97	4	1500	Nb	10	-	10	0
Stornoway	1011.9	+1	ENE	3	b-	55	85	4	-	-	0	-	0	2
Wick	1010.7	+2	NNW	2	o	53	92	7	800	St	10	-	10	0
Castlebay	1011.9	+1	NNW	4	bc	56	92	8	1500	St	6	-	6	3
Nairn	1010.6	*	-	0	o	55	92	7	1500	St	10	-	10	*
Aberdeen	1010.0	+2	NW'W	2	or₀	54	97	6	1500	Nb	10	-	10	0
Malin Head	1011.2	+2	NW'N	4	bc	55	92	4	800	St	3	ACu	5	4
Renfrew	1010.0	+3	-	0	od₀	54	85	6	4000	StCu	6	ASt	10	*
Edinburgh (Inchkeith)	1009.2	+1	NE	2	or₀r₀	54	92	7	-	Nb	6	ASt	10	1
Leuchars	1009.4	+2	-	0	or₀	55	92	7	800	Nb	8	ASt	10	*
Eskdalemuir	1009.3	+4	NE'N	4	od₀	50	92	7	800	Nb	10	-	10	*
Tynemouth	1007.5	+2	NNE	2	o/r₀	54	92	4	4000	StCu	10	-	10	1
Blacksod Point	1013.9	+3	NNW	4	bc	55	75	9	*	Cu	5	-	5	3
Donaghadee	1009.5	+2	NNE	3	opr₀	55	92	4	2500	St	10	-	10	3
Birr Castle	1012.1	*	NW	1	c-	55	85	8	4000	CuNb	5	CiCu	4	*
Collinstown	1010.8	+2	NW'W	4	bc	56	85	8	4000	St	5	-	5	*
Holyhead	1007.4	+2	NW'N	5	o+	56	92	7	800	St	10	-	10	3
Liverpool (Bidston)	1006.7	+2	E	1	o/tlr	52	92	6	1500	StCu	10	-	10	3
Chester (Shotwick)	1005.8	+2	W	3	oR-	51	92	6	1500	StCu	10	-	10	*
Spurn Head	1005.6	+1	-	0	b	58	85	6	4000	CuNb	2	-	2	3
Nottingham	1006.1	*	N	1	otlr	57	85	7	800	CuNb	10	-	10	*
Cranwell	1006.4	+2	SW'S	3	or₀r₀	53	97	4	2500	Nb	9	-	9	*
Gorleston	1006.8	0	SW	4	bc	57	75	4	4000	Cu	3	Ci	5	4
Valencia (Cahirciveen)														
Roches Point	1011.4	+1	NNW	3	c-	58	75	8	4000	StCu	8	-	8	0
Pembroke (St. Ann's H.)	1009.7	+1	NW	3	o	55	75	8	2500	St	10	-	10	3
Ross-on-Wye	1007.0	+1	W'N	1	opr₀	54	85	8	2500	Nb	10	-	10	*
Benson	1006.9	+1	NW	1	c	54	85	8	-	Cu	7	-	7	*
Andover	1007.0	0	-	0	ojp	56	75	8	2500	St	10	-	10	*
S. Farnborough	1005.9	+1	-	0	c/r	54	92	4	2500	CuNb	3	ASt	8	*
London (Kew Obsy.)	1006.9	+1	-	0	o/r	56	85	5	2500	Nb	3	ACu	9	*
Croydon	1006.9	+1	SW'W	1	o-	54	92	6	2500	CuNb	3	ACu	9	*
Clacton-on-Sea	1005.8	0	S	2	bc	59	45	4	4000	CuNb	4	Ci	6	0
Shoeburyness	1006.0	+1	W'N	1	c/r	55	85	7	5700	StCu	5	ACu	7	*
Grain	1006.5	+1	W	3	c-	55	85	4	1500	StCu	7	Ci	8	0
Lympne	1006.5	0	W	2	o	57	85	8	2500	StCu	9	-	9	*
Scilly (St. Mary's)	1010.8	+1	NNW	4	c+	58	75	8	4000	Cu	3	ACu	7	4
Falmouth (Pendennis)	1010.2	+1	NW	3	o	56	45	8	4000	Cu	9	-	9	0
Plymouth (Cattewater)	1008.9	+3	NNW	3	ojp	57	45	8	2500	CuNb	9	-	9	0
Portland Bill	1006.8	0	WNW	4	c+	58	45	4	1500	StCu	8	-	8	3
Southampton (Calshot)	1007.1	+1	WSW	1	o/r	56	85	8	4000	CuNb	4	Ci	9	0
Dungeness	1006.2	0	W	3	b	59	75	8	5700	StCu	10	-	10	3
Jersey 7h / Guernsey 1h	1008.0	0	W	3	bc	61	45	8	-	-	0	CiCu	4	3

LONDON OBSERVATIONS — 24 Hours ended 0900 G.M.T. 2nd

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew	cwo	omomomofw	*	*	*	40	03	-	2.2	*	*
Croydon {24 hours ended 0700	ombcw	or₀r₀m	obcmF	*	*	39	1	-	2.3	*	*
Greenwich (Royal Obsy.)	co	oir	obcbmjp	62	43	38	1	-	3.7	75	93
City (Bunhill Row)	*	*	*	*	*	*	*	*	2.5	*	*
Westminster (St. James' Pk.)	*	*	*	60	47	41	1		2.8	78	88
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	*	*	*
Camden Square	bc	bc	*	60	45	42	1	-	*	*	94
Kensington Palace	o	or	*	59	45	37	1	-	*	94(18h)	94
Hampstead Observatory	o	*	*	57	45	34	2	-	1.4	*	*

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1800 G.M.T. 1st

Station	Max.	Time.	Min.	Time.
South Kensington	0.3	20h. 31st	<0.3	t-5h. 1st
	0.3	8h. 1st		
Kew Observatory	0.6	21h. 31st		
	0.8	7h. 1st	0.3	23h. 31st

SOLAR RADIATION. Vertical component per square centimetre. During yesterday. South Kensington.

Total .... joules
Average Rate .... Milliwatts.
Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy. Exposure from 1st 19h. 45m. to 2nd 04h. 15m.

Stars.	Exposure h. m.	Record h. m.	Record %
Polaris	8.30	6.33	77
δ Ursae Minoris	8.30	6.16	74

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	2	9	-	155
18h.	Cg	8	-	140
01h.	Cg	8	9	145
07h.	Cg	8	9	155

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 2nd & 3rd Sept, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.7 / 5.8	11.53 / 11.52	6.39 / 6.37
Greenwich	5.16 / 5.17	12.0 / 11.59	6.44 / 6.42
Wick	5.15 / 5.17	12.12 / 12.11	7.9 / 7.6
Valencia	5.56 / 5.57	12.41 / 12.40	7.26 / 7.24

BEAUFORT NOTATION OF WEATHER.

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

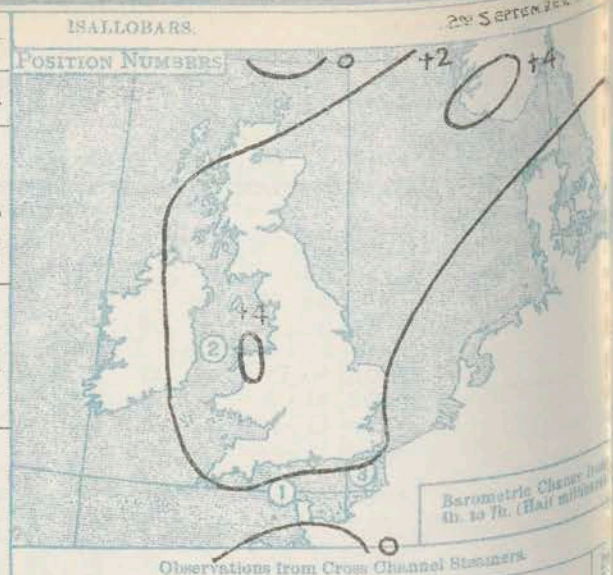
[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	Weather. 7h.-13h. 1st	13h.-18h. 1st	18h. 1st to 1h. 2nd	1h.-7h. 2nd	Temperature. Max. Day. 7h.-18h.	Min. Night. 18h.-7h.	Min. on Grass	Rainfall.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	Sun. Hours.
Lerwick	c	F	F	c	57	49	•	-	-	-	-	•
Stornoway	oo	b-bc	bbc	oo	58	44	•	-	-	-	-	10.7
Wick	oo	oo	oo	oo	55	51	•	-	-	-	-	•
Castlebay	opco	obc	cb	b	56	50	•	trace	-	-	-	5.0
Nairn	clzmo		ocm	cm	57	52	•	-	-	-	-	0.0
Aberdeen	omir₀	mir₀	omlr₀	omo	58	52	51	1	0.3	<0800	<2100	0.0
Malin Head	c	c	c	c	56	53	•	-	-	-	•	0.0
Renfrew	bbcomr₀rm		or₀r₀	omwm	62	51	47	0.3	0.1	1230	<2100	3.9
Edinburgh (Inchkeith)	f-m	oo	r or d	r or d	55	52	50	1	1	1430	2200	0.0
Leuchars	dmrr	r-d	r or d	r or d	56	52	•	7	2	<0800	<2100	0.0
Eskdalemuir	coir₀	oid₀	o	od₀o	55	48	48	3	0.2	11.00	0230	0.6
Tynemouth	oifir₀	oir₀	om	or₀r₀m	55	51	47	3	1	11.00	0130	•
Blacksod Point	b-bc	b.bc		b.bc	58	41	•	-	-	-	-	•
Donaghadee	bebc	lmgp	oir	om	57	53	•	trace	2	1530	<2100	•
Birr Castle	circ	copor	co	co	57	47	43	2	-	0900	-	•
Collinstown	oo	ocbc	bcir₀	oo	59	52	•	trace	-	1430	-	2.7
Holyhead	adjdm	od₀o	oRir	oo	57	54	52	0.3	4	0900	<2100	0.2
Liverpool (Bidston)	r-d	oltr	bco	bco	57	50	46	8	-	<0800	-	0.1
Chester (Shotwick)	oprrro	oltR	or₀cbc	com	57	46	39	9	trace	<0800	<2100	•
Spurn Head	c	c	F	form	65	51	•	-	-	-	-	1.5
Nottingham	c	ctl	tRc	oo	62	51	46	-	3	-	<2100	3.8
Cranwell	mc	oltr₀	bbc	oom	62	54	40	0.4	0.5	1630	<2100	4.4
Gorleston	bbcq	bcq	bw	blbcb	63	49	43	-	-	-	-	?
Valencia (Cahirciveen)	p											
Roches Point	b.o	o.c	b.bc		60	49	•	-	-	-	-	•
Pembroke (St. Ann's H.)	oo	•oo	oo	oo	58	53	•	-	2	-	<2100	3.1
Ross-on-Wye	pobo	ovp	ir₀id₀	gom	59	47	42	1	0.3	<0800	<2100	0.0
Benson	r₀oR	oro	oop₀	oom	57	48	45	2	0.1	1530	2200	•
Andover	opo	oco	o	ooro	60	47	41	0.1	1	<0800	<2100	0.9
S. Farnborough	ogopr	opr₀iroc	cor₀orm	om	58	45	40	1	0.5	1230	<2100	0.6
London (Kew Obsy.)	cwo	omom	ombmw	wofw	60	46	40	0.3	-	1430	-	2.2
Croydon	ombccoor₀r₀m		obcwm	owMF	59	44	39	1	-	1530	-	2.3
Clacton-on-Sea	bcebc		bcco	obcm	61	47	45	-	-	-	-	6.6
Shoeburyness	cmbcco	corc	c	om	61	44	37	trace	trace	1730	-	4.1
Grain	bcco	oc	ooco	oFF	60	42	35	-	trace	-	-	2.3
Lympne	cpr₀	op₀r	oo	ocowmf	60	45	36	0.1	trace	1230	-	2.3
Scilly (St. Mary's)	cbc	bc	c	bcq	61	54	•	-	-	-	-	7.2
Falmouth (Pendennis)	bcco	o	cpbc	bccp	60	54	•	-	trace	-	2200	4.9
Plymouth (Cattewater)	b-bc	oo	cpr	ox.bm	61	53	44	-	1	-	21.00	6.1
Portland Bill	c	c	c	p	60	53	•	-	3	-	0530	•
Southampton (Calshot)	oo	p		form	63	50	48	0.3	-	1430	-	7.3
Dungeness	p.	ob	c	bbc	61	43	•	0.1	-	<0800	-	•
Jersey 7h. / Guernsey 1h.	cbc	cb	ropo	orro	63	53	•	-	6	-	2200	8.3

ISALLOBARS.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	1st 1000	Scotia	NW	4	cp	54	55
1	1st 1100	Ibex	NW	4	bc-	58	59
3	2nd 0100	Brighton	NW	2	ocl	57	60

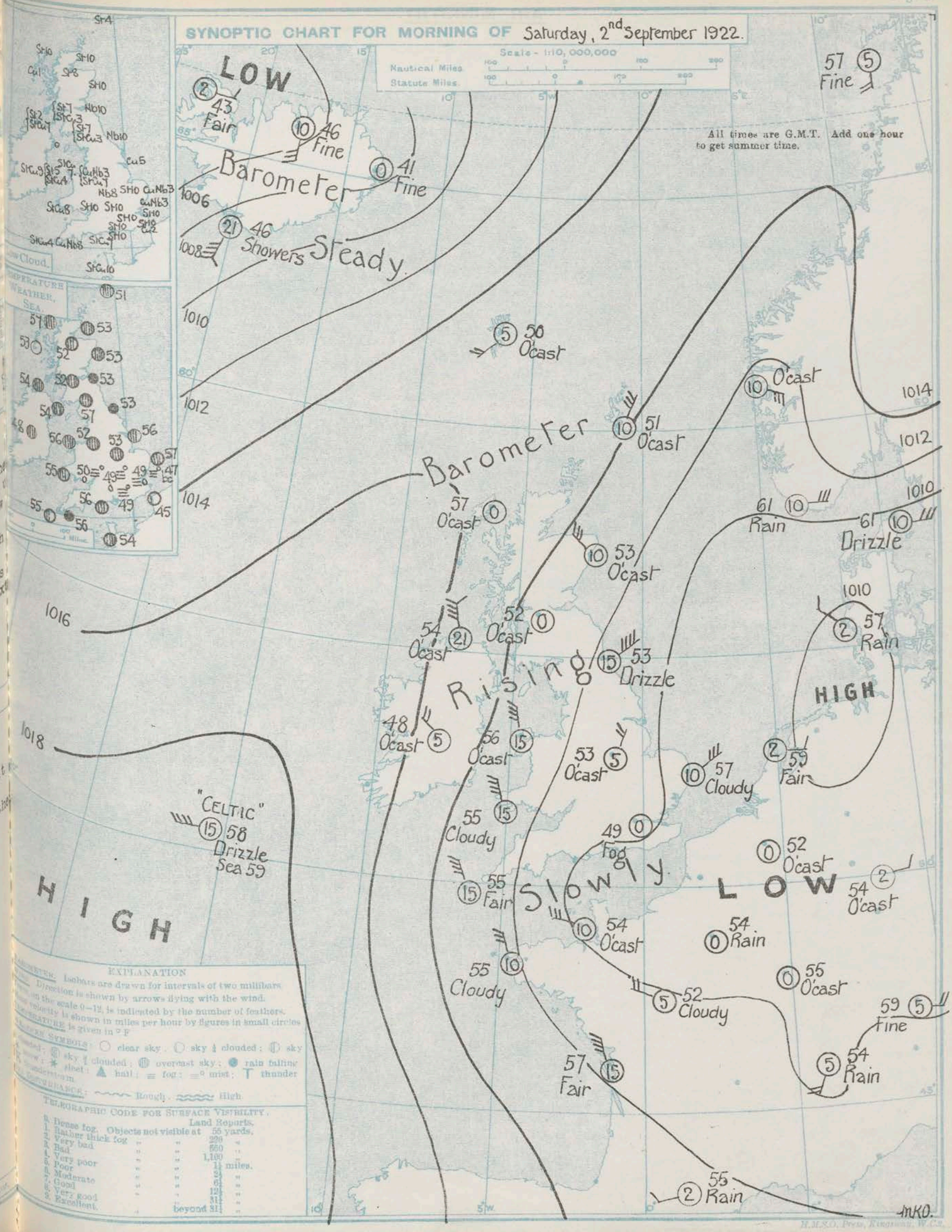
GENERAL INFERENCE.

A shallow depression over the North Sea and France is filling up and a ridge of high pressure now extends from the Azores Northwestward across the British Isles to Western Scandinavia. Except in the extreme West winds will be Northerly during the next 24 hours with cool weather and local showers.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 2nd, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland	Wind Northerly light or moderate; cloudy, showers or slight rain in places; morning mist, day visibility mainly good; cool.	Fairer temporarily but temperature continuing rather low.
15. Hebrides	As for 17 - 20.	
16. Orkneys and Shetlands	As for 1 - 14.	
17. N.W. Ireland		
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind NW backing W moderate; dull, some rain probable later; visibility moderate; cool.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.30.G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. SATURDAY, 2ND SEPTEMBER 1922. No. 245.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1013.3	+3	N	3	ffo	51	97	3	1500	St	10	-	10	*
Stornoway	1015.2	+2	-	0	bc-	*	*	6	*	*	*	*	*	*
Wick	1012.8	+2	NW	1	0	53	92	7	500	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1013.1	+1	NNW	5	bc	55	97	7	5700	St.Cu	5	-	5	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1011.1	+3	NW	1	o/r	53	92	8	-	St	10	-	10	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1009.7	+1	N	3	o	52	92	6	4000	St.Cu	10	-	10	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Collinstown	1013.4	+2	NW	3	o	52	97	7	2500	St	10	-	10	*
Holyhead	1010.4	+3	N	5	o/r	55	92	8	1500	St.Cu	9	-	9	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1009.8	+1	N'E	3	mo-	53	92	4	450	St	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1008.8	+3	N'E	4	mmo	50	97	4	<150	St	10	-	10	*
Gorleston	1009.7	+1	NNW	1	b+	52	85	7	-	-	0	Ci	1	*
Valencia (Cahirciveen)														*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1010.5	0	N	4	o	55	85	8	1500	St	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	50	*	*	*	*	*	*	*	*
Croydon	1008.2	+1	SW	1	bc	47	97	6	2500	St.Cu	3	Ci	4	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1009.9	+1	NNW	1	o	49	97	8	2500	St	10	-	10	*
Scilly (St. Mary's) ...	1012.1	0	NNW	4	b	56	85	8	4000	Cu	3	-	3	*
Falmouth (Pendennis)	1011.3	0	NNW	3	c+	55	92	7	4000	Cu.Nb	3	A.Cu	7	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1009.4	+1	WNW	4	c	57	85	7	1500	St.Cu	8	-	8	*
Southampton (Calshot)														*
Dungeness	1009.3	0	-	0	o+	52	85	7	5700	St.Cu	10	-	10	*
Jersey (7h)	1009.7	+1	WNW	3	c	53	85	9	5700	Cu.Nb	3	Ci.St	7	*
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1014.1	0	NNE	3	0	51	92	6	800	St	4	A St	10	2
Stornoway	1015.8	+1	-	0	0	51	92	5	800	St	10	-	10	0
Wick	1014.1	+2	NNW	2	0	53	92	7	800	St	10	-	10	0
Castlebay	1015.9	+2	NNE	2	b	53	85	8	2500	Cu	1	-	1	2
Nairn	1014.8	*	NW	1	c	52	92	7	1500	St	8	-	8	*
Aberdeen	1013.7	+2	NW	3	o-	53	92	7	1500	St	10	-	10	0
Malin Head	1015.3	+2	N'W	5	o-	54	92	8	800	St.Cu	9	-	9	4
Renfrew	1013.8	+3	-	0	0	52	97	5	5700	St	10	-	10	*
Edinburgh (Inchkeith)	1013.3	+2	NNW	1	odd	53	92	6	-	Nb	10	-	10	1
Leuchars	1013.4	+3	-	0	0	53	92	7	1500	St	8	A.Cu	10	*
Eskdalemuir	1013.3	+2	NNE	3	0	51	92	8	1500	St	10	-	10	*
Tynemouth	1011.3	+2	NE	4	odd	53	97	4	4000	Nb	10	-	10	2
Blacksod Point ...	1014.1	+1	SW	2	c	54	85	9	-	-	0	A Cu	8	3
Donaghadee	1014.2	+2	-	0	0	54	?	7	-	-	0	A.St	10	0
Birr Castle	1015.7	*	NW	2	o+	48	92	7	4000	St.Cu	9	-	9	*
Collinstown	1015.8	+3	WNW	3	0	53	97	6	1500	St	9	-	9	*
Holyhead	1013.3	+4	N'W	4	0	56	85	8	2500	St.Cu	7	A.St	10	3
Liverpool (Bidston) ...	1012.4	+2	N'E	1	o+	52	92	6	1500	St.Cu	10	-	10	2
Chester (Shotwick) ...	1011.3	+3	WNW	1	0	53	92	4	4000	St.Cu	10	-	10	*
Spurn Head	1010.5	?	NNE	3	c	56	75	7	4000	Cu	5	A.Cu	8	3
Nottingham	1010.8	*	NNE	2	0	53	92	6	1500	Nb	8	A.St	10	*
Cranwell	1011.2	+3	N	3	0	52	97	6	800	St	10	-	10	*
Gorleston	1009.8	+1	NE'E	3	c+	57	85	7	4000	Cu.Nb	3	Ci.St	7	1
Valencia (Cahirciveen)	1016.6	+1	NW	3	bc+	52	85	8	2500	St Cu	4	-	4	0
Roches Point	1013.1	+3	NNW	4	c	55	85	8	4000	St.Cu	10	-	10	3
Pembroke (St. Ann's H.)	1011.9	+3	N	2	mo-	50	92	4	800	St	10	-	10	*
Ross-on-Wye	1010.6	+3	NNE	3	mmo	49	97	4	-	St	10	-	10	*
Benson...	1010.2	+4	N.E	3	o/r	49	97	4	225	St	10	-	10	*
Andover	1010.1	+3	-	0	mmo	49	97	5	800	St	10	-	10	*
S. Farnborough ...	1010.6	+3	-	0	fo-	49	97	3	1500	St	10	-	10	*
London (Kew Obsy.) ...	1010.3	+3	WNW	1	FFo	47	97	1	<150	St	10			
Croydon	1009.9	+2	NNW	3	mbc-	47	97	4	1500	Cu.Nb	3	Ci.Cu	5	0
Clacton-on-Sea ...	1009.4	+2	NW	2	mmo	49	92	4	1500	St	10	-	10	0
Shoeburyness	1009.4	+2	W	1	fo-	47	97	3	<150	St	10	-	10	*
Grain	1008.3	+2	NNW	3	fo	48	97	2	<150	St	10	-		
Lympne	1012.9	+1	NNW	4	bc+	55	85	8	4000	St.Cu	3	A.Cu	8	0
Scilly (St. Mary's) ...	1012.3	+2	N	4	cp	56	92	7	4000	Cu.Nb	8	-	0	0
Falmouth (Pendennis)	1011.3	+4	NNW	3	b	54	85	6	-	-	0	-	7	3
Plymouth (Cattewater)	1009.9	+2	NNE	4	c/r	56	85	7	1500	St.Cu	7	-	10	0
Portland Bill	1010.4	+3	NNE	3	mmo	51	97	5	450	St	10	-	2	2
Southampton (Calshot)	1008.8	+2	N	2	b+	45	97	5	4000	Cu	2	-	10	3
Dungeness	1008.5	0	WNW	3	o/r	54	92	8	2500	St.Cu	10	-		
Jersey (7h)														
Guernsey (1h)														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 1ST SEPTEMBER

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.
Banff	fer	rmr	46	54	-	0.4	0.0	1.2
Montrose	-	-	41	59	-	3	0.0	3.3
Llandudno	rod	ro	50	58	4	1	0.1	0.5
Colwyn Bay ...	rc	prc	52	57	9	5	0.1	5.3
Rhyl...	bc	pcp	54	59	1	1	0.3	2.5
Southport	roc	bcotlro	51	60	85	2	1.7	1.6
Blackpool	cb	or	49	61	78	2	4.0	0.1
Harrogate	bbcc	cocbc	48	62	-	-	4.7	6.6
Skegness	b	b	49	62	6	-	9.3	6.8
Aberystwyth	occ	c	53	57	6	-	1.7	3.0
Bath	ocpc	co	50	61	-	-	2.4	5.1
Leamington Spa ...	od	oR	47	54	-	8	0.0	6.5
Lowestoft	b	b	46	62	-	-	10.7	5.8
Felixstowe	bcz	bcv	47	62	-	-	8.7	6.5
Southend	bcc	co	47	61	-	-	2.9	5.2

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.
Paignton	bcq	bccpoy	50	63	trace	1	2.8	7.3
Ilfracombe	cpc	oco	51	62	8	1	4.8	3.9
Bude	cpc	c	55	60	1	0.1	5.3	3.2
Penzance	cbc	bcc	52	62	2	-	5.0	7.2
Falmouth Observatory	bbc	cbcc	51	61	1	-	5.3	6.3
Torquay	p	p	51	60	0.3	trace	4.9	6.8
Weymouth	cpc	cpc	50	64	2	1	3.3	4.8
Bournemouth ...	obc	co	48	61	2	-	2.3	5.8
Portsmouth (S'thsea)	cbc	bp	51	62	0.4	4	2.1	7.1
Worthing	ror	or	49	60	1	6	1.1	8.6
Brighton	o	p	55	60	1	1	1.1	8.5
Eastbourne	c	o	49	60	2	0.2	1.4	7.4
Hastings	odoc	cbcco	48	61	1	1	1.0	7.8
Folkestone	bcbcc	bcco	46	64	-	-	3.4	5.3
Tunbridge Wells ...	cbc	opo	43	59	1	0.3	4.3	5.9
Ramsgate	bbc	bc	44	67	-	-	4.6	6.7
Margate	bcc	cop	47	62	-	1	3.2	5.5
Deal	bcc	c	45	64	trace	-	3.2	7.2

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22200 SUNDAY, 2ND SEPTEMBER 1922.

Observations at 1300 G.M.T. 2nd

Stations	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Height of Low Cloud Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1014.7	+1	ENE	2	oro+	56	85	6	-	-	0	A.Sr	10	•
Stornoway	1016.6	+1	-	0	o	55	85	5	800	Sr	10	-	10	•
Wick	1015.6	+2	NW	2	odd	53	92	7	800	Sr	10	-	10	•
Castlebay	1017.0	+1	NW	2	o	57	75	8	1500	Sr	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1015.6	+1	NW	3	o-	56	85	7	1500	Sr	9	-	9	•
Malin Head	1016.4	+2	NW	3	c	57	85	8	4000	Cu	1	Ci.Sr	7	•
Renfrew	1014.9	0	SW	1	b	66	55	7	5700	Cu	2	-	2	•
Edinburgh (Inchkeith)	1014.9	+1	ENE	1	o	58	75	7	-	StCu	9	-	9	•
Leuchars	1014.9	+1	NE	1	o	58	75	7	2500	StCu	10	-	10	•
Eskdalemuir	1015.1	+2	NNE	3	o	54	85	6	1500	StCu	9	A.Sr	10	•
Tynemouth	1013.8	+3	NNE	4	ojp	54	85	6	4000	Nb	10	-	10	•
Blacksod Point	1018.5	0	WSW	2	o	58	65	9	-	-	0	ACu	9	•
Donaghadee	1015.8	+2	NNE	2	b-	60	85	8	-	-	0	Ci	2	•
Birr Castle	?	•	NW	1	o	58	85	7	4000	StCu	9	-	9	•
Collinstown	1017.1	+1	NW	1	c-	61	85	7	2500	StCu	8	•-	8	•
Holyhead	1015.7	+3	NNW	3	b-	59	85	8	5700	Cu	1	ACu	2	•
Liverpool (Bidston)	1014.6	+1	NNW	1	o-	58	75	7	1500	CuNb	9	-	9	•
Chester (Shotwick)	1013.4	+2	NNW	3	o	59	75	7	2500	StCu	10	-	10	•
Spurn Head	1013.1	+3	E	2	c	66	65	8	4000	StCu	7	-	7	•
Nottingham	1012.8	•	N	2	c	61	75	6	2500	StCu	8	-	8	•
Cranwell	1013.3	+2	N'W	4	c	63	65	8	4000	Cu	8	-	8	•
Gorleston	1011.6	+2	N'E	4	bc-	61	75	8	4000	Cu	4	-	4	•
Valencia (Cahirciveen)	1018.4	+1	NW	1	bc-	59	65	9	4000	StCu	3	ACu	6	•
Roches Point	1017.5	+2	NW	2	c	64	65	8	2500	StCu	7	-	7	•
Pembroke (St. Ann's H.)	1015.9	+2	NE	4	bc	61	75	8	4000	StCu	6	-	6	•
Ross-on-Wye	1013.8	+2	N	3	bc-	59	65	8	4000	Cu	6	-	6	•
Benson	1012.5	+2	N	2	c/f	57	75	7	-	Cu	8	-	8	•
Andover	1013.0	+3	NNE	3	o-	57	75	6	800	StCu	10	-	10	•
S. Farnborough	1012.2	+2	NNW	3	mmc	60	75	6	2500	Cu	8	-	8	•
London (Kew Obsy.)	1012.0	+1	NNW	2	c/f	61	65	7	4000	Cu	6	Ci.Sr	7	•
Croydon	1011.8	+1	N	2	o	61	65	7	1500	CuNb	7	Ci.Sr	9	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1011.6	+2	NE	3	bctl	62	75	9	2500	Cu	6	-	6	•
Grain	1011.4	+2	N	3	c-	62	65	7	2500	CuNb	8	-	8	•
Lympne	1010.6	+1	N'W	3	c	61	75	6	1500	StCu	5	A.Sr	7	•
Scilly (St. Mary's)	1016.3	+3	NNW	3	o+	57	85	7	2500	StCu	10	-	10	•
Falmouth (Pendennis)	1014.5	+2	NNE	4	bc-	61	75	8	4000	StCu	5	-	5	•
Plymouth (Cattewater)	1013.4	+4	NNW	3	bc-	62	65	6	4000	Cu	6	-	6	•
Portland Bill	1011.5	+2	NNE	4	bc-	58	85	7	-	-	0	ACu	6	•
Southampton (Calshot)	1012.7	+2	N	4	o	57	75	6	2500	Sr	10	-	10	•
Dungeness	1010.7	+2	NE	2	bc	61	75	7	2500	Cu	5	-	5	•
Jersey	1011.9	+1	NE	3	bc/tlr	57	85	8	4000	StCu	6	-	6	•

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	Height of Low Cloud Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1015.7	0	NNE	2	o	53	85	7	-	-	0	A.Sr	10	1
Stornoway	1016.3	0	E	1	o	53	85	5	800	Sr	10	-	10	0
Wick	1016.2	+1	NW	1	o/r	52	85	7	800	Sr	10	-	10	0
Castlebay	1016.6	0	NW	1	o	55	85	7	1500	Sr	10	-	10	0
Nairn	1016.5	•	-	0	o	55	92	7	4000	StCu	9	-	9	•
Aberdeen	1016.1	+1	NW'N	3	o	54	85	7	1500	Sr	10	-	10	0
Malin Head	1016.6	+1	NW	2	o	55	92	7	1500	Sr	1	Ci.Sr	10	1
Renfrew	1015.5	+1	WSW	2	bc	60	75	7	-	-	0	Ci.Sr	4	•
Edinburgh (Inchkeith)	1015.5	0	ESE	1	c-	57	85	7	-	StCu	2	ACu	7	1
Leuchars	1015.4	+1	SE	2	o+	56	85	7	-	-	0	ACu	9	•
Eskdalemuir	1016.2	+1	SW	1	o+	57	85	6	800	StCu	10	-	10	•
Tynemouth	1015.9	+2	N	2	c/r	54	92	6	4000	StCu	4	CiCu	7	1
Blacksod Point	1017.3	-1	SW	2	o+	55	85	8	-	-	0	A.Sr	10	0
Donaghadee	1016.6	+1	N	2	bc+	56	85	8	-	-	0	CiCu	4	1
Birr Castle	1017.9	•	NW	1	o	59	85	6	4000	StCu	9	-	9	•
Collinstown	1018.1	+1	W'N	2	o+	59	85	7	4000	StCu	7	A.Sr	10	•
Holyhead	1016.7	+1	WNW	1	bc-	58	92	7	4000	Sr	2	A.Sr	5	0
Liverpool (Bidston)	1015.9	+2	N'W	1	o+	56	85	8	2500	StCu	10	-	10	2
Chester (Shotwick)	1015.1	+1	NNW	3	o	57	85	6	4000	Sr	10	-	10	•
Spurn Head	1014.8	+1	N	1	c	57	85	7	1500	Sr	7	-	7	2
Nottingham	1014.8	•	N	3	b-	56	85	6	2500	StCu	1	ACu	2	•
Cranwell	1014.6	+2	NNW	4	bc	59	85	7	2500	Cu	5	-	5	•
Gorleston	1014.0	+1	N'E	3	bc+	58	92	7	5700	StCu	6	-	6	0
Valencia (Cahirciveen)	1018.4	0	NW	2	c	52	85	9	-	-	0	ACu	4	
Roches Point	1018.0	+1	-	0	o	58	75	8	4000	Sr	10	-	10	0
Pembroke (St. Ann's H.)	1017.2	+1	E'N	3	bc	57	85	7	4000	StCu	3	Ci	4	3
Ross-on-Wye	1015.1	+2	NNE	2	b-	58	75	8	5700	StCu	1	Ci	2	•
Benson	1014.1	+2	N	1	c+	57	85	8	-	Cu	7	-	7	•
Andover	1014.0	+1	NNE	3	b-	58	75	6	4000	CuNb	1	-	1	•
S. Farnborough	1013.8	+3	-	0	mmc	55	65	8	2500	Cu	9	-	9	•
London (Kew Obsy.)	1014.2	+3	NW	2	c/r	57	75	6	4000	CuNb	5	ACu	8	•
Croydon	1014.1	+2	-	0	c-	55	92	5	5700	StCu	8	-	8	•
Clacton-on-Sea	1013.0	+2	NNE	2	bc	61	85	7	2500	CuNb	5	-	5	0
Shoeburyness	1013.5	+4	NNE	2	c-	58	85	6	2500	Cu	6	Ci	7	•
Grain	1013.5	+2	NNE	4	b	60	75	8	2500	Cu	3	-	3	0
Lympne	1012.9	+3	N'E	3	bc	57	85	8	2500	Cu	4	-	4	•
Scilly (St. Mary's)	1017.2	+1	NNW	2	c	58	85	7	4000	Cu	3	CiCu	8	4
Falmouth (Pendennis)	1016.4	+3	N	3	bc	58	85	8	2500	Cu	3	CiCu	5	0
Plymouth (Cattewater)	1015.3	+3	NNW	4	bc-	61	65	8	4000	Cu	4	-	4	0
Portland Bill	1011.5	0	N	2	bc	59	85	7	-	-	0	ACu	6	0
Southampton (Calshot)	1013.9	+2	N	2	b-	61	75	7	4000	Cu	1	-	1	0
Dungeness	1013.4	+2	E	4	bc	60	75	7	2500	Cu	4	-	4	4
Jersey	1013.0	+1	N	3	b	59	75	8	-	-	0	-	0	3

London Observations

24 Hours ended 0900 G.M.T. 3rd (Weather, Temperature, Rainfall); Sunshine: Yesterday; Humidity: 15h. Yesterday, 9h. To-day.

London Observations	Weather Morning	Weather Afternoon	Weather Night	Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew } 24 hours ended 0700	ofwmc	coumr	bfwof	•	•	38	1	-	2.5	•	•
Croydon } 24 hours ended 0700	ofcom	obrRm	cbwf	•	•	38	3	tra	1.5	•	•
Greenwich (Royal Obsy.)	oc	orr	objpd	63	44	35	1	-	1.6	86	93
City (Bunhill Row)	•	•	•	•	•	•	•	•	2.2	•	•
Westminster (St. James' Pk.)	•	•	•							•	
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	1.7	•	•
Camden Square	od	oupp	•	64	45	41	6	-		•	93
Kensington Palace	ort	oro	•	63	45	37	5	0.3	•	91	96
Hampstead Observatory	•	•	•			•			3.0	•	

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 2nd

South Kensington			
Max.	Time.	Min.	Time.

Kew Observatory			
Max.	Time.	Min.	Time.

Solar Radiation.
Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate

.... Milliwatts.

Maximum Rate

.... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from

.... h. ... m.

to .... h. ... m.

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

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	C_1C_2	8	-	10
01h.	C_1C_2	7	-	85
07h.	C_3	7	-	115

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

3rd & 4th September, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.8 5.9	11.52 11.52	6.37 6.35
Greenwich	5.17 5.18	11.59 11.59	6.42 6.40
Wick	5.17 5.19	12.11 12.11	7.6 7.3
Valencia	5.57 5.58	12.40 12.40	7.24 7.22

Beaufort Notation of Weather.

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

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

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

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

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

Sea Disturbance.

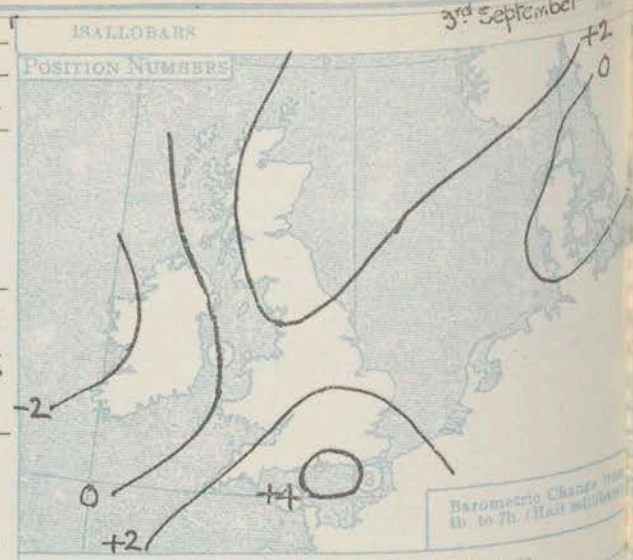
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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

M.O. Form 2370.

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. Hours.
Lerwick	b.bc	oo	r-d	r-d	57	48	•	-	9	-	<2100	•
Stornoway	oo	oo	c	p	56	47	•	-	2	-	-	0.1
Wick	od.d.	omod	oo	or.r.	55	48	•	trace	1	1630	0530	•
Castlebay	bo	oo	o	obop	57	52	•	-	1	-	-	4.0
Nairn	c	mo	odm	odm	57	49	•	-	1	-	-	0.0
Aberdeen	oo	oo	ocrm	ccrmo	56	50	48	-	-	-	-	0.2
Malin Head	c	c⊕	bcm	oLR	58	50		-	4	-	2200	7.4
Renfrew	b.bc	b.bc	bcbzwc	comrr	68	47	41	-	0.4	-	0430	7.3
Edinburgh (Inchkeith)	oo	c	oo	f.m	61	52	50	0.1	-	-	-	4.2
Leuchars	oo	bbc	f-m		60	50	•	-	-	-	-	2.6
Eskdalemuir	oo	com	om	om	58	49	47	-	-	-	-	0.7
Tynemouth	omddm	od.m	com	om	55	50	46	1	-	<0800	-	•
Blacksod Point	c	oo	p	ord	59	50	•	-	4	-	-	•
Donaghadee	bc	bc	bc	omr	60	50	•	-	3	-	0230	•
Birr Castle	co	co	co	orro	62	50	49	-	7	-	0430	*
Collinstown	oo	c	oo	or.m	63	51	*	-	2	-	0130	4.5
Holyhead	ocb	bbcco	coimw	bcom	59	51	49	-	-	-	-	5.1
Liverpool (Bidston)	oo	oo	om		59	54	48	-	-	-	-	0.1
Chester (Shotwick)	ommo	op.om	om	om	60	50	45	trace	-	1530	-	•
Spurn Head	c	c	c	c	65	53	•	-	trace	-	0630	7.0
Nottingham	c	bbc	bc	oo	63	51	44	-	-	-	-	4.3
Cranwell	omoc	cbbcc	oo	m	63	46	41	-	-	-	-	7.0
Gorleston	cvbc	bccq	bbcfc	beife	65	48	45	-	trace	-	-	9.8
Valencia (Cahirciveen)	ocb		ov	ov								
Roches Point	bc c	c.o	or.r.o	DD	65	52	•	-	v	-	2200	•
Pembroke (St. Ann's H.)	c	bbc	c	c	62	52	•	-	-	-	-	9.2
Ross-on-Wye	om	bccbo	bmwcb	bmwffe	63	45	42	-	trace	-	-	4.7
Benson	omo	bcc	bcb	ofe	63	45	38	-	trace	-	-	•
Andover	omo	ocbcb	bcc	of	63	49	43	-	-	-	-	3.1
S. Farnborough	ocmm	icopr.pr	or.cbf	dff	64	42	37	1	0.6	1630	2200	3.7
London (Kew Obsy.)	ofvmc	coumr	czbfw	bfwdfw	63	46	38	1	-	1430	-	2.5
Croydon	ofcom	opr Rm	cbmw	bmwf	61	44	38	3	trace	1330	-	1.5
Clacton-on-Sea	bcmf	tlp bc	bcb	bbcm	65	50	48	0.1	-	1530	-	7.9
Shoeburyness	omistlv	bc	coff	off	65	47	39	-	trace	-	-	5.1
Grain	ofmc	cbcb	bbc	bccom	63	49	43	0.1	-	1330	-	7.0
Lympne	ofmt	cmtlr.pr	ocbcf.b Pr.m	bbccom f	62	51	46	3	4	1230	<2100	7.1
Scilly (St. Mary's)	co	c	c	cod.d	61	53	•	-	0.2	-	0630	4.3
Falmouth (Pendennis)	bcq	bcq	bc	beco	62	53	•	trace	-	<0800	-	10.8
Plymouth (Cattewater)	bbc	bbc						-		-		
Portland Bill	c	c	bbc	cm.	61	50	•	-	-	-	-	•
Southampton (Calshot)	r-d	c	m	mo	63	50	49	trace	-	1100	-	4.5
Dungeness	c	bbc	bbc	F	64	48	•	0.4	-	1430	-	•
Jersey	otlrh	cb	b	b	61		•	5	-	0900	-	7.5



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	2nd 1010	"Cambria"	NNW	3	0	55	55
1	" 1200	Reindeer	NE'N	3	0	55	60
3	3rd 0200	Dieppe	NNW	2	6	59	60

GENERAL INFERENCE.

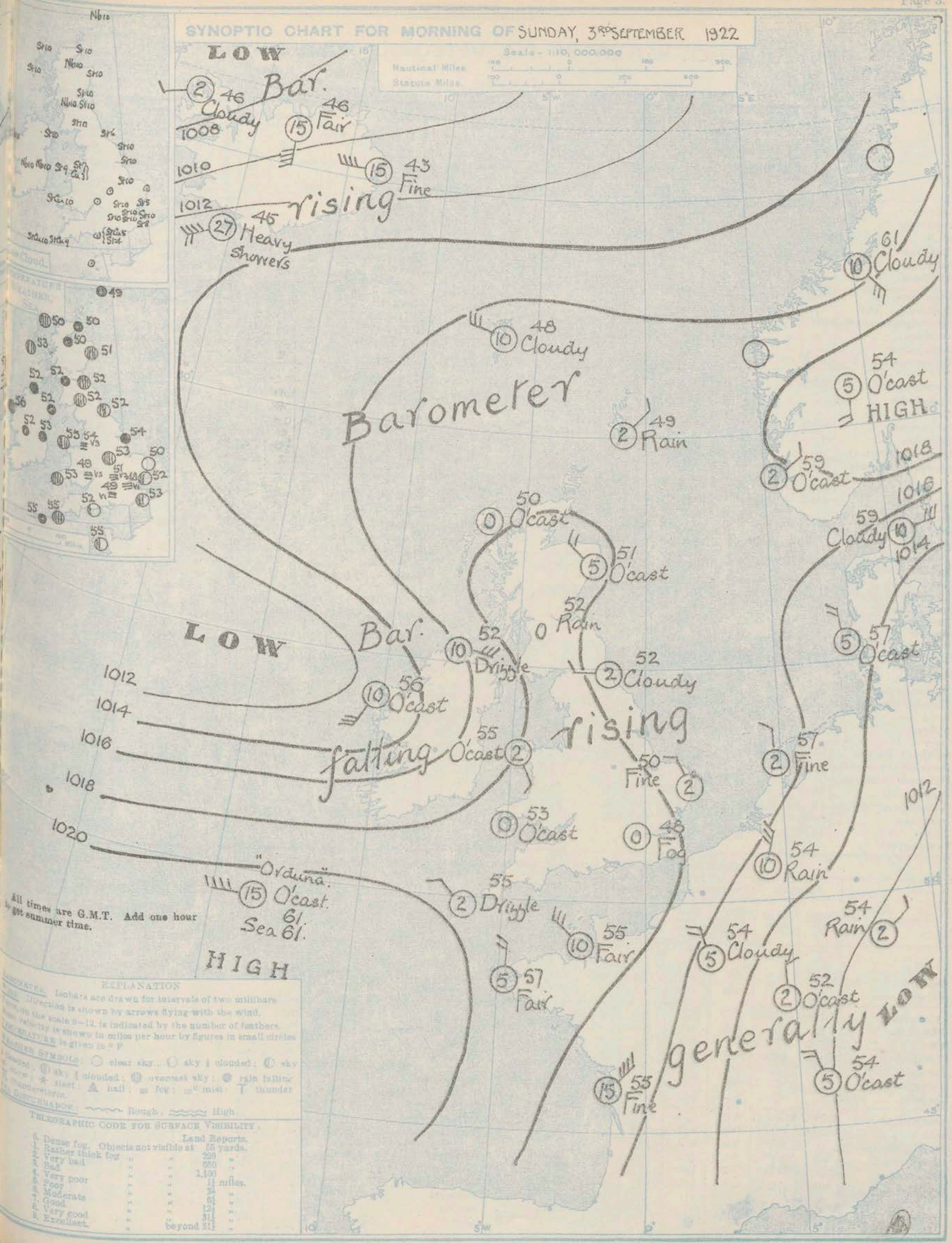
A week Anticyclonic ridge over the British Isles is giving way before a depression approaching Ireland. Rain is probable in Western and Northerndistricts. In the S. and S.E., mainly cloudy weather with mist and drizzle locally will prevail.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Sunday, 3rd September, 1922	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind light and indefinite or westerly later. Mainly cloudy Some mist locally with perhaps occasional drizzle. Temperature rising somewhat.	None issued.
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 S.W. winds. Cloudy. Mist locally with some rain or drizzle. Temperature rising.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Light Southwesterly winds freshening later. Mist locally with some rain or drizzle. Moderate temperature	
17. N.W. Ireland 18. N.E. Ireland	Moderate S.W. winds. Dull. Some rain and mist. Moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	As 4 - 6.	

RAW.

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

† For Code see opposite page.



All times are G.M.T. Add one hour for 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. Wind velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: ○ clear sky; ◐ sky ½ clouded; ◐ sky ¾ clouded; ● overcast sky; ● rain falling; ● snow; ★ sleet; ▲ hail; ≡ fog; ≡ mist; T thunder; ⚡ thunderstorm.
SEA DISTURBANCE: ~~~ Rough; ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

		Land Reports.
0. Dense fog.	Objects not visible at	55 yards.
1. Rather thick fog	" "	220 "
2. Very bad	" "	550 "
3. Bad	" "	1,100 "
4. Very poor	" "	1½ miles.
5. Poor	" "	2½ "
6. Moderate	" "	5½ "
7. Good	" "	12½ "
8. Very good	" "	31½ "
9. Excellent	" "	beyond 31½ "

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... SUNDAY, 3RD SEPTEMBER ... 1922. No. 246

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1016.2	0	NE	1	odd	50	97	6	2500	Nb	10	-	10	•
Stornoway	1019.7	+1	-	0	b	•	•	5	•	•	•	•	•	•
Wick	1016.4	0	WNW	1	0	49	92	8	800	Sr	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1016.0	-1	SE	2	or	53	97	7	5700	Nb	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1016.0	+1	SSE	2	o	54	97	8	-	Sr	10	-	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1017.3	0	NW	1	0	54	85	6	-	-	0	A.Sr	10	•
Blacksod Point ...	1013.5	-4	S	5	o	53	92	7	-	Nb	10	-	10	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1018.7	0	W	1	0	53	97	6	2500	Sr	10	-	10	•
Holyhead	1017.2	+1	SW'W	1	b	53	97	6	-	-	0	-	0	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1016.5	0	N'E	3	0	56	92	7	-	-	0	A.Sr	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1017.8	+1	NW	3	0	53	97	6	2500	SrCu	10	-	10	•
Gorleston	1016.2	+1	NW'N	2	imbc	51	97	5	2500	Sr	4	-	4	•
Valencia (Cahirciveen)	1018.6	-2	S	3	ODD	54	97	8	-	SrCu	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1019.0	+2	NW	5	bc	53	85	8	4000	SrCu	5	-	5	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	48	•	•	•	•	•	•	•	•
Croydon	1016.8	+2	W	2	b	46	97	5	-	-	0	-	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1015.4	+2	N	3	b	52	97	5	-	-	0	-	0	•
Scilly (St. Mary's) ...	1018.7	0	NW'N	2	c	55	92	8	4000	SrCu	7	-	7	•
Falmouth (Pendennis)	1018.4	+2	N	3	bc	55	85	7	4000	Cu	5	-	5	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1015.9	+2	N'E	4	b-	57	75	7	-	-	0	CiCu	3	•
Southampton (Calshot)	1016.6	+1	NW'N	4	mmb	53	97	6	-	-	0	-	0	•
Dungeness	1014.8	+1	NE	2	b	49	97	6	-	-	0	-	0	•
Jersey (7h)	1017.9	+2	NNW	3	b	56	92	6	-	-	0	-	0	•
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1017.6	+2	NE	1	orr	49	97	6	2500	Nb	10	-	10	0
Stornoway	1017.9	+1	-	0	o	50	97	5	800	Sr	10	-	10	0
Wick	1018.0	+2	NW	1	orr	50	97	7	800	Sr	10	-	10	0
Castlebay	1018.0	+1	-	0	or	53	92	8	1500	Sr	10	-	10	•
Nairn	1018.3	•	-	0	odd	50	92	7	1500	Nb	10	-	10	0
Aberdeen	1018.7	+2	NW	2	o	51	92	7	2500	Sr	10	-	10	1
Malin Head	1016.2	0	E'S	3	odd	52	97	6	5700	Nb	10	-	10	•
Renfrew	1018.2	+3	-	0	orr	52	97	5	2500	Nb	10	-	10	1
Edinburgh (Inchkeith)	1017.4	+2	WSW	2	mo-	52	92	6	-	Sr	10	-	10	•
Leuchars	1017.6	+1	-	0	mmo	53	97	6	1500	Sr	10	-	10	•
Eskdalemuir	1018.3	+2	-	0	o	52	97	5	<150	Sr	10	-	8	0
Tynemouth	1017.7	0	W	1	c	52	92	4	2500	Sr	6	A.Sr	10	3
Blacksod Point ...	1012.8	-3	SW	3	mo+	56	97	5	-	Nb	10	-	10	0
Donaghadee	1017.4	0	SW	1	orr	52	92	6	1500	Sr	10	-	10	•
Birr Castle	1015.8	•	S	1	orr	52	97	5	450	Nb	10	-	10	•
Collinstown	1018.6	0	-	0	orr	53	97	4	450	Nb	10	-	10	0
Holyhead	1018.0	+1	SSE	1	o	55	97	6	225	Sr	9	A.Sr	10	1
Liverpool (Bidston) ...	1018.2	+1	SW'S	1	fo-	54	97	3	1500	Sr	10	-	10	•
Chester (Shotwick) ...	1017.7	+1	SE	1	o	53	97	4	2500	Sr	10	-	10	•
Spurn Head	1018.4	+2	NNW	2	odd	54	97	4	1500	Sr	10	-	10	2
Nottingham	1018.4	•	-	0	o°	53	92	5	-	-	0	A.Cu	9	•
Cranwell	1019.1	+2	-	0	mo-	52	97	6	800	Sr	10	-	10	•
Gorleston	1017.4	+1	NNW	1	b-	50	97	5	-	-	0	-	0	0
Valencia (Cahirciveen)	1018.6	-2	S	3	ODD	54	97	8	-	SrCu	10	-	10	3
Roches Point	1017.1	-1	SSW	4	ODD	54	97	4	800	Nb	10	-	10	2
Pembroke (St. Ann's H.)	1019.2	0	-	0	o	53	97	7	2500	SrCu	10	-	7	•
Ross-on-Wye	1018.7	+1	-	0	mc-	49	97	3	-	-	0	Ci	10	•
Benson...	1018.9	+3	N	2	ffo	51	92	3	-	Sr	10	-	10	•
Andover	1019.3	+3	NE	1	ffo	51	97	3	225	Sr	10	-	10	•
S. Farnborough ...	1018.9	+3	-	0	FFO	49	97	1	450	Sr	10	-	10	•
London (Kew Obsy.) ...	1019.6	+3	-	0	Fo-	48	97	1	450	Sr	10	-	10	•
Croydon	1019.2	+3	NW	2	ffo	46	97	2	225	Sr	10	-	5	0
Clacton-on-Sea ...	1017.9	+2	N	2	mmbc	52	92	4	<150	Sr	5	-	10	0
Shoeburyness	1018.3	+2	N	1	fo-	51	92	3	800	Sr	10	-	10	0
Grain	1018.4	+2	-	0	o	51	97	4	450	Sr	10	-	10	•
Lympne	1017.6	+3	N	4	o-	52	97	5	225	Sr	10	-	10	1
Scilly (St. Mary's) ...	1019.9	+2	NW	1	odd	55	97	8	4000	SrCu	10	-	9	0
Falmouth (Pendennis)	1020.2	+3	-	0	o°	55	92	7	4000	SrCu	9	-	4	0
Plymouth (Cattewater)	1017.2	+2	N'E	2	mbc	52	85	6	-	-	0	CiCu	9	0
Portland Bill	1019.0	+4	N	3	mmo	52	92	5	1500	SrCu	9	-	8	4
Southampton (Calshot)	1017.6	+2	NE	3	c/f	53	97	7	1500	Sr	8	-	4	3
Dungeness	1018.4	+1	NW	3	bc	55	92	8	-	-	0	ACu		
Jersey (7h)														
Guernsey (1h)														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 2ND SEPTEMBER

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 1st-2nd	Temperature. Max. Day. 2nd	Rainfall.† Night 17h.-9h. 1st-2nd	Rainfall.† Day 9h.-17h. 2nd	Sunshine. Sunrise to 17h. 2nd	Sunshine. Sunrise to Sunset. 1st
			°F.	°F.	mm.	mm.	hr.	hr.
Banff	o	or	53	55	0.1	-	0.0	0.0
Montrose	•	•	53	60	1	-	4.0	0.0
Llandudno	ocb	cbo	50	61	2	-	2.2	0.1
Colwyn Bay ...	cbc	cbo	54	61	5	-	1.8	0.1
Rhyl...	cbc	bcco	51	62	8	-	2.5	0.3
Southport	oco	oco	49	59	0.3	-	0.2	2.8
Blackpool	po	co	50	58	0.6	-	0.1	4.0
Harrogate	o	c	46	53	-	-	0.7	5.1
Skegness	b	b	46	60	-	-	8.8	9.3
Aberystwyth ...	ccbc	cbco	46	61	8	-	4.5	1.7
Bath	ocbc	bcb	49	63	0.3	-	5.4	2.4
Leamington Spa ...	o	cb	46	62	-	-	3.8	0.0
Lowestoft	bc	bcpbc	46	64	-	3	7.4	9.1
Felixstowe	bbcp	bbc	50	61	-	-	8.4	11.7
Southend	bcc	pcb	47	64	-	6	4.5	2.9
Paignton	bm	bbcbcz	52	64	10	-	9.3	3.8
Ilfracombe	bc	bcb	54	63	2	-	10.8	5.5
Bude	obc	bc	55	64	trace	-	7.2	4.9
Penzance	b	b	53	65	-	-	10.0	5.6
Falmouth Observatory	c	b	52	64	8	-	9.1	5.1
Torquay	c	c	49	66	0.4	0.1	6.2	3.4
Weymouth	oo	bcc	47	62	-	-	2.2	2.3
Bournemouth ...	o	b	50	64	-	-	4.7	2.1
Portsmouth (S'thsea)	bco	oro	47	62	3	0.3	5.8	0.1
Worthing	bbc	cop	49	64	0.4	0.9	7.5	0.9
Brighton	bbcc	tlrcbc	47	65	-	3	7.3	1.4
Eastbourne	mmbc	tlrhc	48	64	-	2	5.7	1.0
Hastings	bc	bc	50	64	-	trace	9.2	4.9
Folkestone	amoc	ptlbc	44	64	-	0.5	4.0	0.8
Tunbridge Wells ...	bbc	b	51	65	-	-	8.7	4.6
Ramsgate	b	b	53	61	1	-	9.0	3.2
Margate	bcc	bcb	48	65	-	-	7.8	6.2

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22201 MONDAY, 4TH SEPTEMBER 1922.

Stations	1300 G.M.T. 3rd: Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9	1800 G.M.T. 3rd: Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	1020·5	+3	NNW	2	c-	54	85	8	-	-	0	ACu	8	•	1022·7	+3	N	1	bc+	54	85	7	4000	StCu	6	-	6	0
Stornoway	1020·7	+3	ENE	1	0	54	92	5	800	St	10	-	10	•	1021·8	+1	E	1	0	53	92	5	800	St	10	-	10	8
Wick	1020·5	+2	NE	2	c-	53	92	8	1500	StCu	8	-	8	•	1022·8	+4	NE	2	0	53	85	8	4000	StCu	8	CiSt	10	
Castlebay														•														
Nairn														•	1022·8	•	E	1	C+	54	75	7	4000	StCu	8	-	8	•
Aberdeen	1020·6	+2	NW	2	c-	57	85	7	1500	St	8	-	8	•	1022·8	+3	N	2	C	53	85	7	1500	St	7	-	7	0
Malin Head	1017·9	+1	E'S	4	o/r	56	92	6	2500	St	9	-	9	•	1018·9	+1	SE	2	o	58	92	7	5700	StCu	10	-	10	1
Renfrew	1020·3	+2	ESE	1	o/r	61	75	5	4000	St	10	-	10	•	1021·9	+2	ENE	1	mmmo	59	85	5	5700	StCu	10	-	10	•
Edinburgh (Inchkeith)	1020·1	+2	ENE	1	o/t	56	92	6	-	-	0	ASt	10	•	1021·8	+2	ENE	1	0	55	85	7	-	StCu	10	-	10	1
Leuchars	1020·6	+2	SE	1	o/r	56	85	7	1500	St	3	ASt	10	•	1021·7	+2	-	0	0	57	85	7	-	-	0	ASt	10	5
Eskdalemuir	1020·1	+2	-	0	0	59	92	2	4000	StCu	7	ASt	10	•	1021·7	+2	-	0	0	59	85	7	1500	StCu	7	ASt	10	•
Tynemouth	1019·5	+2	NNE	1	0	55	92	6	4000	StCu	10	-	10	•	1021·0	+1	N	1	0	55	85	7	4000	StCu	7	ACu	10	0
Blacksod Point	1015·6	+6	W	2	0	60	92	7	-	-	0	ASr	10		1016·3	+3	SW	2	0	59	92	9	-	-	0	ASr	10	0
Donaghadee	1019·3	+2	SE	2	o/r	57	92	6	800	StCu	9	-	9	•	1020·5	+1	SE	1	c-	57	92	8	5700	StCu	2	ACu	7	0
Birr Castle	1016·4	•	S	1	orₒrₒ	59	92	6	2500	Nb	10	-	10	•	1018·6	•	S	1	orₒ	59	92	6	450	Nb	10	-	10	•
Collinstown	1019·6	+1	SE	3	odd	56	97	4	450	Nb	10	-	10	•	1021·3	+2	SSE	3	0	56	97	6	800	StCu	9	-	9	•
Holyhead	1020·2	+2	-	0	o/r	57	92	6	92	St	10	-	10	•	1021·3	+2	-	0	0	57	85	6	5700	St	3	ACu	10	0
Liverpool (Bidston)	1020·2	+1	W	1	0	58	85	4	2500	St	10	-	10	•	1021·0	+1	NW'N	1	mc-	58	85	6	1500	St	8	-	8	1
Chester (Shotwick)	1019·1	+1	NW	2	0	62	75	7	4000	St	2	ASt	10	•	1020·1	+1	NW	3	b	60	85	7	-	-	0	ACu	1	•
Spurn Head	1019·6	+1	ENE	1	0	59	85	5	-	-	0	ASt	10	•	1020·5	+1	-	0	0	57	85	5	4000	StCu	10	-	10	1
Nottingham	1019·5	•	SE	1	c	62	85	6	1500	Cu	7	ACu	7	•	1020·0	•	WSW	1	b	62	75	6	-	-	0	Ci	3	•
Cranwell	1020·1	0	NNE	2	c-	63	65	7	4000	Cu	3	-	6	•	1020·8	+1	NNE	2	c+	62	75	7	4000	St	2	ACu	7	•
Gorleston	1019·5	+1	NNE	4	c+	62	75	6	4000	StCu	8	-	8	•	1020·0	+1	N'E	4	c+	58	85	7	5700	StCu	4	Ci	6	1
Valencia (Cahirciveen)	1017·8	+1	W	3	0	58	85	8	450	St	10	-	10	•	1018·9	+1	WNW	2	0	56	92	7	450	StCu	9	-	9	3
Roches Point	1016·5	0	-	0	o+	63	85	8	1500	StCu	9	-	9	•	1017·8	+1	NW	1	o	61	92	8	1500	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1020·5	+1	SE	2	orₒrₒ	55	92	7	1500	Nb	10	-	10	•	1021·0	0	S	4	o/r	56	85	7	1500	St	10	-	10	4
Ross-on-Wye	1019·6	+1	NE	2	o/d	62	75	7	4000	StCu	10	-	10	•	1020·8	+1	NE'E	1	c	61	75	6	4000	Cu	1	ASt	8	•
Benson	1020·6	+2	N	2	bc-	60	75	7	-	Cu	5	-	5	•	1020·6	+1	-	0	bc	59	65	6	-	-	0	Ci	5	•
Andover	1020·4	+1	-	0	c-	62	75	6	1500	StCu	7	ASt	8	•	1021·2	+1	-	0	o	60	85	6	4000	St	10	-	10	•
S. Farnborough	1020·1	+1	ENE	1	c-	58	85	6	2500	StCu	7	-	7	•	1020·4	+1	ENE	1	c/f	60	85	7	-	-	0	Ci	7	•
London (Kew Obsy.)	1020·7	+1	NNE	1	bc/f	59	75	6	5700	Cu	5	-	5	•	1020·9	+1	-	0	bc	60	75	7	-	-	0	Ci	4	•
Croydon	1020·1	+1	N'W	2	bc-	60	75	5	2500	Cu	4	-	4	•	1020·1	+1	W	1	bc	60	75	6	4000	Cu	3	Ci	5	•
Clacton-on-Sea															1020·0	+1	ENE	3	bc	61	85	7	4000	Cu	3	Ci	5	0
Shoeburyness	1019·7	+3	N	1	bc-	64	55	7	2500	Cu	6	-	6	•	1020·3	+1	-	0	bc	62	75	7	2500	Cu	2	Ci	4	•
Grain	1019·5	0	NW	3	bc-	61	55	7	4000	Cu	5	-	5	•	1020·2	+1	-	0	c+	63	65	8	4000	Cu	1	Ci	7	8
Lympne	1019·3	+2	N	4	bc	60	85	7	1500	Cu	4	-	4	•	1019·8	0	N'E	1	b	59	85	8	4000	Cu	1	Ci	2	•
Scilly (St. Mary's)	1020·5	0	S	2	orr	55	97	5	1500	St	10	-	10	•	1019·7	-1	S'E	4	orr	58	97	5	4000	Nb	10	-	10	4
Falmouth (Pendennis)	1021·6	+2	-	0	orₒrₒ	55	97	6	2500	Nb	10	-	10	•	1022·0	0	S	3	o/r	56	92	6	2500	St	10	-	10	0
Plymouth (Cattewater)	1020·4	+1	W	1	o/p	58	85	6	2500	St	10	-	10	•	1021·1	+1	-	0	o/r	57	~~75~~ 92	6	1500	St	10	-	10	0 1-
Portland Bill	1020·7	+2	N	2	bc+	60	75	6	-	-	0	CiCu	6	•	1020·9	0	-	0	b	60	75	6	-	-	0	CiCu	3	0
Southampton (Calshot)	1020·3	0	NNW	1	bc-	60	85	6	-	-	0	Ci	4	•	1021·0	+2	NNW	1	o+	62	75	6	-	-	0	ASt	9	0
Dungeness	1019·1	+1	NE	4	bc	63	75	7	2500	Cu	5	-	5	•	1020·5	+1	ENE	3	bc	61	75	7	2500	Cu	2	Ci	4	3
Jersey 7h / Guernsey 1h	1020·0	0	N	3	c+	65	75	8	-	-	0	ACu	8	•	1021·4	+1	WNW	3	0	60	85	7	1500	St	10	-	10	2

London Observations	Weather: Morning	Weather: Afternoon	Weather: Night	Temperature: Max °F.	Temperature: Min. °F.	Temperature: Min. on Grass °F.	Rainfall mm.: Day	Rainfall mm.: Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 4th								Yesterday.		To-day.
Kew	amrbcz	bbc	bcfWm	•	•	41	-	-	4.3	•	•
Croydon (24 hours ended 0700)	fmobc	bbcz	bczom	•	•	41	tra	-	5.0	•	•
Greenwich (Royal Obsy.)	oc	cbcz	bjpocm	66	48	40	-	-	4.1	66	87
City (Bunhill Row)	•	•	•	•	•	•	•	•	4.1	•	•
Westminster (St. James' Pk.)	•	•	•	66	52	?	-	-	4.4	50	77
Regent's-Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	4.1	•	•
Camden Square	o	bc	•	69	52	47	-	-	•	•	87
Kensington Palace	obc	bc	•	65	51	43	-	-	•	71	87
Hampstead Observatory	•	•	•	65	51	40	-	-	5.8	•	87

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

South Kensington: Max.	Time.	Min.	Time.

Kew Observatory: Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate ....Milliwatts.

Maximum Rate ....Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 3rd 19 h. 30 m. to 4th 4 h. 30 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	9.0	4.40	52
δ Ursae Minoris	9.0	4.1	45

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

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

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

4th & 5th Sept., 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.9 5.11	11.52 11.52	6.35 6.32
Greenwich	5.18 5.20	11.59 11.59	6.40 6.37
Wick	5.19 5.21	12.11 12.11	7.3 7.0
Valencia	5.58 6.0	12.40 12.40	7.22 7.19

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.

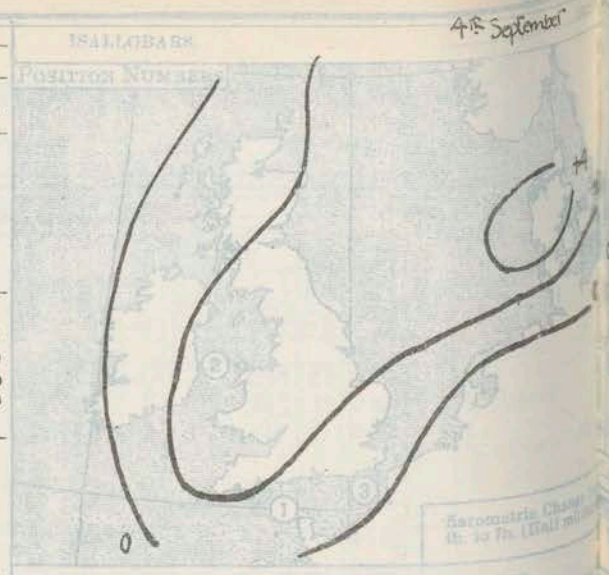
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[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.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 3°	13h.-18h. 3°	18h. 3° to 1h. 4°	1h.-7h. 4°	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	c	borbc	b.bc	c	55	47	•	3	-	<0800	•	•
Stornoway	borbc	0.0	c	oo	55	52	•	-	-	—	-	0.0
Wick	oo	oo	oo	oo	55	51	•	0.2	-	<0800	-	•
Castlebay	o	o	o	o	58	48	•	-	-	-	-	0.0
Nairn	omc		cmbc	bc	57	43	•	-	-	-	-	1.0
Aberdeen	oo	c	coc	co	58	50	46	0.4	-	0800	-	0.6
Malin Head	ud o3	c	c	c	59	54	•	-	-	-	-	1.1
Renfrew	omrdz	o3m	om		62	52	49	0.5	trace	0800	-	0.0
Edinburgh (Inchkeith)	form	oo	oo	oo	57	52	51	0.2	-	1730	-	0.0
Leuchars	rord	oo	oo		58	52	•	1	-	0900	-	0.0
Eskdalemuir	omo	om	om	ow	60	48	45	-	-	—	-	0.0
Tynemouth	onm	om	co	odddm	58	52	48	-	0.1	-	0430	•
Blacksod Point ...	oo	oo	f-m	c	60	50	•	0.5	-	—	-	•
Donaghadee	orr	co	bcm	ffb	57	49	•	3	-	<0800	-	•
Birr Castle	Rrr	oir	oid	oid	61	55	54	4	0.1	<0800	<2100	•
Collinstown	oddm	addm	oo	cm	58	51	•	3	-	<0800	-	0.3
Holyhead	orrm	om	octbm	bbc	59	51	47	-	-	-	-	0.0
Liverpool (Bidston) ...	form	form	f-m		61	52	•	-	-	-	-	1.9
Chester (Shotwick) ...	omo	obb	bbcm	off	63	47	42	-	-	-	-	•
Spurn Head	c	oo	c	oo	63	53	•	Trace	-	—	-	0.1
Nottingham	cq	c	bco	oo	64	51	47	-	-	-	-	0.7
Cranwell	mc	bc.c	c	ooz	65	50	49	-	-	-	-	5.0
Gorleston	b.bc.c	c.bc.c	bnbcc	odd	63	51	48	-	1	-	0230	9.7
Valencia (Cahirciveen)	opdmc	cc.dm	odo.c	o	64	55		0.1		<0800		
Roches Point	dd c.d	o					•	1	0.3	<0800	-	•
Pembroke (St. Ann's H.)	rord	orro	c	offo	58	51	•	3	-	<0800	-	0.0
Ross-on-Wye	mybco	oc3	cbmwc	FFc	64	45	43	-	trace	—	-	2.5
Benson...	bc	bc.b	b	gfw	63	46	49	-	-	-	-	•
Andover	ofcm	co	oo	off	64	44	36	-	-	-	-	3.1
S. Farnborough ...	ofomc	c3c	cmom	om	65	44	38	-	-	-	-	2.7
London (Kew Obsy.) ...	owrbcy	b.bc	bcbfw	nfwom	64	51	41	-	-	-	-	4.3
Croydon	fmobc	bc.b3	bczmow	owmb	63	49	41	Trace	-	—	-	5.0
Clacton-on-Sea ...	m	mbc	bcb.1	blom	65	52	46	-	-	-	-	9.2
Shoeburyness	bc	bc	bc	occom	67	48	42	-	-	-	-	6.1
Grain	ocbc	b.bc.c	cbcc	com	65	46	39	-	-	-	-	6.9
Lympne	ombc	bc.b	b.bcc	ocmm	63	50	38	-	trace	—	-	9.7
Scilly (St. Mary's) ...	omdd	omrr	ff	ifir	7	54	•	7	2	<0800	<2100	0.0
Falmouth (Pendennis)	omr	om	om	omcb	57	55		4	-	0800	-	0.0
Plymouth (Cattewater)	oo	rord	bm	orcbc	59	48	45	2	0.1	15.30	<2100	0.9
Portland Bill	c	borbc	b.bc	bbc	61	53	•	-	-	-	•	•
Southampton (Calshot)	c	c	f-m	c	63	48	44	-	-	-	-	6.3
Dungeness	borbc	borbc	bbc	c	66	49	•	-	-	-	-	•
Jersey 7h. ...	bc	cm	o	oco	66	48	•	-	-	-	-	6.0
Guernsey 1h.												



Observations from Cross-Channel Steamers

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
3	4th 0200	Brighton	NNW	2	0	59	60
2	4th 1000	Cambria	SSE	3	?	54	55

GENERAL INFERENCE.

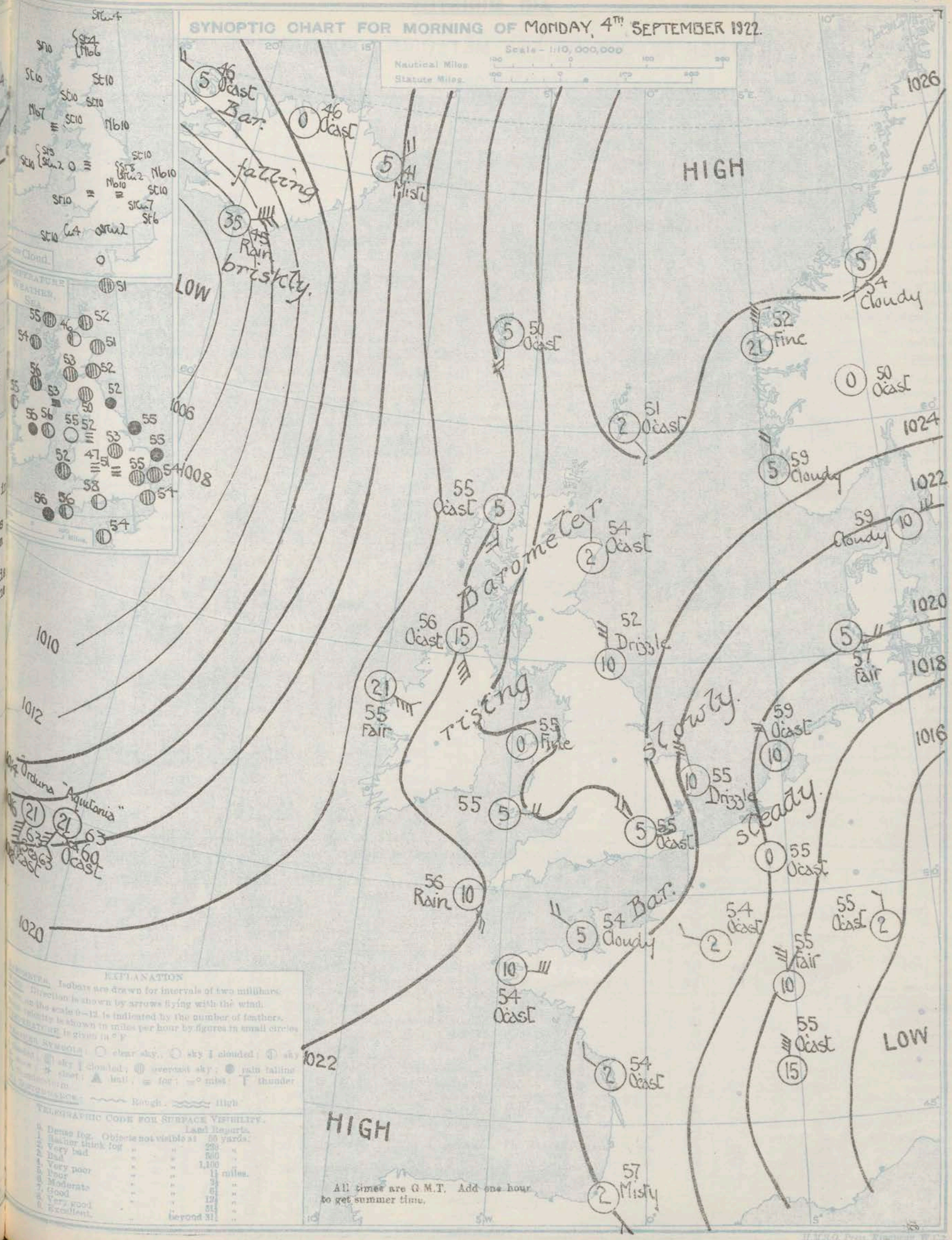
The anticyclone will cause ma[illegible] fair weather and light winds generally for the next 24 hours with mist or fog at night, but a depression SW. of Iceland will cause freshening southerly winds and some rain before long on the western coasts of Ireland and Scotland.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 4th September, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind light and indefinite; mainly fair, mist or fog at night; moderate temperature.	NONE ISSUED
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light to moderate southeasterly to southerly breezes; mainly fair, some mist or fog; moderate temperature.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Wind light and indefinite; cloudy to fair; mist locally; moderate temperature.	
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 5 - 8.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.10 GMT. E.V.K.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF MONDAY, 4TH SEPTEMBER 1922.



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

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Monday 4th September 1922. No. 247

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1024.8	+1	–	0	b	48	92	7	-	-	0	-	0	•
Stornoway	1023.3	0	E	1	0	•	•	5	•	•	•	•	•	•
Wick	1024.5	+1	SSE	2	0	52	92	8	5700	StCu	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1021.0	+1	SSE	4	0	55	97	8	-	-	0	ACu	9	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1024.1	+3	E	1	0	53	92	8	-	-	0	ASr	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1023.8	+2	NNW	2	0	53	92	6	-	-	0	ASr	10	•
Blacksod Point ...	1019.1	+3	NSW	2	otl	56	97	5	-	-	0	ASr	10	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1023.6	+2	SSE	2	c	54	97	7	1500	StCu	8	-	8	•
Holyhead	1022.9	+1	E	1	b-	54	97	7	-	-	0	-	0	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1022.8	+1	N	4	0	55	92	7	2500	Sr	9	-	9	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1023.6	+2	N	3	0	52	97	6	2500	StCu	10	-	10	•
Gorleston	1020.8	0	NW	2	0+	51	92	6	5700	StCu	10	-	10	•
Valencia (Cahirciveen)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1023.1	+1	ESE	2	c	56	92	7	4000	StCu	7	-	7	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	56	•	•	•	•	•	•	•	•
Croydon	1022.2	+1	SW	2	0+	51	97	7	2500	StCu	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1021.5	+1	–	0	0	50	97	6	7200	StCu	9	-	9	•
Scilly (St. Mary's) ...	1020.6	0	S'E	4	ofr	55	92	3	2500	Nb	10	-	10	•
Falmouth (Pendennis)	1022.5	+1	S	2	o	55	85	7	4000	StCu	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1021.9	0	NW	2	b-	57	75	6	-	-	0	-	0	•
Southampton (Calshot)	1022.7	0	NN'W	3	mmb	52	97	6	-	-	0	ASr	2	•
Dungeness	1021.2	+1	N	2	b	53	85	7	-	-	0	Ci	3	•
Jersey (7h)	1023.3	+1	NW	1	mmb	54	97	6	-	-	0	-	0	•
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1026.1	+2	SE	1	0	51	85	7	5700	StCu	4	ASr	10	0
Stornoway	1021.6	0	S	2	0	55	85	5	450	Sr	10	-	10	1
Wick	1024.9	+1	SSE	3	0	52	97	8	1500	Nb	10	-	10	0
Castlebay	1021.9	0	SSE	4	0	54	92	8	1500	Sr	10	-	10	4
Nairn	1024.1	•	–	0	bc-	46	92	8	4000	Cu	2	ACu	4	•
Aberdeen	1025.6	+1	N	1	0	51	92	7	1500	Sr	10	-	10	0
Malin Head	1022.2	+1	SSE	4	0	56	92	7	5700	Nb	7	ACu	9	1
Renfrew	1025.5	+2	NE	2	0	53	85	5	1500	Sr	10	-	10	•
Edinburgh (Inchkeith)	1024.8	+2	ESE	2	0	52	92	8	-	Sr	10	-	10	•
Leuchars	1025.8	+3	E	1	0	52	92	7	1500	Sr	10	-	10	•
Eskdalemuir	1025.8	+1	N'E	2	0	50	85	6	800	Sr	10	-	10	1
Tynemouth	1024.9	+2	N	3	odd	52	97	6	4000	Nb	10	-	10	•
Blacksod Point ...	1020.3	+1	ESE	5	bc+	55	92	9	-	-	0	ACu	6	3
Donaghadee	1023.9	+2	–	0	ffb	53	97	1	-	-	0	-	0	0
Birr Castle	1022.5	•	SSE	1	od	56	92	6	450	Sr	10	-	10	•
Collinstown	1024.8	+2	SE	3	c-	56	97	5	1500	Sr	7	-	7	•
Holyhead	1023.7	+1	-	0	b-	55	92	6	-	-	0	-	0	0
Liverpool (Bidston) ...	1024.6	+1	ENE	1	ffo	52	97	2	450	Sr	10	-	10	1
Chester (Shotwick) ...	1023.7	+3	–	0	ffo	52	97	2	<150	Sr	10	-	10	•
Spurn Head	1023.2	+1	NW	4	od	55	92	6	450	Sr	10	-	10	4
Nottingham	1024.2	•	N	1	0	53	92	6	1500	Nb	10	-	10	•
Cranwell	1024.5	+1	NW'N	4	0	52	92	6	1500	Sr	10	-	10	•
Gorleston	1021.5	+1	N'W	3	od+	55	92	5	4000	Nb	10	-	10	0
Valencia (Cahirciveen)	1022.3	+1	SE	1	0	51	92	8	2500	Sr	10	-	10	0
Roches Point	1023.9	+1	E	2	mmo	52	97	4	<150	Sr	10	-	10	3
Pembroke (St. Ann's H.)	1024.3	+2	–	0	fo-	47	97	2	<150	Sr	10	-	10	•
Ross-on-Wye	1023.8	+2	NNW	2	ffo	51	92	3	-	Sr	10	-	10	•
Benson...	1023.8	+1	–	0	ffo	51	97	3	725	Sr	10	-	10	•
Andover	1023.1	+1	NW	1	o-	52	97	5	450	Sr	3	ACu	9	•
S. Farnborough ...	1024.0	+1	NNW	2	0	55	92	5	5700	StCu	7	Ci Sr	9	•
London (Kew Obsy.)...	1023.4	+2	–	0	mb+	52	97	4	–	–	0	-	0	•
Croydon	1023.3	+1	NNW	3	o+	54	97	6	2500	Sr	10	-	10	2
Clacton-on-Sea ...	1022.9	+1	N	2	0	55	85	6	2500	StCu	10	-	10	*
Shoeburyness	1023.0	+2	NW	3	0	55	92	6	800	Sr	10	-	10	0
Grain	1022.4	+2	N'W	4	c	53	97	5	800	Sr	6	ACu	8	•
Lympne	1021.7	+1	SE	3	or	56	97	3	1500	Sr	10	-	10	4
Scilly (St. Mary's) ...	1023.8	+3	SSE	3	bc-	56	92	7	4000	Cu	4	-	4	0
Falmouth (Pendennis)	1023.6	+3	–	0	b-	49	97	2	4000	StCu	1	-	1	0
Plymouth (Cattewater)	1023.9	+2	NE	2	bc+	58	75	6	-	-	0	CiCu	4	0
Portland Bill	1023.8	+1	NN'W	3	mmo	50	97	5	4000	StCu	2	ACu	8	0
Southampton (Calshot)	1022.2	+1	NE	2	bc	54	92	6	-	-	0	ACu	6	0
Dungeness	1023.3	0	NW	2	c	54	97	7	-	-	0	ACu	8	0
Jersey (7h)														
Guernsey (1h)														

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 2-3 °F.	Temperature. Max. Day. 3rd °F.	Rainfall.† Night 17h.-9h. 2-3 mm.	Rainfall.† Day 9h.-17h. 3rd mm.	Sunshine. Sunrise to 17h. 3rd hr.	Sunshine. Sunrise to Sunset. 2nd hr.
Banff	or o	o c o	50	57	1	0·1	2·3	0·0
Montrose			52	58	-	1	0·6	4·0
Llandudno	o	o	45	61	–	–	0·0	2·2
Colwyn Bay ...	c.bc	bc	50	60	–	–	0·2	1·8
Rhyl...	c o	o	51	61	–	–	0·3	2·5
Southport	o.c o.c	cb c c	51	60	–	–	1·3	0·2
Blackpool								
Harrogate	o c	c.bc	47	63	–	–	0·2	0·2
Skegness	c.ob	b bc c	48	61			4·5	9·0
Aberystwyth ...	o.c.c	o	48	60	–	–	0·0	5·0
Bath	b.bc	c o	46	65	–	–	3·9	5·4
Leamington Spa ...	o	omy	46	63	–	–	2·8	3·8
Lowestoft	b bc o c	c b	55	61	–	–	10·0	5·4
Felixstowe	b2	b	49	66	–	–	8·6	7·9
Southend	bc	b	47	67	–	–	7·5	4·9

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 2-3rd °F.	Temperature. Max. Day. 3rd °F	Rainfall.† Night 17h.-9h. 2-3rd mm.	Rainfall.† Day 9h.-17h. 3rd mm	Sunshine. Sunrise to 17h. 3rd hr.	Sunshine. Sunrise to Sunset. 2nd hr.
Paignton	w o m	o m bc	49	60	–	–	1·6	9·1
Ilfracombe	o	o r	52	59	–	4	0·0	?
Bude	o o	o r r o	52	60	–	3	0·0	11·8
Penzance	o r	o r o	54	58	3	3	0·0	7·9
Falmouth Observatory	o r	r c	51	57	–	4	0·1	12·0
Torquay	b	o	51	60	–	–	1·7	9·8
Weymouth	b.bc	bc c3	50	65	–	–	4·3	6·4
Bournemouth ...	bc	bc	47	64	–	–	3·8	3·5
Portsmouth (S'thsea)	b	b	49	65	–	–	7·3	5·7
Worthing ...	b.bc	bc	49	64	–	–	10·5	6·1
Brighton	b	b	50	67	–	–	10·4	7·5
Eastbourne	b.bc	b.bc	50	68	–	–	10·3	7·7
Hastings	w m bc.b	b.bc	51	66	Trace	–	8·2	6·0
Folkestone	b	b	52	66	–	–	9·9	10·1
Tunbridge Wells ...	o.bc b	b b2	46	65	–	–	6·8	4·0
Ramsgate	b	bc	47	67	–	–	10·1	9·4
Margate	bc.b	b	55	64	–	–	9·4	9·6
Deal	3 bc	b c	50	65	–	–	9·0	8·2

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22202 TUESDAY, 5TH SEPTEMBER 1922.

Observations at 1300 G.M.T. 4h

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1025.6	-2	SE	2	0	54	85	7	-	-	0	A St	10	*
Stornoway	1022.3	0	S	2	0	57	85	5	450	St	10	-	10	*
Wick	1024.3	-1	SE	4	0	52	97	7	800	St	10	-	10	*
Castlebay	1022.8	0	SE	4	0pr	56	92	6	800	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1026.0	-1	SSE	2	c-	56	85	7	1500	St	8	-	8	*
Malin Head	1022.9	+1	S	4	0	62	85	7	5700	StCu	10	-	10	*
Renfrew	1025.9	-3	NE	2	b-	60	85	5	-	-	0	Ci	3	*
Edinburgh (Inchkeith)	1025.4	?	NE	1	bc-	56	85	8	-	-	0	Ci St	6	*
Leuchars	1025.8	0	ENE	2	bc	56	85	7	4000	StCu	5	A Cu	6	*
Eskdalemuir	1025.3	-1	NE	2	bc	62	75	6	4000	Cu	1	Ci	6	*
Tynemouth	1026.2	0	NE	2	c/r	55	92	6	-	-	0	A St	8	*
Blacksod Point	1021.5	+2	SW	5	0	63	85	9	-	-	0	A St	10	*
Donaghadee	1024.8	0	SSE	2	mmo	56	92	6	-	-	0	A St	10	*
Birr Castle	1023.6	*	SE	1	o-	61	85	7	-	-	0	Cu	9	*
Collinstown	1025.6	0	ESE	3	b-	64	85	6	4000	StCu	2	Ci St	3	*
Holyhead	1024.9	+1	NNW	1	b-	61	85	6	-	-	0	-	0	*
Liverpool (Bidston)	1024.8	-1	N	1	mb-	59	75	4	-	-	0	-	0	*
Chester (Shotwick)	1023.7	-1	-	0	b	66	75	4	-	-	0	-	0	*
Spurn Head	1024.4	+1	N	5	od	59	85	5	800	St	10	-	10	*
Nottingham	1024.5	*	N	1	0	59	85	7	1500	Nb	10	-	10	*
Cranwell	1024.9	-1	NNW	4	0	59	85	7	1500	St	10	-	10	*
Gorleston	1022.6	0	N'E	4	0	60	85	7	4000	Nb	10	-	10	*
Valencia (Cahirciveen)	1023.0	+1	SSW	3	0+	64	75	8	1500	StCu	6	A St	10	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1025.2	0	SE	1	bcff	61	85	6	2500	StCu	3	Ci	4	*
Ross-on-Wye	1024.8	-1	NNW	2	mmo	59	85	4	450	St	10	-	10	*
Benson	1024.6	0	N	3	o/m	54	85	6	*	St	10	-	10	*
Andover	1023.8	0	NNE	3	c-	63	75	7	2500	Cu	5	Ci St	8	*
S. Farnborough	1023.8	0	N	2	0	60	75	7	1500	StCu	10	-	10	*
London (Kew Obsy.)	1024.3	0	NNW	2	0	58	75	6	1500	StCu	8	A St	10	*
Croydon	1024.1	0	N	3	o/r	57	85	5	1500	St	10	-	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1023.3	0	N	2	0	59	85	5	4000	StCu	10	-	10	*
Grain	1023.5	0	N	4	0	59	85	7	1500	StCu	10	-	10	*
Lympne	1023.1	0	N	4	o/r	58	92	7	800	St	9	A St	10	*
Scilly (St. Mary's)	1023.1	+1	SE	2	b	63	75	7	4000	StCu	3	-	3	*
Falmouth (Pendennis)	1024.5	0	-	0	b-	62	85	6	2500	Cu	2	-	2	*
Plymouth (Cattewater)	1023.9	0	SW	2	b-	62	75	7	4000	Cu	2	-	2	*
Portland Bill	1023.0	-2	-	0	c+	58	75	6	1500	StCu	7	-	7	*
Southampton (Calshot)	1024.1	0	N'N	2	mo-	63	75	6	4000	StCu	7	A Cu	10	*
Dungeness	1022.1	0	NE	3	0	61	75	7	2500	StCu	10	-	10	*
Jersey	1023.3	0	SE	2	bc	65	75	8	4000	St Cu	4	-	4	*

Observations at 1800 G.M.T. 4h

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1024.2	-2	SSW	2	FFo	54	97	1	800	St	10	-	10	1
Stornoway	1021.6	-1	S	3	o/r	56	92	5	450	St	10	-	10	1
Wick	1023.0	-1	S	3	0	55	92	8	5400	StCu	10	-	10	0
Castlebay	1022.1	0	SE	4	mmo	56	92	6	800	St	9	-	9	4
Nairn	1022.1	*	-	0	c+	60	85	7	4000	StCu	8	-	8	*
Aberdeen	1025.6	-1	S'E	3	0	54	92	6	1500	StCu	8	-	8	0
Malin Head	1022.3	0	SW	4	0	61	85	8	5400	StCu	10	-	10	1
Renfrew	1024.8	0	N'E	1	bc-	61	85	5	-	-	0	A Cu	4	*
Edinburgh (Inchkeith)	1025.2	-1	ENE	2	bc	56	85	8	-	-	0	Ci Cu	6	1
Leuchars	1025.3	0	E	2	b	56	92	7	-	-	0	A Cu	3	0
Eskdalemuir	1024.7	0	S	1	b	64	75	8	4000	StCu	2	-	2	*
Tynemouth	1026.3	0	N	2	c	54	92	7	-	-	0	A St	8	0
Blacksod Point	1020.9	-1	S	5	c+	59	92	9	-	-	0	A St	8	4
Donaghadee	1024.3	0	SSE	1	b/f	54	92	7	-	-	0	-	0	0
Birr Castle	1023.4	*	S	1	c-	62	85	8	4000	StCu	8	-	8	*
Collinstown	1025.2	0	SE'E	2	bc+	59	85	6	2500	StCu	4	Ci St	6	*
Holyhead	1025.6	0	NNE	1	b	58	92	6	-	-	0	-	0	0
Liverpool (Bidston)	1024.6	0	E'N	3	fb+	60	75	3	-	-	0	A St	3	3
Chester (Shotwick)	1023.7	0	ENE	3	b+	60	85	4	4000	St	3	-	3	*
Spurn Head	1026.1	+1	N	4	FFo	56	97	1	225	St	10	-	10	4
Nottingham	1024.7	*	NNE	1	bc-	58	92	7	1500	StCu	5	Ci	6	*
Cranwell	1025.0	0	N'E	4	0	58	92	8	1500	StCu	9	-	9	*
Gorleston	1022.9	0	N'E	4	rd	59	97	6	4000	Nb	10	-	10	0
Valencia (Cahirciveen)	1022.8	0	S'E	3	0	61	85	8	1500	St	7	A St	10	1
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1024.6	-1	WNW	1	b	59	85	6	-	-	0	-	0	2
Ross-on-Wye	1024.2	0	-	0	ffb	60	85	4	800	St	2	Ci	3	*
Benson	1024.5	0	N	2	o/m	58	85	6	*	St	10	-	10	*
Andover	1024.2	0	E NE	3	0	58	85	6	1500	St	10	-	10	*
S. Farnborough	1024.1	0	N	2	0	58	85	8	1500	St	10	-	10	*
London (Kew Obsy.)	1024.0	0	NNW	2	0	59	85	6	4000	StCu	9	-	9	*
Croydon	1023.7	0	N	1	o/r	58	85	5	800	St	10	-	10	*
Clacton-on-Sea	1022.9	0	NNW	3	0	60	92	7	2500	St	10	-	10	0
Shoeburyness	1023.2	0	N'W	2	o/r	60	85	7	4000	StCu	10	-	10	*
Grain	1023.3	0	N	3	0	60	85	7	1500	StCu	10	-	10	0
Lympne	1023.1	0	N'W	3	od	58	97	6	1150	Nb	10	-	10	*
Scilly (St. Mary's)	1023.7	0	SE'E	1	bc	59	92	7	4000	St	2	Ci Cu	2	2
Falmouth (Pendennis)	1024.3	0	-	0	mbc-	61	85	6	1500	St	6	-	6	0
Plymouth (Cattewater)	1023.6	0	-	0	b	61	75	7	-	-	0	-	0	0
Portland Bill	1023.0	0	WNW	2	c	60	75	6	1500	StCu	7	-	7	0
Southampton (Calshot)	1024.1	0	NE	3	0	61	85	7	5400	StCu	10	-	10	0
Dungeness	1022.1	0	NNE	3	0	60	85	6	1500	St	10	-	10	3
Jersey	1023.7	0	N	3	b	63	75	8	-	-	0	A Cu	2	2

London Observations	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. Day.	Rainfall. 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	omnom	om	o/oom	*	*	56	-	-	0.1	*	*
Croydon (24 hours ended 0700)	bcmd	omd	omdm	*	*	55	tratra		0.0	*	*
Greenwich (Royal Obsy.)	0	0	om	60	56	55	-	-	0.0	82	83
City (Bunhill Row)	*	*	*	*	*	*	*	-	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	60	57	*	-	-	0.0	76	80
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	*	*	*
Camden Square	0	0	*	66	56	55	-	-	*	*	85
Kensington Palace	0	0	*	60	57	55	-		*	86	87
Hampstead Observatory	*	*	*	*	*	*			0.0	-	

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T.

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.
1.2	2100 3rd	0.3	1200 4th
1.0	0700 4th		

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..... joules

Average Rate ..... Milliwatts.

Maximum Rate ..... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 4h 19m 30s to 5h 4h 30m

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	9.0	0.0	-
δ Ursae Minoris	9.0	0.0	-

Radio Disturbances (Atmospherics) at Croydon.[1]

Time	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C_1C_2	7	-	95
18h.	C_1C_2	4	-	115
01h.	C_1C_2	7	-	95
07h.	C_1C_2	8	-	100

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

5th & 6th Sept. 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.11 / 5.12	11.52 / 11.51	6.32 / 6.30
Greenwich	5.20 / 5.21	11.59 / 11.58	6.37 / 6.35
Wick	5.21 / 5.23	12.11 / 12.10	7.0 / 6.57
Valencia	6.0 / 6.1	12.40 / 12.39	7.19 / 7.17

Beaufort Notation of Weather.

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

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

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

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

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

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 5.

M.O. Form 2370.

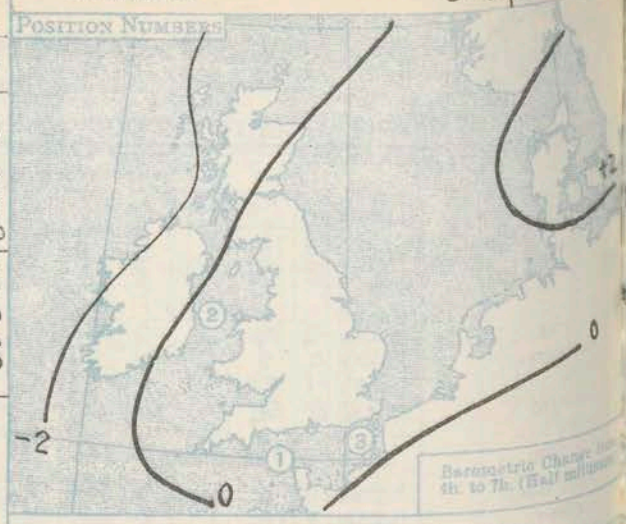
SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 4h	13h.-18h. 4h	18h. 4h to 1h. 5.	1h.-7h. 5h	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	off	r-d	F	54	51	•	-	0.4	-	2400	•
Stornoway	oo	do	c	oo	58	54	•	1	-	-	-	0.0
Wick	oo	oo	oo	oo	55	52	•	-	-	-	-	•
Castlebay	opm	opm. om	om	omdf	56	55	•	trace	trace	-	-	0.0
Nairn	m	b.bc.em	cgm	bcm	62	52	•	-	-	-	-	4.6
Aberdeen	oo	bc.c	com	omffe	57	51	51	-	-	-	-	2.0
Malin Head	cz	c	c	c	62	55	•	?	-	-	-	0.1
Renfrew	obcmb	b.bcy.b	bcmw	omffe	65	44	39	-	-	-	-	3.1
Edinburgh (Inchkeith)	c	c	c	F	59	51	47	-	0.1	-	0530	6.0
Leuchars	c	b.bc	F		60	52	*	-	0.1	-	-	5.5
Eskdalemuir	obbc	c.bcy.b	bbife	ome	68	42	41	-	-	-	-	7.3
Tynemouth	oid.m	c	FF	Feom	56	52	52	trace	0.4	<08.00	0430	•
Blacksod Point	oo	c	oo	r-d	63	54	•	-	0.3	-	0530	•
Donaghadee	off	off.bc	bbff	bcff	57	50	•	•	trace	•	-	•
Birr Castle	or.de	c.o	co	co	64	51	46	trace	-	<08.00	-	*
Collinstown	bbc	b.bc	c	f-m	65	43	*	-	-	-	-	10.9
Holyhead	bm	bm	bmw	bmw	65	51	47	-	-	-	-	10.9
Liverpool (Bidston)	bcbm	f.m	f-m		63	54	48	-	-	-	-	5.2
Chester (Shotwick)	bbc	bbcy	bcbmw	off	69	47	40	-	-	-	-	•
Spurn Head	oo	F	F	f-m	59	54	•	trace	0.1	<08.00	<2100	0.0
Nottingham	oo	oo	co	oo	60	55	52	-	-	-	-	0.0
Cranwell	oo	o.c.o	ofd.d	odm	61	54	53	•	0.1	•	2200	0.2
Gorleston	od	omd	oo	ocq	60	56	54	0.2	trace	< 08.00	<2100	0.0
Valencia (Cahirciveen)	oco	oo	o	o	64	56	55	-	-	-	-	0.1
Roches Point							•					•
Pembroke (St. Ann's H.)	f-m	by	bbc	oeff	63	53	•	-	-	-	-	9.7
Ross-on-Wye	Fofom	cf.bf.cm	bmwcom	ffe	65	55	50	-	-	-	-	2.5
Benson	plo	o	o	o	60	56	54	-	-	-	-	•
Andover	ofomc	c.o	oo		66	56	54	•	-	-	-	4.3
S. Farnborough	om	om	om	ofom	60	55	54	•	0.4	•	0230	0.0
London (Kew Obsy.)	omwom	om	oo.r.	om	59	57	56	-	-	-	-	0.1
Croydon	bcmd.	omd.	omd.m	om	58	56	55	trace	trace	11.00	2400	0.0
Clacton-on-Sea	og	m.og	og	ogbcf	61	57	55	-	-	•	-	0.0
Shoeburyness	oo	or.o	o	ocbc	60	57	55	trace	-	16.30	-	0.0
Grain	oo	oo	oo	obcc	60	58	57	-	-	-	-	0.0
Lympne	ommd.	d.m	odd.r.m	ocm	59	57	56	0.1	1	09.00	<2100	0.0
Scilly (St. Mary's)	od.	bc	bc b	ifw	63	52	•	0.6	trace	09.00	-	7.6
Falmouth (Pendennis)	bz	bef	cf	omf	63	53	•	-	-	-	-	11.2
Plymouth (Cattewater)	bbc	b.bc	o	bbc	63	53	45	-	-	•	-	9.5
Portland Bill	c	c	oo	oo	64	54	•	-	-	•	-	•
Southampton (Calshot)	f-m	f.m	oo	oo	64	58	?	-	-	•	-	2.8
Dungeness	c	c	c	c	62	58	•	trace	-	16.30	-	•
Jersey 7h / Guernsey 1h	cb	b	bw	bwo	67	58	•	-	-	-	-	9.3

ISALLOBARS.

5th September

POSITION NUMBERS



Barometric Change in 24h. to 7h. (Half millibars)

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	4th 1005	Cambria	SE	1	b	57	56
1	4th 1200	Reindeer	NE	2	b	62	60
3	5th 0200	Dieppe	SW	2	b	60	60

GENERAL INFERENCE.

The Icelandic depression is passing away northwards. Fresh Southerly winds and showery weather will continue for a time on our northwestern seaboard but elsewhere winds will be very light and the weather cloudy to fair with local mist.

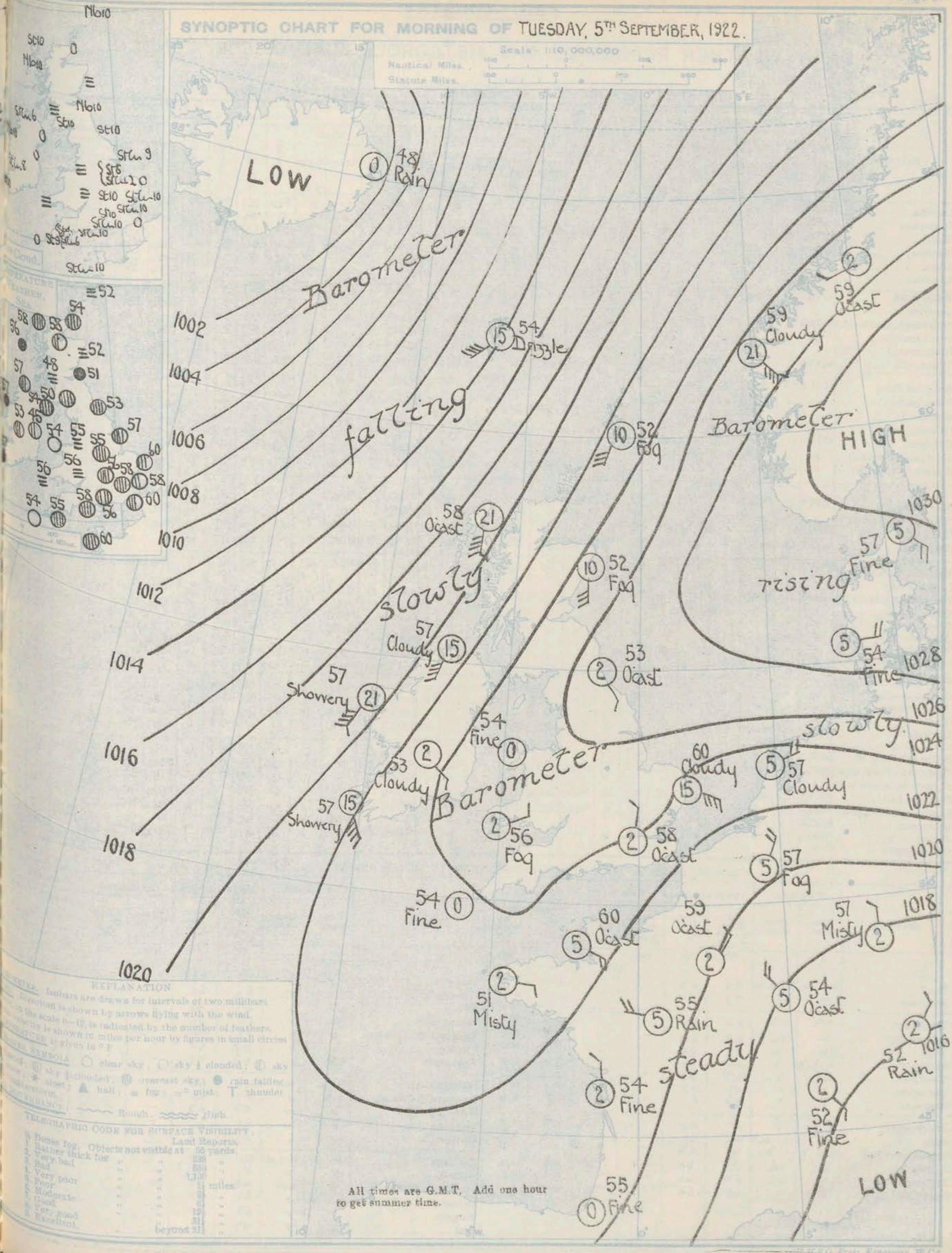
Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 5th September, 1922.

Districts.	Forecasts	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light Easterly breezes; cloudy to fair; mist at night; moderate temperature.	Winds will be light for the next day or two and the weather mainly fair, but cloudy at times with local fog.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light breezes, mainly from between South and East; generally cloudy but fair at times; mist at night; moderate temperature.	
14. N.&N.W. Scotland 15. Hebrides	Fresh Southerly winds, moderating; cloudy, some showers, improving later; visibility moderate; cool.	
16. Orkneys and Shetlands	As for 7 - 13.	
17. N.W. Ireland	As for 14 - 15.	
18. N.E. Ireland		
19. S.E. Ireland	As for 7 - 13.	
20. S.W. Ireland		

SNN

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.30.G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF TUESDAY, 5TH SEPTEMBER, 1922.
Scale 1:10,000,000
Nautical Miles
Statute Miles
LOW
Barometer
falling
slowly
rising
steady
HIGH
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1016
1018
1020
1022
1024
1026
1028
1030
48 Rain
54 Drizzle
59 Cloudy
59 Ocast
52 Fog
58 Ocast
52 Fog
57 Cloudy
57 Showery
53 Ocast
57 Fine
54 Fine
54 Fine
53 Cloudy
56 Fog
60 Cloudy
57 Cloudy
58 Ocast
57 Fog
57 Showery
54 Fine
60 Ocast
59 Ocast
57 Misty
51 Misty
55 Rain
54 Ocast
52 Rain
54 Fine
52 Fine
55 Fine
All times are G.M.T. Add one hour to get summer time.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. TUESDAY, 5th SEPTEMBER 1922. No. 248

Observations at 0100 G.M.T. 5

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1023.8	0	SSW	1	fo+	52	97	2	450	Nb	10	-	10	•
Stornoway	1013.3	0	SW	4	0	•	•	5	•	•	•	•	•	•
Wick	1022.6	0	S	2	0	53	92	8	5700	StCu	5	ACu	9	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1022.0	0	SW	2	c-	57	92	9	5700	StCu	6	ACu	8	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1025.2	0	NNE	1	mb+	53	97	6	-	-	0	ACu	1	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1027.2	0	-	0	FFo	53	97	1	2500	St	10	-	10	•
Blacksod Point ...	1021.1	-3	SW	5	o+	57	97	7	-	-	0	A.St	10	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1025.3	-1	SSE	1	b	53	97	7	-	-	0	Ci.St	3	•
Holyhead	1024.3	0	E'N	1	b	55	97	5	-	-	0	-	0	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1025.3	0	NE'E	3	o	54	97	7	4000	StCu	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1026.1	+1	NNE	3	odd	55	97	3	1500	Nb	10	-	10	•
Gorleston	1023.5	0	N'E	2	o	56	92	7	2500	St	10	-	10	•
Valencia (Cahirciveen)	1022.8	-4	-	0	bc-	53	97	8	-	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1024.9	0	NNE	2	b	54	95	7	-	-	0	-	0	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	58	•	•	•	•	•	•	•	•
Croydon	1023.7	0	N'E	2	o/r	59	92	5	800	St	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1022.8	-1	NNE	3	o/r	55	97	8	800	St	9	A.St	10	•
Scilly (St. Mary's) ...	1023.0	0	-	0	b	54	97	7	-	-	0	-	0	•
Falmouth (Pendennis)	1025.1	0	NNE	2	o+	56	95	7	4000	Cu	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1023.0	0	NE	2	o+	58	75	6	1500	StCu	10	-	10	•
Southampton (Calshot)	1023.6	-1	N	1	0	59	85	8	4000	StCu	10	-	10	•
Dungeness	1022.4	-1	NE	2	c	59	92	7	-	-	0	CiCu	8	•
Jersey 7h }	1024.0	+1	N	3	o+	58	92	6	-	-	0	A.St	10	•
Guernsey 1h }														

Observations at 0700 G.M.T. 5

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1023.0	-1	SSW	3	Fo+	52	97	0	450	Nb	10	-	10	2
Stornoway	1018.4	-2	S	5	0	58	75	5	800	St	10	-	10	4
Wick	1021.2	-1	S	3	0	54	92	7	-	-	0	Ci	9	0
Castlebay	1019.6	-1	SE	3	odd	56	92	5	800	Nb	10	-	10	4
Nairn	1021.3	•	-	0	bc	58	75	7	4000	Cu	3	ACu	5	•
Aberdeen	1025.1	0	S	3	ffo	52	97	2	<150	St	10	-	10	0
Malin Head	1020.4	-1	SW	4	c+	57	92	8	5700	StCu	6	ACu	8	1
Renfrew	1024.9	0	-	0	FFo	48	97	0	<150	St	10	-	10	•
Edinburgh (Inchkeith)	1024.5	-1	N	1	odd	51	97	1	-	Nb	10	-	10	•
Leuchars	1024.7	0	-	0	ffo	52	97	2	<150	St	10	-	10	•
Eskdalemuir	1025.4	0	-	0	mo	50	97	5	<150	St	10	-	10	0
Tynemouth	1026.3	0	SE	1	mo	53	97	4	2500	St	10	-	10	6
Blacksod Point ...	1019.5	0	SW	5	opb	57	97	7	-	Nb	10	-	10	0
Donaghadee	1023.3	-2	S	1	mmo	54	97	5	-	-	0	A.St	10	•
Birr Castle	1022.9	•	SE	1	c	53	97	7	4000	StCu	8	-	8	•
Collinstown	1024.8	-1	N	1	mbc	45	97	5	-	-	0	A.St	6	•
Holyhead	1024.1	0	-	0	b-	54	97	4	-	-	0	-	0	0
Liverpool (Bidston) ...	1025.0	0	ESE	1	fo	55	97	2	450	St	10	-	10	2
Chester (Shotwick) ...	1024.0	0	SSE	1	ffo	53	97	3	1500	St	10	-	10	•
Spurn Head	1025.4	0	NNE	3	0	57	97	6	4000	StCu	9	-	9	3
Nottingham	1025.0	•	E	1	o-	55	92	6	1500	StCu	7	ACu	9	•
Cranwell	1025.0	0	NNW	3	0	54	97	6	1500	St	10	-	10	•
Gorleston	1023.5	0	E'N	4	c-	60	75	8	-	-	0	ACu	7	1
Valencia (Cahirciveen)	1022.2	+1	SSE	4	ojp	57	92	7	800	St	10	-	10	3
Roches Point	1024.6	0	ENE	1	ffo	56	92	3	450	St	10	-	10	2
Pembroke (St. Ann's H.)	1024.7	-1	N	1	ffo	56	97	3	225	St	10	-	10	•
Ross-on-Wye	1024.0	+1	NNE	3	0	56	92	6	-	St	10	-	9	•
Benson	1023.8	0	ENE	3	o-	57	92	7	5700	StCu	9	-	10	•
Andover	1023.7	0	-	0	mo	56	97	6	800	St	10	-	10	•
S. Farnborough ...	1024.1	0	NNE	1	0	58	85	6	4000	StCu	10	-	10	•
London (Kew Obsy.) ...	1023.2	-1	NNW	1	mo+	57	92	4	800	St	10	-	10	•
Croydon	1022.6	0	NNW	3		58	92	6		Cu	3	A.St	6	0
Clacton-on-Sea ...	1023.0	-1	NNE	3	bc	60	85	6	2500	StCu	4	ACu	7	•
Shoeburyness	1023.0	0	NNE	4	c+	59	85	7	4000	St	7	-	8	•
Grain	1022.7	0	N'E	3	c	59	97	6	450	St	7	A.Cu		
Lympne														
Scilly (St. Mary's) ...	1023.6	0	-	0	imb	54	97	6	-	-	0	-	0	2
Falmouth (Pendennis)	1024.5	0	-	0	o-	55	92	6	2500	St	9	-	9	0
Plymouth (Cattewater)	1023.8	+1	-	0	o-	55	92	5	<150	StCu	10	-	10	0
Portland Bill	1022.6	-1	-	0	0	58	75	6	1500	StCu	10	-	10	0
Southampton (Calshot)	1023.5	0	N	2	0	59	92	6	4000	StCu	10	-	10	0
Dungeness	1021.9	-1	NE	2	c	60	92	7	-	-	0	CiCu	8	2
Jersey 7h }	1022.4	0	ESE	2	0	60	85	7	2500	StCu	10	-	10	2
Guernsey 1h }														

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 3-4th °F.	Temperature. Max. Day. 4th °F.	Rainfall.† Night 17h.-9h. 3-4th mm.	Rainfall.† Day 9h.-17h. 4th mm.	Sunshine. Sunrise to 17h. 4th hr.	Sunshine. Sunrise to Sunset. 3rd hr.
Banff	o.c.bc	b.bc.c	48	63	-	-	5.0	2.3
Montrose	-	-	39	57	-	-	4.9	0.6
Llandudno	mb	mb	44	65	-	-	9.3	0.0
Colwyn Bay ...	bc	bc	48	64	-	-	9.6	1.1
Rhyl	bc	bc	49	64	-	-	8.0	0.3
Southport	c.bc.b	b	46	66	-	-	9.4	1.6
Blackpool	bc	b	47	67	-	-	10.5	4.7
Harrogate	o	o	49	57	-	-	0.0	0.1
Skegness	o	o	50	61	-	-	0.5	5.6
Aberystwyth ...	c.bc	b	47	64	-	-	10.5	0.0
Bath	mb.bc.c	mc.bc.b	46	67	-	-	3.2	3.9
Leamington Spa ...	o.c.b	c.b	49	63	-	-	2.4	3.2
Lowestoft	o	od	51	60	1	-	0.0	10.6
Felixstowe	o	o2	52	62	-	-	0.0	9.5
Southend	o	o	53	60	-	-	0.0	7.5

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 3-4th °F.	Temperature. Max. Day. 4th °F.	Rainfall.† Night 17h.-9h. 3-4 mm.	Rainfall.† Day 9h.-17h. 4th mm.	Sunshine. Sunrise to 17h. 4 hr.	Sunshine. Sunrise to Sunset. 3rd hr.
Paignton	wbcm	b	49	66	-	-	9.0	1.6
Ilfracombe	bz	bz	52	66	-	-	10.6	0.0
Bude	wb	b	47	66	3	-	10.7	0.0
Penzance	bc	b	55	64	1	-	8.3	0.1
Falmouth Observatory	b	b	55	64	-	-	10.8	1.7
Torquay	b	b	49	68	-	-	10.0	4.4
Weymouth	b	bc.c	50	71	-	-	5.8	3.8
Bournemouth ...	b.bc	bc	45	66	-	-	6.6	7.3
Portsmouth (S'thsea)	c.b	o	49	65	-	-	2.2	10.6
Worthing	bc	o	50	63	-	-	1.4	10.4
Brighton	c.	o	51	63	-	-	1.4	10.3
Eastbourne	c.	o	53	63	-	-	1.4	8.7
Hastings	cm.o	o.c.o	54	63	-	-	0.5	10.1
Folkestone	o	o	51	65	-	-	0.0	7.1
Tunbridge Wells ...	o	om	45	60	-	-	0.2	11.0
Ramsgate	o.c.bc	o	53	60	-	-	0.1	9.9
Margate	o	o	55	61	-	-	0.0	10.0
Deal	o	o	48	62	-	-	0.1	

* 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 22,203 WEDNESDAY, 6TH SEPTEMBER 1922.

Observations at 1300 G.M.T. 5th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1021·3	-2	SSW	4	fo-	53	97	3	800	St	10	-	10	*
Stornoway	1017·9	-2	S	5	0	58	85	5	800	St	10	-	10	*
Wick	1020·2	-1	SSE	5	0	57	85	8	-	-	0	ACu	9	*
Castlebay	1019·6	0	SE	4	odfo	55	97	5	450	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1024·5	-1	SW	3	mo-	55	92	4	450	St	10	-	10	*
Malin Head	1020·1	-2	SSW	4	C	60	92	7	800	St	3	ACu	4	*
Renfrew	1023·4	-2	SSW	3	o/f	65	95	6	2500	St	8	CiSt	10	*
Edinburgh (Inchkeith)	1023·9	-2	N	1	mmo	56	92	6	-	StCu	10	*	10	*
Leuchars	1024·2	-1	ENE	1	o	58	85	4	2500	StCu	10	-	10	*
Eskdalemuir	1024·4	-1	SSW	3	c	62	95	8	4000	StCu	8	*	8	*
Tynemouth	1026·0	0	SE	2	o	58	85	4	-	-	0	*	0	*
Blacksod Point	1021·4	+4	WNW	3	o/r	58	92	7	-	-	0	ASt	10	*
Donaghadee	1022·8	0	S	1	o/f	65	65	7	-	-	0	ACu	2	*
Birr Castle	1023·1	*	S	1	o+	63	85	6	4000	Cu	9	*	9	*
Collinstown	1024·5	0	ESE	1	bc+	65	85	6	4000	StCu	4	ASt	6	*
Holyhead	1024·5	0	S	2	bc-	64	95	4	-	-	0	ACu	4	*
Liverpool (Bidston)	1024·7	-1	SE'S	1	bc-	63	95	5	2500	StCu	4	-	4	*
Chester (Shotwick)	1023·6	-1	SE	2	bc	70	55	8	4000	StCu	4	-	4	*
Spurn Head	1025·0	0	NE	4	b	65	95	7	4000	Cu	1	-	1	*
Nottingham	1024·4	*	-	0	c-	64	95	7	1500	Cu	7	-	7	*
Cranwell	1024·6	0	E'N	3	c	67	65	8	2500	Cu	7	-	7	*
Gorleston	1024·0	0	NE	3	c	65	95	4	4000	CuNb	3	ACu	7	*
Valencia (Cahirciveen)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Roches Point	1024·2	0	S	1	0	60	92	6	800	St	10	-	10	*
Pembroke (St. Ann's H.)	1025·3	0	SSE	2	ffo	61	85	3	450	St	10	*	10	*
Ross-on-Wye	1024·3	-1	ENE	1	o	65	65	7	4000	StCu	9	-	9	*
Benson	1024·0	0	NE	2	o	64	95	7	-	StCu	10	-	10	*
Andover	1024·2	0	NE	2	o	64	95	7	4000	StCu	10	-	10	*
S. Farnborough	1024·8	0	N	2	c-	65	65	6	4000	Cu	7	-	7	*
London (Kew Obsy.)	1023·9	-1	NE	2	c	66	65	7	4000	Cu	8	*	8	*
Croydon	1023·6	-1	NE'E	2	c	63	95	6	1500	StCu	8	*	8	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1023·8	+1	NNE	3	bc	67	65	8	4000	Cu	4	-	4	*
Grain	1023·8	0	ENE	4	bc-	64	95	8	2500	StCu	4	*	4	*
Lympne	1023·2	0	NNE	4	c	65	85	8	2500	StCu	8	*	8	*
Scilly (St. Mary's)	1023·9	+1	-	0	bc	63	95	6	4000	StCu	2	ACu	5	*
Falmouth (Pendennis)	1025·5	+1	-	0	o	62	85	6	2500	St	10	-	10	*
Plymouth (Cattewater)	1024·3	0	WSW	3	c-	63	95	4	1500	Cu	8	-	8	*
Portland Bill	1023·6	+2	S	2	bc-	63	85	4	-	-	0	CiCu	4	*
Southampton (Calshot)	1023·8	-1	-	0	o+	68	65	4	2500	StCu	10	-	10	*
Dungeness	1025·0	+1	ENE	3	b-	66	95	4	-	-	0	CiCu	3	*
Jersey 7h / Guernsey 1h	1023·0	0	N	3	c	66	95	8	4000	StCu	8	-	8	*

Observations at 1800 G.M.T. 5

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1020·1	-1	SSW	4	0	52	91	5	1500	St	10	-	10	3
Stornoway	1019·0	+1	SE	3	c-	56	85	5	800	St	8	-	8	2
Wick	1019·4	-2	S	5	0	59	85	7	800	St	10	-	10	4
Castlebay	1020·8	+1	WSW	4	bc/r	56	85	7	1500	St	6	-	6	3
Nairn	1020·7	*	-	0	ct	64	65	7	1500	St	8	-	8	*
Aberdeen	1023·6	-1	SW	3	ct	56	92	6	450	St	7	-	7	0
Malin Head	1022·4	+3	W'N	4	bc-	55	97	7	800	Nb	6	-	6	2
Renfrew	1022·9	0	WSW	2	o+	63	95	5	4000	St	10	-	10	*
Edinburgh (Inchkeith)	1022·6	-2	SSW	1	o/f	62	95	4	-	-	0	ASt	9	1
Leuchars	1023·1	-1	E	1	o	59	92	4	4000	St	6	ACu	10	*
Eskdalemuir	1024·1	0	SW'S	2	o	57	85	6	4000	St	10	-	10	*
Tynemouth	1025·0	-1	-	0	b	57	92	6	-	-	0	-	0	0
Blacksod Point	1024·1	+3	NW	2	b-	58	85	9	-	Cu	1	-	1	0
Donaghadee	1023·3	+1	W	1	o/f	61	85	6	-	-	0	ASt	10	0
Birr Castle	1023·7	*	S	1	odfo	60	97	6	450	St	10	-	10	*
Collinstown	1024·9	+3	W'S	3	o+	62	92	6	2500	St	7	ASt	10	*
Holyhead	1024·0	0	S	3	o+	59	92	5	1500	StCu	10	-	10	1
Liverpool (Bidston)	1024·2	0	SE	1	ct	63	95	6	1500	CuNb	7	-	7	2
Chester (Shotwick)	1023·6	+1	ESE	1	o+	64	95	4	2500	St	5	ACu	9	*
Spurn Head	1025·0	0	NE	2	b	58	92	7	1500	St	1	-	1	3
Nottingham	1024·2	*	N	1	o	63	85	4	2500	StCu	9	-	9	*
Cranwell	1024·7	0	E'N	3	bc-	62	85	8	4000	StCu	5	-	5	*
Gorleston	1024·3	0	NE	1	b-	60	85	7	-	-	0	ACu	1	0
Valencia (Cahirciveen)	1025·0	+2	NNW	3	c-	58	92	7	1500	StCu	8	-	8	3
Roches Point	1024·4	0	S	1	o	59	97	6	800	St	10	-	10	0
Pembroke (St. Ann's H.)	1025·2	0	-	0	mo-	59	92	6	800	St	10	-	10	2
Ross-on-Wye	1024·1	+1	E	1	o	62	95	8	4000	StCu	10	-	10	*
Benson	1024·5	0	NNE	1	o	62	95	8	-	StCu	9	-	9	*
Andover	1024·2	0	-	0	c-	62	95	7	4000	StCu	8	-	8	*
S. Farnborough	1024·9	+1	-	0	c	63	95	7	7200	StCu	7	-	7	*
London (Kew Obsy.)	1023·9	0	-	0	o/r	64	95	6	2500	StCu	10	-	10	*
Croydon	1024·1	+1	E'S	2	o	61	85	6	1500	CuNb	10	-	10	*
Clacton-on-Sea	1023·6	0	ENE	3	bc-	62	85	6	7200	StCu	6	-	6	0
Shoeburyness	1023·9	0	E'N	2	bc+	60	85	7	4000	Cu	4	-	4	*
Grain	1023·9	0	ENE	3	b-	61	85	8	4000	StCu	3	-	3	0
Lympne	1024·0	+1	NNE	3	b-	60	85	8	2500	Cu	1	ACu	2	*
Scilly (St. Mary's)	1024·6	+1	-	0	b	61	85	6	4000	StCu	1	CiCu	2	1
Falmouth (Pendennis)	1025·4	0	-	0	o	59	92	6	2500	St	10	-	10	0
Plymouth (Cattewater)	1024·7	+1	SSW	1	o	59	92	6	4000	StCu	10	-	10	0
Portland Bill	1023·6	0	WSW	2	o+	63	85	7	-	-	0	ASt	10	1
Southampton (Calshot)	1023·9	0	N'E	1	mb+	65	95	7	-	-	0	-	0	0
Dungeness	1023·2	+1	ENE	4	b-	62	85	7	-	-	0	CiCu	2	4
Jersey 7h / Guernsey 1h	1023·5	0	N	3	b	62	85	8	-	-	0	-	0	2

London Observations

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 hours ended 0900 G.M.T. 6th								Yesterday.	To-day.	
Kew	omc	oumdo	bfrfof	*	*	46	-	-	2.4	*	*
Croydon (24 hours ended 0700)	ocmz	comz	bomofc	*	*	44	-	-	1.1	*	*
Greenwich (Royal Obsy.)	od	cotp	mbc.o	69	52	45	-	-	0.7	70	73
City (Bunhill Row)	*	*	*	*	*	*	*	*	2.0	*	*
Westminster (St. James' Pk.)	*	*	*	69	56	*	-	-	1.9	65	68
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	2.3	*	*
Camden Square	o	bcbc	*	74	55	52	-	-	*	*	68
Kensington Palace	bcc	o	*	68	55	51	-	-	*	59	77
Hampstead Observatory	*	*	*	67	55	45	-	-	4.5	*	78

Atmospheric Pollution

Milligrams of Solid Impurity per cubic metre.

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

South Kensington

Max.	Time.	Min.	Time.
0.6	4h 20m	<0.3	5h 1-5m
1.0	5h 10m		

Kew Observatory

Max.	Time.	Min.	Time.
0.4	4h 17m	0.3	5h 1m
0.6	5h 6m		

Solar Radiation

Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..... joules

Average Rate ..... Milliwatts.

Maximum Rate ..... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 5h 19m ..... h 30m. to 6h 4m ..... h 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	9 0	3.36	40
δ Ursae Minoris	9 0	3.12	36

Radio Disturbances (Atmospherics) at Croydon.‡

Time.	Type.	No. per 4 sec.	Stren.	Direc.
18h.	C	7	-	10
18h.	C_1C_2	8	6	135
01h.	C_1C_2	8	-	65
07h.	C	7	1	170

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

6th to 7th Sept., 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.12 / 5.14	11.51 / 11.51	6.30 / 6.28
Greenwich	5.21 / 5.23	11.58 / 11.53	6.35 / 6.33
Wick	5.23 / 5.26	12.10 / 12.10	6.51 / 6.54
Valencia	6.1 / 6.3	12.39 / 12.39	7.17 / 7.15

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.
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.

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 3.

M.O. Form 2370.

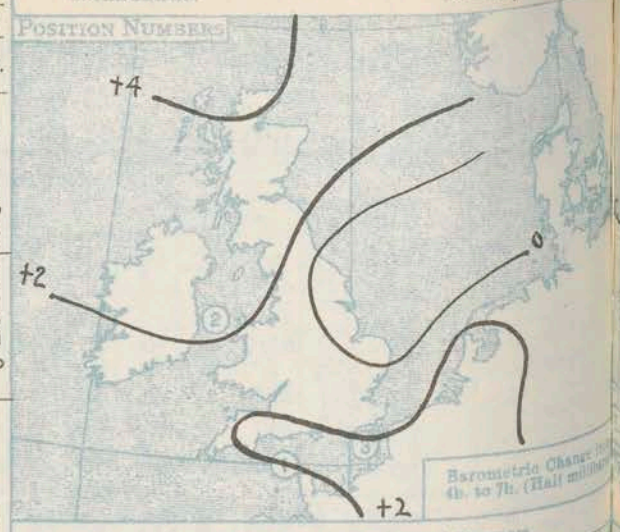
SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h. 5*	13h.–18h. 5*	18h. 5* to 1h. 6*	1h.–7h. 6*	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	ff	oo	F	bbc	53	50	•	-	2	-	2400	•
Stornoway	oo	oo	c	c	58	47	•	0.6	-	-	-	0.2
Wick	oo	oo	omo	oo	61	43	•	-	-	-	-	•
Castlebay	odf	odfc	cbc	bc	56	50	•	2	-	-	-	0.9
Nairn	cbcmc		cmbcb	b	69	46	•	-	-	-	-	6.3
Aberdeen	ffcom	ombom	cm	rbc	59	51	50	-	2	-	0230	2.3
Malin Head	cz	cimb	bbc	b.bc	63	50	•	1	-	1630	-	0.7
Renfrew	offmz	ocoz	omr	cbcbw	67	42	32	trace	0.4	-	2200	1.4
Edinburgh (Inchkeith)	f-m	f-m	oo	bbc	63	50	47	0.1	-	1730	-	1.9
Leuchars	f-m	c		c	66	50	•	-	-	-	-	2.7
Eskdalemuir	omcoc	bcco	oom	omc	64	49	44	-	trace	-	<2100	3.6
Tynemouth	ocm	bcm	bmo	mff	59	54	51	-	-	-	-	•
Blacksod Point ...	r-d	b.bc	b.bc	bbc	63	43	•	1	-	-	-	•
Donaghadee	bcf	cm	of	bc	66	49	•	-	2	-	<2100	•
Birr Castle	coz	coir			64			1		1630		•
Collinstown	b.bc	oo	orr	oo	70	49	•	-	2	-	2200	7.1
Holyhead	b.bz	bbcoz	oco	cor.Dm	65	54	54	-	2	-	0430	4.3
Liverpool (Bidston) ...	obcm	bc		f-m	66	55	48	-	-	-	-	6.6
Chester (Shotwick) ...	offbc	bcco	om	offe	71	53	~~47~~ 48	-	-	-	-	•
Spurn Head	b-bc	b-bc	c	F	65	55	•	-	-	-	-	5.5
Nottingham	oo	c	cm	f-mw	68	54	52	-	-	-	-	1.7
Cranwell	r.oc	bccoc	om	OFF	67	54	51	0.2	-	<0800	-	6.5
Gorleston	c	b	bccw	bcbwf	66	56	45	-	-	-	-	9.8
Valencia (Cahirciveen)		odmrc	bwbc	cbc	62	50	44	1	—	<0800	—	0.1
Roches Point	o	ob.oim	oc	dacmrr.	62	51	•	0.2	1	1630	?	•
Pembroke (St. Ann's H.)	f-m	offez	f-m	of	62	55	•	-	-	-	-	0.2
Ross-on-Wye	foco	oco	ocom	ffe	67	50	46	-	-	-	-	2.4
Benson...	o	o	cbc	ofe	65	47	42	-	-	-	-	•
Andover	oco	oc	ofcmw		65	47	40	-	-	-	-	2.8
S. Farnborough ...	omcm	comm	cmom	om	67	51	46	-	-	-	-	2.5
London (Kew Obsy.) ...	omc	oumdoo	ofwbf	bcfwfw	68	53	46	-	-	-	-	2.4
Croydon	ocmz	comz	bcm	bdwfe	65	50	44	-	-	-	-	1.1
Clacton-on-Sea ...	bcobc		bcbw	bwcm	63	55	51	-	-	-	-	1.8
Shoeburyness	c	bb	b	bbmw	69	52	43	-	-	-	-	4.3
Grain	c	bcbc	b	bbcco	65	52	45	-	-	-	-	8.4
Lympne	cnproc c	c	bbcco	cowmf	61	55	50	0.2	trace	0900	-	6.9
Scilly (St. Mary's) ...	bbcm	cbcm	bm	bccm	65	53	•	-	-	-	-	6.6
Falmouth (Pendennis)	om	om	b	cof	63	53	•	-	-	-	-	0.6
Plymouth (Cattewater)	oo	oo		ocm	65	56	•	-	-	-	-	0.5
Portland Bill	b-bc	oo	c	bbc	64	54	•	-	-	-	-	•
Southampton (Calshot)	c	c	oo	f.m	71	55	52	-	-	-	-	6.2
Dungeness	b-bc	b-bc	c	c	65	53	•	-	-	-	-	•
Jersey 7h } ...	ocbc	cb	b	bco	67	58	•	-	-	-	-	6.0
Guernsey 1h }												

ISALLOBARS.

6th September

POSITION NUMBERS



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

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
1	5th 1100	Ibex	NE	3	bc	60	59
3	6th 0300	Brighton	NE	2	0	60	60

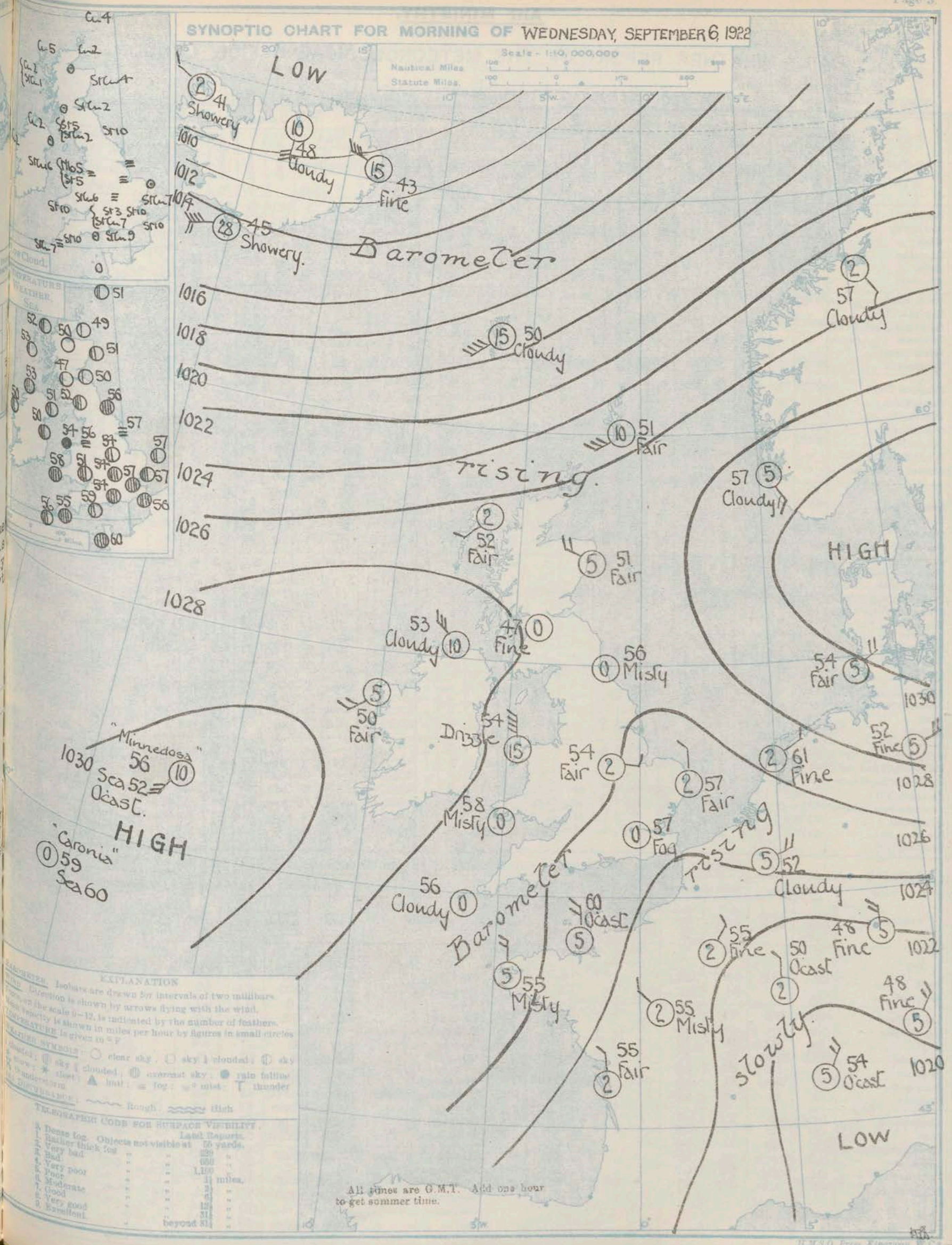
GENERAL INFERENCE.

An extensive anticyclone will maintain fair quiet weather generally with rather high day temperatures in the South. The conditions will probably persist for several days except possibly in the west of Scotland and north of Ireland.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 6th September, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light indefinite breezes; fine; visibility moderate to good during the day, but some mist at night; rather high temperatures inland during the day.	Fair quiet weather for several days except possibly in the north of Ireland and west of Scotland.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light indefinite breezes; mainly fine, but rather cloudy at times; visibility good apart from morning mist; rather warm.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Light breezes, mainly from W and NW; fair; visibility moderate or good; moderate temperature.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 1 - 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 10.00 G.M.T. E.N.N. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF WEDNESDAY, SEPTEMBER 6, 1922
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
Showery
Cloudy
Fine
Showery.
Barometer
rising.
Cloudy
Fair
HIGH
Misty
Drizzle
"Minnedosa"
Sea 52
O'cast.
"Caronia"
Sea 60
Fog
Barometer
rising
slowly
LOW
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030
EXPLANATION
All times are G.M.T. Add one hour to get summer time.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Wednesday 6th September 1922. No. 249

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1021.4	+1	SW	5	o/c	53	97	5	2500	Nb	10	-	10	•
Stornoway	1023.2	+3	WSW	2	C-	•	•	6	•	•	•	•	•	•
Wick	1022.7	+3	NW	1	c/f	54	85	8	5700	StCu	4	Ci	8	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1026.5	+2	W'N	4	b-	53	85	8	4000	Cu	2	-	2	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1023.7	+1	WSW	2	o+	57	85	7	-	Sr	10	-	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1025.3	0	SSW	1	0	55	92	5	4000	StCu	10	-	10	•
Blacksod Point ...	1027.8	+3	W	2	bc+	51	92	7	-	CuNb	5	-	5	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1027.4	+1	W'S	1	o/r	55	97	6	1500	St	10	-	10	•
Holyhead	1025.0	+1	S'W	3	C	57	92	7	2500	StCu	3	ACu	7	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1026.1	+1	E	1	0	57	92	6	5700	StCu	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1026.2	0	E'N	2	0	55	97	6	1500	StCu	9	-	9	•
Gorleston	1024.9	0	N	3	o+	59	92	6	5700	StCu	9	-	9	•
Valencia (Cahirciveen)	1028.2	+2	W'N	2	bc-	55	92	9	-	-	0	ACu	4	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1026.5	+1	NNW	1	mo-	56	92	6	2500	StCu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	1025.0	0	-	0	bc	51	97	6	4000	StCu	4	-	4	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1024.4	0	N'E	3	C	57	97	8	-	-	0	ACu	8	•
Scilly (St. Mary's) ...	1025.8	0	-	0	b	54	92	6	-	-	0	-	0	•
Falmouth (Pendennis)	1027.4	0	N	3	b-	56	92	8	-	-	0	CiCu	3	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1024.5	+1	N	3	0	58	85	7	1500	StCu	9	-	9	•
Southampton (Calshot)	1025.2	0	NW'N	3	0	56	97	7	2500	StCu	10	-	10	•
Dungeness	1024.4	+1	NNE	2	o+	57	92	6	4000	CuNb	9	-	9	•
Jersey 7h)	1024.8	+2	WNW	3	C+	57	97	6	5700	St	2	ACu	8	•
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1024.5	+3	WSW	3	bc/r	51	92	7	4000	Cu	4	-	4	2
Stornoway	1026.1	+4	WSW	1	bc	52	85	6	4000	Cu	5	-	5	0
Wick	1026.4	+4	SW	1	b	49	85	8	4000	Cu	2	-	2	2
Castlebay	1028.0	+2	NW	3	b	53	85	7	1500	Cu	3	-	3	0
Nairn	1027.5	•	-	0	b	50	85	8	-	-	0	-	0	•
Aberdeen	1027.8	+3	WNW	2	bc-	51	85	7	2500	StCu	4	-	4	0
Malin Head	1028.3	+3	NW'N	3	bc+	53	85	8	4000	Cu	2	CiCu	6	2
Renfrew	1028.0	+3	-	0	b	47	97	7	-	-	0	Ci	1	•
Edinburgh (Inchkeith)	1026.6	+3	W	3	mb	50	92	6	-	StCu	2	-	2	2
Leuchars	1026.9	+4	W	2	bc-	51	85	8	4000	StCu	4	-	4	•
Eskdalemuir	1027.1	+2	-	0	c/f	52	92	6	800	St	7	-	7	•
Tynemouth	1026.1	0	-	0	ffo	56	92	3	2500	St	10	-	10	0
Blacksod Point ...	1029.5	+2	SW	2	bc+	50	92	9	-	Cu	2	Ci	4	1
Donaghadee	1027.9	+3	WNW	1	bc-	51	85	8	-	-	0	CiCu	4	0
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1029.6	+2	NW	2	C-	50	97	6	2500	StCu	6	ACu	7	•
Holyhead	1027.3	+3	N	4	ODD	54	97	4	450	Nb	10	-	10	2
Liverpool (Bidston) ...	1026.9	+1	NW'N	1	fo-	56	92	3	450	St	10	-	10	•
Chester (Shotwick) ...	1025.9	+2	-	0	ffo	56	97	2	450	St	10	-	10	•
Spurn Head	1026.1	0	N	1	FFo	57	92	1	450	St	10	-	10	3
Nottingham	1026.2	•	E	2	bc+	54	97	3	-	-	0	ACu	4	•
Cranwell	1027.2	+1	-	0	FFo	55	97	1	2500	St	10	-	10	•
Gorleston	1025.6	0	N	1	bc-	57	92	7	-	-	0	ACu	5	0
Valencia (Cahirciveen)	1029.6	+2	NE xN	1	bc	52	92	8	1500	Cu	5	-	5	0
Roches Point	1028.6	+2	S	1	C	56	92	7	4000	StCu	4	Cist	7	0
Pembroke (St. Ann's H.)	1027.2	+1	-	0	mmo	58	92	6	1500	St	10	-	10	2
Ross-on-Wye	1026.4	+1	-	0	fc-	51	97	3	4000	StCu	6	ACu	10	•
Benson...	1025.8	+1	NNW	1	FFo	54	97	1	-	St	10	-	10	•
Andover	1026.0	0	-	0	c/f	52	97	6	5700	StCu	4	CiSt	7	•
S. Farnborough ...	1025.8	+1	NW	2	mo-	54	97	5	800	StCu	10	-	10	•
London (Kew Obsy.) ...	1026.5	+1	-	0	ffo	57	92	3	800	St	10	-	10	•
Croydon	1025.8	+1	-	0	ffo	55	97	3	4000	StCu	10	-	10	•
Clacton-on-Sea ...	1025.5	0	NNW	2	c+	57	92	5	5700	StCu	7	-	7	0
Shoeburyness	1025.7	0	NNE	1	mb	57	92	6	-	-	0	Ci	2	•
Grain	1025.6	+1	NNE	3	o	58	92	6	800	St	10	-	10	0
Lympne	1025.5	+3	N'E	3	off	58	97	4	225	St	10	-	10	•
Scilly (St. Mary's) ...	?	0	-	0	C	56	97	6	4000	StCu	7	-	7	1
Falmouth (Pendennis)	1027.5	0	N	2	Fo+	55	97	1	225	St	10	-	10	0
Plymouth (Cattewater)	1026.4	+2	-	0	mo	57	85	5	1500	StCu	10	-	10	0
Portland Bill	1025.8	+2	-	0	bc-	59	85	7	-	-	0	CiCu	4	0
Southampton (Calshot)	1025.6	+1	NNW	2	mmo	56	97	5	4000	StCu	9	-	9	2
Dungeness	1025.0	+1	NNE	2	0	56	97	5	4000	StCu	9	-	9	1
Jersey 7h)	1024.8	0	N	2	0	60	85	8	-	-	0	ACu	9	
Guernsey 1h)														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Tues. 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.
Banff	bc	bcb	49	66	-	-	6.7	5.0
Montrose	-	-	51	60	0.4	-	3.7	4.9
Llandudno	mbc	mo	47	66	-	-	2.2	9.3
Colwyn Bay ...	cbc	co	50	66	-	-	2.6	9.9
Rhyl	bc	bcco	48	70	-	-	6.2	8.0
Southport	cbcb	bbe	50	70	-	-	7.3	9.8
Blackpool	cl	cc	52	68	-	-	7.2	10.6
Harrogate	oc	bco	51	66	0.3	-	2.6	0.0
Skegness	ob	b	55	63	1	-	6.8	0.5
Aberystwyth	occ	o	52	65	-	-	1.0	11.5
Bath	o	o	55	65	-	-	0.1	3.2
Leamington Spa ...	cb	o	53	64	-	-	2.4	2.4
Lowestoft	bcb	bbco	58	63	-	-	8.6	0.0
Felixstowe	oc	obc	56	62	-	-	0.9	0.0
Southend	oc	bcb	59	67	-	-	5.0	0.0
Paignton	om	oto	52	64	-	-	0.5	9.8
Ilfracombe	o	oco	52	63	-	-	0.2	11.3
Bude	c	c	47	67	-	-	0.3	11.1
Penzance	cz	oz	52	64	-	-	0.0	9.2
Falmouth Observatory	-	-	52	63	-	-	0.8	11.6
Torquay	o	o	57	64	-	-	1.3	10.7
Weymouth	o	o	57	69	-	-	0.1	5.7
Bournemouth ...	ccb	bcc	56	67	-	-	2.0	5.5
Portsmouth (S'thsea)	obo	ocbbc	58	68	-	-	3.0	2.2
Worthing	obc	obco	58	68	-	-	2.1	1.4
Brighton	c	cpc	57	69	-	-	1.9	1.4
Eastbourne	oc	coroc	57	69	-	~~3~~ 1	3.3	0.5
Hastings	cbcco	oRoc	57	65	0.2	3	3.4	0.0
Folkestone	p	c	58	68	0.2	0.2	6.7	0.2
Tunbridge Wells ...	ohoc	cbc	56	69	-	-	3.1	0.1
Ramsgate	obc	bco	57	64	0.1	-	1.8	0.0
Margate	oco	o	59	64	-	-	0.7	0.1
Deal	op	bcc	58	67	-	-	2.0	

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 22204 THURSDAY, 7TH SEPTEMBER 1922.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1027.7	+3	WSW	3	bc	56	75	7	5400	Cu	3	CiCu	4	•
Stornoway	1028.3	+2	-	0	bc+	57	65	6	4000	Cu	6	-	6	•
Wick	1028.7	+3	SSW	2	0+	55	85	8	2500	CuNb	7	Ci	9	•
Castlebay	1030.0	+1	W	3	bc	56	85	7	1500	Cu	4	·	4	•
Nairn	•	•	•	•	·	•	•	•	•	•	•	•	•	•
Aberdeen	1029.6	+1	E'N	3	b	61	75	8	4000	Cu	1	-	1	•
Malin Head	1030.0	+1	NW	2	b	56	85	8	5700	Nb	2	Ci	3	•
Renfrew	1028.9	0	NNE	1	c+	65	55	7	-	·	0	Ci	8	•
Edinburgh (Inchkeith)	1028.7	+2	ESE	2	bc+	60	65	8	-	·	0	CiSt	5	•
Lowthers	1029.3	+2	E	2	C	59	75	8	4000	StCu	7	ACu	8	•
Eskdalemuir	1028.8	+2	NE'E	4	C	60	75	8	2500	StCu	3	Ci	7	•
Tynemouth	1027.8	+1	N	3	o/c	55	92	6	4000	StCu	10	-	10	•
Blackpool Point	1029.5	0	W	2	b.	59	75	9	-	Cu	2	-	2	•
Donaghadee	1029.3	+2	NNE	1	bc	59	75	7	-	·	0	CiCu	4	•
Birr Castle	1030.3	•	NW	1	bc/f	60	85	8	4000	StCu	6	·	6	•
Collinstown	1030.5	0	-	0	C	60	75	7	4000	StCu	5	ASt	7	•
Holyhead	1029.2	+2	N'W	3	o.	56	85	8	1500	StCu	9	-	9	•
Liverpool (Bidston)	1028.0	+1	WNW	1	c-	59	85	7	1500	Cu	8	-	8	•
Chester (Shotwick)	1027.0	+1	WNW	3	o-	62	85	6	4000	StCu	9	-	9	•
Spurn Head	1027.7	+1	NE	1	bc	65	75	6	4000	Cu	6	-	6	•
Nottingham	1026.5	•	ESE	2	b-	68	65	7	4000	Cu	1	ACu	2	•
Cranwell	1027.0	0	NE'E	2	C	68	65	8	4000	Cu	5	ACu	8	•
Gorleston	1026.7	+2	E'N	1	b-	65	75	7	-	·	0	ACu	2	•
Valencia (Cahirciveen)	1030.6	0	N	3	b-	59	65	8	4000	Cu	3	–	3	•
Rockes Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1028.0	0	NNW	2	c	61	85	6	4000	StCu	8	·	8	•
Ross-on-Wye	1026.0	-1	ESE	2	C	68	65	6	4000	Cu	3	ACu	7	•
Benson	1026.1	-1	NNE	3	o/c	64	75	7	-	StCu	10	·	10	•
Andover	1026.0	0	ENE	2	0	66	75	6	2500	StCu	1	ACu	10	•
S. Farnborough	1026.0	0	N	2	0	66	75	6	4000	Cu	8	ACu	10	•
London (Kew Obsy.)	1026.3	0	E'N	2	0	67	65	6	4000	Cu	3	ACu	10	•
Croydon	1026.4	0	E	2	o/f	65	65	7	5700	StCu	10	·	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1026.6	+1	NE	1	c+	65	55	9	4000	Cu	2	ACu	8	•
Grain	1026.7	+1	ENE	3	bc	65	55	8	2500	StCu	6	-	6	•
Lympne	1026.3	0	NE'N	3	b.	65	55	8	4000	StCu	3	-	3	•
Scilly (St. Mary's)	1027.5	+2	·	0	0+	63	75	7	4000	StCu	9	·	9	•
Falmouth (Pendennis)	1027.4	0	NE	2	c-	66	75	7	800	St	8	·	8	•
Plymouth (Cattewater)	1026.6	0	S	2	c-	61	85	7	1500	St	6	ACu	8	•
Portland Bill	1025.8	0	-	0	c+	64	75	6	1500	StCu	8	·	8	•
Southampton (Calshot)	1026.4	0	SSE	2	mmo	64	55	6	4000	StCu	9	·	9	•
Dungeness	1026.5	+1	E	2	b	66	65	8	-	-	0	·	0	•
Jersey 7h	1025.3	0	NW	3	b+	65	75	8	-	-	0	ACu	3	•
Guernsey 1h														

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1028.3	0	WSW	2	bc	54	85	7	1500	Cu	3	CiSt	6	1
Stornoway	1028.3	0	-	0	b-	55	65	6	4000	Cu	2	·	2	0
Wick	1028.8	+1	SE	1	bc-	54	85	8	5700	StCu	5	-	5	0
Castlebay	1029.8	0	S	3	b	55	85	7	-	-	0	-	0	2
Nairn	1027.7	•	·	0	bc+	57	75	8	7200	Cu	3	Ci	5	•
Aberdeen	1029.7	0	E'N	1	b	54	85	7	-	-	0	Ci	1	0
Malin Head	1029.8	0	NW	2	b	55	85	8	4000	Cu	1	-	1	2
Renfrew	1029.1	+1	NNE	3	0+	57	65	8	5700	StCu	7	-	7	•
Edinburgh (Inchkeith)	1028.9	0	E	1	b-	57	75	8	-	-	0	CiSt	1	1
Lowthers	1029.6	0	E	1	b-	54	85	8	-	-	0	Ci	2	•
Eskdalemuir	1029.1	0	NE'E	3	b-	53	85	7	2500	StCu	1	ASt	3	•
Tynemouth	1028.2	0	N	4	o	54	92	6	4000	StCu	10	-	10	3
Blackpool Point														
Donaghadee	1028.6	-1	NNE	3	b	55	85	8	-	·	0	·	0	2
Birr Castle	1029.3	•	NNW	1	bc-	60	75	9	4000	StCu	4	·	4	•
Collinstown	1030.1	0	NNE	1	b	59	75	7	4000	StCu	3	·	3	•
Holyhead	1028.2	-1	N	3	bc-	56	85	8	4000	StCu	2	ACu	5	1
Liverpool (Bidston)	1027.9	0	WNW	1	bc-	57	75	9	2500	Cu	2	ASt	4	2
Chester (Shotwick)	1027.0	0	WNW	3	bc-	57	85	6	800	St	7	ASt	10	•
Spurn Head	1027.7	0	NE	2	o+	57	92	6	4000	StCu	10	-	10	3
Nottingham	1026.5	•	NE	1	0	62	85	5	-	-	0	ASt	10	•
Cranwell	1027.0	0	NE	1	0	62	75	8	4000	St	7	ASt	10	•
Gorleston	1026.6	0	SE'E	1	b	60	65	7	5700	StCu	1	Ci	2	0
Valencia (Cahirciveen)	1029.9	0	NNW	4	b+	57	75	8	4000	StCu	2	ACu	3	4
Rockes Point														
Pembroke (St. Ann's H.)	1027.8	-1	N	3	bc	57	85	8	4000	St	3	Ci	4	3
Ross-on-Wye	1026.4	0	N	1	o/c+	61	92	4	800	CuNb	10	·	10	•
Benson	1026.0	0	·	0	0	64	75	7	-	StCu	10	·	10	•
Andover	1026.2	0	·	0	0-	61	85	5	4000	CuNb	1	CiSt	10	•
S. Farnborough	1026.1	0	-	0	mmo	63	85	5	-	·	0	ACu	10	•
London (Kew Obsy.)	1026.4	+1	E'S	2	bc	62	55	6	-	·	0	ACu	4	•
Croydon	1026.5	+1	ESE	2	bc-	58	75	7	7200	StCu	2	ACu	4	•
Clacton-on-Sea	1026.7	0	E	2	b-	62	75	7	2500	Cu	2	·	2	0
Shoeburyness	1027.0	0	E	2	b-	57	75	7	·	-	0	ACu	3	•
Grain	1026.6	0	ENE	3	b-	61	65	8	-	-	0	ASt	1	0
Lympne	1026.6	0	NNE	2	b	58	75	7	-	-	0	ASt	1	•
Scilly (St. Mary's)	1027.5	0	·	0	0	60	85	7	4000	StCu	9	-	9	1
Falmouth (Pendennis)	1026.9	0	NNE	2	mo-	61	85	6	4000	StCu	10	·	10	0
Plymouth (Cattewater)	1026.2	0	N	3	0	63	65	7	4000	StCu	5	ACu	10	0
Portland Bill	1025.8	0	·	0	0+	62	75	6	1500	StCu	10	·	10	0
Southampton (Calshot)	1026.5	+1	·	0	0	61	85	6	5700	StCu	10	·	10	0
Dungeness	1025.8	0	E	3	b	63	55	8	·	·	0	·	0	3
Jersey 7h	1025.1	0	N	2	0	64	75	8	2500	StCu	10	·	10	2
Guernsey 1h														

LONDON OBSERVATIONS

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0600 G.M.T. 7th								YESTERDAY.		TO-DAY.
Kew											
Croydon } 24 hours ended 0700	cmwbc	o3oyb3	bcmwc	•	•	38	-	-	1.9	•	•
Greenwich (Royal Obsy.)	obcfm3	ocbcy	obcm	•	•	38	-	-	4.3	•	•
City (Bunhill Row)	bc	ob	bobc3yjh	68	43	36	-	-	5.5	53	63
Westminster (St. James' Pk.)	•	•	•	•	•	•	•	•	3.9	•	•
Regent's Pk. (Botanic Gdns.)	bc	bc	bc	69	47	*	-	-	3.4	52	60
Camden Square	•	•	•	•	•	•	•	•	2.6	•	•
Kensington Palace	b	bc	•	70	46	43	-	-	•	•	68
Hampstead Observatory	cO	0	•	68	46	39	-	-	•	66 1/2h	68
	•	•	•	66	51	37	-	-	3.6	•	72

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1000 G.M.T. 6th

South Kensington

Max.	Time.	Min.	Time.
0.6	21h. 8th	0.3	1h. 6th
1.0	7h. 6th		

Kew Observatory

Max.	Time.	Min.	Time.
0.6	22h. 5th	0.3	13h. 6th
1.2	7h. 6th		

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..–.. joules

Average Rate

..–..Milliwatts.

Maximum Rate

..–..Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 6th 19h. 30m.

to 7th 4h. 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	9.0	7.5	79
δ Ursæ Minoris	9.0	6.42	74

RADIO DISTURBANCES (Atmospherics) AT CROYDON.

Time.	Type.	No. per 4 sec.	Stren.	Direc.
12h.	C	7	-	5
16h.	C1/2	7	·	120
01h.	C1/2	7	–	140
07h.	—	—	—	—

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

7th 8th Sept. 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.14	11.51	6.28
	5.16	11.51	6.26
Greenwich	5.23	11.58	6.33
	5.25	11.58	6.31
Wick	5.26	12.10	6.54
	5.28	12.10	6.51
Valencia	6.3	12.39	7.15
	6.5	12.39	7.13

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_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

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

M.O. Form 2370.

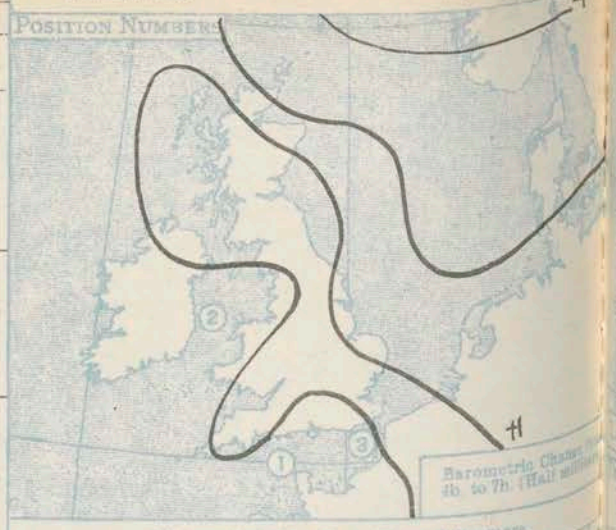
SUMMARIES FOR THE PAST 24 HOURS.

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	b.bc	b-bc	bbc	o	54	48	*	-	0.2	-	<2100	*
Stornoway	c	b-bc	bbc	o	60	45	*	-	—	-	—	9.1
Wick	c	c	c	o	59	42	*	-	—	-	—	*
Castlebay	bc	bcb	boc	co	56	50	*	-	—	-	—	11.3
Nairn	bbc		bcc	c	63	44	*	-	—	-	—	11.3
Aberdeen	b-bc	b-bc	bmw	bwmcm	64	39	34	-	—	-	—	10.4
Malin Head	c	b-bc	c	c	57	46	*	-	—	-	—	11.0
Renfrew	bcbec	cocybco	obbcl	comw	66	41	36	-	—	-	—	8.2
Edinburgh (Inchkeith)	b-bc	b-bc	c	form	62	47	41	-	—	-	—	9.4
Leuchars	c	c	bbc	bbc	59	40	*	-	—	-	—	4.2
Eskdalemuir	cbec	cbc	bbcb	bom	62	40	35	-	—	-	—	10.5
Tynemouth	ffdc	mo	oifm	odm	58	52	51	0.2	0.1	0900	2400	*
Blacksod Point ...	b-bc						*	-	—	-	—	*
Donaghadee	bc	bc	bc	bcm	59	51	*	-	—	-	—	*
Birr Castle	ffoco	cobc	bf	bcffo	62	40	35	-	—	-	—	*
Collinstown	c	b-bc	form	c	61	39	*	-	—	-	—	10.8
Holyhead	Dbm	ocbcb	ococ	oo	59	54	51	0.3	—	<0800	—	2.3
Liverpool (Bidston) ...	oo	b-bc	o	o	60	55	52	-	—	-	—	1.1
Chester (Shotwick) ...	ofomz	obcm	bccoz	omm	62	54	49	-	—	-	—	*
Spurn Head	f-m	c	F	F	65	52	*	Trace	Trace	<0800	<2100	4.5
Nottingham	b-bc	oop	o	r	69	55	52	Trace	1	1430	2400	4.2
Cranwell	ocbec	bc8	om	.om	68	54	54	-	—	-	—	4.6
Gorleston	bcc	b-bc	bw	bcbwf	61	45	41	-	—	-	—	7.1
Valencia (Cahirciveen)	bccb	b						—		—		
Roches Point							*					*
Pembroke (St. Ann's H.)	f-m	c	bbc	c	63	52	*	-	—	-	—	4.0
Ross-on-Wye	cfocbzcz	cozgr	grom	gom	69	55	54	1	0.2	1730	<2100	2.2
Benson...	fom	o	cbc	com	69	51	48	-	—		—	*
Andover	co	oom	omo	om	68	49	44	-	—	-	—	3.3
S. Farnborough ...	omom	oommb	omom	om	68	45	45	-	—	-	—	1.2
London (Kew Obsy.) ...	omwbczozoybczy		bcmwc	omwcfw	69	45	38	-	—	-	—	1.9
Croydon	obcfmz	ocbcy	obc	bcm	68	44	38	-	—	-	—	4.3
Clacton-on-Sea ...	cbcb		b	bbcz	66	48	46	-	—	-	—	9.8
Shoeburyness	b-bc	cbc	bc	bcbw	68	45	39	-	—	-	—	10.0
Grain	ocbc	bccbc	bbc	bbc	65	41	34	-	Trace	-	—	8.6
Lympne	bmmc ocbcy	b-bc	bw	bmcc	66	47	35	-	Trace	-	—	10.2
Scilly (St. Mary's) ...	co	c	o	c	65	54	*	-	—	-	—	3.6
Falmouth (Pendennis)	omc	cmo	omcm	cmf	67	56	*	-	—	-	—	4.6
Plymouth (Cattewater)	b-bc	oo	bccc		61	53	51	-	—	-	—	1.7
Portland Bill	c	oo	bbc	o	64	55	*	-	—	-	—	*
Southampton (Calshot)	f-m	f-m	mm	mm	68	52	46	-	—	-	—	1.8
Dungeness	b-bc	b-bc	bbc	m	67	45	*	-	—	-	—	*
Jersey 7h } ...	ocb	bco	c	ob	68	52	*	-	—	-	—	5.7
Guernsey 1h }												

BALLOHARS.

7th September

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
1	6th. 12h.	Reindeer.	NNE	2	b	62	60
2	6th. 10h.	Cambria	N	5	b	55	55
3	7th. 00h.	Dieppe.	N	2	b	60	60

GENERAL INFERENCE.

The large anticyclone will maintain fo quiet weather over the British Isles with rather high day temperatures in the South of England. Little or no rain is likely for several days and considerable sunny periods may be expected especially in the West of England and in Ireland.

Districts. — Forecasts for the 24 hours commencing 15 h. G.M.T. — Thursday, 7th September, 1922.

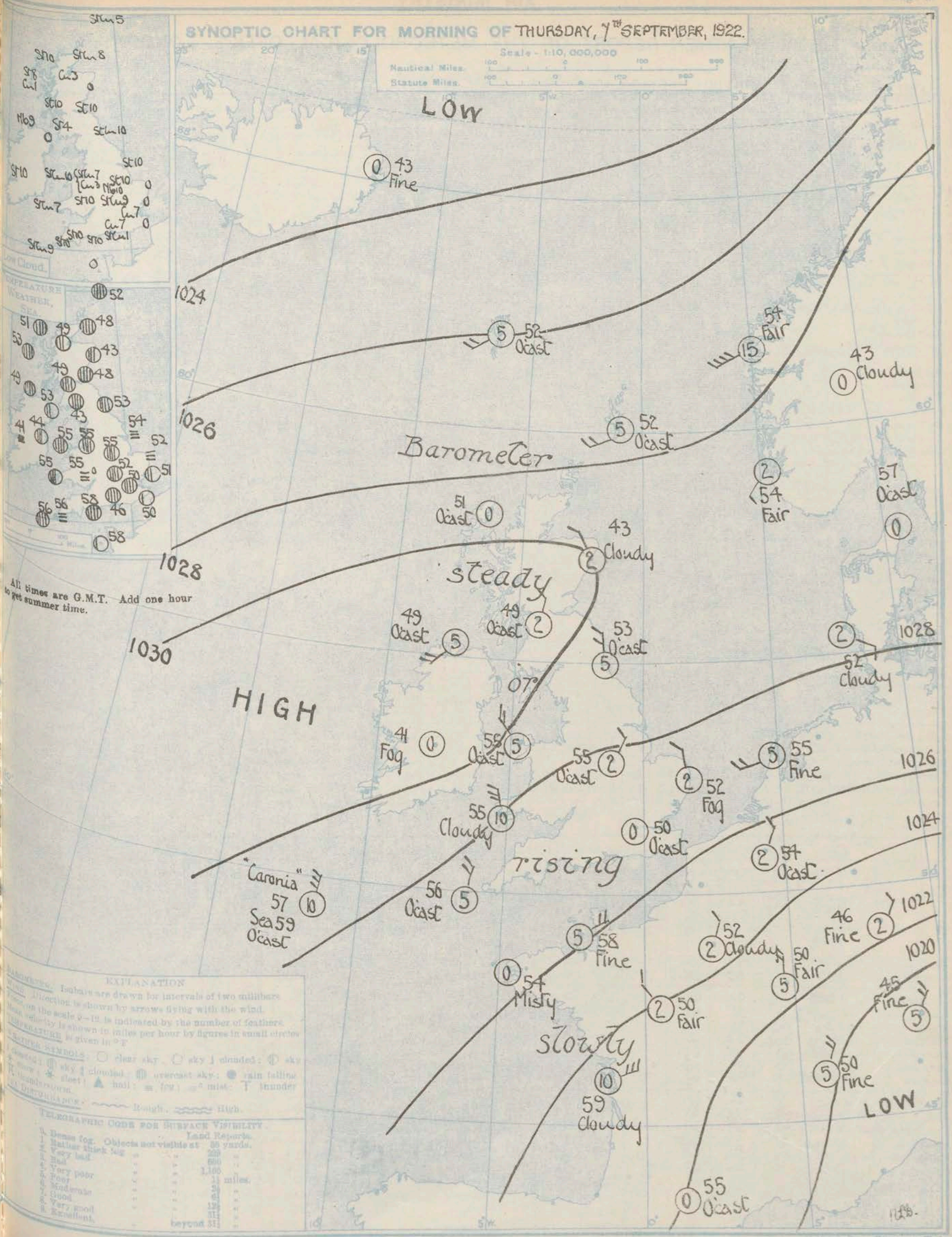
Districts.	Forecast
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light breezes, mainly from N & N.E.; mainly bright and sunny, but some cloud at times; visibility good apart from morning mist or fog; rather high temperature during the day.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind light and indefinite; mainly fair, but cloudy at times; visibility good apart from morning mist or fog inland; moderate temperature.
11. E. Scotland 12. S.W. Scotland	Light N.W. wind; mainly fair, but cloudy at times; mist at night; moderate day temperature, ground frost locally inland at night.
13. Isle of Man	Same as 7 to 10.
14. N.& N.W. Scotland	Same as 11 to 12.
15. Hebrides 16. Orkneys and Shetlands	Light N.W. wind; mainly fair, but cloudy at times; visibility moderate or good; cool.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as Nos 7 to 10.

Further Outlook.

Little or no rain for several days. Considerable sunny periods, especially in the west of England and in Ireland.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. — Forecasts issued at 09.30 G.M.T. — G. C. Simpson, F.R.S., Dire

SYNOPTIC CHART FOR MORNING OF THURSDAY, 7TH SEPTEMBER, 1922.



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION Thursday, 7th SEPTEMBER 1922. No. 750

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 Height of Low Cloud (Feet)	0100 Low Cloud Form.	0100 Low Cloud 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 Height of Low Cloud (Feet)	0700 Low Cloud Form.	0700 Low Cloud Amt. (0-10)	0700 Upper Form.	0700 Total Amt. (0-10)	0700 Sea (0-9)
Observations at 0100 G.M.T. 7 / 0700 G.M.T. 7																												
Lerwick	1028·6	0	WSW	1	c+	50	97	7	5750	StCu	3	ASt	7	•	1027·7	-1	WSW	2	o+	52	85	7	5750	StCu	5	ASt	9	1
Stornoway	1030·4	0	—	0	b-	•	•	7	•	•	•	•	•	•	1028·8	+1	—	0	o	51	92	5	800	St	10	—	10	0
Wick	1028·5	-1	S	1	c+	50	97	8	5750	StCu	8	—	8	•	1028·8	0	WNW	1	o	48	97	8	5750	StCu	8	CiCu	10	0
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1030·0	0	W	2	o	53	85	8	1500	St	9	—	9	1
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1029·5	•	—	0	bc+	49	85	8	4000	Cu	3	ACu	6	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1030·0	+1	NNW	1	c⊕	43	97	5	—	—	0	CiSt	8	0
Malin Head	1030·4	0	SW'S	1	o	48	97	8	4000	Cu	2	CiSt	10	•	1030·7	0	SW	2	o	49	97	7	5750	Nb	9	—	9	2
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1030·3	+1	NE	1	o	49	92	1	800	St	10	—	10	•
Edinburgh (Inchkeith)	1029·3	+1	E	2	o+	51	85	8	—	StCu	9	—	9	•	1029·6	+1	SSE	2	o+	48	92	6	—	St	10	—	10	1
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1029·6	0	E	1	Fbc	45	97	2	—	—	0	Ci	4	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1030·3	0	N	2	mo	43	97	6	<150	St	4	ACu	9	•
Tynemouth	1028·7	0	NW	1	oqd₀	53	97	5	2500	St	10	—	10	•	1029·4	+1	N	2	bcjr	53	92	6	4000	StCu	10	—	10	1
Blacksod Point														•														
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1029·1	+1	N	1	bc	53	85	7	—	—	0	CiCu	5	0
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1030·4	•	—	0	ffo	41	97	1	<150	St	10	—	10	•
Collinstown	1031·4	0	—	0	bc+	42	97	6	—	—	0	Ci	5	•	1031·0	0	WNW	2	c	44	97	8	—	—	0	CiSt	8	•
Holyhead	1028·5	0	N'W	4	bc	55	92	8	—	—	0	ACu	6	•	1028·4	0	N'W	2	o	55	92	8	800	StCu	10	—	10	1
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1028·3	0	WNW	1	o	55	92	7	1500	St	10	—	10	1
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1027·2	+1	WNW	2	o	56	92	6	800	St	10	—	10	•
Spurn Head	1027·7	-1	ENE	2	ffo	55	97	1	450	St	10	—	10	•	1028·4	+1	NNE	1	ffo	54	92	1	<150	St	10	—	10	2
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1027·6	•	NE	1	o	55	97	5	1500	Nb	10	—	10	•
Cranwell	1028·1	0	NE'E	2	o	56	97	6	2500	St	10	—	10	•	1028·0	0	NE	2	o	55	97	6	800	St	10	—	10	•
Gorleston	1027·6	0	NE	1	bc+	52	92	7	—	—	0	Ci	4	•	1027·4	0	N	1	FFb	52	97	2	—	—	0	Ci	3	0
Valencia (Cahirciveen)														•														
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•														
Pembroke (St. Ann's H.)	1028·0	0	N	4	b	54	92	7	4000	StCu	2	—	2	•	1027·7	0	N	3	c	55	92	7	4000	StCu	7	—	7	3
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1027·7	+1	N	1	mmo	55	97	4	800	St	10	—	10	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1027·3	+1	ENE	1	o	52	85	6	—	StCu	9	—	9	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1027·6	0	—	0	o	54	92	6	5750	StCu	7	CiSt	10	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1027·6	0	—	0	mo-	46	97	5	800	StCu	7	ACu	10	•
London (Kew Obsy.)	•	•	•	•	•	51	•	•	•	•	•	•	•	•	1028·0	+1	—	0	fc-	50	92	3	4000	Cu	7	—	7	•
Croydon	1027·9	0	SW'S	1	b	46	97	7	—	—	0	ASt	1	•	1027·8	+1	—	0	c+	47	97	4	5750	StCu	3	ACu	7	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1027·5	0	NE	2	bc	57	92	6	—	—	0	ACu	4	0
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1027·5	0	NNE	1	b	53	85	6	—	—	0	Ci	2	0
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1027·6	0	NW	1	b	52	97	6	—	—	0	Ci	1	•
Lympne	1027·0	0	NNE	3	b	51	97	6	—	—	0	—	0	•	1027·2	0	N	3	b	52	97	6	—	—	0	ACu	1	•
Scilly (St. Mary's)	1027·5	0	NE	2	o	57	92	7	4000	StCu	10	—	10	•	1027·6	0	NNE	2	o	56	92	7	4000	StCu	9	—	9	2
Falmouth (Pendennis)	1027·2	-2	N	3	c/m	57	92	6	4000	Cu	8	—	8	•	1027·3	+1	NNE	3	FFo	58	97	2	800	St	10	—	10	0
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1027·1	+1	—	0	mo-	55	97	4	<150	St	10	—	10	0
Portland Bill	1027·5	+2	E	2	b-	59	75	7	—	—	0	CiCu	3	•	1027·5	0	—	0	o+	58	75	7	450	St	10	—	10	0
Southampton (Calshot)	1027·3	0	E'N	2	mmbc	56	92	5	5750	StCu	3	ACu	4	•	1027·5	0	—	0	mmb	53	85	5	5750	StCu	1	ACu	3	0
Dungeness	1026·4	0	NE	2	b	50	92	8	—	—	0	—	0	•	1026·5	0	NNE	3	b+	50	92	6	—	—	0	Ci	2	3
Jersey 7h / Guernsey 1h	1027·2	+1	NNE	1	o/m	55	97	6	7250	St	10	—	10	•	1026·1	0	NE	2	b	58	75	8	—	—	0	ACu	3	1

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

Stations.	Weather: Fore-noon.	Weather: After-noon.	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 5 (hr.)
Banff	b	b	47	59	-	-	11·0	6·7
Montrose	•	•	53	62	-	-	8·4	4·0
Llandudno	oop	poo	49	60	0·4	0·1	0·0	2·2
Colwyn Bay	cbc	c	54	58	-	-	0·0	2·6
Rhyl	o	oc	51	60	-	-	0·0	6·2
Southport	ocbc	bcc	54	61	-	-	3·3	9·4
Blackpool	obc	c	55	65	-	-	4·9	7·2
Harrogate	o	o	49	63	-	-	0·0	2·6
Skegness	bmcobf	cfo	55	63	-	-	5·6	7·9
Aberystwyth	mc	o	53	61	-	-	0·2	1·0
Bath	mbfbo	mobcb	58	68	-	-	2·6	0·1
Leamington Spa	ombc	bccbo	52	69	-	-	5·1	2·7
Lowestoft	ocbcb	b	55	65	-	-	8·2	8·8
Felixstowe	bz	bv	54	65	-	-	10·3	1·2
Southend	bcb	b	54	69	-	-	9·6	5·9

Stations.	Weather: Fore-noon.	Weather: After-noon.	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 5 (hr.)
Paignton	ocbcc	bc	57	70	-	-	4·7	0·5
Ilfracombe	ocbc	bcco	57	64	-	-	2·4	0·0
Bude	wozo	o	47	64	-	-	0·8	0·6
Penzance	b	bc	52	68	-	-	4·5	0·0
Falmouth Observatory	omcz	bcc	53	70	-	-	5·0	0·8
Torquay	o	b	57	69	-	-	5·4	1·3
Weymouth	oc	co	57	72	-	-	2·5	0·1
Bournemouth	b.	bbco	50	68	-	-	4·5	2·3
Portsmouth (S'thsea)	cb	upo	55	68	-	0·4	0·8	3·6
Worthing	obc	bcb	53	67	-	-	4·3	2·1
Brighton	c	cbc	53	68	-	-	4·9	1·9
Eastbourne	b	bbc	55	68	-	-	8·9	3·5
Hastings	w.b.bc	c.o.bcb	54	67	Trace	-	8·3	4·0
Folkestone	bz	b	58	66	-	-	9·0	7·5
Tunbridge Wells	bcb	bcb	51	69	-	-	8·2	3·6
Ramsgate	bcb	b	57	65	-	-	9·0	1·8
Margate	bbc	b	58	65	-	-	9·0	0·7
Deal	mbc	bb	55	69	-	-	8·0	2·0

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22205 Friday, 8th September 1922.

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 Height of Low Cloud Feet	13h Low Cloud Form.	13h Low Cloud Amt. 0-10	13h Upper Form.	13h Total Amt. 0-10	13h Sea 0-9	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 Height of Low Cloud Feet	18h Low Cloud Form.	18h Low Cloud Amt. 0-10	18h Upper Form.	18h Total Amt. 0-10	18h Sea 0-9
Observations at 1300 G.M.T. 7th / 1800 G.M.T. 7th																												
Lerwick	1028.5	+1	W	2	c-	54	85	8	4000	Cu	5	ACu	7	*	1029.0	0	W	1	c	52	85	8	4000	Cu	2	ACu	7	0
Stornoway	1030.1	+1	-	0	o	57	75	6	800	St	10	·	10	*	1030.2	0	-	0	o	55	92	5	450	St	10	-	10	0
Wick	1030.8	+1	SSW	2	c	56	85	8	2500	CuNb	5	ACu	8	*	1030.3	0	WSW	1	o/r	52	97	8	1500	St	10	-	10	0
Castlebay	1031.3	+1	SW	3	o	56	85	8	800	St	10	-	10	*	1031.7	0	W	4	mo	55	92	6	450	St	10	-	10	3
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1030.0	*	-	0	bc-	59	75	8	4000	Cu	3	ACu	5	*
Aberdeen	1030.7	0	E'S	2	c+	60	75	7	4000	Cu	6	Ci	7	*	1030.8	0	-	0	b	53	85	7	5700	StCu	1	-	1	0
Malin Head	1031.2	+1	NW	2	bc-	56	85	9	5700	StCu	2	ACu	4	*	1031.8	+1	NW	3	b	55	92	9	4000	Cu	1	ACu	2	1
Renfrew	1030.5	-1	-	0	o+	61	65	5	4000	StCu	2	ACu	10	*	1030.4	0	WNW	3	b	60	65	8	-	St	2	-	2	*
Edinburgh (Inchkeith)	1029.8	0	ENE	1	o	58	65	6	·	·	0	CiCu	9	*	1029.9	0	SSE	1	b-	57	75	8	-	-	0	-	0	1
Leuchars	1030.4	+1	E	1	b	59	75	7	5700	Cu	1	CiCu	3	*	1030.5	0	E	1	b	55	85	7	7200	StCu	1	-	1	*
Eskdalemuir	1029.9	0	NNE	3	c	59	65	7	2500	StCu	1	ACu	8	*	1030.3	0	NE	1	b	55	75	8	-	-	0	-	0	*
Tynemouth	1030.2	+1	N	3	c	55	55	6	4000	St	4	ASt	8	*	1030.3	0	NE	2	c	53	92	8	4000	Cu	6	CiCu	8	0
Blacksod Point														*														
Donaghadee	1030.9	+1	NNE	1	c+	56	75	8	-	-	0	ACu	8	*	1030.7	0	NNE	2	b-	56	85	8	-	-	0	CiCu	1	1
Birr Castle	1031.2	*	NW	1	c/f	59	65	8	4000	StCu	4	ACu	7	*	1030.7	*	NNW	1	bc-	59	75	9	4000	Cu	5	-	5	*
Collinstown	1031.8	+1	N'W	2	c-	59	65	8	4000	StCu	3	CiSt	7	*	1031.9	+1	N'E	3	b-	56	85	8	-	-	0	ASt	3	*
Holyhead	1029.2	0	N'E	4	o	56	97	5	800	StCu	10	·	10	*	1029.3	+1	N'E	4	o	57	85	6	800	StCu	10	·	10	2
Liverpool (Bidston)	1028.9	0	WNW	1	o-	57	92	5	1500	Nb	9	·	9	*	1028.5	0	NNE	1	c	60	75	7	2500	Cu	3	ASt	8	1
Chester (Shotwick)	1028.0	0	WNW	3	o	60	75	5	5700	StCu	10	·	10	*	1027.8	0	WNW	1	c-	58	92	4	4000	StCu	7	-	7	*
Spurn Head	1028.8	0	NE	3	bc	59	85	6	1500	St	6	-	6	*	1028.3	0	NNE	4	b/f	56	92	5	4000	Cu	2	Ci	3	3
Nottingham	1028.3	*	ENE	1	o	60	85	6	1500	Nb	10	·	10	*	1027.8	*	NE	1	c	60	75	7	2500	StCu	5	Ci	7	*
Cranwell	1028.1	0	N	3	o	63	75	7	2500	Cu	8	ACu	9	*	1028.0	0	NE	3	bc+	59	75	8	-	-	0	ACu	4	*
Gorleston	1027.7	+1	N	3	b	63	55	8	5700	Cu	1	·	1	*	1026.9	0	N	3	b+	59	75	7	4000	Cu	3	·	3	1
Valencia (Cahirciveen)	1030.9	0	E'N	2	bc-	61	65	8	4000	StCu	4	ASt	6	*	1030.8	+1	NE	2	b-	65	75	8	4000	StCu	1	ACu	3	1
Roches Point														*														
Pembroke (St. Ann's H.)	1028.7	0	N	3	o	61	75	7	2500	St	9	·	9	*	1028.6	0	N	3	bc	57	85	7	1500	St	6	-	6	2
Ross-on-Wye	1027.9	0	NE'E	2	mo-	61	75	6	1500	St	10	·	10	*	1027.5	0	NE	1	c	61	85	6	-	-	0	Ci	8	*
Benson	1027.6	-1	E	1	bc	65	75	5	4000	Cu	5	·	5	*	1027.2	0	NE	1	c+	59	75	7	4000	StCu	7	Ci	8	*
Andover	1027.4	0	·	0	b-	67	55	7	4000	StCu	2	·	2	*	1027.2	0	ENE	1	bc	60	65	7	5700	StCu	6	-	5	*
S. Farnborough	1027.2	-1	ENE	2	bc-	67	55	6	4000	Cu	6	·	6	*	1026.9	0	-	0	bc-	61	65	6	-	-	-	ACu	3	*
London (Kew Obsy.)	1027.7	-1	NE'N	3	b	66	45	7	4000	Cu	3	·	3	*	1026.9	0	N	2	c+	63	55	6	4000	Cu	2	ACu	8	*
Croydon	1027.4	-1	NE	3	b+	65	55	8	5700	Cu	3	·	3	*	1026.7	0	SE'E	2	bc	59	75	7	5700	Cu	4	ACu	5	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1027.0	0	ENE	3	b	61	65	7	2500	Cu	3	·	3	0
Shoeburyness														*	1027.4	0	ENE	1	b	57	75	7	-	-	0	ACu	1	*
Grain	1027.8	0	ENE	4	bc+	63	65	8	2500	StCu	4	-	4	*	1027.0	0	ENE	3	b	59	75	8	4000	StCu	1	-	1	1
Lympne	1027.5	0	N'E	3	o	60	85	8	2500	StCu	9	-	9	*	1027.2	0	NE	2	b--	56	85	7	4000	Cu	1	-	1	*
Scilly (St. Mary's)	1027.6	0	NNE	2	o	59	85	6	4000	StCu	10	·	10	*	1026.9	0	NE'N	3	o	57	92	6	4000	StCu	10	-	10	3
Falmouth (Pendennis)	1028.2	0	N	2	mo-	59	92	4	2500	St	10	-	10	*	1027.4	0	NNE	1	o	60	92	4	2500	St	10	·	10	0
Plymouth (Cattewater)	1027.4	0	-	0	oPR	59	92	5	<150	St	10	·	10	*	1027.1	0	-	0	o/r	58	85	6	2500	St	10	·	10	0
Portland Bill	1027.5	0	E	2	bc-	60	65	7	-	-	0	ACu	6	*	1027.5	0	WNW	3	bc-	60	75	7	-	-	0	CiCu	4	1
Southampton (Calshot)	1027.5	-1	-	0	bc-	69	55	7	4000	StCu	4	-	4	*	1026.9	+1	SW'W	1	bc+	61	85	6	4000	StCu	5	ACu	6	0
Dungeness	1027.0	0	NE	2	bc+	65	55	7	-	-	0	CiCu	6	*	1026.4	-1	E	2	b	60	75	7	-	-	0	-	0	2
Jersey 7h / Guernsey 1h	1026.1	0	NE	2	b	65	55	8	-	·	0	CiCu	1	*	1025.3	0	NE	3	b	62	65	8	-	-	0	·	0	2

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 } 24 hours ended 0700	:fwby	bcyezy	wconw	*	*	41	–	–	8.1	*	*
Croydon } 24 hours ended 0700	:mbzy	bybc	bonw	*	*	38	–	–	8.3	*	*
Greenwich (Royal Obsy.)	b	bc	bjpom	69	49	36	–	–	9.3	43	81
City (Bunhill Row)									9.9	*	*
Westminster (St. James' Pk.)	bc	bc	bc	69	51	*	–	–	10.2	43	73
Regent's Pk. (Botanic Gdns).									9.2	*	*
Camden Square	bc	bc		71	50	46	–	–		*	83
Kensington Palace	bc	c	oc	69	51	44	–	–		55 8th	84
Hampstead Observatory	bc	bc		65	48	39	–	–	9.7	*	86

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 7th

South Kensington Max.	Time.	Min.	Time.
0.6	18h. 6th	<0.3	10–15h 7th
1.3	8h. 7th		

Kew Observatory Max.	Time.	Min.	Time.
0.6	22h. 6th	<0.3	13h. 7th
1.1	8h. 7th		

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday. South Kensington.

Total .... joules

Average Rate ....Milliwatts.

Maximum Rate ....Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 7th 19 h. 30 m. to 8th 4 h. 30 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	9.0	6.2	67
δ Ursae Minoris	9.0	5.38	63

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	6	–	125
18h.	C	7	–	100
01h.	C, C_2	8	–	125
07h.	C	7	–	110

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 8th & 9th September, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.16 / 5.17	11.51 / 11.50	6.26 / 6.23
Greenwich	5.25 / 5.26	11.58 / 11.57	6.31 / 6.28
Wick	5.28 / 5.30	12.10 / 12.09	6.51 / 6.48
Valencia	6.5 / 6.6	12.39 / 12.38	7.13 / 7.10

BEAUFORT NOTATION OF WEATHER.

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

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

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

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

SEA DISTURBANCE.
0=no swell } 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.

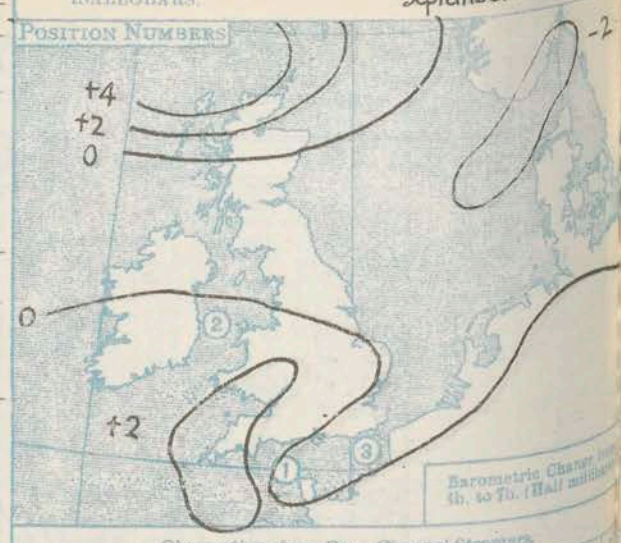
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[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. 7th	13h.-18h. 7th	18h. 7th to 1h. 8th	1h.-7h. 8th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL. Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	c	b-bc	o	c	55	44	•	0.2	Trace	0900	2200	•
Stornoway	oo	oo	r	c	57	50	•	–	1	–	–	0.0
Wick	c	d d o	od d	o	59	49	•	Trace	0.5	1530	<2100	•
Castlebay	oco	odpfm	odpfo	odf	56	54	•	–	1	–	–	0.9
Nairn	cbc		cpg	cg	64	52	•	–	1	–	0430	5.8
Aberdeen	b-bc	b-bc	bc m	cmb	61	47	41	–	–	–	–	6.1
Malin Head	b-bc	b-bc	c	oife	57	53	•	–	Trace	–	02.30	5.4
Renfrew	ombcoz	czbc	bbem	cow	63	41	34	–	–	–	–	6.4
Edinburgh (Inchkeith)	oo	b-bc	c	form	60	50	43	–	–	–	–	7.5
Leuchars	b-bc	b-bc	c	c	59	42	35	–	–	–	–	6.7
Eskdalemuir	omoc	bcb	b	bo	61	37	33	–	–	–	–	9.2
Tynemouth	cm	cm	bcmo	iF	56	45	42	–	–	–	–	•
Blacksod Point							•					•
Donaghadee	c	bc	bc	bc	59	51	•	–	–	–	–	•
Birr Castle	ffaco	cobc	bcofr	bFFo	62	40	34	–	–	–	–	•
Collinstown	c	b-bc	bbc	bbc	61	39	•	–	–	–	–	10.9
Holyhead	oomm	oomco	ocbcb	bcofcb	58	53	49	–	–	–	–	0.5
Liverpool (Bidston)	oo	oo	bcm		61	50	41	–	–	–	–	0.0
Chester (Shotwick)	omffm	ocmz	cbmF	bwFF	61	40	37	–	–	–	–	•
Spurn Head	b-bc	f-m	bbc	c	59	51	•	–	–	–	–	2.1
Nottingham	oo	c	c	cw	64	50	47	–	–	–	–	1.8
Cranwell	oo	obc	omom	m	64	48	46	–	–	–	–	3.9
Gorleston	b-bc	b-bc	bbccg	bcpfg	63	53	51	–	0.2	–	0530	11.9
Valencia (Cahirciveen)	cbc	bcb	bv					–		–		
Roches Point							•					•
Pembroke (St. Ann's H.)	c	oo	o	o	61	55	•	–	–	–	–	2.3
Ross-on-Wye	omcom	cz	cmwom	omcm	65	49	45	–	–	–	–	1.8
Benson	ocbc	bcc	c	o	67	50	44	–	–	–	–	•
Andover	omcbc	bbc	cbcbw		67	47	42	–	–	–	–	4.0
S. Farnborough	omcmdzy	bczzyy	bom		67	46	44	–	–	–	–	5.9
London (Kew Obsy.)	cfwby	bcyczy	czycwc	wcomw	67	50	41	–	–	–	–	8.1
Croydon	cmbzy	bybc	bowm	omw	66	44	38	–	–	–	–	8.3
Clacton-on-Sea	bc		bc	bcc3	64	50	47	–	–	–	–	11.9
Shoeburyness		b	b	bbcc	66	57	40	–	–	–	–	9.0
Grain	bbcc	bccb	bbcc	bbcc	63	50	34	–	–	–	–	10.1
Lympne	ombcco	oprcbc	bbccow	obom	62	47	35	Trace	Trace	1430	–	6.8
Scilly (St. Mary's)	om	om	om	om	60	56	•	–	–	–	–	0.0
Falmouth (Pendennis)	fom	om	om	bm	62	54	•		–		–	0.0
Plymouth (Cattewater)	r-d	r-d	f	bcc	60	50	43	0.4	Trace	0900	–	0.0
Portland Bill	c	b-bc	c	bbc	62	52	•	–	–		–	•
Southampton (Calshot)	c	c	c	c	69	50	47	–	–	–	–	6.7
Dungeness	b-bc	b-bc	bbc	bbc	66	48	•	–	–	–	–	•
Jersey 7h. / Guernsey 1h.	b	b	c	bo	67	57	•	–	–	–	–	10.3

ISALLOBARS. September 8th.



Observations from Cross Channel Steamers.

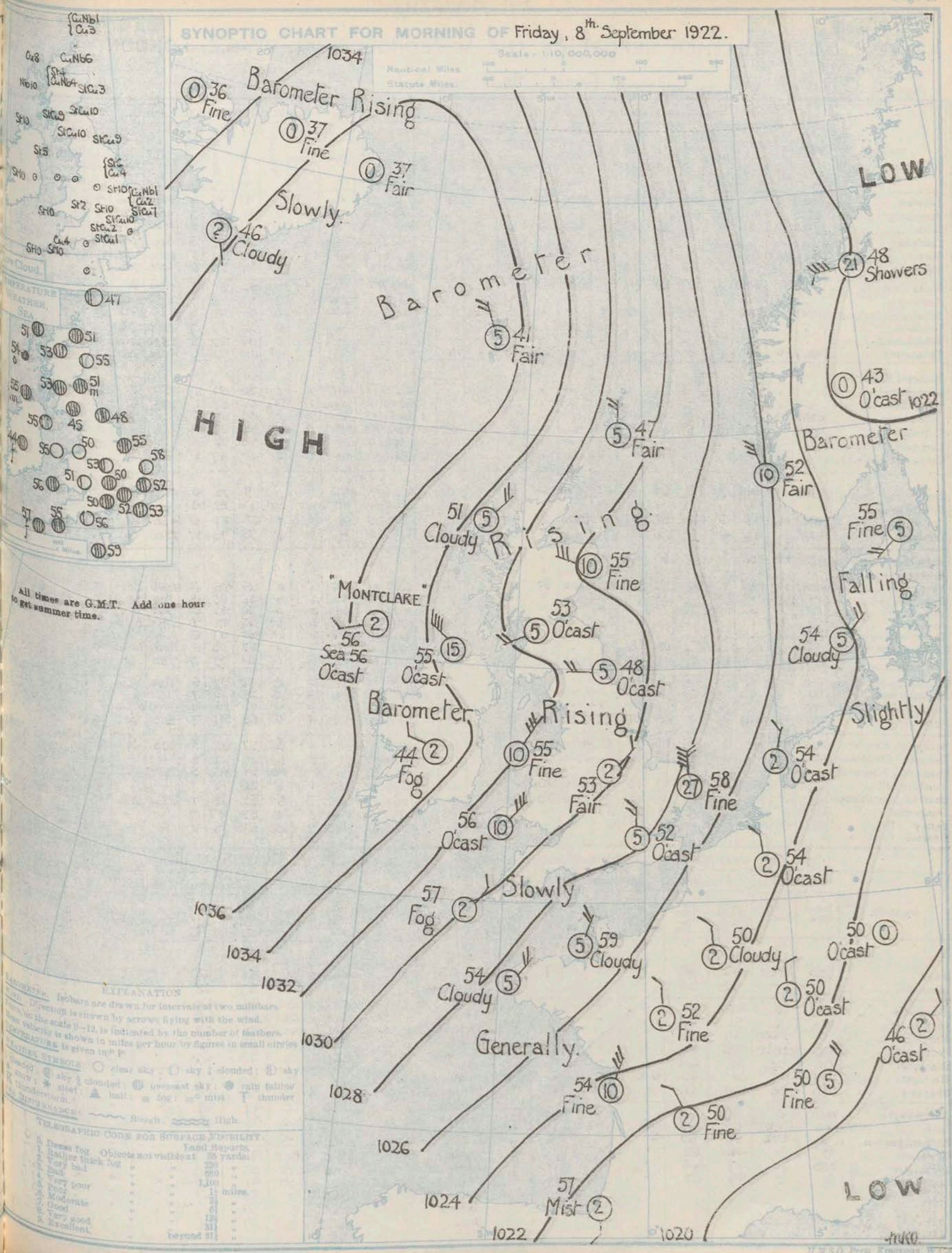
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	7th 7h	Cambria	N	5	bc	53	55
1	7th 11h	Ibex	NE	1	bc	61	59
3.	8th 2h	Brighton	NE	4	bc	58	60

GENERAL INFERENCE.

Pressure is now highest betwee the Hebrides and Iceland and the most rapid rise of pressure is i this region. The N to NE wind over the British Isles will become stronger but apart from some drizzle on the East Coast the weather will be mainly fair and dry for the next few days.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 8th, September, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Moderate to fresh Northerly winds; mainly cloudy, but some bright periods, drizzle locally on the coast; visibility good; rather cold.	Mainly fair and dry for the next few days except on the east coast where cloudy weather is likely with occasional showers.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Moderate N to NE winds; some cloud but considerable bright periods; visibility good apart from morning mist; moderate temperature.	
10. N.E. England 11. E. Scotland	As 1 - 3.	
12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Moderate winds, mainly from N and NE; mainly cloudy, but some bright periods; visibility good during the day, mist locally at night; rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate NW to N winds, veering to NE; some cloud but considerable bright periods; visibility good apart from morning mist; moderate temperature.	

EVN


SYNOPTIC CHART FOR MORNING OF Friday, 8th September 1922.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
1034
Barometer Rising
Slowly.
36 Fine
37 Fine
37 Fair
46 Cloudy
HIGH
Barometer
41 Fair
47 Fair
LOW
48 Showers
43 O'cast
1022
Barometer
52 Fair
55 Fine
Falling
Slightly
51 Cloudy
Rising
55 Fine
"MONTCLARE"
56 Sea 56 O'cast
55 O'cast
53 O'cast
48 O'cast
54 Cloudy
Barometer
Rising
44 Fog
55 Fine
53 Fair
58 Fine
54 O'cast
56 O'cast
52 O'cast
54 O'cast
Slowly
57 Fog
59 Cloudy
50 Cloudy
50 O'cast
54 Cloudy
52 Fine
50 O'cast
Generally.
54 Fine
50 Fine
50 Fine
46 O'cast
57 Mist
LOW
1036
1034
1032
1030
1028
1026
1024
1022
1020
All times are G.M.T. Add one hour to get summer time.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... Friday, 8th September ... 1922. No. 251

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1029.0	0	N	1	od	49	85	7	2500	Nb	10	–	10	•
Stornoway	1030.5	0	–	0	odd	•	•	4	•	•	•	•	•	•
Wick	1029.5	-2	SSW	3	od	52	97	8	800	St	10	–	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1033.3	+1	NW'W	3	o+	55	97	7	5750	StCu	9	–	9	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1030.8	+1	ENE	1	c+	51	85	7	–	–	0	CiCu	8	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1031.7	0	W	1	o	50	97	6	4000	StCu	10	–	10	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1033.9	+3	–	0	b	41	97	7	–	–	0	–	0	•
Holyhead	1030.4	0	NNE	3	b-	55	97	7	–	–	0	–	0	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1030.3	+1	NNE	3	b	53	92	8	–	–	0	–	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1028.7	+1	N'E	3	mo+	51	97	4	1500	St	10	–	10	•
Gorleston	1027.6	0	N'E	4	b-	56	85	7	–	–	0	ACu	2	•
Valencia (Cahirciveen)	1032.1	+4	ESE	1	b	53	92	9	–	–	0	ACu	2	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1029.7	+1	ENE	3	o	56	92	6	1500	St	10	–	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	53	•	•	•	•	•	•	•	•
Croydon	1028.8	+1	–	0	o	48	97	5	1500	St	10	–	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1027.6	+1	NNW	3	o	49	97	7	7250	StCu	9	–	9	•
Scilly (St. Mary's) ...	1029.1	+1	NE	3	o	57	97	6	4000	StCu	10	–	10	•
Falmouth (Pendennis)	1028.9	0	–	0	mo-	56	92	5	2500	St	10	–	10	•
Plymouth (Cattewater)	•	•	•	•			•	•	•	•	•	•	•	•
Portland Bill	1027.5	0	N	3	bc	57	85	7	1500	StCu	6	–	6	•
Southampton (Calshot)	1028.2	0	NE	3	o+	55	85	8	5750	StCu	10	–	10	•
Dungeness ...	1027.0	0	NE'E	2	bc+	48	97	8	–	–	0	ACu	5	•
Jersey -7h }	1028.1	+1	N'W	2	o-	56	92	8	–	–	0	ACu	9	•
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1030.5	+3	N	2	bc-	47	85	7	4000	Cu	4	–	4	1
Stornoway	1033.1	+4	NE	2	c	51	92	5	4000	Cu	8	–	8	1
Wick	1031.1	+4	N	2	o-	51	75	8	1500	CuNb	6	CiSt	9	3
Castlebay	1033.3	0	NNW	3	odd	54	97	5	800	Nb	10	–	10	2
Nairn	1031.8	•	WNW	2	c/f	53	92	8	1500	CuNb	8	–	8	•
Aberdeen	1029.9	0	WNW	3	b	55	85	8	4000	StCu	3	–	3	0
Malin Head	1033.7	0	NW	4	imo	55	97	6	450	St	10	–	10	2
Renfrew	1031.6	0	WSW	2	o-	53	92	7	5750	StCu	9	CiSt	10	•
Edinburgh (Inchkeith)	1030.2	0	WSW	3	mo-	51	92	5	–	StCu	10	–	10	2
Leuchars	1030.5	0	W	2	c	52	85	7	7250	StCu	3	Ci	8	•
Eskdalemuir	1032.1	0	–	0	o	45	92	8	2500	StCu	10	–	10	•
Tynemouth	1031.4	0	W	2	o/f	48	92	5	4000	StCu	9	–	9	0
Blacksod Point ...														
Donaghadee	1032.4	+1	NNE	2	c-	55	92	8	2500	St	5	ACu	8	0
Birr Castle	1034.0	•	WNW	1	FFo	44	97	1	4150	St	10	–	10	•
Collinstown	1034.3	+1	W'N	2	b-	44	97	8	–	–	0	ASt	3	•
Holyhead	1031.3	+2	NE'N	3	b/f	55	97	4	–	–	0	–	0	0
Liverpool (Bidston) ...	1031.5	0	–	0	b-	50	92	3	–	–	0	–	0	1
Chester (Shotwick) ...	1030.6	+1	W	1	Fb-	44	97	1	–	–	0	–	0	•
Spurn Head	1029.3	-1	N'W	5	o	55	92	6	4000	St	10	–	10	4
Nottingham	1030.2	•	NE	1	bc+	53	92	6	–	–	0	ACu	4	•
Cranwell	1030.3	+2	N	3	o-	51	97	6	450	St	10	–	10	•
Gorleston	1027.5	0	N	6	b-	58	75	8	2500	Cu	3	–	3	4
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1031.2	+1	NE	3	o	56	85	5	1500	St	10	–	10	2
Ross-on-Wye	1030.5	+2	N'E	2	b-	51	85	6	800	St	2	ACu	3	•
Benson...	1029.7	+1	NNE	3	o	50	92	6	1500	St	10	–	10	•
Andover	1029.5	0	NE	3	b-	51	92	7	2500	StCu	2	–	2	•
S. Farnborough ...	1029.3	+2	NNW	2	o+	50	97	6	1500	St	10	–	10	•
London (Kew Obsy.) ...	1029.4	+1	N	2	o-	52	85	6	4000	StCu	10	–	10	•
Croydon	1028.8	+1	N'E	2	o	51	92	5	800	St	10	–	10	•
Clacton-on-Sea ...	1027.7	+1	N	3	c	52	92	6	7250	StCu	7	–	7	0
Shoeburyness	1028.1	0	NNE	3	c	53	85	7	–	–	0	ACu	8	0
Grain	1027.7	0	N	5	c	53	85	7	4000	StCu	8	–	8	•
Lympne	1027.1	+1	N'W	4	o	53	97	7	800	St	10	–	10	•
Scilly (St. Mary's) ...	1028.7	0	NE	1	fo-	57	97	3	225	St	10	–	10	3
Falmouth (Pendennis)	1030.1	+2	N	2	b	55	92	5	–	–	0	–	0	0
Plymouth (Cattewater)	1029.2	+2	–	0	mbc	54	85	5	2500	Cu	5	–	5	0
Portland Bill	1027.5	0	NE	4	b-	56	75	7	–	–	0	CiCu	3	3
Southampton (Calshot)	1029.0	+2	NNE	3	b-	52	85	7	2500	StCu	1	CiSt	2	0
Dungeness ...	1026.3	0	NNE	3	c	53	97	7	–	–	0	ACu	7	3
Jersey -7h }	1026.8	0	NNE	2	c	59	75	8	–	–	0	ACu	8	1
Guernsey 1h }														

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 6-7th °F.	Temperature. Max. Day. 7th °F.	Rainfall.† Night 17h.-9h. 6-7th mm.	Rainfall.† Day 9h.-17h. 7th mm.	Sunshine. Sunrise to 17h. 7th hr.	Sunshine. Sunrise to Sunset. 6th hr.
Banff	bcb	bbcc	42	59	-	-	7.7	11.9
Montrose	-	-	42	58	-	-	6.9	9.0
Llandudno	o	o	45	62	-	-	0.3	0.0
Colwyn Bay ...	c	c	51	62	-	-	0.8	0.0
Rhyl...	c	bcco	49	62	-	-	1.2	0.0
Southport	oc	cbcbc	55	64	-	-	2.5	3.2
Blackpool	oc	bc	55	64	-	-	1.9	4.9
Harrogate	om	oc	51	60	0.2	-	1.2	0.0
Skegness	ofb	bo	50	61	-	-	7.6	5.6
Aberystwyth ...	moc	o	56	62	-	-	0.0	0.2
Bath	mo	obcbz	55	65	0.3	-	1.0	2.6
Leamington Spa ...	o	cbz	55	65	2	-	3.5	5.1
Lowestoft	b	b	46	62	-	-	10.6	8.8
Felixstowe	bcb	bv	47	64	-	-	11.0	11.2
Southend	b	b	49	67	-	-	10.1	10.2
Paignton	wombcor	bc	55	62	-	2	0.8	4.9
Ilfracombe	oz	oz	57	62	-	-	0.0	2.4
Bude	ozo	o	49	64	-	-	0.0	0.8
Penzance	bcz	coz	54	65	-	-	2.4	4.8
Falmouth Observatory	om	om	55	63	-	-	0.0	5.0
Torquay	coro	cobc	58	60	-	1	1.0	5.4
Weymouth	oco	c	53	65	-	0.3	1.7	2.5
Bournemouth ...	b	b	50	67	-	-	6.0	4.5
Portsmouth (S'thsea)	bc	bc	50	68	-	-	6.1	0.8
Worthing	bbc	bc	47	69	-	-	9.7	4.0
Brighton	bc	bcc	48	68	-	-	9.8	5.5
Eastbourne	b	bbc	50	66	-	-	9.1	8.9
Hastings	bbcc	cbcb	50	67	-	-	8.6	9.0
Folkestone	bco	obc	51	65	-	-	4.6	9.7
Tunbridge Wells ...	b	bcb	41	68	-	-	10.3	8.9
Ramsgate	bco	b	53	67	-	-	6.5	9.6
Margate	o	b	58	62	-	-	5.3	5.7
Deal	ochcb	b	47	66	-	-	5.2	8.8

* 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.22206 Saturday, 9th September 1922.

Observations at 1300 G.M.T. 8th.

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1032.5	+2	NNE	5	bcpr₀	50	75	7	2500	Cu	5	-	5	·
Stornoway	1034.9	+2	NE	4	c	54	92	5	4000	Cu	7	-	7	·
Wick	1033.4	+2	NE	4	bc-	52	75	8	5700	Cu	6	-	6	·
Castlebay	1034.3	+1	NNE	3	b/f	57	88	8	2500	StCu	3	·	3	·
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen	1032.8	+2	NNE	4	c	54	75	8	4000	Cu	8	-	8	·
Malin Head	1033.7	0	NW	4	o	57	92	7	800	St	10	·	10	·
Renfrew	1030.9	-2	WNW	3	bc	67	65	8	4000	Cu	4	-	4	·
Edinburgh (Inchkeith)	1031.3	-1	ENE	3	o/f	56	75	8	-	StCu	10	·	10	·
Leuchars	1032.4	+3	NNW	4	o	56	65	8	2500	StCu	10	-	10	·
Eskdalemuir	1030.6	0	N'E	3	o	61	75	8	2500	StCu	10	-	10	·
Tynemouth	1025.3	0	N	1	o	58	75	6	4000	StCu	10	-	10	·
Blacksod Point														·
Donaghadee	1032.5	0	NNE	2	o	57	92	8	·	-	0	ASt	10	·
Birr Castle	1033.9	·	NW	1	c/f	60	85	8	4000	Cu	6	CiCu	8	·
Collinstown	1034.0	-1	N	3	o	60	92	7	1500	StCu	10	·	10	·
Holyhead	1032.1	0	N'W	4	o	58	92	8	450	Cu	10	-	10	·
Liverpool (Bidston)	1030.8	-1	NW'W	2	c+	59	75	7	2500	St	8	-	8	·
Chester (Shotwick)	1029.9	-1	WNW	5	o	62	75	7	—	-	0	a Cu	9	·
Spurn Head	1029.8	0	N	4	c	59	75	6	2500	StCu	8	·	8	·
Nottingham	1029.6	·	NNE	1	o	61	65	7	2500	Cu	1	CiSt	9	·
Cranwell	1029.6	-2	N'E	3	o	60	75	6	2500	Cu	5	ACu	9	·
Gorleston	1027.1	0	N	5	c+	60	75	8	4000	Cu	4	ACu	8	·
Valencia (Cahirciveen)														·
Roches Point	1032.6	0	N	2	c+	66	65	8	-	·	0	CiSt	7	·
Pembroke (St. Ann's H.)	1031.3	0	NE	4	b	63	75	7	2500	Cu	3	·	6	·
Ross-on-Wye	1029.8	-1	N	3	bc	62	65	7	4000	Cu	5	ACu	5	·
Benson	1028.8	-1	NNE	3	bc	62	65	8	·	Cu	5	-	6	·
Andover	1029.0	0	NNE	4	bc	62	65	8	2500	Cu	6	·	6	·
S. Farnborough	1028.3	-1	N	3	bc-	62	55	8	4000	Cu	6	-	6	·
London (Kew Obsy.)	1028.7	-2	N	3	c	60	65	7	4000	StCu	7	ACu	8	·
Croydon	1028.1	-2	N'E	3	bc+	63	55	8	2500	Cu	6	·	6	·
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Shoeburyness	1027.6	0	NNE	2	o+	63	55	8	2500	Cu	9	·	9	·
Grain	1027.4	-1	NNE	4	o+	65	45	8	4000	StCu	9	·	9	·
Lympne	1026.9	-2	N'E	5	bc+	62	65	8	4000	Cu	4	·	4	·
Scilly (St. Mary's)	1029.7	0	ENE	1	mb-	62	92	6	·	·	0	-	0	·
Falmouth (Pendennis)	1029.7	-2	E	3	bc+	63	65	6	4000	Cu	5	·	5	·
Plymouth (Cattewater)	1029.4	-1	ENE	3	b	63	55	7	4000	StCu	2	·	2	·
Portland Bill	1028.5	+1	NE	4	b	61	75	7	·	·	0	CiCu	2	·
Southampton (Calshot)	1028.7	-2	NE	4	b-	65	65	8	2500	Cu	1	·	1	·
Dungeness	1026.3	+1	NE	4	b	64	85	8	2500	Cu	3	·	3	·
Jersey 7h / Guernsey 1h	1026.8	0	NE	3	bc	63	65	8	4000	StCu	4	·	4	·

Observations at 1800 G.M.T. 8th.

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1033.5	+1	NNE	5	bcpr₀	47	75	7	4000	CuNb	5	-	5	4
Stornoway	1035.4	+1	NE	4	bc-	50	65	6	·	·	0	ASt	4	2
Wick	1034.4	+1	NNE	4	bc	50	65	8	5700	Cu	4	Ci	6	3
Castlebay	1034.6	0	NNE	4	bc-	54	85	8	2500	Cu	1	ASt	3	3
Nairn	1034.9	·	ENE	2	bc-	49	75	8	4000	Cu	2	ACu	4	·
Aberdeen	1033.6	+1	N	3	b-	48	75	8	4000	Cu	1	·	1	0
Malin Head	1033.5	0	N	3	o/r	55	97	6	800	StCu	9	-	9	2
Renfrew	1032.5	+2	E	3	o	56	75	6	4000	St	9	-	9	·
Edinburgh (Inchkeith)	1032.0	+1	ENE	3	o	52	75	8	-	StCu	5	ACu	10	3
Leuchars	1032.8	+1	NNE	3	b-	53	65	8	4000	StCu	3	·	3	·
Eskdalemuir	1032.4	+1	NNE	4	o	49	85	8	1500	StCu	10	·	10	·
Tynemouth	1030.6	0	N	5	bc	53	85	7	4000	CuNb	6	-	6	6
Blacksod Point														·
Donaghadee	1031.1	-1	NW	2	bc-	57	85	8	·	·	0	ACu	5	0
Birr Castle	1033.0	·	NNW	1	o+	60	85	7	4000	StCu	9	-	9	·
Collinstown	1033.0	-1	NW	2	o	60	85	7	2500	StCu	10	·	10	·
Holyhead	1030.5	-1	N'W	4	o	57	92	8	1500	StCu	2	ACu	10	2
Liverpool (Bidston)	1029.8	-1	NW'W	3	o+	57	92	8	2500	St	10	-	10	3
Chester (Shotwick)	1028.9	-1	WNW	4	o-	58	85	6	800	St	7	ACu	9	·
Spurn Head	1028.2	-1	NNW	6	c+	56	85	7	2500	St	8	·	8	5
Nottingham	1028.6	·	NE	1	o	59	75	6	2500	StCu	10	·	10	·
Cranwell	1026.0	0	NE'N	3	o	58	75	6	2500	St	10	·	10	·
Gorleston	1026.8	0	N'W	4	c+	57	75	7	4000	CuNb	7	-	7	1
Valencia (Cahirciveen)														·
Roches Point	1032.1	0	NNE	1	c	63	75	8	4000	StCu	4	CiCu	7	0
Pembroke (St. Ann's H.)	1030.5	0	NNE	4	bc+	56	85	7	2500	StCu	5	-	5	·
Ross-on-Wye	1028.8	-2	NNE	2	o+	61	75	6	800	St	8	ACu	10	·
Benson	1027.9	-1	N	2	o	59	75	7	-	St	8	·	8	·
Andover	1028.2	0	·	0	o+	59	75	7	2500	St	10	·	10	·
S. Farnborough	1026.7	0	N	2	o+	60	75	8	1500	St	2	ACu	10	·
London (Kew Obsy.)	1027.8	0	N	3	o+	59	75	6	5700	StCu	5	ACu	9	·
Croydon	1027.6	0	N	3	o+	58	65	6	2500	StCu	10	·	10	·
Clacton-on-Sea	1026.9	0	N	3	c	60	65	7	4000	StCu	7	-	7	0
Shoeburyness	1027.3	+1	N	4	o	61	65	8	2500	StCu	4	ACu	9	3
Grain	1026.7	0	NNE	3	c	57	85	7	1500	Cu	5	ACu	7	·
Lympne														
Scilly (St. Mary's)	1029.6	0	NNE	3	c-	59	85	6	4000	StCu	7	-	7	3
Falmouth (Pendennis)	1029.6	0	-	0	b-	58	85	7	5700	Ci	3	·	3	0
Plymouth (Cattewater)	1028.8	-1	NE	2	c+	63	55	7	-	-	0	ACu	7	0
Portland Bill	1028.0	-1	N	3	b+	61	75	7	·	·	0	ACu	5	3
Southampton (Calshot)	1027.9	-1	NNE	2	bc+	62	65	6	4000	StCu	3	ACu	6	·
Dungeness	1026.3	-1	ENE	4	c+	60	85	8	4000	Cu	7	-	7	4
Jersey 7h / Guernsey 1h	1027.6	0	NE	3	b	61	65	8	·	·	0	ACu	7	2

London Observations. (24 Hours ended 0900 G.M.T. 9th; 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	cmc	com	omoobc	·	·	42	~	–	3.7	·	·
Croydon (24 hours ended 0700)	om3bo3	bcoy3	o3cbc	·	·	45	–	~	5.4	·	·
Greenwich (Royal Obsy.)	oc	cbc	obcc/fo	66	46	41	~	-	6.2	40?	71
City (Bunhill Row)	·	·	·	·	·	·	·	·	5.7	·	·
Westminster (St. James' Pk.)	·	·	·	67	48	*	–	–	6.2	60	64
Regent's Pk. (Botanic Gdns).	·	·	·	·	·	·	·	·	4.5	·	·
Camden Square	c	b	·	66	46	43	–	–	·	·	69
Kensington Palace	bcc	co	·	65	47	42	~	–	·	69 18h	73
Hampstead Observatory	·	·	·	61	44	38	-	~	4.5	·	75

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 8th.

South Kensington Max.	Time.	Min.	Time.
1.0	22h. 7th	<0.3	1-6h 8th
0.6	9h. 8th		

Kew Observatory Max.	Time.	Min.	Time.
0.5	23h. 7th	<0.3	3h. 8th
0.3	7h. 8th		

Solar Radiation. Vertical component per square centimetre.

During yesterday. South Kensington.

Total — joules

Average Rate — Milliwatts.

Maximum Rate — Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 8th 19 h 30 m. to 9th 04 h 30 m.

Stars.	Exposure h. m.	Record h. m.	Record %
Polaris	9. 0	4.30	50
δ Ursae Minoris	9.0	3.46	42

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	5	-	150
18h.				
01h.	GC₂	8	–	130
07h.	C	7	-	125

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 9th & 10th September, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.17 / 5.19	11.50 / 11.50	6.23 / 6.21
Greenwich	5.26 / 5.28	11.57 / 11.57	6.28 / 6.26
Wick	5.30 / 5.32	12.9 / 12.9	6.48 / 6.46
Valencia	6.6 / 6.8	12.38 / 12.38	7.10 / 7.08

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.
: dust haze; the turbid atmosphere of dry weather.

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

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

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

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

Sea Disturbance.

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

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

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

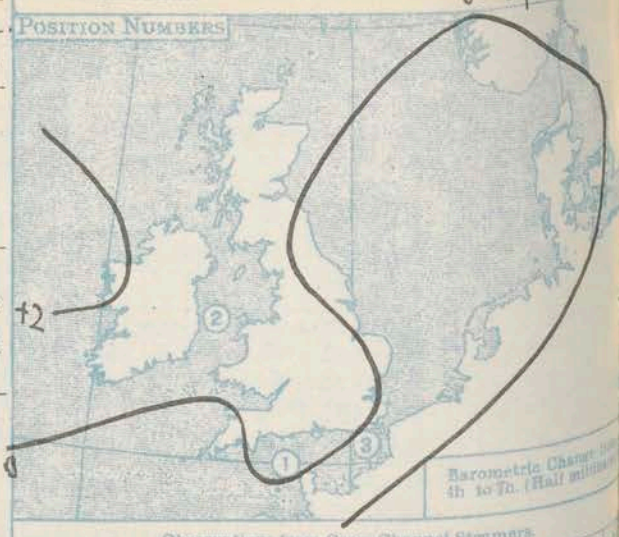
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 8h.	WEATHER. 13h.-18h. 8h.	WEATHER. 18h. 8h. to 1h. 9h.	WEATHER. 1h.-7h. 9h.	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	p	p	bbc	bbc	51	42	•	0.4	–	L0800	–	•
Stornoway	c	c	bbc	c	55	38	•	–	–	–	–	10.0
Wick	c	c	o	o	53	45	•	–	–	–	–	•
Castlebay	dsfbc	c-bc	bcb	bc	57	46	•	0.4	–	?	–	6.3
Nairn	cq	bc	cq	cq	57	43	•	0.1	–	0900	–	2.0
Aberdeen	irocc	b-bc	bbc	bcb	57	41	38	Trace	–	L0800	–	3.6
Malin Head	oo	olmd	bcv	bbc	58	48	•	0.1	–	1630	–	3.0
Renfrew	omcbc	auruz	oc3	bcx	68	36	26	•	–	–	–	4.2
Edinburgh (Inchkeith)	f-m	oo	c	c	60	45	40	•	–	–	–	0.8
Leuchars	dprd	c			63			1	•	11.00		
Eskdalemuir	bo	oo	oc	cb	60	38	35	–	–	•	–	0.4
Tynemouth	om	ocq	coq	cpoq	60	48	44	–	Trace	–	01.30	•
Blacksod Point ...				r	60	40	•		0.2		–	•
Donaghadee	o	cbc	cq	c	59	49	•	–	–	–	–	•
Birr Castle	offoc	co	co	co	62	51	49	–	–	–	–	•
Collinstown	oo	oo	•	o	62	50	*	–	–	–	–	3.1
Holyhead	cbco	ocobcc	ococm	comcby	59	49	45	–	–	–	–	6.2
Liverpool (Bidston) ...	bcc	c	bcb		59	44	37	–	–	–	–	3.2
Chester (Shotwick) ...	rtfcom	oom	oorom	obb3	62	39	31	–	Trace	–	2200	•
Spurn Head	c	c	c	c	60	49	*	–	0.2	–	0630	3.2
Nottingham	c	oo	oc	c	62	45	43	–	–	–	–	1.1
Cranwell	oo	oo	ombc	bbc	62	43	38	–	–	–	–	0.0
Gorleston	bcc	c	coqpr.	coqpr	62	51	47	–	0.4	–	01.30	7.5
Valencia (Cahirciveen)								–		–		•
Roches Point	bbcc	c					•	–	–	–	–	8.0
Pembroke (St. Ann's H.)	c	b-bc	o	c	63	54	•	–	–	–	–	6.0
Ross-on-Wye	cmocbc	bcoczoz	mog	oco	65	49	46	–	–	–	–	•
Benson...	oc	bcc	bc	bc	63	45	42	–	–	–	–	8.7
Andover	bbc	bbcco	ooc		65	48	46	–	–	–	–	3.7
S. Farnborough ...	ombc	bcyoo	ocdbc		64	?	43	–	–	–	–	3.7
London (Kew Obsy.)...	cmc	com	omo	obcm	62	47	42	–	–	–	–	4.4
Croydon	omzbcy	bcoyz	o3c	cbc	64	46	42	–	–	–	–	5.9
Clacton-on-Sea ..	cbcc		c	c	66	47	44	–	–	–	–	4.8
Shoeburyness	c		c	c	67	49	42		–		–	4.9
Grain	cbcc	oo	oobbc	bcco	64	47	43	–	–	–	–	5.4
Lympne	ocbc	bcobqPR	cocbc		63	48	45	Trace	–	1630	–	
Scilly (St. Mary's) ..	fb	c	cmb	c	66	54	•	–	–	–	–	7.6
Falmouth (Pendennis)	bbcz	bcz	bbcm	omdm	63	55	•	–	0.3	–	0430	9.7
Plymouth (Cattewater)	b-bc	b-bc	of	bbc	65	54	46	–	0.2	–	0330	10.4
Portland Bill	b-bc	c	c	o	63	52	•	–	–	–	–	•
Southampton (Calshot)	b-bc	b-bc	o	o	66	51	51	–	–	–	–	10.2
Dungeness ..	b-bc	c	c	bbc	65	47	•	–	–	–	–	•
Jersey 7h } ..	ocb	bcb	c	b	64	55	•	–	–	–	–	7.5
Guernsey 1h }												

ISALLOBARS. 9th September

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	8th. 10h.	Cambria	N	5	bc	55	55
1	8th. 12h.	Reindeer	NE	5	b	58	60
3	9th. 2h.	Dieppe	N	4	b	57	60

GENERAL INFERENCE.

The anticyclone off the Hebrides will probably move Sou[illegible] For the next day or two Norther[illegible] winds are probable over the Southern half of the Kingdom and NW winds in the north backing to W. The weather will be mainly f[illegible] but cloudy and cold at first on the East Coast with local showe[illegible]

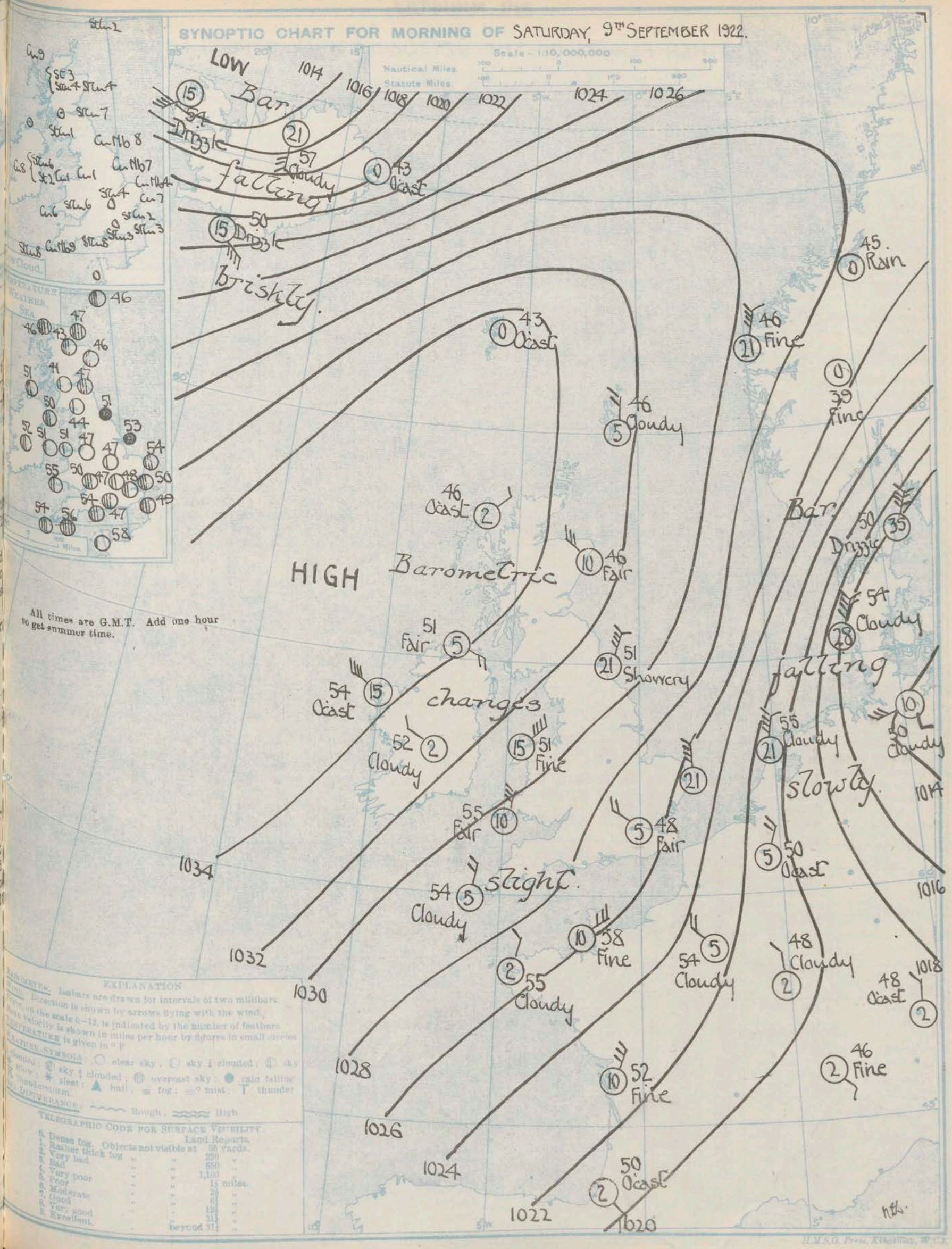
Forecasts for the 24 hours commencing 15 h. G.M.T. Saturday 9th, September, 1922.

Districts.	Forecast	Further Outlook
1. S.E. England 2. E. England 3. E. Midlands	Moderate to fresh Northerly winds; mainly fair but cloudy cloudy at times, with some showers on the East Coast; visibility good; rather cold.	Becoming unsettled after a day or two in the West of Scotland and North of Ireland but, mainly fair elsewhere.
4. W. Midlands 5. S.W. England 6. South Wales	Moderate Northerly winds; fair; visibility good; moderate temperature.	
7. North Wales 8. N.W. England 9. N. Midlands	Moderate Northerly wind, backing to NW; fair; visibility good; moderate temperature.	
10. N.E. England 11. E. Scotland	Same As 1 - 3.	
12. S.W. Scotland 13. Isle of Man	Light or moderate Northerly winds. backing to NW; fair, visibility good; moderate temperature.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Light to moderate Northerly wind, backing to NW or W; Fair to cloudy; visibility good; moderate temperature.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as 4 - 6.	

E.V.N

Meteorological Office; Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.30 GMT. G. C. SIMPSON, F.R.S., Director.

* See Code on opposite page.


SYNOPTIC CHART FOR MORNING OF SATURDAY, 9TH SEPTEMBER 1922.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
Bar
falling
briskly.
HIGH
Barometric
changes
slight.
Bar
falling
slowly.
1014
1016
1018
1020
1022
1024
1026
1028
1030
1032
1034
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: Clouded: clear sky; sky ¼ clouded; sky ½ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY
Land Reports.
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.S.O. Press, Kingsway, W.C.2.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Saturday, 9th September.....1922. No. 252.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1033.4	0	NNE	2	b	48	85	7	5750	Cu	1	ACu	3	•
Stornoway	1036.1	0	–	0	b⁻	•	•	7	•	•	•	•	•	•
Wick	1034.2	-1	N	3	c⁻	47	85	8	2500	CuNb	8	–	8	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1033.3	-1	N	4	b	53	92	8	–	–	0	ACu	3	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1033.3	0	N	3	b⁻	45	75	8	–	–	0	CiCu	2	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1031.2	-1	N	5	o	51	89	7	4000	Cu	7	ACu	10	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1033.4	0	N	3	o	53	92	6	2500	StCu	10	–	10	•
Holyhead	1030.6	0	NE	4	bc⁻	54	85	6	2500	StCu	2	ACu	6	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1027.9	-1	N'E	6	c	50	92	8	4000	StCu	5	CiSt	7	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1029.8	0	N	4	bc⁻	46	97	7	4000	StCu	3	ACu	5	•
Gorleston	1025.0	-2	N	6	oPR	54	85	7	4000	CuNb	8	CiSt	10	•
Valencia (Cahirciveen)														•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1030.2	0	NNE	3	o	56	85	8	4000	StCu	10	–	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	51	•	•	•	•	•	•	•	•
Croydon	1028.0	0	N	3	c	52	85	7	2500	Cu	7	–	7	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1026.1	-1	N'W	4	bc	51	92	7	5750	StCu	5	–	5	•
Scilly (St. Mary's) ...	1029.6	0	NE	2	b	55	92	7	4000	StCu	1	–	1	•
Falmouth (Pendennis)	1029.4	-2	N	3	bc⁺	55	92	6	3750	Cu	6	–	6	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1028.7	+2	ENE	2	bc	58	85	6	4000	?	6	–	6	•
Southampton (Calshot)	1029.7	0	NNE	2	o	55	85	8	5750	StCu	10	–	10	•
Dungeness	1026.2	0	NNE	2	b⁻	53	85	8	–	–	0	ACu	2	•
Jersey (7h)	1027.1	-1	NNE	4	o	58	85	7	4000	St	3	ACu	9	•
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1033.2	0	NNE	2	c⁺	46	75	7	7250	StCu	4	ACu	8	1
Stornoway	1035.0	0	NE	1	o	46	85	5	4000	Cu	9	–	9	1
Wick	1033.8	0	NNW	3	o	47	75	8	5750	StCu	10	–	10	3
Castlebay	1034.1	0	NW	2	bc	48	85	8	2500	StCu	6	–	6	1
Nairn	1034.3	•	–	0	c⁺	43	85	8	1500	StCu	7	–	7	•
Aberdeen	1033.1	+1	NNW	3	bc	46	75	8	4000	StCu	4	–	4	0
Malin Head	1032.9	0	ESE	2	bc	51	85	7	–	–	0	ACu	4	2
Renfrew	1033.9	0	W	1	b⁺	41	92	7	–	–	0	Ci	2	•
Edinburgh (Inchkeith)	1032.7	0	N	3	c⁺	47	75	8	–	StCu	7	–	7	2
Leuchars														•
Eskdalemuir	1032.7	0	NW	3	b	44	85	7	2500	StCu	1	–	1	•
Tynemouth	1030.2	-1	NNE	5	cpr	51	75	7	4000	CuNb	8	–	8	4
Blacksod Point ...	1034.8	+2	NW	4	mo⁻	54	55	7	–	–	0	ASt	10	3
Donaghadee	1033.2	+1	ESE	2	c⁻	50	75	8	4000	StCu	3	ACu	7	1
Birr Castle	1032.7	•	NW	1	c⁻	52	92	7	4000	Cu	8	–	8	•
Collinstown	1033.3	0	NE	3	c	51	92	7	2500	StCu	10	–	10	•
Holyhead	1031.3	+2	NE	4	b⁻	51	75	9	2500	Cu	1	Ci	2	1
Liverpool (Bidston) ...	1031.4	-1	NE'N	2	b	47	75	9	2500	Cu	1	–	1	2
Chester (Shotwick) ...	1030.3	0	N	2	b	44	85	5	–	–	0	–	0	•
Spurn Head	1027.1	0	N	7	cPR	53	75	7	4000	CuNb	7	ACu	8	5
Nottingham	1028.9	•	N	2	b⁺	47	85	6	–	–	0	ACu	2	•
Cranwell	1027.5	-1	NNW	4	bc⁺	45	92	6	4000	StCu	4	ACu	5	•
Gorleston	1024.1	-1	N	5	bc⁻	54	92	7	4000	CuNb	4	ACu	6	4
Valencia (Cahirciveen)														•
Roches Point														•
Pembroke (St. Ann's H.)	1029.8	-1	NE	3	bc⁻	55	85	7	2500	Cu	6	–	6	1
Ross-on-Wye	1029.9	0	N'E	3	c⁻	50	75	7	4000	StCu	6	ACu	8	•
Benson...	1028.0	0	NNW	3	bc	47	85	8	–	–	0	ACu	5	•
Andover	1028.4	0	NNE	3	c⁻	49	75	8	4000	StCu	1	ACu	7	•
S. Farnborough ...	1027.7	-1	NNW	2	bc⁺	47	92	8	–	–	0	ACu	6	•
London (Kew Obsy.) ...	1027.8	0	N'W	2	bc	48	75	6	4000	StCu	2	ACu	5	•
Croydon	1027.3	0	N'W	3	c⁺	47	85	7	7250	StCu	4	ACu	7	•
Clacton-on-Sea ...	1025.4	0	NNW	3	c	50	75	7	4000	Cu	7	–	7	0
Shoeburyness	1025.8	0	N	3	c	51	75	7	–	–	0	ACu	8	-
Grain	1026.1	-1	NW	4	o⁺	56	85	8	2500	StCu	7	ACu	9	0
Lympne	1025.0	0	N'W	5	c	48	85	8	4000	StCu	3	ACu	8	•
Scilly (St. Mary's) ...	1028.4	-1	NNE	2	c⁻	57	92	7	4000	StCu	8	–	8	4
Falmouth (Pendennis)	1028.6	-2	NNE	2	o/r	56	97	6	4000	CuNb	9	–	9	0
Plymouth (Cattewater)	1028.2	0	–	0	mo⁻	55	92	5	1500	StCu	10	–	10	0
Portland Bill	1028.7	0	ENE	4	c⁺	54	85	7	1500	StCu	8	–	8	3
Southampton (Calshot)	1027.7	0	N	3	o	51	85	7	7250	StCu	3	ASt	9	0
Dungeness	1024.7	-2	N	4	c⁺	49	92	7	–	–	0	Ci	7	0
Jersey (7h)	1026.1	0	NE	3	b	58	75	8	–	–	0	CiCu	2	2
Guernsey (1h)														

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 7th. °F.	Temperature. Max. Day. 8th. °F.	Rainfall.† Night 17h.-9h. 7th.-8th. mm.	Rainfall.† Day 9h.-17h. 8th. mm.	Sunshine. Sunrise to 17h. 8th. hr.	Sunshine. Sunrise to Sunset. 7th. hr.
Banff	cbc	bcc	50	56	0.4	-	5.2	8.1
Montrose	•	•	46	60	-	0.1	2.6	7.3
Llandudno	bcc	co	42	61	-	-	3.3	0.3
Colwyn Bay ...	c	c	49	61	-	-	5.0	0.8
Rhyl	mcbc	cbcc	43	61	-	-	2.5	1.2
Southport	ccb	coc	45	60	-	-	2.2	2.5
Blackpool	b	c	43	61	-	-	2.3	1.9
Harrogate	coco	o	46	60	-	-	0.8	1.2
Skegness	ocb	bco	45	60	-	-	2.5	7.6
Aberystwyth ...	cbb	b	49	62	1	-	6.5	0.0
Bath	bcb	bccom	48	64	-	-	5.4	1.0
Leamington Spa ...	c	cboz	49	62	-	-	4.1	3.5
Lowestoft	bbccb	cobcc	53	62	-	-	7.2	11.7
Felixstowe	b	o	50	66	-	-	6.6	11.8
Southend	bcc	bcc	49	66	-	-	5.8	11.2

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 7th. °F.	Temperature. Max. Day. 8th. °F.	Rainfall.† Night 17h.-9h. 7th.-8th. mm.	Rainfall.† Day 9h.-17h. 8th. mm.	Sunshine. Sunrise to 17h. 8th. hr.	Sunshine. Sunrise to Sunset. 7th. hr.
Paignton	bm	bccbc	49	63	-	-	10.3	0.9
Ilfracombe	cbcb	bbcc	54	65	-	-	7.1	0.0
Bude	ownb	b	49	65	-	-	10.0	0.0
Penzance	bcb	b	54	69	-	-	9.3	2.4
Falmouth Observatory	bc	b	53	66	-	-	8.7	0.3
Torquay	b	b	52	64	-	-	10.5	1.0
Weymouth	cbc	bcc	49	66	-	-	10.1	1.7
Bournemouth ...	b	b	47	65	-	-	10.3	6.1
Portsmouth (S'thsea)	b	b	50	66	-	-	10.9	6.6
Worthing ...	b	bc	49	64	-	-	10.9	9.7
Brighton	bbc	bc	49	66	-	-	7.5	10.3
Eastbourne	cbc	bcc	50	67	-	-	6.1	9.9
Hastings	ocbcc	cbcco	50	65	-	-	5.0	10.1
Folkestone	o	c	57	64	-	-	4.5	4.8
Tunbridge Wells ...	ocbc	bbco	46	67	-	-	5.5	11.2
Ramsgate	ocbc	bcc	53	62	-	-	4.8	7.3
Margate	ocb	cbcb	56	60	-	-	4.3	6.0
Deal	oc	bcb	51	65	-	-	3.6	6.1

* 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.222.C.Y. SUNDAY, 10th SEPTEMBER, 1922.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1031.8	-2	NNE	2	o	49	65	Y	5,Y00	St Cu	2	A Cu	9	*
Stornoway	1032.Y	12	SE	1	b-	53	65	6	4000	Cu	2	-	2	*
Wick	1032.1	-2	NNW	3	o	50	65	8	5Y00	St Cu	10	-	10	*
Castlebay	1032.Y	-1	SSE	3	b	55	65	8	-	-	o	A St	3	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1031.6	-1	NNW	4	c	52	65	8	4000	St Cu	Y	-	Y	*
Malin Head	1031.6	-1	ESE	3	b	54	85	Y	4000	Cu	1	Ci	2	*
Renfrew	1031.Y	-2	NE	2	c	54	55	9	5Y00	St Cu	8	-	8	*
Edinburgh (Inchkeith)	1031.8	-3	E	2	o+	54	55	8	*	St Cu	9	-	9	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1031.1	-2	N	4	bc	50	65	8	4000	St Cu	5	-	5	*
Tynemouth	1029.6	-1	NNE	4	c/r	49	85	Y	4000	Nb	8	-	8	*
Blacksod Point														*
Donaghadee														*
Birr Castle	1031.4	-2	NE	2	b	56	65	8	5Y00	Cu	1	A Cu	2	*
Collinstown	1031.4	*	NW	1	o+	54	65	8	2500	Cu	Y	Ci Cu	9	*
Holyhead	1032.5	-2	NNE	3	c-	56	Y5	8	2,500	St Cu	Y	-	Y	*
Liverpool (Bidston)	1030.Y	-1	NNE	4	o	55	Y5	9	4000	Cu	8	-	8	*
Chester (Shotwick)	1029.4	-2	N	2	bc+	55	55	8	2500	St Cu	6	-	6	*
	1028.Y	-2	N	3	c+	55	55	6	4000	Cu	Y	Ci	8	*
Spurn Head	1025.2	-2	NNW	Y	c	55	Y5	Y	4000	Cu Nb	8	-	8	*
Nottingham	1024.6	*	N	3	bc-	55	65	Y	800	Cu Nb	5	-	5	*
Cranwell	1024.0	-1	N'E	5	c	55	55	8	2500	St Cu	8	-	8	*
Gorleston	1025.6	-1	N'W	6	c+	54	65	Y	4000	Cu Nb	7	-	Y	*
Valencia (Cahirciveen)														*
Roches Point	1030.1	-1	N	2	c	63	Y5	8	4000	St Cu	5	Ci	Y	*
Pembroke (St. Ann's H.)	1028.9	-1	NE	3	bc	54	65	8	4000	Cu	2	Ci	4	*
Ross-on-Wye	1028.0	-2	N	3	bc	56	55	8	4000	St Cu	5	Ci	6	*
Benson	1026.0	-2	N	4	bc	56	89	6	225	St Cu	5	-	5	*
Andover	1026.9	-1	NE	4	c-	55	65	8	4000	St Cu	Y	A Cu	8	*
S. Farnborough	1026.3	-2	N	3	o+	54	65	8	4000	St Cu	9	-	9	*
London (Kew Obsy.)	1026.0	-1	N	4	o	55	65	Y	2500	St Cu	10	-	10	*
Croydon	1025.9	-1	N'W	3	o/r	54	65	6	4000	St Cu	10	-	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1024.Y	0	N	4	o-	54	65	9	2500	Cu	9	-	9	*
Grain	1024.Y	-2	NNW	4	o/r	54	65	8	2500	St Cu	8	-	8	*
Lympne	1024.1	-2	N	5	c/p	56	75	6	2500	Nb	6	A Cu	10	*
Scilly (St. Mary's)	1026.9	-2	NNE	3	bc	62	Y5	Y	4000	St Cu	4	-	4	*
Falmouth (Pendennis)	1028.1	-2	ESE	4	opr.	54	85	Y	4000	Nb	10	-	10	*
Plymouth (Cattewater)	1024.1	-2	ENE	3	o-	58	Y5	Y	1500	St Cu	10	-	10	*
Portland Bill	1026.Y	-3	ENE	5	bc-	59	75	Y	-	-	o	Ci Cu	4	*
Southampton (Calshot)	1026.5	-2	N	4	c+	58	65	8	4000	St Cu	Y	-	Y	*
Dungeness	1024.0	-2	NE	4	c	54	75	8	1500	Cu	Y	-	Y	*
Jersey 7h	1024.9	-1	NE	3	o	56	65	8	4000	St Cu	10	-	10	*
Guernsey 1h														

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1029.4	-2	NNW	2	bc	49	Y5	Y	-	-	0	A Cu	5	1
Stornoway	1030.0	-2	SE	1	b	50	Y5	9	-	-	0	-	0	0
Wick	1030.2	-3	NNW	3	o-	49	Y5	8	5,Y00	St Cu	8	Ci Cu	10	1
Castlebay	1030.5	-2	S	1	b	52	Y5	8	4000	St Cu	2	-	2	1
Nairn	1030.4	*	-	0	bc-	48	Y5	8	-	-	0	Ci	5	*
Aberdeen	1030.Y	-1	NNW	2	c	48	Y5	8	4000	St Cu	8	-	8	0
Malin Head	1030.1	-3	NE	2	b	53	85	8	-	-	0	Ci	3	1
Renfrew	1029.Y	-2	-	0	c	54	65	8	5Y00	St Cu	Y	-	Y	*
Edinburgh (Inchkeith)	1029.4	-2	E	2	bc	52	Y5	8	*	St Cu	5	Ci	6	2
Leuchars	1029.9	-1	N	3	b	51	65	8	-	-	0	Ci	1	3
Eskdalemuir	1029.8	-1	N	2	b-	49	Y5	8	4000	Cu	2	-	2	*
Tynemouth	1028.3	-1	N	5	o/r	51	85	Y	4000	Cu Nb	Y	A Cu	10	4
Blacksod Point														
Donaghadee														
Birr Castle	1029.5	-2	NE	1	bc	52	Y5	8	-	-	0	Ci	4	0
Collinstown	1029.6	*	NE	1	c-	54	Y5	Y	4000	St Cu	8	-	8	*
Holyhead	1030.Y	-3	NE'E	2	bc+	51	Y5	8	-	-	0	A Cu	6	*
Liverpool (Bidston)	1029.9	-2	NE'N	4	b-	53	Y5	Y	4000	Cu	2	-	2	2
Chester (Shotwick)	1028.1	-1	NNE	3	bc+	53	55	9	2500	St	4	-	4	3
	1024.1	-2	N	3	o	53	65	Y	5Y00	Cu	9	-	9	*
Spurn Head	1024.3	-1	N	Y	opr.	53	85	Y	4000	Cu Nb	8	-	8	6
Nottingham	1026.Y	*	N	3	bc	50	Y5	Y	800	Cu Nb	6	-	6	*
Cranwell	1026.0	-1	N'E	4	bc	50	Y5	8	2500	St Cu	5	-	5	*
Gorleston	1022.3	-1	N	5	or	50	94	Y	2500	Nb	9	-	9	2
Valencia (Cahirciveen)														
Roches Point	1029.3	-1	SE	2	c	56	Y5	8	4000	St Cu	3	Ci Cu	Y	0
Pembroke (St. Ann's H.)	1027.9	-2	NE	3	b	53	65	8	4000	Cu	2	-	2	2
Ross-on-Wye	1026.6	-1	N	2	o+	53	55	8	4000	St Cu	9	-	9	*
Benson	1025.0	-1	N	4	b	52	92	5	-	-	0	-	0	*
Andover	1025.4	-1	NE	4	b-	52	65	8	5Y00	St Cu	2	A Cu	3	*
S. Farnborough	1024.8	-2	NNE	3	c/r	54	55	Y	2500	St Cu	Y	-	Y	*
London (Kew Obsy.)	1024.Y	0	N	4	o	53	65	Y	2500	St Cu	9	-	9	*
Croydon	1024.Y	0	NNE	4	opr.	53	65	Y	2500	Cu Nb	9	-	9	*
Clacton-on-Sea	1022.9	-2	NNW	4	bc	55	Y5	Y	4000	Cu	5	-	5	1
Shoeburyness	1026.8	-1	N	2	bc-	50	Y5	8	4000	Cu	6	-	6	*
Grain	1023.6	-1	NNW	5	c/p	51	Y5	8	2500	St Cu	5	-	8	3
Lympne	1023.0	0	NNW	5	c/p	51	Y5	8	2500	Cu Nb	6	A Cu	Y	*
Scilly (St. Mary's)	1026.0	-1	NE'N	3	b	56	Y5	Y	4000	Cu	2	-	2	4
Falmouth (Pendennis)	1025.9	-3	NE	3	bc-	54	75	6	4000	Cu	6	-	6	0
Plymouth (Cattewater)	1026.0	-1	NNE	3	bc	58	55	Y	2500	St Cu	4	-	4	0
Portland Bill	1024.6	-2	E	4	bc	54	Y5	Y	-	-	0	Ci Cu	4	2
Southampton (Calshot)	1025.1	-1	N'E	3	bc-	56	63	Y	5Y00	St Cu	6	-	6	0
Dungeness	1022.3	-2	NNE	4	c-	55	85	8	-	-	0	-	0	4
Jersey 7h	1023.Y	-1	NE	3	b	54	55	8	-	-	0	A Cu	3	2
Guernsey 1h														

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 10th								YESTERDAY.	TO-DAY.	
Kew	bc m.o	o. bc.o	o.b.mw	*	*	36	-	-	4.5	*	*
Croydon (24 hours ended 0700)	om.cp	o3y.pr	o.c.om	*	*	39	4.	-	4.1	*	*
Greenwich (Royal Obsy.)	c.o	op.bcp	bc.b	60	43	38	-	-	5.4	53	Y6
City (Bunhill Row)	*	*	*	*	*	*	*	*	*	*	*
Westminster (St. James' Pk.)	*	*	*	*	*	*	*	*	*	*	*
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	*	*	*
Camden Square	bc	c	*	59	41	40	-	-	*	*	Y3
Kensington Palace	c	o.c	*	58	43	39	-	-	*	65	Y8
Hampstead Observatory	*	*	*			*				*	

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T.

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre

During yesterday.

South Kensington.

Total ..... joules

Average Rate ..... Milliwatts.

Maximum Rate ..... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 9th ..... h. ..... m. to 10th ..... h. ..... m.

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

RADIO DISTURBANCES (Atmospherics) AT CROYDON.†

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	Y	-	125°
18h.	C	Y	-	100°
01h.	C	8	-	130°
07h.	C	8	-	180°

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

10th & 11th September, 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.19	11.56	6.21
	5.22	11.58	6.18
Greenwich	5.28	11.54	6.26
	5.30	11.54	6.24
Wick	5.32	12.9	6.46
	5.35	12.9	6.43
Valencia	6.8	12.38	4.8
	6.10	12.38	4.6

BEAUFORT NOTATION OF WEATHER.

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

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

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

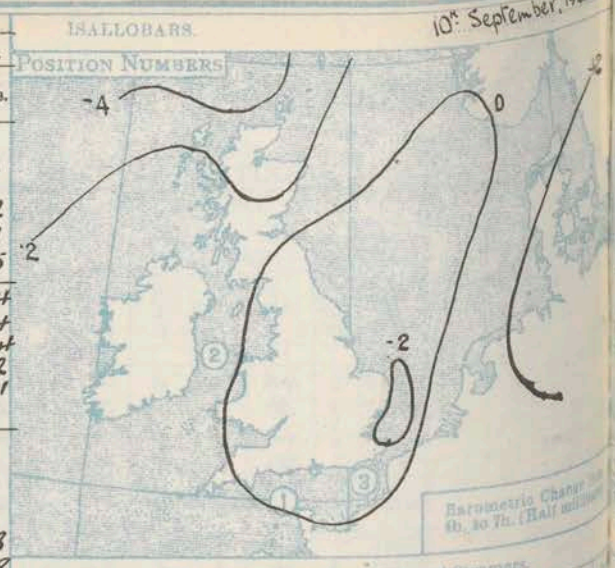
0=no swell } Calm or slight sea.
1=mod. swell } Calm or slight sea.
2=heavy swell } Calm or slight sea.
3=no swell } Moderate sea.
4=mod. swell } Moderate sea.
5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 9h.	13h.-18h. 9h.	18h. 9h. to 1h. 10h.	1h.-7h. 10h.	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	c	b.bc	b.bc	b.bc	50	41	•	-	-	•	-	•
Stornoway	c	b.bc	b.bc	oo	55	40	•	-	-	•	-	8.3
Wick	oo	oo	oo	oo	50	35	•	-	-	•	-	•
Castlebay	c.bc	bc.b	bc	bc.o	55	50	•	-	-	-	-	10.2
Nairn	c.bc		bc	bc	54	35	•	-	-	-	-	6.1
Aberdeen	c	c	c.bc	bc.cm	54	36	30	-	-	-	-	5.5
Malin Head	b.bc	b.bc	b.bc	bcw	56	42	•	-	-	-	-	11.4
Renfrew	ow.bc.cb	o.bc.cvy	b.bcm	c.om	59	31	25	-	-	-	-	9.4
Edinburgh (Inchkeith)	c	c	b.bc	oo	58	43	30	-	-	-	-	6.4
Leuchars	c	b.bc	c		56	33	28	-	-	-	-	8.2
Eskdalemuir	bc.c.bc	c.bc	bc.b	b.bc.b	53	30	24	-	-	-	-	11.1
Tynemouth	cp.q	cp.q	o.cp.q	bm	52	43	40	1	trace	<08.00	<21.00	•
Blacksod Point ...							•					•
Donaghadee	bc	bc	bc	bcw	56	43	•	-	trace	-	-	•
Birr Castle	c.o	c.o	bcxz	c.o.bc	60	37	29	-	-	-	-	?
Collinstown	c	b.bc	bc.c.b	c	56	34	•	-	-	-	-	8.8
Holyhead	cv	o.bc.b	b.bc.b	b.bv	56	46	41	-	-	-	-	11.8
Liverpool (Bidston) ..	b.bc	bc	b.bc		54	42	34	-	-	-	-	9.4
Chester (Shotwick) ...	b.bc.c	c.o	o.c.b		54	34	24	-	-	-	-	•
Spurn Head	c	c	p	c	55	49	•	trace	1	14.30	<21.00	6.5
Nottingham	c	cp	b	b.bc	54	43	40	trace	-	14.30	-	5.9
Cranwell	pr	cpr	pr.bc	c	54	40	38	0.1	0.3	09.00	22.00	0.0
Gorleston	cq	cqr	cqr	c.oqr	59	44	46	1	2	15.30	<21.00	8.5
Valencia (Cahirciveen)												
Roches Point	b.bc.c	c					•	-		-		•
Pembroke (St. Ann's H.)	b.bc	b.bc	b.bc	b.bc	59	43	•	-	-	-	-	11.1
Ross-on-Wye	bbc.c.bc	c.o.bc.o	c.bc.bw	bm.bc.b	54	38	31	-	trace	-	-	4.5
Benson...	bc	bc	bc	bwm	58	34	29	-	-	-	-	•
Andover	bc.c.o.c	c.bc.b	b	b	59	41	38	-	-	-	-	4.5
S. Farnborough ...	bc.o.o	opr.cbc.c	cpr.c.bc	b.bc.c	54	38	33	trace	trace	13.30	<21.00	6.4
London (Kew Obsy.)...	bcm.o	o.bc.o	o.b.b	mw	54	43	36	-	-	-	-	4.5
Croydon	omcp	ozy pr.	o.c	om	54	43	39	trace	-	11.00	-	4.1
Clacton-on-Sea ..	cy.bc		bc.cp	cp.c	59	45	42	-	1	-	<09.00	6.4
Shoeburyness	p	p	bc	c	62	43	42	2	-	11.00	-	5.5
Grain	ocr.c	cp.o.c	cq p.bc	c.bc	60	45	42	0.6	-	11.00	-	4.0
Lympne	oo	o.c.bc	cpr bc.bw	b.bc	54	43	39	-	trace	-	<21.00	4.0
Scilly (St. Mary's) ..	c.bc	bc	b	b.bcm	62	49	•	-	-	-	-	9.0
Falmouth (Pendennis)	omp	o.c.bcm	bcm.c	c.bcz	61	45	•	-	-	-	-	3.6
Plymouth (Cattewater)	ob	b.bc						-		-		
Portland Bill	b.bc	b.bc	c	b.bc	62	46	•	-	-	-	-	•
Southampton (Calshot)	b.bc	c	b.bc	b.bc	60	43	40	0.5	-	11.00	-	8.0
Dungeness ..	c	c	c	c	60	42	•	trace	-	12.30	-	•
Jersey 7h.	bo.o	o.c.b	b	b	60	50	•	-	-	-	-	5.2
Guernsey 1h.												



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
1	1100 9th	"Ibex"	NE	4	b	55	59
3	0200 10th	Brighton	NNE	5	b+	52	59

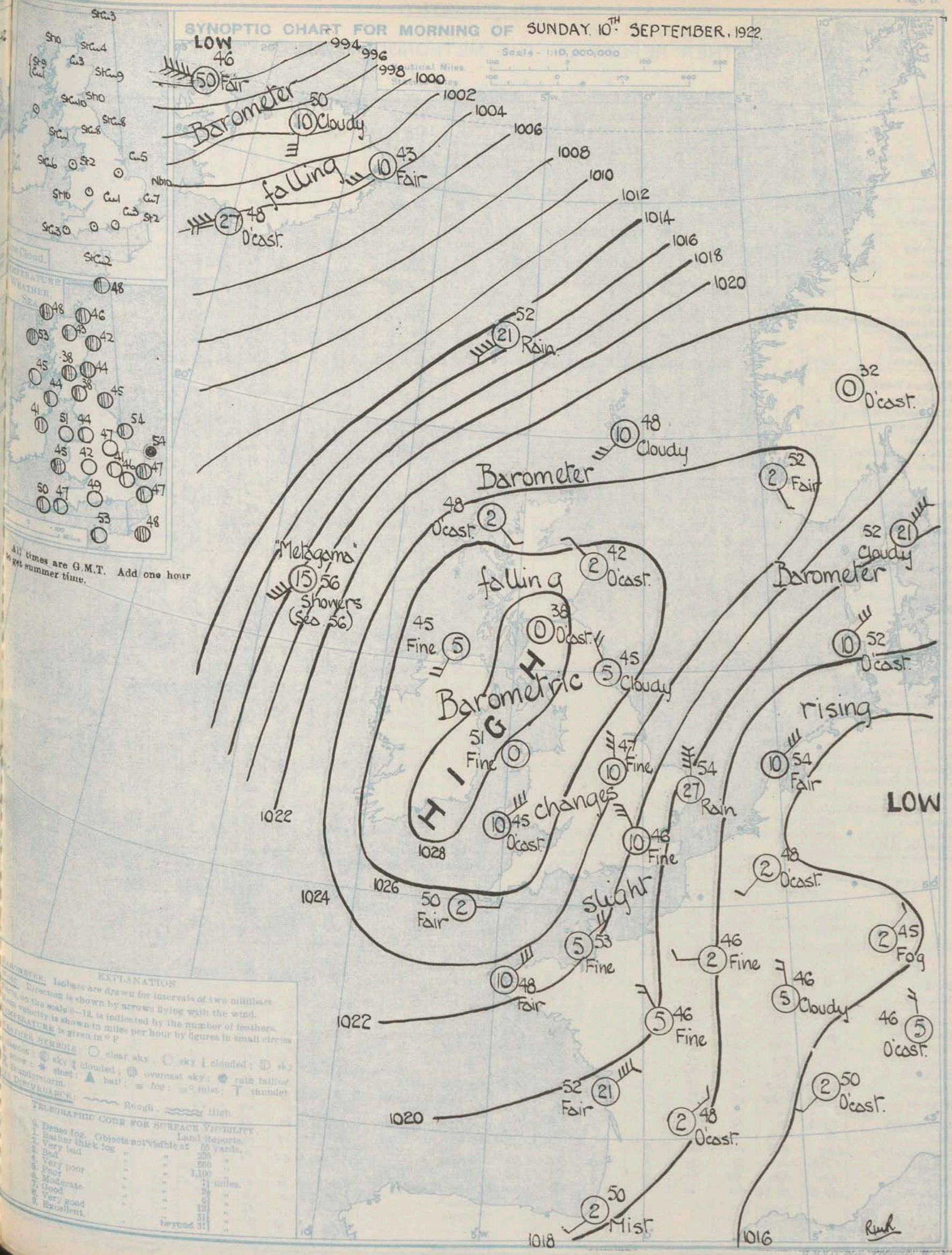
GENERAL INFERENCE.

The anticyclone is moving slowly Southward and the highest pressures are now found over Ireland and Southern Scotland. The Icelandic depression continues to expand and rain is probable soon on the Northwest Coasts. Some rain is also probable on the East Coast of England, weather continuing fair in other districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 10th September, 1922.	Further Outlook.
▲1. S.E. England ▲2. E. England	Wind Northerly moderate or fresh, strong at times on coast; rain at times on coast, fair elsewhere; visibility good; rather cold	Less settled Scotland and Ireland; mainly fair with rather low temperature over England.
3. E. Midlands 4. W. Midlands	Moderate N to NE wind; fair generally; visibility mainly good; rather cold, ground frost at night inland.	
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands ▲10. N.E. England	Light variable wind; fair generally; visibility good after morning mist; rather cold, ground frost at night inland.	▲ North Cone hoisted at 11.00h G.M.T yesterday.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light variable wind becoming SW; fair early, less fair later; visibility moderate, mist in places; rather cold	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind SW moderate; dull, some rain probable later; mist in places; temperature rising.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As for 5 - 10	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09 00 G M T. G. C. SIMPSON, F.R.S., Director.

* For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF SUNDAY 10TH SEPTEMBER, 1922.
Scale - 1:10,000,000
LOW
Barometer falling
Barometric HIGH
Barometer rising
LOW
"Metagama"
Showers (Sea 56)
slight changes
994
996
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
Rain
Cloudy
Fair
Fine
Fog
Mist
O'cast.
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; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
Land Reports.
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 " " 2½ miles.
5. Poor " " 5
6. Moderate " " 6
7. Good " " 12
8. Very good " " 31
9. Excellent. " " beyond 31
Rush

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Sunday, 10th September 1922. No. 255.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1027.2	-1	W	2	0+	45	85	Y	-	-	0	A St	9	•
Stornoway	1029.2	-2	-	0	bc-	•	•	Y	•	•	•	•	•	•
Wick	1027.5	-2	SW	2	0+	42	97	8	5700	St Cu	9	-	9	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1028.9	-2	SSW	2	b	44	97	8	-	-	0	A Cu	1	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1028.8	-2	NE	2	b	46	95	8	-	-	0	-	0	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1027.6	-1	NW	3	bc-	52	85	Y	4000	Cu	3	Ci Cu	5	•
Blacksod Point														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1030.0	-2	W'N	1	b-	42	97	6	-	-	0	A Cu	2	•
Holyhead	1027.9	-1	NE'E	3	b-	51	95	8	-	-	0	A Cu	2	•
Liverpool (Bidston)	•	•	•	•	•	•		•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1028.9	-1	N'E	6	c	52	85	8	4000	Cu	Y	-	Y	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1025.5	-1	N	4	b-	43	97	Y	4000	St Cu	3	-	3	•
Gorleston	1021.1	-1	N	6	bc/r	52	95	7	4000	Cu Nb	6	-	6	•
Valencia (Cahirciveen)														•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1028.1	0	NE	3	c+	49	86	8	4000	St Cu	Y	-	Y	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	46	•	•	•	•	•	•	•	•
Croydon	1024.0	-1	NW'N	2	0	45	86	Y	1500	St Cu	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1021.5	-1	N'W	4	b	43	92	Y	-	-	0	-	0	•
Scilly (St. Mary's)	1026.5	0	NE'N	2	b	52	85	Y	-	-	0	-	0	•
Falmouth (Pendennis)	1028.1	0	N	3	c+	54	92	6	5700	St Cu	Y	-	Y	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1025.4	0	NE	4	b	54	85	Y	-	-	0	-	0	•
Southampton (Calshot)	1024.8	-1	N	4	b	49	85	8	-	-	0	-	0	•
Dungeness	1022.3	-1	N	4	b	45	92	8	•	-	0	-	0	•
Jersey (7h)	1024.8	+1	NNE	5	bc	53	95	8	5700	Cu Nb	6	-	6	•
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1022.8	-4	SW	3	c	48	85	Y	5700	St Cu	5	A St	8	2
Stornoway	1024.8	-1	SE	1	0	48	85	6	800	St	10	-	10	0
Wick	1024.4	-4	SW	2	c-	46	92	8	5700	St Cu	4	Ci Cu	8	0
Castlebay	1026.3	-1	WSW	4	0	53	85	5	1500	St	10	-	10	3
Nairn	1025.5	•	-	0	bc	43	85	8	4000	Cu	3	Ci Cu	5	•
Aberdeen	1026.9	-1	NW	1	0+	42	85	6	5700	St Cu	9	-	9	0
Malin Head	1027.6	-1	SSW	2	b	45	97	8	-	-	0	Ci	2	1
Renfrew	1028.2	0	-	0	0	38	97	5	1200	St Cu	10	-	10	•
Edinburgh (Inchkeith)	1027.7	0	WSW	2	0+	44	92	Y	*	St	10	-	10	•
Leuchars	1027.7	-2	W	2	0	46	92	8	-	-	0	A St	10	•
Eskdalemuir	1028.8	-1	-	0	c	38	86	8	5700	St Cu	8	-	8	•
Tynemouth	1027.2	0	NNW	2	c	45	85	6	4000	St Cu	8	-	8	4
Blacksod Point	1027.9	-1	W	1	bc+	44	85	8	5700	St Cu	1	A Cu	4	0
Donaghadee	1028.7	•	ENE	1	b-	38	97	6	-	-	0	-	0	•
Birr Castle	1029.6	-1	W	1	c	41	97	8	4000	St Cu	6	A Cu	8	•
Collinstown	1027.7	0	-	0	b-	51	95	9	-	-	0	-	0	0
Holyhead	1027.6	0	NNE	1	b	44	85	8	2500	St	2	-	2	2
Liverpool (Bidston)	1026.6	0	WNW	2	b+	43	85	Y	4000	Cu	1	-	1	•
Chester (Shotwick)														
Spurn Head	1022.9	0	N'E	4	bc	54	85	4	4000	Cu	5	-	5	6
Nottingham	1025.2	•	N	3	b	49	85	Y	-	-	0	-	0	•
Cranwell	1025.0	0	N'W	5	b-	44	92	Y	-	-	0	-	0	•
Gorleston	1019.6	-2	N	6	0r+	54	85	5	4000	Nb	10	-	10	5
Valencia (Cahirciveen)														•
Roches Point														3
Pembroke (St. Ann's H.)	1027.7	0	NE	3	b	45	95	8	-	-	0	-	0	•
Ross-on-Wye	1027.0	0	NNW	1	b	42	85	8	-	-	0	-	0	•
Benson	1024.7	+1	NNW	3	bm	41	92	4	*	Cu	1	-	1	•
Andover	1024.7	0	NNE	4	b-	45	85	Y	4000	St Cu	1	-	1	•
S. Farnborough	1022.1	0	NNW	3	c	44	94	6	1500	St	Y	-	3	•
London (Kew Obsy.)	1022.3	0	NNW	3	b	46	85	5	4000	Cu	3	-	10	•
Croydon	1020.1	-1	WNW	3	0	43	94	6	1500	St	10	-	10	0
Clacton-on-Sea	1020.2	-1	NNW	4	c-	49	92	Y	5700	Cu	Y	A Cu	Y	*
Shoeburyness	1020.9	-2	NNW	4	c	49	95	Y	-	-	0	A Cu	5	0
Grain	1022.1	-2	NW	6	bc	49	85	8	-	-	0	A Cu	Y	•
Lympne	1020.1	0	N'W	6	c	49	92	Y	-	-	0	A Cu		
Scilly (St. Mary's)	1025.7	+1	NE	1	bc+	50	85	6	4000	St Cu	3	A Cu	5	2
Falmouth (Pendennis)	1026.6	+2	NE	2	b-	49	92	6	-	-	0	A Cu	1	1
Plymouth (Cattewater)														
Portland Bill	1024.6	0	NNE	6	b	49	85	Y	-	-	0	-	0	3
Southampton (Calshot)	1024.0	-1	N'W	4	b	45	92	Y	-	-	0	-	0	0
Dungeness	1020.7	-2	NNE	4	bc+	49	92	Y	2500	St Cu	2	A Cu	5	4
Jersey (7h)	1023.3	0	NE	2	b	53	65	8	4000	St Cu	2	-	2	1
Guernsey (1h)														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 8h.-9h. °F.	Temperature. Max. Day. 9h. °F.	Rainfall.† Night 17h.-9h. 8h.-9h. mm.	Rainfall.† Day 9h.-17h. 9h. mm.	Sunshine. Sunrise to 17h. 9h. hr.	Sunshine. Sunrise to Sunset. 8h. hr.
Banff	0	0	48	53	-	-	0.2	5.8
Montrose	*	*	43	53	-	-	3.5	2.6
Llandudno	b	b.bc.c	46	56	-	-	9.4	3.3
Colwyn Bay	bc.bc	c	46	54	-	-	4.4	5.0
Rhyl	bc.b	b.bc	44	54	-	-	10.5	2.5
Southport	b.bc	bc.c	42	56	0.1	-	9.2	2.2
Blackpool	c	bc	41	54	-	-	10.4	2.3
Harrogate	bc.b	bc.c	41	55	0.6	-	4.5	0.8
Skegness	p.o.c	dp.cp.o	48	56	0.2	0.2	7.8	2.5
Aberystwyth	c.c.b	b	50	59	-	-	8.5	8.0
Bath	bc	bc.bz	50	59	-	-	4.3	5.4
Leamington Spa	c.o.c	o.c	44	58	0.3	-	6.6	4.1
Lowestoft	c.bcp	o.bc	50	54	3	trace	8.8	4.4
Felixstowe	cpv	cpv	49	60	-	0.6	6.6	6.6
Southend	bcp.bc	cp.bc	46	60	-	0.8	4.0	6.0
Paignton	orp	bc.bcy	55	59	-	0.3	4.3	10.2
Ilfracombe	bc	b	52	60	-	-	8.0	9.4
Bude	c.bc	bc	56	66	-	-	6.3	8.9
Penzance	bc	cm	53	62	-	-	3.2	11.4
Falmouth Observatory	c.cm	b	54	60	-	-	5.5	10.1
Torquay	c	b.bc	51	64	-	-	4.9	1.8
Weymouth	c	b	51	59	-	-	8.0	11.4
Bournemouth	b	b.bc	51	59	-	-	7.4	10.9
Portsmouth (S'thsea)	b	bc	49	54	-	-	5.5	9.1
Worthing	b.bc	c.bc	48	58	-	-	6.5	6.4
Brighton	b.bc	c.o.c	48	61	-	-	4.4	5.4
Eastbourne	bc	bc.c	48	59	-	-	5.0	6.5
Hastings	bc.b.bc	bc.o.c	48	59	-	-	4.6	4.8
Folkestone	b.bc.o	c.bc	46	59	-	-	4.5	4.3
Tunbridge Wells	b.bc	bc.c	50	54	-	-	6.4	3.6
Ramsgate	c.bc.b	bc.c	53	54	-	1	6.8	
Margate	bc.cp	bc.cp	51	60	-			
Deal								

* 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. B22208 MONDAY, 11th SEPTEMBER 1922.

Observations at 1300 G.M.T. 10th

Stations	Barom. at M.S.L. (m.b)	Change in 3 Hours.‡	Wind Direc.	Wind Force (0-12)	Weather	Temp. °F.	Humidity %	Visibility.§ (0-9)	Height of Low Cloud (Feet)	Low Cloud Form.	Low Cloud Amt. (0-10)	Upper Form.	Total Amt. (0-10)	Sea. (0-9)
Lerwick	1019.6	-2	SW'W	4	o	51	85	7	5750	StCu	4	aSt	10	*
Stornoway	1021.7	-2	S	4	o	59	75	6	800	St	10	–	10	*
Wick	1021.5	-4	SW	2	o	55	65	8	4000	StCu	2	CiSt	9	*
Castlebay	1024.5	-2	SW	4	o	55	85	7	800	St	10	–	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1024.2	-2	S'W	3	bc	57	75	7	–	–	o	aCu	5	*
Malin Head	1026.1	-1	W	3	bc+	56	85	8	5750	StCu	4	CiCu	5	*
Renfrew	1026.0	-3	W	1	c+	59	65	8	–	–	o	aCu	8	*
Edinburgh (Inchkeith)	1025.2	-4	WSW	2	c-	57	65	6	–	–	o	CiCu	8	*
Leuchars	1024.9	-5	WSW	3	bc	60	55	7	–	–	o	aSt	5	*
Eskdalemuir	1025.6	-2	SW	1	c	55	65	8	4000	Cu	5	Ci	7	*
Tynemouth	1026.4	o	NNE	2	b	55	75	8	–	–	o	CiCu	1	*
Blacksod Point														*
Donaghadee	1025.8	-1	E	1	b-	54	75	8	–	–	o	–	o	*
Birr Castle	*	*										*		*
Collinstown	1028.0	-2	W	2	bc-	59	75	8	2500	StCu	5	–	5	*
Holyhead	1027.0	-1	–	o	bc	56	75	8	2500	Cu	2	aCu	5	*
Liverpool (Bidston)	1026.3	-1	NW	3	b	53	55	9	2500	StCu	2	–	2	*
Chester (Shotwick)	1025.4	-1	NW	4	b	58	55	8	5750	Cu	3	–	3	*
Spurn Head	1023.6	+1	N'E	7	bc	57	75	7	4000	St	5	–	5	*
Nottingham	1024.3	*	N	3	bc+	59	65	7	800	CuNb	6	–	6	*
Cranwell	1024.3	-1	NNE	5	o+	59	65	8	4000	StCu	9	–	9	*
Gorleston	1020.1	+1	N'E	6	cjp	58	85	7	2500	CuNb	8	–	8	*
Valencia (Cahirciveen)	1028.2	o	WNW	2	bc	58	85	9	–	–	o	aCu	5	*
Roches Point													*	*
Pembroke (St. Ann's H.)	1027.0	-1	NNE	4	bc	55	65	8	4000	StCu	4	–	4	*
Ross-on-Wye	1025.0	-1	N	4	b-	57	55	8	5750	Cu	2	–	2	*
Benson	1022.7	-2	NNE	4	bc	59	55	8	–	Cu	5	–	5	*
Andover	1022.8	-1	NNE	4	b	59	55	8	4000	Cu	3	–	3	*
S. Farnborough	1022.2	-2	NW	4	o	57	65	8	2500	StCu	10	–	10	*
London (Kew Obsy.)	1021.8	-2	N	5	o	57	65	8	2500	StCu	8	aSt	10	*
Croydon	1021.6	-2	N'E	5	o	56	75	6	1500	St	9	aSt	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1019.5	-1	NNW	4	o/r	57	85	8	4000	StCu	10	–	10	*
Grain	1019.9	-1	NNW	6	o/r	57	75	8	1500	St	8	aSt	10	*
Lympne	1018.7	-2	N'W	7	o/r	56	85	7	1500	St	8	aSt	9	*
Scilly (St. Mary's)	1026.6	+1	NE'N	2	b-	59	85	8	4000	StCu	2	–	2	*
Falmouth (Pendennis)	1025.9	-2	SSE	2	bc+	56	75	8	4000	Cu	5	–	5	*
Plymouth (Cattewater)	1025.1	-1	NNW	3	bc	56	55	8	4000	SVCu	4	–	4	*
Portland Bill	1023.2	-2	NNE	5	b	57	85	7	–	–	o	–	o	*
Southampton (Calshot)	1022.3	-2	N	5	bc+	59	65	7	4000	StCu	4	–	4	*
Dungeness	1018.2	-2	NNE	6	cjp	66	75	8	1500	CuNb	8	–	8	*
Jersey 7h / Guernsey 1h	1022.6	o	N	3	b	59	55	8	–	–	o	aCu	1	*

Observations at 1800 G.M.T. 10th

Stations	Barom. at M.S.L. (m.b)	Change in 3 Hours.‡	Wind Direc.	Wind Force (0-12)	Weather	Temp. °F.	Humidity %	Visibility.§ (0-9)	Height of Low Cloud (Feet)	Low Cloud Form.	Low Cloud Amt. (0-10)	Upper Form.	Total Amt. (0-10)	Sea. (0-9)
Lerwick	1016.6	-5	SW'W	5	o	51	85	7	–	–	o	aSt	10	4
Stornoway	1019.7	-2	SW	5	o	55	85	6	800	St	10	–	10	4
Wick	1019.0	-4	SW	3	o	55	75	8	–	–	o	Ci	10	o
Castlebay	1022.5	-1	WSW	4	od₀	54	97	6	800	St	10	–	10	4
Nairn	1020.6	*	W	3	c+	57	75	8	1500	St.	7	–	7	*
Aberdeen	1021.6	-2	SSW	3	o+	53	85	6	5750	StCu	10	–	10	o
Malin Head	1023.9	-2	W	4	ojp	55	92	7	1500	StCu	9	–	9	1
Renfrew	1024.2	-1	WSW	3	o	56	75	8	7250	StCu	10	–	10	*
Edinburgh (Inchkeith)	1023.3	-1	WSW	3	o+	56	75	7	–	–	o	CiSt	9	2
Leuchars	1022.6	-2	SSW	2	o	55	75	7	7250	StCu	3	aSt	10	x
Eskdalemuir	1024.7	-1	SSW	3	c+	51	85	8	1500	StCu	5	aCu	8	*
Tynemouth	1025.1	-1	S	2	bc+	52	85	8	–	–	o	CiCu	4	1
Blacksod Point														*
Donaghadee	1024.4	-2	SE	1	bc	55	75	8	–	–	o	CiCu	4	o
Birr Castle		*												*
Collinstown	1026.5	-1	SE	3	b-	55	85	7	–	–	o	aCu	2	*
Holyhead	1025.7	-1	N'E	1	b-	53	97	7	–	–	o	aSt	1	o
Liverpool (Bidston)	1025.3	o	NW	2	b	53	65	8	2500	St	1	CiSt	2	2
Chester (Shotwick)	1024.3	-1	WNW	3	b	52	75	7	–	–	o	Ci	2	*
Spurn Head	1023.6	o	N	5	bc	55	85	7	2500	StCu	4	–	4	5
Nottingham	1023.9	*	NNE	1	b-	55	65	7	4000	Cu	1	Ci	2	*
Cranwell	1024.1	+1	NE'N	4	b	53	75	8	4000	St	1	–	1	*
Gorleston	1020.6	o	NE	4	bc-	56	75	7	4000	CuNb	6	–	6	5
Valencia (Cahirciveen)														*
Roches Point														*
Pembroke (St. Ann's H.)	1025.4	-2	N'E	3	b	53	75	8	4000	StCu	3	–	3	2
Ross-on-Wye	1023.9	-1	N	2	b-	56	65	6	4000	StCu	3	–	3	*
Benson	1022.4	-1	–	o	bc	56	65	9	–	Cu	4	–	4	*
Andover	1022.1	o	NNE	4	c+	57	65	8	4000	StCu	7	–	7	*
S. Farnborough	1021.4	o	N	4	o	56	65	8	4000	StCu	10	–	10	*
London (Kew Obsy.)	1021.5	o	N	4	o	56	75	6	2500	StCu	8	CiSt	9	*
Croydon	1021.4	+1	NNE	4	or₀T₀	54	85	6	1500	Nb	10	–	10	*
Clacton-on-Sea	1020.6	+2	NE	4	bc-	56	75	7	4000	Cu	5	–	5	2
Shoeburyness	1020.9	+1	NE	2	bc/r	53	85	8	1500	Cu	5	–	5	*
Grain	1020.4	+2	NE	5	bc/r	56	75	8	1500	Cu	6	–	6	3
Lympne	1019.7	+2	NNE	4	bc-	53	85	7	1500	Cu	5	–	5	*
Scilly (St. Mary's)	1025.3	-1	NE'N	3	b	53	65	8	4000	Cu	3	–	3	2
Falmouth (Pendennis)	1024.6	-1	NNE	2	b-	53	75	8	4000	Cu	2	–	2	1
Plymouth (Cattewater)	1023.7	-1	N	3	b	56	55	8	–	–	o	–	o	o
Portland Bill	1021.7	-2	NNE	4	b	57	85	7	–	–	o	–	o	3
Southampton (Calshot)	1021.5	o	N'E	4	bc	59	65	7	4000	Cu	5	–	5	o
Dungeness	1019.3	+1	ENE	5	bc-	55	85	7	2500	CuNb	5	–	5	6
Jersey 7h / Guernsey 1h	1021.2	-1	N	3	b	57	65	8	–	–	o	–	o	2

LONDON OBSERVATIONS.

London Observations	Weather: Morning	Weather: Afternoon	Weather: Night	Temperature: Max. °F.	Temperature: Min. °F.	Temperature: Min. on Grass °F.	Rainfall: Day	Rainfall: Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 11th								Yesterday.		To-day.
Kew (24 hours ended 0700)	b₂bzq	cqcob₀	ombb	*	*	36	N	–	3.9	*	*
Croydon (24 hours ended 0700)	omz	oqr	or₀rrom	*	*	37	N	1	1.4	*	*
Greenwich (Royal Obsy.)	oid	obj	om	59	48	39	–	1	2.6	79	83
City (Bunhill Row)	*	*	*	*	*	*	*	*	4.1	*	*
Westminster (St. James' Pk.)	*	*	*	60	50	?	–	–	4.3	67	78
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	4.7	*	
Camden Square	b	–	*	59	49	43	–	–	*	*	80
Kensington Palace	obc	o	*	58	48	40	–	–	*	80	84
Hampstead Observatory	*	*	*	57	49	42	Fr	–	4.5	*	94

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

South Kensington: Max.	Time.	Min.	Time.

Kew Observatory: Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 10th 19 h. 15 m. to 11th 04 h. 45 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	9.0	4.55	52
δ Ursae Minoris	9.0	4.15	44

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per sec.	Stren.	Direc.
13h.	C	6	2	160°
16h.	C,C₂	8	–	140°
[illegible]	C,C	9	–	50°
07h.	C,C₂	8	–	115°

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

11th & 12th Sept., 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.22 / 5.23	11.50 / 11.49	6.18 / 6.16
Greenwich	5.30 / 5.31	11.54 / 11.56	6.24 / 6.22
Wick	5.35 / 5.37	12.9 / 12.8	6.43 / 6.40
Valencia	6.10 / 6.11	12.38 / 12.34	7.6 / 7.4

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
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 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.

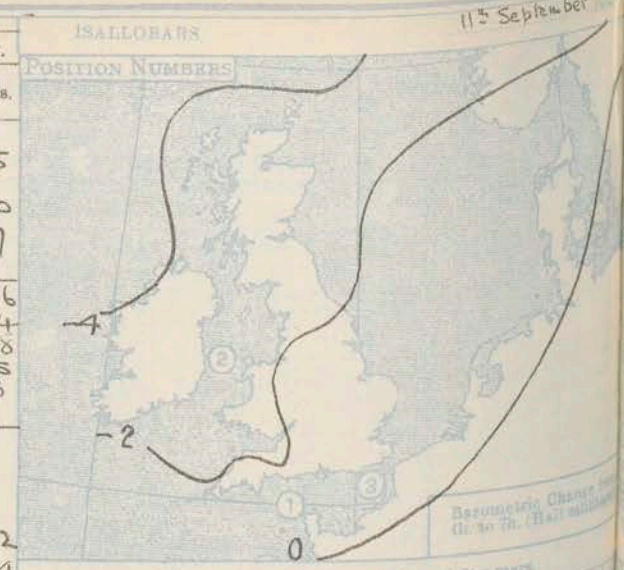
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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.

M.O. Form 2370.

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	c	oo	r w d	r w d	52	51	•	–	7	–	2200	•
Stornoway	oo	oo	F	oo	59	48	•	–	–	–	–	4.5
Wick	oo	oo	oo	oo	57	51	•	–	–	–	–	•
Castlebay	o	odpf	odpf	odrf	55	53	•	trace	0.4	1330	<2100	0.0
Nairn	bc	cg	cg	c	61	52	•	–	–	–	–	2.7
Aberdeen	om.bc	bc.om	omm	omff	58	44	38	–	–	–	–	3.6
Malin Head	c	c	oimd	oimd	58	52	•	–	0.6	–	<2100	7.6
Renfrew	b or bc	c.oo	oo	ood.	61	49	45	–	–	–	–	6.4
Edinburgh (Inchkeith)	f or m	c	c	oo	59	50	48	trace	–	–	–	4.8
Leuchars	b or bc	c	c	c	62	47	43	–	–	–	–	4.5
Eskdalemuir	c	c.bc.c	co	oo	58	42	42	–	–	–	–	7.3
Tynemouth	b or bc	b or bc	bcm	cm	57	44	39	–	–	–	–	•
Blacksod Point ...							•					•
Donaghadee	bc	bc	c	c	58	46	•	–	–	–	–	•
Birr Castle												
Collinstown	b or bc	b or bc	b or bc	f or m	62	40	x	–	–	–	–	10.2
Holyhead	bv.bc	b or bc	bbc	cocm	58	46	40	–	–	–	–	10.4
Liverpool (Bidston) ...	b or bc	b or bc	cm	cm	57	44	44	–	–	–	–	12.4
Chester (Shotwick) ...	b.bc.b	b	bbcz	bcxff	58	36	30	–	–	–	–	•
Spurn Head	c	c	bbc	bbc	57	47	•	trace	–	<0800	–	8.5
Nottingham	b or bc	b or bc	b	bbcm	60	40	39	–	–	–	–	10.2
Cranwell	c	b or bc	bcb	om	60	40	36	–	–	–	–	10.3
Gorleston	cg.R.c	cg pr	bccbc	bcm	59	47	41	17	–	<0800	–	3.6
Valencia (Cahirciveen)	bc											
Roches Point							•					•
Pembroke (St. Ann's H.)	b or bc	b or bc	b or bc	c	57	46	•	–	–	–	–	11.2
Ross-on-Wye	b.bc.b	byboyg	cbcbw	bmwcf	59	38	33	–	trace	–	–	10.1
Benson	bc	bc	o	o	59	49	49	–	–	–	–	•
Andover	bc.by	bv.bcc	coo	coo	62	49	46	–	–	–	–	10.7
S. Farnborough ...	cm.b	oo	oo	oo	58	44	36	–	trace	–	–	3.6
London (Kew Obsy.) ...	bz.bzqcq	oqcop.om	ombb	bbomw	58	48	36	trace	–	1730	–	3.9
Croydon	omz	oq.r.o	or.rrb	omf	57	45	37	trace	1	1530	<2100	1.4
Clacton-on-Sea ...	cpr.bc		bc	bcmz	59	45	42	8	–	0900	–	4.2
Shoeburyness	r o r d	p	bc	bcbfe	59	42	37	3	trace	1100	–	3.3
Grain	cr.r.o	o P.c	bcbb	bbwm	59	43	36	5	–	0900	–	2.3
Lympne	cqprpqcq	oqRrs.bc	b or bc	bcwff	57	45	37	6	–	1100	–	5.0
Scilly (St. Mary's) ...	bc	bc	bc	bc	60	50	•	–	–	–	–	10.0
Falmouth (Pendennis)	b.bc	bc.b	bb	bm	57	48	•	–	–	–	–	11.4
Plymouth (Cattewater)	b or bc	b or bc	bbc	b or bc	59	47	39	–	–	–	–	12.0
Portland Bill	b or bc	b or bc	b or bc	c	60	49	•	–	–	–	–	•
Southampton (Calshot)	b or bc	b or bc	c	c	62	49	46	–	–	–	–	11.7
Dungeness	pq	pq	c	off	60	48	•	3	1	1430	0330	•
Jersey 7h } ...	b	b	b	b	60	54	•	–	–	–	–	11.0
Guernsey 1h }												



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	10th 1000	Cambria	NNW	3	c	52	54
3	11th 0200	Dieppe	E	4	bc	56	?

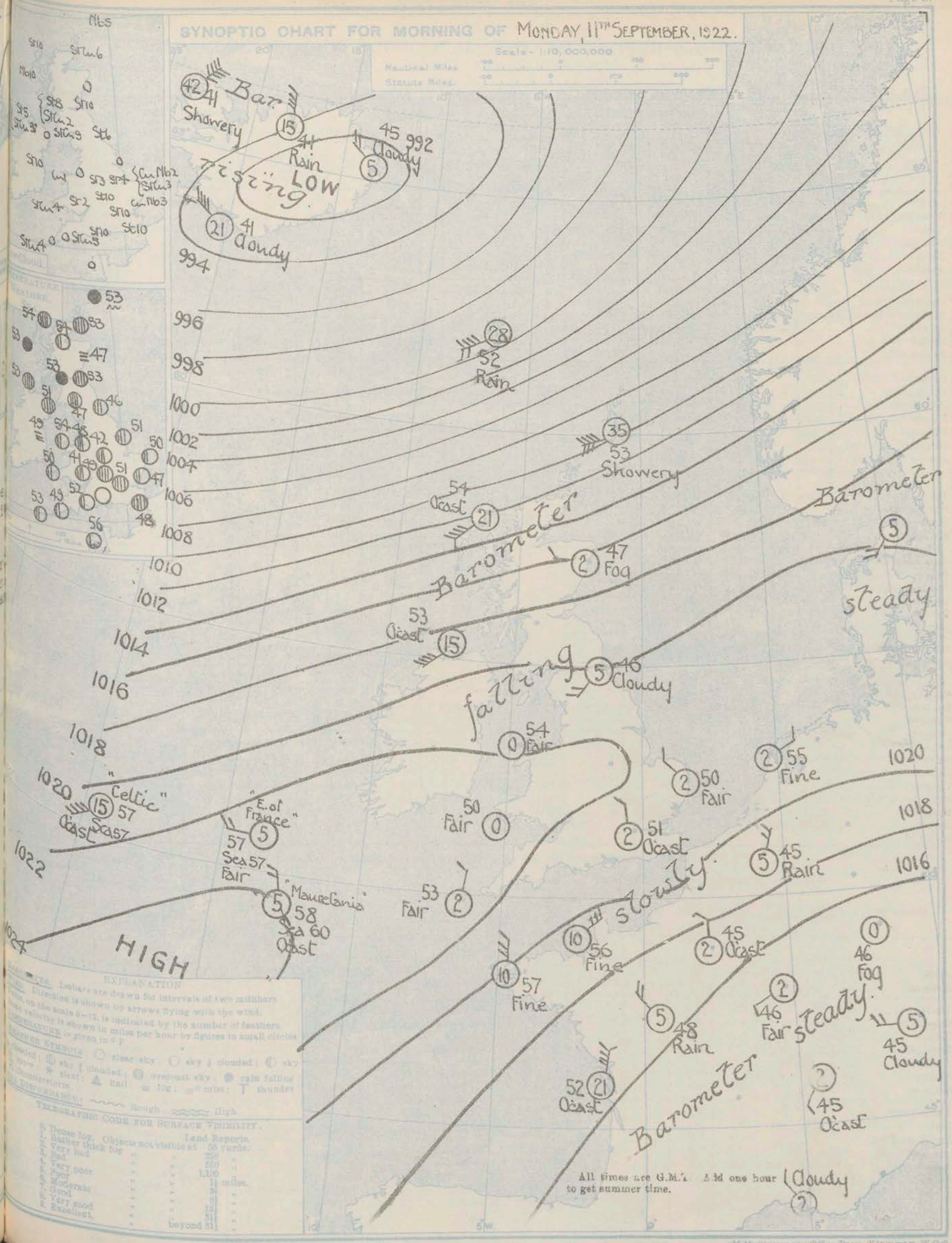
GENERAL INFERENCE.

The anticyclone continues to move slowly Southward and the depression over Iceland shows a tendency to move Southeastward. Rain is probable in the North with Westerly winds but weather will be fair in the South for the next 24 hours and probably longer.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday 11th September, 1922.	Further Outlook
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Light variable winds; fair generally, cloudy at times; visibility good after morning mist; temperature rising but risk of ground frost at night.	Probably fair beyond the 24 hours in the extreme South; unsettled elsewhere.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind SW to W light or moderate; cloudy, probably some rain later; visibility moderate; moderate temperature.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind Westerly moderate or fresh; dull occasional rain; visibility moderate; moderate temperature.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Fresh or strong Westerly winds; dull, some rain; visibility mainly good; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland	As for 11 - 13.	
19. S.E. Ireland 20. S.W. Ireland	As for 6 - 10.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09 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 September.....1922. No. 254...

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1012.3	-4	WSW	6	or r	52	97	6	2500	Nb	10	-	10	*
Stornoway	1018.9	-2	SSW	4	or,+	*	*	4	*	*	*	*	*	*
Wick	1015.8	-3	SW	4	0	55	75	8	5700	St.Cu	8	Ci.St	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1022.1	-3	W	4	0D	53	97	6	1500	St	10	-	10	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1021.1	-3	WSW	4	bc⊕	51	85	8	-	St.Cu	2	Ci.St	6	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth														*
Blackrod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Collinstown	1025.7	-1	W'S	1	b	47	97	6	-	-	0	A.Cu	2	*
Holyhead	1024.2	-1	-	0	bc+	48	92	7	-	-	0	A.St	6	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1022.9	-2	NNE	3	b	52	92	7	-	-	0	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1024.5	0	N	3	b-	+3	97	7	-	-	0	A.Cu	1	*
Gorleston	1021.8	0	NE	3	bc-	55	85	7	4000	Cu Nb	4	-	4	*
Valencia (Cahirciveen)	1025.7	-4	NW'N	1	bc	54	92	9	-	-	0	A.Cu	2	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1025.1	-2	N	2	b	48	85	8	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...	*	*	*	*	*	51	*	*	*	*	*	*	*	*
Croydon	1022.0	0	ENE	2	0+	49	97	4	800	St	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness... ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1020.3	0	N	3	b	47	92	7	4000	Cu	2	-	2	*
Boulogne (St. Macy's) ...	1024.5	-2	NNE	2	b	52	85	8	4000	St.Cu	3	-	3	*
Falmouth (Pendennis)	1024.0	-1	NNE	3	b	49	85	7	-	-	0	A.Cu	1	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1021.7	0	NNE	4	b	54	85	7	-	-	0	Ci.St	3	*
Southampton (Calshot)	1022.1	-1	NNE	2	b-	52	92	8	-	-	0	-	0	*
Dungeness	1020.6	0	N	3	bc	50	92	8	4000	Cu Nb	6	-	6	*
Jersey (7h)	1021.4	-1	NNE	4	c	55	85	8	5700	St.Cu	8	-	8	*
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1009.6	-4	WSW	7	obr.	53	97	7	2500	Nb	5	A.St	10	6
Stornoway	1012.9	-2	SW	5	0	54	92	6	450	St	10	-	10	4
Wick	1012.8	-3	SW	2	0+	53	85	8	5700	St.Cu	6	Ci.St	9	0
Castlebay	1015.7	-2	SW	4	or.	53	97	6	800	Nb	10		10	5
Nairn	1014.3	*	W	1	bc	54	75	8	4000	Cu	4	Ci.Cu	6	*
Aberdeen	1015.5	-2	W	1	ff0	47	97	3	-	-	0	A.Cu	9	0
Malin Head	1017.9	-4	SW	4	o/f	53	97	7	1500	St	10	-	10	2
Renfrew	1019.1	-3	SW	3	od.	53	92	6	2500	St	10	-	10	*
Edinburgh (Inchkeith)	1017.5	-2	SW	4	0	53	85	7	-	St	10	-	10	3
Leuchars	1017.2	-4	WSW	3	c	51	92	7	2500	St.Cu	3	Ci.St	7	*
Eskdalemuir	1020.1	-2	SSW	3	0	47	85	7	1500	St.Cu	9	Ci.Cu	10	*
Tynemouth	1020.0	-3	SW	2	c	46	85	4	2500	St	6	A.Cu	8	1
Blackrod Point ...														
Donaghadee	1020.4	-3	WSW	1	0+	51	92	9	-	-	0	A.St	10	0
Birr Castle														*
Collinstown	1022.7	-3	W	3	FF0	47	97	1	<150	St	10	-	10	0
Holyhead	1021.4	-3	-	0	bc-	54	85	6	2500	Cu	1	A.Cu	6	*
Liverpool (Bidston) ...	1021.4	-1	S	1	bc-	48	85	4	-	-	0	Ci.Cu	6	1
Chester (Shotwick) ...	1020.7	-2	SE	1	0+	41	97	3	7100	St.Cu	6	A.Cu	9	*
Spurn Head	1021.8	-1	NW	2	c	51	97	7	-	-	0	Ci.St	7	3
Nottingham	1022.1	*	W	1	bc+	42	97	3	800	St	3	A.Cu	6	*
Cranwell	1022.6	-1	NNW	3	imo	45	97	5	1500	St	4	A.Cu	10	*
Gorleston	1020.5	-1	NW'N	1	mbc	50	85	5	2500	St.Cu	5	-	5	0
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St.Ann's H.)	1022.7	-2	-	0	bc	50	85	8	4000	St.Cu	4	Ci	6	2
Ross-on-Wye	1022.9	-1	-	0	fc=	41	97	3	450	St	2	Ci	7	*
Benson...	1021.6	-1	-	0	0	49	85	6	-	St	10	-	10	*
Andover	1021.5	-1	NNE	2	0	50	97	7	800	St	10	-	10	*
S. Farnborough ...	1020.9	-1	NW	3	0-	52	97	7	2500	St	9	-	9	*
London (Kew Obsy.)...	1021.0	-2	N	1	mo-	51	92	6	2500	St	10	-	10	*
Croydon	1020.8	-1	N	2	fo+	50	97	3	800	St	10	-	10	1
Clacton-on-Sea ...	1020.3	-2	N	3	mbc	47	92	6	2500	Cu Nb	3	A.St	5	*
Shoeburyness... ...	1020.6	-1	-	0	fb-	46	97	2	-	-	0	-	0	0
Grain	1020.6	0	NNW	3	b	51	97	6	-	-	0	A.Cu	1	*
Lympne	1019.8	0	N	3	ff0	48	97	2	<150	St	10	-	10	*
Boulogne (St. Macy's) ...	1023.3	-1	NNE	1	bc+	53	85	8	4000	St.Cu	4	-	4	2
Falmouth (Pendennis)	1022.9	-3	N	1	bc+	49	85	6	-	-	0	A.Cu	4	0
Plymouth (Cattewater)	1023.1	-1	NW	1	bc	48	85	7	-	-	0	A.Cu	6	1
Portland Bill	1020.2	-2	NNE	4	bc+	52	85	7	1500	St.Cu	5	-	5	0
Southampton (Calshot)	1021.1	-1	N'E	2	0+	51	92	8	1500	St	10	-	10	3
Dungeness	1020.3	0	N	3	mmo	48	97	4	450	St	10	-	10	2
Jersey (7h)	1019.5	0	NE	3	b	56	75	8	-	-	0	A.Cu	1	
Guernsey (1h)														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 9th-10th °F.	Temperature. Max. Day. 10th °F.	Rainfall.† Night 17h.-9h. 9th-10th mm.	Rainfall.† Day 9h.-17h. 10th mm.	Sunshine. Sunrise to 17h. 10th hr.	Sunshine. Sunrise to Sunset. 9th hr.
Banff	b.bc	bc.c.o	34	60	-	-	3.6	0.2
Montrose	-	-	37	58	-	-	4.1	4.0
Llandudno	bc.b	b.bc	33	56	-	-	8.0	9.8
Colwyn Bay ...	bc	bc.b	42	56	-	-	9.1	8.2
Rhyl...	b.bc.b	b.bc.b	36	56	-	-	9.4	10.9
Southport	b	b	38	56	-	-	10.5	9.7
Blackpool	b	bc	39	57	-	-	11.0	10.6
Harrogate	bc	c	40	57	-	-	9.2	4.5
Skegness	bc	o.c	46	58	1	-	5.6	7.8
Aberystwyth ...	c.b	b	37	57	-	-	11.0	10.3
Bath	b	b	39	59	-	-	9.0	7.3
Leamington Spa ...	-	-	40	66	-	-	9.1	6.6
Lowestoft	or.o.c	bc.b	48	58	3	5	2.7	8.8
Felixstowe	cp.c	cp.bcv	45	60	1	4	3.4	7.1
Southend	bcp	cpr.c	43	59	0.1	4	4.9	7.2

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 9th-10th °F.	Temperature. Max. Day. 10th °F.	Rainfall.† Night 17h.-9h. 9th-10th mm.	Rainfall.† Day 9h.-17h. 10th mm.	Sunshine. Sunrise to 17h. 10th hr.	Sunshine. Sunrise to Sunset. 9th hr.
Paignton	bcqy.	b.bc,by	43	61	-	-	10.5	4.8
Ilfracombe	b	b	47	60	-	-	11.0	7.1
Bude	b	bc	41	58	-	-	8.6	10.2
Penzance	bc	b	47	60	-	-	10.2	7.2
Falmouth Observatory	b.bc	bq.b	42	60	-	-	10.4	3.8
Torquay	b	b	44	61	-	-	10.8	4.9
Weymouth	b	b	42	64	-	-	10.6	5.1
Bournemouth ...	b	b	40	62	-	-	10.9	7.7
Portsmouth (S'thsea)	b	b	44	63	-	-	9.8	8.1
Worthing	b.bc	c.o	43	60	-	-	5.9	5.5
Brighton	bc.	o.o	44	59	-	-	3.8	5.5
Eastbourne	bc.c	o.c.r.c	44	62	-	1	4.6	7.4
Hastings	bc.c.o	o.P.c	44	59	-	3	4.2	5.7
Folkestone								
Tunbridge Wells ...	c.o	c.o.P	43	60	-	4	2.6	4.8
Ramsgate	bcr.bc	bcr.c	48	57	0.4	4	5.0	7.5
Margate	P	bc	51	57	-	6	3.3	6.7
Deal	cp.or	cp.bc	47	58	-	3	3.7	6.8

* 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. 22,209 TUESDAY, 12TH SEPTEMBER 1922. Page 1.

Observations at 1300 G.M.T. 11th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1008·2	-2	WSW	7	o+	55	85	6	1500	St	5	ASt	10	*
Stornoway	1009·2	-3	S	4	o	57	85	6	450	St	10	-	10	*
Wick	1009·5	-3	S	4	bc	57	85	8	4000	Cu	1	Ci	6	*
Castlebay	1012·6	-4	WSW	5	o-	55	85	6	1500	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1011·2	-4	E	2	bc+	67	65	8	-	-	0	CiSt	4	*
Malin Head	1014·8	-3	W	4	odo	56	92	7	2500	StCu	8	-	8	*
Renfrew	1015·8	-4	SW	4	odo	57	85	6	2500	St	10	-	10	*
Edinburgh (Inchkeith)	1014·9	-3	WSW	4	o	55	85	7	-	St	10	-	10	*
Leuchars	1013·4	-3	WSW	5	bc	63	65	7	2500	StCu	2	CiCu	6	*
Eskdalemuir	1016·9	-3	SW'S	4	o	52	85	7	1500	StCu	10	-	10	*
Tynemouth	1016·7	-4	Calm	0	o	59	75	6	-	-	0	ASt	10	*
Blacksod Point														
Donaghadee	1017·7	-3	WSW	1	o	54	85	7	-	-	0	ASt	10	*
Birr Castle		*										*		*
Collinstown	1019·3	-4	SW	3	o	54	92	7	800	St	10	-	10	*
Holyhead	1018·9	-3	SW'S	2	o	58	75	8	4000	Cu	4	ACu	6	*
Liverpool (Bidston)	1018·6	-4	W'N	1	c+	57	65	6	4000	StCu	4	CiCu	8	*
Chester (Shotwick)	1017·7	-4	NW	2	o	60	55	7	-		0	ACu	10	*
Spurn Head	1017·7	-4	NNE	2	o	60	75	7	4000	Cu	9	-	9	*
Nottingham	1018·5	*	SW	1	o	59	65	7	1500	StCu	5	ACu	9	*
Cranwell	1019·6	-4	SSW	2	o	60	65	8	2500	Cu	5	ACu	9	*
Gorleston	1019·2	-1	NNE	1	b-	62	65	7	4000	Cu	2	-	2	*
Valencia (Cahirciveen)	1019·8	?	SW	2	o+	55	92	9	-	St	10	--	10	*
Roches Point														*
Pembroke (St. Ann's H.)	1020·0	-3	W	1	bc	57	75	8	-	-	0	CiCu	5	*
Ross-on-Wye	1019·3	-2	NW'N	2	c	60	55	8	5700	Cu	1	CiSt	8	*
Benson	1018·8	-5	NNE	1	c-	59	75	7	-	Cu	8	-	8	*
Andover	1018·7	-2	NE	3	bc-	60	65	8	1500	StCu	4	CiCu	6	*
S. Farnborough	1018·3	-3	NNW	2	c	62	65	7	2500	Cu	7	-	7	*
London (Kew Obsy.)	1018·3	-4	NNW	1·	bc-	61	55	7	4000	Cu	6	-	6	*
Croydon	1018·5	-4	E	2	bc	61	55	6	4000	Cu	4	-	4	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1018·3	-5	E	1	bc/f	62	65	8	5700	Cu	4	-	4	*
Grain	1018·3	-3	ENE	3	b-	60	65	8	4000	Cu	2	-	2	*
Lympne	1017·9	-3	NNE	4	bc	60	75	8	4000	Cu	6	-	6	*
Scilly (St. Mary's)	1020·8	-2	NW'W	1	b	60	65	8	4000	Cu	1	Ci	2	*
Falmouth (Pendennis)	1019·8	-4	N	2	bc	60	65	6	5700	Cu	4	ACu	5	*
Plymouth (Cattewater)	1018·8	-4	SW	3	c+	61	75	8	2500	CuNb	4	ACu	8	*
Portland Bill	1019·0	-3	WSW	3	bc	62	85	7	1500	StCu	5	-	5	*
Southampton (Calshot)	1018·0	-4	N'W	2	c	62	65	8	5700	StCu	8	-	8	*
Dungeness	1017·9	-3	ENE	3	b-	61	65	8	1500	Cu	2	-	2	*
Jersey	1018·0	-1	NE	3	bc+	60	75	8	4000	StCu	5	-	5	*

Observations at 1800 G.M.T. 11th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1006·4	-2	WSW	5	c	53	92	7	4000	Cu	7	-	7	4
Stornoway	1005·9	-5	S	4	o	55	65	8	450	St	10	-	10	3
Wick	1006·0	-3	SW	3	bc	57	85	9	5700	Cu	4	CiSt	6	3
Castlebay	1008·3	-5	SW	5	o/r	55	85	6	800	St	10	-	10	4
Nairn	1007·6	*	W	3	bc-	59	75	8	4000	Cu	4	CiCu	6	*
Aberdeen	1007·5	-4	WNW	2	b-	65	65	8	-	-	0	Ci	1	0
Malin Head	1010·2	-6	WSW	4	o/f	57	92	7	5700	Nb	9	-	9	2
Renfrew	1012·2	-5	SW	4	o/r	56	85	6	2500	St	10	-	10	*
Edinburgh (Inchkeith)	1012·2	-3	WSW	4	o	55	85	8	-	St	10	-	10	4
Leuchars	1010·5	-4	WSW	5	bc+	56	85	7	2500	StCu	1	Ci	6	*
Eskdalemuir	1013·7	-4	SSW	4	o	50	85	7	1500	St	10	-	10	*
Tynemouth	1013·4	-3	W	1	c	57	75	6	4000	StCu	8	-	8	0
Blacksod Point														*
Donaghadee	1014·3	-4	SW	1	c-	56	85	7	-	-	0	ASt	8	0
Birr Castle		*												*
Collinstown	1015·6	-4	SW'S	3	o	57	85	7	1500	StCu	10	-	10	*
Holyhead	1015·9	-3	SW	1	o	55	85	8	4000	StCu	4	ACu	9	0
Liverpool (Bidston)	1015·0	-3	WNW	1	o+	55	85	7	1500	St	10	-	10	1
Chester (Shotwick)	1014·3	-3	WNW	2	o	55	85	7	-	-	0	ACu	10	*
Spurn Head	1016·2	-2	SE	4	bc	56	75	7	4000	CuNb	2	ACu	5	3
Nottingham	1015·3	*	SW	1	c-	55	75	5	2500	StCu	4	ACu	8	*
Cranwell	1016·2	-2	SW'S	2	c	58	65	8	2500	StCu	3	ACu	7	*
Gorleston	1017·3	-2	NE'E	2	b-	56	75	7	-	-	0	-	0	0
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1017·3	-2	W	2	c+	55	85	8	2500	StCu	8	-	8	2
Ross-on-Wye	1015·9	-2	W'S	1	o+	58	75	7	5700	StCu	8	Ci	9	*
Benson	1015·8	-3	Calm	0	c	55	85	7	5700	StCu	7	-	7	*
Andover	1015·8	-3	NNE	2	o+	57	75	8	4000	StCu	9	-	9	*
S. Farnborough	1015·6	-2	Calm	0	mbc	56	85	6	-	-	0	ACu	5	*
London (Kew Obsy.)	1015·3	-2	NW	2	b-	58	75	6	7200	Cu	3	-	3	*
Croydon	1015·8	-2	Calm	0	b	54	75	6	4000	Cu	2	-	2	*
Clacton-on-Sea	1015·7	-3	ENE	2	b	58	85	7	2500	Cu	2	-	2	0
Shoeburyness	1015·6	-2	E	1	b	53	85	8	5700	Cu	2	ACu	3	*
Grain	1015·8	-2	ENE	2	b	57	65	8	-	-	0	ASt	1	0
Lympne	1015·6	-2	NNE	2	b+	55	85	8	-	-	0	ACu	2	*
Scilly (St. Mary's)	1017·9	-3	WNW	1	b	58	75	8	4000	StCu	2	Ci	3	1
Falmouth (Pendennis)	?	-5	?	1	bc	58	75	8	5700	StCu	6	-	6	0
Plymouth (Cattewater)	1016·7	-5	NNW	3	c	57	75	8	2500	St	6	ACu	8	0
Portland Bill	1016·2	-2	WSW	2	o+	59	75	6	-	-	0	ASt	10	1
Southampton (Calshot)	1015·3	-1	N'W	2	bc	59	75	7	5700	StCu	3	ASt	4	0
Dungeness	1015·6	-2	ENE	1	b+	58	75	8	-	-	0	CiCu	2	3
Jersey	1016·5	-1	NE	2	b	58	75	8	-	-	0	-	0	2

London Observations.

24 Hours ended 0900 G.M.T. 12th (Croydon: 24 hours ended 0700). Sunshine: Yesterday. Humidity: To-day.

London Observations.	Weather Morning.	Weather After-noon.	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	omwkbcy	bybm	bmfwfw	*	*	36	-	rr	7·8	*	*
Croydon	omf bcy	bczy	bwmof	*	*	34	-	-	7·1	*	*
Greenwich (Royal Obsy.)	bc	bcb	bjbmf	65	39	29	-	-	7·3	49	83
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*	60	44	·8	-	-	6·1	52	86
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	6·9	*	*
Camden Square	b	b	*	67	43	40	-	-		*	98
Kensington Palace	ocb	b	*	64	44	35	-		*	67 (18h)	94
Hampstead Observatory	*	*	*	62	42	33	-	-	9·1	*	86

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
0·3 0·3	1800 10th 1000 11th	<0·3	0500 11th

Kew Observatory Max.	Time.	Min.	Time.
0·5 0·6	2100 10th 0600 11th	0·3	0100 11th 0300 11th

Solar Radiation.
Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 11th 19h 15m to 12th 04h 45m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	9·30	9·10	96
δ Ursae Minoris	9·30	8·49	93

Radio Disturbances (Atmospherics) at Croydon.

Time.	Type.	Number 1 sec.	Stren.	Direc.
13h.	CC 1,2	8	S	130°
18h.	CC 1,2	7	-	110°
01h.	C	7	-	80°
07h.	CC 1,2	8	-	85°

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

12th & 13th Sept., 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset G.M.T.
Yarmouth	5·23 5·25	11·49 11·49	6·16 6·13
Greenwich	5·31 5·33	11·56 11·56	6·22 6·19
Wick	5·37 5·39	12·8 12·8	6·40 6·37
Valencia	6·11 6·13	12·37 12·37	7·4 7·1

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
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.

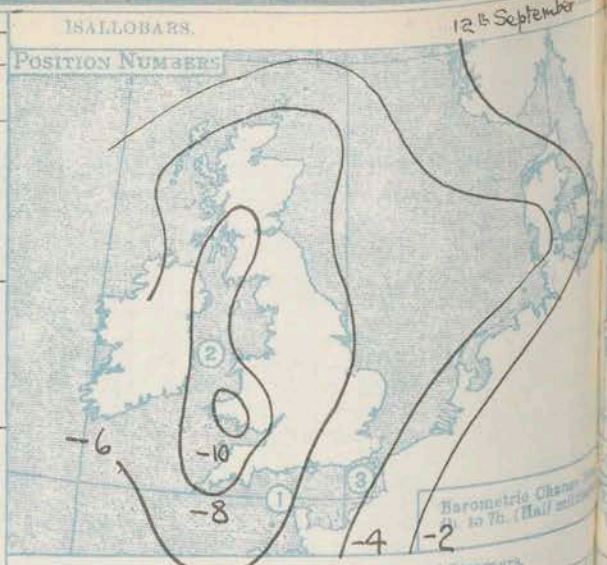
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 11	13h.-18h. 11	18h. 11 to 1h. 12	1h.-7h. 12	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	c	c	bbc	oo	55	50	•	0.3	–	<0800	–	•
Stornoway	o	o	c	b	58	42	•	–	0.4	–	–	2.3
Wick	c	c	bbc	oo	61	48	•	–	–	–	–	•
Castlebay	drfo	odpo	o	orrff	55	53	•	trace	0.4	–	–	0.7
Nairn	cbcqc		cg	cg	65	52	•	–	–	–	–	6.6
Aberdeen	b-bc	b-bc	bm	comp	67	47	37	–	trace	–	0630	7.6
Malin Head	pomd	cpoo	c	c	58	51	•	0.2	trace	11.00	0630	1.2
Renfrew	omz	oidom	om	ood.	57	52	50	–	–	–	0630	0.2
Edinburgh (Inchkeith)	oooo	o	oo					–		–		
Leuchars	c	c	oo	oo	62	51	47	–	trace	–	0630	9.1
Eskdalemuir	o	o	oodo	o	53	47	46	–	0.1	–	0530	0.5
Tynemouth	om	cm	com	om	62	49	44	–	–	–	–	•
Blacksod Point ...							•					•
Donaghadee	o	c	o	o	57	52	•	–	–	–	–	•
Birr Castle												
Collinstown	o	o	oo	orrm	57	51	•	–	4	–	0330	0.1
Holyhead	bcmoo	ocbco	c	oir.	58	52	49	–	1	–	0530	3.1
Liverpool (Bidston) ...	bcc	c	oo	oo	59	48	43	–	–	–	–	2.9
Chester (Shotwick) ...	offz	o	oom	omo	61	46	38	–	–	–	–	•
Spurn Head	b-bc	b-bc	bbc	bbc	61	48	•	–	trace	–	–	1.7
Nottingham	c	c	com	cmw	61	43	39	–	–	–	–	0.2
Cranwell	o	oc	bbcbm	bmw	60	39	32	–	–	–	–	1.4
Gorleston	bc	b-bc	bw	beif	63	42	30	–	–	–	–	11.0
Valencia (Cahirciveen)	o											
Roches Point							•					•
Pembroke (St. Ann's H.)	b-bc	b-bc	oo	oogb	59	54	•	–	0.6	–	0530	6.8
Ross-on-Wye	cmbc	bcc	coc	com	63	50	48	–	trace	–	–	3.8
Benson	o	oc	o	bw	60	36	30	–	–	–	–	•
Andover	oc	co	o	offe	62	37	33	–	–	–	–	5.0
S. Farnborough ...	c	cbcm	cbmbm	ofef	65	36	33	–	–	–	–	7.3
London (Kew Obsy.) ...	omwcbcy	bybm	bmbmwfc	bfwofw	63	43	36	–	trace	–	–	7.8
Croydon	omfbcy	bczy	bmw	bmwofb	63	40	33	–	–	–	–	7.1
Clacton-on-Sea ...	bcb		b	bbcb	62	46	43	–	–	–	–	11.8
Shoeburyness	fgbcb	bb	b	bbwbcf	64	38	30	–	–	–	–	9.7
Grain	bmbb	bbc	bbc	bdfe	61	35	31	–	trace	–	–	11.6
Lympne	ofmcbcc	bcbcbv	bbc	bbcw	61	42	34	–	–	–	–	8.1
Scilly (St. Mary's) ...	bc	bc	bcc	cob.	61	52	•	–	0.1	–	0430	10.5
Falmouth (Pendennis)	bcz	bczc	c	coi	62	51	•	–	–	–	0630	8.8
Plymouth (Cattewater)	c	c	oo	oo	62	47	•	–	–	–	–	5.9
Portland Bill	c	o	oo	oo	63	53	•	–	–	–	–	•
Southampton (Calshot)	c	b-bc	bbc	form	64	46	42	–	–	–	–	8.1
Dungeness	b-bc	b-bc	bbc	c	63	42	•	0.1	–	<0800	–	•
Jersey 7h } Guernsey 1h }	bbc	bccb	b	bcodo	61	44	•	–	trace	–	0630	8.8



Barometric Change to 7h. (Hail [illegible])

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	11th 1000	Cambria	W	3	of	52	54
1	11th 1100	Ibex	NE	5	bc	53	54

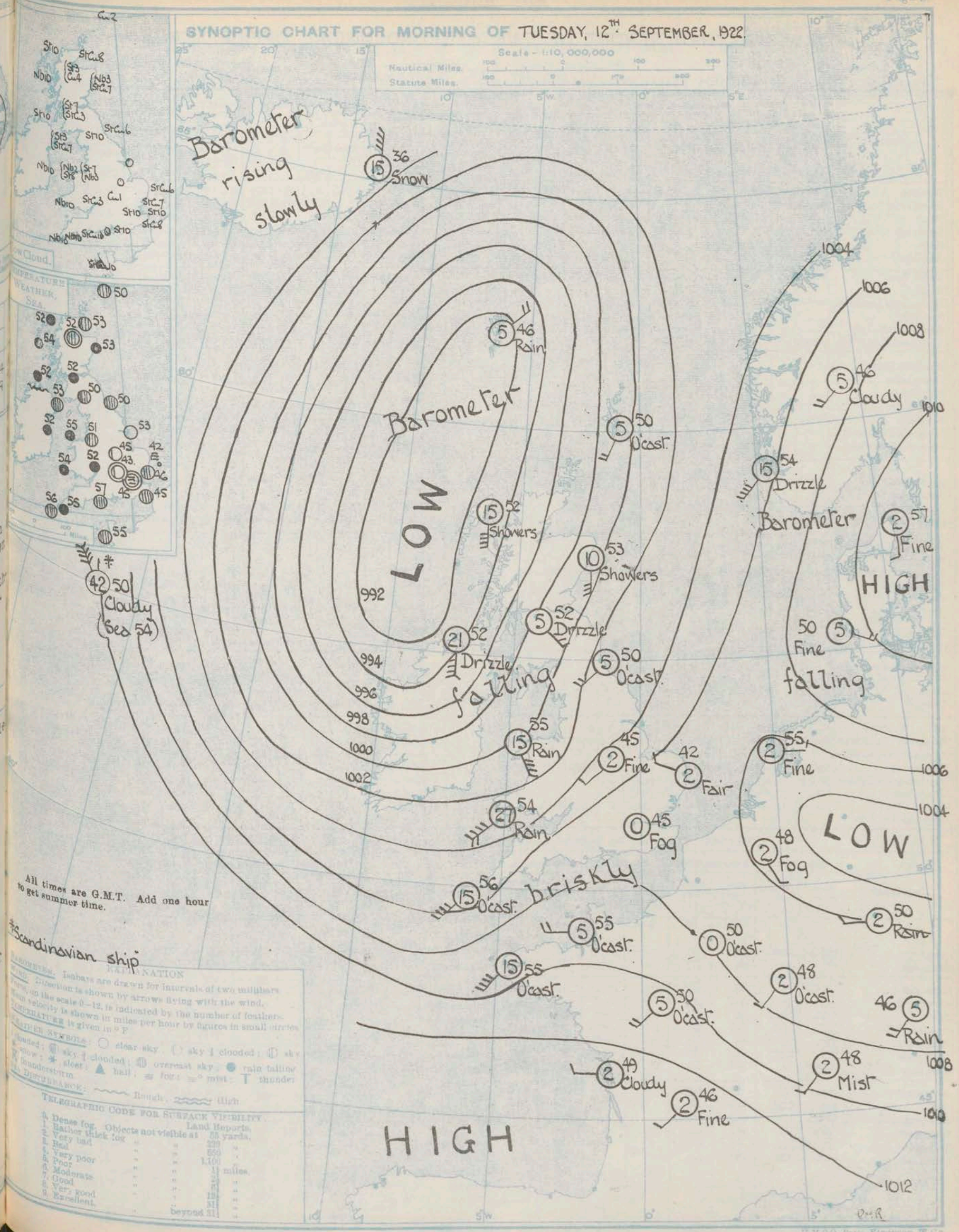
GENERAL INFERENCE.

A deep depression centred off the Hebrides will move South-eastwards causing general rain with strong wind mainly between South and West. Gales are probable on the South and South-westcoasts. Winds will subsequently become northerly with a return to cold weather.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 12th September, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind becoming fresh or strong from SW veering towards NW; rainy, brighter intervals on Wednesday; visibility mainly good; rather cold.	Cold and unsettled with Northerly winds.
4. W. Midlands 5. S.W. England	Wind SW veering to NW, strong to a gale; rainy at first, brighter intervals on Wednesday; visibility good; colder.	
6. South Wales 7. North Wales	Wind S veering towards NW or N, moderate to strong; rainy, brighter intervals later; visibility moderate to good; colder.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland	As for 14 - 16.	South Cone hoisted at 8h 30m
12. S.W. Scotland 13. Isle of Man	As for 7 - 10.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind Southerly changing later to Northerly moderate to strong; rainy, brighter intervals later; visibility mainly good; cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S veering NW or N fresh or strong, reaching gale force in places; rainy, brighter intervals later; visibility moderate to good; cold.	

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

* See Code on opposite page.



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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....TUESDAY, 12TH SEPTEMBER 1922. No. 255

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1003.5	-1	WSW	4	bc	52	92	7	4000	St.Cu	4	-	4	•
Stornoway	1001.5	-6	SW	6	0+	•	•	5	•	•	•	•	•	•
Wick	1001.5	-5	SW	3	bc	51	92	9	4000	Cu	3	Ci.St	5	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1002.6	-7	SSW	5	c-	52	97	8	5700	St.Cu	3	A.Cu	7	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1005.5	-5	SW	3	0	54	75	8	-	St.Cu	6	A.St	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1008.5	-4	W	1	0+	52	92	6	-	-	0	A.Cu	10	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1008.4	-6	SW	2	0	53	85	7	1500	St.Cu	10	-	10	•
Holyhead	1008.8	-5	SSW	3	0	55	85	8	2500	St.Cu	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1010.6	-3	SSW	4	b	51	92	7	-	-	0	Ci.St	1	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1013.3	-3	S'E	2	b-	42	97	5	-	-	0	-	0	•
Gorleston	1012.2	-3	NW	1	b	46	97	7	-	-	0	-	0	•
Valencia (Cahirciveen)	997.5	-4	WNW	3	0	56	92	7	-	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1011.0	-5	WSW	4	0	55	85	8	4000	St.Cu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	43	•	•	•	•	•	•	•	•
Croydon	1012.1	-5	SW	1	b	42	97	5	-	-	0	-	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1011.1	-4	N	3	b	45	97	8	-	-	0	A.St	2	•
Scilly (St. Mary's) ...	1013.4	-4	W	3	c+	55	85	8	2500	Cu	5	Ci.Cu	8	•
Falmouth (Pendennis)	1013.5	-4	W	1	0+	50	92	7	5700	St.Cu	9	-	9	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1013.5	-3	WNW	3	0	55	85	7	450	St	10	-	10	•
Southampton (Calshot)	1011.8	-4	NW'N	2	b	48	97	7	-	-	0	-	0	•
Dungeness	1012.5	-3	ENE	3	b	47	92	8	-	-	0	Ci.Cu	2	•
Jersey 7h }	1014.4	-2	WSW	2	b+	52	85	8	7200	St.Cu	2	-	2	•
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	999.0	-4	SSW	2	0-	50	92	7	5700	Cu	2	A.St	9	1
Stornoway	992.5	-5	S	4	opr	52	97	5	450	St	10	-	10	3
Wick	996.2	-7	S	3	0	53	85	8	5700	St.Cu	8	Ci.St	10	0
Castlebay	992.2	-7	SSE	4	orr	54	97	5	450	Nb	10	-	10	5
Nairn	995.5	•	-	0	c+	52	75	8	1500	Cu	7	-	7	•
Aberdeen	998.9	-3	S	3	opr	53	92	6	1500	St.Cu	10	-	10	0
Malin Head	992.8	-5	S	5	od	52	92	6	800	St	10	-	10	6
Renfrew	998.3	-8	SE	2	od	52	85	7	1500	St	10	-	10	•
Edinburgh (Inchkeith)														•
Leuchars	999.6	-8	S	2	0	52	85	7	2500	St.Cu	8	A.St	10	•
Eskdalemuir	999.9	-6	S'E	3	0/r	50	97	6	800	St	10	-	10	0
Tynemouth	1002.6	-6	SW	2	d	50	97	5	4000	St.Cu	10	-		
Blacksod Point ...														0
Donaghadee	998.6	-9	SW	1	0+	53	85	7	2500	St.Cu	10	-	10	•
Birr Castle													10	•
Collinstown	999.0	-9	S	2	orr	52	97	5	800	Nb	10	-	10	2
Holyhead	999.8	-6	SSE	4	0s+	55	85	8	1500	St	10	-	10	3
Liverpool (Bidston) ...	1001.8	-6	S'E	3	0+	51	92	6	1500	St	10	A.Cu	10	•
Chester (Shotwick) ...	1001.7	-6	SSE	3	0	51	92	6	2500	St	4			
Spurn Head	1003.9	-7	S	3	b	53	75	6	-	-	0	-	0	3
Nottingham	1004.7	•	SW	1	b-	45	97	5	-	-	0	A.Cu	2	•
Cranwell	1005.7	-8	SSE	3	b	45	97	6	5700	St.Cu	1	-	1	•
Gorleston	1007.4	-5	WNW	1	imbc	42	97	4	5700	St.Cu	6	-	6	0
Valencia (Cahirciveen)														
Roches Point													10	4
Pembroke (St. Ann's H.)	1002.9	-10	SW	6	or	54	92	7	1500	Nb	10	-	10	•
Ross-on-Wye	1004.8	-7	SSW	3	ojb	52	85	6	2500	St.Cu	3	A.St	1	•
Benson...	1006.2	-4	-	0	b-	43	92	6	-	Cu	1	-	10	•
Andover	1007.3	-3	-	0	mmo	40	97	3	450	St	10	A.Cu	8	•
S. Farnborough ...	1006.9	-4	-	0	ffg	40	97	2	800	St	3		10	•
London (Kew Obsy.)...	1007.3	-4	-	0	ffo	45	97	1	<150	St	10	-	0	•
Croydon	1007.6	-4	SW'S	2	b/f	46	92	6	-	-	0	-		
Clacton-on-Sea ...	1006.8	-3	NW	2	c+	46	92	6	7200	St.Cu	7	-	7	0
Shoeburyness	1007.1	-5	-	0	mc-	45	92	4	4000	St.Cu	2	A.Cu	8	•
Grain	1007.3	-8	W	1	ffo	44	97	2	<150	St	10	-	10	0
Lympne	1007.4	-2	NNW	1	c	47	97	7	5700	St.Cu	8	-	8	•
Scilly (St. Mary's) ...	1005.5	-8	SW	4	0	56	85	7	2500	Nb	10	-	10	5
Falmouth (Pendennis)	1006.4	-7	WSW	6	orr	55	85	7	4000	Nb	10	-	10	6
Plymouth (Cattewater)	1006.0	-7	SW	4	0+	56	75	7	1500	St.Cu	10	-	10	3
Portland Bill	1007.2	-4	WSW	4	0	57	85	7	2500	St	10	-	10	0
Southampton (Calshot)	1007.0	-4	N	3	Fo-	48	97	1	<150	St	10	A.St	9	2
Dungeness	1007.3	-2	N	2	0	45	97	6	1500	Cu	4	-	10	2
Jersey 7h }	1008.7	-2	W	2	o/r	55	75	8	2500	St.Cu	10			
Guernsey 1h }														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 10h.-11h. °F.	Temperature. Max. Day. 11h. °F.	Rainfall.† Night 17h.-9h. 10h.-11h. mm.	Rainfall.† Day 9h.-17h. 11h. mm.	Sunshine. Sunrise to 17h. 11h. hr.	Sunshine. Sunrise to Sunset. 10h. hr.
Banff	oc	cbcc	47	70	-	-	3.6	5.6
Montrose	-	-	41	67	-	-	6.1	4.2
Llandudno	c	c	38	62	-	-	3.2	9.2
Colwyn Bay ...	bc	bcc	44	61	-	-	4.5	10.3
Rhyl...	bcc	cbcc	40	66	-	-	4.6	10.4
Southport	oc	co	44	60	-	-	2.2	11.7
Blackpool	oc	o	45	60	-	-	0.1	12.2
Harrogate	bb	bcc	40	59	-	-	2.5	9.2
Skegness	cb	b	45	60	-	-	5.9	6.1
Aberystwyth ...	cbb	o	42	60	-	-	4.0	12.0
Bath	bco	cbc	45	60	-	-	0.9	9.5
Leamington Spa ...	owm	o	43	60	-	-	0.5	9.4
Lowestoft	bbc	b	47	60	-	-	10.5	3.6
Felixstowe	b	b	45	61	-	-	11.0	3.9
Southend	bcb	bv	44	61	-	-	8.0	4.9

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 10h.-11h. °F.	Temperature. Max. Day. 11h. °F.	Rainfall.† Night 17h.-9h. 10h.-11h. mm.	Rainfall.† Day 9h.-17h. 11h. mm.	Sunshine. Sunrise to 17h. 11h. hr.	Sunshine. Sunrise to Sunset. 10h. hr.
Paignton	wb	bcco	46	62	-	-	6.2	11.5
Ilfracombe	c	c	48	61	-	-	4.4	12.0
Bude	wbbc	bccc	38	62	-	-	5.2	11.2
Penzance	bbc	b	48	64	-	-	10.2	11.3
Falmouth Observatory	b	b	45	64	-	-	8.5	11.7
Torquay	b	b	48	62	-	-	7.5	12.0
Weymouth	c	co	47	67	-	-	27	11.4
Bournemouth ..	bbc	bc	46	63	-	-	5.5	11.8
Portsmouth (S'thsea)	cbb	b	48	64	-	-	8.6	10.3
Worthing	bbc	bc	47	63	-	-	9.2	5.9
Brighton	bc	bc	46	63	3	-	8.5	3.8
Eastbourne	cbc	bbcoc	46	63	-	-	5.6	4.6
Hastings	ocbcc	cobc	46	62	-	-	5.6	4.2
Folkestone	c	c	50	64	2	-	8.7	4.0
Tunbridge Wells ...	b	b	42	65	02	-	9.1	2.6
Ramsgate	bcb	b	50	61	-	-	9.4	5.2
Margate	b	b	55	60	-	-	9.9	3.5
Deal	cp bc	bb	54	64	1	-	9.7	3.7

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22,210 — WEDNESDAY 13TH SEPTEMBER 1922.

Observations at 1300 G.M.T. 12th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	996.7	-2	SSW	4	oro	53	85	6	2500	Nb	2	ASt	10	•
Stornoway	989.1	-3	S	4	ororo	53	85	5	450	St	10	-	10	•
Wick	992.3	-4	S	4	o/r	54	92	8	5700	Cu	5	ASt	10	•
Castlebay	986.8	-6	ESE	4	oRR	53	97	6	450	Nb	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	994.5	-3	S	3	o	55	85	6	1500	St	10	-	10	•
Malin Head	985.6	-8	SSW	4	cpro	55	92	7	1500	St	8	-	8	•
Renfrew	991.0	-7	SE	4	d/r	55	85	7	1500	St	10	-	10	•
Edinburgh (Inchkeith)	992.4	-7	SSE	3	o/r	54	85	7	-	St	4	CiSt	10	•
Leuchars	993.4	-6	SE	4	or	53	92	6	1500	Nb	10	-	10	•
Eskdalemuir	993.0	-8	SE	5	odo	51	92	6	800	Nb	10	-	10	•
Tynemouth	996.8	-6	SSW	3	o/r	56	75	6	4000	Nb	10	-	10	•
Blacksod Point														•
Donaghadee	983.9	-8	SW	3	c/r	58	75	8	4000	Cu	5	ACu	8	•
Birr Castle		•												•
Collinstown	990.6	-8	SW	2	ororo	53	92	5	800	Nb	10	-	10	•
Holyhead	993.3	-5	SSE	6	oRR	55	97	4	<150	Nb	10	-	10	•
Liverpool (Bidston)	993.9	-7	SSE	4	o/r	54	85	6	800	Nb	10	-	10	•
Chester (Shotwick)	993.9	-8	SSE	4	o/r	55	85	7	800	St	10	-	10	•
Spurn Head	996.6	-7	SE	4	bc	62	92	6	4000	Cu	5	-	5	•
Nottingham	998.2	•	SW	3	o	56	75	7	1500	Nb	2	ASt	10	•
Cranwell	996.9	-4	S'E	3	o+	59	65	7	4000	StCu	9	-	9	•
Gorleston	1002.9	-3	SSE	1	o+	57	75	6	4000	StCu	10	-	10	•
Valencia (Cahirciveen)														•
Roches Point														•
Pembroke (St. Ann's H.)	992.5	-8	WSW	8	oRR	55	92	6	1500	Nb	10	-	10	•
Ross-on-Wye	997.6	-7	S	3	opro	53	85	7	2500	Nb	3	ASt	10	•
Benson	993.0	-9	S	4	o	56	75	7	-	StCu	10	-	10	•
Andover	1000.2	-7	SW	5	ojp	53	75	8	1500	Nb	7	ASt	10	•
S. Farnborough	1000.8	-7	SW	3	o+	57	75	7	1500	StCu	4	ASt	10	•
London (Kew Obsy.)	1000.5	-8	SW'S	3	o/f	59	65	7	4000	Cu	3	ASt	10	•
Croydon	1001.7	-6	SW	3	o	57	65	8	4000	StCu	6	ASt	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1001.4	+3	SW	2	c+	63	55	6	7200	Cu	7	-	7	•
Grain	1001.5	-6	SW	4	o+	60	85	7	2500	StCu	10	-	10	•
Lympne	1001.6	-7	SW	4	bc	59	65	8	1500	Cu	6	-	6	•
Scilly (St. Mary's)	995.8	-8	W'S	3	oRR	51	97	6	800	St	10	-	10	•
Falmouth (Pendennis)	995.2	-14	SW	7	oRR	55	97	5	2500	Nb	10	-	10	•
Plymouth (Cattewater)	997.3	-10	S	6	orr	55	97	5	<150	Nb	10	-	10	•
Portland Bill	1000.8	-7	WSW	5	ororo	55	85	6	450	St	10	-	10	•
Southampton (Calshot)	1000.6	-8	WSW	5	opro	56	85	6	4000	St	10	-	10	•
Dungeness	1002.4	-5	SW	4	bc-	61	75	7	-	-	0	ACu	4	•
Jersey	998.1	-2	SW	3	o	57	85	8	2500	StCu	10	-	10	•

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	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	995.9	-1	S	5	o/r	52	92	6	-	-	0	ASt	10	4
Stornoway	987.1	-1	E	4	ororo	52	97	5	450	St	10	-	10	3
Wick	990.4	-2	SE	4	mmo	54	85	5	450	St	10	-	10	4
Castlebay	985.0	-2	E	3	oPR	53	92	6	800	Nb	10	-	10	4
Nairn	988.1	•	SE'E	1	c/r	56	75	8	4000	CuNb	8	-	8	•
Aberdeen	991.5	-2	SSE	4	o	54	92	6	1500	St	10	-	10	3
Malin Head	983.1	-2	W	3	o/r	55	85	7	1500	CuNb	9	-	9	4
Renfrew	987.2	-4	ESE	3	ororo	53	92	6	800	Nb	10	-	10	•
Edinburgh (Inchkeith)	988.2	-5	SSE	3	oro	55	75	7	-	-	0	CiSt	10	5
Leuchars	989.3	-4	SE	3	ororo	53	92	6	1500	Nb	6	ASt	10	*
Eskdalemuir	988.5	-4	SE	4	ododo	50	92	6	1500	Nb	10	-	10	•
Tynemouth	992.6	-4	SSW	3	oro	53	85	6	4000	Nb	10	-	10	0
Blacksod Point														•
Donaghadee	985.5	-5	SSW	1	ororo	54	92	7	2500	St	10	-	10	0
Birr Castle		•												•
Collinstown	985.8	-4	SW	2	o-	53	97	7	2500	StCu	5	ASt	10	•
Holyhead	984.9	-7	S'W	3	or-	54	97	6	<150	CuNb	10	-	10	3
Liverpool (Bidston)	987.6	-6	SE	5	o/r	51	92	6	800	Nb	10	-	10	4
Chester (Shotwick)	987.1	-8	SSE	4	ododo	52	92	6	800	St	10	-	10	•
Spurn Head	993.2	-3	SSE	4	o	57	85	7	4000	StCu	3	ASt	9	4
Nottingham	992.1	•	SSE	2	oro	53	85	7	1500	Nb	10	-	10	•
Cranwell	993.5	-6	SE	4	oro	53	85	6	2500	Nb	10	-	10	•
Gorleston	997.4	-4	S'W	4	c+	56	85	7	4000	StCu	6	CiSt	8	4
Valencia (Cahirciveen)														•
Roches Point														•
Pembroke (St. Ann's H.)	987.5	-3	W'N	4	c/r	55	85	8	2500	CuNb	8	-	8	6
Ross-on-Wye	9[illegible]4	-12	SSE	3	oPR+	52	92	6	7200	Nb	10	-	10	•
Benson	992.5	-9	SSE	5	odo	53	75	6	-	Nb	10	-	10	•
Andover	992.4	-11	SSE	4	ororo	51	97	7	800	Nb	8	ASt	10	•
S. Farnborough	993.7	-9	SSW	5	odo	55	75	8	1500	Nb	10	-	10	•
London (Kew Obsy.)	994.1	-8	SSE	3	o	55	75	6	4000	Nb	7	ASt	10	•
Croydon	995.3	-7	S	3	oro	54	75	7	1500	Nb	10	-	10	•
Clacton-on-Sea	996.8	-4	SSW	4	c+	58	75	7	2500	StCu	8	-	8	2
Shoeburyness	996.0	-11	S'W	4	oro	59	92	6	2500	CuNb	3	ACu	9	•
Grain	996.4	-6	S	4	o/r	56	85	7	1500	Nb	4	ASt	9	0
Lympne	996.7	-6	SSW	4	o	55	75	7	1500	Nb	7	CiSt	10	•
Scilly (St. Mary's)	990.9	-5	WNW	6	bc/r	55	85	8	2500	CuNb	6	-	6	6
Falmouth (Pendennis)	989.0	-8	WNW	4	o/r	55	92	7	2500	CuNb	9	-	9	1
Plymouth (Cattewater)	988.7	-8	WSW	1	oR-	54	92	8	1500	Nb	9	-	9	3
Portland Bill	988.6	-10	S	8	oRR	55	85	8	450	St	10	-	10	7
Southampton (Calshot)	992.3	-12	S'E	6	orr	55	92	6	1500	St	10	-	10	3
Dungeness	996.7	-7	SW	5	c+	57	55	7	2500	Cu	5	Ci	7	4
Jersey	994.3	-6	S	4	orr	55	85	7	1500	Nb	10	-	10	3

London Observations (Weather, Temperature, Rainfall: 24 hours ended 0000 G.M.T. 13th; 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	ofwbmco	oo	omoybc	•	•	45	-	4	1.9	•	•
Croydon (24 hours ended 0700)	b'm2o	oir	or°mor	•	•	44	Tr	8	4.5	•	•
Greenwich (Royal Obsy.)	bco	od	odrcbc	65	48	43	-	2	3.0	63	74
City (Bunhill Row)	•	•	•	•	•	•	•	-		•	•
Westminster (St. James' Pk.)	•	•	•	62	50	•	4.1		2.7	64	76
Regent's Pk. (Botanic Gdns.)	•	•	•	•	•	•	•	•	2.7	•	•
Camden Square	bc	bc	•	63	49	46	-	5	•	•	81
Kensington Palace	bo	o	•	61	49	45	-	4	•	76(BL)	82
Hampstead Observatory	•	•	•	60	48	42	Tr	6	3.6	•	87

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1600 G.M.T. 12th

	Max.	Time.	Min.	Time.
South Kensington	-	-	-	-
Kew Observatory	0.6	2100 11th	<0.3	1300 12th
	1.1	0800 12th		

SOLAR RADIATION. Vertical component per square centimetre. During yesterday. South Kensington.
Total .... joules
Average Rate .... Milliwatts.
Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy. Exposure from 12th 19h 15m. to 13th 04h 45m.

Stars.	Exposure h. m.	Record h. m.	Record %
Polaris	9-30	0-0	0
δ Ursae Minoris	9.30	0-0	0

RADIO DISTURBANCES (Atmospherics) AT CROYDON.

Time.	Type.	No. per sec.	Stren.	Direc.
13h.	C,C2	7	-	135°
18h.	C,C2	7	-	100°
Mn.	C,Cf2	8	-	140°
07h.	C,C3	8	-	145°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 13th & 14th SEPTEMBER 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.25 / 5.27	11.49 / 11.49	6.13 / 6.11
Greenwich	5.33 / 5.35	11.56 / 11.56	6.19 / 6.17
Wick	5.39 / 5.41	12.8 / 12.8	6.37 / 6.35
Valencia	6.13 / 6.15	12.31 / 12.37	7.1 / 6.59

BEAUFORT NOTATION OF WEATHER.

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

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

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

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

SEA DISTURBANCE.
0 = no swell } Calm or
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.

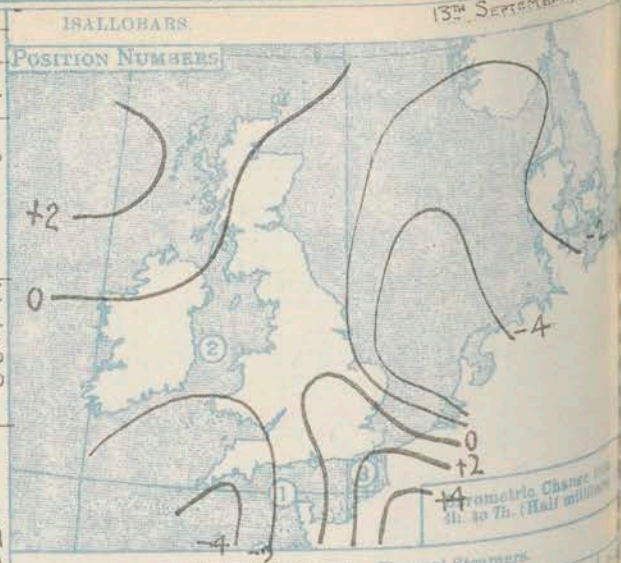
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h. 12	13h.–18h. 12	18h. 12 to 1h 13	1h.–7h. 13	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	c	r-d	b bc	c	54	50	•	1	–	12.30	–	•
Stornoway	r-d	r-d	c	oo	54	48	•	3	0.2	<0800	–	0.0
Wick	orro	irmm	omir	odme	55	52	•	1	0.3	0900	2200	•
Castlebay	rfRr	Rcop	oporr	rro	55	52	•	11	8	–	–	1.0
Nairn	cpr9		cgp	bc	59	49	•	1	0.3	09.00	2400	0.7
Aberdeen	pro om	omropr	omiro	ircmw	55	52	48	trace	1	<08.00	<2100	0.0
Malin Head	opro	Pomco	oiro	rord	56	52	•	2	0.4	–	<2100	0.8
Renfrew	mror	oroqo	omrr	orrm	57	49	48	5	4	<0800	<2100	0.2
Edinburgh(Inchkeith)	r-d	oo	r-d	oo	?	51	49	5	2	–	0236	0.0
Leuchars	r-d	orrm	r-d	rord	55	51	49	3	2	<0800	<2100	0.0
Eskdalemuir	oiro	odom	odom	odo	51	42	46	2	2	<0800	<2100	0.0
Tynemouth	oprom	rorom	rorm	dodm	56	52	49	1	1	09.00	<2100	•
Blacksod Point ...							•					•
Donaghadee	cr	iro	omr	omr	59	51	•	3	8	<0800	<2100	•
Birr Castle												
Collinstown	r-d	r-d	c	bbc	58	45	•	5	–	<0800	–	1.9
Holyhead	oDDRR	r-d	oor	oRRrr	55	50	47	22	20	<0800	<2100	0.0
Liverpool (Bidston) ...	or	od	rord	rord	55	49	47	2	8	<0800	<2100	0.0
Chester (Shotwick) ...	oprmo	orrprdd	orrl	arroff	55	48	44	1	6	<0800	<2100	•
Spurn Head	b.bc	c	oo	oo	64	52	•	–	1.	–	0130	7.1
Nottingham	bc	rorr	rorm	rrf	58	50	50	1	4	12.30	<2100	2.2
Cranwell	ccc	r-d	orrm	rrf	62	49	47	0.1	8	16.30	<2100	5.5
Gorleston	cifo	bbcc	bcq	oqiR	58	52	50	–	4	–	2400	2.0
Valencia (Cahirciveen)												
Roches Point							•					•
Pembroke (St. Ann's H.)	oqrr	oo	bbc	b	56	49	•	19	1	<0800	2200	0.0
Ross-on-Wye	pir	or	orc	bcbw	54	45	41	3	9	12.30	<2100	0.0
Benson...	bco	oro	oR	bc	57	45	37	0.3	5	–	<2100	•
Andover	omopro	orrro	orr	cbc	58	45	37	0.3	8	12.30	<2100	0.0
S. Farnborough ...	cfcmo	ororrod	RoiRH	iR	57	45	40	1	8	13.30	<2100	1.9
London (Kew Obsy.)...	ofwbmco	oo	omor	orbbw	59	49	45	–	4	–	<2100	1.9
Croydon	bmzo	oiro	oromrr	ormcb	61	49	44	trace	8	15.30	<2100	4.5
Clacton-on-Sea ...	cmbcc		c	cor	61	53	52	–	3	–	0330	4.9
Shoeburyness	febbc	cor	or	orc	65	51	49	trace	5	17.30	<2100	3.0
Grain	ccbco	ocro	oR	oRbc	64	51	45	trace	5	16.30	<2100	2.9
Lympne	cocm	cbcco	cqrrm	rRmfd	61	43	47	–	2	–	0530	2.6
Scilly (St. Mary's) ...	omR	omrcq	cqp	cqp	57	50	•	19	2	<0800	2400	0.6
Falmouth (Pendennis)	omrq	omrqo	ocpq	cpqc	62	50	•	16	1	<0800	<2100	0.2
Plymouth(Cattewater)	r-d	r-d	orcpr	cqpr	57	52	47	26	2	<0800	<2100	0.0
Portland Bill	cor	r-d	c	c	60	52	•	6	16	<0800	<2100	•
Southampton(Calshot)	p	orofom	rqrqorr	rocbc	58	50	46	0.2	10	11.00	–	0.1
Dungeness	c	c	qRr	rodw	62	53	•	–	8	–	2200	•
Jersey 7h } ...	oco	ocrr	orr	orrqp	59	46	•	5	16	1630	<2100	0.0
Guernsey 1h }												



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
3	12th 0200	Brighton	NNE	2	bcjb	56	60
2	12th 1010	Cambria	SSW	7	?	54	54
1	12th 1200	Reindeer	WSW	5	orr	55	59
3	13th 0200	Arundel	WSW	6	R–	58	59

GENERAL INFERENCE.

The depression which was off the Hebrides yesterday morning is now centred over Cheshire and moving slowly Southwest. Rain is probable in all parts of England today with showers in Ireland and Scotland.

Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday 13th September 1922.

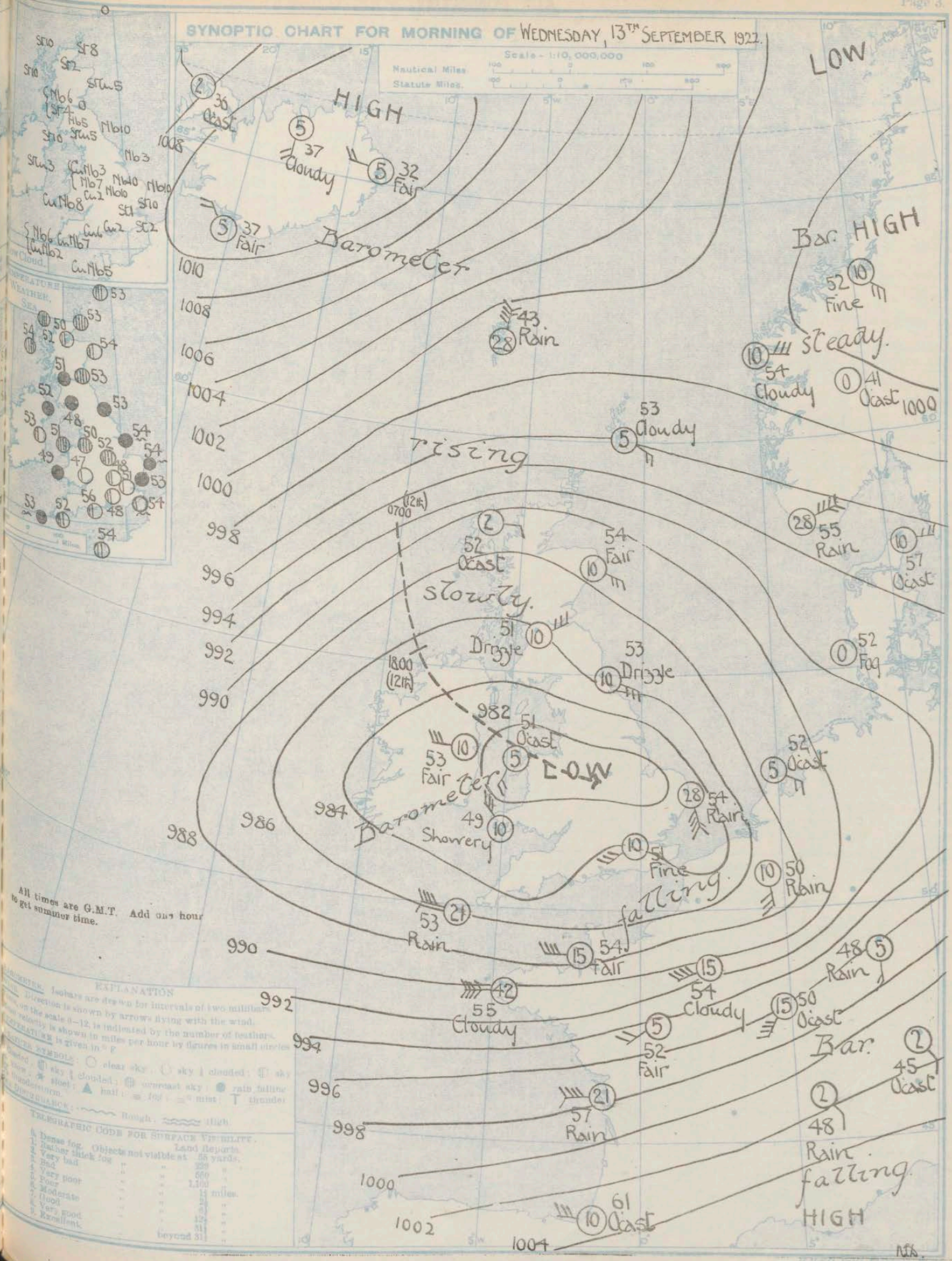
Districts.	Forecast	Further Outlook.
1. S.E. England	Wind SW veering NW moderate to strong; some rain or showers, then fairer; visibility good; rather cold.	Cold and unsettle
2. E. England 3. E. Midlands	Wind SE backing towards N fresh or strong; rainy at first improving later; visibility good; rather cold.	
4. W. Midlands 5. S.W. England 6. South Wales	Wind W veering towards N fresh or strong; moderating; cloudy some rain or showers; visibility good; rather cold.	
7. North Wales 8. N.W. England	Wind mainly Northerly moderate; cloudy, some rain or showers; visibility moderate; rather cold.	
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind Easterly moderate; cloudy some rain or showers; visibility moderate; rather cold.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind between E and NE moderate, fresh at times; cloudy some showers; visibility good; rather cold.	South cone hoisted at 0830 12th. North cone hoisted at 1945 12th.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind northerly moderate; cloudy some showers, brighter intervals; visibility mainly good; rather cold.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930 GMT

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

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 13TH SEPTEMBER 1922.



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.
TEMPERATURE is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: ○ clear sky; ◐ sky ½ clouded; ◑ sky ¾ clouded; ● overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ≡ mist; T thunder; ⚡ thunderstorm.
SURFACE WAVE: ~~~ Rough; ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

		Land Reports.
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	"	1 mile.
5. Poor	"	2 "
6. Moderate	"	4 "
7. Good	"	12 "
8. Very good	"	31 "
9. Excellent	beyond	31 "

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION..WEDNESDAY, 13TH SEPTEMBER 1922. No. 256...

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	995.3	0	SSE	4	b-	51	92	7	-	-	0	A.Cu	3	•
Stornoway	989.5	0	-	0	o/r	•	•	5	•	•	•	•	•	•
Wick	990.1	0	S	5	ar	52	92	8	800	St	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	982.4	-1	NE	3	or+	53	97	6	1500	St	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	986.3	-2	ESE	3	or+	52	92	8	+	Nb	10	-	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	988.3	-4	S	1	or	52	97	6	4000	Nb	10	-	10	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	983.9	-1	W'S	2	c	47	97	7	2500	St.Cu	6	A.St	8	•
Holyhead	984.5	-1	W	4	aR	53	97	6	800	Nb	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	985.5	-5	SE'S	6	obr	55	85	8	-	-	0	A.St	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	985.9	-7	E'S	4	orr	49	97	5	2500	Nb	10	-	10	•
Gorleston	990.2	-4	S'E	6	ajb	54	85	7	4000	Nb	10	-	10	•
Valencia (Cahirciveen)														•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	985.1	-2	WNW	6	bc+	54	85	8	2500	Cu	6	-	6	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	51	•	•	•	•	•	•	•	•
Croydon	983.6	-10	SSE	4	orr	52	97	6	1500	Nb	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	985.7	-10	S'E	5	orr	53	97	6	800	Nb	10	-	10	•
Scilly (St. Mary's) ...	988.8	-2	W'N	6	cpr	54	85	8	4000	CuNb	7	-	7	•
Falmouth (Pendennis)	987.6	-2	W	4	c	52	92	7	2500	CuNb	8	-	8	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	986.3	0	WNW	6	c-	55	85	7	-	-	0	A.St	7	•
Southampton (Calshot)	984.8	-1	WNW	4	aR	53	97	7	450	Nb	10	-	10	•
Dungeness	985.8	-9	SSW	7	oRR	55	97	7	1500	Nb	10	-	10	•
Jersey (7h)	987.8	0	W	6	c/r	54	85	7	4000	CuNb	8	-	8	•
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	996.2	+1	ESE	2	c-	53	92	6	-	-	0	A.St	7	1
Stornoway	988.1	+1	E	1	0	52	92	5	800	St	10	-	10	0
Wick	990.7	+1	ESE	2	o/f	53	97	7	225	St	8	A.Cu	10	1
Castlebay	987.2	+2	NNE	3	o/r	54	85	6	800	St	10	-	10	3
Nairn	989.0	•	E	1	bc-	50	92	8	1500	St	2	Cu.Cu	5	•
Aberdeen	989.6	-1	ENE	3	bc-	54	97	5	4000	St.Cu	5	-	5	3
Malin Head	983.9	+3	NE'E	5	orr	55	97	6	5700	Nb	10	-	10	5
Renfrew	986.0	0	ENE	3	od	51	92	5	2500	Nb	10	-	10	•
Edinburgh (Inchkeith)	986.1	-1	E	3	o-	53	92	7	-	-	0	Cu.St	9	3
Leuchars	988.4	-1	E	3	o-	54	92	7	450	St	9	-	9	•
Eskdalemuir	985.1	-1	NE	3	od	48	85	7	1500	Nb	10	-	10	•
Tynemouth	987.0	-1	ESE	3	od	53	92	6	4000	Nb	10	-	10	4
Blacksod Point ...	983.1	0	SE	3	orr	52	92	6	1500	St	10	-	10	4
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	0
Collinstown	982.6	-1	W	3	bc	53	97	6	2500	St.Cu	3	A.St	5	•
Holyhead	981.2	-1	SSW	2	o/r	51	97	6	1500	Cu.Nb	10	-	10	3
Liverpool (Bidston) ...	981.0	-1	SSW	1	o/r	50	97	7	1500	Nb	10	-	10	•
Chester (Shotwick) ...	980.3	-1	-	0	ffo	49	97	3	2500	St.Cu	10	-	10	•
Spurn Head	981.8	-4	SE	6	obr	54	92	6	4000	Nb	3	A.St	10	6
Nottingham	981.1	•	S	1	o	51	97	5	1500	Nb	10	-	10	•
Cranwell	981.6	-4	SE'E	3	orr	51	97	6	450	Nb	10	-	10	•
Gorleston	983.7	-5	SSE	6	oR	54	97	6	4000	Nb	10	-	10	6
Valencia (Cahirciveen)														•
Roches Point	983.7	-2	NNW	3	cPR-	49	85	8	2500	Cu.Nb	8	-	8	5
Pembroke (St. Ann's H.)	983.9	-1	SW	2	b-	47	65	8	5700	Cu	2	Ci	3	•
Ross-on-Wye	983.5	+1	SW	3	bc	48	92	8	-	Cu	5	-	5	•
Benson...	984.2	-1	WSW	3	b-	48	97	8	2500	St.Cu	3	-	3	•
Andover	984.1	0	SW	3	bc+	48	97	8	2500	Cu	1	A.Cu	4	•
S. Farnborough ...	984.3	+1	SW	3	b/r	51	85	6	2500	St	1	A.Cu	3	•
London (Kew Obsy.)...	984.2	+1	SW	3	b-	50	92	8	4000	St.Cu	1	A.Cu	3	•
Croydon	982.8	0	WSW	4	or-	53	92	6	1500	St	10	-	10	2
Clacton-on-Sea ...	983.7	0	WSW	2	c/r	53	85	6	4000	Cu	2	A.Cu	6	*
Shoeburyness	983.7	0	SW	4	bc/r	52	92	7	4000	St.Cu	3	Ci.Cu	4	0
Grain	984.7	+2	WSW	3	b	50	97	8	450	St	2	A.Cu	3	•
Lympne	985.8	-3	W'N	5	cRR	53	92	7	4000	Nb	8	-	8	6
Scilly (St. Mary's) ...	984.7	-4	W	4	c/r	52	92	7	2500	CuNb	7	-	7	1
Falmouth (Pendennis)	984.8	-2	W	4	bcPR	53	85	7	450	Nb	6	-	6	1
Plymouth (Cattewater)	983.7	-2	W	5	bc-	56	85	7	800	Cu	6	-	6	5
Portland Bill	984.4	+1	W'S	3	b/r	53	85	8	2500	Cu	2	-	2	0
Southampton (Calshot)	984.6	0	W	4	b/r	54	85	8	-	-	0	-	1	6
Dungeness	985.7	0	W	4	bc/r	54	85	8	4000	CuNb	5	Ci.Cu	5	3
Jersey (7h)														
Guernsey (1h)														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR... 12TH SEPTEMBER

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 11-12	Temperature. Max. Day. 12	Rainfall† Night 17h.-9h. 11-12	Rainfall† Day 9h.-17h. 12	Sunshine. Sunrise to 17h. 12	Sunshine. Sunrise to Sunset. 11
			°F.	°F.	mm.	mm.	hr.	hr.
Banff	oc	oz	44	58	0·1	0·1	0·6	6·0
Montrose	-	-	51	55	-	1	0·0	7·0
Llandudno	od	dd	46	57	1	0·2	0·0	3·2
Colwyn Bay ...	co	cpc	53	58	1	1	0·0	4·5
Rhyl...	po	o	50	58	0·2	-	0·0	4·6
Southport	or	RR	50	54	-	5	0·0	2·3
Blackpool	o	or	50	55	-	5	0·0	0·1
Harrogate	m	ompr	47	57	-	1	0·0	2·5
Skegness	bc	c	42	63	-	-	7·2	5·9
Aberystwyth ...	roc	o	52	60	1	3	0·0	4·0
Bath	o	d	42	56	-	1	0·0	0·9
Leamington Spa ...	ow	od	40	56	-	0·4	0·0	0·5
Lowestoft	o	ocb	44	59	-	-	2·8	11·5
Felixstowe	om	c	43	62	-	-	4·9	11·7
Southend	mbc	co	45	65	-	-	2·7	9·8

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 11-12	Temperature. Max. Day. 12	Rainfall† Night 17h.-9h. 11-12	Rainfall† Day 9h.-17h. 12	Sunshine. Sunrise to 17h. 12	Sunshine. Sunrise to Sunset. 11
			°F.	°F.	mm.	mm.	hr.	hr.
Paignton	oror	orma	48	57	-	15	0·0	6·9
Ilfracombe	or	or	52	56	0·4	3	0·0	4·5
Bude	oor	rRR	50	62	-	13	0·0	6·7
Penzance	or	oR	51	57	1	26	0·0	8·5
Falmouth Observatory	or	r	51	56	-	23	0·0	7·5
Torquay	r	r	50	57	0·3	14	0·0	2·9
Weymouth	odp	oor	42	59	-	4	0·0	5·3
Bournemouth ...	oor	or	44	57	-	1	0·3	3·1
Portsmouth (S'thsea)	o	o	45	59	-	-	0·2	9·2
Worthing ...	bcc	co	42	60	-	-	3·5	9·2
Brighton	bbco	o	41	60	-	-	3·5	5·6
Eastbourne	bbc	copo	42	64	-	0·3	5·4	6·1
Hastings	bbc	bcop	47	63	-	trace	5·3	9·0
Folkestone	o	o	49	63	-	-	2·7	9·8
Tunbridge Wells ...	bbc	copo	47?	62	-	0·2	4·1	10·1
Ramsgate	bcb	bbc	47	63	-	-	6·4	10·6
Margate	cbc	bbcc	53	63	-	-	5·4	10·5
Deal	czbc	bcc	47	63	-	-	5·6	

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22211 THURSDAY, 14TH SEPTEMBER 1922.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	996·4	0	E	3	c	54	85	7	5700	StCu	2	ACu	7	*
Stornoway	990·5	+2	ENE	2	c-	58	85	5	-	-	0	ASt	8	*
Wick	991·4	+2	E	3	c-	55	85	7	5700	StCu	8	-	8	*
Castlebay	990·3	+2	NNE	3	0	56	75	6	1500	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	990·0	+1	ENE	3	or0	55	97	6	1500	Nb	10	-	10	*
Malin Head	986·5	+3	NE'E	5	o/r	55	92	6	2500	Nb	10	-	10	*
Renfrew	987·7	+2	E	4	or+	52	85	7	800	Nb	10	-	10	*
Edinburgh (Inchkeith)	986·8	+1	E	4	o	55	92	7	-	-	0	ASt	10	*
Leuchars	988·0	0	ENE	4	c	56	92	7	450	St	5	ACu	8	*
Eskdalemuir	985·3	0	NNE	4	or0r0	51	92	6	1500	Nb	10	-	10	*
Tynemouth	986·8	0	ESE	3	or0r0	53	97	6	4000	Nb	10	-	10	*
Blacksod Point														*
Donaghadee	984·9	+2	E	2	or0r0	55	85	7	4000	St	10	-	10	*
Birr Castle	*	*												*
Collinstown	983·6	+1	NW	2	orr	52	92	5	450	Nb	10	-	10	*
Holyhead	982·1	+1	W	2	c	56	85	8	2500	Cu	7	ACu	8	*
Liverpool (Bidston)	981·8	0	NW	1	bc-	56	75	8	2500	StCu	6	-	6	*
Chester (Shotwick)	980·9	+1	NW	3	c-	60	65	8	4000	Cu	7	-	7	*
Spurn Head	981·8	0	SW'S	2	bc/r	60	85	6	4000	Cu	5	-	5	*
Nottingham	981·5	*	SW	2	bc-	60	65	7	2500	Cu	3	CiSt	6	*
Cranwell	982·1	+1	SSW	2	0	58	75	7	2500	Cu	6	ACu	9	*
Gorleston	984·9	-1	SW	2	c	61	85	7	4000	CuNb	8	-	8	*
Valencia (Cahirciveen)	990·9	+3	WNW	8	o/r	53	92	6	-	St	10	-	10	*
Roches Point														*
Pembroke (St. Ann's H.)	983·9	+1	WNW	3	cpr0	54	85	8	2500	CuNb	8	-	8	*
Ross-on-Wye	981·0	-1	NW'N	2	o/r	54	75	7	4000	CuNb	8	Ci	9	*
Benson	982·2	-1	SSE	3	cjp	57	65	8	-	CuNb	7	-	7	*
Andover	983·5	-1	W	3	orr	51	92	8	1500	Nb	6	ASt	10	*
T. Farnborough	983·6	-1	SW	2	oPR-	56	85	8	1500	Cu	9	-	9	*
London (Kew Obsy.)	983·5	-1	S'W	3	bw/r	58	75	8	4000	CuNb	6	-	6	*
Croydon	983·6	-1	SW'S	4	cjp	57	75	7	2500	Nb	7	-	7	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	-	*	*
Shoeburyness	984·2	+1	SSW	1	bc/r	62	75	6	4000	Cu	4	Ci	5	*
Grain	984·4	+0	SSW	4	bc/r	61	65	8	2500	CuNb	4	Ci	5	*
Lympne	985·1	+0	SW	6	cjp	58	45	8	1500	CuNb	6	CiSt	8	*
Scilly (St. Mary's)	985·3	0	NW'W	6	oPH	55	92	8	4000	CuNb	10	-	10	*
Falmouth (Pendennis)			NW	4	c/r	58	75	8	4000	CuNb	7	-	7	*
Plymouth (Cattewater)	984·2	+0	WSW	4	cPR	55	85	8	1500	CuNb	8	-	8	*
Portland Bill	982·9	-2	WSW	6	bcjp	57	75	7	800	Cu	6	-	6	*
Southampton (Calshot)	983·5	-1	SW	5	c/r	60	75	8	2500	StCu	6	ACu	8	*
Dungeness	984·7	0	W	4	bc	59	75	8	4000	Cu	3	CiCu	5	*
Jersey 7h	986·5	0	WSW	6	o/r	58	75	8	4000	StCu	10	-	10	*
Guernsey 1h														

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	996·8	0	E'N	3	opr0	52	85	7	4000	Nb	9	-	9	2
Stornoway	992·2	+2	NE	2	b-	55	92	6	-	-	0	ASt	3	1
Wick	992·5	+1	NE	5	ocdd0	53	97	6	800	St	10	-	10	3
Castlebay	990·9	+2	NNW	3	mnc	58	75	6	2500	St	7	-	7	3
Nairn	992·0	*	ENE	2	o/r	54	85	7	1500	St	9	-	9	*
Aberdeen	990·9	+1	NE'N	2	0	54	97	6	1500	St	10	-	10	0
Malin Head	988·7	+2	NE	4	or0	55	92	6	2500	StCu	10	-	10	5
Renfrew	988·4	+1	NNE	3	o	55	75	7	1500	St	9	ASt	10	*
Edinburgh (Inchkeith)	987·8	+2	ENE	5	o	54	92	7	-	St	4	ASt	10	4
Leuchars	989·3	+2	NE	4	o	54	92	7	800	St	10	-	10	*
Eskdalemuir	986·7	+2	NNE	4	ojp	51	85	7	1500	StCu	6	ASt	10	*
Tynemouth	986·5	0	NE	4	or0	54	92	6	4000	Nb	10	-	10	4
Blacksod Point														*
Donaghadee	987·0	+1	ENE	3	opr0	55	85	7	2500	St	10	-	10	2
Birr Castle	*	*												*
Collinstown	986·1	+4	N	4	or0r0	53	97	5	800	Nb	10	-	10	*
Holyhead	983·3	+1	N	2	c	56	85	8	2500	Cu	4	ACu	7	1
Liverpool (Bidston)	982·9	+1	WNW	3	ct	54	85	8	1500	CuNb	5	CiCu	8	3
Chester (Shotwick)	982·1	+2	WNW	3	0	55	92	8	4000	Cu	1	ACu	9	*
Spurn Head	982·5	+1	SE	4	b	57	85	6	4000	Cu	2	-	2	6
Nottingham	982·3	*	S	1	b-	55	85	6	1500	StCu	1	-	1	*
Cranwell	982·6	+1	ESE	2	bc	57	75	8	2500	CuNb	4	-	4	*
Gorleston	982·5	0	S'W	3	bc-	56	85	7	4000	CuNb	4	-	4	2
Valencia (Cahirciveen)	994·0	+4	NW'W	6	oRR	51	97	6	-	St	10	-	10	
Roches Point														*
Pembroke (St. Ann's H.)	984·8	+2	NW	3	bc	55	75	8	4000	StCu	5	-	5	5
Ross-on-Wye	982·9	+1	SSW	1	c/dr	53	85	7	5700	Cu	5	CiSt	8	*
Benson	983·1	0	SW	1	cPR	51	85	8	-	Cu	8	-	8	*
Andover	983·4	0	Calm	0	or0	50	85	8	2500	Nb	6	ASt	9	*
T. Farnborough	983·7	+0	SW'W	1	o/dr	51	85	9	1500	CuNb	9	-	9	*
London (Kew Obsy.)	983·4	-0	S	2	opr0	56	75	8	2500	CuNb	9	-	9	*
Croydon	983·7	-0	SSW	2	bcjp	54	85	8	1500	CuNb	4	Ci	6	*
Clacton-on-Sea	984·3	0	SSW	5	bc	57	85	7	4000	Cu	5	-	5	4
Shoeburyness	984·0	-0	S'W	2	cjp	55	85	7	4000	Cu	7	-	7	*
Grain	984·0	-0	S	4	c/r	54	85	8	2500	CuNb	5	Ci	7	1
Lympne	984·4	-1	SW	4	ojp	54	85	8	1500	CuNb	7	Ci	9	*
Scilly (St. Mary's)	985·7	+0	NW'W	8	oRR	54	92	6	2500	Nb	10	-	10	8
Falmouth (Pendennis)	984·7	+2	NW	2	cPR	52	92	7	4000	CuNb	7	-	7	0
Plymouth (Cattewater)	983·7	-0	W	3	cjp	55	85	8	4000	CuNb	7	-	7	0
Portland Bill	982·9	0	WSW	5	bc	57	75	7	800	Cu	6	-	6	4
Southampton (Calshot)	983·1	+0	WSW	4	ojp	55	85	8	800	StCu	10	-	10	0
Dungeness	984·4	-1	WSW	5	bcR	56	85	8	1500	Cu	6	-	6	6
Jersey 7h	986·0	0	WSW	6	o/r	57	85	8	2500	StCu	10	-	10	6
Guernsey 1h														

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 14TH								YESTERDAY.	TO-DAY.	
Kew } 24 hours ended 0700 Croydon }	bmnoc	cpr0p	bofwom	*	*	36	0.1	0.2	8.5	*	*
Greenwich (Royal Obsy.)	bmorrc	copbc	prromf	*	*	39	4	0.3	8.0	*	*
City (Bunhill Row)	cclr	bcp	bjpom	65	44	34	5	tra	8.8	63	88
Westminster (St. James' Pk.)	*	*	*	*	*	*	*	*	*	*	*
Regent's Pk. (Botanic Gdns.)	*	*	*	63	45	*		0.5	7.4	60	61
Camden Square	*	*	*	*	*	*		*	6.2	*	*
Kensington Palace			*						*	*	
Hampstead Observatory	omc	co	*	62	44	37	0.1	-	*	80	92
	*	*	*	62	43	32	0.3	-	7.2	*	96

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 13TH

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..... joules

Average Rate

.....Milliwatts

Maximum Rate

.....Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 13th 19 h. 15 m. to 14th 04 h. 45 m.

Stars.	Exposure. h. m.	Record h. m.	%
Polaris	9.30	6.15	66
δ Ursae Minoris	9.30	4.34	48

RADIO DISTURBANCES (Atmospherics) AT CROYDON.‡

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C,C2	7	-	155
16h.	C,C2	8	6	140
19h.	C,C2	8	-	130
22h.	C,C2	8	-	90

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

14th & 15th SEPT., 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.27 / 5.28	11.49 / 11.48	6.11 / 6.9
Greenwich	5.35 / 5.36	11.56 / 11.55	6.17 / 6.13
Wick	5.41 / 5.43	12.8 / 12.7	6.35 / 6.32
Valencia	6.15 / 6.16	12.37 / 12.36	6.59 / 6.57

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—10,000 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; 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:—

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 } 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.

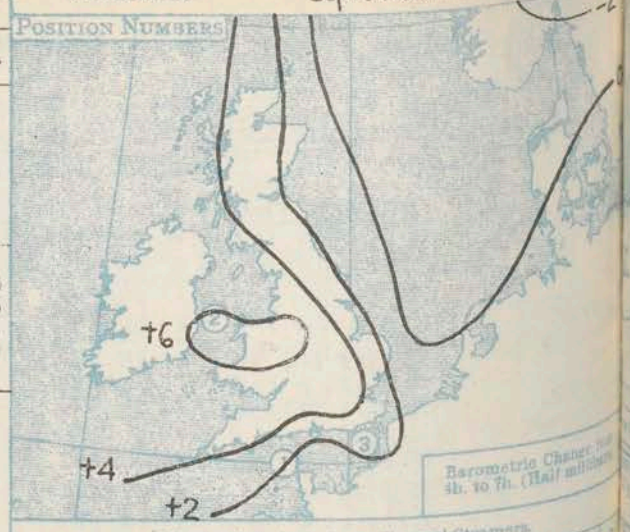
* For explanation see Introduction. ‡ Information for these columns not usually received. ; The barometric change is expressed in half millibars. § For code see page 5.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 13h.	13h.-18h. 13h.	18h. 13h. to 1h. 14h.	1h.-7h. 14h.	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	c	p	p	r-d	55	50	•	trace	1	16.30	<2100	•
Stornoway	o	b-bc	c	oo	60	50	•	-	-	-	-	5.4
Wick	o	dodom	d.d.m	omrr	55	52	•	trace	4	17.30	<2100	•
Castlebay	o	ocm	cmobc	bco	60	52	•	-	-	-	-	3.4
Nairn	cgpcm		iRom	dmo	57	52	•	1	3	14.30	<2100	4.9
Aberdeen	comir	ompo	ompro	omir	58	53	50	0.1	0.6	11.00	<2400	0.8
Malin Head	roez	oiz	ro bc	c	56	54	•	1	0.1	13.30	-	0.1
Renfrew	omdoz	orroo	o o m		57	49	45	1	-	<0800	-	0.0
Edinburgh (Inchkeith)	o	o	oo	oo	57	53	50	-	trace	-	0630	2.0
Leuchars	o	o	oo		57	51	42	-	0.5	-	0630	1.2
Eskdalemuir	odor	orojp	oor	o	52	49	47	4	1	<0800	0430	0.0
Tynemouth	rrm	rrm	rrm	rrm	55	52	50	6	8	0900	<2100	•
Blacksod Point ...							•					•
Donaghadee	ror	om	ir	rr	57	53	•	1	5	<0800	<2100	•
Birr Castle												
Collinstown	orom	oirm	orrm	orom	57	51	•	3	7	11.00	<2100	2.1
Holyhead	o	cbec	oorro	oirom	54	53	50	-	2	-	<2100	4.6
Liverpool (Bidston) ...	ocbc	bbc	p		59	49	43	-	0.2	-	0130	5.0
Chester (Shotwick) ...	offoc	co	om	dqfro	61	40	34	-	trace	-	0130	•
Spurn Head	o	b-bc	b.bc	bbc	63	52	•	1	0.5	<0800	-	1.0
Nottingham	oc	b-bc	b	mc	61	43	41	-	-	-	-	3.3
Cranwell	oro	octc	cpc	bcom	62	42	37	0.2	-	<0800	-	3.5
Gorleston	orcq	ctlq	ccR	c	62	51	44	2	2	<0800	<2100	3.5
Valencia (Cahirciveen)	orm	orq	or									
Roches Point							•					•
Pembroke (St. Ann's H.)	p	c	c	r-d	58	50	•	2	6	<0800	0130	5.5
Ross-on-Wye	bcotro	otrcbc	b	bmcw	60	41	37	3	trace	13.30	-	6.0
Benson...	bcrotr	oro	ro10	omw	61	43	36	6	0.2	14.30	<2100	•
Andover	bccotr	orropr	oro	co	62	45	38	3	0.2	12.30	<2100	6.3
S. Farnborough ...	bccopr	oprqtro	oprobc	om	62	40	36	1	2	12.30	<2100	7.4
London (Kew Obsy.)...	bmwocbc	cplop	bbmofw	ofwom	61	42	36	0.1	0.2	<0800	<2100	8.5
Croydon	bmorrc	copbc	prro	ocmof	61	44	39	4	0.3	11.00	<2100	8.0
Clacton-on-Sea ...	orcbc		bc	bcc	63	48	45	0.1	-	<0800	-	8.1
Shoeburyness	p	bercr	cr	cro	64	48	38	0.1	0.4	15.30	<2100	7.0
Grain	bcop	bcpr	cbc.b	bbcof	62	47	40	2	0.1	12.30	-	8.2
Lympne	bcoprPR	copro	obo	rrrm	59	48	42	3	13	<0800	2400	7.9
Scilly (St. Mary's) ..	cqph	omrr	qiR	oqprm	54	50	•	12	14	<0800	<2100	8.0
Falmouth (Pendennis)	cq	cqp	oqp	oqmp	59	51	•	7	9	<0800	<2100	5.0
Plymouth (Cattewater)	p	cbc	oprb	bomw	57	44	41	3	0.3	<0800	<2100	4.8
Portland Bill	cqp	c	oo	b.bc	59	53	•	1	-	13.30	-	•
Southampton (Calshot)	p	p	c	c	60	49	46	15	-	14.30	-	10.0
Dungeness	p	p	qiP	iR.p	59	48	•	9	12	<0800	<2100	•
Jersey 7h } ..	bcqpo	oqpo	oqRr	qRbc	59	53	•	3	20	09.00	2200	2.5
Guernsey 1h }												

ISALLOBARS September 14th.

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	13th 1000	Cambria	NNW	4	bcv	52	54
1	" 1100	Ibex	N	6	pro	56	59
3	14th 0200	Brighton	N	5	bc/r	56	60

GENERAL INFERENCE.

Yesterday's depression is now ov the North Sea and the Northerly wind current in its rear covers the British Isles. Cold weathe is probable with occasional showers or rain followed by an improvement spreading from the west.

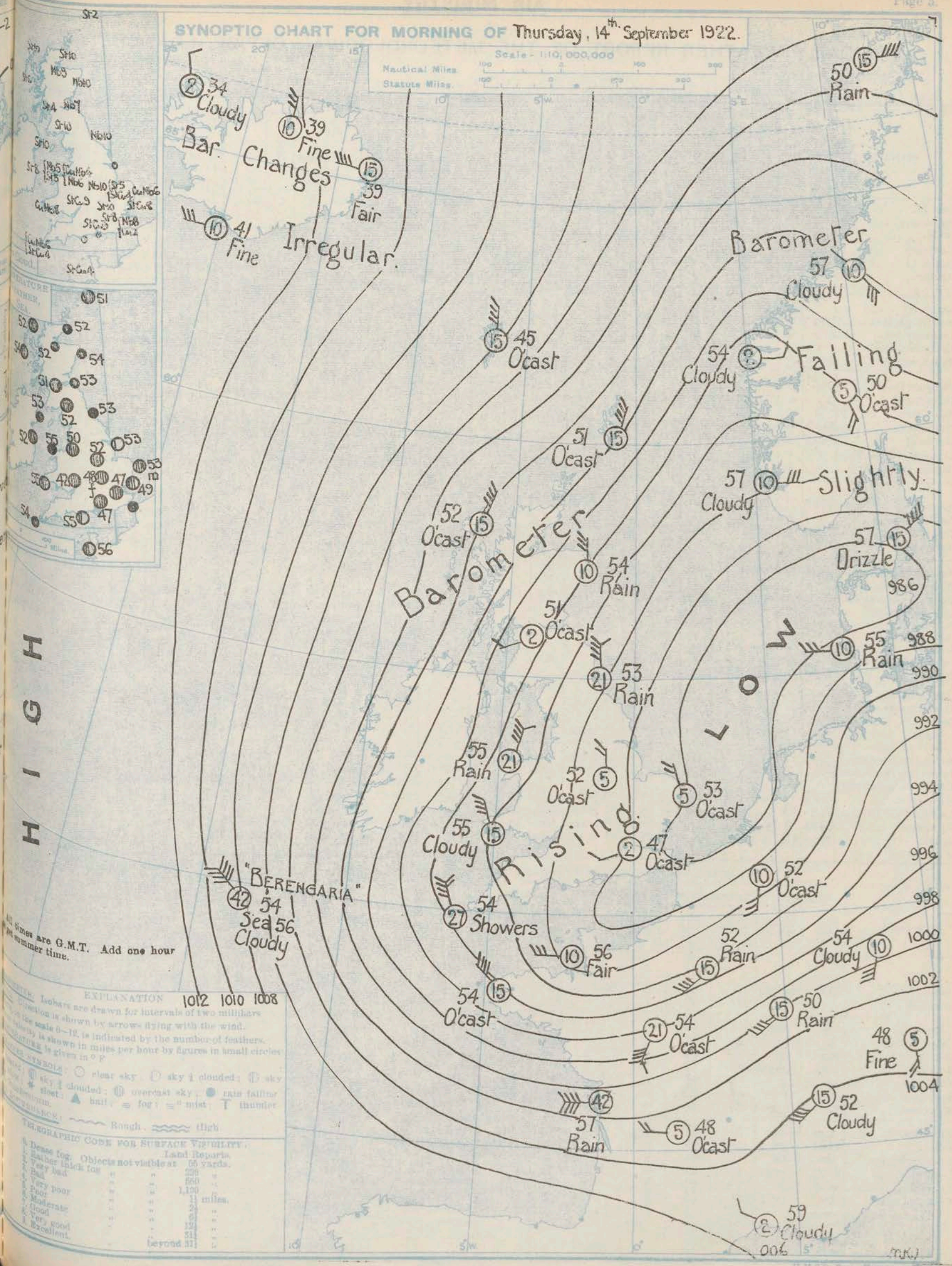
Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 14th September, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind NW to N moderate; cloudy occasional showers or slight rain; day visibility moderate, some mist or fog at night; cold, risk of ground frost inland at night.	Becoming fairer temporarily but continuing cold.
▼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 or fresh Northerly wind, stronger at times; cloudy, occasional showers or slight rain, improving later; day visibility moderate, some mist or fog at night; cold, risk of ground frost inland at night.	▼ South Cone flying districts 5, 6, 19 & 20.

0935 GMT.

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

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

* For Code see opposite page.



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

EXPLANATION

PRESSURE: 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.

VISIBILITY is shown in miles per hour by figures in small circles.

TEMPERATURE is given in ° F.

CLOUD SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; sleet; hail; fog; mist; thunder; drizzling.

SEA CONDITIONS: Rough; High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

	Land Reports.	
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	" "	1 miles.
5. Poor	" "	2 "
6. Moderate	" "	5 "
7. Good	" "	12 "
8. Very good	" "	31 "
9. Excellent.	beyond	31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. THURSDAY, 14TH SEPTEMBER 1922. No. 257.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	997.6	+1	NE	3	or r.	50	97	6	4000	StCu	9	-	9	•
Stornoway	997.7	+3	NE	4	c	•	•	6	•	•	•	•	•	•
Wick	994.4	+1	NNE	4	o/r	53	97	7	800	St	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	992.3	+2	N	5	bc-	55	97	7	2500	St	4	ACu	6	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	989.9	+2	NNE	4	o/r	53	92	8	-	St	4	A.St	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	988.9	+2	NNE	3	orr	53	97	6	4000	Nb	10	-	10	•
Blacksod Point														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	990.4	+4	NW	4	orr.	51	97	5	800	Nb	10	-	10	•
Holyhead	985.5	+2	N'E	4	o/r	56	85	7	1500	StCu	10	-	10	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	985.3	+1	SE	3	b	52	92	7	-	-	0	-	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	985.6	+3	N	2	b-	43	97	7	-	-	0	-	0	•
Gorleston	985.6	0	-	0	c/r	52	97	7	4000	CuNb	8	-	8	•
Valencia (Cahirciveen)	997.4	+5	NW'N	7	OR	54	92	6	-	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	987.6	+1	NW	2	orr.	53	85	8	1500	Nb	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	984.4	0	W	1	o+	45	97	7	-	-	0	Ci.St	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	982.6	-1	W'N	3	orr	49	97	7	1500	Nb	10	-	10	•
Scilly (St. Mary's)	989.5	+2	NW	7	OR	53	97	6	800	St	10	-	10	•
Falmouth (Pendennis)	989.2	0	NW	5	OR	50	92	6	4000	CuNb	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	984.3	+1	N	4	o+	55	75	7	1500	StCu	10	-	10	•
Southampton (Calshot)	985.1	+2	NNW	2	o+	58	97	8	4000	StCu	10	-	10	•
Dungeness	984.2	0	SW	5	OR	53	97	8	800	St	10	-	10	•
Jersey (7h.) / Guernsey (1h.)	987.7	+3	N	4	bc/r	53	85	8	5700	CuNb	6	-	6	•

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	998.4	0	NNE	4	0	51	92	6	800	St	2	A.St	9	3
Stornoway	999.8	+5	NNE	4	0	52	85	5	800	St	10	-	10	3
Wick	996.9	+3	N	5	or-	52	97	6	800	St	10	-	10	4
Castlebay	1000.0	0	N	4	c	54	85	7	800	St	6	A.St	8	3
Nairn	997.0	•	ENE	2	odd.	52	97	7	2500	Nb	9	-	9	•
Aberdeen	994.0	+2	NNW	3	or.	54	97	7	1500	Nb	10	-	10	0
Malin Head	997.6	+5	N	6	c	55	97	6	2500	St	7	-	7	6
Renfrew	994.5	+3	WSW	1	0	51	92	6	4000	St	4	A.Cu	10	•
Edinburgh (Inchkeith)	993.0	+3	N	2	or.	53	92	7	-	Nb	7	Ci.St	10	2
Leuchars	993.2	+3	SW	3	or	54	85	7	2500	Nb	10	-	10	•
Eskdalemuir	992.1	+2	N	5	0	52	85	7	1500	St	10	-	10	•
Tynemouth	990.3	+2	N	5	or.	53	97	6	4000	Nb	10	-	10	6
Blacksod Point														
Donaghadee	995.4	+5	N	2	orr.	53	92	7	2500	St	10	-	10	1
Birr Castle														•
Collinstown	996.1	+6	NW	4	o/r	52	97	6	1500	St	8	A.St	10	•
Holyhead	992.8	+5	NNE	5	or.	55	97	6	<150	St	10	-	10	2
Liverpool (Bidston)	991.2	+6	NNE	2	o/r	50	97	4	800	Nb	10	-	10	3
Chester (Shotwick)	989.6	+6	NW'N	2	or.	50	97	3	1500	Nb	10	-	10	•
Spurn Head	987.1	+2	N'W	4	b	53	92	7	-	-	0	Ci.St	1	3
Nottingham	988.7	•	N	2	0	52	92	5	1500	Nb	10	-	10	•
Cranwell	988.2	+5	NNW	3	0	50	97	6	800	St	9	-	9	•
Gorleston	986.2	0	N'W	2	m0	53	92	7	4000	StCu	7	-	7	0
Valencia (Cahirciveen)	1002.5	+7	NNW	5	R+	54	92	[illegible]	?	StCu	7	-	7	?
Roches Point														
Pembroke (St. Ann's H.)	990.7	+4	NNW	4	c/r	55	85	7	4000	CuNb	8	-	8	4
Ross-on-Wye	990.3	+5	WSW	1	o/f	42	92	8	2500	StCu	9	-	9	•
Benson	988.4	+5	-	0	ffo	46	97	3	-		0	-	0	•
Andover	988.4	+4	NNW	3	0	50	92	7	5700	StCu	9	-	9	•
S. Farnborough	988.6	+6	SW	2	mmb	46	97	5	800	St	5	A.Cu	5	•
London (Kew Obsy.)	988.0	+5	W'S	1	o/f	47	92	4	2500	St	8	A.St	10	•
Croydon	988.2	+5	NNW	2	fo+	46	97	3	<150	St	10	-	10	•
Clacton-on-Sea	985.4	+2	NNW	3	c-	49	92	6	1500	CuNb	6	A.St	8	0
Shoeburyness	986.7	+3	-	0	o/r	49	92	6	2500	StCu	8	A.St	10	+
Grain	987.0	+5	W	3	ffo	49	97	3	<150	St	10	-	10	0
Lympne	987.3	+4	W	2	or.	47	97	5	225	Nb	10	-	10	•
Scilly (St. Mary's)	992.9	+4	N'W	6	oPR	54	97	6	4000	CuNb	10	-	10	6
Falmouth (Pendennis)	992.3	+5	NNW	4	0	53	92	6	4000	CuNb	9	-	9	0
Plymouth (Cattewater)	990.5	+4	-	0	mmc	48	97	5	4000	StCu	10	-	10	1
Portland Bill	989.0	+2	NW	3	bc-	55	75	7	-	-	0	Ci.St	4	2
Southampton (Calshot)	988.8	+3	NNW	2	bc-	50	97	7	-	-	0	A.Cu	6	0
Dungeness	987.1	+4	NNW	2	bc/r	48	97	6	4000	CuNb	5	-	5	4
Jersey (7h.) / Guernsey (1h.)	989.5	0	W	3	bc/r	56	85	8	4000	StCu	4	-	4	4

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 13TH SEPTEMBER

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 12h.-13h. °F.	Temperature. Max. Day. 13h.-°F.	Rainfall.† Night 17h.-9h. 12h.-13h. mm.	Rainfall.† Day 9h.-17h. 13h.- mm.	Sunshine. Sunrise to 17h. 13h. hr.	Sunshine. Sunrise to Sunset. 14h.- hr.
Banff	roc	cbccpro	51	59	3	0.4	3.6	0.6
Montrose	-	-	52	57	1	-	3.1	0.0
Llandudno	c	cbc	46	60	9	-	4.7	0.0
Colwyn Bay	bcc	bc	49	59	7	-	0.0	0.0
Rhyl	pcbc	bc	48	59	8	-	5.0	0.0
Southport	oco	ocbco	50	59	11	-	3.1	0.0
Blackpool	or	o	50	55	18	3	0.0	0.0
Harrogate	r	r	48	53	11	14	0.0	0.0
Skegness	po	bcb	52	61	4	-	4.9	7.2
Aberystwyth	oco	bc	52	61	7	-	8.0	0.0
Bath	cbbc	oPR	48	61	9	4	4.3	0.0
Leamington Spa	cb	cb	46	62	5	-	7.2	0.0
Lowestoft	oroc	cbcb	53	63	6	1	4.7	2.9
Felixstowe	obc	b	53	62	3	-	7.9	4.9
Southend	bc	bc	51	65	5	-	8.2	2.7
Paignton	pcpbc	cpbcc	49	61	6	1	5.7	0.0
Ilfracombe	orc	cbc	51	59	11	1	4.3	0.0
Bude	cripc	cbcopr	51	62	4	3	3.1	0.3
Penzance	cpbc	oro	50	58	7	9	2.5	0.1
Falmouth Observatory	rcbc	roc	50	61	3	7	4.7	0.0
Torquay	copy	cpbc	49	61	8	0.4	7.4	0.0
Weymouth	bcpbc	bcc	51	62	17	1	7.8	0.3
Bournemouth	bc	bb	48	61	13	0.2	9.0	0.2
Portsmouth (S'thsea)	bc	p	52	62	17	0.4	9.0	3.5
Worthing	crbc	rbc	47	60	14	5	8.5	3.5
Brighton	p	bcp	50	60	14	1	7.3	5.4
Eastbourne	cpc	cpc	52	60	15	3	5.3	5.3
Hastings	opbc	coPR	50	60	10	3	4.5	3.2
Folkestone	bc	p	50	64	6	5	8.6	4.1
Tunbridge Wells	bbc	bcbc	48	61	15	0.2	7.9	6.3
Ramsgate	rbbc	brbr	51	61	5	0.2	7.5	5.4
Margate	b	bbepc	52	63	5	0.4	7.1	5.6
Deal	rcbc	bccp	52	61	9	3	7.5	5.6

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 22212. FRIDAY, 15th SEPTEMBER 1922.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	999·6	+2	NNE	5	bc-	54	75	6	4000	Cu	3	Ci	4	•
Stornoway	1004·3	+6	NNE	5	odd	53	75	5	800	St	10	–	10	•
Wick	999·5	+4	N	5	o	54	85	8	2500	Cu	5	CuSc	9	•
Castlebay	1004·6	+4	NNW	5	mmc	56	75	6	1500	St	7	–	7	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	996·8	+2	NNW	5	c	57	85	7	1500	St	2	CiSc	8	•
Malin Head	1002·3	+5	N	6	c	55	92	6	5700	–	0	Ci	7	•
Renfrew	998·6	+5	NNW	1	o	60	75	8	4000	StCu	10	–	10	•
Edinburgh (Inchkeith)	996·0	+3	N	3	o/r	58	75	8	–	StCu	10	–	10	•
Leuchars	996·9	+4	N	4	o	59	75	8	2500	StCu	10	–	10	•
Eskdalemuir	996·2	+4	N	4	o/r	56	85	7	2500	StCu	10	–	10	•
Tynemouth	993·2	+2	N	4	orr	53	97	6	4000	Nb	10	–	10	•
Blacksod Point														•
Donaghadee	999·8	+2	N	3	bc-	58	85	7	–	–	0	ACu	5	•
Birr Castle														•
Collinstown	1000·8	+3	NW'N	4	o	60	85	8	1500	StCu	7	ACu	10	•
Holyhead	997·2	+5	NW'N	5	o-	57	85	8	4000	St	10	–	10	•
Liverpool (Bidston)	995·1	+3	NW	5	orr+	55	85	6	800	Nb	10	–	10	•
Chester (Shotwick)	994·9	+4	WNW	5	orro	54	92	5	800	St	10	–	10	•
Spurn Head	989·5	+2	NNW	4	RR	55	97	6	450	St	10	–	10	•
Nottingham	991·9	•	NNW	3	orr	56	85	4	1500	Nb	10	–	10	•
Cranwell	991·6	+3	NNW	4	orro	55	92	6	800	Nb	10	–	10	•
Gorleston	989·5	+3	N'W	4	c	62	75	7	4000	CuNb	7	–	7	•
Valencia (Cahirciveen)														•
Roches Point														•
Pembroke (St. Ann's H.)	998·8	+8	N	5	c	58	75	7	2500	CuNb	8	–	8	•
Hoss-on-Wye	994·7	+5	NW'N	2	c	59	75	7	4000	StCu	6	ACu	8	•
Benson	993·0	+3	NW	2	c+	58	75	5	–	StCu	8	–	8	•
Andover	993·3	+4	NNW	4	bc	60	75	5	1500	CuNb	5	–	5	•
S. Farnborough	992·8	+5	NW	3	c-	60	75	6	1500	Cu	6	ACu	8	•
London (Kew Obsy.)	992·5	+3	WNW	3	bc+	59	65	7	4000	Cu	4	–	4	•
Croydon	992·6	+3	NWW	3	o-	59	75	6	2500	StCu	9	–	9	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	991·1	+9	NW	2	o	60	75	6	2500	Cu	9	–	9	•
Grain	991·6	+5	W	4	o	59	75	7	1500	StCu	6	ASt	9	•
Lympne	991·7	+4	WNW	4	o	58	75	6	1500	St	10	–	10	•
Scilly (St. Mary's)	100·1	+7	NW'N	6	o/r	56	85	7	2500	CuNb	9	–	9	•
Falmouth (Pendennis)	997·7	+6	N	4	o	58	85	7	4000	CuNb	9	–	9	•
Plymouth (Cattewater)	996·3	+7	NNW	4	c	61	65	8	2500	StCu	8	–	8	•
Portland Bill	993·5	+4	WNW	3	bc	62	75	7	800	Cu	4	–	4	•
Southampton (Calshot)	993·8	+5	NNW	4	b	62	75	7	4000	Cu	3	–	3	•
Dungeness	990·5	+3	NW	4	bc/r	60	75	6	2500	Cu	2	–	2	•
Jersey 7h / Guernsey 1h	994·2	+1	WNW	3	o/r	58	85	8	4000	StCu	10	–	10	•

Observations at 1800 G.M.T. 14th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1001·6	+3	N	5	c+	50	85	6	7250	StCu	3	ASt	8	4
Stornoway	1007·0	+3	N	4	o	48	92	5	450	St	10	–	10	3
Wick	1002·4	+5	N	5	o	51	92	8	2500	CuNb	10	–	10	3
Castlebay	1008·4	+4	NNW	5	o	53	65	7	1500	St	10	–	10	4
Nairn	1004·5	•	N	3	c/r	52	85	8	4000	CuNb	8	–	8	•
Aberdeen	1000·9	+5	NNW	4	c-	52	85	7	1500	St	7	ACu	8	3
Malin Head	1006·3	+5	N	6	o	55	92	6	5700	StCu	9	–	9	6
Renfrew	1002·6	+5	N	2	o	56	75	8	4000	St	10	–	10	•
Edinburgh (Inchkeith)	1000·4	+7	NNW	4	o	55	75	8	–	St	9	–	9	3
Leuchars	1000·6	+5	NNW	3	o	56	65	8	2500	StCu	9	–	9	5
Eskdalemuir	1000·7	+4	NNW	5	o-	53	75	8	2500	StCu	4	Ci	9	•
Tynemouth	996·7	+4	N	5	o/r	55	85	6	4000	Nb	10	–	10	6
Blacksod Point														•
Donaghadee	1003·4	+4	N	3	bc	55	85	7	–	–	0	ACu	5	4
Birr Castle														•
Collinstown	1001·3	+8	NW'N	5	o	55	85	7	2500	StCu	10	–	10	•
Holyhead	1001·4	+5	NNW	4	o	57	85	7	2500	StCu	10	–	10	3
Liverpool (Bidston)	999·0	+4	WNW	3	o	57	92	7	1500	Nb	10	–	10	4
Chester (Shotwick)	997·8	+4	WNW	4	orro	57	92	5	1500	StCu	10	–	10	•
Spurn Head	991·5	+2	NW'N	7	oR-	53	97	6	4000	Nb	10	–	10	6
Nottingham	995·4	•	N	4	orr	54	92	4	1500	Nb	10	–	10	•
Cranwell	994·2	+8	NNW	5	orr	53	97	6	1500	Nb	10	–	10	•
Gorleston	992·5	+1	W'N	2	o+	56	92	6	4000	Nb	10	–	10	0
Valencia (Cahirciveen)														•
Roches Point														•
Pembroke (St. Ann's H.)	1003·1	+5	N	5	o	58	75	7	2500	StCu	10	–	10	4
Hoss-on-Wye	998·1	+4	NW'N	3	oPR	55	92	6	1500	StCu	8	ACu	10	•
Benson	995·4	+2	W	3	orr	53	97	5	800	St	10	–	10	•
Andover	996·9	+4	SW	4	orro	53	97	6	2500	Nb	6	ASt	10	•
S. Farnborough	995·7	+4	W'N	3	orr	54	85	6	1500	Nb	10	–	10	•
London (Kew Obsy.)	995·0	+3	W'N	3	orr	54	92	5	1500	Nb	10	–	10	•
Croydon	995·0	+4	NWW	3	orr	54	85	5	800	Nb	10	–	10	•
Clacton-on-Sea	993·0	+3	WNW	4	odd+	55	85	6	2500	Nb	5	ASt	10	0
Shoeburyness	993·9	+5	WNW	2	odd	55	92	5	1500	Nb	10	–	10	•
Grain	994·1	+4	WNW	4	orro	55	85	5	800	Nb	10	–	10	0
Lympne	994·6	+4	NW	3	o/r	54	85	5	2500	Nb	7	ASt	10	•
Scilly (St. Mary's)	1005·0	+3	NW	4	c	57	85	7	4000	StCu	8	–	8	5
Falmouth (Pendennis)	1003·7	+8	NNW	4	oprro	57	85	6	4000	CuNb	9	–	9	0
Plymouth (Cattewater)	1001·5	+9	NNW	4	c-	58	85	8	4000	St	6	ACu	10	0
Portland Bill	996·3	+3	W	5	o+	60	75	7	1500	StCu	10	–	10	4
Southampton (Calshot)	996·8	+4	NW'N	6	orr	58	85	5	4000	StCu	10	–	10	3
Dungeness	993·8	+3	WNW	3	o	59	85	6	1500	StCu	10	–	10	3
Jersey 7h / Guernsey 1h	998·6	+1	NW	3	b/r	59	75	8	–	–	0	–	0	4

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 15th								YESTERDAY.		TO-DAY.
Kew											
Croydon } 24 hours ended 0700	obwopb	bcozarm	ormRro	•	•	50	1	8	2·1	•	•
Greenwich (Royal Obsy.)	ofmro	ozcr	omrro	•	•	49	1	12	1·7	•	•
City (Bunhill Row)	op	coid	oroid	64	51	49	0·3	11	1·9	65	70
Westminster (St. James' Pk.)	•	•	•	•	•	•	•	•		•	•
Regent's Pk. (Botanic Gdns).	•	•	•	64	53	•	•	9	1·7	64	69
Camden Square	•	•	•	•	•	•	•	•	1·8	•	•
Kensington Palace	o	bc	•	64	52	49	–	10	•	•	69
Hampstead Observatory	or	oc	•	62	52	49	0·9	8	•	83	70
	•	•	•	61	50	45	5	6	2·3	•	74

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T.

South Kensington

Max.	Time.	Min.	Time.
–	–	–	–

Kew Observatory

Max.	Time.	Min.	Time.
0·6	2300 (13th)	<0·3	1200 (14th)
1·0	0700 (14th)		

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..... joules

Average Rate ..... Milliwatts.

Maximum Rate ..... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 14th 19 h. 15 m. to 15th 4 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	9.30	0.0	–
δ Ursae Minoris	9.30	0.0	–

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	CG2	9	8	110
18h.	CG2	8	1	155
6h.	CG2	9	–	60
6h.	CG2	9	–	75

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

15th to 16th Sept. 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.28	11.48	6.9
	5.30	11.48	6.6
Greenwich	5.36	11.55	6.15
	5.38	11.55	6.12
Wick	3.43	12.7	6.32
	5.45	12.1	6.29
Valencia	6.16	12.26	6.57
	[illegible]	12.26	6.5[illegible]

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.
rorro = 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	[illegible]

SEA DISTURBANCE.

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

[1] For explanation see Introduction.

* Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

§ For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 14th	13h.-18h. 14th	18h. 14th to 1h. 15th	1h.-7h. 15th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours
Lerwick	borbc	c	r-d	p	55	42	•	–	0.1	–	<2100	•
Stornoway	oo	oo	p	wroR	53	40	•	–	06	–	–	0.0
Wick	oo	oo	oqir	oqp	54	45	•	1	0.1	<0800	<2100	•
Castlebay	ocqm	cmoq	opcqo	oc	57	45	•	–	1	–	–	4.7
Nairn		p	cg.g	cg	55	44	•	4	–	<0800	–	0.0
Aberdeen	pocq	cqocq	cqr	bcqp	57	54	42	Tracc	1	<0800	2400	1.1
Malin Head	cqz	cqz	cp	qrp	56	48	•	–	trace	–	0130	3.7
Renfrew	ompo	op	oc	bcr	60	45	33	0.2	–	0800	–	0.2
Edinburgh (Inchkeith)	oo	oo	oo	c	58	46	44	4	–	1530	–	0.1
Leuchars	oo	oo	c		59	45	38	0.2	–	<0800	–	0.5
Eskdalemuir	oormo	oo	cbbc	oc	48	41	37	1	–	<0800	–	0.7
Tynemouth	oormq	rroq	oqm	opq	55	48	47	8	trace	<0800	0530	•
Blacksod Point ...							•					•
Donaghadee	bc	bc	cq	bcq	59	51	•	1	–	<0800	–	•
Birr Castle												
Collinstown	oo	c	oo	c	62	43	×	Tracc	–	0900	–	5.5
Holyhead	orrm	orm	oq	oo	58	51	51	0.4	–	<0800	–	0.3
Liverpool (Bidston) ...	or	rord	oo		57	50	47	4	–	<0800	–	0.0
Chester (Shotwick) ...	orromomrorm		orromom	oproo	57	53	49	4	0.4	–	<2100	•
Spurn Head	rord	rord	r-d	oo	54	45	•	15	5	11.00	<2100	1.8
Nottingham	oo	rr	or	oo	57	52	49	8	0.6	11.00	<2100	0.4
Cranwell	mro	rr	ormq	r-d	56	49	47	15	3	1100	<2100	0.7
Gorleston	c	c	obqr	oqrr	64	50	49	–	17	–	<2100	~~7.1~~ 2.0
Valencia (Cahirciveen)			oq									
Roches Point							•					•
Pembroke (St. Ann's H.)	p	c	c	oo	60	52	•	0.3	–	<0800	–	2.0
Ross-on-Wye	c	rp	orc	cbcwo	58	52	48	5	0.2	14.30	2200	1.1
Benson	omrc	oor	Rr	o	59	51	49	5	5	–	<2100	•
Andover	ocbcmomrorr		orr	oo	60	50	46	1	4	16.30	<2100	4.0
S. Farnborough ...	omcmcqomro		orrm	o	61	51	50	1	10	13.30	<2100	1.6
London (Kew Obsy.) ...	obwopbcbcozorm		ormRorr	orroo	61	53	50	1	8	16.30	<2100	2.1
Croydon	ofmrom	orcr	omrr.r	orroo	61	52	49	1	12	16.30	<2100	1.7
Clacton-on-Sea ...	co	qd	ogm	oqqr	64	51	50	0.1	6	1730	<2100	3.2
Shoeburyness	o	ord	or	or	64	50	49	0.3	7	1630	<2100	2.1
Grain	fopoo	oboro	oRR	oRR	63	51	50	0.1	7	0900	<2100	2.2
Lympne	orrmmo	orrom	mqrr.r	rr.rqm	60	50	49	0.2	11	<0800	<2100	3.6
Scilly (St. Mary's) ...	oqphr	c	bcq	cq	60	52	•	3	–	<0800	–	5.1
Falmouth (Pendennis)	ompq	omcq	omq	oqc	59	53	•	0.3	–	<0800	–	4.0
Plymouth (Cattewater)	oo	c	p		62	54	49	2	trace	0900	<2100	5.2
Portland Bill	c	o.o	oo	c	63	54	•	–	–	–	–	•
Southampton (Calshot)	c	orrm	r-d	oo	63	54	52	Tracc	3	17.30	<2100	6.3
Dungeness	p	oo	irr	irr	62	52	•	Tracc	4	1530	<2100	•
Jersey 7h } Guernsey 1h }	bcoqp	oqpb	od.	od.op	61	56	•	7	1	0900	2200	3.6

ISALLOBARS. 15th Sept.

POSITION NUMBERS

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	14th 1010	Cambria	N'W	6	O	53	55
3	15th 0200	Arundel	NNW	5	OR-	55	55

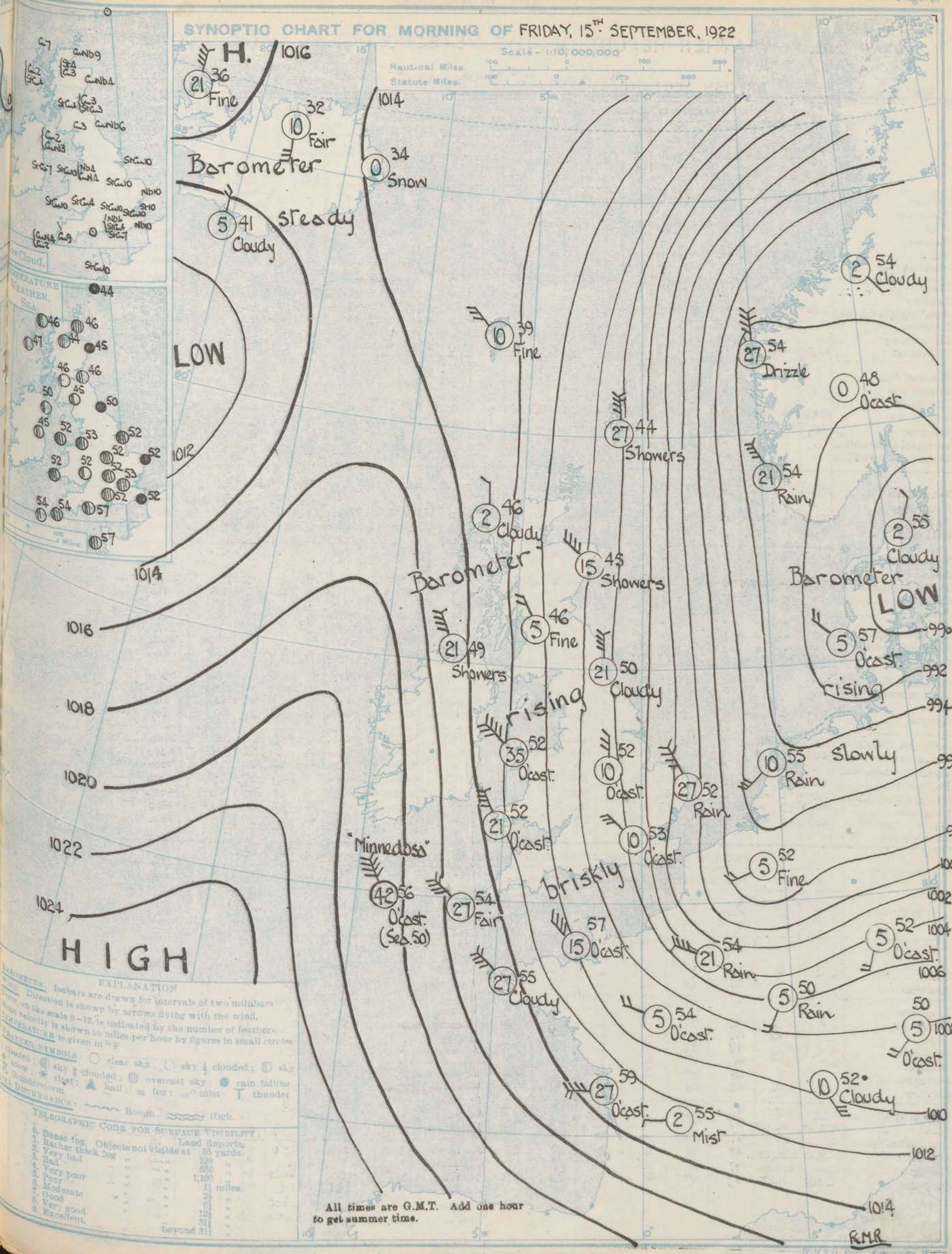
GENERAL INFERENCE.

Pressure continues to rise over the British Isles as the result of a wedge of high pressure spreading from the West. A new depression will soon cause southerly winds and rain in the west, but winds will be mainly northerly to-day with varying skies. Further showers are probable, particularly along the East Coast.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday 15th September 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind NW. moderate to strong, decreasing later; variable sky, some showers; visibility mainly good; rather cold.	Fairer temporarily with rising temperature followed by renewed unsettled weather from the West.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind NW or N moderate to strong, decreasing later; mainly fair but local showers; visibility mainly good; rather cold.	
10. N.E. England 11. E. Scotland	As for 1 to 3.	
12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides	Wind NW moderate, backing to SW; variable sky, some showers probable; mist in places; rather cold.	
16. Orkneys and Shetlands	As for 1 to 3.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As for 12 to 15.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1930 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.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION. Friday, 15th September 1922. No. 258

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1003.4	0	N	6	or.	45	92	7	2500	Nb	4	A.Sr	10	.
Stornoway	1011.8	+3	NNE	4	pr.	.	.	5	.	.	.	.	.	.
Wick	1005.7	+2	NNW	5	Cr.	46	92	8	1500	CuNb	8	-	8	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	1011.3	+4	N	7	OPR	51	92	7	5700	Nb	9	-	9	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	1004.7	+3	NW	3	0	52	75	8	-	SrCu	10	-	10	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	1002.0	+4	N	7	0	53	85	6	4000	Nb	10	-	10	.
Blacksod Point ...														.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Collinstown	1011.6	+4	NNW	5	C-	49	92	7	2500	SrCu	8	-	8	.
Holyhead	1006.7	+3	NW'N	7	0/r	55	85	8	2500	SrCu	10	-	10	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	996.9	+3	N'W	8	orr	49	97	7	4000	Nb	10	-	10	.
Nottingham	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	1001.5	+6	NNW	5	orr	51	97	6	800	Nb	10	-	10	.
Gorleston	995.1	+1	N'W	6	ORR	49	97	6	4000	Nb	10	-	10	.
Valencia (Cahireiveen)	1012.7	+6	NW	5	0	53	97	7	-	SrCu	10	-	10	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	1009.2	+4	NNW	5	C	54	75	8	4000	SrCu	8	-	8	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Croydon	1000.3	+5	NW	3	Or.r.	52	92	6	1500	Nb	10	-	10	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	997.0	+4	NNW	6	orr	51	97	7	1500	Nb	10	-	10	.
Scilly (St. Mary's) ...	1011.2	+5	NNW	5	bc+	55	85	8	4000	SrCu	5	-	5	.
Falmouth (Pendennis)	1009.1	+8	N	4	0+	56	85	7	4000	CuNb	10	-	10	.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	1003.0	+3	NW	5	0	57	85	7	1500	SrCu	10	-	10	.
Southampton (Calshot)	1001.7	+3	NW'N	5	o/r	56	92	8	1500	Sr	10	-	10	.
Dungeness	999.3	+2	N	5	crr	53	97	7	1500	Sr	8	-	8	.
Jersey 7h }	1005.6	+4	WNW	6	o/r	57	85	8	5700	SrCu	10	-	10	.
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1007.2	+3	N	6	opr.	44	85	7	-	-	0	A.Sr	9	5
Stornoway	1013.7	+3	N	1	C	46	65	6	4000	Cu	7	-	9	4
Wick	1009.1	+4	NNW	5	o/r	46	75	8	2500	CuNb	9	-	6	4
Castlebay	1015.5	+4	NW	4	bc	47	65	8	1500	SrCu	6	-	7	.
Nairn	1011.8	.	N	3	C	44	75	8	1500	Sr	7	-	4	3
Aberdeen	1009.1	+5	NW'N	4	bcpr.	45	85	8	2500	CuNb	4	-		
Malin Head	1014.8	+3	NNW	6	CPR	49	85	7	5700	Nb	4	ACu	7	6
Renfrew	1011.7	+7	NNW	2	b-	46	75	8	4000	SrCu	1	-	1	3
Edinburgh (Inchkeith)	1009.9	+5	NNW	4	bc-	46	75	8	-	Cu	6	-	6	.
Leuchars	1010.0	+5	NNW	4	bc-	45	75	8	2500	SrCu	5	-	5	.
Eskdalemuir	1010.4	+5	N	4	bc+	45	85	8	2500	Cu	3	ACu	4	.
Tynemouth	1006.9	+4	N	5	cjp	50	85	7	4000	CuNb	6	CiCu	8	4
Blacksod Point ...	1013.3	+3	N'W	4	bc	50	75	8	5700	CuNb	5	-	5	3
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Collinstown	1015.9	+5	NW'N	4	c	44	85	8	2500	SrCu	7	ASr	8	7
Holyhead	1011.8	+6	NW'N	7	0-	52	85	8	800	SrCu	10	-	10	5
Liverpool (Bidston) ...	1009.4	+4	NW	5	0	53	85	8	1500	CuNb	10	-	10	.
Chester (Shotwick) ...	1008.3	+7	NW	5	opr.	53	85	6	1500	Nb	10	-		
Spurn Head	1004.4	+8	N'W	7	o/r	52	85	7	4000	SrCu	10	-	10	6
Nottingham	1007.2	.	N	3	0	52	75	6	1500	SrCu	10	-	10	.
Cranwell	1007.5	+6	NW'N	5	0	50	85	7	2500	Sr	10	-	10	.
Gorleston	1000.9	+6	NNW	6	OR-	52	97	6	4000	Nb	10	-	10	4
Valencia (Cahireiveen)														
Roches Point														
Pembroke (St. Ann's H.)	1013.7	+5	N'W	5	0	52	75	8	2500	SrCu	10	-	10	4
Ross-on-Wye	1009.4	+6	NW'N	3	bc-	52	85	8	4000	SrCu	4	CiSr	5	.
Benson...	1007.7	+7	NW	4	0	52	75	7	-	SrCu	10	-	10	.
Andover	1008.1	+6	NNW	3	0-	52	85	7	4000	SrCu	9	-	9	.
S. Farnborough ...	1006.8	+8	WNW	3	0	52	75	7	1500	Nb	10	-	10	.
London (Kew Obsy.) ...	1006.8	+7	NW	3	0	53	75	7	2500	SrCu	10	-	10	.
Croydon	1006.6	+8	NW'N	4	o/r	52	75	6	800	Nb	10	-	10	.
Clacton-on-Sea ...	1001.9	+6	NW	5	or.	51	92	6	2500	Sr	10	-	10	3
Shoeburyness	1003.9	+6	NNW	6	opr.	52	85	7	2500	SrCu	8	ASr	10	3
Grain	1004.4	+9	NW	6	or.	52	85	7	800	Nb	10	-	10	.
Lympne	1002.8	+3	NW'N	6	orr.	50	92	6	800	Nb	10	-		
Scilly (St. Mary's) ...	1015.9	+5	NW	6	bc+	54	85	8	2600	CuNb	6	-	6	6
Falmouth (Pendennis)	1014.1	+7	NNW	4	0-	54	85	7	4000	Cu	9	-	9	0
Plymouth (Cattewater)	1012.4	+7	NW	4	cpr.	54	75	8	2500	CuNb	4	ACu	7	0
Portland Bill	1008.4	+5	WNW	5	C-	57	85	7	4000	SrCu	7	-	7	3
Southampton (Calshot)	1008.0	+5	N'W	5	0	55	85	7	4000	SrCu	7	ACu	9	3
Dungeness	1002.3	+3	N	5	or.	52	92	6	1500	Sr	10	-	10	5
Jersey 7h }	1009.8	+1	NW	4	o/r	57	85	8	2500	SrCu	10	-	10	4
Guernsey 1h }														

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

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.
Banff	o o	o	53	54	1	-	0·0	3·6
Montrose	-	-	52	60	-	-	1·8	3·1
Llandudno	o d	r	?	57	5	2	0·0	5·2
Colwyn Bay ...	d r	r d	49	56	5	3	0·0	2·6
Rhyl...	or	ro	45	58	1	3	0·0	5·3
Southport	rq	rq	48	57	5	2	0·0	3·1
Blackpool	or	or	46	57	10	2	0·0	0·0
Harrogate	r	o	48	54	2	6	0·0	0·0
Skegness	cop	p	43	60	-	5	2·6	5·5
Aberystwyth ...	rcc	o	47	59	1	-	1·5	9·3
Bath	ocbc	bcor	47	61	1	1	3·3	4·3
Leamington Spa ...	c	or	47	57	-	4	0·9	7·2
Lowestoft	ocbcc	cbcpo	49	60	1	2	6·0	5·3
Felixstowe	om	bcogm	47	64	-	-	1·9	8·6
Southend	cod	ocor	47	64	0·1	1	2·3	8·9
Paignton	copm	bcoq	45	65	Trace	-	5·8	6·4
Ilfracombe	oco	op	49	61	1	-	3·2	5·1
Bude	ropoc	cpocp	46	60	6	1	3·5	3·6
Penzance	opc	co	51	60	21	1	1·5	2·5
Falmouth Observatory	cp	c	50	60	8	1	3·6	4·7
Torquay	obc	bc	47	65	0·3	0·1	6·1	7·4
Weymouth	b	bco	47	67	-	-	8·9	8·4
Bournemouth ...	bbc	o	47	64	-	-	7·5	9·0
Portsmouth (S'thsea)	b	bo	48	64	1	-	6·8	9·4
Worthing	bc	co	46	64	1	-	7·8	8·5
Brighton	c	c	48	63	0·2	-	6·5	7·9
Eastbourne	bc	bc,ot	47	63	2	0·1	6·1	5·6
Hastings ...	ocbcc	cbco	45	62	10	-	4·8	4·5
Folkestone ...	r	bc	48	67	20	-	2·5	8·0
Tunbridge Wells ...	oco	obcco	44	62	-	-	2·5	8·6
Ramsgate	rbcr	brc	48	60	15	2	2·5	7·5
Margate	o	opbcc	50	61	12	1	1·9	7·2
Deal	Rmdc	bcoru	49	62	22	1	2·7	7·7

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 22213 Saturday, 16th September 1922. Page 1.

Stations	Observations at 1300 G.M.T. 15th: Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9	Observations at 1800 G.M.T. 15th: Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
...ick ...	1009·6	+3	NNW	6	bc-	47	85	7	-	-	0	ACu	6	*	1012·2	+3	NNW	3	b-	43	92	7	5700	StCu	2	Ci	3	2
...oway ...	1015·2	+1	N	1	c	51	85	6	4000	Cu	7	-	7	*	1014·6	-1	SE	2	o+	48	75	6	800	St	10	-	10	0
...k ...	1012·5	+3	NNW	5	cpr₀	48	65	8	2500	CuNb	6	Ci	7	*	1014·0	+2	NW	1	bc	47	65	8	5700	Cu	3	Ci	6	1
...ay ...	1017·5	+2	NW	3	b	51	65	8	2500	Cu	2	-	2	*	1016·5	-1	W	4	bc+	50	76	8	2500	StCu	5	-	5	3
... ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1014·4	*	NNW	1	b-	49	75	8	4000	Cu	2	-	2	*
...een ...	1013·1	+4	NW'N	5	c+	49	65	8	2500	CuNb	7	-	7	*	1015·2	+2	NNW	1	b-	46	75	8	2500	CuNb	1	-	1	0
... Head ...	1017·9	+3	NW	5	bc-	50	75	8	4000	Cu	6	-	6	*	1018·0	0	W	2	bc	48	85	9	4000	Cu	3	Ci	4	4
...ew ...	1015·0	+3	WNW	1	bc+	56	55	9	4000	Cu	6	-	6	*	1016·4	+3	W	1	b-	50	65	9	-	-	0	-	0	*
...rgh (Inchkeith)	1013·5	+4	NW	3	bc	52	55	8	-	Cu	6	-	6	*	1014·9	+2	NNW	2	bc-	53	65	8	-	Cu	4	-	4	1
...ers	1013·5	+3	NW	2	c	53	55	8	4000	StCu	8	-	8	*	1015·2	+3	N	1	b-	51	65	8	4000	StCu	1	-	1	*
...lemuir ...	1014·5	+5	NNW	3	bc	50	55	8	4000	Cu	5	-	5	*	1016·6	+2	Calm	0	c+	46	75	8	4000	StCu	8	-	8	*
...outh ...	1012·4	+3	N	4	c/r	51	65	7	4000	StCu	8	-	8	*	1015·4	+3	NNE	3	c	50	75	7	4000	Cu	3	ACu	8	3
...ood Point ...														*														
...ghadee ...	1016·8	+3	N	3	cjp	51	75	8	4000	Cu	7	-	7	*	1018·4	+2	NNW	2	bc-	50	65	8	-	-	0	ACu	4	2
...Castle ...		*												*														*
...town ...	1019·5	+4	W'N	4	c	53	65	8	2500	StCu	8	-	8	*	1020·6	+1	W	3	bc-	51	75	8	4000	StCu	5	ASt	6	*
...head	1016·5	+4	NW'N	6	c/r	54	65	8	4000	Cu	7	-	7	*	1018·9	+2	N	3	c	53	75	8	2500	StCu	8	-	8	1
...pool (Bidston) ...	1014·8	+4	NW	4	bc	54	55	8	2500	Cu	4	-	4	*	1017·7	+3	WNW	4	bc	52	65	9	2500	Cu	4	-	4	0
...er (Shotwick) ...	1013·5	+5	WNW	5	c-	55	65	9	2500	Cu	8	-	8	*	1016·7	+3	NW	4	bc	53	75	9	2500	StCu	6	-	6	*
... Head ...	1011·8	+7	N'W	7	o	51	75	7	1500	CuNb	10	-	10	*	1014·5	+3	N'W	6	o	51	75	7	4000	StCu	9	-	9	6
...gham ...	1012·7	*	N	4	o+	55	65	6	2500	StCu	9	-	9	*	1016·8	*	NNE	1	bc-	50	75	5	1500	StCu	4	ACu	5	*
...ell ...	1012·7	+4	NNW	5	o	53	65	8	1500	StCu	9	-	9	*	1016·8	+4	NNW	3	b	48	75	7	5700	StCu	2	ACu	3	*
...ton ...	1008·6	+5	NNW	6	c/r	55	75	7	2500	CuNb	8	-	8	*	1014·5	+5	N	5	od₀	50	75	7	2500	Nb	10	-	10	2
...a (Cahirciveen)	1021·3	+2	NNW	4	bc+	51	85	9	4000	Cu	1	A.Cu	4	*	1021·4	+2	N	2	c	53	85	9	-	StCu	7	-	7	
...Point ...														*														
...ke (St. Ann's H.)	1018·6	+5	N	5	c-	53	65	8	4000	Cu	8	-	8	*	1020·7	+3	N	3	bc	52	65	8	2500	Cu	6	-	6	4
...-Wye ...	1014·0	+4	NW'N	3	c-	57	75	9						*	1018·1	+6	NW	1	b-	53	75	8	5700	Cu	1	-	1	*
...er ...	1012·9	+3	N	3	o	57	65	7	-	StCu	9	-	9	*	1017·1	+6	NW	3	c-	53	65	7	2500	StCu	7	-	7	*
...borough ...	1012·7	+4	NNW	3	c-	58	75	8	1500	StCu	7	-	7	*	1016·9	+4	NNW	3	bc-	55	75	8	7200	StCu	5	ACu	6	*
... ...	1012·3	+4	NNW	2	o+	58	65	8	1500	StCu	9	-	9	*	1016·6	+5	WNW	2	bc-	53	75	7	2500	Cu	2	ACu	6	*
...n (Kew Obsy.) ...	1013·1	+7	N	3	o-	56	65	7	2500	StCu	6	ACu	9	*	1016·0	+5	N	1	c	55	65	6	4000	StCu	7	-	7	*
... ...	1012·7	+6	N	3	o	55	65	7	2500	StCu	9	ASt	10	*	1016·7	+6	NNE	2	o	53	65	6	4000	StCu	10	-	10	*
...on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	-	*	*	1015·1	+5	NW	4	b-	53	65	7	1500	Cu	3	-	3	0
...yness ...	1011·0		NW'N	4	o	55	75	6	1500	StCu	10	-	10	*	1016·0	+9	NW	2	b-	51	85	7	4000	Cu	2	CiSt	3	*
...s ...	1011·5	+7	NNW	5	o	55	75	8	800	StCu	10	-	10	*	1016·0	+6	NNW	4	bc-	53	65	8	-	*	0	ACu	4	0
... ...	1010·7	+8	NNW	6	o	54	75	8	1500	St	8	ASt	9	*	1015·0	+4	N'W	3	bc+	50	85	6	4000	StCu	5	-	5	*
...y (St. Mary's)	1020·8	+4	NNW	4	c+	55	65	8	4000	StCu	6	Ci	7	*	1021·7	+3	NW'N	3	c-	53	75	8	4000	StCu	3	ACu	8	4
...th (Pendennis)	1019·4	+8	NNW	5	bc-	55	65	7	4000	Cu	6	-	6	*	1021·8	+5	NNW	3	b-	53	75	8	2500	Cu	3	-	3	0
...th (Cattewater)	1017·4	+4	NW	4	b	56	65	8	2500	Cu	3	-	3	*	1020·4	+6	NW	3	b-	54	65	8	4000	StCu	1	-	1	0
...nd Bill ...	1014·7	+6	W	5	bc-	62	75	7	-	-	0	CiCu	5	*	1017·8	+4	W	5	b	58	75	7	-	-	0	CiSt	3	4
...pton (Calshot)	1013·5	+5	NW'N	4	c-	59	75	7	2500	StCu	5	ACu	7	*	1017·5	+5	NNW	3	c	57	75	7	5700	StCu	5	ACu	7	0
... ...	1010·6	0	N	5	c	56	75	8	1500	Cu	8	-	8	*	1015·0	+6	N	3	b	55	65	8	-	-	0	ACu	2	4
... ...	1014·8	+1	NW	4	bc	60	55	8	4000	StCu	4	-	4	*	1018·4	+1	NW	2	b	58	75	8	4000	StCu	2	-	2	4

...don Observations.	Weather: Morning	Weather: Afternoon	Weather: Night	Temperature: Max. °F.	Temperature: Min. °F.	Temperature: Min. on Grass °F.	Rainfall mm.: Day	Rainfall mm.: Night	Sunshine to Sunset hrs.	Humidity: 15h. G.M.T. %	Humidity: 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 16th								Yesterday		To-day
... 24 hours ended 0700	ocbcco	obcyc	cobm	*	*	28	-	-	4.5	*	*
...wich (Royal Obsy.)	ocomz	obczy	ozbmx	*	*	30	-	-	3.0	*	*
... (...hill Row) ...	co	oco	ocb.o	60	38	30	-	-	3.2	59	68
...ster (St. James' Pk.)	*	*	-	*	*	*	*	*	3.2	*	*
...'s Pk. (Botanic Gdns).	*	*	*	61	39	*	-	-	3.6	70	70
...n Square ...	*	*	*	*	*	*	*	*	3.6	*	*
...ton Palace	bc	bc	*	60	39	?			*	*	77
...ead Observatory	obc	o	*	59	39	30	-	-	*	(18)70	76
...	*	*	*	58	38	29	-	-	3.9	*	80

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

34 Hr. ended 1600 G.M.T. 15th

South Kensington: Max.	Time	Min.	Time
0.6	14th 18h	<0.3	15th 2h
0.3	15th 13h		

Kew Observatory: Max.	Time	Min.	Time
1.0	14th 16h	0.3	15th 1-5h
0.5	14th 21h		

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 15th 19 h. 15 m. to 16th 04 h. 46 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	9 30	7 40	81
δ Ursae Minoris	9.30	7.17	77

Radio Disturbances (Atmospherics) at Croydon.¹

Type.	No. per hour.	Stren.	Direc.
C, C	8	-	40
-	-	-	-
C	7	-	160
C	7	-	100

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

16th & 17th Sept. 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.30 / 5.31	11.48 / 11.48	6.6 / 6.4
Greenwich	5.38 / 5.39	11.55 / 11.55	6.12 / 6.10
Wick	5.45 / 5.47	12.7 / 12.7	6.29 / 6.26
Valencia	6.18 / 6.19	12.36 / 12.36	6.54 / 6.52

Beaufort Notation of Weather.

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

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

Capital letters indicate intense, suffix ₀ indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r₀r₀ = continuous light rain.

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

Sea Disturbance.

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

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

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.

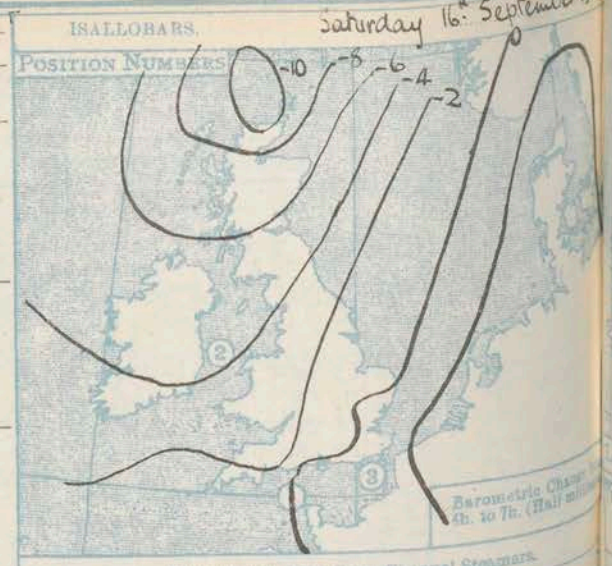
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h. 15th	13h.–18h. 15	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. Hours.
Lerwick	c	p	bbc	r-d	47	38	•	trace	1	<0800	0130	•
Stornoway	c	c	c	p	53	42	•	–	1	–	0130	8.8
Wick	ocp.q	c	oo	orrmq	49	35	•	0.1	6	<0800	0230	•
Castlebay	cb	bc	bco	opo	51	50	•	–	1	–	–	8.1
Nairn	cbcb		bcirc	cg	53	37	•	–	1	–	0330	7.7
Aberdeen	bcq	cqbcb	b.bx	boirm	52	38	28	trace	1	<0800	0630	6.8
Malin Head	p.co	p.dcv	cov	reco	55	46	•	trace	1	<0800	0130	8.4
Renfrew	bbcvy	bcbvy	bvbx	comr	57	33	26	–	trace	–	0330	11.1
Edinburgh (Inchkeith)	c	c	bbc	oo	55	43	39	–	–	–	–	9.2
Leuchars	c	b.bc	oo		55	35	25	–	0.1	–	0630	5.0
Eskdalemuir	tbbcy	bcyc	dodm	cbcb	53	29	25	–	trace	–	0630	9.2
Tynemouth	op.q	c	lfbff	ffbcm	52	39	35	trace	–	0900	–	•
Blacksod Point							•					•
Donaghadee	bc	bc	bc	oir.	54	42	•	–	1	–	0330	•
Birr Castle												
Collinstown	c	c	p	oir.q	56	43	•	–	0.5	–	2400	8.5
Holyhead	cpr.vc	coc	cbcbo	codm	55	49	44	–	1	–	0430	6.4
Liverpool (Bidston)	cp.bc	bc	bco		55	45	40	–	0.3	–	0630	7.0
Chester (Shotwick)	wpr.qcq	bbc	bcqb	cor.rm	57	43	35	trace	0.4	<0800	0530	•
Spurn Head	oo	oo	bbc	bbc	53	43	•	–	–	–	–	2.0
Nottingham	c	c	bc	mb	55	39	35	–	–	–	–	3.8
Cranwell	pr.	cbcb	cbcb	bbcm	55	39	31	trace	–	<0800	–	4.9
Gorleston	oqrc	oprqd	ocobc	bcb	57	40	35	1	trace	14.30	<2100	0.2
Valencia (Cahirciveen)	f-m o	b	co	fdo								
Roches Point							•					•
Pembroke (St. Ann's H.)	c	c	c	opdqr	58	51	•	–	–	–	–	6.6
Ross-on-Wye	ocp.v	cbcb	bb	bbccw	60	40	34	0.2	trace	<0800	–	6.4
Benson	o	oc	b	bw	60	33	28	–	trace	–	0530	•
Andover	oc	cprbc	bbc	comx	59	33	28	1	–	13.30	–	4.5
S. Farnborough	ocobco	ogbmobt	bbbm	cmx	60	32	28	–	–	–	–	3.6
London (Kew Obsy.)	ocbcco	obcyc	cob	bbmw	59	39	28	–	–	–	–	4.5
Croydon	ocomz	obczy	ozbmw	bmwxc	58	37	30	–	–	–	–	3.0
Clacton-on-Sea	ogcbc		bcb	bm	56	40	34	–	–	–	–	2.2
Shoeburyness	oo	ocbc	b	bbm	59	38	30	–	–	–	–	2.4
Grain	ou.o	c	bcb	bbcw	58	35	27	trace	trace	<0800	–	2.1
Lympne	or.rq	ocbcqb	bcmbw	bmw	56	39	29	1	trace	<0800	–	3.4
Scilly (St. Mary's)	bcqp.	c	b	bcco	57	51	•	0.1	–	<0800	–	6.8
Falmouth (Pendennis)	ocbcq	bcqb		bco	56	48	•	–	–	–	–	8.6
Plymouth (Cattewater)	b-bc	b.bc	b	bbcw	57	41	39	–	–	–	–	9.1
Portland Bill	b-bc	b-bc	bbc	c	61	50	•	–	–	–	–	•
Southampton (Calshot)	oo	c	bbc	bbc	61	43	41	0.1	–	13.30	–	5.5
Dungeness	c	c	bbc	bbcm	59	38	•	–	–	–	–	•
Jersey 7h / Guernsey 1h	obc	bcb	c	bc	61	47	•	–	–	–	–	7.5

ISALLOBARS. Saturday 16th September 1922

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	15th 1005	Cambria	NW	6	bv	51	55
1	• 1100	Ibex	NNW	6	b	53	59
3	16th 0200	Brighton.	NE	2	bc/r	54	59

GENERAL INFERENCE.

The depression which was approaching the NW coasts yesterday is now centred between the Hebrides and Iceland. It will continue to move Eastward causing rain in all districts though falls are likely to be slight in the extreme south.

Further Outlook.

Further disturbances are likely to develop over the Atlantic and maintain unsettled weather.

South Cone Hoisted 03.00h. G.M.T.

Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 16th September, 1922.

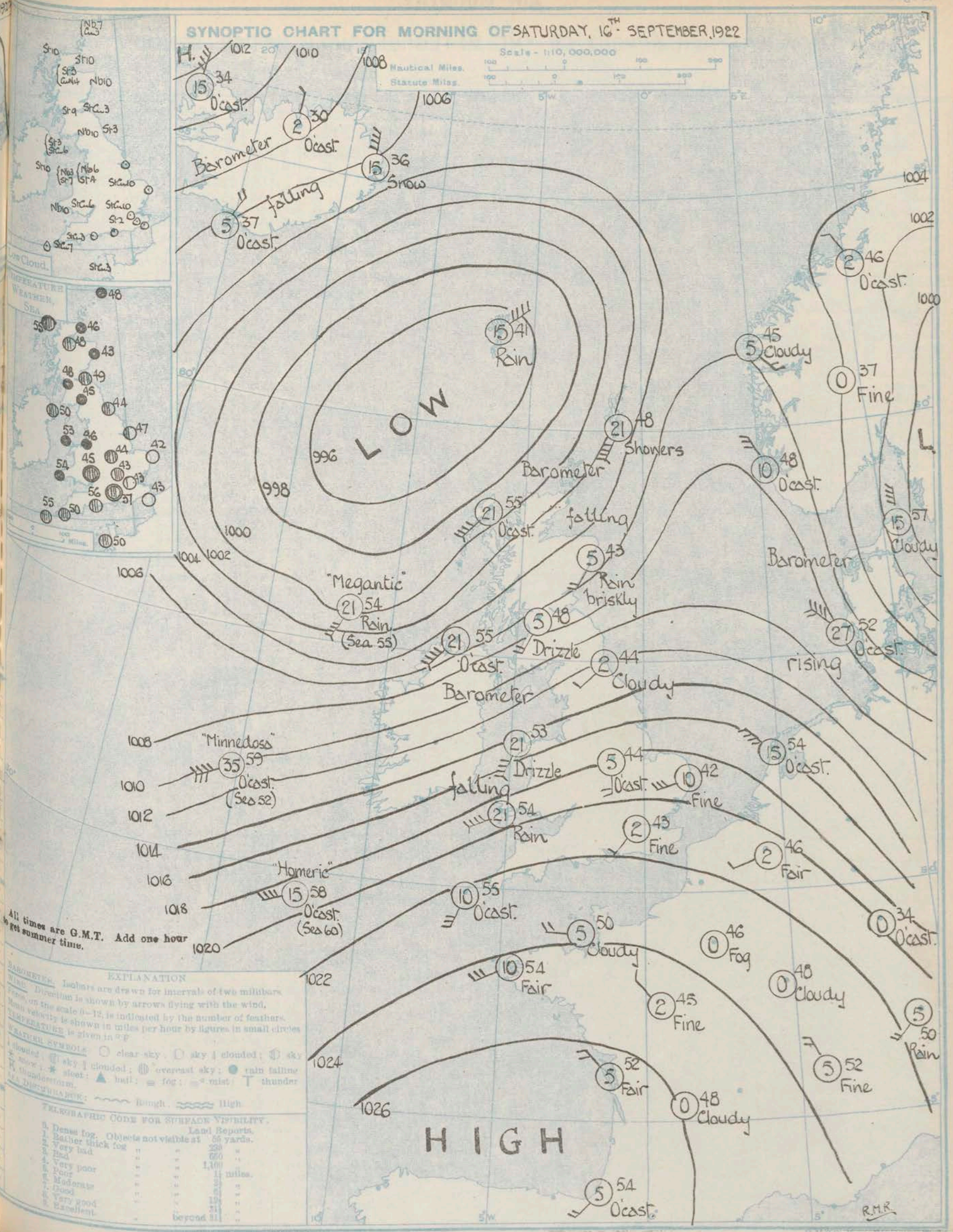
Districts.	Forecast
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Wind SW to W, moderate to strong; cloudy, some rain probable; visibility moderate to good; temperature moderate.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind Westerly, strong; dull, some rain; visibility moderate to good; moderate temperature.
14. N. & N.W. Scotland. 15. Hebrides 16. Orkneys and Shetlands	Wind W, veering NW temporarily, strong to a gale; rainy at first, bright intervals later; visibility moderate to good; rather cold.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind Westerly fresh or strong, a gale at times on the coast; variable sky, rain at times; visibility mainly good; rather cold.

E4B

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0940 G.M.T.

G. C. Simpson, F.R.S., Dir.

For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Saturday, 16th September 1922. No. 259

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1010.5	-1	WSW	2	b	43	75	7	-	-	0	Ci.Sr	1	•
Stornoway	1011.3	-5	SW	5	0+	•	•	5	•	•	•	•	•	•
Wick	1009.9	-6	SSW	4	0	47	85	8	-	-	0	A.Sr	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1012.5	-3	S	5	ofg	48	92	7	5700	Nb	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1014.1	-2	WSW	3	b	44	85	8	-	-	0	-	0	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1016.9	0	W	1	ffb	44	85	3	-	-	0	-	0	•
Blacksod Point														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1018.9	-2	SW'W	2	opf	48	92	6	1500	Sr	10	-	10	•
Holyhead	1018.6	-2	SW	3	0+	52	75	8	2500	SrCu	9	-	9	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1019.6	+2	NW	3	b	50	97	7	1500	Sr	1	-	1	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1019.9	+2	SW	3	b	41	97	7	-	-	0	-	0	•
Gorleston	1018.3	+1	W	3	bc	43	85	7	5700	SrCu	4	-	4	•
Valencia (Cahirciveen)	1023.6	+1	NW'N	2	bc	54	85	9	-	-	0	Ci.Sr	4	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1021.6	-1	W'S	3	c	54	65	8	4000	SrCu	8	-	8	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	45	•	•	•	•	•	•	•	•
Croydon	1020.9	?	SSW	2	b	40	97	6	-	-	0	-	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1020.6	+2	NW	3	b	39	97	8	-	-	0	-	0	•
Scilly (St. Mary's)	1024.2	+1	NW'N	2	b+	53	85	8	2500	Cu	1	-	1	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1021.4	+1	NW'N	4	b	55	85	7	-	-	0	-	0	•
Southampton (Calshot)	1021.8	+2	NNW	3	b+	45	97	8	-	-	0	A.Cu	2	•
Dungeness	1019.4	+4	NNE	2	b-	44	92	8	-	-	0	-	0	•
Jersey (7h.)	1023.7	+3	W	1	c+	52	85	8	7200	Cu.Nb	6	A.Cu	7	•
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1003.7	-9	SSW	5	opg	48	75	6	4000	Nb	10	-	10	4
Stornoway	998.5	-7	SW	5	o/r	55	92	5	450	Sr	10	-	10	4
Wick	1001.2	-1	SSW	6	ofr	46	92	6	800	Sr.	10	-	10	3
Castlebay	1002.8	-1	SW	4	o/r	55	97	6	800	Nb	10	-	10	•
Nairn	1001.6	•	WNW	2	c/r	48	92	8	1500	Cu.Nb	7	-	7	0
Aberdeen	1005.9	-6	S'W	2	ofg	43	92	5	2500	Nb	10	-	10	•
Malin Head	1005.8	-5	SW	5	o/r	55	97	7	1500	Sr	10	-	10	2
Renfrew	1009.0	-5	SSW	2	od	48	92	6	225	Sr	9	A.Sr	10	•
Edinburgh (Inchkeith)	1007.9	-5	WSW	4	o	49	85	8	-	SrCu	3	A.Sr	10	4
Leuchars	1008.0	-6	WNW	4	o/r	45	85	7	2500	SrCu	10	-	10	•
Eskdalemuir	1011.4	-4	SSW	5	odd	45	97	5	450	Nb	10	-	10	•
Tynemouth	1012.8	-4	SW	1	c/f	44	92	5	4000	Sr	3	A.Cu	7	0
Blacksod Point														•
Donaghadee	1011.2	-4	WSW	3	o-	50	92	8	2500	SrCu	9	-	9	4
Birr Castle														•
Collinstown	1013.9	-5	SW	5	od	53	97	5	450	Sr	10	-	10	3
Holyhead	1014.9	-4	S'W	5	odd	53	97	4	<150	Sr	10	-	10	3
Liverpool (Bidston)	1015.7	-3	S	2	odd	46	92	5	1500	Nb	10	-	10	•
Chester (Shotwick)	1015.0	-3	S	3	ofg	45	92	5	1500	Sr	10	-	10	
Spurn Head	1016.6	-1	SW	3	bc	47	85	6	-	-	0	A.Cu	5	4
Nottingham	1017.6	•	WSW	2	o+	44	92	5	1500	SrCu	10	-	10	•
Cranwell	1018.5	-1	SSW	3	o+	45	85	6	5700	SrCu	3	A.Cu	9	•
Gorleston	1019.3	0	W'S	3	b-	42	92	6	-	-	0	-	0	0
Valencia (Cahirciveen)	1014.2	-4	NW	6	odd	56	97	3	-	SrCu	10	-	10	
Roches Point														
Pembroke (St. Ann's H.)	1018.7	-3	WSW	5	ofg+	54	85	6	1500	Nb	10	-	10	4
Ross-on-Wye	1019.2	-2	-	0	o+	45	92	7	5700	SrCu	6	Ci.Sr	9	•
Benson	1020.8	0	S	2	o+	43	92	8	-	SrCu	10	-	10	•
Andover	1021.4	0	-	0	o+	37	97	5	4000	SrCu	9	-	9	•
S. Farnborough	1021.0	0	-	0	nmb	37	97	4	800	Sr	2	A.Cu	7	•
London (Kew Obsy.)	1021.7	+1	SW	1	b	43	92	6	-	-	0	A.Cu	3	•
Croydon	1021.2	0	SSW	2	c+	44	85	7	-	-	0	Ci.Sr	8	
Clacton-on-Sea	1020.4	0	W	2	mb-	44	85	5	2500	Sr	2	-	2	0
Shoeburyness	1021.0	+1	SW	1	b/f	46	85	6	-	-	0	-	0	•
Grain	1022.4	+1	SW	2	b	47	85	6	-	-	0	A.Sr	2	0
Lympne	1021.1	+1	WNW	3	b	41	92	6	-	-	0	A.Sr	1	•
Scilly (St. Mary's)	1021.4	-1	SSW	3	o	55	85	8	-	-	0	A.Sr	10	2
Falmouth (Pendennis)	1022.2	-2	SW	1	o-	50	85	8	7200	SrCu	7	A.Cu	9	0
Plymouth (Cattewater)	1021.7	-1	WSW	3	bc	47	92	7	5700	SrCu	3	A.Cu	6	0
Portland Bill	1021.4	+1	SW	4	c+	46	75	7	4000	Sr	8	-	8	2
Southampton (Calshot)	1021.9	0	W'S	2	bc+	47	85	7	-	-	0	A.Cu	5	0
Dungeness	1021.3	+2	NNW	2	b	43	92	5	-	-	0	-	0	3
Jersey (7h.)	1022.3	0	W	2	mc	50	85	8	4000	SrCu	3	Ci.Cu	7	0
Guernsey (1h.)														

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 14-15 °F.	Temperature. Max. Day. 15 °F.	Rainfall.† Night 17h.-9h. 14th-15 mm.	Rainfall.† Day 9h.-17h. 15 mm.	Sunshine. Sunrise to 17h. 15 hr.	Sunshine. Sunrise to Sunset. 14th hr.
Banff	cc	bcb	47	51	0·3	-	6·6	0·0
Montrose	-	-	45	55	-	-	6·8	1·8
Llandudno	bc	bccb	49	57	trace	-	6·5	0·0
Colwyn Bay	cbc	bc	52	56	-	-	6·1	0·0
Rhyl	cbc	bc	53	56	0·2	-	6·3	0·0
Southport	bcc	cbbc	53	56	-	-	8·3	0·0
Blackpool	c	bc	52	56	-	-	8·7	0·0
Harrogate	c	c	47	53	0·1	-	4·9	0·0
Skegness	oc	boo	50	54	13	-	1·1	2·6
Aberystwyth	rocob	bcc	53	55	4	-	4·0	1·5
Bath	bepb	cpbc	53	62	3	0·2	5·2	3·3
Leamington Spa	o	b		59	4	-		0·9
Lowestoft	ocro	oco	50	56	14	0·4	2·0	6·0
Felixstowe	og	cbc	50	57	7	-	1·2	1·9
Southend	o	oc	49	59	8	-	2·3	2·3
Paignton	opbpq	bq	54	61	-	trace	7·3	5·8
Ilfracombe								3·9
Bude	cbcbc	bcb	53	60	1	-	7·2	1·7
Penzance	cbc	bc	54	58	0·3	-	5·5	3·6
Falmouth Observatory	bc	bcb	53	57	-	-	8·1	6·1
Torquay	bc	bc	54	62	0·3	-	7·4	8·9
Weymouth	bc	bcb	54	64	1	-	8·2	
Bournemouth	p	p	53	59	1	3	4·0	7·5
Portsmouth (S'thsea)	bc	bc	52	61	4	-	5·2	6·6
Worthing	bcc	co	53	60	7	-	4·4	7·8
Brighton	c	c	53	60	5	-	5·5	6·5
Eastbourne	oc	cbcc	52	61	7	-	4·7	6·1
Hastings	oc	cbc	51	60	8	-	3·9	4·8
Folkestone	o	bc	51	60	3	-	2·5	2·5
Tunbridge Wells	oco	cbcc	50	59	11	trace	2·3	2·5
Ramsgate	rdo	obcb	47	56	11	0·4	1·7	1·9
Margate	do	ocb	52	56	7	0·1	1·4	2·7
Deal	orqpc	bc	51	55	11	1	0·0	

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22214 SUNDAY, 17th September 1922. Page 1.

Observations at 1300 G.M.T. 16

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	Height of Low Cloud Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	994.8	-9	SSW	6	or r0	49	97	5	2500	Nb	10	-	10	•
Stornoway	992.5	-7	SW	6	oR-	55	97	5	450	St	10	-	10	•
Wick	994.1	-7	SW	5	o/r	56	92	8	2500	CuNb	5	A.Cu	10	•
Castlebay	995.7	-7	SW	6	orr	56	97	5	450	Nb	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	998.8	-7	ESE	4	or0	54	85	6	4000	CuNb	9	-	9	•
Malin Head	1000.0	-8	SW	7	mo+	59	97	5	800	St	10	-	10	•
Renfrew	1001.9	-10	SW	4	od0	58	85	6	800	Nb	10	-	10	•
Edinburgh (Inchkeith)	1001.9	-6	SW	5	o	58	85	8	-	St	10	-	10	•
Leuchars	1001.6	-8	SW	4	o	56	85	8	1500	St	10	-	10	•
Eskdalemuir	1005.8	-6	SSW	5	odd	54	97	4	800	Nb	10	-	10	•
Tynemouth	1007.0	-4	SW	3	c/r	59	75	6	4000	St	6	A.St	8	•
Blacksod Point														•
Donaghadee	1006.0	-5	SW	3	c-	62	85	8	4000	Cu	8	-	8	•
Birr Castle														•
Collinstown	1009.1	-6	SW'W	6	o-	65	92	7	800	St	8	A.St	9	•
Holyhead	1010.6	-3	S	5	odd0	58	97	6	<150	St	10	-	10	•
Liverpool (Bidston)	1011.0	-4	SW	5	c-	61	75	9	2500	CuNb	8	-	8	•
Chester (Shotwick)	1010.2	-6	SW	5	o	63	75	8	2500	St.Cu	6	Ci.St	9	•
Spurn Head	1012.0	-4	SW	6	c	57	85	6	4000	CuNb	8	-	8	•
Nottingham	1014.1	•	SW	4	o	56	85	6	1500	Nb	8	Ci.St	10	•
Cranwell	1015.2	-3	SSW	4	o	55	85	7	2500	St.Cu	10	-	10	•
Gorleston	1017.7	-1	SW'W	5	o+	56	65	7	4000	Nb	7	Ci.St	10	•
Valencia (Cahirciveen)	1011.3	-4	SW'W	6	or0	57	92	6	-	St	10	-	10	•
Roches Point										•				•
Pembroke (St. Ann's H.)	1016.2	-2	SSW	5	odd	57	92	5	1500	St	10	-	10	•
Ross-on-Wye	1016.6	-3	SW	4	o	55	85	8	4000	St.Cu	10	-	10	•
Benson	1018.0	-3	SW	5	o	56	65	9	-	St.Cu	10	-	10	•
Andover	1019.2	-3	WSW	5	or0r0	55	75	7	1500	Nb	6	A.St	10	•
S. Farnborough	1019.1	-3	SW	5	o	58	65	7	2500	St.Cu	4	A.St	10	•
London (Kew Obsy.)	1019.0	-4	SW	4	o	59	65	8	2500	St.Cu	4	A.St	10	•
Croydon	1019.3	-3	WSW	4	o/r	58	65	8	1500	St.Cu	8	A.St	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1019.3	-6	WSW	2	o	58	85	7	2500	St.Cu	10	-	10	•
Grain	1019.3	-3	SSW	5	o+	58	65	8	2500	St.Cu	8	A.St	10	•
Lympne	1019.9	-3	WSW	5	o	57	65	8	2500	Cu	6	A.Cu	9	•
Scilly (St. Mary's)	1019.3	-2	SW	3	ffo	58	97	3	800	St	10	-	10	•
Falmouth (Pendennis)	1018.8	-5	SW	7	mmo	56	97	4	1500	St	10	-	10	•
Plymouth (Cattewater)														•
Portland Bill	1019.5	-3	SW	6	o+	56	75	7	1500	St.Cu	10	-	10	•
Southampton (Calshot)	1020.5	-2	WSW	5	o	57	75	8	2500	St.Cu	7	A.St	10	•
Dungeness	1020.1	-2	WSW	4	bc+	59	65	8	2500	Cu	3	Ci.Cu	5	•
Jersey 7h / Guernsey 1h	1023.3	0	SW	4	b+	60	65	9	-	-	0	A.Cu	3	•

Observations at 1800 G.M.T. 16

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	Height of Low Cloud Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	988.2	-7	SW	6	or0r0	52	97	5	2500	Nb	10	-	10	5
Stornoway	989.8	+1	W	6	orr	54	97	5	450	St	10	-	10	4
Wick	988.3	-6	SW	4	o/r	56	92	9	800	St	8	A.Cu	10	3
Castlebay	994.5	+1	W	4	or0r0	54	97	5	450	Nb	10	-	10	5
Nairn	989.7	•	W	4	bc/r	58	85	8	4000	Cu	6	-	6	•
Aberdeen	993.2	-6	SSW	4	bc	59	85	6	1500	St	8	-	8	1
Malin Head	998.7	-2	SWW	8	oDD	56	97	5	450	St	10	-	10	4
Renfrew	998.2	-3	SW	4	odd	58	97	6	225	Nb	10	-	10	•
Edinburgh (Inchkeith)	995.0	-7	WSW	6	o-	59	92	8	-	St	9	-	9	4
Leuchars	995.2	-6	SW	6	orr	59	92	7	800	St.Cu	10	-	10	5
Eskdalemuir	1000.7	-4	SSW	5	or	56	97	5	1500	Nb	10	-	10	•
Tynemouth	1001.8	-4	SW	3	cpr0	60	85	6	4000	CuNb	4	Ci.Cu	7	1
Blacksod Point														
Donaghadee	1002.6	-3	WSW	3	od0	63	85	8	4000	St.Cu	10	-	10	1
Birr Castle														•
Collinstown	1006.7	-1	W'S	6	o/r	59	92	6	800	St	10	-	10	•
Holyhead	1006.9	-3	SSW	6	o	57	97	6	<150	St	10	-	10	6
Liverpool (Bidston)	1006.5	-4	SW	7	c	61	85	8	800	St.Cu	8	-	8	6
Chester (Shotwick)	1006.3	-6	SW	7	bc+	62	75	8	2500	St.Cu	6	-	6	•
Spurn Head	1008.5	-4	SW	6	o	55	85	6	4000	Nb	9	-	9	5
Nottingham	1010.7	•	SW	4	o	57	97	7	1500	Nb	10	-	10	•
Cranwell	1011.1	-4	S'W	6	o	56	85	7	2500	St.Cu	10	-	10	•
Gorleston	1014.9	-3	SW	5	o+	56	75	7	4000	St.Cu	10	-	10	1
Valencia (Cahirciveen)	1011.2	+1	SSW	6	odd	55	85	6	-	St	10	-	10	
Roches Point														
Pembroke (St. Ann's H.)	1012.8	-3	SW'W	5	fo-	57	97	3	450	St	10	-	10	5
Ross-on-Wye	1013.0	-4	SW'W	6	o	59	92	8	800	St	10	-	10	•
Benson	1015.0	-3	SSW	5	o	55	92	6	800	St	10	-	10	•
Andover	1015.0	-4	SW	5	odd0	55	97	6	800	Nb	10	-	10	•
S. Farnborough	1016.2	-4	SW	6	odd	55	92	6	1500	Nb	10	-	10	•
London (Kew Obsy.)	1016.0	-4	SW'S	4	o	57	85	7	2500	St.Cu	8	A.St	10	•
Croydon	1016.8	-3	SWW	4	o	55	85	8	1500	St	10	-	10	•
Clacton-on-Sea	1015.8	-2	SW	4	c	57	75	7	2500	St	4	A.Cu	7	3
Shoeburyness	1016.2	-7	SW	4	o/r	56	85	6	1500	Cu	10	-	10	•
Grain	1016.5	-4	SSW	5	o/r	57	75	8	1500	St	8	A.St	10	3
Lympne	1017.6	-2	WSW	5	o	55	75	8	1500	St	9	A.Cu	10	•
Scilly (St. Mary's)	1017.2	-2	SW'W	4	ffo	57	97	3	800	St	10	-	10	4
Falmouth (Pendennis)	1017.4	-3	SW	6	od0	57	97	4	1500	St	10	-	10	1
Plymouth (Cattewater)	1016.8	-4	SW	5	od0+	57	97	5	<150	Nb	10	-	10	3
Portland Bill	1015.5	-4	SW	7	opr0	56	75	6	450	St	10	-	10	6
Southampton (Calshot)	1017.4	-4	SW'W	6	orr	57	97	6	450	Nb	10	-	10	3
Dungeness	1017.7	-3	W	6	o0+	58	75	8	1500	St	10	-	10	5
Jersey 7h / Guernsey 1h	1020.9	0	SW	4	o	59	75	8	2500	St.Cu	10	-	10	3

LONDON OBSERVATIONS. (24 hours ended 0900 G.M.T. 17; Kew, Croydon: 24 hours ended 0700)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew	owopr0o	oo	od0d0o	•	•	56	-	0.1	1.8	•	•
Croydon	copr0	oo	od0dq	•	•	54	tra	0.9	2.9	•	•
Greenwich (Royal Obsy.)	o	o	oir	61	54	54	-	2	3.0	68	95
City (Bunhill Row)	•	•	•	•	•	•	•	•	1.5	•	•
Westminster (St. James' Pk.)	•	•	•						2.3		
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	1.1	•	•
Camden Square	bc	b	•	60	56	53	-	2	•	•	94
Kensington Palace	bco	o	•	59	56	54		2	•	90	97
Hampstead Observatory	•	•	•			•			2.2	•	

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

South Kensington			
Max.	Time.	Min.	Time.

Kew Observatory			
Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre.
During yesterday.
South Kensington.
Total .... joules
Average Rate
.... Milliwatts.
Maximum Rate
.... Milliwatts.

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

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

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C,C2	7	6	155°
18h.	C,C2	7	7	105°
01h.	C,C2	7	-	100
07h.	C	6	4	135

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 17th & 18th Sept. 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.31 / 5.32	11.48 / 11.47	6.4 / 6.2
Greenwich	5.39 / 5.40	11.53 / 11.54	6.10 / 6.8
Wick	5.47 / 5.49	12.7 / 12.6	6.26 / 6.24
Valencia	6.19 / 6.20	12.36 / 12.35	6.52 / 6.50

BEAUFORT NOTATION OF WEATHER.

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

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

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

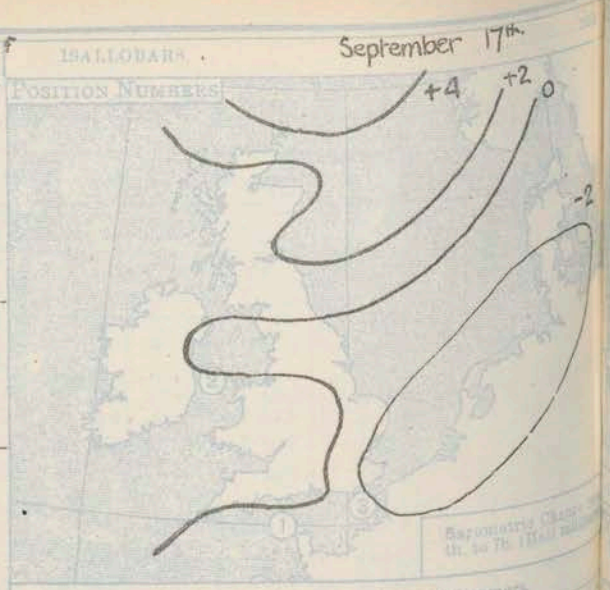
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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.

M.O. Form 2370

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 16	13h.-18h. 16	18h. 16 to 1h. 17	1h.-7h. 17	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. Grass	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	r.d	r-d	r-d	r-d	52	44	•	11	12	<0800	<2100	•
Stornoway	r-d	r-d	r-d	p	56	47	•	10	5	?	<2100	0.1
Wick	rmqR	orovlov	c	oir.	57	43	•	4	0.4	<0800	2400	•
Castlebay	orr	rr.r	r.oc	cop	56	46	•	1	0.6	<0800	-	0.0
Nairn	bcq	irc	bc	cq	64	50	•	0.4	-	1530	-	4.3
Aberdeen	ir.bc	ir.cq	cbdm	bcbm	59	50	46	0.6	-	<0800	-	0.0
Malin Head	wfo	ifoD	oqpr	imrq	60	50	•	1	2	0900	-	0.2
Renfrew	oqd.	oodd	or.rq	ompq	59	49	45	1	6	<0800	<2100	0.0
Edinburgh (Inchkeith)	oo	oolr.	ir.	c	60	51	48	0.3	0.2	0900	0530	0.2
Leuchars	opr	orq	c	c	59	49	45	1	trace	1100	<2100	0.0
Eskdalemuir	odm	oirm	ormo	orm	56	47	45	10	5	<0800	<2100	0.0
Tynemouth	mp.	rb.o	p.qb	mq	62	53	47	0.1	0.4	<0800	<2100	•
Blacksod Point ...							•					•
Donaghadee	c	ir.	c	c	64	51	•	0.2	-	1430	-	•
Birr Castle												
Collinstown	oo	or.rq	ocmo	b.bc	66	49	•	0.3	-	1430	-	
Holyhead	oding	ddmq	odmo	coro	58	53	49	1	2	<0800	0130	0.0
Liverpool (Bidston) ...	cb.oc	c	r-d		64	46	46	-	2	-	0130	2.8
Chester (Shotwick) ...	or.r.oq	ocbcq	bccq	coqrrc bc	66	54	49	0.4	2	<0800	0230	•
Spurn Head	bbc	oo	oo	oo	59	55	•	trace	0.4	1100	0530	3.9
Nottingham	oor	oo	oc	cr.	57	55	53	7	0.3	<0800	0230	0.0
Cranwell	r-d	c	oo	odoc	57	42	40	trace	0.3	0900	2400	1.1
Gorleston	bbcoq	ocq	oq	oidq	59	56	55	-	0.4	-	0230	6.4
Valencia (Cahirciveen)	orm	o.r-d	doc	o								
Roches Point							•					•
Pembroke (St. Ann's H.)	odm	offo	f-m	p	57	55	•	0.4	4	<0800	<2100	0.0
Ross-on-Wye	coop.	do	od	orcd	58	56	54	0.1	1	0900	0630	0.0
Benson	o	o	o	o	57	55	55	-	-	-	-	•
Andover	omo	rd	or	ddm	56	53	54	-	1	-	<2100	0.0
S. Farnborough ...	oo	r-d	oir.	or.	58	55	54	trace	0.4	1430	<2100	0.7
London (Kew Obsy.) ...	owop.o	oo	ood.	od.oo	59	57	56	-	0.1	-	<2100	1.8
Croydon	cop.	oo	od.dq	oqd.d.	59	54	54	trace	0.4	1230	<2100	2.9
Clacton-on-Sea ...	bm	bcc	co	o	59	56	55	-	-	-	-	5.3
Shoeburyness	febcr	obc	o	oopod	60	55	55	trace	trace	1330	0230	3.8
Grain	bbcco	oir.o	oid.o	oid.o	60	55	53	trace	trace	1430	<2100	3.8
Lympne	bbccom	oo	oo	omddf	57	54	53	-	2	-	0130	5.5
Scilly (St. Mary's) ...	FFe	FFe	ffid	ffid	59	55	•	-	1	-	2200	0.0
Falmouth (Pendennis)	omdq	omqd		omd	58	56	•	trace	1	1430	<2100	0.0
Plymouth (Cattewater)		r-d						0.3		1100		
Portland Bill	oo	p	p	p	61	54	•	0.1	1	1530	<2100	•
Southampton (Calshot)	oo	od.or.	id.dd	ddddd	58	57	57	0.1	1	1630	<2100	1.8
Dungeness	bbc	bbc	q.r.p.	qd.d.	61	58		-	0.3	-	2400	•
Jersey 7h. ...	cb	bco	od.	odoc	61	57	•	-	0.1	-	2200	2.2
Guernsey 1h.												



Observations from Cross Channel Steamers.

Position	Date and Time	Steamship.	Wind. Direc.	Wind. Force	Weather.	Temp. Air	Temp. Sea
2	16th 1005	Cambria	SSW	6	bc	56	56
1	• 1200	Reindeer	WSW	4	c	57	59
3	17 0200	Arundel	WSW	6	oD	58	59

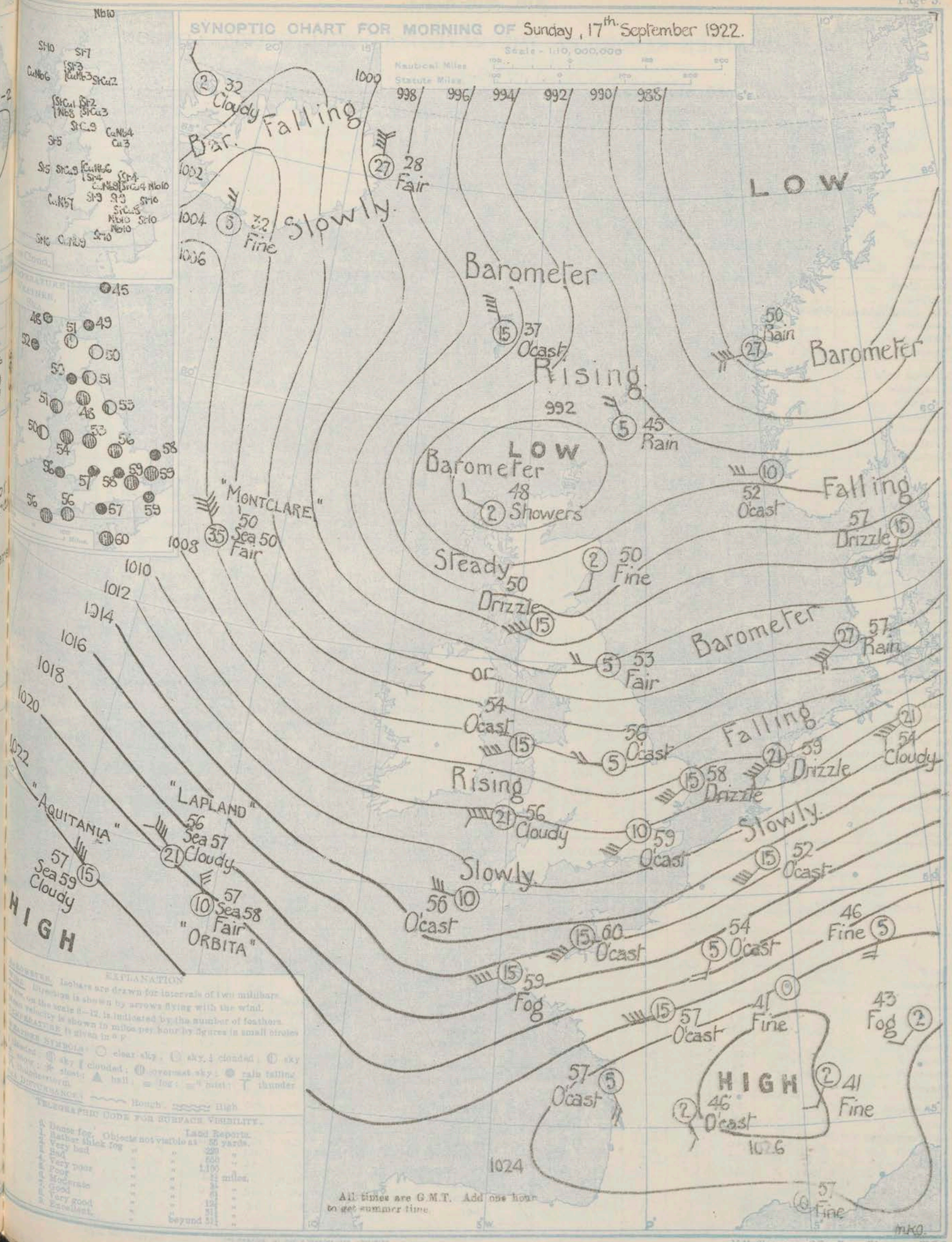
GENERAL INFERENCE.

The depression over the north of Scotland will move away eastwards and winds will be westerly to northwesterly generally with variable skies, occasional showers and a falling temperature.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday 17th September 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind W to NW, fresh or strong at times; variable skies, occasional showers; visibility good; temperature falling	Winds from a westerly point and changeable weather
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind northwesterly, strong at times; changeable, showery; visibility good; cold.	South Cone hoisted on all Coasts on Saturday.
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 1 to 13.	

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

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Sunday, 17th September 1922. No. 260

Observations at 0100 G.M.T. 17

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	9918	+5	NW	5	o/r	48	92	6	4000	Sr.Cu	10	-	10	.
Stornoway	9935	-1	W	6	r.r.	.	.	4	.	.	.	.	.	.
Wick	990.6	+2	SW	1	bcd-	52	92	9	2500	CuNb	4	A.Cu	6	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	999.1	0	W	8	OPR	53	92	6	1500	Sr	10	-	10	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	9954	+3	W'SW	6	c	53	85	8	-	Sr	8	-	8	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	10008	0	W	2	b-	59	85	7	-	-	0	A.Cu	3	.
Blacksod Point ...														.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Collinstown	10063	-1	N	6	o	53	92	7	800	Sr	10	-	10	.
Holyhead	1006.1	-1	SW'S	4	o/f	57	92	8	2500	SrCu	10	-	10	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	1005.1	-3	SW	5	o	59	75	7	450	Sr	10	-	10	.
Nottingham	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	1007.5	-2	SSW	5	o	59	85	7	2500	Sr	10	-	10	.
Gorleston	10104	-1	SW	6	o	59	85	8	-	-	0	A.Sr	10	.
Valencia (Cahirciveen)	10108	0	W	1	od.	54	97	6	-	Sr	10	-	10	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	10108	-2	W'N	5	o/f	56	92	7	1500	Sr	10	-	10	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.)...	.	.	.	.	.	59	.	.	.	.	.	.	.	.
Croydon	10129	-4	SW	5	od.g	58	92	7	800	Nb	10	-	10	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness... ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	10137	-4	WSW	6	o	55	97	5	800	Sr	10	-	10	.
Scilly (St. Mary's) ...	10148	-2	W	4	ffo	57	97	3	450	Sr	10	-	10	.
Falmouth (Pendennis)														.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	10188	-2	WSW	7	opr.	55	85	6	450	Sr	10	-	10	.
Southampton (Calshot)	10134	-4	WSW	6	odd	58	97	6	450	Sr	10	.	10	.
Dungeness	10136	-2	WSW	7	or.r	58	97	6	800	Sr	10	-	10	.
Jersey 7h	10160	-4	SSW	6	oDS	57	97	4	1500	Sr	10	-	10	.
Guernsey 1h														

Observations at 0700 G.M.T. 17

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	9926	+6	NNW	2	or.+	45	92	7	4000	Nb	10	-	10	1
Stornoway	990.6	+2	WNW	1	OPR	48	92	4	450	Sr	10	-	10	1
Wick	991.5	+2	WSW	2	or.	49	92	8	800	Sr	7	A.Cu	10	0
Castlebay	9931	0	WNW	4	cpr.	52	92	7	1500	CuNb	6	A.Sr	7	4
Nairn	9920	.	W	2	bc	51	85	8	1500	Sr	6	-	6	.
Aberdeen	994.6	+1	S'W	1	b	50	85	6	4000	SrCu	2	-	2	0
Malin Head	997.2	-3	W	8	OPR	53	97	6	1500	Nb	9	-	9	6
Renfrew	997.6	-3	WSW	5	od.	50	92	6	1500	Nb	9	-	9	.
Edinburgh (Inchkeith)	995.9	+2	SW	5	bc	51	85	8	-	SrCu	3	-	5	4
Leuchars	995.9	+1	SW	4	c+	51	85	8	4000	SrCu	7	-	7	.
Eskdalemuir	999.0	0	SW	6	o/r	48	92	7	1500	SrCu	9	-	9	.
Tynemouth	10008	+1	W	2	bc	53	85	7	4000	CuNb	2	A.Cu	4	0
Blacksod Point ...	1002.8	0	WSW	3	c-	51	85	8	4000	Sr	5	A.Cu	8	1
Donaghadee														.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Collinstown	1006.7	0	WSW	5	bc	50	92	7	1500	Sr	5	-	5	2
Holyhead	1006.3	0	WSW	4	o/r	54	85	8	800	SrCu	9	-	9	2
Liverpool (Bidston) ...	1005.1	0	WSW	5	o/r	53	85	8	800	CuNb	10	-	10	5
Chester (Shotwick) ...	1004.9	0	W	3	bc+	54	75	8	2500	SrCu	6	-	6	.
Spurn Head	1003.8	0	WNW	7	c-	56	75	7	4000	CuNb	8	-	8	6
Nottingham	1005.9	.	W	2	o	56	85	7	800	CuNb	9	-	9	.
Cranwell	1006.1	0	SW'S	5	c/r	55	92	7	2500	Sr	8	-	8	.
Gorleston	1008.3	-2	SW	4	od.	58	92	7	4000	Nb	10	--	10	5
Valencia (Cahirciveen)	1012.5	+4	S'W	4	o-	53	92	8	-	Sr	10	-	10	
Roches Point														5
Pembroke (St. Ann's H.)	1010.2	+1	W'N	5	cjo	56	85	8	4000	CuNb	7	-	7	.
Ross-on-Wye	1008.9	+1	W'S	4	od-	57	85	8	2500	Sr	9	-	9	.
Benson...	1009.2	0	SSW	4	or+	58	85	7	1500	Sr	9	A.Cu	10	.
Andover	1010.4	-1	WSW	4	odd	57	97	5	450	Nb	10	-	10	.
S. Farnborough ...	1010.3	0	SW	5	or.	58	92	6	800	Nb	10	-	10	.
London (Kew Obsy.)...	1010.5	0	SW	3	o/r	59	85	7	2500	SrCu	8	A.Sr	10	.
Croydon	1010.7	-1	WSW	4	odd.	58	92	8	800	Sr	10	-	10	4
Clacton-on-Sea ...	1009.1	-2	SW	4	o	59	92	7	2500	Sr	10	-	10	.
Shoeburyness... ...	1010.1	0	SW	3	od.	59	92	7	2500	SrCu	8	A.Sr	10	3
Grain	1010.5	0	SW	4	od.	59	92	7	800	Sr	10	-	10	.
Lympne	1011.0	-5	SW	6	odd	57	97	2	<150	Nb	10	-	10	5
Scilly (St. Mary's) ...	1013.8	0	W'N	3	o/f	56	97	7	800	Sr	10	-	9	1
Falmouth (Pendennis)	1013.3	+2	W	4	o-	56	97	6	2500	CuNb	9	-	10	6
Plymouth (Cattewater)														0
Portland Bill	1010.4	-3	WSW	7	opr.	57	85	6	450	Sr	10	-	10	7
Southampton (Calshot)	1011.5	0	WSW	5	odd	58	97	6	450	Nb	10	-	10	3
Dungeness	1010.9	-2	SW	8	odd	59	97	5	450	Sr	10	-	10	
Jersey 7h	1015.6	-1	SW	4	o/r	60	97	8	1500	Nb	10			
Guernsey 1h														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Sat. 16

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 15-16 °F.	Temperature. Max. Day. 16 °F.	Rainfall.† Night 17h.-9h. 15-16 mm.	Rainfall.† Day 9h.-17h. 16 mm.	Sunshine. Sunrise to 17h. 16 hr.	Sunshine. Sunrise to Sunset. 15 hr.
Banff	oc	pbcv.2	35	64	4	0.2	7.8	6.6
Montrose	-	-	36	59	0.4	-	0.0	6.9
Llandudno	o	ccbc	40	66	-	-	2.3	6.8
Colwyn Bay ...	bc	bc	47	63	-	-	3.6	6.5
Rhyl...	cbc	c	42	64	0.1	-	3.1	6.8
Southport	ro	oco	47	62	1	0.2	0.8	8.3
Blackpool	od	o	48	60	3	?	0.3	8.8
Harrogate	ooc	co	38	59	2	?	0.1	4.9
Skegness	bc	c	36	56	-	-	2.0	1.1
Aberystwyth ...	roc	o	45	61	1	-	0.0	4.0
Bath	-	-	38	59	-	-	0.0	5.5
Leamington Spa ...	o	o	38	57	0.2	-	0.0	4.0
Lowestoft	b	bcocb	40	59	-	-	6.3	2.0
Felixstowe	b	o	40	59	-	-	5.3	1.2
Southend	cod	o	41	60	-	0.1	4.1	2.3

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 15-16 °F.	Temperature. Max. Day. 16 °F.	Rainfall.† Night 17h.-9h. 15-16 mm.	Rainfall.† Day 9h.-12h. 16 mm.	Sunshine. Sunrise to 17h. 16 hr.	Sunshine. Sunrise to Sunset. 15 hr.
Paignton	odg	odg	44	59	-	trace	0.0	8.0
Ilfracombe	od	od	49	59	-	0.1	0.0	6.7
Bude	o	o	52	60	-	-	0.0	9.1
Penzance	odm	om	46	60	-	trace	0.0	5.5
Falmouth Observatory	odm	oem	45	59	-	0.1	0.0	9.1
Torquay	o	d	45	58	-	0.2	0.0	8.3
Weymouth	c	o	42	62	-	-	0.3	9.2
Bournemouth ...	bo	oor	41	57	-	0.3	0.9	4.0
Portsmouth (S'thsea)	bbc	o	42	59	-	-	2.4	5.5
Worthing	bco	o	40	60	-	-	3.8	4.4
Brighton	b	bc	40	59	-	-	3.5	5.5
Eastbourne	bcc	oco	40	60	-	-	4.4	4.7
Hastings	bbcc	co	43	60	-	-	4.5	3.9
Folkestone	bc	o	41	60	-	-	6.7	2.5
Tunbridge Wells ...	bcco	o	36	59	-	-	3.9	2.3
Ramsgate	b	bco	38	58	-	-	7.3	2.0
Margate	b	oc	42	60	-	-	6.0	1.7
Deal	bbc	bcc	38	59	-	-	7.0	0.5

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 22,215 MONDAY, 18th SEPTEMBER 1922.

Observations at 1300 G.M.T. 17th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	997·3	+6	NNE	5	opr6	44	85	7	5700	StCu	5	ACu	9	•
Stornoway	1002·3	+12	NE	5	o|p6	48	75	5	450	St	10	–	10	•
Wick	994·9	+8	NNE	5	opr6	46	92	7	800	St	10	•	10	•
Castlebay	1004·3	+10	NNW	5	c|p	54	85	7	1500	CuNb	5	ASt	6	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	994·6	+1	NW'W	3	bc|r	56	75	8	4000	CuNb	5	–	5	•
Malin Head	1002·3	+6	NNW	7	cPR–	52	97	7	2500	St	8	–	8	•
Renfrew	999·1	+4	W	3	cPR	53	92	5	1500	CuNb	8	–	8	•
Edinburgh (Inchkeith)	995·7	0	WSW	5	cpr6	54	85	7	–	CuNb	7	–	7	•
Leuchars	996·1	0	WSW	4	cPR–	57	75	8	2500	StCu	8	–	8	•
Eskdalemuir	1000·1	+1	SW	6	o|p	51	85	7	1500	Nb	9	–	9	•
Tynemouth	1000·5	0	W	3	c|p	58	75	7	4000	CuNb	7	–	7	•
Blacksod Point														•
Donaghadee	1003·0	+1	W	4	bc	58	75	8	5700	Cu	5	ACu	6	•
Birr Castle	*	*												•
Collinstown	1008·8	+3	W	6	o+	52	85	7	1500	StCu	9	–	9	•
Holyhead	1008·2	+2	WSW	5	c|r	54	85	8	800	Cu	8	–	8	•
Liverpool (Bidston)	1006·1	0	WSW	7	?	57	65	8	?	?	?	?	?	•
Chester (Shotwick)	1005·8	+2	WNW	3	c+	60	65	8	2500	Cu	7	–	7	•
Spurn Head	1004·7	+1	NW	6	c	58	75	7	4000	CuNb	8	–	8	•
Nottingham	1006·4	•	W	4	c	61	55	7	800	CuNb	7	–	7	•
Cranwell	1007·1	+2	WSW	6	c	60	85	8	1500	Cu	7	–	7	•
Gorleston	1007·4	0	W	4	c–	64	65	7	4000	Cu	8	–	8	•
Valencia (Cahirciveen)	016·6	+4	W'S	4	bc–	54	85	9	–	CuNb	4	–	4	•
Roches Point														•
Pembroke (St. Ann's H.)	1013·4	+2	W	6	bc	56	75	8	2500	Cu	4	–	4	•
Ross-on-Wye	1011·0	+3	W'N	4	c	59	55	9	4000	Cu	8	–	8	•
Benson	1011·4	+2	WSW	5	bc	63	55	8	2500	Cu	6	–	6	•
Andover	1011·7	+2	WNW	6	bc	61	65	8	2500	StCu	4	–	4	•
S. Farnborough	1011·0	+2	W'S	5	bc–	65	55	8	2500	Cu	6	–	6	•
London (Kew Obsy.)	1010·4	+1	WSW	5	b–	63	55	8	2500	Cu	3	–	3	•
Croydon	1010·7	0	W	4	bc|r	64	55	8	2500	Cu	5	–	5	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1009·5	–1	W	4	b–	66	65	7	2500	Cu	3	–	3	•
Grain	1009·0	–1	W	6	c|r	65	65	8	2500	Cu	7	–	7	•
Lympne	1010·2	–1	WSW	6	c–	64	75	8	1500	StCu	7	–	7	•
Scilly (St. Mary's)	1017·2	+3	WNW	5	b	59	75	8	4000	StCu	3	–	3	•
Falmouth (Pendennis)	1016·9	+2	W	5	c–	58	85	9	2500	Cu	8	–	8	•
Plymouth (Cattewater)	1016·0	+4	NW	5	bc–	59	65	9	4000	Cu	6	–	6	•
Portland Bill	1013·2	+3	W	7	b–	61	75	7	–	–	0	CiCu	3	•
Southampton (Calshot)	1011·0	0	WNW	6	c–	62	75	8	<150	Cu	7	–	7	•
Dungeness	1010·7	–1	SW	6	bc|r	62	92	7	1500	Cu	4	–	4	•
Jersey 7h / Guernsey 1h	1017·3	0	W	4	o	61	85	8	1500	Nb	10	–	10	•

Observations at 1800 G.M.T. 17th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1003·6	+5	N	4	c|r	42	75	7	4000	CuNb	3	ACu	7	3
Stornoway	1009·4	+9	NE	3	c	44	65	5	4000	Cu	6	–	6	2
Wick	1005·6	+10	NNW	5	bc|r	43	85	8	2500	CuNb	4	–	4	3
Castlebay	1012·4	+4	NNW	4	b	47	75	8	2500	Cu	2	–	2	5
Nairn	1008·0	*	NW'N	3	c|r	43	75	8	4000	CuNb	7	–	7	•
Aberdeen	1005·4	+14	NW'N	4	b|r	45	85	8	4000	CuNb	3	–	3	3
Malin Head	1012·2	+11	NNW	7	bcPR–	50	85	7	4000	CuNb	5	–	5	6
Renfrew	1007·9	+12	NW	3	or6	49	85	8	2500	Nb	10	–	10	•
Edinburgh (Inchkeith)	1005·3	+15	N	4	o+	50	75	8	–	StCu	9	–	9	3
Leuchars	1004·9	+14	N	4	c|r	48	75	8	2500	StCu	8	–	8	5
Eskdalemuir	1005·8	+8	NW	3	opr6	48	85	8	1500	Nb	10	–	10	•
Tynemouth	1002·5	+2	W	3	bc+	55	75	6	4000	CuNb	3	CiCu	5	1
Blacksod Point														•
Donaghadee	1010·3	+3	NW	4	bc–	51	75	8	–	CuNb	2	ACu	4	4
Birr Castle		*												•
Collinstown	1014·3	+7	W'N	6	bc	51	92	8	2500	StCu	3	ACu	4	•
Holyhead	1010·9	+5	W	6	bc|p	56	75	8	2500	Cu	5	–	5	6
Liverpool (Bidston)	1008·1	+3	WSW	8	c	55	75	9	2500	StCu	7	–	7	7
Chester (Shotwick)	1008·8	+4	W'S	5	bc–	56	65	8	4000	StCu	4	ACu	5	•
Spurn Head	1005·8	–1	W'N	6	o|p	56	85	7	4000	CuNb	9	–	9	6
Nottingham	1009·2	•	W	3	o+	56	65	7	800	Nb	9	–	9	•
Cranwell	1008·8	+4	WSW	4	c+	54	85	8	1500	?	?	?	?	•
Gorleston	1009·4	+1	W	3	b+	58	65	7	4000	Cu	3	–	3	1
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1016·0	+3	W	6	c+	56	75	8	2500	Cu	7	–	7	6
Ross-on-Wye	1013·3	+3	W'S	3	bc+	56	55	9	4000	Cu	4	Ci	5	•
Benson	1013·3	+3	WSW	4	b	55	75	9	–	–	0	–	0	•
Andover	1013·7	+3	W	5	b–	54	75	8	2500	StCu	1	–	1	•
S. Farnborough	1013·3	+3	W'S	4	b	55	75	8	–	–	0	–	0	•
London (Kew Obsy.)	1012·7	+3	WSW	3	b–	57	65	8	2500	Cu	2	–	2	•
Croydon	1013·0	+3	W	4	b	63	65	8	2500	Cu	3	–	3	•
Clacton-on-Sea	1011·2	+3	WSW	4	bc	61	55	7	4000	Cu	5	–	5	3
Shoeburyness	1011·9	+5	W	2	b	58	65	7	2500	Cu	2	–	2	•
Grain	1012·2	+4	WSW	5	bc	57	65	8	2500	StCu	4	–	4	3
Lympne	1012·7	+4	W	5	b	57	65	8	2500	StCu	3	–	3	•
Scilly (St. Mary's)	1020·1	+2	WNW	5	b	55	85	8	4000	Cu	1	Ci	2	5
Falmouth (Pendennis)	1019·5	+4	WNW	5	c	55	85	8	2500					
Plymouth (Cattewater)	1018·5	+4	NNW	4	bc–	56	75	8	4000	Cu	5	–	5	3
Portland Bill	1015·7	+3	W	7	b	59	75	7	–	–	0	CiCu	3	4
Southampton (Calshot)	1015·1	+4	NW'W	4	bc	57	75	8	5700	Cu	4	–	4	0
Dungeness	1019·5	+4	WNW	5	c	55	85	8	2500	Cu	8	–	8	1
Jersey 7h / Guernsey 1h	1018·0	0	WNW	4	bc|r	59	65	8	–	–	0	ACu	4	3

London Observations

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 18th								YESTERDAY.		TO-DAY.
Kew } 24 hours ended 0700 Croydon }	omrd	b	b	•	•	39	1	–	7·1	•	•
Greenwich (Royal Obsy.)	b2r,cbc	bc.by	bc.b.bw	•	•	39	1	–	6·6	•	•
City (Bunhill Row)	cpid	bc	bc.bjp	67	45	38	–	–	6·9	55	64
Westminster (St. James' Pk.)	•	•	•	•	•	•	•	•	6·1	•	•
Regent's Pk. (Botanic Gdns.)	•	•	•	67	45	*	–	–	6·5	50	54
Camden Square	•	•	•	•	•	•	•	•	5·9	•	•
Kensington Palace	r	bc	•	67	44	41	–	–	•		63
Hampstead Observatory	bc	bc	•	65	49	38	–	–	•	65 (8h)	40
	•	•	•	63	42	33	tr	–	6·9	•	63

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T.

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..... joules

Average Rate ..... Milliwatts.

Maximum Rate ..... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 17th 19 h. 0 m. to 18th 5 h. 0 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	10 0	9 37	96
δ Ursae Minoris	10 0	9 30	95

Radio Disturbances (Atmospherics) at Croydon.

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	5	–	125
14h.	C	5	–	130
15h.	C	5	–	95
17h.	–	–	–	–

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 18th & 19th Sept., 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.32 / 5.34	11.47 / 11.47	6.2 / 6.0
Greenwich	5.40 / 5.42	11.54 / 11.54	6.8 / 6.6
Wick	5.49 / 5.51	12.6 / 12.6	6.24 / 6.21
Valencia	6.20 / 6.22	12.35 / 12.35	6.59 / 6.49

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.
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.

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.

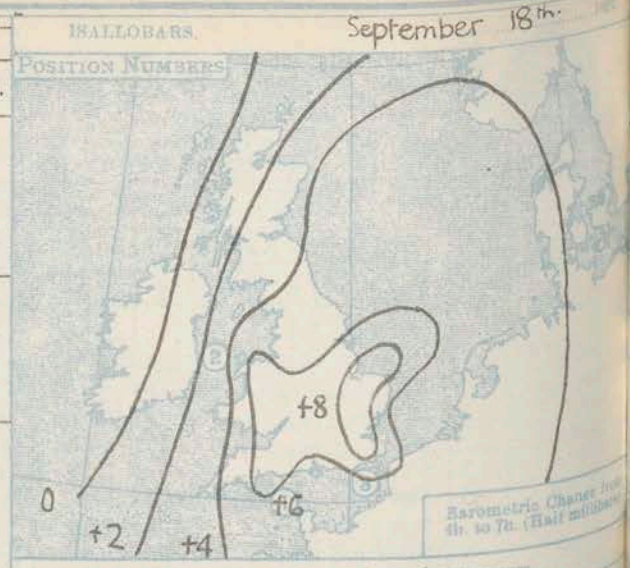
0=no swell
1=mod. swell } Calm or slight sea.
2=heavy swell
3=no swell
4=mod. swell } Moderate sea.
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 17°	13h.-18h. 17°	18h. 17° to 1h. 18°	1h.-7h. 18°	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	rord	rord	north	north	45	37	•	1	0·5	<0800	<21·00	•
Stornoway	oo	c	b. bc	c	49	37	•	3	2	—	·	3·5
Wick	orr	oir.q	bc. cP	cP.c	56	33	•	9	1	<0800	<21·00	•
Castlebay	opbcp	copd	bc.b	b.r.r.c	54	45	•	1	2	—	·	7·2
Nairn	bc	e.cbq	bcx	bc	55	35	•	2	·	12·30	·	1·0
Aberdeen	bcor	bcpr	p.r.b	bc.b	62	37	29	2	trace	12·30	<21·00	5·8
Malin Head	cQpr	cqpr	prq.bc	c	55	40	•	0·3	0·1	12·30	·	4·7
Renfrew	opRc	bopr	b.bc	c.omx	58	30	24	9	0·3	<0800	<21·00	3·6
Edinburgh (Inchkeith)	p	p	b.bc	c	57	40	35	2	·	1430	·	6·0
Leuchars	cPR	p	b.bc		59	32	20	1	·	0900	·	5·2
Eskdalemuir	oLR	PCop	omp.c	cx	54	29	23	8	0·2	<0800	<21·00	4·1
Tynemouth	cpq	bcq	op.q	bcm	61	37	32	Trace	0·1	1330	<21·00	•
Blacksod Point ...												•
Donaghadee	cqid	bcqp	bc	bc	59	38	•	Trace	·	0900	·	•
Birr Castle												
Collinstown	c	oprbc	pr	c	57	34		0·3	·	1530	·	9·6
Holyhead	cop	cbcq	c.oir.c	bc.b	58	49	43	1	0·5	<0800	<21·00	0·0
Liverpool (Bidston) ...	bcq	bcq	p	cpRoq	58	44	39	Trace	1	<0800	24·00	5·0
Chester (Shotwick) ...	ccq	cocq	cpRoq	cpRm.bc	61	43	34	—	2	—	<21·00	•
Spurn Head	c	c	c	c	59	44	•	—	0·5	—	02·30	4·0
Nottingham	c	p	cp	b.bcm	62	42	39	0·2	trace	14·30	<21·00	6·9
Cranwell	cbcc	cbcc	bc.c.o	o.cm	62	41	37	Trace	trace	14·30	<21·00	6·0
Gorleston	orcq	cbc	bcq	bc.oR	66	46	45	0·6	5	<08·00	03·30	6·5
Valencia (Cahirciveen)			b									
Roches Point							•					•
Pembroke (St. Ann's H.)	borbc	c	c	b.bc	57	49	•	—	·	—	·	7·8
Ross-on-Wye	ocbc	bc	b.b	b.bmw	62	44	37	Trace	trace	0900	·	5·1
Benson	bc	bc	b	bw	69	39	30	0·4	·	—	·	•
Andover	ompr	bcpq	bw		62	38	32	0·5	·	<0800	·	7·6
S. Farnborough ...	oinrbc	borbc	bw	b.bc	67	41	34	1	·	<0800	·	7·3
London (Kew Obsy.) ...	omrdq	b	b	b	64	45	39	1	·	<0800	·	7·1
Croydon	oqrcbcy	bcby	bc.b	bwm	65	45	39	1	·	<0800	·	6·6
Clacton-on-Sea ...	op	cbcy	bc	bc	67	47	44	0·6	·	0900	·	6·1
Shoeburyness	opbc	bc	b.bc		67	45	42	1	·	0900	·	5·0
Grain	orr	cbcq	b	b	69	43	38	2	·	<0800	·	6·0
Lympne	otqqrq	cbc	b.bcc.hc	bw	64	43	39	2	·	<0800	·	4·9
Scilly (St. Mary's)	odbc	bcq	bq	cq.c	66	51	•	0·3	·	<0800	·	7·3
Falmouth (Pendennis)	oPnq	cq	bc	c.o	60	49	•	—	·	—	·	8·5
Plymouth (Cattewater)	F	pbc	pm	b	60	44	39	0·2	·	<0800	·	5·9
Portland Bill	borbc	borbc	b.bc	b.bc	62	51		—	·	—	·	•
Southampton (Calshot)	c	cbc	b.bc	b.bc	65	46	44	2	·		·	6·1
Dungeness	rord	c	c	b.bc	63	46	•	1	·	<0800	·	•
Jersey 7h } Guernsey 1h }	ococ	odbc	r.d	bc.o	63	54	•	Trace	·	1530	·	2·3



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
3	18th 0200	"Brighton"	WNW	6	bejp	66	69

GENERAL INFERENCE.

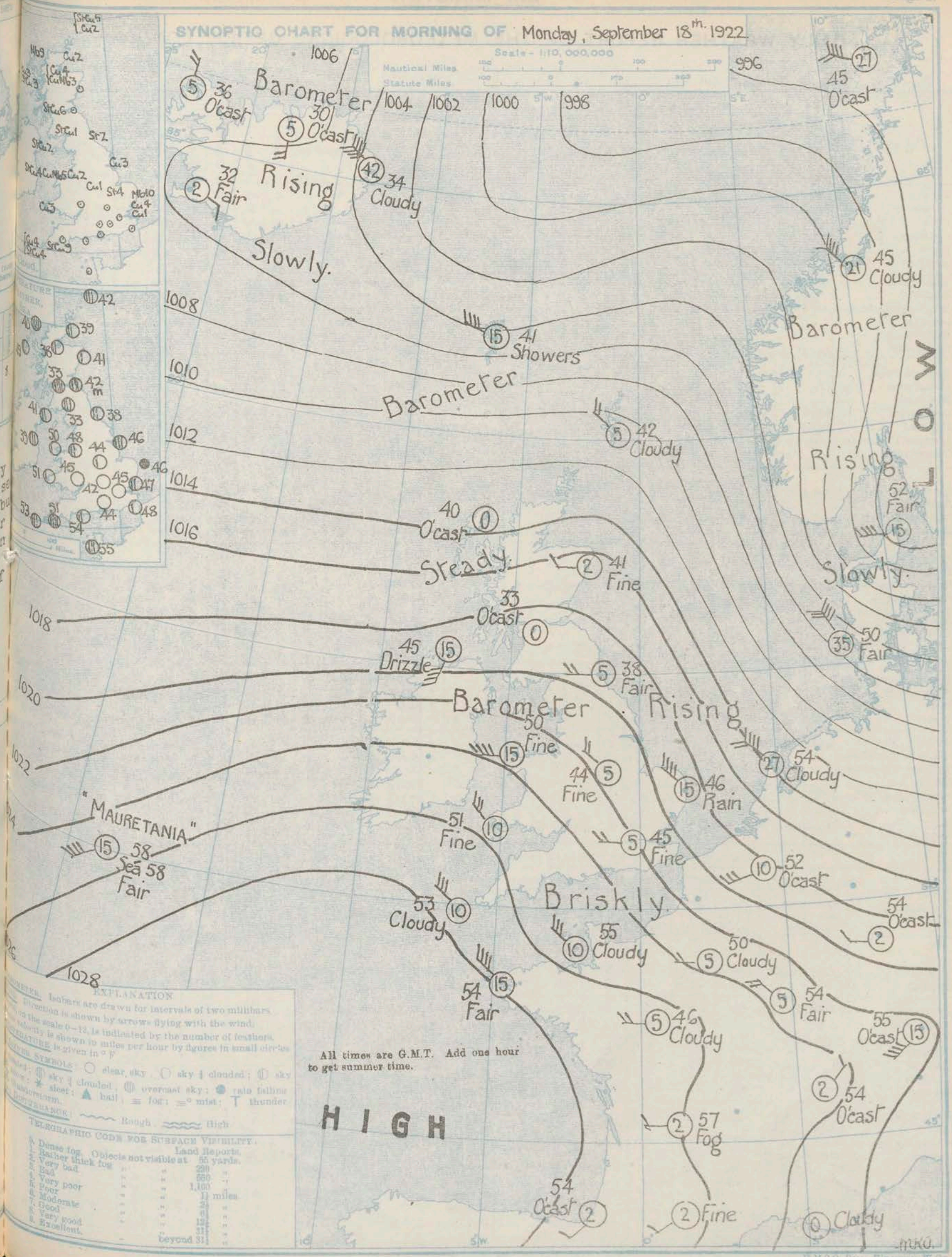
Fine weather is likely generally as a ridge of high pressure passes Eastwards across these Islands but a new depression indicated over the Atlantic will probably begin to affect our Western districts late today bringing a renewal of unsettled conditions.

Monday, 18th September, 1922.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T.	Further Outlook
1. S.E. England 2. E. England 3. E. Midlands	Moderate NW to W winds backing; fine at first, perhaps drizzle later tomorrow; visibility good; slight risk of ground frost tonight; temperature rising tomorrow.	Winds from a westerly point and changeable weather.
4. W. Midlands 5. S.W. England 6. South Wales	Light NW to W winds backing and freshening; fine at first, probably some drizzle and coastal fog later; temperature rising.	
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 or moderate NW to W winds backing and freshening; fair at first, rain or drizzle later; visibility good, deteriorating; temperature rising.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1715 GMT. G. C. SIMPSON, F.R.S., Director.

For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Monday, 18th September 1922. No. 261

Observations at 0100 G.M.T. 18

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1009.1	+4	NW	2	bcPH	38	75	8	4000	St Cu	5	-	5	*
Stornoway	1014.4	+3	NE	1	b	*	*	6	*	*	*	*	*	*
Wick	1011.9	+3	WNW	3	cPR	39	85	8	2500	Cu Nb	4	-	4	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1014.9	+3	W'N	4	b-	44	85	8	5400	Nb	3	-	3	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1015.2	+5	NW	3	b-	43	75	9	-	-	0	-	0	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1014.6	+6	N	2	o/r	44	85	4	4000	Nb	10	-	10	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Collinstown	1022.3	+4	W'N	3	b-	39	94	4	2500	St Cu	2	-	2	*
Holyhead	1019.2	+4	NW	5	bc-	51	65	8	1500	Cu	4	-	4	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1010.0	+1	W	6	c	55	85	4	4000	St	8	-	8	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1015.6	+6	NW'N	4	o+	56	85	8	2500	St	10	-	10	*
Gorleston	1013.0	+1	W'N	4	bc	51	75	4	4000	St Cu	4	-	4	*
Valencia (Cahirciveen)	1023.1	+4	W'N	3	b	52	85	4	*	Cu	3	-	3	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1022.0	+4	NW	5	b	52	65	8	4000	Cu	2	-	2	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	50	*	*	*	*	*	*	*	*
Croydon	1014.9	+3	W	4	b	49	85	8	-	-	0	Ci	1	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1016.8	+2	W	4	b	44	92	4	-	-	0	-	0	*
Scilly (St. Mary's) ...	1024.0	+2	NW	4	b	53	85	8	4000	Cu	1	-	1	*
Falmouth (Pendennis)														*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1019.4	+2	WNW	4	b	56	85	4	-	-	0	Ci Cu	2	*
Southampton (Calshot)	1019.8	+4	W	4	b	50	92	8	-	-	0	-	0	*
Dungeness	1016.3	+1	WSW	5	b	52	92	8	-	-	0	-	0	*
Jersey (7h)	1022.6	+3	W	4	bc/r	54	85	8	5400	Cu Nb	5	-	5	*
Guernsey (1h)														

Observations at 0700 G.M.T. 18

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1011.4	+1	NW	2	c	42	75	4	4000	St Cu	4	-	4	1
Stornoway	1013.4	0	-	0	o+	40	94	4	4000	Nb	9	-	9	2
Wick	1013.4	+2	SW	3	bc-	39	92	8	4000	Cu	2	Ci	6	4
Castlebay	1016.1	0	WNW	4	bc/r	49	75	8	1500	Cu	6	-	6	4
Nairn	1015.6	*	-	0	bc-	38	83	8	5400	St Cu	4	-	4	*
Aberdeen	1016.4	+4	W	1	b	41	75	8	-	-	0	Ci St	2	0
Malin Head	1018.1	0	SSW	4	ocb	45	94	6	800	St	10	-	10	4
Renfrew	1019.3	+2	-	0	o	33	92	5	2500	St Cu	6	Ci St	10	*
Edinburgh (Inchkeith)	1018.1	+3	WSW	3	c	42	85	6	-	-	0	A Cu	6	3
Leuchars	1014.8	+2	WSW	3	c+	36	85	8	5400	St Cu	3	A Cu	8	*
Eskdalemuir	1020.9	+3	SSE	2	c	33	85	8	5400	St Cu	1	Ci	8	*
Tynemouth	1019.3	+4	W	2	bc	38	92	6	2500	St	3	Ci Cu	3	1
Blacksod Point ...														
Donaghadee	1020.3	+3	WSW	1	bc	41	92	8	5400	St Cu	2	A Cu	3	0
Birr Castle														*
Collinstown	1024.1	+2	SW'W	4	c	39	94	4	4000	St Cu	4	A St	4	2
Holyhead	1022.8	+4	W'S	4	b-	50	75	8	1500	Cu	2	A Cu	3	3
Liverpool (Bidston) ...	1022.4	+4	W'N	4	bc/r	48	65	9	2500	Cu	2	Ci St	4	*
Chester (Shotwick) ...	1021.6	+6	W	1	bc/p	43	92	6	2500	Cu Nb	6	-	6	*
Spurn Head	1020.1	+9	NW	6	c	46	92	4	4000	Cu	3	Ci St	8	3
Nottingham	1021.4	+	NW	2	b+	44	85	3	2500	Cu	1	Ci	3	*
Cranwell	1021.6	+6	W'S	3	c-	42	92	6	1500	St	4	Ci St	8	*
Gorleston	1019.0	+5	NW	4	ocr	46	94	6	4000	Nb	10	-	10	1
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1025.6	+3	NW	3	b-	51	65	8	4000	Cu	3	-	3	5
Ross-on-Wye	1024.0	+6	-	0	b	43	85	9	-	-	0	-	0	*
Benson	1023.5	+6	-	0	b	42	94	4	-	-	0	A Cu	1	*
Andover	1023.9	+4	NW	3	b	42	94	8	-	-	0	Ci St	1	*
S. Farnborough ...	1023.6	+6	W	3	b+	44	92	4	-	-	0	A Cu	1	*
London (Kew Obsy.) ...	1023.3	+4	W'S	2	b	45	75	6	-	-	0	Ci	2	*
Croydon	1023.1	+4	WNW	2	b+	46	85	6	-	-	0	Ci		
Clacton-on-Sea ...	1019.8	+6	WNW	4	bc	44	85	4	2500	Cu	4	-	4	0
Shoeburyness	1021.9	+8	N'W	1	b	48	75	4	2500	Cu	1	-	1	*
Grain	1022.1	+8	W	4	b	48	75	4	-	-		A St	1	0
Lympne	1021.3	+5	NW	4	bc+	44	92	4	4000	St Cu	2	Ci St	4	*
Scilly (St. Mary's) ...	1026.6	+2	NW	3	c-	53	75	8	4000	St Cu	8	-	8	5
Falmouth (Pendennis)	1026.1	+5	-	0	o+	51	85	8	4000	St Cu	9	-	9	0
Plymouth (Cattewater)	1026.0	+6	-	0	c-	44	94	5	-	-	0	A St	8	0
Portland Bill	1025.2	+4	NW	5	bc+	54	85	4	-	-	0	A Cu	6	4
Southampton (Calshot)	1024.2	+5	NW	3	bc	44	92	8	-	-	0	A St	4	0
Dungeness	1021.5	+6	WSW	3	b+	48	92	4	-	-	0	Ci	3	4
Jersey (7h)	1025.2	+1	NW	3	c	53	75	8	-	-	0	Ci St	8	3
Guernsey (1h)														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 16-17 °F.	Temperature. Max. Day. 17 °F.	Rainfall.† Night 17h.-9h. 16-17 mm.	Rainfall.† Day 9h.-17h. 17 mm.	Sunshine. Sunrise to 17h. 17 hr.	Sunshine. Sunrise to Sunset. 16 hr.
Banff	c	oir	48	58	–	3	1.5	1.4
Montrose			49	62	–	2	4.7	0.0
Llandudno	pcbc	cpc	49	58	5	1	5.2	2.3
Colwyn Bay ...	cbc	bc	52	68	3		5.0	3.9
Rhyl	pcbc	bc	52	60	2	0.7	6.5	3.2
Southport	cbc	copc	53	57	6	1	4.7	0.8
Blackpool	o	cpo	54	58	3	0.2	5.1	0.0
Harrogate	b	bbcprbc	45	57	2	–	7.8	0.1
Skegness	bc	c	55	63	0.3	0.2	7.5	2.0
Aberystwyth	roc	cbbc	54	58	4	–	6.0	0.0
Bath	ocbc	bccb	57	62	1	–	4.8	0.0
Leamington Spa ...	cbw	bc	49	62	2	–	6.8	0.0
Lowestoft	ocoq	cbcb	55	68	0.5	–	6.8	6.7
Felixstowe	op	bc	56	67	–	0.3	4.5	5.4
Southend	orc	bc	55	67	1	–	5.2	4.1

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 16-17 °F	Temperature. Max. Day. 17 °F	Rainfall.† Night 17h.-9h. 16-17 mm	Rainfall.† Day 9h.-17h. 17 mm	Sunshine. Sunrise to 17h. 17 hr.	Sunshine. Sunrise to Sunset. 16 hr.
Paignton	cpq	bcqpqq	57	64	1	–	8.9	0.0
Ilfracombe	ocbc	bcc	56	59	4	–	7.0	0.0
Bude	pbc	b	56	60	–	–	6.8	0.0
Penzance	bcb	bc	56	61	2	–	8.1	0.0
Falmouth Observatory	obcb	bbcc	56	60	2	–	7.5	0.0
Torquay	bc	b	57	60	1	0.1	8.9	0.3
Weymouth	cbc	bc	57	65	1	–	8.3	
Bournemouth ...	bcb	bb	55	64	2	–	6.0	0.9
Portsmouth (S'thsea)	rbc	b	56	66	2	–	7.0	2.4
Worthing	oc	bcb	56	65	2	–	6.5	3.8
Brighton	robc	bc	56	63	1	1	5.5	3.5
Eastbourne	roc	bcb	57	63	2	1	4.7	4.4
Hastings	odo	ocbbc	56	63	4	1	4.0	4.9
Folkestone	r	bc	53	64	1	2	1.5	6.7
Tunbridge Wells ...	oro	b	54	68	2	1	5.5	3.9
Ramsgate	bcrb	bcb	55	65	–	2	5.8	6.3
Margate	or	b	55	68	–	1	4.7	6.0
Deal	qrdc	bcb	55	66	1	1	5.4	7.2

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22,216 TUESDAY, 19th SEPTEMBER 1922.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Berwick	1011.0	+1	W	4	bc/h	48	65	6	4000	Cu	6	-	6	•
Cromarty	1015.3	+2	NW	3	c-	54	65	6	4000	Cu	7	-	7	•
Tiree	1014.1	+1	WNW	1	bcPR	52	65	9	4000	Cu	5	Ci	6	•
Stornoway	1017.3	0	SW	4	bc	53	65	8	2500	Cu	4	A.St	5	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1016.4	-1	W'S	3	cjp	57	55	8	4000	Cu.Nb	6	A.Cu	7	•
Malin Head	1017.9	+2	SW	4	or	53	97	6	800	St.	10	-	10	•
Renfrew	1019.1	0	WSW	3	or	52	85	7	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	1017.5	-1	WSW	4	OPR	51	85	8	-	Cu.Nb	6	Ci.St	9	•
Leuchars	1017.6	-1	WNW	5	c	54	75	7	4000	St.Cu	8	-	8	•
Maidalemuir	1020.3	-1	SW	5	0	49	85	8	1500	St.Cu	9	-	9	•
Lynemouth	1021.0	0	W	2	c	55	65	6	4000	St.Cu	8	-	8	•
Blacksod Point														•
Donaghadee														•
Dublin Castle	1020.0	0	W	2	c+	55	65	8	-	-	-	-	7	•
Valentia	~~1022.5~~	~~-1~~	~~W~~	~~3~~	~~or~~	~~57~~	~~85~~	~~7~~	~~800~~	~~Nb~~	~~9~~	~~-~~	~~9~~	•
Collinstown	1023.7	-1	WSW	4	o	56	85	7	1500	St.Cu	10	-	10	•
Holyhead	1024.1	0	SW'S	4	o	55	75	8	2500	St.Cu	7	A.St	9	•
Liverpool (Bidston)	1024.0	0	W	4	c+	54	65	8	2500	St.Cu	3	Ci.St	5	•
Chester (Shotwick)	1023.1	0	SW	3	o+	57	55	8	4000	St.Cu	10	-	10	•
Worm Head	1023.0	+3	NW	4	b	54	85	7	4000	Cu	1	-	1	•
Nottingham	1024.0	•	WSW	2	bc+	56	65	7	800	Cu.Nb	6	-	6	•
Cromwell	1024.4	+1	WNW	4	bc	54	65	6	4000	Cu	6	-	6	•
Lerwick	1023.8	+3	NW'N	3	b	55	55	7	4000	Cu	2	-	2	•
Valencia (Cabireiveen)	1025.2	-1	SW	4	o	56	85	8	-	SV	9	-	9	•
Rathlin Point														•
Pembroke (St. Ann's H.)														•
Ross-on-Wye	1027.1	+1	W	3	bc+	56	65	8	4000	St.Cu	4	Ci.	6	•
Lympne	1025.8	+1	WNW	3	bc	59	55	9	4000	Cu	3	Ci	4	•
Dover	1026.1	+1	WNW	3	bc	59	55	9	-	Cu	5	-	5	•
S. Farnborough	1026.5	+1	WNW	3	bc+	57	55	8	4000	Cu	3	Ci.St	6	•
London (Kew Obsy.)	1026.6	+1	WNW	3	bc+	57	55	8	4000	Cu	5	Ci.St	6	•
Croydon	1026.5	+1	W'N	3	bc	57	55	8	5700	Cu	5	-	5	•
	1026.4	+2	NW'N	3	bc+	54	55	8	4000	Cu	6	-	6	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1025.8	+7	WNW	3	b+	57	55	7	2500	Cu	2	-	2	•
Orfordness	1025.8	+4	WNW	4	b	58	45	8	2500	Cu	2	-	2	•
Lympne	1025.9	+2	NW	4	b	56	45	8	4000	Cu	1	A.Cu	2	•
Scilly (St. Mary's)	1029.3	+4	WNW	1	bc	59	75	8	4000	St	2	Ci.Cu	5	•
Falmouth (Pendennis)	1029.5	+4	W'N	2	c	57	85	8	4000	St.Cu	8	-	8	•
Plymouth (Cattewater)	1028.7	+2	SSW	3	cjp	58	75	8	4000	St.Cu	7	-	7	•
Portland Bill	1026.5	+2	NW	2	b	58	85	7	-	-	0	Ci.Cu	3	•
Southampton (Calshot)	1027.7	+2	W	4	c+	58	65	8	4000	St.Cu	4	Ci	7	•
Dungeness	1025.7	+3	N	4	b	58	55	8	-	-	0	-	0	•
Jersey 7h / Guernsey 1h	1028.4	+1	NW	3	b+	60	65	8	-	-	0	A.Cu	1	*

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Berwick	1011.9	0	W	4	cjp	47	75	7	4000	Nb	5	-	5	3
Cromarty	1014.7	0	WSW	3	bc	51	75	7	4000	Cu	4	-	4	2
Tiree	1014.3	+1	W	1	b	50	65	9	4000	Cu	1	Ci	2	0
Stornoway	1015.5	-1	SSW	4	o	52	92	7	1500	St.	10	-	10	4
Aberdeen	1015.6	•	W	1	bc	48	75	9	4000	Cu	5	-	5	•
Aberdeen	1017.0	0	W	1	b	49	75	8	4000	St.Cu	1	-	1	0
Malin Head	1016.4	-2	WSW	5	oD	54	92	6	800	Nb	10	-	10	4
Renfrew	1018.4	-1	WSW	2	od.d.	50	92	6	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	1017.6	0	WSW	3	cd.	50	97	8	-	St.Cu	10	-	10	2
Leuchars	1017.4	0	WSW	3	C+	50	85	7	2500	St.Cu	6	Ci	7	3
Maidalemuir	1019.7	-1	SW'S	4	opr.	48	85	7	1500	Nb	10	-	10	•
Lynemouth	1020.3	0	W	1	o	54	75	6	4000	St.Cu	10	-	10	1
Blacksod Point														•
Donaghadee														•
Dublin Castle	1019.3	-1	W	2	C+	53	85	7	-	A.Cu	10	-	10	1
Valentia	~~1022.5~~	~~•~~	~~W~~	~~3~~	~~or.~~	~~57~~	~~85~~	~~7~~	~~800~~	~~Nb~~	~~9~~	~~-~~	~~9~~	•
Collinstown	1022.3	-1	WSW	5	OPR	56	92	6	1500	St.	10	-	10	•
Holyhead	1022.7	-2	SSW	4	o	55	85	7	4000	St.Cu	10	-	10	2
Liverpool (Bidston)	1023.1	-1	SW	3	o/r	52	75	9	1500	St.	10	-	10	4
Chester (Shotwick)	1022.6	-1	SSW	3	or	54	75	6	2500	St.	10	-	10	•
Worm Head	1023.0	0	SW'S	3	bc	54	92	6	4000	Cu.Nb	6	-	6	3
Nottingham	1024.0	•	SW	2	o+	54	65	6	1500	Nb	9	-	9	•
Cromwell	1024.6	0	SSW	3	o	52	75	7	2500	St.	6	A.St	9	•
Lerwick	1024.8	+1	W'S	1	b+	53	65	6	-	-	0	Ci	2	0
Valencia (Cabireiveen)														•
Rathlin Point														•
Pembroke (St. Ann's H.)	1026.4	-2	W	5	o+	55	75	8	4000	St.Cu	9	-	9	5
Ross-on-Wye	1026.1	0	SW'W	3	b	54	75	8	4000	Cu	2	-	2	•
Lympne	1026.7	0	-	0	b	51	65	8	-	-	0	Ci	3	•
Dover	1026.2	0	WSW	3	b	52	75	8	4000	St.Cu	1	Ci.St	3	•
S. Farnborough	1027.1	0	SW	2	C+	54	65	8	4000	Cu	1	Ci	7	•
London (Kew Obsy.)	1027.0	0	SW	2	c	55	65	6	5700	Cu	4	Ci	7	•
Croydon	1028.6	+1	WSW	2	bc+	51	75	7	4000	Cu	4	Ci.St	6	•
Clacton-on-Sea	1026.0	+1	W	3	b	55	65	6	-	-	0	A.Cu	2	0
Shoeburyness	1026.8	+1	-	0	b	53	65	6	-	-	0	Ci	2	•
Orfordness	1026.6	+1	WSW	3	b	49	75	8	-	-	0	A.St	1	0
Lympne	1026.9	0	W	3	b	51	65	8	4000	Cu	1	A.Cu	3	•
Scilly (St. Mary's)	1029.6	0	W	3	bc	56	85	8	4000	Cu	2	Ci.Cu	6	2
Falmouth (Pendennis)	1029.7	0	W	2	bc-	56	85	8	4000	Cu	5	Ci.Cu	6	0
Plymouth (Cattewater)	1028.9	0	W	3	o+	55	75	8	4000	St.Cu	8	Ci.St	9	0
Portland Bill	1026.5	0	WNW	4	b	58	85	7	-	-	0	A.Cu	3	3
Southampton (Calshot)	1028.3	+1	WSW	3	bc+	54	85	8	4000	St.Cu	4	A.St	6	0
Dungeness	1027.2	+1	NNW	2	b	56	65	8	-	-	0	-	0	3
Jersey 7h / Guernsey 1h	1030.0	0	NW	3	bc	57	75	8	-	-	0	A.Cu	4	3

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. inches. Day.	Rainfall. inches. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 19th								YESTERDAY.	TO-DAY.	
Kew } Croydon } 24 hours ended 0700	bmw	by.c	bc.c.ou	•	•	43	-	-	11.1	•	•
Greenwich (Royal Obsy.)	bcm.y	bcy	bc.o.bo	•	•	39	-	-	10.8	•	•
City (Bunhill Row)	b. bc	bc. b	b.jp.or	61	49	39	-	2	10.8	52	94
Westminster (St. James' Pk.)	•	•	•	•	•	•	•	•	9.9	•	•
Regent's Pk. (Botanic Gdns).	•	•	•	61	51	*	2		11.0	52	83
Camden Square	•	•	•	•	•	•	•	•	9.9	•	•
Kensington Palace	b	o	•	62	50	44	-	3			93
Hampstead Observatory	b	b	•	60	49	49	-	2	•	60 (18h)	95.
	•	•	•	60	49	39	-	2	11.0	•	95

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T.

South Kensington

Max.	Time.	Min.	Time.
0.3	18h. 17m.	<0.3	1-4h. 18m.
0.6	7h. 18m.		

Kew Observatory

Max.	Time.	Min.	Time.
0.6	7h. 18m.	<0.3	1-3h. 18m.

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..... joules

Average Rate ..... Milliwatts.

Maximum Rate ..... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 18th 19h. 0m. to 19th 5h. 0m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	10 0	5 20	53
δ Ursae Minoris	10 0	2 34	26

RADIO DISTURBANCES (Atmospherics) AT CROYDON.*

Time.	Type.	No. per 4 sec.	Stren.	Direc.
18h.	-	-	-	-
19h.	-	-	-	-
20h.	-	-	-	-
21h.	-	-	-	-

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

19th & 20th September, 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.34 / 5.36	11.44 / 11.46	6.0 / 5.57
Greenwich	5.42 / 5.44	11.54 / 11.53	6.6 / 6.3
Wick	5.51 / 5.53	12.6 / 12.3	6.21 / 6.18
Valencia	6.22 / 6.24	12.35 / 12.34	6.48 / 6.46

BEAUFORT NOTATION OF WEATHER.

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

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

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

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

R = heavy rain.
rr = continuous moderate rain.
r.o.r.o = continuous light rain.

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.

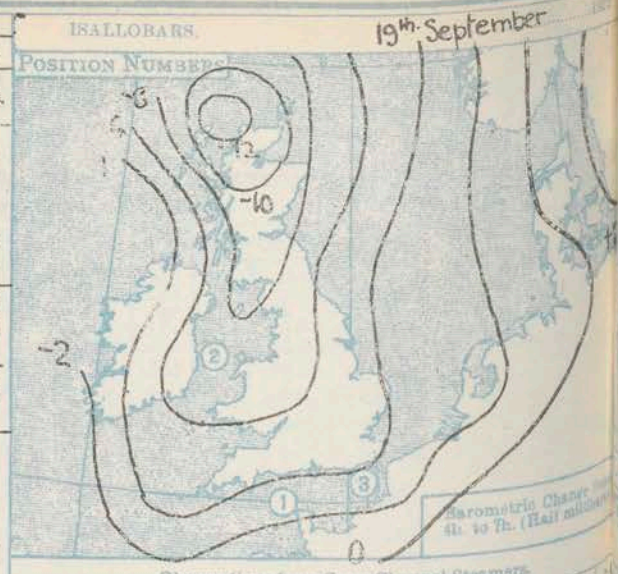
‡ The barometric change is expressed in half millibars.

§ For code see page 5.

M.O. Form 2370.

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. Hours.
Lerwick	rh	hr	p	p	50	45	•	2	1	L0800	<21·00	•
Stornoway	cp	bc	c	r.d	55	46	•	-	5	-	·	9·9
Wick	cp	b.bc	b. bc	r.r.q	53	39	•	0·2	1	1100	04·30	
Castlebay	cbc	bcpo	op.o	orr.dm	53	52	•	0·1	3	-	-	5·6
Nairn	bcbc		bc.c	c.irq	55	54	•	-	2	-	·	9·6
Aberdeen	bccjp	bcjpb	bm	c.or.rm	58	40	30	-	4	-	04·30	4·6
Malin Head	imd	oimg	oimd	oD.dm	54	49	•	1	2	-	22·00	1·8
Renfrew	omprco	or	om	or.r	54	50	48	0·3	2	0900	<21·00	1·5
Edinburgh (Inchkeith)	pcy	p	c	r.d	52	49	44	3	1	1630	04·30	3·1
Leuchars	c	b.bc	odd		56	45	34	-	2	-	·	2·4
Eskdalemuir	cor	op.	op.or	od.rm	50	46	45	0·2	6	1230	<21·00	2·5
Tynemouth	bcm	om	c.om	ir.m	56	48	44	-	0·6	-	03·30	•
Blacksod Point ...							•					•
Donaghadee	bc	bcir	o	omd	58	50	•	Trace	2	1430	[illegible]	•
Birr Castle		coir	RR	RR	58	52	50	2	29			
Collinstown	opr	opr	orr.q	orrmq	57	50	•	0·1	10	1230	<21·00	2·0
Holyhead	co	ocpo	or.r	or. R	54	52	49	0·2	19	1530	<21·00	6·1
Liverpool (Bidston) ...	bcb	p	p		56	48	40	0·2	1	1530	04·30	5·2
Chester (Shotwick) ...	bcpR	r.ord	omq	omrrq	59	52	49	0·5	2	L0800	03·30	•
Spurn Head	b.bc	b.bc	oo	oo	55	50	•	-	0·3	-	22·00	6·8
Nottingham	b.bc	c	o	or	58	51	46	-	0·5	-	02·30	8·4
Cranwell	dcm	bcc	c.o	or.o	57	50	44	-	0·3	-	04·30	9·3
Gorleston	orrbc	b	b.bc.c	bc.c.o	58	44	43	1	-	L0800	-	8·6
Valencia (Cahirciveen)	c		o									
Roches Point							•					•
Pembroke (St. Ann's H.)	b.bc	c	oqrro	oqrrq	56	55	•	-	12	-	22·00	2·9
Ross-on-Wye	b.bcbv	b.bcb	c.o	c.oR	62	52	49	-	2	-	06·30	8·9
Benson...	b.bcy	b	bc.c.o	o.or	60	44	42	-	0·2	-	05·30	•
Andover	bbc	bcyb	orr		60	48	38	-	2	-	06·30	10·8
S. Farnborough ...	b.bc	bcybcc	c.o	or	62	45	35	-	Trace	-	·	11·1
London (Kew Obsy.) ...	bmw	bybcyc	bc.c.o	oo.u.	59	48	43	-	-	-	-	11·1
Croydon	bcmzy	bcy	bc.c.b	b.o	59	48	39	-	-	-	-	10·8
Clacton-on-Sea ...	bcbzy		bc	bc.ogp	58	50	44	-	Trace	-	06·30	11·0
Shoeburyness	b.bc	b.bc	bc.c		59	48	35	-	-	-	-	11·1
Grain	b.bc	b	b	b.bc.c.o	58	48	36	-	.	-	.	10·6
Lympne	b.bc	b.bc	b.bc	c.o	57	46	34	-	.	-	.	11·2
Scilly (St. Mary's) ...	c.bc	bc	op.	cq	60	53	•	-	Trace	-	06·30	6·4
Falmouth (Pendennis)	obcc	cbc		o.cq	59	51	•	0·1	-	0900	-	5·0
Plymouth (Cattewater)	c	bbc		bc.c	59	54	49	-	-	-	-	6·0
Portland Bill	c	c	p	oo	61	52	•		0·2		03·30	•
Southampton (Calshot)	c	c	b.bc	id.rro	60	52	50	-	1	-	05·30	9·4
Dungeness	bbc	bbc	iR	p	60	51	•	-	1	-	22·00	•
Jersey 7h } ..	ocb	b.bc	b	bc.b	61	52	•	-	-	-	·	4·4
Guernsey 1h }												



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	18th 1010	"Samoria"	SW	4	bcr	57	55
1	" 1200	"Reindeer"	NW'N	4	bcjp	60	59
3	19th 0200	"Arundel"	W	5	ojp	54	59

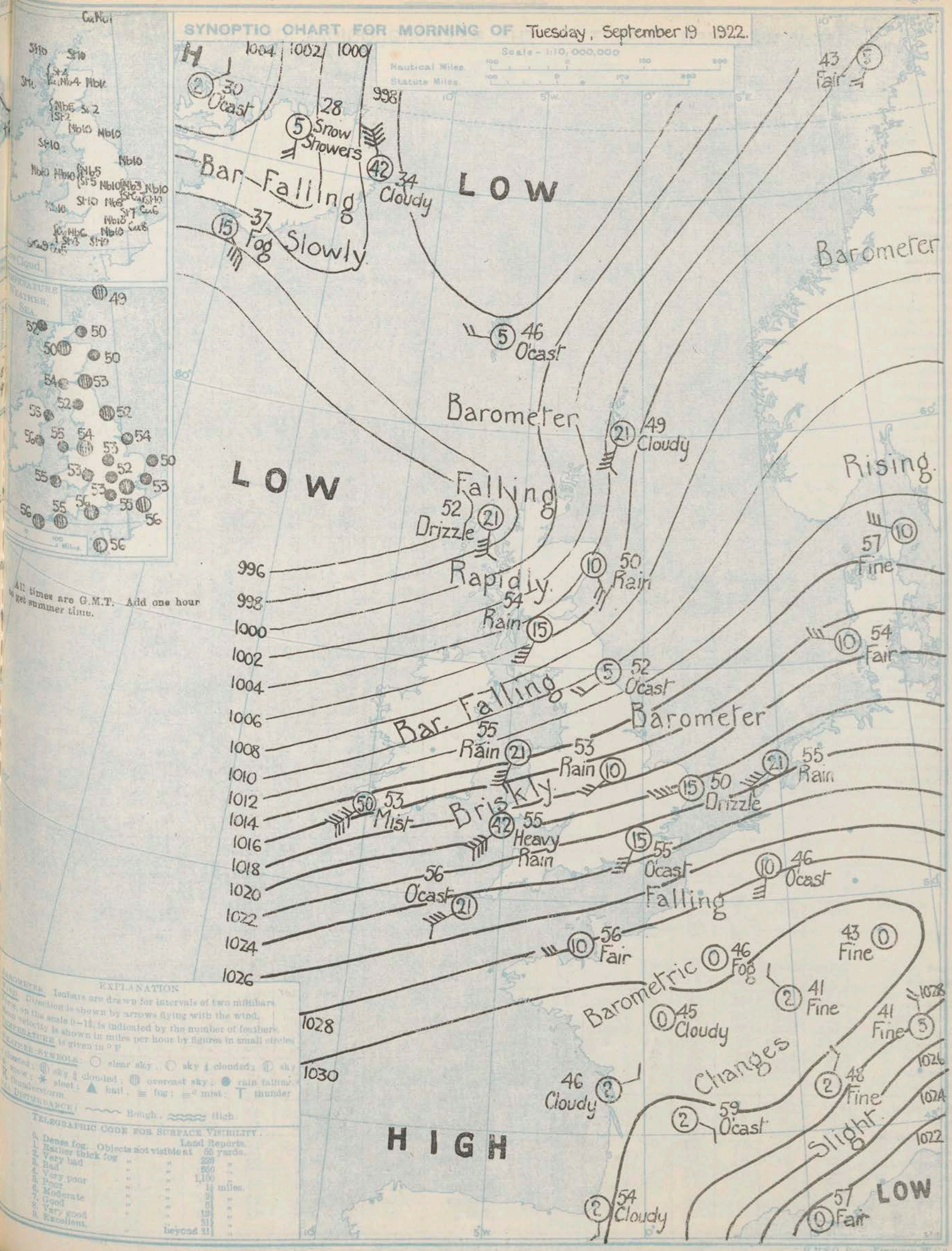
GENERAL INFERENCE.

The depression approaching our Northwest Coasts from the Atlantic is developing rapidly and southwesterly winds, strong to gale force, are likely in all districts with much cloud and some rain, followed by westerly winds with fairer intervals but coastal mist or fog in places in the West.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 19th September 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind southwesterly strong to a gale, veering west later; dull, some rain, fairer intervals later; visibility mainly moderate; moderate temperature.	Westerly winds and changeable weather.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind southwesterly strong to a gale, veering west later; dull, some rain, fairer intervals later; some coastal mist or fog; moderate temperature.	
9. N. Midlands 10. N.E. England	As 1 to 4.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind southwesterly, strong to a gale at times, veering west or northwest later; much cloud, rain at times, fairer intervals later; mist in places; moderate temperature then colder.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind westerly strong to a gale; much cloud, rain at times, fairer intervals later; coastal mist or fog in places; moderate temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 GMT. AHS. SIMPSON, F.R.S., Director.

For Code see opposite page.



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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Tuesday, 19th September 1922. No. 262.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0–10	Cloud. Upper Form.	Cloud. Total Amt. 0–10	Sea. 0–9
Lerwick	1011·3	-1	WSW	2	bpr	44	85	4	2500	Nb	3	-	3	•
Stornoway	1010·0	-5	SW	3	0+	•	•	5	•	•	•	•	•	•
Wick	1010·5	-5	SW	2	bc+	48	85	9	-	-	0	Ci	6	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1010·1	-10	S	6	od	51	94	6	1500	St	9	-	9	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1013·8	-3	SW	4	c-	51	92	8	1500	St	10	-	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1018·2	-2	W	1	0	49	92	6	-	-	0	A St	10	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1019·1	-8	SW	6	or	53	94	6	1500	Nb	10	-	10	•
Holyhead	1020·2	+2	SW	4	or	54	94	6	1500	St	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1020·9	-2	SW	4	opr	52	85	4	-	-	0	A St	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1022·8	-3	SW'S	4	0	51	85	7	2500	St	10	-	10	•
Gorleston	1024·3	0	SW'W	3	bc-	50	75	4	5/00	St Cu	5	-	5	•
Valencia (Cahirciveen)	1017·6	-5	SW	8	0	55	94	5	•	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1024·5	-3	SW	6	o/r	55	85	8	2500	Nb	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	51	•	•	•	•	•	•	•	•
Croydon	1026·7	-1	SW'W	3	b	51	95	8	-	-	0	A St	2	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness... ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1026·9	-1	SW	3	c+	50	92	7	4,000	St Cu	6	A Cu	8	•
Scilly (St. Mary's) ...	1024·7	-2	SW'W	3	0	55	85	9	4,000	St Cu	10	-	10	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1024·4	0	W	5	opr	56	85	7	4·50	St	10	-	10	•
Southampton (Calshot)	1024·7	-2	WSW	3	o	54	85	8	2500	St Cu	10	-	10	•
Dungeness	1024·0	-1	WSW	4	oR	55	94	8	1500	St	10	-	10	•
Jersey 7h }	1029·1	+1	W	1	0	54	75	7	-	-	0	A St	10	•
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0–10	Cloud. Upper Form.	Cloud. Total Amt. 0–10	Sea. 0–9
Lerwick	1005·9	-6	SSW	5	0+	49	95	7	-	-	0	A St	9	4
Stornoway	996·4	-13	S	5	ODD	52	97	3	450	St	10	-	10	3
Wick	1001·7	-11	SSW	5	or	50	97	7	800	St	10	-	10	4
Castlebay	999·0	-4	W	5	o/r	55	97	6	800	St	10	-	10	•
Nairn	999·9	•	-	0	c/r	50	92	8	1500	St	8	-	8	0
Aberdeen	1005·0	-8	SSE	3	orr	50	97	5	1500	Nb	10	-	10	•
Malin Head	1002·9	-6	SW'W	6	oDD	57	97	5	4150	St	10	-	10	4
Renfrew	1004·3	-1	SSW	4	or	54	92	6	800	Nb	10	-	10	•
Edinburgh (Inchkeith)	1004·6	-9	SW	4	o+	55	92	8	•	St	2	A St	10	3
Leuchars	1005·4	-9	SSE	2	o/r	51	97	6	800	St	10	-	10	•
Eskdalemuir	1007·6	-9	SW	5	orr	52	97	4	225	Nb	10	-	10	1
Tynemouth	1010·3	-5	SW	2	o/r	52	97	6	4000	Nb	10	-	10	
Blacksod Point ...														
Donaghadee	1008·0	-5	SW	2	od	55	92	9	2500	St	10	-	10	1
Birr Castle	1011·7	•	SW	3	ORR	59	97	6	800	Nb	10	-	10	•
Collinstown	1011·0	-8	SW	4	orr	56	92	5	450	Nb	10	-	10	4
Holyhead	1012·1	-7	SSW	5	oRR	55	97	6	225	Nb	10	-	10	5
Liverpool (Bidston) ...	1012·6	-6	SW	5	o/r	57	92	7	800	Nb	10	-	10	•
Chester (Shotwick) ...	1012·6	-8	SW	5	orr	56	85	5	800	Nb	7	A St	10	
Spurn Head	1015·4	-5	SW	4	opr	54	95	6	4000	Nb	10	-	10	5
Nottingham	1017·3	•	SW	3	or	58	97	6	1500	Nb	10	-	10	•
Cranwell	1018·1	-5	S'W	4	o/r	53	97	7	1500	St Cu	10	-	10	2
Gorleston	1020·8	-2	WSW	4	od	50	95	6	4000	Nb	10	-	10	
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1018·3	-6	SW	8	oRR	53	92	6	800	Nb	10	-	10	7
Ross-on-Wye	1018·5	-6	SW'W	7	orr	53	92	6	800	St	10	-	10	•
Benson...	1021·5	-4	SSW	5	or	52	92	6	1500	Nb	5	A St	10	•
Andover	1023·1	-4	SW	4	orr	51	97	7	1500	Nb	10	-	10	•
S. Farnborough ...	1023·1	-4	SW	3	or	53	85	6	1500	St	8	A St	10	•
London (Kew Obsy.)...	1022·8	-4	SSW	4	o	55	95	7	2500	St	7	A St	10	•
Croydon	1023·4	-4	SW'S	3	0	52	85	7	4000	St Cu	8	A St		
Clacton-on-Sea ...	1022·9	-3	SSW	4	opr	53	85	7	4000	St	10	-	10	3
Shoeburyness... ...	1023·3	-6	SW	2	0	53	85	7	5/00	St	10	-	10	•
Grain	1023·1	-5	SW	4	0	54	85	7	-	-	0	A St	10	0
Lympne	1024·1	-3	SW	3	0	51	92	7	4000	St Cu	7	A St	10	•
Scilly (St. Mary's) ...	1025·1	-4	SW'W	5	0	56	85	8	2500	St Cu	9	-	9	5
Falmouth (Pendennis)	1024·2	-5	WSW	6	Ci	55	86	8	4000	Cu	5	Ci St	8	0
Plymouth (Cattewater)	1023·1	-4	SSW	5	ojp	56	85	8	4000	Cu Nb	10	-	10	3
Portland Bill	1020·4	-4	WSW	7	o/r	56	85	7	4·50	St	10	-	10	6
Southampton (Calshot)	1024·5	-3	WSW	5	o/r	55	85	7	1500	Nb	10	-	10	0
Dungeness	1024·5	-3	WSW	4	c	56	92	8	1500	Cu	8	-	8	4
Jersey 7h }	1028·2	-1	WSW	3	bc-	56	95	8	4000	St Cu	3	Ci Cu	5	3
Guernsey 1h }														

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

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 14h.–18h. °F.	Temperature. Max. Day. 18h. °F.	Rainfall.† Night 17h.–9h. 14h.–18h. mm.	Rainfall.† Day 9h.–17h. 18h. mm.	Sunshine. Sunrise to 17h. 18h. hr.	Sunshine. Sunrise to Sunset. 14h. hr.
Banff	cbc	bcmmpb	35	55	0·1	0·2	6·3	1·5
Montrose	-	-	35	57	-	-	7·1	4·7
Llandudno	bbc	cop	43	58	2	0·1	7·0	5·0
Colwyn Bay ...	bc	bcc	45	58	4	-	6·6	6·2
Rhyl...	bcc	bccp	48	60	1	0·1	5·1	7·0
Southport	c.bc	b.bcor	43	57	0·2	1	5·6	5·6
Blackpool	c	bco	44	57	2	-	7·1	5·1
Harrogate	b	b.bcc	37	56	3	-	7·2	7·7
Skegness	cb	b	43	58	2	-	8·5	7·5
Aberystwyth ...	roc	cbbco	50	58	1	-	8·0	6·5
Bath	b	b	43	59	-	-	8·8	4·9
Leamington Spa ...	b3	bc	41	61	-	-	10·4	6·8
Lowestoft	ocb	b	45	57	4	-	8·2	7·7
Felixstowe	bc	b	47	58	-	-	10·3	4·9
Southend	bcb	b	45	62	-	-	10·5	5·3
Paignton	mwbc	bc	43	63	-	-	7·7	9·3
Ilfracombe	ocbc	bcco	52	59	-	0·1	5·6	7·1
Bude	cbcbc	bccor	52	61	-	-	7·5	7·4
Penzance	bc	bc	49	61	-	-	6·0	8·8
Falmouth Observatory	bc	bc	46	61	0·2	-	5·7	8·2
Torquay	b	b	46	62	-	-	8·3	9·6
Weymouth	bc	bc	46	64	-	-	7·8	9·1
Bournemouth ...	b	b	45	61	-	-	9·0	7·0
Portsmouth (S'thsea)	b	b	46	60	-	-	9·8	7·4
Worthing	b.bc	bcb	45	60	-	-	10·5	6·5
Brighton	b.bc	bc	47	60	-	-	9·5	5·7
Eastbourne	b	b	47	60	-	-	10·3	4·7
Hastings	b	bbcb	45	59	-	-	10·9	4·5
Folkestone	b	b	53	58	-	-	10·4	1·5
Tunbridge Wells ...	b	b	44	60	-	-	10·8	6·3
Ramsgate	b	b	43	63	-	-	10·7	5·8
Margate	bcb	b	49	58	-	-	9·6	4·9
Deal	bcb	b	47	59	-	-	10·7	5·9

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 22214 *Wednesday, 20th September* 1922.

Observations at 1300 G.M.T. 19th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
…rwick	995.9	-11	S	5	or₀+	50	97	4	4000	Nb	10	-	10	•
…rnoway	993.6	-2	WSW	5	o/r	56	92	5	450	St	10	-	10	•
…k	993.6	-6	SSW	4	o/r	55	92	9	800	St	7	CiSt	10	•
…lebay	998.4	0	WSW	5	odd₀	55	97	6	450	Nb	10	•	10	•
…rn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
…rdeen	996.9	-8	SW	3	o	58	85	6	4000	StCu	1	ASt	10	•
…n Head														•
…frew	1003.2	+1	W	5	ojp	61	85	6	450	Nb	10	•	10	•
…burgh (Incakeith)	1000.3	-6	WSW	5	o/r	59	92	8	•	St	10	•	10	•
…chars	999.0	-6	WSW	6	c	64	85	7	450	St	7	Ci	8	•
…dalemuir	1004.4	-2	SW	4	odd₀	58	97	5	450	Nb	10	•	10	•
…mouth	1004.4	-1	W	3	ojp	64	85	6	4000	Nb	9	•	9	•
…sod Point														•
…ghadee	1006.6	+1	SW	2	o-	63	92	7	1500	StCu	9	-	9	•
… Castle	1012.1	•	SW	2	oR	62	92	6	800	Nb	10	-	10	•
…nstown	1011.0	0	SW	7	or₀r₀	62	97	5	450	Nb	10	•	10	•
…head	1011.3	0	SSW	4	or₀+	59	97	6	450	Nb	10	-	10	•
…pool (Bidston)	1009.6	+1	WSW	5	o/r	62	85	7	800	Nb	10	•	10	•
…er (Shotwick)	1009.6	-2	SW	6	opr₀	62	85	7	800	St	10	•	10	•
… Head	1009.8	-6	SW	6	o	57	85	6	250	St	2	ASt	10	•
…ngham	1011.2	•	WSW	4	orr	58	97	5	1500	Nb	10	-	10	•
…well	1012.1	-5	SSW	5	odd₀	57	92	6	800	St	10	•	10	•
…ston	1015.7	-3	SWW	5	oRR₀	53	92	5	4000	Nb	10	•	10	•
…cia (Cahirciveen)	1015.7	0	S	7	or	59	97	5	-	St	10	-	10	•
… Point														•
…roke (St. Ann's H.)	1017.4	+1	SW	8	opr₀	58	92	6	800	St	10	•	10	•
…on-Wye	1016.0	-3	WSW	6	ojp	58	92	6	800	St	10	•	10	•
…on	1017.3	-5	SW	5	o/r	56	92	7	•	St	10	•	10	•
…ver	1019.1	-5	WSW	5	or₀	55	97	7	800	Nb	10	•	10	•
…rnborough	1019.0	-4	SW	5	orr	55	92	7	1500	Nb	10	•	10	•
…n (Kew Obsy.)	1018.1	-7	SW	5	orr	55	92	5	800	Nb	10	•	10	•
…ydon	1018.5	-7	SWW	5	orr	54	92	6	850	Nb	10	•	10	•
…on-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
…buryness	1017.3	-4	SW	5	orr	58	97	7	2500	StCu	8	ASt	10	•
…n	1017.7	-6	SW	6	orr	55	92	6	800	Nb	10	•	10	•
…pne	1020.7	-5	SWW	6	orr	54	97	6	450	Nb	9	A·St	10	•
…y (St. Mary's)	1024.3	-1	WSW	5	o	57	92	6	1500	St	10	•	10	•
…outh (Pendennis)	1022.9	-3	WSW	8	opr₀	56	85	6	4000	Cu	10	-	10	•
…outh (Cattewater)	1023.4	-2	SW	6	ojp	57	92	7	1500	St	10	-	10	•
…land Bill	1020.3	-4	WSW	8	o	58	85	6	450	St	10	-	10	•
…ampton (Calshot)	1021.0	-4	WSW	6	o/r	57	85	6	1500	St	10	•	10	•
…geness	1020.0	-4	SW	8	oRR	56	97	6	1500	Nb	10	•	10	•
…y 7h / …sey 1h	1026.6	-1	SW	3	c+	59	85	8	4000	StCu	8	•	8	•

Observations at 1800 G.M.T. 19th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
…rwick	966.6	-10	WSW	7	orr	52	97	6	2500	Nb	10	•	10	6
…rnoway	990.5	-2	WSW	5	mo	55	92	4	450	St	10	•	10	4
…k	990.4	-3	W	5	c-	57	85	9	2500	CuNb	5	Ci	8	6
…lebay	997.2	-1	W	6	ojp	55	92	6	800	Nb	10	•	10	7
…rn	992.0	•	W	7	c+	49	75	8	4000	Cu	4	ACu	7	•
…rdeen	994.2	-3	SWW	3	o	63	65	7	1500	St	2	ASt	9	0
…n Head	1001.8	-2	SW	7	oD	58	97	5	800	St	10	-	10	5
…frew	1002.7	0	WSW	5	od₀	58	85	6	1500	St	10	-	10	•
…burgh (Incakeith)	996.9	-4	WSW	6	o	57	97	7	-	St	7	Ci	10	4
…chars	997.8	-2	WSW	7	o	59	85	8	450	St	10	•	10	•
…dalemuir	1008.5	0	SW	6	o	59	97	6	1500	St	9	Ci	10	1
…mouth	1003.1	-1	W	3	cjp	64	85	6	4000	Nb	8	•	8	1
…sod Point														
…ghadee	1006.6	0	WNW	2	c-	63	85	7	2500	CuNb	6	ACu	8	2
… Castle	1012.1	•	W	4	oR	61	97	6	800	Nb	10	-	10	•
…nstown	1010.9	0	W'S	6	odd₀	61	97	6	450	Nb	10	•	10	•
…head	1011.3	0	SSW	4	o	59	97	7	450	St	10	-	10	2
…pool (Bidston)	1008.7	-1	WSW	5	o/r	62	85	8	1500	Nb	10	-	10	5
…er (Shotwick)	1009.1	0	W	4	o	63	85	8	1500	StCu	10	-	10	•
… Head	1007.8	-2	SW	7	o	61	92	7	•	•	0	ASt	10	6
…ngham	?	•	?	4	o/r	62	85	6	1500	Nb	10	-	10	•
…well	1016.0	-5	SW	5	o/r	61	92	6	800	St	10	-	10	•
…ston	1012.8	-2	W'S	4	or₀	59	92	6	4000	Nb	10	-	10	2
…cia (Cahirciveen)														
… Point														
…roke (St. Ann's H.)	1017.2	0	SWW	8	opr₀	58	92	6	800	St	10	•	10	7
…on-Wye	1006.7	-2	SWW	6	c-	61	85	8	1500	St	5	CiCu	8	•
…on	1016.2	-1	WSW	4	o	60	85	7	1500	St	10	•	10	•
…ver	1017.8	-2	WSW	5	o/r	59	92	7	800	Nb	10	-	10	•
…rnborough	1017.4	-2	WSW	5	od₀	58	92	7	1500	Nb	10	•	10	•
…n (Kew Obsy.)	1016.3	-1	SW	4	o/r	59	92	6	800	Nb	10	•	10	•
…ydon	1017.0	-1	SWW	5	o/r	59	92	7	800	Nb	10	•	10	•
…on-on-Sea	1014.4	-1	WSW	5	o/r	58	92	6	2500	St	10	-	10	3
…buryness	1015.5	-1	SW	6	o/r	60	85	7	2500	StCu	9	ASt	10	•
…n	1015.5	-2	SW	7	or₀	59	85	7	800	Nb	10	•	10	6
…pne	1018.1	0	WSW	6	o/r	56	97	6	225	St	10	•	10	•
…y (St. Mary's)	1022.4	-2	W'S	4	o	57	92	6	-	StCu	10	-	10	6
…outh (Pendennis)	1022.1	-1	W	7	lmo	58	97	6	1500	St	10	•	10	2
…outh (Cattewater)	1021.5	-2	WSW	6	or₀r₀	58	97	6	800	Nb	10	•	10	4
…land Bill	1019.9	-2	WSW	8	o	58	85	6	450	St	10	•	10	6
…ampton (Calshot)	1018.9	-2	W'S	6	o	58	85	6	850	St	10	•	10	6
…geness	1016.8	-2	WSW	8	o	58	97	6	800	St	10	•	10	8
…y 7h / …sey 1h	1024.6	-1	WSW	5	o	59	85	8	2500	StCu	10	•	10	4

London Observations. 24 Hours ended 0900 G.M.T. 20th (Humidity: Yesterday / 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. %
…w	ou.orp	orm.om	om.o.c	•	•	58	10	Tr	0.0	•	•
…ydon } 24 hours ended 0700	orr.mr	or.r.m	oq.d	•	•	54	11	Tr	0.0	•	•
…wich (Royal Obsy.)	or	or.ir	oid	65	55	54	10	-	0.0	91	73
… (Bunhill Row)	•	•	•	•	•	•	•	•	0.0	•	•
…minster (St. James' Pk.)	•	•	•	65	54	•	10	-	0.0	90	71
…'s Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0.0	•	•
…den Square	rr	op	•	64	53	52	Y	2	•	•	80
…ington Palace	oor	ro.o	•	64	58	56	10	•	•	92(18h)	73
…stead Observatory	•	•	•	62	51	48	10	Tr.	0.0	•	74

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1800 G.M.T. 19th

South Kensington Max.	Time.	Min.	Time.
0.6 / 1.0	18h. 18th / 9h. 19th	<0.3	1-6h. 19th

Kew Observatory Max.	Time.	Min.	Time.
0.7 / 0.6	21h. 18th / 7h. 19th	<0.3	1-3h. 19th

Solar Radiation. Vertical component per square centimetre. During yesterday. South Kensington.

Total .... joules
Average Rate .... Milliwatts.
Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy. Exposure from 19th 19 h. 0 m. to 20th 5 h. 0 m.

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

Radio Disturbances (Atmospherics) at Croydon.[1]

Time	Type	No. per 1 sec.	Stren.	Direc. °
	-	-	-	-
	C	6	-	15
	-	-	-	-
	-	-	-	-

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 20th & 21st September, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.36 / 5.39	11.46 / 11.46	5.51 / 5.54
Greenwich	5.44 / 5.46	11.55 / 11.55	6.3 / 6.1
Wick	5.53 / 5.55	12.5 / 12.5	6.18 / 6.15
Valencia	6.24 / 6.24	12.34 / 12.34	6.45 / 6.42

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; 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:—
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.

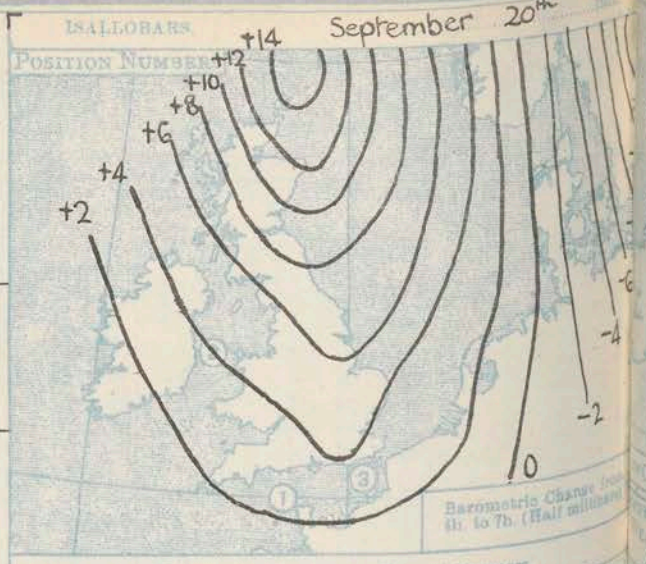
Sea Disturbance.
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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. 19th	13h.–18h. 19th	18h. 19th to 1h. 20th	1h.–7h. 20th	TEMPERATURE. MAX. Day. 7h.–18h.	MIN. Night. 18h.–7h.	MIN. on GRASS	RAINFALL.† Day. 7h.–18h. mm.	Night. 18h.–7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	r-d	r-d	r.d	r.d	53	38	•	4	4	L0800	L21·00	•
Stornoway	r-d	oo	p	c	58	46	•	0·1	4	-	-	0·0
Wick	ir.ov	oo	o.bcpq	P.bcq	65	43	•	1	2	L0800	22·00	•
Castlebay	omd.	d.do	op.c	c	55	50	•	0·1	Trace	-	-	0·0
Nairn	cbcq	bcqc	q.iRc	cq	64	49	•	-	2	-	22·00	3·2
Aberdeen	r.om	omdc	c.bcq	bcq	66	49	45	1	-	L0800	-	0·6
Malin Head		o.imd	Q.id.	p.q	60	52	•	0·5	Trace	-	-	0·0
Renfrew	oddmq	oidoq	oqmr	c.bc	63	50	46	2	2	L0800	L21·00	0·5
Edinburgh (Inchkeith)	r-d	id.	b.bc	b.bc	60	51	48	0·6	-	1430	-	0·1
Leuchars	r-d	c	p	o.c	64	49	43	0·2	0·4	L0800	-	3·3
Eskdalemuir	orod.	oidmo	oid.	o.c	64	47	45	5	2	L0800	L21·00	0·0
Tynemouth	mp.	mpoq	p.bq	b.bcq	65	53	48	0·3	Trace	0800	L21·00	•
Blacksod Point ...												•
Donaghadee	oqid.	c	cir.q	bcmir	65	51	•	0·2	0·4	11·00	L21·00	•
Birr Castle	•iR	iRo	oirco	co	62	51	47	8	0·4			
Collinstown	or.mq	or.mq	obcr.c	b.bc	62	51	•	2	0·2	L0800	L21·00	0·0
Holyhead	oRRor	or.o	or.r.o	o.c.bc.b	60	55	51	7	0·4	L0800	L21·00	0·0
Liverpool (Bidston) ...	rqo	r-d	o.cq		64	54	48	9	-	L0800	-	0·0
Chester (Shotwick) ...	orrpr rq	oqo	oprq	cm	65	56	51	7	0·3	L0800	L21·00	•
Spurn Head	oo	oo	oo	c	61	56		0·4	-	L0800	-	0·0
Nottingham	rr	r.	op	oo	63	54	53	4	Trace	L0800	L21·00	0·0
Cranwell	ormd	ad.z	bo	c	61	56	53	3	-	L0800	-	0·0
Gorleston	orrq	orq	oq	oq.bcq	59	59	58	8	-	L0800	-	0·0
Valencia (Cahirciveen)	r-d		r.d									
Roches Point							•					•
Pembroke (St. Ann's H.)	r-d	p	oqpd	fm	59	55	•	4	0·2	L0800	L21·00	0·0
Ross-on-Wye	oir	dc	o.c	c.bc.b	60	59	55	5	-	L0800	-	0·0
Benson	rror	o	o	o.c.bc	60	59	54	9	0·1	L0800	L21·00	•
Andover	orror	or.od.	od		59	58	56	8	0·1	L0800	L21·00	0·0
S. Farnborough ...	orreir	orrqado	oo		58	54	56	8	-	L0800	-	2·4
London (Kew Obsy.) ...	oorp	ormom	om.o	o.c	59	58	58	10	Trace	L0800	L21·00	0·0
Croydon	orrmr.	orr.m	oq	qd.	59	53	54	11	Trace	L0800	L21·00	0·0
Clacton-on-Sea ..	oqr	oqroq	oq	oq.c	58	58	54	13	-	0900	-	0·0
Shoeburyness	r-d	r-d	o.bc		60	59	58	11	Trace	0900	L21·00	0·0
Grain	orrq	orr.	o.ir.q	o.c	59	59	56	10	Trace	L0800	L21·00	0·0
Lympne	or.rRr	r.om	orrdq	omd.	57	56	55	11	0·1	L0800	L21·00	0·0
Scilly (St. Mary's) ..	omqp	omq	oq	om	59	56	•	-	-	-	-	0·0
Falmouth (Pendennis)	cqomp	omqd	omd		58	54	•	0·2	0·1	1230	L21·00	0·0
Plymouth (Cattewater)	orq	r-d	o.cd		58	54	54	1	0·5	L0800	L21·00	0·0
Portland Bill	oo	oo	oo	oo	59	55	•	-	-	-	-	•
Southampton (Calshot)	orrqoq	oo	oo	oo	59	58	58	6	Trace	L0800	L21·00	0·0
Dungeness .. .	qRr	qiR	oq	oq	59	58	•	4	0·1	L0800	L21·00	•
Jersey 7h. ..	bco	oq	oo	oq.c	61	54	•	-	-	-	•	3·0
Guernsey 1h.												



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
1	19th 1100	"Ibex"	W	4	cor	58	59
2	" 1000	"Cambria"	SSW	5	c	59	56
3	20th 0200	"Brighton"	W	4	r	61	66

GENERAL INFERENCE.

Yesterday's depression is now centred over Southern Scandinavia and the barometer is rising generally over the British Isles, while a secondary trough indicated over the Atlantic appears to be filling up. Apart from a risk of showers weather will be mainly fair with moderating westerly to northwesterly winds and a somewhat lower temperature.

Districts. Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday 20th September, 1922.

1. S.E. England
2. E. England
3. E. Midlands
4. W. Midlands
5. S.W. England
6. South Wales
7. North Wales

Wind westerly to northwesterly, moderate, fresh locally; considerable bright periods but risk of showers, perhaps local thunder; visibility mainly good; temperature falling, risk of ground frost in places at night.

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 westerly to northwesterly, moderate, fresh locally; bright periods, local showers; visibility good; cold, ground frost probable at night.

Further Outlook.

Indications are at present indefinite but point to more settled conditions than of late.

Correction to Yesterday's Obs.
South cone hoisted in district 12, 14, 15, 17, 18 and 20 at 1945 G.M.T. Monday, Sep. 1922.

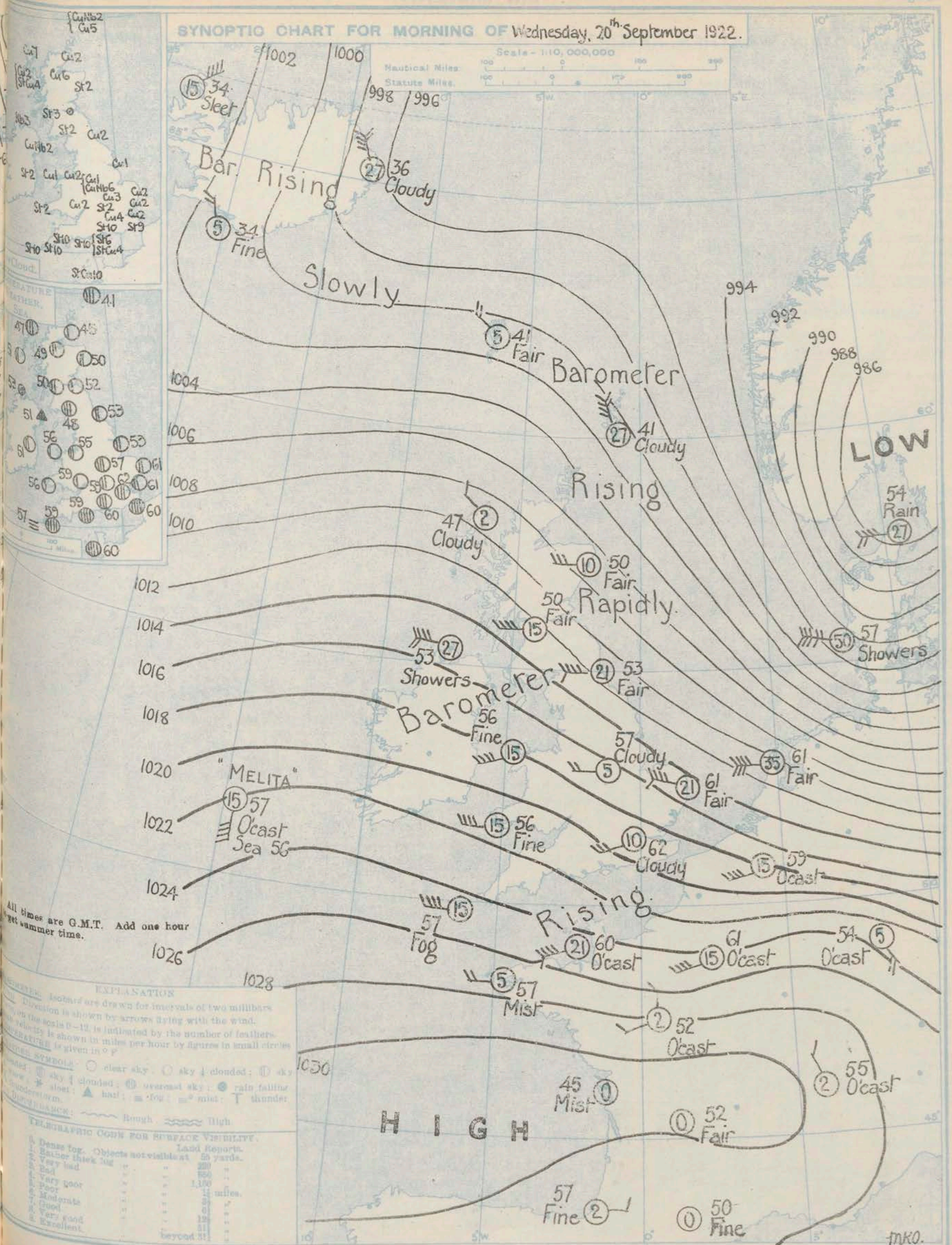
South cone hoisted in remaining coastal districts at 0945 G.M.T. Tuesday, September 19th 1922.

All times are G.M.T. not summer time.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 GMT.

nR. Simpson, F.R.S., Director.

† For Code see opposite page.



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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION Wednesday 20th September 1922. No. 263.

Observations at 0100 G.M.T.

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	985.0	-2	N	6	or̥r̥	50	97	6	2500	Ns	10	-	10	*
Stornoway	998.8	+14	SSE	7	PR	*	*	4	*	*	*	*	*	*
Wick	989.1	+2	WNW	7	bcpr	52	92	8	2500	CuNb	4	-	4	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1008.1	+6	W	7	bcd	55	92	7	2500	Nb	6	-	6	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	996.4	+8	WSW	7	b	55	85	8	-	StCu	1	·	1	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1002.8	-2	W	5	b	58	75	7	·	-	0	-	0	*
Blacksod Point														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Collinstown	1014.7	+6	W'S	7	c+	56	92	7	450	St	8	-	8	*
Holyhead	1014.2	+5	WSW	5	o	59	75	8	2500	St	10	-	10	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	[illegible]	-1	WSW	6	o	62	85	7	4000	CuNb	5	A St	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1009.5	-1	WSW	6	o	62	92	7	1500	St	10	-	10	*
Gorleston	1011.5	-1	W'S	5	o	62	85	7	5700	Nb	10	·	10	*
Valencia (Cahirciveen)	1020.3	+2	SW'S	4	oD-	57	97	2						*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1027.7	+1	WSW	8	od	56	97	6	800	St	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	62	*	*	*	*	*	*	*	*
Croydon	1016.2	-2	WSW	5	o+	62	85	7	1500	St	10	-	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1016.4	-2	WSW	5	o	58	92	6	1500	St	10	-	10	*
Scilly (St. Mary's)	1023.3	0	W'S	5	o	58	92	8	4000	StCu	10	-	10	*
Falmouth (Pendennis)														*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1019.9	0	WSW	6	o	56	85	7	1450	St	10	-	10	*
Southampton (Calshot)	1018.5	-1	W	6	o	60	85	7	1500	St	10	-	10	*
Dungeness	1016.3	-2	WSW	3	o/r	56	97	4	-	-	0	A St	10	*
Jersey 7h / Guernsey 1h	1025.4	-1	SW'W	7	o	58	97	6	2500	St	10	-	10	*

Observations at 0700 G.M.T.

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1001.2	+15	NNW	6	c/r	41	75	7	4000	Cu	7	·	7	5
Stornoway	1009.5	+9	NW	1	c	47	85	6	4000	Cu	7	·	7	0
Wick	1005.5	+12	NW	4	b	45	75	8	4000	CuNb	2	Ci	3	3
Castlebay	1012.6	+5	WNW	4	bc	51	85	7	2500	StCu	6	·	6	5
Nairn	1009.6	*	W	3	bcfr		75	8	4000	Cu	6	·	6	*
Aberdeen	1007.7	+2	W	3	bc	50	75	8	1500	St	2	Ci	3	0
Malin Head	1014.9	+6	WNW	6	opr	53	92	7	5700	Nb	3	A Cu	9	6
Renfrew	1012.5	+14	W	8	bc	50	85	7	1500	St	3	Ci	5	4
Edinburgh (Inchkeith)	1009.1	+11	W	5	b-	52	85	8	-	-	0	Ci St	3	*
Leuchars	1009.2	+11	W	5	b+	52	75	8	4000	StCu	1	Ci	3	*
Eskdalemuir	1012.8	+6	W'S	6	c	48	85	8	2500	StCu	4	Ci Cu	7	1
Tynemouth	1011.3	+6	W	3	bc	53	85	7	4000	Cu	2	Ci	4	
Blacksod Point														
Donaghadee	1006.0	+5	W	2	bcbh	51	55	7	4000	CuNb	2	A Cu	5	2
Birr Castle	1021.1	*	W	2	bc-	55	85	7	4000	StCu	3	A Cu	6	*
Collinstown	1018.8	+4	W	4	bc-	51	97	7	1500	St	2	A St	4	1
Holyhead	1018.4	+5	WSW	4	b-	56	85	7	2500	Cu	1	A St	2	7
Liverpool (Bidston)	1016.4	+4	W	7	bc·	55	85	8	2500	Cu	2	Ci	4	*
Chester (Shotwick)	1015.8	+6	W	4	c+	57	75	6	1500	StCu	8	-	8	
Spurn Head	1013.5	+7	W'S	7	bc-	57	85	8	4000	Cu	1	Ci St	5	6
Nottingham	1016.5	1	W	2	c-	57	75	6	500	CuNb	7	·	7	*
Cranwell	1015.9	+4	WNW	4	c	56	85	7	1500	Cu	3	Ci Cu	8	*
Gorleston	1014.7	+2	WNW	5	bc·	61	75	7	5700	Cu	2	Ci Cu	1	4
Valencia (Cahirciveen)														*
Roches Point														*
Pembroke (St. Ann's H.)	1021.1	+2	W	4	bfm	56	92	7	1500	St	2	·	2	6
Ross-on-Wye	[illegible]	+4	WNW	3	b	59	85	8	4000	Cu	1	Ci	2	*
Benson	1018.9	+5	W	4	bc	59	85	8	2500	St	2	Ci	3	*
Andover	1019.4	+2	WNW	5	sd	60	92	7	800	St	10	-	10	*
S. Farnborough	1019.5	+4	W/S	4		60	92	8	1000	St	10	-	10	*
London (Kew Obsy.)	1015.7	+5	WSW	3	c	62	65	8	2500	Cu	4	Ci	7	*
Croydon	1015.7	+4	W'S	3	o/r	62	85	8	800	StCu	7	A Cu	9	
Clacton-on-Sea	1016.4	+3	WSW	3	bc	61	85	7	2500	Cu	2	Ci Cu	4	0
Shoeburyness	1017.6	+6	WNW	2	bc·	63	85	7	1500	Cu	2	Ci St	4	*
Grain	1018.4	+5	WNW	5	c	64	85	8	1500	St	3	Ci	8	3
Lympne	1018.9	+4	W'S	4	o/r	60	97	6	800	St	9	·	9	*
Scilly (St. Mary's)	1024.1	+1	W	4	fo	57	97	3	450	St	10	·	10	6
Falmouth (Pendennis)	1024.1	+2	W	5	o	59	97	6	1500	St	10	·	10	1
Plymouth (Cattewater)	1023.2	+2	SW	3	od	59	97	7	2150	St	10	·	10	3
Portland Bill	1020.9	+0	W	7	o	59	75	6	1450	St	10	·	10	6
Southampton (Calshot)	1020.3	+3	WSW	3	o	61	92	7	1500	St	10	·	10	0
Dungeness	1018.7	+3	WSW	6	o	63	97	6	1500	St	10	·	10	7
Jersey 7h / Guernsey 1h	1025.3	0	WSW	3	o	60	92	8	2500	StCu	10	·		6

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 19th Sept 1922.

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temp. Min. Night. 18th-19th °F.	Temp. Max. Day, 19th °F.	Rainfall† Night 17h.-9h. 18th-19th mm.	Rainfall† Day 9h.-17h. 19th mm.	Sunshine Sunrise to 17h. 19th hr.	Sunshine Sunrise to Sunset. 18th hr.
Banff	oc	cbcc	36	69	4	-	4.1	7.2
Montrose	-	-	40	66	1	1	3.2	7.7
Llandudno	rod	od	49	63	10	1	0.0	7.0
Colwyn Bay	rc	bcco	53	65	9	-	0.0	6.6
Rhyl	po	po	53	65	10	1	0.0	5.1
Southport	R	ro	51	60	15	4	0.0	5.6
Blackpool	or	qo	52	60	12	4	0.0	7.1
Harrogate	op	bp	46	60	1	1	0.0	7.2
Skegness	o	o	43	60	1	2	0.0	9.1
Aberystwyth	rro	o	53	58	4	9	0.0	8.0
Bath	r	rd	52	60	2	6	0.0	8.8
Leamington Spa	ov	o	50	60	7	3	0.0	10.4
Lowestoft	or	oro	45	58	·	7	0.0	8.5
Felixstowe	omr	omrom	50	58	1	17	0.0	10.5
Southend	or̥r̥	ordo	50	59	2	6	0.0	10.8

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temp. Min. Night. 18th-19th °F.	Temp. Max. Day, 19th °F.	Rainfall† Night 17h.-9h. 18th-19th mm.	Rainfall† Day 9h.-17h. 19th mm.	Sunshine Sunrise to 17h. 19th hr.	Sunshine Sunrise to Sunset. 18th hr.
Paignton	ocoq	poqe	51	59	-	Trace	0.0	8.5
Ilfracombe	or	op	54	60	5	2	0.0	5.6
Bude	oeoor	iroro	51	59	0.3	1	0.0	8.1
Penzance	op	o	51	59	-	0.3	0.0	5.6
Falmouth Observatory	qqm	oeqm	51	59	0.2	0.2	0.0	6.2
Torquay	o	o	53	60	-	-	0.0	9.2
Weymouth	op	co	51	59	1	1	0.0	8.1
Bournemouth	o	o	50	58	1	1	0.0	8.7
Portsmouth (S'thsea)	or	o	53	59	3	3	0.0	10.6
Worthing	r	ro	51	57	3	3	0.0	10.0
Brighton	ro	o	53	58	3	3	0.0	9.8
Eastbourne	r	ro	52	59	1	6	0.0	9.6
Hastings	oRr	oRdo	47	57	0.2	8	0.0	11.3
Folkestone	r	d	50	56	-	13	0.0	10.9
Tunbridge Wells	or	oro	47	57	1	9	0.0	11.2
Ramsgate	r	ro	43	57	-	12	0.0	10.7
Margate	orr	ror	48	58	0.1	13	0.0	10.0
Deal	or	ro	46	57	-	11	0.0	10.7

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22218. THURSDAY 21st September 1922.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Berwick	1008.3	+5	WNW	5	0	48	65	7	5700	St.Cu	7	A.St	9	*
Stornoway	1013.0	+4	NW	5	OPR-	53	65	6	450	St.	10	-	10	*
Lerwick	1011.6	+5	W	3	C+	53	65	8	4000	Nb	5	Ci	7	*
Lerwick	1016.9	+3	W	4	opr0	56	85	7	800	Nb	10	-	10	*
Tarbert	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1014.1	+5	WNW	3	C	58	55	8	4000	St.Cu	8	-	8	*
Malin Head	1018.1	+4	W'N	5	ojp	55	85	7	5700	Nb	4	A.St	10	*
Renfrew	1017.4	+4	WNW	4	o+	55	75	8	4000	St.	10	-	10	*
Edinburgh (Inchkeith)	1015.2	+7	W	4	or0	55	85	8	-	Cu.Nb	7	Ci.St	9	*
Leuchars	1014.7	+3	W	6	o	60	65	8	4000	St.Cu	7	A.Cu	9	*
Eskdalemuir	1017.9	+4	WSW	4	o	55	75	8	2500	St.Cu	10	-	10	*
Tynemouth	1017.3	+3	W	2	o	58	75	7	-	-	0	A.St	10	*
Blacksod Point														*
Donaghadee	1019.5	+2	WNW	2	o	56	75	8	4000	Cu	4	A.Cu	9	*
Tuam Castle	1022.2	*	S	1	o+	58	75	8	4000	Cu	9	-	9	*
Collinstown	1022.9	+2	W	4	o	59	75	8	2500	St.Cu	10	-	10	*
Holyhead	1022.1	+3	SW'S	4	bc+	61	65	8	4000	St.Cu	3	A.St	5	*
Liverpool (Bidston)	1021.7	+4	W	5	bc	57	75	7	4000	St.Cu	3	Ci.Cu	5	*
Chester (Shotwick)	1021.3	+3	WNW	4	c	60	65	8	4000	St.Cu	6	A.Cu	8	*
Spurn Head	1019.6	+6	W	6	b	61	92	7	4000	Cu	3	-	3	*
Nottingham	1021.2	*	WNW	4	bc	63	65	7	4000	Cu	4	-	4	*
Cranwell	1021.6	+4	W'S	5	bc+	63	55	7	-	-	0	A.St	6	*
Coningsby	1021.2	+4	WNW	4	bc	64	55	7	4000	Cu	4	-	4	*
Valencia (Cahirciveen)	1022.3	0	NNW	3	od	58	97	6	-	-	0	A.St	10	*
Roches Point														*
Pembroke (St. Ann's H.)	1024.9	+4	NNW	3	b	59	75	8	-	-	0	A.Cu	1	*
Ross-on-Wye	1022.8	+2	W	3	b	66	65	8	5700	Cu	1	-	1	*
Gunson	1022.2	+2	W	3	b	69	65	8	-	Cu	2	-	2	*
Andover	1022.6	+3	W	4	b	67	65	8	5700	St.Cu	1	-	1	*
Farnborough	1022.8	+2	WSW	3	bc	70	55	7	2500	Cu	4	-	4	*
London (Kew Obsy.)	1022.8	+2	W	3	b	67	55	8	5700	Cu	3	-	3	*
Croydon	1022.4	+1	W'N	3	bc	69	55	8	4000	Cu	4	-	4	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1022.1	+3	WNW	3	b	69	65	8	4000	Cu	2	-	2	*
Grain	1022.0	+3	W	4	b	68	75	7	2500	St.	1	-	1	*
Dungeness	1021.3	0	W'N	4	bc	69	55	8	4000	Cu	3	A.Cu	4	*
Scilly (St. Mary's)	1026.3	0	WSW	2	ff0	59	97	3	450	St.	10	-	10	*
Falmouth (Pendennis)	1027.1	+3	WSW	3	od0	60	97	5	2500	St.	10	-	10	*
Plymouth (Cattewater)	1025.6	+2	W	3	o-	61	92	7	4150	St.Cu	10	-	10	*
Portland Bill	1023.9	+3	WSW	6	b	61	75	7	-	-	0	-	0	*
Southampton (Calshot)	1024.2	+3	WSW	4	b	65	75	8	4000	Cu	2	-	2	*
Dungeness	1022.7	+1	WSW	5	b	65	85	7	-	-	0	Ci.Cu	3	*
Jersey	1027.1	0	WSW	4	b	62	[illegible]	8	2500	St.Cu	10	-	10	*

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Berwick	1010.0	+1	WNW	5	opr0	47	75	7	4000	Cu.Nb	2	Ci.Cu	8	4
Stornoway	1015.4	+2	W	3	o/r	48	85	6	450	St.	10	-	10	2
Lerwick	1014.1	+3	W	3	ojp	48	75	8	2500	Cu.Nb	4	A.Cu	10	0
Lerwick	1018.0	+2	WNW	3	o	51	85	7	800	St.	10	-	10	3
Tarbert	1016.2	*	W	2	c/r	50	75	8	4000	Cu	8	-	8	*
Aberdeen	1016.8	+4	W'N	2	o/r	51	75	8	2500	Nb	10	-	10	0
Malin Head	1018.7	+1	WSW	3	or0	53	92	7	5700	Nb	4	A.St	10	5
Renfrew	1019.5	+3	W	3	o	52	85	8	4000	St.Cu	5	A.St	10	*
Edinburgh (Inchkeith)	1017.2	+4	WSW	4	o+	53	85	8	-	Cu.Nb	2	Ci.St	10	3
Leuchars	1017.4	+4	W	5	o+	53	75	8	450	St.	1	A.St	10	*
Eskdalemuir	1020.0	+2	WSW	4	o	49	75	8	2500	St.Cu	4	A.Cu	9	*
Tynemouth	1019.5	+2	W	2	c	56	85	6	4000	St.Cu	8	-	8	1
Blacksod Point														*
Donaghadee	1020.5	0	W	1	o	54	75	8	-	-	0	A.St	10	0
Tuam Castle	1020.3	*	S	1	odd	59	92	6	450	St	10	-	10	*
Collinstown	1022.0	-2	-	0	odd	55	97	4	800	Nb	10	-	10	*
Holyhead	1021.9	-1	SSW	3	o	57	92	7	2500	St.	10	-	10	1
Liverpool (Bidston)	1022.2	0	W	3	o+	57	85	7	2500	St.Cu	10	-	10	4
Chester (Shotwick)	1021.6	+1	WSW	3	o	58	75	8	2500	St.	2	A.Cu	10	*
Spurn Head	1021.5	+2	W	5	o	58	75	6	4000	St.Cu	5	A.St	9	5
Nottingham	1022.8	*	WNW	2	o+	58	75	6	1500	St.Cu	10	-	10	*
Cranwell	1022.8	+2	WNW	3	o	59	85	6	4000	St.	8	A.Cu	10	*
Coningsby	1021.9	0	W	1	C+	61	65	6	4000	St.Cu	8	-	8	0
Valencia (Cahirciveen)														*
Roches Point														*
Pembroke (St. Ann's H.)	1024.4	-2	W	4	ojp	57	92	7	800	St.	10	-	10	4
Ross-on-Wye	1024.1	+2	W'S	3	b	60	85	7	7250	St.Cu	2	A.Cu	3	*
Gunson	1024.1	+2	SW	3	b	61	75	8	-	-	0	A.Cu	3	*
Andover	1024.6	+1	W	3	b	60	85	8	-	-	0	-	0	*
Farnborough	1024.3	+1	WSW	1	b	61	75	7	-	-	0	-	0	*
London (Kew Obsy.)	1024.3	+2	SW	2	b	64	75	8	-	-	0	A.St	1	*
Croydon	1024.1	+2	W'S	3	b	63	65	7	-	-	0	A.Cu	1	*
Clacton-on-Sea	1023.4	+2	W	3	bc	67	55	7	-	-	0	A.Cu	4	0
Shoeburyness	1018.0	+2	WNW	2	b	64	75	7	4000	Cu	3	-	3	*
Grain	1023.8	+3	SW	3	b	61	75	7	-	-	0	A.Cu	1	0
Dungeness	1024.5	+3	WSW	4	b	60	92	8	4000	Cu	1	-	1	*
Scilly (St. Mary's)	1026.6	0	W	2	ff0	58	97	2	450	St	10	-	10	3
Falmouth (Pendennis)	1027.2	0	-	0	0	60	97	5	2500	St.	10	-	10	0
Plymouth (Cattewater)	1026.6	+1	SW	3	0	60	97	7	4150	St.	10	-	10	0
Portland Bill	1024.2	0	WSW	6	b	60	75	7	-	-	0	-	0	6
Southampton (Calshot)	1025.4	+2	WSW	4	b	60	92	6	-	-	0	-	0	0
Dungeness	1023.4	0	SW	4	b	60	97	7	-	-	0	-	0	5
Jersey	1028.2	0	W	4	od0	61	65	6	1500	Nb	10	-	10	4

LONDON OBSERVATIONS.

	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature Max. °F.	Temperature Min. °F.	Temperature Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 21st								YESTERDAY.		TO-DAY.
Kew											
Croydon (24 hours ended 0700)	c.be.by	by.b	bn.odpm	*	*	49	-	Tr	9.8	*	*
Greenwich (Royal Obsy.)	o.bcy	bcy.b	b.be.om	*	*	44	-	Tr	10.2	*	*
City (Bunhill Row)	c.be	b	bjp.od	41	56	44	-	Tr	9.4	52	88
Westminster (St. James' Pk.)	*	*	*	*	*	*	*	*	8.4	*	*
Regent's Pk. (Botanic Gdns.)	*	*	*	41	56	*	-	-	8.9	41	88
Camden Square	*	*	*	*	*	*	*	*	8.3	*	*
Kensington Palace	be	b	*	43	56	52	-	Tr	*	*	92
Hampstead Observatory	be.b	b	*	40	56	51	-	0.1	*	6.4 (18h)	94
	*	*	*	68	54	*	-	Tr	9.3	*	94

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T.

South Kensington	Max.	Time.	Min.	Time.
	0.6	17h.19m.	0.3	1-2h.20m.
	0.6	10h.20m.		

Kew Observatory	Max.	Time.	Min.	Time.
	0.4	8h.20m.	0.3	2½-3h. 20m.
	0.4	15h.20m.		

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday. South Kensington.

Total ..... joules

Average Rate ..... Milliwatts.

Maximum Rate ..... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 20th 19h. 0m. to 21st 5h. 0m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	10 0	4 32	45
δ Ursae Minoris	10 0	6 29	65

RADIO DISTURBANCES (Atmospherics) AT CROYDON.

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

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

21st & 22nd Sept., 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.39	11.46	5.54
	5.40	11.46	5.52
Greenwich	5.46	11.53	6.1
	5.44	11.50	5.59
Wick	5.35	12.5	6.15
	5.34	12.5	6.12
Valencia	6.24	12.34	6.42
	6.28	12.34	6.40

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

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

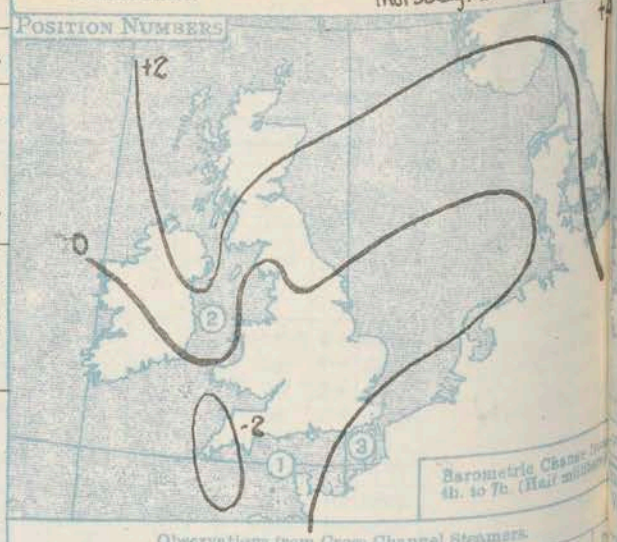
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 20th	13h.-18h. 20th	18h. 20th to 1h. 21st	1h.-7h. 21st	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	p	c	r.d	p	50	42	•	0.4	2	<0800	<21.00	•
Stornoway	p	p	p	c	53	44	•	2	0.6	–	–	2.4
Wick	c	cop	c	oo	54	42	•	0.4	Trace	1330	06.30	•
Castlebay	cop	opo	o	orro	56	48	•	Trace	2	–	–	0.2
Nairn	cbc	cirg	cg	cg	55	45	•	0.4	4	1330	03.30	0.4
Aberdeen	c	cop.r	om	omm	59	46	42	0.2	–	1730	–	2.8
Malin Head	c	oo	r.d	oMdd	55	49	•	0.1	5	1630	–	0.8
Renfrew	bcco	ocp.o	od	oprm	58	46	43	Trace	4	1630	<21.00	3.4
Edinburgh (Inchkeith)	c	oo	oo	ol.r	56	44	43	–	0.2	–	06.30	4.8
Leuchars	c	oo	or		61	46	44	–	Trace	–	03.30	4.4
Eskdalemuir	co	oo	oodm	odm	56	44	45	–	4	–	–	2.8
Tynemouth	oo	cm.	op.m	RRm	59	49	48	–	4	–	22.00	•
Blacksod Point ...							•					•
Donaghadee	c	co	omr	omr	58	50	•	–	9	–	<21.00	•
Birr Castle	co	cod.d	od.co	co	60	59	56	0.2	0.2			
Collinstown	oo	oddm	oltmq	oo	61	51	•	0.2	0.1	1630	22.00	4.4
Holyhead	b.bc	c	om.o.c	od.o	61	56	53	–	Trace	–	03.30	6.4
Liverpool (Bidston) ...	bc	oo	c		61	55	50	–	–	–	–	4.6
Chester (Shotwick) ...	cmbcc	co	c.bc.bm	b.bcmq	61	54	53	–	–	–	–	•
Spurn Head	b.bc	c	b.bc	c	61	54	•	–	–	–	–	5.6
Nottingham	c	c	c.b	w	65	51	49	–	–	–	–	4.4
Cranwell	bc	c	o.c.bc	o.c.b	64	49	45	–	–	–	–	4.9
Gorleston	bcq	b.bc	b	bc.c.bc	66	53	48	–	–	–	–	10.2
Valencia (Cahirciveen)	omd		r.d									
Roches Point							•					•
Pembroke (St. Ann's H.)	b.bc	oo	F	oo	60	56	•	–	Trace	–	•	4.4
Ross-on-Wye	b	b.bccb	bc.b.bc	c.o	68	55	52	–	–	–	–	9.4
Benson...	bc	b	b	ow	69	50	44	–	–	–	–	
Andover	cbcb	b	bcom		68	52	44	–	Trace	–	–	10.0
S. Farnborough ...	ocbcy	bcy b	b.bc.e.o	omw	71	50	43	–	–	–	–	10.2
London (Kew Obsy.) ...	cbcby	by b	bw	od.om	68	56	49	–	Trace	–	04.30	9.8
Croydon	obcy	bcby	b.bc	b.bcom	70	56	44	–	Trace	–	03.30	10.2
Clacton-on-Sea ...	cbcyc	bcy	bcy.b	b.bc.c.o	68	50	48	–	–	–	–	11.1
Shoeburyness ...	b.bc	by	b.bc		70	55	52	–	–	–	–	10.0
Grain	cbcb	b	o	b.bc.c.o	70	49	42	–	–	–	–	10.6
Lympne	c	b.bc	F	bfbmof	70	52	50	–	0.1	–	•	9.4
Scilly (St. Mary's) ...	F	FFe	oif	FFE	60	53	•	–	Trace	–	•	0.0
Falmouth (Pendennis)	omd	omd		omf	62	56	•	–	–	–	•	0.2
Plymouth (Cattewater)	c	qm		o.c.r.d	60	56	56	Trace	0.1	<0800	2.30	4.0
Portland Bill	b.bc	b.bc	f.m	f.m	62	55	•	–	0.3	–	1.30	•
Southampton (Calshot)	bcbcb	b.bc	b.c	k.off	64	54	54	–	Trace	–	<21.00	8.3
Dungeness	c	b.bc	b.bcm	omfd	66	54	•	–	0.1	–	03.30	•
Jersey 7h } ...	oco	od.	idiF	ombwm	63	58	+	Trace	Trace	1730	22.00	0.0
Guernsey 1h }												

ISALLOBARS. Thursday. 21st September.

POSITION NUMBERS



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

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
1	20th 1200	Reindeer	W	5	ob.d.	59	59
3	21st 0200	Arundel	WSW	5	ifo	59	59

GENERAL INFERENCE.

The cold air of polar origin now lying over Scotland and Northern Ireland will probably extend southwards very gradually replacing the present humid southwesterly current, causing a reduction of temperature, accompanied at first by some rain. In the North variable skies are probable, with local showers.

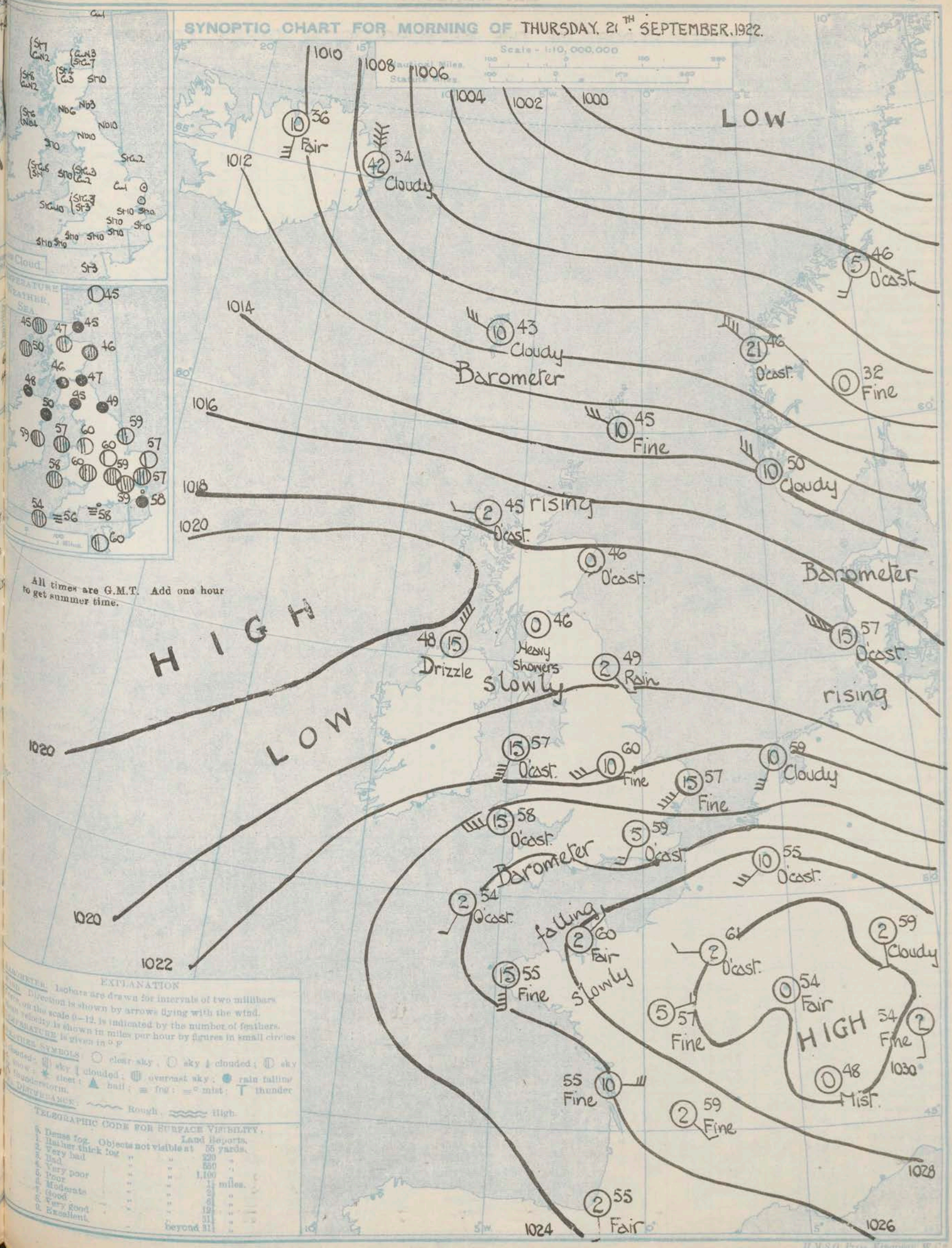
Forecasts for the 24 hours commencing 15 h. G.M.T. Thursday, 21st September, 1922.

Districts.	Forecasts	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Moderate Southwesterly wind, probably between Northeast and Northwest later; cloudy to overcast, some rain probable tonight or tomorrow; visibility poor to moderate inland, coastal fog; temperature moderate today, falling later.	None Issued.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind indefinite, then between Northeast and Northwest, light or moderate; dull, rainy; visibility poor; colder.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind mainly between N.E. and N.W., light or moderate; dull, some rain, improving later; visibility moderate to good; cold.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind Northwest to North, moderate; variable cloud, some showers; visibility good; cold.	
17. N.W. Ireland 18. N.E. Ireland	As 11 to 13.	
19. S.E. Ireland 20. S.W. Ireland	As 7 to 10.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.15 G.M.T. G. Simpson, F.R.S., Director.

* See Code on opposite page.

SYNOPTIC CHART FOR MORNING OF THURSDAY, 21TH SEPTEMBER, 1922.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. THURSDAY, 21st SEPTEMBER 1922. No. 264.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1012.2	+2	WNW	4	b/r	46	95	9	4000	Cu Nb	2	-	2	*
Stornoway	1019.1	0	W	3	PR	*	*	5	*	*	*	*	*	*
Wick	1015.9	+1	WSW	3	c	43	92	8	800	St	9	-	9	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1018.5	-1	NE	3	odd	49	94	6	2500	St	10	-	10	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1018.4	0	WSW	2	0	50	92	9	*	St	10	-	10	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1019.9	-1	W	1	ofr	53	92	6	4000	Nb	10	-	10	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Collinstown	1020.3	0	SW	6	c/r	61	94	6	1500	St	5	A St	9	*
Holyhead	1020.9	0	SW'S	4	c+	58	94	8	2500	St Cu	9	*	9	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1021.3	-1	SW	2	0	56	92	9	-	-	0	A St	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1020.1	-1	SSW	3	0+	53	92	9	2500	St	10	-	10	*
Gorleston	1024.1	+1	WSW	2	b+	53	92	9	5000	St Cu	2	-	2	*
Valencia (Cahirciveen)	1020.0	-3	ESE	4	o/m	59	92	5	*	St Cu	9	-	9	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1024.6	0	WSW	4	o/f	51	96	6	1500	St	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	5	*	*	*	*	*	*	*	*
Croydon	1026.4	+1	SW'W	2	b	56	94	9	-	-	0	-	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1026.3	+1	WSW	3	ff b	53	94	2	-	-	0	-	0	*
Scilly (St. Mary's) ...	1026.5	0	SW	3	o/f	56	94	9	1500	St	10	-	10	*
Falmouth (Pendennis)														*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1026.9	+1	W	3	ff o	58	55	3	450	St	10	-	10	*
Southampton (Calshot)	1027.0	+1	W'S	2	o+	53	94	6	1500	St	10	-	10	*
Dungeness	1026.6	+1	SW	2	b	51	94	6	-	-	0	-	0	*
Jersey 7h }	1025.4	+1	WSW	2	ff o	58	94	3	<150	St	10	-	10	*
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1013.2	+2	WNW	3	b	45	95	9	4000	Cu	1	Ci	3	2
Stornoway	1014.8	+2	W	1	o	45	92	6	800	St	9	-	9	0
Wick	1016.6	+2	WNW	3	ofr	46	92	8	2500	St Cu	10	-	10	3
Castlebay	1020.3	-2	NW	3	ofr	50	65	9	1500	St	10	-	10	*
Nairn	1014.8	*	W	2	c	49	95	8	1500	St	9	-	9	*
Aberdeen	1019.3	+2	-	0	0	46	83	5	1500	St	10	-	10	0
Malin Head	1019.9	+1	NE'N	4	od	48	92	6	2500	St	10	-	10	5
Renfrew	1019.9	+3	-	0	or	46	94	6	4000	Nb	6	A St	10	*
Edinburgh (Inchkeith)	1019.2	+1	WNW	1	or	49	92	9	*	Nb	3	A St	10	1
Leuchars	1019.1	+1	W	2	ofr	46	92	8	1500	St	10	-	10	*
Eskdalemuir	1019.1	0	NW'N	2	odd	45	94	6	800	Nb	10	-	10	*
Tynemouth	1018.6	-1	SE	1	or	49	94	6	4000	Nb	10	-	10	0
Blacksod Point ...														
Donaghadee	1019.1	+2	ENE	1	ofr	50	94	5	1500	St	10	-	10	1
Birr Castle	1019.5	*	SW	2	c-	59	92	8	4000	St Cu	5	Ci	8	*
Collinstown	1020.4	0	SW	4	o	59	92	8	4000	St Cu	9	-	9	*
Holyhead	1020.9	+1	WSW	4	o	59	94	6	<150	St	10	-	10	1
Liverpool (Bidston) ...	1020.2	0	SW	5	bc-	60	85	9	2500	Cu	5	-	5	5
Chester (Shotwick) ...	1019.3	0	SW	5	c+	63	95	6	2500	St Cu	9	-	9	*
Spurn Head	1020.3	-1	SW	5	bc	59	92	6	4000	St Cu	2	A Cu	4	4
Nottingham	1021.6	*	WSW	3	b+	60	92	6	4000	Cu	1	-	1	*
Cranwell	1021.9	0	SSW	4	b	60	92	6	4000	St Cu	1	-	1	*
Gorleston	1023.1	0	SW'W	4	b-	59	92	6	*	-	0	A Cu	3	1
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1024.2	-1	WSW	4	o	58	92	9	2500	St Cu	10	-	10	5
Ross-on-Wye	1024.2	-1	SW'W	3	o	60	92	6	2500	St Cu	10	-	10	*
Benson...	1024.9	0	SSW	3	o	59	92	6	*	St	10	-	10	*
Andover	1025.4	0	SSW	1	mmo	59	92	4	450	St	10	-	10	*
S. Farnborough ...	1025.8	-1	SSW	3	o	58	94	6	800	St	10	-	10	*
London (Kew Obsy.) ...	1025.4	0	SSW	2	ofr	59	92	6	1500	St	10	-	10	*
Croydon	1025.8	0	SW	3	ofr	54	94	4	225	St	10	-	10	*
Clacton-on-Sea ...	1026.6	0	WSW	3	o+	54	94	6	-	-	0	A St	10	0
Shoeburyness	1025.5	+50	SW	1	mmo	54	94	5	800	St	10	-	10	0
Grain	1025.8	0	SSW	3	o	54	92	5	800	St	10	-	10	*
Lympne	1026.3	0	SW	3	FFo	56	94	1	<150	St	10	-	10	*
Scilly (St. Mary's) ...	1025.1	-1	S'W	1	ffo	54	94	2	450	St	10	-	10	3
Falmouth (Pendennis)	1026.8	-2	WSW	2	ffo	56	94	2	1500	St	10	-	10	0
Plymouth (Cattewater)	1026.1	-1	-	0	mmo	56	94	5	<150	St	10	-	10	0
Portland Bill	1025.4	-1	W	4	om	58	85	5	450	St	10	-	10	0
Southampton (Calshot)	1026.4	-1	SW'W	4	ffo	54	94	3	<150	St	10	-	10	4
Dungeness	1026.4	0	SW	4	od	58	94	6	800	St	10	-	10	0
Jersey 7h }	1026.9	0	NE	1	b	60	94	5	1500	St	3	A Cu	5	0
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 20th Sept. 1922.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 19h.-20h. °F.	Temperature. Max. Day. 20 °F.	Rainfall.† Night 17h.-9h. 19h.-20h. mm.	Rainfall.† Day 9h.-17h. 20h. mm.	Sunshine. Sunrise to 17h. 20h. hr.	Sunshine. Sunrise to Sunset. 19h. hr.
Banff	bcq	cor	48	57	0.2	0.4	4.8	4.1
Montrose	*	*	49	60	-	-	4.0	3.4
Llandudno	cbc	co	52	60	1	-	4.9	0.0
Colwyn Bay ...	bc	bcc	55	59	-	-	3.3	0.0
Rhyl...	bc	bcc	56	60	0.2	-	6.3	0.0
Southport	bbcb	bcco	55	59	0.3	-	4.5	0.0
Blackpool	ocbc	o	55	59	0.2	-	3.1	0.0
Harrogate	bcb	bcc	52	61	0.1	-	6.3	0.0
Skegness	co	o	56	65	0.1	-	7.4	0.0
Aberystwyth ...	ocroc	cbbc	50	61	3	-	7.0	0.0
Bath	b	b	59	66	5	-	9.5	0.0
Leamington Spa ...	bc	bc	52	66	-	-	8.3	0.0
Lowestoft	bbcb	bbc	57	66	-	-	9.5	0.0
Felixstowe	b	b	57	67	-	-	9.7	0.0
Southend	bcb	b	58	71	-	-	10.0	0.0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 19h.-20h. °F.	Temperature. Max. Day. 20h. °F.	Rainfall.† Night 17h.-9h. 19h.-20h. mm.	Rainfall.† Day 9h.-17h. 20h. mm.	Sunshine. Sunrise to 17h. 20h. hr.	Sunshine. Sunrise to Sunset. 19h. hr.
Paignton	ocq	bccbc	58	71	-	-	7.4	0.0
Ilfracombe	ocbc	bcc	58	62	1	-	6.7	0.0
Bude	doeco	oeod	58	63	1	1	1.9	0.0
Penzance	ofc	of	58	63	0.2	-	0.0	0.0
Falmouth Observatory	om	om	57	63	0.3	-	0.3	0.0
Torquay	b	b	58	71	-	-	7.3	0.0
Weymouth	cbc	bcb	58	69	0.1	-	7.5	0.0
Bournemouth ...	db	b	56	71	1	-	8.0	0.0
Portsmouth (S'thsea)	b	b	58	70	-	-	8.1	0.0
Worthing ...	obc	b	57	66	-	-	7.7	0.0
Brighton	mocbc	bc	58	65	-	-	7.8	0.0
Eastbourne	dmb	bc	58	64	8	-	7.0	0.0
Hastings	ocbc	bcb	57	68	0.4	-	7.9	0.0
Folkestone	b	b	56	70	3	-	8.6	0.0
Tunbridge Wells ...	b	b	56	72	1	-	9.0	0.0
Ramsgate	b	b	55	68	-	-	10.4	0.0
Margate	b	b	58	66	-	-	10.2	0.0
Deal	bcb	b	58	72	1	-	9.9	0.0

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22,219 FRIDAY, 22ND SEPTEMBER, 1922.

Observations at 1300 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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1015·3	+3	WNW	6	bc p₀	49	65	7	4000	Cu Nb	6	-	6	*
Stornoway	1020·9	+3	NW	3	bc-	53	65	7	4000	Cu	5	-	5	*
Wick	1019·6	+4	W	2	C+	51	65	8	2500	Cu Nb	5	Ci	7	*
Castlebay	1023·0	+2	NW	3	C-	52	65	8	2500	St. Cu	4	A. St	6	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1021·5	0	WNW	2	0	53	65	7	2500	St. Cu	9	-	9	*
Malin Head	1022·6	+1	ENE	3	o/r	50	85	9	5700	Nb	2	A. St	10	*
Renfrew	1022·5	+1	NW	1	o/r	51	75	6	4000	St.	10	-	10	*
Edinburgh (Inchkeith)	1021·6	+1	W	2	0	49	85	7	-	-	0	A. St	10	*
Leuchars	1021·6	+2	W	2	0	53	85	8	-	-	0	A. St	10	*
Eskdalemuir	1022·6	+4	N	3	0	46	85	7	1500	St.	2	A. St	10	*
Tynemouth	1021·7	+4	N	3	o/r	49	97	6	2500	Nb	10	-	10	*
Blacksod Point														*
Donaghadee	1022·2	+3	NE	3	o/r	50	85	8	-	-	0	A. St	10	*
Carr Castle	1020·3	*	S	1	C-	64	85	8	4000	St. Cu	4	Ci. Cu	7	*
Collinstown	1021·5	+1	WSW	3	0	64	85	7	1500	St.	10	-	10	*
Holyhead	1021·6	+1	SSW	4	0	60	92	7	4000	St.	10	-	10	*
Liverpool (Ridston)	1021·7	+1	SW	3	0+	63	75	7	1500	Cu. Nb	10	-	10	*
Chester (Shotwick)	1020·8	+1	WSW	3	C+	67	65	8	1500	St.	7	A. St	10	*
Spurn Head	1020·5	+0	WSW	6	C	65	85	7	4000	Cu Nb	8	-	8	*
Nottingham	1022·0	*	WSW	2	0	66	75	7	1500	Nb	8	Ci. St	10	*
Cranwell	1021·5	+2	SW	4	0	65	75	6	2500	St. Cu	10	-	10	*
Mablethorpe	1022·6	0	WSW	4	bc+	70	65	7	4000	Cu	3	Ci. Cu	6	*
Valencia (Cahirciveen)														*
Roches Point														*
Pembroke (St. Ann's H.)	1024·4	0	W	3	ff0	56	97	3	2150	St.	10	-	10	*
Ross-on-Wye	1022·1	-2	SW	4	C-	69	65	8	4000	Cu	4	Ci	6	*
Benson	1023·7	-2	SW	4	C-	68	65	8	-	Cu	6	Ci	7	*
Dover	1024·3	-1	SW	4	bc	67	65	8	1500	St. Cu	4	-	4	*
E. Farnborough	1025·0	-1	WSW	3	C-	67	75	7	2500	Cu	7	-	7	*
London (Kew Obsy.)	1025·0	-1	SW	4	C-	68	75	7	4000	Cu	6	A. Cu	8	*
Croydon	1025·1	-2	SW	3	C-	69	75	7	2500	St. Cu	8	-	8	*
Cleeton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1025·2	0	SW	2	C-	67	75	6	5700	St. Cu	7	-	7	*
Orsin	1025·3	-1	SW	4	0-	67	75	7	5700	St. Cu	8	-	8	*
Lympne	1026·2	-1	SW	3	0	61	97	8	450	St.	10	-	10	*
Scilly (St. Mary's)	1024·2	-2	WSW	1	0	55	85	8	4000	St. Cu	10	-	10	*
Falmouth (Pendennis)	1025·0	-2	SSW	3	ff0	57	97	2	1500	St.	10	-	10	*
Plymouth (Cattewater)	1025·0	-2	SSW	2	od₀d₀f	58	97	3	2150	St.	10	-	10	*
Portland Bill	1025·7	0	WSW	1	f0+	66	82	1	450	St.	10	-	10	*
Southampton (Calshot)	1026·1	-1	SW	3	c/f	61	92	6	2500	St.	7	-	7	*
Dungeness	1026·3	0	SW	3	i w 0	62	92	5	800	St.	10	-	10	*
Jersey	1026·1	0	NE	2	b/f	70	75	8	-	-	0	-	0	*

Observations at 1800 G.M.T. 21st

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1017·9	+2	WNW	4	bc	46	65	7	4000	Cu	4	-	4	3
Stornoway	1022·1	+1	NW	3	b	50	75	7	4000	Cu	3	-	3	2
Wick	1021·4	+3	WNW	1	bc	47	85	8	4000	Cu	2	A. Cu	5	0
Castlebay	1023·8	+1	-	0	b	51	75	8	4000	St. Cu	2	-	2	1
Nairn	1022·1	*	-	0	bc-	48	75	8	4000	Cu	2	Ci	4	*
Aberdeen	1023·0	+2	-	0	b	50	75	7	-	-	0	Ci	2	0
Malin Head	1023·3	0	NE	3	C	51	92	8	5700	Nb	2	A. Cu	8	3
Renfrew	1023·7	+1	-	0	0	49	85	7	-	St. Cu	7	A. Cu	10	*
Edinburgh (Inchkeith)	1023·0	+2	-	0	0-	50	85	7	-	St. Cu	5	Ci. Cu	9	0
Leuchars	1022·7	+1	ENE	1	C	49	85	7	-	-	0	Ci	8	*
Eskdalemuir	1023·7	+2	NNE	2	o/r	45	92	7	1500	Nb	1	A. St	10	*
Tynemouth	1023·6	+2	NE	2	ODD	47	97	4	4000	Nb	10	-	10	1
Blacksod Point	1023·0	0	NE	2	orr	50	92	6	2500	St.	10	-	10	2
Donaghadee	1020·3	*	W	1	ODD	59	92	6	225	St.	10	-	10	*
Carr Castle	1022·7	+1	N	3	$r_0r_0f_0$	51	92	5	800	Nb	10	-	10	*
Collinstown	1021·5	0	SSW	3	0+	57	97	7	450	St.	7	A. Cu	9	0
Holyhead	1021·4	0	SWⁱW	3	b	61	75	8	2500	St.	1	Ci	3	3
Liverpool (Ridston)	1020·8	0	WSW	3	bc-	62	75	7	450	St.	5	Ci. St	6	*
Chester (Shotwick)														
Spurn Head	1022·2	+2	NNE	3	0	54	92	7	4000	St. Cu	10	-	10	4
Nottingham	1022·1	*	W	1	0	63	85	6	1500	Nb	4	Ci. St	10	*
Cranwell	1022·3	0	WSW	3	0	63	85	7	4000	St. Cu	10	-	10	*
Mablethorpe	1022·6	0	SW	1	C+	66	85	6	-	-	0	A. Cu	7	0
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1023·2	-1	WSW	2	ff0	55	92	2	2150	St.	10	-	10	4
Ross-on-Wye	1022·5	0	SWⁱS	1	C	64	75	8	4000	Cu	3	Ci. Cu	8	*
Benson	1022·9	0	SSW	2	bc	63	75	8	5700	St. Cu	3	A. Cu	7	*
Dover	1023·5	-1	SSW	3	C+	62	85	7	1500	St. Cu	4	A. Cu	8	*
E. Farnborough	1023·7	0	SSW	1	0+	64	75	7	4000	St. Cu	1	A. Cu	9	*
London (Kew Obsy.)	1023·7	0	WSW	3	C	66	75	8	4000	St. Cu	4	A. Cu	7	*
Croydon	1023·9	-1	SSW	3	bc+	62	85	7	4000	St. Cu	4	A. Cu	6	*
Cleeton-on-Sea	1023·6	-1	SSW	3	bc	63	85	6	-	-	0	A. St	4	0
Shoeburyness	1024·2	-1	SW	2	b	62	85	6	-	-	0	A. Cu	3	*
Orsin	1024·1	0	S	3	b	62	85	7	-	-	0	A. Cu	3	0
Lympne	1026·1	0	SSW	2	0	59	97	6	225	St.	7	A. Cu	9	*
Scilly (St. Mary's)	1023·2	-1	SIE	1	C+	55	92	8	4000	St. Cu	4	A. Cu	8	1
Falmouth (Pendennis)	1023·5	0	SW	1	bc/f	55	92	7	4000		4	Ci. Cu	6	0
Plymouth (Cattewater)	1024·1	-1	SW	1	0-	56	85	7	1500	St.	9	A. Cu	10	0
Portland Bill	1024·9	-2	S	2	f0+	59	85	1	450	St.	10	-	10	1
Southampton (Calshot)	1024·4	-1	WⁱS	3	0+	61	92	6	5700	St. Cu	4	A. Cu	9	0
Dungeness	1024·8	-1	SW	1	b/f	61	92	8	-	-	0	A. Cu	3	2
Jersey	1023·8	-1	SSE	2	b	68	75	8	-	-	0	A. Cu	2	0

23·8/.

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. Day.	Rainfall. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 22ND								YESTERDAY.		TO-DAY.
Kew	om. c	c	ac. fw	*	*	49	-	-	4·0	*	*
Croydon } 24 hours ended 0700	o. cm	c. bc	bc. owf	*	*	49	-	Tr.	3·1	*	*
Greenwich (Royal Obsy.)	0	c. bc	c. pmb	73	54	45	-	-	4·4	60	84
City (Bushill Row)	*	*	*	*	*	*	*	*	3·3	*	*
Westminster (St. James' Pk.)	*	*	*	71	54	*	-	-	3·5	64	84
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	2·8	*	*
Camden Square	0	b	*	72	54	53	-	-	*	*	94
Kensington Palace	0. bc	bc	*	71	56	52	-	-	*	73 (18h)	90
Hampstead Observatory	*	*	*	69	55	51	-	Tr.	3·5	*	100

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T.

South Kensington	Max.	Time	Min.	Time
	1·0	19h. 20m	0·3	1-4h. 21m
	1·0	8h. 21m		

Kew Observatory	Max.	Time	Min.	Time
	0·6	2h. 20m	0·3	22h. 20m
	0·5	8h. 20m		-1h. 21m

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..... joules

Average Rate ..... Milliwatts.

Maximum Rate ..... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 21st 19 h. 0 m. to 22ND 5 h. 0 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	10 0	4 0	40
δ Ursae Minoris	10 0	2 58	30

RADIO DISTURBANCES (Atmospherics) AT CROYDON.‡

Time	Type.	No. per ½ sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

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

22ND & 23RD SEPT., 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·40	11·46	5·52
	5·41	11·45	5·49
Greenwich	5·44	11·53	5·59
	5·48	11·52	5·56
Wick	5·54	12·5	6·12
	5·59	12·4	6·9
Valencia	6·28	12·34	6·40
	6·29	12·33	6·37

BEAUFORT NOTATION OF WEATHER.

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

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

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

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

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

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 5.

M.O. Form 2370.

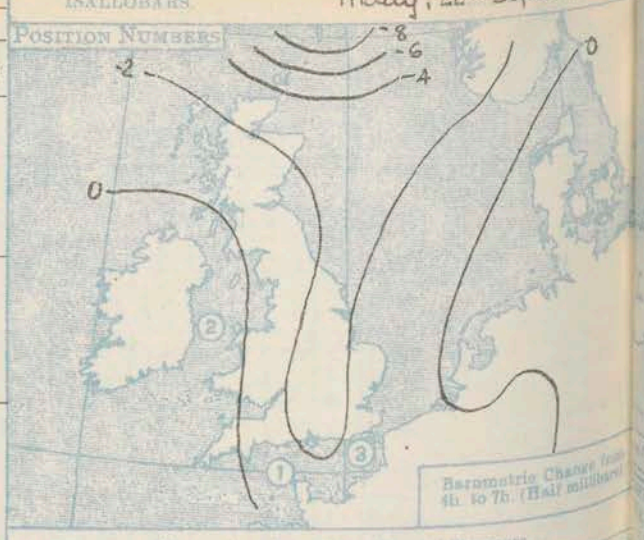
Page

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. Hours.
Lerwick	p	b.bc	p	p	61	43	•	0.2	1	L0800	22.00	•
Stornoway	c	bc	b. bc	c	55	43	•	–	0.4	–	•	4.1
Wick	c	b.bc	b. bc	c	53	38	•	–	–	–	•	•
Castlebay	oc	cb	b	bc	54	46	•	–	–	–	•	6.0
Nairn	cg	bc	bcx	bc	56	33	•	–	–	–	•	4.5
Aberdeen	om.o	ocbc	b. bmw	bmw	54	34	28	–	–	–	•	1.2
Malin Head	Mdov	cov	b. bc	b. bc	51	41	•	2	–	–	•	0.4
Renfrew	or.m	03.0	bffx	bfe	54	31	24	1	–	L0800	•	0.2
Edinburgh (Inchkeith)	ir.	oo	b. bc	f.m	52	42	34	0.3	Trace	–	•	0.2
Leuchars	or.	oo	fm		55	34	29	0.1	–	0900	•	0.1
Eskdalemuir	oid.o	oir.	oid.o	ofe bc	48	38	35	3	0.1	L0800	<21.00	0.0
Tynemouth	rrm	orrm	omrrm	orrm	50	41	46	13	11	L0800	<21.00	•
Blacksod Point ...							•					•
Donaghadee	r.r.	omr	omr	bc	51	49	•	4	1	L0800	<21.00	•
Birr Castle	c	coDd	oDD	oDD	64	50	50	0.4	4			
Collinstown	oo	od.o	d. rd.	od.	65	49	*	0.2	1	1330	<21.00	0.1
Holyhead	oo	oco	od.d.r.	ood.	62	51	50	–	0.2	–	<21.00	1.4
Liverpool (Bidston) ...	bco	c	fm		64	54	45	–	•	–	•	0.4
Chester (Shotwick) ...	cmgbco	ocbc	bc b.om	c.og	68	46	39	–	–	–	•	•
Spurn Head	c	c	c	oo	65	53	•	–	–	–	•	2.6
Nottingham	c	c	om	f.m	64	49	44	–	–	–	•	3.3
Cranwell	bcdmc	or.o	mm	FE	68	51	44	–	0.1	–	06.30	5.8
Gorleston	bcc.	c	b. bc.c	cm	41	55	51	–	–	–	•	8.4
Valencia (Cahirciveen)												
Roches Point							•					•
Pembroke (St. Ann's H.)	ff.o	off.o	c	oo	58	50	•	–	–	–	•	0.0
Ross-on-Wye	ocobc	bccoc	c. bw. bc	cm.o	70	50	48	–	–	–	•	4.4
Benson...	oc	bcc	bc.c	ofe	71	49	43	–	–	–	•	
Andover	omcbc	bcc	o.bom		69	35	31	–	–	–	•	5.5
S. Farnborough ...	omc	bo	omw.		72	56	53	–	–	–	•	3.4
London (Kew Obsy.) ...	omc	c	o.c. omw	ofw. bofm	71	55	49	–	–	–	•	4.0
Croydon	ocm	cbc	b. bcw	owfm.c	70	55	49	–	Trace	–	•	3.1
Clacton-on-Sea ...	oc3	cbc3	bc3. b	b. bcm	66	55	50	–	–	–	•	4.6
Shoeburyness		c	bpfe		69	50	44	–	Trace	–	1.30	4.0
Grain	o	ocbcb	o.c.cr		69	51	46	–	–	–	•	5.4
Lympne	f.o.m	form	of	of	62	54	52	0.3	0.3	–	24.00	0.5
Scilly (St. Mary's) ...	f.o	oc	oo	ogm	54	53	•	–	–	–	–	1.6
Falmouth (Pendennis)	ff.o	ocbc		omc	59	51	•	–	–	–	–	3.1
Plymouth (Cattewater)	r.ord	odm	of	od.of	61	55	51	Trace	0.1	1230	<21.00	0.5
Portland Bill	f.o.m	form	f.m	oo	61	54	•	–	–	–	•	•
Southampton (Calshot)	focomo	c	r.d	off	66	56	56	Trace	0.4	L0800	<21.00	5.2
Dungeness	1F.	form	fm	f/p	62	58	•	–	0.5	–	24.30	•
Jersey	bmF	b	b.bc	o	72	56		–	–	–	•	8.6

ISALLOBARS.

Friday, 22nd September 1922



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	21st 1000	"Cambria"	SW	4	bc	60	56
1	" 1100	"Ibex"	SW	1	b	61	59
3	22nd 0200	"Brighton"	W	1	b	61	60

GENERAL INFERENCE.

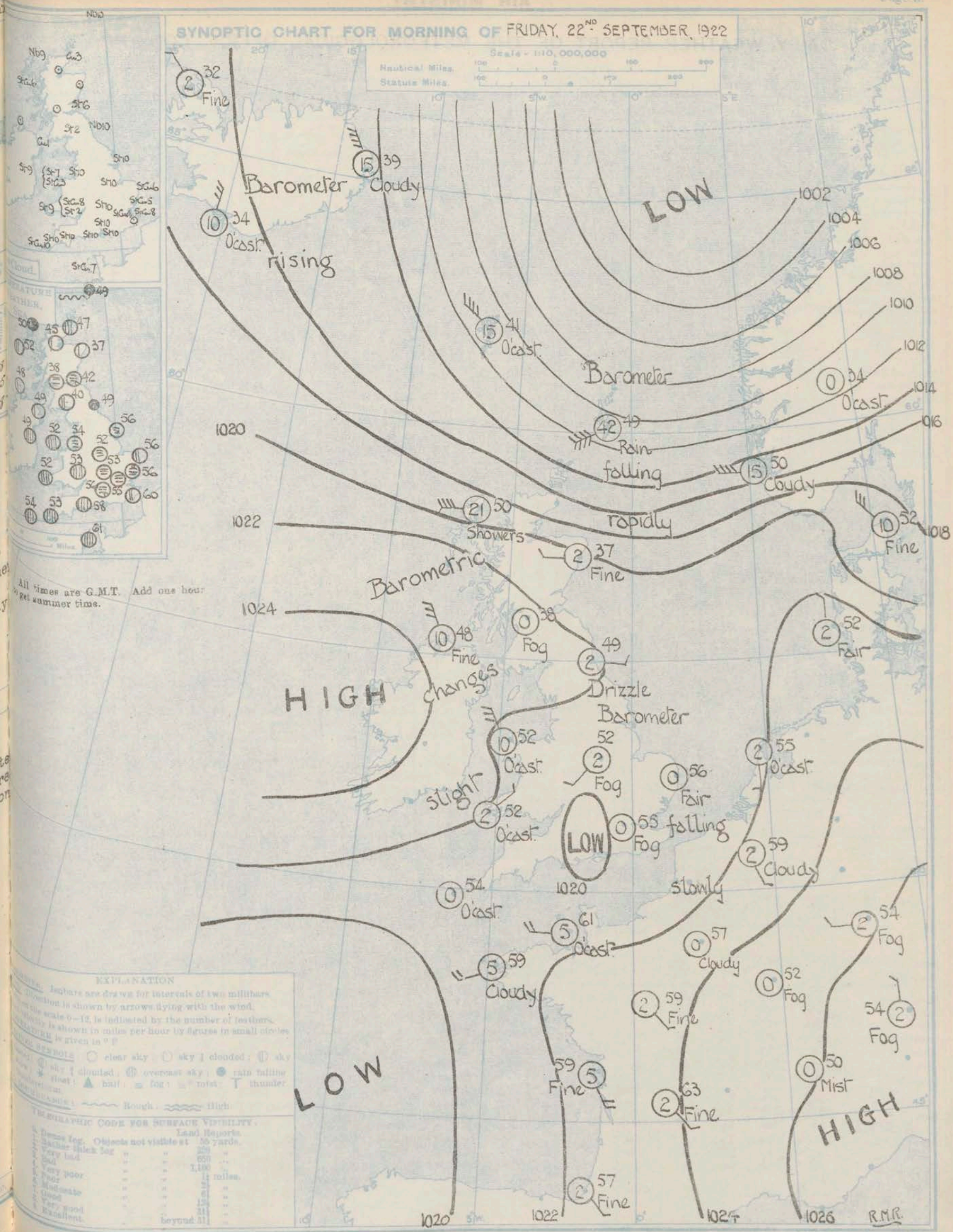
Over the Midlands and Southern England shallow lows may cause local thundery rains but considerable fair periods are probable in most districts with a moderate temperature. Further west and north mainly fair weather is likely with a rather low temperature though fresh westerly winds and some rain will occur in the extreme North.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Friday, 22nd September 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light variable breezes; considerable fair periods probable but risk of local thundery rains; morning mist or fog; moderate temperature.	Indications rather indefinite but point to more settled condition
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light or moderate winds mainly between NW & NE; mainly fair; morning mist or fog in places; rather cold.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind W to NW, fresh; variable cloud, some rain or showers; visibility mainly good, cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light variable wind; mainly fair; visibility good apart from local morning mist; day temperature rising.	

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 MORNING OF FRIDAY, 22ND SEPTEMBER, 1922
Scale - 1/10,000,000
Nautical Miles.
Statute Miles.
LOW
Barometer rising
Barometer falling rapidly
Barometric changes slight
Barometer falling slowly
HIGH
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
All times are G.M.T. Add one hour for Met summer time.
EXPLANATION
THERMATIC CODE FOR SURFACE VISIBILITY.
R.M.R.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. FRIDAY, 22nd September 1922. No. 265.

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	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1016·3	-1	WSW	4	b-	44	92	4	-	-	0	A St	2	•
Stornoway	1022·0	0	-	0	b-	•	•	6	•	•	•	•	•	•
Wick	1020·4	-1	SW	2	b+	42	92	8	800	St	1	-	1	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1023·6	+1	N	2	b	50	85	8	-	-	0	A Cu	3	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1023·2	+1	SW	1	b	46	85	5	·	-	0	-	0	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1023·8	-1	SE	2	od d	44	94	6	4000	Nb	10	-	10	•
Blacksod Point														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1023·2	-1	N	2	od u	51	94	5	1500	St	[illegible]		10	•
Holyhead	1021·5	0	SSW	3	o r	55	97	6	<150	St	10	·	10	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1022·8	0	E	2	o	55	92	4	-	-	0	A St	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1022·4	0	E	2	mmo	53	94	4	1500	St	10	-	10	•
Gorleston	1022·4	0	WSW	2	o+	54	92	4	1500	St	9	-	9	•
Valencia (Cahirciveen)														
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1022·8	0	NE	1	c	54	92	8	1500	St	4	-	4	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	54	•	•	•	•	•	•	•	•
Croydon	1022·8	-2	SW	1	c	54	94	4	5400	St Cu	4	A Cu	4	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1023·1	-2	SSE	2	o	58	94	4	1500	St	4	A St	10	•
Scilly (St. Mary's)	1022·2	-1	-	0	o	54	92	8	4000	St Cu	10	-	10	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1022·6	-2	SW	2	FFo	54	85	0	<150	St	10	-	10	•
Southampton (Calshot)	1022·5	-2	ESE	1	o f r	58	94	6	800	St	10	-	10	•
Dungeness	1022·4	-3	WSW	2	bc	60	94	6	4000	Cu Nb	6	-	6	•
Jersey - 7h / Guernsey 1h	1022·1	-1	SSW	3	b	62	75	8	5400	St Cu	2	·	2	•

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	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1011·2	-10	WSW	8	orr	49	94	6	2600	Nb	10	-	10	4
Stornoway	1018·4	-1	W	5	opr	50	92	6	800	Nb	9	·	9	3
Wick	1014·3	-3	SW	5	c r	47	75	8	4600	Cu	3	A Cu	8	3
Castlebay	1022·6	-1	W	4	bc	52	75	4	2500	St Cu	6	-	6	3
Nairn	1020·2	•	-	0	b-	45	75	8	-	-	0	A Cu	3	•
Aberdeen	1021·6	-1	W	1	b	34	92	6	-	-	0	Ci St	1	0
Malin Head	1023·4	0	NNW	3	b	48	92	8	-	-	0	A Cu	3	4
Renfrew	1023·5	0	-	0	FFb	39	94	1	-	-	0	-	0	•
Edinburgh (Inchkeith)	1021·3	-1	WSW	3	bcm	42	94	5	•	St	6	-	6	2
Leuchars	1022·6	-1	WSW	1	b-	35	94	6	-	-	0	A Cu	1	•
Eskdalemuir	1022·9	-1	SE	2	bcf	40	94	8	800	St	2	Ci	5	1
Tynemouth	1022·0	0	E	1	[illegible]	49	94	5	4000	Nb	10	-	10	
Blacksod Point														
Donaghadee	1020·1	0	NE	2	b	49	85	8	4000	Cu	1	Ci Cu	3	0
Birr Castle	1023·0	•	ENE	1	ODD	51	97	6	225	St	10	-	10	•
Collinstown	1023·4	+1	ENE	1	o	49	94	5	1500	St	9	A St	10	1
Holyhead	1022·9	+1	NNW	2	r	52	97	4	1500	St	4	-	10	2
Liverpool (Bidston)	1021·0	0	W	2	FFo	54	97	1	<150	St	10		10	•
Chester (Shotwick)	1020·0	0	-	0	o	54	94	4	1500	St	10	-	10	
Spurn Head	1020·2	-2	E	1	ffo	56	92	3	450	St	10	-	10	3
Nottingham	1020·6	•	SW	1	fo-	52	94	1	450	St	10	-	10	•
Cranwell	1021·2	-1	W'N	2	FFo	52	94	1	225	St	10	-	10	•
Gorleston	1020·6	-2	-	0	bc-	56	94	5	4000	St Cu	6	-	6	0
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1022·0	-2	NE	1	o	52	92	4	1500	St	9	-	9	2
Ross-on-Wye	1021·0	-1	NW'N	2	o	55	92	6	800	St Cu	10	-	10	•
Benson	1020·1	-2	-	0	FFo	53	94	1	•	St	10	-	10	•
Andover	1020·2	-2	ENE	1	mmo	56	94	5	1500	St	10	-	10	•
S. Farnborough	10~~20~~·1	-2	-	0	mmo	56	94	4	225	St	10	-	10	•
London (Kew Obsy.)	1020·4	-0·2	-	0	fbc-	55	92	6	2500	St Cu	4	-	4	•
Croydon	1020·6	-2	SE'S	1	cff	54	94	5	4000	St Cu	4	Ci	8	•
Clacton-on-Sea	1021·1	-1	W	2	mc-	56	92	5	7000	St Cu	5	A Cu	4	0
Shoeburyness	1020·8	-2	-	0	bcff	56	92	5	4000	Cu	4	-	4	[illegible]
Grain	1020·9	-1	-	0	mmc	54	94	3	2500	St Cu	8	-	8	0
Lympne	1021·2	-1	SE	2	ffo	59	94	2	<150	St	10		10	•
Scilly (St. Mary's)	1021·5	+1	-	0	o	54	94	6	4000	St Cu	10	-	10	2
Falmouth (Pendennis)	1021·5	-1	-	0	o	55	92	5	2500	St	10	-	10	0
Plymouth (Cattewater)	1020·9	-1	-	0	od	54	94	5	<150	St	10	-	10	0
Portland Bill	1020·5	-3	-	0	cfm	58	85	6	450	St	10	-	10	0
Southampton (Calshot)	1019·3	-2	-	0	ffo	54	94	2	<1500	St	10	-	10	0
Dungeness	1020·9	-2	-	0	fbc	60	94	6	-	-	0	Ci	4	2
Jersey - 7h / Guernsey 1h	1020·4	-1	W	2	o	61	85	8	4000	St Cu	4	A Cu	9	2

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

Stations	Weather Forenoon	Weather Afternoon	Temp. Min. Night 20th-21st °F.	Temp. Max. Day 21st °F.	Rainfall† Night 17h.-9h. 20th-21st mm.	Rainfall† Day 9h.-17h. 21st mm.	Sunshine Sunrise to 17h. 21st hr.	Sunshine Sunrise to Sunset 20th hr.
Banff	oc	bc	45	55	-	-	3·4	4·8
Montrose	*	*	47	55	-	-	0·1	4·0
Llandudno	cb	oc	53	66	-	-	1·7	4·9
Colwyn Bay	bc	bc	58	69	-	-	4·1	3·3
Rhyl	cbc	bccbc	57	67	-	-	1·8	6·3
Southport	obcco	oco	55	63	0·3	-	0·3	4·5
Blackpool	o	co	55	61	3	-	0·1	3·1
Harrogate	o	oco	50	64	2	-	0·2	6·3
Skegness	bc	c	53	69	-	-	5·6	7·4
Aberystwyth	oco	co bco	58	62	-	-	1·0	7·5
Bath	bcb	b.bc	51	70	-	-	7·9	10·2
Leamington Spa	cb	cb	55	70	-	-	2·7	8·3
Lowestoft	bcbbc	b.bcc	52	70	-	-	8·4	9·5
Felixstowe	o	c	53	69	-	-	3·0	10·4
Southend	oc	bcb	54	70	-	-	3·8	10·0
Paignton	obcc	o	57	64	-	-	0·7	8·4
Ilfracombe	bc	bccf	59	64	1	-	6·7	6·7
Bude	o	mo	48	65	-	-	6·5	1·9
Penzance	of	cobc	57	67	-	-	1·5	0·0
Falmouth Observatory	cF	FcF	56	59	-	-	2·6	0·3
Torquay	c	b	57	63	-	-	2·0	8·0
Weymouth	fe	cf	58	66	-	-	0·7	8·2
Bournemouth	ocb	bo	56	68	-	-	3·6	8·3
Portsmouth (S'thsea)	obcb	b.bc	57	69	-	-	5·1	8·6
Worthing	fe	fo	57	62	-	-	0·0	7·9
Brighton	d	domc	57	61	0·1	0·1	0·0	7·8
Eastbourne	dm	c	60	65	Trace	-	2·9	7·0
Hastings	ffdo	focb	55	62	0·3	0·1	0·0	8·2
Folkestone	f	bc	55	62	-	-	0·7	8·8
Tunbridge Wells	omo	bcb	53	69	-	-	3·1	9·9
Ramsgate	obcb	b	54	68	-	-	4·9	10·6
Margate	c	b	54	70	-	-	5·1	10·2
Deal	obc	b	54	67	-	-	3·5	9·9

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22,20 (corrected from 22,219) SATURDAY, 23rd SEPTEMBER 1922. Page 1.

Observations at 1300 G.M.T. 22nd

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1014.8	+5	WNW	5	bc/r	49	97	7	4000	Cu	6	-	6	•
Stornoway	1020.5	+2	NW	3	c--	54	75	6	4000	Cu	7	-	7	•
Wick	1018.9	+2	WNW	2	bcpr$_o$	53	65	8	4000	Cu	6	-	6	•
Castlebay	1022.9	0	W	4	c	56	85	7	4000	St.Cu	7	-	7	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1020.8	0	W'N	3	o+	58	55	8	4000	Cu	9	-	9	•
Malin Head	1024.2	+2	NW	3	b	54	85	8	4000	Cu	1	-	1	•
Renfrew	1023.4	0	WNW	3	bc+	55	97	9	4000	St.Cu	5	-	5	•
Edinburgh (Inchkeith)	1022.0	-1	W	3	b/f	54	65	7	-	-	0	-	0	•
Leuchars	1021.5	-1	W	3	b	59	55	8	5700	Cu	1	-	1	•
Eskdalemuir	1021.9	0	W/N	2	b	57	45	8	-	-	0	-	0	•
Tynemouth	1022.0	0	NE	1	b/r	53	92	7	4000	Cu.Nb	3	-	3	•
Blacksod Point														•
Donaghadee	1023.7	+1	NE	2	b	55	65	8	-	-	0	-	0	•
Birr Castle	1024.2	•	NE	1	c/r	56	85	8	4000	St.Cu	7	-	7	•
Collinstown	1025.0	0	NE	2	bc	55	85	7	2500	Cu	5	-	5	•
Holyhead	1023.4	+1	NNE	3	b	56	75	8	4000	Cu	2	A.St	3	•
Liverpool (Bidston)	1022.3	+1	WNW	3	c+	55	85	6	1500	Cu.Nb	8	-	8	•
Chester (Shotwick)	1021.3	+1	WNW	4	o	58	75	7	4000	St.Cu	9	-	9	•
Spurn Head	1020.9	0	NW	5	bc-	57	85	7	2500	Cu	6	?	6	•
Nottingham	1020.6	•	NNW	2	o	62	75	6	800	Nb	10	-	10	•
Cranwell	1021.1	0	NW'N	3	om	60	85	5	1500	St.Cu	7	A.Cu	10	•
Gorleston	1020.0	-1	NNW	3	cf	64	75	2	-	-	0	Ci.Cu	7	•
Valencia (Cahirciveen)	1024.3	0	WNW	2	fo+	58	97	3	800	St	10	•	10	•
Roches Point														•
Pembroke (St. Ann's H.)	1023.1	+2	NW	2	od$_o$	56	92	5	800	St.	10	-	10	•
Ross-on-Wye	1020.7	0	NNW	2	bc+	64	65	8	4000	Cu	6	-	6	•
Benson	1019.3	0	NNE	2	c/f	66	75	7	-	Cu	6	Ci	7	•
Andover	1020.5	0	N	3	o	63	75	7	2500	St.Cu	10	-	10	•
S. Farnborough	1020.0	0	NW	2	o/f	62	85	6	800	St.	10	-	10	•
London (Kew Obsy.)	1019.7	0	N'W	2	o/f	63	75	6	2500	St.	10	-	10	•
Croydon	1019.8	-0	N'E	1	ffb	62	85	4	450	St.	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1019.5	-1	NNE	2	o	65	85	6	1500	St.	10	-	10	•
Grain	1019.4	0	NNE	1	mmo	62	85	5	800	St.	10	-	10	•
Lympne	1018.9	-4	WSW	2	bc	67	85	6	1500	St.	4	Ci.St	6	•
Scilly (St. Mary's)	1023.2	+2	ENE	1	c-	59	85	7	4000	St.Cu	8	-	8	•
Falmouth (Pendennis)	1022.7	+2	-	0	o	56	92	6	2500	St.	10	-	10	•
Plymouth (Cattewater)	1022.0	+1	-	0	o	57	92	7	1500	St.	10	-	10	•
Portland Bill	1020.5	0	-	0	o+	58	97	6	450	St.	10	-	10	•
Southampton (Calshot)	1020.2	+0	N'W	3	o/f	62	85	6	2500	St.	10	-	10	•
Dungeness	1019.4	-2	SW	3	b+	65	85	8	-	-	0	Ci.Cu	3	•
Jersey	1022.3	+1	W	5	o	60	92	8	4000	St.Cu	10	-	10	*

Observations at 1800 G.M.T. 22nd

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1017.1	+3	NW	4	bc+	45	75	7	7250	St.Cu	2	A.St	4	3
Stornoway	1021.9	+1	NNW	3	b	48	85	7	4000	Cu	3	-	3	2
Wick	1019.9	0	NW	2	cpr$_o$	50	92	8	2500	Cu.Nb	7	Ci	8	0
Castlebay	1023.6	+1	NW	3	o	52	75	7	2500	St.	9	-	9	3
Nairn	1021.2	•	—	0	bc+	53	75	8	4000	Cu	5	-	5	•
Aberdeen	1021.8	+1	-	0	c	52	75	7	2500	Nb	9	-	9	0
Malin Head	1024.3	+1	NW'W	3	bc	53	97	8	4000	Cu	4	-	4	3
Renfrew	1023.2	0	WNW	1	b	53	75	8	4000	St.Cu	3	-	3	•
Edinburgh (Inchkeith)	1021.7	-1	WNW	3	bc	55	75	7	-	St.Cu	4	-	4	2
Leuchars	1021.8	+1	NW	1	bc	54	75	8	4000	St.Cu	5	-	5	[illegible]
Eskdalemuir	1023.2	+1	-	0	b	50	75	7	-	-	0	-	0	•
Tynemouth	1022.1	0	S	2	b	51	92	8	-	-	0	-	0	0
Blacksod Point														
Donaghadee	1023.8	0	NNE	1	b	53	75	7	-	-	0	Ci.Cu	2	2
Birr Castle	1023.6	•	E	1	bc-	53	85	8	4000	St	2	A.Cu	6	•
Collinstown	1025.1	0	—	0	bc	51	92	7	-	-	0	Ci.St	5	•
Holyhead	1023.3	0	N'E	3	b	53	85	9	-	-	0	A.St	3	1
Liverpool (Bidston)	1022.6	0	NW'W	2	b	53	85	8	-	-	0	-	0	3
Chester (Shotwick)	1021.3	-1	WNW	3	b	52	85	7	-	-	0	Ci	2	•
Spurn Head	1022.3	+2	N	5	o	53	85	7	4000	St.Cu	9	-	9	4
Nottingham	1022.0	•	E	2	b	54	85	7	1500	Nb	1	-	1	•
Cranwell	1022.2	+2	NE'N	3	o	53	92	6	1500	St.	10	-	10	•
Gorleston	1020.3	0	NNW	4	o+	56	85	6	2500	Nb	10	-	10	0
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1022.5	-2	NE	3	bc	55	85	8	4000	St.Cu	3	Ci	5	2
Ross-on-Wye	1021.4	0	NE	2	bc-	58	85	7	4000	St.Cu	2	Ci.Cu	6	•
Benson	1021.6	0	NNE	4	bc	61	75	8	-	Cu	5	-	5	•
Andover	1020.3	0	NE	3	b	59	85	7	2500	St.Cu	1	Ci.St	2	•
S. Farnborough	1020.1	0	—	0	c+	60	85	6	2500	St.	3	A.Cu	7	•
London (Kew Obsy.)	1020.4	0	N	2	b	63	75	6	4000	St.Cu	2	-	2	•
Croydon	1020.2	0	—	0	o+	59	85	5	800	St.	10	-	10	•
Clacton-on-Sea	1019.9	+1	NNE	1	o	62	85	6	-	St.Cu	10	-	10	0
Shoeburyness	1020.2	0	NE	2	o	62	85	6	2500	St.	10	-	10	•
Grain	1020.2	+1	N	3	mmo	62	85	5	1500	St.	10	-	10	0
Lympne	1019.6	+1	N	3	o	62	85	6	4000	St.Cu	10	-	10	•
Scilly (St. Mary's)	1021.9	-1	NE'E	1	o	56	85	8	4000	St.Cu	10	-	10	2
Falmouth (Pendennis)	1022.3	+3	NNE	2	o	58	85	6	1500	St.	9	-	9	0
Plymouth (Cattewater)	1020.5	0	SW?	2	b	58	92	7	4800	St.Cu	1	Ci.St	2	0
Portland Bill	1020.5	0	WNW	2	c-	58	85	6	-	-	0	A.St	7	0
Southampton (Calshot)	1020.2	-1	NNE	1	b	63	75	6	-	-	0	Ci	1	0
Dungeness	1019.1	0	E	1	c/f	62	92	6	1500	Cu	8	-	8	3
Jersey	1020.9	-1	WNW	4	o	60	85	8	4000	St.Cu	10	-	10	4

LONDON OBSERVATIONS. (Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 23rd)

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 / Croydon (24 hours ended 0700)	ofwoz	ozbz	bzoo	•	•	50	-	-	0.3	•	•
	cbom	omm	om	•	•	46	-	-	1.3	•	•
Greenwich (Royal Obsy.)	bzmo	opbzjp	o	66	52	48	-	-	1.9	74	85
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	•	•	•	68	54	*	-	-	0.0	68	83
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0.0	•	•
Camden Square	ow	c	•	67	52	49	-	-	•	•	93
Kensington Palace	bc	bc	•	66	53	44	-	-	•	66 (18h)	89
Hampstead Observatory	•	•	•	65	50	44	-	-	0.3	•	93

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

Station	Max.	Time.	Min.	Time.
South Kensington	0.6 / 1.3	19h-21st / 9h-22nd	<0.3	1-5h 22nd
Kew Observatory	0.4 / 1.0	19h-21st / 8h-22nd	<0.3	0-3h-22nd

SOLAR RADIATION. Vertical component per square centimetre. During yesterday. South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy. Exposure from 22nd 19 h. 0 m. to 23rd 5 h. 0 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10 0	3.5	6
δ Ursae Minoris	10 0	2.6	4

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

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

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 23rd & 24th SEPTEMBER, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.41 / 5.43	11.45 / 11.45	5.49 / 5.47
Greenwich	5.48 / 5.50	11.52 / 11.52	5.56 / 5.54
Wick	5.59 / 6.1	12.4 / 12.4	6.9 / 6.6
Valencia	6.29 / 6.31	12.33 / 12.33	6.37 / 6.35

BEAUFORT NOTATION OF WEATHER.

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

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

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

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

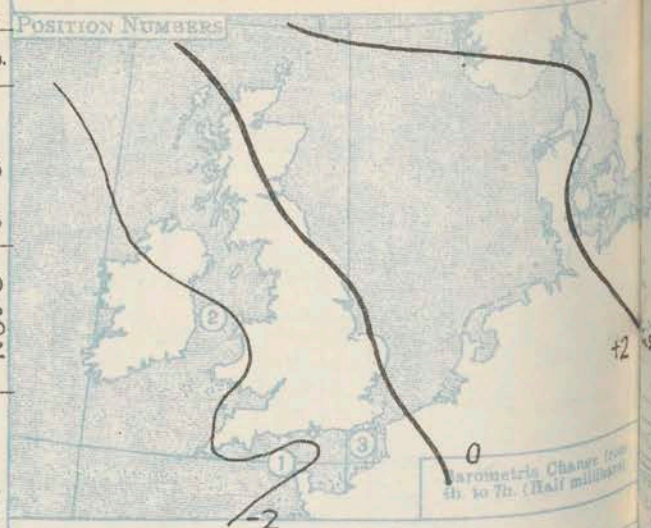
[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 22nd	13h.-18h. 22nd	18h. 22nd to 1h. 23rd	1h.-7h. 23rd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	p	b.bc	p	oo	51	39	•	6	0.1	<0800	<2100	•
Stornoway	p-	bc	c	c	56	32	•	2	-	-	-	6.1
Wick	omir₀	cop₀	c	oo	54	37	•	0.6	0.2	<0800	<2100	•
Castlebay	cocm	cmbco	o	o	56	46	•	-	-	-	-	5.3
Nairn	cirbc	bccg	box	bc	57	37	•	1	-	1230	-	7.1
Aberdeen	b.bco	bcop₀	opr₀b	bwm	59	43	34	Trace	trace	1730	<2100	7.5
Malin Head	b.bc	b.bc	b-bc	bem	55	42	•	-	-	-	-	10.1
Renfrew	b.ffeg	bcvb	cbcm	offe	58	33	27	Trace	trace	<0800	-	8.0
Edinburgh (Inchkeith)	f.orm	b.bc	b.bc	f m	58	47	38	-	-	-	-	8.6
Leuchars	b.bc	b.bcf	oo	oo	61	42	32	-	-	-	-	10.3
Eskdalemuir	bc.b.by	by	bbcex		59	31	27	-	-	-	-	10.2
Tynemouth	idom	b.bc	FFb	b-bcm	55	44	38	0.3	-	0900	-	•
Blacksod Point ...							•					•
Donaghadee	bc	b	b	bc	55	47	•	-	-	-	-	•
Birr Castle	codo	co	co	coz	60	41	34	0.3	-			
Collinstown	b.bc	b.bc	bcbbc	oo	57	39	•	-	-	-	-	6.7
Holyhead	bc	bcbv	bb	bccow	56	51	46	-	trace	-	-	8.2
Liverpool (Bidston) ...	dogbc	b.bc	f - m		57	46	39	-	-	-	-	5.0
Chester (Shotwick) ...	omd₀	ocbch	bbccm	off	58	38	32	Trace	-	<0800	-	•
Spurn Head	oo	c	b-bc	b.bc	58	48	•	-	-	-	-	0.7
Nottingham	oom	fc	bm	w	63	38	38	-	-	-	-	0.3
Cranwell	form	om	mm	om	61	37	31	-	-	-	-	1.3
Gorleston	c	f3c	oq	ocq	66	54	48	-	-	-	-	3.5
Valencia (Cahirciveen)	om		bc	o								
Roches Point							•					•
Pembroke (St. Ann's H.)	oo	c	c	oo	58	51	•	Trace	-	1230	-	1.3
Ross-on-Wye	bcocbbc	cbbcc	bwco	om	65	47	44	-	-	-	-	4.6
Benson...	ombc	bcb	bcb	bbcco	67	48	45	-	-	-	-	•
Andover	oo	ocbcb	bco		66	51	48	-	-	-	-	2.4
S. Farnborough ...	ofom	ombcc	cbccom	f-m	67	50	44	-	-	-	-	0.7
London (Kew Obsy.) ...	ofwo3	o3b3	bzoo	oocm	67	53	50	-	-	-	-	0.3
Croydon	cbom	omm	om	om	64	52	46	-	-	-	-	1.3
Clacton-on-Sea ...	com	om3	ozo	oc	63	52	47	-	-	-	-	2.8
Shoeburyness ...	bcmom	omcco	c	c	68	51	47	-	-	-	-	2.6
Grain	cfom	omom	omom	omid₀	65	54	53	-	trace	-	6.30	1.5
Lympne	f.orm	form	ocbc	bcow	69	52	48	trace	trace	-	6.30	7.1
Scilly (St. Mary's) ...	co	oo	omd₀	om	60	54	•	-	trace	-	6.30	0.4
Falmouth (Pendennis)	om	ocm		omd	59	55	•	-	0.2	-	1.30	1.8
Plymouth (Cattewater)	oo	b.bc	om	bcc	64	55	51	trace	2	<0800	3.30	3.4
Portland Bill	oo	c	oo	oo	60	51	•	-	-	-	-	•
Southampton (Calshot)	ofofm	c	c	oo	65	54	54	-	-	-	-	1.8
Dungeness ...	b.bc	form	oo	f-m	66	55	•	-	-	-	-	•
Jersey ...	o	oco	bod₀	od₀	62	54	•	-	0.6	-	2400	0.1

ISALLOBARS. 23rd Sept.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	22nd 1000	"Cambria"	NNE	4	bc	52	55
1	22nd 0200	"Weymouth"	W	3	o/f	57	59

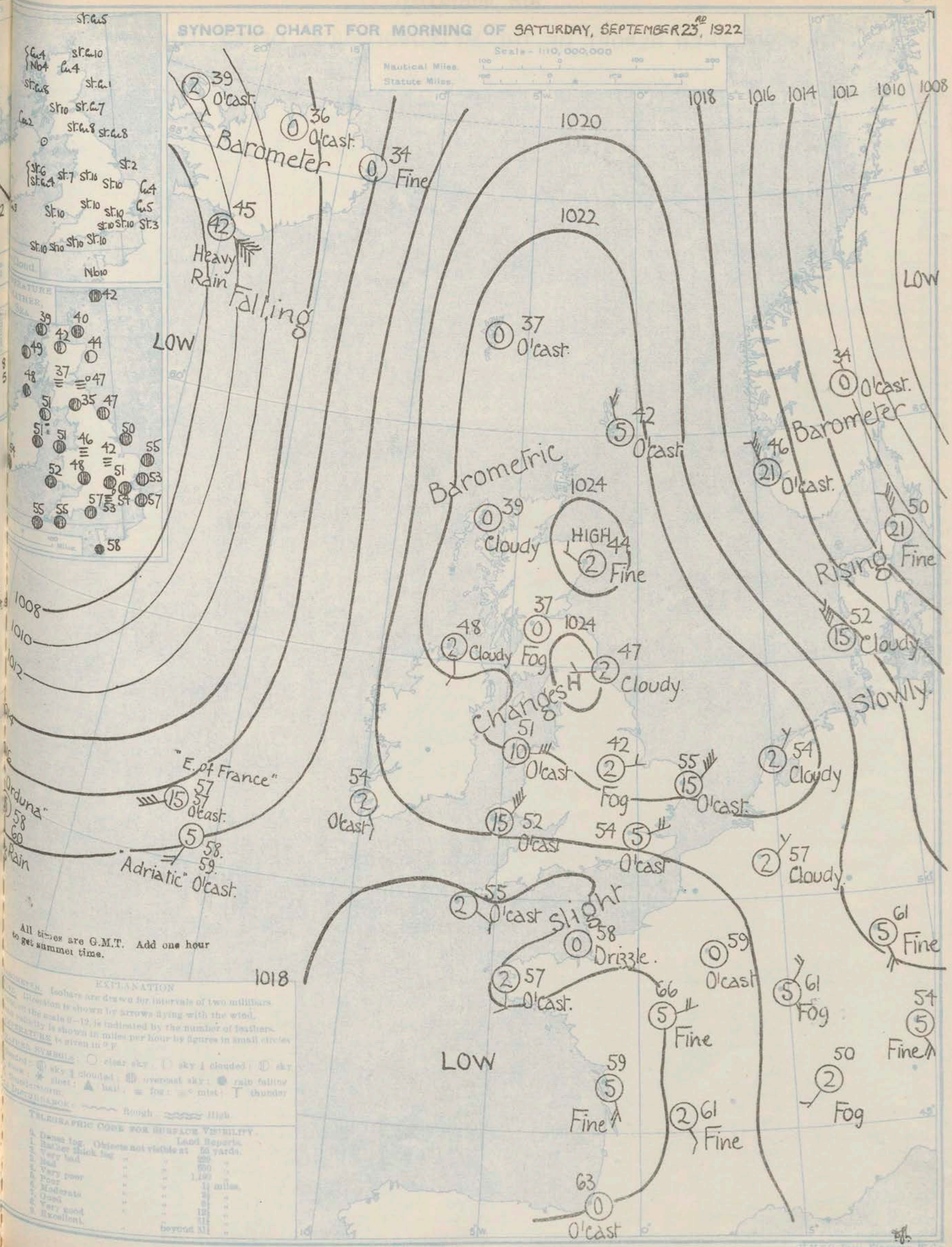
GENERAL INFERENCE.

An anticyclone covering the British Isles will cause mainly fair quiet weather in most districts with a moderate day temperature but a depression approaching from the Atlantic will cause a freshening of the wind from S or SW in the extreme western and northwestern districts with rain later.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Saturday, 23rd September 1922.	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	Wind mainly E to SE, light or moderate: mainly fair; some mist early inland; moderate day temperature, cool at night.	Mainly fair for a day or two over England
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind indefinite, then S to SW, light or moderate; fair or cloudy; local mist inland at night; moderate day temperature.	
14. N.E. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind freshening from S or SW; cloudy to dull, rain later; visibility moderate; moderate temperature	
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 0900 hrs. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page


SYNOPTIC CHART FOR MORNING OF SATURDAY, SEPTEMBER 23rd, 1922
Scale - 1:10,000,000
Nautical Miles
Statute Miles
1020
1022
1024
1018
1016
1014
1012
1010
1008
LOW
HIGH
Barometer
Falling
Heavy Rain
Barometric
Changes
Rising
Slowly
"E. of France"
"Orduna"
"Adriatic"
Rain
Slight
Drizzle
Cloudy
Fog
Fine
O'cast
All times are G.M.T. Add one hour to get summer time.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. SATURDAY 23rd September 1922. No. 266.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1020.5	+3	NNW	3	bcpr	44	65	7	4000	CuNb	4	-	4	•
Stornoway	1024.5	+2	•	0	co	•	•	5	•	•	•	•	•	•
Wick	1022.6	+2	W	1	bc	37	97	8	2500	CuNb	6	•	6	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1023.9	-1	SSW	2	b	44	97	8	4000	Cu	1	-	1	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1022.8	0	W	2	mmb	48	97	6	•	•	0	•	0	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1023.2	0	W	1	b|f	47	85	6	-	-	0	-	0	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1024.8	-1	-	0	bc+	46	97	7	1500	St	5	-	5	•
Holyhead	1022.0	-2	NE	3	b-	53	92	8	•	•	0	ASt	2	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1023.1	0	NW	2	bc	54	92	7	1500	St	5	-	5	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1024.0	+1	NE'N	1	mmb	41	97	5	•	-	0	-	0	•
Gorleston	1021.6	+1	N'E	4	0	55	85	7	4000	Nb	10	•	10	•
Valencia (Cahirciveen)	1021.9	-1	SW'S	1	b	57	97	8	-	•	0	-	0	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1021.4	-2	ENE	3	c+	54	85	8	4000	StCu	7	•	7	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	54	•	•	•	•	•	•	•	•
Croydon	1022.4	0	NE'N	2	0	53	92	6	1500	St	10	•	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness... ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1021.7	+2	N'E	3	b-	52	92	7	-	-	0	-	0	•
Scilly (St. Mary's) ...	1019.5	-2	NE'E	2	0	56	97	7	4000	StCu	10	•	10	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1020.5	0	ENE	5	0+	57	85	6	5700	St	10	•	10	•
Southampton (Calshot)	1021.2	-1	ENE	3	0+	56	92	7	2500	St	10	•	10	•
Dungeness	1021.3	+2	E	3	0	57	92	7	•	•	0	ASt	10	•
Jersey (7h)	1020.8	-1	SE	2	0	56	97	6	1500	St	10	•	10	•
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1022.4	+3	NNW	2	0+	42	75	7	4000	StCu	5	ASt	10	1
Stornoway	1022.9	0	•	0	c	39	97	6	4000	Cu	8	•	8	0
Wick	1023.2	+1	W	1	0	40	97	8	5700	StCu	10	•	10	0
Castlebay	1022.5	-1	NE	2	c-	49	75	8	2500	StCu	8	•	8	1
Nairn	1023.5	•	•	0	bc	42	92	8	4000	Cu	4	ACu	5	•
Aberdeen	1024.1	0	WNW	1	b	44	92	6	4000	StCu	1	-	1	0
Malin Head	1021.5	-2	S	1	c+	48	97	8	5700	Cu	2	CiCu	8	3
Renfrew	1023.5	0	•	0	FFo	37	97	1	450	St	10	•	10	•
Edinburgh (Inchkeith)	1023.1	+1	•	0	mc+	47	97	6	•	StCu	7	•	7	0
Leuchars	1023.3	0	E	1	0	48	92	8	1500	StCu	10	•	10	•
Eskdalemuir	1024.2	0	NNW	1	c	35	97	8	2500	StCu	2	Ci	8	•
Tynemouth	1023.7	0	W	1	c+	47	92	6	4000	StCu	8	•	8	0
Blacksod Point ...														
Donaghadee	1021.9	-1	NE	1	bc+	51	85	8	•	•	0	CiCu	5	0
Birr Castle	1020.5	•	E	1	c+	42	97	6	4000	StCu	6	CiCu	8	•
Collinstown	1022.0	-3	E	2	0	51	97	6	1500	St	10	•	10	•
Holyhead	1020.8	-2	E	3	0	51	92	7	4000	St	7	ASt	10	0
Liverpool (Bidston) ...	1022.2	0	SE	1	FFo	46	97	1	450	St	10	•	10	2
Chester (Shotwick) ...	1021.0	-1	SSE	1	Fo+	45	97	2	450	St	10	•	10	•
Spurn Head	1023.6	0	N'W	3	0⊕	50	92	6	2500	St	2	Ci	9	3
Nottingham	1022.8	•	E	1	FFo	42	97	1	450	St	10	•	10	•
Cranwell	1023.5	-1	NNE	2	imo	45	97	5	1500	St	10	•	10	•
Gorleston	1022.0	+1	NE	4	0+	55	85	7	4000	Cu	4	CiSt	10	1
Valencia (Cahirciveen)	1019.2	-2	SE	1	0	54	85	8	-	StCu	9	•	9	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1020.0	-2	NE	4	0	52	85	6	1500	St	10	•	10	2
Ross-on-Wye	1021.7	-1	E'N	1	0	48	92	6	800	St	10	•	10	•
Benson...	1020.9	0	NE	2	0	51	92	6	1500	St	10	•	10	•
Andover	1020.7	-1	E	3	0	52	97	6	800	St	10	•	10	•
S. Farnborough ...	1020.7	-1	NE	2	mmo	53	92	4	800	St	10	•	10	•
London (Kew Obsy.)...	1021.6	-1	ENE	2	0	54	85	6	2500	St	10	•	10	•
Croydon	1021.4	0	ENE	3	0	53	92	6	450	St	10	•	10	•
Clacton-on-Sea ...	1021.4	0	NNE	3	c	53	92	7	1500	Cu	5	ASt	8	0
Shoeburyness... ...	1021.1	-1	WNW	2	0	55	85	6	1500	St	10	-	10	•
Grain	1021.1	0	NNE	4	od	55	92	7	1500	St	8	ASt	10	0
Lympne	1020.7	-1	NE	3	0	54	97	6	1500	St	5	ACu	10	•
Scilly (St. Mary's) ...	1017.8	-2	ESE	1	0	55	97	6	4000	StCu	10	•	10	2
Falmouth (Pendennis)	1019.1	-2	•	0	0r	55	97	6	1500	St	10	•	10	0
Plymouth (Cattewater)	1017.9	-1	S	1	0D	56	97	5	450	Nb	10	•	10	0
Portland Bill	1017.5	-3	ENE	6	0	57	85	6	450	St	10	•	10	4
Southampton (Calshot)	1020.1	-1	E'S	4	0	55	85	6	1500	St	10	•	10	0
Dungeness	1020.5	-1	E	2	c	57	92	7	1500	St	3	CiCu	8	3
Jersey (7h)	1018.2	-1	•	0	odd	58	97	5	1500	Nb	10	•	10	0
Guernsey 1h)														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 21st-22nd °F.	Temperature. Max. Day. 22nd °F.	Rainfall.† Night 17h.-9h. 21st-22nd mm.	Rainfall.† Day 9h.-17h. 22nd mm.	Sunshine. Sunrise to 17h. 22nd hr.	Sunshine. Sunrise to Sunset. 21st hr.
Banff	b.bc	bccog	32	57	-	-	6.6	4.4
Montrose	*	*	34	64	-	-	8.5	0.1
Llandudno	oc	cbb	49	56	1	-	4.5	2.3
Colwyn Bay ...	b.bc	b	53	57	3	-	3.8	5.7
Rhyl...	c	bc	52	57	1	-	4.0	2.3
Southport	bcb	b	53	58	1	-	7.7	0.3
Blackpool	c	bcb	54	60	0.3	-	7.0	0.1
Harrogate	o	ocb	47	56	4	-	2.8	0.2
Skegness	o	o	54	63	-	-	3.5	5.6
Aberystwyth ...	moc	o	54	60	-	-	0.7	1.3
Bath	b.bc	bcbbc	52	66	-	-	3.7	7.9
Leamington Spa ...	cbc	b3	54	65	-	-	4.8	2.7
Lowestoft	ocgc	cocbm	56	64	-	-	3.2	8.4
Felixstowe	cm	com	53	63	-	-	4.4	3.0
Southend	bcco	o	55	66	-	-	2.0	3.8
Paignton	oc'om	bm	55	65	-	-	2.7	0.5
Ilfracombe	bcc	cbc	54	64	-	-	5.4	6.7
Bude	oco	bcb	49	61	-	-	3.6	5.4
Penzance	o3	obcc	51	60	-	-	1.6	1.7
Falmouth Observatory	om	ombcb	51	61	-	-	1.3	2.9
Torquay	c	b	55	65	-	-	2.6	2.0
Weymouth	oc	b	57	64	0.2	-	2.0	0.7
Bournemouth ...	o	ob	56	65	1	-	2.0	3.6
Portsmouth (S'thsea)	om	om	56	65	0.4	-	0.9	5.1
Worthing	cbc	obc	55	67	0.3	-	2.2	0.0
Brighton	obc	bcom	54	66	1	-	4.0	0.0
Eastbourne	om	bco	54	68	Trace	-	5.4	3.2
Hastings	mbbc	bcoco	57	68	0.6	-	6.9	0.8
Folkestone	bc	bc	56	68	-	-	7.7	1.1
Tunbridge Wells ...	ofoc	co	54	67	-	-	1.5	3.9
Ramsgate	fb	bbcc	54	67	-	-	7.4	5.2
Margate	bcb	bbcc	56	72	-	-	6.6	5.5
Deal	rcgbc	b.bc	55	71	1	-	5.9	3.9

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22221 SUNDAY 24TH SEPTEMBER 1922.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1023.2	0	-	0	0	46	75	7	-	-	0	aSt	10	*
Stornoway	1020.2	-3	SE	2	0	51	65	6	800	St	9	-	9	*
Wick	1022.6	-1	SE	2	bc	50	65	8	5750	StCu	2	Ci	4	*
Castlebay	1019.7	-2	E	4	0	53	75	8	2500	StCu	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1023.9	-1	ESE	2	0+	51	75	7	4000	StCu	10	-	10	*
Malin Head	1018.2	-4	E	4	0	52	97	9	-	-	0	aSt	9	*
Renfrew	1021.3	-4	E	2	0	56	75	6	7250	StCu	10	-	10	*
Edinburgh (Inchkeith)	1021.6	-2	ESE	3	0/f	52	85	8	-	StCu	10	-	10	*
Leuchars	1022.7	-2	ESE	3	0	51	75	8	4000	StCu	10	-	10	*
Eskdalemuir	1021.7	-2	ESE	2	0	53	75	7	2500	Cu	6	CiSt	10	*
Tynemouth	1022.9	0	SE	2	0	53	92	7	4000	StCu	10	-	10	*
Blacksod Point														*
Donaghadee	1020.2	-2	E	1	0	55	85	8	-	-	0	CiSt	10	*
Birr Castle	1019.1	*	E	1	0+	56	85	7	4000	StCu	9	-	9	*
Collinstown	1019.7	-3	E'N	1	0-	57	85	6	2500	St	7	CiSt	10	*
Holyhead	1018.3	-3	NE'E	3	0+	59	75	8	-	-	0	aCu	9	*
Liverpool (Bidston)	1020.0	-3	SE'E	3	0/f	55	75	5	2500	St	5	CiCu	9	*
Chester (Shotwick)	1019.0	-3	ESE	4	0	58	75	6	4000	Cu	1	aCu	9	*
Spurn Head	1022.0	-1	ESE	4	0	57	85	7	4000	Cu	5	aCu	9	*
Nottingham	1020.7	*	E	2	0	57	75	7	1500	Cu	4	aCu	8	*
Cranwell	1021.8	-3	E	3	0	55	75	8	2500	StCu	8	aSt	10	*
Gorleston	1021.7	0	S'E	4	0-	57	75	7	5750	Cu	7	-	7	*
Valencia (Cahirciveen)														*
Roches Point														*
Pembroke (St. Ann's H.)	1018.2	-2	NE	4	0	53	92	6	800	Nb	10	-	10	*
Ross-on-Wye	1018.9	-4	ENE	2	0	53	85	7	1500	St	10	-	10	*
Benson	1018.5	-4	ENE	4	0	54	85	6	-	St	10	-	10	*
Andover	1018.1	-3	E	3	0	58	85	6	1500	St	10	-	10	*
S. Farnborough	1018.3	-3	ENE	3	0	59	85	6	800	St	10	-	10	*
London (Kew Obsy.)	1018.9	-5	E	3	0	56	92	5	800	Nb	10	-	10	*
Croydon	1019.0	-4	E'N	3	0/r	57	92	6	800	St	10	-	10	*
Oiacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1019.5	-2	NE	4	0	61	85	6	2500	StCu	8	aSt	10	*
Grain	1019.5	-3	ENE	5	0	58	92	6	800	St	10	-	10	*
Lympne	1018.7	-2	ENE	4	0	61	75	6	1500	StCu	6	aSt	10	*
Scilly (St. Mary's)	1016.1	-1	-	0	0	57	92	6	4000	StCu	10	-	10	*
Falmouth (Pendennis)	1016.1	-2	-	0	0	56	92	6	2500	St	10	-	10	*
Plymouth (Cattewater)	1016.2	-1	SSE	3	0	59	85	8	2500	StCu	10	-	10	*
Portland Bill	1016.6	-2	E	6	0	59	85	6	450	St	10	-	10	*
Southampton (Calshot)	1017.5	-3	ESE	5	0	59	85	6	1500	St	10	-	10	*
Dungeness	1018.5	-3	E	3	0	61	92	7	-	-	0	aSt	10	*
Jersey 7h / Guernsey 1h	1016.2	-1	S	2	0/r	61	85	7	4000	StCu	10	-	10	*

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1021.4	-2	ESE	1	0	44	75	7	5750	StCu	10	-	10	0
Stornoway	1017.3	-3	-	0	0+	49	92	6	-	-	0	aSt	10	0
Wick	1019.4	-2	SE	5	0	49	75	8	4000	Nb	6	CiSt	10	3
Castlebay	1015.7	-3	E	4	0+	52	75	8	800	St	10	-	10	4
Nairn	1017.7	*	-	0	0+	50	75	8	1500	St	7	-	7	*
Aberdeen	1021.2	-2	SE'S	2	0	49	75	6	1500	StCu	10	-	10	0
Malin Head	1015.1	-4	SSE	4	mno	55	92	5	2500	St	10	-	10	1
Renfrew	1018.2	-3	NE	1	mot	51	85	5	-	-	0	aCu	8	*
Edinburgh (Inchkeith)	1018.6	-3	SE	3	0-	52	85	8	-	StCu	5	aSt	9	3
Leuchars	1020.0	-3	ESE	3	0	50	85	8	2500	StCu	10	-	10	*
Eskdalemuir	1019.0	-3	ESE	3	0	49	85	6	-	-	0	aSt	7	*
Tynemouth	1020.3	-3	SSE	3	0	52	85	7	4000	StCu	10	-	10	2
Blacksod Point														*
Donaghadee	1017.1	-1	S	2	0+	55	85	6	1500	St	5	aCu	9	0
Birr Castle	1016.3	*	S	1	0+	57	85	6	225	St	10	-	10	*
Collinstown	1017.2	-2	ESE	2	0	54	92	5	4000	StCu	6	aSt	9	*
Holyhead	1016.5	-1	-	0	0/r	56	85	7	2500	StCu	8	aCu	10	0
Liverpool (Bidston)	1017.0	-3	ESE	3	0+	55	75	5	1500	St	10	-	10	3
Chester (Shotwick)	1016.4	-4	SE	2	0	54	85	6	2500	St	10	-	10	*
Spurn Head	1019.4	-3	E	5	0	54	85	8	4000	StCu	9	-	9	4
Nottingham	1018.2	*	E	2	bc	53	85	7	1500	StCu	4	CiCu	6	*
Cranwell	1019.9	-1	ENE	4	c-	53	85	8	-	-	0	aCu	7	*
Gorleston	1019.5	-2	E	4	c+	56	75	7	4000	StCu	8	-	8	4
Valencia (Cahirciveen)														*
Roches Point														*
Pembroke (St. Ann's H.)	1015.9	-2	NE	3	mno	53	92	6	800	St	10	-	10	3
Ross-on-Wye	1016.4	-3	ENE	2	0br	54	97	5	450	Nb	10	-	10	*
Benson	1016.0	-3	ENE	6	0	55	85	6	-	St	10	-	10	*
Andover	1015.2	-3	E	3	0d	56	97	5	800	St	10	-	10	*
S. Farnborough	1015.3	-3	E	3	0bt	56	97	4	800	Nb	10	-	10	*
London (Kew Obsy.)	1015.7	-4	E	4	0/r	57	85	5	800	St	10	-	10	*
Croydon	1016.4	-2	E'N	3	0	57	92	6	800	St	10	-	10	*
Oiacton-on-Sea	1017.2	-3	E	5	0	57	85	7	1500	Cu	3	aSt	10	4
Shoeburyness	1016.8	-2	NNE	5	0+	58	85	6	1500	St	10	-	10	*
Grain	1016.5	-4	ENE	6	0/r	58	85	7	800	St	10	-	10	6
Lympne	1015.3	-3	ENE	5	0	57	85	6	1500	StCu	10	-	10	*
Scilly (St. Mary's)	1013.8	-2	-	0	0	55	92	8	4000	StCu	10	-	10	1
Falmouth (Pendennis)	1013.7	-3	-	0	0/r	56	92	8	2500	StCu	10	-	10	0
Plymouth (Cattewater)	1013.9	-2	S	1	0	57	85	8	2500	StCu	10	-	10	0
Portland Bill	1014.0	-3	E	6	0/f	58	85	5	450	St	10	-	10	5
Southampton (Calshot)	1014.6	-3	ESE	4	0d	59	85	5	1500	St	10	-	10	3
Dungeness	1014.8	-3	E	3	0	60	85	7	-	-	0	aSt	10	3
Jersey 7h / Guernsey 1h	1014.5	-1	S	2	0	60	85	7	4000	StCu	10	-	10	0

London Observations

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temp. Max. °F.	Temp. Min. °F.	Temp. Min. on Grass. °F.	Rainfall. Day.	Rainfall. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 24th								Yesterday.	To-day.	
Kew				*	*	52	1	3	0.0	*	*
Croydon } 24 hours ended 0700				*	*	52	tr	1	0.0	*	*
Greenwich (Royal Obsy.)				58	52	52	1	2	0.0	92	96
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*						0.3		
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	0	od	*	57	52	52	1	7	*	*	94
Kensington Palace	0	od	*	58	52	51	1	3	*	92(18h)	92
Hampstead Observatory	*	*	*			*			0.0	*	

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.

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..... joules

Average Rate ..... Milliwatts.

Maximum Rate ..... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 23rd ..... h. ..... m. to 24th ..... h. ..... m.

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

Radio Disturbances (Atmospherics) at Croydon.[1]

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

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

24th & 25th September, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.43	11.45	5.47
	5.45	11.45	5.45
Greenwich	5.50	11.52	5.54
	5.52	11.52	5.52
Wick	6.1	12.4	6.6
	6.4	12.4	6.3
Valencia	6.31	12.33	6.35
	6.33	12.33	6.33

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.
i 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.
rorororo = 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

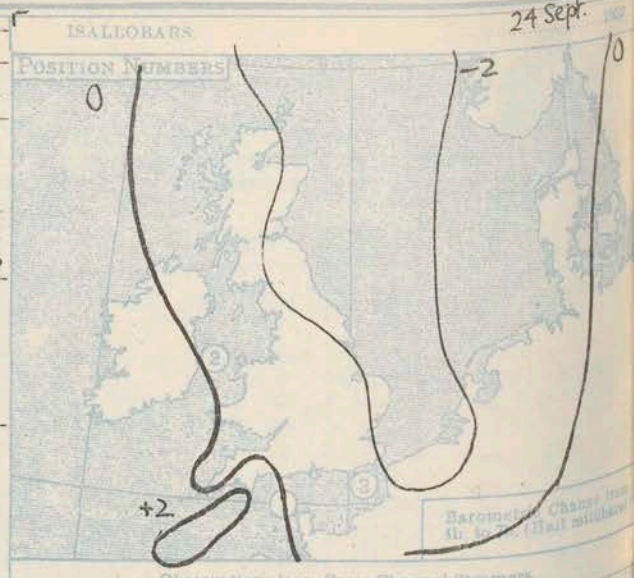
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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

M.O. Form 2370.

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. Hours.
Lerwick	oo	c	oo	c	48	45	•	–	–	–	–	•
Stornoway	c	c	c	p	53	49	•	–	3	–	–	4.7
Wick	c	oo	oo	oo	51	48	•	–	–	–	–	•
Castlebay	o.c.o.	o	o	orro	53	50	•	–	3	–	–	1.2
Nairn	bc.c	cg	cgm	cgm	56	46	•	–	–	–	–	4.2
Aberdeen	b.bc.o	oo	om	om	55	49	47	–	–	–	–	4.3
Malin Head	c	c.o2fo	f imd	oimd.	51	50	•	–	0.6	–	<2100	3.2
Renfrew	bf.cmo	o.c.cm	omw	oo	59	44	38	–	–	–	–	2.4
Edinburgh (Inchkeith)	oo	oo	oo	oo	54	48	42	–	trace	–	0630	0.5
Leuchars	oo	oo	form	form	52	44	39	–	–	–	–	0.0
Eskdalemuir	dc.o	cm	bc.c.	c.or	55	41	36	–	1	–	0430	4.1
Tynemouth	oom	oo	bcm	oom	55	48	43	–	–	–	–	•
Blacksod Point ...							•					•
Donaghadee	c	cm	om	ororo	57	51	•	–	0.4	–	2400	•
Birr Castle	CO	CO2	CO2	CO	58	50	48	–	–			
Collinstown	oo	oo	oo	oo	59	51	•	–	0.1	–	0130	1.0
Holyhead	c.o	orc.opr	oo	op.o	61	54	49	trace	trace	1630	0530	1.5
Liverpool (Bidston) ...	f.om.c	bc.oil	form	form	57	46	46	–	1	–	0230	1.5
Chester (Shotwick) ...	c.ofmz	o2mg	om	omm	58	48	45	–	–	–	–	•
Spurn Head	c	c	bc bc	c	58	52	•	–	–	–	–	2.4
Nottingham	mo	c	c.o	oo	59	49	47	–	–	–	–	1.9
Cranwell	oo	o.c	c	c.mo	57	46	41	–	–	–	–	0.6
Gorleston	o.cq	cq	oq	bc.c.oq	57	55	51	–	–	–	–	0.0
Valencia (Cahirciveen)												
Roche's Point							•					•
Pembroke (St. Ann's H.)	op.dg	d.gf.o	oo	o.c	55	50	•	0.6	0.1	1330	–	0.0
Ross-on-Wye	om.o	ogdodo	rmddm	d.o	55	50	49	0.1	3	1630	<2100	0.0
Oxford	o	o	rorro	o	60	51	50	–	0.6	–	<2100	•
Andover	oo	omd	od	o	59	51	51	–	trace	–	<2100	0.0
S. Farnborough ...	om	omorom	oro	orrm	59	52	51	0.2	3	1730	<2100	0.0
London (Kew Obsy.) ...	om.om	odm.om	oro m	om.orm	58	52	52	1	3	1100	0230	0.0
Croydon	omdrdo	omcmm	omdg	omdd	58	52	52	trace	1	0900	<2100	0.0
Clacton-on-Sea ...	c.og	og	oo	ogr	60	54	53	–	1	–	0530	0.7
Shoeburyness	oo	od	rd	rd	61	53	?	–	1	–	0330	0.0
Grain	oidodo	oijo.o	oorro	oorro	58	53	53	0.1	1	<0800	0430	0.0
Lympne	oom	oorm	r or d	omprr	61	53	52	–	16	–	2200	0.1
Scilly (St. Mary's) ...	om	oo	o	om	58	53	•	–	–	–	–	0.0
Falmouth (Pendennis)	omd	omd		c.o	59	54	•	0.4	–	1230	–	0.0
Plymouth (Cattewater)	oo	oo	o	oro	59	55	53	0.0	trace	<0800		0.0
Portland Bill	oo	oT	r or d	pro	60	54	•	0.4	3	16.30	<2100	•
Southampton (Calshot)	oo	oo	oiro	oidom	60	54	53	trace	0.5	17.30	<2400	0.0
Dungeness ...	oo	oo	oo	rr	63	56	•	–	9	–	2400	•
Jersey 7h ...	odo.co	o.c.o	oo	o.c.o	63	56	•	trace	–	<0800	–	0.3
Guernsey 1h												



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.
3	23rd 0200	Arundel	E	2.	bcr	59	57
2	23rd 1000	anglia	NNE	4	c	55	55
3	24th 0200	Brighton	E	2	imo.	61	60

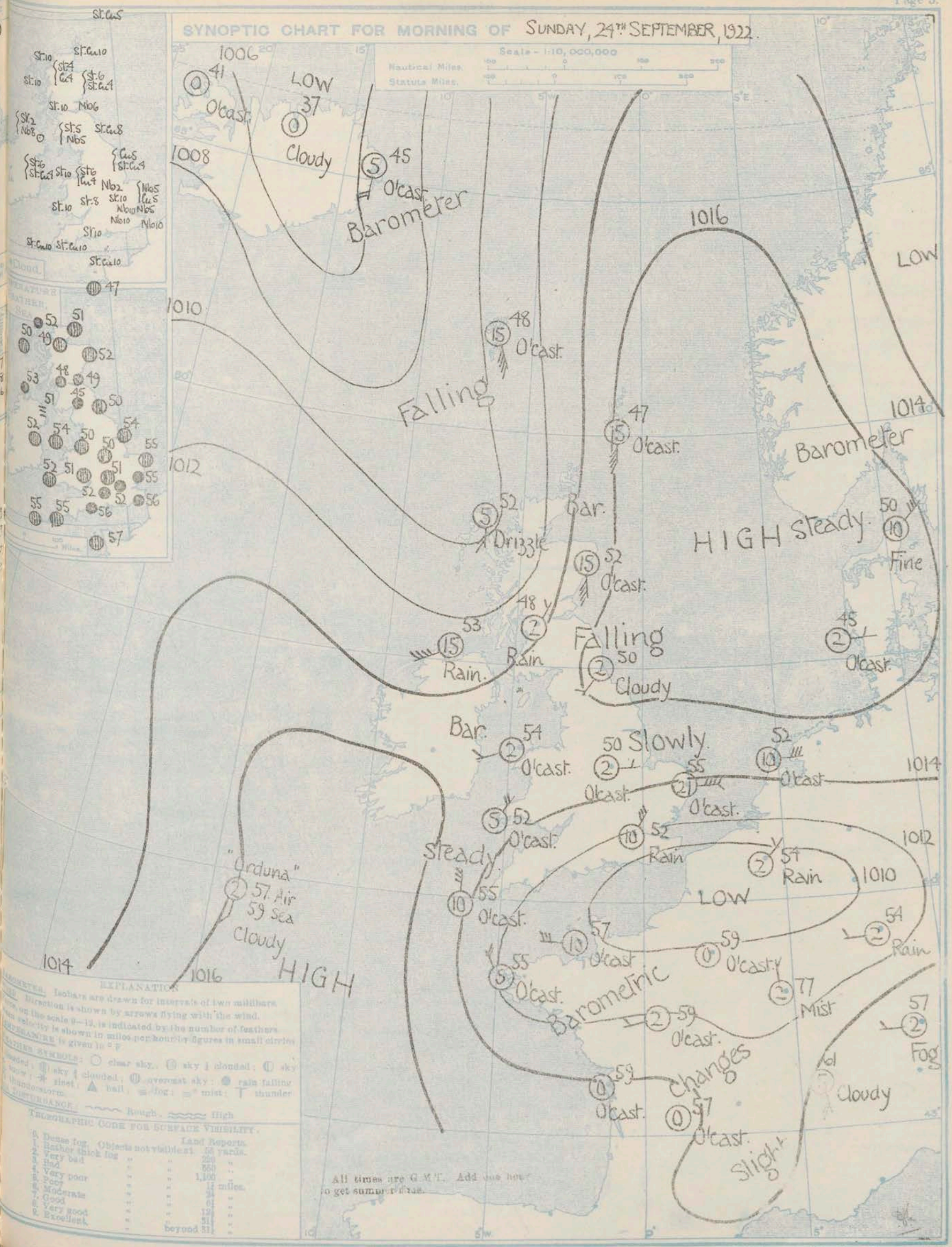
GENERAL INFERENCE.

A freshly developed ridge of high pressure off the west of Ireland is likely to disperse and be replaced by a depression which is advancing from further west. Winds will be light and indefinite for a time generally with cool cloudy and unsettled weather

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 24th September, 1922.	Further Outlook.
1. S.E. England 2. E. England	Moderate or fresh E to NE winds, becoming light and indefinite; cloudy, some rain or drizzle; visibility moderate; cool.	
3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind light and indefinite; cloudy, some rain or drizzle; visibility moderate during the day, mist locally at night; cool.	Wind-nell
10. N.E. England 11. E. Scotland	Moderate to fresh southerly wind becoming light and indefinite later; cloudy, some rain or drizzle; visibility moderate; 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	Moderate Westerly wind, backing later; cloudy, some rain; visibility moderate or good; cool.	

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

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF SUNDAY, 24TH SEPTEMBER, 1922.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
Cloudy
Barometer
Falling
HIGH Steady.
Fine
Baromelric
Changes
Slight
Slowly.
Steady
Rain
Mist
Fog
Cloudy
"Orduna"
57 Air
59 Sea
Drizzle
Bar.
1006
1008
1010
1012
1014
1016
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Wind velocity, on the scale 0—12, is indicated by the number of feathers.
TEMPERATURE is given in °F.
WEATHER SYMBOLS: clear sky; sky ½ clouded; sky clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
Land Reports.
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 " " 2 miles.
5. Poor " " 4 "
6. Moderate " " 6 "
7. Good " " 12 "
8. Very good " " 31 "
9. Excellent " " 31 "
All times are G.M.T. Add one hour to get summer time.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Sunday 24th September 1922. No. 267.

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)	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. (0-10)	Cloud Upper Form.	Cloud Total Amt. (0-10)	Sea. (0-9)
Lerwick	1019·2	-2	SSE	2	o	45	75	7	4000	StCu	5	aSt	10	*
Stornoway	1014·7	-3	—	0	or	*	*	4	*	*	*	*	*	*
Wick	1015·5	-3	S	7	o	50	92	8	4000	Nb	3	aSt	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1013·2	-2	S	3	od	51	97	6	800	St	10	—	10	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1016·6	-2	SSE	1	o+	49	92	8	—	St	10	—	10	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1018·7	-2	SW	1	b	51	92	6	—	—	0	—	0	*
Blacksod Point														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Collinstown														*
Holyhead	1015·4	-2	NW'N	1	o	56	65	7	2500	St	10	—	10	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1017·3	-1	E	4	b	53	85	8	2500	St	3	—	3	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1017·3	-4	NE	3	bc-	48	97	6	2500	St	8	—	8	*
Gorleston	1016·9	-1	E	5	bc-	55	85	7	4000	Cu	4	—	4	*
Valencia (Cahirciveen)														*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1014·9	-1	NNE	2	o	54	92	7	1500	St	10	—	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1013·5	-4	E'N	3	o/r	54	92	6	800	St	10	—	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1012·2	-5	ENE	5	o/r	55	97	6	800	St	10	—	10	*
Scilly (St. Mary's)	1014·3	0	N	3	o	56	92	8	4000	StCu	10	—	10	*
Falmouth (Pendennis)														
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1011·4	-3	E	2	oro	56	85	6	450	St	10	—	10	*
Southampton (Calshot)	1011·8	-1	ESE	3	o	57	92	8	1500	St	10	—	10	*
Dungeness	1012·2	-4	E	5	oror	57	97	7	1500	St	10	—	10	*
Jersey (7h)	1011·8	-2	SW	3	o-	56	92	6	4000	St	5	aSt	9	*
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)	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. (0-10)	Cloud Upper Form.	Cloud Total Amt. (0-10)	Sea. (0-9)
Lerwick	1016·0	-3	S	4	o	49	75	7	4000	StCu	5	aSt	9	3
Stornoway	1009·7	-1	S	2	od	52	97	5	450	St	10	—	10	1
Wick	1012·9	-2	S	6	o	51	75	9	5750	StCu	10	—	10	3
Castlebay	1011·5	0	NW	3	o/r	50	92	7	1500	St	10	—	10	3
Nairn	1011·7	*	—	0	c	49	75	7	1500	St	8	—	8	*
Aberdeen	1014·7	-2	S	4	o	52	85	6	1500	St	10	—	10	0
Malin Head	1012·1	-1	SW'W	4	or	53	92	7	1500	Nb	10	—	10	1
Renfrew	1013·9	-2	NNE	1	or	48	92	5	2500	St	10	—	10	*
Edinburgh (Inchkeith)	1014·3	-1	S	1	or	49	92	8	—	Nb	6	aSt	10	1
Leuchars	1014·7	-2	—	0	o	46	97	6	2500	StCu	10	—	10	*
Eskdalemuir	1015·7	-2	—	0	or	45	92	7	800	St	10	—	8	*
Tynemouth	1016·2	-2	SW	1	c	50	97	7	4000	StCu	8	—	8	0
Blacksod Point														
Donaghadee	1014·6	-1	SW	1	ro	51	92	4	—	—	0	aSt	10	0
Birr Castle	1015·2	*	SW	1	o-	52	92	9	4000	Cu	9	—	9	*
Collinstown	1015·6	0	W	3	o	52	97	7	1500	St	10	—	10	*
Holyhead	1014·1	0	W'S	1	o	54	92	7	2500	St	10	—	10	0
Liverpool (Bidston)	1014·7	-2	ESE	1	o/r	50	92	4	1500	St	10	—	10	2
Chester (Shotwick)	1013·7	-2	NE	1	o	49	97	6	4000	St	9	aSt	10	*
Spurn Head	1014·5	-3	E	5	o	54	85	7	4000	Cu	9	—	9	4
Nottingham	1014·3	*	E	1	o-	50	92	7	900	Nb	2	aCu	9	*
Cranwell	1015·3	-1	NNE	3	o	50	97	8	1500	StCu	10	—	10	*
Gorleston	1014·0	-2	E	5	o	55	75	7	2500	Nb	10	—	10	4
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1014·6	0	NNE	2	o-	52	92	7	1500	St	10	—	10	3
Ross-on-Wye	1013·7	-1	NNE	1	o	51	92	6	1500	St	8	aCu	10	*
Benson	1012·2	+1	NNE	3	o	51	92	6	—	St	10	—	10	*
Andover	1012·0	0	NE	3	o	52	97	6	800	St	10	—	10	*
S. Farnborough	1011·2	0	NE	2	or	52	92	5	800	Nb	10	—	10	*
London (Kew Obsy.)	1011·8	0	NNE	3	orr	52	97	6	2500	Nb	10	—	10	*
Croydon	1011·5	-1	NNE	3	odd	52	97	4	450	St	10	—	10	*
Clacton-on-Sea	1011·4	-2	ENE	4	or	55	85	6	1500	Nb	5	aSt	10	3
Shoeburyness	1010·9	-3	NNE	2	orr	54	92	6	1500	St	10	—	10	*
Grain	1011·1	-1	NE	5	or	55	92	6	800	St	10	—	10	3
Lympne	1009·0	-4	ENE	4	orr	54	97	6	450	Nb	10	—	10	*
Scilly (St. Mary's)	1014·2	0	N	3	o	55	97	6	4000	StCu	10	—	10	3
Falmouth (Pendennis)	1012·9	+2	NNE	2	o+	55	97	7	4000	StCu	10	—	10	0
Plymouth (Cattewater)														3
Portland Bill	1011·3	0	NNE	4	opr	56	75	6	450	St	10	—	10	0
Southampton (Calshot)	1011·0	0	NNE	3	od	55	85	6	1500	St	10	—	10	4
Dungeness	1008·5	-2	E	4	oRR	56	97	7	1500	Nb	10	—	10	2
Jersey (7h)	1011·1	-1	W	3	o	57	92	8	4000	StCu	10			
Guernsey (1h)														

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

Stations	Weather Fore-noon	Weather After-noon	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‡ 23rd hr.
Banff	c.bc	c.bc.c.o	4–	53	0·4	—	3·7	6·1
Montrose								
Llandudno	c	c.o	39	59	—	—	1·6	6·3
Colwyn Bay	bc	bc.c	43	57	—	—	2·2	5·1
Rhyl	c	bc.c	41	57	—	—	0·4	4·5
Southport	o	o.c.o	43	58	—	—	1·3	8·3
Blackpool	o.c.	o	43	57	—	—	0·2	7·1
Harrogate	m.bc	bc.c	38	56	—	—	1·8	2·8
Skegness	o.c.bc	o	40	59	—	—	2·7	3·5
Aberystwyth	o	o	49	58	0·1	—	2·5	1·0
Bath	d.og	ogm	51	58	—	—	0·0	3·7
Leamington Spa	ow	od	43	58	—	—	0·0	4·8
Lowestoft	o	o	54	58	—	—	0·0	3·3
Felixstowe	o	og	52	59	—	—	0·5	4·4
Southend	o	od.o	53	59	—	—	0·0	2·0

Stations	Weather Fore-noon	Weather After-noon	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‡ 23rd hr.
Paignton	mp.o	od r o	?	60	3	trace	?	2·7
Ilfracombe	o	o	54	63	—	—	0·0	5·4
Bude	o	o.c	51	59	—	—	0·1	3·6
Penzance	o.c.	oz	55	57	trace	—	0·0	1·6
Falmouth Observatory	om	odm	55	57	0·4	0·4	0·0	1·3
Torquay	d	o	56	59	2	0·1	0·0	2·8
Weymouth	o	o	54	60	—	—	0·0	2·0
Bournemouth	o	o	53	60	—	—	0·0	2·1
Portsmouth (S'thsea)	o	o	54	62	—	—	0·0	0·9
Worthing	o.bc	o	54	61	—	—	0·0	2·2
Brighton	o	o	55	62	—	—	0·0	4·0
Eastbourne	o.bc	o	55	61	—	—	0·5	5·4
Hastings	o.c.o	o	54	62	—	—	0·2	0·8
Folkestone	o	—	52	65	—	—	0·0	7·7
Tunbridge Wells	o	o	52	61	Trace	—	0·0	1·5
Ramsgate	o	o	54	60	—	0·3	0·0	7·4
Margate	o	o	55	59	—	—	0·0	6·6
Deal	o	o	54	61	—	—	0·1	5·9

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22227 Monday, 25th September 1922. Page 1.

Observations at 1300 G.M.T. 24th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1013.2	-3	SSE	5	r°r°	48	55	6	2500	Nb	10	-	10	•
Stornoway	1009.9	-1	NW	4	c-	64	65	6	4000	Cu	4	Ci Cu	4	•
Wick	1010.0	-2	S	4	or	52	92	6	1500	St	10	-	10	•
Castlebay	1012.3	0	NW	3	b	53	65	8	2500	Cu	3	-	3	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1013.0	-2	SW	3	ofr	52	85	6	1500	Nb	10	-	10	•
Malin Head	1012.8	-4	NW	3	c	53	85	4	5400	St Cu	8	-	8	•
Renfrew	1012.5	-2	NNW	2	o/r	52	92	6	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	1012.5	3	SSW	1	ofr	52	92	6	*	Nb	5	A St	10	•
Leuchars	1013.1	-2	S	2	ofr	51	92	4	2500	Nb	5	A St	10	•
Eskdalemuir	1013.9	-2	SSE	2	ofr	44	94	6	450	St	10	-	10	•
Tynemouth	1014.3	-2	SE	3	ofr	52	85	4	4000	Nb	10	-	10	•
Blacksod Point														•
Donaghadee	1013.9	-1	WSW	1	c	54	85	4	4000	Cu	5	A Cu	8	•
Birr Castle	1013.6	•	SW	1	o	59	75	8	4000	Cu	9	-	9	•
Collinstown	1014.1	-2	WNW	2	o	58	85	9	1500	St Cu	10	-	10	•
Holyhead	1014.1	-1	WNW	2	o	56	85	8	2500	St	4	A St	10	•
Liverpool (Bidston)	1013.4	-2	ESE	3	o	66	75	6	2500	St Cu	4	A St	10	•
Chester (Shotwick)	1013.0	-2	SSE	2	o	54	75	4	2500	St	10	-	10	•
Spurn Head	1014.5	0	NE	2	c	60	65	4	4000	Cu Nb	2	A Cu	8	•
Nottingham	1013.6	•	ESE	2	bc	59	65	4	800	Cu	4	-	4	•
Cranwell	1014.1	-1	NE	3	c	59	75	8	2500	St Cu	8	-	8	•
Gorleston	1010.0	-1	NNE	5	c	61	75	4	4000	Cu	8	-	8	•
Valencia (Cahirciveen)	1013.5	-5	-	0	bc	60	85	9	-	-	0	A Cu	6	•
Roches Point														•
Pembroke (St. Ann's H.)	1014.4	-1	NW	2	c	58	85	4	4000	St Cu	4	-	4	•
Ross-on-Wye	1013.3	-1	NNE	2	bc	60	65	4	4000	St Cu	5	-	5	•
Benson	1012.9	+1	NNE	2	bc	59	75	6	4000	St Cu	4	-	4	•
Andover	1012.4	0	NE	3	bc c	60	65	8	2500	St Cu	6	-	6	•
S. Farnborough	1012.1	+1	NE	2	o	54	85	6	1500	Nb	10	-	10	•
London (Kew Obsy.)	1012.5	+1	NNE	2	ofr	54	75	6	1500	Nb	8	A St	10	•
Croydon	1012.3	0	NNE	3	o	55	85	6	800	Nb	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1011.6	+1	N	3	ofr	54	85	6	1500	Nb	10	-	10	•
Grain	1011.6	0	NNE	5	ofr	58	85	4	800	St	10	-	10	•
Lympne	1010.5	0	NNE	4	ofr	55	94	4	<150	St	10	-	10	•
Scilly (St. Mary's)	1015.1	0	N	2	mb	61	75	6	4000	Cu	3	-	3	•
Falmouth (Pendennis)	1014.0	+1	N	3	c+	61	85	4	4000	St Cu	4	-	4	•
Plymouth (Cattewater)	1013.2	-1	-	0	o	61	75	4	2500	St Cu	9	-	9	•
Portland Bill	1011.4	+1	NE	3	bc/r	58	85	4	1500	St Cu	6	-	6	•
Southampton (Calshot)	1012.4	+1	NE N	3	o	59	75	4	1500	St Cu	10	-	10	•
Dungeness	1010.4	+1	NE	4	o	64	92	4	800	St	10	-	10	•
Jersey 7h / Guernsey 1h	1012.2	0	NW	2	o	59	93	8	2500	St Cu	10	-	10	•

Observations at 1800 G.M.T. 24th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1010.4	-3	SSE	6	r°r°	49	92	6	2500	Nb	10	-	10	5
Stornoway	1009.8	0	NW	1	b	50	75	4	4000	Cu	3	-	3	1
Wick	1009.4	0	WNW	2	c/r	44	94	8	1500	St	6	A Cu	8	0
Castlebay	1011.2	-1	WNW	2	b	51	75	8	2500	Cu	2	-	2	2
Nairn	1010.2	•	-	0	c+	48	92	8	1500	St	8	-	8	•
Aberdeen	1011.5	-2	SSW	2	or	50	94	6	1500	Nb	10	-	10	0
Malin Head	1011.2	-1	NNE	1	bc	61	85	8	5400	St Cu	3	Ci Cu	4	2
Renfrew	1011.3	-1	NW	1	o	52	85	8	2500	St Cu	8	Ci	9	•
Edinburgh (Inchkeith)	1010.9	-2	WSW	1	c/m	52	92	4	*	St Cu	5	Ci Cu	8	1
Leuchars	1011.2	-2	-	0	ofr	50	94	4	1300	St	8	A Cu	9	1
Eskdalemuir	1012.2	-2	-	0	or	48	94	6	450	Nb	10	-	10	•
Tynemouth	1012.4	-2	S	2	ofr	51	92	4	4000	Nb	10	-	10	1
Blacksod Point														
Donaghadee	1012.4	0	NNE	1	bc	53	85	8	5400	St Cu	5	A Cu	6	0
Birr Castle	1012.1	•	SW	1	c-	58	85	9	4000	St Cu	6	A Cu	8	•
Collinstown	1011.8	-2	SE	2	o+	55	85	8	1500	St Cu	4	Ci	9	•
Holyhead	1012.8	-1	-	0	bc	54	85	8	2500	Cu	1	Ci St	6	0
Liverpool (Bidston)	1012.9	-1	SW'W	1	o	54	92	6	1500	St	5	A St	10	1
Chester (Shotwick)	1011.4	-1	NNW	2	o	56	85	6	2500	St	9	-	9	•
Spurn Head	1013.4	-1	ENE	2	bc	53	85	8	2500	St	1	Ci	6	3
Nottingham	1013.0	•	SE	1	o	55	85	4	1500	St Cu	10	-	10	•
Cranwell	1013.4	-2	ENE	1	o+	53	75	8	4000	St Cu	9	-	9	•
Gorleston	1013.4	0	NNE	3	c	55	75	4	4000	Cu	8	-	8	4
Valencia (Cahirciveen)	1011.5	-2	W	1	c	56	85	9	-	-	0	A Cu	8	
Roches Point														
Pembroke (St. Ann's H.)	1013.6	-2	NNW	2	c	56	85	4	2500	St Cu	4	-	4	3
Ross-on-Wye	1012.8	-1	-	0	m/o	54	85	6	1500	St	10	-	10	•
Benson	1012.6	0	-	0	bc+	55	75	9	*	-	0	Ci	5	•
Andover	1012.8	0	-	0	bc	54	85	8	2500	St	3	Ci Cu	4	•
S. Farnborough	1012.3	0	ENE	1	bc-	55	92	6	-	-	0	Ci	4	•
London (Kew Obsy.)	1012.6	0	ENE	1	mb	56	75	6	2500	St Cu	2	Ci St	3	•
Croydon	1012.4	+1	NE'E	1	bc-	51	85	6	2500	St Cu	4	Ci St	5	•
Clacton-on-Sea	1012.2	0	NNE	3	c+	55	85	4	2500	Cu	8	-	8	2
Shoeburyness	1012.2	+1	N	1	o-	54	85	6	2500	St	9 10	-	9 10	•
Grain	1012.2	+1	NNE	4	o/s	55	75	4	1500	St Cu	9	A St	10	3
Lympne	1011.2	+1	NNE	5	o+	55	85	4	1500	St Cu	10	-	10	•
Scilly (St. Mary's)	1014.3	-1	N'E	1	bc+	54	85	4	4000	St Cu	3	Ci Cu	4	3
Falmouth (Pendennis)	1013.4	-2	N	2	bc	56	85	4	4000	St Cu	6	-	6	0
Plymouth (Cattewater)	1012.8	0	S	2	o	54	92	6	2500	St Cu	9	Ci St	10	0
Portland Bill	1011.4	0	NE	3	bc-	58	85	4	-	-	0	Ci Cu	4	1
Southampton (Calshot)	1012.4	-1	E	1	o-	54	75	4	-	-	0	Ci	9	0
Dungeness	1011.4	+1	NNE	4	o	55	92	4	1500	Cu	10	-	10	4
Jersey 7h / Guernsey 1h	1011.6	0	N	2	o	59	75	8	2500	St Cu	10	-	10	2

LONDON OBSERVATIONS. (Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 25th. Sunshine: Yesterday. Humidity 15h.: Yesterday; 9h.: To-day.)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew	or mom	ombc	omfwe	•	•	34	05	-	0.5	•	•
Croydon (24 hours ended 0700)	og uo	obcc	bcofm	•	•	35	03	tra	0.0	•	•
Greenwich (Royal Obsy.)	oica	o	bcmf	58	37	32	tra	-	0.0	72	89
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.1	•	•
Westminster (St. James' Pk.)	•	•	•	59	42	•	-	-	0.1	66	82
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0.0	•	•
Camden Square.	o	bc	•	58	41	39	-	-	•	•	97
Kensington Palace	o	oc	•	58	41	33	-	-	•	85(18h)	100
Hampstead Observatory	•	•	•	56	44	33	tra	-	0.3	•	81

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

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

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

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday. South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 24th 18 h. 45 m. to 25th 05 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	10.15	10.15	100
δ Ursae Minoris	10.15	9.27	92

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	T
07h.	-	-	-	-

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

25th + 26th September, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.45 / 5.46	11.45 / 11.44	5.45 / 5.42
Greenwich	5.52 / 5.53	11.52 / 11.51	5.52 / 5.49
Wick	6.4 / 6.6	12.4 / 12.3	6.3 / 6.0
Valencia	6.33 / 6.34	12.33 / 12.32	6.33 / 6.30

BEAUFORT NOTATION OF WEATHER.

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

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

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

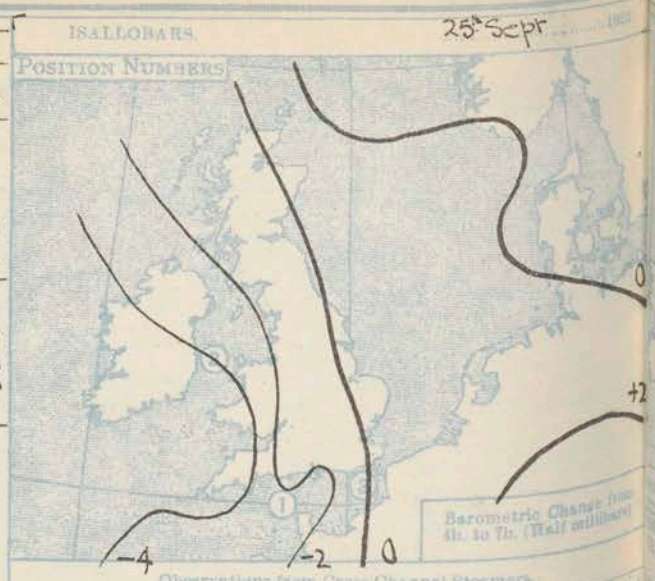
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[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.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 24th	13h.-18h. 24th	18h. 24th to 1h. 25th	1h.-7h. 25th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	p	r.d	r-d	b.bc	49	43	•	5	11	08·00	<2100	•
Stornoway	c	bc	b.bc	oo	55	32	•	10	-	•	-	7.4
Wick	orrm	omrr	b.bc	b.bc	52	33	•	5	-	08·00	-	•
Castlebay	o.bc	bc.b	b	bo	53	46	•	-	-	-	-	8.6
Nairn	cgcg	og	cgx	cg	58	36	•	-	0.2	-	-	0.6
Aberdeen	ogp.r	ooro	ompr.	om	54	44	39	0.4	0.2	11·00	<2100	0.2
Malin Head	c	bcr	b.bc	c	53	45	•	Trace	0.2	08·00	0630	3.0
Renfrew	ofr.om	oo	bbcmw	comw	55	39	31	1	-	<0800	-	0.2
Edinburgh (Inchkeith)	fm	id	b.bc	oo	53	49	42	1	-	•	-	0.0
Leuchars	fr.d	odm.	off		51	42	33	1	-	08·00	-	0.0
Eskdalemuir	oir.	r.d	omo		49	46	45	3	0.1	<0800	<2100	0.0
Tynemouth	p	op.	cm	cm	52	46	42	Trace	-	12·30	-	•
Blacksod Point ...							•					•
Donaghadee	c	bc	bc	om	60	51	•	-	-	-	-	•
Birr Castle	co	co	co	or.o	60	51	45	-	0.3			
Collinstown	oo	c	obc	f-m	61	54	"	-	-	-	-	3.3
Holyhead	oo	o.c.bc	bcbw	bcodm	58	49	42	-	trace	-	0630	0.5
Liverpool (Bidston) ...	oo	c	f-m		58	46	44	-	-	-	-	0.1
Chester (Shotwick) ...	om.o	oom	om	owfm	59	44	41	-	-	-	-	•
Spurn Head	c	c	b.bc	bbc	60	48	•	-	-	-	-	4.7
Nottingham	b.bc	c	o.b	f-m	61	42	41	-	-	-	-	4.4
Cranwell	o.c.o	c	obco	oo	60	40	34	-	-	-	-	3.7
Gorleston	oq.cr	cq	b	bbc.c	59	44	39	-	-	-	-	2.4
Valencia (Cahirciveen)	bcy	cv	om									
Roches Point							•					•
Pembroke (St. Ann's H.)	c	c	bcco	oo	59	52	•	-	-	-	-	5.7
Ross-on-Wye	o.c.bc	c.bc.oy	gomcw	oco		48	44	-	-	-	-	4.2
Benson...	op.bo	bc	bcb	bccmw	61	38	33	-	trace	-	-	•
Andover	o.c.bc	bc	bcbbc	cofmw	61	37	32	-	-	-	-	3.7
S. Farnborough ...	om.obc	o.c.bcm	ombm	off	59	37	35	0.6	-	<0800	-	1.4
London (Kew Obsy.) ...	orm.om	om.bc.bm	bmwfw	bfwfw	58	40	34	0.5	-	<0800	-	0.5
Croydon	~~ogp.o~~	o.bcr	bcbmw	bofmw	56	39	35	0.3	trace	<0800	-	0.0
Clacton-on-Sea	ogr	ogr.bcs	ebc	bccz	56	45	41	8	-	09·00	-	0.7
Shoeburyness ...	r-d	oo	bcmbm	oc	55	46	39	2	trace	<0800	-	0.0
Grain	ooir	ooir	ocbcb	bbcow	55	40	35	2	-	<0800	-	0.0
Lympne	r.d	omd.	oo	bbccm w	55	44	35	0.4	trace	<0800	-	0.0
Scilly (St. Mary's)	bcm	oo	bcco	omgr.	61	51	•	-	0.1	-	0530	7.3
Falmouth (Pendennis)	o.cm	c.bcm	c	om	61	53	•	-	-	-	-	5.7
Plymouth (Cattewater)	b.bc	c	oo		64	52	50	-	-	-	-	1.8
Portland Bill	o.c	c	co	oc	60	52	•	-	-	-	-	•
Southampton (Calshot)	oo	c	bcb	c	61	49	40	0.3	trace	<08·00	<2100	2.0
Dungeness	oo	oo	c	bc	58	44	•	0.1	-	<0800	-	•
Jersey 7h } ...	o	o	o	o	60	53	•	-	-	•	-	0.0
Guernsey 1h }												



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	
2	24th 1000	Anglia	WNW	3	c	56	55	8
3	25th 0200	Arundel	ENE	2	bc	56	59	7

GENERAL INFERENCE.

The deep depression to the west of Ireland will cause freshening southerly winds probably veering and increasing to gale force before long on our SW coasts. The weather will be dull to rainy in the southwest similar conditions spreading to all districts in the next 24 hours.

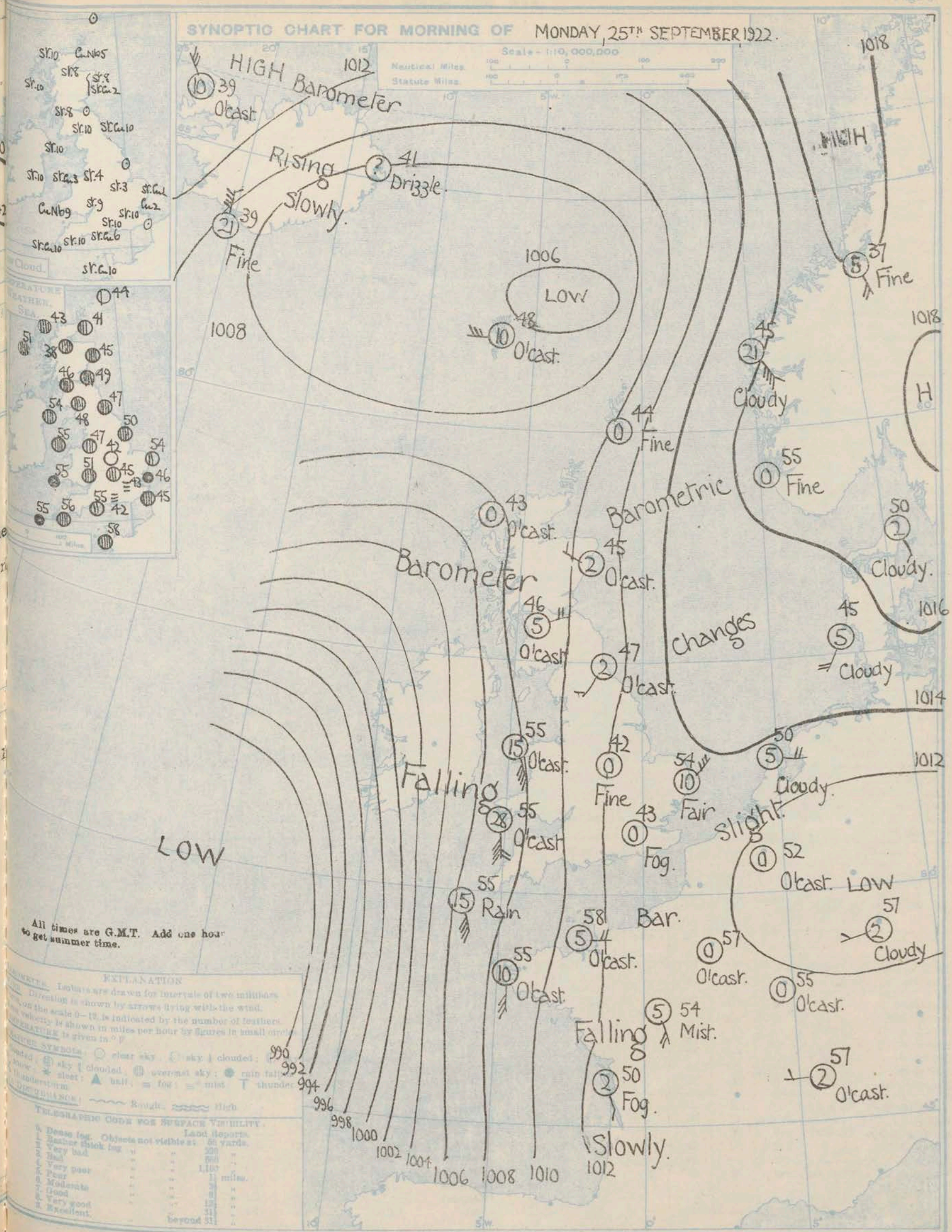
Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 25th September, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Freshening southerly wind; becoming dull, then rainy visibility moderate; rather warmer.	Unsettled generally for the next day or two.
4. W. Midlands 5. S.W. England	Fresh to strong southerly wind, veering to SW later; much cloud, some rain; visibility poor at times; moderate temperature	
6. South Wales 7. North Wales 8. N.W. England	Southerly wind, veering to SW or W later, strong to a gale at times; much cloud, some rain; visibility mainly good; moderate temperature.	
9. N. Midlands 10. N.E. England	Fresh to strong southerly wind; dull, then rainy; visibility poor at times; rather warmer.	
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	Freshening SE wind; dull, rain later; visibility poor to moderate; moderate temperature.	South Cone hoisted at 9h15m this morning.
19. S.E. Ireland 20. S.W. Ireland	As 5 - 8.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.05 GMT.

E.V.N.

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

For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF MONDAY, 25TH SEPTEMBER 1922.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
HIGH Barometer
1012
39 O'cast.
Rising Slowly.
41 Drizzle.
39 Fine
1008
1006
LOW
48 O'cast.
HIGH
37 Fine
1018
45 Cloudy
44 Fine
55 Fine
Barometric
43 O'cast.
45 O'cast.
Changes
50 Cloudy.
45 Cloudy
1016
1014
1012
Barometer
46 O'cast
47 O'cast.
55 O'cast.
42 Fine
54 Fair
50 Cloudy.
Falling
55 O'cast
43 Fog.
Slight.
52 O'cast.
LOW
55 Rain
58 O'cast.
Bar.
57 O'cast.
57 Cloudy
55 O'cast.
55 O'cast.
54 Mist.
Falling
50 Fog.
57 O'cast.
Slowly.
990
992
994
996
998
1000
1002
1004
1006
1008
1010
1012
LOW
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Monday, 25th September 1922. No. 268.

Observations at 0100 G.M.T. 25th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1011.2	+1	SW	3	bc/r	47	92	7	4000	Cu	3	ACu	5	•
Stornoway	1011.0	0	–	0	•	•	•	6	•	•	•	•	•	•
Wick	10100	0	WSW	1	b-	38	97	8	4000	Cu	2	-	2	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1005.5	-5	ESE	3	b-	50	92	7	2500	Cu	2	-	2	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1010.9	-1	WSW	1	b-	49	97	7	-	Sr	2	-	2	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1012.3	0	WSW	1	b	50	85	6	-	-	0	-	0	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1010.4	-3	–	0	b	51	92	8	-	-	0	ASr	1	•
Holyhead	1010.8	-2	SE'S	1	bc	51	97	7	2500	Sr	4	-	4	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1013.0	0	SE'S	1	b	51	92	8	-	-	0	-	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1014.3	0	SSE	1	0	46	97	6	2500	Sr	10	-	10	•
Gorleston	1013.8	0	NW	1	b+	45	92	7	5700	Cu	2	-	2	•
Valencia (Cahirciveen)	1001.8	-5	SE'S	5	o/p	55	85	8	-	Sr	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pe broke (St. Ann's H.)	1010.9	-3	SE	4	0	55	92	7	1500	Sr	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	-	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	47	•	•	•	•	•	•	•	•
Croydon	1014.0	0	S'W	1	b	42	97	6	-	-	0	-	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1012.5	0	N	3	b	48	97	7	-	-	0	-	0	•
Scilly (St. Mary's) ...	1011.0	-2	S'E	3	0	55	92	9	4000	StCu	10	-	10	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1012.3	0	SSE	4	0+	57	83	6	4000	St	10	-	10	•
Southampton (Calshot)	1013.0	0	–	0	b	50	92	7	1500	Sr	2	-	2	•
Dungeness	1012.5	0	N	3	b	49	97	7	–	–	0	-	0	•
Jersey (7h.)	1013.0	-2	E	3	b	55	92	6	5700	StCu	2	-	2	•
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1011.6	+2	–	0	b-	44	92	7	-	–	0	ACu	3	0
Stornoway	1007.6	-1	–	0	0	43	97	6	2500	Sr	10	-	10	0
Wick	1009.6	0	–	0	C+	41	97	8	2500	CuNb	5	CiSr	7	0
Castlebay	1005.0		E	4	0	51	75	8	800	Sr	10	-	10	4
Nairn	1005.6		-	0	0	33	85	8	4000	SrCu	7	-	7	•
Aberdeen	1010.7	-1	WNW	1	0	45	97	6	1500	Sr	10	-	10	0
Malin Head	1001.9	-6	ESE	4	0/c	53	97	7	1500	Sr	2	ASr	10	2
Renfrew	1008.8	-2	ENE	2	0	46	97	4	7200	Sr	8	ASr	10	•
Edinburgh (Inchkeith)	1009.4	-1	SE	1	mo	49	92	6	-	-	0	ASr	10	•
Leuchars	1010.1	0	–	0	FF	45	97	1	<150	Sr	10	-	10	•
Eskdalemuir	1010.1	-2	–	0	0	49	97	5	1500	Sr	10	-	10	0
Tynemouth	1011.2	0	SSW	1	0	47	85	4	4000	SrCu	10	-	10	
Blacksod Point ...														2
Donaghadee	1007.4	-2	SSE	3	mo-	54	85	7	1500	Sr	10	-	10	•
Birr Castle	1000.6	•	SE	3	o/c.b	55	92	7	2500	Nb	9	-	9	•
Collinstown	1005.6	-5	SSE	5	0	57	92	4	800	Sr	10	-	10	•
Holyhead	1007.2	-4	SE'S	4	o/r	55	85	6	4000	SrCu	3	ASr	10	2
Liverpool (Bidston) ...	1009.4	-1	SE	2	mc-	47	97	4	2500	Sr	4	CiSr	7	3
Chester (Shotwick) ...	1009.1	-2	SE	2	0	46	97	7	4000	Sr	7	ACu	10	•
Spurn Head	1013.0	0	S	1	0/c	50	92	7	-	-	0	Ci	9	3
Nottingham	1012.3	•	-	0	fo-	42	97	2	800	Sr	3	ACu	9	•
Cranwell	1013.2	-1	SE'E	2	0	41	97	7	-	-	0	CiSr	10	•
Gorleston	1013.3	0	NE	3	bc+	54	65	4	5700	SrCu	1	CiSr	6	1
Valencia (Cahirciveen)														
Roches Point														5
Pe broke (St. Ann's H.)	1007.6	-6	S	6	o/p	55	85	7	800	CuNb	9	-	9	•
Ross-on-Wye	1010.8	-1	SE	2	0	51	85	6	2500	Sr	9	ASr	10	•
Benson...	1012.1	-1	E	1	C+	45	97	5	-	-	0	ASr	8	•
Andover	1012.5	-2	E	3	mo+	42	97	5	2500	SrCu	6	CiSr	10	•
S. Farnborough ...	1012.5	-1	-	0	FFO	42	97	1	225	Sr	10	-	10	•
London (Kew Obsy.) ...	1013.0	-1	-	0	FFO	43	97	0	<150	Sr	10	-	10	•
Croydon	1013.3	-1	-	0	mmo	42	97	4	-	-	0	CiSr	10	•
Clacton-on-Sea ...	1012.6	0	NNE	2	bcjp	46	92	6	1500	Cu	2	CiSr	5	0
Shoeburyness	1012.7	-1	NNW	1	mo	44	85	4	-	-	0	CiSr	12	•
Grain	1012.4	0	W	1	0+	45	97	6	-	-	0	ASr	10	0
Lympne	1012.4	0	NE'E	3	c	46	97	6	-	-	0	ACu	8	•
Scilly (St. Mary's) ...	1006.1	-3	SE'S	4	0/c	55	97	6	4000	StCu	10	-	10	6
Falmouth (Pendennis)	1008.6	-6	S'E	5	0+	56	92	6	4000	Sr	10	-	10	1
Plymouth (Cattewater)	1009.1	-2	SE	3	0	56	92	6	1500	Sr	10	-	10	0
Portland Bill	1010.0	-3	SSE	5	bc-	55	85	7	1500	StCu	6	-	6	3
Southampton (Calshot)	1011.8	-1	ESE	2	0	50	85	7	..	-	0	ACu	10	0
Dungeness	1012.6	0	N	3	0+	50	97	7	-	-	0	CiSr	10	3
Jersey (7h.)	1010.6	-1	E	2	0	53	92	8	2500	StCu	10	-	10	0
Guernsey (1h.)														

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 23rd-24th °F.	Temperature. Max. Day. 24th °F.	Rainfall.† Night 17h.-9h. 23rd-24th mm.	Rainfall.† Day 9h.-17h. 24th mm.	Sunshine. Sunrise to 17h. 24th hr.	Sunshine. Sunrise to Sunset. 23rd hr.
Banff	o.c	o.c.or	44	56	-	Trace	2.6	3.4
Montrose	-	-	50	53	-	1	0.0	0.3
Llandudno	0	do	43	59	-	0.2	0.1	1.6
Colwyn Bay ...	c	c.o	52	58	-	-	0.0	2.2
Rhyl	bc	c	51	58	-	0.2	0.0	0.4
Southport	o.c.o	o.c.o	44	58	-	-	0.1	1.8
Blackpool	og.c	c	44	58	-	-	0.4	0.2
Harrogate	0	o.c.o	39	56	-	-	0.2	1.8
Skegness	o.c.b	b	53	58	-	-	4.5	2.4
Aberystwyth ...	o.o.c	b	52	58	-	-	2.0	2.5
Bath	o.c.bc	bc.c.o	52	62	1	-	4.1	0.0
Leamington Spa ...	bcw	o	50	61	1	-	6.2	0.0
Lowestoft	o	o.c.bc	54	56	-	-	2.1	0.0
Felixstowe	op	c	54	56	4	1	0.9	0.5
Southend	m.ord	o.d.o	52	59	5	0.8	0.0	0.0
Paignton	c.bc.b	b	55	62	-	-	4.8	0.0
Ilfracombe	o.c.bc.c	c.bc	53	61	0.5	-	4.4	0.5
Bude	b.bc.c	bc.b	55	62	-	-	2.4	0.0
Penzance	bc	bc.b	54	63	-	-	5.3	0.0
Falmouth Observatory	c	b	54	62	2	-	5.2	0.0
Torquay	o.c	bc	53	64	0.1	-	3.0	0.0
Weymouth	o	o.bt	53	62	2	-	3.5	0.0
Bournemouth ...	om	o.c.bc	54	61	1	-	0.4	0.0
Portsmouth (S'thsea)	0	0	54	64	1	-	0.0	0.0
Worthing	0	0	54	54	3	-	0.0	0.0
Brighton	0	0	54	55	11	-	0.0	0.2
Eastbourne	tR.o	oo	54	54	13	-	0.0	0.0
Hastings	0	o	54	62	14	Trace	0.0	0.0
Folkestone	:om.o	0	53	54	3	Trace	0.0	0.0
Tunbridge Wells ...	0	0	53	56	2	-	0.0	0.0
Ramsgate	0	or	54	56	3	0.4	0.0	0.1
Margate	0	0	40	58	5	-	0.0	
Deal								

* 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. B22,223 TUESDAY, 26TH SEPTEMBER 1922.

Observations at 1300 G.M.T. 25th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1012·2	0	SE	2	0+	51	75	7	5700	Stcu	5	Acu	9	•
Stornoway	1006·0	-1	SE	2	0	53	85	6	800	St	10	–	10	•
Wick	1008·5	-1	SSE	2	c–	53	92	8	2500	Cu Mb	1	ASt	8	•
Castlebay	1002·1	-2	E	5	mmo	55	85	6	450	St	10	–	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1009·9	-1	SSE	3	0	54	85	6	800	St	10	–	10	•
Malin Head	998·9	-5	SE'E	5	0	56	92	6	1500	St	6	ASt	10	•
Renfrew	1006·6	-3	ESE	3	0	58	75	6	7250	Stcu	9	ASt	10	•
Edinburgh (Inchkeith)	1007·9	-3	SSE	1	0	57	75	6	–	Stcu	3	CiSt	10	•
Leuchars	1008·6	-2	SE	4	0	57	85	6	5700	Stcu	10	–	10	•
Eskdalemuir	1007·9	-2	SE'S	3	0	55	75	7	2500	Stcu	10	–	10	•
Tynemouth	1009·8	-1	S	3	bc	55	85	6	2500	St	2	CiCu	4	•
Blacksod Point ...														•
Donaghadee	1003·8	-3	SSE	3	0	56	85	7	4000	St	10	–	10	•
Birr Castle	•													•
Collinstown	1001·3	-5	SSE	5	0	55	92	5	800	St	10	–	10	•
Holyhead	1003·8	-5	SE	5	o/r	58	85	7	2500	Stcu	10	–	10	•
Liverpool (Bidston) ...	1006·3	-5	ESE	5	0	56	65	6	2500	St	7	CiSt	9	•
Chester (Shotwick) ...	1005·9	-5	SE	5	0	59	65	6	4000	Cu	1	ASt	9	•
Spurn Head	1010·7	-3	ESE	5	bc	59	75	7	–	–	0	CiSt	5	•
Nottingham	1009·9	•	SE	2	0+	58	75	7	1500	Stcu	4	CiSt	9	•
Cranwell	1011·2	-3	SE'E	4	0+	56	75	8	2500	Cu	7	ACu	9	•
Gorleston	1012·9	0	SE	3	c	58	75	7	4000	Cu	2	CiCu	6	•
Valencia (Cahirciveen)	989·5	-3	SE	6	PR	59	85	7	–	Cu	6	–	6	•
Roches Point														•
Pembroke (St. Ann's H.)	1003·4	-4	SSE	6	o|p	58	75	7	1500	Cu Mb	10	–	10	•
Ross-on-Wye	1007·5	-5	SE	4	o	56	75	8	–	–	0	ASt	10	•
Benson	1009·0	-4	SSE	4	0	57	75	7	–	–	0	ASt	10	•
Andover	1009·5	-2	SSE	3	0	57	85	8	4000	Stcu	9	ASt	10	•
S. Farnborough ...	1009·9	-2	SE	3	0+	60	75	7	2500	Stcu	6	ASt	10	•
London (Kew Obsy.) ...	1010·1	-3	SE'S	2	0	59	75	7	4000	Stcu	10	–	10	•
Croydon	1010·7	-3	SE	3	0	59	75	7	2500	Stcu	10	–	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1011·6	-1	NW	2	o|f	59	75	7	4000	Cu	9	–	9	•
Grain	1011·4	-2	E	2	0	59	65	8	2500	Stcu	10	–	10	•
Lympne	1011·2	-1	ESE	2	c	58	75	8	4000	Cu	3	ASt	8	•
Scilly (St. Mary's) ...	1001·1	-4	SSE	6	od₀d₀	56	97	5	4000	Cu Mb	10	–	10	•
Falmouth (Pendennis)	1004·2	-5	S	6	o|pr₀	57	85	6	2500	Stcu	10	–	10	•
Plymouth (Cattewater)	1005·6	-4	SSE	4	o|r	58	85	6	800	St	10	–	10	•
Portland Bill	1008·0	-2	SSE	6	d	59	92	6	–	–	0	ASt	10	•
Southampton (Calshot)	1009·2	-3	SE	5	o ⊕	59	85	7	2500	Stcu	5	ASt	10	•
Dungeness	1011·5	0	SE	2	c–	60	75	8	2500	Cu	2	CuCu	7	•
Jersey 7h }	1008·1	-1	ESE	4	0	60	75	8	1500	St	10	–	10	•
Guernsey 1h }														

Observations at 1800 G.M.T. 25th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1011·9	-1	S	4	o+	51	92	6	4000	Stcu	3	ASt	10	3
Stornoway	1003·7	-2	ESE	2	o	53	85	6	800	St	10	–	10	1
Wick	1007·1	-3	SSE	5	o	53	97	6	5700	Stcu	10	–	10	3
Castlebay	1000·2	-2	E	6	mmo	55	85	6	450	Mb	10	–	10	7
Nairn	1005·4	•	ESE	2	c+	56	75	7	1500	St	7	–	7	•
Aberdeen	1009·4	-1	SSE	3	0	52	85	6	2500	Stcu	10	–	10	3
Malin Head	995·8	-3	SE'E	5	o r₀	55	97	6	1500	Stcu	10	–	10	4
Renfrew	1004·7	-2	S	3	o r₀	54	75	6	4000	Stcu	7	ACu	10	•
Edinburgh (Inchkeith)	1006·2	-1	ESE	3	o	53	92	8	–	St	3	ASt	10	2
Leuchars	1007·1	-3	ESE	5	o	42	85	1						
Eskdalemuir	1006·5	-2	SE'E	4	o–	50	75	7	2500	Stcu	6	CiSt	9	•
Tynemouth	1008·6	-1	S	4	c+	53	92	7	–	–	0	ASt	8	2
Blacksod Point ...														
Donaghadee	1001·3	-5	SE	6	o|p	55	85	6	4000	St	10	–	10	6
Birr Castle														•
Collinstown	998·5	-4	SE'S	6	orr	55	97	4	1500	Mb	10	–	10	•
Holyhead	1000·6	-4	SE	5	o|r	58	85	7	1500	St	10	–	10	3
Liverpool (Bidston) ...	1003·4	-2	ESE	5	o	55	75	4	1500	Stcu	10	–	10	5
Chester (Shotwick) ...	1002·7	-3	SE	4	o	55	75	5	1500	St	3	ASt	10	•
Spurn Head	1008·5	-2	SE	6	o	55	75	7	1500	St	10	–	10	6
Nottingham	1007·6	•	SE	2	o	54	85	7	1500	Stcu	8	CiSt	10	•
Cranwell	1008·8	-2	SE'E	3	o	54	85	7	4000	St	3	ACu	10	•
Gorleston	1011·4	-1	SE	4	o+	56	85	7	4000	Mb	6	CiSt	10	4
Valencia (Cahirciveen)	987·5	-1	SE	5	c+	56	65	7	–	St	8	–	8	
Roches Point														
Pembroke (St. Ann's H.)	999·1	-5	SE	7	or₀r₀	57	85	6	–	Mb	10	–	10	5
Ross-on-Wye	1004·6	-3	SE'E	3	od₀d₀	57	85	7	2500	Mb	8	ASt	10	•
Benson	1008·2	-2	SE	4	bc–	56	85	7		Stcu	3	Ci	5	•
Andover	1006·3	-2	SE	3	o	56	92	7	1500	St	9	–	9	•
S. Farnborough ...	1007·6	-2	SE'S	3	f↓o	57	85	3	2500	Stcu	10	–	10	•
London (Kew Obsy.) ...	1008·2	-2	ESE	2	o	57	75	6	4000	Stcu	10	–	10	•
Croydon	1009·0	-1	ESE	2	o	55	85	6	4000	Stcu	10	–	10	•
Clacton-on-Sea ...	1009·8	-2	SE	4	o+	57	75	7	–	–	0	ASt	10	0
Shoeburyness	1009·4	-2	SE	2	c	57	85	7	4000	St	2	ASt	7	•
Grain	1009·3	-2	E	4	o	57	85	7	–	–	0	ASt	10	0
Lympne	1009·3	-1	E'N	3	o	55	85	6	7250	Stcu	7	ASt	10	•
Scilly (St. Mary's) ...	997·6	-2	S	3	o|r	57	97	6	4000	Cu Mb	9	–	9	6
Falmouth (Pendennis)	999·0	-8	S	7	o r₀+	57	97	5	1500	St	10	–	10	4
Plymouth (Cattewater)	1001·9	-4	SE	2	o r₀r	59	85	7	1500	Mb	10	–	10	3
Portland Bill	1000·2	-2	SSE	6	o	59	85	6	4000	–	0	ASt	10	4
Southampton (Calshot)	1006·5	-2	SSE	5	o	59	85	6	1500	Mb	7	ASt	10	3
Dungeness	1009·0	-3	SE	3	o+	59	85	8	5700	Stcu	10	–	10	3
Jersey 7h }	1006·7	-1	SSE	4	o	62	75	8	2500	Stcu	10	–	10	3
Guernsey 1h }														

London Observations

	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature Max. °F.	Temperature Min. °F.	Temperature Min. on Grass. °F.	Rainfall. in. Day.	Rainfall. in. Night.	Sunshine to Sunset. hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 26								Yesterday.	To-day.	
Kew											
Croydon } 24 hours ended 0700	bf wcmo	om	od₀r₀m	•	•	53	–	0.1	1.3	•	•
Greenwich (Royal Obsy.)	omf	om	o|mod	•	•	50	tra	0.5	2.3	•	•
City (Bunhill Row)	obc	o	ocd	61	51	51	–	0.5	1.7	69	90
Westminster (St. James' Pk.)	•	•	•	•	•	•	•	•	1.0	•	•
Regent's Pk. (Botanic Gdns.)	•	•	•	61	51	•	•	4	1.5	67	83
Camden Square	•	•	•	•	•	•	•	•	0.5	•	•
Kensington Palace	o	c	•	60	47	49	–	0.5	•	•	89
Hampstead Observatory	co	o	•	60	56	51	–	0.5	•	80	84
	•	•	•	58	54	47	–	0.5	0.3	•	93

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 25th

South Kensington Max.	Time.	Min.	Time.
1·0	2000 (24th)	0·6	1600 (25th)
2·0	0800 (25th)		

Kew Observatory Max.	Time.	Min.	Time.
1·0	2100 (24th)	<0·3	1100
2·0	0900 (25th)		-1300 (25th)

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..... Joules

Average Rate ..... Milliwatts.

Maximum Rate ..... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 25 18 h. 45 m. to 26 05 00 m.

Stars.	Exposure. h. m.	Exposure. h. m.	Record.	
Polaris	10.15	0.45	7	
δ Ursae Minoris	10.15	0.06	1	

Radio Disturbances (Atmospherics) at Croydon.[1]

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

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

26th & 27th Sept. 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	5.46	11.44	5.42
	5.48	11.44	5.40
Greenwich ...	5.59	11.51	5.49
	5.55	11.51	5.47
Wick	6.6	12.3	6.0
	6.9	12.3	5.57
Valencia ...	6.34	12.32	6.30
	6.36	12.32	6.28

Beaufort Notation of Weather.

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

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

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

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

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

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

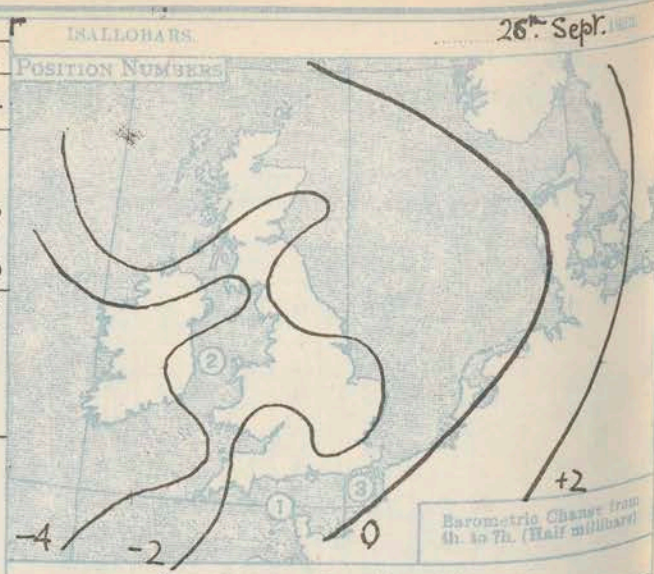
Sea Disturbance.

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

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

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 25	13h.-18h. 25	18h. 25 to 1h. 26	1h.-7h. 26	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	bobc	c	bbc	c	53	49	•	–	–	–	–	•
Stornoway	0 0	00	r-d	rr	55	50	•	–	13	–	<2100	0.4
Wick	0 0	omo	00	00	53	51	•	–	–	–	–	•
Castlebay	orom	mopf	opfr	ORd	55	51	•	1	7	–	–	0.0
Nairn	c	cm	cgom	ogm	60	50	•	–	0.2	–	2200	0.7
Aberdeen	om	omo	om	om	56	52	49	–	–	–	–	0.0
Malin Head	orc3	oir03	ogzir	oiR	57	53	•	0.6	7	15.30	0130	0.0
Renfrew	omp	ozro	OZ	omiro	59	51	49	0.3	0.4	11.00	0430	0.4
Edinburgh (Inchkeith)	form	oo	00	00	60	51	46	–	–	–	–	0.1
Leuchars	form	form	00		57	50	46		0.1		0630	0.7
Eskdalemuir	oo	c	odm		57	48	47	–	1	–	0330	0.7
Tynemouth	m	cm	cm	pom	56	52	48	–	–	–	–	•
Blacksod Point ...							•					•
Donaghadee	iro	ompo	rr	rr	56	54	•	Trace	12	0900	<2100	•
Birr Castle												
Collinstown	oo	orrmm	orrm	r-d	56	51	•	2	7	<0800	<2100	0.0
Holyhead	or	oiro	oroir	romro	59	54	50	Trace	3	11.00	<2100	0.0
Liverpool (Bidston) ...	c	c	p	p	57	47	45	–	2	–	0230	0.1
Chester (Shotwick) ...	om	oo	oroomq	orRomf	58	52	51	3	4	14.30	0130	•
Spurn Head	borbc	c	bbc	oo	60	54	•	–	–	–	–	4.9
Nottingham	c	oo	o	op	60	53	51	–	0.3	–	0230	2.5
Cranwell	oco	oo	oco	ocmo	59	49	46	–	trace	–	0430	3.3
Gorleston	c	c	cqr	coq	59	55	53	–	–	–	–	5.6
Valencia (Cahirciveen)	rpq	cq	o	om								
Roches Point							•					•
Pembroke (St. Ann's H.)	oo	oqprr	oqRr	oqrrp	58	54	•	2	23	<0800	<2100	0.2
Ross-on-Wye	oco	oq	ogoqrq	rrqo	58	54	53	–	6	–	2200	0.9
Benson...	o	o	g	ror	59	54	53	–	1	–	2400	•
Andover	omo	oo	oo	oro	59	55	52	–	4	–	0130	1.4
S. Farnborough ...	ofomo	oq	om	orrodm	60	54	50	–	2	–	0330	1.7
London (Kew Obsy.) ...	bfwcmo	om	oo	odomrom	60	55	53	–	0.1	–	0430	1.3
Croydon	omf	om	ompo	omddg	59	55	50	Trace	0.5	–	0330	2.3
Clacton-on-Sea ...	bcc	co	oc	c	60	56	55	–	–	–	–	6.3
Shoeburyness ...	bcco	c	cm	c	60	50	53	–	trace	–	–	3.2
Grain	omob	oo	oo	iro	60	56	54	–	0.1	–	0330	3.7
Lympne ...	coc	o	oo	bbcomf	58	55	53	–	trace	–	0630	3.8
Scilly (St. Mary's) ...	omqd	omoir	c	bccq	57	54	•	3	1	<0800	<2100	0.0
Falmouth (Pendennis)	omp	oprqf	bc	pq	58	54	•	5	6	0900	<2100	0.0
Plymouth (Cattewater)	r	rorq	orrolpr	oprc	59	55	52	0.4	13	1730	<2100	0.0
Portland Bill	co	oo	op	rpc	60	54	•	–	4	–	<2100	•
Southampton (Calshot)	o	oo	oo	orrc	59	56	55	–	2	–	2400	2.5
Dungeness	oo	c	obc	c	61	59	•	–	–	–	–	•
Jersey 7h. ...	oc	o	od.	odob	63	57	•	–	1	–	2200	0.1
Guernsey 1h.												



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	25th 1000	Anglia	SE	7	0	57	56	7
3	26th 0200	Brighton	S	4	bc	59	60	8
1	25th 1100	Ibex	SE	4	2	60	59	5

GENERAL INFERENCE.

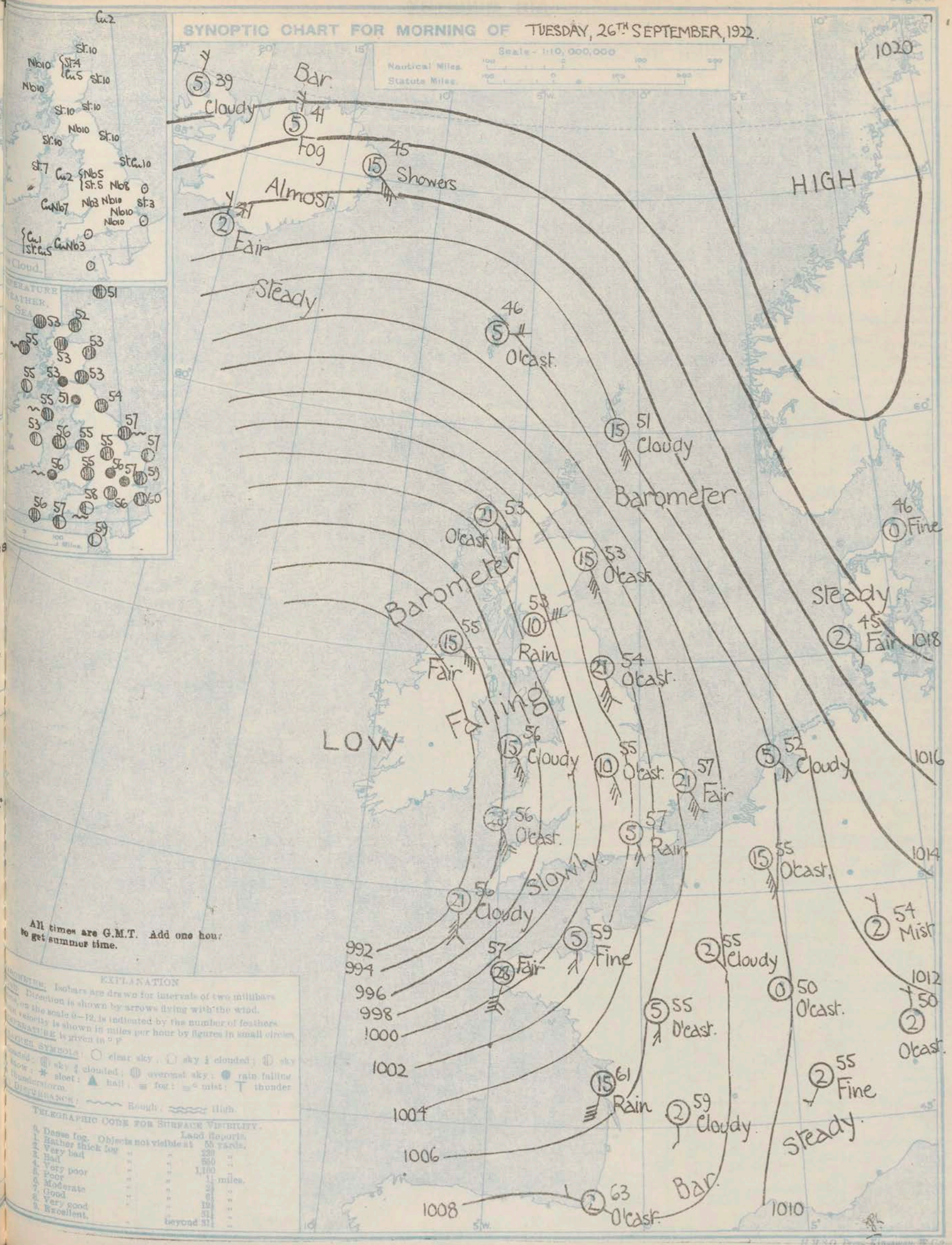
The deep depression centred near western Ireland will move slowly east causing strong winds or gales generally from S or SE veering to southwest in the west of England and to NW in Ireland. Rainy to showery weather is probable with occasional bright intervals in England and Ireland.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday 26th September, 1922,	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Strong S or SE wind; mainly dull some rain, occasional bright intervals; visibility poor at times; moderate temperature.	Stormy and unsettled weather generally.
▼5. S.W. England ▼6. South Wales ▼7. North Wales ▼8. N.W. England	Strong to high S. to S.W. winds, a gale at times in exposed places; mainly dull, showery, occasional bright intervals; visibility poor at times ; moderate temperature.	
9. N. Midlands 10. N.E. England	As 1 - 4.	
11. E. Scotland ▼12. S.W. Scotland	Strong SE or E wind; dull to rainy; visibility poor at times; moderate temperature.	▼ South Cone hoisted at 0915, 25th except for District 12, hoisted at 1915, 25th.
▼13. Isle of Man	As 1 - 4.	
14. N.E., N. Scotland 15. Hebrides 16. Orkneys and Shetlands	Strong Easterly winds; dull to rainy, visibility mainly poor; moderate temperature.	
▼17. N.W. Ireland ▼18. N.E. Ireland ▼19. S.E. Ireland ▼20. S.W. Ireland	Wind becoming W to NW, strong to a gale; showery, bright intervals; visibility mainly good; becoming somewhat colder.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 10.55 GMT. E.V.N. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF TUESDAY, 26TH SEPTEMBER, 1922.



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

TEMPERATURE is given in ° F.

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

DISTURBANCE: Rough; High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

		Land Reports.
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.S.O. Press, Kingsway, W.C.2.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. TUESDAY, 26TH SEPTEMBER 1922. No. 269.

Observations at 0100 G.M.T. 26

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1012.1	0	SSE	4	b-	50	85	7	-	-	0	A.Sr	2	•
Stornoway	1004.2	-2	E	4	rr	•	•	4	•	•	•	•	•	•
Wick	1006.6	-1	SSE	6	0	52	92	8	800	Sr	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	993.5	-2	SE'E	6	or	55	97	6	1500	Nb	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1003.8	-4	ESE	2	c-	52	85	8	-	Sr	8	-	8	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1005.6	-2	SSE	4	bc	53	92	7	-	-	0	A.Sr	4	•
Blacksod Point														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	993.3	-3	S	5	o/r	54	97	6	800	Nb	10	-	10	•
Holyhead	995.8	-3	SE'E	4	or	58	85	7	800	Nb	10	-	10	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1005.3	-2	SE	7	0	55	85	7	-	-	0	A.Sr	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1005.5	-4	SE	4	0+	52	92	7	2500	Sr	10	-	10	•
Gorleston	1008.3	-2	SE'E	6	bc	56	92	7	-	-	0	Ci.Sr	6	•
Valencia (Cahirciveen)	984.8	-4	SSE	6	or	54	92	5	?	?	?	?	?	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	996.1	-2	S	6	OR-	55	92	6	1500	Nb	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	5	•	•	•	•	•	•	•	•	•
Croydon	1005.7	-2	SE	2	o/r	56	85	8	4000	Sr	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1005.6	-3	SE	4	b	57	97	7	-	-	0	A.Cu	2	•
Scilly (St. Mary's)	995.3	-2	SSW	4	b	55	85	7	4000	Cu.Nb	2	-	2	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1001.2	-3	SSE	7	obr	56	85	6	450	Sr	10	-	10	•
Southampton (Calshot)	1002.3	-3	SSE	6	o	60	85	8	2500	Sr	10	-	10	•
Dungeness	1006.2	-2	S	4	bc	60	85	7	2500	Sr	4	-	4	•
Jersey (7h)	1001.5	-3	SSE	5	odd	58	97	6	5700	Nb	10	-	10	•
Guernsey (1h)														

Observations at 0700 G.M.T. 26

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1011.8	0	SSE	4	c	51	85	7	4000	Cu	2	ACu	8	3
Stornoway	999.5	-1	SE	5	o/r	53	85	5	2500	Nb	10	-	10	4
Wick	1005.7	-2	SSE	6	o	52	97	8	800	Sr	10	-	10	4
Castlebay	996.7	-1	E	5	o/r	55	85	6	800	Sr	10	-	10	7
Nairn	1002.2	•	E	1	o+	53	75	7	1500	Sr	9	-	9	•
Aberdeen	1005.6	-1	SE	4	o	53	92	6	1500	Sr	10	-	10	3
Malin Head	992.2	-1	ESE	4	bc/r	55	97	7	5700	Nb	2	ACu	5	4
Renfrew	999.1	-2	ENE	3	or	53	85	4	1500	Sr	10	-	10	•
Edinburgh (Inchkeith)	1000.9	-3	ESE	4	o	53	92	7	-	Sr	10	-	10	3
Leuchars	1002.5	-4	ESE	6	or	53	92	6	800	Nb	10	-	10	•
Eskdalemuir	1000.3	-4	ESE	4	odd	51	92	6	1500	Nb	10	-	10	•
Tynemouth	1002.7	-2	SSE	5	o/r	54	97	6	2500	Sr	10	-	10	4
Blacksod Point														
Donaghadee	995.6	-1	S	4	or	55	92	7	2500	Sr	10	-	10	6
Birr Castle		•												•
Collinstown	993.7	-3	SE	5	c	53	97	6	800	Sr	7	Ci.Sr	8	•
Holyhead	995.3	0	SE'S	4	c-	56	85	8	1500	Cu	2	Ci.Sr	8	2
Liverpool (Bidston)	996.8	-2	ESE	4	o/r	55	92	5	1500	Nb	10	-	10	5
Chester (Shotwick)	996.4	-2	SSE	2	orr	56	97	3	450	Nb	10	-	10	•
Spurn Head	1002.0	-3	SE	7	o	57	92	6	4000	SrCu	10	-	10	6
Nottingham	1000.4	•	SE	3	o	55	92	7	2500	Nb	8	Ci.Sr	10	•
Cranwell	1001.8	-3	E	4	o/r	55	97	6	1500	Sr	5	A.Sr	10	•
Gorleston	1006.1	-2	SE	5	bc-	57	92	6	-	-	0	Ci.Sr	6	4
Valencia (Cahirciveen)	981.2	-3	E	4	rr	52	97	6	?	?	?	?	?	?
Roches Point														
Pembroke (St. Ann's H.)	993.9	-2	SSE	6	cjp	56	85	7	1500	Cu.Nb	7	-	7	7
Ross-on-Wye	998.3	-1	S'E	3	o-	55	85	7	2500	Nb	3	Ci	9	•
Benson	999.9	-2	SE	4	orr	56	92	6	-	Nb	10	-	10	•
Andover	1006.6	-1	SSW	3	o/p	55	92	8	800	Nb	10	-	10	•
S. Farnborough	1001.0	-2	SSE	2	o	56	97	6	1500	Nb	10	-	10	•
London (Kew Obsy.)	1001.8	-2	SSE	2	orr	57	92	6	1500	Nb	10	-	10	•
Croydon	1002.7	-1	SE'S	3	od-	56	92	6	450	Sr	10	-	10	•
Clacton-on-Sea	1004.0	-2	SE	5	c	59	92	6	5700	SrCu	3	A.Sr	7	3
Shoeburyness	1003.7	-2	NW	4	mc-	58	85	6	4000	Cu	7	-	10	•
Grain	1003.7	-2	SE	4	or	59	85	7	1500	Nb	10	-	9	•
Lympne	1003.8	-1	SE	4	or	58	85	6	2500	Nb	8	ACu		
Scilly (St. Mary's)	991.9	-3	S	5	bc+	56	85	7	4000	SrCu	6	-	6	7
Falmouth (Pendennis)	994.3	-4	SSW	7	bc/r	57	85	8	800	Cu.Nb	3	Ci.Cu	5	4
Plymouth (Cattewater)	996.6	-1	S	7	c/r	57	85	7	800	Sr	3	Ci	7	5
Portland Bill	999.9	-3	S	7	bc/r	58	85	6	-	-	0	Ci	5	6
Southampton (Calshot)	1000.6	-1	SSW	4	c-	58	92	8	4000	SrCu	8	-	8	0
Dungeness	1003.8	-2	S	5	c+	60	85	7	2500	SrCu	8	-	8	5
Jersey (7h)	1001.1	0	S	2	b/r	59	85	8	-	-	0	ACu	1	2
Guernsey (1h)														

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

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 24-25 °F.	Temperature. Max. Day. 25 °F.	Rainfall.† Night 17h.-9h. 24-25 mm.	Rainfall.† Day 9h.-17h. 25 mm.	Sunshine. Sunrise to 17h. 25 hr.	Sunshine. Sunrise to Sunset. 24 hr.
Banff	o	c o	40	56	4	-	1.2	2.6
Montrose			41	56	-	-	0.6	0.0
Llandudno	o	oc	?	57	-	-	0.0	0.1
Colwyn Bay	c	c	49	58	-	-	?	0.0
Rhyl	c	op	46	58	-	-	0.0	0.0
Southport	c o	o	47	58	-	-	0.0	0.0
Blackpool	o g	o g	48	58	-	-	0.0	0.4
Harrogate	mc	c	43	56	-	-	0.5	0.2
Skegness	cbc	c o	42	59	-	-	4.3	4.5
Aberystwyth	o	o	49	60	-	-	0.0	2.0
Bath	mbc	o g	46	60	-	-	0.0	4.1
Leamington Spa	c	bc	42	59	-	-	1.7	6.2
Lowestoft	bco	cbc c	44	60	-	-	5.4	2.2
Felixstowe	cbc	b	42	61	-	-	7.1	1.0
Southend	cbc	c o	44	62	-	-	2.8	0.0

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 24-25 °F.	Temperature. Max. Day. 25 °F.	Rainfall.† Night 17h.-9h. 24-25 mm.	Rainfall.† Day 9h.-17h. 25 mm.	Sunshine. Sunrise to 17h. 25 hr.	Sunshine. Sunrise to Sunset. 24 hr.
Paignton	od	p o	49	60	-	Trace	0.0	5.1
Ilfracombe	o	or	52	60	-	0.1	0.0	7.8
Bude	og	o	50	60	-	-	0.0	4.4
Penzance	o	or	51	58	-	12	0.0	2.7
Falmouth Observatory	om	omr	52	58	-	4	0.0	5.5
Torquay	o	o	53	59	0.1	-	0.0	5.2
Weymouth	o	o	49	62	-	-	0.4	3.0
Bournemouth	o	c	45	60	-	-	0.5	3.2
Portsmouth (S'thsea)	bc	o	46	61	-	-	2.2	0.7
Worthing	bc	o	44	61	-	-	2.5	0.0
Brighton	cbcc	o	44	61	-	-	3.0	0.0
Eastbourne	o	bco	45	61	Trace	-	2.6	0.0
Hastings	oc	c	46	61	Trace	-	3.2	0.0
Folkestone	o	o	48	63	-	-	5.6	0.0
Tunbridge Wells	b bc	bc c	48	59	-	-	2.0	0.0
Ramsgate	o bc	bbc o	53	61	-	-	1.5	0.0
Margate	c bc	bc o	53	61	-	-	1.3	0.0
Deal	bc.b	bc c	47	62	-	-	5.7	

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22224 WEDNESDAY, 27TH SEPTEMBER 1922.

Observations at 1300 G.M.T. 26'

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1012.5	0	SE	4	c	53	85	7	4000	Cu	3	CiSt	7	•
Stornoway	1000.3	0	SE	5	o/r	55	85	5	2500	Nb	10	-	10	•
Wick	1004.6	0	SE	8	o	53	97	6	800	St	10	-	10	•
Castlebay	997.5	0	ENE	5	opr₀	55	85	6	1500	Nb	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1004.8	-1	SE	5	o	54	85	6	1500	St	10	-	10	•
Malin Head	993.1	0	ESE	4	c+	58	92	7	4000	Cu	8	-	8	•
Renfrew	998.3	-1	E	4	or	58	85	5	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	999.3	-3	SE	4	o	56	92	7	-	St	6	ASt	10	•
Leuchars	1001.8	-1	E	6	orr	54	92	5	<150	Nb	10	-	10	•
Eskdalemuir	998.9	-1	SE.S	4	od₀d₀	54	92	5	1500	Nb	10	-	10	•
Tynemouth	1001.1	-1	SSE	5	opr₀	56	92	5	2500	St	10	-	10	•
Blacksod Point														•
Donaghadee	996.1	0	SE	2	c-	59	85	8	-	-	0	ASt	6	•
Birr Castle	986.6	•	SE	3	or	55	92	6	2500	Nb	10	-	10	•
Collinstown	993.2	0	SE	4	o/p	56	92	6	800	St	8	ASt	10	•
Holyhead	994.8	-1	SE	4	bc-	62	65	8	2500	Cu	~~2~~ 3	ASt	6	•
Liverpool (Bidston)	996.6	+1	SE	3	bc+	60	75	6	1500	Nb	6	-	6	•
Chester (Shotwick)	996.4	0	SSE	5	oPR	61	55	6	1500	St	10	-	10	•
Spurn Head	1001.5	-1	SE	5	o	59	85	5	2500	St	10	-	10	•
Nottingham	999.8	•	SSE	3	c-	62	65	7	1500	CuNb	4	ACu	7	•
Cranwell	1001.1	-1		4	od₀	60	85	6	1500	St	7	ASt	10	•
Gorleston	1005.0	-1	SSE	4	o	60	85	6	4000	StCu	10	-	10	•
Valencia (Cahirciveen)	981.7	0	SE	2	or₀r₀	57	92	8	-	St	10	-	10	•
Roches Point														•
Pembroke (St. Ann's H.)	992.4	-3	S	8	o/p	58	75	7	2500	Nb	10	-	10	•
Ross-on-Wye	998.1	-1	S	3	oPR-	59	75	8	4000	CuNb	8	Ci	9	•
Benson	999.9	-1	SSE	5	c/r	63	75	8	-	CuNb	5	ACu	8	•
Andover	1000.2	0	S	4	or₀r₀	58	85	8	1500	Nb	9	CiCu	10	•
Farnborough	1001.0	0	S	5	or	62	75	7	2500	Nb	10	-	10	•
London (Kew Obsy.)	1001.7	0	S	4	opr₀	61	75	7	1500	Nb	4	ASt	10	•
Croydon	1002.4	-1	SW	3	or	59	85	7	800	Nb	7	ASt	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1003.1	0	SSW	1	od₀	61	85	7	2500	Cu	6	ASt	10	•
Grain	1003.2	-1	SSE	4	or₀	59	85	7	1500	Nb	6	ASt	10	•
Lympne	1003.6	-1	SSE	3	or₀f₀	56	97	3	<150	Nb	10	-	10	•
Scilly (St. Mary's)	990.9	-1	S'E	5	o+	58	85	6	2500	StCu	10	-	10	•
Falmouth (Pendennis)	992.9	-2	SW	7	o	58	85	7	2500	Cu	9	-	9	•
Plymouth (Cattewater)	995.7	2-1	SSE	6	o	59	75	7	1500	St	10	-	10	•
Portland Bill	998.5	-2	S	7	PR-	60	85	6	-	-	0	CiCu	4	•
Southampton (Calshot)	1000.7	-1	S	4	o+	61	75	7	2500	StCu	8	CiCu	9	•
Dungeness	1003.5	0	S	4	orr	59	97	7	4000	Nb	10	-	10	•
Jersey 7h / Guernsey 1h	999.9	0	S	2	b	62	75	8	-	-	0	ACu	2	•

Observations at 1800 G.M.T. 26'

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1011.8	-1	SE	5	c	51	85	7	-	-	0	ASt	8	4
Stornoway	999.7	-1	E	3	opr₀	54	92	5	450	St	10	-	10	2
Wick	1004.1	-1	SE	8	or₀	53	92	6	800	St	10	-	10	6
Castlebay	997.8	0	NE	3	oPR-	54	97	6	800	Nb	10	-	10	5
Nairn	1000.2	•	ESE	4	c	57	75	8	4000	StCu	7	-	7	•
Aberdeen	1003.7	-1	SE'E	5	or₀	53	92	6	1500	Nb	10	-	10	4
Malin Head	993.3	+1	ESE	4	bc-	57	92	6	5700	StCu	2	ACu	7	3
Renfrew	998.3	+1	ENE	2	mmo	56	92	4	2500	St	8	ASt	10	•
Edinburgh (Inchkeith)	999.3	+1	E	2	lmo	54	97	6	-	CuNb	3	ASt	10	2
Leuchars	1000.5	0	ESE	5	o/r	54	97	5	<150	St	10	-	10	
Eskdalemuir	998.7	0	ESE	4	o/r	56	75	5	1500	StCu	10	-	10	•
Tynemouth	1001.0	0	SSE	4	oPR+	55	97	6	2500	Nb	10	-	10	2
Blacksod Point														
Donaghadee	995.9	0	SE	3	c+	57	85	8	-	-	0	ASt	6	3
Birr Castle	987.6	•	SE	2	o-	56	85	7	450	Nb	9	-	9	•
Collinstown	992.6	0	SE	5	or	55	97	5	800	Nb	10	-	10	•
Holyhead	994.1	-1	SE	4	o+	60	65	8	4000	StCu	10	-	10	2
Liverpool (Bidston)	996.4	0	SE'E	3	bc/r	57	75	5	-	-	0	CiSt	4	4
Chester (Shotwick)	995.7	+1	ESE	3	o+	58	85	7	2500	St	7	ACu	10	•
Spurn Head	1001.4	0	SE'S	5	orr	56	97	6	1500	Nb	9	-	9	5
Nottingham	999.4	•	SE	1	o+	58	85	7	800	StCu	8	CiSt	10	•
Cranwell	1000.5	0	SE	3	o	56	97	6	800	St	6	ACu	9	•
Gorleston	1003.8	-1	SSE	4	or₀	59	92	6	2500	Nb	10	-	10	4
Valencia (Cahirciveen)	983.5	+3	NW	3	orr	55	97	7	-	St	10	-	10	?
Roches Point														
Pembroke (St. Ann's H.)	991.2	-2	S	7	o/p	57	85	7	2500	Nb	10	-	10	7
Ross-on-Wye	997.3	-1	S'E	2	c/r	57	85	8	4000	CuNb	3	CiSt	8	•
Benson	999.6	0	SSE	3	bc	57	85	8	-	Cu	2	Ci	5	•
Andover	998.6	-2	SSE	3	c+	57	92	7	800	St	7	Ci	8	•
Farnborough	999.9	-1	SSE	3	o+	58	85	6	2500	Cu	6	ASt	9	•
London (Kew Obsy.)	1000.3	-2	SSE	2	b	59	85	6	4000	StCu	3	-	3	•
Croydon	1001.3	-1	SE	2	c	57	92	7	2500	St	8	-	8	•
Clacton-on-Sea	1002.1	-2	SSE	2	d/r	59	97	6	1500	St	8	-	8	0
Shoeburyness	1001.9	-2	SE	1	or+	57	85	7	1500	Nb	10	-	10	
Grain	1001.6	-3	SE	2	or₀	58	92	7	1500	StCu	8	ASt	10	0
Lympne	1002.1	-1	SSE	3	or₀r₀	56	97	5	<150	Nb	10	-	10	•
Scilly (St. Mary's)	986.9	-3	S'E	5	or₀	55	97	6	800	St	10	-	10	7
Falmouth (Pendennis)	990.9	-3	S	7	c-	57	92	6	2500	StCu	7	CiCu	8	5
Plymouth (Cattewater)	993.7	-3	SSE	6	o/p	58	85	8	1500	CuNb	9	-	9	5
Portland Bill	996.2	-3	S	7	bc/r	59	85	6	-	-	0	CiCu	5	6
Southampton (Calshot)	999.0	-1	S'E	5	c	59	85	7	2500	CuNb	3	ACu	8	3
Dungeness	1002.0	-2	S	3	orr	59	97	7	1500	Nb	10	-	10	4
Jersey 7h / Guernsey 1h	999.5	0	S	3	b	59	85	8	-	-	0	CiCu	3	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. 27'								Yesterday.		To-day.
Kew	omip₀	opbm	bncw	•	•	45	0.1	-	0.4	•	•
Croydon (24 hours ended 0700)	ogmfr₀	oroc	cbwc	•	•	45	0.5	tra	1.9	•	•
Greenwich (Royal Obsy.)	or	oir	cb	62	52	46	0.3	tra	0.2	85	79
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.1	•	•
Westminster (St. James' Pk.)	•	•	•	64	54	•	-	-	0.6	70	74
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0.2	•	•
Camden Square	c	c	•	62	53	49	0.1	-	•	•	85
Kensington Palace	o	obc	•	61	53	46	-	0.2	•	87	80
Hampstead Observatory	•	•	•	60	52	42	tra	tra	0.1	•	90

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 26'

South Kensington

Max.	Time.	Min.	Time.

Kew Observatory

Max.	Time.	Min.	Time.
0.7	1900 (25')	<0.3	2400
0.4	0700 (26')		(25th)

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 26' 18 h. 45 m. to 27' 05 h. 00 m.

Stars.	Exposure h. m.	Record h. m.	Record %
Polaris	10.15	8.56	87
δ Ursae Minoris	10.15	7.20	72

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

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

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

27' & 28' Sept., 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.48 / 5.49	11.44 / 11.44	5.40 / 5.38
Greenwich	5.55 / 5.56	11.51 / 11.51	5.47 / 5.45
Wick	6.9 / 6.11	12.3 / 12.3	5.57 / 5.54
Valencia	6.36 / 6.37	12.32 / 12.32	6.28 / 6.26

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
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.

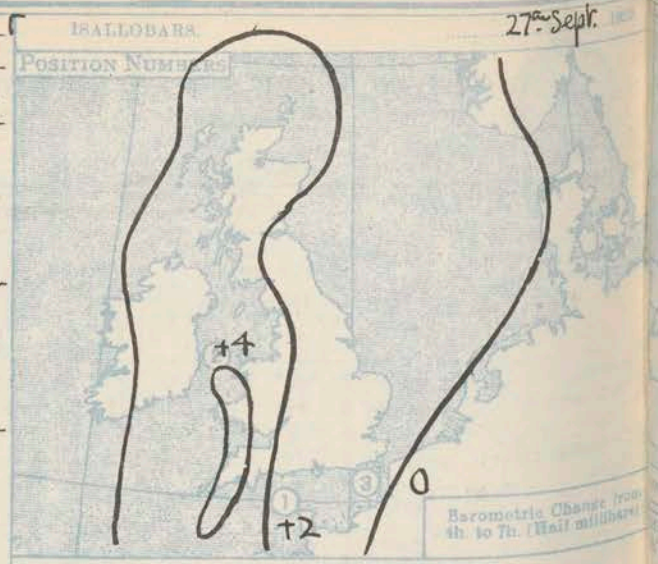
SEA DISTURBANCE.
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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. 26	13h.-18h. 26	18h. 26 to 1h. 27	1h.-7h. 27	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	c	oq	cq	bc	53	48	•	–	–	–	–	•
Stornoway	r	p	r-d	prc	55	47	•	1	2	<0800	–	0.0
Wick	form	amir	oirm	rorm	53	52	•	0·1	0.4	1430	<2100	•
Castlebay	op	oprop	opbco	obc	55	53	•	2	trace	–	–	0.0
Nairn	oq	oqcq	cq	iRcq	59	52	•	–	5	–	2200	0.0
Aberdeen	oirom	ocrom	RR	RRm	56	52	50	0·6	19	12·30	<2100	0.0
Malin Head	cz	bcm	grr	cmrcf	60	54	•	–	1	–	<2100	5.2
Renfrew	ocroq	ourm	obcrm	boirm	59	48	41	0·6	1	<0800	<2100	0.2
Edinburgh (Inchkeith)	IR	p	oo	rrmim	57	52	47	1	3	1730	0330	0.0
Leuchars	om	oirm	r-d		54	52	48	1	8	<0800	<2100	0.0
Eskdalemuir	ordm	odmo	bcpo	opoc	56	50	46	3	1	<0800	<2100	0.2
Tynemouth	mpo	opoq	cirorr	orrm	56	52	50	0·4	10	11 00	<2100	•
Blacksod Point ...							•					•
Donaghadee	bc	bc	o	bcq	59	55	•	0·2	–	<0800	–	•
Birr Castle	oiR	oRR	oror	co	57	53	50	6	2	–	–	•
Collinstown	crmq	odir	ormdc	C	57	54	•	6	1	0900	<2100	1.8
Holyhead	cbc	bcco	ocbcc	cbco	62	54	51	–	–	–	–	4.8
Liverpool (Bidston) ...	poobc	borbc	ocq		61	53	48	3	–	<0800	–	5.1
Chester (Shotwick) ...	ortpR	opRbcb	om	ohm	64	53	49	2	–	<0800	–	•
Spurn Head	c	rord	r-d	r-d	60	56	•	2	10	1430	<2100	0.6
Nottingham	oo	c	ob	b.bc	64	53	48	1	–	<0800	–	1.0
Cranwell	id	rom	obcro	f	61	53	50	1	0.2	<0800	2200	0.0
Gorleston	oo	oprqr	orq	ocq	60	56	52	1	6	16·30	<2100	0.3
Valencia (Cahirciveen)	om	ofr										
Rosslare Point							•					•
Pembroke (St. Ann's H.)	oqp	oqp	p	oquP	58	54	•	1	7	<0800	<2100	1.5
Ross-on-Wye	bcPbcp	bccpo	cbbx	co	63	53	50	1	trace	11 00	–	6.2
Benson	ro	bc	bbb	cw	64	53	51	1	trace	–	–	•
Andover	oorr	orprm	co	ocbc	61	52	47	2	–	0800	–	2.7
S. Farnborough ...	oroor	orco	om	orm	64	52	43	0·4	trace	1530	0630	2.3
London (Kew Obsy.) ...	omi	opbm	bmbw	bwcrw	63	52	45	0·1	–	0900	•	0.4
Croydon	odmpo	oroc	cbw	bwocw	62	53	45	0·5	trace	<0800	–	1.9
Clacton-on-Sea ...	oo	roc	corro	ocbcc	60	56	55	4	11	1330	2200	0.2
Shoeburyness	ouo	rord	cbc	oroir	64	55	51	1	1	11 00	<2100	0.0
Grain	oiro	oirro	oro	oc	60	54	51	1	1	<0800	<2100	0.0
Lympne	otro	otmro	b.bc	bbcco	58	54	50	8	1	0900	2200	0.0
Scilly (St. Mary's)	omq	omqir	comqr	omqir	59	53	•	0·5	5	0900	<2100	1.0
Falmouth (Pendennis)	comq	omqpc	omrbc		59	55	•	Trace	2	<0800	0330	2.9
Plymouth (Cattewater)	cbco	oo	opr		60	56	54	–	5	–	<2100	3.6
Portland Bill	crc	c	co	obc	61	56	•	1	–	<0800	–	•
Southampton (Calshot)	c	p	cbc	c	62	57	50	Trace	–	1730	–	3.1
Dungeness	oirr	oirr	c	b.bc	61	57	•	8	0.5	1100	<2100	•
Jersey 7h } Guernsey 1h }	b	bopb	b	bo	64	57	•	Trace	–	1630	–	5.3



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	26th 1000	Anglia	SSE	7	bc	56	56	8
1	26th 1200	Reindeer	S	6	o	63	59	9
3	27th 0200	Arundel	SSW	5	bcv	57	59	9

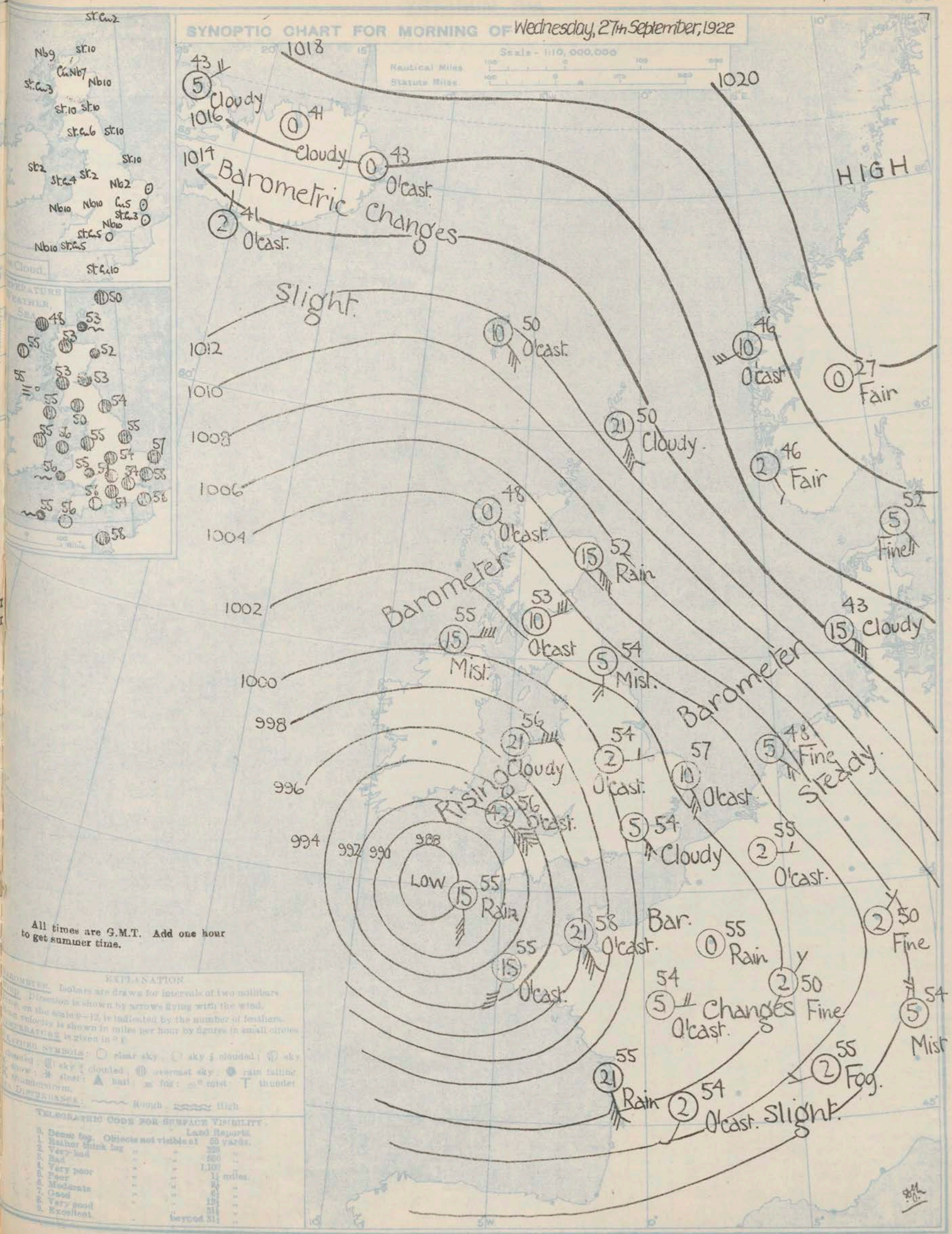
GENERAL INFERENCE.

The deep depression centred near Scilly will probably move slowly S.E. while growing less deep Southeasterly to Easterly winds will prevail generally, backing to N.E. or N on our western coasts and in Ireland, mainly fresh to strong, moderating later. Some rain or showers will occur in all districts, with fair periods.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Wednesday, 27th September, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind between S.E. and E, moderate or fresh; occasional rain or showers; visibility mainly good but poor at times; moderate temperature.	With-held.
5. S.W. England 6. South Wales	Wind S.E. to E backing to N.E; strong to high at first, decreasing somewhat; much cloud, some rain; visibility poor at times; moderate temperature.	
7. North Wales 8. N.W. England 9. N. Midlands	Strong Easterly wind; much cloud, some rain or drizzle; visibility poor at times; moderate temperature.	
10. N.E. England	Wind S.E., moderate or fresh; much cloud, some rain or drizzle; visibility poor at times; moderate temperature.	South Cone still flying all districts.
11. E. Scotland		
12. S.W. Scotland 13. Isle of Man	Wind S.E., strong to a gale on the coast, moderating gradually after to-day; much cloud, some rain; visibility poor at times; moderate temperature.	
14. N. & N.W. Scotland 15. Hebrides	Moderate or fresh Northeasterly winds; cloudy, occasional rain or drizzle; visibility moderate or good; little change of temperature.	
16. Orkneys and Shetlands	As for 11	
17. N.W. Ireland 18. N.E. Ireland	Moderate NE wind; cloudy, occasional rain or drizzle; visibility poor at times; moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	Wind N.E., strong to high at first, moderatimg somewhat; much cloud, some rain or showers; visibility poor at times; rather colder.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.45 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF Wednesday, 27th September, 1922
Scale - 1:10,000,000
Nautical Miles
Statute Miles
1018
1020
1016
1014
1012
1010
1008
1006
1004
1002
1000
998
996
994
992
990
988
HIGH
LOW
Barometric Changes
Slight
Barometer
Rising
Barometer Steady
Bar. changes
Slight
Cloudy
O'cast.
Fair
Fine
Rain
Mist.
Fog.
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
Land Reports.
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1½ miles.
5. Poor " " 2½ "
6. Moderate " " 5 "
7. Good " " 6 "
8. Very good " " 12 "
9. Excellent " " 31 "
Beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Wednesday 27th September 1922. No. 270

Observations at 0100 G.M.T. 27

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1012.5	+1	SE	5	bc-	50	85	7	4000	Cu	2	A.Sr	5	•
Stornoway	1002.5	+2	-	0	0/0	•	•	•	•	•	•	•	•	•
Wick	1005.1	+1	SE	8	0/0	53	92	6	800	Sr	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	996.9	+4	E	5	crr	55	97	6	1500	Sr	8	-	8	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1001.9	+2	ESE	2	c-	52	97	7	-	Sr	7	-	7	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1001.5	0	S	1	orr	53	97	6	4000	Nb	10	-	10	•
Blacksod Point														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	994.2	+2	ENE	4	c/0	55	85	6	1500	Sr	8	-	8	•
Holyhead	994.5	+1	E	3	c-	56	85	8	2500	SrCu	7	-	7	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1000.6	-1	ESE	3	orr	54	97	5	450	Sr	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1000.6	0	SE	2	o/r	54	97	7	1500	Sr	10	-	10	•
Gorleston	1002.6	0	SE'S	5	o/r	58	92	6	4000	Nb	10	-	10	•
Valencia (Cahirciveen)														•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	990.0	-2	ESE	7	o/p	57	85	7	2500	Nb	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	1000.5	0	SSE	2	b	54	92	7	-	-	0	-	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1000.5	0	SSE	4	b	55	97	8	-	-	0	-	0	•
Scilly (St. Mary's)	984.6	0	SSW	4	or/0	55	97	6	4000	Nb	10	-	10	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	995.1	0	S	7	o+	58	85	6	4000	Sr	10	-	10	•
Southampton (Calshot)	997.6	0	S'E	4	b	58	85	8	4000	SrCu	2	-	2	•
Dungeness	1001.3	-1	SSW	3	b	59	97	8	-	-	0	-	0	•
Jersey (7h) / Guernsey (1h)	995.9	-2	SSE	6	bc+	57	92	8	5700	Nb	5	-	5	•

Observations at 0700 G.M.T. 27

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1013.1	+2	SSE	5	bc	50	85	7	5700	SrCu	2	Ci.Cu	6	4
Stornoway	1003.7	+3	-	0	0	48	97	6	2500	Nb	9	-	9	0
Wick	1006.8	+2	SE	8	o/0	53	92	6	800	Sr	10	-	10	7
Castlebay	1003.0	+2	E	4	bc	55	85	6	2500	SrCu	3	A.Sr	6	3
Nairn	1004.4	•	E	1	c/r	53	92	8	4000	Cu.Nb	7	-	7	•
Aberdeen	1006.8	+3	SE	4	orr	52	97	5	1500	Nb	10	-	10	4
Malin Head	1000.6	+3	E	4	mmbc	55	97	5	-	-	0	Ci.Cu	4	3
Renfrew	1002.5	+2	ENE	3	o/r	53	92	5	2500	Sr	10	-	10	•
Edinburgh (Inchkeith)	1002.6	+1	E	3	o/r	53	97	7	-	Sr	10	-	10	3
Leuchars	1003.6	+3	ESE	3	orr	53	97	5	<150	Nb	10	-	10	•
Eskdalemuir	1002.5	+2	NE	3	c	50	92	7	2500	SrCu	6	A.Cu	7	•
Tynemouth	1002.7	+1	S	2	mo	54	97	5	2500	Sr	10	-	10	2
Blacksod Point														•
Donaghadee	999.8	+1	SE	3	c-	55	92	7	-	-	0	A.Cu	7	2
Birr Castle	994.3	•	W	1	c-	54	92	7	4000	Cu	8	-	8	•
Collinstown	997.1	+3	ENE	4	c-	55	85	5	800	Sr	2	A.Cu	7	•
Holyhead	996.6	+4	E'N	5	c-	56	85	8	1500	SrCu	4	A.Sr	8	2
Liverpool (Bidston)	998.3	+1	SE'S	5	c	55	85	4	2500	Sr	2	Ci.Sr	8	4
Chester (Shotwick)	997.6	+4	E	4	o	56	85	6	1500	Sr	10	-	10	•
Spurn Head	1001.8	+1	SE	3	o/r	55	97	5	1500	Sr	10	-	10	4
Nottingham	1000.5	•	E	1	o+	54	92	6	1500	Nb	2	Ci	9	•
Cranwell	1000.9	+1	SE.E	2	fo+	53	97	2	<150	Sr	10	-	10	•
Gorleston	1002.7	0	SE	3	o+	57	97	5	-	-	0	A.Sr	10	4
Valencia (Cahirciveen)														•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	992.0	+3	ESE	8	o/p	56	92	7	2500	Nb	10	-	10	6
Ross-on-Wye	997.1	+2	ESE	3	o/p	55	85	8	2500	Nb	10	-	10	•
Benson	998.5	+1	ESE	4	c/p	54	92	6	-	Cu	5	Ci	7	•
Andover	998.0	0	SE	3	o+	54	97	7	1500	Nb	9	-	9	•
S. Farnborough	998.9	+1	E	2	o+	54	92	6	1500	Nb	10	-	10	•
London (Kew Obsy.)	1000.4	+1	E'S	2	c	54	92	6	2500	SrCu	3	Ci.Sr	7	•
Croydon	1000.5	+1	SE'E	2	c-	54	92	6	1500	Sr	6	Ci.Cu	8	•
Clacton-on-Sea	1001.3	0	SSE	3	c+	58	92	7	-	-	0	A.Sr	8	2
Shoeburyness	1001.1	0	SE	1	bc/r	57	85	7	5700	SrCu	1	Ci	8	*
Grain	1000.9	0	ESE	3	c/r	56	92	7	-	-	0	Ci	8	0
Lympne	1001.1	0	SE	3	o	55	92	8	800	Sr	6	Ci.Sr	10	•
Scilly (St. Mary's)	988.2	+4	S	4	o/0	55	92	6	2500	Nb	10	-	10	7
Falmouth (Pendennis)	991.0	+3	SSW	6	bc-	56	92		4000	SrCu	5	-	5	4
Plymouth (Cattewater)	993.0	+4	SSE	4	oPR	56	92	6	450	CuNb	9	ACu	10	4
Portland Bill	994.5	-1	S	7	b-	58	85	7	-	-	0	Ci.Cu	3	6
Southampton (Calshot)	997.8	+1	S'E	5	c-	58	85	7	4000	SrCu	6	ACu	8	3
Dungeness	1001.3	0	SSW	4	bc+	58	92	8	-	-	0	ACu	4	4
Jersey (7h) / Guernsey (1h)	995.6	0	SE	5	o	58	92	8	2500	SrCu	10	-	10	6

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

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 25-26 °F.	Temperature. Max. Day. 26 °F.	Rainfall.† Night 17h.-9h. 25-26 mm.	Rainfall.† Day 9h.-17h. 26 mm.	Sunshine. Sunrise to 17h. 26 hr.	Sunshine. Sunrise to Sunset. 25 hr.
Banff	o	o p g	51	56	0·1	0·2	0·0	1·2
Montrose	*	*	52	54	-	1	0·0	0·6
Llandudno	c cb	p.cbc	52	65	8	7·1	3·9	0·0
Colwyn Bay	c bc	bc	55	64	4	-	6·1	0·0
Rhyl	cbc	cbc	54	64	4	0·1	4·7	0·0
Southport	o cbc	crbcb	53	63	3	1	4·6	0·0
Blackpool	o	pc	54	63	4	0·4	3·4	0·0
Harrogate	d	d.oc	49	58	2	3	0·1	0·5
Skegness	o p	op	53	61	-	1	1·1	4·3
Aberystwyth	oc c	bc	55	63	3	-	5·5	0·0
Bath	cbcpo	cbcbo	55	63	3	1	4·4	0·0
Leamington Spa	bc	cb	53	64	4	0·4	4·2	1·7
Lowestoft	oco	o r/o	55	62	-	0·4	1·0	5·4
Felixstowe	cmop	o r	~~42~~ 47	60	-	3	0·3	7·1
Southend	o w	o r o	55	60	-	1	0·0	2·8

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 25-26 °F.	Temperature. Max. Day. 26 °F.	Rainfall.† Night 17h.-9h. 25-26 mm.	Rainfall.† Day 9h.-17h. 26 mm.	Sunshine. Sunrise to 17h. 26 hr.	Sunshine. Sunrise to Sunset. 25 hr.
Paignton	bcq	bcq	56	64	10	-	6·3	0·0
Ilfracombe	bc op	op	55	62	4	0·1	6·6	0·0
Bude	bc	bcq	52	61	4	0·2	5·3	0·0
Penzance	o c	o c	54	58	4	-	1·1	0·0
Falmouth Observatory	c o	omq	54	59	12	-	2·0	5·5
Torquay	b	c	56	62	11	-	6·0	0·0
Weymouth	c	c	55	64	6	0·1	5·9	0·4
Bournemouth	b	b bc	55	64	5	-	6·0	0·5
Portsmouth (S'thsea)	o r	bcb	57	63	4	-	4·1	2·2
Worthing	c o	or bc	57	62	1	0·1	1·2	2·5
Brighton	p	p	58	60	1	1	0·4	3·0
Eastbourne	i r o	bc	58	61	0·2	2	0·0	2·6
Hastings	op r o	o pr d	58	60	1	2	0·0	3·2
Folkestone	o	r	~~49~~ 54	63	-	6	0·0	5·6
Tunbridge Wells	o r o	o cp	~~49~~ 54	59	1	2	0·3	2·0
Ramsgate	o	o	55	64	-	8	0·0	6·5
Margate	o d	o d r	56	60	-	8	0·0	6·3
Deal	o r	r r c	56	60	-	9	0·0	5·7

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22225 THURSDAY, 28TH SEPTEMBER 1922.

Observations at 1300 G.M.T. 27th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1014·4	0	SE	4	o	52	85	7	5700	StCu	7	ASt	9	•
Stornoway	1006·1	+2	ESE	3	c-	57	85	6	800	St	5	ACu	4	•
Wick	1009·4	+2	SE	6	or₀	53	92	7	800	St	10	–	10	•
Castlebay	1005·4	+1	NE	4	c	58	75	7	2500	StCu	6	–	6	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1008·8	+2	SE'E	4	or	52	92	6	1500	Nb	10	–	10	•
Malin Head	1003·1	+2	E'N	4	bpR-	57	85	6	4000	Cu	2	Ci	3	•
Renfrew	1005·0	+2	NE	3	o	60	65	6	5700	Cu	4	Ci	10	•
Edinburgh (Inchkeith)	1005·4	+2	ENE	2	mmo	56	92	6	–	StCu	10	–	10	•
Leuchars	1006·5	+2	SE'S	3	od₀d₀	53	97	5	<150	St	10	–	10	•
Eskdalemuir	1005·7	+3	E'N	3	o	58	75	7	2500	StCu	10	–	10	•
Tynemouth	1005·6	+2	SE	2	ffo	54	97	1	2500	St	10	–	10	•
Blacksod Point														•
Donaghadee	1003·9	+4	SE	2	c-	57	85	8	–	–	0	ACu	9	•
Birr Castle		•												•
Collinstown	1002·2	+3	ENE	3	oDD	56	92	3	450	Nb	10	–	10	•
Holyhead	1000·7	+4	ENE	3	bc	60	85	8	2500	Cu	6	–	6	•
Liverpool (Bidston)	1001·6	+2	ESE	3	bc	61	65	6	2500	Cu	6	–	6	•
Chester (Shotwick)	1000·6	+2	E	2	c-	63	65	8	–	–	0	ACu	8	•
Spurn Head	1003·6	+2	SE	2	ffo	60	92	3	450	St	10	–	10	•
Nottingham	1002·1	•	E	2	ff₀	64	75	7	800	CuNb	7	CiSt	10	•
Cranwell	1003·0	+1	E	2	o	62	75	8	2500	StCu	9	ACu	10	•
Gorleston	1003·6	+1	E'N	3	mmo	58	92	5	2500	St	7	ASt	10	•
Valencia (Cahirciveen)	999·5	+4	SE'S	3	o+	58	92	7	–	StCu	9	–	9	•
Roches Point														•
Pembroke (St. Ann's H.)	998·0	+4	SE	5	bc-	60	75	7	4000	Cu	6	–	6	•
Ross-on-Wye	999·9	+2	E'S	4	o	62	75	8	4000	CuNb	8	–	9	•
Benson	1001·1	+2	ESE	4	o	59	85	7	–	St	10	–	10	•
Andover	1000·3	+1	ESE	4	or	60	85	7	800	Nb	6	ASt	10	•
S. Farnborough	1001·2	+1	SE	3	opr₀	60	85	7	1500	Nb	10	–	10	•
London (Kew Obsy.)	1001·9	+1	ESE	2	od₀d₀	60	85	6	1500	Nb	5	ASt	10	•
Croydon	1002·0	+1	E	3	or₀r₀	59	85	8	1500	Nb	4	ASt	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1002·9	+1	SW	1	orr	58	92	6	800	Nb	10	–	10	•
Grain	1002·9	+2	SE	2	oRR	57	75	6	800	Nb	10	–	10	•
Lympne	1002·7	+3	–	0	orr	55	97	6	450	Nb	10	–	10	•
Scilly (St. Mary's)	994·0	+5	SE'E	4	b	60	85	7	4000	StCu	2	–	2	•
Falmouth (Pendennis)	996·0	+4	SE	4	bc	60	85	8	4000	Cu	5	–	5	•
Plymouth (Cattewater)	996·6	+5	SSE	2	bc-	63	75	8	2500	Cu	5	–	5	•
Portland Bill	998·9	+4	SSE	6	o+	60	85	7	–	–	0	ASt	10	•
Southampton (Calshot)	1000·4	+2	SE'E	5	or₀	59	92	6	1500	Nb	8	ASt	10	•
Dungeness	1004·0	+2	–	0	rr	56	92	7	4000	Nb	10	–	10	•
Jersey 7h	997·6	+1	SE	4	b	62	85	8	–	–	0	ACu	2	•
Guernsey 1h														

Observations at 1800 G.M.T. 27th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1014·3	0	SE	3	c	50	85	7	4000	StCu	8	–	8	2
Stornoway	1006·4	0	SE	2	c	54	92	6	800	St	5	ACu	7	1
Wick	1009·6	0	SE	6	o	53	92	6	800	St	10	–	10	6
Castlebay	1006·4	0	–	0	b	56	85	8	4000	StCu	2	–	2	0
Nairn	1007·6	•	–	0	c+	55	85	8	4000	CuNb	8	–	8	•
Aberdeen	1009·7	+2	SE	4	o/r	52	92	6	1500	St	10	–	10	4
Malin Head	1004·1	+1	E	2	mmb	57	85	6	5700	StCu	2	ACu	3	1
Renfrew	1006·2	+2	ENE	3	c	57	85	5	7200	St	2	Ci	8	•
Edinburgh (Inchkeith)	1006·6	+2		3	mmo	53	97	5	–	StCu	6	–	6	2
Leuchars	1007·4	+2	E	3	mmo	53	97	4	225	St	10	–	10	5
Eskdalemuir	1006·4	+1	NE	3	bc-	53	92	6	1500	StCu	4	–	4	•
Tynemouth	1006·1	+1	SE	2	o/f	54	97	5	2500	St	10	–	10	3
Blacksod Point														
Donaghadee	1005·1	+2	ENE	1	o+	57	85	7	4000	StCu	4	ACu	9	0
Birr Castle		•												•
Collinstown	1004·6	+3	ENE	2	c-	56	92	6	2500	StCu	8	–	8	•
Holyhead	1002·7	+2	ENE	3	c-	58	85	7	5700	StCu	5	ACu	8	1
Liverpool (Bidston)	1003·0	+2	E'S	3	o+	61	75	4	1500	Nb	9	–	9	4
Chester (Shotwick)	1001·9	+2	E	2	bc-	60	55	6	2500	St	4	ACu	6	•
Spurn Head	1004·4	+1	ESE	4	orr	55	97	6	4000	Nb	10	–	10	4
Nottingham	1002·5	•	–	0	orr	56	97	3	1500	Nb	10	–	10	•
Cranwell	1003·4	0	NE'E	2	orr	55	97	6	800	Nb	10	–	10	•
Gorleston	1003·3	0	E	5	o/r	58	92	5	4000	Nb	10	–	10	6
Valencia (Cahirciveen)	1003·9	+4	SE	1	bc-	57	85	8	–	Cu	4	–	4	[illegible]
Roches Point														•
Pembroke (St. Ann's H.)	1000·9	+4	SE	5	c	58	85	8	4000	StCu	8	–	8	5
Ross-on-Wye	1002·1	+3	E	2	o	58	85	7	4000	CuNb	7	CiSt	9	•
Benson	1002·3	+2	E	1	c	54	92	6	–	–	6	Ci	7	•
Andover	1000·7	+2	E	2	c	56	92	8	1500	St	7	ACu	8	•
S. Farnborough	1002·2	+2	ENE	2	mc+	55	92	6	2500	Cu	3	ACu	7	•
London (Kew Obsy.)	1002·8	+2	E	1	mbc+	54	97	5	5700	St	4	ACu	5	•
Croydon	1002·9	+2	E	2	o/r	54	92	5	1500	St	7	ASt	10	•
Clacton-on-Sea	1002·0	-1	NNW	3	c/r	54	92	6	4000	St	8	–	8	0
Shoeburyness	1002·1	0	–	0	mo+	54	92	5	4000	StCu	5	ACu	7	•
Grain	1002·6	+1	–	0	o/r	54	92	7	4000	StCu	5	ASt	10	0
Lympne	1002·4	0	NE	2	c-	53	85	8	4000	StCu	4	ACu	7	•
Scilly (St. Mary's)	998·1	+4	E	2	b	56	92	7	–	–	0	–	0	4
Falmouth (Pendennis)	999·1	+4	ENE	3	b	57	75	8	4000	Cu	3	–	3	1
Plymouth (Cattewater)	999·7	+4	SE	1	c-	58	92	8	1500	CuNb	7	–	7	3
Portland Bill	999·9	+4	E	6	bc-	60	85	7	–	–	0	CiCu	4	5
Southampton (Calshot)	1001·6	+2	ESE	4	c	58	85	7	4000	CuNb	2	CiCu	7	2
Dungeness	1003·2	0	S	2	c	56	97	8	4000	St	4	CiCu	7	2
Jersey 7h	998·8	0	SE	4	c	61	85	8	–	–	0	ACu	7	6
Guernsey 1h														

LONDON OBSERVATIONS. 24 HOURS ENDED 0900 G.M.T. 28th (Sunshine, 15h. Humidity: Yesterday; 9h. Humidity: To-day)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall m.m. Day	Rainfall m.m. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew (24 hours ended 0700)	[illegible]	[illegible]	[illegible]	•	•	43	1	-	0.4	•	•
Croydon (24 hours ended 0700)	[illegible]	[illegible]	[illegible]	•	•	42	1	-	0.9	•	•
Greenwich (Royal Obsy.)	or	orcm	cm jp	62	48	38	3	-	2.1	95	89
City (Bunhill Row)	•	•	•	•	•	•	•	•	1.1	•	•
Westminster (St. James' Pk.)	•	•	•	62	52	•	2	-	1.7	85	93
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0.2	•	•
Camden Square	or	-	•	61	50	46	2	-	•	•	96
Kensington Palace	o	or	•	61	50	44	2	-	•	92 (18h)	90
Hampstead Observatory	•	•	•	59	50	39	2	-	0.5	•	94

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	2000 26th	<0·3	2400 26th
1·0	0600 27th		2400 27th

Kew Observatory

Max.	Time.	Min.	Time.
0·7	0600 27th	<0·3	0300 27th
0·6	1500 27th		

SOLAR RADIATION. Vertical component per square centin.etre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 27th 18 h 45 m. to 28th 05 h 00 m.

Stars.	Exposure h. m.	Record h. m.	Record %
Polaris	10.15	4-33	44
δ Ursae Minoris	10.15	3-48	37

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	[illegible]	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 28th & 29th Sept. 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.49 / 5.51	11.44 / 11.43	5.38 / 5.35
Greenwich	5.56 / 5.58	11.51 / 11.50	5.45 / 5.42
Wick	6.11 / 6.14	12.3 / 12.2	5.54 / 5.50
Valencia	6.37 / 6.39	12.32 / 12.31	6.26 / 6.23

BEAUFORT NOTATION OF WEATHER.

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

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

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

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

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

SEA DISTURBANCE.

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

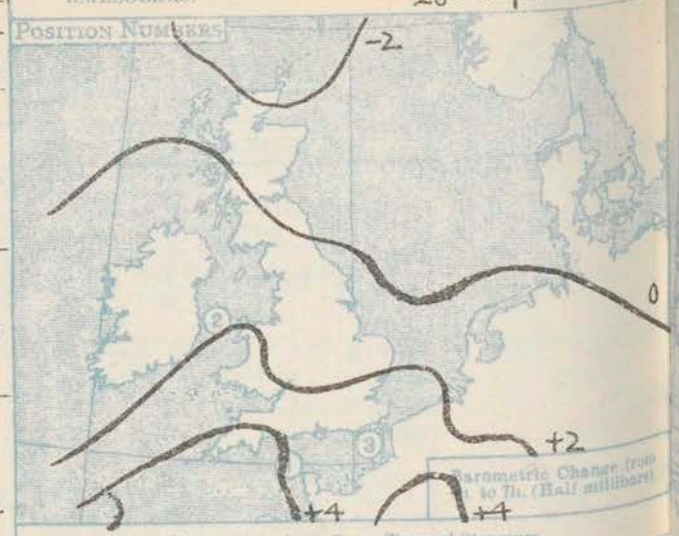
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 27th	13h.-18h. 27th	18h. 27th to 1h. 28th	1h.-7h. 28th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	c	c	o	cp	53	47	*	–	0.4	–	<2100	*
Stornoway	c	c	f o m	mo	58	42	*	–	–	–	–	3.4
Wick	oir₀	omir₀	omm	r₀r₀m	53	50	*	0.2	1	<0800	<2100	*
Castlebay	coc	pb	b	b o m	60	52	*	–	–	–	–	6.3
Nairn	o g	o g	cpgm	cgmp	56	50	*	1	1	11 00	–	0.1
Aberdeen	oirm	ir₀irm	omir₀	ocr₀m	52	51	50	7	1	<0800	2200	0.0
Malin Head	bofm	f	f	cfw	58	52	*	–	–	–	–	8.7
Renfrew	zmtoz	ozoz	comm	omp₀	61	52	51	–	0.2	–	0330	2.0
Edinburgh (Inchkeith)	oo	mm	oo	r₀r₀	58	51	51	0.1	1	1730	0330	1.5
Leuchars	rord	odm	rord	r₀r₀d	54	52	50	1	2	<0800	<2100	0.0
Eskdalemuir	oo	ocom	bcmco	omfw	59	49	48	–	0.4	–	<2100	2.5
Tynemouth	off	ffom	omirm	odc do	54	52	50	–	1	–	<2100	*
Blacksod Point							*					*
Donaghadee	bc c	cm	om	om	58	53	*	–	–	–	–	*
Birr Castle												
Collinstown	oDf	om	bcmbf	bofc	59	44	*	1	–	1430	–	0.4
Holyhead	ocbc	bc.co	coom	omdm	63	55	51	–	0.3	–	0630	2.4
Liverpool (Bidston)	borbc	borbc	orf	orf	63	53	51	–	7	–	<2100	2.9
Chester (Shotwick)	omc	ocbc	orrm	or₀rf	64	56	53	–	10	–	<2100	*
Spurn Head	borbc	oo	b	oo	61	53	*	1	3	16.30	<2100	1.7
Nottingham	c	rr	rr	oo	64	53	52	4	3	14.30	<2100	3.5
Cranwell	xfm	rom	orm	omcm	63	49	47	4	6	16.30	<2100	1.9
Gorleston	ocom	orrm	co	cbm	59	50	40	4	0.2	1430	<0100	0.4
Valencia (Cahirciveen)	c	bc	b				*					*
Roches Point												
Pembroke (St. Ann's H.)	c	c	oc	coz	62	54	*	0.4	–	<0800	–	7.2
Ross-on-Wye	cp₀	opou	[illegible]	[illegible]	62	51	50	–	trace	–	–	1.1
Benson	r₀o	op₀c	bc	cmw	61	47	45	Trace	trace	9.30	–	*
Andover	opf₀	o mrc	oo	oomw	61	52	49	Trace	–	–	–	0.5
S. Farnborough	cloprsro	orscm	r om	og	61	50	42	0.1	–	<0800	–	0.1
London (Kew Obsy.)	omrodm	omicm	bcmobf	offw	61	51	43	1	–	11 00	–	0.4
Croydon	cp₀r₀	oromm	obbcwd	bbfm	59	47	42	1	–	11 00	–	0.9
Clacton-on-Sea	or	oc	cdc	co	61	52	47	9	0.2	11 00	<2100	1.0
Shoeburyness	corrm	orrcm	orm	cm	60	50	44	6	trace	0900	–	1.8
Grain	cor R	oR r₀	bcb	bcomc	59	50	46	8	trace	<0800	–	1.8
Lympne	omrr	orr	c	oo	58	51	43	9	0.1	<0800	–	0.5
Scilly (St. Mary's)	cpbc	bcb	b	bfc	60	54	*	0.6	0.1	<0800	0330	6.4
Falmouth (Pendennis)	bc	bcb		bcc	60	55	*	–	–	–	–	10.3
Plymouth (Cattewater)	borbc	bcp	borm	cb	64	50	42	0.2	–	<0800	–	6.8
Portland Bill	bc	oc	obc	bco	60	56	*	–	–	–	–	*
Southampton (Calshot)	o f₀r₀	p	cbprb	c	63	54	53	0.2	trace	12 30	<2100	2.2
Dungeness	bc	orr	bc	bbcbd	59	55	*	10	0.6	0900	<2100	*
Jersey 7h	occc	bc	o	occo	61	55	*	–	–	–	–	5.5
Guernsey 1h												

ISALLOBARS. 28th Sept. 1922



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Pressure.
2	27th 1600	Anglia	ENE	6	cp	57	56	[illegible]
3	28th 0100	Brighton	S	2	bcjp	58	59	8

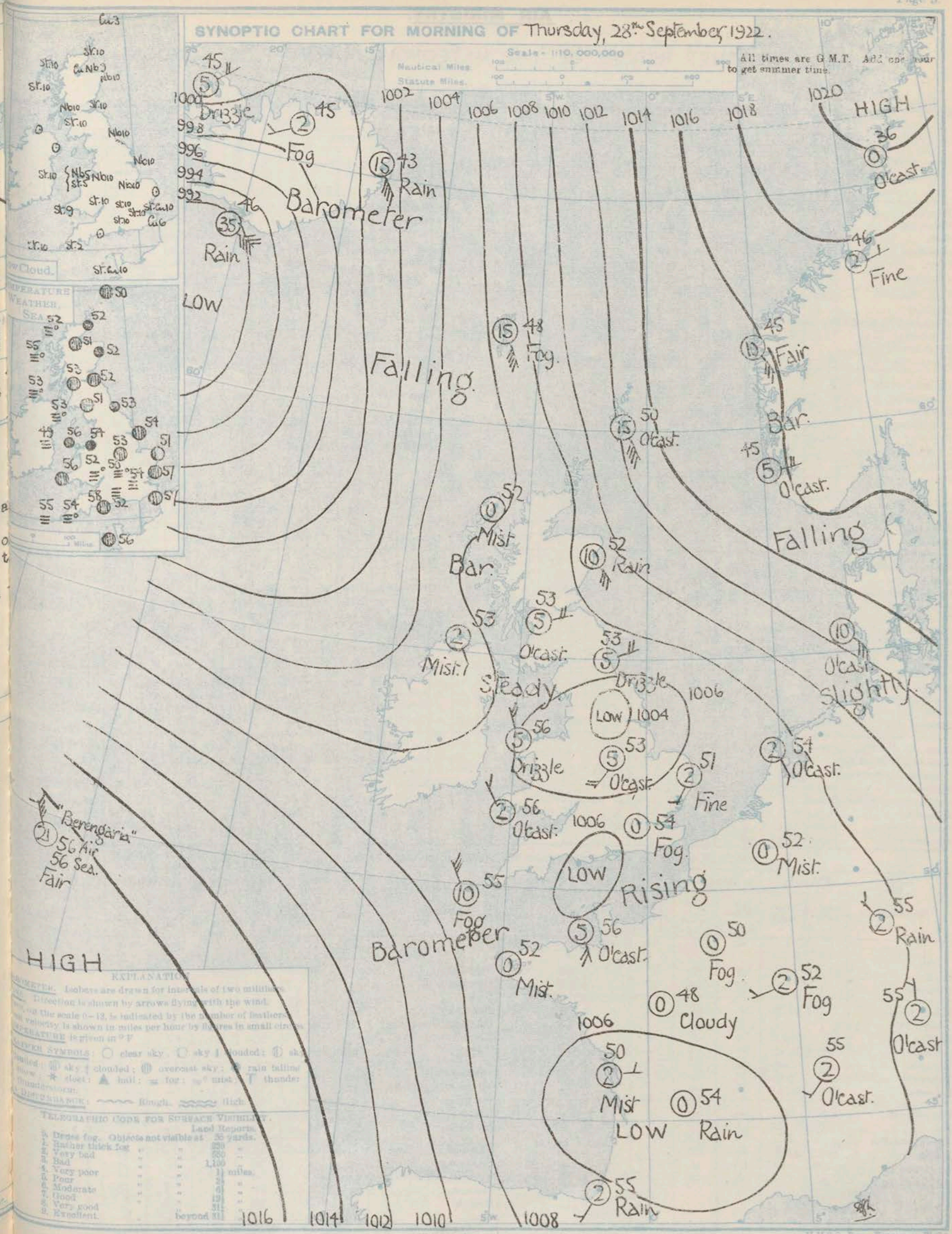
GENERAL INFERENCE.

After light variable winds and generally cloudy weather, with local rain or drizzle, the wind will become southwesterly as a result of a depression which is developing to the south of Iceland, and the weather will be fair for a time in the South and East of England.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 28th September, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind light and indefinite; cloudy at first, with local drizzle, fairer later; visibility moderate during the day, mist or fog at night; no important change of temperature.	
5. S.W. England 6. South Wales	Light NW wind backing to W; mainly fair; visibility moderate to good during the day, slight mist at night; moderate temperature.	With-held.
7. North Wales 8. N.W. England 9. N. Midlands	Wind light and indefinite, becoming SW later; cloudy, local drizzle; visibility poor at first, improving somewhat; moderate temperature.	
10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light or moderate Easterly wind, veering to S. or SW later; cloudy, local drizzle; visibility poor to moderate; no important change of temperature.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Moderate SE. to S. wind, much cloud, local rain or drizzle; visibility poor to moderate; no important change of temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland	As 7 - 9.	
20. S.W. Ireland	Moderate W to SW winds; cloudy, some rain later; visibility moderate; no important change of temperature.	

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

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF Thursday, 28th September 1922.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
All times are G.M.T. Add one hour to get summer time.
HIGH
Barometer
Falling
Rising
Steady
Slightly
LOW
Berengaria
Low Cloud.
TEMPERATURE WEATHER SEA

AIR MINISTRY.

Thursday, 28th September 1922.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Thursday 28TH September 1922. No. 271

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1036	+2	ES	4	b-	51	88	7	-	-	0	CuCu	3	•
Stornoway	1008.3	0	-	0	fb	•	•	3	•	•	•	•	•	•
Wick	1009.6	+2	SE	5	0	52	92	6	800	St	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1005.7	0	-	0	mmo	55	92	6	5700	St.Cu	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1007.4	+1	E	3	0fr	52	97	7	-	Nb	10	-	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1007.0	0	E	2	0fr	53	97	6	4000	Nb	10	-	10	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1006.9	0	-	0	b	45	97	1	-	-	0	-	0	•
Holyhead	1004.9	+1	-	0	0	56	92	6	1500	St	10		10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1006.1	0	SE'S	3	0fr	55	97	5	1500	St	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1006.6	+2	WSW	2	0	53	97	5	450	St	10	-	10	•
Gorleston	1008.5	+2	-	0	bc-	52	97	7	4000	Nb	4	-	4	•
Valencia (Cahirciveen)	1007.1	+1	-	0	b	55	92	8	-	St	3	-	3	•
Roche Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1005.4	+2	NE	2	c	55	92	7	2500	St	8	-	8	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	51	•	•	•	•	•	•	•	•
Croydon	1005.2	+1	-	0	bc+	51	97	5	800	St	4	-	4	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1004.9	0	SE	3	0	55	97	7	800	St	10	-	10	•
Scilly (St. Mary's) ...	1004.6	+5	NNE	1	b	54	97	8	-	-	0	-	0	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1003.0	+2	E'S	4	b-	57	85	7	-	-	0	CiCu	3	•
Southampton (Calshot)	1004.0	+1	E	3	b	57	92	8	4000	St.Cu	2	-	2	•
Dungeness	1002.8	+2	SW	3	b-	56	97	8	-	CuNb	2	-	2	•
Jersey (7h)	1003.4	+5	S	1	bc	56	97	8	4000	Nb	10	-	10	•
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1012.5	-2	SSE	4	0fr	50	85	7	4000	Cu	3	A.St	10	5
Stornoway	1005.1	-1	-	0	mo-	52	97	4	450	St	10	-	10	4
Wick	1007.9	-2	SE	5	0fr	52	92	6	450	St	10	-	10	1
Castlebay	1006.3	0	SE	2	mmo	55	85	6	800	St	10	-	10	•
Nairn	1006.6	•	-	0	0fr	51	92	7	4000	CuNb	9	-	9	4
Aberdeen	1008.7	-1	SE'E	3	0fr	52	92	6	1500	Nb	10	-	10	
Malin Head	1005.4	0	SSE	1	mbc	53	92	5	-	-	0	A.Cu	4	0
Renfrew	1007.6	0	E	2	0fr	53	97	5	2500	Nb	10	-	10	•
Edinburgh (Inchkeith)	1006.4	-1	E	2	0fr	52	97	7	-	St	10	-	10	2
Leuchars	1007.1	-1	-	0	0fr	52	97	6	225	St	10	-	10	•
Eskdalemuir	1006.3	0	N	3	0	51	97	6	800	St	10	-	10	2
Tynemouth	1006.1	0	ENE	2	0	53	97	6	4000	Nb	10	-	10	
Blacksod Point ...	1007.3	0	N	1	mmo	53	97	4	-	-	0	A.St	9	0
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1007.6	+1	-	0	ff0	49	92	3	450	St	10	-	10	0
Holyhead	1005.9	+2	NW'N	2	0	56	97	4	<150	Nb	10	-	10	2
Liverpool (Bidston) ...	1004.7	0	NNW	1	0fr	54	97	2	800	Nb	10	-	10	•
Chester (Shotwick) ...	1004.0	+1	W	3	0	55	97	3	800	Nb	10	-	10	
Spurn Head	1004.8	0	S	3	0	54	97	6	4000	Nb	10	-	10	4
Nottingham	1004.9	•	SW	2	0	53	97	6	1500	Nb	10	-	10	•
Cranwell	1005.4	+1	S	2	bc-	50	97	6	1500	St.Cu	6	-	6	•
Gorleston	1006.9	+1	SSW	1	b-	51	97	5	-	-	0	C.St	2	1
Valencia (Cahirciveen)														
Roche Point	1007.2	+3	NNW	1	0	56	92	7	450	St	9	-	9	2
Pembroke (St. Ann's H.)	1006.4	+2	S	1	mmo	52	97	4	2500	St	10	-	10	•
Ross-on-Wye	1006.3	+3	-	0	mmo	50	97	4	-	St	10	-	10	•
Benson	1006.4	+3	-	0	0	53	97	5	450	St	10	-	10	•
Andover	1006.5	+3	-	0	0	52	97	2	450	St	10	-	10	•
S. Farnborough ...	1007.0	+3	-	0	0-	54	97	2	800	St	10	-	10	•
London (Kew Obsy.) ...	1007.1	+3	-	0	mo-	52	97	5	2500	St.Cu	10	-	10	
Croydon	1006.5	+2	SW	2	0	57	85	7	7200	St.Cu	10	-	10	1
Clacton-on-Sea ...	1006.1	+2	-	0	mc-	56	85	6	4000	St.Cu	9	-	9	*
Shoeburyness	1006.7	+2	SE	2	c-	55	97	4	2500	St.Cu	6	A.Cu	8	0
Grain	1006.5	+2	SSE	1	0	56	97	6	800	St	9	-	9	•
Lympne	1007.7	+4	NW'N	3	bfo	55	97	2	225	St	10	-	10	3
Scilly (St. Mary's) ...	1007.1	+4	NW	3	mc	54	97	5	225	St	3	A.Cu	8	1
Falmouth (Pendennis)	1007.0	+4	ENE	1	mo-	52	97	5	<150	St.Cu	10	-	10	0
Plymouth (Cattewater)	1005.6	+3	NE	3	0+	53	85	6	-	-	0	A.St	10	2
Portland Bill	1006.3	+2	N	2	0	55	92	6	2500	St.Cu	7	A.Cu	10	0
Southampton (Calshot)	1006.4	+3	SW	2	bc-	57	97	8	4000	Cu	6	-	6	2
Dungeness	1006.4	0	SE	2	0	56	92	8	4000	St.Cu	10	-	10	0
Jersey (7h)														
Guernsey (1h)														

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

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 26-27 °F.	Temperature. Max. Day. 27 °F.	Rainfall.† Night 17h.-9h. 26-27 mm.	Rainfall.† Day 9h.-17h. 27 mm.	Sunshine. Sunrise to 17h. 27 hr.	Sunshine. Sunrise to Sunset. 26 hr.
Banff	or	o	52	54	6	3	0·0	0·0
Montrose			52	53	27	1	0·0	0·0
Llandudno	c	bc.c	51	64	-	-	4·0	3·9
Colwyn Bay ...	bc	bc c	54	64	-	-	3·3	6·1
Rhyl	bc	bcc	51	65	-	-	2·3	4·7
Southport	cbc	co	51	63	-	-	3·2	4·6
Blackpool	c	om	52	63	0·2	-	3·7	3·2
Harrogate	o	oc	52	62	0·1	-	2·3	0·1
Skegness	o	dp	55	60	1	5	3·7	1·1
Aberystwyth ...	oc	bc	56	66	-	-	5·5	6·0
Bath	ocbc	bc.co	55	63	1	Trace	1·8	4·4
Leamington Spa ...	o	or	53	62	-	-	0·4	4·2
Lowestoft	o	ord	56	60	5	4	0·3	1·0
Felixstowe	bcom	omr	54	61	7	15	1·9	0·3
Southend	oror	orom	54	60	2	6	1·8	0·0

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 26-27 °F.	Temperature. Max. Day. 27 °F.	Rainfall.† Night 17h.-9h. 26-27 mm.	Rainfall.† Day 9h.-17h. 27 mm.	Sunshine. Sunrise to 17h. 27 hr.	Sunshine. Sunrise to Sunset. 26 hr.
Paignton	bpqco	bpdq	59	63	13	2	2·9	6·3
Ilfracombe								
Bude	pdc	bc.b	55	65	3	1	6·6	5·3
Penzance	bcb	bcb	55	61	2	-	9·1	1·3
Falmouth Observatory	bc	bcm	55	61	3	-	9·6	2·0
Torquay	po	o	56	62	10	5	3·6	6·5
Weymouth	oc	c	57	62	0·2	-	2·4	5·9
Bournemouth ...	bc	c	56	63	-	-	1·6	6·0
Portsmouth (S'thsea)	c	b	58	62	-	-	2·9	4·1
Worthing	bcc	cbc	57	60	-	-	2·0	1·2
Brighton	oc	o.bcc	57	61	-	-	1·3	0·6
Eastbourne	bco	bc	57	59	0·1	-	0·3	0·2
Hastings	oid	oidoc	56	59	0·3	3	6·6	0·0
Folkestone	r	r	50	62	11	9	0·0	0·0
Tunbridge Wells ...	op	o	53	59	-	1	0·5	0·3
Ramsgate	b.bcr	ro	55	61	7	3	0·6	0·0
Margate	o	or	55	61	7	4	0·5	0·0
Deal	orbcr	rrc	55	60	6	6	0·6	0·0

* 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. 22,226 FRIDAY, 29th SEPTEMBER 1922.

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1010·7	-2	SSE	4	o	51	75	7	4000	Cu	3	ASt	10	•
Stornoway	1004·0	-1	SSE	3	o/r	55	85	5	450	St	10	–	10	•
Wick	1005·8	-2	SE	5	or_0r_0	52	97	6	800	St	10	–	10	•
Castlebay	1005·4	0	SW	4	mmo	55	85	6	450	St	10	–	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1007·1	-2	SE	2	o	53	92	6	1500	St	10	–	10	•
Malin Head	1006·4	+1	W	3	cPR	56	92	7	5700	Nb	3	ACu	7	•
Renfrew	1006·6	-1	–	0	or_0+	54	92	5	2500	Nb	10	–	10	•
Edinburgh (Inchkeith)	1005·9	-1	E	2	orr	53	97	6	–	Nb	10	–	10	•
Leuchars	1006·0	-1	–	0	or_0	53	92	7	450	Nb	10	–	10	•
Eskdalemuir	1005·7	0	NNE	1	od_0d_0	53	92	6	800	Nb	10	–	10	•
Tynemouth	1004·9	-1	–	0	orr_0	54	97	1	2500	St	10	–	10	•
Blacksod Point														•
Donaghadee	1007·3	0	NE	1	cm-	57	85	6	–	–	0	ACu	7	•
Birr Castle	1009·6	•	W	1	o-	57	85	7	4000	Cu	9	–	9	•
Collinstown	1009·3	+2	WNW	3	om-	59	92	5	800	StCu	10	–	10	•
Holyhead	1007·3	+1	W'N	3	o/r	57	92	6	<150	St	10	–	10	•
Liverpool (Bidston)	1006·3	+1	W'N	4	or-	55	97	7	7200	Nb	9	–	9	•
Chester (Shotwick)	1005·5	+1	WNW	3	or_0r_0	57	85	5	800	St	10	–	10	•
Spurn Head	1005·6	+1	SSW	4	o	59	85	6	2500	St	10	–	10	•
Nottingham	1005·8	•	W	3	o	59	85	6	800	Nb	10	–	10	•
Cranwell	1006·4	0	WSW	3	o+	63	~~85~~ 79	6	2500	~~Cu~~St	10	–	10	•
Gorleston	1008·1	+1	SW'W	2	o	59	85	7	4000	StCu	9	–	9	•
Valencia (Cahirciveen)	1013·2	+1	W	2	o+	56	97	6	–	St	10	–	10	•
Roches Point														•
Pembroke (St. Ann's H.)	1009·2	+2	W	2	o	60	85	7	2500	StCu	10	–	10	•
Ross-on-Wye	1007·1	0	W	2	o	62	75	7	4000	Cu	5	ACu	9	•
Benson	1007·5	+1	–	0	o	62	75	5	–	Cu	10	–	10	•
Andover	1007·7	+1	WNW	3	o	63	75	7	1500	Nb	10	–	10	•
S. Farnborough	1007·5	+1	WSW	2	o/t	64	75	7	2500	Cu	6	ACu	9	•
London (Kew Obsy.)	1007·6	0	WSW	2	o	63	75	6	2500	Cu	6	ACu	10	•
Croydon	1007·6	0	W	2	o	63	75	7	2500	StCu	10	–	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1007·9	0	SE	1	mmo	61	85	6	5700	StCu	9	–	9	•
Grain	1007·9	+1	–	0	o+	61	85	7	2500	StCu	10	–	10	•
Lympne	1008·2	0	SW	2	c	62	85	8	800	St	7	CiSt	8	•
Scilly (St. Mary's)	1011·0	+3	WNW	3	o	57	92	7	4000	StCu	10	–	10	•
Falmouth (Pendennis)	1009·9	+2	NW	2	bc+	61	85	7	4000	Cu	5	–	5	•
Plymouth (Cattewater)	1009·2	+2	WSW	2	cpr_0	61	85	7	2500	CuNb	8	–	8	•
Portland Bill	1007·6	+2	NE	2	b-	61	85	7	–	–	0	CiCu	3	•
Southampton (Calshot)	1008·4	+2	WSW	4	o/t	62	85	7	1500	StCu	6	ACu	9	•
Dungeness ?	1008·2	+1	SW	3	bc	63	85	8	–	–	0	Ci	4	• ?
Jersey 7h / Guernsey 1h	1009·9	+2	SE	3	o	61	85	8	4000	StCu	10	–	10	•

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1008·9	-2	S	4	or_0	50	92	6	2500	Nb	10	–	10	3
Stornoway	1004·9	+1	WNW	2	opr_0	49	85	5	450	St	10	–	10	2
Wick	1004·4	-1	SSE	4	o/r	52	97	6	450	St	10	–	10	4
Castlebay	1008·3	+3	WSW	5	b/f	51	75	8	1500	Cu	2	ASt	3	4
Nairn	1004·7	•	–	0	o/r	53	97	7	4000	CuNb	9	–	9	•
Aberdeen	1005·7	-1	–	0	orr	52	92	5	2500	Nb	10	–	10	1
Malin Head	1009·5	+4	WNW	5	bPR	51	85	7	4000	CuNb	3	–	3	3
Renfrew	1006·8	+1	WNW	2	o/r	54	92	6	1500	St	10	–	10	•
Edinburgh (Inchkeith)	1005·6	0	WSW	2	o/r	52	97	6	–	–	0	ASt	10	1
Leuchars	1005·4	0	–	0	orr	51	97	6	~~225~~ 600	Nb	10	–	10	5
Eskdalemuir	1007·2	+1	WNW	2	o	52	92	5	800	St	10	–	10	•
Tynemouth	1005·1	+1	–	0	orr	54	97	5	4000	Nb	10	–	10	0
Blacksod Point														
Donaghadee	1010·2	+5	NW	3	bc	52	75	8	4000	CuNb	3	Ci	4	3
Birr Castle	1014·4	•	W	2	b-	51	75	7	4000	Cu	3	–	3	•
Collinstown	1012·9	+6	NW	4	o	54	85	7	1500	St	7	ASt	9	•
Holyhead	1009·8	+3	WNW	5	o/r	57	85	7	2500	StCu	6	ACu	9	4
Liverpool (Bidston)	1008·9	+3	W	4	o/r	56	97	5	1500	Nb	10	–	10	5
Chester (Shotwick)	1007·9	+3	W	4	o	58	85	5	800	St	10	–	10	•
Spurn Head	1005·6	0	W'S	5	od	57	92	5	2500	Nb	10	–	10	4
Nottingham	1008·2	•	W	2	orr	56	92	4	1500	Nb	10	–	10	•
Cranwell	1008·0	+2	W	3	o/r	56	92	6	2500	StCu	10	–	10	•
Gorleston	1008·9	0	SSW	3	o	58	92	6	4000	StCu	9	–	9	0
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1012·5	+3	NW	2	o	57	85	7	2500	StCu	9	–	9	3
Ross-on-Wye	1010·3	+4	W	2	mo	58	85	6	2500	St	8	CiCu	9	•
Benson	1009·9	+1	SW	1	c	59	85	5	–	–	0	ACu	8	•
Andover	1010·3	+4	~~WSW~~ W	2	o	58	92	6	2500	StCu	10	–	10	•
S. Farnborough	1009·9	+3	WSW	1	mmo	58	85	6	7200	StCu	3	ACu	10	•
London (Kew Obsy.)	1009·8	+3	SW	2	o-	60	85	5	5700	StCu	4	ACu	9	•
Croydon	1009·9	+3	SW	2	o	58	92	6	4000	StCu	7	ACu	9	•
Clacton-on-Sea	1008·8	+1	S	3	o	59	92	7	7200	StCu	10	–	10	0
Shoeburyness	1009·3	+1	SW	1	fo+	60	85	3	2500	StCu	10	–	10	•
Grain	1009·6	+3	SSW	2	o+	60	85	6	2500	StCu	10	–	10	0
Lympne	1010·3	+2	SW	2	c-	57	92	7	1500	StCu	7	–	7	•
Scilly (St. Mary's)	1014·3	+4	NW	3	o	56	92	7	4000	StCu	9	–	9	3
Falmouth (Pendennis)	1012·6	+4	NW	3	bc	57	85	7	4000	StCu	5	–	5	0
Plymouth (Cattewater)	1012·5	+6	WNW	3	o-	59	85	8	2500	Cu	9	–	9	0
Portland Bill	1009·6	+2	W	2	cpr_0	60	85	6	1500	StCu	8	–	8	3
Southampton (Calshot)	1010·7	+4	W'S	2	otl	59	92	6	–	–	0	ACu	10	0
Dungeness	1009·7	+1	SW	4	b	59	92	8	–	–	0	ACu	3	4
Jersey 7h / Guernsey 1h	1011·1	+1	WNW	3	b	60	85	8	–	–	0	ACu	2	0

LONDON OBSERVATIONS. 24 Hours ended 0900 G.M.T. 29th

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew (24 hours ended 0700)	ow oz	ozo bom	o/pubc bz	•	•	41	Tr	0·1	0·6	•	•
Croydon (24 hours ended 0700)	or_0r_0	op_0 Tm	obm, co2	•	•	42	Tr	Tr	0·8	•	•
Greenwich (Royal Obsy.)	o	ocid	oldbjp	67	48	41	-	-	1·0	70	64
City (Bunhill Row)	•	•	•	•	•	•	•	•	0·2	•	•
Westminster (St. James' Pk.)	•	•	•	66	45	x	-	-	0·6	69	60
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0·8	•	•
Camden Square	om	c	•	65	47	43	-	0·3	•	•	69
Kensington Palace	co	o	•	64	48	40	-	-	•	85 (18h)	62
Hampstead Observatory	•	•	•	62	45	36°	Tr	0·3	0·5	•	67

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1800 G.M.T. 28th

South Kensington

Max.	Time.	Min.	Time.
1·0	1800 27th	0·3	1300 28th
1·3	0600 28th		

Kew Observatory

Max.	Time.	Min.	Time.
1·1	1700 27th	<0·3	1200-1400 28th
1·2	0100 28th		

SOLAR RADIATION. Vertical component per square centimetre. During yesterday. South Kensington.

Total .... joules.
Average Rate .... Milliwatts.
Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 28th 18h 45m to 29th 05h 00m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	10·15	3·30	34
δ Ursae Minoris	10·15	2·41	26

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

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

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 29th & 30th SEPT., 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·51 / 5·53	11·43 / 11·43	5·35 / 5·33
Greenwich	5·58 / 6·0	11·50 / 11·50	5·42 / 5·40
Wick	6·14 / 6·17	12·2 / 12·2	5·50 / 5·47
Valencia	6·39 / 6·41	12·31 / 12·31	6·23 / 6·21

BEAUFORT NOTATION OF WEATHER.

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

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

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

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

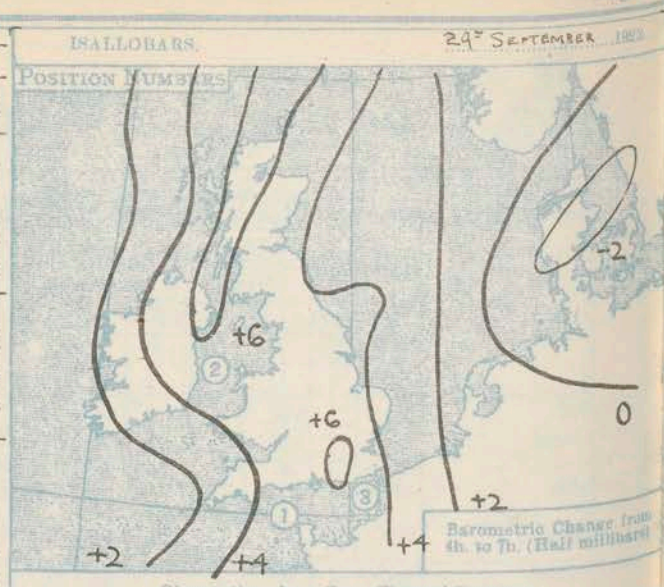
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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

[1] For explanation see Introduction. [2] Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 28th	13h.-18h. 28th	18h. 28th to 1h. 29th	1h.-7h. 29th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	cq	o q	omr	omr	51	49	•	0·6	9	15·30	<2100	•
Stornoway	p	p	rord	pr	55	44	•	1	Trace	–	–	0·0
Wick	orrm	omrr	omyr	orrp	52	45	•	11	13	<0800	<2100	•
Castlebay	omom	ofpbc	bcb	bcpc	55	47	•	0·3	0·5	–	–	1·2
Nairn	dm	c	iRog	cm	55	43	•	3	4	0900	2200	0·0
Aberdeen	Porom	omrr	orrm	rmbcp	54	47	44	8	6	<0800	<2100	0·0
Malin Head	cfq	cqPR	cq PR	cq PR	57	45	•	0·3	0·6	1290	–	3·6
Renfrew	omrdd	oir	bb	bx	55	39	29	2	–	<0800	–	0·0
Edinburgh (Inchkeith)	zmd	mm	bbc	bbc	54	44	41	4	1	1330	0530	0·0
Leuchars	rord	orrz	bbc	bbc	53	43	36	8	0·5	0900	<2100	0·0
Eskdalemuir	oidm	Dmom	omcbq	bcb	53	41	38	2	1	<0800	<2100	0·0
Tynemouth	orr	orrfm	oir	bbcm	55	42	39	10	2	<0800	<2100	•
Blacksod Point ...							•					•
Donaghadee	cm	cqp	b	bc	60	42	•	Trace	–	1430	–	•
Birr Castle	coz c	cprbc	bc	cox	60	37	29	0·3	–		–	
Collinstown	oom	oo	cbcb	bbc	61	37	x	–	–	–	–	1·4
Holyhead	odd	rroco	cbcb	bb	59	50	45	0·3	–	<0800	–	0·0
Liverpool (Bidston) ...	rord	rord	bcq	bcq	56	49	42	4	–	<0800	–	0·0
Chester (Shotwick) ...	orrporo	oroom	omopq	ombbc	58	48	42	4	0·1	<0800	2200	•
Spurn Head	oo	oo	oo	c	60	47	•	0·1	2	1730	<2100	1·8
Nottingham	do	oo	Yo	bbcm	59	45	40	1	0·6	1530	<2100	0·0
Cranwell	p	rord	orrcbc	bbc	62	43	35	0·3	3	1630	<2100	6·2
Gorleston	bbcc	c	ooroc	cbcb	64	47	43	–	0·3	–	<2100	4·9
Valencia (Cahirciveen)	o											
Roches Point							•					•
Pembroke (St. Ann's H.)	oo	oo	bvq	bbc	61	49	•	–	–	–	–	3·1
Ross-on-Wye	omrco	oqPoo	coz	bcqb	65	45	38	1	–	0900	–	0·9
Benson...	mo	o	Ro	ob	63	41	31	Trace	3	–	<2100	•
Andover	omco	oco	oc	cbcbw	64	42	35	–	Trace	–	–	0·4
S. Farnborough ...	omo	oomm	omrom	ob	65	42	34	–	Trace	–	<2100	0·2
London (Kew Obsy.)...	owoz	ozopom	opobc	bcbzw	64	48	41	Trace	0·1	1430	<2100	0·6
Croydon	oroo	oporm	omroc	cozb	63	47	42	Trace	Trace	0900	2200	0·8
Clacton-on-Sea ...	c	co	cpc	cbc	61	48	44	–	0·2	–	2200	1·4
Shoeburyness	form	form	bcb	offc	65	47	44	Trace	Trace	–	–	3·4
Grain	ombco	opom	omc	cbcmb	65	48	44	1	–	1530	–	3·3
Lympne	omc	Pr	oo	oo	63	48	42	0·5	–	1530	–	5·4
Scilly (St. Mary's) ..	c	oc	bcb	bc	60	50	•	–	–	–	–	1·0
Falmouth (Pendennis)	cmbc	cm		obcb	63	50	•	–	–	–	–	5·3
Plymouth (Cattewater)	cmo	cpro	ob	bw	65	48	42	0·1	–	1330	–	5·5
Portland Bill	oc	cpo	cb	b	62	48	•	0·2	–	1530	–	•
Southampton (Calshot)	oo	cbrco	c	bbc	63	49	48	1	–	1330	–	0·6
Dungeness .. .	bc	borbc	cbbco	cq	63	50	•	–	3	–	–	•
Jersey 7h } .. Guernsey 1h }	oco	ocb	o	ob	62	56	•	–	–	–	–	1·6



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Pressure.
2	28th 1000	Anglia	NW	4	om	56	56	6
3	29th 0200	Dieppe	NW	1	o	59	60	7

GENERAL INFERENCE.

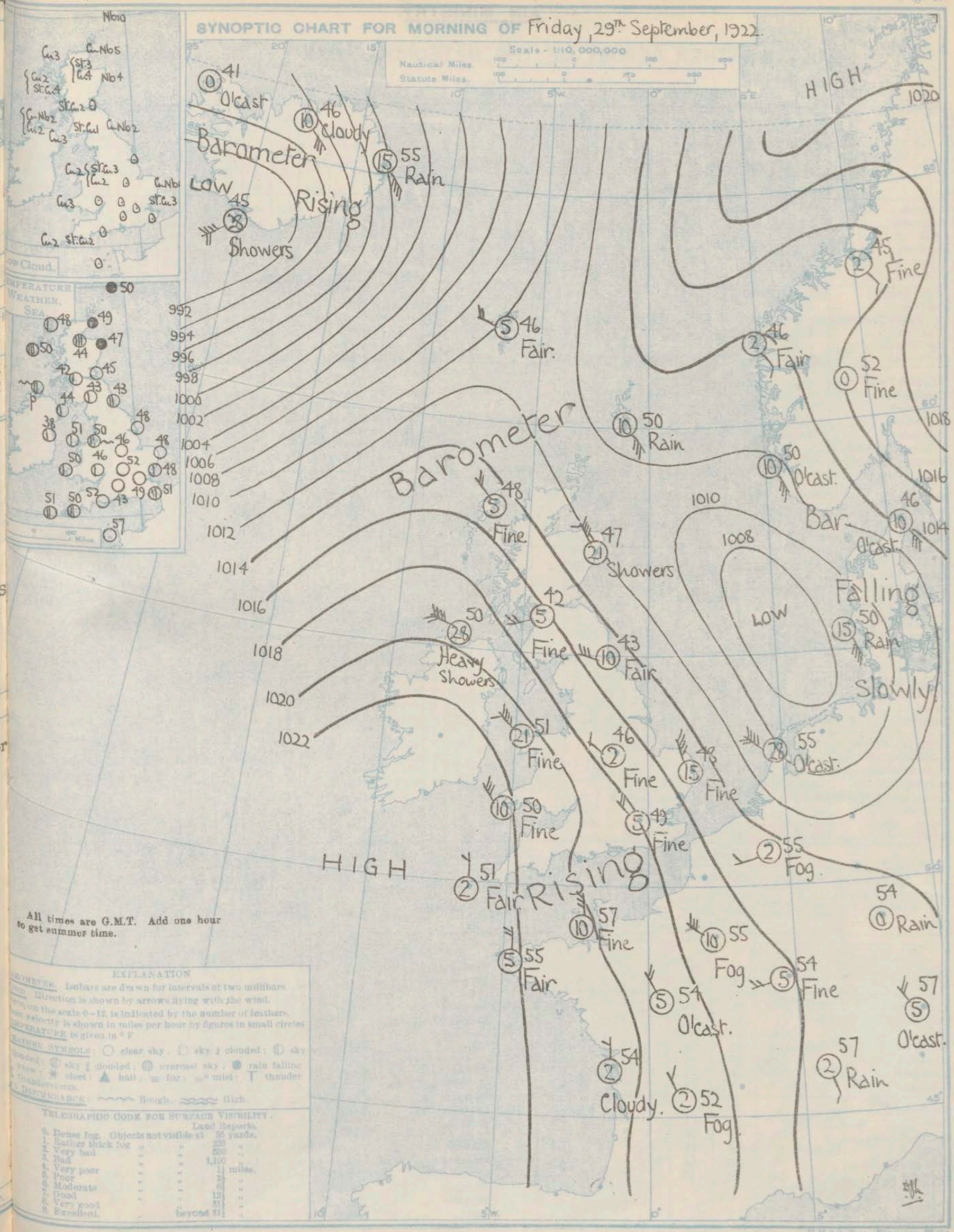
A wedge of high pressure will probably move slowly across the British Isles maintaining North-westerly winds and generally fair weather, which will probably last for a day or two over eastern England and be replaced by SW to S winds and unsettled conditions in in the west during the week-end.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 29th September, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland	Moderate or fresh Northwesterly winds; fair; visibility good; moderate day temperature, risk of ground frost at night.	Fair for a day or two over Eastern England. Unsettled in the West and North.
12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides	Moderate NW wind, backing to W or SW later; mainly fair but cloudy at times; visibility good; moderate temperature,	
16. Orkneys and Shetlands 17. N.W. Ireland	Wind light and indefinite; cloudy with some rain at first, becoming fair; moderate temperature.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light to moderate Westerly winds, backing to SW; fair at first, cloudier and less settled later; visibility mainly good during the day, mist locally at night; moderate day temperature; risk of ground frost inland at night.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0950 GMT. LYN G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF Friday, 29th September, 1922.



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.
Wind velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in °F.
WEATHER SYMBOLS: ○ clear sky, ◐ sky ½ clouded; ◑ sky clouded; ◕ sky ⅞ clouded; ● overcast sky; ● rain falling; ● snow; ✱ sleet; ▲ hail; ≡ fog; ≡ mist; T thunderstorm; ⚡ thunderstorm.
SEA. DISTURBANCE: ~~~ Rough. ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

		Land Reports.
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	" "	1 miles.
5. Poor	" "	2 "
6. Moderate	" "	6 "
7. Good	" "	12 "
8. Very good	" "	31 "
9. Excellent.	Beyond	31 "

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... FRIDAY, 29th SEPTEMBER 1922. No. 272...

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1007.7	0	S	4	or r	50	97	6	4000	Nb	10	-	10	*
Stornoway	1011.3	+5	W	2	b-	*	*	6	*	*	*	*	*	*
Wick	1006.8	+2	NW	3	o RR	46	97	8	800	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1015.0	+5	WNW	6	b PR	49	75	7	7200	CuNb	2	-	2	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1009.5	+4	W	4	b/f	48	85	8	-	-	0	-	0	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1009.3	+4	W	3	b/r	50	85	7	-	-	0	-	0	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Collinstown	1019.8	+6	WSW	3	b	40	92	8	5700	St.Cu	1	-	1	*
Holyhead	1019.9	+3	NW'W	5	b-	52	75	8	2500	Cu	1	-	1	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1009.7	+2	NW'W	6	bc/r	55	92	5	1500	St	4	-	4	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1013.8	+5	NW'W	4	b-	540	85	7	1500	St	1	-	1	*
Gorleston	1011.2	+1	WNW	3	o	55	92	6	4000	St	9	-	9	*
Valencia (Cahirciveen)														*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1019.2	+3	NW	4	b	51	75	9	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	55	*	*	*	*	*	*	*	*
Croydon	1014.3	+3	W	3	c-	55	92	6	2500	St	8	-	8	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1013.6	+3	WNW	3	c	53	97	7	4000	St.Cu	8	-	8	*
Scilly (St. Mary's) ...	1020.0	+5	N	4	b	53	85	8	-	-	0	-	0	*
Falmouth (Pendennis)														*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1015.2	+4	NW	4	b-	58	85	7	-	-	0	-	0	*
Southampton (Calshot)	1015.0	+3	WSW	2	b-	55	92	8	-	-	0	A.St	3	*
Dungeness	1013.3	+3	NW	2	o	56	97	7	2500	Cu	10	-	10	*
Jersey (7h)	1016.2	+5	WNW	5	bc-	57	92	6	5700	St	5	-	5	*
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1013.1	+7	SE	3	or r+	50	97	6	4000	Nb	10	-	10	2
Stornoway	1015.0	+5	NW	2	b	48	85	6	4000	Cu	3	-	3	1
Wick	1011.7	+5	NW	4	o br	49	85	8	2500	Cu Nb	5	Cu.St	9	3
Castlebay	1017.7	+3	W	4	bc	50	65	8	1500	Cu	6	-	6	4
Nairn	1014.7	*	-	0	c/r	44	85	8	1500	Cu	7	-	7	*
Aberdeen	1012.1	+5	NW'N	5	c br	47	75	7	2500	Nb	4	A.St	7	1
Malin Head	1018.6	+4	WNW	6	bc PR	50	75	7	5700	Cu Nb	4	-	4	6
Renfrew	1017.0	+6	WSW	2	b	42	92	8	2500	St.Cu	2	-	2	*
Edinburgh (Inchkeith)	1014.7	+5	WNW	4	b	45	85	8	-	-	0	-	0	2
Leuchars	1014.4	+5	W	3	b	45	75	8	-	-	0	A.St	1	*
Eskdalemuir	1016.9	+5	WNW	4	b	43	85	8	2500	St.Cu	1	-	1	*
Tynemouth	1014.4	+3	WNW	3	bc	43	92	6	4000	Cu Nb	2	A.Cu	4	1
Blacksod Point ...														*
Donaghadee	1014.7	+5	NW	2	b+	44	85	8	4000	Cu	3	-	3	0
Birr Castle	1023.4	*	W	1	bc+	37	97	8	4000	St Cu	3	Ci	6	*
Collinstown	1023.1	+6	WSW	3	b	38	92	8	4000	St Cu	1	Ci	3	*
Holyhead	1022.0	+5	NW'W	5	b-	51	75	8	1500	Cu	2	A.St	3	4
Liverpool (Bidston) ...	1019.1	+4	WNW	6	bc-	50	75	8	5700	St.Cu	5	-	5	6
Chester (Shotwick) ...	1018.8	+5	WNW	4	bc+	50	75	8	2500	St.Cu	6	-	6	*
Spurn Head	1014.7	+5	W'N	6	b	48	75	6	-	-	0	-	0	5
Nottingham	1017.0	*	WNW	1	b	46	85	5	-	-	0	-	0	*
Cranwell	1017.3	+4	W'N	3	b	44	92	6	-	-	0	-	0	*
Gorleston	1015.0	+3	NNW	4	b-	48	75	7	4000	Cu Nb	1	-	1	0
Valencia (Cahirciveen)														*
Roches Point														*
Pembroke (St.Ann's H.)	1023.2	+3	NNW	3	b	50	75	8	4000	Cu	3	-	3	3
Ross-on-Wye	1020.6	+4	W'S	2	b	46	75	9	-	-	0	Ci	1	*
Benson...	1019.6	+4	NNW	1	b/r	42	92	8	-	-	0	-	0	*
Andover	1020.2	+5	WNW	2	b-	43	92	8	-	-	0	-	0	*
S. Farnborough ...	1019.2	+6	WNW	1	b-	43	97	8	-	-	0	-	0	*
London (Kew Obsy.) ...	1019.6	+5	WNW	2	b	49	75	6	-	-	0	-	0	*
Croydon	1019.4	+5	NW'W	2	b	47	75	7	-	-	0	-	0	*
Clacton-on-Sea ...	1016.6	+4	WNW	3	b	48	85	7	7200	St.Cu	3	-	3	0
Shoeburyness	1017.9	+3	NW	2	b/f	49	75	7	-	-	0	-	0	0
Grain	1017.9	+8	W	3	b	49	85	7	-	-	0	-	0	*
Lympne	1017.9	+5	NW	4	b-	48	85	7	7200	St.Cu	2	-	2	
Scilly (St. Mary's) ...	1023.3	+2	N	1	bc	51	85	8	4000	Cu	2	Ci Cu	5	3
Falmouth (Pendennis)	1022.9	+2	N	3	bc-	50	85	8	4000	St.Cu	2	A.Cu	4	0
Plymouth (Cattewater)	1022.8	+4	NNW	1	b	49	75	8	-	-	0	Ci	1	0
Portland Bill	1019.8	+4	NW'N	4	b	52	85	7	-	-	0	-	0	1
Southampton (Calshot)	1020.4	+6	NW'N	3	b-	50	85	7	4000	St.Cu	1	-	1	0
Dungeness	1017.7	+4	N	4	bc-	51	85	8	-	-	0	A.Cu	6	4
Jersey (7h)	1020.6	+2	N	3	b	57	75	8	-	-	0	-	0	0
Guernsey (1h)														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 27-28 °F.	Temperature. Max. Day. 28th °F.	Rainfall.† Night 17h.-9h. 27-28 mm.	Rainfall.† Day 9h.-17h. 28th mm.	Sunshine. Sunrise to 17h. 28th hr.	Sunshine. Sunrise to Sunset. 27th hr.
Banff	o	or	51	55	1	4	0.0	0.0
Montrose			51	55	3	6	0.0	0.0
Llandudno	or	ro	51	58	3	1	0.0	4.0
Colwyn Bay ...	cd	co	55	58	3	1	7	3.3
Rhyl...	r	ro	55	58	7	3	0.0	2.3
Southport	oro	oro	54	55	8	2	0.0	3.2
Blackpool	o	co	54	56	8	1	0.0	3.7
Harrogate	f	fdor	51	56	16	1	0.0	2.3
Skegness	b	co	48	63	7	-	5.3	3.7
Aberystwyth ...	roo	o	54	59	1	-	0.0	5.5
Bath	o	ocr	54	63	-	Trace	0.5	1.8
Leamington Spa ...	c	or	44	60	1	-	0.0	0.4
Lowestoft	b+co	o	50	63	0.2	-	3.7	0.3
Felixstowe	c	c	50	60	0.5	-	1.1	1.9
Southend	bc c	og	52	67	0.1	-	3.6	1.8
Paignton	w bc	bc	54	66	-	2	2.4	3.1
Ilfracombe	oc	co	54	60	-	-	2.6	6.4
Bude	o	ipdo	51	62	0.4	-	0.6	6.6
Penzance	bc	bc c	52	64	-	-	5.4	9.3
Falmouth Observatory	bc	cm	52	65	-	-	5.0	9.6
Torquay	bc	b	54	64	-	0.4	3.3	3.6
Weymouth	oc	cpo	54	68	-	1	3.6	2.4
Bournemouth ...	o	o	52	62	Trace	1	0.3	1.6
Portsmouth (S'thsea)	o	o	55	64	-	-	1.0	2.9
Worthing	bc	bc	57	66	Trace	-	6.3	2.0
Brighton	c	c	56	64	-	-	6.4	1.3
Eastbourne	bcb	bc	54	65	-	-	10.0	0.8
Hastings	w bc	bcb	55	64	Trace	-	8.9	0.6
Folkestone	bc	bc	51	60	-	-	4.8	0.0
Tunbridge Wells ...	bcb	cpo	51	67	-	Trace	3.8	0.5
Ramsgate	bbc cr	bbcc	52	64	1	-	5.7	0.6
Margate	bc cb	b.or	53	66	-	0.2	4.7	0.5
Deal	bc c	bc cr c	50	64	6	1	5.5	0.7

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22,227 SATURDAY 30th SEPTEMBER 1922.

Observations at 1300 G.M.T. 29th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1017.2	+4	-	0	or,r₀	50	92	7	2500	Nb	10	-	10	•
Stornoway	1019.3	+4	NW	3	b	54	65	7	4000	Cu	3	-	3	•
Wick	1016.8	+6	NW	5	o	52	85	8	2500	CuNb	7	ACu	9	•
Castlebay	1021.1	+2	W	3	bc	53	63	8	2500	StCu	4	-	4	•
Nairn	1020.8	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1016.1	+4	NWN	5	opr₀	52	75	7	2500	Nb	10	-	10	•
Malin Head	1021.0	+3	W	3	c+	54	65	7	4000	Cu	2	ASt	7	•
Renfrew	1020.7	+3	NW	3	bc+	55	65	9	2500	Cu	3	CiSt	4	•
Edinburgh (Inchkeith)	1017.8	+3	WSW	3	b+	54	65	8	•	Cu	2	-	2	•
Leuchars	1017.6	-2	WNW	5	o	57	55	8	2500	StCu	2	-	2	•
Eskdalemuir	1019.2	+2	NW	5	b	54	55	8	4000	Cu	2	-	2	•
Tynemouth	1017.5	0	WNW	3	b	55	65	7	-	•	0	ACu	2	•
Blacksod Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	1021.6	+1	NNW	1	bc	56	65	8	5700	Cu	4	-	4	•
Birr Castle	1023.6	•	SW	1	c+	54	75	8	4000	Cu	5	ACu	8	•
Collinstown	1024.6	+1	WSW	2	o+	55	65	8	2500	Cu	4	ASt	9	•
Holyhead	1023.1	+2	NW	3	bc+	55	65	9	2500	Cu	2	ASt	4	•
Liverpool (Bidston)	1021.9	+2	WNW	4	bc	54	65	8	2500	Cu	4	-	4	•
Chester (Shotwick)	1021.2	+1	WNW	5	bc	56	65	8	4000	Cu	5	-	5	•
Spurn Head	1017.3	+3	WNW	7	bc	55	92	7	4000	Cu	5	-	5	•
Nottingham	1020.1	•	W	2	b	56	55	7	4000	Cu	1	-	1	•
Cranwell	1019.8	+2	NNW	4	c	56	65	7	2500	Cu	8	-	8	•
Gorleston	1018.0	+3	NW	5	bc+	55	65	7	4000	Cu	6	-	6	•
Valencia (Cahirciveen)	1023.3	0	SSE	3	cr,r₀	53	65	8	-	Cu	7	-	7	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1025.2	+2	WNW	3	o	53	65	8	4000	StCu	9	-	9	•
Ross-on-Wye	1022.7	+2	NW	4	bc	57	55	9	4000	Cu	3	CiSt	4	•
Benson	1021.9	+1	NW	4	bc	56	55	8	-	Cu	5	-	5	•
Andover	1022.4	+2	~~SW~~ NNW	5	bc+	55	65	8	2500	Cu	5	CiSt	6	•
S. Farnborough	1022.1	+2	NW	4	bc+	53	65	8	2500	Cu	4	-	4	•
London (Kew Obsy.)	1021.6	+1	NW	3	bc	57	55	7	4000	Cu	6	-	6	•
Croydon	1021.2	+1	NW	3	c+	56	55	7	4000	Cu	7	-	7	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1020.0	+1	NNW	5	b+	57	55	7	4000	Cu	3	-	3	•
Grain	1020.1	+1	NW	5	bc+	58	75	8	2500	Cu	5	-	5	•
Lympne	1020.0	+1	NWN	5	bc	55	55	8	2500	Cu	4	-	4	•
Scilly (St. Mary's)	1024.9	+1	-	0	c	57	92	8	4000	StCu	6	ACu	8	•
Falmouth (Pendennis)	1025.7	0	-	0	bc+	56	75	8	4000	Cu	2	CiSt	6	•
Plymouth (Cattewater)	1024.7	+1	NNW	2	o+	56	55	9	4000	StCu	2	CiSt	10	•
Portland Bill	1023.0	+4	W	5	b+	57	75	7	-	-	0	Ci	3	•
Southampton (Calshot)	1023.0	+1	N	4	b	57	55	8	4000	Cu	+3	-	+3	•
Dungeness	1019.8	+2	N	5	bc+	58	55	7	4000	Cu	6	-	6	•
Jersey 7h / Guernsey 1h	1023.7	0	NNW	3	b	58	92	8	-	-	0	ACu	2	•

Observations at 1800 G.M.T. 29th

Stations.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1020.7	+4	S	2	or	49	85	7	4000	StCu	9	-	9	1
Stornoway	1019.6	0	-	0	o+	49	85	6	800	St	10	-	10	0
Wick	1019.7	+3	NW	2	o	50	92	8	4000	Nb	7	ASt	9	2
Castlebay	1019.9	0	SE	4	bc	52	75	8	2500	StCu	6	-	6	4
Nairn	1020.5	•	-	0	bc-	47	85	8	1500	St	2	Ci	4	•
Aberdeen	1019.6	+4	NWN	4	c-	50	75	7	4000	StCu	8	-	8	3
Malin Head	1019.8	-2	SSE	2	c	51	75	7	-	-	0	ASt	8	5
Renfrew	1021.3	+1	W	1	c+	47	85	8	4000	St	2	ACu	8	•
Edinburgh (Inchkeith)	1020.1	+2	WNW	1	c+	54	75	8	-	-	0	ACu	8	1
Leuchars	1019.4	+2	-	0	o	53	65	8	5700	St	8	Ci	9	•
Eskdalemuir	1021.8	+2	WNW	4	b.	46	75	6	4000	StCu	3	-	3	•
Tynemouth	1019.4	+2	NE	3	cjp	54	65	6	4000	Nb	8	-	8	2
Blacksod Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	1022.0	0	NW	1	bc-	58	85	8	-	-	0	ACu	5	0
Birr Castle	1022.7	•	S	1	o+	51	76	6	1500	St	2	A st	9	•
Collinstown	1024.3	0	SSW	2	bo	49	85	6	2500	St	8	ASt	10	•
Holyhead	1023.7	0	SW	2	o	52	75	8	2500	Cu	1	ASt	9	1
Liverpool (Bidston)	1023.1	+2	WNW	4	c+	50	75	8	2500	Cu	5	ASt	8	4
Chester (Shotwick)	1022.5	+2	W	3	o+	50	75	6	-	-	0	ASt	10	•
Spurn Head	1018.9	+1	NNW	6	b	54	75	7	1500	St	1	-	1	6
Nottingham	1021.8	•	W	3	b	52	75	5	-	•	0	CiSt	3	•
Cranwell	1021.4	+2	WNW	3	bc	50	75	6	2500	StCu	5	-	5	•
Gorleston	1019.9	+1	NNW	2	b-	51	75	6	4000	Cu	2	-	2	0
Valencia (Cahirciveen)	1019.5	-2	SE	3	oPD	52	97	6	-	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1026.3	0	WNW	2	o	52	97	8	2500	St	10	Ci	10	3
Ross-on-Wye	1024.2	+3	WNW	2	c+	50	85	8	-	-	0	Ci	8	•
Benson	1023.7	+2	WSW	1	bc-	48	75	8	-	-	0	Ci	5	•
Andover	1023.8	+1	WNW	3	bc	49	85	8	2500	StCu	2	CiSt	4	•
S. Farnborough	1023.5	+2	WNW	2	c	50	75	8	-	-	0	CiSt	8	•
London (Kew Obsy.)	1023.0	+2	WNW	1	mb+	53	65	5	-	-	0	CiSt	1	•
Croydon	1023.1	+4	NW	2	bc-	52	65	6	4000	Cu	1	CiSt	5	•
Clacton-on-Sea	1021.0	+3	W	2	c+	53	65	6	2500	Cu	7	-	7	1
Shoeburyness	1021.9	+2	NW	1	mb	51	75	7	-	-	0	CiSt	1	•
Grain	1022.4	+4	W	3	b	48	75	7	4000	StCu	2	Ci	4	0
Lympne	1022.2	+3	WNW	3	b	47	75	6	4000	Cu	2	-	2	•
Scilly (St. Mary's)	1025.9	+1	-	0	o	53	85	8	4000	StCu	10	-	10	2
Falmouth (Pendennis)	1026.3	+2	-	0	o+	53	75	7	2500	StCu	10	-	10	0
Plymouth (Cattewater)	1025.7	+2	NW	2	o	53	65	8	-	-	0	ASt	10	0
Portland Bill	1024.6	+2	W	4	b	56	75	7	-	-	0	Ci	3	3
Southampton (Calshot)	1024.2	+2	NW ~~NW~~	4	b	53	75	7	4000	StCu	1	Ci	3	0
Dungeness	1022.0	+2	NW	3	bc-	52	75	7	-	-	0	ASt	6	3
Jersey 7h / Guernsey 1h	1025.3	+1	NW	2	bc	55	85	8	-	St	6	-	6	0

London Observations

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 30th								Yesterday.		To-day.
Kew (24 hours ended 0700)	bbxy	bcxbz	bzbwx	•	•	27	-	-	9.8	•	•
Croydon (24 hours ended 0700)	bbcc	cbtxy	bc nwx	•	•	29	-	-	10.7	•	•
Greenwich (Royal Obsy.)	b	bccb	bjbo	59	38	31	-	-	9.2	55	83
City (Bunhill Row)	•	•	•	•	•	•	•	•	9.0	•	•
Westminster (St. James' Pk.)	•	•	•	61	39	•	-	-	9.5	53	85
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	8.9	•	•
Camden Square	obw	c	•	60	39	35	-	-	•	•	86
Kensington Palace	bbc	bcb	•	59	39	29	-	-	•	65 (184)	87
Hampstead Observatory	•	•	•	58	37	28	-	-	10.1	•	90

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 29th

South Kensington Max.	Time.	Min.	Time.
0.6	1900 28	0.3	0100 29
0.6	0900 28		

Kew Observatory Max.	Time.	Min.	Time.
0.6	1800 28	<0.3	0900 - 1300 29
0.5	0700 28		

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..... Joules

Average Rate ..... Milliwatts.

Maximum Rate ..... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 29th 18 h. 45 m. to 30th 05 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	10.45	10.15	100
δ Ursae Minoris	10.45	10.11	99

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
15h.	-	-	-	-
18h.	-	-	-	-
21h.	-	-	-	-
07h.	-	-	-	-

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

30th Sept. & 1st October, 1922.

Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5.53	11.43	5.33
	5.56	11.43	5.30
Greenwich	6.0	11.50	5.40
	6.2	11.50	5.38
Wick	6.17	12.2	5.47
	6.19	12.2	5.45
Valencia	6.41	12.31	6.21
	6.43	12.31	6.19

Beaufort Notation of Weather.

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

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

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

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

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

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

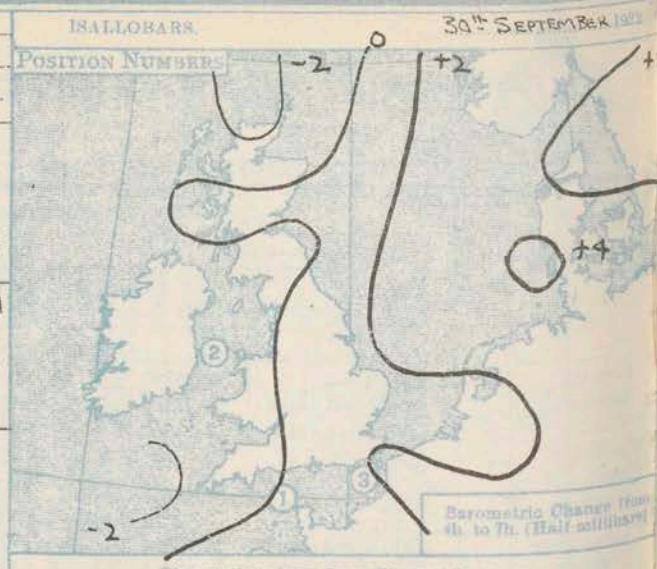
[1] For explanation see introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 3.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.–13h. 28"	Weather. 13h.–18h. 28"	Weather. 18h. 28" to 1h. 29"	Weather. 1h.–7h. 29"	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	o	omd	omd	oo	51	47	•	2	0·2	<0900	2200	•
Stornoway	bc	c	c	oro	57	44	•	-	2	-	-	6·5
Wick	oo	oo	oir	oo	52	46	•	trace	0·3	<0800	2200	•
Castlebay	cbcz	bczc	cap	op	54	50	•	-	1	-	2400	7·3
Nairn	bcm	bcxc	cq		56	36	•	-	-	-	-	6·9
Aberdeen	cpr.q	qoc	od.d.	r.r.m	54	48	44	trace	1	<0800	2200	1·7
Malin Head	c	o	o	o	55	49	•	-	trace	-	0630	4·9
Renfrew	bbcv	bcvc	com	omxp.	58	34	27	trace	trace	-	0630	8·8
Edinburgh (Inchkeith)	b-bc	c	inc	c	?	45	39	-	-	-	-	10·3
Leuchars	bbc	oo	oo	oo	57	38	30	-	-	-	-	7·4
Eskdalemuir	bby	bybcz	bbc	bcox	55	29	25	-	-	-	-	16·1
Tynemouth	b'bcmq	bcqm	ob.m	oom	57	44	41	-	trace	-	<2100	•
Blacksod Point ...												•
Donaghadee	bc	o	bc	bcmir	?58	47	•	-	1	-	0430	•
Birr Castle	co	co	cir.	coe	56	50	43	-	trace	-	<2100	*
Collinstown	c	om	ocbc	bcoo	56	47	*	-	-	-	-	4·4
Holyhead	bov	bccov	ocb	bco	56	49	43	-	-	-	-	7·1
Liverpool (Bidston) ...	bc	bbc	b	bbco	55	43	34	-	-	-	-	9·0
Chester (Shotwick) ...	b-bc	bcco	obm	bcom	57	36	30	-	-	-	-	•
Spurn Head	b-bc	b-bc	c	oo	56	48	•	-	-	-	•	9·7
Nottingham	b-bc	b-bc	c	bbcm	58	39	35	-	-	-	-	9·2
Cranwell	bbcc	cbcm	bbc	bbco	58	40	37	-	-	-	9·7	7·4
Gorleston	bbccq	bcqbc	bcco	oir.	58	46	42	-	trace	-	0130	8·5
Valencia (Cahirciveen)	bc	od	od									
Roches Point							•					•
Pembroke (St. Ann's H.)	c	oo	oo	oo	57	51	•	-	-	-	-	3·5
Ross-on-Wye	bvbcvy	bcy	cb	bmcmom	59	35	31	-	-	-	-	10·0
Benson	bbc	bc	c	bcb	57	32	27	-	-	-	-	•
Andover	bbc	bc	bcb	bbcx	58	32	27	-	-	-	-	10·6
S. Farnborough ...	bwc	cbcyc	obcb	bbccm	60	32	27	-	-	-	-	10·4
London (Kew Obsy.) ...	bbcy	bcybz	bzbmw	bmwxom	58	39	27	-	-	-	-	9·8
Croydon	bbcc	cbmy	bcbmw	bbcox	57	38	29	-	-	-	-	10·7 9·7
Clacton-on-Sea ...	bcc	bc	bcb	bbc	57	43	39	-	-	-	-	10·0
Shoeburyness	b-bc	b-bc	bcm	bm	59	40	38	-	-	-	-	9·7
Grain	b-bc	b-bc	bbc	bbcom	58	37	30	-	-	-	-	10·3
Lympne	b	bcm	bbc	bbc	57	38	31	-	-	-	-	9·9
Scilly (St. Mary's) ...	bcc	cop.	or.	omr	59	51	•	0·2	2	1630	<2100	3·1
Falmouth (Pendennis)	bbc	bcom		bccom	57	51	•	-	-	-	-	6·3
Plymouth (Cattewater)	bovy	oo	oo	oo	57	45	39	-	-	-	-	6·3
Portland Bill	bbc	b-bc	bbc	c	59	52	•	-	-	-	-	•
Southampton (Calshot)	b	bbcyb	ocbcb	c	59	40	35	-	-	-	-	10·0
Dungeness	b-bc	c	bbc	bbc	59	38	•	-	-	-	-	•
Jersey 7h. / Guernsey 1h.	b	bc	c	co	61	45	•	-	-	-	-	9·3

Isallobars.

30th September 1922



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	29th 1100	?	W	4	b	55	56	8
1	29th 1100	Ibex	NNW	4	bc–	55	58	8

General Inference.

The ridge of high pressure over England will give way before a large and deep depression advancing from the Atlantic. Winds will become Southerly, veering to SW or W later on our SW coasts, probably reaching gale force locally in Scotland Ireland and western England, and the weather will become unsettled generally although rain is not likely to extend to eastern England before Sunday.

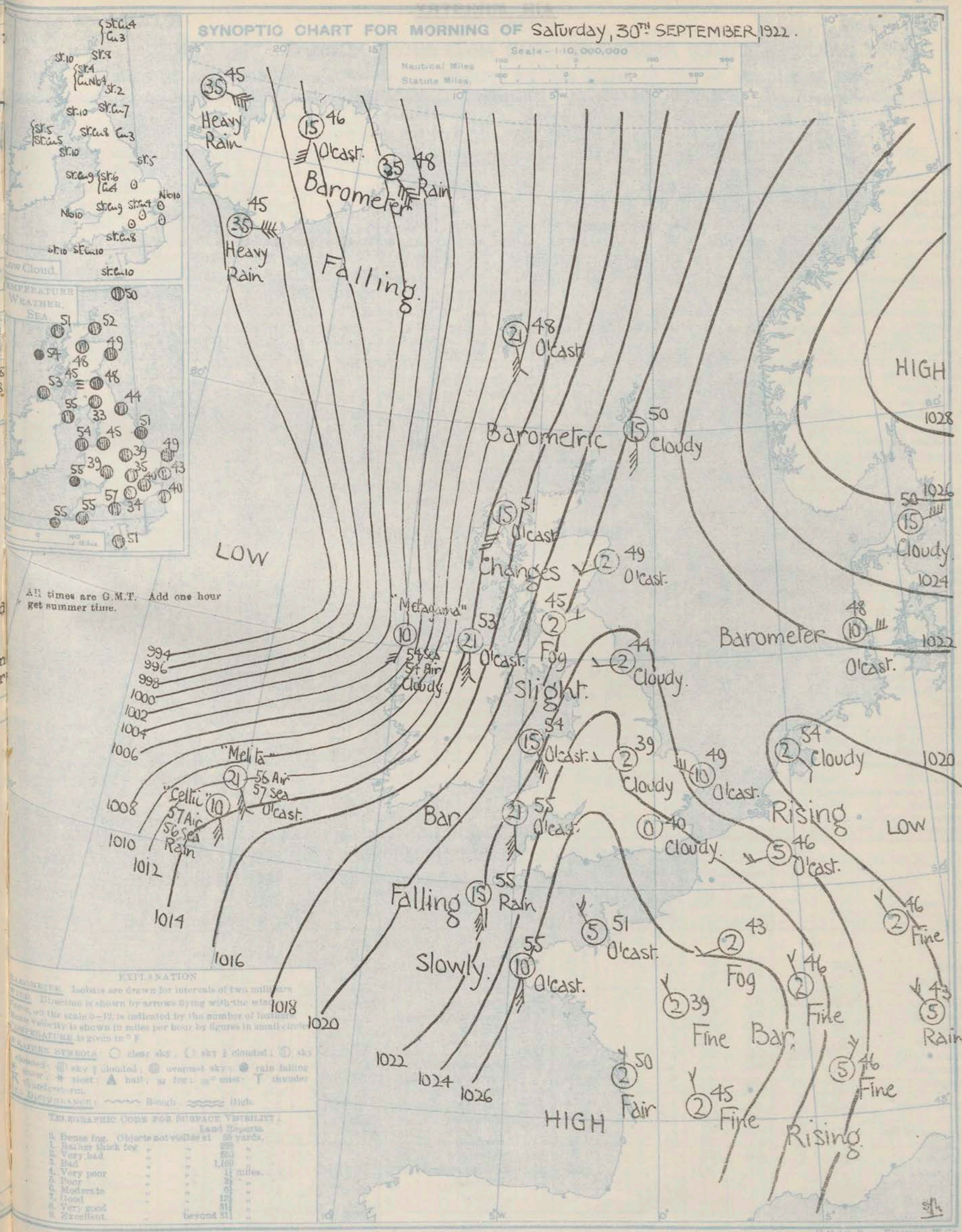
Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 30th, September, 1922.

Districts.	Forecast	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Moderate to fresh Southerly to Southwesterly winds; cloudy, some rain or drizzle later; visibility moderate; temperature rising.	Unsettled generally.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Freshening Southerly to Southwesterly winds, probably reaching gale force later; much cloud, some rain; visibility poor at times; mild.	
9. N. Midlands 10. N.E. England	Freshening Southerly to Southwesterly winds; much cloud, some rain; visibility poor at times; temperature rising.	
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	As 5 - 8.	South Cone hoisted at ▽ 4h 10 ▼ 9h 45 to-day.

E.V.N

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0935 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; hourly velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in ° F.

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

DISTURBANCE: ~~~ Rough; ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

			Land Reports.
0. Dense fog.	Objects not visible at		50 yards.
1. Rather thick fog	"	"	200 "
2. Very bad	"	"	500 "
3. Bad	"	"	1,000 "
4. Very poor	"	"	11 miles.
5. Poor	"	"	2½ "
6. Moderate	"	"	5 "
7. Good	"	"	12 "
8. Very good	"	"	31 "
9. Excellent.	"	beyond	31 "

H.M.S.O. Press, Kingston, W.Co.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION....SATURDAY 30th SEPTEMBER.1922. No.273...

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1022.1	+1	S	3	0d	50	92	6	4000	Nb	10	-	10	•
Stornoway	1019.9	-1	W	2	0	•	•	5	•	•	•	•	•	•
Wick	1019.4	-1	SE	2	0r	49	97	8	800	St	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1016.0	-4	SSE	6	0	51	75	7	5700	Nb	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1021.4	+2	W	2	b-	47	85	7	-	•	0	-	0	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1021.4	+2	W	1	0	51	85	7	-	•	0	A.St	10	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Collinstown	1024.6	-4	S'E	2	bc	50	92	7	2500	St	5	-	5	•
Holyhead	1022.7	-1	SSW	3	b	53	75	8	4000	St.Cu	2	-	2	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1020.6	+1	NW	6	0	52	85	7	4000	St.Cu	2	A.St	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1023.1	+2	W	3	b-	42	97	7	-	-	0	A.St	1	•
Gorleston	1020.3	+1	W	3	0	48	92	7	4000	Nb	10	-	10	•
Valencia (Cahirciveen)	1017.1	-4	SE'S	3	0d	51	97	6	-	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1013.9	-1	SSW	4	0	54	75	8	4000	St.Cu	9	-	9	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	1024.6	+2	W	2	b-	43	85	7	-	-	0	-	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1023.6	+1	WNW	2	b	44	97	6	-	-	0	-	0	•
Scilly (St. Mary's) ...	1024.3	-1	SSW	3	0b	54	92	7	4800	St.Cu	10	-	10	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1026.5	0	NW	2	b	55	85	7	-	-	0	-	0	•
Southampton (Calshot)	1025.3	0	NW	2	b-	42	92	8	-	-	0	A.St	1	•
Dungeness	1023.3	+1	NW	3	b	42	92	7	-	-	0	-	0	•
Jersey (7h)	1022.8	+1	-	0	c+	52	85	8	-	-	0	A.St	7	•
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1020.5	-1	S	4	c+	50	85	7	4000	St.Cu	7	-	7	3
Stornoway	1014.3	-1	SSW	4	0/r	51	92	6	450	St	10	-	10	3
Wick	1017.0	-3	SSE	6	0	52	92	8	450	St	8	A.Cu	10	4
Castlebay	1014.5	0	SSW	4	0pr	54	97	6	450	Nb	10	-	10	5
Nairn	1016.8	•	W	1	c+	48	75	8	1500	St	8	-	8	•
Aberdeen	1020.4	0	SW	1	0/r	49	92	6	1500	St.Cu	9	-	9	1
Malin Head	1015.1	0	S	5	110	53	85	7	1500	St	10	-	10	4
Renfrew	1019.1	-1	E	1	ff0	45	92	3	2500	St	10	-	10	•
Edinburgh (Inchkeith)	1020.5	-1	SSE	2	0+	48	85	6	-	St.Cu	10	-	10	1
Leuchars	1020.4	0	-	0	0	42	92	7	5700	St.Cu	8	A.Cu	9	•
Eskdalemuir	1022.5	0	-	0	0	33	92	7	4000	St.Cu	8	A.St	10	•
Tynemouth	1022.1	0	W	1	c	44	92	5	4000	Cu.	3	A.Cu	7	0
Blacksod Point ...														
Donaghadee	1018.8	-1	S	2	0/r	53	92	7	2500	St	10	-	10	0
Birr Castle	1017.1	•	S	1	0	56	92	6	2500	Nb	9	-	9	•
Collinstown	1020.0	-1	SW	2	0	54	92	7	1500	St	10	-	10	•
Holyhead	1021.2	0	S'E	4	0	54	85	8	2500	St.Cu	9	A.St	10	2
Liverpool (Bidston) ...	1022.7	0	SE	2	0+	45	85	5	1500	St	10	-	10	3
Chester (Shotwick) ...	1022.1	0	SE	3	0+	42	92	6	4000	St	6	A.St	10	•
Spurn Head	1022.1	+2	NW	4	0	51	75	7	1500	St	5	A.St	10	4
Nottingham	1023.6	•	W	1	c+	39	97	4	-	-	0	Ci	8	•
Cranwell	1023.8	+1	W	3	0	41	97	6	5700	St.Cu	4	A.Cu	10	•
Gorleston	1021.1	+1	WNW	3	0/r	49	85	6	4000	Nb	10	-	10	1
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1022.1	-1	S	5	0jb	55	92	7	1500	Nb	10	-	10	4
Ross-on-Wye	1024.6	0	-	0	mo-	39	97	6	5700	St.Cu	9	Ci	10	•
Benson...	1023.2	+2	-	0	c	35	97	7	-	St.Cu	4	Ci	7	•
Andover	1025.6	0	-	0	bc	34	92	6	-	-	0	A.Cu	6	•
S. Farnborough ...	1025.6	+1	-	0	c-	34	97	6	-	-	0	A.Cu	7	•
London (Kew Obsy.) ...	1025.4	+1	-	0	c	40	92	5	-	-	0	A.St	8	•
Croydon	1025.1	+1	W	2	0+	43	85	6	-	-	0	Ci.St	9	•
Clacton-on-Sea ...	1022.7	+1	WNW	3	bc	43	92	6	-	-	0	A.St	5	0
Shoeburyness	1024.2	+1	NW	1	mwbc	41	85	5	-	-	0	Ci	6	*
Grain	1024.7	0	WSW	4	0	43	92	5	-	-	0	Ci	4	0
Lympne	1024.3	+2	WNW	4	c	39	92	6	-	-	0	Ci	7	•
Scilly (St. Mary's) ...	1021.7	-2	S	4	0b6	55	97	5	2500	St	10	-	10	5
Falmouth (Pendennis)	1023.7	-2	SSW	4	0+	55	92	7	2500	St.Cu	10	-	10	1
Plymouth (Cattewater)	1024.8	0	SSW	3	0	55	85	8	7200	St.Cu	1	A.St	10	0
Portland Bill	1026.5	0	SW	3	c+	57	75	7	4000	St.Cu	8	-	8	2
Southampton (Calshot)	1025.5	0	NW	1	c	43	92	6	-	-	0	A.Cu	7	0
Dungeness	1024.3	+1	NNW	2	bc+	40	97	7	-	-	0	Ci.Cu	6	2
Jersey (7h)	1025.9	0	NW	2	0	51	85	8	4000	St.Cu	10	-	10	0
Guernsey (1h)														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 28-29. °F.	Temperature. Max. Day. 29. °F.	Rainfall.† Night 17h.-9h. 28-29. mm.	Rainfall.† Day 9h.-17h. 29. mm.	Sunshine. Sunrise to 17h. 29. hr.	Sunshine. Sunrise to Sunset. 28. hr.
Banff	co	0	47	52	Trace	-	0.6	0.0
Montrose	-	-	47	56	7	-	3.8	0.0
Llandudno	cbc	bcc	47	56	-	-	7.1	0.0
Colwyn Bay ...	bc	bc	49	55	-	-	7.3	0.0
Rhyl...	bc	bc	50	56	0.1	-	6.7	0.0
Southport	b	bbcco	49	55	0.2	-	8.1	0.0
Blackpool	c	bbc	45	56	4	-	7.2	0.0
Harrogate	b	b	40	56	6	-	9.3	0.0
Skegness	b	b	45	58	3	-	10.0	5.3
Aberystwyth ...	ocb	b	51	57	1	-	7.7	0.0
Bath	b	b	45	60	0.3	-	8.9	0.5
Leamington Spa ...	b	b	43	57	2	-	8.1	0.0
Lowestoft	b	b	47	58	0.1	-	9.8	3.7
Felixstowe	bc	bc	48	58	-	-	9.9	1.1
Southend	b	b	47	60	-	-	10.0	3.6

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 28-29. °F.	Temperature. Max. Day. 29. °F	Rainfall.† Night 17h.-9h. 28-29. mm.	Rainfall.† Day 9h.-17h. 29. mm.	Sunshine. Sunrise to 17h. 29. hr.	Sunshine. Sunrise to Sunset. 28. hr.
Paignton	wb	bco	47	59	-	-	5.9	2.4
Ilfracombe	bbcco	0	52	58	-	-	5.8	2.6
Bude	wbbcc	ccoo	51	57	-	-	5.9	0.6
Penzance	bccbc	bccor	48	60	-	-	4.2	5.3
Falmouth Observatory	bc	co	47	59	-	-	6.1	5.1
Torquay	b	o	46	58	-	-	5.9	3.3
Weymouth	b	bcc	46	61	-	-	7.0	3.6
Bournemouth ...	b	b	47	60	-	-	9.6	0.3
Portsmouth (S'thsea)	b	b	50	59	1	-	10.0	1.0
Worthing	b	bc	49	58	-	-	10.6	6.3
Brighton	b	bc	49	60	-	-	10.2	6.4
Eastbourne	bcb	b	49	60	-	-	10.2	10.0
Hastings	b	bbcb	49	58	-	-	10.0	6.9
Folkestone	bbc	bcc	50	60	-	-	9.6	4.8
Tunbridge Wells ...	b	b	47	59	-	-	10.1	3.8
Ramsgate	b	b	48	58	5	-	8.3	5.7
Margate	b	bbc	51	57	-	-	8.1	4.7
Deal	bccb	bbc	49	58	-	-	9.1	5.5

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, September 1922.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
1st	CASTLEBAY	0900 TEMP. 53°
	BLACKSOD	0100 " 51°
	CROYDON	0900 HUMIDITY 92%
	CASTLEBAY	NIGHT MIN. 51°
	DONAGHADEE	MAX. TEMP. 58°
	COLLINSTOWN	MIN. 44°
	CRANWELL	" 49°
	ANDOVER	" 45°
2nd	RENFREW	CLOUD FORM Nb. 18 hrs.
	SPURN	0900 BAROMETER ?
	"	" BAR. TEND. +2
	RENFREW	SUNSHINE 3.8
	CRANWELL	MIN. 45°
	"	1800-0900 RAINFALL 0.4
	CALSHOT	SUNSHINE 1.3
3rd	CROYDON	VISIBILITY 13 hrs. 6
	LIVERPOOL	MIN. 52°
	KEW.	MAX. 62°
	GRAIN.	0900-1800 RAINFALL —
	"	" TIME —
4th	LIVERPOOL	0900 WIND NW'W
	HOLYHEAD	1300 CLOUD HEIGHT <150
	S. FARNBORO'	1800 WIND CALM
	"	" WEATHER c
	"	" TEMPERATURE 58°
	GRAIN.	1300 " 64°
	"	" HUMIDITY 65%
	SCILLY	1800 TEMPERATURE 56°
	CATTEWATER	" HUMIDITY 92%
	MALIN	0900-1800 RAINFALL 0.3
	CHESTER	GRASS MIN 41°
	CROYDON	SUNSHINE 5.1
	CASTLEBAY	0900 TEMP. 55°
	KEW	" VISIBILITY 6
	BLACKPOOL	0.c bc.c 63 51 - - 1.Y 0.1
5th	RENFREW.	1300 BAR. TEND. -2
	"	1800 WIND NNE
	LEUCHARS	1300 " ESE
	"	" TEMP. 54°
	S. FARNBORO'	1800 HUMIDITY 85%
	"	" VIS. 6
	NAIRN	SUNSHINE 6.4
	MALIN	0900-1800 RAINFALL —
	LIVERPOOL	MIN. 52°
	KEW	PAST WEATHER (1800-0100) oo.
	CROYDON	0100 TEMP. 54°
6th	CHESTER	GRASS MIN. 48°
	SCILLY	0900 BAR. 1025.9
7th	CASTLEBAY	HIGH CLOUD 1800 ASt 2
	RENFREW	1300 TEMP. 63°
	STORNOWAY	SUNSHINE 7.1
	RENFREW	MIN. 43°
	"	GRASS MIN 34°
	BERLESTON	MAX. 66°
	PEMBROKE	SUNSHINE 4.4
	CATTEWATER	" 1.8
	RENFREW	VIS. 0900 5
	CLACTON	0900 TEMP. 51
	HASTINGS	w.bc.c abc.b 54 CY K. - 8.3 4.0
8th	ABERDEEN	1300 HIGH CLOUD ACu.
	MALIN	SUNSHINE 9.4
	CROYDON	" 8.6
9th	CASTLEBAY	(7-18) RAINFALL 0.4
	MALIN	SUNSHINE 0.0
	YARMOUTH	(18-7) RAINFALL 2
	S. FARNBORO	MIN. 46°
	GRAIN	MAX. 64°
	"	0900 TEMP. 51°
	CALSHOT	" HUM. 75%
	"	" CLOUD HEIGHT 5/50
10th	CRANWELL	1300. HUMIDITY 65%
	CALSHOT	(7-18) RAINFALL —
	"	" TIME of " —
	S. FARNBORO'	0900 BAR. 1023.7
	ILFRACOMBE	o.c bc.b b.bc 53 59 0.1 - 7.1 7.7
11th	LYMPNE	(1800-0900) RAINFALL TRACE
12th	CASTLEBAY	1800 WIND SW
	RENFREW.	1800 BAR. TEND. -4
	"	" HUMIDITY 85%
	ANDOVER	1300 HIGH CLOUD C. Cu
	FALMOUTH	1800 BAROMETER 1017.7
	ABERDEEN	0900 ABERDEEN fom.bc
	S. FARNBORO'	GRASS MIN 30°
	CRANWELL	0900 TEMP. 51°
	CALSHOT	" WIND FORCE 1
13th	ROSS-on-WYE	1800 BAR. 989.4
	ANDOVER	1300 TEMP. 56°
	MALIN	RAINFALL 4 (1800-0900)
	SPURN	(1800-0900) RAINFALL 0.1
	PEMBROKE	(1800-0900) "
	LYMPNE	MIN. 50°
	MALIN POINT	0900 TEMP. 53
	LEUCHARS	" BAR 985.5
	CATTEWATER	" WEATHER cPR
	"	" CLOUD Nb 8
14th	CASTLEBAY	1300 BAR. 989.3
	CRANWELL	1800 CLOUD Cu
	GORLESTON	" BAR. 985.2
	ANDOVER	" TEMP. 52°
	LYMPNE	1300 HUMIDITY 75%
	NAIRN	(0900-1800) RAINFALL 5
	CHESTER	TIME of COMMENCEMENT of RAINFALL 06.50
	CRANWELL	PAST WEATHER (1800-0100) c.bc
	GORLESTON	SUNSHINE 3.7
	LYMPNE	MIN. 47°
	SCILLY	MAX. 58°
	CALSHOT	(0900-1800) RAINFALL 0.5
	CASTLEBAY	0900 BAR. 1000.5
	RENFREW	" WIND NNW
15th	LERWICK	1800 TEMP. 52°
	CHESTER	1300 " 55°
	HOLYHEAD	1800 WIND FORCE 5
	ANDOVER	" " WNW
	ABERDEEN	MIN. 45°
	EDKDALE	MAX. 58°
	SPURN	" 56°
	"	MIN 49°
	GORLESTON	SUNSHINE 7.0
	CROYDON	PRECIPITATION BEGAN before 0800 hrs 16.30
	"	SUNSHINE 1.9
	LEUCHARS	0900 BAR. TEND. +6
	"	" HUMIDITY 65%
	"	" CLOUD HEIGHT 3,000
16th	GORLESTON	1800 WIND FORCE NNW
	ROSS-on-WYE	1800 CLOUD Cu 5 ACu 7
	CATTEWATER	1300 WIND FORCE 5
	PORTLAND	" TEMP. 60°
	PEMBROKE	MAX 56°
	LYMPNE	SUNSHINE 3.5
	LEUCHARS	0900 WIND SW
	DONAGHADEE	" BAR. 1012.1
	S. FARNBORO'	" WEATHER mmc
	PORTLAND	" TEMP. 56
17th	ABERDEEN	1300 WIND SSW
	LEUCHARS	" VISIBILITY 7
	"	1800 BAR. 995.1
	DONAGHADEE	" TEMP. 61°
	HOLYHEAD	1300 WEATHER 0
	"	1800 " od.
	SPURN	" TEMP 57°
	ABERDEEN	PAST WEATHER (1800-0100) obcm
	"	RAINFALL (0900-1800) 2 mm.
	HOLYHEAD	" " 1 "
	NOTTINGHAM	" " 0.8 "
	COLLINSTOWN	0100 WIND W'S
18th	HOLYHEAD	1300 TEMPERATURE 55°
	CHESTER.	" BAR 1006.5
	"	" " TEND +1
	"	" WIND W 5
	"	" WEATHER cq
	CROYDON	1800 TEMP. 57°
	DUNGENESS	" BAR. 1013.2
	"	" TEMP. 60°
	KENSINGTON	0900 MIN 45°
19th	CROYDON	1800 BAR. 1026.8
	PEMBROKE	SUNSHINE 5.3
	LIVERPOOL	0900 TEMP 54°
20th	ROSS-on-WYE	1500 BAROMETER 1015.0
	DUNGENESS	" MAX. " 60° 1015.3
	ESKDALEMUIR	
	S. FARNBORO'	SUNSHINE 0.0
	LONDON	(0900-1800) RAINFALL 14 mm.
	GRAIN	" " 9 "
	CROYDON	MIN 59°
	RENFREW	0900 WIND FORCE 4
	ROSS-on-WYE	" BAR 1017.1
	KEW	" HUMIDITY 85%
21st	LERWICK	1800 CLOUD HEIGHT 4000
	CRANWELL	1800 " FCu 5 ACu 6
	PEMBROKE	1800 BAR. 1024.7
	CATTEWATER	" WIND WSW
	NAIRN	(1800-0900) RAINFALL —
	"	" SUNSHINE 3.8
	RENFREW	(1800-0900) RAINFALL 0.8
	CROYDON	(0100-0900) P. WEATHER b.bc.od.m
	HOLYHEAD	0900 WIND SSW.
	SHOEBURYNESS	" BAR. TEND. 0
	CLACTON	" TEMP. 58°
22nd	CASTLEBAY	1800 BAR. 1023.8
	CHESTER	" CLOUD HEIGHT 4,000
	"	" " St 2 Ci 4
	TYNEMOUTH	MIN 46
	PLYMOUTH	SUNSHINE 0.5
	S. FARNBORO'	0900 BAR 1020.1
	KEW	" " TEND -2
23rd	RENFREW	1300 HUMIDITY 65%
	SPURN	" CLOUD HEIGHT 2500
	"	" " Cu 6
	SHOEBURYNESS	" TEMP 65
	RENFREW	1800 BAR. 1023.3
	CALSHOT	" WIND NNE
	"	" TEMP. 63°
	"	MAX. 65°
	"	MIN 54°
	"	0900 HUM. 85%
24th	SHOEBURYNESS	1800 CLOUD St 9
	KENSINGTON	MAX. 57°
	LERWICK	MIN. 46°
	HOLYHEAD	(1800-0900) RAIN TRACE
	CROYDON	0100 VIS. 6
	CALSHOT	0900 TEMP. 55°
	MONTROSE	- - 40 52 - - 0.3 8.5
	ILFRACOMBE	0 0 54 63 - - 0.0 5.4
	FOLKESTONE	0 0 52 65 - - 0.0 7.7
25th	CHESTER	1300 WIND SSE
	ANDOVER	" WEATHER bc
	LYMPNE	" WIND E
	PLYMOUTH	" BAR. TEND 0
	CALSHOT	" WIND NE'N
	CROYDON	(0900-1300) (P.W) od.d.d. o
	CALSHOT	0900 TEMP. 50°
	"	" CLOUD ACu 10
	PAINGTON	o.bc bc 55 63 2 - 5.1 0.1
26th	GRAIN	1300 BAR. TEND -2
	LYMPNE	" WIND FORCE 3
	"	" HUM. 65%
	RENFREW	1800 CLOUD HT. 0900
	"	" CLOUD St 10
	LEITH	" " ASt 10
	LEUCHARS	" TEMP. 52°
	S. FARNBORO'	" VIS. 6
	WESTMINSTER	RAINFALL 24 hrs. 0.3
	LYMPNE	SUNSHINE 4.8
	CHESTER	(0900-1800) RAIN —
	ANDOVER	0900 HUM. 97%
27th	PLYMOUTH	1300 BAR. TEND. -1
	ANDOVER	SUNSHINE 4.7
	S. FANBORO'	" 3.3
	"	MAX 64°
	PLYMOUTH	—
	CALSHOT	MIN 57°
	"	0900 BAR 997.8
	LANGHOLM	" TEMP. 50

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, September 1922.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
28th	RENFREW	1300 HUM. 46%
"	S. FARNBORO'	" WEATHER 0 DY
"	ANDOVER	(0700-1800) RAIN 0.1
29th	ABERDEEN	1300 HUM. 75%
"	CRANWELL	1800 St 10
"	"	MAX 62° MIN 35°
"	"	0100 TEMP. 50°
30th	CASTLEBAY	1300 BAR 1020.8
"	COLLINSTOWN	1800 WEATHER 0
"	"	" CLOUD 2500 St 8 A St 10
"	ESKDALEMUIR	0700 VIS. Y
28th	LEUCHARS	1300 WIND ESE CLOUD HT. 225
"	GRAIN	" HUM. 92%
"	SHOEBURYNESS	0700 BAR. 1006.9
29th	CRANWELL	1800 HUM. 45%
"	ANDOVER	1800 WIND W TEMP. 58°
"	"	MAX. 66°
"	STORNOWAY	0700 TEMP. 44°
30th	ANDOVER	1300 WIND NNW
"	CALSHOT	1800 " NNW
"	ANDOVER	MAX. 58°
28th	1300 BIDSTON	CLOUD Cu 3 A St 6
"	PEMBROKE	(0700-1800) RAIN -2
29th	ABERDEEN	1300 BAR. TEND
"	LEUCHARS	1800 CLOUD HT. 6000
"	STORNOWAY	(1800-0700) RAIN 0.4
"	DUNGENESS	(1800-0700) "
"	"	WIND N
30th	DONAGHADEE	1800 TEMP. 50°
"	CRANWELL	SUNSHINE 9.4
"	FARNBORO'	MAX 60°

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. 0-8	Summaries for the Past 24 Hours. Weather. 7h.-13h.	Weather. 13h.-18h.	Weather. 18h.-1h.	Weather. 1h.-7h.	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall. Day. 7h.-18h.	Rainfall. Night. 18h.-7h.	Precipitation began.
1st	Valencia 1800	1006.8	+1	NW	5	o⊕	54	97	8	-	St.Cu	10	-	10											
	Roches Pt. 0700	1009.2	+1	NW	2	b	52	85	7	1500	Cu.Nb	3	-	3	0				bw	61	50			trace	
	Valencia 0800	1009.0	+8	W	3	o p.	52	97	7	-	St.Cu	6	-	6	x										
	0700	1010.5	+2	W	3	c	53	97	7	-	St	7	-	7											
2nd	Roches Pt. 1300	1010.2	+1	NNW	2	c+	58	65	8	4000	St.Cu	9	-	9	x										
	" " 1800	1011.7	+1	NNW	3	c-	58	75	8	4000	St.Cu	8	-	8	0										
	Blacksod Pt. 1800	1013.0	+3	NNW	4	bc	55	75	9	-	Cu	5	-	5	3		bbc		bbc	58	41	x	-	-	
	Valencia 1800	1011.6	+1	W'N	1	bc	55	92	8	-	-	0	A.Cu	6											
	Roches Pt. 0700	1016.6	+1	NW	3	bc+	52	85	8	2500	St.Cu	4	-	4	0	bo	oc	bbc	bbc	60	49	x	-	trace	
	Plymouth 0700	1011.3	+4	NNW	3	b	54	86	6	-	-	0	-	0	0			cpr	ozbm	61	53	44	-	1	
	Blacksod Pt. 0700	1007.1	+1	SW	2	c	54	85	9	-	-	0	A.Cu	8	3										
	Valencia 0100	1016.1	+1	NNW	2	c	54	92	4	-	St.Cu	7	-	7	x										
	Calshot 0100	1008.5	+1	NW	2	o	52	92	7	2500	St	10	-	10	x										
3rd	Roches Pt. 1300	1017.5	+2	NW	2	c	64	65	8	2500	St.Cu	7		7	x										
	" " 1800	1018.0	+1	-	0	o	58	75	8	4000	St	10	-	10	0		cov								
	Valencia 1800	1019.3	+1	W'N	2	o	56	92	7	4000	Cu	1	A.St	10	3	bcc	co	oc	DD	65	52	x	-	5	2300
	Roches Pt. 0700	1017.1	-1	SSW	4	oDD	54	97	4	800	Nb	10	-	10	3										
4th	Castlebay 1300	1020.3	?	E	2	o	57	75	7	2500	St	10	-	10	x										
	Roches Pt. 1300	1016.5	o	-	0	o+	63	85	8	1500	St.Cu	9	-	9	x	ddco									
	Castlebay 1800	1021.3	?	ENE	3	o	55	85	8	1000	St	10	-	10	2										
	Roches Pt. 1800	1017.8	+1	NW	1	o	61	92	8	1500	St.Cu	10	-	10	0		o							0.3	<0800
	" " 0700	1021.3	+1	SE	1	o	57	92	8	2500	St	10	-	10	0			odc	o	64	55	x	1		
5th	" " 1300	1023.8	0	SE	3	odd	58	97	5	800	Cu.Nb	10	-	10	x	ocdd									
	" " 1800	1023.6	0	SE	2	o	58	97	5	1500	St	10	-	10	0		o							trace	
	" " 0700	1023.5	0	S	2	o	57	97	5	800	St	10	-	10	0			obw	obw	61	56	x	0.4		
6th	" " 1300	1024.2	0	S	1	o	60	92	6	800	St	10	-	10	x	o									
	" " 1800	1024.4	0	S	1	o	59	97	6	800	St	10	-	10	0		obom								
	Valencia 0700	1029.6	+2	NE'N	1	bc	52	92	8	1500	Cu	5	-	5	0			bcbc	cbc	62	50	44	-	-	1630
	Roches Pt. 0700	1027.6	+2	NW	1	c	52	92	7	4000	St.Cu	4	Ci.St	7	0			oc	odd	62	51	x	0.2	1	
7th	" " 1300	1029.0	0	SE	2	b-	61	75	8	4000	Cu	2	-	2	x	bcb									
	Blacksod Pt. 1800	1029.5	0	NW	2	b-	56	85	8	-	Cu	2	-	2	0		bbc								
	Roches Pt. 1800	1028.7	-1	S	1	o-	60	75	8	-	-	0	A.Cu	10	0		bbcb								
	Blacksod Pt. 0100	1031.7	+2	ESE	1	bc	58	75	9	-	-	0	A.Cu	6	x			bbc							
	" " 0700	1030.6	+1	W	1	o	51	92	9	-	-	0	A.Cu	10	1				c	60	43	x	-	-	
	Roches Pt. 0700	1029.9	+1	N	1	b	51	92	7	-	-	0	Ci.Cu	3	0			b	bwbc	64	50	x	-	0.1	
8th	" " 1300	1030.1	0	SE	1	c+	61	75	8	4000	Cu	4	Ci.Cu	7	x	bbcc									
	Shoeburyness 1300	1027.8	0	NE	2	bc	65	65	9	-	-	0	A.Cu	5	x	c									
	Roches Pt. 1800	1029.8	0	-	0	b-	61	75	8	-	-	0	A.Cu	2	0		bcb								
	S. Farnborough 1800	1026.9	0	-	0	bc-	61	65	6	-	-	0	A.Cu	3	x		bczzy								
	Blacksod Pt. 1800	1032.0	+2	NW	4	b	57	75	9	1500	Cu	1	-	1	0		bbc	bbc							
	Valencia 0700	1033.6	+1	NNE	1	b	50	85	9	-	-	0	Ci.St	1	1				bw	62	46	40	-	0.2	
	Roches Pt. 0700	1032.5	+1	NNW	2	b	52	92	8	-	-	0	-	0	0			bv	b	63	50	x	-		
9th	Chester 1300	1029.9	-1	WNW	4	o	62	75	7	-	-	0	A.Cu	9	x	bffom									
	Valencia 1300	1035.1	+2	NW	2	o	58	75	8	-	-	9	A.St	10	x	oo									
	Castlebay 1800	1034.6	0	NNE	4	bc-	54	85	8	2500	Cu	1	A.St	3	3								0.4		
	Valencia 1800	1033.5	0	NE	3	bc	59	85	8	1500	St.Cu	2	Ci.Cu	6	3		bc								
	Shoeburyness 1800	1027.2	-1	NE	3	cjb	59	65	6	-	-	0	A.Cu	8	x		oo								
	Collinstown 0100	1033.4	0	N	3	o	53	92	6	2500	St.Cu	10	-	10	x			oo							
	Leuchars 0700	1033.2	?	N	2	o	47	80	8	3750	St.Cu	9	-	9	x			bw	o		41	30			
	Roches Pt. 0700	1031.4	0	NW	1	b-	56	85	8	4000	St.Cu	2	-	2	0			co	oo	65	55	x			
10th	Blacksod Pt. 1300	1035.1	+2	NW	2	o	58	75	8	-	-	0	A.St	10	x	oo									
	Valencia 1800	1029.8	-1	ENE	2	b+	56	92	9	-	-	0	-	0	!		o								
	Roches Pt. 0700	1028.3	+1	NW	1	b	50	92	7	-	-	0	-	0	0			obc	bmb	65	45		-		
11th	Birr Castle 1300	1027.6	x	S	1	c+	61	65	8	4000	St.Cu	7	-	7	x	co									
	Roches Pt. 1300	1027.5	-1	SE	2	bc	57	65	8	4000	Cu	4	-	4	x	nbbc									
	Birr Castle 1800	1025.5	x	-	0	b-	57	75	8	4000	Cu	2	-	2	x		bc								
	Roches Pt. 1800	1025.9	-2	SW	2	b-	57	75	8	4000	Cu	2	-	2	0		bcb								
	Tynemouth 0100	1023.4	-2	W	1	c	47	92	6	4000	St.Cu	7	-	7	x										
	Birr Castle 0700	1022.1	x	W	1	odd	50	97	6	225	Nb	10	-	10	x			o	dodo	63	47	37	-	0.1	
	Roches Pt. 0700	1022.2	-1	W	1	c+	53	85	8	2500	Cu	8	-	8	0			bw	bbcc	60	50	x	-	trace	
12th	Birr Castle 1300	1018.5	x	SW	1	o-	57	85	7	4000	Cu	9	-	9	x	dodc									
	Roches Pt. 1300	1019.5	-4	WSW	2	o	56	85	8	2500	St.Cu	10	-	10	x	oo									
	Birr Castle 1800	1016.4	x	WSW	1	o	56	75	7	4000	St.Cu	9	-	9	x		co								
	Roches Pt. 1800	1015.8	-3	WSW	3	o-	57	85	8	4000	St.Cu	9	-	9	0		oo								<0800
	Birr Castle 0700	9958	x	SSW	2	c-	52	97	7	2500	St	8	-	8	x			orco	co	58	51	50	0.1	2	2200
	Roches Pt. 0700	9980	-10	SW	3	or.r.	55	92	6	2500	Nb	10	-	10	3			or.r.	r.r	59	54	x	-	4	
13th	Birr Castle 1300	9853	x	SW	1	or-	54	92	7	2500	Nb	9	-	9	x	oRR									
	" " 1800	9855	x	WSW	2	c-	53	85	8	2500	St.Cu	6	Ci	8	x		oRRc								
	Roches Pt. 1300	989.6	-7	WNW	4	o-	57	85	8	2500	Cu.Nb	10	-	10	x	r.r.od									
	" " 1800	987.8	-2	W	4	ojb	55	75	7	2500	Cu.Nb	8	Ci.St	9	3		ojb								

‡ The barometric change is expressed in half millibars.

II.—ADDITIONS.

Report day	Station	Barom. at M.S.L. m.b.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Height of Low Cloud Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10	Sea 0-9	Weather 7h.-13h.	Weather 13h.-18h.	Weather 18h.-1h.	Weather 1h.-7h.	Temp. Max. Day 7h.-18h.	Temp. Min. Night 18h.-7h.	Temp. Min. on Grass	Rainfall† Day 7h.-18h.	Rainfall† Night 18h.-7h.	Precipitation began	Sun Hours
8th	Birr Castle 0700	982.9	?	SW	1	crr	48	97	7	4000	Cu	5	A.Cu	7	*											
14th	Roches Pt. 0700	983.4	0	W	3	o	53	85	7	2500	St.Cu	10	-	10	3			c	oir	57	47	40	6	2	0900	*
	Birr Castle 1300	983.5	*	NW	1	od₀	54	92	7	4000	Nb	9	-	9	*			opc	cpo	59	49	*	2	2	<0800	*
	Roches Pt. 1300	982.9	-3	NW	5	or₀r₀	55	92	7	1500	Nb	10	-	10	?	oiR										
	Birr Castle 1800	986.8	*	NW	2	or-	53	92	6	800	Nb	10	-	10	*	orrr₀r₀										
	Roches Pt. 1800	987.2	+3	NW	5	orr	53	92	6	2500	Nb	10	-	10	3		oiR									
	Birr Castle 0700	998.7	*	NW	3	o+	52	97	6	225	St	10	-	10	*		rr									
	Valencia 0700	1025.3	+7	NNW	5	cR-	54	92	6	?	St.Cu	7	-	7	?			c	oz cpr	55	50	49	5	3	<0800	?
15th	Roches Pt. 0700	996.9	+4	NNW	5	o-	54	92	6	1500	St	5	C.St	9	3											
	Birr Castle 1300	1002.8	*	NW	2	c-	59	75	8	4000	St.Cu	8	-	8	*			r₀r₀o	do	55	53	*	7	1	0900	*
	Roches Pt. 1300	1002.7	+7	NNW	5	o-	60	75	8	2500	Cu.Nb	9	-	9	*											
	Birr Castle 1800	1007.9	*	NW	3	o+	55	85	6	4000	St.Cu	9	-	9	*	co										
	Roches Pt. 1800	1008.0	+7	NNW	4	c-	57	75	8	4000	St.Cu	8	-	8	0	oo										
	Birr Castle 0700	1017.5	*	NW	3	c-	46	85	7	4000	Cu	7	-	7	*		co									
16th	Roches Pt. 0700	1018.2	+7	NNW	3	c+	50	85	8	4000	St.Cu	8	-	8	0		oc									
	Birr Castle 1300	1020.1	*	NW	2	cjb	52	75	8	4000	Cu	7	-	7	*			c	o	59	43	39	-	-	-	?
	Roches Pt. 1300	1020.8	+1	NW	3	c-	56	65	8	4000	St.Cu	5	Ci.Cu	7	*			bc	c	61	49	*	-	-	-	*
	Birr Castle 1800	1020.4	*	NW	2	c	52	75	9	4000	St.Cu	7	-	7	*	cojpr										
	Roches Pt. 1800	1021.6	+1	NW	2	c	55	65	8	-	-	0	A.Cu	7	0	c										
	Birr Castle 0700	1011.9	*	SSW	2	o+	58	92	7	225	St	10	-	10	*		co									
17th	Roches Pt. 0700	1015.7	-2	SSW	3	od₀	55	97	6	2500	Nb	10	-	10	3		c									
	Birr Castle 1300	1009.5	*	SW	4	c-	64	85	7	2500	Cu	8	-	8	*			cor	co	55	48	45	-	1	-	
	Roches Pt. 1300	1013.1	-3	WSW	4	o	58	92	7	800	St	10	-	10	*			c	cd₀m	58	50	*	-	0.3	-	
	Birr Castle 1800	1007.3	*	SW	4	or₀+	58	97	6	2500	Nb	9	-	9	*	co										
	Roches Pt. 1800	1010.3	-3	W	4	or-	60	85	8	800	St	9	-	9	3	od₀o										
18th	Roches Pt. 0700	1009.6	*	W	2	bc-	50	85	8	4000	St.Cu	6	-	6	3											
	Birr Castle 1300	1011.3	?	W	3	bc	52	85	8	4000	St.Cu	4	-	4	*		or₀r₀									
	Roches Pt. 1300	1010.7	*	W	3	bc	55	75	8	4000	St.Cu	6	-	6	*		oid₀o									
	Birr Castle 1800	1014.8	?	WNW	4	bc	60	75	8	4000	Cu.Nb	5	-	5	*			coid	co	64	49	45	0.1	1	<2100	?
	Birr Castle 1800	1016.3	*	W	3	c+	52	75	8	4000	Cu	4	Ci.Cu	7	*			cp	bc	60	51	*	0.3	0.3	<0800	*
	Roches Pt. 1800	1018.3	?	NW	4	c	57	75	8	4000	Cu.Nb	7	-	7	0	coir₀										
	Birr Castle 0700	1023.5	*	S	1	bc-	44	97	8	4000	St.Cu	3	A.Cu	6	*	bc										
19th	Roches Pt. 0700	1025.4	-	WSW	3	c	49	92	8	-	-	0	Ci	7	0		copr									
	Birr Castle 1300	1023.6	?	S	1	oR	53	92	6	450	Nb	10	-	10	*		cp₀c									
	Roches Pt. 1300	1026.0	?	WSW	4	o	58	75	8	4000	St.Cu	10	-	10	*			co	co	57	37	29	0.1	-	<0800	?
	Birr Castle 1800	1022.5	*	W	3	or₀	57	85	7	800	Nb	10	-	10	*			bc bvr	bcc	60	47	*	0.2	trace	1615	*
	Roches Pt. 1800	1025.3	?	WSW	4	or₀	56	92	6	1500	Nb	10	-	10	3	OR										
20th	Birr Castle 0700	1011.7	*	SW	3	oRR	59	97	6	800	Nb	10	-	10	*	co										
	Roches Pt. 0700	1017.2	?	SW	4	odd₀	55	97	6	1500	Nb	10	-	10	3		coir₀									
	Birr Castle 1300	1011.1	*	SW	2	oR	62	92	6	800	Nb	10	-	10	*		or₀m									
	Roches Pt. 1300	1016.8	?	WSW	4	oldm	61	97	5	1500	Nb	10	-	10	*			RRo	RRg	58	52	50	2	29	-	?
	Birr Castle 1800	1012.1	*	W	4	oR	61	97	6	800	Nb	10	-	10	*			oir₀	orrd₀d	58	55	*	0.1	1	1730	*
	Roches Pt. 1800	1015.7	?	WSW	5	o	61	92	8	800	Nb	8	Ci.Cu	9	6	oiR										
21st	Birr Castle 0700	1021.1	?	W	2	bc-	55	85	7	4000	St.Cu	3	A.Cu	6	*	d₀dm										
	Roches Pt. 0700	1022.1	?	SW	1	b	54	92	8	-	-	0	-	0	0		iR₀									
	Birr Castle 1300	1022.2	*	S	1	o+	58	75	8	4000	Cu	9	-	9	*		d₀dwo									
	Roches Pt. 1300	1023.5	?	SSW	1	o	58	85	8	4000	St.Cu	10	-	10	*			oirco	co	62	51	47	8	0.4	<2100	?
	Birr Castle 1800	1020.3	*	S	1	odd₀	59	92	6	450	St	10	-	10	*			ob	bw	62	53	*	1	0.1	-	*
	Roches Pt. 1800	1022.9	?	SW	1	oFe	57	97	-	<150	St	10	-	10	0	co										
22nd	Birr Castle 0700	1019.8	?	SW	2	c-	59	92	8	4000	St.Cu	5	Ci	8	*	bo										
	Roches Pt. 0700	1022.5	?	SW	2	o	56	92	8	2500	St.Cu	10	-	10	0		codd									
	Birr Castle 1300	1020.3	?	S	1	c-	64	85	8	4000	St.Cu	4	Ci.Cu	7	*		od₀Fe									
	Roches Pt. 1300	1022.3	?	SW	1	c	59	92	8	2500	St.Cu	4	Ci	7	*			od₀d	co	60	59	56	0.2	0.2	?	?
	Birr Castle 1800	1020.3	*	W	1	oDD	59	92	6	225	St	10	-	10	*			d₀of	oo	62	56	*	0.5	0.4	-	*
	Roches Pt. 1800	1023.0	?	SSW	1	oF	58	97	-	<150	St	10	-	10	3	c										
23rd	Birr Castle 0700	1023.0	*	ENE	1	oDD	51	97	6	225	St	10	-	10	*	oc										
	Roches Pt. 0700	1022.2	?	-	0	om	54	92	6	4000	St.Cu	10	-	10	0		coDd									
	Birr Castle 1300	1024.2	?	NE	1	c/r	56	85	8	4000	St.Cu	7	-	7	*		cfcF	oDD	oDD	64	50	50	0.4	4	?	?
	Roches Pt. 1300	1022.8	?	SSE	1	om	57	92	6	4000	St.Cu	10	-	10	*			oFe	Fom	61	53	*	-	0.3	-	*
	Birr Castle 1500	1023.6	*	E	1	bc-	53	85	8	4000	St	2	A.Cu	6	*	cod₀										
	Roche Pt. 1800	1023.0	?	SE	3	oln	55	92	7	2500	St	10	-	10	3	fom										
24th	Birr Castle 0700	1020.9	?	E	1	c+	42	97	6	4000	St.Cu	6	Ci.Cu	8	*		co									
	Roches Pt. 0700	1022.2	?	-	0	o	54	92	6	4000	St.Cu	10	-	10	0		ofom	co	coz	60	41	34	0.3	-	-	?
	Birr Castle 1300	1019.1	*	E	1	o+	56	85	-	4000	St.Cu	9	-	9	*			ofe	fom	61	53	*	-	0.3	-	*
	Roches Pt. 1300	1017.8	?	ENE	1	o	55	92	6	2500	St	10	-	10	*	c.o										
	Birr Castle 1800	1016.3	*	S	1	o+	57	85	5	22.5	St	10	-	10	*	om										
	Roches Pt. 1800	1016.6	?	-	0	om	54	97	5	800	St	10	-	10	0		coz									
25th	Roches Pt. 0700	1015.2	?	SW	1	o-	52	92	9	4000	Cu	9	-	9	*		ome									
	Cranwell 0700	1015.7	?	NW	2	c	53	92	8	4000	St.Cu	4	Ci	7	?			coz	co	58	50	48		-	-	?
	Birr Castle 0100	1017.3	-7	NE	3	bc-	48	97	8	2500	St	8	-	8	*			obc	c	58	51	*	trace	-	-	*
	Roches Pt. 1200	1013.6	?	SW	1	o	59	75	8	4000	Cu	9	-	9	*			c								
	Roches Pt. 1300	1014.4	?	SSW	2	bc	59	75	8	2500	St.Cu	2	Ci	4	*	co										
	Birr Castle 1800	1012.1	?	SW	2	bc	55	92	8	-	-	0	Ci.Cu	6	0	cbc										
26th	Roches Pt. 0700	1000.6	*	SE	3	or₀r₀	55	92	7	2500	Nb	9	-	9	*		bc									
	Birr Castle 0700	999.1	?	SE	3	or₀r₀	54	97	6	1500	Nb	10	-	10	7		co	co	or₀r₀	60	51	45	-	0.3	-	?
	Roches Pt. 1300	995.7	*	SE	6	oRR	56	92	6	450	Nb	10	-	10	*	oRR		bc	or₀r₀	60	54	*	-	3	-	*
	Birr Castle 1300	994.2	?	SSE	5	or₀r₀	58	75	8	800	Nb	10	-	10	*	r₀r₀m										
	Roches Pt. 1800	992.4	*	SE	5	orr	56	92	6	450	Nb	10	-	10	*											
	Birr Castle 1800	991.9	?	SSE	5	o	56	92	7	800	Nb	8	A.Cu	9	7		orr									
27th	Roches Pt. 0700	988.7	*	SE	2	c-	52	92	7	4000	Cu	8	-	8	*		r₀r₀mom	oRR	co	57	51	46	5	2	<2100	?
	Birr Castle 0700	985.1	?	SSE	6	or₀r₀	54	97	6	800	Nb	10	-	10	7			bc	orr	58	52	*	9	?	-	*
	Roches Pt. 1300	986.6	*	SE	3	or	55	92	6	2500	Nb	10	-	10	*	oir										
	Andover 1300	983.0	?	SE	7	orr	56	97	-	800	Nb	10	-	10	*	r₀r₀m										
	Birr Castle 1300	1000.2	0	S	4	[illegible]	58	85	-	1500	Nb	10	Ci.Cu	10	*	oo6	oRR									
	Birr Castle 1800	987.6	*	SE	2	o-	56	85	-	450	Nb	9	-	9	*			oror	co	57	53	50	6	2	-	?
	Birr Castle 0700	994.3	*	W	1	c-	54	92	7	4000	Cu	8	-	8	*			DD	dd₀o	58	55	*	9	4	-	*
28th	Roches Pt. 0700	990.8	?	E	3	o	57	92	7	1500	St.Cu	9	-	9	4			opr	opr	60	56	54		5	<2100	3.6
	Plymouth 0700	993.0	+*	SSE	4	oPR	56	92	6	450	Cu.Nb	9	H.Cu	10	4	co										
	Birr Castle 1300	994.6	*	NE	1	c	59	85	8	4000	Cu	6	C.Cu	8	*	o										
	Roches Pt. 1300	998.2	?	E	3	o	61	75	8	2500	St.Cu	9	-	9	*		coz									
	Birr Castle 1800	1003.2	*	NE	1	bc	59	85	6	4000	St.Cu	6	-	6	*		cbo									
	Roches Pt. 1800	1005.2	?	NNE	1	o+	58	85	8	2500	St.Cu	9	-	9	-			coz	coz	60	49	46	-	-	-	?
29th	Birr Castle 0700	1008.5	?	NNW	1	o	54	92	6	450	St	10	-	10	0	o		obw	bo	62	51	*	-	0.3	-	*
	Roches Pt. 0700	[illegible]	?	NNW	4	bc	53	85	6	800	St	10	-	10	*											
	" " 1300	1010.6	?	NW	4	bc	61	[illegible]	[illegible]	4000	Cu	4	-	4	0		bcb	bwb	bcm	62	43	*	-	0.2	-	?
30th	Birr Castle 1800	1015.1	?	NW	3	b	53	85	8	4000	Cu	2	-	2	0	c₀o										
	Roches Pt. 0700	1023.9	?	[illegible]	2	bc	45	85	[illegible]	-	-	0	Ci.St	5	0		co co	coir₀ r₀r₀	coe ddf	55 55	50 34	43 *	-	trace	<2100 -	*
	Birr Castle 1300	1023.6	?	[illegible]	1	c+	54	[illegible]	[illegible]	4000	Cu	5	A.Cu	[illegible]	0											
	Roches Pt. [illegible]	1024.0	[illegible]	[illegible]	[illegible]	o	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	A.St	[illegible]	[illegible]											
	[illegible]	1022.0	[illegible]	[illegible]	[illegible]	or₀r₀	[illegible]	[illegible]	[illegible]	[illegible]	Nb	10	=	10	3											
	[illegible]	1018.1	[illegible]	ESE	1	of	[illegible]	97	[illegible]	[illegible]	St	10		10	1											

‡ The barometric change is expressed in half millibars.