M.O FORM 2373

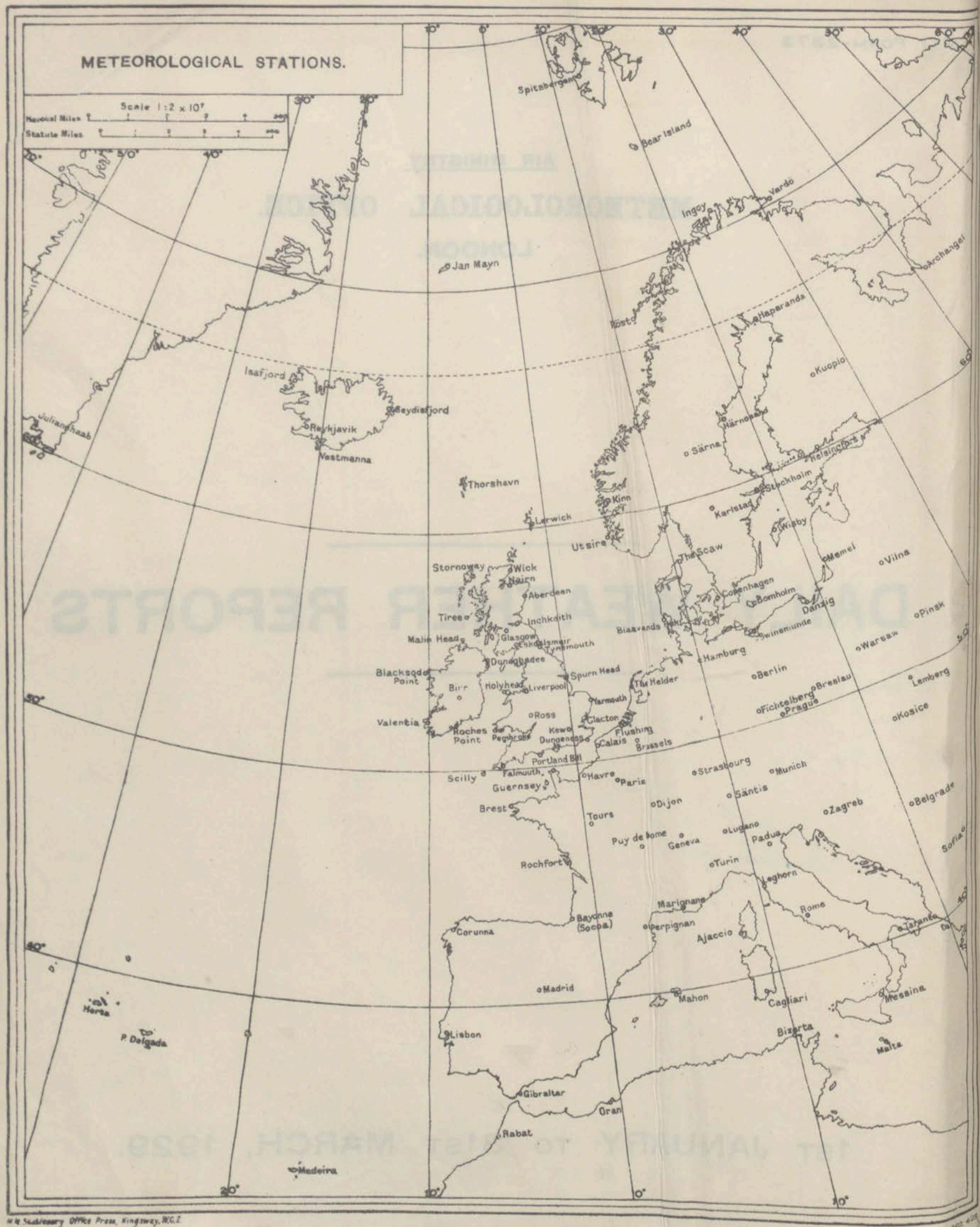
AIR MINISTRY.

METEOROLOGICAL OFFICE.

LONDON.

DAILY WEATHER REPORTS

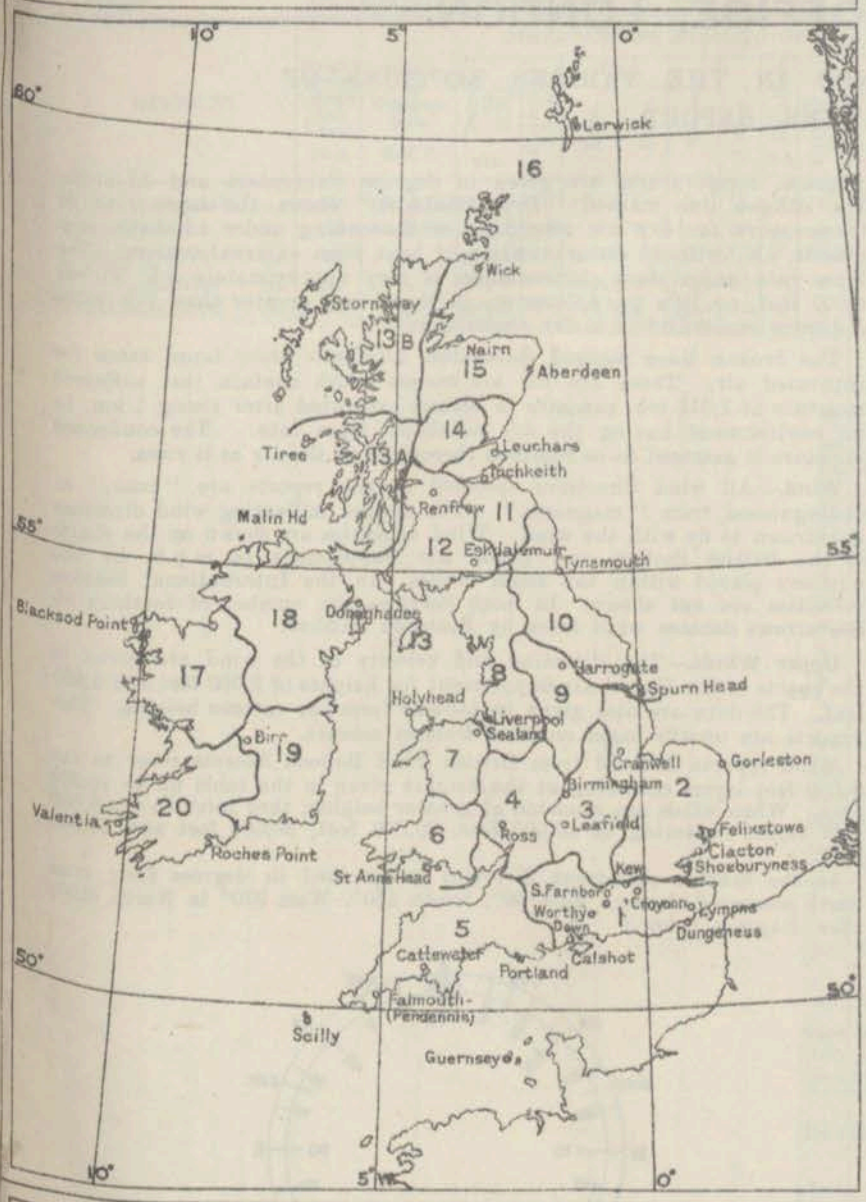
1ST JANUARY TO 31ST MARCH, 1929.



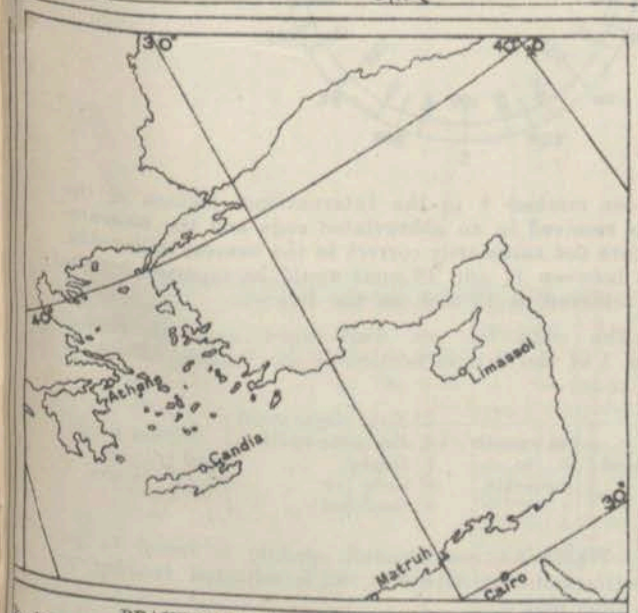
H.M. Stationery Office Press, Kingsway, W.C.2.

Pg. 1148/1873. No. 42. D.6006. 863. 4/29

FORECAST DISTRICTS AND BRITISH STATIONS.



STATIONS USED FOR UPPER AIR SUPPLEMENT.



BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy. d drizzle.
e wet air. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
g thick fog " less than 200 m.
y gloomy. p precipitation within sight of station.
p passing showers. q squally.
r rain. s snow. rs sleet. t thunder.
u ugly, threatening. v unusual visibility. w dew. x hoar frost.
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 intensity, 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 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 rising 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 breeze	Raises dust and loose paper; small branches are moved ...	13–18
5	Fresh breeze ...	Small trees in leaf begin to sway; crested wavelets on inland waters...	19–24
6	Strong breeze ...	Large branches in motion; whistling heard in telegraph wires	25–31
7	Moderate gale ...	Whole trees in motion; inconvenience felt when walking against wind	32–38
8	Fresh 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	Storm	Very rarely experienced; accompanied by widespread damage	64–75
12	Hurricane ...	... ...	Above 75

GALE WARNINGS.

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

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

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

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

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

▼ South Cone hoisted.
▲ North " "

AIR MINISTRY.

METEOROLOGICAL OFFICE, LONDON.

NOTES ON THE INFORMATION CONTAINED IN THE VARIOUS SECTIONS OF THE DAILY WEATHER REPORT.

Stations.—*Croydon.* From 1st May, 1928, the wind records at Croydon have been obtained from a new site, the anemometer vane being 104·5 feet above ground level whereas formerly in the old site the height was 40 feet. Since 15th February, 1929, the velocity as measured from the anemometer record has been reduced in the ratio 6 : 5 before conversion to the Beaufort number by the table of equivalents in general use in this country which is applicable to anemometers having a height of 40 feet.

Guernsey. The observations at 7h., 13h., and 18h. are taken at Fort George, the station being situated at 295 feet above M.S.L. on the high ground to the south of St. Peter Port and outside the town. The observations at 1h. together with the sunshine readings are taken at the station of the States Meteorological Service which is situated in St. Peter Port at 173 feet above M.S.L.

Kew. Temperature readings at Kew are taken in a large louvred screen placed against the north wall of the observatory. The thermometer bulbs are at a height of 10 feet above the ground immediately surrounding the building. This ground is raised a few feet above the general level of the Old Deer Park in which the observatory stands.

Valentia. The observations at 1 a.m. are taken at the Post Office Wireless Station on Valentia Island. Those at all other hours at the Observatory near Cahirciveen on the mainland.

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

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

The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart 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, 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°.

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.

In ship reports published on page 3 of the British Section of the Report sea temperature is given below air temperature and is preceded by the word "Sea."

Relative Humidity.—Relative humidity at British stations is calculated from the following hygrometric formulæ:

$x = f - \cdot 444\,(t - t')$ for wet bulb readings above 32° F.
$x = f - \cdot 400\,(t - t')$ for wet bulb readings below 32° F.

where x is the vapour pressure in mb.;
f the saturation vapour pressure at the temperature of the wet bulb;
t the dry bulb temperature; and
t' " wet " "

The tables used for calculating humidities from the readings of the dry and wet bulb thermometers on aeroplanes, are based on a formula similar to the above, but allowance is made for the variation of barometric pressure with height and for the increased ventilation of the thermometers.

Upper Air Temperature.—The British 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 oblique line marked "Dry 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 10°a per kilometre. A lapse rate greater than this value indicates instability in a dry atmosphere.

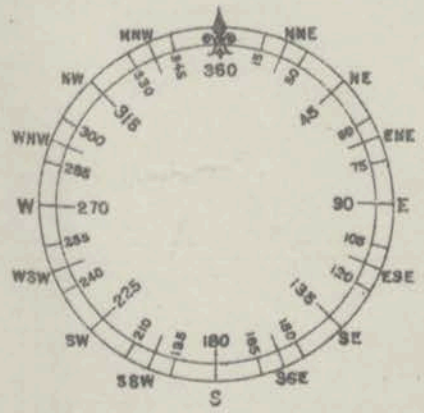
The broken lines marked Saturated Adiabatic show lapse rates for saturated air. These are for air masses which contain just sufficient moisture at 1,015 mb. pressure to become saturated after rising 1 km, in an environment having the dry adiabatic lapse rate. The condensed moisture is assumed to be retained thereafter in the air as it rises.

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 2,000 feet and 6,000 feet. The data are also given in tabular form for various heights. The reports are usually based on Pilot Balloon ascents.

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

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



Rainfall.—At Stations marked † in the International Section of the Report, the rainfall is received in an abbreviated code and the measurement entered is therefore not necessarily correct to the nearest millimetre. For example any fall between 11 and 15 mm. would be reported by the same code figure and entered as 13 mm. in the Report.

Sea Disturbance.—The code for sea disturbance used at coastal stations is given on p. 1 of the British Section of the Report. Ships at sea use the following code:—

0. No or slight swell 1. Moderate swell 2. Heavy " 3. Long low " 4. Confused "	and	Sea smooth to moderate.	5. No or slight swell 6. Moderate swell 7. Heavy " 8. Long low " 9. Confused "	and	Sea rough or above.

Adjusted Readings.—Where an instrumental reading is found to be in error and some adjustment is necessary, such adjusted reading is published in brackets thus (59).

The entries in the British Section of the Report for the stations in the main tables on pages 1, 2, and 4 are compared with those in the returns received from the stations at the end of the month and errors in the Report so found are noted in the monthly correction sheets.

The reports from the London Stations on page 1 and from the Health Resorts on page 4 are not subjected to the same close scrutiny but if any errors are found these are also noted in the correction sheets.

Times of Sunrise, Noon and Sunset.—From January 1st, 1926, the times of Sunrise, Noon and Sunset published in the British Section of the Report for certain stations have been recalculated from (1) the figures for the duration of sunshine contained in the International Meteorological Tables and (2) the value of the sun's declination and the equation of time published in the Nautical Almanac. The change of declination of the sun on the same day from year to year over a cycle of four years is now taken into account. This change was formerly neglected.

AIR MINISTRY. No. 147.

SUPPLEMENT TO THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT SELECTED STATIONS ISSUED ON THE 1st DAY OF EACH MONTH.

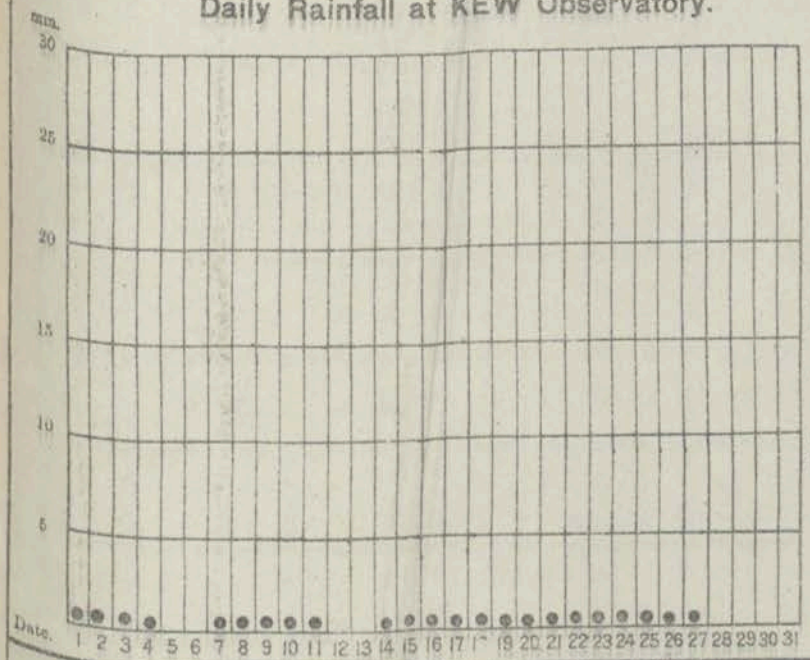
Notes on the Weather of MARCH, 1929.

For the third month in succession, quiet anticyclonic conditions prevailed over the British Isles. In striking contrast to the intense cold of January and February, however, day temperatures in March were generally high apart from the first five days in Southern England and a period from the 13th. - 17th. in Great Britain. Owing to the severe night frosts during the first week thick ice remained on ponds and small lakes in spite of comparatively high day temperatures. During the period 8th. - 11th. temperatures rose well above 60°F. in places and the diurnal range on the 9th. was as great as 43°F. at South Farnborough and 41°F. at Eskdalemuir. This very large range of temperature was a decided feature of the month's weather, a diurnal range of more than 40°F. occurring again at South Farnborough on the 29th., while the absolute range was as much as 58°F. at Ross-on-Wye. From the 28th. - 30th., day temperatures rose above 70°F. locally and many previous records of high tempersture for March were broken, while 75°F. at Ilkley on the 28th. is probably the highest temperature recorded in March in the British Isles at least during this century.

Rainfall over the whole country was very scanty, many places having less than 5mm., while some stations recorded less than 1mm. At Kew, 0.6 mm., is the lowest monthly total ever registered since 1866 and at Ross-on-Wye it was the driest March on record.

Sunshine totals were everywhere far above the normal; at Valentia it was the sunniest March since 1880 and at Aberdeen since 1907.

Daily Rainfall at KEW Observatory.



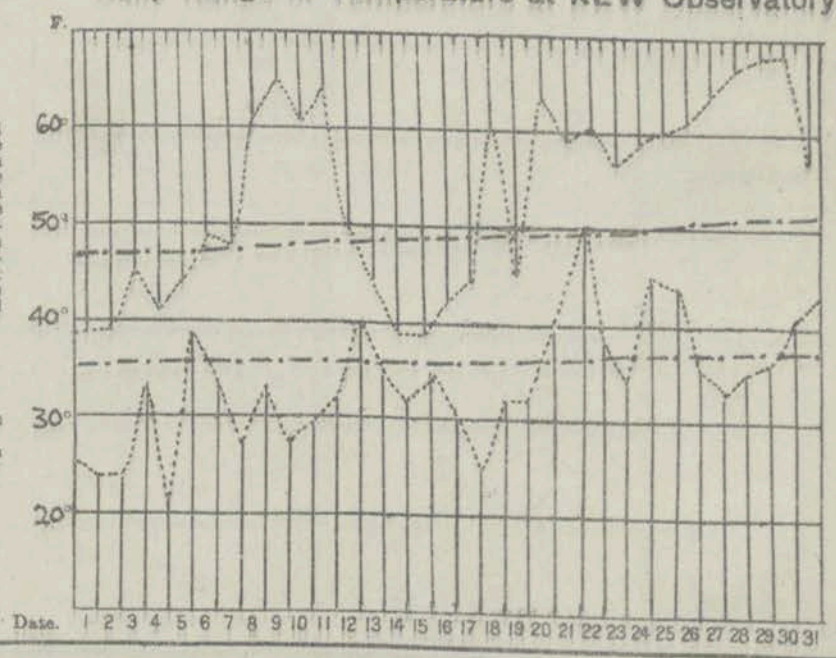
TEMPERATURE.

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

RAINFALL.

● = less than 0·5 mm.
Total for month 0.6 mm.

Daily Range of Temperature at KEW Observatory.

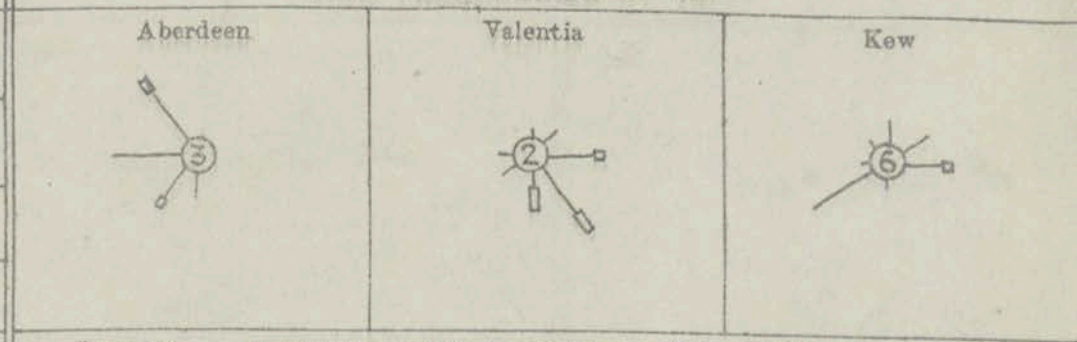


MEAN VALUES FOR THE MONTH.*

	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
	mb.	mb.	°F.	°F.
Aberdeen	1024·9	+15·6	43·1	+2·6
Valentia	1024·5	+11·8	49·9	+4·7
Kew	1027·6	+14·2	43·5	+1·0

* Pressure — mean for the 24 hours.
Temperature — mean of Max. and Min.

WIND FREQUENCIES AT 7h.



Forces 1-3 ——; forces 4-7 ▭; force 8 or above ▬. Scale: 10mm. to 10 observations.
The figure in the centre of the circle gives the number of calms.

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

PA.H60/1872. Wt. 37. D.6008. 510. 4/29.

SUMMARY OF RECORDS OF TEMPERATURE, SUNSHINE,

	TEMPERATURE.																					LOW CLOUD.								
	Number of daily readings within fixed limits.											Extremes—Warmest and Coldest.										Number of observations within fixed limits.								
	† Maximum.						† Minimum.					Days.				Nights.						7H.			13H.			18H.		
	33—41	42—50	51—59	60—68	69—77	Normal Max.	23 or below	24—32	33—41	42—50	Normal Min.	Highest Max.	Date.	Lowest Max.	Date.	Highest Min.	Date.	Lowest Min.	Date.	Number of Ground Frosts.		Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.
						°F.					°F.	°F.		°F.		°F.		°F.												
Stornoway ...	0	14	17	0	0	45·3	0	8	11	12	34·4	59	9	42	1	47	28	26	16	*		1	25	0	0	24	0	0	22	1
Aberdeen ...	5	9	14	3	0	46·0	0	9	18	4	34·3	65	27	37	1	48	24	26	1	15		6	7	1	4	14	1	5	11	1
Edinburgh ... (Inchkeith)	7	11	9	4	0	*	1	1	22	7	*	62	27, 30	37	1, 14, 16	45	24, 25	23	1	8		23	8	0	21	10	0	19	12	0
Renfrew	3	9	14	5	0	*	0	18	9	4	*	65	28	38	1	47	25	24	6, 10, 11	22		11	10	1	4	13	1	0	8	3
Eskdalemuir ...	3	13	8	7	0	*	4	19	7	1	*	66	28	34	1	42	25	15	1	24		8	9	0	4	10	1	4	12	1
Dublin ... ... (Phœnix Park)	0	11	11	8	1	48·8	3	16	11	1	34·7	72	30	45	1, 13	43	21	22	7, 16	18		*	*	*	*	*	*	*	*	*
Birr Castle ...	0	8	14	7	2	49·2	0	7	19	5	34·6	71	29, 30	45	1	48	21, 25	26	6	23		12	?14	1	3	23	0	3	22	0
Valentia ... ... (Cahirciveen)	0	3	19	9	0	50·0	0	3	7	21	39·9	68	29	46	1	50	21	29	6	4		5	16	2	2	18	3	2	18	3
Tynemouth ...	8	5	12	4	2	46·9	0	5	18	8	34·4	70	27	37	14, 19	45	25, 29	24	1	11		12	17	0	10	20	0	11	20	0
Holyhead ...	1	14	13	3	0	46·9	0	4	16	11	38·4	65	10, 30	39	1	47	25	28	1	13		5	6	1	2	8	1	3	6	4
Liverpool ... (Bidston) ...	5	8	14	4	0	46·9	1	6	12	12	36·9	62	10, 20, 30	38	1	49	21	22	1	16		6	18	0	1	12	0	1	12	1
Cranwell	7	6	6	11	1	*	4	8	16	3	*	69	28	38	19	46	22	17	2	15		6	10	3	5	15	0	4	13	0
Gorleston ...	10	8	7	6	0	45·8	0	12	16	3	35·4	64	10	36	2, 14	42	21, 25, 26, 31	27	17	10		7	10	1	4	13	1	6	10	0
Ross-on-Wye ...	3	8	11	6	3	50·1	4	13	10	4	35·0	73	30	39	2	47	21, 25	15	1	24		6	9	0	1	12	0	0	11	0
Leafield	5	7	10	8	1	*	4	7	16	4	*	69	29	38	1	45	22, 31	19	2	18		7	6	2	0	12	2	1	9	1
London ... ... (Kew Obsy.)	5	9	4	13	0	48·7	1	12	15	3	36·0	68	29, 30	39	1, 2, 14, 15	50	22	22	5	22		10	8	0	2	10	0	2	11	1
Croydon	6	7	4	14	0	*	2	11	13	5	*	68	28, 30	38	14, 15	49	22	20	2	21		15	4	0	3	11	0	3	10	1
Shoeburyness ...	7	7	13	4	0	48·4	4	13	12	2	35·8	64	11	37	14	45	22	21	5	19		7	7	1	4	9	2	5	5	1
Lympne	7	5	14	5	0	*	2	10	17	2	*	64	9	36	14, 15	45	22	22	1	18		8	3	1	5	10	0	8	4	1
Southampton ... (Calshot)	3	15	9	3	1	*	0	8	20	3	*	70	30	39	1	45	22	25	1	21		9	4	0	2	11	0	3	7	1
Falmouth ... (Pendennis)	3	13	12	3	0	*	0	1	15	15	*	62	28	39	1	49	25	31	6	*		4	25	0.	1	24	0	2	27	0

UPPER AIR TEMPERATURE.

Pressure.	Normal Height.	Normal Temperature.	DUXFORD. Mean.	DUXFORD. No. of Reports.	S. FARNBOROUGH. Mean.	S. FARNBOROUGH. No. of Reports.	ALDERGROVE. Mean.	ALDERGROVE. No. of Reports.
mb.	feet.	°F.	°F.		°F.		°F.	
950	1730	36	44	17	46	10	47	10
850	4640	27	38	17	39	10	42	11
750	7860	19	29	17	31	6	33	11
650	11,470	8	16	17	23	6	23	3
550	15,570	−6	1	16	7	4	-	-

UPPER WINDS.

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

STATION.	RENFREW.						CATTEWATER.						LYMPNE.					
Height. Feet.	No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.	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.	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	46	19	23	3	1	-	47	15	25	5	2	-	75	10	56	9	-	-
5,000	32	7	14	11	-	-	21	2	15	4	-	-	46	6	31	8	1	-
10,000	22	6	7	9	-	-	7	2	2	3	-	-	17	4	8	5	-	-
15,000	8	1	2	5	-	-	2	2	-	-	-	-	6	5	1	-	-	-

† The readings used are, except in the case of Phœnix Park, the maximum for the period 7h.–18h., and the minimum for the period 18h.–7h. The normal values given above are based on extremes taken over the 24 hours.

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

RAINFALL, HUMIDITY AND LOW CLOUD, ...MARCH....., 1929.

	SUNSHINE. Number of Days with duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.		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 ...	5	7	8	11	0	8·9	5	1305	+46	131	+26	21	3	5	2	0	0	10	31	957	-309	31	-73	0	0
Aberdeen ...	7	7	4	7	6	11·3	27	1259	-128	145	+28	25	5	1	0	0	0	3	21	707	-41	5	-56	0	0
♮Edinburgh ... (Inchkeith)	7	2	7	10	5	11·1	29	1500	*	165	*	26	2	3	0	0	0	3	20	563	+9	7	-29	0	0
♮Renfrew	4	11	7	6	3	10·	29	1198	*	122	*	26	1	2	2	0	0	7	21	975	+50	20	-47	0	0
♮Eskdalemuir ...	2	6	7	8	8	11·[illegible]	29	1284	*	185	*	24	2	2	3	0	0	10	21	1585	+156	33	-92	0	0
Dublin ... ... (Phœnix Park)	2	3	9	9	8	10	28	1528	+21	201	+78	27	1	3	0	0	0	4	20	637	-68	7	-43	0	*
Birr Castle ...	# 3	3	6	10	8	10	26	*	*	*	*	26	2	2	1	0	0	6	24	868	+39	14	-47	0	0
Valentia ... ... (Cahirciveen)	3	4	5	7	12	1[illegible]	29	1480	+35	197	+74	24	2	3	2	0	0	15	20	1621	+207	35	-80	0	0
Tynemouth ...	*	*	*	*	*	*		*	*	*	*	27	3	0	1	0	0	11	21	603	-18	12	-34	0	0
Holyhead ...	2	4	4	8	13	.4	28	1670	*	219	*	25	3	3	0	0	0	5	24	858	-30	14	-53	0	0
♮Liverpool ... (Bidston)	2	6	8	9	6	·0	29	1496	+40	180	+72	27	2	2	0	0	0	4	21	611	-98	7	-41	0	0
♮Cranwell	5	5	7	7	7	10·3	27	1597	*	160	*	25	3	3	0	0	0	4	25	485	-105	9	-27	0	0
Gorleston ...	7	5	6	7	6	10·0	28	1705	*	145	*	24	7	0	0	0	0	1	5	504	-118	3	-41	0	0
Ross-on-Wye ...	2	5	9	7	8	11·2	30	1578	*	188	*	28	1	2	0	0	0	2	21	531	-187	5	-47	0	0
♮Leafield	2	5	6	7	11	11·0	30	1654	*	198	*	27	4	0	0	0	0	1	21	562	-132	2	-48	0	0
London ... ... (Kew Obsy.)	5	5	9	9	3	10·5	28, 30	1641	+166	146	+41	28	3	0	0	0	0	0·2	21, 24, 25	513	-93	0·6	-42	0	0
♮Croydon	3	6	7	10	5	10·9	28	1654	*	162	*	29	1	1	0	0	0	1	25	615	-64	2	-50	0	0
Shoeburyness ...	5	7	4	6	[illegible]	11·5	28	1860	*	167	*	30	1	0	0	0	0	0·3	12	464	-16	0·4	-33	0	0
♮Lympne	3	7	2	6		11·8	28	1931	*	201	*	25	5	1	0	0	0	2	22	674	-50	4	-50	0	1
♮Southampton ... (Calshot)	2	6	5	6	2	10·7	28	1857	*	197	*	27	2	2	0	0	0	3	21	553	-93	5	-38	0	0
Falmouth ... Observatory	6	5	5	4	[illegible]	11·3	29	1744	-15	171	+33	29	0	0	2	0	0	8	21	938	-169	15	-73	0	0

MINIMUM SURFACE HUMIDITY.

No. of Days (Mdt. to Mdt.) with Minima between Fixed Limits.

Station.	95—100 %.	90—94 %.	80—89 %.	70—79 %.	60—69 %.	50—59 %.	40—49 %.	30—39 %.	20—29 %.	10—19 %.
Aberdeen ...	1	1	5	8	2	9	2	3	0	0
Renfrew	0	1	2	8	9	8	2	1	0	0
Eskdalemuir ...	1	1	1	4	6	6	5	4	1	2
Valentia	0	1	1	3	7	9	5	2	3	0
Ross on Wye ...	0	0	1	2	7	2	7	4	5	3
London ... ... (Kew Obsy.) ...	0	0	1	4	2	5	6	7	6	0
Falmouth ...	1	0	5	6	7	6	6	0	0	0

STATE OF GROUND AT 13 h.

No. of Days each type was recorded.

Station.	0	1	2	3	4	5	6	7	8	9
Aberdeen ...	5	22	2	0	0	0	0	2	0	0
Renfrew	4	23	0	2	1	0	0	1	0	0
Eskdalemuir ...	6	8	19	4	0	0	0	0	0	0
Valentia	25	6	0	0	0	0	0	0	0	0
Ross on Wye ...	4	16	10	0	0	0	0	1	0	0
London ... ... (Kew Obsy.) ...	7	20	0	1	1	0	2	0	0	0

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

♮ The average sunshine for Liverpool and the average rainfall for the other stations marked ♮ have been computed from the records available for these several stations by reference to the nearest stations with long records. # 1 observation missing.

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

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

PRESSURE: ICELAND TO GULF OF LIONS MARCH, 1929.

ISOPLETHS* BASED ON SIX-HOURLY OBSERVATIONS.

NOTE:-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 19h. 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. 18°W. in the north, at Lat. 44½°N., Long. 4°E. in the south.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.24571. FRIDAY, 1st MARCH 1929. Page 1.

Observations at 15h. G.M.T. 28th Feb.

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1036·8	+1	S'W	2	c	36	65	8	1500	StCu	5	ASt	10	•
Stornoway	1035·7	+1	SSW	4	o	36	75	7	2500	St	10	-	10	•
Wick	1037·2	+2	SW	2	c	38	65	8	1500	StCu	8	CiSt	10	•
Tiree	1035·7	0	S	5	c	39	75	7	800	StCu	8	-	8	3
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1039·0	+1	SW'S	3	b	32	65	7	-	-	0	ACu	1	7
Malin Head	1035·8	+1	S	5	bc+	39	85	6	5700	StCu	1	CiCu	5	•
Renfrew	1040·0	0	S	3	b	34	65	6	4000	Cu	1	-	1	7
Edinburgh (Inchkeith)	1040·1	0	SW	3	bc	32	85	8	4000	Cu	3	ACu	4	•
Leuchars	1040·8	+1	WSW	3	bc	33	65	6	-	-	0	Ci	3	7
Eskdalemuir	1041·0	+2	S'W	4	b	29	65	8	4000	Cu	2	-	2	7
Tynemouth	1040·8	+1	SW	2	bc/f	33	65	6	800	St	4	-	4	•
Blacksod Point	1033·6	+2	E	4	c	46	75	7	•	-	0	ASt	10	•
Donaghadee	1038·4	+1	SSW	3	c	33	85	7	4000	StCu	9	-	9	•
Birr Castle	1036·7	•	E	2	c	35	85	6	800	St	9	-	9	•
Holyhead	1040·6	+2	S	3	c	31	75	6	2500	StCu	8	-	8	7
Liverpool (Bidston)	1041·6	+1	S'E	3	bc	30	97	6	5700	StCu	1	CiSt	4	•
Chester (Sealand)	1041·1	+2	SSW	3	b	32	65	6	2500	StCu	1	-	1	6
Harrogate	1041·3	+1	SSE	3	b	34	92	7	2500	St	1	ACu	1	•
Spurn Head	1041·6	+1	NW'N	1	c	34	75	8	4000	StCu	9	-	9	•
Birmingham (Edgbaston)	1041·5	+1	SSE	2	bc	32	45	6	2500	Cu	3	-	3	7
Cranwell	1041·4	0	SE	3	bc-	36	75	7	2500	StCu	7	-	7	7
Gorleston	1040·1	+4	NNE	3	bc-	38	85	7	5700	Cu	4	-	4	•
Valentia (Cahirciveen)	1034·9	+2	SE'S	4	c	46	75	8	1500	StCu	7	ACu	9	1
Roches Point	1038·0	+3	SE	3	c	40	75	7	1500	StCu	10	-	10	•
Pembroke (St. Ann's H.)	1039·8	0	SE	3	o	31	92	6	1500	StCu	8	-	8	•
Ross-on-Wye	1040·9	+3	ESE	2	b-	33	55	8	4000	Cu	1	-	1	7
Leafield	1041·1	+4	ESE	2	b-	31	65	8	2500	Cu	1	-	1	6
Winchester (Worthy Dn.)	1040·5	+1	NE	2	bc	33	55	7	4000	StCu	5	-	5	4
S. Farnborough	1040·8	+2	ENE	2	b	33	55	5	4000	StCu	1	-	1	4
London (Kew Obsy.)	1041·1	+1	NE	2	bc-	32	55	5	2500	St	3	-	3	3
Croydon	1040·6	+1	NE'E	2	bc-	33	55	6	2500	Cu	3	-	3	4
Shoeburyness	1040·3	+1	NNE	2	bc-	37	75	8	4000	Cu	4	ASt	E	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1040·0	+1	N	4	bc	37	65	8	4000	StCu	5	-	5	0
Lympne	1037·3	+1	N'E	4	c-	32	65	8	4000	StCu	8	-	8	1
Scilly (St. Mary's)	1038·4	+1	E'S	4	c	40	75	6	4000	StCu	8	-	8	•
Falmouth (Pendennis)	1039·3	+1	E	3	c	34	92	6	4000	StCu	8	-	8	•
Plymouth (Cattewater)	1040·4	0	E	4	b-	33	75	8	4000	Cu	1	Ci	1	3
Portland Bill	1040·2	+3	NE	3	c	32	97	6	2500	StCu	9	-	9	•
Southampton (Calshot)	1041·1	+1	E	2	bc	34	55	7	4000	StCu	6	-	6	3
[illegible]	1039·5	+3	NNE	3	c	34	85	8	1500	StCu	9	-	9	•
Guernsey (Fort George)	1039·0	+1	ENE	3	c	34	85	8	4000	StCu	8	-	8	•

Observations at 18h. G.M.T. 28th Feb.

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1036·1	0	S	2	c	37	75	8	1500	StCu	5	ASt	9	•
Stornoway	1034·5	0	S	4	o	38	75	7	2500	St	10	-	10	3
Wick	1036·6	-1	SW	2	bc	34	85	8	2500	StCu	2	CiSt	4	0
Tiree	1034·2	0	S	5	c	34	85	8	1500	StCu	8	-	8	4
Nairn	1037·1	•	-	0	bc	31	92	7	1500	St	2	CiCu	3	•
Aberdeen	1039·1	0	SSW	3	b	28	75	5	-	-	0	Ci	1	0
Malin Head	1035·9	+1	S	4	c+	35	97	6	5700	StCu	2	CiSt	8	3
Renfrew	1039·6	0	SE	1	c	33	75	6	4000	StCu	10	-	10	•
Edinburgh (Inchkeith)	1039·5	0	SW	2	bc	31	85	6	1500	St	3	-	3	0
Leuchars	1040·3	+1	SW	2	bc-	28	85	6	-	-	0	Ci	3	•
Eskdalemuir	1041·8	+1	SW	2	b-	23	75	6	-	-	0	-	0	•
Tynemouth	1040·8	0	SW	1	mmbc	31	85	4	800	St	6	-	6	1
Blacksod Point	1032·7	0	E	4	bc	43	75	7	•	StCu	7	-	7	5
Donaghadee	1038·4	0	S	3	c	35	85	7	4000	StCu	9	-	9	3
Birr Castle	1036·8	•	E	3	c	36	75	6	1500	Cu	1	ASt	9	•
Holyhead	1041·1	+1	S'E	1	bc	30	65	6	2500	St	1	Ci	7	0
Liverpool (Bidston)	1041·7	0	SE	3	bc	28	97	6	4000	St	1	CiSt	5	•
Chester (Sealand)	1041·4	+1	S	1	b+	28	65	6	-	-	0	Ci	1	•
Harrogate	1042·4	+1	S	1	fb	29	92	3	<150	St	2	-	2	•
Spurn Head	1042·3	0	E'S	1	fc	33	75	8	5700	StCu	5	ACu	9	2
Birmingham (Edgbaston)	1041·9	0	SSE	1	b-	31	55	5	-	-	0	-	0	•
Cranwell	1042·4	+2	-	0	c	30	85	7	4000	StCu	9	-	9	•
Gorleston	1041·6	+2	NNE	3	b	34	92	7	-	-	0	-	0	0
Valentia (Cahirciveen)	1034·0	-1	SE'E	4	c	45	65	8	4000	StCu	6	ACu	8	3
Roches Point	1036·7	-1	SE	4	c	43	85	7	1500	StCu	10	-	10	5
Pembroke (St. Ann's H.)	1040·1	0	ESE	3	c+	31	97	6	1500	St	6	CiCu	8	1
Ross-on-Wye	1041·3	+1	-	0	b	29	65	6	-	-	0	-	0	•
Leafield	1041·3	+1	ENE	1	b-	28	75	8	-	-	0	CiSt	1	•
Winchester (Worthy Dn.)	1041·0	+2	N	2	b	30	75	6	4000	StCu	2	-	2	•
S. Farnborough	1041·1	+1	N	1	c	32	55	6	4000	StCu	10	-	10	•
London (Kew Obsy.)	1041·8	+1	NNE	2	bc	34	55	5	2500	StCu	4	-	4	•
Croydon	1041·1	+1	NNE	1	mbc+	33	65	4	4000	StCu	6	-	6	•
Shoeburyness	1041·0	+2	NE	1	b	30	75	8	4000	Cu	1	-	1	•
Clacton-on-Sea	1041·1	+2	NNE	3	bc	34	75	7	-	-	0	ACu	3	2
Felixstowe	1041·3	+2	NE'N	2	b	32	85	5	-	-	0	-	0	1
Lympne	1039·7	+1	N'E	4	bc+	31	65	7	2500	StCu	7	-	7	•
Scilly (St. Mary's)	1038·7	0	ESE	3	c	38	75	7	4000	StCu	8	-	8	4
Falmouth (Pendennis)	1039·5	+2	E'S	3	bc	35	75	7	4000	Cu	5	Ci	6	2
Plymouth (Cattewater)	1040·7	+1	E	3	bc+	32	75	8	4000	StCu	7	CiSt	7	0
Portland Bill	1040·2	0	NE	2	bc-	33	85	6	2500	StCu	3	-	3	2
Southampton (Calshot)	1041·4	0	SSE	1	b	32	75	7	-	-	0	-	0	0
[illegible]	1039·8	+2	NNE	3	bc+	34	97	8	2500	StCu	6	-	6	3
Guernsey (Fort George)	1039·7	-1	E	3	bc-	33	85	8	2500	Cu	7	-	7	4

LONDON OBSERVATIONS. Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night (24 Hours ended 9h.)	Temperature Max. Day °F.	Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 18h. G.M.T. % (To-day)	Visibility
Kew	18	cbz,y	bcz,y	bmpz,bfx	35	25	13	-	0·1	2·0	*	*	2
Croydon	154	cz,bcy	bccz,	bozFx	35	24	15	-	-	1·8	*	*	1
Greenwich (Royal Obsy.)	149	cb	bc	cbczbzf	37	25	13	-	Tr	2·6	63	75	2
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	1·8	*	*	*
Westminster (St. James' Pk.)	97	*	*	*	36	28	19	-	-	1·1	100	83	*
Regent's Pk. (Botanic Gdns).	182	*	*	*	*	*	*	*	*	1·9	*	*	*
Camden Square	110	cbc	bcc	*	37	25	4	-	-	*	*	91	*
Kensington Palace	80	bc	bcco	*	35	26	20	-	-	1	(At 18h) 69	77	*
Hampstead Observatory	450	*	*	*	33	23	13	-	-	4·9	*	87	*

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 7h. G.M.T. 1st

South Kensington

Max.	Time.	Min.	Time.
1·2	8h 28th	<0·3	3h 1st

Kew Observatory

Max.	Time.	Min.	Time.
0·3	19h 28th	0·1	16h 28th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 28th 12h 30m to 1st 5h 45m

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	11.15	8·45	78
δ Ursae Minoris	11.15	8·41	77

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

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET.

1st & 2nd March, 1929.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.43 6.41	12.6 12.5	17.29 17.31
Greenwich	6.48 6.46	12.13 12.12	17.38 17.40
Wick	7.12 7.9	12.25 12.25	17.39 17.42
Valentia	7.30 7.27	12.54 12.53	18.18 18.20

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening skies.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_o = slight rain. rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. Ɯ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—b/r = fair weather after rain; − = has decreased; + = has increased.

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
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.

§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

Objects not visible at

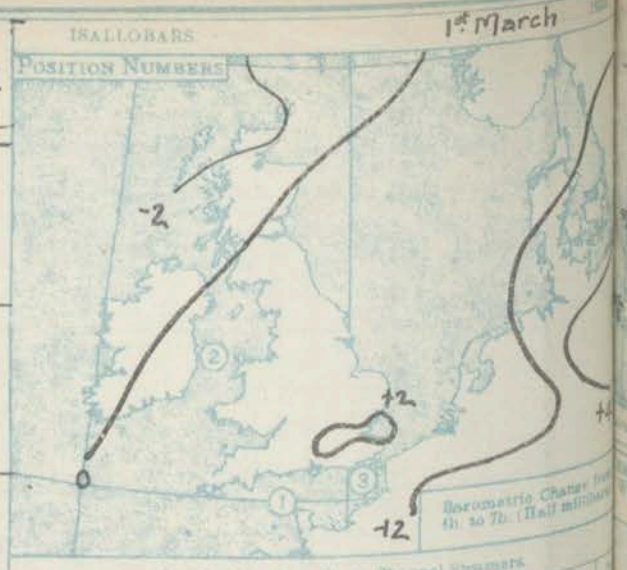
0. Dense fog. 55 yards.
1. Thick fog. 220 „
2. Fog. 550 „
3. Moderate fog. 1,100 „
4. Mist or haze. 1¼ miles.
5. Poor visibility. 2½ „
6. Moderate. 6¼ „
7. Good. 12½ „
8. Very good. 31 „
9. Excellent visibility, beyond 31 m.

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-13h. 28th	Weather. 13h.-18h. 28th	Weather. 18h. 28th to 1h. 1st	Weather. 1h.-7h. 1st	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Day. 7h.-18h. began.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Night. 18h.-7h. began.	Sun 28th Hours.
Lerwick	c	c	cbc	bcc	37	33	•	–	–	–	–	0·0
Stornoway	o	o	c	oq	38	37	•	–	–	–	–	0·0
Wick	c	b-bc	bbc	bbc	39	34	•	–	–	–	–	•
Tiree	oc	c	cq	coc	(39)	34	33	–	–	–	–	2·3
Nairn	bbc	bc	bcx	bc	36	27	•	–	–	–	–	8·8
Aberdeen	bcb	bz₀	b	bbc	32	26	23	–	–	–	–	7·8
Malin Head	bbcz₀z₀	bccz₀z₀	cbcz₀z₀	bcz₀z₀	40	34	•	–	–	–	–	7·1
Renfrew	bffz₀	bz₀cz₀	cz₀c	c	34	27	24	–	–	–	–	2·5
Edinburgh (Inchkeith)	bbc	b-bc	bcb	bbc	35	23	25	–	–	–	–	9·0
Leuchars	b,bc	bcbbc	bcc	cbc	33	24	18	–	–	–	–	8·2
Eskdalemuir	bxbcb	bbc	bz₀x	b,cm₀x	31	15	12	–	–	–	–	8·8
Tynemouth	cbcif	bcmm	bcff	bc	34	24	20	–	–	–	–	•
Blacksod Point ...	o	oc	c	c	47	40	•	–	•	–	•	•
Donaghadee	c	c	c	c	36	35	•	–	–	–	–	•
Birr Castle	cm₀	cm₀	cm₀	cm₀	38	34	31	–	–	–	–	0·0
Holyhead	bccz₀	cz₀bc	bcbz₀	bbcz₀	33	28	25	–	–	–	–	3·1
Liverpool (Bidston) ...	bc	bc	bbx	bbx	31	22	14	–	–	–	–	8·5
Chester (Sealand) ...	bxz₀	bz₀	bm₀x	bm₀x	32	17	12	–	–	–	–	8·8
Harrogate	bcb	bbf	bff	bfmx	34	22	16	–	–	–	–	5·8
Spurn Head	bcc	c	cbcbbcxz	bc	37	27	•	–	–	–	–	1·7
Birmingham (Edgbaston)	cbc	bcb	b	bx	33	21	6	–	–	–	–	5·6
Cranwell	cbc	bcc	b	bbx	37	18	13	–	–	–	–	6·0
Gorleston	cxrs₀bc	bcb	bxb	bcx	39	29	22	Tr	18·00	–	–	5·5
Valentia (Cahircivesn)	bcc	c	c	c	47	43	42	–	–	–	–	0·2
Roches Point	c	c	cg	cg	44	42	•	–	–	–	–	•
Pembroke (St. Ann's H.)	bcc	cbcc	bbcc	cbcm₀	33	31	•	–	–	–	–	5·4
Ross-on-Wye	cbc	by	bmbfbm	bmx	35	15	8	–	–	–	–	6·5
Leafield	bcb	b	b	bbc	33	20	15	–	–	–	–	8·6
Winchester (Worthy Dn.)	bcbcy	bm₀	bm₀	bm₀x	35	22	16	–	–	–	–	7·6
S. Farnborough ...	cbm₀y	bz₀cy	cyz₀bm₀x	bm₀xom	35	19	12	–	–	Tr	–	5·4
London (Kew Obsy.) ...	cbz₀y	bcz₀y	bz₀	bm₀xsbfx	35	25	13	–	–	0·1	–	2·0
Croydon	cz₀bcy	bccz₀	boz	obzFx	35	24	15	–	–	–	–	1·8
Shoeburyness	cbc	bcb	bs₀	bx	38	22	15	–	–	Tr	22·00	4·3
Clacton-on-Sea ...	cbc	bc	bc	bccpbc	37	27	22	–	–	0·1	4·30	4·3
Felixstowe	cbc	bcbyz₀	bz₀	bcm₀x	38	22	11	–	–	–	–	5·1
Lympne	cs₀s₀c	cbcbps	bccpsbcb	bbx	35	22	15	Tr	9·00	Tr	22·00	3·7
Scilly (St. Mary's) ...	cm₀	cbcc	cbcc	c	41	36	•	–	–	–	–	5·2
Falmouth (Pendennis)	cz₀	cz₀bc	bcc	c	37	35	•	–	–	–	–	2·3
Plymouth (Cattewater)	bxcb	bbc	bcc	c	35	31	27	–	–	–	–	7·3
Portland Bill	bccz₀	cbcz₀	bz₀	bz₀	34	29	•	–	–	–	–	•
Southampton (Calshot)	xbcy	bcb	bm₀x	b,bcm₀x	35	25	15	–	–	–	–	5·5
Dungeness	c	cbc	bcs₀b	b	36	36	•	–	–	Tr	22·00	•
Guernsey	c	cbc	bc	bcqx	35	33	•	–	–	–	–	4·2



Observations from Cross Channel Steamers

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	28th 10h	Hibernia	S	5	c	35	44
1	• 12h	St. Helier	ENE	4	bc+	36	46
3	1st 2h	Brighton	ENE	5	bc-	34	43

GENERAL INFERENCE.

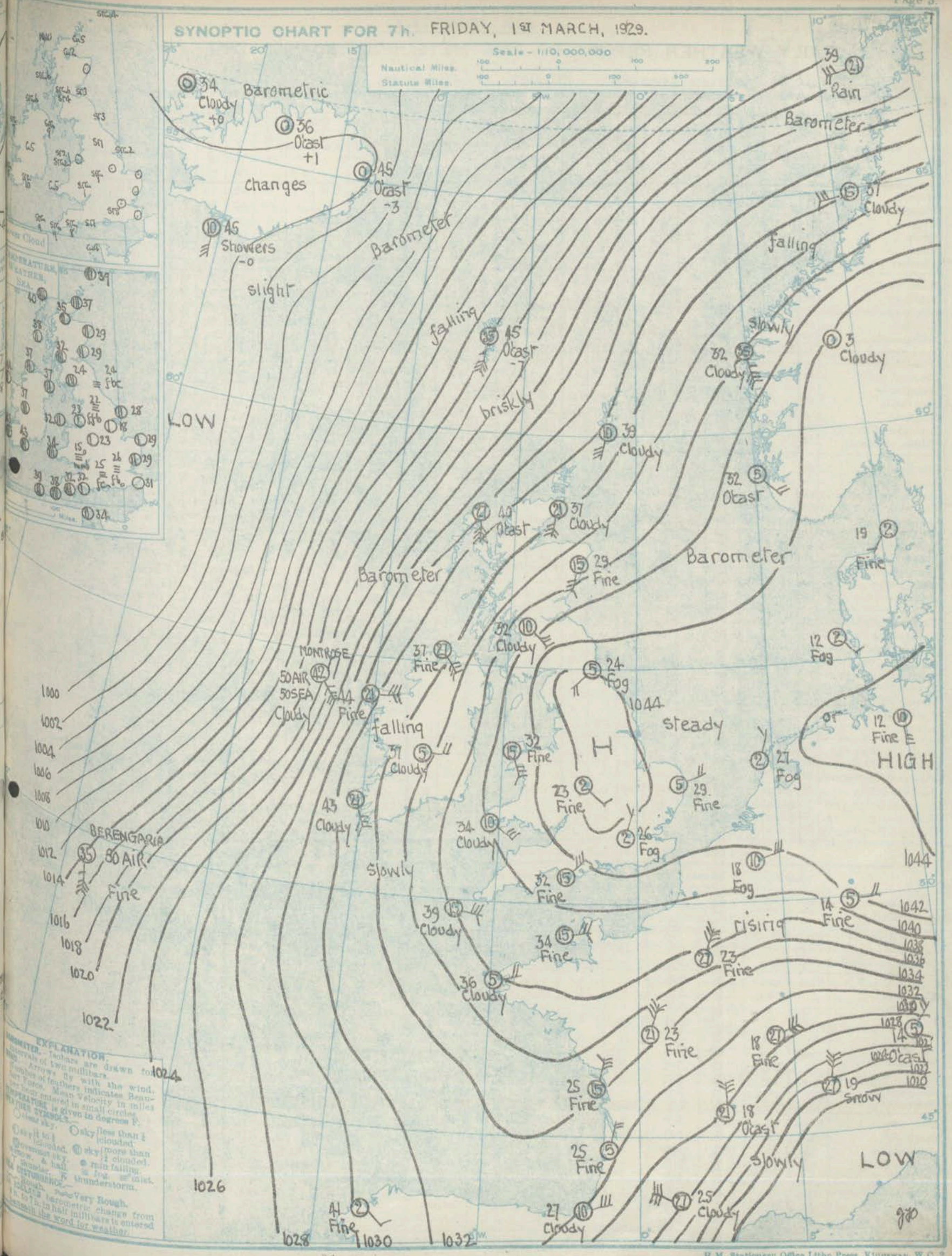
An extensive anticyclone extends from Eastern England to Central Europe while a deep depression is moving northeastward off our northwestern coast. Weather will continue fair in England with rather low temperature but be unsettled temporarily in Ireland and Scotland with some rise of temperature.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Friday, 1st March, 1929.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light variable winds becoming moderate to fresh southerly; fair, less cold than of late.	
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Fresh southerly winds, strong at times; cloudy, perhaps some rain later; temperature rising.	None issued.
8. N.W. England ↓ 9. N. Midlands	Fresh to strong southerly winds, cloudy, perhaps some rain later; temperature rising.	
10. N.E. England 11. S.E. Scotland ↓	Fresh to strong southwesterly to southerly winds; cloudy, temperature rising.	
12. S.W. Scotland & Isle of Man ↓ 13 A. W. Scotland ↓ 13 B. N.W. Scotland ↓ 14. Mid-Scotland 15. N.E. Scotland ↓ 16. Orkneys and Shetlands ↓ 17. N.W. Ireland ↓ 18. N.E. Ireland ↓ 19. S.E. Ireland ↓ 20. S.W. Ireland ↓	Strong to gale southerly winds; cloudy, some rain later; temperature rising.	↓ South Cone hoisted at 3h. 30m. today in districts 13A, 13B, 15 and 16; and at 8h. 20m. today in districts 8, 11, 12, 17, 18, 19 and 20. W.H.P.

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

† For code see page 1

† Trace = rain has fallen but amount less than 0·1 mm.


SYNOPTIC CHART FOR 7h. FRIDAY, 1st MARCH, 1929.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Barometric changes
Barometer falling slowly
Barometer falling briskly
Barometer falling
Barometer steady
Barometer rising slowly
LOW
HIGH
H
MONTROSE
BERENGARIA
Rain
Showers
Cloudy
Fine
Fog
Snow
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030
1032
1042
1044

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION........FRIDAY.,...1st MARCH.........1929.   No..60...

STATIONS.	Height above M.S.L. in feet.	1h. Barom. at M.S.L. mb.	1h. Change in 3 Hours	1h. Wind Direc.	1h. Wind Force 0-12	1h. Weather	1h. Temp. °F.	1h. Humidity %	1h. Visibility 0-9	1h. Low Cloud Height Feet	1h. Low Cloud Form	1h. Low Cloud Amt. 0-10	1h. Upper Form	1h. Total Amt. 0-10	7h. Barom. at M.S.L. mb.	7h. Change in 3 Hours	7h. Wind Direc.	7h. Wind Force 0-12	7h. Weather	7h. Temp. °F.	7h. Humidity %	7h. Visibility 0-9	7h. Low Cloud Height Feet	7h. Low Cloud Form	7h. Low Cloud Amt. 0-10	7h. Upper Form	7h. Total Amt. 0-10	[illegible] 0-9
Lerwick	64	1035.0	-2	S	1	bc	34	85	8	1500	StCu	4	A.St	6	1031.9	-3	S'W	3	c	39	75	8	1500	StCu	4	A.St	9	•
Stornoway	30	1031.5	-7	SW	6	c	•	•	6	•	•	•	•	10	1029.5	-3	S	6	o	40	85	7	2500	Nb	10	-	10	5
Wick	81	1034.9	-3	SSW	3	bc	35	85	8	1500	St	4	Ci.St	7	1032.3	-2	SSW	5	c	37	85	7	2500	Cu	5	A.Cu	8	3
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1032.6	0	S	6	bc-	38	85	8	1800	StCu	6	-	6	[illegible]
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1033.6	•	-	0	bc+	35	85	8	2500	Cu	2	A.Cu	6	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	1037.2	+1	SSW	4	bc+	29	85	7	-	-	0	A.Cu	5	0
Malin Head	51	1035.4	-1	SSE	4	bc	35	92	6	5700	StCu	2	A.Cu	3	1032.6	-1	SSE	6	bc+	37	85	6	5700	StCu	4	A.Cu	7	3
Renfrew	58	•	•	•	•	•	•	•	•	•	•	•	•	•	1039.8	0	SE	3	c	32	85	7	4000	StCu	10	-	10	•
Edinburgh (Inchkeith)	190	1039.4	0	SW	4	b	29	92	7	800	St	2	-	2	1039.3	0	SW	3	bc	29	92	6	800	St	3	Ci	4	1
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	1040.1	0	SW	3	c+	29	85	6	4000	StCu	3	A.Cu	8	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1042.1	+1	S'W	3	c	24	85	6	1500	StCu	9	-	9	•
Tynemouth	67	1042.2	0	SW	2	bcff	25	85	6	800	St	4	-	4	1042.2	+1	SW	2	fbc	24	92	3	1500	St	3	A.Cu	4	1
Blacksod Point ...	18	1031.8	-1	E	4	bc	43	75	7	•	StCu	7	-	7	1031.1	-1	E	5	bc	44	75	7	•	StCu	7	-	7	5
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1038.2	+1	S	3	c	37	75	7	4000	StCu	9	-	9	3
Birr Castle	178	•	•	•	•	•	•	•	•	•	•	•	•	•	1035.6	•	E	2	c	37	85	6	1500	Cu	5	Ci	8	•
Holyhead	30	1041.4	-1	SSE	3	b	31	75	6	-	-	0	Ci	1	1041.0	+1	SSE	4	bc	32	85	6	1500	St	4	-	4	1
Liverpool (Bidston)...	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1043.4	+1	SE	3	b	23	85	6	-	-	0	Ci.St	2	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1043.0	+3	SE	2	b	17	85	5	-	-	0	Ci	2	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	1044.0	0	SSW	2	mmb	22	92	4	<150	St	1	Ci	1	•
Spurn Head	29	1043.4	0	N	2	bc+	30	85	6	220	St	3	-	3	1043.8	0	-	0	bc	28	85	6	2500	StCu	2	Ci	3	1
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•	1044.4	+1	SE	1	b	23	85	5	4000	StCu	1	Ci	1	[illegible]
Cranwell	238	1043.7	+3	-	0	b	22	92	6	-	-	0	-	0	1044.0	0	-	0	b+	18	97	7	-	-	0	Ci	2	•
Gorleston	14	1043.2	+2	ENE	3	bc+	34	97	8	4000	Cu	3	-	3	1043.9	+1	ENE	2	b	29	92	6	-	-	0	A.Cu	2	0
Valentia (Cahirciveen) ₽	30	1033.7	0	SE	5	bc	45	92	8	*	St	7	-	7	1033.3	-1	SSE	5	c	43	75	8	2500	StCu	8	A.St	9	4
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1037.2	0	SW	4	c	43	75	8	1500	StCu	10	-	10	5
Pembroke (St. Ann's H.)	160	1041.1	?	SSE	3	c+	34	97	7	4000	StCu	8	-	8	1040.3	+1	SE	3	c+	34	92	6	1500	Cu	5	A.St	8	2
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1043.6	0	-	0	mmb	15	92	4	4000	StCu	1	Ci	1	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1043.3	0	NNE	1	c	23	85	6	2500	StCu	8	-	8	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•	1042.7	+1	NNE	1	b	23	92	6	-	-	0	-	0	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	1042.9	+2	ENE	1	mfc-	25	92	4	1500	St	8	-	8	•
London (Kew Obsy.)...	18	•	•	•	•	•	28	•	•	•	•	•	•	•	1043.6	+2	N'E	1	fb	26	85	3	-	-	0	-	0	•
Croydon	244	1042.6	0	-	0	mmo	28	85	4	800	St	10	-	10	1043.1	+1	E'N	1	fo	25	97	1	<150	St	10	-	10	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1043.4	0	N'E	1	b	24	85	7	-	-	0	-	0	•
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1043.2	0	E	3	bc	29	85	7	-	-	0	A.Cu	4	2
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1043.8	+2	NE	1	b	24	92	5	-	-	0	-	0	0
Lympne	350	1041.5	+2	ENE	3	b-	29	65	7	-	-	0	-	0	1041.9	+1	ENE	3	b	24	75	7	-	-	0	-	0	•
Scilly (St. Mary's) ...	163	1039.6	0	SE'E	5	c	37	75	7	4000	StCu	9	-	9	1039.7	0	E'S	4	c	39	75	8	4000	StCu	9	-	9	4
Falmouth (Pendennis)	200	1040.2	+1	ESE	4	c	37	75	8	4000	StCu	9	-	9	1039.1	+1	SE	3	c	38	65	8	4000	StCu	9	-	9	1
Plymouth (Cattewater)	88	•	•	•	•	•	•	•	•	•	•	•	•	•	1041.5	+1	E	4	c-	32	85	8	2500	StCu	8	-	8	0
Portland Bill	32	1041.5	0	NE	4	b	33	85	6	-	-	0	-	0	1040.7	+1	NE	4	b	32	85	6	1500	St	1	-	1	4
Southampton (Calshot)	10	1042.4	0	NE	3	b	29	75	6	-	-	0	-	0	1042.2	0	NE	4	b	28	85	6	-	-	0	-	0	0
Dungeness	20	1041.5	+1	ENE	4	b-	32	75	8	-	-	0	-	0	1041.9	+3	E	3	b	31	85	8	-	-	0	-	0	
Guernsey (Fort George) ₽	206	1039.9	0	ENE	3	c	36	75	9	4000	StCu	8	-	8	1039.7	+1	E	4	bc	34	65	8	2500	Cu	4	-	4	

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

STATIONS. (1)	Weather Fore-noon. (2)	Weather After-noon. (3)	Temperature Min. 9h. 27th to 9h. 28th (4) °F.	Temperature Max. 9h.-17h. 28th (5) °F.	Rainfall Night 17h.-9h. 27th-28th (6) mm.	Rainfall Day 9h.-17h. 28th (7) mm.	Sunshine Sunrise to 17h. 28th (8) hr.	Sunshine Sunrise to Sunset 27th (9) hr.
Berwick-on-Tweed	bc	bc	17	32	-	-	8.9	0.1
Douglas (I. o. M.) ...	xco	co	28	34	-	-	1.4	1.3
Llandudno ...	c	cbc	21	36	-	-	5.6	5.9
Colwyn Bay ...	cb	b	21	37	-	-	5.7	5.0
Rhyl...	xb	b	19	34	-	-	9.2	3.0
Wallasey	b	b	23	32	-	-	7.8	2.1
Southport	bx	bx	*19	35	-	-	7.7	2.2
Blackpool	b	bbc	20	34	-	-	7.7	2.3
Ilkley	bc	bc	13	34	-	-	4.9	0.0
Cleethorpes... ...	co	obc	27	38	-	-	2.3	0.1
Skegness	cbcoc	cbcbbc	26	36	Trace	-	3.1	1.3
Aberystwyth ...	bbc	bbc	21	33	-	-	9.2	7.7
Bath	b	b	18	34	-	-	9.1	5.1
Cheltenham‡ ...	b	b	24	34	-	-	8.6	4.2
Leamington Spa ...	b	b	23	35	-	-	7.1	2.9
Lowestoft	cbc	b	23	36	-	-	8.2	2.3
Harwich & Dovercourt	bc	bc	24	38	-	-	4.8	4.1
Maldon	c	bbc	25	36	-	-	2.2	2.3
Southend	c	bcb	26	39	-	-	3.5	5.0

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	xb	b	22	36	-	-	9.2	6.5
Penzance	bbc	b	30	39	-	-	6.1	0.8
Paignton	oc	bcco	26	34	-	-	1.2	3.6
Torquay	oc	bcc	26	34	-	-	1.4	4.1
Jersey	bc	bc	30	36	-	-	8.4	0.1
Weymouth	bbc	b	22	35	-	-	7.0	4.7
Bournemouth ...	b	b	20	37	-	-	9.0	4.3
Ventnor ...	xc	cbz	25	35	-	-	3.2	5.0
Portsmouth (S'thsea)	obc	bcb	24	36	-	-	4.6	3.5
Bognor	bc	bcb	26	36	-	-	3.5	4.0
Littlehampton ...	bc	bcc	26	37	-	-	2.6	4.2
Worthing	c	cbc	26	36	-	-	1.8	4.7
Brighton	bcc	cbcb	27	37	-	-	2.4	4.0
Eastbourne‡	bcc	cbcb	26	37	-	-	3.3	4.3
Hastings‡	cbcc	cbcb	25	35	-	-	3.5	5.7
Folkestone	cbc	bco	25	36	-	-	3.7	6.6
Dover	cis₀	cobs	26	37	-	Trace	3.3	7.6
Tunbridge Wells ...	coc	cbc	26	36	-	-	0.5	5.1
Ramsgate	bcb	b	25	36	-	-	3.6	7.1
Margate	c	bc	26	36	-	-	3.5	7.1
Deal	o₂,oc	bbc	26	37	-	Trace	2.8	7.6

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

* Information not usually received. ₽ The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. § For code see page 1. †‡ See footnote page 1.

‡ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ⊕ 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24,572 Saturday, 2nd March 1929.

Observations at 18h. G.M.T. 1st

Stations. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.	Sea. 0-9
Lerwick	1029.5	-3	S	3	c	42	75	8	1500	StCu	5	ASt	9	•	
Stornoway	1028.0	-3	S	7	o	41	85	6	2500	St	10	-	10	•	
Wick	1030.6	-2	SSW	5	c	41	85	8	1500	St	6	CiSt	10	•	
Tiree	1032.7	0	S'W	7	bc	42	75	8	1500	Cu	4	-	4	o	
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Aberdeen	1035.4	-2	SSW	4	bc	36	75	6	-	-	o	CiSt	7	7	
Malin Head	1032.7	+1	S	7	c	42	85	7	5700	StCu	3	CiCu	8	•	
Renfrew	1038.5	-1	SSW	4	c	38	65	7	2500	Cu	6	ACu	8	7	
Edinburgh (Inchkeith)	1038.8	0	SW	4	c	35	65	7	1500	St	6	CiCu	9	•	
Leuchars	1038.6	-1	W SW	4	c	36	75	6	-	-	o	ASt	9	7	
Eskdalemuir	1040.7	-1	SSW	5	c	32	75	6	1500	St	3	ASt	9	3	
Tynemouth	1041.2	-1	SSW	2	bclf	37	92	6	1500	St	3	Ci	4	•	
Blacksod Point	1031.9	0	E'S	5	c	46	75	8	•	Cu	8	-	8	•	
Donaghadee	1037.7	0	S	5	c	39	75	6	4000	StCu	8	-	8	•	
Birr Castle	1036.3	•	E	3	c	45	75	7	2500	Cu	8	-	8	•	
Holyhead	1040.8	-1	S	4	c⊕	39	65	8	-	-	o	CiSt	9	7	
Liverpool (Bidston)	1041.8	0	SSE	4	bc+	36	85	6	-	-	o	Ci	7	•	
Chester (Sealand)	1041.9	-2	S'E	3	bc+	38	65	6	-	-	o	Ci	5	3	
Harrogate	1042.3	-1	SSW	3	b	38	85	7	2500	St	1	Ci	2	•	
Spurn Head	1042.6	0	S'E	3	bc	36	92	7	4000	Cu	3	CiCu	4	•	
Birmingham (Edgbaston)	1042.8	-1	SSE	3	bc+	37	45	8	-	-	o	Ci	3	4	
Cranwell	1043.5	-2	S	3	bc-	40	65	8	4000	Cu	5	-	5	7	
Gorleston	1044.5	0	NE	3	bc+	41	92	7	-	-	o	CiCu	3	•	
Valentia (Cahirciveen)	1034.6	0	SSE	5	c	45	65	8	2500	St	9	-	9	o	
Roches Point	1037.5	-1	SW	4	c	43	75	8	1500	StCu	10	-	10	•	
Pembroke (St. Ann's H.)	1040.3	-2	ESE	3	bc-	40	75	7	-	-	o	CiCu	4	•	
Ross-on-Wye	1041.4	-1	SE'S	2	bc	39	45	7	-	-	o	Ci	3	7	
Leafield	1042.4	+1	E	3	b	36	55	8	-	-	o	CiSt	1	6	
Winchester (Worthy Dn.)	1041.7	-4	E	3	b	38	45	9	4000	StCu	1	-	1	o	
S. Farnborough	1042.1	-4	E	4	b	39	45	6	-	-	o	-	o	4	
London (Kew Obsy.)	1042.8	-2	E'N	3	blf	37	55	5	-	-	o	-	o	6	
Croydon	1042.5	-3	E'N	4	b-	38	55	6	2500	Cu	1	-	1	1	
Shoeburyness	1043.2	0	NE'N	3	bc	39	75	8	2500	Cu	3	ASt	4	•	
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Felixstowe	1043.4	+1	NE'E	4	bc+	39	92	8	4000	Cu	1	CiSt	4	o	
Lympne	1041.6	-2	NE'N	5	b+	37	55	8	-	-	o	Ci	2	1	
Scilly (St. Mary's)	1038.0	-1	SE'E	5	c	41	75	6	4000	StCu	9	-	9	•	
Falmouth (Pendennis)	1039.5	-1	SE	3	c-	38	75	8	4000	StCu	8	-	8	•	
Plymouth (Cattewater)	1039.8	-4	ESE	4	bc+	38	85	8	4000	Ci	5	Ci	6	1	
Portland Bill	1040.8	0	ENE	4	bc	37	55	8	2500	Cu	7	-	7	•	
Southampton (Calshot)	1041.7	-4	E'N	4	b	37	55	7	-	-	o	ACu	1	4	
Dungeness	1042.0	+1	ENE	3	bc	37	97	8	1500	Cu	2	CiSt	4	•	
Guernsey (Fort George)	1038.6	-4	E'N	6	b-	37	55	9	2500	Cu	1	Ci	2	•	

Observations at 18h. G.M.T. 1st

Stations.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1025.8	-3	S	3	c	42	75	8	1500	StCu	6	Ci	8	•
Stornoway	1027.5	+1	SW	7	c	42	75	6	2500	Nb	7	ASt	10	6
Wick	1028.5	-2	SSW	5	c	41	75	8	1500	StCu	6	CiSt	8	3
Tiree	1031.3	-1	S'W	7	bc	42	75	8	1500	Cu	2	ACu	5	7
Nairn	1029.9	•	-	0	bc+	41	65	7	1500	StCu	7	-	7	•
Aberdeen	1033.5	-2	SSW	4	c+	36	85	6	5700	StCu	3	CiSt	8	0
Malin Head	1031.7	-1	S	6	c	42	85	7	5700	StCu	7	CiCu	8	4
Renfrew	1037.6	-2	SSW	3	c	37	75	7	2500	StCu	9	-	9	•
Edinburgh (Inchkeith)	1038.5	-1	SW	4	bc	35	75	7	1500	St	3	-	3	•
Leuchars	1037.3	-1	SW	4	c	35	75	6	1500	St	2	Ci	8	•
Eskdalemuir	1040.0	0	S	2	bc	29	75	6	2500	St	1	Ci	5	•
Tynemouth	1040.4	-1	S	1	bc	36	75	6	1500	St	3	-	3	•
Blacksod Point	1031.1	0	SE	5	c	44	65	8	•	-	o	ACu	8	6
Donaghadee	1036.6	-1	SSW	4	bc+	38	85	7	4000	StCu	5	CiSt	7	4
Birr Castle	1034.4	•	E	4	c	41	85	7	2500	Cu	4	CiCu	8	•
Holyhead	1039.7	0	SSE	1	bc	36	75	6	-	-	o	CiSt	6	0
Liverpool (Bidston)	1040.6	-1	SE	3	bc	35	65	6	-	-	o	Ci	6	•
Chester (Sealand)	1040.7	0	SSE	2	bc+	34	65	6	-	-	o	Ci	7	•
Harrogate	1041.5	-1	S	2	mb	33	85	4	2150	St	2	-	2	•
Spurn Head	1042.6	0	S	3	bc	(33)	92	7	5700	StCu	2	ACu	3	0
Birmingham (Edgbaston)	1041.6	-1	SE	2	b	35	45	5	-	-	o	Ci	2	•
Cranwell	1042.4	0	E'S	2	b	33	85	7	4000	StCu	1	-	1	•
Gorleston	1042.8	0	E	3	b	35	85	7	-	-	o	Ci	1	0
Valentia (Cahirciveen)	1033.7	+1	S'E	4	c	44	65	8	2500	StCu	8	ACu	9	3
Roches Point	1036.5	-1	SW	4	c	43	75	8	1500	StCu	10	-	10	6
Pembroke (St. Ann's H.)	1039.0	-3	SE	3	bc	37	85	7	2500	Cu	2	CiCu	5	3
Ross-on-Wye	1040.3	-1	ESE	2	b-	33	85	6	-	-	o	CiSt	1	•
Leafield	1041.6	0	E'N	2	b	31	65	7	-	-	o	CiSt	1	•
Winchester (Worthy Dn.)	1040.0	+1	ENE	2	b	35	65	8	-	-	o	CiSt	2	•
S. Farnborough	1040.4	0	E	2	b	34	65	6	-	-	o	Ci	1	•
London (Kew Obsy.)	1041.2	-1	ENE	3	mb+	35	65	4	-	-	o	-	o	•
Croydon	1041.0	0	E'N	3	b+	33	75	6	-	-	o	Ci	2	•
Shoeburyness	1041.2	-2	ENE	2	b	31	75	8	-	-	o	CiSt	1	•
Clacton-on-Sea	1041.6	-2	NE	4	b	34	85	7	-	-	o	Ci	2	2
Felixstowe	1042.1	-1	NE'N	2	b	33	85	7	-	-	o	Ci	1	1
Lympne	1039.9	0	NE	4	b	31	75	8	-	-	o	-	0	•
Scilly (St. Mary's)	1036.8	-1	E'S	5	bc-	38	85	7	4000	Cu	5	-	5	5
Falmouth (Pendennis)	1038.1	-1	E	4	bc+	38	65	8	4000	StCu	6	CiSt	7	1
Plymouth (Cattewater)	1039.4	+1	E	4	b	35	85	9	2500	StCu	1	Ci	2	0
Portland Bill	1038.7	-1	NE	4	b	38	55	8	-	-	o	Ci	2	5
Southampton (Calshot)	1040.0	-2	ENE	3	b	36	65	8	-	-	•	Ci	1	0
Dungeness	1039.5	-3	ENE	4	bc	35	97	8	1500	Cu	2	Ci	4	4
Guernsey (Fort George)	1037.2	-2	ENE	6	bc	36	65	8	4000	Cu	2	ACu	3	6

LONDON OBSERVATIONS.

Day. 7h-18h., Kew & Croydon. 9h-18h., Kensington. 9h-21h., other stations.

	Height above M.S.L. in feet.	Weather. Morning. (24 hours ended 9a.)	Weather. Afternoon.	Weather. Night.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Temperature. Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. % To-day.	Visibility 9a.
Kew	18	bfxzy	bzy	bzfmbw	39	24	11	Tr	Tr	4.5	•	•	3
Croydon	244	oFfb	bz.y	bzxbmx	40	20	10	-	-	7.4	•	•	4
Greenwich (Royal Obsy.)	149	by	by	bx	41	23	10	-	Tr	7.7	49	72	5
City (Bunhill Row)	30	•	•	•	•	•	•	•	•	5.3	•	•	•
Westminster (St. James' Pk.)	37	•	•	•	41	28	18	-	-	6.3	60	74	•
Regent's Pk. (Botanic Gdns.)	168	•	•	•	•	•	•	•	•	6.1	•	•	•
Camden Square	110	xb	b	•	41	24	•	-	-	•	•	84	•
Kensington Palace	20	b	bc	•	40	26	16	-	-	•	(At 18h.) 60	60	•
Hampstead Observatory	450	•	•	•	38	28	14	-	-	7.7	•	88	•

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 7h. G.M.T. 2nd

South Kensington Max.	Time.	Min.	Time.
1.6	9h 1st	0.3	4h 2nd

Kew Observatory Max.	Time.	Min.	Time.
1.9	12h 1st	0.3	1h 2nd

POLE STAR RECORD at Greenwich Obsy.

Exposure from 1st 18h 30m. to 2nd 5h 45m.

Stars.	Exposure.	Record.	
	h. m.	h. m.	%
Polaris	11.15	11.15	100
δ Ursae Minoris	11.15	11.15	100

CODE FOR STATE OF GROUND.

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 18h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7 = Snow (thin layer often not continuous).
8 = Snow (deep impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET.

2nd-3rd March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.41	12.5	17.31
	6.38	12.5	17.33
Greenwich	6.46	12.12	17.40
	6.44	12.12	17.41
Wick	7.9	12.25	17.42
	7.6	12.25	17.44
Valentia	7.27	12.33	18.20
	7.25	12.33	18.22

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.

< = { loss than (for cloud height). { before (for precipitation).
⊕ = solar halo. Ψ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—b/f = fair weather after rain; — = has decreased; + = has increased.

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.

§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

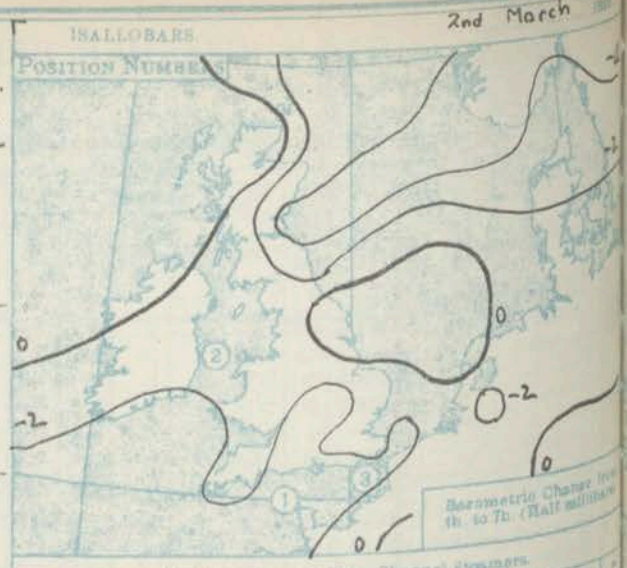
	Objects not visible at 55 yards.
0. Dense fog.	220 "
1. Thick fog.	550 "
2. Fog.	1,100 "
3. Moderate fog.	1¼ miles
4. Mist or haze.	2½ "
5. Poor visibility.	6½ "
6. Moderate.	13½ "
7. Good.	31 "
8. Very good.	9. Excellent visibility, beyond 31 "

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 1st	18h.-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.	began.	Night. 18h.-7h. mm.	began.	SUN. 1st Hours.
Lerwick	c	c	cor_0r_0	cor_0r_0m	42	41	•	-	-	10	22·00	0·0
Stornoway	oq	oq	cro	o	42	40	•	-	-	0·4	22.00	0·0
Wick	c	c	c	c	43	38	•	-	-	-	-	•
Tiree	cbc	cbc	bcb	bcpdc	44	39	35	-	-	0·4	3.30	1·3
Nairn	bcq	bccbc	bcqc	cq	44	41	•	-	-	-	-	0·3
Aberdeen	bccbcz₀	bccz₀q	cz_0	c	37	34	32	-	-	-	-	1.5
Malin Head	bcc	cbcc	cbc	bcc	45	35	•	-	-	-	-	2·7
Renfrew	cz_0	c	c	cz_0	38	35	32	-	-	-	-	0·0
Edinburgh (Inchkeith)	bcc	c	bcb	bcco	37	33	30	-	-	-	-	3·8
Leuchars	bcc	cbcc	cbc	bcc	37	32	29	-	-	-	-	1·9
Eskdalemuir	bcz_0xcz_0	$cbcz_0$	$bcbz_0$	bcm_0	34	26	22	-	-	-	-	4·6
Tynemouth	bcff	bcm_0	bcm_0	bc	39	29	25	-	-	-	-	•
Blacksod Point ...	cq	zqc	cqo	cbc	47	41	•	-	•	-	•	•
Donaghadee	cm_0	cbc	bc	bccbc	40	34	•	-	-	-	-	•
Birr Castle	c	c	c	cm_0	45	32	27	-	-	-	-	0·0
Holyhead	$bccz_0$	cbc	bz_0	$bbcz_0$	39	30	24	-	-	-	-	7·3
Liverpool (Bidston) ...	bbc	b-bc	bbcx	$bbcm_0$	38	26	22	-	-	-	-	7·6
Chester (Sealand) ...	bxm_0bcz_0	bcz_0y	$bcbm_0x$	bbcmx	40	23	16	-	-	-	-	8·9
Harrogate	bmb	bbm	bmm	bbcmf	38	24	19	-	-	-	-	7·8
Spurn Head	bc	bc	bcbb	bcx	38	28	•	-	-	-	-	9·5
Birmingham (Edgbaston)	b	bcb	b	bfx	39	23	12	-	-	-	-	9·2
Cranwell	bxbc	b	b	bbF	41	17	14	-	-	-	-	9·2
Gorleston	b	bcb	bx	bx	41	31	26	-	-	-	-	9·5
Valentia (Cahirciveen)	c	cbcc	cbc	bcb	46	40	36	-	-	-	-	0·2
Roches Point	c	c	cg	c	44	40	•	-	-	-	-	•
Pembroke (St. Ann's H.)	cbcq	bc	$bcbm_0$	bbcm	40	32	•	-	-	-	-	9·0
Ross-on-Wye	bmb	bycxb	bm	bmx	40	21	14	-	-	-	-	8·0
Leafield	bcb	b	b	bx	38	19	15	-	-	-	-	9·4
Winchester (Worthy Dn.)	bm_0xbyv	by	bbm_0	bm_0x	39	22	18	-	-	-	-	8·4
S. Farnborough ...	cbmxbcby	by	bz_0mx	bmx	41	16	9	-	-	Tr	-	8·1
London (Kew Obsy.) ...	bfxzy	bzy	bzfm	bm	39	24	11	Tr	-	Tr	-	4·5
Croydon	offb	bz_0y	bz_0x	bmx	40	20	10	-	-	-	-	7·4
Shoeburyness	bxbbc	bcb	bx	bx	41	25	21	-	-	-	-	9·8
Clacton-on-Sea ...	bc	bcb	b	b	40	30	27	-	-	-	-	9·4
Felixstowe	bz_0bc	bcbv	b	bx	39	27	23	Tr	-	-	-	9·7
Lympne	bxxy	byv	b	bm_0x	38	24	20	-	-	-	-	10·2
Scilly (St. Mary's) ...	c	cbc	bc	bc	42	37	•	-	-	-	-	1·7
Falmouth (Pendennis)	c	cbc	bcb	bbc	39	37	•	-	-	-	-	3·4
Plymouth (Cattewater)	cb	bcbv	bvx	$bxcm_0$	40	32	22	-	-	-	-	8·1
Portland Bill	bbc	bcb	bbc	cb	38	30	•	-	-	-	-	•
Southampton (Calshot)	bm_0by	byb	bbx	$bxbm_0x$	39	27	23	-	-	-	-	9·3
Dungeness	bbc	bc	b	b	39	29	•	-	-	-	-	•
Guernsey	bcbqyv	bbcq	bcb	bqx	37	33	•	-	-	-	-	9·8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
x	1st 10h	Hibernia	S	7	C	39	44

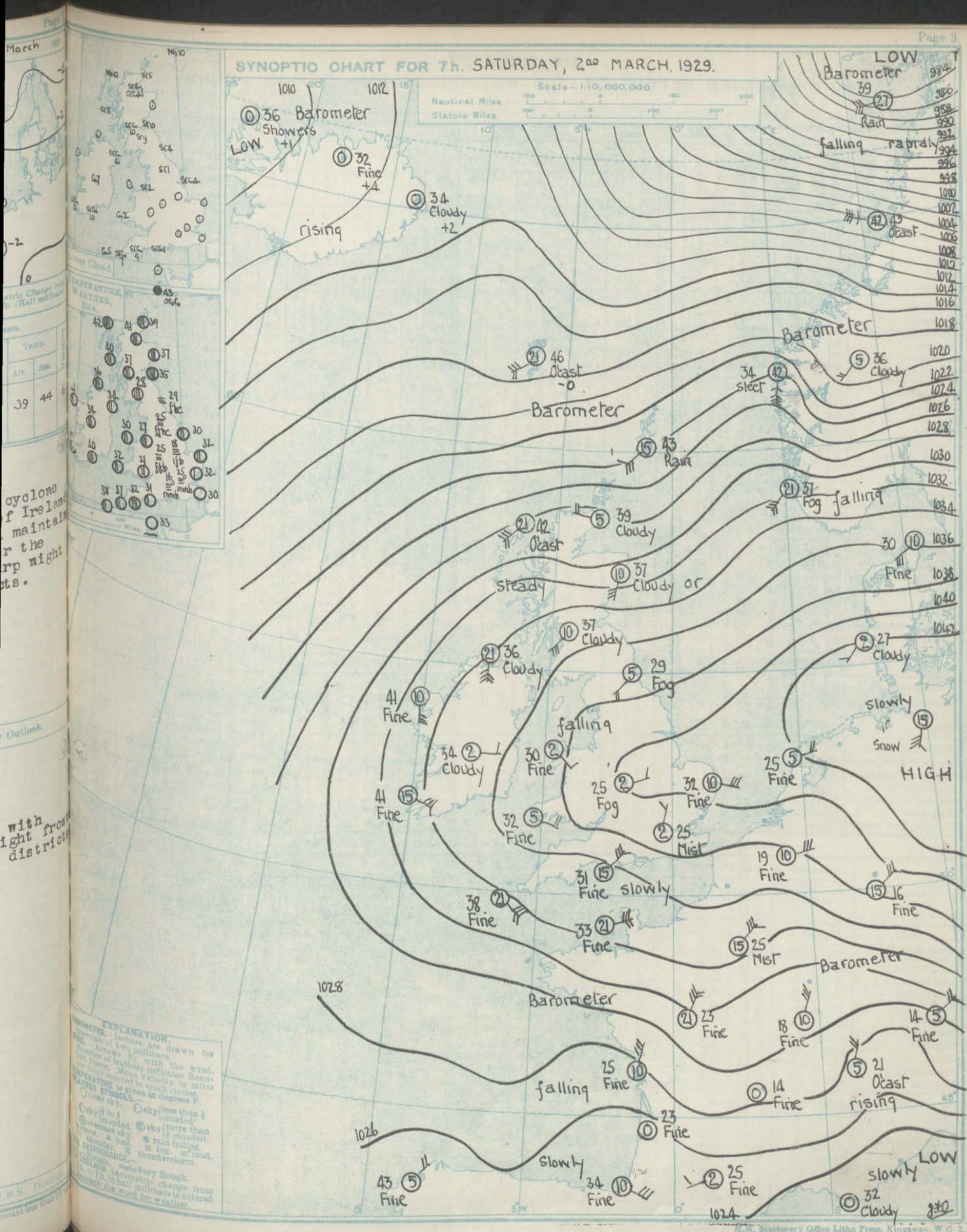
GENERAL INFERENCE.

An extensive anticyclone stretching from West of Ireland to Central Europe will maintain fair quiet weather over the British Isles with sharp night frosts in many districts.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Saturday, 2nd March, 1929.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light easterly or variable winds; fair; rather low day temperature; sharp frost at night with mist locally.	Fair with sharp night frosts in many districts.
5. S.W. England	Moderate or fresh easterly winds; fair; rather low day temperature; frost inland at night.	
6. South Wales 7. North Wales	As 1 - 4.	
8. N.W. England 9. N. Midlands	Light variable winds; fair; rather low day temperature; sharp frost at night with mist locally.	
10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Light southwesterly or variable winds; fair; rather low day temperature; frost at night with mist or fog locally.	
13. A. W. Scotland 13b. N.W. Scotland	Moderate southerly or southwesterly winds, fresh at times; fair; moderate day temperature, cold at night.	
14. Mid-Scotland	As 10 - 12.	
15. N.E. Scotland 16. Orkneys and Shetlands	Moderate southwesterly winds; cloudy, moderate day temperature; cold at night.	
17. N.W. Ireland	Moderate southerly winds, fresh at times; fair; rather low day temperature, frost at night inland.	WHP.
18. N.E. Ireland 19. S.E. Ireland	As 8 - 9.	
20. S.W. Ireland	As 17.	

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

† For code see page 1 † Trace = rain has fallen, but amount less than 0·1 mm.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Saturday, 2nd March 1929. No. 61

Stations.	Height above M.S.L. in feet.	Observations at 1h. G.M.T. 2nd: Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility‡ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun 0-9	Observations at 7h. G.M.T. 2nd: Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility‡ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form	Cloud. Total Amt. 0-10	Sun 0-9
Lerwick	54	1025.4	-1	SW	4	or,r,c	42	97	7	1500	Nb	10	-	10		1023.8	-2	SW	4	or,r,c	43	92	6	1500	Nb	10	-	10	*
Stornoway	30	1028.8	0	SW	7	c/r	*	*	6	*	*	*	*	10		1028.2	+1	SW	5	o	42	92	6	2500	Nb	10	-	10	4
Wick	81	1029.3	+1	SW	4	c	39	85	7	2500	St	5	A St	8		1029.2	0	WNW	2	c	39	92	7	2500	St	5	Ci Cu	9	0
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*		1032.6	0	S	4	c	40	92	8	800	St	8	-	8	4
Nairn	83	*	*	*	*	*	*	*	*	*	*	*	*	*		1029.9	*	WSW	3	c+	41	75	7	1500	St	8	-	8	*
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*		1030.1	-2	SSW	3	c	37	85	7	-	-	0	A St	10	0
Malin Head	81	1033.0	0	S	5	bc	39	85	7	5700	St Cu	3	-	3		1033.3	+1	S	5	c+	36	92	7	-	-	0	Ci St	8	3
Kenfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*		1035.8	0	SW	3	c	37	85	6	1500	St Cu	10	-	10	*
Edinburgh (Inchkeith)	100	1036.4	-2	SW	3	b	33	97	7	1500	St	2	-	2		1034.5	-2	SW	4	o	35	85	7	800	St	10	-	10	2
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*		1034.1	-4	WSW	4	c	35	85	6	2500	St	2	A St	9	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*		1037.8	-1	S'W	3	c	28	85	6	1500	St	9	-	9	*
Tynemouth	67	1039.1	-1	SW	2	bc	30	85	6	1500	St	3	-	3		1036.8	-2	SW	2	fbc	29	92	3	800	St	4	-	4	1
Blacksod Point ...	18	1032.2	0	S	4	c	44	75	6	*	-	0	A St	10		1032.5	0	S	3	bc	41	85	8	*	-	0	A Cu	4	2
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*		1035.8	-1	S	2	bc-	34	85	7	4000	St Cu	4	Ci Cu	6	2
Birr Castle	178	*	*	*	*	*	*	*	*	*	*	*	*	*		1034.2	*	E	1	c	34	92	6	1500	Cu	7	Ci Cu	9	*
Holyhead	30	1038.9	0	S'E	3	b	36	65	6	-	-	0	-	0		1037.5	-1	SE	1	bc	30	75	6	-	-	0	Ci	3	0
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*		1038.2	-1	ESE	3	bc	27	85	6	1500	St	2	Ci St	6	*
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*		1038.5	-1	SE	3	mmbc	23	92	4	-	-	0	Ci	5	
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*		1039.6	0	-	0	ffbc	25	85	3	1150	St	1	Ci St	7	*
Spurn Head	29	1041.3	0	SSW	2	b	32	92	6	-	-	0	-	0		1039.6	0	SW'S	3	bc+	30	92	6	5700	St Cu	4	Ci Cu	6	1
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*		1039.5	-1	ENE	1	ffb	25	92	3	-	-	0	Ci	2	*
Cranwell	236	1041.2	-2	-	0	b	24	97	7	-	-	0	-	0		1040.1	-1	-	0	ifb	18	97	2	-	-	0	Ci St	2	0
Gorleston	14	1042.0	0	SE	4	b	33	85	7	-	-	0	-	0		1040.9	0	ESE	3	bc	32	75	7	-	-	0	Ci Cu	3	0
Valentia (Cahirciveen)‡	30	1032.7	0	SE	4	bc	43	97	8	*	St	4	-	4		1032.1	-1	SE	4	b	41	75	8	4000	St Cu	2	-	2	1
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*		1034.5	-3	S	3	c	40	85	8	1500	St Cu	10	-	10	5
Pembroke (St. Ann's H.)	160	1037.3	0	E	2	b-	33	92	5	-	-	0	-	0		1036.6	-2	ESE	2	bc+	32	92	6	2500	Cu	2	Ci	5	3
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*		1038.3	-1	N'E	1	bc	21	92	5	-	-	0	Ci	3	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*		1038.7	-2	ENE	2	bc	22	92	6	-	-	0	Ci St	3	
Winchester (Worthy Dn.)	273	*	*	*	*	*	*	*	*	*	*	*	*	*		1037.5	-2	N	3	b	22	97	5	-	-	0	Ci	1	*
S. Farnborough ...	287	*	*	*	*	*	*	*	*	*	*	*	*	*		1038.5	-1	N'W	1	mmb	16	92	4	-	-	0	Ci	1	*
London (Kew Obsy.) ...	18	*	*	*	*	*	31	*	*	*	*	*	*	*		1038.6	-1	N'E	1	mmb	25	85	4	-	-	0	-	0	*
Croydon	244	1039.6	-2	E	2	b	25	92	6	-	-	0	-	0		1038.3	-1	ENE	1	mmb	20	97	4	-	-	0	Ci	2	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*		1039.3	-1	E'N	3	b	30	92	8	-	-	0	A St	1	2
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*		1038.7	-1	ENE	4	b	32	85	7	4000	Cu	2	-	2	3
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*		1039.5	-2	E	4	b	32	75	7	-	-	0	Ci	1	*
Lympne	350	1039.1	0	NE'E	3	b	29	65	7	-	-	0	-	0		1037.0	-1	NE'E	5	b	26	75	6	-	-	0	-	0	
Scilly (St. Mary's) ...	162	1034.5	-2	E'S	5	bc	39	75	8	4000	Cu	4	-	4		1032.5	-2	SE'E	5	bc	38	85	7	4000	Cu	5	-	5	1
Falmouth (Pendennis)	200	1036.4	-1	E	4	b-	38	65	7	4000	St Cu	2	-	2		1034.6	-1	E'S	3	bc+	37	75	7	4000	St Cu	7	-	7	0
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*		1035.9	0	E	4	c+	32	85	6	2500	St Cu	9	-	9	2
Portland Bill	52	1037.1	-1	ENE	4	c+	34	75	8	2500	St Cu	5	Ci St	9		1035.6	-2	NE	4	b	31	85	5	2500	St Cu	1	A Cu	2	0
Southampton (Calshot)	10	1038.5	-3	NE'N	3	b	31	85	7	-	-	0	-	0		1037.1	-2	NE'N	3	b	27	75	6	-	-	0	A Cu	1	3
Dungeness	20	1039.0	0	E	4	b	33	97	8	-	-	0	-	0		1036.9	-2	ENE	4	b	30	75	7	-	-	0	-	0	3
Guernsey (Fort George) ‡	205	1036.0	-2	ENE	4	bc-	35	75	7	4000	St Cu	4	-	4		1034.2	-2	ENE	5	b	33	85	7	-	-	0	-	0	

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 28th to 1st 9h. °F.	Temperature. Max. 9h.-17h. 1st °F.	Rainfall† Night 17h.-9h. 28th-1st mm.	Rainfall† Day 9h.-17h. 1st mm.	Sunshine. Sunrise to 17h. 1st hr.	Sunshine. Sunrise to Sunset 28th hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	bc	bc	19	36	-	-	5.3	8.9
Douglas (I. o. M.) ...	xcb	b	28	38	-	-	2.2	1.4
Llandudno ...	b	b	24	42	-	-	9.0	5.6
Colwyn Bay ...	b	b	24	43	-	-	9.1	5.7
Rhyl	b	b	21	41	-	-	9.0	9.2
Wallasey	b	bbc	24	40	-	-	8.2	7.8
Southport	bxbcx	bcx	*21	40	-	-	7.0	7.7
Blackpool	bcc	bcc	22	39	-	-	6.2	7.7
Ilkley	xb	bbc	13	42	-	-	4.2	4.9
Cleethorpes	b	b	21	41	-	-	9.2	2.3
Skegness	bx	b	25	39	Trace	-	8.2	3.1
Aberystwyth ...	cbbc	bbc	22	41	-	-	9.1	9.2
Bath	b	b	20	39	-	-	9.2	9.1
Cheltenham ...	b	b	22	40	-	-	8.0	8.6
Leamington Spa ...	b	b	16	40	-	-	6.8	7.1
Lowestoft	b	b	30	38	-	-	9.4	6.2
Harwich & Dovercourt	xbu	bu	26	39	Trace	-	9.4	4.8
Maldon	mxb	b	24	39	Trace	-	7.8	2.2
Southend	bu	bcb	27	39	Trace	-	9.5	3.5

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	zxb	b	22	42	-	-	8.8	9.2
Penzance	c	cb	34	42	-	-	3.0	6.1
Paignton	b	bcb	31	40	-	-	8.2	1.2
Torquay	by	by	32	40	-	-	8.7	1.4
Jersey	b	b	31	38	-	-	9.7	8.7
Weymouth	b	b	24	38	-	-	7.8	7.0
Bournemouth ...	b	b	23	39	-	-	9.0	9.0
Ventnor ...	xb	b	28	39	-	-	9.3	3.2
Portsmouth (S'thsea)	b	b	27	42	-	-	9.5	4.6
Bognor	b	b	27	41	Trace	-	10.0	3.5
Littlehampton ...	b	b	26	40	-	-	9.8	2.6
Worthing	b	b	26	41	-	-	9.8	1.6
Brighton	b	b	26	42	-	-	10.0	2.4
Eastbourne	b	b	26	40	-	-	10.1	3.3
Hastings	b	b	26	39	-	-	9.9	3.5
Folkestone	xb	b	27	39	-	-	9.4	3.7
Dover	yb	b	30	39	Trace	-	9.8	3.3
Tunbridge Wells ...	b	bcb	25	40	-	-	9.9	0.5
Ramsgate	b	b	31	39	-	-	9.7	3.6
Margate	b	b	30	38	Trace	-	9.4	3.5
Deal	b	b	30	40	-	-	9.4	2.0

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

* Information not usually received. ‡ The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. § For code see page 1. †‡ See footnote page 1.

† At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ‡ 17h.-9h.

No. 62

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24573 Sunday 3rd March 1929. Page 1.

Observations at 13h. G.M.T. 2nd

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity %.	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1023.8	-1	SW	4	cjp	45	92	7	1500	CuNb	6	ASt	10	•
Stornoway	1028.9	0	SW	4	o	45	92	6	2500	Nb	10	-	10	•
Wick	1029.3	0	W	2	c	46	85	8	1500	St	8	ASt	10	•
Tiree	1032.7	0	SSW	4	c	43	85	7	1500	StCu	10	-	10	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1030.7	0	-	0	bc-	43	85	5	-	-	0	CiSt	7	7
Malin Head	1033.5	0	S	3	c	43	85	7	5700	StCu	2	ACu	9	•
Renfrew	1034.6	-2	SW	4	c	43	75	7	2500	Cu	4	ACu	10	4
Edinburgh (Inchkeith)	1032.7	-2	SW	4	bc	40	75	6	1500	St	3	CiCu	5	•
Leuchars	1032.5	0	WSW	4	bc	43	75	6	5700	StCu	4	ACu	7	2
Eskdalemuir	1035.6	-2	SW	4	bc	35	75	6	4000	StCu	4	ACu	7	3
Tynemouth	1034.9	-3	SW	1	fbc-	38	65	3	800	St	4	ACu	6	•
Blacksod Point	1032.5	0	SE	3	bc	46	65	8	-	-	0	ACu	5	•
Donaghadee	1034.1	-2	SW	2	bc	43	65	7	4000	StCu	4	ACu	6	•
Birr Castle	1033.5	•	S	2	bc-	36	85	7	?	-	0	Ci	3	•
Holyhead	1035.6	-3	SW'W	1	bc	43	45	7	-	-	0	CiCu	6	1
Liverpool (Bidston)	1035.7	-2	SE'S	3	bc-	38	55	8	4000	StCu	1	CiCu	3	•
Chester (Sealand)	1036.0	-3	SSE	3	bc	41	55	6	-	-	0	Ci	4	3
Harrogate	1036.3	-2	-	0	ffc	37	92	3	<150	St	6	CiSt	9	•
Spurn Head	1037.0	-2	S'W	3	bc	36	85	7	-	-	0	CiSt	5	•
Birmingham (Edgbaston)	1036.5	-3	ESE	2	b	36	55	5	-	-	0	Ci	2	4
Cranwell	1036.8	-4	S	2	bc	39	55	7	-	-	0	Ci	7	1
Gorleston	1037.6	-3	SE	2	bc+	36	85	6	-	-	0	CiCu	6	•
Valentia (Cahirciveen)	1031.8	-2	SE'S	3	b	50	55	8	4000	Cu	1	CiCu	2	0
Roches Point	1034.1	-2	S	3	c	44	75	8	2500	StCu	9	-	9	•
Pembroke (St. Ann's H.)	1034.7	-2	SE'E	3	bc	39	65	7	2500	Cu	2	CiSt	5	•
Ross-on-Wye	1035.4	-3	E	2	bc	37	55	6	-	-	0	Ci	5	2
Leafield	1035.8	-4	E'N	3	bc⊕	36	55	7	-	-	0	CiSt	7	6
Winchester (Worthy Dn.)	1034.8	-4	NNE	2	mb	40	65	4	-	-	0	CiSt	2	1
S. Farnborough	1035.4	-3	NE	2	mmb	39	55	4	4000	Cu	1	-	1	4
London (Kew Obsy.)	1035.7	-3	E	3	mmb	39	55	4	-	-	0	Ci	1	6
Croydon	1035.8	-2	ENE	3	bc	38	65	6	-	-	0	Ci	3	1
Shoeburyness	1036.4	-2	ENE	4	bc	37	75	7	-	-	0	Ci	4	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1036.8	-3	E	3	bc	36	65	7	-	-	0	Ci	7	0
Lympne	1034.6	-3	NE	5	b-	37	55	7	-	-	0	Ci	2	1
Scilly (St. Mary's)	1032.1	0	E'S	5	bc	42	85	7	4000	Cu	7	-	7	•
Falmouth (Pendennis)	1033.1	-2	E	4	bc-	38	75	7	4000	Cu	5	Ci	7	•
Plymouth (Cattewater)	1033.5	-3	E	4	b-	39	65	8	-	-	0	Ci	1	1
Portland Bill	1034.2	-2	NE	4	bc+	37	75	6	2500	StCu	4	Ci	6	•
Southampton (Calshot)	1035.3	-2	E	2	b	41	55	6	-	-	0	Ci	2	4
Dungeness	1035.1	-2	ENE	4	bc	36	85	8	-	-	0	CiCu	4	•
Guernsey (Fort George)	1031.4	-4	E	5	b+	40	55	7	-	-	0	Ci	2	•

Observations at 18h. G.M.T. 2nd

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity %.	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1023.6	-1	SW	3	cjp	46	97	7	1500	CuNb	6	ASt	10	•
Stornoway	1029.8	+2	WSW	2	o	45	92	6	2500	Nb	10	-	10	1
Wick	1028.9	-1	W	2	c	44	97	8	1500	St	8	ASt	10	0
Tiree	1032.6	0	SSW	4	c	42	85	7	1500	StCu	10	-	10	4
Nairn	1030.7	•	WNW	2	c/r	40	85	7	1500	CuNb	8	-	8	•
Aberdeen	1031.0	0	NW	1	fc+	40	75	3	-	-	0	ASt	8	0
Malin Head	1033.4	+1	E	1	c	42	85	7	5700	StCu	9	-	9	1
Renfrew	1033.6	-1	WSW	2	c	40	85	5	5700	Cu	2	ASt	10	•
Edinburgh (Inchkeith)	1031.9	0	SW	4	c	39	85	6	1500	St	10	-	10	1
Leuchars	1031.5	-1	WSW	4	cr₀	38	92	6	2500	St	4	ASt	10	•
Eskdalemuir	1033.9	-1	S'W	3	c	34	75	5	4000	St	5	ACu	9	•
Tynemouth	1032.8	-2	W	2	fbc-	38	75	3	1500	CuNb	7	-	7	1
Blacksod Point	1031.4	0	-	0	b	45	75	8	•	-	0	-	0	2
Donaghadee	1033.3	-1	SSW	1	c-	39	75	7	4000	StCu	5	ASt	8	1
Birr Castle	1032.2	•	S	2 1	c	44	75	7	-	-	0	ASt	5 ~~10~~	•
Holyhead	1034.0	-1	NNW	1	c	38	75	6	-	-	0	ACu	9	0
Liverpool (Bidston)	1033.8	-1	SE	2	c+	37	55	5	5700	StCu	2	ACu	8	•
Chester (Sealand)	1034.1	-1	SSE	2	bc	34	75	5	-	-	0	ACu	7	•
Harrogate	1034.3	-1	S	2	ffc	36	65	3	<150	St	6	CiSt	9	•
Spurn Head	1034.7	-2	S'W	2	bc	33	85	7	5700	StCu	4	CiCu	6	0
Birmingham (Edgbaston)	1034.6	-1	E	1	mmbc	37	65	4	-	-	0	Ci	5	•
Cranwell	1034.9	-1	E'N	1	bc-	34	75	7	-	-	0	CiCu	6	•
Gorleston	1035.3	-1	NE'E	1	bc	32	75	6	-	-	0	Ci	4	0
Valentia (Cahirciveen)	1030.6	0	SE'S	3	b	45	65	8	-	-	0	CiCu	1	0
Roches Point	1032.5	-2	S'E	3	b	42	85	8	2500	StCu	2	-	2	1
Pembroke (St. Ann's H.)	1032.7	-2	ENE	1	bc	37	75	6	2500	StCu	2	ACu	4	1
Ross-on-Wye	1033.4	-2	E'N	2	bc	36	65	6	-	-	0	Ci	3	•
Leafield	1034.2	-1	ENE	2	b	34	65	6	-	-	0	Ci	1	•
Winchester (Worthy Dn.)	1033.4	0	N'E	1	mmb	34	75	4	-	-	0	-	0	
S. Farnborough	1033.4	-1	NE	2	fb+	35	55	3	x	StCu	0x	CiSt	1	•
London (Kew Obsy.)	1034.3	0	NE	2	ffb	35	55	2	-	-	0	-	0	•
Croydon	1034.1	0	ENE	2	mmb	33	65	4	-	-	0	Ci	2	•
Shoeburyness	1034.4	0	NNE	1	b	27	85	7	-	-	0	-	0	•
Clacton-on-Sea	1034.6	-1	NE	4	bc	33	65	7	-	-	0	CiSt	5	3
Felixstowe	1035.5	+2	NE	1	bc	30	65	5	-	-	0	Ci	4	1
Lympne	1033.5	0	NNE	3	b	30	65	7	-	-	0	Ci	1	•
Scilly (St. Mary's)	1030.2	-2	E'S	4	bc	40	75	7	4000	Cu	3	-	3	5
Falmouth (Pendennis)	1031.3	-2	ESE	3	bc+	40	65	7	4000	StCu	3	-	3	1
Plymouth (Cattewater)	1031.8	-1	ENE	3	b	39	55	8	-	-	0	Ci	1	0
Portland Bill	1031.4	-2	ENE	4	b	40	65	5	1500	St	1	-	1	4
Southampton (Calshot)	1033.2	-1	NE	3	b	37	75	5	-	-	0	-	0	0
Dungeness	1032.9	-2	NE	4	bc-	35	97	8	-	-	0	CiSt	3	4
Guernsey (Fort George)	1030.2	-1	ENE	6	b-	40	55	7	-	-	0	-	0	6

LONDON OBSERVATIONS. Day 7h-18h., Kew & Croydon. 9h-18h., Kensington. 9h-21h., other stations.

Station	Heights above M.S.L. in feet	Weather Morning (24 hours ended 9h.)	Afternoon	Night	Temperature Max. Day °F.	Min. Night °F	Min. on Grass °F.	Rainfall mm. Day	Night	Sunshine to Sunset hrs.	Humidity 13h. G.M.T. % Yesterday	9h. G.M.T. % To-day	Visibility 9h.
Kew	18	bnbxy	bxbfy	bfx	39	24	12	-	Tr.	5.9	•	•	
Croydon	244	bmbc	bxbx	bxmfx	39	21	14	-	-	7.3	•	•	4
Greenwich (Royal Obsy.)	149	b	bybxbmb	bxbxfb	44	21	10	-	-	8.9	44	92	3
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	5.1	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	41	26	17	-	-	8.2	59	84	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	5.7	•	•	•
Camden Square	110			•	41	25	-	-	-	•	•	87	•
Kensington Palace	80	bxbm	bc	•	41	25	13	-	-	•	(At 18h ......)	97	•
Hampstead Observatory	450	•	•	•	39	35	11	Tr	Tr	8.2	•	85	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 3rd

South Kensington			
Max.	Time.	Min.	Time.
1.6	19h.2nd	0.3	5h.3rd
Kew Observatory			
Max.	Time.	Min.	Time.
1.0	21h.3rd	0.3	15h.2nd

POLE STAR RECORD at Greenwich Obsy.

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

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10 45	10 15	95
δ Ursae Minoris	10 45	~~10 15~~ 9 41	90

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET. 2nd–4th March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.38 6.36	12.6 12.6	17.36 17.35
Greenwich	6.44 6.42	12.12 12.12	17.41 17.43
Wick	7.6 7.3	12.35 12.24	17.44 17.46
Valentia	7.25 7.23	12.53 12.53	18.22 18.24

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense: suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕= solar halo. ♉ = lunar halo.
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; − = has decreased; + = has increased.

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

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

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

§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m	

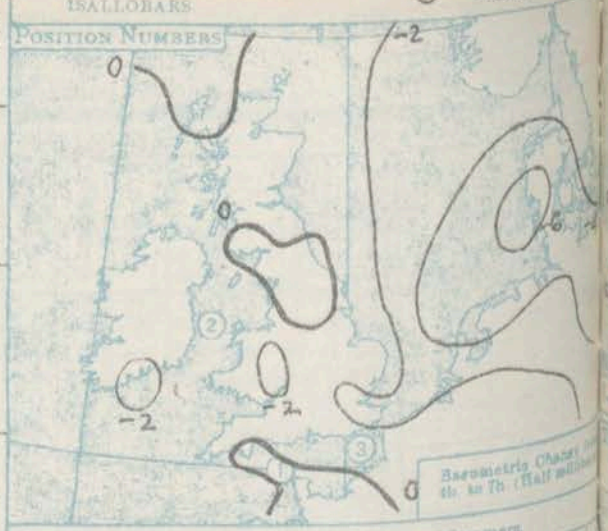
† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-18h. 2nd	18h.-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.	began.	Night. 18h.-7h. mm.	began.	Sun 2nd Hours.
Lerwick	or₀r₀mc	cold₀	bc	bcc	47	44	•	3	<8.00	-	-	0.0
Stornoway	o	bpr₀o	c	bbcc	46	37	•	0.1	13.30	-	-	0.0
Wick	c	cr₀rc	c	c	46	42	•	0.4	15.30	-	-	•
Tiree	co	o	bc	bcm₀	44	35	25	-	-	-	-	0.0
Nairn	cq bc	cr	cbcx	bc	46	37	•	1	15.30	-	-	0.0
Aberdeen	cfzcbcz	bccz₀cf	cfzz₀	cbc	48	38	31	-	-	-	-	1.1
Malin Head	c	c	cbcbbcx	bc	45	35	•	-	-	-	-	2.2
Renfrew	cz₀	cz₀	or₀r₀b	bffx	44	28	23	-	-	0.3	21.00	1.7
Edinburgh (Inchkeith)	obc	bcc	cbcr₀m₀m₀	cmmbc	41	34	32	-	-	0.2	21.00	0.8
Leuchars	ccbc	bccc, r₀	r₀bbc	bcc	43	34	31	Tr	17.30	Tr.	21.00	1.1
Eskdalemuir	cm₀bcz₀	cz₀	obcz₀	bcx	37	24	21	-	-	-	-	0.4
Tynemouth	bcff	bcff	cbffbc	bcc	40	34	30	-	-	-	-	•
Blacksod Point ...	bc	bcb	b	bbc	48	31 6	•	-	•	-	•	•
Donaghadee	bc	bcc	bc	cffbc	44	36	•	-	-	-	-	•
Birr Castle	cbc	bc	*	*	49	30	25	-	-	-	-	7.5
Holyhead	bcbbczy	bccy	cz₀m₀w	cm₀	44	36	31	-	-	Tr.	-	8.0
Liverpool (Bidston) ...	bcbby	bcczy	cff	cffm	40	32	24	-	-	-	-	5.7
Chester (Sealand) ...	bcmxz₀	bczₒy	bcz₀x	cmf	43	28	20	-	-	-	-	5.8
Harrogate	becff	cff	bfb	b	39	31	23	-	-	-	-	2.0
Spurn Head	bc	bc	bccx	czx	37	30	•	-	-	-	-	7.5
Birmingham (Edgbaston)	mb	b	bcbm	bmc	40	30	19	-	-	-	-	5.7
Cranwell	c	bcc bc	bcc	ccm	40	26	23	-	-	-	-	6.1
Gorleston	bcxbc	bc	bcx	bcxm₀	36	28	24	-	-	-	-	7.5
Valentia (Cahirciveen)	by	by	b	bbcc	50	32	27	-	-	-	-	9.4
Roches Point	c	cbcb	b	bbcc	46	35	•	-	-	-	-	•
Pembroke (St. Ann's H.)	bc	bcm₀	bm₀	bbccm₀	40	32	•	-	-	-	-	9.1
Ross-on-Wye	bbc	bcybybc	bmbfbm	bmcmx	39	24	18	-	-	-	-	9.0
Leafield	bc	bcb	bx	bcc	39	26	14	-	-	-	-	9.8
Winchester (Worthy Dn.)	bm₀x	bzzy	bzx	bmxbc	41	22	15	-	-	-	-	6.2
S. Farnborough ...	bxmzy	bcbzy	bfx	bfx	42	17	11	-	-	Tr.	-	7.3
London (Kew Obsy.) ...	bxbzy	bzbfy	bfx	bfx	39	24	12	-	-	Tr.	-	5.8
Croydon	bmxbc	bcbz	bzm₀	bmfx	39	21	14	-	-	-	-	7.3
Shoeburyness	b	b	b	bbcx	39	22	17	-	-	-	-	9.9
Clacton-on-Sea ...	bbc	bc	bc	bc	36	27	24	-	-	-	-	9.54
Felixstowe	bc	bcyz₀	bm₀bx	cxm₀	37	25	14	-	-	-	9.8	(8.8)
Lympne	bcm₀by	byb	bx	bbfx	37	23	15	-	-	-	-	10.3
Scilly (St. Mary's) ...	bc	bc	bcb	b	43	39	•	-	-	-	-	7.9
Falmouth (Pendennis)	bccbc	bcb	bc	bcc	41	39	•	-	-	-	-	5.0
Plymouth (Cattewater)	cm₀b	bc by	bx	bm₀bcx	42	32	22	-	-	-	-	7.4
Portland Bill	bbc	bcbm₀	bm₀	bbx₀	40	30	•	-	-	-	-	•
Southampton (Calshot)	bm₀zy	bm₀	bm₀b	bbcm₀x	42	26	15	-	-	-	-	9.3
Dungeness	bbc	bc	bcb	bbc	37	24	•	-	-	-	-	•
Guernsey	bq₀y	bq₀y	bq	bxx₀	41	35	•	-	-	-	-	10.9

3rd March



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	2nd 10h	HIBERNIA	SSW	4	c	41	46
1	" "	ST. JULIEN	E	6	bc	40	46
3	3rd 2h.	BRIGHTON	NE	3	bc	36	44

GENERAL INFERENCE.

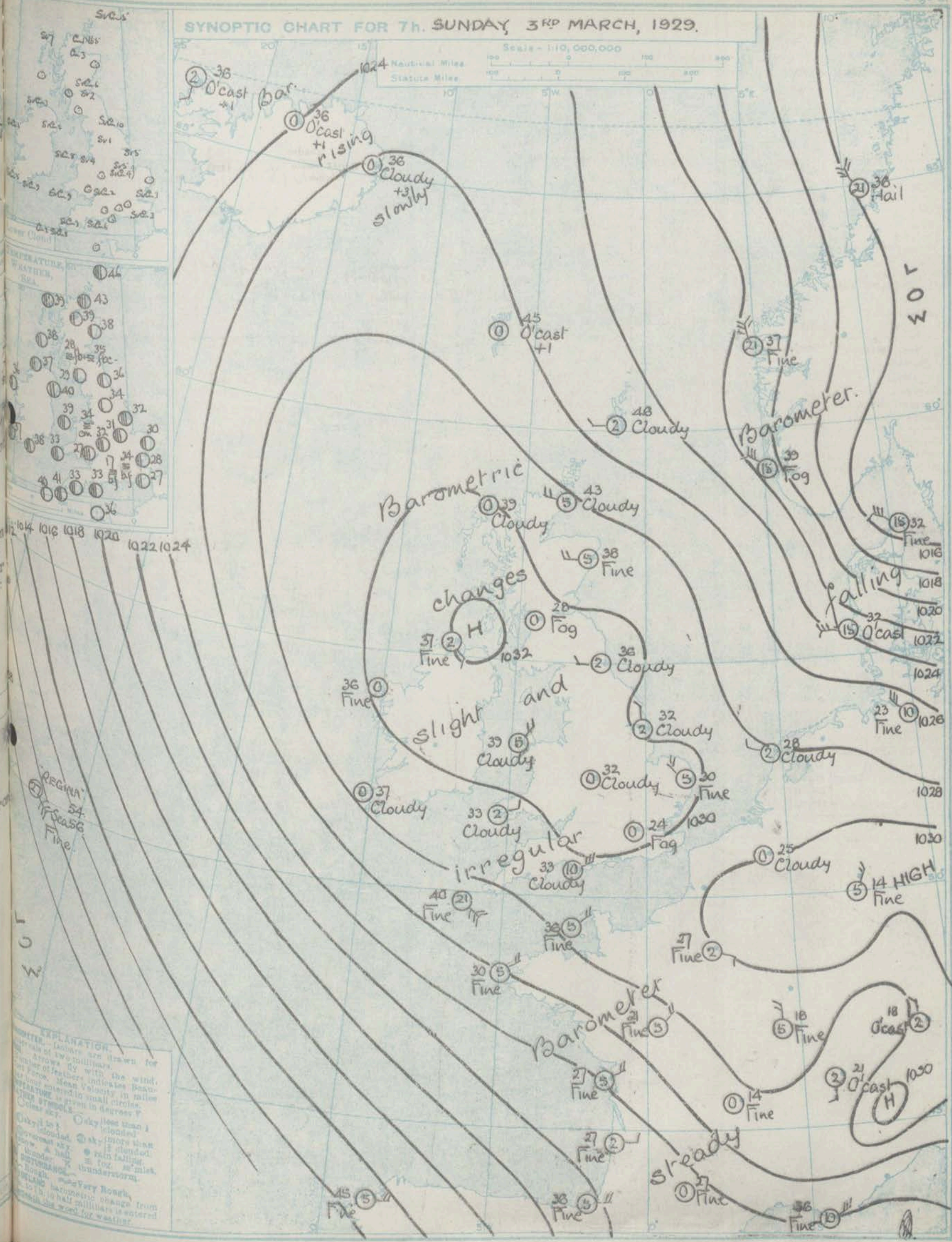
Pressure is high from Iceland across the British Isles to Central Europe and low from Greenland to the Azores. In the rear of a deep depression over Finland pressure is rising again over Scandinavia. Weather will continue mainly fair with rather low to moderate day temperature: frost will occur at night with some mist and local fog.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Sunday, 3rd March, 1929.	Farther Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light variable winds, fair, rather low day temperature, sharp night frost, some mist or local fog.	Mainly fair cold weather continuing with winds from an easterly direction.
5. S.W. England 6. South Wales	Southeasterly winds, light to moderate, fair, rather low or moderate day temperature, frost at night.	
7. North Wales 8. N.W. England 9. N. Midlands	As 1 - 4.	
10. N.E. England 11. S.E. Scotland	Light northerly or variable winds, fair, rather low day temperature, frost at night, some mist or local fog.	
12. S.W. Scotland & Isle of Man 13 {A. W. Scotland, B. N.W. Scotland}	Light S.E. or variable winds, fair, rather low or moderate day temperature, night frost, some mist or local fog.	
14. Mid-Scotland	As 10 - 11.	
15. N.E. Scotland 16. Orkneys and Shetlands	Light northerly or variable winds, fair rather low or moderate day temperature, frost at night, some mist or local fog.	
17. N.W. Ireland 18. N.E. Ireland	As 12 - 13B.	
19. S.E. Ireland 20. S.W. Ireland	As 5.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 11.50 a.m. G. C. SIMPSON, F.R.S., Dir.

† For code see page 1

† Trace = rain has fallen, but amount less than ·01 mm.


SYNOPTIC CHART FOR 7h. SUNDAY, 3RD MARCH, 1929.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Barometric changes slight and irregular
Barometer falling
Barometer steady
LOW
HIGH
REGINA
Hail
Fine
Fog
Cloudy
O'cast
1014
1016
1018
1020
1022
1024
1026
1028
1030
1032

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION.....Sunday, 3rd March.....1929. No. 62.

Stations	Height above M.S.L. in feet	Observations at 1h. G.M.T. 3rd: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-6	Observations at 7h. G.M.T. 3rd: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form	Cloud. Total Amt. 0-10	Sun. 0-6
Lerwick	84	1024·5	0	W'S	2	bc	46	92	8	1300	St.Cu	3	A.Cu.	6		1022·2	-1	W'S	1	c	46	92	8	1500	St.Cu.	5	A.St.	9	0
Stornoway	30	1030·9	0	SW	1	b-	•	•	8	•	•	•	•	2		1030·5	0	-	0	c	39	97	7	2500	St.	7	A.Cu.	9	0
Wick	81	1028·9	0	WNW	2	c	46	92	8	1500	St.	6	A.St.	10		1028·4	-1	WNW	2	c	43	85	8	1500	Cu.Nb	5	Ci.St.	8	1
Tiree	32	•	•	•	•	•	•	•	•	•	•	•	•	•		1031·1	0	SW	1	bc	38	92	7	-	-	0	A.Cu.	4	0
Nairn	83	•	•	•	•	•	•	•	•	•	•	•	•	•		1029·0	•	W	2	bc	39	85	8	2500	Cu.	3	A.Cu.	5	0
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•		1029·3	-1	W	2	bc	38	92	8	-	-	0	Ci.	4	0
Malin Head	51	1031·1	-1	S	1	bc+	41	92	6	5700	St.Cu.	4	-	4		1031·0	-1	SE	1	bc	37	97	7	5700	St.Cu.	3	A.Cu.	6	0
Renfrew	59	•	•	•	•	•	•	•	•	•	•	•	•	•		1031·6	-1	-	0	fb+	28	97	2	-	-	0	Ci.	2	0
Edinburgh (Inchkeith)	190	1031·1	-1	WSW	3	bc	37	85	6	800	St.	3	-	3		1030·6	-1	W	2	mnbc	35	92	4	800	St.	2	A.Cu.	4	0
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•		1029·7	-1	WSW	2	c	35	92	7	4000	St.Cu.	6	Ci.	8	0
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•		1031·5	0	NNW	1	bc	29	97	7	-	-	0	A.Cu.	7	0
Tynemouth	67	1030·5	-2	W	2	bc	36	75	7	800	St.	4	-	4		1030·5	0	W	1	c	36	85	6	4000	St.Cu.	10	-	10	0
Blacksod Point ...	18	1031·7	0	-	0	b	37	85	7	•	-	0	-	0		1030·1	0	-	0	bc	36	85	7	•	St.Cu.	5	-	5	2
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•		1030·2	-1	NNE	1	bc-	40	85	7	4000	St.Cu.	2	Ci.Cu.	5	1
Birr Castle	178	•	•	•	•	•	•	•	•	•	•	•	•	•		1030·0	•	SE.	1	bc.	30	*	6	*	*	*	*	5	•
Holyhead	28	1031·8	-3	-	0	c	37	85	6	4000	St.	4	A.St.	8		1030·2	-1	NE'N	2	c	39	75	6	7200	St.Cu.	8	A.Cu.	9	2
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•		1031·7	-1	-	0	fc-	34	75	4	800	St.	4	A.Cu.	8	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•		1030·6	-2	-	0	ffc	32	92	3	4000	St.Cu.	6	A.St.	10	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•		1030·8	0	WSW	1	b	34	85	5	2500	St.	1	-	1	0
Spurn Head	29	1031·8	-2	WSW	2	c+	32	85	6	-	-	0	AST	10		1029·8	0	N	1	c	32	92	5	2500	St.	5	A.St.	10	•
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•		1030·8	-1	-	0	c+	32	75	5	-	-	0	A.St.	9	•
Cranwell	336	1032·5	-2	WSW	2	c+	30	92	6	4000	St.Cu.	6	A.St.	9		1030·9	-1	W'N	3	mnc	31	85	4	800	St.	9	-	9	0
Gorleston	14	1032·6	-2	W'N	1	bc	30	92	6	5700	St.Cu.	4	-	4		1030·6	-1	NW'W	2	bc	30	92	5	-	-	0	Ci.Cu.	5	1
Valentia (Cahirciveen) P	30	1029·6	-4	SSE	2	b	38	85	9	-	-	0	-	0		1028·1	-1	-	0	c	37	85	8	4000	St.Cu.	5	A.Cu.	8	1
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•		1029·1	-3	S'E	3	c	38	92	8	2500	St.Cu.	9	-	9	1
Pembroke (St. Ann's H.)	150	1031·8	-2	ENE	1	b-	33	75	5	-	-	0	-	0		1029·5	-1	ENE	1	c+	33	85	6	2500	St.Cu.	9	-	9	•
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•		1030·5	-2	-	0	c	27	92	5	-	-	0	A.St.	9	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•		1030·2	-1	-	0	c	26	85	6	5700	St.Cu.	2	Ci.St.	9	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•		1030·9	-1	NE	1	mnbc	22	92	4	-	-	0	A.Cu.	3	•
S. Farnborough ...	267	•	•	•	•	•	•	•	•	•	•	•	•	•		1030·7	-1	-	0	ffb	17	97	3	-	-	0	Ci.St.	2	•
London (Kew Obsy.) ...	18	•	•	•	•	•	27	•	•	•	•	•	•	•		1030·6	-1	-	0	ffb	24	85	2	-	-	0	Ci.	2	•
Croydon	244	1032·7	-2	-	0	b-	24	92	5	-	-	0	-	0		1030·8	-2	-	0	ffb	23	92	3	-	-	0	Ci.	2	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•		1030·4	-1	WNW	1	bc	25	92	5	-	-	0	Ci.St.	5	•
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•		1030·2	-1	N	3	bc	28	85	7	4000	St.Cu.	3	A.St.	6	2
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•		1030·2	-3	N	1	c	27	92	5	-	-	0	Ci.	8	0
Lympne	350	1031·7	-2	NE'E	3	b	26	92	7	-	-	0	-	0		1030·4	-1	N	3	fb	25	92	1	-	-	0	A.Cu.	1	•
Scilly (St. Mary's) ...	163	1027·9	-2	E'S	5	b	41	85	7	-	-	0	-	0		1026·8	-1	SE'E	5	b	40	85	7	4000	Cu.	2	-	2	5
Falmouth (Pendennis)	200	1030·0	-1	E	3	bc	40	75	7	4000	St.Cu.	3	-	3		1028·5	-2	E'S	3	c+	41	85	7	4000	St.Cu.	8	-	8	1
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•		1029·6	0	-	0	bc	33	75	6	4000	St.Cu.	3	-	3	0
Portland Bill	33	1030·4	-1	NE	4	b	34	65	5	-	-	0	-	0		1029·4	0	ENE	3	c+	33	75	6	2500	St.Cu.	6	Ci.Cu.	9	2
Southampton (Calshot)	10	1032·4	-2	NNE	1	b	29	65	7	-	-	0	-	0		1030·6	-2	N	2	bc	28	85	6	-	-	0	A.Cu.	5	0
Dungeness	20	1031·7	-2	ENE	2	b-	33	97	7	-	-	0	-	0		1028·9	-1	N	2	bc+	27	97	6	2500	St.Cu.	3	Ci.Cu.	6	2
Guernsey (Fort George) P	206	1029·2	-1	E	3	b-	37	75	6	-	-	0	-	0		1028·6	-1	E	2	b	36	65	6	-	-	0	-	0	4

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

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.-1st to 17h. 2nd 9h. 2nd °F.	Temperature. Max. 9h.-17h. 2nd °F.	Rainfall† Night 17h.-9h. 1st-2nd mm.	Rainfall† Day 9h.-17h. 2nd mm.	Sunshine. Sunrise to 17h. 2nd hr.	Sunshine. Sunrise to Sunset. 1st hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	cbc	bcc	28	41	-	-	2·3	5·3
Douglas (I. o. M.) ...	cbc	bc	34	42	-	-	3·6	0·2
Llandudno ...	b	bbcc	29	43	-	-	7·0	9·2
Colwyn Bay ...	b	bbcc	28	41	-	-	7·1	9·1
Rhyl	b	b	26	44	-	-	6·7	9·0
Wallasey	bbc	bcc	28	41	-	-	5·5	8·2
Southport	xbz	bcocm	* 25	44	-	-	5·4	7·0
Blackpool	cbc	bcc	26	43	-	-	5·6	6·2
Ilkley	bcc	ccm	17	41	-	-	2·6	4·2
Cleethorpes	cb	bc	21	39	-	-	4·2	9·2
Skegness	bxb	bbc	26	40	-	-	7·4	8·2
Aberystwyth	zbbc	bbc	25	43	-	-	9·4	9·1
Bath	b-bc	b-bc	24	41	-	-	8·5	9·2
Cheltenham	bmx	b	24	42	-	-	9·1	8·0
Leamington Spa ...	b	b	20	40	-	-	6·3	6·8
Lowestoft	bc	bc	30	37	-	-	6·8	9·4
Harwich & Dovercourt	bc	bc	27	37	-	-	9·9	9·8
Maldon	b	b	24	36	-	-	8·4	7·8
Southend	b	b	28	37	-	-	9·6	9·5

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	xzb	b	23	43	-	-	8·9	9·0
Penzance	b	b	35	43	-	-	6·8	3·0
Paignton	cmb	bz	31	41	-	-	8·0	8·5
Torquay	bm	bbz	31	43	-	-	8·8	8·9
Jersey	b	b	29	43	-	-	9·7	10·2
Weymouth	b	b	28	43	-	-	9·3	8·0
Bournemouth ...	b	b	22	44	-	-	8·8	9·2
Ventnor ...	xbz	bz	29	41	-	-	9·9	9·3
Portsmouth (S'thsea)	b	b	26	45	-	-	9·5	9·5
Bognor	b	b	26	45	-	-	10·0	10·0
Littlehampton ...	b	b	24	45	-	-	9·8	10·1
Worthing	b	b	25	45	-	-	9·5	9·9
Brighton	b	b	26	45	-	-	9·8	10·0
Eastbourne	b	b	25	40	-	-	9·8	10·2
Hastings	b	b	25	41	-	-	10·0	9·9
Folkestone	b	b	27	38	-	-	9·1	9·4
Dover	b	b	29	37	-	-	9·7	9·8
Tunbridge Wells ...	b	b	22	42	-	-	10·0	9·9
Ramsgate	b	b	30	35	-	-	9·6	9·7
Margate	b	b	30	36	-	-	9·8	9·4
Deal	b	b	29	36	-	-	9·3	9·4

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* Information not usually received. P The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. ‡ For code see page 1. †‡ See footnote page 1.

† At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ✠ 17h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.24574 Monday 4th March 1929. Page 1.

Observations at 15h. G.M.T. 3rd

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1028.9	+1	N	3	bc	46	92	8	1500	Cu	7	-	7	·
Stornoway	1030.3	0	NW	2	bc-	51	75	8	4000	Cu	5	ACu	7	·
Wick	1028.0	0	WNW	3	c	43	85	8	2500	CuNb	4	ACu	8	·
Tiree	1031.3	0	N	4	c+	45	85	7	800	StCu	10	-	10	0
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen	1028.4	-2	NW	4	bc+	47	75	8	2500	Cu	4	ACu	7	2
Malin Head	1031.1	-1	NE	2	b	45	92	6	5700	StCu	1	~~CiSt~~ Cu	2	·
Renfrew	1029.1	-3	W	1	c+	47	75	5	5700	StCu	8		8	1
Edinburgh (Inchkeith)	1028.4	-3	WSW	2	mmb (f)	43	75	4	800	St	3	ACu	8	·
Leuchars	1029.9	-3	WSW	2	bc	51	65	7	-	-	0	ACu	7	2
Eskdalemuir	1028.6	-3	W	2	c+	51	65	8	-	-	0	ACu	9	3
Tynemouth	1028.6	-1	NW	2	c/f	48	75	6	4000	StCu	10	-	10	·
Blacksod Point	1029.8	-1	-	0	b	49	55	7	·	-	0	ACu	1	·
Donaghadee	1029.4	-1	NE'N	1	bc-	46	75	7	5700	StCu	2	CiSt	4	·
Birr Castle	1023.9	·	S	2	bc	43	75	7	2600	Cu	3	-	3	·
Holyhead	1029.1	-2	N'E	3	b	45	65	6	-	-	0	Ci	2	1
Liverpool (Bidston)	1029.2	-1	NW	1	bc-	41	55	5	1500	St	3	CiSt	7	·
Chester (Sealand)	1029.2	-2	-	0	fo-	48	45	4	4000	StCu	4	ASt	10	3
Harrogate	1028.2	-1	NW (E)	1	bc+	49	55	7	-	-	0	ACu	7	·
Spurn Head	1028.2	-1	NNW (E)	4	c	42	85	5	5700	StCu	9	-	9	·
Birmingham (Edgbaston)	1028.4	-3	NNW	1	ffb	44	45	3	-	-	0	-	0	4
Cranwell	1029.1	-2	N	2	b	46	65	4	4000	StCu	2	-	2	1
Gorleston	1027.7	-3	NW	2	bc	42	75	6	2500	St	3	Ci~~St~~ Cu	5	·
Valentia (Cahirciveen)	1027.1	-2	SE	3	bc	53	35	8	4000	StCu	3	ACu	6	0
Roches Point	1028.5	-3	SE	3	c	46	75	8	4000	StCu	9	-	9	·
Pembroke (St. Ann's H.)	1028.5	-1	S	1	bc-	45	65	6	-	-	0	ACu	3	·
Ross-on-Wye	1027.9	-2	N	1	b	42	55	5	-	-	0	Ci	1	2
Leafield	1028.2	-1	WNW	1	b-	42	55	6	-	-	0	ACu	1	6
Winchester (Worthy Dn)	1028.3	-3	N	2	bc	42	35	6	-	-	0	ACu	7	2
S. Farnborough	1028.1	-4	N	1	b/f	43	35	5	-	-	0	ACu	1	4
London (Kew Obsy.)	1028.1	-4	NNE	1	fb-	41	55	4	-	-	0	ACu	7	3
Croydon	1028.4	-4	-	0	ffbc	37	65	2	-	-	0	ACu	4	1
Shoeburyness	1027.8	-3	N'W	1	bc	43	65	8	-	-	0	Ci	3	·
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Felixstowe	1028.0	-4	W	1	bc	42	55	5	-	-	0	ACu	4	0
Lympne	1027.8	-3	N	2	c-	40	55	6	-	-	0	ACu	8	1
Scilly (St. Mary's)	1025.9	0	E'S	5	b	47	75	6	4000	Cu	1	-	1	·
Falmouth (Pendennis)	1027.5	-1	SE'E	3	bc	43	75	6	4000	Cu	2	ACu	4	·
Plymouth (Cattewater)	1027.5	-2	E	3	b	45	35	6	4000	Cu	1	-	1	1
Portland Bill	1027.5	-2	E	2	b	44	65	5	-	-	0	ACu	2	·
Southampton (Calshot)	1028.8	-3	-	0	bc+	43	55	5	-	-	0	ACu	4	4
Dungeness	1028.4	-2	ENE	1	c+	38	97	7	4000	StCu	3	ACu	8	·
Guernsey (Fort George)	1027.3	-2	E	3	b	41	55	6	-	-	0	-	0	·

Observations at 18h. G.M.T. 3rd

Stations	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1027.4	+3	N	3	c	42	85	8	1500	StCu	8	ASt	10	·
Stornoway	1029.8	0	NNW	1	c+	45	85	7	4000	StCu	9	-	9	0
Wick	1028.2	0	WNW	2	o	45	97	6	1500	Nb	10	-	10	0
Tiree	1029.7	-1	N	3	bc	41	85	8	1500	CuNb	2	ACu	3	1
Nairn	[illegible]	·	WNW	1	bc+	43	85	9	2500	Cu.	7	-	7	·
Aberdeen	1027.3	-1	NW	3	or₀	46	85	7	2500	Nb	10	-	10	0
Malin Head	1029.7	-2	N	3	c+	44	92	7	2500	St	9	-	9	0
Renfrew	1027.2	-2	W	1	mb	40	92	4	-	-	0	ACu	4	·
Edinburgh (Inchkeith)	1027.2	0	E	3	bc	41	85	7	1500	St	2	ACu	3	1
Leuchars	1028.2	+2	E	1	bc	40	92	7	-	-	0	ACu	3	·
Eskdalemuir	1027.4	0	N	3	b-	43	65	7	-	-	0	Ci	2	·
Tynemouth	1027.1		N	2	bc+	42	85	6	800	St	4	~~CiSt~~ CiCu	7	0
Blacksod Point	1027.8	-1	NE	2	b	47	75	8	·	-	0	ACu	2	2
Donaghadee	1027.1	-3	NNE	1	bc+	44	85	8	5700	StCu	3	ACu	5	1
Birr Castle	1016.9	·	S	1	bc	46	85	8	4000	StCu	3	-	3	·
Holyhead	1027.0	-2	N'E	1	c+	42	92	6	7200	StCu	8	ACu	8	1
Liverpool (Bidston)	1026.9	-2	NW	1	bc-	38	75	5	1500	St	3	ACu	7	·
Chester (Sealand)	1027.0	-5	NW	2	mmc	38	85	4	4000	StCu	6	ACu	8	·
Harrogate	1026.5	-2	-	0	b	43	85	7	-	-	0	ACu	1	·
Spurn Head	1025.8	-1	N	1	c	40	92	6	1500	St	10	-	10	0
Birmingham (Edgbaston)	1026.3	-1	NNW	2	fo+	44	75	3	-	-	0	ACu	5	·
Cranwell	1027.3	-2	NW	1	c	41	85	5	2500	StCu	8	ACu	9	·
Gorleston	1026.0	-3	N'W	3	ffo	42	92	3	800	St	10	-	10	0
Valentia (Cahirciveen)	1025.9	-1	E'S	3	bc	48	45	8	4000	StCu	5	-	5	0
Roches Point	1027.7	-3	SE	3	c	43	92	8	4000	StCu	8	-	8	1
Pembroke (St. Ann's H.)	1026.3	-2	WNW	1	b-	41	85	5	-	-	0	CiCu	1	1
Ross-on-Wye	1026.2	-2	-	0	mme	39	65	4	-	-	0	ACu	8	·
Leafield	1026.4	-2	NW'N	2	bc	36	65	5	-	-	0	ACu	3	·
Winchester (Worthy Dn)	1026.6	-1	W	1	b	35	75	7	-	-	0	CiSt	2	·
S. Farnborough	1026.1	-1	WNW	1	mb+	39	55	4	-	-	0	Ci	1	·
London (Kew Obsy.)	1025.8	-2	-	0	Fc+	36	75	1	220	St	6	CiSt	8	·
Croydon	1026.0	-2	-	0	ffbc	35	65	2	-	-	0	Ci	3	·
Shoeburyness	1025.8	-2	WSW	1	bc	33	92	4	-	-	0	ASt	4	·
Clacton-on-Sea	1025.4	-2	WSW	3	bc	35	75	6	4000	StCu	2	CiSt	6	1
Felixstowe	1025.3	-2	-	0	mmc	41	65	4	4000	StCu	6	ACu	8	0
Lympne	1025.7	-1	SW	1	bc+	35	75	5	-	-	0	Ci	7	·
Scilly (St. Mary's)	1026.0	-1	E'S	4	bc	43	75	6	-	-	0	ASt	4	3
Falmouth (Pendennis)	1025.6	-1	ESE	1	bc+	43	65	7	4000	StCu	5	CiCu	6	0
Plymouth (Cattewater)	1026.2	+1	E	2	bc-	43	45	7	4000	StCu	6	-	6	0
Portland Bill	1025.8	-2	-	0	bc-	39	65	6	4000	Cu	3	-	3	1
Southampton (Calshot)	1026.8	-2	S'E	1	b-	36	85	6	-	-	0	ACu	1	0
Dungeness	1025.6	-3	WSW	1	bc-	37	75	6	-	-	0	CiSt	6	1
Guernsey (Fort George)	1025.6	-1	E'N	3	bc+	41	65	6	4000	StCu	5	ACu	7	4

London Observations

Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 3h-21h, other stations.

Station	Heights above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Max. Day °F.	Min. Night °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h
		24 Hours ended 9h											
Kew	18	[illegible]	bfcf	[illegible]	45	33	23	-	Tr.	3.9	·	·	5
Croydon	264	[illegible]	bff	[illegible]	42	33	26	-	Tr.	1.7	·	·	4
Greenwich (Royal Obsy.)	149	bcx	cbxf	[illegible]	43	37	22	-	Tr.	2.5	59	80	5
City (Bunhill Row)	80	·	·	·	·	·	·	·	·	1.3	·	·	·
Westminster (St. James' Pk.)	27	·	·	·	42	29	25	-	-	0.7	80	89	·
Regent's Pk. (Botanic Gdns).	168	·	·	·	·	·	·	·	·	1.0	·	·	·
Camden Square	110	bfc	cfbf	·	39	34	-	-	-	·	·	89	·
Kensington Palace	60	[illegible]	cf	·	43	33	25	-	-	·	(At 18h) 100	81	·
Hampstead Observatory	450	·	·	·	46	33	29	-	0.5	4.9	·	87	·

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 7h. G.M.T. 4th

South Kensington			
Max.	Time.	Min.	Time.

Kew Observatory			
Max.	Time.	Min.	Time.
1.3	18h. 30m	0.1	6h. 40m

Pole Star Record at Greenwich Obsy.

Exposure from 3rd 18 h. 45 m. to 4th 5 h. 30 m.

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

Code for State of Ground.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

Table showing the Greenwich Times of Sunrise, Noon, and Sunset. 4th & 5th March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.36	12.05	17.35
	6.34	12.05	17.37
Greenwich	6.42	12.12	17.43
	6.39	12.12	17.45
Wick	7.03	12.24	17.46
	7.01	12.24	17.49
Valentia	7.23	12.53	18.24
	7.21	12.53	18.26

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♁ = lunar halo.
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; − = has decreased; + = has increased.

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
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.

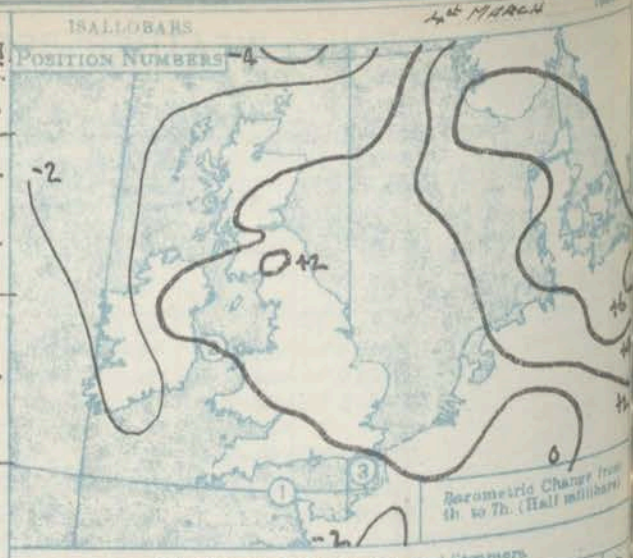
§ Telegraphic Code for Surface Visibility.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 „
2. Fog.	550 „
3. Moderate fog.	1,100 „
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ „
6. Moderate	5½ „
7. Good.	12½ „
8. Very good.	31 „
9. Excellent visibility, beyond 31 m.	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 3rd	Weather. 13h.-18h. 3rd	Weather. 18h. 3rd to 1h. 4th	Weather. 1h.-7h. 4th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Day. 7h.-18h. began.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Night. 18h.-7h. began.	Sun 3rd Hours.
Lerwick	cbc	bec	cbc	bcc	47	37	•	–	–	–	–	1.0
Stornoway	c	c	b·bc	o	52	37	•	–	–	–	–	3.4
Wick	bcc	om.rr	m.pr	c	49	39	•	0.3	15.30	0.2	22.00	•
Tiree	boc	cbc	bbm.	bbc	46	32	19	–	–	–	–	1.0
Nairn	bbbbcc	bc	bcc	c	51	38	•	–	–	–	–	6.7
Aberdeen	bz.bc	bccor.	oir.	cir.	48	38	35	Tr	17.30	0.6	22.00	5.0
Malin Head	bcz.z.	bczc	cbcb	bxz.	47	38	•	–	–	–	–	5.3
Renfrew	bbcffc	cbcz.	bcbm.	bm.cm.	52	28	22	–	–	–	–	4.3
Edinburgh (Inchkeith)	bc mm	cmmbc	bcco	oc	50	38	—	–	–	–	–	5.1
Leuchars	cbcbc	bc	bbcc	c	53	37	33	–	–	–	–	7.7
Eskdalemuir	bcc	cbcb	b	bbccid.	53	33	28	–	–	Tr.	6.30	7.1
Tynemouth	cff	cbc	bcoir.	oc	51	38	36	–	–	2 0.2	22.00	•
Blacksod Point	bcd	b	bc	b	52	40	•	–	•	–	•	•
Donaghadee	bc	bc	bbc	bcw	47	41	•	–	–	–	–	•
Birr Castle	krbc	krlc	bc	bcm.	50	33	30	–	–	–	–	9.5
Holyhead	cbczzbz	bz.	cbcbmw	bm.w	45	37	29	–	–	Tr.	–	8.0
Liverpool (Bidston)	cmczy	mfocm	cmbbc	cm.m	42	35	24	–	–	–	–	5.2
Chester (Sealand)	cff2	obcz	bcmf	bccff	49	29	23	–	–	–	–	6.5
Harrogate	bbc	bcb	bbcc	cor.r.	51	36	30	–	–	0.3	2.30	7.6
Spurn Head	cz	cz.	cbccopd.	cpd.brc	43	36	•	–	–	1	22.00	4.6
Birmingham (Edgbaston)	cfb	mbc	ffb	bffc	49	35	23	–	–	–	–	4.5
Cranwell	cmbcf	bmcm.	cod.	cd.m.	49	35	28	–	–	0.2	22.00	4.7
Gorleston	bczbcm	bccm.	ffomqr.	ocq	46	35	34	–	–	0.1	22.00	4.5
Valentia (Cahirciveen)	cbcy	bcy	bcyby	bx	54	32	30	–	–	–	–	3.4
Roches Point	c	c	c	cbcbwx	48	35	•	–	–	Tr.	–	•
Pembroke (St. Ann's H.)	cbcm.	bc bm.	bbcbm.	bm.	45	34	•	–	–	•	–	7.9
Ross-on-Wye	cmbczbz	bzbzcz	czbcfbf	bfccf	46	28	22	–	–	–	–	5.3
Leafield	cbc	by	bcb	bbccd.	44	32	26	–	–	Tr.	6.30	4.2
Winchester (Worthy Dn.)	bczzy	bcy.by	bxbc	cofm	47	30	23	–	–	0.1	4.30	7.1
S. Farnborough	bfzczy	z.byz	bzycm.	cocd.	49	28	22	–	–	Tr.	5.30	5.0
London (Kew Obsy.)	cfzbcy	bfcF	cfxcm	omcmd.	45	33	23	–	–	Tr.	6.30	3.9
Croydon	bcczff	bbFf	bcfoF	offmd.	42	33	26	–	–	Tr.	5.30	1.7
Shoeburyness	bcm.cb	b	bcm.	cd.	44	32	24	–	–	Tr.	6.30	5.3
Clacton-on-Sea	bc	bcm	bmcm	cmc–	42	34	30	–	–	–	–	5.5
Felixstowe	cz. bcy	bcycz	cz	cw	43	35	33	–	–	Tr.	–	5.0
Lympne	bfm.cz.	cbbcz.y	bczoFF	oprfm.	42	31	24	–	–	0.4	1.30	5.8
Scilly (St. Mary's)	bm.	bbcm.	bcbm.	bm.	47	40	•	–	–	–	–	9.0
Falmouth (Pendennis)	cbcz.	bbz.	bcb	bbcz.	43	34	•	–	–	–	–	7.8
Plymouth (Cattewater)	bcbz.y	bz.ybc	babx	babx.	48	30	21	–	–	–	–	7.8
Portland Bill	cbm.	bcbcz.	bcbz.	bbcom.	44	36	•	–	–	–	–	•
Southampton (Calshot)	bcm.bmyz	bcbm.	bmxmbcm	omcm.	44	29	17	–	–	–	–	5.9
Dungeness	dcc	cbc	bccoff	offd.d	42	31	•	–	–	Tr.	4.30	•
Guernsey	bxz.y	bz.ybc	dczb	bbccz.	43	39	•	–	–	–	–	8.9



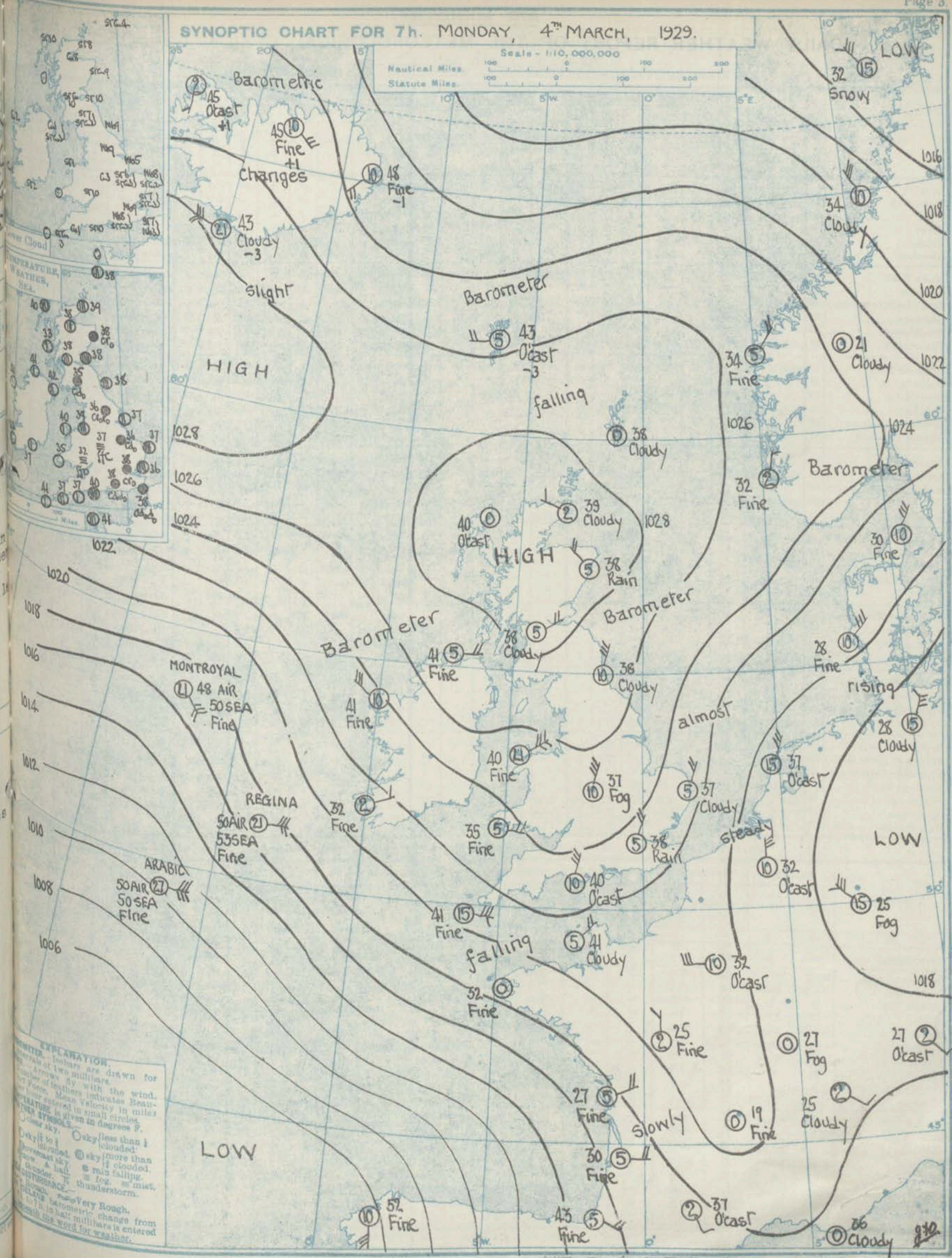
Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Pressure

GENERAL INFERENCE.

An anticyclone over Scotland will move to the North Sea and another to the south of Iceland remain stationary but decrease in intensity. Weather will be milder and less settled generally but with considerable bright intervals in the West.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Monday, 4th March, 1929.	Farther Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Northeasterly to easterly winds, light to moderate; cloudy periods, local drizzle and mist; milder than of late.	Tending to become both milder and less settled than of late.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Easterly to southeasterly winds, light to fresh; bright at first, less settled later; local morning coastal mist; moderate day temperature, slight ground frost at night.	
9. N. Midlands 10. N.E. England 11. S.E. Scotland	As 1 - 4.	
12. S.W. Scotland & Isle of Man 13. A. W. Scotland B. N.W. Scotland 14. Mid-Scotland	Variable winds, light to moderate; cloudy and bright periods; local morning mist or fog; moderate day temperature; ground frost locally at night.	
15. N.E. Scotland 16. Orkneys and Shetlands	Light variable winds, freshening from northwest or north; cloudy with occasional rain or drizzle; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Southeasterly winds, light to fresh or strong at times; bright at first, less settled later; moderate temperature.	



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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Monday, 4th March 1929. No. 63

Observations at 1h. G.M.T. 4th

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10
Lerwick	54	1028·4	+1	N	2	bc	39	75	8	1500	StCu	4	ASt	7
Stornoway	30	1029·2	0	-	0	C+	•	•	6	•	•	•	•	10
Wick	81	1029·6	0	ENE	3	c	42	85	8	1500	Nb	5	ASt	8
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	81	1028·2	-2	N	2	b	43	97	7	5700	StCu	1	-	1
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1028·3	0	W	1	o	41	85	8	800	St	10	-	10
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	1026·7	0	N	3	ojp	40	97	6	1500	Nb	10	-	10
Blacksod Point	18	1026·2	-1	NW	3	c	45	92	6	•	StCu	8	-	8
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	178	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	38	1026·2	-2	NE	2	b	39	85	5	-	-	0	-	0
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	1024·0	0	NE'N	3	od.	38	97	7	1500	Nb	10	-	10
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	236	1026·2	-1	NNW	3	od.	37	97	5	1500	St	10	-	10
Gorleston	14	1022·6	-2	N	4	o	39	97	6	2500	Nb	10	-	10
Valentia (Cahirciveen) P	30	1024·9	-3	SE'E	2	b	43	86	9	-	-	0	-	0
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	160	1024·0	-1	-	0	b-	37	75	6	-	-	0	-	0
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	37	•	•	•	•	•	•	•
Croydon	244	1024·1	-2	NW	1	Fo+	37	85	1	<150	St	10	-	10
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1022·5	-3	NW'N	3	Fo+	35	97	1	<150	St	10	-	10
Scilly (St. Mary's)	163	1022·8	-1	SE'E	5	b	42	85	6	-	-	0	-	0
Falmouth (Pendennis)	200	1023·7	-2	-	0	b	37	75	8	-	-	0	-	0
Plymouth (Cattewater)	62	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	52	1023·6	-1	-	0	b	36	65	6	-	-	0	-	0
Southampton (Calshot)	10	1024·2	-2	N'W	3	O+	33	85	5	800	St	10	-	10
Dungeness	20	1022·9	-3	N	1	fo+	36	85	2	<150	St	10	-	10
Guernsey (Fort George) P	226	1022·8	-2	NE	1	b-	39	85	6	-	-	0	-	0

Observations at 7h. G.M.T. 4th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10	Sun
Lerwick	1027·3	-5	-	0	c	39	75	8	1500	St.Cu.	4	A.St.	9	•
Stornoway	1028·1	-1	-	0	o	40	97	7	2500	St.	10	-	10	0
Wick	1028·3	-1	WNW	1	c	39	92	8	1500	St.	8	A.St.	10	0
Tiree	1027·4	0	E	1	b	33	85	8	-	-	0	Ci	2	•
Nairn	1028·4	•	-	0	c	38	85	8	2500	Cu.	8	-	8	0
Aberdeen	1028·1	0	NW	2	c/o	38	85	7	2500	St.Cu.	9	-	9	0
Malin Head	1026·9	-1	E	2	b	41	92	5	5700	St.Cu.	2	Ci.Cu.	2	•
Renfrew	1028·2	0	ENE	2	c	39	97	5	2500	St.Cu.	10	-	10	1
Edinburgh (Inchkeith)	1027·4	-1	ENE	3	o	38	92	9	1500	St.	10	-	10	•
Leuchars	1028·5	0	NE	2	c	39	85	8	4000	St.Cu.	10	-	9	•
Eskdalemuir	1027·6	+2	NE	4	c d.	35	92	7	1500	St.	9	-	9	4
Tynemouth	1027·2	0	NNE	3	c	38	75	7	1500	Nb.	9	-	2	2
Blacksod Point	1028·9	-2	NW	3	b	41	85	8	•	Cu.	2	-	4	2
Donaghadee	1026·4	0	NE'E	2	bc+	42	85	8	4000	St.Cu.	4	-	4	•
Birr Castle	1023·2	•	S	1	bc	40	85	6	2500	Cu	1	Ci	2	3
Holyhead	1024·8	0	ENE	5	b	40	92	5	4000	St.	1	Ci.	9	•
Liverpool (Bidston)	1025·6	0	NE	3	c-	39	75	6	1500	St.Cu.	9	-	9	•
Chester (Sealand)	1025·4	0	NNW	1	ffc	36	92	3	4000	St.Cu.	9	-	9	•
Harrogate	1026·7	+1	NNE	2	c/c	36	92	5	2500	Nb.	9	A.Cu.	6	2
Spurn Head	1023·8	0	NE	4	bc-	37	97	6	2500	Nb.	5	A.St.	9	•
Birmingham (Edgbaston)	1025·1	0	NNE	3	ffc	37	92	3	1500	Cu.	3	A.St.	9	•
Cranwell	1025·6	0	N'E	3	c d.	36	97	6	4050	St.	9	-	10	1
Gorleston	1022·3	0	NNE	4	c	37	85	6	2500	Nb.	10	-	1	0
Valentia (Cahirciveen) P	1024·7	-1	ENE	1	b	32	75	8	4000	Cu.	1	-	2	1
Roches Point	1023·0	-2	E	2	b	37	92	8	1500	St.	2	-	0	1
Pembroke (St. Ann's H.)	1022·7	-1	ESE	2	b	35	85	6	-	-	0	-	10	•
Ross-on-Wye	1024·3	0	SW'S	1	ffo	32	92	3	800	St.	10	-	10	•
Leafield	1024·1	+1	NE'N	3	c d.	36	85	8	1500	St.Cu.	10	-	10	•
Winchester (Worthy Dn.)	1023·5	0	N	2	c	37	92	5	4050	St.	10	-	10	•
S. Farnborough	1023·2	0	N	2	c d.	38	92	6	800	Nb.	10	-	9	•
London (Kew Obsy.)	1023·4	+1	NNE	2	c/o	38	92	5	4050	Nb.	9	-	10	•
Croydon	1023·1	0	N'E	2	mno	38	92	4	4050	St.	10	-	10	•
Shoeburyness	1022·7	0	NNE	4	c/d	37	92	7	1500	St.	8	-	8	2
Clacton-on-Sea	1022·8	+1	NNW	4	c	36	97	6	5700	St.Cu.	8	-	10	3
Felixstowe	1022·7	0	NNE	4	c	36	92	7	1500	St.	10	-	10	•
Lympne	1022·5	0	N	5	od.	37	92	5	4050	St.	10			4
Scilly (St. Mary's)	1020·8	-1	ESE	4	b	41	85	6	-	-	0	A.St.	2	0
Falmouth (Pendennis)	1021·7	-1	-	0	bc+	37	65	6	4000	St.Cu.	3	-	3	0
Plymouth (Cattewater)	1022·2	-1	SE	3	b-	37	75	6	4000	Cu.	1	-	1	0
Portland Bill	1023·3	-1	NNE	3	o+	40	85	5	1500	St.	10	-	10	0
Southampton (Calshot)	1023·3	-1	NNE	4	c	37	92	5	1500	St.Cu.	8	A.St.	10	0
Dungeness	1021·7	-1	NE	1	od d.	38	92	7	4050	St.	10	-	10	1
Guernsey (Fort George) P	1021·9	-1	NE	2	cu	40	65	5	-	-	0	A.Cu.	8	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Sunday, 3rd March 1929

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 2nd to 9h. 3rd.	Temperature. Max. 9h. -17h. 3rd.	Rainfall.† Night 17h.-9h. 2nd-3rd.	Rainfall.† Day 9h.-17h. 3rd.	Sunshine. Sunrise to 17h. 3rd.	Sunshine. Sunrise to Sunset. 2nd.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	bcb	b	34	49	-	-	6·8	2·3
Douglas (I. o. M.)	bzb	bc	33	49	-	-	7·4	3·6
Llandudno	bc b	bbc	30	45	-	-	7·7	7·0
Colwyn Bay	b	b	31	45	-	-	7·0	7·1
Rhyl	b	bbc	29	46	-	-	7·5	6·7
Wallasey	fo bcb	bbc	29	42	-	-	4·5	5·5
Southport	fbx	mbc	31	42	-	-	4·1	5·4
Blackpool	bmbc	bcc	31	46	-	-	7·0	5·6
Ilkley	b	b	25	54	-	-	7·1	2·6
Cleethorpes	cb	bco	27	47	-	-	3·1	4·6
Skegness	bcmb	bo	29	45	-	-	3·1	7·4
Aberystwyth	zcbc	bbc	29	42	-	-	6·8	9·4
Bath	cbc	cbcb	26	47	-	-	3·8	8·8
Cheltenham	cmbm	bcm	28	44	-	-	2·1	9·1
Leamington Spa	cm	cm	25	44	-	-	1·3	6·3
Lowestoft	b	b	28	46	-	-	5·1	6·8
Harwich & Dovercourt	bc	bcm	26	45	-	-	5·5	9·9
Maldon	cb	bbc	22	45	-	-	4·5	8·4
Southend	cz	cbczc	26	45	-	-	6·2	9·6

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	zbc	bcebc	27	51	-	-	5·9	9·1
Penzance	b	b	37	47	-	-	8·2	7·2
Paignton	wbm	bbc	29	45	-	-	7·2	8·1
Torquay	bmb	b	30	45	-	-	7·5	9·0
Jersey	b	b	29	44	-	-	9·8	10·3
Weymouth	mbb	bbm	28	47	-	-	6·5	9·3
Bournemouth	b	bm	23	46	-	-	6·9	8·8
Ventnor	zbz	bbcz	30	44	-	-	6·3	9·9
Portsmouth (S'thsea)	b	bc	26	44	-	-	5·8	9·5
Bognor	b	bc	27	42	-	-	5·7	10·0
Littlehampton	bc	bc	25	41	-	-	5·7	10·1
Worthing	bbc	cbc	27	43	-	-	5·2	9·6
Brighton	bbc	bc	28	43	-	-	5·9	9·8
Eastbourne	mbc	cb	27	42	-	-	5·8	9·9
Hastings‖	bcbbc	bcb	27	41	-	-	5·9	10·0
Folkestone	bcc	cbc	29	42	-	-	5·5	9·1
Dover	bmc	cbc	26	42	-	-	5·8	9·7
Tunbridge Wells	bcbc	bccbc	20	47	-	-	6·1	10·0
Ramsgate	bbcm	bm	29	41	-	-	6·2	9·6
Margate	bcc	bc	29	41	-	-	6·0	9·8
Deal	bbo	bcb	25	44	-	-	6·0	9·5

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

* Information not usually received. P The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. ‖ For code see page 1. †: See footnote page 1.

‖ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ‡ 17h.-7h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.24575. Tuesday, 5th. MARCH 1929.

Observations at 13h. G.M.T. 4th. / Observations at 18h. G.M.T. 4th.

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb. (13h)	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.	Barom. at M.S.L. mb. (18h)	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1022.5	-6	W	2	c	42	85	8	1500	StCu	3	ASt	9	•	1017.5	-5	NW	2	od.	43	92	7	1500	Nb	10	-	10	•
Stornoway	1025.5	-2	-	0	o	44	92	6	2500	St	10	-	10	•	1022.4	-3	NW	1	o	44	92	7	2500	St	10	-	10	0
Wick	1024.9	-4	WSW	3	c	42	85	8	1500	CuNb	6	ASt	8	•	1021.7	-3	WNW	3	cdd.	42	97	7	1500	St	7	ASt	10	0
Tiree	1026.3	0	SW	3	bc	42	85	7	2500	Cu	2	Ci	4	0	1024.4	+1	WSW	2	c+	42	85	7	1500	StCu	9	-	9	1
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1022.3	•	W	1	bc	43	85	8	4000	StCu	3	ACu	6	•
Aberdeen	1026.1	-3	-	0	c	42	75	7	2500	StCu	9	-	9	2	1022.5	-4	SW	2	b-	40	85	7	2500	StCu	1	ACu	2	0
Malin Head	1026.5	-1	E	4	bc	42	92	7	4000	Cu	4	CiCu	4	•	1024.3	-2	ESE	2	b	41	92	8	5700	StCu	1	CiCu	1	0
Renfrew	1027.3	-2	NE	3	c	41	75	6	2500	StCu	10	-	10	1	1024.2	-3	NE	1	mmbc	33	85	4	5700	StCu	3	-	3	•
Edinburgh (Inchkeith)	1026.8	-1	NE	2	bc	41	75	8	4000	Cu	3	ACu	7	•	1024.0	-3	NE	1	c+	38	75	8	1500	St	3	CiSt	8	0
Leuchars	1026.8	-2	SE	1	c	42	75	8	2500	StCu	9	-	9	2	1023.3	-4	W	2	b-	36	85	6	-	-	0	ACu	1	•
Eskdalemuir	1026.8	-2	NE	3	c	38	75	8	2500	StCu	9	-	9	3	1024.7	-3	NW'W	2	bc-	31	85	8	4000	StCu	4	Ci	5	•
Tynemouth	1026.4	-1	NNE	2	c	40	75	8	1500	Cu	4	-	4	•	1024.0	-2	-	0	c	39	75	7	1500	Nb	9	-	9	2
Blacksod Point	1023.4	0	ESE	3	b	45	85	7	•	Cu	1	-	1	•	1021.9	-1	E	3	b	46	75	8	•	-	0	-	0	2
Donaghadee	1026.3	-1	E	4	bc	42	75	8	5700	StCu	2	CiSt	4	•	1024.0	-2	ESE	2	bc-	41	75	8	5700	StCu	3	ACu	5	2
Birr Castle	1022.2	•	S	1	bc	49	75	7	2500	Cu	2	CiCu	4	•	1021.0	•	SE	2	c+	43	85	7	1500	Cu	3	ACu	8	•
Holyhead	1024.1	-2	ENE	5	c⊕	42	75	6	-	-	0	CiSt	8	1	1022.8	-1	ENE	3	bc	39	85	6	-	-	0	ASt	3	3
Liverpool (Bidston)	1024.8	-2	NE	4	bc-	40	55	5	1500	StCu	7	-	7	•	1023.1	-1	ENE	3	fc-	39	65	3	1500	St	8	-	8	•
Chester (Sealand)	1024.9	-3	E	3	c	42	65	6	2500	StCu	8	-	8	3	1023.1	-1	NE'E	2	b-	36	75	5	4000	StCu	2	-	2	•
Harrogate	1025.4	0	NE	3	c	39	65	8	4000	CuNb	9	-	9	•	1024.3	-1	NNE	2	b-	37	75	7	4000	StCu	2	-	2	•
Spurn Head	1023.9	0	E'N	3	b	42	75	7	4000	Cu	2	-	2	•	1023.4	0	SE'E	2	bc+	35	92	7	-	-	0	ASt	3	2
Birmingham (Edgbaston)	1024.2	-2	NE	4	c	38	75	5	1500	Nb	9	-	9	4	1022.3	-1	E	3	b-	38	65	5	-	-	0	-	0	•
Cranwell	1024.3	-2	ENE	5	bc-	43	65	8	2500	Cu	3	-	3	1	1024.0	0	E'N	3	b	33	85	8	-	-	0	-	0	•
Gorleston	1022.9	+2	ENE	4	b-	39	92	7	4000	Cu	2	-	2	•	1022.7	0	ENE	4	b	35	85	7	-	-	0	-	0	1
Valentia (Cahirciveen)	1019.2	-3	SE'E	3	b	53	35	6	-	-	0	-	0	0	1018.4	0	SE'E	4	bc	48	75	6	4000	Cu	3	-	3	0
Roches Point	1021.8	-2	E	4	bc	47	85	7	1500	St	3	-	3	•	1020.9	0	E	3	c	44	92	7	1500	StCu	9	-	9	4
Pembroke (St. Ann's H.)	1022.1	-2	ESE	3	bc	45	75	6	2500	Cu	2	CiSt	4	•	1020.6	-2	ESE	3	c+	40	85	6	1500	StCu	5	Ci	8	1
Ross-on-Wye	1023.2	-2	NE	4	c	39	65	7	2500	StCu	10	-	10	2	1021.3	-2	E'N	3	b-	38	75	7	4000	StCu	1	-	1	•
Leafield	1023.5	0	NE'N	4	c	37	65	8	4000	StCu	10	-	10	2	1021.8	-1	NE'E	3	b-	35	75	8	-	-	0	ACu	1	•
Winchester (Worthy Dn.)	1021.8	-3	N'E	4	c	40	65	8	2500	StCu	9	-	9	1	1020.6	-1	N'E	1	bc-	36	75	7	2500	StCu	3	-	3	•
S. Farnborough	1021.9	-2	NE'N	4	c/d.	40	65	7	2500	StCu	9	-	9	4	1020.9	-1	NE	1	b-	35	75	7	2500	StCu	2	-	2	•
London (Kew Obsy.)	1022.3	-2	NE'N	3	c	39	65	6	2500	StCu	10	-	10	1	1021.0	-1	NE	3	mmb	39	55	4	-	-	0	-	0	•
Croydon	1022.1	-3	NNE	4	c	38	75	5	1500	StCu	10	-	10	1	1021.2	0	E'N	3	b-	35	92	5	2500	St	1	-	1	•
Shoeburyness	1021.7	-1	NE	4	c	41	65	8	2500	StCu	8	ASt	9	•	1021.7	0	NE	4	b	32	92	8	-	-	0	-	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1021.9	0	NNE	4	bc	36	85	7	-	-	0	ACu	3	2
Felixstowe	1021.7	-2	ENE	4	bc-	41	75	8	2500	StCu	5	-	5	0	1022.2	+1	NE'N	3	b	34	85	7	-	-	0	-	0	3
Lympne	1020.9	-2	N'E	5	c	38	65	7	1500	StCu	9	-	9	1	1020.7	+1	NE'N	4	b	33	85	6	-	-	0	-	0	•
Scilly (St. Mary's)	1018.8	-1	E'S	6	bc	47	85	5	4000	Cu	4	-	4	•	1017.5	-2	ESE	6	c+	42	85	7	4000	StCu	9	-	9	5
Falmouth (Pendennis)	1020.4	0	E'S	5	c+	42	75	6	4000	StCu	8	-	8	•	1019.1	-1	ENE	6	c	40	75	8	4000	StCu	8	-	8	2
Plymouth (Cattewater)	1021.5	0	ENE	4	c	40	75	6	1500	St	10	-	10	1	1019.6	0	E	4	c	40	75	7	4000	StCu	9	-	9	0
Portland Bill	1020.7	-2	NE	4	c+	40	75	8	2500	StCu	10	-	10	•	1019.2	-1	NE	4	c	39	65	6	2500	StCu	10	-	10	4
Southampton (Calshot)	1022.0	-2	NE'E	4	c-	39	65	7	2500	StCu	8	-	8	4	1020.5	-1	NE'E	3	bc-	36	75	6	4000	StCu	3	-	3	0
Dungeness	1020.8	-2	ENE	3	c	38	65	8	1500	StCu	10	-	10	•	1020.0	+1	ENE	4	bc-	36	85	8	1500	Cu	3	-	3	4
Guernsey (Fort George)	1020.3	-2	ENE	5	c	41	85	7	1500	St	10	-	10	•	1018.2	0	E'N	5	c-	39	75	8	2500	StCu	9	-	9	5

LONDON OBSERVATIONS. Day 7h-19h, Kew & Croydon. 9h-18h, Kensington. 8h-21h, other stations. Weather: 24 HOURS ENDED 8h.

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. Day °F.	Temp. Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 8h. G.M.T. % To-day	Visibility 8h.
Kew	18	cr.m.	cz.bz	bm.ofx	41	22	12	Tr	Tr	0.7	•	•	2
Croydon	244	ocr.r.m.	cz.b	bcmFFx	39	26	17	Tr	-	0.9	•	•	6
Greenwich (Royal Obsy.)	149	c	cb	bfFx	40	21	9	-	Tr	1.2	65	92	0
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.4	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	42	25	15	-	-	0.6	71	85	•
Regent's Pk. (Botanic Gdns).	163	•	•	•	•	•	•	•	•	1.0	•	•	•
Camden Square	110	c	cb	•	40	25	8	-	-	•	•	90	•
Kensington Palace	80	c	co	•	40	24	16	-	-	•	(At 18h) .31	84	•
Hampstead Observatory	460	•	•	•	39	23	11	-	0.1	2.1	•	88	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 7h. G.M.T. 5th.

South Kensington Max.	Time.	Min.	Time.
Defective	Record		

Kew Observatory Max.	Time.	Min.	Time.
0.9	24h. 4th	0.1	13h. 4th

POLE STAR RECORD at Greenwich Obsy.

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

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	10 45	10 45	100
δ Ursae Minoris	10.45	10.45	100

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Starting to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET.

5th/6th MARCH, 1929.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.34 6.32	12.5 12.5	17.37 17.39
Greenwich	6.39 6.37	12.12 12.12	17.45 17.47
Wick	7.1 6.58	12.24 12.24	17.49 17.51
Valentia	7.21 7.19	12.53 12.53	18.25 18.27

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog. " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⦶ = lunar halo.
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; ⇒ = has decreased; ⇑ = has increased.

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

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

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

§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

Code	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

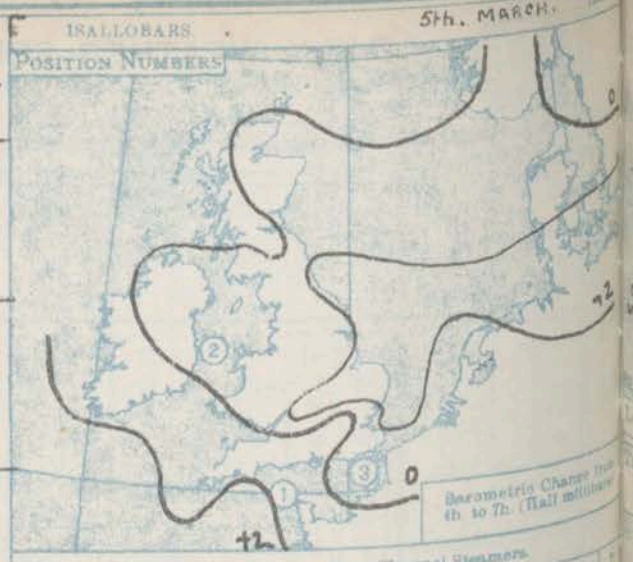
† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

M.O. Form 2370.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-18h. 4th	Weather. 18h.-18h. 4th	Weather. 18h. 4th to 1h. 5th	Weather. 1h.-7h. 5th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall.† Day. 7h.-18h. mm	Rainfall.† Day. 7h.-18h. began.	Rainfall.† Night. 18h.-7h. mm	Rainfall.† Night. 18h.-7h. began.	Sun 4th. Hours.
Lerwick	c	coid.	epr.	cpr.c	44	40	•	0·2	14·30	Tr	<21·00	0·0
Stornoway	bffoz	o	c	opr.c	46	42	•	–	–	0·1	2·30	0·0
Wick	c	cd.d	d.id.	bbc	45	39	•	0·2	16·30	0·4	<21·00	•
Tiree	bc	bcc	co	oc	47	41	40	–	–	–	–	6·2
Nairn	cbc	bc	bcr.c	cbc	45	39	•	–	–	0·3	<21·00	3·4
Aberdeen	c	cbc	bccbc	bc	42	38	34	–	–	Tr	–	1·2
Malin Head	bz.bc	b-bc	bbc	bccg	42	33	•	–	–	–	–	9·7
Renfrew	cz.	cz.bcz	bcbmx	bmx	41	25	19	–	–	–	–	0·0
Edinburgh (Inchkeith)	cbc	bcc	bcm.m	bcomm	44	33	29	–	–	–	–	4·5
Leuchars	c.p.c	ccbcb	bbc	bbcc	42	32	26	Tr	9.00	–	–	0·9
Eskdalemuir	cid.occ	cbc	bcbbx	bxbcx	39	19	17	Tr	<8.00	–	–	1·6
Tynemouth	c	c	cbcif	bco	41	32	26	–	–	–	–	•
Blacksod Point	b	b	b	b	48	35	•	–	•	–	•	•
Donaghadee	bc	bc	bx	bbcc	45	32	•	–	–	–	–	•
Birr Castle	bc	bcc	c	cm.	50	27	18	–	–	–	–	4·5
Holyhead	bm.bbcz	cbcz.	bcbmxm	bm.xmm	43	31	25	–	–	–	–	6·7
Liverpool (Bidston)	ccmoy	com.f	bcfcx	bcefx	41	29	17	–	–	–	–	2·0
Chester (Sealand)	cfm.	cbcz.	bm.x	bmfx	43	21	15	–	–	–	–	3·5
Harrogate	cr.c	cb	b	bbccx	40	28	23	Tr	<8.00	–	–	1·5
Spurn Head	bcbb	b	bcm	bcmx	43	29	•	–	–	–	–	7·4
Birmingham (Edgbaston)	fcc	cbc	bm	bmfx	41	26	10	–	–	–	–	0·2
Cranwell	ccr.bc	b	b	bbm	45	23	18	0·2	<8.00	–	–	6·0
Gorleston	cr.qbc	b	bx	bbcx	39	28	21	Tr	<8.00	–	–	5·3
Valentia (Cahirciveen)	bxby	byz.bc	bcz.b	bwb	54	35	30	Tr	<8.00	Tr	–	8·2
Roches Point	bbc	bccz	cz.	c	49	39	•	–	–	–	–	•
Pembroke (St. Ann's H.)	bbcm.	bcm.	cbcbm.	bm.	45	31	•	–	–	–	–	7·1
Ross-on-Wye	ofmc	cbccb	b	bmxbFx	40	22	17	–	–	–	–	0·5
Leafield	cp.	cbcb	b	bx	39	21	13	Tr	9.00	–	–	1·3
Winchester (Worthy Dn.)	cm.c	cbc	bx	bm.x	41	20	13	–	–	–	–	0·8
S. Farnborough	cd.c	cycbcz.	bm	bmoff	40	20	12	Tr	<8.00	Tr	–	0·2
London (Kew Obsy.)	cr.m.	cz.bz	bmx	oFx	41	22	12	Tr	<8.00	Tr	–	0·7
Croydon	ocr.r.m.	cz.b	bocm.x	omFFx	39	26	17	Tr	<8.00	–	–	0·9
Shoeburyness	cid.c	cb	b	bm.	43	21	18	Tr	<8.00	–	–	3·0
Clacton-on-Sea	cp	ocbc	bcb	bbcx	41	27	25	–	–	–	–	~~4·0~~ 3·9
Felixstowe	cbc	bcb	b	bcx	41	25	14	0·1	9.00	Tr	Tr	4·9
Lympne	cd.c.r.c	cbcb	bx	bbcm.	39	24	15	Tr	<8.00	0·2	<21.00	6·8
Scilly (St. Mary's)	bbcm.	bcmc	c	c	47	39	•	–	–	–	–	6·0
Falmouth (Pendennis)	bccz.q	cq	cq	cbc	46	39	•	–	–	–	–	2·0
Plymouth (Cattewater)	bz.c	c	cbc	bcwc	43	34	29	–	–	–	–	2·4
Portland Bill	oc	cz.	cbcbc	bz.	41	32	•	–	–	–	–	•
Southampton (Calshot)	cdm.c	cbcm.	bbx	bxm.	40	26	16	Tr	–	–	–	0·7
Dungeness	cd.d.cc	cbc	bc	bc	41	23	•	0·1	<8.00	–	–	•
Guernsey	bmq	cq	cbcq	bcqx	42	36	•	–	–	–	–	0·0

† Trace = rain has fallen, but amount less than 0·1 mm.



Observations from Cross Channel Steamers.

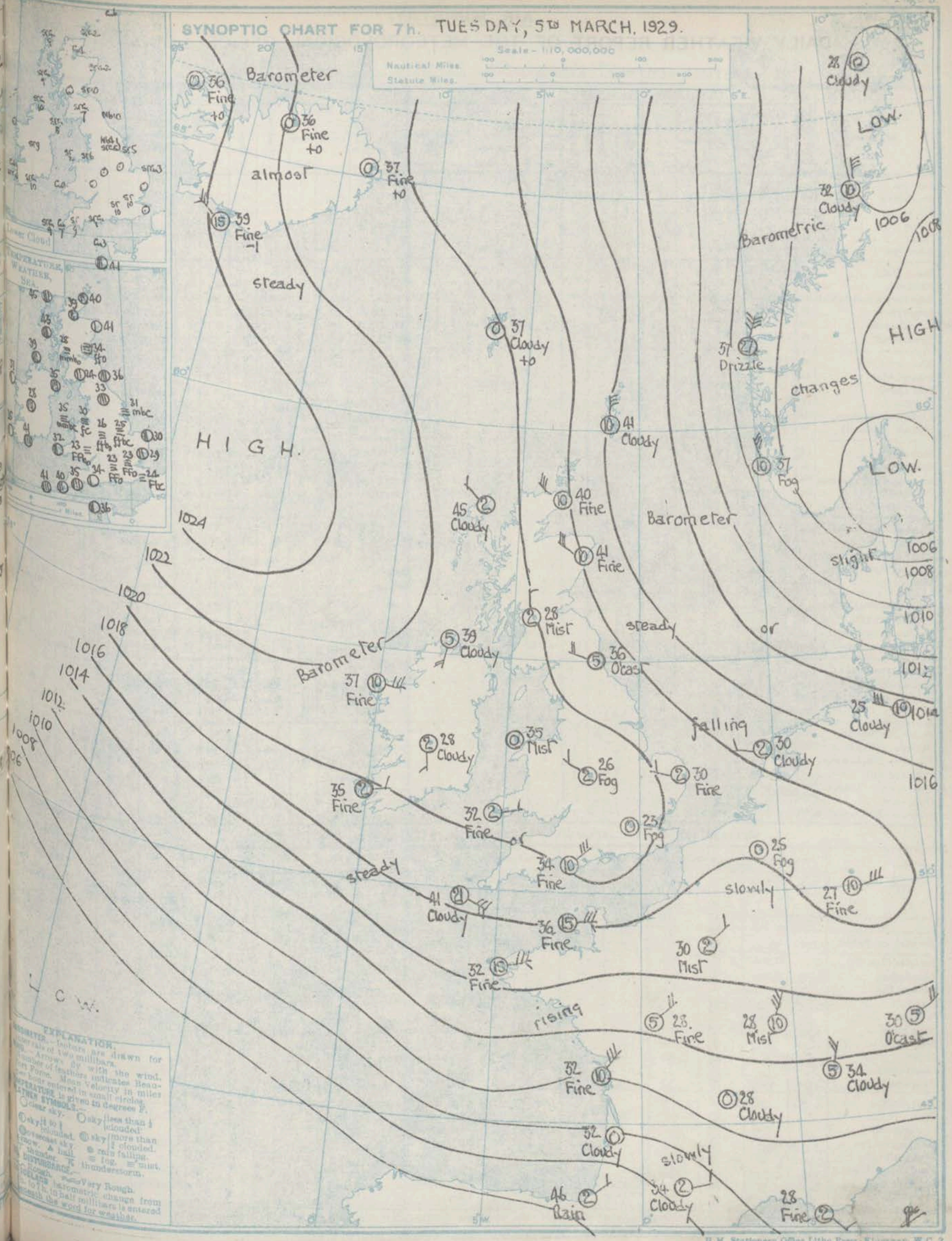
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.
3	24 5th	Brighton	NE	2	bc	30	41

General Inference.

From an anticyclone to the south of Iceland a ridge of high pressure extends southeastwards across the British Isles to Central Europe. Weather will continue quiet and mainly fair with rather low to moderate day temperatures but further frost at night.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Tuesday, 5th March, 1929.	Farther Outlook.
1. S.E. England 2. E. England	Light variable winds; bright periods; local mist or fog, night and morning; rather low to moderate day temperature, frost at night.	No important change.
3. E. Midlands 4. W. Midlands	Northwesterly to variable winds, light to moderate; bright and cloudy periods, perhaps a few showers in coastal districts; local mist or fog; rather low to moderate day temperature, ground frost at night.	
5. S.W. England 6. South Wales	As 1.	
7. North Wales 8. N.W. England	Southeasterly or variable winds, fresh locally; bright periods; local morning coastal mist or fog; moderate day temperature, ground frost locally at night.	
9. N. Midlands	As 1.	
10. N.E. England 11. S.E. Scotland	As 2.	
12. S.W. Scotland & Isle of Man	As 1.	
13. A.W. Scotland ~~14. N.W. Scotland~~	As 2.	
~~14. Mid Scotland~~	As 1.	
~~15. N.E. Scotland~~	As 2.	
16. Orkneys and Shetlands		
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 5 - 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0955 G.M.T. G. C. Simpson, F.R.S., Director.



EXPLANATION.

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

WIND. Arrows fly with the wind. Number of feathers indicates Beaufort force. Mean velocity in miles per hour entered in small circles.

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS.—

○ clear sky. ◐ sky less than ½ clouded. ◑ sky ½ to ¾ clouded. ● sky more than ¾ clouded. ⊘ overcast sky. ∗ snow. ▲ hail. ● rain falling. ≡ fog. ≡ mist. ⚡ thunder. ⚡ thunderstorm.

SEA DISTURBANCE.—

Rough. Very Rough.

ISOBARS barometric change from 7h. to 7h. in half millibars is entered beneath the word for weather.

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Tuesday, 5th. MARCH 1929. No. 63.

Stations.	Height above M.S.L. in feet	Observations at 1h. G.M.T. 5th. Barom. at M.S.L. mb.	Change in 3 Hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Observations at 7h. G.M.T. 5th. Barom. at M.S.L. mb.	Change in 3 Hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Rain 0-9
Lerwick	54	1014·4	-1	NW	3	cyp	42	85	7	1500	C.Nb	5	A.St	8	1014·6	0	N	3	c	41	75	9	1500	Cu	6	A.Cu	9	•
Stornoway	30	1022·7	-2	NW	1	c	•	•	6	•	•	•	•	10	1020·9	0	NW	1	c	45	92	6	4000	St.Cu	9	-	9	0
Wick	81	1018·9	-2	WNW	2	c	42	97	7	1500	St	8	A.St	10	1017·0	-2	NW	3	bc	40	92	8	2500	St.Cu	2	Ci.St	5	0
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1021·5	0	N	3	c	43	92	7	1500	St.Cu	9	-	9	1
Nairn	33	•	•	•	•	•	•	•	•	•	•	•	•	•	1019·9	•	W	1	bc	39	85	8	2500	Cu	4	A.Cu	7½	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	1017·3	-1	NW'W	3	b	41	92	8	2500	St.Cu	2	-	2	0
Malin Head	81	1023·1	-1	SSE	1	bc	35	97	7	5700	St.Cu	4	-	4	1021·8	-1	SSW	2	c	39	92	7	5700	St.Cu	10	-	10	0
Renfrew	29	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·5	0	N	1	mmb	28	97	4	-	-	0	-	0	1
Edinburgh (Inchkeith)	199	1020·8	-2	WSW	3	mmbc	34	92	4	800	St	3	-	3	1019·2	0	WSW	3	mmo	34	92	4	~~1500~~ 800	St	10	-	10	0
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	1019·3	0	W	2	c+	36	92	7	4000	St.Cu	9	-	9	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·9	0	-	0	bc	24	97	8	2500	St.Cu	7	-	7	1
Tynemouth	67	1020·9	-2	W	2	b/f	32	85	7	-	-	0	-	0	1018·1	-2	NNW	2	0	36	92	6	1500	Nb	10	-	10	3
Blacksod Point ...	18	1021·6	0	-	0	b	39	85	6	•	-	0	-	0	1021·3	0	E	3	b	37	85	7	•	-	0	-	0	2
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1021·7	-1	NNW	2	c	35	85	7	5700	St.Cu	8	-	9	•
Birr Castle	178	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·5	•	S	1	c	28	85	6	~~1500~~ 800	St	9	-	1	0
Holyhead	36	1021·5	-1	-	0	b	34	92	5	-	-	0	-	0	1020·7	0	-	0	mmb	35	92	4	2500	St	2	-	2	•
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·7	0	-	0	fc-	30	85	3	800	St	6	A.Cu	0	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·8	-1	-	0	fb+	21	97	2	-	-	0	-	9	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	1019·1	-1	SW	3	c	33	85	67	4000	St.Cu	9	-	6	3
Spurn Head	29	1020·7	-1	NNW	2	mbc	31	92	4	450	St	7	-	7	1018·3	-2	NW'N	3	mbc	31	92	4	1500	St	5	A.Cu	0	•
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·8	-1	NW	1	ffb	26	92	3	-	-	0	-	3	•
Cranwell	236	1023·0	-1	-	0	b	25	97	7	-	-	0	-	0	1021·0	-1	W	3	mmbc	25	92	4	4000	St.Cu	2	A.Cu	5	0
Gorleston	14	1021·7	-2	N'W	1	b	30	92	7	-	-	0	-	0	1019·2	-2	W'N	1	bc	30	92	7	4000	St.Cu	3	A.Cu	2	0
Valentia (Cahirciveen) ‡	30	1019·3	0	SE	2	b	39	97	8	-	-	0	-	0	1019·3	+2	E'S	1	b	35	85	8	4000	Cu	2	-	10	1
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·3	0	SE	3	c	41	85	8	2500	St.Cu	10	-	4	1
Pembroke (St. Ann's H.)	160	1020·5	-1	NE	2	b-	34	97	6	-	-	0	-	0	1019·8	0	E	1	bc+	32	85	6	2500	Cu	4	-	0	•
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·9	-1	W	1	FFb	23	97	1	-	-	0	-	1	•
Leafield	812	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·6	-2	NW'N	1	b	23	92	6	5700	St.Cu	1	-	1	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·6	0	-	0	b	21	97	5	5700	St.Cu	1	-	10	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·5	0	-	0	FFo	23	97	1	<150	St	10	-	10	•
London (Kew Obsy.) ...	18	•	•	•	•	•	28	•	•	•	•	•	•	•	1020·3	0	-	0	FFo	23	92	1	<150	St	10	-	10	•
Croydon	244	1021·6	-1	E	1	c+	29	97	5	1500	St	7	A.St	9	1020·2	-1	-	0	FFo	26	97	0	<150	St	10	-	10	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1019·6	-2	NW	2	b	26	92	6	-	-	0	A.Cu	2	•
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1019·3	-1	NNE	3	bc	29	75	7	5700	St.Cu	6	-	6	1
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1019·3	-2	NNW	1	bc	28	92	7	-	-	0	A.Cu	6	•
Lympne	350	1020·6	0	N'E	3	b	28	92	7	-	-	0	-	0	1019·6	0	N	3	bc	26	92	6	7200	St.Cu	2	A.Cu	3	•
Scilly (St. Mary's) ...	163	1017·3	0	ESE	5	c	41	75	7	4000	St.Cu	10	-	10	1017·0	0	SE'E	5	c	41	75	8	4000	St.Cu	9	-	9	5
Falmouth (Pendennis)	200	1018·4	-1	E	4	c	41	65	8	4000	St.Cu	10	-	10	1017·9	+1	ESE	4	bc	40	75	8	4000	Cu	7	-	7	1
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1019·2	+2	E	2	c	35	92	8	1500	St	9	-	9	1
Portland Bill	32	1019·3	0	NE	4	bc-	35	85	8	2500	St.Cu	3	-	3	1019·3	+1	NE	3	b	34	85	6	2500	St.Cu	1	-	1	0
Southampton (Calshot)	10	1020·7	0	E'N	3	b	31	85	7	-	-	0	-	0	1020·4	+1	NE'N	1	b	26	85	6	-	-	0	A.Cu	3	0
Dungeness	20	1019·9	-1	NE	1	bc	34	92	8	1500	Cu	3	-	3	1019·1	-1	N	2	Fbc	24	97	0	-	-	0	A.Cu	3	0
Guernsey (Fort George) ‖	206	1018·0	-1	E	4	bc-	37	85	4	4000	St.Cu	6	-	6	1018·0	+2	E	4	bc-	36	75	7	1500	Cu	3	-	2	0

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 3rd. to 9h. 4th.	Temperature. Max. 9h. -17h. 4th.	Rainfall.† Night 17h.-9h. 3rd.-4th.	Rainfall.† Day 9h.-17h. 4th.	Sunshine. Sunrise to 17h. 4th.	Sunshine. Sunrise to Sunset. 3rd.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	cbc	bcc	38	42	1	-	2·4	6·8
Douglas (I. o. M.) ...	c	cbc	33	42	-	-	1·7	7·4
Llandudno ...	cm.	cm.	34	42	-	-	1·4	7·7
Colwyn Bay ...	ooc	ccbb	32	41	-	-	0·1	7·3
Rhyl	cbc	bcc	30	43	-	-	1·3	7·5
Wallasey	c	cbc	35	43	-	-	3·5	4·5
Southport	bcbb	bcbb	*30	44	-	-	4·6	4·1
Blackpool	cbc	bbc	32	44	-	-	6·5	7·3
Ilkley	c	c	36	41	-	-	0·4	7·1
Cleethorpes	b	b	31	41	-	-	7·0	3·2
Skegness	coprb	b-bc	35	39	0·5	-	6·9	3·1
Aberystwyth ...	Zoc	bc	32	44	-	-	6·3	7·2
Bath	c	cbc	28	41	Trace	-	0·3	4·0
Cheltenham ‖ ...	c	cbc	30	41	-	-	0·4	2·1
Leamington Spa ...	ccb	bc	28	42	-	-	1·0	1·3
Lowestoft	cbcb	b	32	38	0·1	-	5·7	5·1
Harwich & Dovercourt	oc	bcbv	32	41	-	-	4·6	5·5
Maldon	r.c	cb	34	42	Trace	-	2·7	4·5
Southend	o	ocbcb	34	41	Trace	-	2·6	6·2

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	xbbcc	czbcb	28	44	-	-	4·0	5·9
Penzance	bcb	bc	34	48	-	-	3·7	8·2
Paignton	wom	o	28	41	-	-	0·0	7·1
Torquay	om	o	32	42	-	-	0·9	4·4
Jersey	8	8	30	43	-	-	0·6	10·3
Weymouth	bccc	ccbc	27	43	-	-	1·0	6·5
Bournemouth ...	ooco	ooco	29	42	-	-	0·4	6·9
Ventnor ...	oz	cz	34	40	-	-	0·3	5·3
Portsmouth (S'thsea)	omc	cbc	29	41	-	-	0·5	5·8
Bognor	ccbcc	bcbc	31	41	-	-	1·7	5·7
Littlehampton ...	cbc	bc	29	42	-	-	1·3	5·2
Worthing	c	c	31	40	Trace	-	0·3	5·9
Brighton	ccobc	bbcb	32	41	-	-	0·6	5·8
Eastbourne ‖ ...	o	ocbc	33	40	0·1	-	0·6	5·9
Hastings ‖	ors.c	cbcb	36	40	0·3	0·1	2·3	5·5
Folkestone	cirs	bc	34	41	1	0·1	3·8	4·8
Dover	cirs.	ob	35	40	1	Trace	2·0	6·1
Tunbridge Wells ...	oc	ocbcb	28	41	-	-	1·6	6·2
Ramsgate	cbc	bcb	35	40	0·3	-	2·9	6·9
Margate	s.c	cbcb	33	41	Trace	-	2·8	6·0
Deal	ooc	bcb	33	40	1	-	2·7	

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* Information not usually received. ‡ The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. † For code see page 1. †‡ See footnote page 1.

‖ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ‖ 12h.-9h.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24.576 Wednesday, 6th March 1929.

Observations at 13h. G.M.T. 5th

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground.
Lerwick	1015.7	+1	N'W	3	bc	43	65	8	1500	StCu	3	ACu	6	•
Stornoway	1021.7	+1	N	1	bc-	50	75	8	4000	Cu	7	-	7	•
Wick	1019.0	+1	WNW	3	c	44	85	8	1500	CuNb	6	ASt	10	•
Tiree	1022.0	0	N	3	bc	46	85	8	1500	Cu	7	-	7	0
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1018.7	+1	NNW	4	c	45	75	8	2500	Cu	9	-	9	1
Malin Head	1022.6	+1	NNW	2	c	44	85	7	5700	StCu	9	-	9	•
Renfrew	1020.1	-1	W	2	b	50	65	8	4000	Cu	2	-	2	1
Edinburgh (Inchkeith)	1019.4	0	WNW	2	bc/m	45	65	7	1500	St	2	ACu	3	•
Leuchars	1018.6	0	NW	2	bc	51	65	8	2500	Cu	2	Ci	3	1
Eskdalemuir	1019.8	0	WNW	3	bc	45	65	7	4000	Cu	7	-	7	2
Tynemouth	1018.0	0	N	2	o	44	75	6	1500	Nb	10	-	10	•
Blacksod Point	1023.1	+1	-	0	b	41	65	6	*	-	0	-	0	•
Donaghadee	1021.6	0	NNW	2	c-	44	75	6	5700	StCu	5	ASt	8	•
Birr Castle	1021.5	•	S	1	bc-	45	65	8	2500	Cu	3	-	3	•
Holyhead	1021.3	0	N'W	1	b	44	65	7	1500	StCu	1	Ci	1	1
Liverpool (Bidston)	1020.5	0	WNW	4	c	41	65	5	4000	St	3	ACu	9	•
Chester (Sealand)	1020.8	0	NW	4	c+	42	65	6	4000	StCu	9	-	9	3
Harrogate	1018.4	-1	W	3	c	45	65	8	4000	StCu	9	-	9	•
Spurn Head	1017.3	0	N	4	c	40	92	7	2500	StCu	10	-	10	•
Birmingham (Edgbaston)	1019.9	-1	NW	3	c	41	65	6	-	-	0	ACu	9	3
Cranwell	1019.4	-1	NW	3	or₀r₀	39	92	4	800	St	10	-	10	1
Gorleston	1017.3	-2	NW'W	3	c	41	75	6	5700	Cu	9	-	9	•
Valentia (Cahirciveen)	1020.9	+2	SE	2	b	47	55	8	4000	Cu	1	-	1	0
Roches Point	1022.3	+1	SE	3	c	45	75	8	2500	StCu	8	-	8	•
Pembroke (St. Ann's H.)	1021.3	0	W	1	b-	42	65	6	-	-	0	Ci	2	•
Ross-on-Wye	1019.8	0	NNW	2	b	42	55	6	-	-	0	-	0	2
Leafield	1019.4	+1	NW	3	b	42	55	8	5700	StCu	1	Ci	2	3
Winchester (Worthy Dn.)	1019.8	-2	NNW	2	bc	43	45	8	-	-	0	Ci	3	1
S. Farnborough	1019.3	-2	NW	1	b	46	35	8	-	-	0	Ci	1	4
London (Kew Obsy.)	1018.9	-3	NNW	3	b	43	35	7	-	-	0	Ci	1	4
Croydon	1019.0	-3	W'N	3	mmb	42	55	4	-	-	0	-	0	1
Shoeburyness	1018.4	-1	NW	4	b	44	45	8	-	-	0	ACu	1	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Felixstowe	1018.2	-3	W'N	1	bc	42	55	8	7200	Cu	7	-	7	1
Lympne	1018.5	-2	N	3	b-	40	45	7	-	-	0	-	0	1
Scilly (St. Mary's)	1019.1	+1	E'S	4	bc-	43	75	6	4000	StCu	6	-	6	•
Falmouth (Pendennis)	1020.2	0	ENE	3	bc-	43	65	8	4000	Cu	4	-	4	•
Plymouth (Cattewater)	1020.3	0	E	3	b	43	45	8	-	-	0	Ci	1	1
Portland Bill	1019.5	0	-	0	bc	44	45	6	-	-	0	CiSt	3	•
Southampton (Calshot)	1019.3	-1	NNW	2	b	43	45	7	-	-	0	CiCu	1	4
Dungeness	1019.3	-1	SE	1	bc-	39	65	8	4000	StCu	3	ACu	5	•
Guernsey (Fort George)	1019.4	0	E'N	3	bc-	41	65	7	4000	Cu	5	-	5	•

Observations at 18h. G.M.T. 5th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea. 0-9
Lerwick	1015.8	+1	N'W	4	cjp	44	92	7	1500	CuNb	5	ACu	10	•
Stornoway	1022.8	+1	N	1	b-	45	85	8	4000	Cu	1	-	1	0
Wick	1020.1	+2	NW	1	c	44	45	8	1500	CuNb	7	ASt	9	0
Tiree	1022.1	0	N'E	4	b-	44	85	8	-	-	0	Ci	1	1
Nairn	1019.8	•	NNW	1	bc	43	85	8	1500	CuNb	7	-	7	•
Aberdeen	1019.8	+2	NNW	3	b-	42	85	7	2500	Cu	1	ACu	2	3
Malin Head	1022.5	0	NNW	3	c	45	97	8	4000	StCu	8	-	8	•
Renfrew	1020.8	+1	W	2	b	42	85	6	-	-	0	-	0	•
Edinburgh (Inchkeith)	1019.4	+1	E	2	bc	43	75	7	1500	St	1	ACu	3	0
Leuchars	1020.1	+3	NNE	2	bc+	45	75	8	2500	Cu	1	CiCu	3	
Eskdalemuir	1020.7	+1	N'W	2	b	39	75	6	4000	Cu	1	-	1	•
Tynemouth	1018.9	+1	N	2	bc	42	75	7	1500	Cu	6	-	6	2
Blacksod Point	1023.2	+1	E	3	b	43	75	7	*	Cu	2	-	2	2
Donaghadee	1021.8	0	N	2	bc-	43	75	8	5700	StCu	7	-	7	2
Birr Castle	1021.5	•	SE	2	c+	44	75	7	2500	Cu	8	-	8	•
Holyhead	1022.0	+2	NNW	1	b	40	85	6	2500	StCu	1	CiSt	2	1
Liverpool (Bidston)	1021.5	0	W	1	c	38	85	5	2500	St	2	ACu	9	•
Chester (Sealand)	1020.9	0	NW	2	c	39	85	6	2500	StCu	9	-	9	•
Harrogate	1019.9	+1	N	3	c	40	85	5	4000	Nb	9	-	9	•
Spurn Head	1017.7	0	N	4	c	38	97	6	4000	Nb	4	ACu	8	3
Birmingham (Edgbaston)	1020.7	+1	NW	3	c	39	75	5	2500	StCu	9	-	9	•
Cranwell	1019.5	+1	NW'N	3	c	38	92	6	1500	StCu	10	-	10	•
Gorleston	1016.8	0	NNW	3	or₀	40	92	6	1500	Nb	10	-	10	0
Valentia (Cahirciveen)	1021.7	+3	WSW	2	b	44	75	8	4000	StCu	1	CiCu	2	0
Roches Point	1022.8	+1	SE	3	b	42	85	8	4000	StCu	2	-	2	1
Pembroke (St. Ann's H.)	1021.5	0	N	1	bc+	38	85	7	-	-	0	CiCu	5	0
Ross-on-Wye	1020.6	+1	N	2	c	42	65	6	2500	St	10	-	10	•
Leafield	1020.1	+1	NNW	3	mmo	39	75	4	4000	St	10	-	10	•
Winchester (Worthy Dn.)	1019.9	+2	NNW	1	c	40	65	7	4000	StCu	9	-	9	•
S. Farnborough	1019.4	+1	NW	1	c	42	65	6	4000	StCu	10	-	10	•
London (Kew Obsy.)	1019.5	+2	NW	1	c-	41	65	5	2500	StCu	8	ASt	10	•
Croydon	1019.1	+1	NW'N	2	mc/r₀	41	75	4	1500	St	10	-	10	•
Shoeburyness	1018.7	+1	NW'N	3	cr₀	39	92	6	1500	StCu	9	-	9	•
Clacton-on-Sea	1018.2	-1	NW	3	c	40	85	6	5700	StCu	8	-	8	1
Felixstowe	1018.3	+2	NW	1	mmc	39	92	4	1500	St	9	-	9	0
Lympne	1018.5	+1	NW'N	3	c+	38	75	6	4000	StCu	10	-	10	•
Scilly (St. Mary's)	1020.2	+1	E'S	2	bc	42	75	7	4000	Cu	5	-	5	2
Falmouth (Pendennis)	1021.4	+1	-	0	bc	40	55	8	4000	Cu	3	-	3	0
Plymouth (Cattewater)	1020.6	+2	SW	2	b	41	55	7	-	-	0	Ci	1	0
Portland Bill	1019.8	0	W	2	b	40	65	6	-	-	0	Ci	2	0
Southampton (Calshot)	1020.3	+2	N	2	c	42	55	6	4000	StCu	9	-	8	0
Dungeness	1018.4	0	WNW	1	c+	37	85	6	800	St	10	-	10	1
Guernsey (Fort George)	1020.6	+2	E	2	b-	38	55	9	-	-	0	ACu	1	0

London Observations. Day: 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. Day °F.	Temp. Min. Night °F.	Temp. Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 13h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility §
		24 Hours ended 9h.								Yesterday.		To-day.	
Kew	18	bfxby	bccm₀	cam₀	44	39	35	-	-	5.7	*	*	5
Croydon	244	bffxby	bp,czc	om	44	37	35	Tr.	-	4.0	*	*	4
Greenwich (Royal Obsy.)	149	Ff₀fzx	bf₀dzf	cfd,cf	45	38	34	Tr.	Tr.	1.9	53	76	4
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	2.9	*	-	•
Westminster (St. James' Pk.)	37	*	*	*	47	36	33	-	-	2.9	85	74	•
Regent's Pk. (Botanic Gdns).	168	*	*	*	*	*	*	*	*	4.0	*	*	•
Camden Square	110	xbfb	bc	*	46	30	*	-	-	*	*	81	•
Kensington Palace	80	bc	bc	*	44	39	35	-	-	*	(At 18h) 43	73	*
Hampstead Observatory	450	*	*	*	45	34	30	0.3	Tr.	6.3	*	88	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 6th

South Kensington

Max.	Time.	Min.	Time.
Defective record.			

Kew Observatory

Max.	Time.	Min.	Time.
0.6	10h 5th	0.1	13h 5th

Pole Star Record at Greenwich Obsy.

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

Stars.	Exposure h. m.	Record h. m.	Record %
Polaris	10 45	Nil	Nil
δ Ursæ Minoris	10 45	Nil	Nil

Code for State of Ground.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

Table showing the Greenwich Times of Sunrise, Noon, and Sunset.

6th–7th March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.32 / 6.29	12.5 / 12.4	17.39 / 17.40
Greenwich	6.37 / 6.35	12.12 / 12.11	17.47 / 17.49
Wick	6.59 / 6.55	12.24 / 12.24	17.51 / 17.53
Valentia	7.19 / 7.16	12.53 / 12.52	18.27 / 18.29

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy.
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening skies.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♆ = lunar halo.
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; − = has decreased; + = has increased.

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

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

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

§ Telegraphic Code for Surface Visibility.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 „
2. Fog.	550 „
3. Moderate fog.	1,100 „
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ „
6. Moderate.	6¼ „
7. Good.	12½ „
8. Very good.	31 „
9. Excellent visibility, beyond 31 m.	

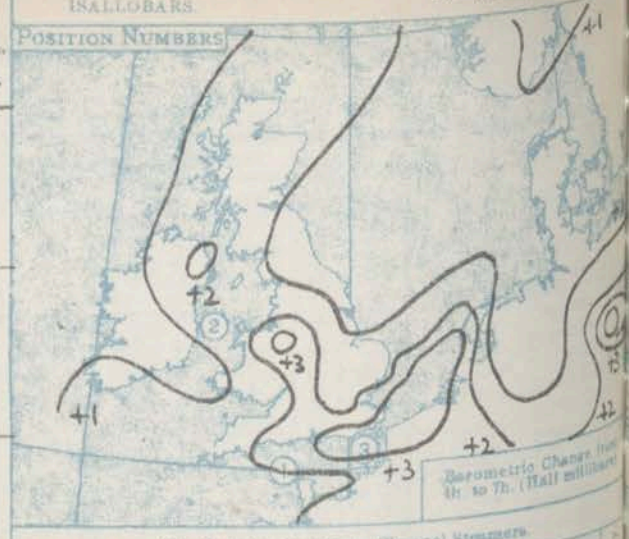
† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-18h. 5h	Weather. 18h.-18h. 5h	Weather. 18h. 5h to 1h. 6h	Weather. 1h.-7h. 6h	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Day. 7h.-18h. began.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Night. 18h.-7h. began.	Sun 5h Hours.
Lerwick	cbc	bccipr.	cipr.c	c	46	41	•	Tr	16.30	0.2	<21.00	3.7
Stornoway	c	b-bc	bbc	od.m	50	38	•	–	–	0.3	3.30	5.3
Wick	o	c	bbc	c	45	43	•	–	–	–	–	•
Tiree	cdc	cbcb	b	b	48	38	29	–	–	–	–	7.3
Nairn	bcbbc	bbc	bc	bc	48	40	•	–	–	–	–	7.7
Aberdeen	bbcc	cbcb	b	bbc	46	41	36	–	–	–	–	2.5
Malin Head	c	cbrce	cbcbc	bx	46	35	•	–	–	–	–	0.7
Renfrew	cffbcb	by	bm.x	bm.x	53	24	19	–	–	–	–	7.3
Edinburgh (Inchkeith)	ohmcbcm	b-bc	bcb	bbccm.	46	35	27	–	–	–	–	8.5
Leuchars	cbc	bcybybc	bbc	bbcx	55	35	29	–	–	–	–	9.3
Eskdalemuir	cxbc	bcbz.	bbx	bx	48	21	19	–	–	–	–	4.5
Tynemouth	o	obc	bc	bcc	45	37	33	–	–	–	–	•
Blacksod Point	bz	b	bo	b	48	38	•	–	•	–	•	•
Donaghadee	cm.	cbc	bm.x	bmmx	44	30	•	–	–	–	–	•
Birr Castle	cbc	bcc	c	om.	47	26	16	–	–	–	–	7.6
Holyhead	mmcm.bz.	b,cbcb	bmWxm	bmbm.	46	34	30	–	–	Tr.	–	5.1
Liverpool (Bidston)	ccz.	ccz.	bmbc	bcc	41	35	29	–	–	–	–	2.5
Chester (Sealand)	bxfbcz.	bm.	bbmbcm	cmm.x	43	31	27	–	–	–	–	2.1
Harrogate	cbcc	cr.c	c	c	45	36	32	Tr	13.30	–	–	1.4
Spurn Head	cmcpdc	c	bcpmcpd	oc	42	36	•	Tr	11.00	Tr.	<21.00	0.4
Birmingham (Edgbaston)	fmbc	c	c	co	43	35	33	–	–	–	–	2.5
Cranwell	bcmor.	id.m.	cm.	cmo	41	35	34	0.1	11.00	–	–	0.0
Gorleston	bcm.	corcm.	or.bcc	oir.c	42	35	34	0.5	13.30	0.4	<21.00	2.1
Valentia (Cahirciveen)	by	by	b	bx	51	29	26	–	–	Tr.	–	9.1
Roches Point	c	cbcb	bW	bbccz.w	46	33	•	–	–	Tr.	–	•
Pembroke (St. Ann's H.)	bcbm	bbc	bcb	bbcm	44	33	•	–	–	–	–	9.5
Ross-on-Wye	fxbfbz.	bybcyc	coc	cbcc	45	32	25	–	–	–	–	5.8
Leafield	b	bcc	c	cb.	42	33	31	Tr	–	Tr.	4.30	6.4
Winchester (Worthy Dn.)	bm.xby	bybcc	cm.	bm.	45	32	28	–	–	–	–	9.2
S. Farnborough	oxffbcfby	b,cyz.	cor.om.	om	47	36	34	–	–	Tr.	<21.00	5.4
London (Kew Obsy.)	ofxby	bccm.	com.	cm.	44	39	35	–	–	–	–	5.7
Croydon	ofFxby	bz.czc	om	om	44	37	35	Tr	17.30	–	–	4.0
Shoeburyness	bm.by	bbcc	cr.	cr.cm.	47	34	32	Tr	17.30	Tr.	5.30	5.8
Clacton-on-Sea	bcxby	bybccm	cmog	ogcbc	44	34	30	–	–	–	–	5.8
Felixstowe	bcccz.by	cz.r.r	cz.	cr.r.m.	43	34	30	0.1	15.30	0.1	24.00	5.7
Lympne	bcfb	bycz.	cod.m.	cpr.m.	42	34	31	0.2	<8.00	Tr.	24.00	6.8
Scilly (St. Mary's)	c	bc	bcb	b	45	35	•	–	–	–	–	5.5
Falmouth (Pendennis)	bc	bc	bcbz.	bbcz.	43	31	•	–	–	–	–	7.7
Plymouth (Cattewater)	cby	by	by	bz.	48	28	20	–	–	–	–	9.7
Portland Bill	bbcr.	bcbz.	bcbcz.	bccz.	45	38	•	–	–	–	–	•
Southampton (Calshot)	bxm.by	by,cym	c	c	46	37	35	–	–	–	<21.00	8.7
Dungeness	bccfbc	bccc	bccr.omm	cir.	41	34	•	–	–	0.1	24.00	•
Guernsey	bcebc	bcbvv	bbw	bmff.x	42	36	•	–	–	–	–	8.5

ISALLOBARS.

POSITION NUMBERS



6th March

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	5th 10h	Cambria	E/N	2	c	42	46
1	" 10h	St. Julien	E	3	bc+	42	46

GENERAL INFERENCE.

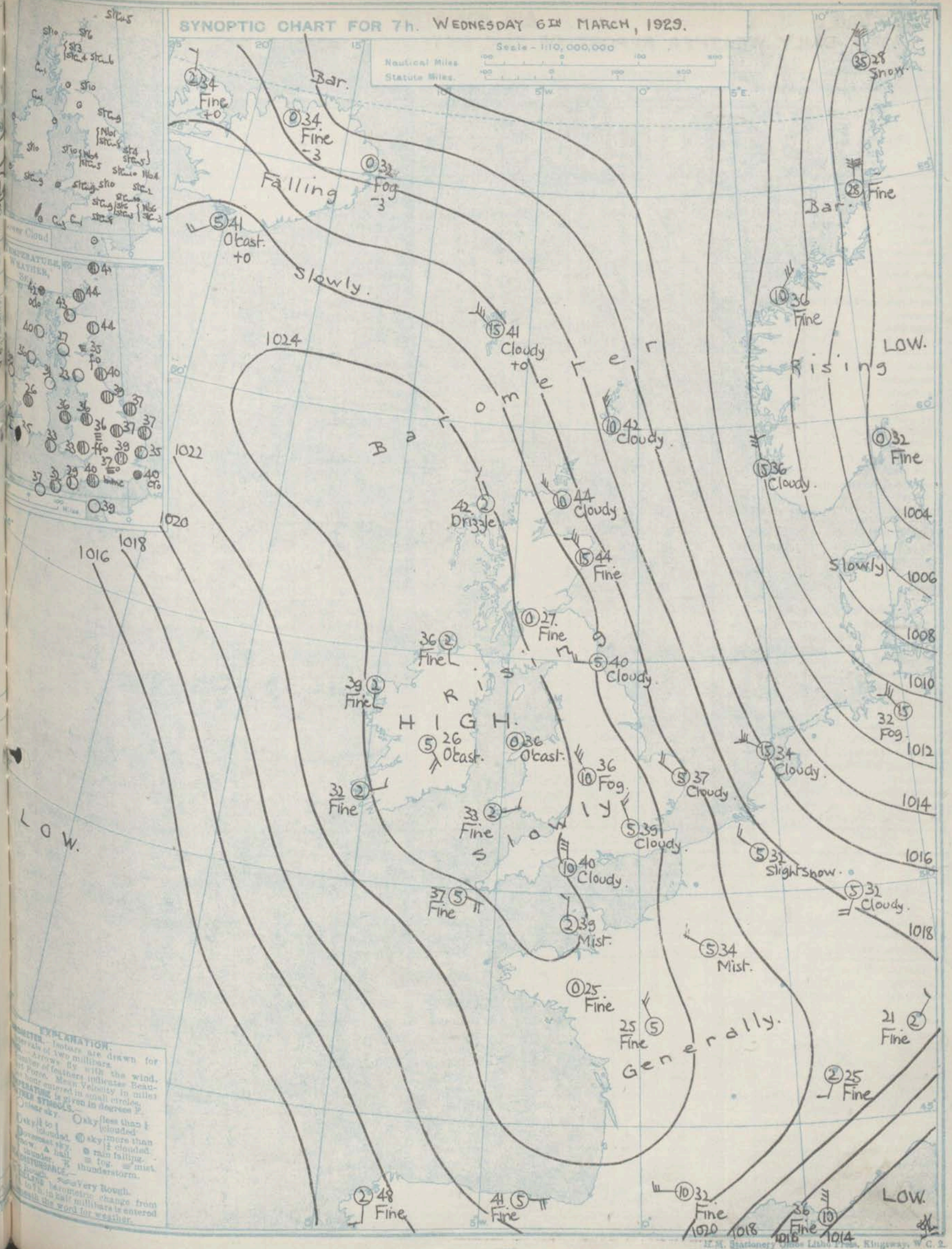
An anticyclone covering the British Isles will maintain quiet and mainly fair weather with moderate day temperatures but frost locally at night.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Wednesday, 6th March, 1929.	Further Outlook
1. S.E. England 2. E. England 3. E. Midlands	Northwesterly or variable winds, mainly light to moderate; fair; local mist or fog, night and morning; moderate day temperature, ground frost locally at night.	
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Variable to southeasterly or southerly winds, light, freshening; bright periods at first, cloudy later; local morning mist or fog; moderate day temperature, ground frost locally at night.	No important change.
10. N.E. England 11. S.E. Scotland	As 1 - 3.	
12. S.W. Scotland & Isle of Man	As 4 - 9.	
13. A. W. Scotland B. N.W. Scotland 14. Mid-Scotland	Variable winds, light or moderate; cloudy periods, occasional local rain; moderate temperature.	
15. N.E. Scotland	As 1 - 3.	
16. Orkneys and Shetlands	As 13B.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Southerly or variable winds, light to fresh; bright and cloudy periods; perhaps some local drizzle tomorrow, local morning mist; moderate day temperature, frost locally at night.	

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

† For code see page 1

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



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Wednesday, 6th March 1929. No. 65

Stations	Height above M.S.L. in feet	Observations at 1h. G.M.T. 6th: Barom. at M.S.L. mb.	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10	Observations at 7h. G.M.T. 6th: Barom. at M.S.L. mb.	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10	Sun 0-1
Lerwick	84	1015.5	0	NW	3	c	42	85	8	1500	Cu	5	Ast	9	1016.5	+1	NW	3	c	42	75	8	1500	Stra	6	Ast	10	0
Stornoway	30	1024.2	0	-	0	c+	*	*	6	*	*	*	*	10	1024.2	+1	NW	1	od.	42	92	5	1500	St	10	-	10	0
Wick	31	1019.7	-1	WNW	3	bc	44	97	8	2500	Stra	4	Ast	6	1020.6	+1	WNW	3	c	44	92	8	800	St	6	Ast	9	1
Tiree	32	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.7	+1	N	3	b	40	97	9	2500	Cu	1	-	1	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.0	*	WNW	1	bc	43	75	8	1500	Stra	7	-	7	0
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	1020.6	+1	NW	4	bc	44	85	8	2500	Stra	6	Ci	6	0
Malin Head	81	1024.2	+1	NW	1	b	42	97	8	-	-	0	-	0	1024.8	+1	S	1	b	36	97	8	4000	Cu	1	-	1	0
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.9	+1	-	0	b	27	97	5	-	-	0	-	0	*
Edinburgh (Inchkeith)	190	1022.4	0	W	3	b	36	92	7	800	St	2	-	2	1023.4	0	WSW	3	So	35	85	3	220	St	10	-	10	1
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.8	+1	WSW	2	bc	37	85	8	-	-	0	Ci	3	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.2	+1	-	0	b	23	97	8	-	-	0	Ci	1	1
Tynemouth	67	1021.8	+2	NW	2	bc+	38	85	7	1500	Cu	5	-	5	1021.8	0	W	2	c	40	75	6	4000	Stra	9	-	9	1
Blacksod Point	18	1024.4	+1	-	0	c	42	86	6	-	-	0	Ast	10	1025.1	0	S	1	b	39	85	8	*	-	0	-	0	1
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.0	+1	NW	1	mmb	31	97	4	-	-	0	-	0	*
Birr Castle	178	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.4	*	SE	2	o	26	92	6	800	St	10	-	10	0
Holyhead	33	1023.8	+1	SEE	1	sb-	37	97	4	-	-	0	-	0	1024.7	+2	-	0	o	36	97	5	2500	St	10	-	9	*
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.7	+2	NWW	3	c+	36	92	7	2500	Stra	9	-	9	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.0	+3	NWW	2	c+	37	92	6	1500	St	9			
Harrogate	476	*	*	*	*	*	*	*	*	*	*	*	*	*	1022.6	0	SWW	3	c	39	85	8	4000	Stra	9	-	9	3
Spurn Head	29	1020.0	0	NW	3	o/d	37	97	7	2500	Nb	10	-	10	1020.4	0	NW	6	c	37	92	6	1500	Stra	9	-	9	*
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.6	+2	NW	3	SSO	36	97	3	800	St	10	-	10	*
Cranwell	250	1021.7	+1	NW	3	c	37	92	6	1500	St	10	-	10	1022.4	+1	WNW	3	c	37	85	6	2500	Stra	10	-	10	0
Gorleston	14	1019.5	+2	NWN	3	o/r.	38	92	7	2500	Nb	10	-	10	1020.0	+1	NWW	2	c	37	97	6	2500	Nb	4	Ast	10	0
Valentia (Cahirciveen) ‡	30	1022.5	0	S	1	b	38	97	8	-	-	0	-	0	1023.5	+1	EN	1	b	32	85	8	-	-	0	-	0	1
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.1	+1	N	2	c	35	97	7	1500	Stra	9	-	9	0
Pembroke (St. Ann's H.)	150	1022.8	+1	NNE	1	b	35	97	6	-	-	0	-	0	1024.3	0	ENE	1	bc+	33	97	6	-	-	0	Cirus	4	*
Ross-on-Wye	233	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.3	+1	W	1	c+	33	92	7	4000	Stra	9	-	9	*
Leafield	512	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.9	+2	NW	3	c	34	92	6	4000	Stra	9	-	9	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.8	+2	NWW	2	c	33	97	5	2500	Stra	10	-	10	*
S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.3	+2	-	0	mmc	37	85	4	800	St	9	-	10	*
London (Kew Obsy.)	18	*	*	*	*	*	40	*	*	*	*	*	*	*	1023.0	+2	NNW	2	c	39	75	5	1500	Stra	10	-	10	*
Croydon	244	1021.5	+1	NWN	2	mmo	39	85	4	1500	St	10	-	10	1022.9	+2	NWW	2	mmo	37	85	4	800	St	10			
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1022.4	+3	NNW	1	c+	35	97	6	1500	Nb	6	Ac	8	2
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.9	+2	NW	4	bc	36	92	6	4000	Stra	2	Ac	6	1
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.6	+3	NWN	1	c/r	36	92	5	800	St	9	-	9	*
Lympne	350	1020.4	+2	NNW	3	c/d	37	92	5	800	St	9	-	9	1022.1	+3	NNW	3	cd.	35	97	6	800	St	10	-	10	*
Scilly (St. Mary's)	162	1022.4	0	E	3	b	39	65	7	-	-	0	-	0	1023.3	+1	ES	2	b	37	85	7	-	-	0	-	0	1
Falmouth (Pendennis)	200	1022.9	+1	-	0	b	33	75	6	-	-	0	-	0	1024.6	+1	NE	2	bc	32	85	6	4000	Cu	3	-	3	0
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.8	+2	-	0	b	29	85	6	4000	Cu	1	-	1	0
Portland Bill	32	1021.6	+1	NNW	3	bc	41	65	6	2500	Stra	3	-	3	1023.3	+2	N	3	c+	40	75	6	2500	Stra	8	Ast	10	0
Southampton (Calshot)	10	1022.1	+1	NW	3	c	39	75	6	2500	Stra	10	-	10	1023.7	+3	NNW	3	c	37	85	6	4000	Stra	10	-	9	1
Dungeness	20	1020.3	+2	NNW	2	o/m	38	85	6	800	St	10	-	10	1022.1	+3	NNW	1	cr.	~~40~~ 36	92	6	800	Nb	0	-	0	0
Guernsey (Fort George) ‡	295	1022.6	+1	-	0	b-	35	85	6	-	-	0	-	0	1024.2	+2	N	1	mmb	39	85	4	-	-	0	-		

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

Stations	Weather Forenoon	Weather Afternoon	Temperature Min. 9h. 4th to 9h. 5th	Temperature Max. 9h. -17h. 5th	Rainfall† Night 17h.-9h. 4th-5th	Rainfall† Day 9h.-17h. 5th	Sunshine Sunrise to 17h. 5th	Sunshine Sunrise to Sunset 4th
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	cbc	bcb	32	43	-	-	4.2	2.4
Douglas (I. o. M.)	xcbc	bcc	30	46	-	-	5.7	2.0
Llandudno	bcb	bbc	26	44	-	-	7.1	1.4
Colwyn Bay	bbcb	bbcc	28	47	-	-	2.7	0.1
Rhyl	b	bc	24	44	-	-	5.4	1.3
Wallasey	xfbc	c	26	41	-	-	1.8	3.5
Southport	bccc	cbc	* 25	40	-	-	0.3	4.6
Blackpool	co	oc	27	40	-	-	1.2	5.8
Ilkley	c	c	25	47	-	-	0.8	0.4
Cleethorpes	fo	o	27	44	-	-	0.0	7.0
Skegness	xco	obd	26	43	Trace	Trace	0.0	7.2
Aberystwyth	xbc	bbcz	27	42	-	-	9.3	6.3
Bath	b	bbc	23	45	-	-	9.0	0.3
Cheltenham‡	bx	bbcom	22	43	-	-	7.0	0.4
Leamington Spa	cm	cm	20	44	-	-	0.4	1.0
Lowestoft	cbcb	crc	28	42	-	0.3	3.1	5.7
Harwich & Dovercourt	xbc	bcocr	27	44	-	Trace	5.0	4.6
Maldon	xcb	bbcpo	25	43	Trace	Trace	4.8	2.7
Southend	b	bcor	26	47	0.2	Trace	5.8	2.6

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	xbz	bbc	30	45	-	-	9.6	4.0
Penzance	cb	b	38	46	-	-	4.3	3.7
Paignton	bz	by	34	44	-	-	8.8	0.0
Torquay	bm	bby	34	46	-	-	9.5	0.0
Jersey	b	b	32	44	-	-	9.5	0.6
Weymouth	b	b	29	48	-	-	9.6	1.0
Bournemouth	b	b	24	47	-	-	9.5	0.4
Ventnor	xbz	bz	30	44	-	-	9.7	0.3
Portsmouth (S'thea)	b	b	28	46	-	-	9.7	0.5
Bognor	b	b	27	43	-	-	9.6	1.7
Littlehampton	b	b	26	45	-	-	8.4	1.3
Worthing	b	b	26	44	Trace	-	7.9	0.3
Brighton	b	b	28	41	-	-	8.9	0.6
Eastbourne	bcb	bbc	29	43	-	-	7.7	0.6
Hastings‖	xbcmb	bbcmc	28	42	0.3	-	5.5	2.3
Folkestone	xbc	bcc	29	43	-	-	8.0	3.8
Dover	bc	bcc	30	43	-	-	9.4	2.0
Tunbridge Wells	ombcb	bbccm	27	42	-	-	4.7	1.6
Ramsgate	b	bbcc	31	44	-	-	9.0	2.9
Margate	xbc	bcc	32	42	-	-	9.0	2.9
Deal	b	bbo	29	45	-	-	8.4	2.7

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

* Information not usually received. ‡ The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. ‖ For code see page 1. †‡ See footnote page 1.

† At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ‖ 17h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B24577 Thursday 7th March 1929. Page 1.

Observations at 13h. G.M.T. 6th

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1019.6	+2	NNW	3	c	41	92	7	1500	StCu	5	ASt	10	•
Stornoway	1025.2	+2	N	1	c	47	85	7	1500	Nb	9	–	9	•
Wick	1022.5	+1	WNW	3	c	47	85	8	1500	CuNb	7	ASt	9	•
Tiree	1025.9	+1	N'E	3	c	46	85	9	1500	CuNb	8	–	8	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1022.4	+3	NNW	4	c	47	85	8	2500	Cu	9	–	9	1
Malin Head	1025.9	+2	NNW	2	b	45	75	8	–	–	0	–	0	•
Renfrew	1023.6	0	WSW	2	b	47	75	6	–	–	0	–	0	1
Edinburgh (Inchkeith)	1022.7	0	W	2	ffbc	47	65	3	220	St	4	–	4	•
Leuchars	1022.6	+1	WNW	2	b	53	55	8	4000	Cu	1	Ci	1	1
Eskdalemuir	1023.2	0	SW	4	b	49	65	7	–	–	0	Ci	1	2
Tynemouth	1023.3	+1	NNE	2	bc	45	75	8	1500	Cu	4	–	4	•
Blacksod Point	1025.5	0	SE	1	b	46 [47]	65	8	•	–	0	–	0	•
Donaghadee	1025.0	+1	ESE	1	b	47	75	6	–	–	0	–	0	•
Birr Castle	1024.9	•	S	1	bc-	48	65	8	2500	Cu	3	–	3	•
Holyhead	1026.0	+1	SW'W	1	b-	48	65	8	1500	StCu	1	–	1	1
Liverpool (Bidston)	1025.6	0	W'N	4	b-	43	75	6	–	–	0	–	0	•
Chester (Sealand)	1025.3	0	NNW	3	b	47	75	6	–	–	0	–	0	1
Harrogate	1023.4	+1	SW	4	b	49	65	8	–	–	0	ACu	1	•
Spurn Head	1022.5	+1	NNE	5	c	43	75	7	4000	StCu	9	–	9	•
Birmingham (Edgbaston)	1025.3	0	NW	3	c	46	65	5	4000	StCu	8	–	8	2
Cranwell	~~1024.8~~ 1023.8	+2	N'W	3	c-	49	75	6	4000	StCu	8	–	8	1
Gorleston	1021.1	+2	NW'N	4	or₀	44	85	6	2500	Nb	10	–	10	•
Valentia (Cahirciveen)	1023.7	-1	SE'S	3	b	52	55	8	–	–	0	CiCu	1	0
Roches Point	1026.2	0	SE	3	c	45	85	8	4000	StCu	9	–	9	•
Pembroke (St. Ann's H.)	1025.7	0	ENE	1	b-	46	75	7	–	–	0	–	0	•
Ross-on-Wye	1025.5	+1	N	2	b	47	65	8	4000	Cu	1	–	1	2
Leafield	1025.0	+1	NW'N	4	c	45	65	8	4000	StCu	9	–	9	2
Winchester (Worthy Dn.)	1024.9	-1	NW	3	c	46	65	7	4000	StCu	8	–	8	1
S. Farnborough	1024.7	0	NNW	3	c+	48	65	6	2500	StCu	10	–	10	1
London (Kew Obsy.)	1024.5	+1	NW	2	c	47	65	6	2500	StCu	4	ACu	8	1
Croydon	1024.2	0	NNW	2	c+	45	65	5	2500	St	10	–	10	2
Shoeburyness	1023.7	+2	NW	2	c	45	85	7	2500	Cu	8	–	8	•
Clacton-on-Sea	•	•	•	•		•	•	•	•	•	•	•	•	•
Felixstowe	1023.1	+1	NNW	3	c r₀	45	85	7	1500	StCu	8	ASt	10	1
Lympne	1023.3	0	NNW	4	c r₀	45	75	6	1500	StCu	7	ACu	9	1
Scilly (St. Mary's)	1024.6	+1	SE'S	3	b	49	75	7	4000	Cu	2	–	2	•
Falmouth (Pendennis)	1025.6	+1	SE	2	b	47	75	7	–	–	0	–	0	•
Plymouth (Cattewater)	1025.7	0	SW	1	b	49	65	6	–	–	0	–	0	1
Portland Bill	1025.5	+2	N	2	bc-	47	65	6	2500	StCu	6	–	6	•
Southampton (Calshot)	1025.1	-1	NNW	3	bc-	45	65	6	2500	StCu	3	–	3	0
Dungeness	1023.9	+1	NNW	2	c-	47	97	7	2500	StCu	6	ACu	8	•
Guernsey (Fort George)	1026.0	+1	ENE	2	bc+	46	75	5	2500	Cu	3	–	3	•

Observations at 18h. G.M.T. 6th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1021.9	+2	NW	2	c	41	85	8	1500	StCu	5	ASt	10	•
Stornoway	1025.7	+1	–	0	o+	45	85	7	2500	St	10	–	10	0
Wick	1024.6	+3	NW	2	c	45	92	8	1500	StCu	6	ASt	8	0
Tiree	1025.6	0	N'E	3	b	44	92	9	–	–	0	–	0	1
Nairn	1025.6	•	ENE	1	bc-	44	75	8	1500	St	4	–	4	•
Aberdeen	1024.9	+3	NW	2	b	44	85	7	4000	StCu	1	ACu	2	0
Malin Head	1026.2	+1	N	2	c+	43	92	8	1500	St	7	ACu	8	0
Renfrew	1025.3	+3	–	0	b	42	85	6	–	–	0	–	0	•
Edinburgh (Inchkeith)	1024.6	+2	NE	2	mmbc	45	75	4	220	St	4	–	4	0
Leuchars	1024.7	+3	SE	1	b-	44	85	7	–	–	0	CiCu	1	•
Eskdalemuir	1026.6	+4	S'E	1	ffo	36	97	2	<150	St	10	–	10	•
Tynemouth	1025.0	+1	N	1	bc-	43	85	6	1500	Cu	3	–	3	2
Blacksod Point	1024.0	-1	–	0	b	46	75	8	•	–	0	–	0	0
Donaghadee	1025.5	+1	SE	1	FFb	39	97	1	–	–	0	–	0	1
Birr Castle	1024.5	•	S	1	bc	50	75	8	2500	Cu	3	–	3	•
Holyhead	1026.6	+2	SW'S	1	b	41	85	6	–	–	0	Ci	1	0
Liverpool (Bidston)	1026.7	0	N'W	1	bc	40	92	5	–	–	0	ASt	3	•
Chester (Sealand)	1026.7	0	NW	2	b	40	85	6	–	–	0	–	0	•
Harrogate	1025.5	+3	SW	3	b	38	85	7	–	–	0	ACu	1	•
Spurn Head	1023.9	+1	N'E	4	bc	40	92	7	5700	StCu	4	–	4	3
Birmingham (Edgbaston)	1026.1	+1	NNW	2	b-	44	75	5	–	–	0	–	0	•
Cranwell	1025.8	+3	NW	2	c+	38	92	5	4000	StCu	9	–	9	•
Gorleston	1023.6	+2	N'W	4	c	44	85	6	4000	Cu	9	–	9	1
Valentia (Cahirciveen)	1023.7	+1	SE'E	3	bc	47	65	8	–	–	0	CiCu	4	0
Roches Point	1025.8	-1	SE	2	b	45	85	8	4000	StCu	2	–	2	1
Pembroke (St. Ann's H.)	1025.8	0	SSW	1	b	43	75	7	–	–	0	CiSt	2	0
Ross-on-Wye	1025.8	+1	SW'W	2	b	45	75	5	–	–	0	–	0	•
Leafield	1026.1	+1	WNW	2	b-	41	75	7	–	–	0	CiSt	1	•
Winchester (Worthy Dn.)	1026.1	+2	NW'W	1	c	42	75	8	4000	StCu	8	–	8	•
S. Farnborough	1026.0	+2	WNW	1	c	45	65	6	4000	StCu	9	–	9	•
London (Kew Obsy.)	1026.1	+3	–	0	mc	46	75	4	2500	StCu	9	–	9	•
Croydon	1025.9	+3	E'N	2	mc+	44	75	4	2500	StCu	9	–	9	•
Shoeburyness	1025.9	+3	NW	2	c	42	85	6	1500	StCu	9	–	9	•
Clacton-on-Sea	1024.0	+2	WNW	4	c	45	75	6	4000	StCu	10	–	10	2
Felixstowe	1025.0	+3	NW'N	2	bc+	42	75	7	2500	StCu	7	–	7	1
Lympne	1024.9	+3	N	3	bc-	42	75	6	2500	StCu	6	–	6	•
Scilly (St. Mary's)	1025.1	0	SSE	3	b	44	75	7	4000	Cu	2	–	2	1
Falmouth (Pendennis)	1026.1	0	–	0	bc+	44	85	7	4000	StCu	5	–	5	0
Plymouth (Cattewater)	1026.6	+2	ESE	2	b	43	75	7	–	–	0	Ci	1	0
Portland Bill	1025.9	+1	SW	1	b	43	92	6	2500	StCu	2	–	2	1
Southampton (Calshot)	1026.8	+3	NW'N	3	c+	44	75	6	4000	StCu	9	–	9	0
Dungeness	1025.3	+3	NNE	2	c	45	75	8	2500	StCu	8	CiSt	10	2
Guernsey (Fort George)	1026.8	+1	–	0	b-	42	92	6	–	–	0	–	0	0

London Observations. Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning (24 hours ended 9h)	Weather Afternoon	Weather Night	Temp. Max. Day °F.	Temp. Min. Night °F.	Temp. Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 13h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility§
Kew	18	CbcZ₀	CZ₀	bm,xf	49	33	23	–	–	2.4	•	•	2
Croydon	244	ofmbc	CZ	Cbcmf	48	33	24	–	–	1.1	•	•	3
Greenwich (Royal Obsy.)	149	bczy	czy	cf bc/o	52	36	26	–	–	2.5	58	86	3
City (Bunhill Row)	20	•	•	•	•	•	•	•	•	0.4	•	•	•
Westminster (St. James' Pk.)	37	•	•	•	50	40	35	–	–	1.9	72	94	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	1.9	•	•	•
Camden Square	110	bc	c	•	49	35	•	–	–	•	•	89	•
Kensington Palace	80	bc	co	•	48	37	27	–	–	•	(At 18h 7th)	91	•
Hampstead Observatory	450	•	•	•	48	36	23	–	–	1.9	•	86	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 7h. G.M.T. 7th

South Kensington

Max.	Time.	Min.	Time.
Defective record.			

Kew Observatory

Max.	Time.	Min.	Time.
0.5	1h 7th	0.1	7h 6th

Pole Star Record at Greenwich Obsy.

Exposure from 6th 18 h 45 m. to 7th 5 h 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	10 45	1 8	12
δ Ursae Minoris	10 45	0 22	3

Code for State of Ground.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice or roads from frozen rain or melted snow).

Table showing the Greenwich Times of Sunrise, Noon, and Sunset.

7th & 8th March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.29 6.27	12.4 12.4	17.40 17.42
Greenwich	6.35 6.33	12.11 12.11	17.48 17.50
Wick	6.55 6.52	12.24 12.23	17.53 17.56
Valentia	7.16 7.14	12.52 12.52	18.29 18.31

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy

d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—2000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♅ = lunar halo.
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; – = has decreased; + = has increased.

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.

§ Telegraphic Code for Surface Visibility.

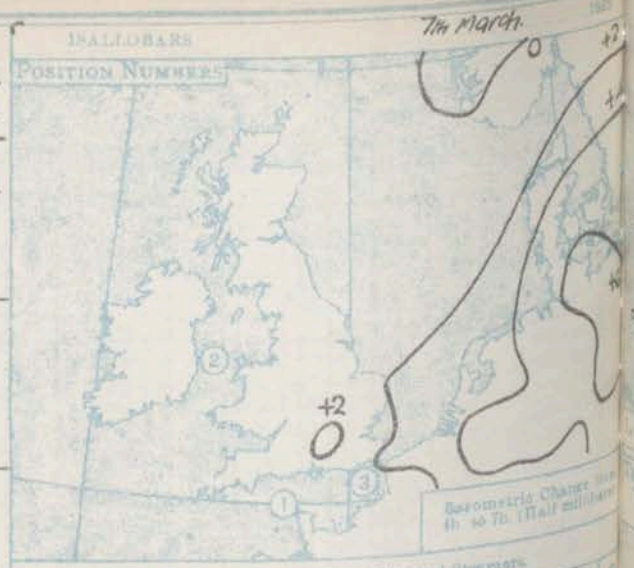
	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-18h. bftt	Weather. 18h.-18h. bftt	Weather. 18h. bftt to 1h. Nt.	Weather. 1h.-7h. Nt.	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min on Grass	Rainfall† Day. 7h.-18h. mm	Rainfall† Day. 7h.-18h. began.	Rainfall† Night. 18h.-7h. mm.	Rainfall† Night. 18h.-7h. began.	Sun bftt Hours.
Lerwick	c	c	bcc	c	43	39	•	–	–	–	–	0.5
Stornoway	od.mc	co	c	F	47	34	•	0.2	<8.00	–	–	12.3
Wick	c	c	bbc	bbc	48	36	•	–	–	–	–	•
Tiree	bbcc	cbcb	bbc	bcc d.	48	33	22	–	–	Tr.	2.30	6.1
Nairn	bcbc	bc	bxb	bx	50	29	•	–	–	–	–	6.5
Aberdeen	oi.r.c	cbcb	b	bx	48	30	23	Tr	9.00	–	–	1.6
Kalin Head	b	bcc	cbcbx	b	46	35	•	–	–	–	–	3.7
Renfrew	bfbz.	bz.	bzff	Ffe	50	30	25	–	–	–	–	7.9
Edinburgh (Inchkeith)	ocbcff	bcffmm	bcm.m.	cmmofse	51	31	27	–	–	Tr.	3.30	8.3
Leuchars	bcb, by	byb	b	b bmx	55	31	24	–	–	Tr.	–	9.4
Eskdalemuir	bxb	bof	ofofe	ofeofex	50	24	24	–	–	–	–	8.4
Tynemouth	cbc	bc	bcff	bcff	52	31	27	–	–	–	–	•
Blacksod Point	b	b	b	bbc	48	39	•	–	•	–	•	•
Donaghadee	bmm.	bFF	ffifse	bifem.	47	32	•	–	–	–	–	•
Birr Castle	obc	bc	bc	bc	51	35	23	–	–	–	–	7.7
Holyhead	om.cbcb	b	bmwx,f	bm.x	48	33	28	–	–	Tr.	–	7.4
Liverpool (Bidston)	cm.b	pbz.	cm.cm	Of Fe	44	33	24	–	–	0.1	3.30	5.3
Chester (Sealand)	cm.bcbz	bz.	bmbmx	cmxof	48	25	23	–	–	–	–	7.2
Harrogate	cb	b	b	bx	49	33	26	–	–	–	–	8.7
Spurn Head	cbd.c	cbc	cz	cz	44	35	•	Tr	9.00	–	–	4.0
Birmingham (Edgbaston)	fbc	cb	bm	bmFx	48	28	18	–	–	–	–	3.2
Cranwell	r.cm.	c	cb.c	cmf	50	34	30	Tr	<8.00	–	–	1.6
Gorleston	coi.rq	or.cq	cbcc	c	45	38	37	0.2	9.00	–	–	0.1
Valentia (Cahirciveen)	bxby	bcybc	bcb	bbc	54	43	39	–	–	Tr.	–	9.0
Roches Point	c	cbcb	bw	bbccw	47	40	•	–	–	Tr.	–	•
Pembroke (St. Ann's H.)	bcb	bm.	bm.	bbcm.	46	34	•	–	–	–	–	9.2
Ross-on-Wye	ccb	by	bmbf	bfxcofx	51	26	21	–	–	–	–	6.3
Leafield	cbcc	bcb	bx	bifx	47	25	18	–	–	–	–	4.6
Winchester (Worthy Dn.)	cm.bcc	c	cbcbx	bxbcx	48	28	23	–	–	–	–	1.5
S. Farnborough	cmbcm.	bccyc	cm.bm	bmcm	51	26	19	–	–	–	–	2.2
London (Kew Obsy.)	cbccz.	cz.	bm.	xcfw	49	33	23	–	–	–	–	2.4
Croydon	ofmbc	cz	cbcbm	bccmf	48	33	24	–	–	–	–	1.1
Shoeburyness	cm.	bccm.	cm.	cm.	50	37	37	–	–	–	–	1.0
Clacton-on-Sea	bbc	c	c	c	47	37	35	–	–	–	–	1.5
Felixstowe	cz.r.	cbc	bcc	cm.	46	38	37	Tr	11.00	–	–	1.2
Lympne	cr.m.	cm.bcm	bccm.	ocm.	45	37	31	Tr	<8.00	–	–	1.0
Scilly (St. Mary's)	b	b	b	bbc	50	42	•	–	–	–	–	9.1
Falmouth (Pendennis)	bcz.b	bbc	bc	bc	47	44	•	–	–	–	–	8.1
Plymouth (Cattewater)	bxfz.	bz.	b	bx	51	32	27	–	–	–	–	8.5
Portland Bill	cbcz.	bcbz.	bz.	bz.	49	38	•	–	–	–	–	•
Southampton (Calshot)	c	bccbm.	cm.bcbw	bwxbmx	48	29	21	–	–	–	–	1.7
Dungeness	crscc	c	coz	oc	47	38	•	Tr	<8.00	–	–	•
Guernsey	bmmx	bcz.	bwbw	bcmxz.	46	40	•	–	–	–	–	8.8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	6th 10n	Cambria	WNW	3	bc	42	46

GENERAL INFERENCE.

An anticyclone covering Great Britain and France will maintain quiet and mainly fair weather with higher day temperatures but further night frosts

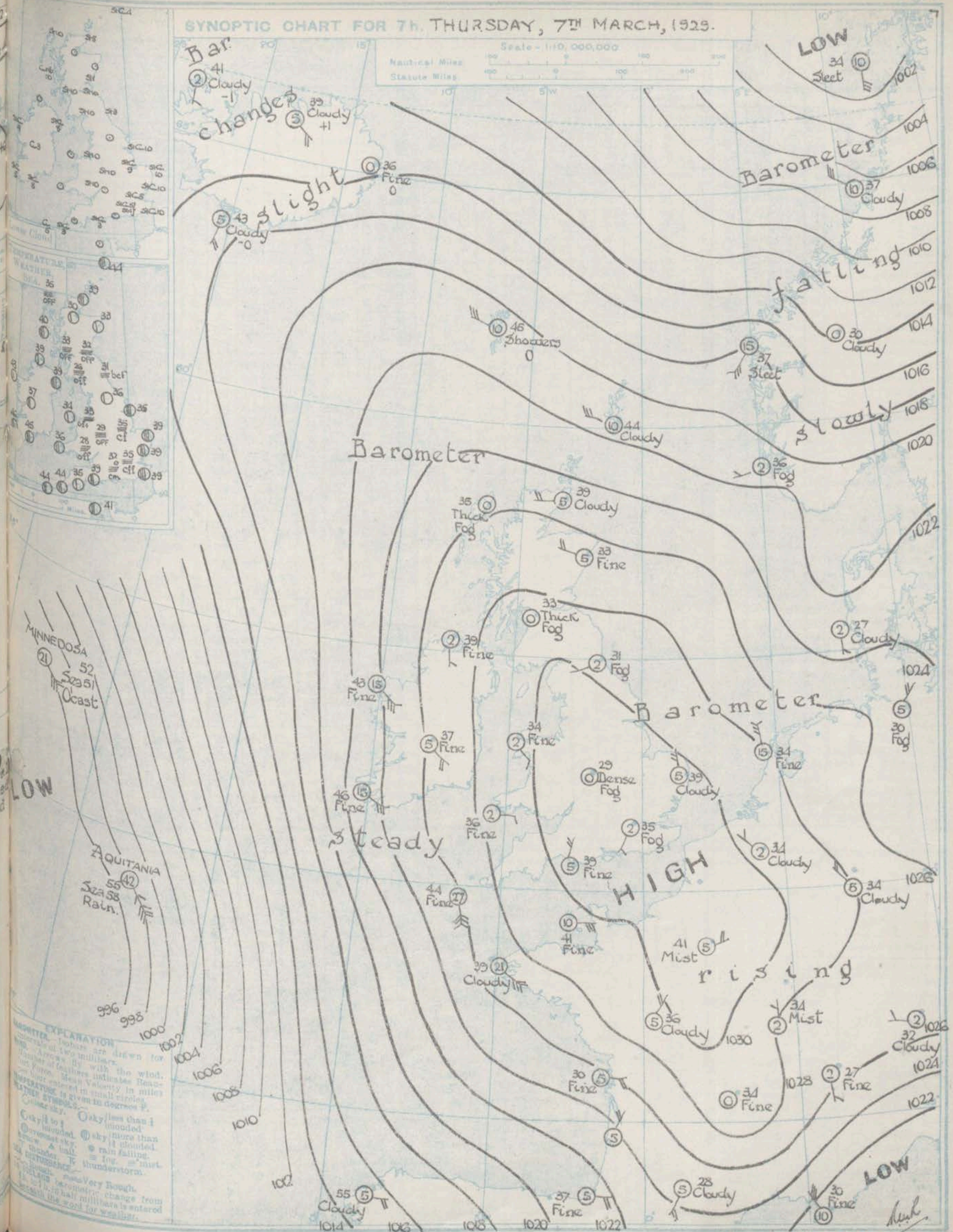
Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Thursday, 7th March, 1929.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light variable winds; bright intervals; local mist or fog, night and morning; moderate to rather high day temperatures but some local night frost.	Warmer generally but less settled in the West and Northwest.
5. S.W. England 6. South Wales	Moderate southeasterly to southerly winds, freshening considerably; bright periods at first, cloudy with rain or drizzle later; local coastal fog; milder.	
7. North. Wales 8. N.W. England 9. N. Midlands	Freshening southerly to southwesterly winds; bright intervals at first, cloudy, some local rain or drizzle; milder.	
10. N.E. England 11. S.E. Scotland	As 1 - 4.	
12. S.W. Scotland & Isle of Man	As 7 - 8.	
13. A. W. Scotland B. N.W. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	Southerly winds, veering, light to fresh or strong; mainly fair today, less settled tomorrow; local mist or fog, night and morning; mild by day, cold at night.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Southeasterly to southerly winds, light, becoming fresh to strong, probably approaching gale at times; bright at first, cloudy with rain or drizzle later; moderate temperature to rather mild.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1000 G.M.T. G. C. SIMPSON F.R.S. Dir.

† For code see page 1

† Trace = rain has fallen, but amount less than

SYNOPTIC CHART FOR 7h. THURSDAY, 7TH MARCH, 1929.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Thursday..7th.March.....1929. No.66.....

Stations.	Height above M.S.L. in feet.	Observations at 1h. G.M.T....7th.... Barom. at M.S.L. mb.	Change in 3 Hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Observations at 7h. G.M.T....7th.... Barom. at M.S.L. mb.	Change in 3 Hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	54	1021.5	0	W'S	3	c	44	85	8	1500	Stcu	5	Ast	10	1021.6	0	W'N	3	c	44	86	8	1500	Stcu	4	Ast	9	•
Stornoway	80	1026.7	0	-	0	c	•	•	6	•	•	•	•	10	1025.6	0	-	0	FFO	36	97	1	450	St	10	-	10	0
Wick	81	1025.7	+1	W	2	b	36	97	8	-	-	0	-	0	1026.6	+1	W	2	c	39	97	8	1500	St	8	-	8	0
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.9	0	S	4	c	40	97	7	800	Cu Nb	10	-	10	4
Nairn	83	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.2	•	-	0	b-	30	85	8	-	-	0	Acu	2	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.6	+1	WNW	2	b	33	97	7	-	-	0	Ci	2	0
Malin Head	81	1027.5	+1	-	0	b	37	92	8	-	-	0	-	0	1027.0	0	S	1	b	39	85	8	-	-	0	Cicu	1	0
Renfrew	80	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.2	0	-	0	FFO	33	97	1	4150	St	10	-	10	•
Edinburgh (Inchkeith)	190	1027.4	+3	SW	2	bc	38	92	6	800	St	3	-	3	1027.5	0	W	3	FFO	32	97	0	4150	St	10	-	10	0
Lenchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	1027.7	0	SW	2	b	33	97	5	800	St	1	Ci	2	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1031.3	0	-	0	ff0	26	97	2	4150	St	10	-	10	•
Tynemouth	87	1028.5	+1	W	2	ffbc	32	97	3	800	St	3	-	3	1029.2	0	WSW	1	ffbc	31	97	3	1500	St	9	-	3	1
Blacksod Point ...	18	1024.0	0	S	2	b	45	75	6	•	Cu	2	-	2	1023.7	0	SE	4	bc+	43	76	7	•	Stcu	4	-	4	3
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1028.7	0	S	2	c-	39	97	5	4000	Stcu	8	-	8	2
Birr Castle	178	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.0	•	SE	2	bc	37	92	7	1500	Cu	3	Ci	5	•
Holyhead	30	1029.1	+3	SE'S	1	b	34	97	5	-	-	0	-	0	1029.3	0	SE	1	b	34	97	5	-	-	0	Ci	2	0
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1030.2	0	E'S	4	f0+	33	97	2	460	St	10	-	10	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.7	0	SE'S	3	ff0	33	92	2	800	St	10	-	10	•
Harrogate	476	•	•	•	•	•	•	•	•	•	•	•	•	•	1030.4	+1	SW	3	b	36	85	7	-	-	0	Cist	1	•
Spurn Head	29	1028.1	+1	N'W	3	c	36	97	5	1500	St	9	Ast	10	1029.5	0	NNW	2	c	36	97	5	2500	Stcu	10	-	10	3
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•	1031.3	0	-	0	FFO	29	97	0	450	St	10	-	9	•
Cranwell	236	1029.5	+3	W	2	mc	35	97	4	2500	Stcu	10	-	10	1030.7	+1	W	1	ffc	35	97	2	2500	Stcu	9	-	10	0
Gorleston	14	1027.7	+3	NWN	2	c	39	85	7	2500	Nb	5	Ast	10	1030.7	+3	N'W	2	c	39	85	6	4000	Stcu	10		7	3
Valentia (Cahirciveen)‡	30	1023.5	0	SE	1	b	42	97	8	-	-	0	-	0	1022.8	0	SEE	4	bc	46	75	7	2500	Stcu	5	Acu	8	4
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.4	0	SE	4	c	45	86	7	2500	Stcu	8	-	4	0
Pembroke (St. Ann's H.)	150	1028.6	+3	E	1	b	36	97	5	-	-	0	-	0	1028.6	0	E	1	bc+	36	92	5	-	-	0	Acu	10	•
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1030.6	0	SW'S	1	ff0	28	97	3	800	St	10	-	0	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1030.7	+1	-	0	ifb	26	85	4	-	-	0	-		•
Winchester (Worthy Dn.)	272	•	•	•	-	•	•	•	•	•	•	•	•	•	1030.5	+1	-	0	b-	29	97	5	-	-	0	-	0	•
S. Farnborough ...	237	•	•	-	•	•	•	•	•	•	•	•	•	•	1030.9	+2	-	0	mmc	32	92	4	2500	Stcu	9	-	9	•
London (Kew Obsy.) ...	18	•	•	-	•	•	35	•	•	•	•	•	•	•	1030.9	+1	SW	1	ffc	35	92	3	4000	Stcu	8	-	8	•
Croydon	244	1029.6	+4	-	0	mmb	34	92	4	-	-	0	-	0	1030.3	0	SWW	1	ffc	37	92	3	1500	Stcu	10	-	10	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1031.0	+1	NE	2	c	39	92	6	2500	Stcu	7	Ast	9	1
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1030.5	+1	N	3	c	39	92	6	4000	Stcu	10	-	10	1
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1030.6	+3	NNE	2	c	39	92	6	1500	Stcu	9	-	9	•
Lympne	350	1028.5	+3	NW'N	2	0+	38	85	5	1500	St	10	-	10	1030.0	+2	NNE	3	c	38	92	6	2500	Stcu	10	-	10	•
Scilly (St. Mary's) ...	163	1026.2	0	SE'S	5	b	45	75	7	-	-	0	-	0	1025.8	0	SSE	6	bc+	44	75	7	4000	Cu	5	-	5	4
Falmouth (Pendennis)	200	1027.6	+1	SE	2	bc-	44	75	7	4000	Stcu	3	-	3	1027.8	0	SE'E	4	bc+	44	75	7	4000	Stcu	3	Acu	5	1
Plymouth (Cattewater)	62	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.2	+1	E	3	b	35	85	8	-	-	0	Ci	1	0
Portland Bill	37	1028.9	+2	-	0	b	43	65	6	-	-	0	-	0	1029.6	+1	NNE	2	bc+	39	85	6	2500	Stcu	3	-	3	0
Southampton (Calshot)	10	1029.5	+2	NW	2	b	33	92	7	-	-	0	-	0	1031.0	+1	WNW	2	mb	30	92	4	-	-	0	Acu	2	2
Dungeness	20	1028.6	+3	NNW	1	0+	40	85	6	1500	St	10	-	10	1030.1	+2	NNE	2	c	39	85	7	2500	Stcu	10	-	10	0
Guernsey (Fort George) ‡	205	1028.0	+2	-	0	b-	39	92	6	-	-	0	-	0	1029.7	+1	E	3	bc	41	85	6	-	-	0	Acu	4	0

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.-5th to 6th. 6th	Temperature. Max. 9h.-17h. 6th	Rainfall.† Night 17h.-9h. 5th-6th	Rainfall.† Day 9h.-17h. 6th	Sunshine. Sunrise to 17h. 6th	Sunrise to Sunset. 5th
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	b	b	35	49	-	-	9.5	4.2
Douglas (I. o. M.) ...	xbbc	bcc‡	35	48	-	-	7.9	5.7
Llandudno ...	b-bc	b-bc	29	47	-	-	8.5	7.4
Colwyn Bay ...	b	b	33	50	-	-	8.5	2.9
Rhyl...	b	b	27	45	-	-	7.6	5.4
Wallasey	cbc	b	32	45	-	-	5.3	1.8
Southport	foc	cbcb	* 35	44	-	-	4.2	0.3
Blackpool	bfeo	cbc	33	43	0.2	-	3.2	1.3
Ilkley	b-bc	b-bc	32	49	-	-	8.3	0.8
Cleethorpes... ...	fococ	cb	27	47	-	-	2.7	0.0
Skegness	opro	oc	37	46	0.2	-	1.7	0.0
Aberystwyth ...	xzbc	bbc	28	43	-	-	9.7	9.3
Bath	cc	bcb	30	49	-	-	4.4	9.0
Cheltenham‡ ...	oc	cbcb	35	47	-	-	2.0	7.0
Leamington Spa ...	c	c	28	49	-	-	1.9	0.4
Lowestoft	crc	c	33	45	0.3	Trace	0.4	3.1
Harwich & Dovercourt	dbc	dcebc	31	46	0.2	Trace	1.4	5.0
Maldon	cdbc	c	34	47	0.5	Trace	0.6	4.8
Southend	ocro	ocm	33	47	0.2	Trace	0.7	5.8

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	xbz	bbz	25	52	-	-	8.0	9.9
Penzance	b	bz	30	51	-	-	7.7	4.3
Paignton	wbmb	by	28	49	-	-	8.9	9.1
Torquay	bm	b	32	51	-	-	9.2	9.8
Jersey	fb	b	31	48	-	-	8.7	10.0
Weymouth	b	bbmo	32	50	-	-	5.6	9.6
Bournemouth ...	oc	bcc	34	51	-	-	3.7	9.4
Ventnor ...	cz	cbcz	35	49	-	-	1.8	9.9
Portsmouth (S'thsea)	c	bcc	36	49	-	-	1.9	9.7
Bognor	bcbc	bcbcc	34	49	-	-	2.3	8.6
Littlehampton ...	cbc	bc	29	50	-	-	2.4	8.5
Worthing	c	bcc	33	49	-	-	1.9	7.9
Brighton	coc	bcco	31	49	-	-	1.5	8.9
Eastbourne‡	moc	com	38	48	-	-	1.3	7.7
Hastings‡	ombcc	cbcc	37	48	Trace	-	1.4	5.5
Folkestone	ocro	coc	37	46	0.4	Trace	0.6	8.0
Dover	circ	irc	35	46	0.2	Trace	1.3	9.4
Tunbridge Wells ...	oc	co	28	48	-	-	0.7	4.7
Ramsgate	cbcb	bcc	36	46	0.2	Trace	2.3	9.0
Margate	cbc	bcc	34	43	Trace	-	1.0	8.2
Deal	ccbc	cco	34	46	0.3	-	0.7	8.2

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

* Information not usually received. ‡ The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. † For code see page 1. †‡ See footnote page 1.

‖ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 17h.-9h. ‖ 17h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 24578. FRIDAY 8th MARCH 1929.

Observations at 13h. G.M.T. 7th

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.† 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1022.9	+1	W'N	2	c|p	46	85	7	1500	Cu Nb	5	ASr	10	•
Stornoway	1026.2	+1	WSW	1	fog	48	75	7	4000	Cu	2	-	2	•
Wick	1025.9	0	SSE	2	F bc-	40	92	1	1500	St	3	-	3	•
Tiree	1027.6	0	S	5	b-	46	85	7	-	-	0	-	0	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1026.0	-1	SE	2	b	57	85	6	-	-	0	Ci	2	1
Malin Head	1027.5	0	S	3	bc+	52	55	6	-	-	0	CiCu	7	•
Renfrew	1030.5	0	WSW	2	bc-	38	96	6	450	St	5	Ci	7	1
Edinburgh (Inchkeith)	1028.9	0	W	3	f bc-	42	92	4	450	St	4	ACu	5	•
Leuchars	1027.3	-2	WSW	3	bc	53	65	6	-	-	0	Ci	3	1
Eskdalemuir	1030.6	-1	S	3	bc-	40	92	6	1500	St	2	Ci	3	2
Tynemouth	1029.2	-1	W	1	bc|f	55	92	6	1500	St	3	-	3	•
Blacksod Point	1023.6	0	ESE	4	bc	47	75	7	•	StCu	7	-	7	•
Donaghadee	1029.5	+1	S	2	b	41	85	5	-	-	0	-	0	•
Birr Castle	1026.3	•	SE	2	c+	50	75	7	1500	Cu	3	ASr	8	•
Holyhead	1029.6	-1	SE'S	1	bc+	50	65	6	-	-	0	Ci	5	1
Liverpool (Bidston)	1030.8	0	E'S	3	fb-	43	85	3	-	-	0	-	0	•
Chester (Sealand)	1030.4	-1	SSE	2	b|f	43	92	5	-	-	0	-	0	3
Harrogate	1029.9	0	SW	3	b	53	55	6	-	-	0	-	0	•
Spurn Head	1030.8	0	S'W	2	bc-	42	85	6	1500	St	4	-	4	•
Birmingham (Edgbaston)	1031.6	+1	SSW	3	b	48	65	6	-	-	0	-	0	2
Cranwell	1032.4	+1	WSW	2	b	51	75	6	-	-	0	-	0	1
Gorleston	1032.2	0	SSE	1	bc-	43	75	7	-	-	0	ACu	5	•
Valentia (Cahirciveen)	1022.6	-1	SE'S	5	c	51	55	7	2500	St	7	ASr	10	0
Rosbeg Point	1026.8	0	SSE	4	c	47	85	7	2500	StCu	9	-	9	•
Pembroke (St. Ann's H.)	1029.1	0	SE	3	bc+	46	85	6	-	-	0	CiSt	6	•
Ross-on-Wye	1030.4	0	NE'E	2	f b-	40	85	3	-	-	0	-	0	2
Leafield	1031.1	+1	SE	3	b	47	65	7	4000	Cu	1	-	1	2
Winchester (Worthy Dn.)	1031.3	0	SE	3	bc	48	65	6	2500	StCu	6	-	6	1
S. Farnborough	1031.9	0	E	2	b	48	65	6	4000	Cu	2	-	2	1
London (Kew Obsy.)	1032.3	+1	-	0	f f b	43	75	2	-	-	0	-	0	1
Croydon	1032.2	+1	ESE	1	c-	45	65	5	4000	StCu	8	-	8	2
Shoeburyness	1033.1	+2	SE	1	c	43	75	8	2500	StCu	6	ASr	9	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1033.2	+2	SSE	2	c	42	75	8	1500	StCu	8	ASr	10	1
Lympne	1032.4	+2	E'S	3	c	42	75	7	2500	StCu	9	-	9	1
Scilly (St. Mary's)	1025.6	0	SE'S	7	bc	47	75	7	4000	StCu	7	-	7	•
Falmouth (Pendennis)	1028.4	-1	SE'S	4	bc	46	75	7	4000	StCu	5	ASr	7	•
Plymouth (Cattewater)	1029.1	-1	SE	4	c	49	65	6	-	-	0	Ci	9	0
Portland Bill	1029.6	-2	NE	4	c	43	85	5	-	-	0	CiSr	10	•
Southampton (Calshot)	1031.6	-1	ESE	4	b	42	75	7	4000	StCu	2	-	2	0
Dungeness	1033.1	+3	NE	1	c	42	75	8	2500	StCu	10	-	10	•
Guernsey (Fort George)	1029.2	-3	ESE	4	bc+	47	75	7	-	-	0	CiSr	6	•

Observations at 18h. G.M.T. 7th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.† 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1022.6	0	W	2	c	45	85	8	1500	Cu	3	ASr	10	•
Stornoway	1025.5	-1	-	0	b	44	75	7	-	-	0	CiSt	2	0
Wick	1025.6	-1	S	2	if bc	39	97	2	450	St	6	-	6	0
Tiree	1026.4	0	S'E	4	bc	41	92	7	-	-	0	CiSt	3	4
Nairn	1025.7	•	-	0	bc	41	75	7	2500	Cu	2	CiCu	5	•
Aberdeen	1026.1	0	NE	1	b	40	92	6	-	-	0	Ci	1	0
Malin Head	1026.4	-1	SSE	3	c	47	75	6	5700	StCu	2	CiCu	9	0
Renfrew	1028.7	-2	W	1	b	38	92	5	-	-	0	Ci	2	•
Edinburgh (Inchkeith)	1027.2	-1	WSW	3	bc	41	85	5	450	St	3	ACu	4	1
Leuchars	1026.6	0	W	3	b	45	75	6	-	-	0	Ci	2	•
Eskdalemuir	1029.6	0	-	0	b	40	85	6	-	-	0	Ci	2	•
Tynemouth	1027.8	-1	W	1	bc	48	75	6	1500	St	2	Ci	3	1
Blacksod Point	1022.9	-1	ESE	3	bc	49	75	7	•	StCu	7	-	7	2
Donaghadee	1028.6	-1	SE	2	if o	40	92	2	1500	St	10	-	10	2
Birr Castle	1025.3	•	NE	3	c	45	85	7	800	St	9	-	9	•
Holyhead	1029.0	0	E	1	bc	43	85	6	-	-	0	CiSt	7	0
Liverpool (Bidston)	1029.2	-1	SE'E	3	mmbc	47	65	4	-	-	0	Ci	6	•
Chester (Sealand)	1029.0	0	SE	2	bc	41	85	5	-	-	0	Ci	5	•
Harrogate	1029.2	-1	SW	1	b	47	65	5	-	-	0	CiSt	1	•
Spurn Head	1029.0	0	WSW	2	bc	45	85	5	1500	St	6	-	6	2
Birmingham (Edgbaston)	1030.4	0	SSE	2	b+	46	75	5	-	-	0	CiSt	1	•
Cranwell	1030.8	0	S'E	2	b	42	75	6	-	-	0	ACu	1	•
Gorleston	1031.6	-2	S'W	2	b-	40	85	6	-	-	0	ASr	2	0
Valentia (Cahirciveen)	1020.8	-2	E'S	5	c	49	55	8	2500	StCu	7	ASr	10	3
Rosbeg Point	1025.3	-2	SSE	4	c	46	85	7	1500	StCu	9	-	9	6
Pembroke (St. Ann's H.)	1027.4	-2	ESE	3	c+	45	85	6	-	-	0	CiSt	8	0
Ross-on-Wye	1029.5	-1	E	2	mmc	43	75	4	-	-	0	Ci	8	•
Leafield	1030.4	+1	SE	2	b-	39	85	5	-	-	0	CiSt	2	•
Winchester (Worthy Dn.)	1030.4	0	SE'S	2	bc+	39	85	8	-	-	0	Ci	7	•
S. Farnborough	1030.2	0	SSE	2	bc-	43	75	6	-	-	0	Ci	3	•
London (Kew Obsy.)	1031.0	0	ESE	1	mmb	42	75	4	-	-	0	Ci	1	•
Croydon	1030.7	0	SSE	2	b+	42	75	5	-	-	0	Ci	2	•
Shoeburyness	1031.4	-3	E	2	b	36	92	8	-	-	0	-	0	•
Clacton-on-Sea	1031.6	-2	E	1	bc	37	92	7	-	-	0	Ci	3	1
Felixstowe	1031.8	-1	S'E	1	b	35	92	7	-	-	0	Ci	1	0
Lympne	1031.0	-2	E	3	b	36	85	6	-	-	0	Ci	1	•
Scilly (St. Mary's)	1024.1	-1	SE'E	6	c	46	75	6	4000	StCu	10	-	10	6
Falmouth (Pendennis)	1026.3	-1	SE'S	4	c	44	85	7	4000	StCu	5	Ci	8	1
Plymouth (Cattewater)	1027.8	-1	ESE	4	c	43	85	7	2500	Nb	5	CiSt	9	0
Portland Bill	1028.6	-1	E'N	5	c	41	85	8	4000	StCu	3	Ci	10	4
Southampton (Calshot)	1030.9	0	ESE	4	bc	39	85	7	-	-	0	Ci	3	0
Dungeness	1031.3	-3	E	1	bc-	38	85	8	-	-	0	CiCu	4	1
Guernsey (Fort George)	1027.2	-3	ESE	4	c+	42	85	7	-	-	0	ACu	8	4

LONDON OBSERVATIONS.

Day 7h.-18h., Kew & Croydon. 9h.-18h., Kensington. 9h.-21h., other stations.

	Height above M.S.L. in feet.	Weather. Morning. (24 hours ended 8a.)	Weather. Afternoon.	Weather. Night.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Temperature. 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.	Visibility.† To-day.
Kew	18	fwbf	bfbz	bmfx	48	27	18	-	Tr	3.6	*	*	2
Croydon	244	ssz0	cbz0	bx	49	27	19	-	-	4.1	*	*	4
Greenwich (Royal Obsy.)	149	c|c	cbz0y	bx|f	50	26	16	-	Tr	4.2	56	77	3
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0.1	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	48	(28)	31	-	-	2.3	70	83	*
Regent's Pk. (Botanic Gdns.)	163	*	*	*	*	*	*	*	*	0.4	*	*	*
Camden Square	110	c	c	*	47	29	*	-	-	*	*	95	*
Kensington Palace	80	co	bc	*	47	29	21	-	-	*	(At 18h.) 23	91	*
Hampstead Observatory	450	*	*	*	44	29	15	-	0.3	0.7	*	79	*

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 HR. ended 7h. G.M.T. 8th

South Kensington

Max.	Time.	Min.	Time.
2.3	9h 7th	0.3	3h 8th

Kew Observatory

Max.	Time.	Min.	Time.
1.6	12h 7th	0.3	14h 7th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 7h. 18m. to 8h. 5m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	10.45	10.45	100
δ Ursae Minoris	10.45	10.45	100

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Sleating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET.

8th-9th March, 1929.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.27	12.4	17.42
	6.25	12.4	17.44
Greenwich	6.33	12.11	17.50
	6.31	12.11	17.52
Wick	6.52	12.23	17.56
	6.49	12.23	17.58
Valentia	7.14	12.52	18.31
	7.12	12.52	18.32

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
ip precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain, rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). { before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.

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

A "solidus" divides actual existing weather from preceding conditions, thus:—le/r = fair weather after rain; - = has decreased; + = has increased.

BEAUFORT SCALE OF WIND

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.

‡ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

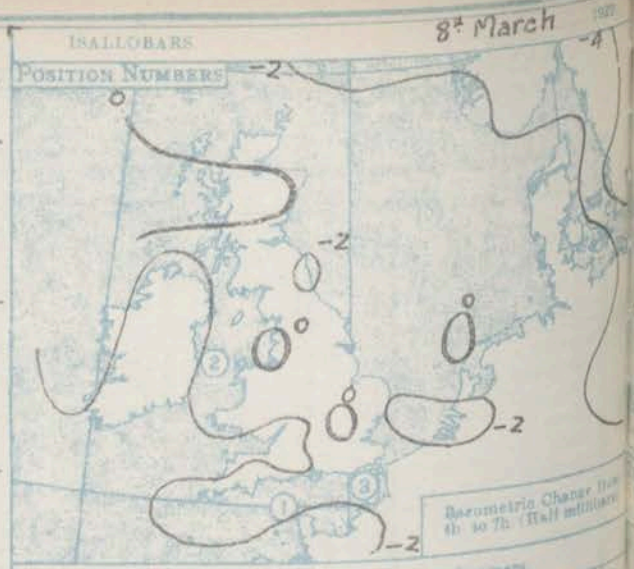
	Objects not visible at 55 yards.
0. Dense fog.	
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6½ "
7. Good.	13½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-18h. 7a	18h.-7h.	18h. 7a to 1h. 8a	1h.-7h. 8a	Temperature. Max. Day. 7h.-18h.	Min. Night. 18h.-7h.	Min on Grass	Rainfall.† Day. 7h.-18h. mm	began.	Night. 18h.-7h. mm.	began.	Sun 7a Hours.
Lerwick	cold.	c	c	c	47	43	•	Tr	<8.00	-	-	0.6
Stornoway	ffcbcb	b-bc	bbc	bcc	50	40	•	-	-	-	-	8.1
Wick	bif	ifif	oifb	bbc	41	29	•	-	-	-	-	•
Tiree	ocbcb	bbc	bc	bcm.	47	39	33	-	-	-	-	5.8
Nairn	bbc	bc	bcx	bc	55	32	•	-	-	-	-	8.6
Aberdeen	bifmby	bz.m.	bm.ofef	bmmx	(57)	29	22	-	-	0.1	<21.00	8.3
Malin Head	bbcz.	bccz.z.	cbcbz.z.	bcccz.z.	54	38	•	-	-	-	-	8.7
Renfrew	ofbcm.	bcbz.	bm.ffx	bfoff	44	27	21	-	-	-	-	3.0
Edinburgh (Inchkeith)	offe	bcmmm	bcm.m.m	bcwmm	43	34	31	-	-	Tr.	-	7.6
Leuchars	bxbm.bc	bcb	bbm.b	bm.xbx	55	33	25	-	-	-	-	9.2
Eskdalemuir	obxbcm.	bz.	bzbxm.	bxbcxm.	47	21	19	-	-	-	-	4.9
Tynemouth	bcff	bcm.	bcb	bbc	58	35	30	-	-	-	-	•
Blackpool Point ...	bbc	bc	c	cbc	50	41	•	-	•	-	•	•
Donaghadee	bmm.	bcm.	ffe	ffe	44	36	•	-	-	-	-	•
Birr Castle	bcc	c	c	c	50	35	30	-	-	-	-	3.4
Holyhead	bm.z.	bccz.	bcbm.w	bwm.x	53	36	27	-	-	0.2	•	7.9
Liverpool (Bidston) ...	ff	fmm.c	bm.bc	bcxm.	50	34	29	-	-	-	-	5.5
Chester (Sealand) ...	fcbcm	bbcz.	ffb	fbm	52	29	24	-	-	-	-	4.5
Harrogate	bz	bc	b	bx	53	36	27	-	-	-	-	8.2
Spurn Head	czbc	bcz	bcz	bcmfx	50	33	•	-	-	-	-	7.2
Birmingham (Edgbaston)	Fb	b	bm	f-m	50	30	21	-	-	-	-	7.6
Cranwell	cff-bm.	b	bm.	bm.x	54	32	29	-	-	-	-	7.1
Gorleston	cbc	bcz.	bmx	bm.x	43	32	28	-	-	-	-	3.2
Valentia (Cahirciveen)	bccy	c	c	cbc	52	44	43	-	-	-	-	0.0
Roches Point	c	c	c	c	48	44	•	-	-	-	-	•
Pembroke (St. Ann's H.)	bcm.	bccm.	cbcm.	bcm.	47	35	•	-	-	-	-	5.1
Ross-on-Wye	offcf	bmcm	cmbf	bfxcfof	49	25	21	0.2	-	-	-	3.5
Leafield	b	bbc	b	bx	48	28	20	Tr	-	-	-	8.8
Winchester (Worthy Dn.)	bm.xbcm	bcm.bc	bcxbx	bm.x	49	28	20	-	-	-	-	6.2
S. Farnborough ...	cmfbz.	bybcm.	bcm.bx	bxm.f	50	25	17	-	-	Tr.	-	4.4
London (Kew Obsy.) ...	cfwbf	bfbz	bm	bfx	48	27	18	-	-	Tr.	-	3.6
Croydon	cffz.	cbz.	bx	bx	49	27	19	-	-	-	-	4.1
Shoeburyness	cm.	cb	b	offf	46	22	16	-	-	-	-	2.9
Clacton-on-Sea ...	c	cbc	bcb	bx	41	32	26	-	-	-	-	3.4 3
Felixstowe	cmzc	b	bx	bfx	43	25	17	-	-	-	-	3.7
Lympne	cm.c	cbcbm.	bbx	bxm.	43	29	24	-	-	0.1	<21.00	3.0
Scilly (St. Mary's) ...	bc	bcc	cbc	bc	48	43	•	-	-	-	-	0.6
Falmouth (Pendennis)	bc	bcc	cbcbq	bbcq	47	42	•	-	-	-	-	1.4
Plymouth (Cattewater)	b,cz.	cz.	cbq	bbcwq	50	39	36	-	-	-	-	4.5
Portland Bill	bccm.	c	cb	bbcz.	45	39	•	-	-	-	-	•
Southampton (Calshot)	bmxbm	bbc	bcbw	bwbxm.	44	34	31	-	-	-	-	7.4
Dungeness	c	cbcbc	bcbzw	bcm	43	{34}	•	-	-	-	-	•
Guernsey	bcz.	bcc	b	bbc	46	39	•	-	-	-	-	6.6



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
1	7th 10h	St. Julien	E	4	bc	47	46
2	• 10h	Cambria	SE	3	bc	46	45

GENERAL INFERENCE.

A ridge of high pressure extending northwestwards across the British Isles will maintain mainly fair weather with rather high day temperatures but some frost and fog at night.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Friday, 8th March, 1929.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Variable or southeasterly winds, light or moderate; fine; local mist or fog, night and morning; rather warm by day, frost at night.
5. S.W. England ↓ 6. South Wales	Moderate to strong southeasterly to southerly winds; mainly fair; moderate temperature.
7. North Wales 8. N.W. England 9. N. Midlands	Variable to southerly winds, light to fresh; bright intervals; mist or fog locally, night and morning; moderate to rather high day temperature, frost locally at night.
10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Westerly to variable winds, fresh locally; bright periods, perhaps a few scattered showers in coastal districts; local mist or fog, night and morning; rather warm by day, frost locally at night.
13. (A. W. Scotland (B. N.W. Scotland	As 7 - 9.
14. Mid-Scotland 15. N.E. Scotland	Variable winds, light; fine; local mist or fog, night and morning; rather warm by day, night frost.
16. Orkneys and Shetlands	As 10 - 11.
17. N.W. Ireland 18. N.E. Ireland	As 7 - 9.
19. S.E. Ireland ↓ 20. S.W. Ireland ↓	As 5 - 6.

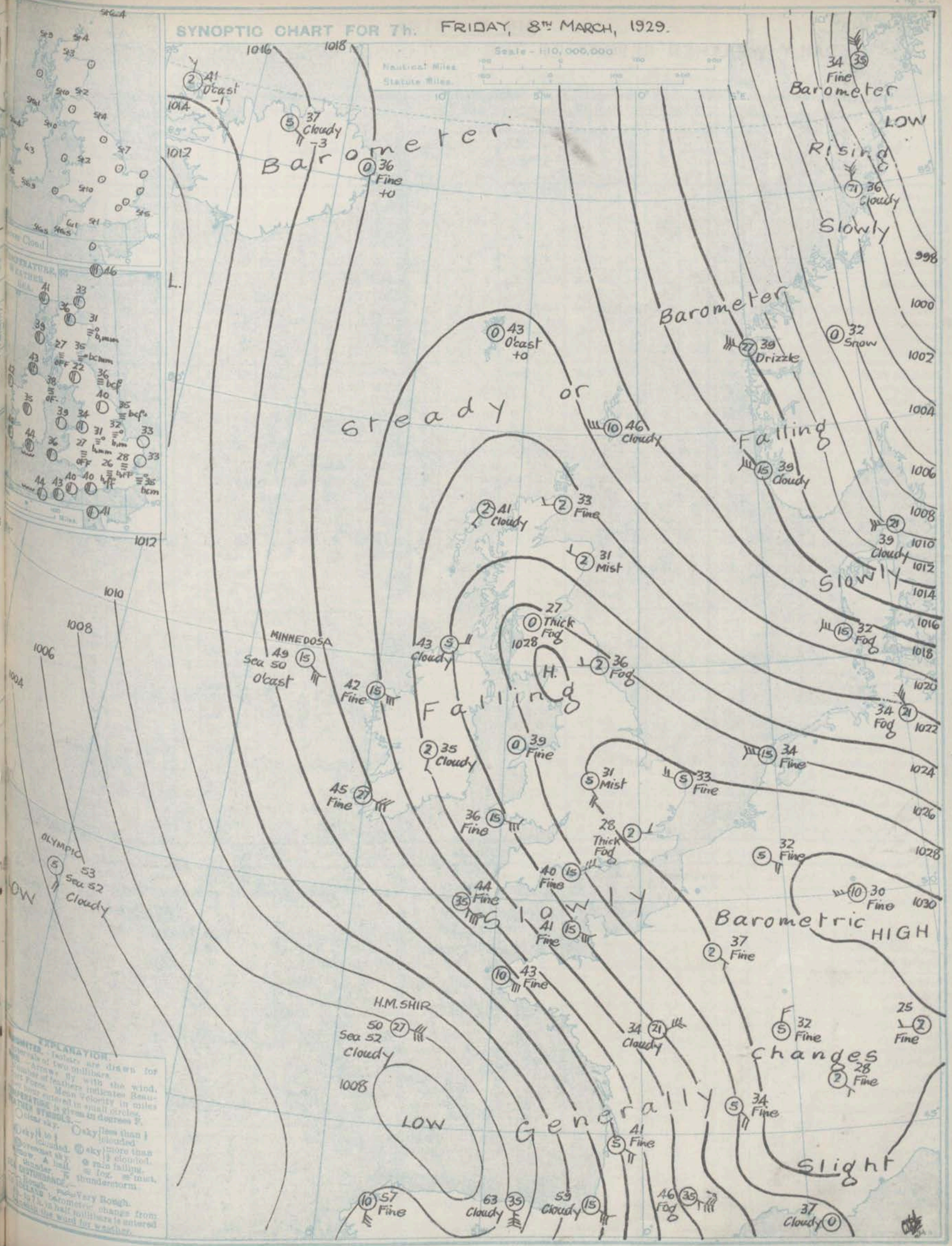
Further Outlook.

Moderate rather high day temperatures; some frost and fog at night, probably becoming somewhat less settled in the extreme West.

↓ South Cone hoisted 10h.45m G.M.T. 7/3/29 in districts 5, 19 and 20.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1015 G.M.T. G. C. Simpson, F.R.S. Director.

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


SYNOPTIC CHART FOR 7h. FRIDAY, 8TH MARCH, 1929.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Barometer
Steady or Falling
Barometer Falling Slowly
Barometer Rising Slowly
Barometer LOW
Barometric HIGH
Changes Generally Slight
LOW
H.
L.
MINNEDOSA
OLYMPIC
H.M. SHIP
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION.....FRIDAY, 8th MARCH.....1929. No. 67....

Stations.	Height above M.S.L. in feet.	Observations at 1h. G.M.T. 8h. Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-8	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun 0-8
Lerwick	54	1020.5	-1	W'S	2	c	45	85	8	1500	Cu	5	Acu	9	.
Stornoway	30	1024.7	0	SW	3	bc+	•	•	7	•	•	•	•	4	0
Wick	81	1024.3	-1	SSW	2	b/s	34	97	7	-	-	0	-	0	1
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	.
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	0
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	
Malin Head	83	1025.7	-1	SSE	2	b	42	75	6	5700	Stcu	1	-	1	0
Renfrew	50	•	•	•	•	•	•	•	•	•	•	•	•	•	.
Edinburgh (Inchkeith)	100	1026.7	0	SW	3	mbc+	36	92	4	450	St	3	-	3	1
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	.
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	.
Tynemouth	67	1026.8	-1	W	2	b	41	75	6	-	-	0	-	0	1
Blacksod Point ...	18	1021.1	0	SE	6	bc	44	75	6	•	CuNb	7	-	7	4
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•	.
Holyhead	30	1026.9	-3	SE	1	b	38	97	5	-	-	0	-	0	0
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•	.
Chester (Scalaud) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•	
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	.
Spurn Head	29	1028.2	0	W	3	bc	38	92	5	1500	St	4	-	4	.
Birmingham (Edgbaston)	565	•	•	•	•	•	•	•	•	•	•	•	•	•	.
Cranwell	236	1030.6	0	SW'W	3	b	35	92	6	-	-	0	-	0	.
Gorleston	14	1031.1	-1	W	2	b	34	97	6	-	-	0	-	0	4
Valentia (Cahirciveen) P	30	1019.5	-2	SSE	3	0	51	97	8	-	St	10	-	10	0
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1
Pembroke (St. Ann's H.)	160	1024.8	-1	ESE	5	bc-	39	92	6	-	-	0	Ast	4	.
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	.
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	.
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•	.
S. Farnborough ...	357	•	•	•	•	•	•	•	•	•	•	•	•	•	.
London (Kew Obsy.) ...	18	•	•	•	•	33	•	•	•	•	•	•	•	•	.
Croydon	344	1030.0	-2	-	0	b	32	92	5	-	-	0	-	0	.
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•	0
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	.
Lympne	350	1030.0	-1	SEE	3	b	31	92	7	-	-	0	-	0	7
Scilly (St. Mary's) ...	163	1020.4	-2	SE	7	bc	44	85	6	4000	Stcu	5	-	5	2
Falmouth (Pendennis)	200	1023.7	-2	ESE	4	b	44	85	8	4000	Stcu	2	-	2	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•	4
Portland Bill	32	1026.4	-2	E	5	b	41	85	8	2500	Stcu	1	-	1	0
Southampton (Calshot)	10	1029.2	-2	E	4	b	36	92	7	-	-	0	-	0	1
Dungeness	20	1030.5	-2	SE	1	b	36	92	7	-	-	0	-	0	4
Guernsey (Fort George) P	206	1026.0	-2	E	4	b-	40	85	6	-	-	0	-	0	

Stations.	Observations at 7h. G.M.T. 8h. Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-8	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun 0-8
Lerwick	1018.6	-2	W	3	c	46	86	8	1500	Stcu	4	Acu	9	.
Stornoway	1022.7	-1	SW	1	c	41	86	6	4000	St	9	-	9	0
Wick	1022.6	-1	W	1	bc	33	85	7	1500	St	4	CiSt	7	0
Tiree	1024.0	0	S'E	2	bc	39	97	7	-	-	0	CiSt	5	1
Nairn	1023.3	•	-	0	bc	36	75	7	2500	Cu	3	Acu	6	.
Aberdeen	1023.8	0	WNW	1	mmb	31	92	4	-	-	0	Ci	2	0
Malin Head	1024.0	-2	E	2	c+	43	75	6	5700	Acu	1	CiCu	8	0
Renfrew	1026.0	-1	-	0	FFo	27	97	1	4150	St	10	-	10	.
Edinburgh (Inchkeith)	1025.2	0	W	2	mmbc	35	92	4	450	St	2	Acu	4	1
Leuchars	1026.0	0	WSW	3	bc+	34	85	6	-	-	0	Ci	3	.
Eskdalemuir	1028.3	-1	-	0	bc	22	97	6	-	-	0	Ci	3	.
Tynemouth	1026.1	-2	W	1	fbc	36	92	3	800	St	4	-	4	1
Blacksod Point ...	1019.0	-1	ESE	4	bc	42	75	7	•	Stcu	4	-	4	4
Donaghadee	1025.3	-2	SE	1	Fo-	38	97	1	800	St	10	-	10	1
Birr Castle	1022.0	•	S	1	c	35	92	7	1600	Cu	3	Acu	8	.
Holyhead	1026.1	-1	-	0	b	39	95	5	-	-	0	Ci	1	0
Liverpool (Bidston) ...	1026.5	0	ESE	4	bc	34	92	5	1500	St	2	Ci	6	.
Chester (Scalaud) ...	1026.8	-2	SE'S	2	mmb	30	92	4	-	-	0	Ci	2	.
Harrogate	1027.1	-1	SW	1	b	40	55	6	-	-	0	Ci	1	.
Spurn Head	1026.8	0	NW'N	3	fbc+	36	97	3	220	St	7	-	7	.
Birmingham (Edgbaston)	1028.1	-1	SSE	2	mmb	31	97	4	-	-	0	-	0	.
Cranwell	1029.1	-1	W'S	4	mb	32	92	4	-	-	0	Ast	1	.
Gorleston	1028.2	-1	WNW	2	b	33	86	6	-	-	0	-	0	.
Valentia (Cahirciveen) P	1017.4	-2	E'S	6	bc	45	76	8	2500	St	5	Acu	6	4
Roches Point	1021.2	-3	SE	4	c	44	92	7	1500	Stcu	9	-	9	0
Pembroke (St. Ann's H.)	1022.8	-2	ESE	4	bc	36	97	6	-	-	0	Ci	6	1
Ross-on-Wye	1027.6	-1	SW	1	FFo	27	97	1	4150	St	10	-	10	.
Leafield	1027.1	-2	SE'E	2	b	30	92	6	-	-	0	CiSt	1	.
Winchester (Worthy Dn.)	1027.6	-2	NE	2	b	29	97	5	-	-	0	Ci	1	.
S. Farnborough ...	1028.1	-1	E'N	1	ffb	26	97	3	-	-	0	-	0	.
London (Kew Obsy.) ...	1029.4	0	E	1	FFb	28	85	1	-	-	0	-	0	.
Croydon	1028.5	0	-	0	b+	28	97	5	1500	St	1	-	1	.
Shoeburyness	1029.0	-1	NNW	2	Fb-	25	92	1	-	-	0	-	0	1
Clacton-on-Sea ...	1028.5	-1	S	2	b	34	85	7	-	-	0	-	0	0
Felixstowe	1028.8	-2	-	0	FFb	27	~~85~~ 92	0	-	-	0	-	0	.
Lympne	1028.3	-1	E'N	3	b	33	92	6	-	-	0	-	0	.
Scilly (St. Mary's) ...	1018.1	-1	SE	7	bc	44	85	6	4000	Stcu	5	CiCu	7	7
Falmouth (Pendennis)	1021.4	-1	ESE	4	bc+	43	85	8	4000	Stcu	5	-	6	2
Plymouth (Cattewater)	1022.5	-2	E	5	bc	40	85	8	2500	Cu	1	Ci	7	0
Portland Bill	1024.6	-1	ENE	4	bc+	40	92	6	1500	St	1	Ci	3	4
Southampton (Calshot)	1027.2	-2	E'N	4	b	36	85	5	-	-	0	Ci	1	0
Dungeness	1029.3	0	ESE	1	mbc	35	97	4	450	St	5	-	5	1
Guernsey (Fort George) P	1023.6	-2	ESE	4	bc+	41	75	7	-	-	0	CiSt	5	4

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 6th to 9h. 7th. °F.	Temperature. Max. 9h.-17h. 7th. °F.	Rainfall.† Night 17h.-9h. 6th-7th. mm.	Rainfall.† Day 9h.-17h. 7th. mm.	Sunshine. Sunrise to 17h. 7th. hr.	Sunshine. Sunrise to Sunset. 6th. hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	b	b	31	55	Trace	-	9.9	9.5
Douglas (I. o. M.) ...	of	cbc	30	45	0.5	-	2.2	7.9
Llandudno ...	b	bbc	30	50	-	-	8.0	8.9
Colwyn Bay ...	b	b	29	49	-	-	8.6	9.0
Rhyl	b	b	28	53	-	-	7.7	7.6
Wallasey	fecbc	bbc	31	52	Trace	-	6.0	5.3
Southport	efbcb	bbc	* 33	55	0.2	-	5.6	4.2
Blackpool	ofec	bccm	31	53	0.2	-	5.7	3.2
Ilkley	bcb	bbc	25	57	-	-	6.7	8.3
Cleethorpes	b	b	38	55	-	-	8.0	2.7
Skegness	ocb	b	38	46	-	-	5.5	1.7
Aberystwyth ...	xzbc	bcc	31	49	-	-	7.9	9.9
Bath	b	bbc	26	51	-	-	8.2	4.4
Cheltenham ...	ofbc	bbc	29	50	-	-	4.8	4.4
Leamington Spa ...	ofcb	bcb	25	52	-	-	5.8	1.9
Lowestoft	cbcb	b	37	44	-	-	4.6	0.4
Harwich & Dovercourt	oc	b	38	44	-	-	3.8	1.6
Maldon	c	cb	38	46	-	-	4.0	0.6
Southend	o	bcb	39	48	-	-	3.4	0.7

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	xzb	bbbc	30	52	-	-	4.8	8.0
Penzance	c	cm	40	48	-	-	0.0	7.7
Paignton	wbfm	bbcco	28	45	-	-	5.1	8.9
Torquay	bm	bcco	32	48	-	-	4.6	9.2
Jersey	bz	b	33	48	-	-	7.0	9.2
Weymouth	mob	bbbc	28	49	-	-	7.7	5.6
Bournemouth ...	mbb	b	29	48	-	-	7.8	3.8
Ventnor ...	bbc	bcb	38	47	-	-	6.6	1.8
Portsmouth (S'thsea)	c	b	30	47	-	-	3.4	1.9
Bognor	c	bcb	34	45	-	-	3.4	2.3
Littlehampton ...	cbc	bc	35	45	-	-	3.1	2.4
Worthing	c	cbc	40	46	-	-	3.0	1.9
Brighton	cocbc	bcb	39	47	-	-	3.0	1.5
Eastbourne	o	ocb	39	44	-	-	4.0	1.3
Hastings	c	cbcb	40	44	-	-	3.2	1.4
Folkestone	omo	ocbcb	39	42	-	-	3.0	0.6
Dover	oc	cb	39	43	-	-	2.0	1.3
Tunbridge Wells ...	o	ocbcb	36	47	-	-	2.1	0.7
Ramsgate	c	cbc	39	43	-	-	3.4	2.3
Margate	c	bc	37	44	-	-	2.5	1.0
Deal	o	ocb	38	42	-	-	2.3	0.7
							2.1	

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

* Information not usually received. P The observations at 7h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station ‡ For code see page 1. ‡; See footnote page 1.

† At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. § 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B24519 Saturday 9th March 1929.

Observations at 13h. G.M.T. 8th

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Cloud Form	Total Amt. 0-10	State of ground.
Lerwick	1019.7	+1	NW	2	c	47	85	8	1500	Cu	5	ACu	8	•
Stornoway	1023.5	0	SW	1	bc-	54	55	7	-	-	0	ASt	4	•
Wick	1023.6	+1	NW	1	bc	50	65	7	1500	St	4	CiSt	7	•
Tiree	1023.7	0	S'E	5	b	49	75	8	-	-	0	Ci	2	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1024.1	+1	ENE	1	b	50	55	7	-	-	0	Ci	2	•
Malin Head	1023.4	-1	SSE	3	c	55	45	5	-	-	0	CiCu	9	•
Renfrew	1025.6	-2	W	1	fb-	49	75	4	-	-	0	-	0	1
Edinburgh (Inchkeith)	1024.6	-1	WSW	2	mmbc	53	45	4	450	St	4	ACu	6	•
Leuchars	1024.4	-1	W	3	bc	59	45	6	-	-	0	CiSt	4	1
Eskdalemuir	1025.5	-1	WSW	3	b	56	25	6	-	-	0	Ci	1	2
Tynemouth	1024.0	-1	NW	1	bc/f	59	65	5	800	St	3	Ci	4	•
Blacksod Point	1020.1	0	ESE	3	c	47	65	7	•	-	0	ACu	8	•
Donaghadee	1024.5	-2	SE	2	ffbc	47	75	3	-	-	0	CiSt	4	•
Birr Castle	1020.7	•	S	1	c	48	65	8	2500	Cu	3	Ci	8	•
Holyhead	1023.9	-2	NW'N	1	b	52	65	6	-	-	0	Ci	1	1
Liverpool (Bidston)	1024.9	-1	SE'E	4	b	54	55	7	-	-	0	-	0	•
Chester (Sealand)	1025.4	-2	SSE	3	b-	56	45	6	-	-	0	-	0	1
Harrogate	1025.3	-1	SSW	2	b	64	35	5	-	-	0	-	0	•
Spurn Head	1026.1	0	W	2	bc	58	55	6	1500	St	3	Ci	4	•
Birmingham (Edgbaston)	1026.4	-1	SE	2	b	56	45	6	-	-	0	-	0	2
Cranwell	1027.2	-2	S	2	b	60	35	6	-	-	0	-	0	0
Gorleston	1027.3	-1	SW	1	b	55	65	6	-	-	0	Ci	2	•
Valentia (Cahirciveen)	1016.7	-2	ESE	4	c	52	55	8	4000	StCu	6	ASt	9	0
Roches Point	1020.8	-3	SE	4	c	48	75	7	2500	StCu	8	-	8	•
Pembroke (St. Ann's H.)	1021.3	-1	ESE	5	bc	49	92	6	-	-	0	Ci	5	•
Ross-on-Wye	1025.6	-2	NW'N	1	b	43	85	5	-	-	0	-	0	2
Leafield	1025.9	0	SE	3	b	53	45	5	-	-	0	-	0	2
Winchester (Worthy Dn.)	1025.6	-3	SE'E	4	b	60	35	8	-	-	0	-	0	1
S. Farnborough	1026.1	-2	ESE	3	b	61	35	7	-	-	0	CiSt	1	0
London (Kew Obsy.)	1026.7	-2	ESE	2	b/f	55	45	5	-	-	0	-	0	1
Croydon	1026.7	-2	SSE	3	b	59	35	6	-	-	0	-	0	1
Shoeburyness	1027.9	-1	NE	3	b	51	55	7	-	-	0	-	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1028.2	-1	-	0	b	46	65	6	-	-	0	-	0	0
Lympne	1026.7	-2	SE	3	b	56	35	7	-	-	0	-	0	1
Scilly (St. Mary's)	1016.6	-1	ESE	7	c	48	65	6	4000	StCu	7	Ci	9	•
Falmouth (Pendennis)	1019.4	-2	ESE	5	bc	47	75	6	4000	StCu	4	Ci	6	•
Plymouth (Cattewater)	1020.2	-4	ESE	6	bc	50	55	8	4000	CuNb	1	Ci	7	0
Portland Bill	1023.4	-2	ENE	5	bc+	43	85	6	2500	StCu	2	Ci	5	•
Southampton (Calshot)	1025.7	-2	SE'S	3	b	46	65	7	-	-	0	Ci	1	0
Dungeness	1027.7	0	E	2	b	46	65	6	-	-	0	-	0	•
Guernsey (Fort George)	1020.2	-4	E'N	4	c+	49	65	7	4000	StCu	6	CiSt	8	•

Observations at 18h. G.M.T. 8th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Cloud Form	Total Amt. 0-10	Sea. 0-9
Lerwick	1021.4	+1	NW	1	c	45	85	8	1500	Cu	4	ASt	8	•
Stornoway	1022.7	0	-	0	bc	48	55	6	4000	StCu	4	Ci	5	0
Wick	1023.6	0	NW	1	bc	46	65	7	1500	St	2	CiSt	6	0
Tiree	1022.8	-1	S'E	3	b	45	85	8	-	-	0	CiSt	2	4
Nairn	1023.3	•	-	0	bc	45	65	7	2500	Cu	2	CiCu	5	•
Aberdeen	1023.9	+1	-	0	mb	40	92	4	-	-	0	Ci	2	0
Malin Head	1022.5	-1	ENE	2	c	51	55	5	5700	StCu	2	CiCu	8	0
Renfrew	1024.5	-1	SE	1	b	43	65	5	-	-	0	Ci	2	•
Edinburgh (Inchkeith)	1024.1	0	W	1	bc	52	45	5	800	St	1	ACu	3	0
Leuchars	1024.0	+1	W	2	bc	52	55	7	-	-	0	CiSt	3	•
Eskdalemuir	1025.8	-1	NW	2	b	41	55	7	5700	StCu	1	Ci	1	•
Tynemouth	1025.4	+2	E	1	bc/f	50	55	5	800	St	3	Ci	5	0
Blacksod Point	1019.1	0	ESE	2	bc	51 (53)	55	8	•	-	0	ACu	4	3
Donaghadee	1023.7	-1	SSE	1	bc-	45	85	5	5700	StCu	1	CiSt	3	1
Birr Castle	1019.3	•	S	1	bc-	58	55	8	2500	Cu	5	-	5	•
Holyhead	1022.6	-1	-	0	b	48	75	5	4000	StCu	1	Ci	2	0
Liverpool (Bidston)	1024.2	-1	E'S	3	(mb+)	52	65	4	-	-	0	-	0	•
Chester (Sealand)	1024.4	0	SSE	2	b+	46	65	6	-	-	0	Ci	2	•
Harrogate	1025.2	0	SW'S	1	b	52	45	5	-	-	0	CiSt	2	•
Spurn Head	1025.2	0	WSW	3	bc+	49	75	6	1500	St	3	CiSt	6	1
Birmingham (Edgbaston)	1025.4	-2	ESE	2	mb+	55	45	4	-	-	0	Ci	1	•
Cranwell	1026.4	0	SSE	2	b+	47	65	6	-	-	0	Ci	1	•
Gorleston	1026.5	0	W	1	bc+	57	65	6	-	-	0	Ci	3	0
Valentia (Cahirciveen)	1016.5	+1	ESE	4	c	50	55	8	5700	StCu	7	ASt	9	3
Roches Point	1018.9	0	SE	4	c	47	85	7	2500	StCu	8	-	8	6
Pembroke (St. Ann's H.)	1020.2	-3	ESE	5	c+	52	75	6	2500	Cu	5	Ci	8	2
Ross-on-Wye	1023.7	-2	NE	1	b	51	65	5	4000	StCu	1	Ci	1	•
Leafield	1024.7	-1	E	3	b	48	55	5	4000	StCu	1	CiSt	1	•
Winchester (Worthy Dn.)	1024.1	0	E'N	2	b+	53	45	8	-	-	0	ACu	2	•
S. Farnborough	1024.9	0	E'N	2	b+	55	45	6	4000	StCu	2	-	2	•
London (Kew Obsy.)	1025.1	-2	E'N	2	fb+	52	55	2	-	-	0	-	0	•
Croydon	1025.2	-1	E	2	b	53	45	6	5700	StCu	1	-	1	•
Shoeburyness	1026.7	-1	E'N	2	b	39	92	6	-	-	0	CiSt	1	•
Clacton-on-Sea	1026.8	-1	ENE	2	bc	42	75	7	4000	Cu	3	-	3	2
Felixstowe	1027.2	0	-	0	b	40	85	5	-	-	0	Ci	2	0
Lympne	1025.5	0	E	3	b+	50	55	5	7200	StCu	1	Ci	2	•
Scilly (St. Mary's)	1016.5	0	SE'E	6	c	46	85	6	4000	StCu	5	CiCu	8	6
Falmouth (Pendennis)	1018.9	+1	E	6	bc	46	75	6	4000	StCu	4	ACu	7	4
Plymouth (Cattewater)	1019.8	0	E	5	c	47	55	6	-	-	0	CiCu	9	1
Portland Bill	1021.5	-2	ENE	5	c-	45	75	6	2500	StCu	6	CiCu	8	6
Southampton (Calshot)	1024.3	0	SE	4	bc+	42	75	6	-	-	0	ASt	4	0
Dungeness	1025.5	-3	E	3	bc+	42	75	6	1500	StCu	2	CiCu	3	3
Guernsey (Fort George)	1019.9	-1	E'S	4	c+	39 (49)	65	8	2500	StCu	4	ACu	9	3

London Observations. Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.

Station	Heights above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night (24 hours ended 8h.)	Max. Day °F.	Min. Night °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)	Visibility 9h
Kew	18	bfxby	by2f	bfx	61	33	21	-	Tr.	8.2	•	•	[illegible]
Croydon	244	byxzo	byzo	bzomjx	63	31	23	-	-	9.5	•	•	3
Greenwich (Royal Obsy.)	149	bfxby	byfo	bfbxf	61	31	20	-	Tr.	9.8	44	74	3
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	1.2	•	•	•
Westminster (St. James' Pk.)	37	•	•	•	62	38	34	-	-	7.0	46	79	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	4.5	•	•	•
Camden Square	116	xbfb	b	•	58	32	•	-	-	•	•	77	•
Kensington Palace	80	bm	b	•	61	33	28	-	-	•	(At 18h) 77	91	•
Hampstead Observatory	460	•	•	•	56	37	23	-	Tr.	8.0	•	74	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 8th?

South Kensington Max.	Time.	Min.	Time.
2.0	9h 8th	0.4	16h 8th

Kew Observatory Max.	Time.	Min.	Time.
1.3	9h 8th	0.1	16h 8th

Pole Star Record at Greenwich Obsy.

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

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	10.45	10.45	100
δ Ursae Minoris	10.45	10.45	100

Code for State of Ground.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7=Snow (thin layer often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

Table showing the Greenwich Times of Sunrise, Noon, and Sunset.

9th & 10th March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.25 / 6.22	12.4 / 12.4	17.44 / 17.46
Greenwich	6.31 / 6.28	12.11 / 12.11	17.52 / 17.54
Wick	6.49 / 6.47	12.23 / 12.23	17.58 / 18.00
Valentia	7.12 / 7.10	12.52 / 12.51	18.32 / 18.34

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog. " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♆ = lunar halo.
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; − = has decreased; + = has increased.

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

§ Telegraphic Code for Surface Visibility.

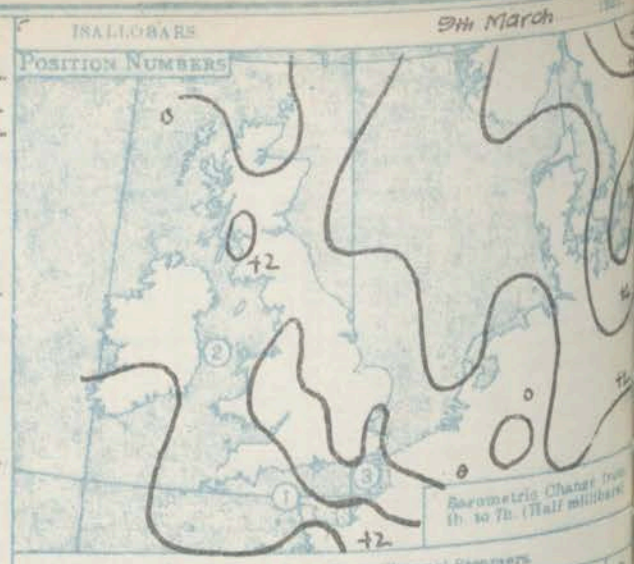
Code	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 8th	13h.-18h. 8th	18h. 8th to 1h. 9th	1h.-7h. 9th	TEMPERATURE. MAX. Day 7h.-18h.	MIN. Night 18h.-7h.	MIN. on Grass	RAINFALL.† Day 7h.-18h. mm	began.	Night 18h.-7h. mm	began.	SUN. 8th Hours.
Lerwick	c	c	c	c	48	41	•	–	–	–	–	0.0
Stornoway	cbez	bcz	bbc	bbcxz	54 50	27	•	–	–	–	–	6.8
Wick	b-bc	b-bc	bbc	bbc	52	31	•	–	–	–	–	•
Tiree	bcb	bcbc	bc	bc	51	36	25	–	–	–	–	8.0
Nairn	bcb	bbc	bcx	bc	57	29	•	–	–	–	–	5.2
Aberdeen	bm-zb	bybcz₀bz	bzf	bbcmx	56	30	23	–	–	–	–	6.4
Malin Head	cz₀z₀y	cz₀z₀	cbcbyz₀	bz₀z₀	58	40	•	–	–	–	–	8.4
Renfrew	ff bz	bz₀y	bcmfx	bfx	60	25	18	–	–	–	–	5.8
Edinburgh (Inchkeith)	bcmm	bcmmm	bcm₀mm	bcmm	56	35	30	–	–	–	–	8.8
Leuchars	bcx bcy	bcy	bcbm₀	bbcm₀x	62	29	22	–	–	–	–	9.1
Eskdalemuir	bxm₀bz₀y	bz₀by	bybyx	bylxbcm	60	24	21	–	–	–	–	8.7
Tynemouth	bcff	bcff	bcff	bcm₀	66	36	32	–	–	–	–	•
Blacksod Point	bcc	bc	bc	bc	55	45	•	–	•	–	•	•
Donaghadee	cbcff	bffm₀	bm₀	bxfm	48	34	•	–	–	–	–	•
Birr Castle	c	cbc	bc	bc	59	38	27	–	–	–	–	8.3
Holyhead	bm₀z₀	bz₀y	bz₀	bz₀m₀x	56	40	30	–	–	Tr.	–	10.0
Liverpool (Bidston)	m₀bby	bbz₀	b bz₀	b bm₀	57	38	30	–	–	–	–	9.1
Chester (Sealand)	bm	byz₀	bz₀m₀	bffb	57	31	23	–	–	–	–	9.3
Harrogate	bz	bz	bz	bfx	64	37	27	–	–	–	–	9.3
Spurn Head	bcmzy	bc	bc	bczx	61	36	•	–	–	–	–	9.6
Birmingham (Edgbaston)	mbb	b	bm	bmfx	59	34	20	–	–	–	–	9.3
Cranwell	bfmb	bby	bm₀b	b	63	32	25	–	–	–	–	9.4
Gorleston	bz₀	bz₀	bcbz₀	bbcz₀	60	37	33	–	–	–	–	9.8
Valentia (Cahirciveen)	bccy	cy	cy bc	bcb	52	44	39	–	–	–	–	0.0
Roches Point	c	c	c	cbccw	49	45	•	–	–	Tr.	–	•
Pembroke (St. Ann's H.)	bcm₀	bcm₀	cbcm₀	bcm₀	54	43	•	–	–	–	–	8.8
Ross-on-Wye	ffcfbm	byz	bmw	bfx	56	28	22	0.1	–	–	–	5.7
Leafield	by	bz₀y	b	bx	58	35	25	Tr.	–	–	–	9.6
Winchester (Worthy Dn.)	bm₀x by	by	byb	bm₀x	62	33	24	–	–	–	–	10.0
S. Farnborough	bxfmby	by	byz₀bm	bmfx	64	25	19	–	–	Tr.	–	8.9
London (Kew Obsy.)	bfxby	byzf	bf	bfx	61	33	21	–	–	Tr.	–	8.2
Croydon	byzz₀	byz₀	bz₀m	bmfx	63	31	23	–	–	–	–	9.5
Shoeburyness	bfby	b	bm₀x	bfx	51	27	21	–	–	–	–	8.0
Clacton-on-Sea	bxm	bmbcm	bcmbm	bmbcm	48	37	29	–	–	–	–	~~9.8~~ 10.0
Felixstowe	bz₀	bz₀by	bz₀	bfx	48	28	19	–	–	–	–	9.7
Lympne	bm₀by	bybz₀y	byz₀	byz₀	58	41	35	–	–	–	–	10.5
Scilly (St. Mary's)	bcc	c	cbc	bc	48	46	•	–	–	–	–	0.7
Falmouth (Pendennis)	bcqy	bcqz₀	bczq	bc	47	45	•	–	–	–	–	4.3
Plymouth (Cattewater)	bcqy	bczqy	cqxzb	b,c	51	44	39	–	–	–	–	5.5
Portland Bill	bcbz₀	cz₀	cbcz₀	cz₀	46	40	•	–	–	–	–	•
Southampton (Calshot)	bm₀b	bbcwm	bcm₀b	bbq	48	37	30	–	–	–	–	9.2
Dungeness	bcmmbz	bz₀bbcz	bczbm₀m	bm₀	51	37	•	–	–	–	–	•
Guernsey	bc	cbc	b	bbc	51	43	•	–	–	–	–	5.4



Observations from Cross Channel Steamers

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	8th 10h	Cambria	E	2	c	49	46

GENERAL INFERENCE.

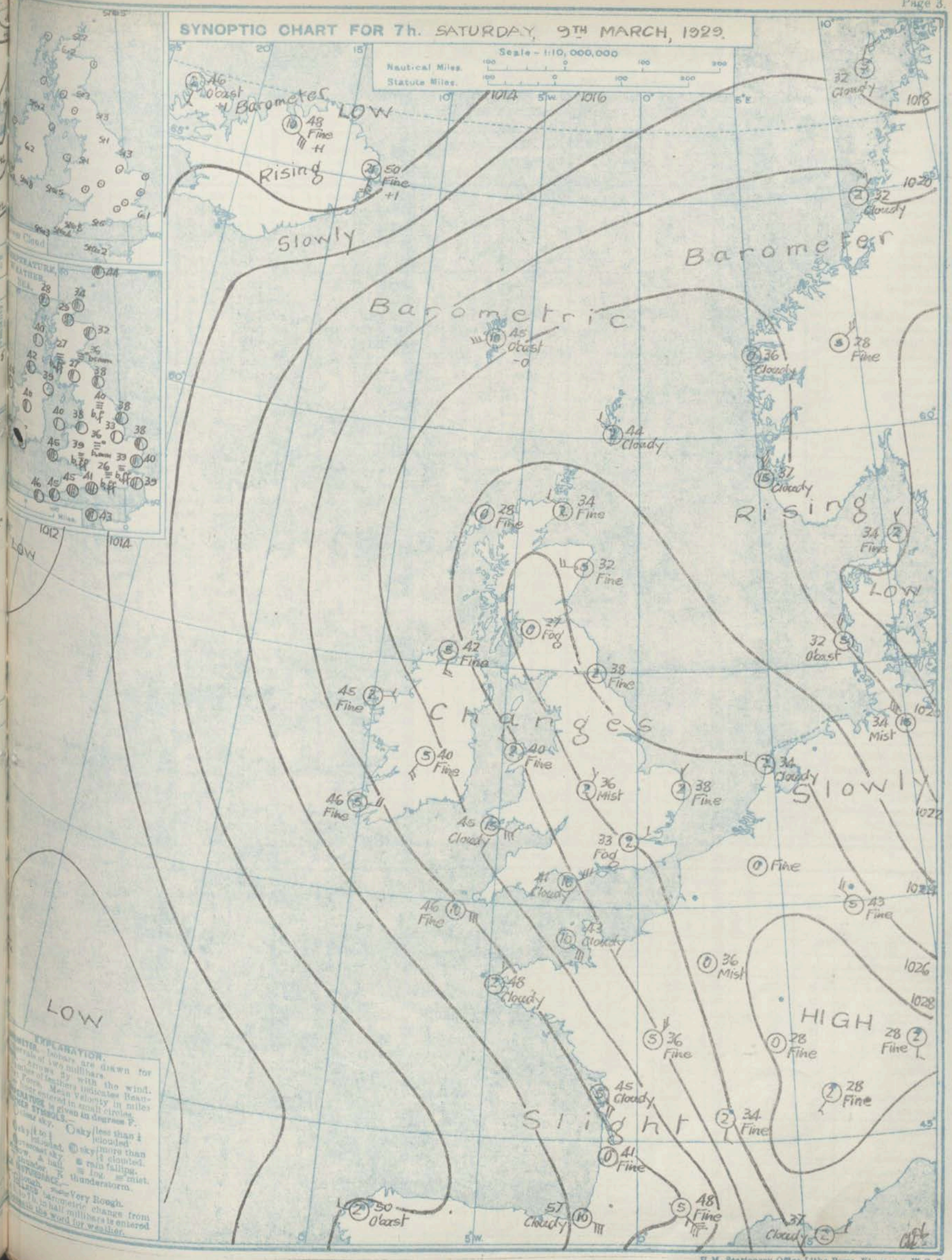
Barometric changes in progress are slight and weather will continue bright and warm by day but cool at night.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Saturday, 9th March, 1929.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Variable winds, light to moderate; mainly bright; some morning mist or fog locally; warm by day, cool at night.	No important change.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Variable or southerly winds, light or moderate; bright periods; morning mist or fog locally; warm by day, cool at night.	
10. N.E. England 11. S.E. Scotland	As 1 - 4.	
12. S.W. Scotland & Isle of Man 13 A. W. Scotland 13 B. N.W. Scotland	As 5 - 9.	
~~14. Mid Scotland~~ 15. N.E. Scotland	As 1 - 4.	
16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Variable to southwesterly winds, light to moderate; variable skies; local showers; local morning mist, perhaps fog; moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	As 5 - 9.	

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

§ For code see page 1

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



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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Saturday 9th March.....1929. No. 68.....

Observations at 1h. G.M.T. 9th

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form	Cloud. Total Amt. 0-10
Lerwick	84	1022.4	0	-	0	c	43	92	8	1500	Stcu	4	Acu	9
Stornoway	30	1024	0	-	0	b-	*	*	8	*	*	*	*	0
Wick	61	1024.7	+1	NW	1	b	39	92	8	-	-	0	-	0
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	81	1023.7	+1	SSE	3	b	47	45	6	5700	Stcu	2	-	2
Renfrew	86	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1024.7	+1	W	2	mmtc	40	75	4	800	St	3	-	3
Lenchars	39	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	67	1026.3	+1	WSW	2	bc/s	42	65	5	800	St	3	-	3
Blacksod Point ...	48	1021.0	+2	-	0	bc	49	55	7	*	~~Stcu~~	~~6~~	~~Cicu~~	~~6~~
Donaghadee	45	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	178	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	30	1023.6	+1	ESE	1	b	45	65	6	-	-	0	Acu	1
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	39	1025.8	0	NNW	2	bc	40	92	6	1500	St	4	-	4
Birmingham (Edgbaston)	635	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	236	1027.2	0	SSW	2	b	39	85	6	-	-	0	-	0
Gorleston	14	1026.8	0	-	0	b	44	85	6	-	-	0	-	0
Valentia (Cahirciveen)¶	30	1018.2	0	SE	4	b	46	97	8	-	Sb	2	-	2
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	180	1022.2	+1	ESE	4	bc	46	85	6	2500	Cu	3	-	3
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	237	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	18	*	*	*	*	*	40	*	*	*	*	*	*	*
Croydon	244	1027.1	+1	E'N	2	mmb	36	92	4	-	-	0	-	0
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1026.7	+1	E	3	b	47	55	6	-	-	0	-	0
Scilly (St. Mary's) ...	163	1019.1	+1	SE	5	bc	47	85	7	4000	Stcu	6	-	6
Falmouth (Pendennis)	200	1020.2	0	ESE	4	bc	47	75	7	4000	Stcu	4	-	4
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	32	1022.8	+1	ENE	4	bc+	43	85	6	2500	Stcu	7	-	7
Southampton (Calshot)	10	1025.0	+1	ESE	4	b	43	75	7	-	-	0	Asc	1
Dungeness	20	1026.2	+1	ENE	2	b-	40	85	5	-	-	0	-	0
Guernsey (Fort George) ¶	205	1022.4	+1	ESE	3	b-	45	75	6	-	-	0	-	0

Observations at 7h. G.M.T. 9th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form	Cloud. Total Amt. 0-10	Sun. 0-8
Lerwick	1022.4	+1	NW	1	c	44	85	8	1500	Stcu	5	Asc	9	*
Stornoway	1024.2	0	-	0	bc	28	85	6	-	-	0	Asc	6	0
Wick	1024.4	-1	NW	1	bc	34	92	7	2500	St	2	Cicu	5	0
Tiree	1024.2	+1	S	2	b-	40	97	7	-	-	0	Ci	1	1
Nairn	1025.6	*	-	0	bc+	29	85	7	-	-	0	Ci	6	*
Aberdeen	1025.5	+1	W	2	bc	32	92	5	2500	Cu	2	Cicu	6	0
Malin Head	1023.8	0	S	2	b	42	65	6	5700	Stcu	2	-	2	0
Renfrew	1026.3	+2	-	0	ssb	27	97	2	-	-	0	-	0	*
Edinburgh (Inchkeith)	1025.1	0	W	2	mmtc	36	85	4	800	Sc	3	-	3	0
Lenchars	1025.8	+1	WNW	1	bc	30	92	6	-	-	0	Ci	6	*
Eskdalemuir	1027.8	+1	N	1	bc	27	85	6	-	-	0	Ci	4	*
Tynemouth	1025.1	0	W	1	bc	38	75	5	800	Sc	3	Ci	5	0
Blacksod Point ...	1021.2	0	E	1	bc	45	65	7	*	-	0	Acu	4	3
Donaghadee	1024.5	0	SE	1	b	39	92	6	-	-	0	-	0	1
Birr Castle	1021.3	*	SW	2	bc	40	85	7	1500	Cu	2	Acu	5	*
Holyhead	1023.5	0	NW	1	b	40	85	6	-	-	0	Ci	2	0
Liverpool (Bidston) ...	1025.0	-1	E	4	b	38	75	5	2500	St	1	Ci	2	*
Chester (Sealand) ...	1025.1	-1	SE	3	sb-	31	92	3	4000	Stcu	1	-	1	*
Harrogate	1026.6	0	SW	1	sb	40	65	3	4150	St	1	Ci St	2	*
Spurn Head	1026.0	0	NNW	1	bc	38	97	5	2200	St	3	Ci	6	1
Birmingham (Edgbaston)	1026.5	0	NE	1	mmb	36	85	4	-	-	0	-	0	*
Cranwell	1027.4	0	E'S	1	b+	33	85	6	-	-	0	Acu	2	0
Gorleston	1026.6	+1	N	1	bc	38	75	6	-	-	0	Ci	4	0
Valentia (Cahirciveen)¶	1019.0	+2	E'S	2	b	46	85	8	4000	St	2	-	2	1
Roches Point	1021.2	+3	SE	3	c	46	92	7	2500	Stcu	8	-	8	5
Pembroke (St. Ann's H.)	1022.2	0	ESE	4	c+	45	85	6	1600	Stcu	5	Acu	9	3
Ross-on-Wye	1025.2	-1	-	0	ssb	29	92	3	-	-	0	Ci	1	*
Leafield	1025.5	-1	E	2	b	37	75	6	-	-	0	Asc	1	*
Winchester (Worthy Dn.)	1025.5	-1	NE	1	b	33	85	6	-	-	0	Asc	1	*
S. Farnborough ...	1025.9	0	-	0	ssb	26	97	2	-	-	0	Cisc	1	*
London (Kew Obsy.) ...	1026.4	0	ENE	1	ssb	33	92	2	-	-	0	Ci	*	0
Croydon	1025.9	0	E'N	2	sb-	32	92	3	-	-	0	-	*	*
Shoeburyness	1026.7	0	NE'N	1	mmb	31	75	4	-	-	0	Cisc	1	1
Clacton-on-Sea ...	1026.7	-1	ENE	3	bc	40	85	6	-	-	0	Ci	3	0
Felixstowe	1026.9	0	-	0	ssb	32	97	3	-	-	0	Acu	2	*
Lympne	1025.7	0	E'S	3	b	43	65	6	-	-	0	Ci	1	*
Scilly (St. Mary's) ...	1019.2	0	ESE	3	bc	46	92	7	4000	Stcu	3	Acu	7	4
Falmouth (Pendennis)	1020.7	+1	E'S	3	bc	45	85	7	4000	Stcu	4	Cisc	6	1
Plymouth (Cattewater)	1021.7	+1	E	4	c	45	75	8	5700	Stcu	8	Ci	9	0
Portland Bill	1022.5	+1	ENE	3	c	41	92	6	2500	St	5	Cisc	8	3
Southampton (Calshot)	1024.8	-1	ESE	4	b	39	85	6	-	-	0	Acu	1	0
Dungeness	1025.8	-1	SE	2	bc+	38	85	5	1500	Cu	1	Cicu	3	3
Guernsey (Fort George) ¶	1022.9	+1	SE	3	c+	43	85	7	4000	Stcu	2	Ci St	8	3

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

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h.-7th to 9h. 8th	Temperature. Max. 9h.-7th. 8th	Rainfall.† Night 17h.-9h. 7th-8th	Rainfall.† Day 9h.-17h. 8th	Sunshine. Sunrise to 17h. 8th	Sunshine. Sunrise to Sunset. 7th
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	b	b	36	61	-	-	9.0	9.9
Douglas (I. o. M.) ...	xb	bbz	32	54	-	-	8.7	2.2
Llandudno ...	b	b	36	62	-	-	9.7	8.0
Colwyn Bay ...	b	b	31	70	-	-	10.2	8.6
Rhyl	b	b	33	66	-	-	9.4	7.7
Wallasey	b	b	33	58	-	-	9.0	6.0
Southport	b	b	* 33	61	-	-	9.0	5.6
Blackpool	bz	bbz	34	60	-	-	8.8	5.7
Ilkley	b	b	31	66	-	-	7.8	6.7
Cleethorpes	b	b	33	64	-	-	9.5	8.0
Skegness	b	bc	29	51	-	-	8.2	5.7
Aberystwyth ...	bc	bbc	38	67	-	-	10.0	7.9
Bath	b	b	31	61	-	-	9.7	8.2
Cheltenham‡ ...	bx	bby	30	58	-	-	9.7	4.8
Leamington Spa ...	b	b	24	60	-	-	7.4	5.8
Lowestoft	b	b	31	59	-	-	10.2	4.6
Harwich & Dovercourt	xbm	bz	30	50	Trace	-	9.3	3.8
Maldon	xfb	b	22	53	Trace	-	7.6	4.0
Southend	b4	bm	31	51	Trace	-	9.3	3.4

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	bcbcb	bbc	37	61	-	-	7.5	5.6
Penzance	cbc	cbc	43	51	-	-	1.4	0.0
Paignton	bwm	bbcez	43	46	-	-	5.1	5.1
Torquay	wbcm	bcccm	41	48	-	-	6.5	4.3
Jersey	bc	bc	35	58	-	-	4.5	8.0
Weymouth	mbb	bbc	35	51	-	-	7.6	7.7
Bournemouth ...	b	b	31	55	-	-	8.5	7.8
Ventnor ...	xbz	bbcz	38	48	-	-	8.6	6.6
Portsmouth (S'thsea)	b	b	34	56	-	-	9.2	5.4
Bognor	b	b	33	48	-	-	9.5	5.1
Littlehampton ...	b	bbc	32	55	-	-	9.8	3.0
Worthing	b	b	34	54	-	-	9.6	4.0
Brighton	b	b	33	60	-	-	10.0	3.2
Eastbourne‡	b	b	33	50	-	-	9.8	3.0
Hastings‡	b	b	36	56	-	-	10.2	2.0
Folkestone	xbz	bz	33	51	-	-	9.3	2.1
Dover	jmb	bm.	30	51	-	-	9.4	3.4
Tunbridge Wells ...	b	b	28	67	-	-	10.1	2.5
Ramsgate	b	b	34	45	0.2	-	9.6	2.4
Margate	xmbc	b	33	50	-	-	9.6	2.1
Deal	b	b	28	48	-	-	8.8	

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

* Information not usually received. ¶ The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. ‡ For code see page 1. †‡ See footnote page 1.

† At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ‡ 17h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.24580 Sunday 10th March 1929. Page 1.

Observations at 13h. G.M.T. 9th / Observations at 18h. G.M.T. 9th

Stations (For heights see p. 4).	13h Barom. at M.S.L. mb.	13h Change in 3 Hours‡	13h Wind Direc.	13h Wind Force 0-12	13h Weather	13h Temp. °F.	13h Humidity %	13h Visibility§ 0-9	13h Cloud Low Height Feet	13h Cloud Low Form	13h Cloud Low Amt. 0-10	13h Cloud Upper Form	13h Cloud Total Amt. 0-10	State of ground	18h Barom. at M.S.L. mb.	18h Change in 3 Hours‡	18h Wind Direc.	18h Wind Force 0-12	18h Weather	18h Temp. °F.	18h Humidity %	18h Visibility§ 0-9	18h Cloud Low Height Feet	18h Cloud Low Form	18h Cloud Low Amt. 0-10	18h Cloud Upper Form	18h Cloud Total Amt. 0-10	Sea 0-9
Lerwick	1022.6	0	SW	1	c	46	92	6	450	St	4	ASt	10	•	1022.0	0	SW	1	c	45	92	6	1500	StCu	5	ACu	9	•
Stornoway	1023.7	-1	SW	1	b-	55	65	6	-	-	0	-	0	•	1023.3	+1	-	0	bc+	46	75	6	-	-	0	ASt	4	0
Wick	1024.0	0	NW	1	bc	47	75	8	2600	St	2	CiSt	4	•	1022.9	-1	NNW	1	mbc	43	85	4	1500	St	4	CiCu	7	0
Tiree	1024.5	0	S'E	3	b-	55	85	8	-	-	0	-	0	0	1023.6	0	E	1	bc	43	97	7	-	-	0	Ci	3	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1022.2	•	E	1	bc-	46	65	6	1500	St	3	CiSt	5	•
Aberdeen	1025.1	-1	ESE	1	b	64	65	5	-	-	0	Ci	2	1	1023.5	-1	S	1	mb	47	75	4	-	-	0	ACu	1	0
Malin Head	1024.1	0	NNE	1	bc	52	65	5	5700	StCu	1	CiCu	3	•	1022.5	-1	S	1	bc	51	65	5	5700	StCu	5	Ci	6	0
Renfrew	1025.1	-3	W	1	ffb	39	92	2	-	-	0	-	0	3	1023.6	-2	-	0	ffb	40	85	3	-	-	0	-	0	•
Edinburgh (Inchkeith)	1024.8	-3	W	1	mmbc	50	45	4	450	St	2	ACu	4	•	1025.7	+1	NE	1	bc	42	75	6	800	St	3	-	3	0
Leuchars	1025.5	-1	E	2	bc	50	55	6	-	-	0	Ci	5	1	1023.7	-1	-	0	b	40	85	6	-	-	0	ACu	2	•
Eskdalemuir	1024.5	-3	S'W	2	b	63	25	8	-	-	0	Ci	2	2	1024.9	0	NW	2	b	45	45	8	-	-	0	Ci	1	•
Tynemouth	1025.4	0	NNE	1	fbc-	53	56	4	800	St	3	Ci	5	•	1024.5	-1	-	0	bc/m	46	65	6	800	St	4	Ci	6	0
Blacksod Point	1021.6	0	E	1	bc	52	65	7	•	-	0	ACu	4	•	1020.5	0	-	0	bc	52	75	7	•	StCu	4	-	4	0
Donaghadee	1024.2	-1	SE	1	b-	51	65	5	-	-	0	CiSt	2	•	1023.1	-1	-	0	bc+	47	65	5	5700	StCu	2	CiSt	4	0
Birr Castle	1021.6	•	W	1	bc	49	65	8	4000	Cu	4	-	4	•	1020.5	•	SW	2	bc	56	75	8	2500	Cu	3	Ci	5	•
Holyhead	1023.4	-1	SSW	1	b	62	45	5	-	-	0	Ci	1	1	1022.5	0	-	0	bc	49	65	6	-	-	0	CiSt	4	0
Liverpool (Bidston)	1024.4	-1	ESE	3	b	59	35	6	-	-	0	-	0	•	1023.4	-1	SE'S	3	bc	56	45	6	-	-	0	CiSt	3	•
Chester (Sealand)	1024.8	-1	SSE	3	b	60	55	5	-	-	0	-	0	1	1023.3	-1	S'E	1	b+	52	65	5	-	-	0	Ci	2	•
Harrogate	1025.1	-1	SSE	1	b	63	35	5	2500	St	2	-	2	•	1024.6	-1	S	1	fbc	49	65	3	<150	St	3	CiSt	4	•
Spurn Head	1026.0	0	-	0	bc	58	65	6	1500	St	4	Ci	6	•	1024.1	0	SW'S	2	bc	45	75	6	1500	St	4	Ci	7	1
Birmingham (Edgbaston)	1026.1	-1	SSE	2	b	62	35	6	-	-	0	-	0	2	1024.2	-1	SE	2	mmb	59	45	4	-	-	0	-	0	•
Cranwell	1027.1	0	SSE	2	b	66	35	6	-	-	0	Ci	2	0	1025.0	-1	S'E	2	bc	54	45	6	-	-	0	Ci	3	•
Gorleston	1026.7	0	S'E	2	bc	49	92	6	-	-	0	Ci	5	•	1025.9	-1	W	1	bc	42	65	6	-	-	0	Ci	5	0
Valentia (Cahirciveen)	1019.9	-1	SE'S	2	bc	65	65	8	4000	Cu	1	CiCu	4	0	1019.3	0	S'W	2	bc	55	76	8	7200	StCu	4	ACu	6	0
Roches Point	1022.5	+1	SE	3	c	52	85	7	4000	StCu	8	-	8	•	1021.6	-1	SE	3	c	48	85	7	1500	St	3	Ci	8	5
Pembroke (St. Ann's H.)	1023.0	0	E	2	bc-	53	75	5	2600	Cu	4	CiCu	7	•	1021.9	-2	ESE	2	bc	50	85	6	4000	Cu	2	CiCu	6	2
Ross-on-Wye	1023.7	-1	E	3	b	58	45	5	-	-	0	-	0	2	1022.9	0	SE'S	2	b	57	45	8	-	-	0	Ci	1	•
Leafield	1024.6	0	SE	3	b-	60	45	6	-	-	0	-	0	2	1024.0	0	SE'E	1	b	54	45	7	-	-	0	-	0	•
Winchester (Worthy Dn.)	1024.7	-2	ESE	3	b	63	35	8	-	-	0	Ci	1	1	1024.0	0	SE'E	1	b	57	35	8	-	-	0	Ci	1	•
S. Farnborough	1026.0	-2	SE	3	b	65	25	6	-	-	0	ACu	1	0	1024.2	0	ESE	1	b	54	35	6	5700	StCu	1	-	1	•
London (Kew Obsy.)	1026.3	-2	E	3	mmb	68	46	4	-	-	0	-	0	1	1024.6	0	SE	2	b	51	35	5	-	-	0	Ci	1	•
Croydon	1025.0	-3	SE	3	b	67	25	6	-	-	0	Ci	1	2	1024.7	+1	ESE	2	b	56	45	6	-	-	0	Ci	1	•
Shoeburyness	1026.4	0	E'N	2	b	59	45	5	-	-	0	CiSt	2	•	1025.5	-1	ENE	1	b	43	86	6	-	-	0	CiSt	2	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.2	0	ESE	2	bc	47	65	6	-	-	0	Ci	3	1
Felixstowe	1026.4	-1	ESE	1	bc	52	66	6	-	-	0	Ci	3	0	1026.0	+1	ESE	1	bc	44	75	5	-	-	0	Ci	3	0
Lympne	1025.4	-2	ESE	3	bc	64	25	7	-	-	0	Ci	3	0	1024.6	0	E'N	3	b	52	55	5	-	-	0	Ci	1	•
Scilly (St. Mary's)	1020.2	+1	ESE	3	bc-	50	92	6	4000	StCu	4	CiSt	7	•	1020.0	0	SE'E	3	bc	48	92	7	4000	StCu	3	CiSt	7	2
Falmouth (Pendennis)	1021.7	0	ESE	3	c	48	85	7	4000	StCu	8	-	8	•	1021.0	0	ESE	3	bc-	47	86	6	4000	StCu	3	ACu	6	1
Plymouth (Cattewater)	1021.8	-1	ESE	5	bc	54	55	7	-	-	0	Ci	3	0	1022.1	+1	E	4	b	49	65	7	-	-	0	Ci	2	0
Portland Bill	1023.5	+1	ENE	4	bc	45	86	6	-	-	0	Ci	7	•	1022.3	-1	ENE	4	b-	45	65	6	-	-	0	Ci	2	1
Southampton (Calshot)	1026.2	-1	SE'E	4	b+	44	75	7	-	-	0	ACu	2	0	1023.1	-2	SE	2	b	43	75	6	-	-	0	Ci	1	0
Dungeness	1026.1	+3	ESE	1	bc	56	46	5	-	-	0	CiCu	5	•	1024.5	-2	ESE	1	bc	44	85	5	-	-	0	CiSt	5	1
Guernsey (Fort George)	1022.6	-1	SE	1	bc	51	65	7	-	-	0	CiSt	4	•	1021.9	-1	NE'N	1	b-	48	85	7	-	-	0	Ci	2	0

London Observations. Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.

Station	Height above M.S.L. in feet	Weather (24 hours ended 9h) Morning	Afternoon	Night	Temperature Max. Day °F.	Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Night	Sunshine to Sunset, hrs.	Humidity 13h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility§ 9h
Kew	18	bfxbmz	byz	bfFe	65	27	20	-	Tr.	8.0	•	•	
Croydon	244	bf	bczo	bzmx	67	32	24	Tr.	-	9.9	•	•	4
Greenwich (Royal Obsy.)	149	bmzy	bY	bmxf	68	31	18	-	Tr	10.3	29	69	2
City (Bunhill Row)	30	•	•	•	•	•	•	•	•	2.5	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	67	31	26	-	-	9.0	47	77	•
Regent's Pk. (Botanic Gdns.)	168	•	•	•	•	•	•	•	•	•	•	•	•
Camden Square	110	4f6	bf	•	6?	32	-	-	-	•	•	97	•
Kensington Palace	80	bmz	b	•	67	34	24	-	-	•	(At 18h) 61	91	•
Hampstead Observatory	450	•	•	•	63	37	21	-	-	9.0	•	53	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 Hrs. ended 7h. G.M.T. 10th

South Kensington			
Max.	Time.	Min.	Time.
Defective Record			

Kew Observatory			
Max.	Time.	Min.	Time.
2.9	9 10th	0.1	9 15h

Pole Star Record at Greenwich Obsy.

Exposure from 9th 19 h. 00 m. to 10th 05 h. 15 m.

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

Code for State of Ground.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Glazing to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

Table showing the Greenwich Times of Sunrise, Noon, and Sunset. 10th & 11th March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.22 / 6.20	12.4 / 12.3	17.46 / 17.48
Greenwich	6.28 / 6.26	12.11 / 12.10	17.54 / 17.56
Wick	6.47 / 6.44	12.23 / 12.23	18.0 / 18.3
Valentia	7.10 / 7.7	12.51 / 12.51	18.34 / 18.36

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—2000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

Symbols.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♁ = lunar halo.
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; − = has decreased; + = has increased.

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

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

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

§ Telegraphic Code for Surface Visibility.

Code	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† Tr. = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

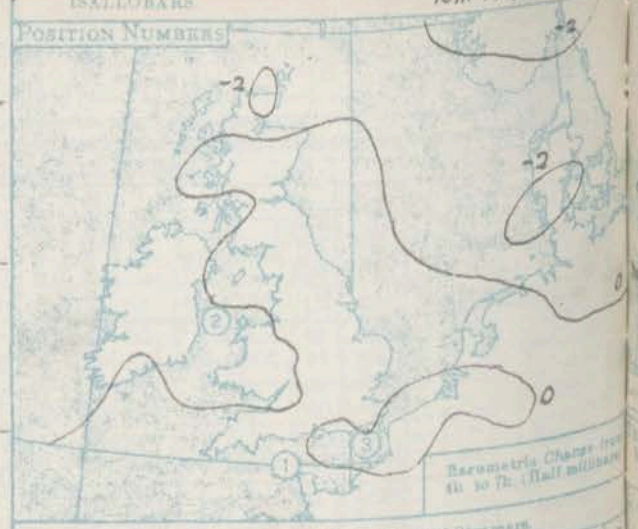
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	Weather. 7h.-18h. 9th	Weather. 18h.-18h. 9th	Weather. 18h. 9th. to 18h. 10th	Weather. 18h.-7h. 10th.	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall† Day. 7h.-18h. mm.	Rainfall† Day. 7h.-18h. began.	Rainfall† Night. 18h.-7h. mm.	Rainfall† Night. 18h.-7h. began.	Sun 9th Hours.
Lerwick	cz.	cz.	c	c	47	43	•	-	-	-	-	0.3
Stornoway	bexbz	bbcz	b-bc	bbcz	59	27	•	-	-	-	-	7.6
Wick	b-bc	bcm	b-bc	bbc	48	31	•	-	-	-	-	•
Tiree	b	bbc	b	bcm.	58	35	21	-	-	-	-	8.7
Nairn	bc	bcm.	bcx	bc	52	29	•	-	-	-	-	8.4
Aberdeen	bcfbuzy	mz.bz	bzmf	bmmx	54	30	23	-	-	-	-	6.9
Malin Head	bbczz.	bczz.	bcbzz.	bzz.	53	40	•	-	-	-	-	8.4
Renfrew	bff	bff	bffx	bffx	48	24	17	-	-	-	-	0.6
Edinburgh (Inchkeith)	bcmm	bcmmm	bcbmff	bcff	56	36	27	-	-	-	-	7.3
Leuchars	bcxcbcy	bcybyb	bbc	bbcx	51	30	22	-	-	-	-	8.7
Eskdalemuir	bcm.y	by	byx	byxbxm.	65	26	21	-	-	-	-	9.0
Tynemouth	bcff	bcm	bcff	bcff	56	35	26	-	-	-	-	•
Blacksod Point ...	bc	bc	b	bc	56	43	•	-	•	-	•	•
Donaghadee	bm.	bbcm.	bm.	bmmx	52	33	•	-	-	-	-	•
Birr Castle	bc	bc	bc	bccm.	59	33	25	-	-	-	-	5.8
Holyhead	bmzy	bbcyz.	bcbzmw	bz.m.x	63	40	32	-	-	-	-	9.5
Liverpool (Bidston) ...	bzz.y	bcz.	bz.m.	bz.	61	38	32	-	-	-	-	8.7
Chester (Sealand) ...	fbz.y	byz.m	bm.m	bmx	63	25	19	-	-	-	-	9.3
Harrogate	bybz	bbczf	bcbf	bx	66	40	28	-	-	-	-	8.4
Spurn Head	bc	bc	bcmz	bcmx	59	34	•	-	-	-	-	9.5
Birmingham (Edgbaston)	fb	b	bm	bmx	66	36	20	-	-	-	-	8.4
Cranwell	bcb	by	bm.	bm.bm	67	36	30	-	-	-	-	10.0
Gorleston	bcz.	bcz.	bz.	bz.	50	39	30	-	-	-	-	7.3
Valentia (Cahirciveen)	bbcy	bcy	bc	bc	65	48	43	-	-	-	-	8.3
Roches Point	c	c	cbcz	bcz.w	63	43	•	-	-	Tr.	-	•
Pembroke (St. Ann's H.)	cbcm	bcm.	bcbm.	bbcm.	65	41	•	-	-	-	-	7.2
Ross-on-Wye	bfbmz	by	bmwbm	bfx	63	29	20	-	-	-	-	9.7
Leafield	by	by	by	b	63	40	24	-	-	-	-	10.2
Winchester (Worthy Dn.)	bmxby	bxy	by b	bbcx	65	33	24	-	-	-	-	10.5
S. Farnborough ...	xbfz.y	bz.y	byzmx	xbmf	68	26	19	-	-	-	-	9.0
London (Kew Obsy.) ...	bfxbzy	byz	bf	bFe	65	27	20	-	-	Tr.	-	8.0
Croydon	bf	bcz.	bz	bmx	67	32	24	Tr.	-	-	-	9.9
Shoeburyness	bmxbm	bm.	bmx	bffx	59	25	19	-	-	-	-	9.3
Clacton-on-Sea ...	bcm	bcm	bcm	bcm	54	40	31	-	-	-	-	10.3
Felixstowe	bfbcy	bcz.y	cz.	bcz.x	52	33	23	-	-	-	-	10.0
Lympne	bz.y	bcy	bz.y	bxz.y	64	41	25	-	-	-	-	10.3
Scilly (St. Mary's) ...	bcc	bc	bcb	b	52	45	•	-	-	-	-	4.0
Falmouth (Pendennis)	bcc	cbcz.	bcb	bbcm.	49	39	•	-	-	-	-	2.9
Plymouth (Cattewater)	cbcy	bcyb	b	bbcw	56	42	36	-	-	-	-	8.4
Portland Bill	cbcz.	bcbz.	bz.	bbcz.	46	42	•	-	-	-	-	•
Southampton (Calshot)	bm.	bm.	bwxmbw	bwxmbw	47	35	21	-	-	-	-	~~10.3~~ 9.9
Dungeness	bcmm.	bcmfmm	bcmbz	bmzbcz	57	32	•	-	-	-	-	•
Guernsey	cbc	bcb	bm.	b	54	43	•	-	-	-	-	9.5

ISALLOBARS

10th March



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	
2	9th 10h	Cambria	NE	2	fb-	45	51	3
1	" 10h	St. Julien	E	2	bc	49	46	7

GENERAL INFERENCE.

An anticyclone is stationary over the British Isles. Fine, quiet weather will continue in most districts with warm days and rather cold nights. In the extreme West there is a tendency for the weather to become less settled.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Sunday, 10th March, 1929.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light variable to southeasterly winds; fine; local morning mist or fog; warm during the day, rather cold at night with ground frost.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light to moderate southeast winds; fine; warm during the day, rather cold at night with ground frost locally.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	As 1 - 4.
~~12. S.W. Scotland~~ Isle of Man 12 (A. W. Scotland, B. N.W. Scotland)	Light southerly to southeasterly winds, freshening later; fine at first, more cloud later; warm during the day, rather cold at night with local ground frost.
14. Mid-Scotland 15. N.E. Scotland	As 1 - 4.
16. Orkneys and Shetlands	Light variable winds; fair; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland	Freshening southerly winds; fine at first, more cloud and perhaps some drizzle later; warm during the day, ground frost locally at night.
19. S.E. Ireland	As 12 - 13B.
20. S.W. Ireland	As 17.

Further Outlook.

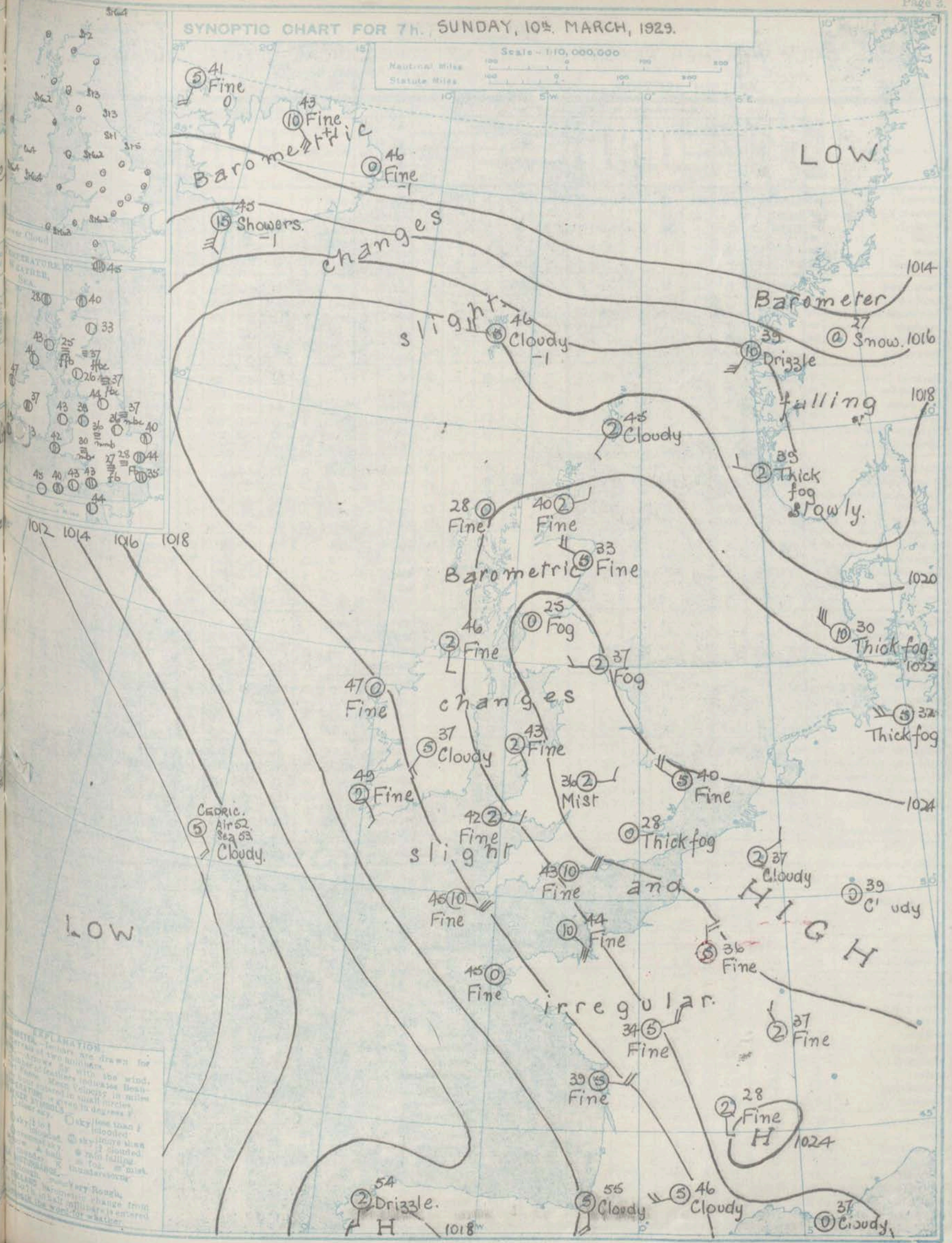
Fair weather continuing in most districts but rather unsettled in the extreme West.

L.D.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1200 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For code see page 1

†Trace = rain has fallen, but amount less than 0·1 mm.


SYNOPTIC CHART FOR 7h., SUNDAY, 10th. MARCH, 1929.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
Barometric changes
slight
Barometer falling slowly.
1014
1016
1018
1020
1022
1024
Cloudy
Drizzle
Snow.
Thick fog
Fine
Showers.
Fog
Mist
Thick fog
changes
slight and irregular.
HIGH
H
1024
CEDRIC.
Air 52.
Sea 53.
Cloudy.
LOW
Drizzle.
1018

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Sunday..10th...March.....1929. No.69.....

Stations	Height above M.S.L. in feet	Observations at 1h. G.M.T. 10th: Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility‡ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10	Sun 0-9
Lerwick	64	1021.6	+1	-	0	c	45	92	7	1500	StCu	5	ASt	9	0
Stornoway	30	1023.3	-1	-	0	b-	*	*	8	*	*	*	*	0	0
Wick	81	1023.4	0	NW	1	bc	36	85	7	2500	St	2	CiSt	4	0
Tiree	33	*	*	*	*	*	*	*	*	*	*	*	*	*	1
Nairn	89	*	*	*	*	*	*	*	*	*	*	*	*	*	5
Aberdeen	87	*	*	*	*	*	*	*	*	*	*	*	*	*	0
Malin Head	81	1022.9	0	S	2	b	45	65	5	5700	StCu	2	-	2	0
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	0
Edinburgh (Inchkeith)	190	1024.2	+1	WSW	2	ffbc	39	86	3	<150	St	3	-	3	0
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*	0
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	67	1024.5	0	W	1	ffbc	37	85	3	800	St	4	-	4	0
Blacksod Point ...	18	1020.8	0	-	0	b	47	76	7	*	StCu	2	-	2	0
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	0
Birr Castle	178	*	*	*	*	*	*	*	*	*	*	*	*	*	0
Holyhead	38	1023.3	0	-	0	b	42	76	6	-	-	0	-	0	0
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*	1
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*	2
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	0
Spurn Head	29	1024.3	0	N'W	1	bc	38	97	5	220	St	4	-	4	0
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*	2
Cranwell	236	1025.3	0	W'S	3	b	43	65	6	-	-	0	-	0	*
Gorleston	14	1025.4	-2	WNW	3	b	41	92	6	-	-	0	-	0	1
Valentia (Cahirciveen)‡	30	1019.2	0	S	3	C+	52	97	8	-	-	0	ASt	9	0
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*	1
Pembroke (St. Ann's H.)	160	1021.9	0	E	2	b	43	92	6	-	-	0	-	0	0
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	0
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	0
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*	0
St. Farnborough ...	287	*	*	*	*	*	*	*	*	*	*	*	*	*	0
London (Kew Obsy.) ...	18	*	*	*	*	*	38	*	*	*	*	*	*	*	0
Croydon	344	1025.4	0	-	0	b	38	85	6	-	-	0	-	0	0
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	0
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*	0
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	0
Lympne	350	1026.4	+1	E'S	3	b-	45	56	6	-	-	0	-	0	0
Scilly (St. Mary's) ...	160	1020.1	0	SE'E	4	b	46	92	7	4000	Cu	2	-	2	0
Falmouth (Pendennis)	200	1020.8	0	E	2	b	44	92	7	-	-	0	-	0	0
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*	0
Portland Bill	37	1022.8	0	ENE	2	b	44	85	6	-	-	0	-	0	0
Southampton (Calshot)	10	1024.4	0	SE	3	b	40	85	7	-	-	0	-	0	0
Dungeness	20	1024.8	0	SE	1	b	40	85	6	-	-	0	-	0	0
Guernsey (Fort George) ‡	206	1022.6	0	-	0	b-	40	92	6	-	-	0	-	0	0

Stations	Observations at 7h. G.M.T. 10th: Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility‡ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10	Sun 0-9
Lerwick	1020.6	-1	SW	1	c	45	92	8	1500	StCu	4	ASt	9	0
Stornoway	1021.8	-1	-	0	bc	28	86	6	-	-	0	ASt	6	0
Wick	1022.3	-2	ENE	1	bc	40	75	8	2500	St	2	CiSt	6	0
Tiree	1021.6	0	S'E	2	b-	43	97	6	-	-	0	-	0	1
Nairn	1022.3	*	-	0	bc	29	86	7	-	-	0	CiCu	5	0
Aberdeen	1023.1	0	WNW	2	b	33	85	7	-	-	0	ACu	2	0
Malin Head	1021.8	0	S	1	b	46	66	5	5700	StCu	2	-	2	0
Renfrew	1024.3	0	-	0	ffb	25	97	2	-	-	0	-	0	0
Edinburgh (Inchkeith)	1024.3	0	WSW	2	ffbc	37	85	3	150	St	3	ACu	5	0
Leuchars	1023.6	0	W	1	bc	33	86	6	-	-	0	ACu	3	*
Eskdalemuir	1025.9	0	-	0	b	26	92	6	-	-	0	Ci	2	1
Tynemouth	1024.0	0	W	1	ffbc	37	75	3	1500	St	3	-	3	1
Blacksod Point ...	1019.7	-1	-	0	bc	47	75	7	*	-	0	ACu	5	0
Donaghadee	1022.9	0	-	0	fb-	33	97	3	-	-	0	-	0	0
Birr Castle	1020.6	*	SW	2	C+	37	86	6	1500	Cu	4	ASt	9	0
Holyhead	1022.4	-1	SE'S	1	b	43	66	7	-	-	0	Ci	1	2
Liverpool (Bidston) ...	1023.9	0	SE'E	4	b	39	75	5	4000	StCu	2	-	2	0
Chester (Sealand) ...	1024.1	-1	SSE	2	mmb	26	92	4	-	-	0	/	0	*
Harrogate	1024.5	0	SW	2	b	44	56	5	2600	St	1	-	1	2
Spurn Head	1023.4	0	-	0	mmbc	37	97	4	220	St	5	-	5	1
Birmingham (Edgbaston)	1025.2	0	E	1	mb-	36	85	4	-	-	0	Ci	1	*
Cranwell	1025.5	+1	W'N	3	mb	36	76	4	-	-	0	Ci	1	1
Gorleston	1024.7	0	NW'W	2	bc	40	76	8	-	-	0	Ci	4	0
Valentia (Cahirciveen)‡	1018.4	0	SE	1	bc	49	85	8	7200	StCu	4	ACu	6	0
Roches Point	1021.1	0	SE	3	bc	43	97	7	2500	StCu	4	-	4	5
Pembroke (St. Ann's H.)	1021.7	-1	E	1	bc+	42	97	6	-	-	0	CiCu	3	1
Ross-on-Wye	1024.5	-1	-	0	fb-	30	92	4	-	-	0	Ci	1	*
Leafield	1024.5	-1	SE'E	1	b	42	65	6	-	-	0	CiSt	2	1
Winchester (Worthy Dn.)	1024.3	0	N'E	1	bc+	38	76	7	-	-	0	Ci	5	*
St. Farnborough ...	1024.7	0	E	1	ffb	27	92	3	-	-	0	Ci	2	*
London (Kew Obsy.) ...	1025.0	+1	-	0	Fb+	28	92	1	-	-	0	Ci	2	*
Croydon	1024.8	+1	-	0	mb	32	92	4	-	-	0	Ci	2	*
Shoeburyness	1024.8	0	-	0	mmb	30	86	4	-	-	0	ASt	2	1
Clacton-on-Sea ...	1024.8	0	NW	2	bc	44	76	6	-	-	0	CiSt	4	0
Felixstowe	1024.6	0	NNW	1	b	35	86	5	-	-	0	Ci	2	*
Lympne	1024.3	-1	S'W	1	b+	47	45	6	-	-	0	Ci	1	1
Scilly (St. Mary's) ...	1019.4	0	ESE	3	b	45	92	6	-	-	0	-	0	1
Falmouth (Pendennis)	1021.0	+1	NE'E	2	bc	40	97	6	4000	StCu	3	Ci	4	1
Plymouth (Cattewater)	1021.3	+1	E	2	b	43	76	7	-	-	0	Ci	2	0
Portland Bill	1021.8	+1	ENE	3	bc+	43	76	6	4000	StCu	2	Ci	6	*
Southampton (Calshot)	1023.9	-1	ESE	2	bc	36	86	5	-	-	0	Ci	4	*
Dungeness	1024.3	+1	N	1	bc+	35	86	6	-	-	0	CiSt	3	2
Guernsey (Fort George) ‡	1021.9	+1	SE	3	b	44	75	7	-	-	0	Ci	2	1

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

Stations	Weather: Forenoon.	Weather: Afternoon.	Temperature: Min. 9h.-9h.	Temperature: Max. 9h.-17h.	Rainfall†: Night 17h.-9h.	Rainfall†: Day 9h.-17h.	Sunshine: Sunrise to 12h.	Sunshine: Sunrise to Sunset.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	bc	bc	26	52	-	-	8.7	9.0
Douglas (I. o. M.) ...	xb3	bzc	39	60	-	-	8.5	9.0
Llandudno ...	b	b	37	69	-	-	9.3	10.0
Colwyn Bay ...	b	b	37	69	-	-	9.5	10.5
Rhyl	b	b	36	67	-	-	8.6	9.7
Wallasey	bz	bz	39	64	-	-	8.6	9.2
Southport	xbz	bybczy	35	67	-	-	8.5	9.0
Blackpool	bbc	bz	36	64	-	-	8.8	9.3
Ilkley	b	b	28	64	-	-	6.9	7.8
Cleethorpes	b	b	32	60	-	-	9.6	9.5
Skegness	bxb	b	34	60	-	-	9.2	8.2
Aberystwyth ...	bc	bc	45	59	-	-	9.7	10.5
Bath	b	b	36	64	-	-	9.7	10.2
Cheltenham‖ ...	by	by	38	64	-	-	9.8	9.7
Leamington Spa ...	b	b	27	65	-	-	8.5	7.4
Lowestoft	b	b	39	54	-	-	9.2	10.2
Harwich & Dovercourt	xbm	bz	31	56	-	-	10.1	9.4
Maldon	mb	b	25	59	-	-	8.9	7.6
Southend	bm	bm	35	63	-	-	9.7	9.3

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Buda	bcb	b	42	65	-	-	7.7	7.6
Penzance	c	cb	44	52	-	-	2.3	1.7
Paignton	wmbc	b	42	48	-	-	8.4	5.1
Torquay	bc b	bm	42	49	-	-	9.2	6.6
Jersey	b	bc	41	58	-	-	9.4	4.5
Weymouth	b	b	39	51	-	-	9.0	7.6
Bournemouth ...	b	b	37	66	-	-	9.0	8.5
Ventnor ...	bz	bz	42	64	-	-	10.0	8.6
Portsmouth (S'thsea)	b	b	39	57	-	-	9.7	9.2
Bognor	b	b	41	54	-	-	10.0	9.5
Littlehampton ...	b	b	43	60	-	-	10.1	9.8
Worthing	b	b	42	68	-	-	10.0	9.6
Brighton	b	b	41	65	-	-	10.2	10.0
Eastbourne‖	b	b	34	66	-	-	10.2	9.8
Hastings‖	b	b	43	61	-	-	10.3	10.2
Folkestone	byz	byz	41	58	-	-	9.6	9.3
Dover	myb	mbzy	36	59	-	-	10.1	9.4
Tunbridge Wells ...	b	b	36	66	-	-	10.4	10.1
Ramsgate	bmo	bmo	39	56	-	-	10.2	9.6
Margate	m bc	bc	35	62	-	-	10.1	9.8
Deal	b	b	31	57	-	-	9.3	9.8

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

* Information not usually received. ‡ The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station ‖ For code see page 1. ‡: See footnote page 1.

‖ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ‡ 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.24581. MONDAY, 11th MARCH, 1929.

Observations at 13h. G.M.T., 10th

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.* 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1019·1	-1	-	0	c	47	92	6	450	St	3	ASt	10	•
Stornoway	1020·8	-2	-	0	bc-	53	65	6	-	-	0	ASt	4	•
Wick	1021·5	0	SSE	1	bc	45	85	8	2500	St	4	CuCu	5	•
Tiree	1021·2	0	S	4	b	54	85	6	-	-	0	-	0	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1021·6	-2	ESE	1	b	47	75	6	-	-	0	Ci	1	1
Malin Head	1021·2	-1	SSW	1	b	59	45	6	-	-	0	CuCu	1	•
Renfrew	1022·7	-3	-	0	ffb	42	85	2	-	-	0	-	0	3
Edinburgh (Inchkeith)	1023·5	-2	W	1	ffbc	47	65	3	2150	St	3	Ci	5	•
Leuchars	1022·0	-2	WSW	3	bc	61	45	6	-	-	0	CuCu	3	1
Eskdalemuir	1022·8	-2	SSW	3	bc	59	35	6	-	-	0	Ci	5	2
Tynemouth	1022·7	-1	-	0	ffbc	55	65	3	1500	St	2	Ci	3	•
Blackpool Point	1019·1	0	E	1	bc	52	75	7	•	-	0	ACu	6	•
Donaghadee	1022·3	-1	SE	1	mmb	49	75	4	-	-	0	-	0	•
Birr Castle	1019·2	•	S	1	bc-	59	65	8	2500	Cu	3	-	3	•
Holyhead	1022·1	-1	E	1	b	57	55	7	-	-	0	CuSt	1	1
Liverpool (Bidston)	1023·0	0	E	2	bc+	57	45	6	-	-	0	ASt	4	•
Chester (Seacombe)	1023·3	-1	SSE	2	b	62	45	5	-	-	0	Ci	1	1
Harrogate	1022·9	-1	SSW	1	bc	62	35	6	2500	St	3	Ci	4	•
Spurn Head	1022·9	0	NW'N	2	mmbc	49	75	4	2150	St	5	Ci	6	•
Birmingham (Edgbaston)	1023·7	-1	S	2	b	65	35	6	-	-	0	-	0	2
Cranwell	1024·5	-1	W	2	b+	61	35	6	4000	Cu	1	-	1	0
Gorleston	1023·3	-1	NW'W	2	b	62	35	6	-	-	0	-	0	•
Valentia (Cahirciveen)	1018·0	-2	S'E	3	bc	59	55	8	4000	Cu	3	ACu	5	0
Roches Point	1020·6	-1	SE	3	bc	51	85	7	1500	St	3	-	3	•
Pembroke (St. Ann's H.)	1021·1	-1	SE	1	b-	53	85	6	-	-	0	Ci	2	•
Ross-on-Wye	1022·4	-1	N	1	b	60	45	5	-	-	0	-	0	2
Leafield	1023·5	+1	SSE	2	b	62	35	6	-	-	0	-	0	2
Winchester (Worthy Dn)	1023·2	-1	SSE	3	b	65	25	8	-	-	0	Ci	1	1
S. Farnborough	1023·3	-1	ESE	2	b	67	25	7	5700	StCu	1	Ci	1	0
London (Kew Obsy.)	1023·7	-2	W'N	1	b/f	59	35	5	-	-	0	-	0	1
Croydon	1023·8	-2	-	0	b/f	65	25	5	-	-	0	Ci	2	1
Shoeburyness	1024·2	-1	SE'S	1	b	60	45	6	-	-	0	-	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1023·7	-2	WNW	1	b	62	35	8	-	-	0	-	0	0
Lympne	1023·7	-1	SSW	2	b	61	25	7	-	-	0	Ci	1	0
Scilly (St. Mary's)	1019·1	0	ESE	4	b	52	85	6	-	-	0	-	0	•
Falmouth (Pendennis)	1020·5	0	ESE	2	bc	51	75	7	4000	Cu	1	Ci	4	•
Plymouth (Cattewater)	1021·0	-1	SSE	3	b	59	55	7	-	-	0	Ci	2	0
Portland Bill	1022·2	+1	ENE	4	bc+	47	75	6	1500	St	2	Ci	6	•
Southampton (Calshot)	1023·6	-1	SE'E	4	b-	46	65	6	-	-	0	Ci	1	0
Dungeness	1024·4	0	SE	1	b	53	55	6	-	-	0	CuCu	2	•
Guernsey (Fort George)	1021·8	-1	E	1	bc	53	55	7	-	-	0	Ci	3	•

Observations at 13h. G.M.T., 10th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.* 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1019·6	-1	-	0	ffo	43	97	3	220	St	10	-	10	•
Stornoway	1019·7	-1	SW	1	bc	50	65	5	-	-	0	ASt	4	0
Wick	1020·2	-2	SSE	1	bc	41	97	6	2500	St	4	-	4	0
Tiree	1020·0	0	S	2	b	43	85	7	-	-	0	ACu	2	1
Nairn	1019·[illegible]	•	E	1	bc	43	75	7	2500	Cu	3	CuCu	5	•
Aberdeen	1020·8	0	ENE	1	b	40	92	6	-	-	0	Ci	1	0
Malin Head	1020·1	-1	SW	1	b	53	55	6	-	-	0	-	0	0
Renfrew	1021·4	-2	S	1	mb	46	65	4	-	-	0	Ci	2	•
Edinburgh (Inchkeith)	1021·0	-2	W	1	mmb	53	55	4	2150	St	3	CuCu	4	0
Leuchars	1020·9	0	SW	2	bc+	49	75	6	-	-	0	CuSt	4	•
Eskdalemuir	1022·4	0	W'N	1	bc	45	55	6	-	-	0	Ci	4	•
Tynemouth	1021·5	0	SE	1	ffbc	46	75	3	1500	St	4	-	4	1
Blackpool Point	1018·4	0	-	0	b	52	75	7	•	-	0	Cu	2	0
Donaghadee	1021·6	-1	S	1	mmb	48	75	4	-	-	0	-	0	1
Birr Castle	1019·0	3	SW	2	bc+	43	85	7	2500	Ci	39	-	39	•
Holyhead	1020·8	-1	SE	1	b	55	55	6	-	-	0	-	0	0
Liverpool (Bidston)	1021·5	-2	SE	3	bc	58	45	5	-	-	0	CuSt	3	•
Chester (Seacombe)	1021·7	-2	S'E	2	bc+	52	65	6	5700	StCu	1	Ci	3	•
Harrogate	1021·2	-1	SSW	2	bc	55	35	5	2500	St	3	CuSt	5	•
Spurn Head	1021·8	0	SE'E	2	bc	47	75	5	1500	St	5	Ci	7	2
Birmingham (Edgbaston)	1022·3	-1	S	1	b	59	45	5	-	-	0	Ci	2	•
Cranwell	1023·0	-1	WNW	1	c+	57	45	7	4000	St	1	Ci	8	•
Gorleston	1022·4	0	-	0	bc+	47	55	6	2500	St	3	Ci	6	0
Valentia (Cahirciveen)	1018·4	+1	SE'S	3	b	55	65	8	4000	Cu	1	ACu	2	0
Roches Point	1020·1	-1	SE	3	bc	50	92	7	1500	St	3	-	3	5
Pembroke (St. Ann's H.)	1021·1	-1	E	1	b-	53	75	5	-	-	0	Ci	1	0
Ross-on-Wye	1021·6	-1	SE	2	b	59	35	8	-	-	0	Ci	1	•
Leafield	1022·5	-1	ESE	2	b	54	45	7	-	-	0	CuSt	1	•
Winchester (Worthy Dn)	1022·6	0	SE	1	b	56	35	8	-	-	0	Ci	1	•
S. Farnborough	1022·4	-1	-	0	b	53	45	5	-	-	0	ASt	1	•
London (Kew Obsy.)	1022·3	-1	-	0	fb+	48	65	2	-	-	0	-	0	•
Croydon	1022·3	-1	-	0	fb-	52	55	4	-	-	0	Ci	2	•
Shoeburyness	1022·5	-3	SW	1	b	46	75	7	-	-	0	ASt	1	•
Clacton-on-Sea	1022·6	-1	WSW	1	bc	55	55	6	-	-	0	Ci	3	1
Felixstowe	1022·1	0	-	0	bc	56	45	7	-	-	0	Ci	4	0
Lympne	1022·3	-1	-	0	b	53	35	6	-	-	0	Ci	1	•
Scilly (St. Mary's)	1019·4	0	SE	3	b	48	92	6	-	-	0	Ci	1	1
Falmouth (Pendennis)	1020·6	0	-	0	bc+	47	85	7	4000	StCu	3	-	3	0
Plymouth (Cattewater)	1020·6	+1	E	4	b	51	55	7	-	-	0	Ci	1	0
Portland Bill	1021·2	-1	ENE	2	b	44	75	6	2500	StCu	1	Ci	2	1
Southampton (Calshot)	1022·5	-1	SE	4	b	44	65	6	-	-	0	-	0	0
Dungeness	1022·5	-3	SE	1	bc/m	48	65	6	2500	Cu	1	CuSt	4	1
Guernsey (Fort George)	1020·8	-2	E	1	b	52	55	7	-	-	0	-	0	0

LONDON OBSERVATIONS.

Day 7h.-18h., Kew & Croydon. 9h.-13h., Kensington. 9h.-21h., other stations.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Temperature. Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset. hrs.	Humidity. 18h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9a.
		24 HOURS ENDED 9a.								YESTERDAY.	TO-DAY.		
Kew	18	bf bxy	bxf	bfwx	61	29	20	-	Tr	5·1	*	*	3
Croydon	264	bf bxy	bxf	bxwx	67	32	25	-	-	7·2	*	*	3
Greenwich (Royal Obsy.)	149	bf bxy	bxy	bxfw	65	30	19	-	Tr	9·4	26	59	2
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0·7	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	57	29	19	-	-	2·2	65	98	*
Regent's Pk. (Botanic Gdns.)	166	*	*	*	*	*	*	*	*	1·2	*	*	*
Camden Square	110	bf	fb	*	55	32	-	-	-	*	*	89	*
Kensington Palace	80	bxm	bf	*	56	31	23	-	-	*	(At 18h.) 9·3	93	*
Hampstead Observatory	450	*	*	*	60	32	21	-	-	4·3	*	60	*

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 7h. G.M.T., 11th

South Kensington

Max.	Time.	Min.	Time.
3·6	22h. 10m.	0·4	6h. 11m.

Kew Observatory

Max.	Time.	Min.	Time.
2·2	23h. 20m.	0·3	13h. 10m.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 10h. 19m. to 11h. 9m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	10·15	6·59	68
β Ursæ Minoris	10·15	3·18	32

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET.

11th 12th March, 1929.

Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6·20	12·3	17·48
	6·18	12·3	17·49
Greenwich	6·26	12·10	17·55
	6·24	12·10	17·57
Wick	6·44	12·23	18·3
	6·41	12·22	18·5
Valentia	7·7	12·51	18·36
	7·5	12·51	18·38

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—11,000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
x dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). { before (for precipitation).
⊕ = solar halo. ☿ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "sandwich" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; − = has decreased; + = has increased.

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

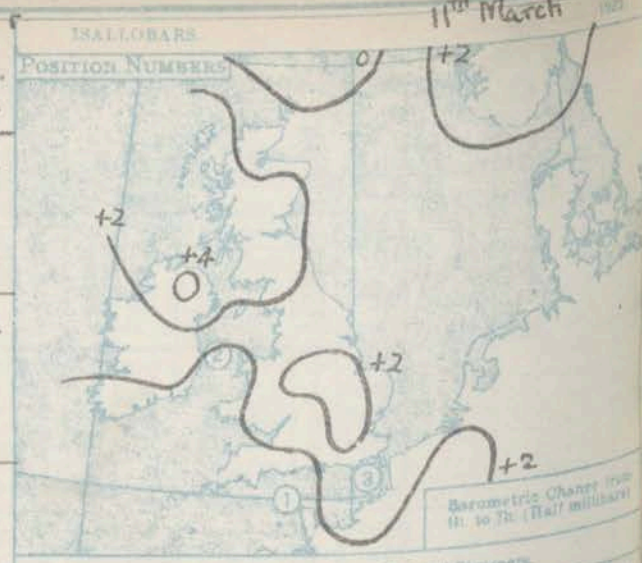
§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1½ miles.
5. Poor visibility.	2½ "
6. Moderate.	6½ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-13h. 10h.	Weather. 13h.-18h. 10h.	Weather. 18h. 10h. to 1h. 11h.	Weather. 1h.-7h. 11h.	Temperature. Max. Day 7h.-18h.	Temperature. Min. Night 18h.-7h.	Temperature. Min. on Grass	Rainfall.† Day, 7h.-18h. mm	Rainfall.† Day, 7h.-18h. began.	Rainfall.† Night, 18h.-7h. mm.	Rainfall.† Night, 18h.-7h. began.	Sun. 10h. Hours.
Lerwick	bcz	coffb	cifebc	fabam₀	50	39	•	-	-	Tr.	-	1.0
Stornoway	bcz	bcz	b'bc	bazz	55	29	•	-	-	-	-	7.5
Wick	b-bc	b-bc	bbc	b-bc	47	34	•	-	-	-	-	•
Tiree	b	bbc	baa	bba	54	36	25	-	-	-	-	9.4
Nairn	baa	bbc	bax	bc	50	32	•	-	-	-	-	9.2
Aberdeen	bx bz₀	bz₀	bz₀m	bmx	51	30	23	-	-	-	-	9.6
Kalin Head	byz₀z₀	bz₀z₀	bz₀z₀	bz₀z₀	61	39	•	-	-	-	-	9.7
Renfrew	bff	bffz₀	bmx	bffx	58	24	17	-	-	-	-	4.5
Edinburgh (Inchkeith)	bcff	bcffmm	bcmm₀m₀	bam₀m₀mm	56	36	32	-	-	-	-	6.9
Leuchars	bcx bcm₀	bcybyb	bcbm₀	bxm₀	63	34	28	-	-	-	-	8.6
Eskdalemuir	bm₀byz₀	bcyz₀	bx	bx	60	25	21	-	-	-	-	9.3
Tynemouth	bcff	bcff	bcff	bbcff	62	35	26	-	-	-	-	•
Blackwood Point ...	bc	b	b	b	57	33	•	-	•	-	•	•
Donaghadee	bfmm	bmm	bm₀m₀	bm₀x	54	33	•	-	-	-	-	•
Birr Castle	bbc	bcc	c	mocm₀	61	33	25	-	-	-	-	9.6
Holyhead	bz₀by	by	bz₀	bz₀wx	65	33	31	-	-	Tr.	-	10.0
Liverpool (Bidston) ...	zbz₀y	bcz₀y	bm₀	xbmcm	62	43	27	-	-	-	-	9.3
Chester (Sealand) ...	bmz₀y	bz₀ybcm₀	bm₀	bbamx	64	27	20	-	-	-	-	9.2
Harrogate	bbc	bcz	baa	bx	65	40	29	-	-	-	-	6.3
Spurn Head	bcfm	bcmmz	bcm	bcmmx	53	35	•	-	-	-	-	7.8
Birmingham (Edgbaston)	bf'b	b	b	bx	64	41	21	-	-	-	-	9.1
Cranwell	bm	bc	cb	bm	65	35	30	-	-	-	-	8.4
Gorleston	bcbzy	bbcyz₀	bcbm₀	bbam₀	64	37	31	-	-	-	-	9.0
Valentia (Cahirciveen)	bc bcy	bcyb	b	bwb	63	38	35	-	-	Tr.	-	8.1
Roches Point	bcz₀	bc	bc	bcffbc	52	37	•	-	-	Tr.	-	•
Pembroke (St. Ann's H.)	bc bm₀	bm₀	bm₀	bm₀	54	37	•	-	-	-	-	9.8
Ross-on-Wye	bmbz	by	bmbfw	bfx	65	28	19	-	-	-	-	10.~~4~~7 Std
Leafield	by	by	by	by	63	41	25	-	-	-	-	9.6
Winchester (Worthy Dn.)	bx by	by	by	bx	66	27	20	-	-	-	-	10.6
S. Farnborough ...	bxff by	by	byz₀x	bm₀x	68	25	18	-	-	Tr.	-	8.9
London (Kew Obsy.) ...	bf bzy	bzyf	bfw	bfx	61	29	20	-	-	Tr.	-	6.1
Croydon	byfz₀	byzff	bzzy	bz₀xm	67	32	25	-	-	-	-	7.2
Shoeburyness	bfx bz₀	bx b	bm	bm	61	27	19	-	-	-	-	9.3
Clacton-on-Sea ...	bcm bm	bm bcmy	babybm	bmbc	58	39	33	-	-	-	-	10.1
Felixstowe	bz₀y	b bcy	bcy	bcz₀x	64	35	24	-	-	-	-	10.3
Lympne	by	by bz₀y	bz₀y	bm₀ybm	61	37	27	-	-	-	-	10.8
Scilly (St. Mary's) ...	b	b	b	b	53	43	•	-	-	-	-	10.1
Falmouth (Pendennis)	bcm₀	bcb	bcb	b	52	39	•	-	-	-	-	9.8
Plymouth (Cattewater)	bwy	by	by	bx	61	36	29	-	-	-	-	10.1
Portland Bill	bcbz	bcbz₀	b	b	49	42	•	-	-	-	-	•
Southampton (Calshot)	bm₀bm₀	bm₀	bxm₀	bxm₀	48	30	22	-	-	-	-	9.8
Dungeness	bcz	bzzbcm	bcb	bbaz	(55)	34	•	-	-	-	-	•
Guernsey	bbcy	baby	b	bx	57	46	•	-	-	-	-	10.5



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Tendency

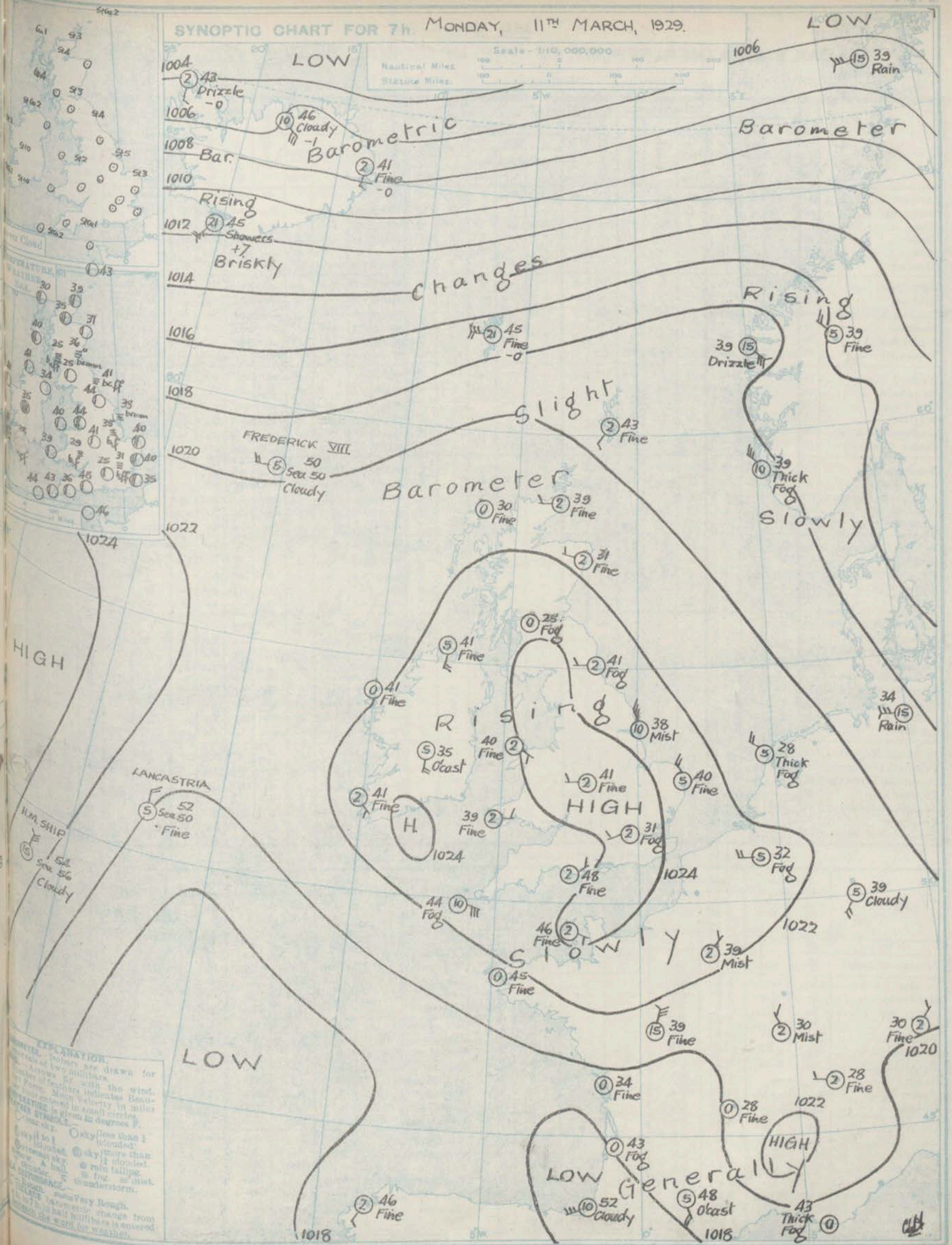
GENERAL INFERENCE.

An anticyclone covers the British Isles and a larger anticyclone is approaching from the Atlantic. Settled fine weather will continue with warm days but cold nights.

Districts.	Forecasts for the 24 hours commencing 12 Noon G Monday, 11th March, 1929.	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. S.E. Scotland 12. S.W. Scotland & Isle of Man 13 A. W. Scotland 13 B. N.W. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	ALL DISTRICTS. Light variable breeze; bright; local fog night and morning; warm by day, ground frost at night.	Fair weather all this week. Day temperature probably becoming less high.

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

† For code see page 1. † Trace = rain has fallen, but amount less than 0.1 mm.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....MONDAY, 11th MARCH.....1929. No. 70....

STATIONS.	Height above M.S.L. in feet.	Observations at 1h. G.M.T. 11th: Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1018·8	-2	-	0	bc	40	97	8	1500	StCu	2	a-St	4
Stornoway	30	1020·8	0	-	0	b-	*	*	*	*	*	*	*	0
Wick	81	1020·2	0	W	1	bc	39	85	8	1300	St	6	-	6
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	81	1021·7	+1	S	1	b	45	75	6	-	-	0	-	0
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	100	1021·6	+1	WSW	2	bc	40	85	5	800	St	3	-	3
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	87	1022·1	+1	W	2	b/f	45	65	6	-	-	0	-	0
Blacksod Point ...	13	1020·7	+1	-	0	b	44	92	6	*	-	0	-	0
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	70	1022·4	+2	S	1	b	43	75	6	-	-	0	-	0
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Seelaud) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	29	1021·8	0	N	2	mbc+	36	97	4	220	St	6	-	6
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	236	1025·3	+1	W	3	b-	41	65	6	-	-	0	-	0
Gorleston	14	1022·3	0	WNW	3	b	38	92	5	-	-	0	-	0
Valentia (Cahirciveen) P	30	1020·6	+2	E	2	b-	47	92	9	-	-	0	-	0
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	160	1022·1	+3	E	1	b	42	97	6	-	-	0	-	0
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	237	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	18	*	*	*	*	*	35	*	*	*	*	*	*	*
Croydon	244	1023·4	0	SSW	1	b	37	75	5	-	-	0	-	0
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1022·8	0	N	3	b-	46	45	6	-	-	0	-	0
Scilly (St. Mary's) ...	162	1020·4	0	SE'E	3	b	45	92	7	-	-	0	-	0
Falmouth (Pendennis)	200	1021·7	+1	-	0	b	40	92	7	-	-	0	-	0
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	32	1021·8	+1	ENE	3	b	49	45	8	-	-	0	-	0
Southampton (Calshot)	10	1023·2	+1	N'W	2	b	37	85	5	-	-	0	-	0
Dungeness	20	1022·7	+1	NNW	1	b-	39	75	7	-	-	0	-	0
Guernsey (Fort George) P	206	1023·0	+2	-	0	b-	47	75	7	-	-	0	-	0

STATIONS.	Observations at 7h. G.M.T. 11th: Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Rain
Lerwick	1018·7	-1	SW	1	b	43	85	6	1500	St.Cu.	2	-	2	*
Stornoway	1020·9	+3	-	0	bc	30	85	6	4000	Cu.	1	A.St.	4	0
Wick	1021·0	+1	W	1	bc	39	75	7	2500	St.	3	-	4	0
Tiree	1022·5	+1	S	2	bc	40	97	6	4000	Cu.	4	-	4	1
Nairn	1021·6	*	-	0	bc	35	85	7	1500	St.	4	-	4	*
Aberdeen	1021·7	+2	WNW	1	b	31	97	5	-	-	0	A.Cu.	1	0
Malin Head	1022·9	+2	S'W	2	b	41	85	6	5700	St.Cu.	2	-	2	0
Renfrew	1023·8	+2	-	0	ffb	25	97	2	-	-	0	-	3	0
Edinburgh (Inchkeith)	1022·5	+2	WSW	2	mbc	36	85	4	4500	St.	3	-	1	*
Leuchars	1022·2	+3	SW	3	b-	37	75	6	-	-	0	A.Cu.	1	*
Eskdalemuir	1023·1	+2	-	0	b	25	92	8	-	-	0	Ci.	1	0
Tynemouth	1023·6	+2	W	1	ffbc	41	65	3	800	St.	4	-	4	0
Blacksod Point ...	1021·8	+1	-	0	b	41	~~97~~ 85	7	*	St.	2	-	2	0
Donaghadee	1023·4	+2	-	0	b	34	92	5	-	-	0	-	10	*
Birr Castle	1022·7	*	S	2	0	35	97	6	800	St.	10	-	10	0
Holyhead	1023·9	+3	SE'E	1	b	40	85	6	-	-	0	Ci.	1 8	*
Liverpool (Bidston) ...	1024·2	+1	-	0	mmbc	44	55	4	1500	St.	2	Ci.	7	*
Chester (Seelaud) ...	1023·9	+2	SE'E	1	mmbc	~~[illegible]~~ 27	97	4	-	-	0	Ci.	6	*
Harrogate	1023·9	+1	SW	3	b	44	55	7	-	-	0	Cu.St.	1	*
Spurn Head	1022·7	0	NNW	3	mmbc	~~[illegible]~~ 38	97	4	450	St.	5	Ci.Cu.	6	*
Birmingham (Edgbaston)	1024·9	+2	W	1	b	41	75	5	-	-	0	Ci.	2	*
Cranwell	1024·3	+2	W'N	3	fb-	35	85	4	-	-	0	Ci.	1	0
Gorleston	1022·6	+1	NNW	2	bc	40	85	6	2500	St.	3	Ci.	5	0
Valentia (Cahirciveen) P	1023·0	+3	SE'S	1	b	41	92	8	5700	St.Cu.	1	-	1	0
Roches Point	1024·0	+3	N	2	ffo	38	97	3	4500	St.	10	-	10	1
Pembroke (St. Ann's H.)	1022·9	+2	E	1	b	39	92	6	-	-	0	Cu.Cu.	1	1
Ross-on-Wye	1024·7	+1	W'S	1	fb-	29	97	4	-	-	0	Ci.	2	*
Leafield	1024·3	+1	NW'N	1	b	44	45	8	-	-	0	Cu.St.	1	*
Winchester (Worthy Dn.)	1024·6	+1	-	0	b	29	92	8	-	-	0	A.St.	2	*
S. Farnborough ...	1024·7	+2	WSW	1	b	25	97	6	-	-	0	Cu.St.	1	*
London (Kew Obsy.) ...	1024·7	+3	WSW	1	ffb	31	92	3	-	-	0	Cu.St.	1	*
Croydon	1024·4	+2	-	0	mmb	33	85	4	-	-	0	Ci.	1	*
Shoeburyness	1023·7	+2	WNW	2	fb-	40	75	4	-	-	0	Ci.	4	2
Clacton-on-Sea ...	1023·4	+1	NW	3	bc	40	65	6	-	-	0	A.Cu.	6	1
Felixstowe	1023·0	0	WNW	2	bc	37	85	5	-	-	0	Cu.St.	1	*
Lympne	1023·4	+1	N'W	4	mb	42	55	4	-	-	0	Ci.	1	*
Scilly (St. Mary's) ...	1023·3	+2	ESE	3	b	44	92	6	-	-	0	-	0	0
Falmouth (Pendennis)	1022·2	+2	E	1	b+	43	75	7	4000	St.Cu.	2	-	2	0
Plymouth (Cattewater)	1023·6	+2	NNE	2	b	36	85	7	-	-	0	Ci.	1	*
Portland Bill	1023·1	+2	ENE	1	b	43	45	8	2500	St.Cu.	1	-	0	0
Southampton (Calshot)	1024·2	+2	NW'N	3	b	30	85	5	-	-	0	-	3	1
Dungeness	1023·4	+1	~~NNW~~ N	1	bc	35	75	6	-	-	0	Cu.St.	0	0
Guernsey (Fort George) P	1024·4	+2	ESE	1	b	46	75	7	-	-	0	-		

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 9th to 9h. 10th. °F.	Temperature. Max. 9h.-17h. 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.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	bc	bc	34	65	-	-	7·6	8·7
Douglas (I. o. M.) ...	xbz	bz	39	56	-	-	9·5	8·6
Llandudno ...	b	b	39	65	-	-	9·8	9·4
Colwyn Bay ...	b	b	36	67	-	-	10·2	9·6
Rhyl	b	b	32	67	-	-	9·8	9·9
Wallasey	bzb	b	40	64	-	-	9·5	8·6
Southport	bzy	ybz	35	66	-	-	9·6	8·5
Blackpool	bz	bbc	38	64	-	-	9·6	8·8
Ilkley	b	b	32	69	-	-	6·4	6·9
Cleethorpes	bfg	bfbc	31	63	-	-	7·2	9·6
Skegness	bxb	bbc	34	63	-	-	6·8	9·2
Aberystwyth ...	bc	xbc	42	65	-	-	9·7	9·7
Bath	b	b	34	65	-	-	9·8	10·2
Cheltenham ...	bby	bby	?	66	-	-	10·0	10·2
Leamington Spa ...	b	b	26	66	-	-	8·6	8·5
Lowestoft	b	b	40	64	-	-	9·6	9·2
Harwich & Dovercourt	xbm	bbcz	32	65	-	-	10·0	10·1
Malton	mb	b	27	66	-	-	9·0	8·9
Southend	bf	b	37	64	-	-	9·6	9·7

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Buds	b	bbz	30	64	-	-	9·0	8·1
Penzance	b	b	40	57	-	-	8·2	2·3
Paignton	wbm	bbz	31	51	-	-	9·0	8·4
Torquay	bzm	bbz	38	52	-	-	9·7	9·4
Jersey	bz	b	40	63	-	-	9·8	9·8
Weymouth	b	b	40	54	-	-		9·3
Bournemouth ...	b	b	35	61	-	-	10·0	9·2
Ventnor ...	bz	bz	48	58	-	-	9·5	10·3
Portsmouth (S'thsea)	b	b	40	61	-	-	9·4	10·0
Bognor	b	b	43	55	-	-	10·2	10·4
Littlehampton ...	b	b	38	60	-	-	10·1	10·6
Worthing	b	b	43	61	-	-	10·0	10·4
Brighton	b	b	41	59	-	-	10·0	10·7
Eastbourne	mb	bm	33	56	-	-	10·5	10·4
Hastings	b	b	45	60	-	-	10·3	10·6
Folkestone	bzy	b	36	60	-	-	9·7	9·6
Dover	mb	bm	35	54	-	-	10·3	10·1
Tunbridge Wells ...	fb	fb	34	65	-	-	10·3	10·4
Ramsgate	bm	bm	41	57	-	-	10·4	10·2
Margate	bcb	bbc	37	62	-	-	10·3	10·4
Deal	b	b	32	59	-	-	10·1	9·3

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

* Information not usually received. P The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station ‡ For code see page 1. †‡ See footnote page 1.

† At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ‡ 17h.-9h.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 24582 Tuesday, 12th March 1929.

STATIONS. (For heights see p. 4).	Observations at 13h. G.M.T. 11th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	Observations at 18h. G.M.T. 11th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1019.5	+1	W'S	1	bc	48	85	7	1500	StCu	3	ACu	5	•	1021.2	+1	NW	1	bc	48	92	7	1500	StCu	2	ACu	4	•
Stornoway	1024.5	+4	W	1	o+	50	85	6	4000	St	10	-	10	•	1026.7	+3	W	1	o	50	92	6	2500	St	10	–	10	0
Wick	1022.9	+3	SW	1	bc	48	75	7	2500	St	3	-	3	•	1025.1	+1	NW	2	bc	47	92	7	1500	St	5	–	5	0
Tiree	1025.4	+2	NW	3	bc+	52	97	6	-	-	0	ACu	5	0	1022.4	+2	N'E	1	o	49	85	6	800	St	10	–	10	1
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1025.1	•	–	0	bc	47	85	6	2500	Cu	4	–	4	•
Aberdeen	1023.3	+1	-	0	b	55	65	5	-	-	0	-	0	1	1025.1	+3	–	0	b	47	85	6	–	–	0	–	0	0
Malin Head	1026.2	+3	WNW	2	bc+	52	85	6	-	-	0	ACu	3	•	1028.0	+3	WNW	2	c	49	92	6	5700	StCu	8	ACu	9	0
Renfrew	1024.4	0	WNW	2	b	56	55	5	-	-	0	-	0	1	1025.7	+2	W	2	b	49	75	6	–	–	0	–	0	•
Edinburgh (Inchkeith)	1024.3	0	W	3	bcm	50	92	4	450	St	3	-	3	•	1024.4	+1	W	1	o	54	55	5	450	St	10	–	10	0
Leuchars	1023.0	+1	E	2	b	56	65	6	-	-	0	-	0	1	1024.6	+1	–	0	b	49	75	6	–	–	0	Ci	1	•
Eskdalemuir	1024.2	0	WSW	2	b	57	45	6	-	-	0	-	0	2	1026.4	+3	N'W	2	b	45	75	6	–	–	0	Ci	2	•
Tynemouth	1022.5	0	WNW	2	bc/f	61	55	6	800	St	3	-	3	•	1025.0	+2	–	0	bc	50	55	6	800	St	4	–	4	0
Blacksod Point ...	1026.5	+3	-	0	b	53	75	7	•	Cu	1	-	1	•	1027.6	+1	N	1	b	50	85	7	•	–	0	–	0	1
Donaghadee	1024.9	+1	-	0	bmm	53	65	4	-	-	0	-	0	•	1026.3	+1	–	0	b	48	75	5	–	–	0	–	0	0
Birr Castle	1024.5	•	SE	1	b.	58	55	8	2500	Cu	2	-	2	•	1025.4	•	S	1	bc–	60	65	8	2500	(Cu)	(3)	–	(3)	•
Holyhead	1025.7	~~0~~ 3'	NW	1	b	50	75	6	-	-	0	Ci	1	0	1026.4	+1	–	0	b	48	75	6	–	–	0	–	0	0
Liverpool (Bidston) ...	1023.8	+2	NW'W	2	bc-	54	35	7	-	-	0	Ci	3	•	1026.3	0	W'N	1	b	47	65	5	–	–	0	–	0	•
Chester (Sealand) ...	1025.1	+1	NW	3	b	55	45	6	-	-	0	-	0	1	1026.0	+2	NW	3	b	45	75	6	–	–	0	–	0	•
Harrogate	1023.9	+1	W	4	b	61	35	7	-	-	0	-	0	•	1024.7	+1	SW	3	b	52	65	7	–	–	0	Ci	1	•
Spurn Head	1023.7	0	NNW	2	bc	55	65	5	800	St	4	Ci	5	•	1023.5	0	NE	2	bc+	45	85	5	1500	St	6	Ci	7	2
Birmingham (Edgbaston)	1024.6	0	WNW	2	b	61	35	6	-	-	0	-	0	2	1025.4	+1	NW	3	b	56	55	5	–	–	0	–	0	•
Cranwell	1024.3	0	N'W	2	b	62	45	6	-	-	0	-	0	0	1024.6	+1	NW'N	2	~~mbc+~~	49	55	4	4000	St	7	–	7	•
Gorleston	1023.4	+1	NE'N	3	b	59	45	5	-	-	0	-	0	•	1024.0	0	NNW	2	b	51	92	5	–	–	0	Ci	2	0
Valentia (Cahirciveen)	1025.4	+2	S'W	2	b	59	55	8	5700	Cu	1	-	1	0	1026.4	+2	NW'W	2	b	53	75	8	–	–	0	–	0	0
Roches Point	1025.7	+1	N	2	b	52	85	7	1500	St	2	-	2	•	1026.4	+2	S	2	b	50	85	7	1500	St	2	-	2	1
Pembroke (St. Ann's H.)	1024.9	+2	SE	1	b	55	65	6	-	-	0	Ci	2	•	1025.5	0	WNW	1	b	53	65	6	–	–	0	–	0	0
Ross-on-Wye	1024.6	+1	NW'W	2	b	60	35	7	-	-	0	Ci	1	2	1024.8	+1	W'S	1	b	57	45	7	–	–	0	–	0	•
Leafield	1024.8	+2	NW'N	2	b	61	25	8	-	-	0	Ci	1	0	1025.3	+1	NW'W	2	b	54	35	6	–	–	0	CiSt	1	•
Winchester (Worthy Dn.)	1024.4	0	N'W	2	b	62	35	8	-	-	0	-	0	1	1025.9	+2	NW	1	b	51	55	8	–	–	0	Ci	2	•
S. Farnborough ...	1024.3	-1	N'W	2	b	66	25	7	-	-	0	-	0	0	1024.7	+1	NNW	1	bc+	56	35	6	–	–	0	ACu	4	•
London (Kew Obsy.) ...	1024.7	0	N	2	b/f	61	25	6	-	-	0	-	0	1	1024.8	+1	NNW	1	b	56	45	6	–	–	0	ACu	1	•
Croydon	1024.3	-1	NW'N	3	bf+	61	35	3	-	-	0	-	0	2	1024.8	+2	–	0	fb+	52	55	3	–	–	0	–	0	•
Shoeburyness ...	1024.0	+1	N'W	2	b	63	55	6	-	-	0	ASt	2	•	1024.3	+1	NNE	2	b	44	85	6	–	–	0	–	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1024.4	0	NNE	3	bc	47	65	6	–	–	0	CiSt	4	L
Felixstowe	1023.4	-1	NNW	3	b	62	45	6	-	-	0	-	0	0	1024.5	+1	–	0	mmb	43	75	4	–	–	0	Ci	2	0
Lympne	1023.2	-1	N	4	b	60	35	5	-	-	0	-	0	0	1023.9	+2	N	2	b	54	45	5	–	–	0	Ci	1	•
Scilly (St. Mary's) ...	1024.5	+3	ESE	3	b	54	65	6	-	-	0	-	0	•	1025.0	+1	ESE	3	b	49	85	6	–	–	0	–	0	1
Falmouth (Pendennis)	1024.4	+1	SE'E	1	b	56	65	6	-	-	0	-	0	•	1025.4	+1	–	0	b+	53	45	7	4000	StCu	2	–	2	0
Plymouth (Cattewater)	1024.8	+1	SW	2	b	57	45	7	-	-	0	-	0	0	1025.8	+2	–	0	b	52	55	6	–	–	0	–	0	0
Portland Bill	1024.7	+1	-	0	b	57	45	6	-	-	0	-	0	•	1024.8	0	NW	3	b+	50	45	6	–	–	0	ACu	2	0
Southampton (Calshot)	1024.7	-1	NW'W	2	b	55	55	6	-	-	0	-	0	0	1025.1	+2	–	0	bc+	49	65	6	–	–	0	Ci	4	0
Dungeness	1023.6	+1	N	2	b/m	60	35	6	-	-	0	-	0	•	1023.6	0	N	1	bc+	50	65	5	–	–	0	ACu	4	1
Guernsey (Fort George)	1024.8	+1	NNE	2	b	52	65	7	-	-	0	-	0	•	1025.1	+1	NNE	2	b	50	55	7	–	–	0	Ci	1	0

LONDON OBSERVATIONS. Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.	Height above M.S.L. in feet.	WEATHER. 24 Hours ended 9h. Morning.	Afternoon.	Night.	TEMPERATURE. Max. Day °F.	Min. Night °F.	Min. on Grass °F.	RAINFALL mm. Day.	Night.	SUNSHINE to Sunset, hrs.	HUMIDITY. 15h. G.M.T. % Yesterday.	9h. G.M.T. % To-day.	Visibility 9h.
Kew	18	bfxby	byx₀	bymxf	64	32	21	-	Tr.	9.0	•	•	4
Croydon	244	bxffy	bfxyf	bfxmff	62	33	24	–	–	7.4	•	•	3
Greenwich (Royal Obsy.)	149	bzfy	bfyz	byfmfz	65	36	21	–	Tr.	7.6	33	75	4
City (Bunhill Row) ...	80	•	•	•	•	•	•	•	•	3.8	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	66	36	27	–	–	4.2	43	80	•
Regent's Pk. (Botanic Gdns).	188	•	•	•	•	•	•	•	•	4.8	•	•	•
Camden Square.. ...	110	xbfb	b	•	66	37	-	–	–	•	•	78	•
Kensington Palace ...	80	bxfbm	b	•	66	36	25	–	–	•	(At 18h) 59	75	•
Hampstead Observatory ...	450	•	•	•	64	36	28	–	Tr.	9.6	•	84	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 12th

South Kensington: Max.	Time.	Min.	Time.
DEFECTIVE RECORD			

Kew Observatory: Max.	Time.	Min.	Time.
1.1	22h 11th	0.1	14h 11th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 11th 19 h. 00 m. to 12th 05 h. 15 m.

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

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET.

12th and 13th MARCH, 1929.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.18	12.03	17.49
	6.15	12.03	17.51
Greenwich	6.24	12.10	17.57
	6.22	12.10	17.59
Wick	6.41	12.22	18.05
	6.38	12.22	18.07
Valentia	7.05	12.51	18.38
	7.03	12.51	18.39

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♁ = lunar halo.
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; – = has decreased; + = has increased.

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

§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m	

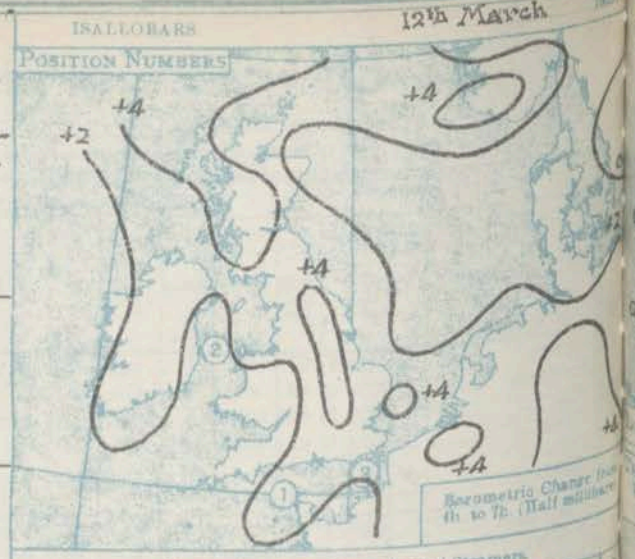
† Trace = rain has fallen, but amount less than 0·1 mm. • Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 11th	WEATHER. 18h.-18h. 11th	WEATHER. 18h. 11th to 1h. 12th	WEATHER. 1h.-7h. 12th	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on Grass	RAINFALL.† Day, 7h.-18h. mm.	RAINFALL.† Day, 7h.-18h. began.	RAINFALL.† Night, 18h.-7h. mm.	RAINFALL.† Night, 18h.-7h. began.	SUN 11th. Hours.
Lerwick	bc3o	bc2o	bc	bcc	57	45	•	–	–	–	–	5.7
Stornoway	(bcx)o3	o	bbc	bbcc	57	42	•	–	–	–	–	2.5
Wick	bmb	b-bc	bbc	c	55	42	•	–	–	–	–	•
Tiree	bc	bcco	cbc	bcb	52	42	36	–	–	–	–	4.6
Nairn	bcb	bbcm	bcx	bc	58	37	•	–	–	–	–	9.2
Aberdeen	bmf3o	b	bz3m	bmb	58	40	31	–	–	–	–	8.6
Malin Head	bbc3o	bcz2o	czzm	czz	52	45	•	–	–	–	–	7.0
Renfrew	bff3o	bzoy	bm	bofFc	59	30	25	–	–	–	–	7.2
Edinburgh (Inchkeith)	bcmm	bccm	ocbcm	bbcmof	57	33	28	–	–	Tr.	–	9.3
Leuchars	b	bbyb	bm	bxm	60	32	25	–	–	–	–	9.7
Eskdalemuir	bby3o	byzo	bm	cpm	59	30	25	–	–	Tr.	5.30	9.4
Tynemouth	bcff	bc	bcffbc	bcofofc	62	40	33	–	–	0.1	–	•
Blacksod Point ...	b	b	b	b	57	44	•	–	–	–	–	•
Donaghadee	bmm	bmm	bmbc	bcw	59	42	•	–	–	Tr.	•	•
Birr Castle	cb	bmc	bc	bofffx	63	29	22	–	–	–	–	9.7
Holyhead	b3o	bzo	bzmw	bmw	52	42	33	–	–	Tr.	–	9.8
Liverpool (Bidston) ...	mbcy	bbzo	bbcm	mbcm	54	38	29	–	–	–	–	9.9
Chester (Sealand) ...	bcmb33o	bzo	bm	bmx	57	30	23	–	–	–	–	9.8
Harrogate	b	b	b	bcFF	63	38	32	–	–	–	–	9.4
Spurn Head	mmbc	bc	bcm	ocFf	58	35	•	–	–	Tr.	4.30	9.0
Birmingham (Edgbaston)	bfb	b	bm	bmfx	64	37	28	–	–	–	–	8.1
Cranwell	b-bc	bbc	b	bm	63	32	29	–	–	–	–	7.6
Gorleston	bcb3o	bmm	bmof	ffocx	61	31	30	–	–	Tr.	–	8.2
Valentia (Cahirciveen)	by	b-bc	bw	bwb	59	38	32	–	–	Tr.	–	9.4
Roches Point	ffocb	b	bw	bw	57	40	•	Tr	–	Tr.	–	•
Pembroke (St. Ann's H.)	bmo	bmo	bmo	bmo	56	39	•	–	–	–	–	10.1
Ross-on-Wye	b3by	by	bmofbw	bmx	66	31	23	–	–	–	–	10.21
Leafield	by	by	b	mmbx	63	36	27	–	–	–	–	10.5
Winchester (Worthy Dn.)	bxby	by	by	bmbx	62	33	26	–	–	–	–	10.1
S. Farnborough	~~bxmf~~	byzo	bcrzbm	bmxm	67	26	20	–	–	–	–	9.3
London (Kew Obsy.) ...	bmzbmyzoby bfxby	byzo	bybmx	bxmf	64	32	21	–	–	Tr.	–	9.0
Croydon	bxffy	bfzoyf	ofz	bmffx	62	33	24	–	–	–	–	7.4
Shoeburyness	bmb3y	bzybc	bmof	bfoffx	64	28	24	–	–	Tr.	–	9.8
Clacton-on-Sea ...	bcmy	bcmy	bcmcm	cmoff	63	30	•	–	–	–	–	8.8
Felixstowe	bcb3y	bz	bzbccof	ofcx	63	30	24	–	–	–	–	9.1
Lympne	b3y	bzy	bzoy	byxF	61	31	27	–	–	–	–	9.8
Scilly (St. Mary's) ...	b	b-bc	b	b-bc	57	44	•	–	–	–	–	10.2
Falmouth (Pendennis)	b3o	bzo	b	b	55	39	•	–	–	–	–	10.3
Plymouth (Cattewater)	bxbcfy	byzo	byzo	bmx	60	36	28	–	–	–	–	9.7
Portland Bill	b3o	bzo	bzo	bmo	59	40	•	–	–	–	–	•
Southampton (Calshot)	bymo	bzoby	bwmo	bwmffbx	62	36	24	–	–	–	–	9.7
Dungeness	bcmmby	bzmbm	bmm	bmf	62	34	•	–	–	–	–	•
Guernsey	b-bc	by	bxo	bxo	57	40	•	–	–	–	–	10.6

12th March



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	11th 10h.	HIBERNIA	–	0	bc	47	45
3	12th 2h.	BARGITON	N	1	bc	44	41

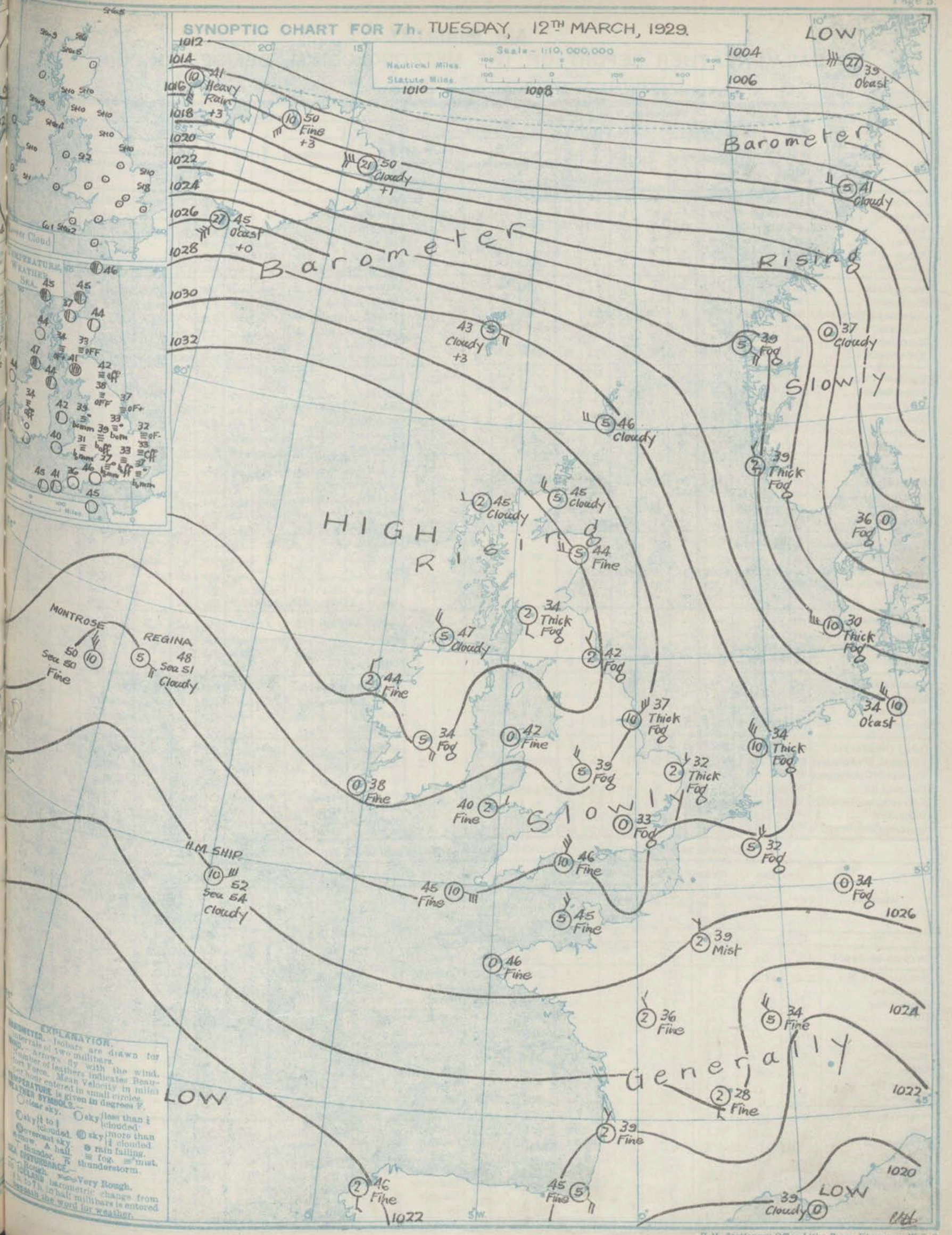
GENERAL INFERENCE.

A vast anticyclone extends from the Atlantic across the British Isles to Central Europe. Settled fine weather will continue for several days.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Tuesday, 12th March, 1929.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind northeast, light, fine; local coastal fog; somewhat cooler, with frost at night.	
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind light, mainly easterly; bright; local morning mist or fog; warm during day, ground frost at night.	Fine for several days.
10. N.E. England 11. S.E. Scotland	Wind variable, light; fine; local coast fog; rather warm inland during day, but frost at night.	
12. S.W. Scotland & Isle of Man 13. A. W. Scotland B. N.W. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	Wind variable, light; fine; local morning fog; rather warm during day, frost at most places at night.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 4 - 9.	

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

† For code see page 1. ‡ Trace = rain has fallen, but amount less than 0.1 mm.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION....Tuesday, 12th March....1929. No. 71

Observations at 1h. G.M.T. 12th March

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours*	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility‡ 0-6	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10
Lerwick	54	1024·0	+3	W'N	3	bc	47	85	8	1500	Cu	4	acu	6
Stornoway	30	1031·6	+4	W	1	b-	•	•	8	•	•	•	•	0
Wick	81	1028·7	+3	NW	2	c	47	97	7	2500	St	6	ast	8
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	81	1031·2	+2	NW	2	c	47	97	6	5700	StCu	10	–	10
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	100	1029·0	+5	W	2	mmb	41	92	4	450	St	2	-	2
Lenchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	1029·3	+3	WNW	2	bc	41	75	6	800	St	3	-	3
Blacksod Point ...	18	1030·2	+2	–	0	b	45	85	7	•	Cu	1	ast	1
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	30	1029·1	+2	NW	1	b	44	92	6	–	-	0	-	0
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	1026·8	+1	NNE	2	bc|m	36	97	5	450	St	4	–	4
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	236	1027·8	+2	NW	3	b-	37	85	5	-	-	0	-	0
Gorleston	14	1027·0	+3	SE	2	FFo	36	97	1	220	St	10	–	10
Valentia (Cahirciveen) P	30	1029·2	+3	E'S	1	b	49	92	9	–	-	0	-	0
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	150	1027·6	+3	ENE	1	b	45	75	6	-	-	6	-	0
Ross-on-Wye	225	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1026·9	+2	W	1	mmb	41	65	4	-	-	0	-	0
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1025·9	+2	NNE	3	b-	45	55	6	–	-	0	-	0
Scilly (St. Mary's) ...	163	1027·1	+1	ESE	3	b	45	75	6	-	-	0	-	0
Falmouth (Pendennis)	200	1027·2	+1	NNE	2	b	41	75	7	4000	StCu	2	-	2
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1026·1	+1	NNW	3	b	51	35	6	2500	StCu	1	-	1
Southampton (Calshot)	10	1027·0	+1	NNW	3	b	40	65	6	-	-	0	-	0
Dungeness	20	1025·0	+2	WNW	2	mmb	40	75	4	–	-	0	-	0
Guernsey (Fort George) P	295	1027·4	+3	NNW	1	b-	49	65	6	-	-	0	-	0

Observations at 7h. G.M.T. 12th March

Stations	Barom. at M.S.L. mb.	Change in 3 Hours*	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility‡ 0-6	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10	Sun 0-9
Lerwick	1029·4	+4	W'N	2	c	46	85	8	1500	StCu	5	Ast.	10	•
Stornoway	1033·6	+4	W	1	c	45	92	7	2500	StCu	9	-	9	0
Wick	1031·2	+2	NW	2	c	45	97	7	1500	St.	6	Ast.	10	0
Tiree	1033·0	+2	N	3	b-	44	97	7	–	-	0	-	0	1
Nairn	1033·1	•	W	1	bcr	37	85	7	4000	StCu	5	Ci.	6	•
Aberdeen	1031·9	+2	WNW	2	b	44	92	7	–	-	0	Ci.	1	0
Malin Head	1029·9	+3	NNW	2	c	47	97	6	5700	StCu	9	-	9	0
Renfrew	1033·1	+5	S	1	Fo+	34	97	1	450	St.	10	-	10	•
Edinburgh (Inchkeith)	1032·1	+3	WSW	1	FFo	33	97	1	450	St.	10	-	10	0
Lenchars	1032·8	+6	WSW	2	b	34	97	6	1500	St.	1	-	1	•
Eskdalemuir	1033·3	+4	N	3	o/bf	44	92	6	1500	St.	10	-	10	1
Tynemouth	1032·2	+3	NNW	1	ffo	42	97	2	800	St.	10	-	10	•
Blacksod Point ...	1032·2	+1	N	1	b	44	85	8	•	-	0	-	0	2
Donaghadee	1031·1	+2	NNE	1	bc-	44	92	7	4000	StCu	4	-	4	1
Birr Castle	1032·2	•	SE	2	ffo	34	75	3	800	St.	10	-	10	•
Holyhead	1030·8	+2	–	0	b	42	97	5	-	-	0	Ci.	1	0
Liverpool (Bidston) ...	1031·1	+2	WNW	2	mmbc	39	92	4	1500	St.	2	Ast.	5	•
Chester (Sealand) ...	1030·6	+3	-	0	fb+	32	92	3	-	-	0	-	0	•
Harrogate	1032·2	+4	NNW	4	FFo	38	97	1	450	St.	10	-	10	1
Spurn Head	1029·7	+2	NE'E	3	Fo+	37	97	1	450	St.	10	-	10	•
Birmingham (Edgbaston)	1030·9	+2	NNW	2	ffb	39	92	3	-	-	0	-	0	•
Cranwell	1030·5	+4	NNW	3	mmb	33	92	4	-	-	0	-	0	0
Gorleston	1028·9	+2	NE'E	1	Fo-	32	92	1	220	St.	10	-	10	•
Valentia (Cahirciveen) P	1030·1	+2	-	0	b	38	97	8	-	-	0	-	0	2
Roches Point	1030·8	+3	N	1	b	40	97	7	1500	St.	1	-	1	0
Pembroke (St. Ann's H.)	1028·4	+1	ENE	1	b	40	97	6	-	-	0	-	0	•
Ross-on-Wye	1029·8	+1	SW	1	mmb	41	92	4	-	-	0	-	0	•
Leafield	1029·2	+2	NNW	3	mmb	37	85	4	-	-	0	-	0	•
Winchester (Worthy Dn.)	1028·5	+2	N	2	b	39	75	5	-	-	0	-	0	•
S. Farnborough ...	1028·9	+3	NW	1	mmb	27	92	4	-	-	0	-	0	•
London (Kew Obsy.) ...	1029·0	+4	-	0	ffb	33	92	2	-	-	0	-	0	•
Croydon	1028·5	+2	-	0	fb+	35	85	3	-	-	0	-	0	•
Shoeburyness	1029·1	+3	NNE	2	FFo	32	97	1	450	St.	10	-	10	•
Clacton-on-Sea ...	1029·1	+3	NNE	3	ffc	33	85	3	1500	St.	8	-	8	2
Felixstowe	1029·1	+5	NE'E	2	FFo	32	97	1	450	St.	10	-	10	0
Lympne	1027·8	+2	NEN	3	Fo+	32	97	1	-	-	0	-	0	0
Scilly (St. Mary's) ...	1028·2	+1	E'S	3	b	45	85	6	4000	Cu.	1	Ast.	2	1
Falmouth (Pendennis)	1028·0	+1	NNE	2	b	41	75	7	4000	StCu	2	-	2	0
Plymouth (Cattewater)	1028·4	+1	NE	1	b	36	92	5	-	-	0	-	0	0
Portland Bill	1027·5	+2	NNE	3	b	46	65	5	-	-	0	-	0	0
Southampton (Calshot)	1029·3	+3	NNW	3	ffo	37	85	2	-	-	0	-	0	0
Dungeness	1027·9	+3	NE	2	mmb	37	97	4	-	-	0	-	0	2
Guernsey (Fort George) P	1027·6	+2	NNE	2	b	45	75	5	-	-	0	-	0	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 11th March 1929

Stations	Weather Forenoon	Weather Afternoon	Temperature Min. 9h.-10th to 9h. 11th °F.	Temperature Max. 9h.-17h. 11th °F.	Rainfall† Night 17h.-9h. 10th-11th mm.	Rainfall† Day 9h.-17h. 11th mm.	Sunshine Sunrise to 17h. 11th hr.	Sunshine Sunrise to Sunset 10th hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	bc	bc	32	55	-	-	9·8	7·6
Douglas (I. o. M.) ...	cb	bz	41	59	-	-	9·8	10·0
Llandudno ...	b	b	39	57	-	-	9·7	10·3
Colwyn Bay ...	b	b	35	55	-	-	9·3	10·3
Rhyl	b	b	36	59	-	-	9·8	10·1
Wallasey	mb	b	39	54	-	-	9·0	9·6
Southport	zb	b	*33	53	-	-	8·9	9·6
Blackpool	bz	bcb	34	55	-	-	8·6	9·6
Ilkley	b	b	28	64	-	-	8·9	6·6
Cleethorpes	b	b	33	63	-	-	9·3	7·2
Skegness	bzb	b	37	58	-	-	7·5	6·8
Aberystwyth ...	bc	zbc	38	52	-	-	9·5	10·0
Bath	b	bz	27	66	-	-	9·5	10·3
Cheltenham ...	bmob	b	32	65	-	-	10·0	10·0
Leamington Spa ...	bm	bm	27	59	-	-	5·5	8·6
Lowestoft	b	b	39	61	-	-	9·4	9·6
Harwich & Dovercourt	cbm	bm	36	61	-	-	8·6	10·0
Maldon	mb	bm	30	61	-	-	8·6	9·0
Southend	bfm	bm	36	65	-	-	8·5	9·6

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Buda	bzb	b	33	62	-	-	10·0	8·1
Penzance	b	b	39	60	-	-	8·6	9·0
Paignton	wbm	bby	31	52	-	-	9·5	9·4
Torquay	bmb	by	37	60	-	-	9·7	10·0
Jersey	b	b	42	63	-	-	9·7	10·4
Weymouth	by	b	33	65	-	-	10·2	10·3
Bournemouth ...	b	b	30	65	-	-	10·3	10·5
Ventnor ...	cbz	bz	49	63	-	-	9·8	10·1
Portsmouth (S'thsea)	b	b	32	66	-	-	9·7	9·9
Bognor	b	b	37	60	-	-	9·7	10·6
Littlehampton ...	b	bbc	38	66	-	-	9·6	10·7
Worthing	b	b	38	64	-	-	9·8	10·4
Brighton	bbc	bccbc	37	66	-	-	8·6	10·6
Eastbourne	bm	bbcm	35	66	-	-	8·9	10·7
Hastings	bmb	bbcm	47	64	-	-	9·6	10·5
Folkestone	by	m	41	62	-	-	8·5	9·7
Dover	ymb	bmy	40	61	-	-	10·1	10·6
Tunbridge Wells ...	b	bbc	31	66	-	-	10·0	10·3
Ramsgate	bm	bbcm	45	60	-	-	8·3	10·5
Margate	fbc	mobc	40	54	-	-	9·0	10·4
Deal	b	b	35	61	-	-	8·2	10·3

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

* Information not usually received. P The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station ‡ For code see page 1. †: See footnote page 1

† At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ✠ 17h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.24583 Wednesday. 13th. March. 1929. Page 1.

Observations at 18h. G.M.T. 12th

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1030.2	+1	NW	2	c	50	75	7	1500	StCu	4	CiSt	8	•
Stornoway	1034.6	0	WNW	1	bc-	51	65	8	4000	Cu	2	Ci	3	•
Wick	1033.6	+2	NW	2	c	48	97	8	2500	StCu	8	-	8	•
Tiree	1034.0	0	NE	3	b-	49	85	8	-	-	0	-	0	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1034.1	+1	NW	3	c	50	75	8	2500	StCu	10	-	10	1
Malin Head	1034.3	+1	NE	3	b	47	92	6	-	-	0	-	0	•
Renfrew	1034.5	+1	-	0	ffb	42	97	2	-	-	0	-	0	1
Edinburgh (Inchkeith)	1034.0	-1	SE	1	fbc-	62	65	4	460	St	3	-	3	•
Leuchars	1034.5	+1	SSE	3	b	53	65	8	4000	Cu	1	Ci	2	1
Eskdalemuir	1034.8	+2	ENE	4	c	48	75	7	1500	StCu	10	-	10	2
Tynemouth	1034.4	+2	N	2	o/f	46	85	6	1500	Nb	10	-	10	•
Blacksod Point	1033.1	+1	-	0	b	53	75	8	•	Cu	2	-	2	•
Donaghadee	1033.5	+1	NE	1	ffb	43	97	2	-	-	0	-	0	•
Birr Castle	1032.5	•	S	1	b-	66	75	8	2600	Cu	2	-	2	•
Holyhead	1032.4	+1	NW	1	b-	46	85	5	-	-	0	-	0	0
Liverpool (Bidston)	1032.9	+2	ENE	3	mc-	49	75	5	-	-	0	ASt	8	•
Chester (Sealand)	1032.2	+1	ENE	3	fb-	50	75	3	-	-	0	-	0	1
Harrogate	1033.6	+1	N	2	c	50	75	5	4000	StCu	9	-	9	•
Spurn Head	1032.7	+2	NE'N	4	c	44	97	6	4000	StCu	10	-	10	•
Birmingham (Edgbaston)	1032.7	+2	NE	4	mmb	49	75	4	-	-	0	-	0	1
Cranwell	1033.4	+2	NE'N	3	o/f	43	92	6	460	St	10	-	10	1
Gorleston	1030.7	+4	NNW	2	fo-	36	92	3	1500	St	10	-	10	•
Valentia (Cahirciveen)	1031.3	+1	N'E	1	b	59	65	8	6700	Cu	1	-	1	0
Roches Point	1031.8	+2	SE	2	b	54	75	7	1500	St	2	-	2	•
Pembroke (St. Ann's H.)	1029.8	+1	N	2	b	59	75	6	-	-	0	-	0	•
Ross-on-Wye	1030.6	+1	ENE	3	mb	55	55	4	-	-	0	-	0	1
Leafield	1030.8	+2	NE	4	b	53	56	6	-	-	0	-	0	0
Winchester (Worthy Dn.)	1029.1	0	NNE	3	b	56	55	5	-	-	0	-	0	1
S. Farnborough	1029.8	+1	NE'E	3	b	55	55	5	-	-	0	-	0	0
London (Kew Obsy.)	1030.7	+2	E	3	mmb	49	65	4	-	-	0	-	0	1
Croydon	1030.6	+2	ENE	3	b/m	49	65	5	-	-	0	-	0	1
Shoeburyness	1032.1	+2	NE	3	c/f	37	97	6	1500	StCu	8	ASt	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1032.0	+2	-	0	c-	39	97	6	800	St	9	-	9	0
Lympne	1030.3	+3	NNE	3	mmc	39	92	4	800	St	9	-	9	0
Scilly (St. Mary's)	1029.4	+1	E	2	b	56	65	6	-	-	0	-	0	•
Falmouth (Pendennis)	1028.5	+1	-	0	b	60	35	6	4000	StCu	1	-	1	•
Plymouth (Cattewater)	1028.8	0	E	3	b	60	45	6	-	-	0	-	0	0
Portland Bill	1028.8	+1	NE	2	c	51	65	5	1500	St	2	CiSt	10	•
Southampton (Calshot)	1029.5	+1	ESE	4	b	48	65	5	-	-	0	-	0	0
Dungeness	1030.8	+3	E	3	c	41	85	6	1500	StCu	10	-	10	•
Guernsey (Fort George)	1028.3	+1	NE'N	3	b	49	75	5	-	-	0	-	0	•

Observations at 18h. G.M.T. 12th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1031.6	+1	W'N	2	bc	46	85	7	1500	StCu	4	CiSt	7	•
Stornoway	1035.0	+1	W	1	b-	45	85	8	4000	StCu	1	-	1	0
Wick	1034.8	+2	NNW	2	bc	45	85	8	2500	St	3	ACu	5	0
Tiree	1034.3	0	NNE	2	b	45	92	8	-	-	0	-	0	1
Nairn	1034.6	•	-	0	bc	44	85	8	-	-	0	CiSt	4	•
Aberdeen	1034.8	+2	N	1	b	46	86	8	4000	StCu	<1	Ci	1	0
Malin Head	1034.1	+1	NNE	2	b	44	97	5	6700	StCu	1	-	1	0
Renfrew	1034.1	-1	NE	2	ffb	46	85	3	-	-	0	-	0	•
Edinburgh (Inchkeith)	1034.1	+2	ESE	2	bc	45	85	8	800	St	3	ACu	6	0
Leuchars	1034.9	+1	SE	2	bc	46	86	7	5700	StCu	1	Ci	4	•
Eskdalemuir	1035.2	+1	NE	1	c	45	75	7	2500	StCu	9	-	9	•
Tynemouth	1034.4	0	N	1	c	44	85	6	4000	StCu	9	-	9	0
Blacksod Point	1033.1	0	N	2	b	48	85	8	•	-	0	ACu	2	2
Donaghadee	1033.3	0	-	0	fb-	42	92	4	-	-	0	-	0	0
Birr Castle	1031.4	•	S	1	b	55	86	8	2600	Cu	3	-	3	•
Holyhead	1031.7	+1	NE'E	4	mmb	47	85	4	-	-	0	-	0	1
Liverpool (Bidston)	1033.5	0	E	3	fo+	50	76	3	800	St	10	-	10	•
Chester (Sealand)	1032.6	+2	SSE	2	b	45	75	5	-	-	0	-	0	•
Harrogate	1034.2	0	NNE	3	c	45	76	7	4000	Nb	5	ASt	10	•
Spurn Head	1033.6	+1	NE'N	3	c	40	97	6	4000	StCu	10	-	10	2
Birmingham (Edgbaston)	1033.6	+1	ENE	4	c	45	92	5	2500	StCu	10	-	10	•
Cranwell	1033.7	+1	NE'N	3	c	45	85	6	1500	StCu	10	-	10	•
Gorleston	1032.7	+1	N	3	ffo	40	92	3	800	St	10	-	10	0
Valentia (Cahirciveen)	1031.2	0	-	0	b	54	65	7	-	-	0	-	0	0
Roches Point	1031.2	0	SE	3	b	61	75	7	1500	St	2	-	2	0
Pembroke (St. Ann's H.)	1029.7	-1	NNE	3	bc+	51	92	6	-	-	0	ASt	5	1
Ross-on-Wye	1032.3	+3	E'N	4	o	44	85	5	1500	St	10	-	10	•
Leafield	1032.6	+3	NE'N	4	o	43	85	7	1600	St	10	-	10	•
Winchester (Worthy Dn.)	1030.8	+3	N'E	3	b	45	75	6	-	-	0	-	0	•
S. Farnborough	1031.3	+3	NE	3	b	44	86	6	1500	St	1	-	1	•
London (Kew Obsy.)	1032.1	+2	NNE	3	fc-	42	85	4	1500	St	9	-	9	•
Croydon	1031.5	+2	N'E	3	fb+	44	85	3	-	-	0	-	0	•
Shoeburyness	1032.6	0	NE'E	2	fo+	35	97	2	460	St	10	-	10	•
Clacton-on-Sea	1032.3	+1	NNE	4	o	40	92	6	2600	St	10	-	10	2
Felixstowe	1032.3	+1	NNE	3	od.	40	97	5	800	St	10	-	10	1
Lympne	1031.2	+1	NE'N	6	FFo	35	97	1	<150	St	10	-	10	•
Scilly (St. Mary's)	1028.9	0	E'N	3	b	49	75	6	-	-	0	-	0	1
Falmouth (Pendennis)	1028.5	+1	-	0	bc	64	55	6	4000	StCu	3	-	3	1
Plymouth (Cattewater)	1029.0	+2	E	3	b	53	55	5	-	-	0	-	0	0
Portland Bill	1029.5	+1	ENE	2	c	42	85	5	1500	St	2	CiSt	10	0
Southampton (Calshot)	1030.8	+2	ESE	3	b	40	85	6	-	-	0	-	0	0
Dungeness	1031.4	+2	E	3	o	37	97	6	1500	St	10	-	10	2
Guernsey (Fort George)	1028.6	+1	E'N	4	b	43	85	6	-	-	0	-	0	3

LONDON OBSERVATIONS. Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.

Station	Heights above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night (24 hours ended 9h.)	Temperature Max. Day °F.	Min. Night °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)	Visibility 9h.
Kew	18	bfmbz	bfbcem	aam	50	40	39	-	-	6.3	•	•	5
Croydon	244	bffmz	bzmf	bfamf	49	39	38	-	Tr.	6.5	•	•	5
Greenwich (Royal Obsy.)	149	[illegible]	[illegible]	[illegible]	49	39	34	-	Tr.	7.8	77	87	6
City (Bunhill Row)	86	•	•	•	•	•	•	•	•	4.9	•	•	•
Westminster (St. James' Pk.)	87	•	•	•	50	40	36	-	-	4.7	77	90	•
Regent's Pk. (Botanic Gdns.)	163	•	•	•	•	•	•	•	•	nil	•	•	•
Camden Square	116	b	bc	•	53	40	--	Tr.	-	•	•	91	•
Kensington Palace	80	bx	bcco	•	50	40	36	-	Tr.	•	(At 18h)	91	•
Hampstead Observatory	450	•	•	•	51	35	35	-	.01	8.8	•	94	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 7h. G.M.T. 13th

South Kensington Max.	Time.	Min.	Time.
1.2	15h. 13th	0.3	5h. 13th

Kew Observatory Max.	Time.	Min.	Time.
0.7	13h. 12th	0.1	1h. 13th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 12th 19h. 00m. to 13th 5h. 15m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	10.15	nil	—
δ Ursae Minoris	10.15	nil	—

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET.

12th-13th. MARCH. 1929.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.15 / 6.13	12.3 / 12.3	17.51 / 17.53
Greenwich	6.21 / 6.19	12.10 / 12.10	17.59 / 18.00
Wick	6.38 / 6.35	12.22 / 12.22	18.7 / 18.10
Valentia	7.3 / 7.1	12.51 / 12.50	18.39 / 18.41

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy.
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—2000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♔ = lunar halo.
With present weather is combined, wherever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bo/r = fair weather after rain; − = has decreased; + = has increased.

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

§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 miles.	

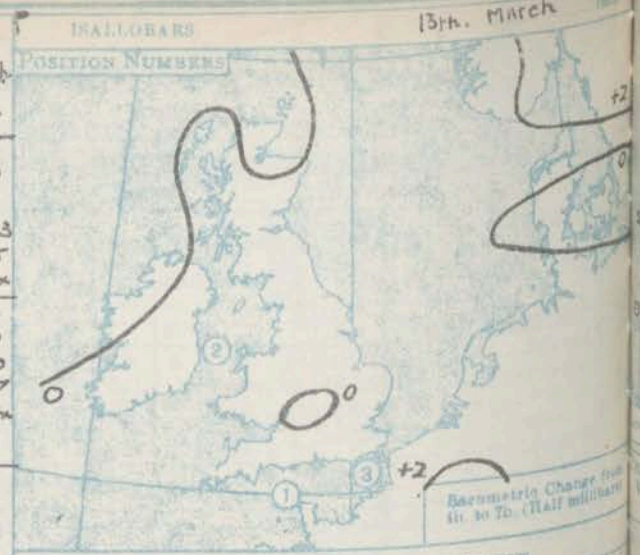
† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-18h. 12th.	Weather. 18h.-18h. 12th.	Weather. 18h. 12th to 1h. 13th.	Weather. 1h.-7h. 13th.	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Day. 7h.-18h. began.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Night. 18h.-7h. began.	Sun 12th. Hours.
Lerwick	c	c bc	bc	bc	51	43	•	-	-	-	-	3·1
Stornoway	c bc	b-bc	b-bc	b x	53	29	•	-	-	-	-	7·0
Wick	c	b bc	b-bc	c	50	33	•	-	-	-	-	•
Tiree	bc b	b	bm	bmF	50	34	24	-	-	-	-	10·3
Nairn	bcc bc	bc	bc x b	x b	52	28	•	-	-	-	-	3·5
Aberdeen	bcc	c b	b m	b x m	51	31	24	-	-	-	-	2·4
Malin Head	cbcbzz	bz z	bz z	bz z	48	38	•	-	-	-	-	8·6
Renfrew	FFff	bff	bff	cff	52	29	25	-	-	-	-	1·0
Edinburgh (Inchkeith)	oFf ff	bcm	bcco	ocbcm	51	36	32	-	-	-	-	6·0
Leuchars	bx b	bbc	bcbm	bm x	54	31	24	-	-	Tr.	-	8·7
Eskdalemuir	cd bcmc	c	b c	c	50	36	32	Tr.	<8.00	-	-	2·4
Tynemouth	off	oc	cbc	bc	48	38	34	-	-	-	-	•
Blacksod Point ...	b	b	b	mwo	53	38	•	-	•	Tr.	•	•
Donaghadee	bcbff	bffmm	bbcm	cmw	45	38	•	-	-	Tr.	-	•
Birr Castle	cb	b	boffx	offx	58	29	21	-	-	-	-	7·8
Holyhead	bm	bmz	bmmnw	bmmm	50	39	36	-	-	01	-	9·1
Liverpool (Bidston) ...	mcmm	mmf	fcm	mcgm	53	42	34	-	-	-	-	3·1
Chester (Sealand) ...	bff	bfzz	bcmco	amm	56	40	33	-	-	-	-	7·6
Harrogate	oFbcc	c	c	c	50	38	30	-	-	-	-	1·8
Spurn Head	odffc	c	co	bcc	44	36	•	Tr.	<8.00	-	-	0·0
Birmingham (Edgbaston)	fmb	mboc	c	c	50	41	41	-	-	-	-	4·2
Cranwell	bfomf	oc	co	c	47	39	37	-	-	-	-	0·1
Gorleston	ffoe	ffoe	ffodd	oddff	40	38	38	Tr.	-	0·3	22·00	0·0
Valentia (Cahirciveen)	by	by b	b	bwb	61	36	33	-	-	Tr.	-	9·1
Roches Point	b	b	bw	bbccw	56	43	•	-	-	Tr.	-	•
Pembroke (St. Ann's H.)	bm	bbcm	bcbm	bbcm	60	40	•	-	-	-	-	9·7
Ross-on-Wye	bz	byzcom	om	go	56	41	41	-	-	-	-	8·5
Leafield	mb	bbcc	do	o	54	39	38	-	-	Tr.	22·00	8·1
Winchester (Worthy Dn.)	bmxmmzy	bz y	bz, m o	oi m	57	39	36	-	-	Tr.	2·30	8·9
S. Farnborough ...	bxmfbzy	byz	bz om d	omd	56	40	35	-	-	Tr.	<21·00	7·6
London (Kew Obsy.) ...	bfx bz	bfbccm	cmm	cm	50	40	39	-	-	-	-	6·3
Croydon	bffxmz	bz mf	bfomdd	oddd	49	39	38	-	-	Tr.	22·00	6·5
Shoeburyness	ofom	bcmof	ofd	oddd	39	34	35	Tr.	<8.00	0·3	3·30	0·0
Clacton-on-Sea ...	offom	om	omogd	ogdro	41	37	35	-	-	1	22·00	1·4
Felixstowe	oFcom	cfomd	oddm	oddm	40	38	36	Tr.	17.30	0·2	22·00	0·4
Lympne	bFmcm	om FF	ofdd	oddcm	44	33	34	-	-	0·1	22·00	3·7
Scilly (St. Mary's) ...	bm	bm	bm	bbccm	56	42	•	-	-	-	-	10·2
Falmouth (Pendennis)	bz	bbcz	bcbm	bbccdqq	61	42	•	-	-	Tr.	6·30	9·1
Plymouth (Cattewater)	xbmz	bz y	bz y	bodm	62	42	37	-	-	Tr.	6·30	8·9
Portland Bill	bcm	cm	cbom	odmdm	57	39	•	-	-	Tr.	3·30	•
Southampton (Calshot)	bffmbm	bm	bm, om	omo	52	36	29	-	-	-	-	7·8
Dungeness	cmmc	com	omfd	oddddd	41	35	•	-	-	0·2	22·00	•
Guernsey	bz	bz	bxbcmq	omq	49	38	•	-	-	-	-	10·1

† For code see page 1

† Trace = rain has fallen, but amount less than 0·1 mm.



Observations from Cross Channel Steamers

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
1	12th 10h.	ST. JULIEN	NE	2	bc	50	46	6
2	" "	HIBERNIA	"	3	bc	46	45	6

GENERAL INFERENCE.

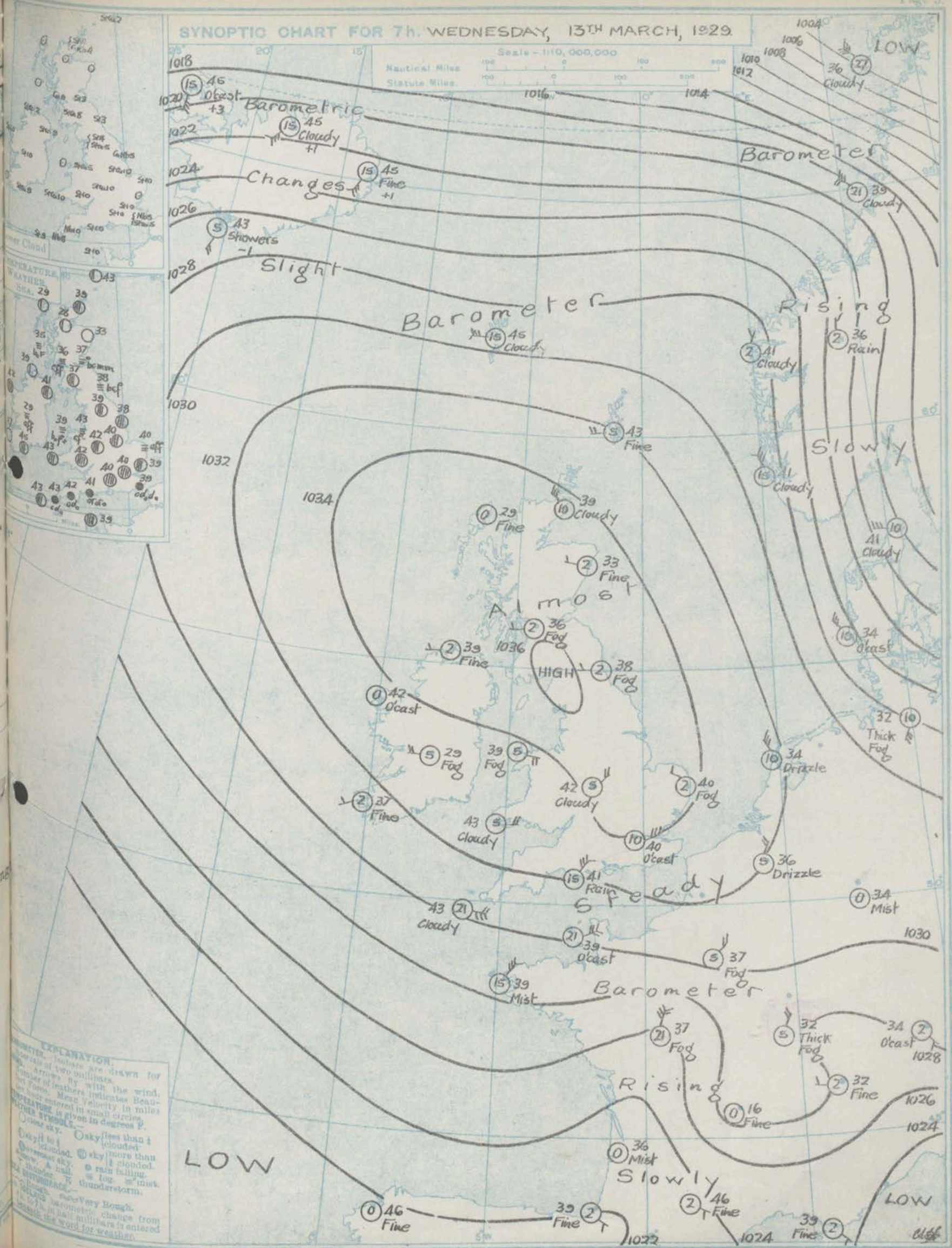
Quiet anticyclonic weather will continue but there will be more cloud and lower day temperatures in southern districts than of late.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Wednesday, 13th March, 1929.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Northeasterly to variable winds, mainly light; cloudy at first with perhaps slight drizzle locally, bright later; some local mist or fog, night and morning; moderate temperature with slight ground frost at night.
5. S.W. England	Light variable winds; fair; local coastal fog; rather high day temperatures inland, cool on coasts; ground frost locally at night.
6. South Wales 7. North Wales 8. N.W. England	Light variable winds; bright periods, local mist or fog, night and morning; rather high day temperatures, ground frost at night.
9. N. Midlands	Moderate easterly to southeasterly winds; cloudy periods; perhaps local drizzle and mist; moderate temperature.
10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. (a. W. Scotland, b. N.W. Scotland) 14. Mid-Scotland 15. N.E. Scotland	As 3 - 4.
16. Orkneys and Shetlands	Westerly winds, light to moderate; bright periods, occasional showers; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland	As 3 - 4.
19. S.E. Ireland 20. S.W. Ireland	As 5.

Farther Outlook.

Quiet anticyclonic weather continues.

Meteorological Office, Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0940 G.M.T. G. C. SIMPSON, F.R.S., Director.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION Wednesday. 15th. March. 1929. No. 72.

Observations at 1h. G.M.T. 15th.

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility § 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10
Lerwick	54	1031·1	+1	W'S	3	bc	45	92	8	1500	St.Cu.	3	-	3
Stornoway	20	1035·4	0	-	0	b-	*	*	8	*	*	*	*	0
Wick	81	1035·0	0	WNW	2	bc	38	97	8	-	-	0	Ci.St.	3
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	81	1035·3	0	S	1	b	42	92	5	5700	St.Cu.	1	-	1
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	100	1035·3	+1	SE	1	o	41	92	6	800	St.	10	-	10
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	67	1035·6	0	NNW	1	bc	45	85	6	1500	Cu.	4	-	4
Blacksod Point ...	18	1033·6	+1	N	1	b	42	92	7	*	Cu.	2	-	2
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	30	1033·6	+1	E	4	b	43	92	5	-	-	0	-	0
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	29	1034·3	0	NE'E	2	o	40	97	7	2500	St.	10	-	10
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	238	1034·7	+1	NNE	3	o	42	92	6	2500	St.	10	-	10
Gorleston	14	1034·5	+2	NNE	2	odo	38	97	7	1500	Nb.	10	-	10
Valentia (Cahirciveen) P	30	1031·4	0	-	0	b	49	92	8	-	-	0	-	0
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	160	1032·0	+1	E	3	b-	42	75	5	-	-	0	-	0
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	512	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	237	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	18	*	*	*	*	*	42	*	*	*	*	*	*	*
Croydon	244	1033·5	+1	NE'E	3	odod	41	97	5	800	St.	10	-	10
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1032·9	+1	NE	4	odod	38	97	5	800	St.	10	-	10
Scilly (St. Mary's) ...	163	1030·4	+1	ESE	5	b	45	85	6	-	-	0	-	0
Falmouth (Pendennis)	200	1031·1	+1	E	4	b	43	92	6	-	-	0	-	0
Plymouth (Cattewater)	83	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	32	1031·6	+1	NE	5	o	41	85	5	1500	St.	10	-	10
Southampton (Calshot)	10	1033·3	+1	ENE	3	o	41	92	6	800	St.	10	-	10
Dungeness	20	1032·8	+2	NE	3	odod	39	97	6	1500	Nb.	10	-	10
Guernsey (Fort George) P	295	1032·2	+3	NE	4	c+	40	97	5	2500	St.Cu.	10	-	10

Observations at 7h. G.M.T. 15th.

Stations	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility § 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10	0-9
Lerwick	1032·0	+1	W'S	2	bc	43	85	8	1500	St.Cu.	2	A.St.	4	*
Stornoway	1035·4	0	-	0	b	29	85	7	-	-	0	A.St.	2	0
Wick	1034·9	-1	NW	3	c	39	97	8	2500	St.	8	-	8	0
Tiree	1034·8	0	-	0	Fb	35	97	1	-	-	0	-	0	1
Nairn	1035·8	*	-	0	b-	28	85	7	-	-	0	A.Cu.	2	*
Aberdeen	1035·1	0	WNW	1	b	33	92	6	-	-	0	-	0	0
Malin Head	1034·8	0	W	1	br	39	92	5	5700	St.Cu.	2	-	2	1
Renfrew	1036·5	0	W	1	ffc	36	97	2	2500	Cu.	9	-	9	*
Edinburgh (Inchkeith)	1035·0	0	W	2	mmbc	37	97	4	800	St.	3	-	3	0
Leuchars	1035·5	0	W	2	b	33	97	6	1500	St.	1	-	1	*
Eskdalemuir	1036·2	0	-	0	c	37	97	8	2500	St.Cu.	8	-	8	*
Tynemouth	1036·5	+1	W	1	fbc	38	92	3	1500	St.	3	Ci.	4	0
Blacksod Point	1032·8	-1	-	0	o	42	92	6	*	St.	10	-	10	1
Donaghadee	1035·0	0	-	0	c	44	97	6	4000	St.Cu.	9	-	9	1
Birr Castle	1032·9	*	W	2	ffo	29	92	3	800	St.	10	-	10	*
Holyhead	1033·6	+1	ESE	2	fbr	39	97	3	-	-	0	-	0	1
Liverpool (Bidston)	1033·7	0	ENE	3	fc-	43	85	4	2500	St.Cu.	5	A.St.	9	*
Chester (Sealand)	1034·7	0	SE E	1	o/m	41	85	5	2500	St.	10	-	10	*
Harrogate	1035·6	0	N	1	c	39	85	5	2500	St.Cu.	9	-	9	*
Spurn Head	1034·6	0	NE'N	2	c	38	97	7	4000	Cu.Nb.	5	A.St.	10	*
Birmingham (Edgbaston)	1034·8	0	ENE	2	c	42	92	5	2500	St.Cu.	10	-	10	*
Cranwell	1034·7	0	NNE	2	c	40	92	6	2500	St.Cu.	10	-	10	0
Gorleston	1034·1	0	NW'N	1	ffo	40	92	3	800	St.	10	-	10	2
Valentia (Cahirciveen)	1031·6	0	WSW	1	b	37	92	7	-	-	0	-	0	0
Roches Point	1032·8	+1	SE	2	c	45	85	7	2500	St.Cu.	9	-	9	1
Pembroke (St. Ann's H.)	1032·4	0	E	2	c+	43	97	6	2500	St.Cu.	10	-	10	*
Ross-on-Wye	1033·6	0	EN	3	o	42	85	7	1500	St.	10	-	10	*
Leafield	1033·7	-1	NE	3	o	40	85	8	2500	St.	10	-	10	*
Winchester (Worthy Dn.)	1033·3	+1	NNE	2	oro	40	92	6	800	St.	10	-	10	*
S. Farnborough	1033·3	+1	NE	3	o	40	92	5	1500	St.	10	-	10	*
London (Kew Obsy.)	1034·0	+1	ENE	3	o	40	92	6	800	St.	10	-	10	*
Croydon	1033·7	+1	NE	4	o	39	97	5	800	St.	10	-	10	*
Shoeburyness	1034·1	0	NE'N	2	cdo	38	97	7	1500	St.	9	-	9	[illegible]
Clacton-on-Sea	1034·1	+1	NNE	2	c	39	97	7	-	-	0	A.St.	10	[illegible]
Felixstowe	1034·0	+1	NE	1	c/d	39	97	6	800	St.	7	A.Cu.	8	[illegible]
Lympne	1032·9	0	NE	4	c/d	37	97	6	800	St.	10	-	10	[illegible]
Scilly (St. Mary's)	1030·2	0	ESE	5	c	43	92	5	2500	St.	9	-	9	[illegible]
Falmouth (Pendennis)	1031·7	+1	E'S	4	cdo	43	92	6	2500	Nb.	8	A.St.	10	[illegible]
Plymouth (Cattewater)	1031·7	0	ENE	4	odo	42	92	6	800	Nb.	10	-	10	[illegible]
Portland Bill	1031·8	0	NE	4	odod	41	97	5	1600	St.	10	-	10	[illegible]
Southampton (Calshot)	1033·1	0	ENE	3	o	40	85	8	1500	St.	10	-	10	[illegible]
Dungeness	1032·8	+1	NE	3	cdod	39	92	7	1500	Nb.	10	-	10	[illegible]
Guernsey (Fort George)	1030·6	0	ENE	5	o	39	97	6	1500	St.	10	-	10	[illegible]

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

Stations (1)	Weather Forenoon (2)	Weather Afternoon (3)	Temperature Min. 9h.-11th. to 9h. 12th. (4) °F.	Temperature Max. 9h.-17h. 12th. (5) °F.	Rainfall† Night 17h.-9h. 11th-12th. (6) mm.	Rainfall† Day 9h.-17h. 12th. (7) mm.	Sunshine Sunrise to 17h. 12th. (8) hr.	Sunshine Sunrise to Sunset 11th. (9) hr.
Berwick-on-Tweed	bc	c	34	50	-	-	2.5	9.8
Douglas (I. o. M.) ...	xb	b	41	64	-	-	8.9	10.4
Llandudno ...	bm.	bm	32	50	-	-	6.5	10.2
Colwyn Bay ...	b	b	36	52	-	-	7.6	9.8
Rhyl...	b	b	31	55	-	-	7.3	9.8
Wallasey	bz	bzcz	36	56	-	-	5.4	9.2
Southport	fxbz	bz	* 30	57	-	-	7.5	8.9
Blackpool	b	bz	30	58	-	-	8.5	8.9
Ilkley	cb	c	32	52	-	-	1.8	8.9
Cleethorpes... ...	fo	o	36	43	Trace	-	0.0	9.3
Skegness	bcfc	fco	32	43	Trace	Trace	0.0	7.5
Aberystwyth ...	zbc	bcz	34	47	-	-	9.6	10.3
Bath	mb	b	29	59	-	-	8.8	9.5
Cheltenham‖ ...	bm.	bbcc	32	56	-	-	8.0	10.2
Leamington Spa ...	bcc	bo	28	50	-	-	4.5	5.5
Lowestoft	of	of	30	39	-	-	0.0	9.4
Harwich & Dovercourt	ocf	ocfbocf	37	43	-	-	1.0	8.6
Maldon	fo	cbo	29	47	-	-	3.4	8.6
Southend	afom	omof	30	39	-	-	0.0	8.5
Bude	wxbzm	bz	30	62	-	-	9.6	7.0
Penzance	bz	bz	42	64	-	-	8.6	9.3
Paignton	bzbm	bmy	35	60	-	-	8.7	9.8
Torquay	bmy	bm	40	61	-	-	9.1	10.2
Jersey	bz	b	40	57	-	-	9.0	10.3
Weymouth	mb	b	39	58	-	-	9.2	10.6
Bournemouth ...	b	bm	37	58	-	-	8.0	10.2
Ventnor ...	bz	bz	41	50	-	-	9.3	10.0
Portsmouth (S'thsea)	b	b	36	57	-	-	8.8	10.2
Bognor	b	b	41	52	-	-	9.3	9.7
Littlehampton ...	b	b	40	53	-	-	9.1	9.5
Worthing	b	b	41	61	-	-	9.1	9.8
Brighton	b	b	41	52	-	-	9.5	8.6
Eastbourne‖ ...	b	bbcb	39	46	-	-	9.3	8.9
Hastings‖	bcbbc	bccbc	39	61	-	-	6.3	9.6
Folkestone	bbccm	cm	35	43	-	-	3.0	8.6
Dover	mbcco	mof	33	41	-	-	1.4	10.1
Tunbridge Wells ...	b	b	35	52	-	-	9.6	10.0
Ramsgate	of	of	32	37	Trace	Trace	0.0	8.3
Margate	F	F	32	37	-	-	0.0	9.0
Deal	f	f	32	38	-	-	0.0	8.2

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* Information not usually received. P The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. † For code see page 1. ‡§ See footnote page 1.

‖ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B24584 Thursday, 14th March 1929.

Observations at 13h. G.M.T. 13th

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Cloud Upper Form	Cloud Total Amt. 0–10	State of ground.
Lerwick	1031.9	0	W'S	2	c	48	75	8	1500	StCu	5	ASt	8	•
Stornoway	1035.4	0	W	1	b-	49	75	7	4000	Cu	1	-	1	•
Wick	1035.0	+1	NW	2	bc	49	85	8	2500	St	2	ACu	4	•
Tiree	1035.7	0	SSW	2	b-	49	92	6	-	-	0	-	0	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1036.6	-1	E	2	b	46	85	6	-	-	0	Ci	1	1
Malin Head	1034.8	0	S	1	b	53	75	5	-	-	0	-	0	•
Renfrew	1034.6	-2	S	1	fb+	53	75	3	-	-	0	-	0	1
Edinburgh (Inchkeith)	1033.3	-2	NE	1	mmbc	45	76	4	800	St	5	-	5	•
Leuchars	1035.5	0	E	2	b	47	85	6	4000	Cu	1	-	1	1
Eskdalemuir	1034.6	-1	NE	2	b	53	56	7	-	-	0	-	0	2
Tynemouth	1035.6	0	NE	1	b/f	44	85	7	1500	St	2	-	2	•
Blacksod Point	1032.6	0	E	1	b	51	75	6	•	-	0	-	0	•
Donaghadee	1034.6	-1	SE	1	bc-	48	76	7	4000	Cu	1	CiSt	3	•
Birr Castle	1032.5	•	W	2	c	51	75	7	1500	St	9	-	9	•
Holyhead	1033.9	-1	-	0	o	47	85	6	1500	St	10	-	10	5
Liverpool (Bidston)	1034.7	-1	ESE	2	c	47	65	6	2500	St	2	CiSt	8	•
Chester (Sealand)	1034.4	-1	SSE	2	bc-	50	65	6	4000	StCu	3	-	3	1
Harrogate	1034.9	0	SE	3	bc-	49	65	7	4000	StCu	6	-	6	•
Spurn Head	1034.8	0	ENE	3	bc-	48	75	7	-	-	0	ACu	3	•
Birmingham (Edgbaston)	1034.3	-1	NE	3	c	44	85	6	2600	StCu	9	-	9	1
Cranwell	1036.3	0	NE	3	c	42	85	7	1600	St	10	-	10	1
Gorleston	1034.3	0	NNE	3	c	41	92	6	1500	Nb	4	ASt	10	•
Valentia (Cahirciveen)	1031.4	-1	SW'W	2	b	53	75	6	-	-	0	-	0	0
Roches Point	1031.7	-1	SE	3	c	46	85	7	2500	StCu	10	-	10	•
Pembroke (St. Ann's H.)	1032.5	-1	SE'S	1	c	45	92	6	2500	StCu	10	-	10	•
Ross-on-Wye	1033.6	0	ENE	3	c	44	76	6	2600	StCu	10	-	10	1
Leafield	1033.8	0	NE'N	3	o	42	85	7	2500	St	10	-	10	1
Winchester (Worthy Dn.)	1033.2	-1	NNE	3	o	41	85	6	450	St	10	-	10	1
S. Farnborough	1033.3	-1	ENE	3	mmo	41	85	4	800	St	10	-	10	0
London (Kew Obsy.)	1034.1	-1	NE'E	3	o	42	85	5	800	St	10	-	10	1
Croydon	1034.1	-1	ENE	3	c	41	86	5	1500	St	10	-	10	1
Shoeburyness	1034.1	0	NE	4	c	42	92	8	1600	St	8	ASt	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1034.7	+1	NE	3	o	40	92	6	800	St	10	-	10	1
Lympne	1032.9	0	NNE	4	o/d	41	85	8	800	St	10	-	10	1
Scilly (St. Mary's)	1030.0	0	E'S	5	c	44	92	6	4000	StCu	9	-	9	•
Falmouth (Pendennis)	1031.1	0	E'S	4	c	43	85	7	4000	StCu	10	-	10	•
Plymouth (Cattewater)	1031.6	0	ENE	5	o	43	85	6	1500	Nb	10	-	10	0
Portland Bill	1032.1	0	ENE	4	o	42	85	6	1500	St	10	-	10	•
Southampton (Calshot)	1033.0	-2	ENE	3	o	41	85	5	1500	St	10	-	10	0
Dungeness	1033.1	+1	NE	2	c/d	41	92	8	~~800~~ 1000	StCu	10	-	10	•
Guernsey (Fort George)	1030.5	+1	ENE	5	c-	40	97	6	1500	St	8	ASt	10	•

Observations at 18h. G.M.T. 13th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Cloud Upper Form	Cloud Total Amt. 0–10	Sea. 0–9
Lerwick	1031.8	-1	W'S	1	c	46	85	8	1500	StCu	3	AC.	9	•
Stornoway	1033.4	-2	-	0	b-	44	85	7	-	-	0	-	0	0
Wick	1034.3	-2	WNW	1	bc	44	85	8	2500	St	2	ACu	6	[illegible]
Tiree	1033.3	-2	SW	1	b-	44	92	6	-	-	0	-	0	1
Nairn	1034.0	•	-	0	bc	41	85	6	1500	St	3	-	3	•
Aberdeen	1034.7	0	SE	2	b	41	97	6	-	-	0	Ci	1	0
Malin Head	1033.1	-1	E	2	b	47	85	5	-	-	0	-	0	1
Renfrew	1033.4	-1	NE	1	ffb	46	85	3	-	-	0	-	0	•
Edinburgh (Inchkeith)	1033.6	0	ESE	3	o	40	92	7	800	St	10	-	10	1
Leuchars	1034.6	0	E	2	bc	40	92	6	-	-	0	CiSt	4	•
Eskdalemuir	1033.8	-1	N'E	2	b	45	65	7	-	-	0	-	0	•
Tynemouth	1034.7	0	NE	1	mo	37	97	2	1500	St	10	-	10	1
Blacksod Point	1031.1	-1	NW	1	b	50	85	6	•	-	0	-	0	1
Donaghadee	1032.9	-2	-	0	b	44	75	7	-	-	0	-	0	0
Birr Castle	1030.6	•	W	2	c	48	85	7	1500	St	9	-	9	•
Holyhead	1032.5	-1	NE'E	1	b	44	85	6	-	-	0	-	0	0
Liverpool (Bidston)	1032.8	-2	N'E	2	mmc	43	75	4	2500	St	6	CiSt	10	•
Chester (Sealand)	1032.6	0	ENE	1	mc+	44	75	4	4000	StCu	8	-	8	•
Harrogate	1033.6	-1	NE	2	b	48	75	7	-	-	0	Ci	1	•
Spurn Head	1033.3	0	NE	3	Fo+	39	97	1	220	St	10	-	10	0
Birmingham (Edgbaston)	1033.3	-1	ENE	3	c	41	92	6	2500	StCu	9	-	9	•
Cranwell	1033.7	0	ENE	3	b-	42	85	7	-	-	0	Ci	1	•
Gorleston	1033.1	-1	NNE	3	mo	38	92	3	1500	St	10	-	10	0
Valentia (Cahirciveen)	1030.4	-1	W'N	2	b	49	85	6	4000	StCu	2	-	2	1
Roches Point	1031.0	-1	SE	3	c	45	85	7	2500	StCu	10	-	10	1
Pembroke (St. Ann's H.)	1031.0	-3	SE	1	bc-	43	97	6	2500	Cu	5	CiCu	7	1
Ross-on-Wye	1032.3	-1	ENE	3	o	44	75	6	2500	St	10	-	10	•
Leafield	1031.7	-2	NE	2	c-	41	85	7	4000	StCu	9	-	9	•
Winchester (Worthy Dn.)	1031.9	-1	NE	2	o	42	85	6	450	St	10	-	10	•
S. Farnborough	1032.0	-1	NE	2	c	42	85	5	1500	St	10	-	10	•
London (Kew Obsy.)	1032.3	-1	ENE	2	c	44	75	5	1600	St	9	ASt	10	•
Croydon	1032.3	-1	E'N	2	mmo	41	92	4	1600	St	10	-	10	•
Shoeburyness	1032.6	-1	ENE	3	c	38	92	8	800	St	10	-	10	•
Clacton-on-Sea	1032.7	-1	NE	4	o	38	97	6	4000	St	10	-	10	2
Felixstowe	1033.5	0	NE	4	o	37	97	5	800	St	10	-	10	3
Lympne	1031.5	0	NE'N	4	o	37	92	8	800	St	10	-	10	•
Scilly (St. Mary's)	1028.9	-1	E'S	5	c	43	85	6	4000	StCu	10	-	10	5
Falmouth (Pendennis)	1029.9	-2	E	4	c-	42	85	6	4000	StCu	6	ASt	8	4
Plymouth (Cattewater)	1030.4	-1	E	5	o	43	85	6	1500	St	10	-	10	0
Portland Bill	1030.7	-1	ENE	4	o	41	85	6	1500	St	10	-	10	4
Southampton (Calshot)	1031.8	-1	NE'E	3	c	42	85	6	1500	StCu	10	-	10	0
Dungeness	1031.7	-2	NE	4	cd₀	39	92	8	1500	Nb	8	ASt	10	2
Guernsey (Fort George)	1029.4	-2	ENE	5	c	41	92	7	1600	St	8	ASt	10	6

London Observations.

Day: 7h–18h, Kew & Croydon. 9h–18h, Kensington. 9h–21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night (24 Hours ended 9h.)	Temp. Max. Day °F.	Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 13h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h
Kew	18	om	cm₀	cm₀	44	34	33	-	-	0.0	•	•	3
Croydon	264	oo_f m₀	cm₀m	cm₀m₀	43	35	33	Tr	-	0.0	•	•	3
Greenwich (Royal Obsy.)	148	c	c	c o	43	33	32	-	-	0.0	80	96	5
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•						0.0			•
Regent's Pk. (Botanic Gdns).	158	•	•	•	•	•	•	•	•		•	•	•
Camden Square	110	o c	c	•	43	33	-	-	-	•	•	92	•
Kensington Palace	80	c o	o	•	43	34	33	-	-	•	(At 18h) .23	90	•
Hampstead Observatory	450	•	•	•	42	28	28	Tr	-	0.0	•	100	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 14th

South Kensington

Max.	Time.	Min.	Time.
Defective Record			

Kew Observatory

Max.	Time.	Min.	Time.
0.5	20hrs 13th	0.1	3hrs 14th

Pole Star Record at Greenwich Obsy.

Exposure from 13th 19 h 00 m. to 14th 5 h 15 m.

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

Code for State of Ground.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

Table showing the Greenwich Times of Sunrise, Noon, and Sunset.

14th & 15th March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.13 6.11	12.03 12.02	17.53 17.55
Greenwich	6.19 6.17	12.10 12.09	18.00 18.02
Wick	6.35 6.32	12.22 12.21	18.10 18.12
Valentia	7.01 6.58	12.50 12.50	18.41 18.43

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog. „ less than 200 m.
m mist, „ 1000—12000 m.
h hail. i intermittent.
ip precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening skies
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♁ = lunar halo.
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; − = has decreased; + = has increased.

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

§ Telegraphic Code for Surface Visibility.

Code	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 „
2. Fog.	550 „
3. Moderate fog.	1,100 „
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ „
6. Moderate.	6¼ „
7. Good.	12½ „
8. Very good.	31 „
9. Excellent visibility, beyond 31 m	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

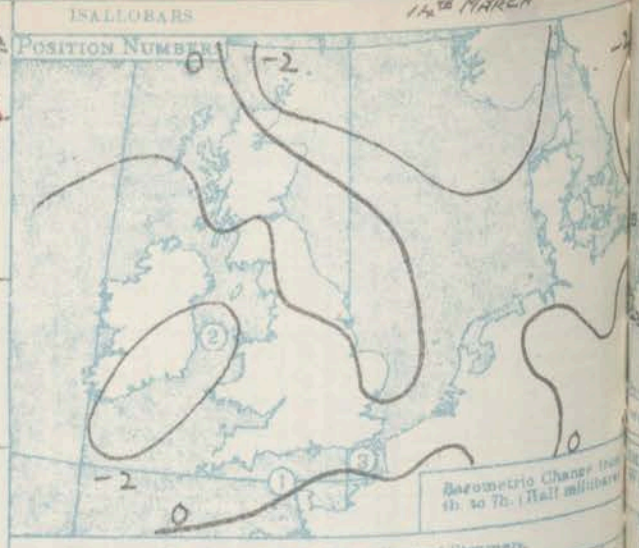
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 13th	18h.-18h. 13th	18h. 13th to 1h. 14th	1h.-7h. 14th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on Grass	RAINFALL.† Day. 7h.-18h. mm	began.	Night. 18h.-7h. mm.	began.	SUN 13th Hours.
Lerwick	bcc	c	c	c i pr₀	50	44	•	–	–	1	03·30	5·3
Stornoway	c	b-bc	b-bc	bbcx3	49	28	•	–	–	–	–	5·5
Wick	b-bc	b-bc	b-bc	c	49	35	•	–	–	–	–	•
Tiree	fmm₀b	bm₀	mfof	FF	51	30	22	–	–	–	–	8·6
Nairn	bbc	bcm₀	bcmx	bcx	45	29	•	–	–	–	–	9·1
Aberdeen	bz₀	b	bom₀m	omff	47	29	24	–	–	–	–	9·2
Malin Head	bz₀z₀	bz₀z₀	bz₀z₀	b3₀3₀	53	35	•	–	–	–	–	7·9
Renfrew ... bm	cff	bfzff	bff	FFe	55	26	21	–	–	–	–	3·9
Edinburgh (Inchkeith)	bcm	bcmcm₀	ofje	offe	47	34	34	–	–	0·1	–	6·3
Leuchars	bxb	bbc	bcbofe	ofefe	49	32	29	–	–	0·1	–	9·7
Eskdalemuir	cbcby	by b	b	bxm₀	53	28	23	–	–	–	–	9·0
Tynemouth	bcifb	bc	ofefe	ofefe	47	34	34	–	–	Tr	–	•
Blacksod Point ...	b	bz	ff	o	54	39	•	–	•	Tr	•	•
Donaghadee	cm₀bc	bcb	bm₀	bxm₀	50	35	•	–	–	–	–	•
Birr Castle	c	c	coffx	offx	53	34	24	–	–	–	–	3·7
Holyhead	bffcom₀	obm₀	bm₀w	bbcm₀wx	49	37	29	–	–	Tr	–	2·5
Liverpool (Bidston) ...	mgcz₀	m m	bmbcm	xofe	48	33	26	–	–	–	–	1·2
Chester (Sealand) om	cbcz₀	bccz₀z	cm	cmxff	53	28	23	–	–	–	–	4·1
Harrogate	cbc	bcb	b	boffx	52	29	25	–	–	–	–	6·6
Spurn Head	bc	bcoff	off	ffomo	48	34	•	–	–	–	–	6·2
Birmingham (Edgbaston)	c	c	c	cof	44	32	32	–	–	–	–	0·0
Cranwell	c	cbcb	bcof	F	47	32	32	–	–	Tr	–	1·4
Gorleston ...	ffcm	ffcm	cm₀	ffoc	43	33	33	–	–	0·2	<21 00	0·0
Valentia (Cahirciveen)	bz₀	bz₀	bc3₀	bc3₀wc	54	43	38	Tr.	–	Tr	–	7·9
Roches Point	c	c	c3₀og	ogcg	47	42	•	–	–	–	–	•
Pembroke (St. Ann's H.)	cm₀	cbcm	bcm₀	cm₀	46	38	•	–	–	–	–	0.0
Ross-on-Wye	oc	co	og	om₀	47	35	35	–	–	–	–	0·0
Leafield	o	oc	c	o	42	33	32	–	–	–	–	0·0
Winchester (Worthy Dn.)	or₀md₀	om₀	om₀	om₀om₀	42	33	33	Tr.	<8.00	–	–	0·0
S. Farnborough ...	omdmm	omc	com₀	om₀m	42	33	33	Tr.	9.00	–	–	0·0
London (New Obsy.) ...	om	cm₀	cm₀	cm₀	44	34	33	–	–	–	–	0·0
Croydon	od₀cm₀	cm₀m	cmom₀	om₀ff	43	33	33	Tr	9·00	–	–	0·0
Shoeburyness	cd₀o	o	om₀d₀	om₀d₀	43	33	33	Tr.	<8.00	Tr	02·30	0·3
Clacton-on-Sea ...	og	og	og	ogdm	42	33	33	–	–	0·2	02·30	0·2
Felixstowe	od₀m₀	om₀	om₀	ofe	42	33	33	Tr.	<8.00	Tr	–	0·0
Lympne	cod₀	od₀o	od₀d₀f	od₀d₀ff	41	32	33	Tr.	<8.00	Tr	24·00	0·0
Scilly (St. Mary's) ...	cm₀	cm₀	cm	cm₀	45	41	•	–	–	–	–	0·0
Falmouth (Pendennis)	cd₀	cm₀q	cm₀q	cm₀qr₀	43	40	•	Tr.	9.00	Tr	06·30	0·0
Plymouth (Cattewater)	omdqc	om₀c	om₀q	om₀q	45	38	38	Tr.	<8.00	–	–	0·1
Portland Bill	oid₀oz₀	oz₀	oz₀	o3₀	42	38	•	Tr.	<8.00	–	–	•
Southampton (Calshot)	om₀	cm₀	cq	cm₀	42	36	36	–	–	–	–	0·0
Dungeness	cd₀c	cid₀	cd₀od	fd₀if₀	43	34	•	Tr.	<8.00	[illegible]	<21 00	•
Guernsey	om₀q₀c	cm₀q₀	cm₀	cm₀	41	38	•	–	–	–	–	0·0

ISALLOBARS — 14th MARCH 1929

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	10h 13th	HIBERNIA	NE	4	c	45	45
3	3h 14th	NEWHAVEN	ENE	4	c-	39	44

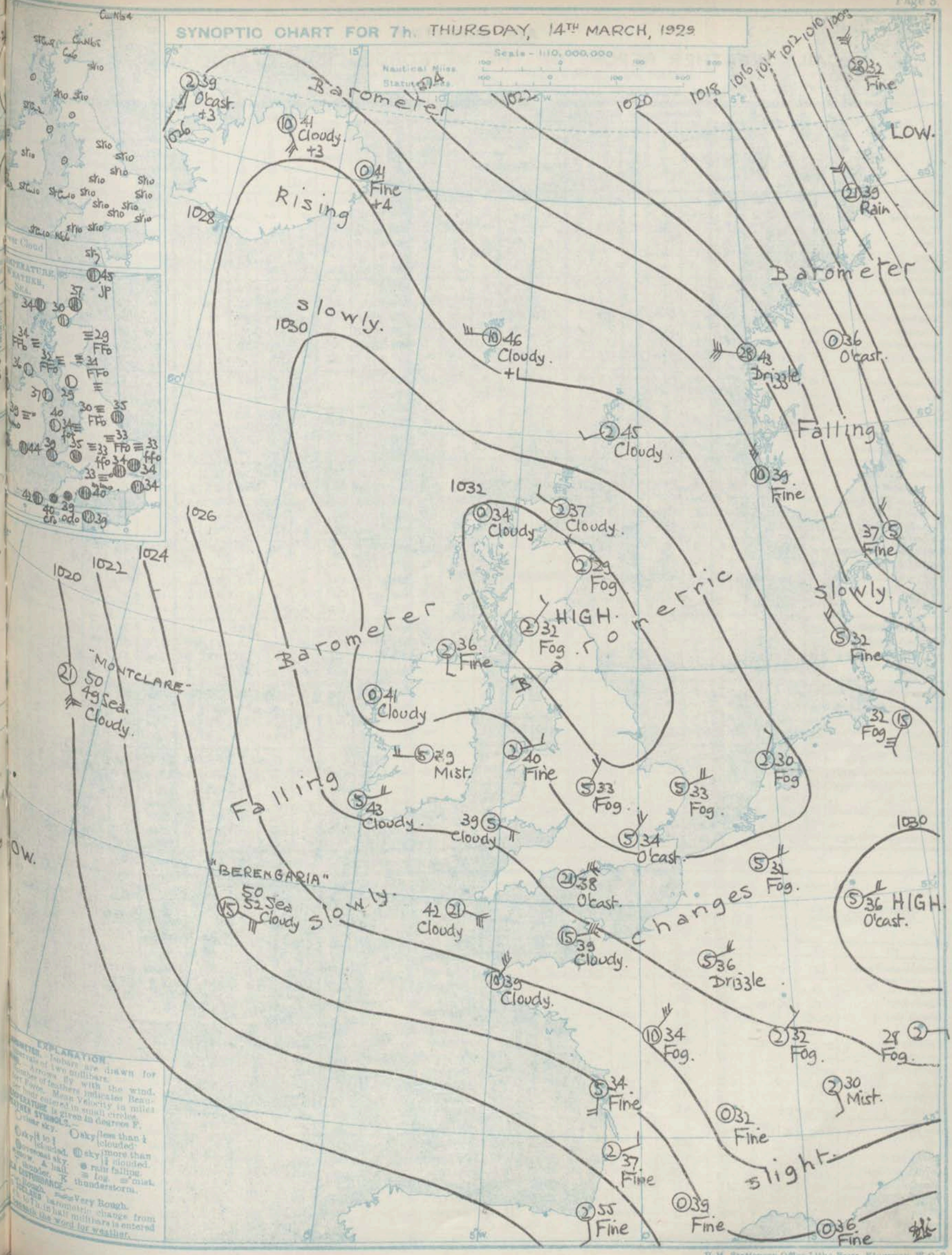
GENERAL INFERENCE.

A large anticyclone covers the British Isles and no appreciable change is indicated.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Thursday, 14th March, 1929.	Further Outlook.
1. S.E. England 2. E. England	Wind N.E., light or moderate; mainly cloudy; local fog and drizzle near coast; rather cold.	
3. E. Midlands 4. W. Midlands	Wind N.E., light; mainly cloudy; rather cold.	
5. S.W. England 6. South Wales	Wind E., moderate or fresh; cloudy, perhaps brighter later; rather cold.	The dry spel is likely to continue for some days.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotland B. N.W. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind variable, light; fine; local fog, chiefly night and morning; mild during day, ground frost at most places at night.	

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

SYNOPTIC CHART FOR 7h. THURSDAY, 14TH MARCH, 1929



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Thursday, 14th March 1929. No. 73

Observations at 1h. G.M.T. 14th

Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form	Cloud. Total Amt. 0-10
Lerwick	54	1030·0	6	W'S	1	c	46	85	8	1500	StCu	4	ASt	10
Stornoway	30	1033·3	-2	-	0	b	•	•	8	•	•	•	•	0
Wick	81	1032·7	-3	WNW	1	bc	35	97	8	-	-	0	CSt	3
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	81	1032·7	-1	SE	1	b	38	~~75~~ 97	5	-	-	0	-	0
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1033·3	0	N	2	Fo	36	97	1	<150	St	10	-	10
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	1033·8	-1	-	0	ffo	35	97	2	1500	St	10	-	10
Blacksod Point ...	13	1031·5	0	-	0	ffc	43	92	2	•	-	0	ASt	10
Donaghadee	45	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	178	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	30	1031·4	-2	-	0	b	39	92	6	-	-	0	-	0
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	1032·9	0	NE'E	2	FFo	35	97	1	<150	St	10	-	10
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	236	1033·1	-1	ENE	2	ffo	35	97	2	<150	St	10	-	10
Gorleston	14	1032·9	0	NE	2	ffo	35	97	2	450	St	10	-	10
Valentia (Cahirciveen) P	30	1030·8	0	S'E	3	o	44	97	9	-	St	10	-	10
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	160	1030·1	-1	ENE	1	c+	40	97	6	1500	StCu	9	-	9
Ross-on-Wye	225	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	38	•	•	•	•	•	•	•
Croydon	244	1031·6	0	E	4	o	35	97	5	800	St	10	-	10
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1031·1	0	NE'E	4	od.d.	35	97	2	<150	St	10	-	10
Scilly (St. Mary's) ...	163	1027·6	-2	ESE	5	o	43	85	5	2500	St	10	-	10
Falmouth (Pendennis)	200	1028·8	-1	E	4	c	42	85	6	4000	StCu	10	-	10
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1029·0	-2	ENE	4	o	41	85	6	2500	St	10	-	10
Southampton (Calshot)	10	1030·7	-1	E'S	4	c	38	85	7	800	St	10	-	10
Dungeness	20	1031·3	0	E	4	mo	35	97	4	450	St	10	-	10
Guernsey (Fort George) P	205	1028·0	-3	ENE	4	c+	39	92	7	4000	StCu	10	-	10

Observations at 7h. G.M.T. 14th

Stations.	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form	Cloud. Total Amt. 0-10	Sun 0-8
Lerwick	1028·5	-2	W'S	1	cjp	45	92	7	1500	CuNb	4	aSt	9	•
Stornoway	1032·0	0	-	0	c	34	92	6	4000	StCu	8	-	8	0
Wick	1031·6	-2	WNW	1	c+	37	97	9	4000	CuNb	8	aCu	10	0
Tiree	1031·6	-0	SSE	1	ffb	34	97	1	-	-	0	-	0	0
Nairn	1031·8	•	-	0	bc	30	85	6	2500	Cu	6	-	6	•
Aberdeen	1032·5	+0	NW	1	ffo	23	97	1	<150	St	10	-	10	0
Malin Head	1031·8	-1	S	1	b	36	92	5	5700	StCu	2	-	2	1
Renfrew	1032·8	0	NE	1	ffo	32	97	1	<150	St	10	-	10	•
Edinburgh (Inchkeith)	1032·2	-1	NE	1	ffo	24	97	1	<150	St	10	-	10	0
Leuchars	1031·4	0	-	0	ffo	22	97	2	<150	St	10	-	10	•
Eskdalemuir	1032·7	-0	N	1	b	29	97	6	-	-	0	Ci	1	•
Tynemouth	1031·8	-2	SE	1	fo-	34	97	3	800	St	10	-	10	0
Blacksod Point ...	1030·3	-1	-	0	c	41	92	6	•	-	0	aSt	10	1
Donaghadee	1030·7	-1	-	0	b	37	97	6	-	-	0	Ci St	1	0
Birr Castle	1029·1	•	W	2	mo	39	65	4	800	St	10	-	10	•
Holyhead	1029·5	-2	E'N	1	bc	40	92	5	-	-	0	CuCu	6	0
Liverpool (Bidston) ...	1031·0	-1	SE	3	fo+	34	97	2	450	St	10	-	10	•
Chester (Sealand) ...	1031·2	-1	SSE	2	fo+	34	92	2	220	St	10	-	10	•
Harrogate	1032·7	0	-	0	ffo	30	97	1	<150	St	10	-	10	•
Spurn Head	1032·1	0	ENE	2	o	33	97	6	1500	St	10	-	10	1
Birmingham (Edgbaston)	1031·3	-0	ENE	3	ffo	33	97	2	800	St	10	-	10	•
Cranwell	1032·3	-0	NE'N	2	ffo	33	97	1	<150	St	10	-	10	0
Gorleston	1031·3	0	ENE	2	ffo	33	97	2	450	St	10	-	10	•
Valentia (Cahirciveen) P	1028·4	-1	NE'E	2	c	43	85	6	1500	St	10	-	10	3
Roches Point	1028·6	-3	E	2	c	44	85	7	1500	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1028·4	-1	ESE	2	c+	39	97	6	2500	StCu	10	-	10	1
Ross-on-Wye	1030·0	-1	ENE	3	o	35	85	6	1500	St	10	-	10	•
Leafield	1030·2	-1	E'N	3	mo	33	92	4	220	St	10	-	10	•
Winchester (Worthy Dn.)	1030·0	-0	NE'N	2	o	34	92	6	800	St	10	-	10	•
S. Farnborough ...	1030·1	-0	ENE	3	mo	33	97	4	950	St	10	-	10	•
London (Kew Obsy.) ...	1030·5	-0	NE	2	o	34	92	5	800	St	10	-	10	•
Croydon	1030·3	-0	ENE	3	fo+	33	97	2	<150	St	10	-	10	•
Shoeburyness	1030·7	-0	NE	2	od.d.	35	97	6	450	Nb	10	-	10	2
Clacton-on-Sea ...	1030·9	0	NE	4	o	34	97	6	4000	St	10	-	10	1
Felixstowe	1031·0	0	NE	3	ffo	33	97	3	<150	St	10	-	10	•
Lympne	1029·6	-1	NE	3	ffo	33	97	2	<150	St	10	-	10	5
Scilly (St. Mary's) ...	1026·4	-1	E'S	5	c	42	85	6	4000	StCu	10	-	10	2
Falmouth (Pendennis)	1027·3	-1	E'S	4	cr.	40	92	7	2500	Nb	6	aSt	10	0
Plymouth (Cattewater)	1027·6	-1	NE	5	od.	39	85	6	800	St	10	-	10	4
Portland Bill	1028·3	-1	ENE	5	o	38	92	6	1500	St	10	-	10	0
Southampton (Calshot)	1029·8	-1	ENE	3	c	36	92	6	1500	St	10	-	10	2
Dungeness	1029·7	-2	ENE	3	olf	34	97	6	800	St	10	-	10	4
Guernsey (Fort George) P	1027·2	+0	E	4	c	39	92	6	1500	St	7	aSt	10	•

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Wednesday, 13th March 1929.

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 12th to 9h. 13th	Temperature. Max. 9h. 12th to 9h. 13th	Rainfall.† Night 17h.-9h. 12th-13th	Rainfall.† Day 9h.-17h. 13th	Sunshine. Sunrise to 17h. 13th	Sunshine. Sunrise to Sunset. 12th
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	bc	bc	31	48	-	-	9.5	2.5
Douglas (I. o. M.) ...	o	bz	41	50	-	-	3.6	9.2
Llandudno ...	oc	bcm.	42	51	-	-	3.6	6.5
Colwyn Bay ...	ocb	b	38	51	-	-	3.7	7.6
Rhyl	oc	bc	39	51	-	-	3.8	7.4
Wallasey	ocbz	bzbc	40	49	-	-	2.5	6.4
Southport	ocbz	bz	*39	53	-	-	4.2	7.5
Blackpool	ocbc	bc	39	53	-	-	4.6	8.5
Ilkley	bcb	b	38	53	-	-	5.9	1.8
Cleethorpes	ob	bc	37	46	-	-	5.7	0.0
Skegness	ocbc	bbco	36	45	-	-	4.1	0.0
Aberystwyth ...	zbc	cbc	40	51	-	-	5.9	9.6
Bath	c	c	34	44	-	-	0.0	8.8
Cheltenham‖ ...	o	o	41	47	-	-	0.0	8.0
Leamington Spa ...	c	c	36	45	-	-	0.0	4.5
Lowestoft	o	o	31	39	Trace	-	0.0	0.0
Harwich & Dovercourt	ocd	oc	33	42	0.4	(Trace)	0.0	1.0
Maldon	d.o	o	35	43	Trace	-	0.0	3.4
Southend	co	od.	36	43	0.4	Trace	0.4	0.0

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	cbcc	cbc	41	48	-	-	5.3	4.5
Penzance	o	o	42	45	-	-	0.0	8.6
Paignton	d.pom	om	41	43	Trace	(Trace)	0.0	8.5
Torquay	od.p	om	42	44	0.1	(Trace)	0.0	9.1
Jersey	g	g	36	42	-	-	0.0	9.7
Weymouth	o	om.	40	43	-	-	0.0	9.2
Bournemouth ...	o	o	39	48	-	-	0.0	8.0
Ventnor ...	o	oz	38	41	-	-	0.2	9.3
Portsmouth (S'thsea)	o	o	40	44	-	-	0.0	8.8
Bognor	c	c	40	44	-	-	0.0	9.3
Littlehampton ...	c	c	40	43	-	-	0.0	9.6
Worthing	c	c	40	44	-	-	0.0	9.3
Brighton	c	c	39	44	-	-	0.0	9.6
Eastbourne‖	o	o	37	43	-	-	0.0	9.5
Hastings‖	o	oco	36	43	Trace	-	0.0	6.3
Folkestone	cod.	od.	34	43	Trace	Trace	0.0	3.0
Dover	coid.	oid.c	35	42	0.1	Trace	0.3	1.4
Tunbridge Wells ...	o	o	36	42	-	-	0.0	9.6
Ramsgate	dmo	o	34	41	0.2	0.1	0.0	0.0
Margate	c	cd.	34	42	Trace	Trace	0.0	0.0
Deal	fo	od.o	35	41	Trace	Trace	0.1	0.0

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* Information not usually received. P The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station § For code see page 1. ‡ See footnote page 1.

‖ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ✠ 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24585 Friday 15th MARCH 1929. Page 1.

Observations at 13h. G.M.T. 14th

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1027.2	-1	W'S	3	bc	50	75	8	1500	Cu	4	ACu	7	•
Stornoway	1032.0	0	W	1	b-	51 (54 struck out)	65	8	4000	Cu	2	-	2	•
Wick	1031.3	0	NW	1	bc	50	75	8	4000	Cu	3	CiSt	5	•
Tiree	1031.0	0	NE	3	c	43	97	5	-	-	0	ASt	10	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1031.7	-1	ESE	2	c+	43	85	5	4000	StCu	9	-	9	1
Malin Head	1030.7	-2	ENE	3	mmb	45	92	4	-	-	0	-	0	•
Renfrew	1031.2	-2	NE	1	ffb	35	97	3	-	-	0	-	0	1
Edinburgh (Inchkeith)	1031.8	-1	NW	1	FFo	36	97	1	<150	St	10	-	10	•
Leuchars	1031.8	-1	SSE	1	bc-	42	85	5	800	St	5	-	5	1
Eskdalemuir	1030.1	-2	ENE	4	b	62	55	6	-	-	0	Ci	1	2
Tynemouth	1031.9	0	ENE	2	o/f	36	92	6	800	St	10	-	10	•
Blacksod Point	1029.1	-1	E	1	b	47	85	6	•	-	0	-	0	•
Donaghadee	1029.3	-2	NE	1	fb	46	85	3	-	-	0	CiSt	2	•
Birr Castle	1028.1	•	SW	2	o	42	92	6	800	St	10	-	10	•
Holyhead	1028.2	-2	SW'W	2	b	49	75	5	-	-	0	Ci	1	0
Liverpool (Bidston)	1029.2	-2	SE'S	3	bc-	44	75	5	2500	St	2	CiCu	3	•
Chester (Sealand)	1029.5	-3	SE	3	b-	45	75	6	-	-	0	-	0	1
Harrogate	1031.3	-1	N	2	b	42	85	5	2500	St	1	-	1	•
Spurn Head	1031.1	0	ENE	2	c	38	97	6	2500	St	6	ASt	10	•
Birmingham (Edgbaston)	1030.2	-1	ENE	2	fc-	38	85	4	2600	Cu	8	-	8	1
Cranwell	1031.6	-1	NE'E	3	o	39	92	6	220	St	10	-	10	1
Gorleston	1031.3	0	NE	3	ffo	36	97	3	800	St	10	-	10	•
Valentia (Cahirciveen)	1027.2	-2	E	3	c	46	75	6	2500	St	10	-	10	0
Roches Point	1028.0	-2	E	3	c	44	85	7	1500	StCu	10	-	10	•
Pembroke (St. Ann's H.)	1027.9	-1	SE'E	3	o	40	92	5	2500	St	10	-	10	•
Ross-on-Wye	1029.1	-1	NE'E	3	bc-	39	75	6	2600	St	7	-	7	1
Leafield	1029.9	0	E'N	2	bc-	38	85	6	4000	Cu	7	-	7	0
Winchester (Worthy Dn.)	1028.9	-2	NE'E	3	mmb	42	65	4	-	-	0	-	0	1
S. Farnborough	1029.2	-1	ENE	3	mmo	38	85	4	800	St	10	-	10	0
London (Kew Obsy.)	1029.8	-2	E	3	mmo	39	85	4	1500	St	10	-	10	1
Croydon	1030.0	-1	ENE	3	o/f	37	92	5	460	St	10	-	10	1
Shoeburyness	1030.3 (1029.3 struck out)	0	ENE	3	o/d	37	92	7	460	St	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1031.2	0	NE'E	4	o	35	97	6	450	St	10	-	10	1
Lympne	1029.2	0	NNE	3	o	36	92	5	450	St	10	-	10	1
Scilly (St. Mary's)	1025.8	0	ESE	5	c	44	86	6	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1026.5	-1	ESE	4	c	43	92	6	800	St	8	ASt	10	•
Plymouth (Cattewater)	1027.4	-1	E	5	c-	40	85	6	800	St	9	-	9	0
Portland Bill	1027.7	-1	ENE	4	o	39	85	6	1500	St	10	-	10	•
Southampton (Calshot)	1029.1	-2	ENE	3	c-	40	86	6	1500	StCu	8	-	8	0
Dungeness	1029.2	-1	ENE	3	o	36	85	7	1500	St	10	-	10	•
Guernsey (Fort George)	1026.6	-2	E	2	bc-	44	85	6	1500	Cu	7	-	7	•

Observations at 18h. G.M.T. 14th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1028.4	0	NW	3	bc	45	85	8	1500	StCu	2	Ci	4	•
Stornoway	1031.3	-1	NE	1	b-	44	92	7	-	-	0	ACu	1	0
Wick	1031.3	0	NW	1	bc	45	97	8	4000	St	3	CiSt	6	0
Tiree	1029.8	0	NNE	3	b-	43	92	6	-	-	0	-	0	1
Nairn	1031.2	•	E	1	bc	45	75	7	-	-	0	CiSt	5	•
Aberdeen	1032.0	0	-	0	mb	39	92	4	4000	StCu	1	Ci	2	0
Malin Head	1029.5	-1	NNE	3	Fo+	41	97	1	<150	St	10	-	10	1
Renfrew	1030.6	+1	ENE	3	mmb	46	75	4	-	-	0	-	0	•
Edinburgh (Inchkeith)	1031.6	0	NE	1	FFo	35	97	1	<150	St	10	-	10	0
Leuchars	1032.4	+2	E	2	ffo	37	97	2	<150	St	10	-	10	•
Eskdalemuir	1031.1	+1	N'E	3	b	42	65	6	-	-	0	Ci	1	•
Tynemouth	1032.6	+1	NNE	1	o	35	92	6	800	St	10	-	10	1
Blacksod Point	1027.9 (4 in red)	-2	W	2	b	46	85	6	•	-	0	-	0	1
Donaghadee	1027.9	-1	-	0	ffb	44	85	3	-	-	0	-	0	0
Birr Castle	1026.1	•	W	2	o	47	85 (92 struck out)	7	1500	St	10 (9 in red)	-	10 (9 in red)	•
Holyhead	1027.3	0	SW	1	b	45	92	5	-	-	0	-	0	0
Liverpool (Bidston)	1029.0	-1	SSE	3	mbc+	43	75	4	2500	St	2	CiSt	4	•
Chester (Sealand)	1028.6	+1	SE'S	3	mbc+	42	85	4	4000	StCu	5	-	5	•
Harrogate	1030.8	0	NNE	3	mc	41	76	4	<150	St	3	ASt	10	•
Spurn Head	1030.7	0	E	2	o	37	97	6	2500	St	10	-	10	2
Birmingham (Edgbaston)	1029.6	0	E	3	bc	37	97	5	2500	Cu	7	-	7	•
Cranwell	1031.3	0	E	3	o	36	92	6	450	St	10	-	10	•
Gorleston	1030.9	0	E'N	3	ffo	34	97	3	800	St	10	-	10	0
Valentia (Cahirciveen)	1025.8	-1	SE'E	3	c	45	75	6	1500	St	9	-	9	0
Roches Point	1027.2	-1	E	3	c	44	85	7	2600	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1026.8	-3	E	2	bc-	40	97	5	-	-	0	ASt	5	1
Ross-on-Wye	1028.3	-1	ENE	3	b	42	75	5	-	-	0	Ci	1	•
Leafield	1029.5	0	NE	3	bc+	35	85	6	4000	StCu	3	-	3	•
Winchester (Worthy Dn.)	1028.4	+1	NE'N	2	mmbc	39	85	4	-	-	0	Ci	3	•
S. Farnborough	1028.8	0	E	2	mmo	37	85	4	800	St	10	-	10	•
London (Kew Obsy.)	1029.5	+1	E	3	ffo	37	85	3	1500	St	10	-	10	•
Croydon	1029.7	+1	E	3	mmo	34	97	4	450	St	10	-	10	•
Shoeburyness	1030.1	0	NE'E	2	o	34	92	7	450	St	10	-	10	•
Clacton-on-Sea	1029.9	-1	NE	4	o	34	97	6	2500	St	10	-	10	2
Felixstowe	1030.1	0	NE	3	mmo	34	97	4	220	St	10	-	10	1
Lympne	1028.8	+1	NE'N	4	mo+	34	97	4	220	St	10	-	10	•
Scilly (St. Mary's)	1026.3	0	E'S	4	c	44	92	6	4000	StCu	10	-	10	4
Falmouth (Pendennis)	1026.4	0	ESE	4	c	41	92	7	4000	StCu	10	-	10	2
Plymouth (Cattewater)	1026.7	+1	E	4	b	40	85	6	-	-	0	-	0	0
Portland Bill	1026.8	0	E	4	c	39	85	6	1600	St	3	CiSt	10	2
Southampton (Calshot)	1028.2	+1	ESE	3	bc+	39	85	6	-	-	0	Ci	4	0
Dungeness	1028.6	-2	NE	4	o	35	97	6	1500	St	10	-	10	4
Guernsey (Fort George)	1025.8	0	E	3	bc+	41	97	5	800	St	3	-	3	4

London Observations. Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.

Station	Heights above M.S.L. in feet	Weather (24 hours ended 9h) Morning	Afternoon	Night	Temperature Max. Day °F.	Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h
Kew	18	ofom	omof	ofmd₀	33	32	32	-	Tr	0.0	•	•	
Croydon	244	offmm₀	om₀m	omfefe	38	31	31	-	Tr	0.0	•	•	4
Greenwich (Royal Obsy.)	149	oc	co	od₀fo	38	31	31	-	Tr	0.0	91	94	5
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	41	34	30	-	-	0.0	82	90	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110	oc	c	•	39	33	-	-	-	•	•	96	•
Kensington Palace	80	o	o	•	39	32	32	-	-	•	(At 18h) 81	100	•
Hampstead Observatory	450	•	•	•	38	28	28	-	-	0.0	•	99	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 7h. G.M.T. 15th

South Kensington

Max.	Time.	Min.	Time.
1.2	18hrs 14th	<0.3	4hrs 15th

Kew Observatory

Max.	Time.	Min.	Time.
0.5	12hrs 14th	<0.1	3hrs 15th

Pole Star Record at Greenwich Obsy.

Exposure from 14th 19 h 00 m. to 15th 5 h 15 m.

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

Code for State of Ground.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

Table showing the Greenwich Times of Sunrise, Noon, and Sunset. 15th-16th March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.11 6.8	12.2 12.2	17.58 17.57
Greenwich	6.17 6.15	12.9 12.9	18.2 18.4
Wick	6.32 6.30	12.21 12.21	18.12 18.14
Valentia	6.38 6.36	12.50 12.50	18.43 18.45

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog. " less than 200 m.
m mist, " 1000—2000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_o = slight rain. rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♉ = lunar halo.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bo/r = fair weather after rain; − = has decreased; + = has increased.

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

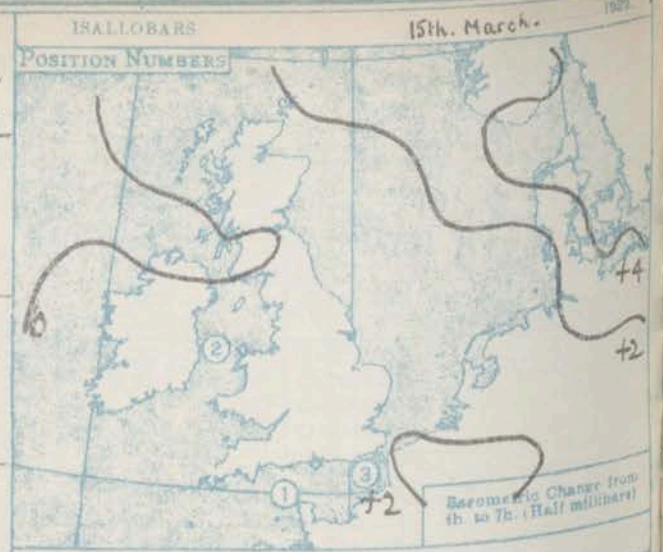
§ Telegraphic Code for Surface Visibility.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-13h. 14th	Weather. 13h.-18h. 14th	Weather. 18h. 14th to 1h. 15th	Weather. 1h.-7h. 15th	Temperature. Max Day 7h.-18h.	Temperature. Min. Night 18h.-7h.	Temperature. Min. on Grass	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Day. 7h.-18h. began.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Night. 18h.-7h. began.	Sun. 14th. Hours.
Lerwick	cpr bc	bc	bc	bc	55 51	38	•	Tr.	<8.00	–	–	6·5
Stornoway	cyzb	bz	f-m	bx3	(54)	29	•	–	–	–	–	8·1
Wick	b-bc	b-bc	cffc	c	51	37	•	–	–	–	–	•
Tiree	ffm	ocbcb	m₀b	bbcb	45	31	20	–	–	–	–	2·4
Nairn	bcme	bc	bcx	bx	50	29	•	Tr.	<8.00	–	–	7·3
Aberdeen	offebbcz	bcbm₀m	bmm₀	bmcoxe	44	34	26	–	–	Tr	–	5·0
Malin Head	bmm	bmm	ffoffofb	bm₀m₀	46	38	•	–	–	–	–	8·3
Renfrew	FFff	bfz	b3cm₀	com₀	51 37	35	31	–	–	–	–	2·4
Edinburgh (Inchkeith)	oFfe	oFf	ofmm	omFfe	(36)	34	34	Tr.	–	Tr	–	0·0
Leuchars	ofeof,bcmifbc,ofof	ofof	ofofom₀		42	36	35	Tr.	–	–	–	1·9
Eskdalemuir	bxbz₀f	byz₀	bbc	bcxm₀	52	30	28	–	–	–	–	9·2
Tynemouth	off	o	o	o	37	35	35	–	–	–	–	•
Blacksod Point ...	b	b	b	o	49	38	•	–	•	–	•	•
Donaghadee	bmmm	bff	bbccm	comm	47	37	•	–	–	–	–	•
Birr Castle	cm₀	cm₀	cm₀	cm₀	50	33	21	–	–	–	–	3·5
Holyhead	bmcmbz	bz₀m₀	mfofefe	bfefofefe	52	34	32	–	–	0·1	–	8·0
Liverpool (Bidston) ...	fccbz	y₀m	mbcb	bccm₀	47	34	29	–	–	–	–	5·4
Chester (Sealand) ...	ofemdcz	bbcz₀	bccm	om₀	47	34	32	–	–	–	–	5·6
Harrogate	oFb	bbccf	coff	ofo	47	31	30	–	–	–	–	5·1
Spurn Head	ofoc	o	o	oc	38	35	•	–	–	–	–	0·0
Birmingham (Edgbaston)	fcmc	mcbc	bcc	cof	41	31	31	–	–	–	–	1·2
Cranwell	ofcom	om₀	ofmo	co	41	33	33	Tr.	–	–	–	0·0
Gorleston	ffo	ffoe	ffoeo	od₀d	36	33	33	0·1	–	0·1	04·30	0·0
Valentia (Cahirciveen)	cz₀c	cz₀	o3₀	o3₀c	47	43	43	–	–	Tr	–	0·1
Roches Point	cg	c	cg	cg	45	42	•	–	–	–	–	•
Pembroke (St. Ann's H.)	cm₀	cbcm₀	mcbm₀	bbccm₀	49	36	•	–	–	–	–	2·1
Ross-on-Wye	om₀c	bz₀	b3₀com	ogom	45	32	30	–	–	–	–	3·6
Leafield	oc	bcb	bco	ffo	41	30	30	–	–	Tr	06·30	4·2
Winchester (Worthy Dn.)	ommbz	bzz	bmmom₀	om₀	45	32	29	–	–	–	–	4·0
S. Farnborough ...	om	ombcbom	om	omf	42	32	32	–	–	–	–	0·5
London (Kew Obsy.) ...	ofom	omof	ofm	omd₀	39	32	32	–	–	Tr	06·30	0·0
Croydon	offmm3	om₀m	om	offefe	38	31	31	–	–	Tr	–	0·0
Shoeburyness	oid₀o	o	oc	ocm₀	37	32	33	Tr.	<8.00	–	–	0·0
Clacton-on-Sea ...	ogm	ogm	ogm	ogmo	35	33	33	–	–	–	–	0·0
Felixstowe ...	ofcom	od₀m3	om	od₀d₀	35	32	32	Tr.	14.30	Tr	02.30	0·0
Lympne ...	oFm	om₀m	om m₀	om₀ff	36	32	33	–	–	–	–	0·0
Scilly (St. Mary's) ...	cid₀c	cm₀	c	cm₀	45	42	•	Tr.	9.00	–	–	0·0
Falmouth (Pendennis)	cr₀m₀	cm₀	c	cm₀	44	39	•	Tr.	<8.00	–	–	0·0
Plymouth (Cattewater)	omdq	cqm₀b	bm₀	bomuq	42	34	30	Tr.	–	–	–	2·3
Portland Bill	oz₀	ocz₀	com₀	o3₀	39	34	•	–	–	–	–	•
Southampton (Calshot)	ocm₀	ombmbcm	co	om₀	43	34	34	–	–	–	–	4·1
Dungeness	co	om₀	o3o3	om₀	37	34	•	–	–	–	–	•
Guernsey	cz₀	bcz₀bm	bcm₀oac	cm₀	45	37	•	–	–	–	–	5·0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Visibility.
2	10h 14th	HIBERNIA	NE	3	c	45	45	6
1	10h 14th	ST JULIEN	E	6	ffo	43	46	5

GENERAL INFERENCE.

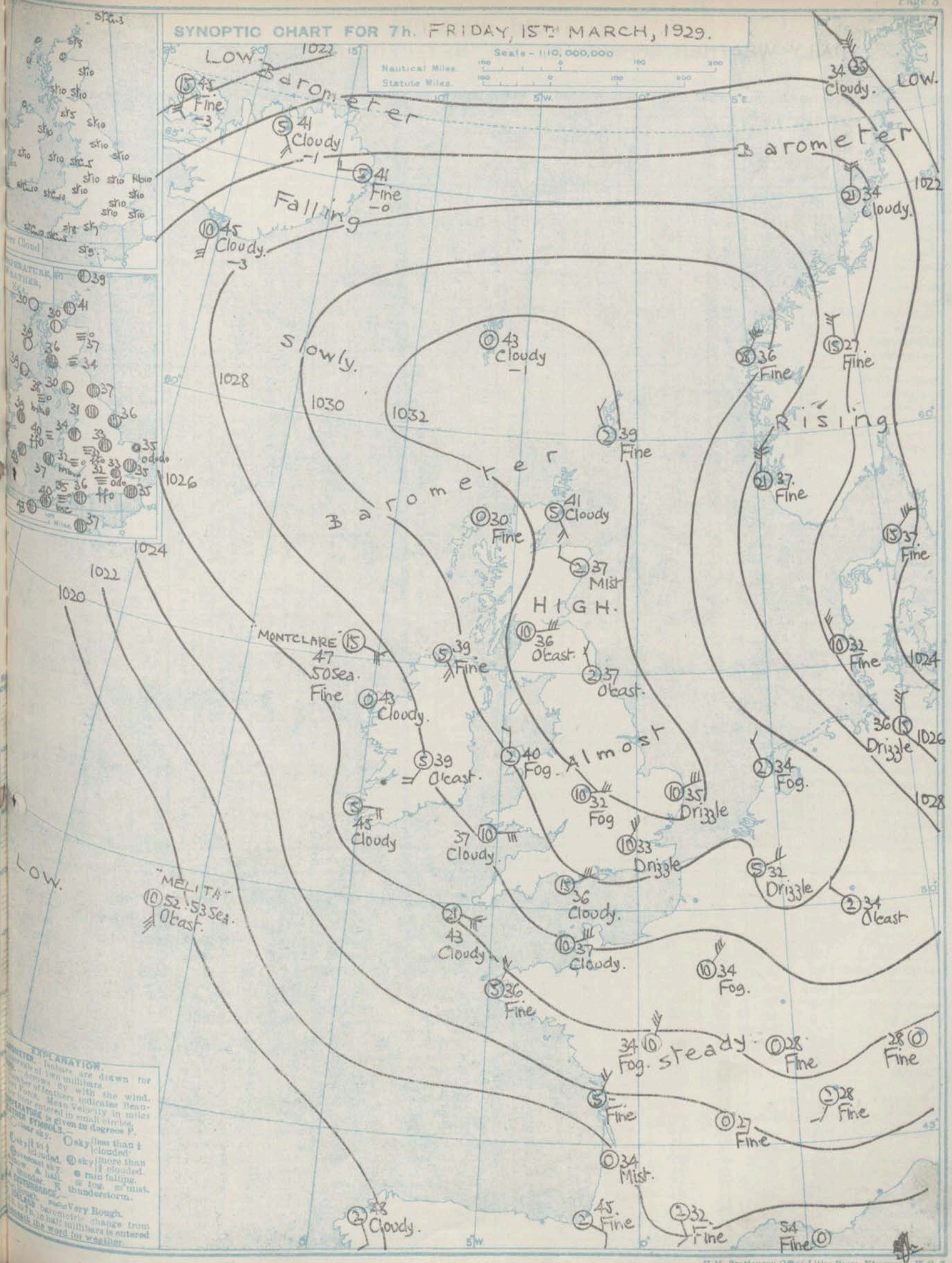
A large anticyclone remains centred over the British Isles and no appreciable change is indicated.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Friday, 15th March, 1929.	Farther Outlook.
1. S.E. England 2. E. England	Wind N.E. light or moderate; cloudy, local coast fog and drizzle; cold.	
~~3. E. Midlands~~	Wind N.E., light or moderate; cloudy, cold.	The dry spell will continue for some days.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind E. to S.E., mainly light or moderate; cloudy and bright periods; rather low to moderate temperature.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotland B. N.W. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	Wind variable, light; fair, local fog, chiefly night and morning; mild during day, ground frost at most places at night.	
~~17. N.W. Ireland~~		
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 4 - 7.	

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

† For code see page 1. † Trace = rain has fallen, but amount less than 0·1 mm.

SYNOPTIC CHART FOR 7h. FRIDAY, 1ST MARCH, 1929.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Friday 15th March 1929. No. 74

Stations.	Height above M.S.L. in feet.	Obs. at 1h. G.M.T. 15th. Barom. at M.S.L. mb.	Change in 3 Hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Obs. at 7h. G.M.T. 15th. Barom. at M.S.L. mb.	Change in 3 Hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sun. 0-9
Lerwick	54	1030·4	+1	NW	1	bc	43	85	8	1500	Cu	3	aCu	7	1032·6	+2	NW	1	bc	39	85	8	1500	StCu	3	aCu	4	•
Stornoway	30	1032·5	0	—	0	b|f	•	•	8	•	•	•	•	0	1030·5	0	—	0	b	30	92	6	—	—	0	—	8	0
Wick	81	1032·3	0	WNW	2	c	41	97	7	1500	Cu	5	aSt	10	1032·9	0	SSE	2	c	41	97	8	1500	St	8	Ci St	1	0
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1030·1	0	SSE	3	b	39	97	7	—	—	0	aCu	2	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1031·6	•	—	0	b-	30	85	7	—	—	0	—	10	0
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	1032·7	+1	WNW	1	mmo	37	97	4	1500	St	10	—	2	1
Malin Head	81	1029·5	-1	ENE	3	b	45	85	5	—	—	0	—	0	1029·3	-0	SE	2	b	39	92	5	—	—	0	Ci Cu	10	•
Renfrew	56	•	•	•	•	•	•	•	•	•	•	•	•	•	1032·4	0	E	3	o	36	97	5	800	St	10	—	10	0
Edinburgh (Inchkeith)	160	1032·7	0	E	2	mo-	36	97	4	<150	St	10	—	10	1032·3	-0	ESE	1	Fo+	34	97	1	<150	St	10	—	10	•
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	1033·0	0	—	0	o	37	97	5	450	St	10	—	5	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1033·1	-1	N	4	bc	30	92	6	800	St	5	—	10	0
Tynemouth	67	1033·5	0	NNE	1	o	37	92	7	800	St	10	—	10	1032·9	+0	NNW	1	o	37	92	6	800	St	10	—	10	1
Blacksod Point ...	18	1027·1	-0	W	2	b	39	97	8	•	—	0	—	0	1026·9	+0	—	0	c	43	92	6	•	—	0	aSt	10	2
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1030·3	+1	SE	2	mmo	38	92	4	2500	St	10	—	10	•
Birr Castle	178	•	•	•	•	•	•	•	•	•	•	•	•	•	1027·9	•	SW	2	o	39	92	6	800	St	10	—	10	0
Holyhead	30	1028·9	+1	SE	1	ffb	36	97	2	—	—	0	—	0	1029·2	0	N'W	1	ffo	40	97	3	<150	St	10	—	9	•
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1031·0	0	SE'S	4	c	34	92	5	1500	StCu	5	aSt	10	•
Chester (Scaland) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1031·0	0	SE'S	3	o	34	92	5	800	St	10	—	10	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	1033·5	0	N'E	2	o	31	92	6	2500	St	10	—	10	1
Spurn Head	28	1031·7	0	E	2	o	36	92	7	2500	St	10	—	10	1032·5	+0	E	2	c	36	92	7	4000	StCu	10	—	10	•
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•	1031·8	+1	E	3	ffo	32	97	2	<150	St	10	—	10	0
Cranwell	238	1032·3	+1	NE'E	2	o	34	97	6	800	St	10	—	10	1032·9	+1	ENE	3	o	33	92	6	1500	St	10	—	10	0
Gorleston	14	1031·6	0	E	3	o	34	92	5	1500	St	10	—	10	1032·3	0	ENE	3	odd	35	97	6	1500	Nb	10	—	10	0
Valentia (Cahirciveen) ‡	30	1026·6	0	SE	1	o	44	92	8	•	St	10	—	10	1026·2	+0	E'S	2	c	45	75	8	2500	St	10	—	10	0
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1027·8	0	E	2	c	43	85	7	2500	StCu	10	—	10	2
Pembroke (St. Ann's H.)	150	1028·0	+1	SE	1	b	38	97	6	—	—	0	Ci Cu	2	1028·0	0	E'S	3	c+	37	97	6	2500	StCu	10	—	10	•
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1030·8	0	ENE	4	mmo	32	97	4	450	St	10	—	10	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1031·0	0	NE'E	3	odd	31	92	2	<150	St	10	—	10	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•	1030·0	0	NE	3	o	32	92	5	800	St	10	—	10	•
S. Farnborough ...	257	•	•	•	•	•	•	•	•	•	•	•	•	•	1030·8	+1	ENE	3	ffo	32	97	3	220	St	10	—	10	•
London (Kew Obsy.) ...	18	•	•	•	•	•	35	•	•	•	•	•	•	•	1031·3	+1	NE	3	od	33	92	4	800	St	10	—	10	•
Croydon	244	1030·3	0	ENE	3	o	33	97	5	450	St	10	—	10	1030·7	+0	NE'E	2	Fo+	33	97	1	<150	St	10	—	10	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1031·4	+1	NE	3	o	36	97	6	800	St	10	—	10	2
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1031·8	+1	NE	4	o	35	97	6	4000	St	10	—	10	1
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1031·7	0	NE'E	3	odd	35	97	6	450	Nb	10	—	10	•
Lympne	350	1029·4	+1	NE'N	4	o	33	97	6	800	St	10	—	10	1030·0	+1	NE	5	ffo	33	97	2	<150	St	10	—	10	5
Scilly (St. Mary's) ...	163	1026·0	-1	ESE	5	c	42	92	7	4000	StCu	10	—	10	1025·5	0	ESE	5	c	43	92	5	4000	StCu	10	—	10	2
Falmouth (Pendennis)	200	1027·1	0	ESE	3	c	42	92	7	4000	StCu	10	—	10	1027·4	0	E'S	3	c	40	92	6	4000	StCu	5	aSt	8	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1027·5	0	E	5	mc-	35	92	4	220	St	8	—	10	4
Portland Bill	52	1028·4	+1	ENE	4	o	37	92	5	1500	St	10	—	10	1028·4	+1	ENE	4	c-	36	85	6	1500	St	7	aSt	10	0
Southampton (Calshot)	10	1029·9	+1	ENE	3	o	34	85	7	800	St	10	—	10	1029·8	0	NE	4	o	35	85	5	800	St	10	—	10	0
Dungeness	20	1029·4	+1	NE	4	o	35	97	6	800	St	10	—	10	1029·5	+1	NE	5	o	35	97	6	1500	St	10	—	9	5
Guernsey (Fort George) ‡	295	1027·4	0	ENE	3	ifo	39	97	3	450	St	10	—	10	1027·3	0	E	3	c	37	97	5	1500	St	9	—		

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.-18th. to 9h. 19th.	Temperature. Max. 9h.-17th. 19th.	Rainfall.† Night 17h.-9h. 18th.-19th.	Rainfall.† Day 9h.-17h. 19th.	Sunshine. Sunrise to 17h. 19th.	Sunshine. Sunrise to Sunset. 18th.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	bo	c	29	37	-	-	0·0	9·5
Douglas (I. o. M.) ...	bxc	cb	39	57	-	-	8·2	4·1
Llandudno ...	b	b	35	55	-	-	8·7	3·6
Colwyn Bay ...	b	b	33	56	-	-	9·5	3·7
Rhyl	b	b	30	59	-	-	8·6	3·8
Wallasey	fcbc	b bz	33	46	-	-	5·7	2·5
Southport	cfobc	bcz	*30	48	-	-	4·2	4·2
Blackpool	cbc	bcm	32	50	-	-	5·8	4·6
Ilkley	mbb	bc	28	52	-	-	6·2	5·9
Cleethorpes	fo	o	34	38	-	-	0·0	5·7
Skegness	ofc	fco	33	36	Trace	Trace	0·0	4·1
Aberystwyth ...	rzbbc	bbc	35	45	-	-	9·5	5·9
Bath	c	cbcb	37	48	-	-	4·4	0·0
Cheltenham‖ ...	obc	b	34	47	-	-	5·5	0·0
Leamington Spa ...	c	c	32	41	-	-	0·1	0·0
Lowestoft	cf	cf	32	35	Trace	-	0·0	0·0
Harwich & Dovercourt	ocdo	cof	33	36	Trace	-	0·0	0·0
Maldon	o	o	33	37	-	-	0·0	0·0
Southend	om	o	34	36	Trace	-	0·0	0·4

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	cbcb	b	39	49	-	-	5·0	5·3
Penzance	oc	co	41	45	-	-	0·0	0·0
Paignton	oqz	om	38	40	-	-	0·0	0·0
Torquay	omo	om	38	41	-	-	0·0	0·0
Jersey	b	b	37	47	-	-	6·7	4·2
Weymouth	occb	bm	37	42	-	-	3·0	0·0
Bournemouth ...	ob	b	36	44	-	-	3·6	0·2
Ventnor ...	om	obcb	35	41	-	-	2·4	0·0
Portsmouth (S'thsea)	o	b	36	46	-	-	2·9	0·0
Bognor	c	b	35	42	-	-	4·6	0·0
Littlehampton ...	cbc	b	35	46	-	-	5·0	0·0
Worthing	ocb	cb	35	45	-	-	4·7	0·0
Brighton	cobc	cbc	35	47	-	-	4·4	0·0
Eastbourne‖	o	bcco	34	40	-	-	2·1	0·0
Hastings‖	o	ocbc	33	41	-	-	0·5	0·0
Folkestone	ofom	om	32	36	Trace	-	0·0	0·3
Dover	mo	om	34	36	mo	om	0·0	0·0
Tunbridge Wells ...	o	o	33	38	-	-	0·0	0·0
Ramsgate	om	om	33	36	-	-	0·0	0·0
Margate	c	c	33	37	-	-	0·0	0·1
Deal	o	o	33	36	-	-	0·0	

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

* Information not usually received. ‡ The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. § For code see page 1. †: See footnote page 1.

‖ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. & 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24586 Saturday, 16th March 1929. Page 1.

Observations at 15h. G.M.T. 15th

Stations. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1031.8	-1	E	1	bc	45	66	8	1500	Cu	4	-	4	•
Stornoway	1029.6	-1	-	0	b-	50	65	8	-	-	0	-	0	•
Wick	1032.1	0	SSE	3	c	43	85	8	1600	St	8	ASt	10	•
Tiree	1029.3	0	SSE	4	b-	49	75	8	-	-	0	-	0	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1032.6	-1	SE'S	3	c	43	85	6	1500	StCu	10	-	10	1
Malin Head	1029.0	-1	E	3	b	47	75	5	-	-	0	-	0	•
Renfrew	1031.8	-1	ENE	3	c	42	85	6	800	StCu	9	-	9	1
Edinburgh (Inchkeith)	1031.9	0	ESE	1	o	39	97	7	1500	St	10	-	10	•
Leuchars	1032.7	-1	ESE	3	c	44	85	7	2500	StCu	9	-	9	1
Eskdalemuir	1032.2	-2	NE	4	bc	41	75	7	800	St	5	-	5	2
Tynemouth	1033.3	0	NNE	1	o	39	92	6	800	St	10	-	10	•
Blacksod Point	1027.8	+1	E	1	b	47	65	7	•	-	0	-	0	•
Donaghadee	1029.9	-1	SE	2	mmb	45	75	4	-	-	0	-	0	•
Birr Castle	1027.5	•	SW	2	c	48	65	7	1500	St	~~10~~ 9	-	~~10~~ 9	•
Holyhead	1029.1	-1	NW	1	fb-	42	97	4	-	-	0	-	0	5
Liverpool (Bidston)	1030.8	-1	SSE	5	bc-	40	75	6	-	-	0	ASt	4	•
Chester (Sealand)	1031.1	-1	SSE	4	c-	39	76	5	800	StCu	8	-	8	1
Harrogate	1033.1	0	ESE	1	c	36	85	6	2500	St	7	ASt	10	•
Spurn Head	1032.7	0	E	2	c	39	85	7	4000	StCu	10	-	10	•
Birmingham (Edgbaston)	1031.9	-1	ESE	3	c-	36	85	5	2500	Cu	8	-	8	1
Cranwell	1033.2	0	E'S	2	o	37	85	6	450	St	10	-	10	1
Gorleston	1032.9	+1	NE'E	2	odg	37	97	6	2600	Nb	10	-	10	•
Valentia (Cahirciveen)	1025.8	-1	SW'S	1	c	49	65	7	2600	StCu	8	-	8	0
Roches Point	1027.9	0	E	3	c	44	85	5	800	St	10	-	10	•
Pembroke (St. Ann's H.)	1028.3	-1	SE	3	c+	40	86	6	2500	StCu	6	ASt	8	•
Ross-on-Wye	1030.8	0	E	3	o	36	85	6	1500	St	10	-	10	1
Leafield	1031.1	0	E	3	c-	36	92	7	2600	StCu	9	-	9	2
Winchester (Worthy Dn.)	1029.9	-2	NE	4	bc-	43	75	5	1500	St	3	-	3	1
S. Farnborough	1030.6	-1	ENE	4	c	39	85	5	800	St	9	-	9	0
London (Kew Obsy.)	1031.3	-1	E	4	mmo	38	92	4	800	St	10	-	10	1
Croydon	1031.1	0	E'N	4	o	38	92	5	450	St	10	-	10	1
Shoeburyness	1032.2	+1	ENE	4	o	38	97	7	800	St	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1033.0	+1	NE	3	old	36	97	6	450	St	10	-	10	1
Lympne	1030.9	0	NE	5	ffo	36	97	3	<150	St	10	-	10	1
Scilly (St. Mary's)	1026.2	+1	SE'E	6	c	44	65	6	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1027.9	-1	E'S	4	c	40	~~92~~ 95	6	4000	StCu	10	-	10	•
Plymouth (Cattewater)	1027.9	-1	E	5	bc	39	85	6	1500	St	7	-	7	0
Portland Bill	1028.6	0	ENE	4	bc-	39	85	5	1500	St	7	-	7	•
Southampton (Calshot)	1029.2	-3	ESE	4	b	43	75	6	-	-	0	-	0	0
Dungeness	1030.8	-2	NE	5	ffo	36	97	3	<150	St	10	-	10	•
Guernsey (Fort George)	1027.3	-2	E	3	c-	40	85	5	1600	St	7	ASt	9	•

Observations at 18h. G.M.T. 15th

Stations.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1031.3	-2	SE	1	bc	43	65	8	1500	StCu	4	ACu	7	•
Stornoway	1028.3	-1	-	0	bc+	43	92	7	4000	(St)	(4)	(CiSt)	(6)	0
Wick	1030.1	-2	SE	3	c	42	97	8	2500	StCu	8	-	8	0
Tiree	1028.1	-2	SSE	1	b-	44	85	7	-	-	0	-	0	0
Nairn	1028.6	•	-	0	bc	40	85	7	-	-	0	Ci	3	•
Aberdeen	1031.6	-1	SSE	3	c-	43	85	6	1500	StCu	9	-	9	0
Malin Head	1027.6	-1	S	1	b	47	75	5	-	-	0	-	0	0
Renfrew	1030.8	0	ENE	3	c	42	85	5	-	-	0	CiSt	8	•
Edinburgh (Inchkeith)	1031.2	-1	SE	1	o	40	92	7	1600	St	10	-	10	0
Leuchars	1031.4	0	E	2	c+	41	97	7	800	StCu	10	-	10	•
Eskdalemuir	1031.1	-1	N'E	3	bc	37	85	6	1500	St	4	Ci	7	•
Tynemouth	1031.8	-1	S	1	o	40	92	5	800	St	10	-	10	0
Blacksod Point	1025.7	-2	E	2	b	45	75	6	•	-	0	ACu	2	2
Donaghadee	1028.5	-1	ESE	1	mmb	43	85	4	-	-	0	-	0	1
Birr Castle	1025.1	•	S	2	co	53	76	6	1500	St	9o	-	9o	•
Holyhead	1027.9	0	-	0	bc	44	92	5	-	-	0	CiCu	4	0
Liverpool (Bidston)	1029.5	-1	S'E	5	bc+	40	75	5	-	-	0	CiCu	5	•
Chester (Sealand)	1029.9	0	SE'E	4	c+	38	86	6	-	-	0	Ci	8	•
Harrogate	1032.3	-1	SE	1	c	37	86	5	2600	St	9	ASt	10	•
Spurn Head	1031.8	0	-	0	c	38	97	6	4000	StCu	10	-	10	0
Birmingham (Edgbaston)	1031.2	0	E	3	o	37	92	5	1500	St	10	-	10	•
Cranwell	1032.5	0	SE'E	3	o	36	92	6	450	St	10	-	10	•
Gorleston	1032.4	0	NE'N	2	c	37	92	6	4000	Nb	10	-	10	0
Valentia (Cahirciveen)	1023.5	-2	NE'N	2	c	50	65	6	4000	StCu	8	-	8	0
Roches Point	1026.8	-2	E	3	c	43	85	7	1600	StCu	10	-	10	1
Pembroke (St. Ann's H.)	1027.1	-2	ESE	3	b-	40	97	6	-	-	0	-	0	1
Ross-on-Wye	1029.8	-1	ENE	2	b	39	75	6	-	-	0	Ci	2	•
Leafield	1030.3	+1	ESE	4	o	37	85	6	2600	St	10	-	10	•
Winchester (Worthy Dn.)	1029.6	+1	NE	3	c+	39	85	6	800	StCu	10	-	10	•
S. Farnborough	1030.3	0	ENE	4	mo	36	92	4	450	St	10	-	10	•
London (Kew Obsy.)	1031.1	+1	E	4	mmo	36	92	4	800	St	10	-	10	•
Croydon	1031.0	0	E'N	4	mmo	35	97	4	<150	St	10	-	10	•
Shoeburyness	1031.5	0	ENE	2	o	37	97	7	800	St	10	-	10	•
Clacton-on-Sea	1031.7	-1	NE	4	o	36	97	6	4000	St	10	-	10	3
Felixstowe	1032.3	0	NE	3	o	36	92	5	450	St	10	-	10	1
Lympne	1030.6	0	ENE	4	o/f	36	92	6	450	St	10	-	10	•
Scilly (St. Mary's)	1026.7	-1	SE'E	6	c	43	86	6	4000	StCu	9	-	9	6
Falmouth (Pendennis)	1026.7	-1	SE	4	c-	40	86	6	2500	StCu	9	-	9	4
Plymouth (Cattewater)	1026.5	-1	E	5	b	41	75	7	-	-	0	Ci	1	0
Portland Bill	1027.0	-1	ENE	5	c+	40	92	6	1600	St	8	-	8	4
Southampton (Calshot)	1029.4	+2	ENE	4	b	40	85	6	-	-	0	Ci	1	0
Dungeness	1030.2	+1	ENE	5	o	37	92	6	800	St	10	-	10	3
Guernsey (Fort George)	1026.5	-1	ENE	2	bc-	40	92	6	1600	St	3	Ci	4	3

London Observations. Day: 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.

Station	Heights above M.S.L. in feet	Weather (24 hours ended 9h) Morning	Afternoon	Night	Temperature Max. Day °F.	Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	9h. G.M.T. % (To-day)	Visibility 9h
Kew	18	omd₀	om	om₀o	35	35	35	Tr†	-	0.0	•	•	5
Croydon	244	ofefem	om₀me	omem₀	38	35	39	-	-	0.0	•	•	6
Greenwich (Royal Obsy.)	149	oc	c	c	38	36	34	-	-	0.0	91	80	5
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	40	36	32	-	-	0.0	80	80	•
Regent's Pk. (Botanic Gdns).	183	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110	oc	o	•	37	36	-	-	-	•	•	82	•
Kensington Palace	80	o	o	•	38	35	35	-	-	•	(At 18h) 100	91	•
Hampstead Observatory	450	•	•	•	37	32	32	-	-	0.0	•	88	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 16th

South Kensington Max.	Time.	Min.	Time.
1.0	15hm 15th	<0.3	9hm 16th

Kew Observatory Max.	Time.	Min.	Time.
0.3	14hm 15th	<0.1	2-5hm 16th

Pole Star Record at Greenwich Obsy.

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

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

Code for State of Ground.

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 15h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

Table showing the Greenwich Times of Sunrise, Noon, and Sunset. 16th and 17th March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.8 / 6.6	12.2 / 12.2	17.57 / 17.58
Greenwich	6.15 / 6.13	12.9 / 12.9	18.4 / 18.6
Wick	6.30 / 6.27	12.21 / 12.21	18.14 / 18.17
Valentia	6.56 / 6.54	12.50 / 12.49	18.45 / 18.46

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♅ = lunar halo.
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; − = has decreased; + = has increased.

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

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

Sea Disturbance.

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

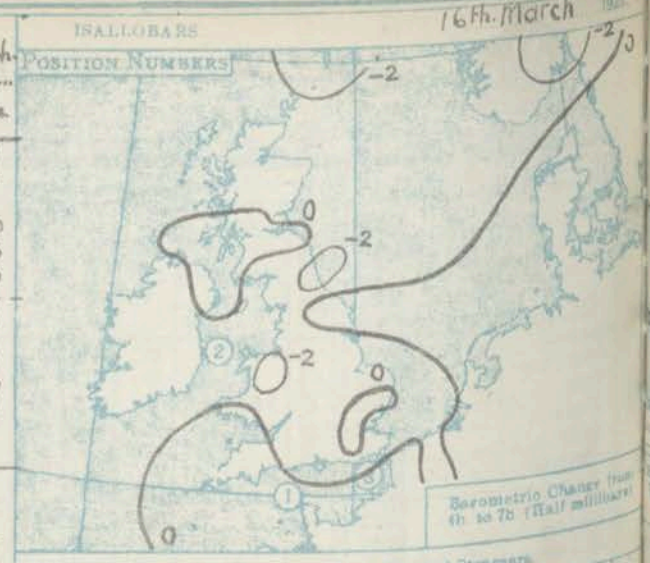
§ Telegraphic Code for Surface Visibility.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 15th	WEATHER. 18h.-18h. 15th	WEATHER. 18h. 15th to 1h. 16th	WEATHER. 1h.-7h. 16th	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on Grass	RAINFALL.† Day, 7h.-18h. mm.	RAINFALL.† Day, 7h.-18h. began.	RAINFALL.† Night, 18h.-7h. mm.	RAINFALL.† Night, 18h.-7h. began.	SUN 15th Hours.
Lerwick	bc	bc	bc c	c	47	40	•	–	–	–	–	6.7
Stornoway	bz	b-bc	b-bc	bbcx3	50	26	•	–	–	–	–	8.9
Wick	c	c	b-bc	bc f f	44	38	•	–	–	–	–	•
Tiree	bcb	b	b	bm bc	50	39	29	–	–	–	–	10.0
Nairn	bbc	bc	bxbc	bc	47	27	•	–	–	–	–	9.3
Aberdeen	omcmcz	cz	cz	coz m	43	38	37	–	–	–	–	0.0
Malin Head	bzz	bzz	bzz	bbccm	51	36	•	–	–	–	–	7.3
Renfrew	omcz	cbcz	bm	bm om	45	33	26	–	–	–	–	3.1
Edinburgh (Inchkeith)	ofmm	o	o	om m	41	33	31	–	–	–	–	0.0
Leuchars	om, c	c	c	co	46	37	36	–	–	–	–	1.0
Eskdalemuir	bcxm bc	bcm	bccm	cofx	42	24	25	–	–	–	–	7.1
Tynemouth	o	o	o	o	41	35	35	–	–	–	–	•
Blackrod Point ...	b	b	b	bc	48	37	•	–	•	–	•	•
Donaghadee	bcbmm	bmm	bbcmm	cmm	45	38	•	–	–	–	–	•
Birr Castle	c	cm	cm	om	55	36	30	–	–	–	–	6.2
Holyhead	ffFFff	mbcm	bcm fcfc	bFcfcxm	49	33	29	–	–	0.1	–	5.6
Liverpool (Bidston) ...	mbcz	bcz	c	czcc	43	34	30	–	–	–	–	5.3
Chester (Sealand) ...	omc	cz	om	om	42	35	32	–	–	–	–	4.0
Harrogate	oc	c	c	c	37	34	33	–	–	–	–	0.0
Spurn Head	c	c	co	c	40	36	•	–	–	–	–	0.0
Birmingham (Edgbaston)	foc	cbco	oc	c	37	33	33	–	–	–	–	6.1
Cranwell	om	o	ofd	o	38	33	33	–	–	Tr	22.00	0.0
Gorleston	odd	od c	c	c	39	36	35	0.1	<8.00	–	–	0.0
Valentia (Cahirciveen)	cbcc	czp	cz	czbc	53	43	39	Tr.	16.30	Tr	–	3.6
Roches Point	cozz	oczz	czo	c	45	42	•	–	–	–	–	•
Pembroke (St. Ann's H.)	cbcm	cbcbm	bbccm	cm	42	36	•	–	–	–	–	6.1
Ross-on-Wye	omo	ocb	bmcom	omo	42	35	32	–	–	–	–	1.8
Leafield	foc	bcc	o	o	41	33	32	–	–	–	–	2.1
Winchester (Worthy Dn.)	omombcz	bzcm	cm	cmc	45	35	35	–	–	–	–	5.3
S. Farnborough ...	ofdcm	comm	omd	omcm	40	35	35	Tr.	9.00	Tr	<21.00	0.0
London (Kew Obsy.) ...	omd	om	om	omo	39	35	35	Tr	<08.00	–	–	0.0
Croydon	afefem	ommc	omem	om	38	35	34	–	–	–	–	0.0
Shoeburyness	o	o	o	o	39	35	36	–	–	–	–	0.0
Clacton-on-Sea ...	p	o	og	og	36	35	36	–	–	–	–	0.0
Felixstowe	odm	om	omc	c	37	36	35	Tr.	<8.00	–	–	0.0
Lympne	off	ofm	omo	oc	36	35	35	–	–	–	–	0.0
Scilly (St. Mary's) ...	cm	cm	cbcc	c	44	41	•	–	–	–	–	0.~~7~~9
Falmouth (Pendennis)	cm	cm	cm	c	41	40	•	–	–	–	–	0.0
Plymouth (Cattewater)	bccmq	bmq	boq	ocmq	42	38	37	–	–	–	–	6.5
Portland Bill	cocm	bcz	oncoz	oz	42	38	•	–	–	–	–	•
Southampton (Calshot)	oc, bm	bm	o	om	45	37	36	–	–	–	–	~~7.2~~ 5.9
Dungeness	oz f	ofom	o	o	37	36	•	–	–	–	–	•
Guernsey	comcz	cbcm	bccom	om	42	37	•	–	–	–	–	3.4



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Authority.
2	10h.	HIBERNIA	N	1	C	42	45	

GENERAL INFERENCE.

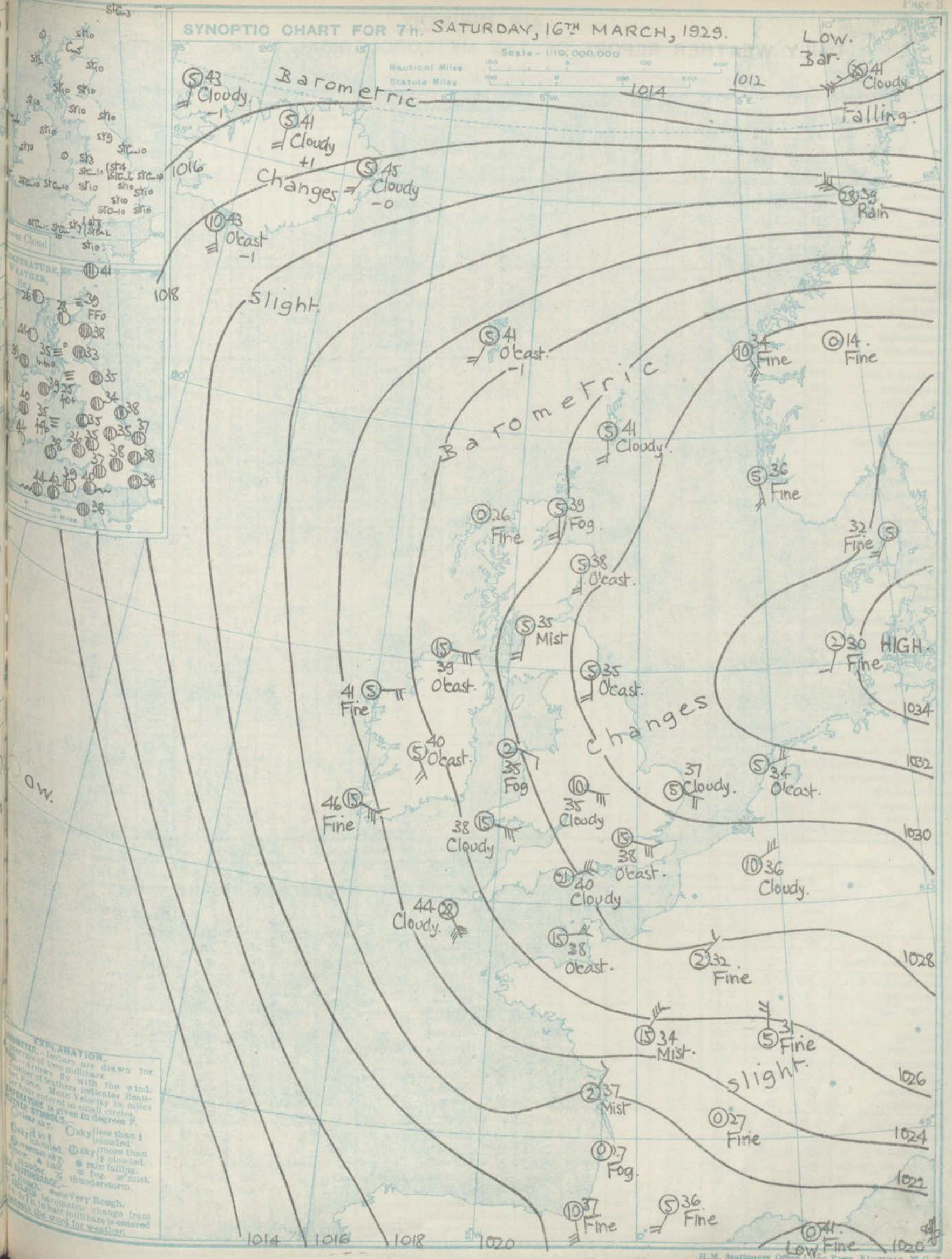
The recent anticyclone is now passing away over Central Europe. Wind will be south-easterly and weather will become brighter and warmer over Great Britain, but may deteriorate before long in West Ireland.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Saturday, 16th March, 1929.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind east, veering southeast, moderate to light; cloudy, becoming bright; local morning fog; rather cold at first with local ground frost at night; becoming much warmer temorrow.	Fine over most of Great Britain with warm days. Less settled in West Ireland.
5. S.W. England 6. South Wales	Wind southeast, moderate or fresh, strong locally; fair; becoming warmer.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13 A. W. Scotland 13 B. N.W. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland	Wind southeast, light or moderate; fine; local morning fog; rather warm during day, ground frost locally at night.	
20. S.W. Ireland	As 5.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0945 G.M.T. G. C. SIMPSON, F.R.S., Director.

‡ For code see page 1

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



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Saturday, 16th March 1929. No. 75.

Stations	Height above M.S.L. in feet	1h Barom. at M.S.L. mb.	1h Change in 3 Hours	1h Wind Direc.	1h Wind Force 0-12	1h Weather	1h Temp. °F.	1h Humidity %	1h Visibility 0-9	1h Low Cloud Height Feet	1h Low Cloud Form	1h Low Cloud Amt. 0-10	1h Upper Form	1h Total Amt. 0-10	7h Barom. at M.S.L. mb.	7h Change in 3 Hours	7h Wind Direc.	7h Wind Force 0-12	7h Weather	7h Temp. °F.	7h Humidity %	7h Visibility 0-9	7h Low Cloud Height Feet	7h Low Cloud Form	7h Low Cloud Amt. 0-10	7h Upper Form	7h Total Amt. 0-10	Sea 0-9
Lerwick	64	1030.4	0	SE	2	c	42	65	8	1500	StCu	5	aSt	10	1028.2	-2	S	2	c	41	75	8	1500	StCu	3	aSt	10	•
Stornoway	20	1028.9	0	–	0	b-	•	•	8	•	•	•	•	0	1026.9	-1	–	0	bc	26	92	6	–	–	0	aSt	5	0
Wick	81	1028.8	-1	S	4	b	40	97	8	2500	St	2	–	2	1027.3	-1	S	2	Fo	39	97	1	220	St	10	–	10	0
Tiree	39	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.7	-1	S'E	4	b	44	92	7	800	St	2	–	2	1
Nairn	80	•	•	•	•	•	•	•	•	•	•	•	•	•	1027.9	•	–	0	bc	28	85	6	2500	Cu	5	–	5	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.3	-1	S	2	o	38	92	5	800	St	10	–	10	0
Malin Head	81	1027.4	-1	SSE	4	mb+	40	85	4	–	–	0	–	0	1026.9	+1	ESE	4	mmo	39	92	4	1500	St	10	–	10	1
Renfrew	20	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.6	0	S	2	mmo	35	97	4	800	St	10	–	10	•
Edinburgh (Inchkeith)	160	1030.7	-0	SE	1	o	36	92	7	1500	St	10	–	10	1029.2	0	SE	2	o	33	97	6	800	St	10	–	10	0
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.2	-1	–	0	o	37	85	6	1500	St	10	–	10	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1030.7	-0	NW	1	fo+	25	92	2	<150	St	10	–	10	•
Tynemouth	87	1031.9	0	S	2	o	37	92	6	800	St	10	–	10	1030.4	–	S	2	o	35	92	6	1500	St	10	–	10	1
Blacksod Point	18	1029.4	-1	–	0	b	40	85	6	•	–	0	–	0	1024.1	-1	E	2	bc	41	85	7	•	StCu	6	–	6	2
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1028.1	0	SSE	2	o-	39	85	5	2500	St	10	–	10	2
Birr Castle	178	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.9	•	SE	2	o	40	85	6	800	St	10	–	10	•
Holyhead	30	1028.6	0	–	0	FFb	33	97	0	–	–	0	–	0	1027.5	-0	ESE	1	ffb	35	97	3	–	–	0	Ci	2	0
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.2	-1	SE'S	4	c	35	92	6	2500	St	3	aSt	9	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.4	-2	SSE	4	o	35	92	5	800	St	10	–	10	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	1031.2	0	S	2	c	34	92	5	2500	St	9	aSt	10	1
Spurn Head	29	1031.9	0	–	0	o	37	97	6	2500	St	10	–	10	1031.1	0	S'W	2	c	38	85	7	2500	StCu	10	–	10	•
Birmingham (Edgbaston)	505	•	•	•	•	•	•	•	•	•	•	•	•	•	1030.5	-0	ESE	3	c	35	92	6	1500	StCu	10	–	10	•
Cranwell	238	1032.5	-0	SE'S	2	o	34	97	5	450	St	10	–	10	1031.9	-1	SE	1	c	35	92	6	1500	StCu	10	–	10	•
Gorleston	14	1032.2	0	NNE	2	c	37	97	7	–	–	0	aSt	10	1031.5	-1	SE'E	2	c	37	85	6	5700	StCu	10	–	10	0
Valentia (Cahirciveen) ⁋	30	1023.6	-1	E'S	4	bc	43	97	9	x	CuNb	6	–	6	1022.9	-1	SE'E	4	bc	46	75	8	2500	St	5	aCu	6	3
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1025.7	-1	E	3	c	44	85	7	1500	StCu	10	–	10	1
Pembroke (St. Ann's H.)	160	1027.3	0	ESE	4	o+	39	97	5	2500	St	10	–	10	1026.9	0	ESE	4	c	38	92	6	1500	StCu	10	–	10	1
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.5	-1	E'S	2	o	36	85	6	1500	St	10	–	10	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.7	-1	ESE	3	c	35	85	7	4000	StCu	10	–	10	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.9	-1	E	3	c	36	85	8	1500	St	10	–	10	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.4	-0	E	2	c	37	85	6	1500	StCu	10	–	10	•
London (Kew Obsy.)	18	•	•	•	•	•	38	•	•	•	•	•	•	•	1030.2	0	E'S	4	o	38	75	6	1500	St	10	–	10	•
Croydon	244	1030.8	0	E	4	o	37	92	6	450	St	10	–	10	1029.9	0	ESE	4	o	37	85	6	1500	St	10	–	10	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1030.5	-1	ESE	3	o	38	85	7	4000	St	10	–	10	•
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1030.8	-1	E	4	o	38	85	6	4000	St	10	–	10	2
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1031.1	0	E'N	3	c	38	85	7	800	St	10	–	10	2
Lympne	350	1030.5	-0	ENE	3	o	37	85	7	1500	St	10	–	10	1029.6	-1	E'N	4	c-	36	85	7	1500	St	8	–	9	•
Scilly (St. Mary's)	163	1024.3	0	ESE	6	c	43	92	6	4000	StCu	10	–	10	1025.0	0	SE	6	c	44	85	5	4000	StCu	10	–	10	6
Falmouth (Pendennis)	200	1026.4	-1	SE	4	c	41	92	7	4000	StCu	10	–	10	1026.2	0	SE	4	c	42	85	7	4000	StCu	10	–	10	2
Plymouth (Cattewater)	89	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.4	0	E	5	bc	39	85	6	1500	St	7	–	7	0
Portland Bill	32	1027.4	0	E'N	5	o	39	85	6	1500	St	10	–	10	1026.5	-1	E'N	5	c	40	85	6	1500	St	10	–	10	3
Southampton (Calshot)	10	1029.7	-1	E	5	o	38	85	7	800	St	10	–	10	1029.1	-1	E	4	o	38	75	6	800	St	10	–	10	2
Dungeness	20	1030.5	0	E	4	o	38	97	8	1500	St	10	–	10	1029.7	-1	E	3	o	38	85	7	1500	St	10	–	10	3
Guernsey (Fort George) ⁋	285	1026.8	+1	ENE	4	c+	39	97	5	2500	StCu	10	–	10	~~1025.7~~ 1026.7	+1	E	4	o	38	92	6	1500	St	10	–	10	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 15th March 1929

Stations (1)	Weather Forenoon (2)	Weather Afternoon (3)	Temperature Min. 9h.-14th to 9h. 15 (4) °F.	Temperature Max. 9h.-17h. 15th (5) °F.	Rainfall† Night 17h.-9h. 14th-15 (6) mm.	Rainfall† Day 9h.-17h. 15th (7) mm.	Sunshine Sunrise to 17h. 15th (8) hr.	Sunshine Sunrise to Sunset 14th (9) hr.
Berwick-on-Tweed	o	o	32	42	–	–	0.0	0.0
Douglas (I. o. M.)	c bc	bcb, c	35	44	–	–	6.0	8.6
Llandudno	b	b	34	52	–	–	9.7	9.2
Colwyn Bay	b	b	33	52	–	–	10.0	10.1
Rhyl	b	b	31	50	–	–	9.8	8.8
Wallasey	ocbcb	bbc	33	45	–	–	6.1	5.7
Southport	xbz	bzbcz	*30	49	–	–	6.5	3.8
Blackpool	c bc	bccz	31	48	–	–	7.0	5.8
Ilkley	cbc	co	31	41	–	–	2.1	6.2
Cleethorpes	o	o	35	39	–	–	0.0	0.0
Skegness	o	o	34	38	Trace	–	0.0	0.0
Aberystwyth	xzb	bz	33	62	–	–	9.9	9.8
Bath	c	cbcbm	34	46	–	–	3.0	4.4
Cheltenham‡	o	bcbbc	32	44	–	–	2.6	5.5
Leamington Spa	c	c	32	39	–	–	0.0	0.1
Lowestoft	ofc	c	32	38	–	–	0.0	0.0
Harwich & Dovercourt	ozm	oc	32	37	Trace	–	0.0	0.0
Maldon	o	o	32	37	–	–	0.0	0.0
Southend	om	od.	33	37	Trace	Trace	0.0	0.0

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	ocmbc	bcb	33	48	–	–	7.0	5.0
Penzance	c	c	41	44	–	–	0.0	0.0
Paignton	omc	bc	34	41	–	–	1.2	0.0
Torquay	bmocbc	bz	35	42	–	–	1.6	0.0
Jersey	gcbc	b	31	45	–	–	6.4	7.1
Weymouth	cb	b	34	45	–	–	4.3	3.5
Bournemouth	o	b	33	50	–	–	6.0	3.6
Ventnor	oz	obom	34	44	–	–	4.0	2.4
Portsmouth (S'thsea)	ocb	b	34	51	–	–	6.2	2.9
Bognor	cb	b	33	46	–	–	7.1	4.6
Littlehampton	cbc	bcb	34	49	–	–	7.2	6.4
Worthing	cbc	bbc	34	50	–	–	7.2	4.7
Brighton	bcbc	bcb	35	50	–	–	7.6	4.4
Eastbourne‡	o	oco	35	39	–	–	0.5	2.1
Hastings‡	oc	co	33	39	–	–	0.0	0.5
Folkestone	of	of	33	36	–	–	0.0	0.0
Dover	mo	mo	34	37	–	–	0.0	0.0
Tunbridge Wells	o	o	32	39	–	–	0.0	0.0
Ramsgate	om	o	34	37	–	–	0.0	0.0
Margate	c	c	34	38	–	–	0.0	0.0
Deal	o	o	34	37	–	–	0.0	0.0

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* Information not usually received. ⁋ The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. † For code see page 1. ¶‡ See footnote page 1.

‡ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24,587 Sunday 17th March 1929.

Observations at 18h. G.M.T. 16h

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1027·0	-2	S'E	2	c	43	75	7	1500	StCu	5	aSt	10	•
Stornoway	1025·7	-2	-	0	b•	52	65	7	-	-	0	CiSt	2	•
Wick	1026·4	-1	S	2	FFo	39	97	1	220	St	10	-	10	•
Tiree	1026·7	-1	S'E	4	o	41	85	6	800	St	10	-	10	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1028·2	-1	S	3	c	39	92	5	1500	St	10	-	10	1
Malin Head	1025·9	-1	S	3	c	45	75	5	5700	StCu	9	aCu	9	•
Renfrew	1028·6	-1	ESE	2	c-	40	75	6	800	St	9	-	9	1
Edinburgh (Inchkeith)	1028·9	-1	SE	1	o	36	92	5	800	St	10	-	10	•
Leuchars	1028·4	-2	-	0	o	38	85	6	800	St	10	-	10	1
Eskdalemuir	1028·3	-2	SW'S	2	b-	41	75	6	-	-	0	Ci	2	2
Tynemouth	1029·5	-1	S	2	o	39	85	6	1500	St	10	-	10	•
Blacksod Point	1024·0	0	E	1	bc	47	65	6	•	StCu	7	-	7	•
Donaghadee	1027·2	-1	SSE	3	c+	42	85	6	4000	StCu	5	aSt	8	•
Birr Castle	1024·5	•	SE	2	co	45	75	7	800	St	9 (10)	-	9 (10)	•
Holyhead	1027·3	-1	SW'W	2	c	44	75	6	1500	St	9	-	9	5
Liverpool (Bidston)	1028·4	0	SE'S	3	mmc	39	85	4	2500	St	7	aSt	9	•
Chester (Sealand)	1028·3	-2	SSE	4	o	39	85	5	1500	St	10	-	10	1
Harrogate	1030·0	-1	S	2	c	37	85	5	2500	St	8	aSt	10	•
Spurn Head	1030·2	0	S'W	3	c	39	75	7	4000	StCu	10	-	10	•
Birmingham (Edgbaston)	1029·4	-1	ESE	3	c	37	92	6	1500	StCu	9	-	9	1
Cranwell	1030·7	-2	ESE	3	c	40	75	7	2500	StCu	10	-	10	1
Gorleston	1031·2	-1	E'S	2	c	39	85	7	-	-	0	aSt	10	•
Valentia (Cahirciveen)	1022·5	-2	ESE	4	c	50	65	7	1500	StCu	8	-	8	0
Roches Point	1025·4	-2	SE	3	c	45	85	7	1500	StCu	10	-	10	•
Pembroke (St. Ann's H.)	1026·2	0	SE'E	4	c-	41	92	6	1500	StCu	9	-	9	•
Ross-on-Wye	1028·0	-2	E'N	3	c	41	75	6	2500	StCu	10	-	10	1
Leafield	1028·8	-1	E	3	o	38	75	6	2500	St	10	-	10	0
Winchester (Worthy Dn.)	1028·3	-2	E	2	c	41	75	7	1500	StCu	9	-	9	0
S. Farnborough	1028·7	-2	E'N	3	c-	41	75	6	2500	StCu	9	-	9	0
London (Kew Obsy.)	1029·0	-2	E	3	o	40	65	5	1500	St	10	-	10	1
Croydon	1029·2	-2	E	3	c-	41	75	6	2500	StCu	9	-	9	1
Shoeburyness	1029·8	0	E	3	o	40	85	7	1500	St	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1030·5	-1	NE'E	2	c	39	75	7	800	StCu	10	-	10	1
Lympne	1028·7	-2	NE'E	4	c	40	75	6	1500	St	9	-	9	0
Scilly (St. Mary's)	1023·8	0	SE	6	c	45	85	5	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1025·5	-1	ESE	4	c	43	75	6	4000	StCu	10	-	10	•
Plymouth (Cattewater)	1025·9	-1	E	5	c	41	85	6	1500	St	9	-	9	0
Portland Bill	1026·2	-1	E'N	5	o	40	85	6	1500	St	10	-	10	•
Southampton (Calshot)	1028·2	-3	ENE	4	o	40	75	6	1500	St	10	-	10	0
Dungeness	1028·6	-3	E	3	o	41	75	7	1500	St	10	-	10	•
Guernsey (Fort George)	1025·9	-1	E	3	c-	41	85	6	1500	St	8	-	8	•

Observations at 18h. G.M.T. 16h

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1026·1	-1	S'E	1	c	43	85	7	1500	StCu	5	aSt	10	•
Stornoway	1024·8	0	-	0	c+	43	92	5	-	-	0	aSt	10	0
Wick	1025·5	-2	S	1	bc	40	97	6	1500	St	2	Ci	5	0
Tiree	1025·1	-1	S'E	4	o	40	85	7	1500	St	10	-	10	1
Nairn	1024·0	•	E	1	bc+	38	85	7	2500	StCu	6	-	6	•
Aberdeen	1026·3	-2	S	3	c	36	92	6	800	St	9	-	9	0
Malin Head	1024·2	-2	S	2	c	45	85	6	5700	StCu	6	CiCu	9	0
Renfrew	1026·5	-2	ENE	2	mmc	38	92	4	800	St	7	CiSt	10	•
Edinburgh (Inchkeith)	1027·2	-1	SE	1	mo+	35	92	4	450	St	10	-	10	0
Leuchars	1026·7	-1	E	1	o	38	92	5	800	St	10	-	10	•
Eskdalemuir	1026·9	-1	-	0	c+	38	85	5	-	-	0	CiSt	9	•
Tynemouth	1027·6	-2	SE	2	c	38	85	6	1500	St	8	-	8	1
Blacksod Point	1022·4	-2	E	2	c	47	75	6	•	-	0	aSt	8	2
Donaghadee	1025·8	-1	SSE	3	bc-	41	85	6	4000	StCu	4	a-St	7	2
Birr Castle	1023·5	•	SE	3	co	43	85	7	800	St	9	-	9	•
Holyhead	1025·9	-2	NW'N	1	o	41	85	6	1500	St	10	-	10	0
Liverpool (Bidston)	1026·5	-1	SSE	3	c	38	75	5	2500	CuNb	5	aSt	9	•
Chester (Sealand)	1026·8	-2	SSE	3	c	39	75	5	1500	St	7	Ci	9	•
Harrogate	1028·5	-1	S	2	c	37	75	5	2500	St	9	aSt	10	•
Spurn Head	1028·8	0	S'W	3	c	36	85	7	4000	StCu	10	-	10	1
Birmingham (Edgbaston)	1027·6	-1	ESE	2	c	38	85	5	2500	StCu	9	-	9	•
Cranwell	1029·4	-1	SE'S	3	c+	37	75	7	2500	StCu	10	-	10	•
Gorleston	1029·2	-2	ENE	3	bc-	38	85	7	-	-	0	aSt	6	0
Valentia (Cahirciveen)	1021·5	-1	ESE	3	c	48	75	7	2500	StCu	7	Ci	8	3
Roches Point	1024·4	-2	SE	4	c	45	85	7	1500	StCu	10	-	10	4
Pembroke (St. Ann's H.)	1024·7	-2	SE'E	4	c-	40	92	6	2500	(StCu	2	aCu	8)	2
Ross-on-Wye	1026·8	-2	E	2	bc-	39	75	5	-	-	0	Ci	3	•
Leafield	1027·2	-2	ENE	1	b	37	75	7	-	-	0	CiSt	1	•
Winchester (Worthy Dn.)	1026·8	+1	NE	2	b	42	75	6	-	-	0	Ci	1	•
S. Farnborough	1027·3	0	ENE	3	b	37	75	5	-	-	0	Ci	1	•
London (Kew Obsy.)	1027·8	-1	ESE	2	c	38	75	5	1500	St	9	-	9	•
Croydon	1027·9	-1	ENE	3	c+	37	85	6	2500	St	9	-	9	•
Shoeburyness	1028·2	-2	NE	2	b-	33	97	6	-	-	0	-	0	•
Clacton-on-Sea	1028·4	-1	NE	4	bc	38	85	6	-	•	0	CiSt	5	2
Felixstowe	1028·5	-2	NE	3	mb	36	85	4	-	-	0	-	0	1
Lympne	1027·4	-1	NNE	4	b-	36	85	5	-	-	0	-	0	•
Scilly (St. Mary's)	1022·7	-2	ESE	5	c	43	92	6	4000	Cu	8	-	8	6
Falmouth (Pendennis)	1024·7	-1	E'S	5	bc-	41	85	6	4000	StCu	7	-	7	2
Plymouth (Cattewater)	1024·9	-1	E	5	b	39	85	6	1500	St	1	Ci	1	1
Portland Bill	1025·1	-1	E'N	5	c	40	75	6	1500	St	2	CiSt	10	6
Southampton (Calshot)	1026·8	0	ESE	4	b	39	85	6	-	-	0	-	0	3
Dungeness	1027·1	-3	E	3	bc-	39	85	7	-	-	0	CiSt	5	2
Guernsey (Fort George)	1024·6	-1	E	3	b-	(43)	85	6	-	-	0	-	0	1

London Observations.

Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.

Station	Height above M.S.L. in feet.	Weather Morning (24 hours ended 9h.)	Weather Afternoon	Weather Night	Temperature Max. Day. °F.	Min. Night °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall Night.†	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	om₀	bz₀	bm	42	30	20	-	Tr	1·8	•	•	•
Croydon	264	ocm₀	bccz₀	bzx	43	29	19	-	-	3·4	•	•	•
Greenwich (Royal Obsy.)	149	c	c	cbx	43	29	15	-	Tr	0·4	70	98	1
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0·6	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	42	33	32	-	-	0·5	100	58	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	0·5	•	•	•
Camden Square	110	oc	c	•	42	31	•	-	-	•	•	37	•
Kensington Palace	80	oc	c	•	42	32	25	-	-	•	(At 18h) 90	100	•
Hampstead Observatory	450	•	•	•	37	27	22	-	0·5	1·6	•	97	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 17th

South Kensington Max.	Time.	Min.	Time.
1·0	21h 16th	0·3	5h 17th

Kew Observatory Max.	Time.	Min.	Time.
0·7	16th 22h	<0·1	16th 7h

Pole Star Record at Greenwich Obsy.

Exposure from 16th 19 h. 15 m. to 17th 5 h. 0 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	9·45	4·15	44
δ Ursae Minoris	9·45	4·15	44

Code for State of Ground.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

Table showing the Greenwich Times of Sunrise, Noon, and Sunset.

17th-18th March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.6	12.2	17.58
	6.4	12.1	18.0
Greenwich	6.13	12.9	18.6
	6.10	12.8	18.7
Wick	6.27	12.21	18.17
	6.24	12.21	18.19
Valentia	6.54	12.49	18.46
	6.51	12.49	18.48

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♆ = lunar halo.
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; − = has decreased; + = has increased.

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

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

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

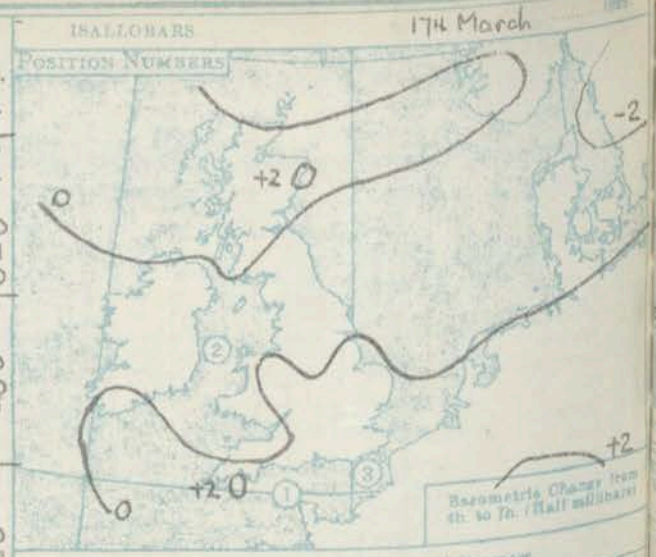
§ Telegraphic Code for Surface Visibility.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 miles.	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 16th	18h.-18h. 16th	18h. 16th to 1h. 17th	1h.-7h. 17th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on Grass	RAINFALL.† Day. 7h.-18h. mm	began.	Night. 18h.-7h. mm.	began.	SUN 16th Hours.
Lerwick	c	c	c	c	43	40	•	–	–	–	–	0.0
Stornoway	bcz	bcoz	c	oz	52	39	•	–	–	–	–	7.2
Wick	oFF	oFbc	c	comm	41	35	•	–	–	–	–	•
Tiree	bcomo	oco	co	oc	44	39	36	–	–	–	–	0.0
Nairn	bebbc	bc	bcm	bcm	43	30	•	–	–	–	–	9.1
Aberdeen	oczo	c	cmom	mFF	39	30	30	–	–	–	–	0.0
Malin Head	czozo	czzo	cbczzo	czzo	48	37	•	–	–	–	–	1.5
Renfrew	omczo	czom	cmofx	off	42	32	27	–	–	–	–	0.1
Edinburgh (Inchkeith)	omomo	omm	omm	omm	37	33	31	–	–	–	–	0.0
Leuchars	o	o	omo	om	39	35	31	–	–	–	–	0.0
Eskdalemuir	ofbcmo	bczo	beccmo	omx	45	26	24	–	–	–	–	6.9
Tynemouth	o	oc	cbcb	bo	40	32	28	–	–	–	–	•
Blacksod Point	bc	c	o	cbc	49	41	•	–	–	–	•	•
Donaghadee	cbcmo	cbcmo	cmomo	cmomo	44	38	•	–	–	–	–	•
Birr Castle	cmo	c	c	cmo	46	38	31	–	–	–	–	0.0
Holyhead	bffcmmo	como	obmow	FFbmx	45	31	27	–	–	0.1	–	0.7
Liverpool (Bidston)	ccmo	ccmo	cbb	xbcmo	41	29	26	–	–	–	–	0.2
Chester (Sealand)	omo	oczo	cbm	bmcfx	41	28	24	–	–	–	–	0.0
Harrogate	c	c	co	coff	37	31	24	–	–	–	–	0.0
Spurn Head	c	c	c	c	40	35	•	–	–	–	–	0.0
Birmingham (Edgbaston)	c	c	cbx	bo	39	29	22	–	–	–	–	0.0
Cranwell	c	c	cbcc	co	41	30	25	–	–	–	–	0.0
Gorleston	c	cbc	bcbwx	bcxm	39	27	22	–	–	Tr	–	0.0
Valentia (Cahirciveen)	bcc	cbcc	cbcc	cbcb	52	44	41	–	–	–	–	2.0
Roches Point	c	c	c	c	46	43	•	–	–	–	–	•
Pembroke (St. Ann's H.)	c	c	bbcmo	cm	42	35	•	–	–	–	–	1.0
Ross-on-Wye	oc	cbzbcz	bmxfx	FFx	44	23	18	–	–	–	–	2.2
Leafield	o	cbc	b	bfx	42	22	18	–	–	–	–	2.6
Winchester (Worthy Dn.)	c	cb	bmo	boFFx	47	28	21	–	–	Tr	–	4.1
S. Farnborough	como	cbmo	bmm	bmoxF	46	23	18	–	–	Tr	–	3.5
London (Kew Obsy.)	omo	bzo	bm	bmxoFw	42	30	20	–	–	Tr	–	1.8
Croydon	ocmo	bczo	bzxff	ofx Fe	43	29	19	–	–	–	–	3.4
Shoeburyness	o	ocb	b	oFx	40	27	23	–	–	–	–	0.0
Clacton-on-Sea	ogo	ocbc	bcb	bbmx	39	26	26	–	–	–	–	0.2
Felixstowe	c	cmobcbz	bz	bef	40	26	20	–	–	–	–	0.5
Lympne	ocmo	cbzo	bmxf	bfxmo	40	29	19	–	–	–	–	2.1
Scilly (St. Mary's)	cmo	cmo	cbcc	cbcm	45	42	•	–	–	–	–	0.0
Falmouth (Pendennis)	cmo	cqmo	bccqmo	como	44	41	•	–	–	–	–	0.0
Plymouth (Cattewater)	bccqmo	cqbmo	bmoq	bmoqw	44	37	33	–	–	Tr	–	5.6
Portland Bill	ozo	oczo	cbmo	bcomo	43	35	•	–	–	–	–	•
Southampton (Calshot)	oomo	omobmo	bmow	bmox	41	30	24	–	–	–	–	3.0
Dungeness	o	ocbc	bcmm	bcffoFF	42	34	•	–	–	–	–	•
Guernsey	omomo	bcbzo	bzmwx	bxwmo	43	40	•	–	–	0.1	–	6.5



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Pressure.
2	16th 10h	"Hibernia"	S	3	c	43	44	7
1	16th 10h	"St Julien"	E	6	?	42	46	6

GENERAL INFERENCE.

The extensive continental anticyclone maintains its influence over the British Isles. Weather will be mainly fine and warmer, apart from some local persistent fog.

Forecasts for the 24 hours commencing 12 Noon G.M.T. Sunday, 17th March, 1929.

Districts.	Forecast
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Wind variable to easterly, light; fine apart from rather widespread fog night and morning, persisting locally by day; warmer by day, ground frost inland at night.
6. South Wales 7. North Wales	Wind between E and S.E., moderate or fresh; fine; milder
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	As 1 - 4.
13. A. W. Scotland B. NW. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	Wind southerly light; mainly fine; local morning fog; milder by day, ground frost locally at night.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind between S.E. and S., moderate, freshening; mainly fine; milder by day; ground frost locally at night.

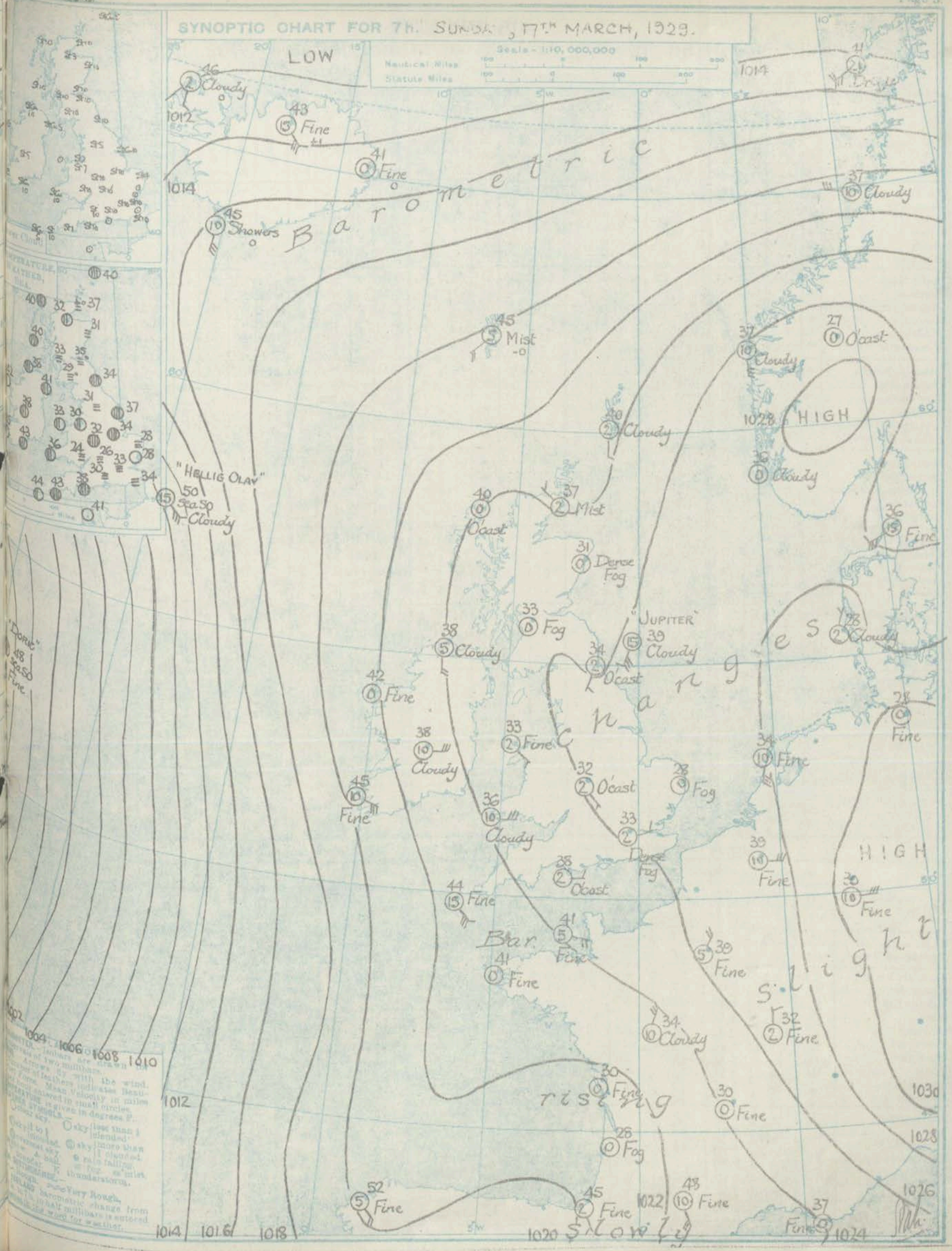
Farther Outlook.

Fine over Great Britain with warmer days; probably less settled in Ireland.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1130 G.M.T.

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

* For code see, page 1 † Trace = rain has fallen, but amount less than 0.1 mm.


SYNOPTIC CHART FOR 7h. SUNDAY, 17th MARCH, 1929.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
HIGH
HIGH
Barometric Gradients
Barometric Gradients
Barometric Gradients
"HELLIG OLAV"
"DORIC"
"JUPITER"
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030
1002
1004
1006
1008
1010

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Sunday, 17th March 1929. No. 76

Stations.	Height above M.S.L. in feet.	Observations at 1h. G.M.T. 17th. Barom. at M.S.L. mb.	Change in 3 Hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. § 0-9	Cloud. Low. Height. Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Observations at 7h. G.M.T. 17th. Barom. at M.S.L. mb.	Change in 3 Hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. § 0-9	Cloud. Low. Height. Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	54	1025.0	-2	-	0	c	41	85	7	1500	Stcu	5	ASr	10	1023.9	-1	S'E	1	c	40	85	8	1500	Stcu	5	ASr	10	*
Stornoway	30	1025.4	-2	-	0	c	*	*	6	*	*	*	*	10	1024.0	0	-	0	o	40	92	6	4000	Sr	10	-	10	0
Wick	81	1023.8	-1	SE	1	c	37	97	7	1500	Sr	5	ASr	10	1024.0	0	NW	1	mo+	37	97	4	800	Sr	10	-	10	0
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.4	0	S	3	o	40	85	7	800	Sr	10	-	10	1
Nairn	62	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.6	*	E	1	bc+	32	85	6	1500	Sr	3	ACu	7	*
Aberdeen	87	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.0	+1	-	0	FFo	31	97	1	<150	Sr	10	-	10	0
Malin Head	81	1024.6	-1	SSE	2	c	40	92	6	1500	Sr	3	ASr	10	1024.0	0	S	2	c	38	85	6	5700	Stcu	10	-	10	0
Renfrew	58	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.4	-1	-	0	ffo	33	97	2	1500	Sr	10	-	10	*
Edinburgh (Inchkeith)	190	1024.0	0	W	2	mmo	34	97	4	450	Sr	10	-	10	1025.0	0	WSW	3	mmo	35	92	4	450	Sr	10	-	10	1
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.0	-1	WSW	2	mmo	35	97	4	800	Sr	10	-	10	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.3	0	-	0	mmo	29	92	4	220	Sr	10	-	10	1
Tynemouth	67	1026.7	-1	S	2	b	34	92	6	-	-	0	-	0	1025.9	-1	SSW	1	o	34	92	5	800	Sr	10	-	10	
Blacksod Point	18	1022.1	0	E	2	c	45	75	6	*	-	0	ASr	10	1021.4	-1	-	0	bc	42	85	6	*	-	0	ACu	*	1
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.8	+1	S	2	c-	41	85	6	4000	Stcu	5	ASr	9	2
Birr Castle	178	*	*	*	*	*	*	*	*	*	*	*	*	*	1022.0	*	E	3	c	38	92	6	~~800~~	Sr	5	ACu	9	*
Holyhead	23	1025.7	0	-	0	b	36	97	5	-	-	0	-	0	1025.0	0	~~NE~~ SE'E	1	bc	33	97	5	-	-	0	Ci	5	0
Liverpool (Bidston)	169	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.9	0	SE	4	bc-	30	85	5	1500	Sr	2	CiCu	3	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.0	0	SE'S	3	ffc	28	92	2	220	Sr	7	Ci	8	
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	1027.0	0	S	1	ffc	31	92	3	<150	Sr	5	ASr	10	*
Spurn Head	29	1027.7	0	S	2	c	37	92	~~6~~ 7	4000	Stcu	10	-	10	1026.8	0	-	0	c	37	97	6	4000	Stcu	10	-	10	1
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1027.2	0	SSE	1	o	32	97	6	1500	Sr	10	-	10	*
Cranwell	236	1028.6	-2	SE	1	C+	32	92	6	2500	Sr	10	-	10	1027.~~8~~7	0	-	0	o	34	92	6	1500	Sr	10	-	10	0
Gorleston	14	1027.9	+1	-	0	b	35	92	7	-	-	0	-	0	1027.0	0	-	0	fbc	28	92	3	450	Sr	4	-	4	3
Valentia (Cahirciveen) ¶	30	1020.3	0	SE	3	bc	46	97	9	-	-	0	ACu	6	1020.2	+1	ESE	3	b	45	75	8	-	-	0	CiCu	2	1
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.0	0	SE	3	c	43	85	7	1500	Stcu	10	-	10	1
Pembroke (St. Ann's H.)	150	1024.5	-1	SE	3	C+	40	97	6	1500	Stcu	8	-	8	1024.2	-1	E	3	c	36	97	5	800	Stcu	10	-	10	*
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.7	-1	-	0	FFo	24	97	1	<150	Sr	10	-	10	
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.7	-1	N'E	1	FFo	26	92	1	<150	Sr	10	-	10	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.1	0	NNE	2	FFo	28	97	1	<150	Sr	10	-	10	*
S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.6	0	ENE	1	FFo	30	97	1	<150	Sr	10	-	10	*
London (Kew Obsy.)	18	*	*	*	*	*	34	*	*	*	*	*	*	*	1026.6	0	E'N	1	FFo	33	97	1	<150	Sr	10	-	10	
Croydon	344	1027.0	-2	ENE	2	fo+	31	97	2	<150	Sr	10	-	10	1026.9	0	E'N	1	FFo	29	97	1	<150	Sr	10	-	10	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.9	0	-	0	FFo	30	97	1	<150	Sr	10	-	10	1
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.9	0	NE	3	b	28	85	5	-	-	0	-	0	0
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1027.1	0	-	0	ffb	27	97	2	-	-	0	-	0	*
Lympne	350	1026.3	-1	ENE	3	FFb	31	97	1	-	-	0	-	0	1026.6	0	E	3	b	34	85	6	-	-	0	-		
Scilly (St. Mary's)	163	1023.3	0	SE	4	c	43	92	6	4000	Stcu	8	-	8	1022.1	0	SE	4	bc	44	92	5	4000	Stcu	5	-	5	4
Falmouth (Pendennis)	300	1023.9	-1	ESE	4	c	43	85	6	4000	Stcu	10	-	10	1023.4	+1	SE	3	o	43	~~85~~ 92	6	800	Sr	10	-	10	2
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.2	+2	E	5	b	37	97	5	800	Sr	1	-	1	0
Portland Bill	52	1024.8	0	ENE	4	b	39	85	5	-	-	0	-	0	1024.8	+1	E	1	o	38	92	5	1500	Sr	10	-	10	2
Southampton (Calshot)	10	1026.4	-1	NNE	2	b	32	85	6	-	-	0	-	0	1026.0	0	N	2	b	30	92	4	-	-	0	-	0	0
Dungeness	20	1026.0	-1	NE	1	FFbc	34	92	1	<150	Sr	10	-	10	1026.1	0	E	1	FFo	34	97	0	<150	Sr	10	-	10	0
Guernsey (Fort George) ¶	205	1024.0	-2	ESE	3	b	41	87	5	-	-	0	-	0	1024.4	0	ESE	2	b	41	97	5	-	-	0	-		

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.-15h. to 9h. 16th. °F.	Temperature. Max. 9h.-17h. 16th. °F.	Rainfall.† Night 17h.-9h. 15th.-16th. mm.	Rainfall.† Day 9h.-17h. 16th. mm.	Sunshine. Sunrise to 17h. 16th. hr.	Sunshine. Sunrise to Sunset. 15th. hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	oc	c	34	43	-	Trace	3.9	0.0
Douglas (I. o. M.)	o2	o2	34	41	-	-	0.0	6.0
Llandudno	b	bcc	34	47	-	-	7.2	10.1
Colwyn Bay	b	b	30	48	-	-	8.4	10.6
Rhyl	b	bc	37	43	-	-	7.8	9.9
Wallasey	o	ocbc	34	41	-	-	0.0	5.1
Southport	o	oco	*33	43	-	-	0.9	6.5
Blackpool	ocb	bc	33	42	-	-	2.1	7.0
Ilkley	o	o	32	40	-	-	0.0	2.1
Cleethorpes	o	o	36	40	-	-	0.0	0.0
Skegness	o	o	36	40	-	-	0.0	0.0
Aberystwyth	2bc	bc	33	48	-	-	9.2	10.5
Bath	c	cbcb	34	46	-	-	4.0	3.0
Cheltenham	o	obcb	34	43	-	-	1.0	2.6
Leamington Spa	c	cb	32	42	-	-	0.0	0.0
Lowestoft	c	cbc	35	39	-	-	0.6	0.0
Harwich & Dovercourt	oc	bm	32	40	-	-	0.2	0.0
Maldon	o	oc	35	40	-	-	0.0	0.0
Southend	o	oc	35	39	-	-	0.0	0.0

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	wcb	bcb	31	50	-	-	9.6	7.0
Penzance	c	c	41	45	-	-	0.0	0.0
Paignton	om	om	35	41	-	-	0.0	1.5
Torquay	om	om	39	42	-	-	0.0	1.8
Jersey	cbz	bz	35	47	-	-	8.0	5.4
Weymouth	oc	cb	36	42	-	-	2.0	4.6
Bournemouth	o	ob	35	44	-	-	3.0	6.2
Ventnor	oz	bz	34	41	-	-	2.7	4.3
Portsmouth (S'thsea)	o	bc	36	43	-	-	3.0	6.2
Bognor	c	cb	36	42	-	-	4.4	7.1
Littlehampton	cbc	b	37	43	-	-	4.6	7.6
Worthing	c	bbc	37	45	-	-	4.8	7.3
Brighton	cbc	bc	37	48	-	-	5.1	7.7
Eastbourne‡	o	obcb	37	42	-	-	3.4	0.5
Hastings‡	ocbc	bccbc	36	41	-	-	2.6	0.0
Folkestone	omcc	bcb	34	41	-	-	1.1	0.0
Dover	o	ob	35	41	-	-	1.8	0.0
Tunbridge Wells	o	abc	34	44	-	-	3.2	0.0
Ramsgate	oc	cbc	35	39	-	-	1.7	0.0
Margate	c	cbc	35	39	-	-	1.7	0.0
Deal	o	obc	35	41	-	-	1.8	0.0

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

* Information not usually received. ¶ The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. § For code see page 1. †‡ See footnote page 1.

‡ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ‡ 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 24588 Monday, 18th March, 1929. Page 1.

Observations at 13h. G.M.T. 17th

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.
Lerwick	1023.4	-1	SE	1	c	41	85	8	1500	Stcu	5	ASt	10	•
Stornoway	1024.2	0	SW	1	o	43	75	6	4000	St	10	-	10	•
Wick	1024.0	0	SSW	1	o	44	92	6	800	St	10	-	10	•
Tiree	1024.2	+1	S	2	o	43	85	7	1500	St	10	-	10	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1025.3	0	-	0	o	39	97	5	800	St	10	-	10	0
Malin Head	1024.0	-1	E	3	c-	42	86	6	-	-	0	Acu	8	•
Renfrew	1026.0	-2	WSW	2	bc/f	46	65	6	-	-	0	Cicu	3	1
Edinburgh (Inchkeith)	1024.9	0	WSW	2	mmo	42	85	4	450	St	10	-	10	•
Leuchars	1024.7	-1	ESE	2	mmc	43	85	4	-	-	0	Acu	9	1
Eskdalemuir	1024.4	-2	S	3	b-	45	55	5	-	-	0	Ci	2	2
Tynemouth	1024.5	-1	S	1	ffbc	43	75	3	800	St	7	-	7	•
Blacksod Point	1020.7	0	-	0	bc	52	65	7	•	-	0	Ci	4	•
Donaghadee 4	1023.3	-1	S	2	c	43	86	6	4000	Stcu	7	ASt	9	•
Birr Castle	1024.[illegible]	•	SW	2	bc-	49	55	7	2500	Cu	3	Ci	5	•
Holyhead	1024.6	-1	NNW	1	b	46	75	6	-	-	0	Ci	1	6
Liverpool (Bidston)	1026.1	-1	SEE	3	b	39	85	5	-	-	0	Ci	1	•
Chester (Sealand)	1025.3	-1	SSE	5	fbc	[illegible]	85	4	450	St	5	-	5	1
Harrogate	1026.3	-2	SSE	2	b	45	65	5	2500	St	2	-	2	•
Spurn Head	1026.4	0	SES	2	bc	40	92	6	-	-	0	ASt	6	•
Birmingham (Edgbaston)	1026.0	-1	SSE	2	b	46	75	6	-	-	0	-	0	1
Cranwell	1027.0	-1	SSE	2	b-	47	65	6	-	-	0	-	0	1
Gorleston	1026.7	0	NEN	2	b	43	85	5	-	-	0	-	0	•
Valentia (Cahirciveen)	1019.9	-1	SES	3	bc+	59	45	8	-	-	0	Cicu	7	0
Roches Point	1023.9	-1	SE	3	c	45	85	7	2500	Stcu	10	-	10	•
Pembroke (St. A. H.)	1023.9	0	SE	3	b-	46	86	5	-	-	0	-	0	•
Ross-on-Wye	1026.9	0	EN	3	fo-	34	76	3	220	St	10	-	10	1
Leafield	1026.2	+1	N	1	fb-	36	97	4	-	-	0	-	0	2
Winchester (Worthy Dn.)	1026.2	-2	NE	2	b	49	65	5	-	-	0	-	0	0
S. Farnborough	1026.4	-3	E	1	fb-	47	75	4	-	-	0	-	0	0
London (Kew Obsy.)	1025.9	-2	NNW	1	ffb	38	85	2	-	-	0	-	0	1
Croydon	1025.8	-3	-	0	fb	50	65	3	-	-	0	-	0	1
Shoeburyness	1026.2	0	ESE	2	b	47	75	6	-	-	0	-	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1026.7	-1	-	0	b	44	65	6	-	-	0	-	0	1
Lympne	1026.5	-2	ESE	2	b	52	65	5	-	-	0	-	0	0
Scilly (St. Mary's)	1022.6	+1	SEE	4	bc	51	85	5	-	-	0	Cist	6	•
Falmouth (Pendennis)	1024.2	0	ESE	2	c	44	85	6	4000	Stcu	10	-	10	•
Plymouth (Cattewater)	1024.1	-1	SE	4	b	47	65	6	-	-	0	-	0	0
Portland Bill	1024.4	-1	NE	1	fo-	41	85	4	800	St	10	-	10	•
Southampton (Calshot)	1025.2	-2	SEE	3	b	47	76	6	-	-	0	-	0	0
Dungeness	1025.6	0	E	2	fbc-	47	65	3	220	St	7	-	7	•
Guernsey (Fort George)	1024.2	-1	ENE	1	fb	43	97	2	-	-	0	-	0	•

Observations at 18h. G.M.T. 17th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1024.0	0	SSE	1	c	41	85	8	1500	Stcu	5	ASt	10	•
Stornoway	1024.3	0	-	0	o	43	75	5	4000	St	10	-	10	0
Wick	1024.2	0	NW	1	c	43	92	6	1500	St	6	Acu	10	0
Tiree	1023.8	0	SES	2	c	42	85	7	1500	St	9	-	9	1
Nairn	1024.3	•	E	1	bc	39	85	7	1500	St	6	-	6	•
Aberdeen	1025.4	0	-	0	o	38	97	5	800	St	10	-	10	0
Malin Head	1022.9	-1	ENE	2	b	45	92	5	5700	Stcu	1	-	1	0
Renfrew	1024.7	0	WNW	1	b-	43	85	5	7200	Cu	2	-	2	•
Edinburgh (Inchkeith)	1024.2	-1	WSW	1	mmc	43	75	4	450	St	6	Acu	9	0
Leuchars	1026.0	+1	ENE	2	mmo	37	97	4	-	-	0	Acu	3	•
Eskdalemuir	1025.0	+1	-	0	b	41	75	6	-	-	0	Ci	1	•
Tynemouth	1024.4	0	SSE	2	bc/f	39	92	6	800	St	6	-	6	1
Blacksod Point	1020.5	0	W	1	b	52	75	7	•	-	0	Acu	2	1
Donaghadee	1024.1	0	S	2	bc-	43	85	6	-	-	0	CiSt	3	2
Birr Castle	1022.0	•	SW	2	bc	53	75	8	2500	Cu	5	-	5	•
Holyhead	1024.1	0	EN	1	b	44	85	5	-	-	0	Ci	1	1
Liverpool (Bidston)	1024.1	-1	ESE	2	fbc+	46	65	3	-	-	0	CiSt	5	•
Chester (Sealand)	1024.0	-1	SES	2	mb	46	76	4	-	-	0	-	0	•
Harrogate	1025.3	0	-	0	fbc	40	75	3	<150	St	5	-	5	•
Spurn Head	1025.4	0	SE	3	Fo+	33	97	1	<150	St	10	-	10	1
Birmingham (Edgbaston)	1025.0	-1	SSW	1	b	48	65	5	-	-	0	-	0	•
Cranwell	1026.1	0	SEE	2	b	42	85	6	-	-	0	-	0	•
Gorleston	1026.4	0	-	0	b	39	85	6	-	-	0	-	0	0
Valentia (Cahirciveen)	1019.9	0	ES	3	bc+	52	55	8	-	-	0	Acu	7	3
Roches Point	1023.5	0	SE	3	c	45	92	7	2500	Stcu	10	-	10	4
Pembroke (St. A. H.)	1023.7	-1	-	0	ffb	43	97	3	-	-	0	-	0	1
Ross-on-Wye	1024.6	-1	E	2	mb+	42	75	4	-	-	0	-	0	•
Leafield	1024.9	0	ES	2	b	44	75	6	-	-	0	-	0	•
Winchester (Worthy Dn.)	1024.3	+1	NNW	2	b	46	75	5	-	-	0	-	0	•
S. Farnborough	1024.6	0	-	0	fb+	49	75	3	-	-	0	-	0	•
London (Kew Obsy.)	1024.8	-1	-	0	ffb	40	92	2	-	-	0	-	0	•
Croydon	1024.9	0	ENE	2	Fb+	42	85	1	-	-	0	-	0	•
Shoeburyness	1025.9	0	NE	2	b	39	97	7	-	-	0	-	0	•
Clacton-on-Sea	1026.0	0	NE	3	b	41	85	6	-	-	0	-	0	1
Felixstowe	1026.5	+1	EN	2	b	39	85	5	-	-	0	-	0	0
Lympne	1024.9	0	NE	3	b	45	65	5	-	-	0	-	0	•
Scilly (St. Mary's)	1022.1	0	SE	4	b	47	92	5	-	-	0	-	0	3
Falmouth (Pendennis)	1023.4	-1	ESE	2	o	42	92	6	1500	St	10	-	10	1
Plymouth (Cattewater)	1023.7	0	S	1	b	43	92	5	-	-	0	-	0	0
Portland Bill	1023.5	-1	NE	1	b	45	75	6	1500	St	2	-	2	0
Southampton (Calshot)	1024.6	0	SEE	3	b	42	55	6	-	-	0	-	0	0
Dungeness	1024.4	-1	ENE	2	b-	42	76	6	-	-	0	-	0	1
Guernsey (Fort George)	1023.4	-1	NE	2	b/f	44	92	6	4000	Stcu	1	Acu	2	0

LONDON OBSERVATIONS. Day 7h–18h, Kew & Croydon. 9h–21h, Kensington. 8h–20h, other stations.

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night (24 hours ended 9h.)	Max. Day °F.	Min. Night °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)	Visibility 9h.
Kew	18	ofwbf	bff	bfofx	44	25	20	-	Tr	0.0	*	*	1
Croydon	264	ofefe	bfff	bfffxff	52	27	18	-	-	2.8	*	*	4
Greenwich (Royal Obsy.)	149	Febf	bfmy	bmfx	56	28	16	-	Tr	6.0	53	80	3
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0.8	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	53	34	30	-	-	0.8	83	65	*
Regent's Pk. (Botanic Gdns).	169	*	*	*	*	*	*	*	*	0.8	*	*	*
Camden Square	110	feb	bc	*	49	32	*	-	-	*	*	86	*
Kensington Palace	20	of	of	*	45	31	23	-	-	*	(A; 18h 91)	91	*
Hampstead Observatory	450	*	*	*	53	32	25	-	Tr	5.5	*	76	*

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 7h. G.M.T. 18th

South Kensington			
Max.	Time.	Min.	Time.
4.0	13h 17th	0.4	6h 18th
Kew Observatory			
Max.	Time.	Min.	Time.
1.6	20h 17th	0.2	6h 18th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 17th 19 h. 15 m. to 18th 5 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	9.45	9.45	100
δ Ursae Minoris	9.45	9.45	100

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads) from frozen rain or melted snow).

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET.

Ending 18th March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6. 4	12. 1	18. 0
	6. 1	12. 1	18. 2
Greenwich	6.10	12. 8	18. 7
	6. 8	12. 8	18. 9
Wick	6.24	12.21	18.19
	6.21	12.20	18.21
Valentia	6.51	12.49	18.48
	6.48	12.49	18.50

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy

d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⩀ = lunar halo.
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; - = has decreased; + = has increased.

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.

§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

Code	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

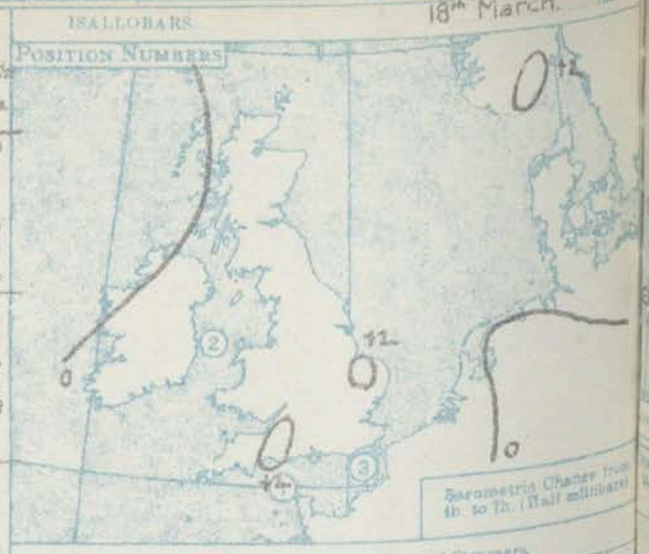
† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-13h. 17th	13h.-18h. 17th	18h. 17th to 1h. 18th	1h.-7h. 18th	Temperature. Max. Day 7h.-18h.	Min. Night 18h.-7h.	Min. on Grass	Rainfall.† Day 7h.-18h. mm	Day 7h.-18h. began.	Night 18h.-7h. mm.	Night 18h.-7h. began.	Sun 17th Hours.
Lerwick	c	c	c	cbcb	42	38	•	2	-	-	-	0·0
Stornoway	oz	oz	c	oz	43	30	•	-	-	-	-	0·0
Wick	om	cm	o	om	45	39	•	-	-	-	-	•
Tiree	o	oc	bcbm	bmbc	44	31	23	-	-	-	-	0·0
Nairn	bcbbc	bc	bcxfe	ffec	46	30	•	-	-	Tr.	22·00	8·0
Aberdeen	ffom	om	om	om	33	33	34	-	-	-	-	0·0
Malin Head	czoz	cbcbzz	bzzo	bczzo	46	39	•	-	-	-	-	4·7
Renfrew	offbzz	bccbz	bzffx	ffe	47	27	20	-	-	-	-	2·2
Edinburgh (Inchkeith)	omm	ocmm	cbcmff	ofemm	45	34	32	-	-	Tr	-	2·6
Leuchars	omcm	cmbcm	bcmom	omom	46	33	31	-	-	-	-	1·9
Eskdalemuir	ocbzo	bbc	bmx	bbc	49	25	21	-	-	-	-	6·8
Tynemouth	obcff	bcff	bmoff	ofafe	43	33	27	-	-	0·2	-	•
Blacksod Point ...	bc	b	bcq	bc	55	41	•	-	•	-	•	•
Donaghadee	cmo	cbcmo	bbcm	cmowx	45	32	•	-	-	Tr	-	•
Birr Castle	cbc	bc	bcm	bccm	55	31	27	-	-	-	-	9·1
Holyhead	bmbz	bzo	bmw	bmxm	47	35	29	-	-	0·2	-	9·9
Liverpool (Bidston) ...	bcbm	bczm	bbzxm	fbcf	47	31	27	-	-	-	-	8·3
Chester (Sealand) ...	cff	bmz	bzmf	fbx	51	25	18	-	-	-	-	4·5
Harrogate	cfcb	bbcf	bcbff	boffx	47	28	22	-	-	-	-	4·1
Spurn Head	cbc	bcfff	offo	ffeo	41	29	•	Tr.	1530	Tr	-	2·3
Birmingham (Edgbaston)	ob	b	bmx	bmofx	51	29	17	-	-	-	-	6·7
Cranwell	cmbc	b	ofe	ofex	51	20	20	-	-	-	-	5·3
Gorleston	ffobm	bmo	bmox	bmx	44	28	22	-	-	-	-	8·1
Valentia (Cahirciveen)	bbcycy	obccy	cybcb	bbcy	60	48	46	-	-	-	-	9·1
Roches Point	c	c	c	coz	47	42	•	-	-	-	-	•
Pembroke (St. Ann's H.)	cbcm	bffb	bffbm	bcff	47	35	•	-	-	-	-	7·3
Ross-on-Wye	feof	ombz	bfx	ffx	46	287	20	-	-	Tr	-	3·6
Leafield	ffo	bcb	b	bimx	49	27	23	01	-	-	-	4·5
Winchester (Worthy Dn.)	offxbz	bzo	bzmm	bmffx	57	28	23	Tr.	-	Tr	-	6·3
S. Farnborough ...	oxfebm	bzyf	bf	bfofex	58	24	20	Tr.	-	Tr	-	4·8
London (Kew Obsy.) ...	ofwbf	bff	bf	bfofx	44	25	20	-	-	Tr	-	0·0
Croydon	ofefe	bffff	bffmx	bmxff	52	27	18	-	-	-	-	2·8
Shoeburyness	bm	bm	bm	bm	50	26	18	-	-	-	-	6·87
Clacton-on-Sea ...	bbcm	bcbm	bmz	bmzm	45	34	31	-	-	-	-	6·9
Felixstowe	bfbz	bzo	bz	bz	47	31	19	-	-	-	-	7·8
Lympne	bzy	bzy	bzo	bzx	54	35	22	-	-	-	-	10·5
Scilly (St. Mary's) ...	bcifm	bcbmm	bmff	off	52	39	•	-	-	-	-	7·9
Falmouth (Pendennis)	omo	com	omf	ofbcm	44	33	•	-	-	-	-	6·4
Plymouth (Castewater)	bmo	bmo	bmw	bmwx	53	30	24	-	-	Tr	-	9·3
Portland Bill	ofomm	ombzo	bzo	bm	45	41	•	-	-	-	-	•
Southampton (Calshot)	bmm	bmo	bmobwf	bwfbzf	47	33	23	-	-	-	-	9·1
Dungeness	ofbcf	bcfmm	bz	bzm	48	(34)	•	-	-	-	-	•
Guernsey	bbcjcfkbfojczo		bmw	bxmw	47	40	•	-	-	0·1	-	8·1

ISALLOBARS. 18th March. 1929.

POSITION NUMBERS



Barometric Change from 6h. to 7h. (Half millibars)

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Pressure
3	18th 2h	Brighton	NE	2	bc	42	42	

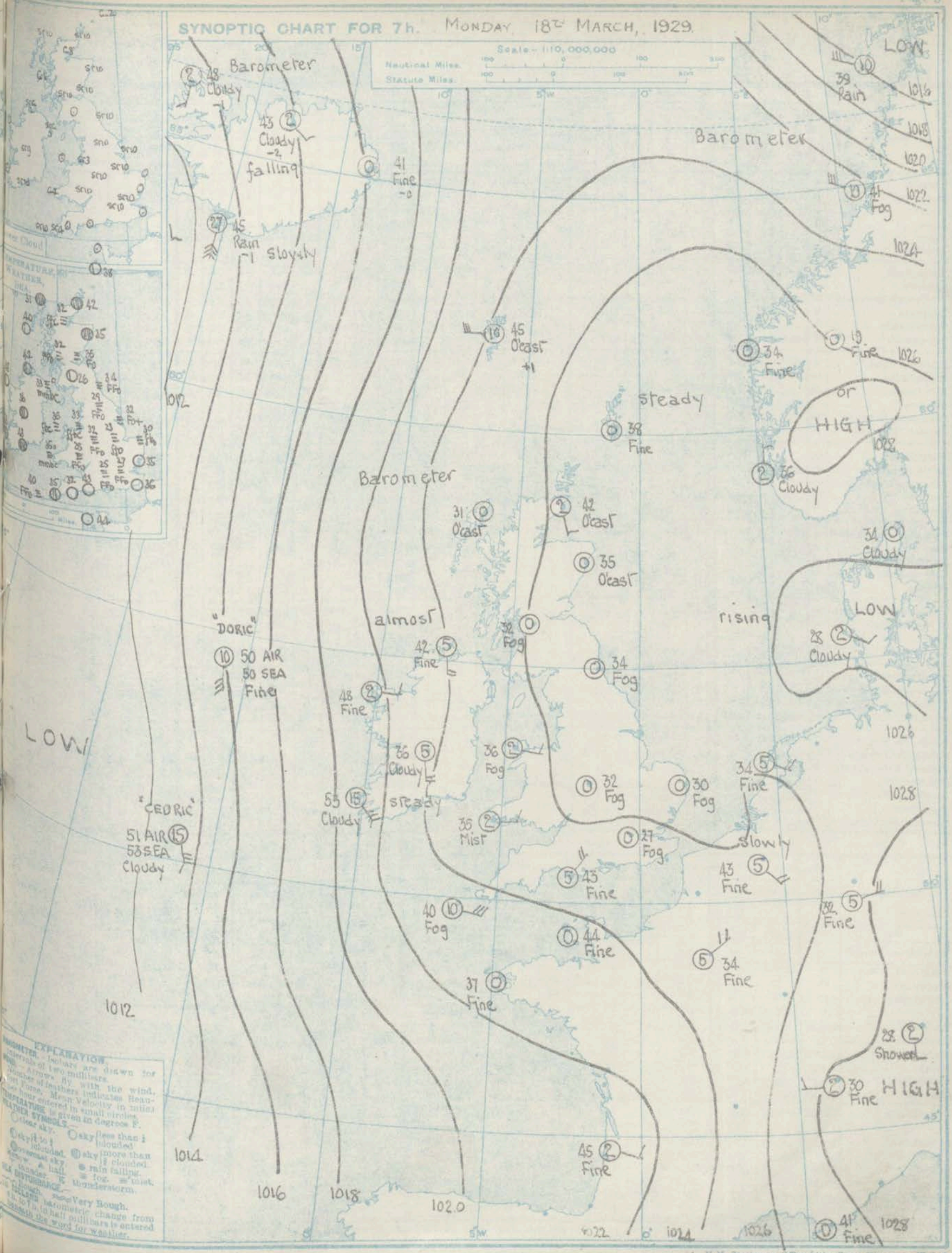
GENERAL INFERENCE.

A large anticyclone centred over Germany still covers the British Isles. Weather will continue fair and quiet with mild days but ground frost and fog in many places at night.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Monday, 18th March, 1929.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light variable winds; fair; mild during day, ground frost at night; fog locally at night and in early morning.	Continuing quiet and fair with mild days but cold nights
5. S.W. England	Moderate southeasterly winds; fair; mild during day, cold at night; fog locally at night and in early morning.	
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13 A. W. Scotland 13 B. N.W. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland	As 1 - 4.	
20. S.W. Ireland	As 5.	

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

‡ For code see page 1. † Trace = rain has fallen, but amount less than 0·1 mm.



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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Monday, 18th March 1929. No. 77.

Observations at 1h. G.M.T. 18th

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10
Lerwick	84	1024·3	0	-	0	c	41	75	8	1500	St.Cu.	5	A.St.	10
Stornoway	30	1022·3	0	-	0	c	*	*	6	*	*	*	*	10
Wick	81	1025·4	+1	WNW	1	o	40	97	6	1500	St.	10	-	10
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	80	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	81	1023·7	0	S	1	bc⊘	42	85	5	-	-	0	Ci.St.	3
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1026·0	+2	N	3	Fo+	35	97	1	<150	St.	10	-	10
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	87	1026·8	+1	-	0	FFo	34	97	1	800	St.	10	-	10
Blacksod Point	18	1021·0	0	SE	3	bc+	47	75	7	*	St.Cu.	7	-	7
Donaghadee	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	178	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1024·9	0	-	0	b	38	85	5	-	-	0	Ci.St.	1
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	39	1026·5	0	-	0	Fo+	31	97	1	<150	St.	10	-	10
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	236	1026·8	0	SSE	1	Fo+	29	97	1	<150	St.	10	-	10
Gorleston	14	1026·8	0	NNW	1	b	33	92	5	-	-	0	-	0
Valentia (Cahirciveen) F	30	1021·0	0	ESE	3	b	49	92	7	-	-	0	-	0
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	166	1023·9	0	E	1	b	39	97	5	-	-	0	-	0
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	34	*	*	*	*	*	*	*
Croydon	244	1025·8	0	-	0	mmb	30	97	4	-	-	0	-	0
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1025·2	0	E'N	3	b	42	75	5	-	-	0	-	0
Scilly (St. Mary's)	163	1022·1	0	SE	4	FFo	41	97	1	800	St.	10	-	10
Falmouth (Pendennis)	200	1022·6	0	-	0	Fo+	40	97	0	<150	St.	10	-	10
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	52	1023·1	-1	ENE	2	b	43	65	8 (6)	4000 (2500)	St.Cu.	1	-	1
Southampton (Calshot)	10	1024·6	0	NNW	2	ffb	35	92	2	-	-	0	-	0
Dungeness	20	1024·9	+1	ENE	X2	ffb	34	92	6	-	-	0	-	0
Guernsey (Fort George) F	285	1023·2	-2	-	0	b-	42	97	5	-	-	0	-	0

Observations at 7h. G.M.T. 18th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1026·4	+1	-	0	b	38	85	8	1500	Cu	2	-	2	*
Stornoway	1024·6	0	-	0	o	31	92	6	4000	St	10	-	10	0
Wick	1026·6	+1	SSE	1	o	42	85	5	1500	St	10	-	10	0
Tiree	1023·6	0	S	3	b	40	92	7	-	-	0	Ci	2	1
Nairn	1025·9	*	-	0	ffc	32	92	3	2500	Cu	8	-	8	*
Aberdeen	1027·2	+1	-	0	o	35	97	6	800	St	10	-	10	0
Malin Head	1023·3	0	S	2	bc+	42	75	6	5700	St.Cu	2	Ci.Cu	6	0
Renfrew	1026·6	+1	-	0	FFo	32	97	1	<150	St	10	-	10	*
Edinburgh (Inchkeith)	1026·3	0	ENE	2	Fo+	36	97	1	<150	St	10	-	10	0
Leuchars	1026·7	+2	N	1	mmo	36	97	4	220	St	10	-	10	*
Eskdalemuir	1027·2	+1	NNW	2	b	26	85	6	-	-	0	Ci	1	*
Tynemouth	1026·5	+1	-	0	FFo	34	97	1	800	St	10	-	10	0
Blacksod Point	1020·9	0	E	1	bc	47	65	7	*	-	0	A.Cu	4	2
Donaghadee	1025·1	+1	S	1	mmbc	33	97	4	4000	St.Cu	3	Ci.St	6	1
Birr Castle	1023·7	*	S	2	C+	36	85	6	800	St	9	-	9	*
Holyhead	1024·8	0	E'S	1	fbc+	36	97	3	-	-	0	Ci.St	5	0
Liverpool (Bidston)	1025·4	0	SSE	3	ffbc	33	97	3	800	St	3	Ci.Cu	7	*
Chester (Sealand)	1025·3	+1	SE	2	fbc-	26	91	3	-	-	0	Ci	5	*
Harrogate	1026·8	+2	-	0	FFo	29	92	1	<150	St	10	-	10	0
Spurn Head	1026·2	0	SE	1	Fo+	32	97	1	<150	St	10	-	10	*
Birmingham (Edgbaston)	1026·6	+1	-	0	FFo	32	97	0	<150	St	10	-	10	*
Cranwell	1027·2	+1	-	0	ffo	23	97	2	<150	St	10	-	10	0
Gorleston	1026·2	0	-	0	fb	30	97	3	-	-	0	-	0	3
Valentia (Cahirciveen)	1020·9	+1	SE	4	bc	53	45	8	-	-	0	A.Cu	6	0
Roches Point	1024·5	+1	SE	2	o	43	97	5	800	St	10	-	10	1
Pembroke (St. Ann's H.)	1024·4	0	E	1	mmbc	35	97	4	2500	Cu	2	Ci.Cu	5	*
Ross-on-Wye	1026·1	0	-	0	FFo	28	97	1	<150	St	10	-	10	*
Leafield	1025·9	0	NE'N	2	b/m	30	92	5	-	-	0	-	0	*
Winchester (Worthy Dn.)	1025·2	0	NNW	2	fb-	29	97	3	-	-	0	-	0	*
S. Farnborough	1025·6	+1	-	0	FFo	25	97	0	<150	St	10	-	10	*
London (Kew Obsy.)	1025·8	+1	-	0	FFo	27	97	1	<150	St	10	-	10	*
Croydon	1026·1	+2	NE'E	2	fb-	29	97	2	-	-	0	-	0	*
Shoeburyness	1025·7	+1	N'E	3	mmb	29	91	4	-	-	0	-	0	2
Clacton-on-Sea	1025·8	0	NNE	4	b	35	92	6	-	-	0	-	0	*
Felixstowe	1026·0	0	N'E	1	mmb	33	92	4	-	-	0	-	0	*
Lympne	1024·9	*	E'N	2	b	44	55	6	-	-	0	-	0	2
Scilly (St. Mary's)	1023·0	0	ESE	3	FFo	40	97	1	450	St	10	-	10	0
Falmouth (Pendennis)	1023·5	0	NNE	2	bc	35	97	6	1500	St	4	-	4	0
Plymouth (Cattewater)	1024·1	+2	-	0	b	32	92	5	-	-	0	-	0	0
Portland Bill	1023·0	0	NE	2	b	43	75	5	-	-	0	-	0	0
Southampton (Calshot)	1024·7	0	NNW	3	ffb	34	92	2	-	-	0	-	0	1
Dungeness	1024·6	0	NE	1	b	36	92	5	-	-	0	-	0	0
Guernsey (Fort George)	1023·0	+1	-	0	b	44	92	5	-	-	0	-	0	

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

Stations (1)	Weather Fore-noon (2)	Weather After-noon (3)	Temperature Min. 9h. 16th to 9h. 17th (4) °F	Temperature Max. 9h.-17h. 17th (5) °F	Rainfall Night 17h.-9h. 16th-17th (6) mm.	Rainfall Day 9h.-17h. 17th (7) mm.	Sunshine Sunrise to 17h. 17th (8) hr.	Sunshine Sunrise to Sunset 16th (9) hr.
Berwick-on-Tweed	c	c	31	42	-	-	5·2	3·3
Douglas (I. o. M.)	o	bbc	34	44	-	-	3·5	0·0
Llandudno	b	b	30	46	-	-	9·4	7·2
Colwyn Bay	b	bz	28	47	-	-	9·8	8·4
Rhyl	b	bc	28	51	-	-	9·4	7·8
Wallasey	xm.b	bz	30	50	-	-	0·0	0·0
Southport	cb	cbm	* 30	52	-	-	7·3	0·3
Blackpool	ocbc	bcc	30	50	-	-	6·1	2·1
Ilkley	ocbc	c	24	47	-	-	2·2	0·0
Cleethorpes	ob	ffe	35	41	-	Trace	2·5	0·0
Skegness	omo	om	29	35	Trace	-	0·0	0·0
Aberystwyth	zbbc	bbcz	29	46	-	-	9·8	9·2
Bath	fb	b	27	51	-	-	4·3	4·1
Cheltenham‡	ombc	mb	27	46	-	-	3·6	1·5
Leamington Spa	cm	cbm	25	49	-	-	2·6	0·0
Lowestoft	cfb	b	29	49	-	-	10·1	0·6
Harwich & Dovercourt	foc	bm	28	50	-	-	7·1	0·2
Maldon	xfob	b	28	52	Trace	-	6·6	0·0
Southend	obcf	bm	30	52	0·1	-	6·6	0·0
Bude	wxb	bmzb	26	53	-	-	8·7	9·8
Penzance	c	cbz	42	50	-	-	3·7	0·0
Paignton	omom	cbc	38	47	-	-	3·2	0·0
Torquay	amoc	bmbm	39	49	-	-	3·4	8·5
Jersey	b	b	38	57	-	-	9·6	2·2
Weymouth	mb	bm	32	49	-	-	6·6	2·8
Bournemouth	fb	b	27	?	-	-	8·0	2·7
Ventnor	fbz	bz	36	51	-	-	9·6	3·0
Portsmouth (S'thsea)	b	b	28	52	-	-	9·0	4·5
Bognor	cb	b	31	46	-	-	9·2	4·8
Littlehampton	b	b	28	48	-	-	9·4	4·8
Worthing	b	b	30	49	-	-	9·4	6·3
Brighton	b	b	33	53	-	-	9·9	3·4
Eastbourne‡	b	b	30	48	-	-	9·6	2·6
Hastings‡	xmb	b	33	53	0·1	-	10·3	1·1
Folkestone	bz	bz	33	50	-	-	9·8	1·8
Dover	mb	b	28	52	Trace	-	9·6	3·2
Tunbridge Wells	b	b	27	59	-	-	8·9	1·7
Ramsgate	obcbm	bm	30	46	0·4	-	7·9	1·7
Margate	ofbc	bcb	32	43	Trace	-	8·6	1·6
Deal	fb	b	29	48	-	-	7·6	

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* Information not usually received. F The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. § For code see page 1. †‡ See footnote page 1.

‡ At stations marked thus the maximum temperature is for the period 9h.-17h., the minimum for the period 21h.-9h. ✢ 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B24582 Tuesday 12th March 1929.

Observations at 13h. G.M.T. 18th

Stations. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.† 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1026.4	0	E'S	2	b	46	65	8	1500	Cu	1	-	1	•
Stornoway	1023.7	-2	S	1	c-	48	75	7	-	-	0	ACu	8	•
Wick	1025.9	0	SSE	2	o	41	92	5	1500	St	10	-	10	•
Tiree	1023.2	0	SE	5	b	50	65	7	-	-	0	-	0	0
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1026.4	-2	SSE	2	mmo	39	92	4	800	St	10	-	10	1
Malin Head	1023.1	-1	~~SW~~ NW	2	bc	50	75	5	-	-	0	Ci Cu	6	•
Renfrew	1026.5	0	ENE	2	fc-	42	85	4	450	St	9	-	9	1
Edinburgh (Inchkeith)	1026.6	0	NE	1	fo-	37	97	4	450	St	10	-	10	•
Leuchars	1026.6	-1	E	2	o	39	92	5	450	St	10	-	10	1
Eskdalemuir	1024.7	-2	SSE	2	bc	55	35	6	-	-	0	Ci	4	2
Tynemouth	1027.0	0	SE	1	fo-	38	97	3	800	St	10	-	10	•
Blacksod Point	1020.8	0	E	1	bc	56	55	8	•	StCu	4	-	4	•
Dunaghadee	1024.5	-1	S	2	mmb	47	75	4	-	-	0	-	0	•
Birr Castle	1022.7	•	S	2	bc-	54	65	8	2500	Cu	2	Ci	5	•
Holyhead	1024.4	-2	NW	1	b/m	48	75	5	-	-	0	-	0	5
Liverpool (Bidston)	1024.5	-2	SE'E	3	mmb	51	65	4	-	-	0	ACu	1	•
Chester (Sealand)	1024.6	-2	SSE	3	bc	55	55	5	-	-	0	Ci	4	1
Harrogate	1026.8	0	E	1	ffo	36	85	2	2150	St	10	-	10	•
Spurn Head	1026.9	0	SE'S	1	FFo	36	97	1	2150	St	10	-	10	•
Birmingham (Edgbaston)	1024.8	-1	SE	2	b	56	55	6	-	-	0	Ci	1	1
Cranwell	1027.2	-1	NE'E	2	fo-	36	97	4	450	St	10	-	10	1
Gorleston	1026.2	0	NNE	3	fbc	42	85	3	450	St	5	-	5	•
Valentia (Cahirciveen)	1021.0	-1	SE'S	3	bc	63	35	8	5700	StCu	1	Ci Cu	6	0
Roches Point	1024.0	-1	SE	3	bc	44	85	6	1500	St	4	-	4	•
Pembroke (St. Ann's H.)	1023.4	-1	SE'E	2	fb-	54	75	4	-	-	0	Ci St	2	•
Ross-on-Wye	1024.4	-2	NNE	2	mmb	45	75	4	-	-	0	-	0	1
Leafield	1024.1	0	ESE	2	b	57	45	6	-	-	0	Ci	1	0
Winchester (Worthy Dn.)	1023.9	-2	E'S	2	b	60	45	6	-	-	0	-	0	0
S. Farnborough	1024.3	-3	ENE	2	mmb	59	45	4	-	-	0	-	0	0
London (Kew Obsy.)	1024.7	-2	E'N	3	fb-	55	45	4	-	-	0	-	0	1
Croydon	1024.7	-2	ENE	3	b	58	45	6	-	-	0	-	0	1
Shoeburyness	1025.6	0	E	3	b	53	75	7	-	-	0	-	0	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1025.8	-1	NE'E	3	b	50	55	6	-	-	0	-	0	0
Lympne	1024.3	-1	~~E'N~~ E'S	3	b	60	25	6	-	-	0	-	0	0
Scilly (St. Mary's)	1022.5	0	E'S	2	b	53	75	6	-	-	0	Ci St	1	•
Falmouth (Pendennis)	1022.4	-1	-	0	b	52	65	6	-	-	0	-	0	•
Plymouth (Cattewater)	1022.6	-2	E	3	b	60	45	6	-	-	0	-	0	0
Portland Bill	1023.0	0	NE	2	mmc	51	65	4	1500	St	3	Ci St	10	•
Southampton (Calshot)	1024.0	-2	ESE	4	b	49	65	6	-	-	0	-	0	0
Dungeness	1024.4	+1	E	2	b-	49	65	6	-	-	0	-	0	•
Guernsey (Fort. George)	1022.6	-1	E	1	b	49	85	6	-	-	0	-	0	•

Observations at 18h. G.M.T. 18th

Stations.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.† 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1026.6	0	ESE	2	bc	42	75	8	1500	StCu	1	ACu	3	•
Stornoway	1022.5	0	-	0	bc	44	85	6	-	-	0	ASt	6	0
Wick	1025.9	0	SSE	3	o	40	97	5	1500	St	10	-	10	0
Tiree	1022.8	0	SSE	3	bc	46	85	7	1500	Cu	7	-	7	4
Nairn	1024.5	•	-	0	ifc	38	92	6	800	St	9	-	9	•
Aberdeen	1026.3	+1	SSE	3	ifo	38	97	5	800	St	10	-	10	0
Malin Head	1022.5	0	NW	1	c+	49	85	5	5700	StCu	~~9~~ 2	Ci Cu	9	0
Renfrew	1024.9	-1	NE	1	fb+	42	85	3	-	-	0	Ci	2	•
Edinburgh (Inchkeith)	1025.4	0	E	1	fo+	38	92	3	220	St	10	-	10	0
Leuchars	1026.1	0	ESE	2	o	39	92	5	800	St	10	-	10	•
Eskdalemuir	1025.2	+1	NE	3	bc	40	75	6	-	-	0	Ci	3	•
Tynemouth	1026.2	0	SE	1	ffo	37	97	3	800	St	10	-	10	0
Blacksod Point	1020.5	-1	W	1	bc	53	65	7	•	-	0	ACu	6	2
Dunaghadee	1023.5	-1	S	1	mmbc	45	85	4	5700	StCu	3	Ci St	6	1
Birr Castle	1020.7	•	S	2	bc	57	75	7	2500	Cu	5	-	5	•
Holyhead	1022.8	-2	-	0	bc+	48	75	5	-	-	0	Ci	5	0
Liverpool (Bidston)	1022.9	-2	SE	3	fb+	54	55	3	-	-	0	ACu	2	•
Chester (Sealand)	1023.0	-1	SE'S	2	mbc	50	75	4	-	-	0	Ci	3	•
Harrogate	1026.3	0	-	0	FFo	34	97	~~0~~ 1	2150	St	10	-	10	•
Spurn Head	1026.2	0	SE'E	2	FFo	36	97	1	2150	St	10	-	10	1
Birmingham (Edgbaston)	1023.5	-1	NE	2	fb+	53	75	3	-	-	0	-	0	•
Cranwell	1026.3	0	E'S	2	Fo	37	97	1	220	St	10	-	10	•
Gorleston	1026.1	0	NE	3	FFo	34	97	1	220	St	10	-	10	0
Valentia (Cahirciveen)	1019.2	-1	SSE	3	bc	58	45	8	4000	StCu	2	ACu	4	0
Roches Point	1022.1	-2	SE	3	bc	50	85	6	1500	St	4	-	4	1
Pembroke (St. Ann's H.)	1021.6	-3	E	1	b/m	51	75	5	-	-	0	Ci St	2	1
Ross-on-Wye	1022.7	0	E	2	b	54	65	5	-	-	0	Ci	1	•
Leafield	1023.3	-1	ENE	2	b	53	45	6	-	-	0	-	0	•
Winchester (Worthy Dn.)	1022.8	-1	SSE	1	b	53	55	6	-	-	0	Ci St	1	•
S. Farnborough	1023.2	0	ENE	2	b	55	45	6	-	-	0	Ci	1	•
London (Kew Obsy.)	1023.3	-1	E	3	fb/	53	35	3	-	-	0	Ci	1	•
Croydon	1023.8	0	E'N	3	b+	52	55	5	-	-	0	Ci	1	•
Shoeburyness	1024.9	0	E	1	b	41	97	6	-	-	0	Ci	2	•
Clacton-on-Sea	1025.0	0	ENE	3	bc	43	85	6	-	-	0	Ci	3	2
Felixstowe	1025.3	0	NE'E	3	mbc	35	97	4	-	-	0	Ci St	4	1
Lympne	1023.9	+1	NE	3	b	49	55	6	-	-	0	Ci	1	•
Scilly (St. Mary's)	1021.4	-1	ESE	2	b	48	85	5	-	-	0	-	0	1
Falmouth (Pendennis)	1021.6	-1	-	0	b	49	65	6	-	-	0	-	0	0
Plymouth (Cattewater)	1021.6	-1	ENE	3	b	54	55	6	-	-	0	-	0	0
Portland Bill	1021.7	-1	E'N	3	b	46	65	6	1500	StCu	2	-	2	2
Southampton (Calshot)	1022.7	-1	ESE	4	b	43	75	6	-	-	0	-	0	0
Dungeness	1023.5	-1	E	2	b	45	65	6	-	-	0	-	0	2
Guernsey (Fort. George)	1021.8	-1	-	0	b+	50	75	6	-	-	0	ACu	1	0

London Observations

Day 7h.-18h., Kew & Croydon. 9h.-18h., Kensington. 18h.-21h., other stations.	Heights above M.S.L. in feet.	Weather. Morning. (24 hours ended 9a.)	Weather. Afternoon.	Weather. Night.	Temperature. Max. Day. °F.	Temperature. Min. Nght. °F.	Temperature. 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.	Visibility 9h.
Kew	18	fxbzy	bzy	bfofxfw	60	32	23	-	Tr	6.5	*	*	2
Croydon	244	bfxbw2	bzy	bzffofx	62	30	23	-	-	8.8	"	"	1
Greenwich (Royal Obsy.)	149	bfxy	by	bwxofe	62	31	25	-	Tr	9.7	31	99	1
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	6.4	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	62	31	27	-	-	7.4	25	90	*
Regent's Pk. (Botanic Gdns.)	188	*	*	*	*	*	*	*	*	5.9	*	*	*
Camden Square	110	xbmb	bc	*	62	29	*	-	-	*	*	96	*
Kensington Palace	80	bf	b	*	61	31	26	-	-	*	(At 18h) .63	89	*
Hampstead Observatory	450	*	*	*	58	24	23	-	Tr	10.3	*	96	*

Atmospheric Pollution, Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 12th

South Kensington Max.	Time	Min.	Time
2.3	10h 18m	0.3	5h 19m

Kew Observatory Max.	Time.	Min.	Time.
2.9	11h 18m	0.3	4h 19m

Pole Star Record at Greenwich Obsy.

Exposure from 18th 13h 15m to 19th 5h 00m

Stars.	Exposure.	Record.	
	h. m.	h. m.	%
Polaris	9.45	3.54	40
δ Ursæ Minoris	9.45	3.54	40

Code for State of Ground.

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7 = Snow (thin layer often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

Table showing the Greenwich times of sunrise, noon, and sunset.

12th & 26th March, 1929.

Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6.1	12.1	18.2
	5.59	12.1	18.4
Greenwich	6.8	12.8	18.9
	6.6	12.8	18.11
Wick	6.21	12.20	18.21
	6.18	12.20	18.23
Valentia	6.49	12.49	18.50
	6.47	12.49	18.52

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
ip precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

Symbols.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ☋ = lunar halo.
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; ~ = has decreased; + = has increased.

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

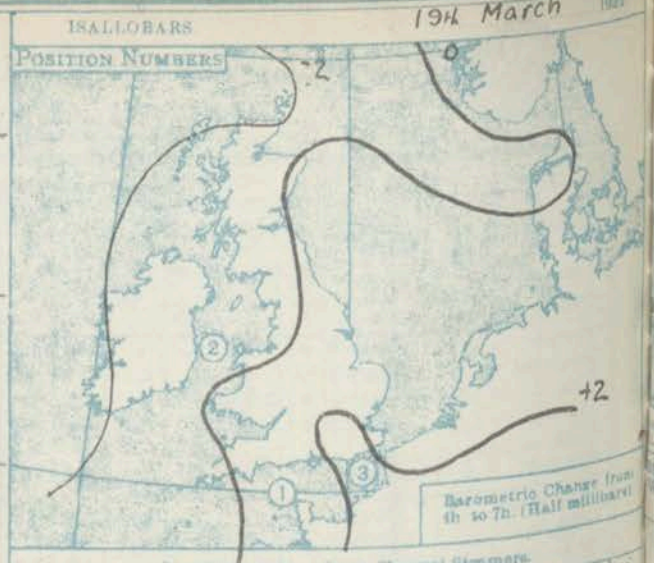
‡ Telegraphic Code for Surface Visibility.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2¾ "
6. Moderate.	6¼ "
7. Good.	12¼ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-18h. 18th	Weather. 18h.-18h. 18th	Weather. 18h. 18th to 1h. 19th	Weather. 1h.-7h. 19th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Day. 7h.-18h. began.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Night. 18h.-7h. began.	Sun 18th Hours.
Lerwick	b	b bc	bcb	bbcc	47	38	•	–	–	–	–	10·6
Stornoway	ozcz	cz	c	⓪bcz	49	35	•	–	–	–	–	6·7
Wick	om.	om.	om.o	om.	43	38	•	–	–	–	–	•
Tiree	bc b	bbc c	bcm.	m.bcc	51	41	35	–	–	–	–	6·8
Nairn	fc bc	cifo	ocf	cfe	40	33	•	–	–	0·3	24·00	0·0
Aberdeen	od.ffomm	ozmm.	om	omm.	40	36	35	Tr	28.00	–	–	0·0
Malin Head	bcz.z.	bccz.z.	cbc⓪bz.z	mbcz.z.	58	44	•	–	–	–	–	7·6
Renfrew	oFfcz	cbzff	bfom	om	46	35	32	–	–	–	–	1·3
Edinburgh (Inchkeith)	oFf mm	omff	ofmm	ommff	38	33	33	–	–	–	–	0·0
Leuchars	om om.	om.om.	om.om.	om.om.	39	35	30	–	–	–	–	0·0
Eskdalemuir	bbcz.y	bcy bcz	bm.bx	bcm.x	57	26	24	–	–	–	–	9·2
Tynemouth	oFe Fe	off	offo	o	38	35	35	Tr	–	–	–	•
Blacksod Point ...	bc	bc	bcc	bc	58	45	•	–	•	–	•	•
Donaghadee	bcbmm	bbcmm	bmm	mmccff	49	36	•	–	–	–	–	•
Birr Castle	cbc	bc	bc	bcm.	61	35	24	–	–	–	–	7·2
Holyhead	ifmbcbz.m	bz.	bcbz.m.w	bbcm.x	50	38	29	–	–	Tr	–	9·4
Liverpool (Bidston) ...	fbcbz	bcmfy	bcbmf	oFfe	56	32	31	–	–	–	–	7·8
Chester (Sealand) ...	fbm bcz.	bcbz.y	bzbcm	offF	60	33	28	–	–	–	–	7·6
Harrogate	obofF	ofF	oFF	oFFd.d.	36	32	31	–	–	0·2	2·30	0·1
Spurn Head	oFfe	Ffoz	OFfe	Foeoff	37	33	•	Tr	28.00	Tr	21·00	0·0
Birmingham (Edgbaston)	Fb	bm	bm	bmoF	60	28	28	–	–	–	–	6·9
Cranwell	oF	ombcof	oFe	oFdd.	46	30	31	–	–	0·3	–	3·8
Gorleston	bfxmb	Ffoz	Ffoe	Ffoe	48	31	31	Tr	–	0·1	–	5·8
Valentia (Cahirciveen)	bcy	bcy	bcy	bcy	64	46	41	–	–	–	–	9·7
Roches Point	ozbcz.	bcz.	bcz	bcffoe	54	37	•	–	–	Tr	–	•
Pembroke (St. Ann's H.)	bff	bf bm	bm.	bff	56	40	•	–	–	–	–	9·8
Ross-on-Wye	FFbf bm	bzy	bmw bf	FFe	58	31	27	–	–	0·1	–	5·7
Leafield	xb	b	b	bF	61	27	23	0·2	–	–	–	9·2
Winchester (Worthy Dn.)	bffxz.y	bz.y	bz.yz.	bmffx	63	30	27	Tr	–	–	–	9·6
S. Farnborough ...	ox Fbz	bzyz.	bym.	bmoffx	63	31	22	–	–	Tr	–	7·6
London (Kew Obsy.) ...	Fx bzy	bzy	bf	ofxofw	60	32	23	–	–	Tr	–	6·5
Croydon	bFxbmz.	bz.y	bz.ffo	oFeFox	62	30	23	–	–	–	–	8·8
Shoeburyness	bm.	bm.	ff	off	57	30	27	–	–	–	–	9·7
Clacton-on-Sea ...	bmz	bbcz	bczb	bcbffb	50	30	30	–	–	–	–	10·6
Felixstowe	bz.y	bz.y bc	bcmof	ofex	51	29	29	–	–	Tr	–	9·7
Lympne	bz.y	bz.y	bm.	bm.xf	61	27	24	–	–	–	–	10·9
Scilly (St. Mary's) ...	off bm	bm	bmff	ffbff	53	42	•	–	–	–	–	10·0
Falmouth (Pendennis)	bcm bz.	bz.	bz.	bz.	53	39	•	–	–	–	–	9·9
Plymouth (Cattewater)	bfx yz.	bz.y	bz.y	bz.wx	60	40	30	–	–	–	–	9·5
Portland Bill	bm omm	ombz.	bz.	bym.	51	43	•	–	–	–	–	•
Southampton (Calshot)	bxfmbbm	bm.	bm.w	bmwbm.x	55	35	25	–	–	–	–	9·5
Dungeness	bm.	bz.	bz.m.	bz.bcz.	50	35	•	–	–	–	–	•
Guernsey	bz.	bz.	bz.	bz.	54	47	•	–	–	–	–	10·3



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Anemometer.
2	18th 10h	Cambria	–	0	ffb	41	45	2

GENERAL INFERENCE.

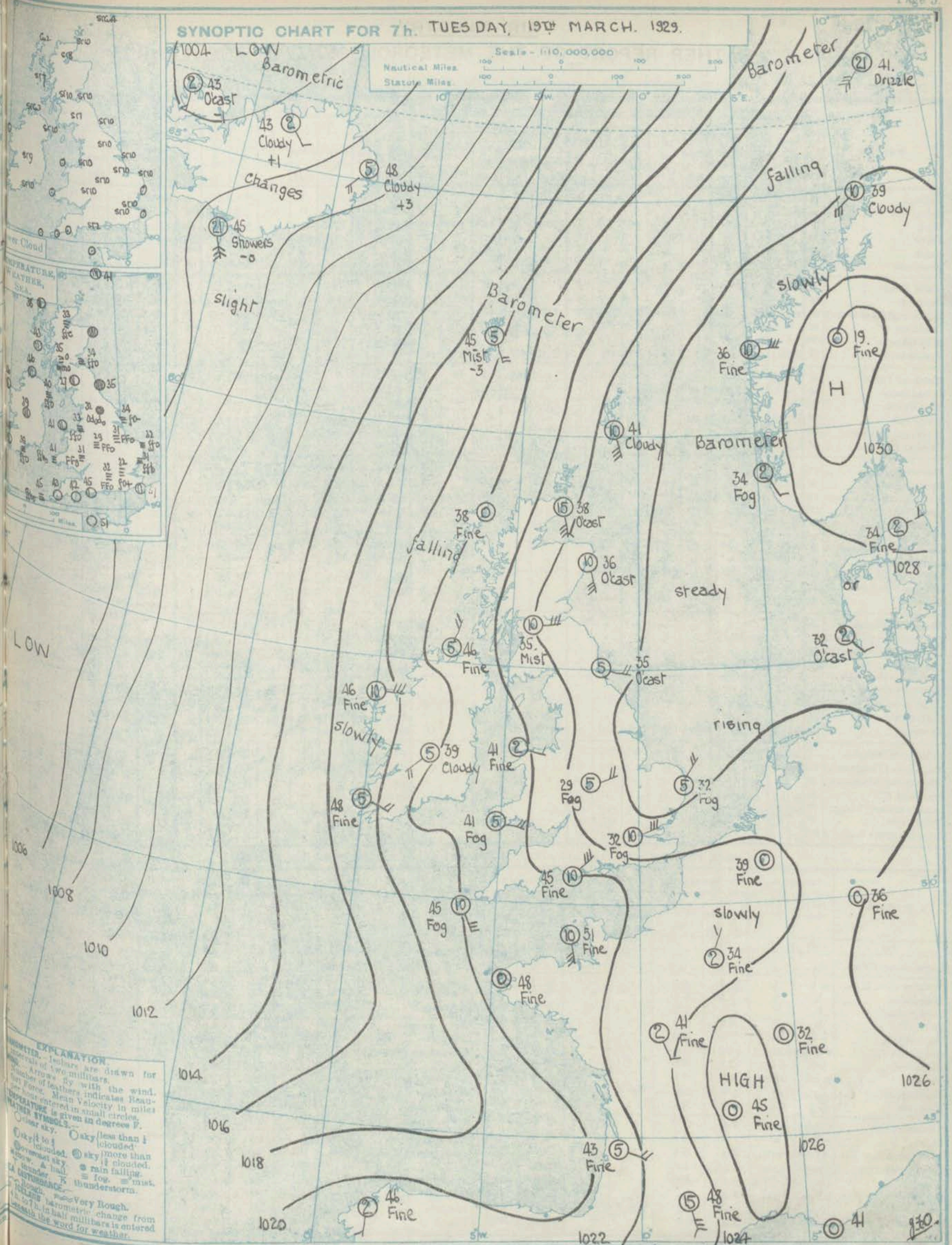
An anticyclone with centres over Southern Scandinavia and Central Europe will maintain fair, quiet weather over the British Isles with rather high day temperature but frost at night. Mist or fog will be widespread at night and in the early morning and will persist locally in eastern districts.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Tuesday, 19th March, 1929.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light variable winds; fair apart from fog at night and in early morning, persisting locally; moderate day temperature, frost at night.	Continuing fair and quiet. Fog will be widespread at night and in early morning.
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. S.E. Scotland	Light easterly or southeasterly winds, moderate at times; fair; rather high day temperature, cold at night; fog locally at night and in early morning.	
12. S.W. Scotland & Isle of Man 13 {A. W. Scotland {B. N.W. Scotland	Moderate southerly winds; fair; rather high day temperature; cold at night; fog locally at night and in early morning.	
14. Mid-Scotland 15. N.E. Scotland	As 4 - 11.	
16. Orkneys and Shetlands	As 12 - 13B.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland	Light variable winds; fair; rather high day temperature; frost inland at night; fog locally at night and in early morning.	
20. S.W. Ireland	As 12 - 13B.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 G.M.T. G. C. Simpson, F.R.S., Director.

† For code see page 1

† Trace = rain has fallen, but amount less than 0·1 mm.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Tuesday 12th March.....1929. No. 78.....

Stations.	Height above M.S.L. in feet.	Observations at 1h. G.M.T. 12m. Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-6	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Observations at 7h. G.M.T. 12th. Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-6	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	54	1025·9	0	ESE	1	b	40	85	8	-	-	0	-	0	1024·2	-2	SSE	3	c	41	75	8	1500	St Cu	4	A St	8	•
Stornoway	30	1022·0	-2	-	0	c	•	•	6	•	•	•	•	10	1020·0	-1	-	0	bc	38	97	6	4000	Cu	2	A St	7	0
Wick	81	1024·2	-1	SSE	3	0	39	97	7	1500	St	10	-	10	1022·8	-2	SSE	4	0	38	97	6	1500	St	10	-	10	3
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·3	-1	SE	5	bc	43	92	7	450	St	7	-	7	4
Nairn	62	•	•	•	•	•	•	•	•	•	•	•	•	•	1022·3	•	-	0	ffc	33	92	3	800	St	8	-	8	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	1025·2	0	SSE	3	0	36	97	5	800	St	10	-	10	0
Malin Head	81	1021·3	-1	SSE	1	b	48	75	7	-	-	0	Ci Cu	1	1020·1	-1	NNE	2	bc+	46	65	5	5700	St Cu	3	Ci Cu	4	0
Renfrew	26	•	•	•	•	•	•	•	•	•	•	•	•	•	1024·4	0	ENE	3	mmo	35	97	4	450	St	10	-	10	•
Edinburgh (Inchkeith)	180	1024·6	0	E	2	fo-	36	97	4	450	St	10	-	10	1024·5	0	E	2	ffo	34	97	3	450	St	10	-	10	0
Leuchars	50	•	•	•	•	•	•	•	•	•	•	•	•	•	1025·1	-1	SE	3	0	36	97	5	800	St	10	-	10	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1025·1	-1	N'W	2	bc	27	92	5	220	St	1	Ci	4	•
Tynemouth	67	1026·1	0	SE	1	0	37	97	6	800	St	10	-	10	1025·6	0	ESE	2	0	35	97	6	1500	St	10	-	10	1
Blacksod Point ...	48	1018·2	-2	E	3	bc	52	65	7	•	St Cu	7	-	7	1016·9	-1	E	3	bc	46	65	7	•	-	0	A Cu	6	2
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1022·3	-1	SSE	2	ffo	40	97	3	2500	St	10	-	10	2
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	1019·5	•	SW	2	c+	39	85	6	~~1500~~ 300	St	9	-	9	•
Holyhead	38	1022·1	-1	-	0	b	39	85	5	-	-	0	-	0	1020·8	-1	ESE	1	bc	41	75	6	-	-	0	C St	3	0
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1022·3	-1	SE	5	ffo	33	97	2	450	St	10	-	10	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1023·3	0	SSE	4	FFo	33	92	1	220	St	10	-	10	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	1026·2	0	-	0	od d.	32	97	1	<150	St	10	-	10	0
Spurn Head	29	1025·8	0	E	1	Fo+	34	97	1	<150	St	10	-	10	1025·8	0	SE'E	1	fo-	34	97	3	<150	St	10	-	10	•
Birmingham (Edgbaston)	536	•	•	•	•	•	•	•	•	•	•	•	•	•	1025·4	0	ENE	2	FFo	29	97	1	<150	St	10	-	10	0
Cranwell	236	1026·4	0	ENE	2	ffo	32	97	2	<150	St	10	-	10	1026·5	0	ESE	2	FFo	31	97	1	<150	St	10	-	10	0
Gorleston	14	1026·1	0	ENE	1	FFo	33	97	1	220	St	10	-	10	1026·1	0	NE'N	2	ffo	32	97	2	450	St	10	-	10	0
Valentia (Cahirciveen) P	30	1018·5	0	SE	4	bc	50	92	6	-	-	0	Ci Cu	7	1017·5	0	SE'E	2	bc	48	45	8	-	-	0	Ci Cu	4	1
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·3	-2	NE	3	ffo	39	97	3	450	St	10	-	10	1
Pembroke (St. Ann's H.)	150	1021·5	-1	E	1	mb+	43	92	4	-	-	0	-	0	1020·4	+1	ESE	2	ffb	41	97	3	-	-	0	-	0	•
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1024·4	0	E	2	FFo	31	97	1	<150	St	10	-	10	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1024·5	0	NE	2	FFo	28	97	1	<150	St	10	-	10	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•	1024·1	0	N	2	ffb	31	97	2	-	-	0	-	0	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	1024·4	+1	ENE	2	FFo	32	97	1	<150	St	10	-	10	•
London (Kew Obsy.) ...	18	•	•	•	•	•	39	•	•	•	•	•	•	•	1025·0	+1	ENE	3	fo+	32	97	2	220	St	10	-	10	•
Croydon	244	1024·5	0	ENE	3	Fo+	31	97	1	<150	St	10	-	10	1025·1	+2	ENE	2	FFo	31	97	1	<150	St	10	-	10	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1025·6	0	NE	2	ffo	32	97	2	220	St	10	-	0	1
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1025·6	0	NNE	3	ffb	31	97	2	-	-	0	-	10	0
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1025·6	0	NNE	2	FFo	31	97	1	<150	St	10	-	0	•
Lympne	350	1024·2	0	ENE	4	b	34	92	5	-	-	0	-	0	1024·5	+1	NE'N	3	fb-	30	97	4	-	-	0	-	0	1
Scilly (St. Mary's) ...	163	1020·8	-1	ESE	2	ffb	43	97	2	-	-	0	-	0	1020·0	-1	SE'S	3	ffb	45	97	2	-	-	0	-	0	0
Falmouth (Pendennis)	200	1021·2	0	-	0	b	43	97	6	-	-	0	-	0	1021·3	+1	ENE	2	b	43	97	6	-	-	0	-	0	0
Plymouth (Cattewater)	88	•	•	•	•	•	•	•	•	•	•	•	•	•	1021·5	+1	E	3	b	42	85	7	-	-	0	-	0	1
Portland Bill	32	1021·7	0	ENE	3	b	47	65	6	-	-	0	-	0	1020·7	0	NE	3	b	45	75	8	1500	St	2	-	2	0
Southampton (Calshot)	10	1023·1	+1	N	2	b	36	92	6	-	-	0	-	0	1023·2	0	NNW	3	b	36	92	5	-	-	0	-	0	2
Dungeness	20	1023·6	0	NE	2	b	40	85	6	-	-	0	-	0	1024·2	+2	ENE	2	bc+	37	92	6	-	-	0	C St	4	0
Guernsey (Fort George) P	205	1022·0	0	-	0	b-	41	92	5	-	-	0	-	0	1021·8	+1	SSE	3	b	51	65	6	-	-	0	-	0	0

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.-17h. to 9h. 18th	Temperature. Max. 9h.-17h. 18th	Rainfall.† Night 17h.-9h. 17th.-18th	Rainfall.† Day 9h.-17h. 18th	Sunshine. Sunrise to 17h. 18th	Sunshine. Sunrise to Sunset. 17th
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	of	o	28	39	-	-	0·0	5·2
Douglas (I. o. M.) ...	xb	b	34	55	-	-	8·7	4·0
Llandudno ...	b	b	33	53	-	-	8·8	9·8
Colwyn Bay ...	b	b	30	54	-	-	9·3	10·2
Rhyl	b	b	30	49	-	-	9·0	9·5
Wallasey	fb	bz	33	59	-	-	7·2	7·7
Southport	xbcz	bzbcz	30	62	-	-	7·8	7·3
Blackpool	bz	bbz	31	58	-	-	6·8	6·1
Ilkley	xm	bcm	22	45	-	-	2·5	2·2
Cleethorpes	fo	of	24	40	Trace	-	0·0	2·5
Skegness	fz	fz	28	36	0·1	Trace	0·0	0·0
Aberystwyth ...	xzbc	bcz	32	49	-	-	9·8	10·4
Bath	mb	b	28	62	-	-	7·6	4·6
Cheltenham‖ ...	ofbm	bmo	25	57	-	-	5·0	3·8
Leamington Spa ...	bm	bcm	25	61	-	-	6·5	2·6
Lowestoft	b	bbf	33	44	-	-	6·3	10·5
Harwich & Dovercourt	xbm	bmf	32	52	-	-	10·3	7·5
Maldon	xm	b	25	57	Trace	-	9·3	6·0
Southend	bfmb	bm	32	57	-	-	10·2	5·9

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	bc	bbc	27	59	-	-	9·1	10·0
Penzance	bz	bz	34	57	-	-	9·5	4·1
Paignton	wbm	b	29	57	-	-	9·0	3·7
Torquay	cmb	bzy	33	58	-	-	9·7	3·9
Jersey	b	b	38	56	-	-	9·7	10·3
Weymouth	mb	by	36	56	-	-	9·7	7·0
Bournemouth ...	b	b	29	61	-	-	9·5	8·0
Ventnor ...	bz	bz	44	55	-	-	10·0	10·2
Portsmouth (S'thsea)	b	b	30	57	-	-	9·0	9·2
Bognor	b	b	38	55	-	-	9·8	9·5
Littlehampton ...	b	b	30	56	-	-	10·0	10·0
Worthing	b	b	35	61	-	-	9·8	9·7
Brighton	b	b	38	62	-	-	9·9	10·6
Eastbourne‖	b	b	33	51	-	-	10·1	10·1
Hastings‖	xm	b	39	59	Trace	-	10·4	10·6
Folkestone	xbz	bz	34	57	-	-	10·0	9·8
Dover	mb	b	32	60	-	-	10·2	9·9
Tunbridge Wells ...	b	b	31	63	-	-	10·4	9·3
Ramsgate	bm	bm	31	51	-	-	9·7	8·1
Margate	mobc	bbc	32	48	-	-	10·0	8·6
Deal	b	b	28	52	-	-	8·1	7·7

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

* Information not usually received. P The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station § For code see page 1. †; See footnote page 1.

‖ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ‡ 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24,590 Wednesday 20th March 1929. Page 1.

Observations at 13h. G.M.T. 19h.

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1023·0	-2	S	3	c	42	75	8	1500	StCu	4	a.St	10	•
Stornoway	1018·3	-2	S	1	bc	49	75	7	-	-	0	aCu	7	•
Wick	1021·4	-2	SSE	4	c	41	86	7	1500	St	6	CiCu	8	•
Tiree	1018·9	-2	SSE	5	b-	47	85	7	-	-	0	-	0	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1023·8	-2	SSE	3	o	39	92	6	800	St	10	-	10	1
Malin Head	1018·1	-3	S	3	mmbc	56	65	4	-	-	0	CiCu	6	•
Renfrew	1022·9	-2	ENE	3	c-	39	85	5	450	St	9	-	9	1
Edinburgh (Inchkeith)	1024·0	-2	NE	2	o	36	85	6	450	St	10	-	10	•
Leuchars	1024·2	-1	ESE	3	o	38	92	6	800	St	10	-	10	1
Eskdalemuir	1022·6	-3	NE'E	4	bc+	40	85	6	5700	StCu	3	Ci	6	1
Tynemouth	1024·6	-1	SSE	1	o	36	92	5	1500	St	10	-	10	•
Blacksod Point	1016·4	0	SE	3	bc	56	45	7	•	-	0	aCu	4	•
Donaghadee	1021·0	-2	SE	2	ffbc	44	85	3	2500	St	3	aSt	6	•
Birr Castle	1017·3	•	SW	2	c	48	45	7	2500	Cu	3	aSt	8	•
Holyhead	1020·3	-1	S'W	2	b	57	55	6	-	-	0	CiSt	2	0
Liverpool (Bidston)	1021·2	-1	SE	5	mmbc	45	65	4	-	-	0	CiSt	3	•
Chester (Sealand)	1021·9	-3	SSE	4	fb-	45	75	4	-	-	0	-	0	1
Harrogate	1024·9	-1	SSE	1	ffo	33	97	3	<150	St	10	-	10	•
Spurn Head	1025·2	0	SSE	2	fo-	35	97	4	450	St	10	-	10	•
Birmingham (Edgbaston)	1023·5	-2	ESE	2	fo-	43	75	4	-	-	0	-	0	1
Cranwell	1025·5	-1	E'S	2	fo-	36	97	3	450	St	10	-	10	1
Gorleston	1025·6	-2	NE	1	ffo	37	97	2	450	St	10	-	10	•
Valentia (Cahirciveen)	1016·5	-1	SSE	5	bc	59	45	8	-	-	0	aCu	3	0
Roches Point	1020·6	-2	SE	3	bc	52	85	5	800	St	4	-	4	•
Pembroke (St. Ann's H.)	1020·5	-1	SE	2	fb-	49	85	3	-	-	0	-	0	•
Ross-on-Wye	1022·7	-2	E	2	b	45	75	5	-	-	0	-	0	1
Leafield	1023·3	+1	ESE	2	b	45	85	6	-	-	0	-	0	2
Winchester (Worthy Dn.)	1022·2	-2	SSE	2	b	63	45	6	-	-	0	-	0	0
S. Farnborough	1023·3	-2	ENE	2	fb-	50	65	3	-	-	0	-	0	0
London (Kew Obsy.)	1024·2	-1	E'N	3	ffb	42	75	3	-	-	0	-	0	1
Croydon	1024·1	-2	NE'E	3	mmb	44	75	4	-	-	0	-	0	1
Shoeburyness	1025·2	0	E	2	fo-	36	97	4	450	St	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1023·7	0	E'N	1	mimo	34	97	4	220	St	10	-	10	1
Lympne	1024·1	0	NNE	3	b	47	65	6	-	-	0	-	0	0
Scilly (St. Mary's)	1020·2	+1	SE'S	3	b	55	75	6	?–	StCu	[illegible]	CiCu	1	•
Falmouth (Pendennis)	1021·5	-1	-	0	b	51	75	6	-	-	0	-	0	•
Plymouth (Cattewater)	1021·7	-1	S	4	b	54	65	6	-	-	0	-	0	0
Portland Bill	1022·1	0	ENE	3	b	47	85	5	-	-	0	-	0	•
Southampton (Calshot)	1023·1	0	E'S	4	b	45	85	5	-	-	0	-	0	0
Dungeness	1024·2	0	ENE	3	fo-	40	92	3	<150	St	10	-	10	•
Guernsey (Fort George)	1022·1	-1	S	1	b	63	65	7	-	-	0	-	0	•

Observations at 18h. G.M.T. 19h.

Stations	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1020·7	-2	S	3	c	41	85	8	1500	StCu	5	aSt	10	•
Stornoway	1015·3	-2	S	1	c	49	65	6	-	-	0	aSt	9	1
Wick	1018·9	-3	SE	4	c⊕	41	97	6	1500	St	5	CiSt	8	3
Tiree	1016·6	-1	S'E	4	bc	45	85	7	800	Cu	7	-	7	4
Nairn	1018·2	•	-	0	ffbc	35	92	2	-	-	6	CiCu	5	•
Aberdeen	1022·2	-2	SSE	3	o	38	92	5	800	St	10	-	10	0
Malin Head	1016·2	-2	SE	4	bc	53	75	5	-	-	0	CiCu	6	1
Renfrew	1021·2	-2	E	3	mmb	38	85	4	-	-	0	Ci	1	•
Edinburgh (Inchkeith)	1021·5	-2	NE	3	mo	37	92	4	450	St	10	-	10	1
Leuchars	1022·3	-1	ESE	2	o	37	92	5	450	St	10	-	10	
Eskdalemuir	1021·2	-1	N	3	bc⊕	39	85	6	-	-	0	Ci	5	•
Tynemouth	1023·2	-1	SSE	1	ffo	37	92	3	1500	St	10	-	10	1
Blacksod Point	1014·9	-1	W	2	bc	51	75	7	•	-	0	aCu	4	2
Donaghadee	1019·8	-2	SSE	2	mbc	45	85	4	4000	StCu	3	CiSt	6	4
Birr Castle	1015·8	•	SW	2	c	57	65	7	1500	Cu	4	aCu	9	•
Holyhead	1019·3	-1	S'W	3	c+	49	75	5	-	-	0	CiSt	8	1
Liverpool (Bidston)	1019·9	-1	SE'S	4	fbc+	49	65	3	-	-	0	aCu	4	•
Chester (Sealand)	1020·3	0	SSE	3	mbc	48	75	4	-	-	0	Ci	5	•
Harrogate	1023·6	-1	SSE	1	ffo	34	97	2	<150	St	10	-	10	•
Spurn Head	1023·8	0	SSE	3	o	35	97	5	800	St	10	-	10	1
Birmingham (Edgbaston)	1022·3	-1	SE	2	b	49	75	5	-	-	0	-	6	•
Cranwell	1024·6	-2	ESE	3	fo+	35	97	3	450	St	10	-	10	•
Gorleston	1025·0	0	ENE	1	~~fo+~~ ffo	34	97	2	450	St	10	-	10	0
Valentia (Cahirciveen)	1015·1	-1	S	4	b	53	85	7	5700	StCu	1	CiCu	2	3
Roches Point	1019·9	0	SE	3	ffo	45	97	3	450	St	10	-	10	0
Pembroke (St. Ann's H.)	1019·8	-1	SE	2	bc+	52	75	5	-	-	0	CiSt	3	1
Ross-on-Wye	1021·4	-1	E'N	2	mb+	51	75	4	-	-	0	Ci	1	•
Leafield	1022·4	-1	E	2	b	48	75	5	-	-	0	-	0	•
Winchester (Worthy Dn.)	1022·5	+1	S'E	2	b	52	65	6	-	-	0	-	0	•
S. Farnborough	1022·7	0	E'N	1	fb+	49	65	3	-	-	0	-	0	•
London (Kew Obsy.)	1023·1	0	E	3	mmb	42	75	2	-	-	0	-	0	•
Croydon	1023·1	0	ENE	2	fb+	44	85	3	-	-	0	-	0	•
Shoeburyness	1024·6	0	ESE	2	Fo+	35	97	1	<150	St	10	-	10	•
Clacton-on-Sea	1024·4	0	ENE	3	ffo	34	97	2	<150	St	10	-	10	1
Felixstowe	1025·0	0	ENE	2	ffo	32	97	2	<150	St	10	-	10	1
Lympne	1023·5	+1	NE	3	b-	40	85	6	-	-	0	-	0	•
Scilly (St. Mary's)	1020·3	0	SSE	4	bc	51	85	6	-	-	0	Ci	4	2
Falmouth (Pendennis)	1021·1	0	-	0	bc+	49	85	6	4000	StCu	2	Ci	4	0
Plymouth (Cattewater)	1021·0	-1	SW	2	b	50	75	5	-	-	0	Ci	1	0
Portland Bill	1021·7	0	ENE	3	b	45	85	5	-	-	0	-	0	1
Southampton (Calshot)	1023·2	+1	E'S	4	b	43	85	5	-	-	0	-	0	0
Dungeness	1023·0	-1	ENE	4	Fo+	36	97	1	<150	St	10	-	10	3
Guernsey (Fort George)	1022·1	0	E	1	b	54	65	8	-	-	0	-	0	0

LONDON OBSERVATIONS.
Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. Day °F.	Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
		24 hours ended 9h.											
Kew	18	ofbf	bf	bf ofw	45	32	32	-	Tr	4·0	•	•	1
Croydon	244	oFebz	bzr₀	bfr₀fx	50	27	25	-	-	5·7	•	•	3
Greenwich (Royal Obsy.)	149	ofefm	obmr fo	ofeofcfq	43	30	31	-	Tr	3·2	74	96	2
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	1·0	•	•	•
Westminster (St. James' Pk.)	37	•	•	•	47	32	30	-	-	2·2	70	92	•
Regent's Pk. (Botanic Gdns).	165	•	•	•	•	•	•	•	•	0·5	•	•	•
Camden Square	110	ofc	c	•	47	30	•	-	-	•	•	97	•
Kensington Palace	80	bm	bm	•	45	34	31	-	-	•	(At 18h) 83	91	•
Hampstead Observatory	450	•	•	•	45	29	29	Tr	Tr	4·6	•	97	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 20th

South Kensington	Max.	Time.	Min.	Time.
	1·6	19th 14h	0·6	20th 3h

Kew Observatory	Max.	Time.	Min.	Time.
	1·6	19th 19h	0·3	20th 5h

POLE STAR RECORD at Greenwich Obsy.

Exposure from 19th 19 h. 15 m. to 20th 05 h. 0 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	9·45	Nil	0
δ Ursae Minoris	9·45	Nil	0

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7=Snow (thin layer often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET.
20-21st March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·59	12·1	18·4
	5·56	12·0	18·5
Greenwich	6·6	12·8	18·11
	6·4	12·7	18·12
Wick	6·18	12·20	18·23
	6·15	12·20	18·26
Valentia	6·47	12·49	18·52
	6·44	12·48	18·53

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
ip precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♁ = lunar halo.
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; − = has decreased; + = has increased.

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

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

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

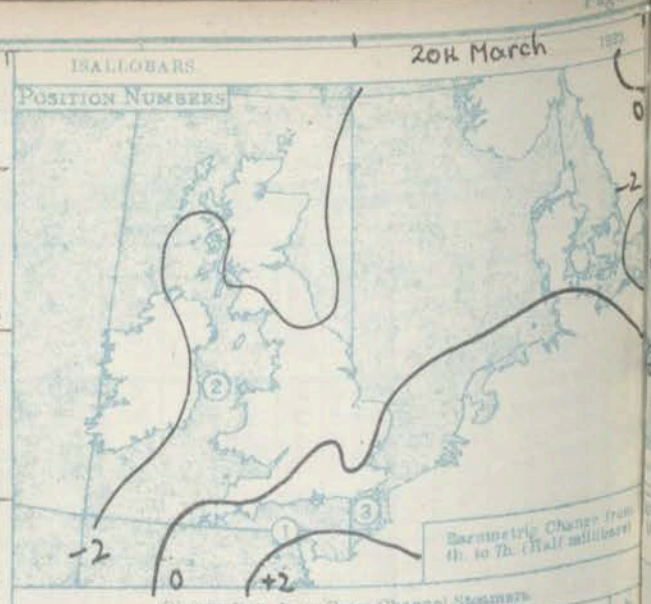
§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 19H	13h.-18h. 19H	18h. 19H to 1h. 20H	1h.-7h. 20H	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on Grass	RAINFALL.† Day. 7h.-18h. nam	began.	Night. 18h.-7h. nam.	began.	SUN 19H Hours.
Lerwick	c	c	c	c	42	40	•	-	-	-	-	0.5
Stornoway	bcz	bccz	bcc	oz	50	44	•	-	-	-	-	3.0
Wick	omoc	cmo	bcm.b	bbc	42	38	•	-	-	-	-	•
Tiree	cbcb	bbcc	cq	co	50	42	39	-	-	-	-	4.3
Nairn	cif	bcif	fbcx	bcx	38	29	•	-	-	-	-	0.0
Aberdeen	omozo	ozomo	omom	omff	40	36	35	-	-	-	-	0.0
Malin Head	bczz	bczoz	c	bczoc	(58)	47	•	-	-	-	-	7.2
Renfrew	omczo	cbzz	bzom.	om.ff	41	36	32	-	-	-	-	0.6
Edinburgh (Inchkeith)	offmm	om.mo	om	omm	{39}	35	33	-	-	-	-	0.0
Leuchars	omo	omo	omom.	om.om	38	36	35	-	-	-	-	0.0
Eskdalemuir	bbcmo	bczbcmo	bcm.bm	bmx	43	24	22	-	-	-	-	4.8
Tynemouth	omo	off	offomm	off	37	34	33	-	-	-	-	•
Blacksod Point ...	bc	bc	co	ccq	56	49	•	-	-	-	•	•
Donaghadee	cbcff	bcmm	bcmm	bcmm.	48	42	•	-	-	-	-	•
Birr Castle	c	c	c	cm.	60	(47)	36	-	-	-	-	5.3
Holyhead	bzoy	bczoy	cbcm.	bbczo	58	46	41	-	-	-	-	9.5
Liverpool (Bidston) ...	ofbm	bcmf	fbm.	bbcfx	52	37	33	-	-	-	-	5.8
Chester (Sealand) ...	ofefbcz	bbczz	bczbf	bff	51	33	30	-	-	-	-	4.8
Harrogate	od.Ff	off	offF	oFfFe	35	32	31	Tr.	<8.00	-	-	0.0
Spurn Head	ocom	omoz	ozoFf	Ffco	36	31	•	-	-	Tr	02.30	0.0
Birmingham (Edgbaston)	Fmb	b	bm	bmFx	53	30	27	-	-	-	-	4.9
Cranwell	oFe	omofe	oFe	oFe	38	28	30	Tr.	-	-	-	0.0
Gorleston	ffoe	ffoe	Ffoe	Ffoe	37	32	32	0.1	-	0.2	-	0.0
Valentia (Cahirciveen)	bcyby	bcyb	coid.	oir.	60	49	46	-	-	1	2400	9.8
Looshes Point ...	ofbcz	bczffoe	ffoe	ffoeod.	53	44	•	Tr.	-	1	03.30	•
Pembroke (St. Ann's H.)	bff	bffbc	bccm	bbcm.	53	43	•	-	-	-	-	~~7.4~~ ~~8.2~~
Ross-on-Wye	Ffbm	bz	bmbfw	bFx	55	27	23	-	-	-	-	5.2 (8.4)
Leafield	Fb	b	b	bf	56	35	23	Tr.	-	-	-	6.1
Winchester (Worthy Dn.)	bxffzoy	bzoy	bz.	bm.x	64	29	23	-	-	-	-	9.4
S. Farnborough ...	oxFeby	byf	bf	xf	56	27	22	-	-	-	-	4.9
London (Kew Obsy.) ...	ofbf	bf	bfofw	ofw	45	32	32	-	-	Tr	-	4.0
Croydon	oFebz	bzzo	bfeffex	ofefebz	50	27	25	-	-	-	-	5.7
Shoeburyness	offomo.oF	oF	oFFe	37	32	32	-	-	Tr	-	0.0
Clacton-on-Sea ...	ffbom	omfo	ffo	ffo	35	32	32	-	-	-	-	0.0
Felixstowe	ofeom	ofe	oF	oF	35	31	31	-	-	Tr	•	0.0
Lympne	bmo	bzomo	bfm.x	bm.x	53	28	23	-	-	-	-	10.2
Scilly (St. Mary's) ...	bffmo	bbcmo	bcb	bbcof	55	47	•	-	-	-	-	10.0
Falmouth (Pendennis)	bzo	bcczo	bcbm.	bbcm.	63	45	•	-	-	-	-	9.9
Plymouth (Cattewater)	bzoy	by	b	bw	57	38	32	-	-	-	-	10.3
Portland Bill	bmo	bmo	bm.	bm.	48	42	•	-	-	-	-	•
Southampton (Calshot)	bmo	bmo	bm.o	bwm.ffb	46	35	33	-	-	-	-	9.8
Dungeness	bczoFf	off	oFF	oFF	46	33	•	-	-	Tr	-	•
Guernsey	bzo	bzo	bzo	b	66	60	•	-	-	-	-	10.5



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	19th 10h	Cambria	SE	3	ffb	45	49	5
1	19th 10h	St. Julien	-	0	b	52	47	7
3	20th 2h	Brighton	N	2	ffb	39	42	4

GENERAL INFERENCE.

A trough of low pressure off Western Ireland will cause unsettled conditions with some rain in western districts but in the East weather should continue quiet and fair for the next 24 hours apart from fog locally.

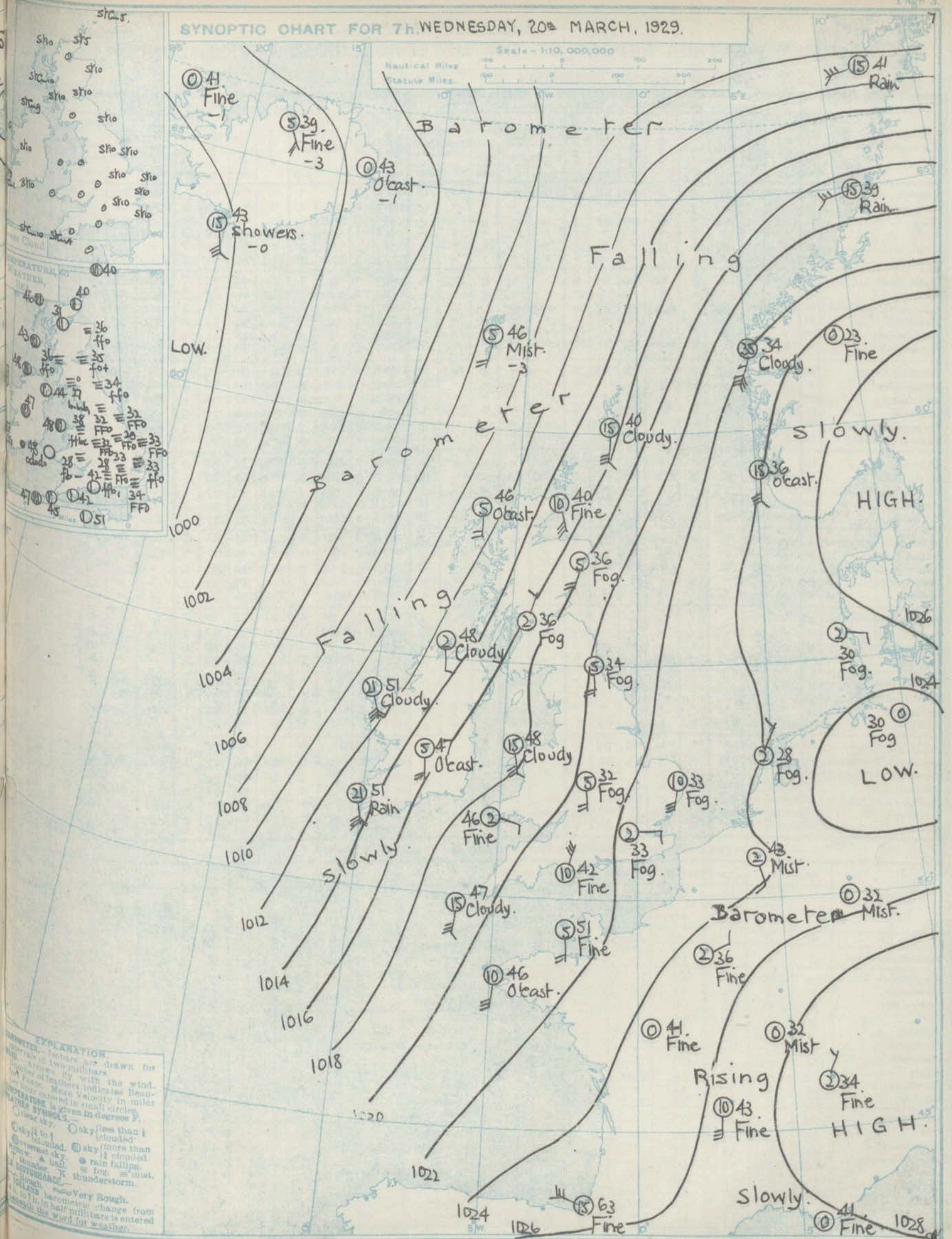
Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Wednesday, 20th March, 1929.	Farther Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light southerly winds, moderate at times; fair; moderate to rather high day temperature; fog at night and in the early morning, persisting locally.	Unsettled in the West; fair in the East.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Moderate southerly winds, fresh at times; cloudy, perhaps some rain or drizzle later; rather high day temperature; mist or fog locally at night and in the early morning.	
10. N.E. England 11. S.E. Scotland	As 1 - 3.	
12. S.W. Scotland & Isle of Man 13 A. W. Scotland 13 B. N.W. Scotland	Fresh southerly winds; cloudy, some rain or drizzle; mild.	
14. Mid-Scotland	As 4 - 9.	
15. N.E. Scotland 16. Orkneys and Shetlands	Moderate southerly winds, fresh at times; cloudy; mild.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 12 - 13B.	

WHR

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

† For code see page 1

† Trace = rain has fallen, but amount less than 0.01



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Wednesday, 20th March 1929. No. 79

Observations at 1h. G.M.T. 20th March

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1017.7	-2	S	4	c	40	85	8	1500	StCu	5	ASt	10
Stornoway	30	1014.3	-3	SW	2	c	•	•	6	•	•	•	•	10
Wick	81	1016.4	-2	SSE	4	b	39	97	7	-	-	0	-	0
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	1014.6	-2	S	2	bc	50	65	6	-	-	0	ACu	5
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1020.8	-1	NE	1	mmo	35	97	4	450	St	10	-	10
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	87	1021.3	-2	S	2	mmo	36	97	4	1500	St	10	-	10
Blacksod Point ...	18	1012.7	-1	SE	5	c	49	92	7	•	-	0	ASt	10
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	178	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	36	1018.7	-1	S	3	b-	49	75	6	-	-	0	CiSt	1
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	1022.8	0	S	2	FFo	34	97	1	<150	St	10	-	10
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	236	1023.6	-1	SE	2	Fo+	33	97	1	<150	St	10	-	10
Gorleston	14	1024.7	0	SSE	3	FFo	32	97	1	220	St	10	-	10
Valentia (Cahirciveen) P	30	1015.6	-2	E	2	od₀+	48	97	5	<150	St	10	-	10
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	150	1019.9	0	E	1	b-	46	92	5	-	-	0	-	0
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	36	•	•	•	•	•	•	•
Croydon	244	1023.5	-1	-	0	FFb	30	97	1	-	-	0	-	0
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1023.6	0	ESE	2	b	30	92	5	-	-	0	-	0
Scilly (St. Mary's) ...	163	1019.5	0	S	4	b	48	97	6	-	-	0	-	0
Falmouth (Pendennis)	200	1020.9	0	E'S	1	b	46	92	6	-	-	0	-	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1021.2	0	ENE	2	b	44	85	5	-	-	0	-	0
Southampton (Calshot)	10	1022.8	-1	E'S	2	b	39	92	5	-	-	0	-	0
Dungeness	20	1023.6	-1	SSE	2	FFo	35	97	0	<150	St	10	-	10
Guernsey (Fort George) P	295	1022.0	-1	-	0	b-	52	65	7	-	-	0	-	0

Observations at 7h. G.M.T. 20th March

Stations	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1015.2	-3	S	4	c	40	85	7	1500	StCu	5	ASt	10	•
Stornoway	1011.7	-2	S	2	o	46	75	6	2500	St	10	-	10	3
Wick	1014.4	-2	SSE	3	bc	40	97	7	1500	St	5	CiCu	7	4
Tiree	1012.3	-1	S'E	6	c+	43	75	7	800	StCu	10	-	10	•
Nairn	1019.0	•	-	0	bc-	31	85	7	-	-	0	ACu	4	0
Aberdeen	1017.3	-2	SSW	2	ff o	36	97	3	<150	St	10	-	10	
Malin Head	1012.7	-1	S	1	c	48	75	7	5700	StCu	9	-	9	0
Renfrew	1018.3	-2	NE	1	ff o	36	97	3	450	St	10	-	10	•
Edinburgh (Inchkeith)	1019.1	-2	NNE	1	fo+	35	97	3	<150	St	10	-	10	0
Leuchars	1018.5	-2	W	1	mmo	36	97	4	220	St	10	-	1	•
Eskdalemuir	1019.8	-1	o	0	mmb	27	92	4	-	-	0	ACu	10	1
Tynemouth	1019.9	-2	S	2	ff o	34	97	2	800	St	10	-	10	
Blacksod Point ...	1010.3	-2	SSE	5	c	51	85	8	•	CuNb	9	-	9	6
Donaghadee	1016.9	-1	SE	2	bc-	44	92	5	4000	StCu	3	CiCu	5	2
Birr Castle	1014.3	•	S	2	o	47	92	6	800	St	10	-	10	•
Holyhead	1017.0	0	S'E	4	c+	48	75	6	-	-	0	Ci	9	1
Liverpool (Bidston) ...	1018.7	-1	SE'S	5	ff bc	38	92	3	-	-	0	Ci	4	•
Chester (Sealand) ...	1019.2	-1	SE	4	ff bc	33	92	3	-	-	0	Ci	5	•
Harrogate	1021.4	-1	S	1	FFo	32	97	0	<150	St	10	-	10	•
Spurn Head	1021.7	0	S'W	3	FFo	32	97	1	<150	St	10	-	10	2
Birmingham (Edgbaston)	1021.7	0	S	2	Fb-	32	97	1	-	-	0	-	0	•
Cranwell	1023.1	0	SE'S	2	FFo	29	97	1	<150	St	10	-	10	•
Gorleston	1023.5	0	SSW	3	FFo	33	97	1	220	St	10	-	10	0
Valentia (Cahirciveen) P	1012.3	-2	S'E	5	cr₀	51	92	8	800	St	10	-	10	3
Roches Point	1016.7	-2	S	4	od₀d₀	48	97	5	800	St	10	-	10	4
Pembroke (St. Ann's H.)	1018.6	-1	ESE	1	bc+	46	92	6	-	-	0	CiSt	5	1
Ross-on-Wye	1021.0	-1	NW	1	fb-	28	97	2	-	-	0	Ci	1	•
Leafield	1021.8	-1	SSE	2	ff b	36	92	3	-	-	0	ACu	1	•
Winchester (Worthy Dn.)	1022.5	-1	-	0	b	31	97	5	-	-	0	Ci	1	•
S. Farnborough ...	1021.6	-1	SE'E	1	ff b	28	97	3	-	-	0	CuCu	1	•
London (Kew Obsy.) ...	1023.1	0	E	1	FFo	33	97	0	<150	St	10	-	10	•
Croydon	1023.2	0	ESE	1	fb-	28	97	2	-	-	0	-	0	
Shoeburyness	1023.6	0	SE	1	FFo	33	97	1	<150	St	10	-	10	•
Clacton-on-Sea ...	1023.6	0	E	3	ff o	33	97	2	<150	St	10	-	10	1
Felixstowe	1029.2	0	-	0	FFo	32	97	1	<150	St	10	-	10	0
Lympne	1023.1	0	SSE	2	b	37	92	5	-	-	0	-	0	•
Scilly (St. Mary's) ...	1019.2	0	SSW	4	c+	47	97	6	4000	StCu	10	-	10	2
Falmouth (Pendennis)	1019.5	0	-	0	bc+	45	97	6	4000	StCu	4	-	4	0
Plymouth (Cattewater)	1020.8	0	E	2	b	42	85	8	-	-	0	Ci	2	0
Portland Bill	1020.6	0	NE	3	b+	42	92	5	-	-	0	Ci	2	1
Southampton (Calshot)	1022.4	-1	E'S	4	FFo	37	92	0	<150	St	10	-	10	0
Dungeness	1022.9	+1	-	0	FFo	34	97	0	<150	St	10	-	10	0
Guernsey (Fort George) P	1021.9	+2	S	2	b	51	75	7	-	-	0	Ci	2	1

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

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 18th to 9h. 19th °F.	Temperature. Max. 9h. 18th - 17h. 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.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	o	o	34	38	-	-	0.0	0.0
Douglas (I. o. M.) ...	xo	oFbc	36	55	-	-	3.6	8.9
Llandudno ...	b	b	40	58	-	-	8.9	9.2
Colwyn Bay ...	b	b	35	65	-	-	9.3	9.5
Rhyl	b	b	35	65	-	-	8.7	9.0
Wallasey	fb	bbcz	32	52	-	-	5.7	7.2
Southport	xfbz	bzbcz	*30	57	-	-	6.9	7.8
Blackpool	by	bcm	33	57	-	-	7.6	6.8
Ilkley	feo	gm	28	36	Trace	-	0.0	2.5
Cleethorpes	fo	o	33	36	-	-	0.0	0.0
Skegness	feo	o	32	36	0.1	Trace	0.0	0.0
Aberystwyth ...	zbcc	becz	42	57	-	-	9.9	10.4
Bath	b	b	30	61	-	-	7.7	7.8
Cheltenham ...	ombm	bmo	28	58	-	-	6.2	5.3
Leamington Spa ...	omcb	bcb	29	53	-	-	4.5	6.5
Lowestoft	cfc	ccf	30	34	-	-	0.0	6.3
Harwich & Dovercourt	xbcaf	ocaf	29	35	Trace	Trace	0.0	10.3
Maldon	xfo	of	27	37	Trace	-	0.0	9.5
Southend	ofc	of	30	38	Trace	Trace	0.0	10.4

Stations	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	wb	b	33	66	-	-	10.3	8.8
Penzance	bz	bz	37	59	-	-	8.5	9.7
Paignton	wbm	bbz	32	51	-	-	8.9	9.4
Torquay	bm	bm	37	56	-	-	9.3	10.1
Jersey	b	b	40	63	-	-	10.0	10.5
Weymouth	mb	bm	40	49	-	-	9.7	10.3
Bournemouth ...	b	b	34	55	-	-	10.0	9.7
Ventnor ...	bz	bz	44	55	-	-	10.0	10.4
Portsmouth (S'thsea)	b	b	38	52	-	-	9.5	9.2
Bognor	b	b	40	50	-	-	9.5	10.2
Littlehampton ...	b	b	35	50	-	-	9.9	10.4
Worthing	b	b	40	54	-	-	9.7	10.1
Brighton	b	b	39	51	-	-	9.6	10.6
Eastbourne‖	b	b	36	46	-	-	9.5	10.4
Hastings‖	b	b	37	55	-	-	10.1	10.8
Folkestone	xbcbm	bm	31	50	-	-	9.3	10.2
Dover	feocf	cbm	31	46	-	-	5.7	10.7
Tunbridge Wells ...	b	b	29	58	-	-	9.0	10.4
Ramsgate	of	of	32	36	Trace	Trace	0.0	9.8
Margate	Ffm	F	32	37	-	-	0.0	10.4
Deal	f	f	29	38	-	-	0.0	8.2

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* Information not usually received. P The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station § For code see page 1. †‡ See footnote page 1

‖ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ⊕ 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24,591 Thursday, 21st March 1929.

Observations at 13h. G.M.T. 20th

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.
Lerwick	1012.9	-4	S	4	c	43	85	5	1500	StCu	5	aSt	10	•
Stornoway	1010.3	0	SW	5	o	50	65	7	2500	St	10	-	10	•
Wick	1011.7	-4	SSW	4	bc	46	85	7	1500	St	5	aCu	7	•
Tiree	1011.2	-1	S'E	5	o	47	85	7	800	St	10	-	10	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1015.5	-3	S'E	3	mmo	39	97	4	450	St	10	-	10	1
Malin Head	1011.0	-2	S	5	c	50	85	7	5700	StCu	9	CiSt	10	•
Renfrew	1015.6	-2	NNE	1	mmo	49	85	4	1500	St	10	-	10	1
Edinburgh (Inchkeith)	1016.4	-2	NE	1	ffo	37	97	3	<150	St	10	-	10	•
Leuchars	1016.6	-2	-	0	mmo	38	92	4	800	St	10	-	10	1
Eskdalemuir	1016.7	-1	SW'S	4	c+	51	45	6	-	-	0	aCu	9	1
Tynemouth	1017.1	-2	SSE	2	c/f	42	85	6	4000	StCu	8	-	8	•
Blacksod Point	1007.6	-2	SSE	5	or₀+	52	85	6	•	Nb	10	-	10	•
Donaghadee	1016.1	0	SSW	3	c	47	92	6	4000	StCu	9	-	9	•
Birr Castle	1012.2	•	SE	3	c/pr₀	50	75	7	800	St	9	-	9	•
Holyhead	1016.9	-1	SSW	4	c	50	85	6	-	-	0	aCu	9	0
Liverpool (Bidston)	1017.3	-1	SSE	4	c-	58	45	6	2500	StCu	4	CiCu	8	•
Chester (Sealand)	1017.5	-2	SE'S	4	c	58	55	5	-	-	0	aCu	8	0
Harrogate	1019.4	-2	SSE	2	fe-	39	92	3	<150	St	9	aSt	10	•
Spurn Head	1019.1	-2	SSE	3	c-	40	97	5	1500	St	5	aSt	9	•
Birmingham (Edgbaston)	1019.3	-2	S	3	c+	60	55	6	-	-	0	aSt	8	1
Cranwell	1020.7	-3	SE	3	c	54	65	6	4000	StCu	2	aCu	9	1
Gorleston	1022.3	-1	S	4	ffo	37	97	2	450	St	10	-	10	•
Valentia (Cahirciveen)	1009.8	-3	S'E	5	crr	53	97	6	800	St	10	-	10	1
Roches Point	1014.4	-3	SW	4	od₀d₀	49	97	5	800	St	10	-	10	•
Pembroke (St. Ann's H.)	1018.1	-2	S	3	o+	47	97	5	1500	St	10	-	10	•
Ross-on-Wye	1015.0	-2	SSW	4	c	61	45	6	-	-	0	CiSt	9	1
Leafield	1019.4	-1	SSE	3	bc+	61	45	6	-	-	0	CiSt	7	0
Winchester (Worthy Dn.)	1020.7	-2	SSE	3	c⊕	59	55	6	-	-	0	CiSt	9	0
S. Farnborough	1020.5	-3	S	3	c⊕	67	35	7	-	-	0	CiSt	8	0
London (Kew Obsy.)	1020.8	-3	-	0	FFb	55	65	1	-	-	0	-	0	1
Croydon	1020.9	-3	SSW	3	bc+	66	55	6	-	-	0	Ci	7	0
Shoeburyness	1022.5	-1	SW'W	2	bc/f	45	85	7	5700	St	2	aCu	5	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1023.1	-1	-	0	ffc	36	97	2	220	St	9	-	9	0
Lympne	1022.3	-1	SE'S	2	bc+	57	55	5	-	-	0	Ci	7	0
Scilly (St. Mary's)	1018.6	-1	S	4	c	50	97	5	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1019.8	0	S'W	3	c	47	97	7	4000	StCu	10	-	10	•
Plymouth (Cattewater)	1020.4	-1	S	3	c	50	75	8	-	-	0	CiSt	8	0
Portland Bill	1019.1	-2	NE	2	c	46	75	5	2500	StCu	10	-	10	•
Southampton (Calshot)	1021.1	-5	ESE	4	bc	45	85	6	-	-	0	CiSt	0	0
Dungeness	1023.0	-1	SSE	1	bc/f	48	75	6	800	St	5	CiCu	5	•
Guernsey (Fort George)	1021.3	-2	SSW	3	bc+	52	75	7	-	-	0	CiSt	7	•

Observations at 18h. G.M.T. 20th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1010.6	-2	S	3	c	43	85	4	1500	StCu	5	aSt	10	•
Stornoway	1007.8	-2	SW	4	o	49	75	7	2500	St	10	-	10	3
Wick	1010.7	-2	SSW	3	c	45	97	6	1500	St	7	aCu	10	1
Tiree	1008.3	-2	SSE	6	or₀r₀	46	97	6	800	Nb	10	-	10	4
Nairn	1009.6	•	-	0	c+	51	75	7	2500	StCu	8	-	8	•
Aberdeen	1014.1	-2	S	3	mmc	42	92	4	800	St	1	aCu	8	0
Malin Head	1007.7	-3	S'E	5	cr₀	51	92	7	4000	StCu	9	aSt	10	1
Renfrew	1013.9	-2	-	0	ffc	46	85	3	2500	Cu	8	CiSt	10	•
Edinburgh (Inchkeith)	1013.7	-1	SSE	1	fc-	42	85	4	450	St	9	-	9	0
Leuchars	1014.4	-3	-	0	mc+	40	92	4	2500	St	8	aSt	10	•
Eskdalemuir	1015.8	-1	SW	3	bc-	47	65	6	-	-	0	aCu	6	•
Tynemouth	1015.9	-2	SW	1	ffc	47	75	3	4000	StCu	10	-	10	1
Blacksod Point	1004.7	-3	S	5	orr	[illegible]	85	6	•	Nb	10	-	10	6
Donaghadee	1014.0	-2	SSW	3	or₀	46	92	6	2500	St	10	-	10	3
Birr Castle	1009.1	•	SE	3	[illegible]	52	85	7	800	CuNb	9	-	9	•
Holyhead	1015.4	-2	S	4	c	46	97	6	800	St	6	aSt	10	1
Liverpool (Bidston)	1016.2	-1	-	0	c	58	55	5	-	-	0	aCu	8	•
Chester (Sealand)	1015.9	-1	SE'S	3	c	57	65	6	5700	StCu	2	aSt	8	•
Harrogate	1017.6	-1	S	2	ffbc	47	85	3	<150	St	4	CiCu	5	•
Spurn Head	1018.4	-1	S'E	3	c	40	97	5	1500	St	6	aCu	9	1
Birmingham (Edgbaston)	1017.6	-1	S	3	bc	60	65	6	-	-	0	Ci	6	•
Cranwell	1019.7	-1	S'W	3	c	52	65	6	-	-	0	aCu	8	•
Gorleston	1021.5	0	S	3	fc-	37	97	2	450	St	7	CiCu	9	0
Valentia (Cahirciveen)	1007.9	-1	S	5	od₀d₀	53	97	6	220	St	10	-	10	5
Roches Point	1011.8	-3	SW	4	odd	50	97	5	800	St	10	-	10	4
Pembroke (St. Ann's H.)	1016.1	-2	SSE	3	o	46	97	6	1500	St	10	-	10	3
Ross-on-Wye	1018.3	-1	SW	2	bc	56	45	7	-	-	0	aSt	3	•
Leafield	1018.9	-1	S	4	bc	56	45	8	-	-	0	CiSt	5	•
Winchester (Worthy Dn.)	1020.5	+1	SSE	1	c	59	65	6	-	-	0	CiSt	8	•
S. Farnborough	1020.1	0	S'W	1	bc	56	65	6	-	-	0	Ci	7	•
London (Kew Obsy.)	1020.1	0	S	2	c	57	55	5	-	-	0	aSt	8	•
Croydon	1020.4	+1	S'W	3	c-	57	55	6	5700	StCu	3	Ci	8	•
Shoeburyness	1020.9	0	S'W	1	bc	43	92	6	-	-	0	aSt	6	•
Clacton-on-Sea	1021.3	0	ESE	3	bc	43	92	6	-	-	0	Ci	7	0
Felixstowe	1021.6	+1	E'N	1	mmbc	40	92	4	220	St	3	Ci	7	0
Lympne	1021.5	0	S'E	2	bc-	49	65	6	-	-	0	Ci	7	•
Scilly (St. Mary's)	1016.7	-2	S	5	od₀d₀	50	97	4	2500	Nb	10	-	10	4
Falmouth (Pendennis)	1018.7	0	S	3	o	47	97	6	1500	St	10	-	10	1
Plymouth (Cattewater)	1019.9	0	SSW	3	o	47	92	6	450	St	10	-	10	0
Portland Bill	1019.6	+1	SW	2	FPo	45	97	1	450	St	10	-	10	1
Southampton (Calshot)	1020.7	-1	ESE	2	c	44	85	6	-	-	0	Ci	9	0
Dungeness	1020.9	-1	SE	2	c	44	85	6	1500	StCu	4	CiCu	9	2
Guernsey (Fort George)	1021.3	0	W'S	3	bc	48	92	6	4000	StCu	3	aCu	7	1

LONDON OBSERVATIONS.
Day 7h–18h., Kew & Croydon.
7h–18h., Kensington.
7h–21h., other stations.

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. Day °F.	Temp. Min. Night °F.	Temp. Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
		24 HOURS ENDED 9h.											
Kew	18	bf	cz₀y	bm₀y	65	40	27	-	Tr	2.7	•	•	5
Croydon	244	bffgbcg	bcz₀y	cyz₀bdy	67	42	34	-	Tr	5.6	•	•	4
Greenwich (Royal Obsy.)	149	bcf	cfcy	c⊕bzm	65	41	25	-	Tr	4.7	35	89	+
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.1	•	•	•
Westminster (St. James' Pk.)	37	•	•	•	64	36	28	-	-	1.1	40	91	•
Regent's Pk. (Botanic Gdns).	169	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110	cf	cfc	•	62	34	•	-	-	•	•	93	•
Kensington Palace	80	cf	bc	•	64	45	31	-	-	•	(At 18h.) 85	93	•
Hampstead Observatory	450	•	•	•	62	41	30	-	Tr	3.3	•	97	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 7h. G.M.T. 21st

South Kensington

Max.	Time.	Min.	Time.
6.4	20th 13h.	0.3	21st 5-6h.

Kew Observatory

Max.	Time.	Min.	Time.
2.6	20th 13h.	0.1	23h. 5-6h.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 20th 19h. 15m. to 21st 05h. 0m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	9.45	04.35	47
δ Ursæ Minoris	9.45	04.31	46

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7 = Snow (thin layer often not continuous).
8 = Snow (deep impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET.
21st–22nd March, 1929.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.56 5.54	12.0 12.0	18.6 18.7
Greenwich	6.4 6.1	12.7 12.7	18.12 18.14
Wick	6.15 6.12	12.20 12.19	18.26 18.28
Valentia	6.47 6.42	12.48 12.48	18.53 18.55

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—2000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⊍ = lunar halo.
With present weather is combined, whenever possible, the natural character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; − = has decreased; + = has increased.

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
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.

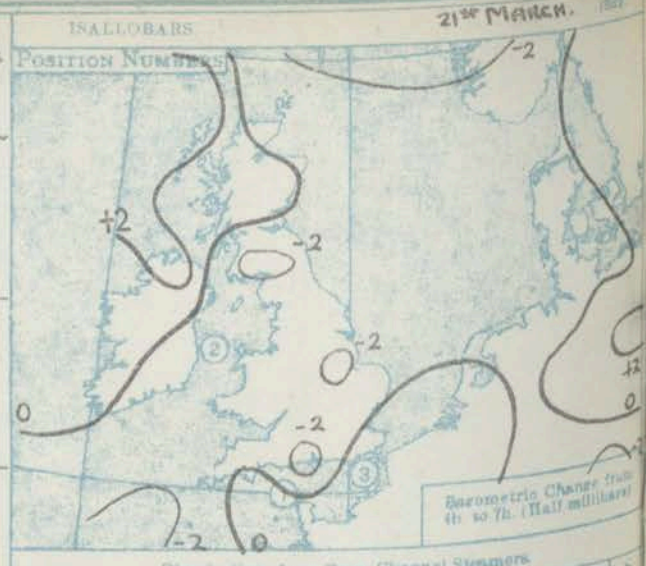
§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 20th	18h.-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	began.	Night. 18h.-7h. mm.	began.	SUN 20th Hours.
Lerwick	cm₀	cm	cm m₀	coir₀m₀	44	43	•	-	-	1	05·30	0·0
Stornoway	o	o	crro	oc	50	46	•	-	-	2	<21·00	0·0
Wick	b₀bc	cm₀	cm₀m	or₀m₀	47	44	•	-	-	1	01·30	•
Tiree	o	or₀r₀	r₀r₀	r₀rro	48	45	44	Tr.	14·30	7	<21·00	0·0
Nairn	bc	bcebc	cqp	cbc	52	47	•	-	-	0·2	<21·00	1·9
Aberdeen	offmm	cmzz	cm	cmcir	42	41	38	-	-	0·2	06·30	0·0
Malin Head	c	cr₀	cr₀r₀cir₀	cir	53	46	•	0·1	14·30	4	<21·00	0·0
Renfrew	ofeoz	oczff	omr₀r₀	omrr	49	43	38	-	-	6	<21·00	0·0
Edinburgh (Inchkeith)	off	offmm	cmm₀r₀r₀	crr	43	43	41	-	-	3	22·00	0·0
Leuchars	ofom	omcm₀	om₀d₀d₀	od₀d₀r₀m	41	38	36	-	-	1	22·00	0·1
Eskdalemuir	bmcm₀y	czybcz₀	om₀	orrm₀	53	41	39	-	-	9	24·00	1·3
Tynemouth	ocf	coff	coff	omirif	48	44	36	-	-	1	24·00	•
Blacksod Point ...	cqro	r₀r	rc	cc	55	47	•	4	•	3	•	•
Donaghadee	bccm₀	com₀	crrir	cir	47	46	•	Tr.	17·30	7	<21·00	•
Birr Castle	cpr₀	cpr₀	cp₀r	cp₀r	54	48	46	2	<8·00	3	<21·00	0·0
Holyhead	cz₀	cm₀	ir₀ddₘ	d₀d₀m	52	46	45	-	-	4	<21·00	0·8
Liverpool (Bidston) ...	fbccy	ccy	yccz₀	cr₀	62	49	45	-	-	1	05·30	1·9
Chester (Sealand) ...	ofcz₀	cbcycz₀	c	o	64	50	48	-	-	-	-	2·0
Harrogate	oFfcf	cbcff	fbcc	becir₀	47	47	39	-	-	Tr	-	0·2
Spurn Head	oFcFfz	c	cbcc	bcc	42	39	•	-	-	-	-	1·2
Birmingham (Edgbaston)	Fbbc	cbc	bc	co	63	46	45	-	-	-	-	5·1
Cranwell	oFebcm₀	cz₀y	c	c	61	40	35	Tr.	-	-	-	2·5
Gorleston	Ffo	ffo	fcbcm₀	bbc	38	36	32	-	-	-	-	0·0
Valentia (Cahirciveen)	oir₀r₀err	crroirₙd	od₀r₀	coid₀lr₀	53	50	49	12	<8·00	5	<21·00	0·0
Roches Point	od₀d₀	od₀odd	odorr	orrc	50	47	•	2	<8·00	13	<21·00	•
Pembroke (St. Ann's H.)	bccm	ocp₀m	offiR	offiR	47	44	•	Tr.	16·30	7	22·00	0·2
Ross-on-Wye	bfcz	cybc	bcycc	co	64	47	39	-	-	-	-	5·1
Leafield	bbcy	bcy	bcc	ifo	63	44	40	-	-	Tr	-	5·6
Winchester (Worthy Dn.)	bxbcczy	czoy	cz₀om	ofefe	61	41	37	-	-	0·1	-	4·4
S. Farnborough ...	bfmbcz₀	cbcyz₀	bcyz₀	cm₀offid	67	43	32	-	-	Tr	05·30	5·2
London (Kew Obsy.) ...	bf	czoy	bm₀w	ow	63	40	27	-	-	Tr	-	2·7
Croydon	bffebczy	bcczoy	cyz₀b	codm₀	67	42	34	-	-	Tr	03·30	5·6
Shoeburyness	offbc	bcm₀	bcm₀	cm₀	52	33	26	-	-	-	-	3·5
Clacton-on-Sea ...	ffocm	cbcm	bcm	bcmom	43	40	33	-	-	-	-	1·0
Felixstowe	oF	ofm₀	cz	com₀	40	35	24	Tr.	-	-	-	0·6
Lympne	bzbcz₀y	bcczₒybc	o bcz₀	bcz₀oFF	57	38	28	-	-	Tr	-	7·7
Scilly (St. Mary's) ...	coif	cmodo	olfid	orr	52	50	•	Tr.	17·30	7	<21·00	0·0
Falmouth (Pendennis)	bcm₀oFc	coFm₀	oFd₀m₀	oFd₀m₀r	48	47	•	-	-	2	<21·00	0·0
Plymouth (Cattewater)	byc	com₀	om₀rr	om₀d	55	46	46	-	-	4	<21·00	4·4
Portland Bill	oFcm₀	cF	oFod₀m₀	oddmodₒy	49	43	•	-	-	Tr	21·00	•
Southampton (Calshot)	oFFe	cm₀	cm₀ofe	om₀	45	41	34	-	-	0·3	-	2·2
Dungeness	oFFbcf	bcz₀cz	cbcz	bcz₀oFF	49	35	•	-	-	-	-	•
Guernsey	bbc	bcz₀	bccom₀	om₀fe	54	45	•	-	-	0·1	-	8·0



Observations from Cross Channel Steamers

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	20th 10h	Cambria	SSW	4	c4	45	44	6
3	21st 2h	Arundel	N	1	f6-	44	43	4

GENERAL INFERENCE.

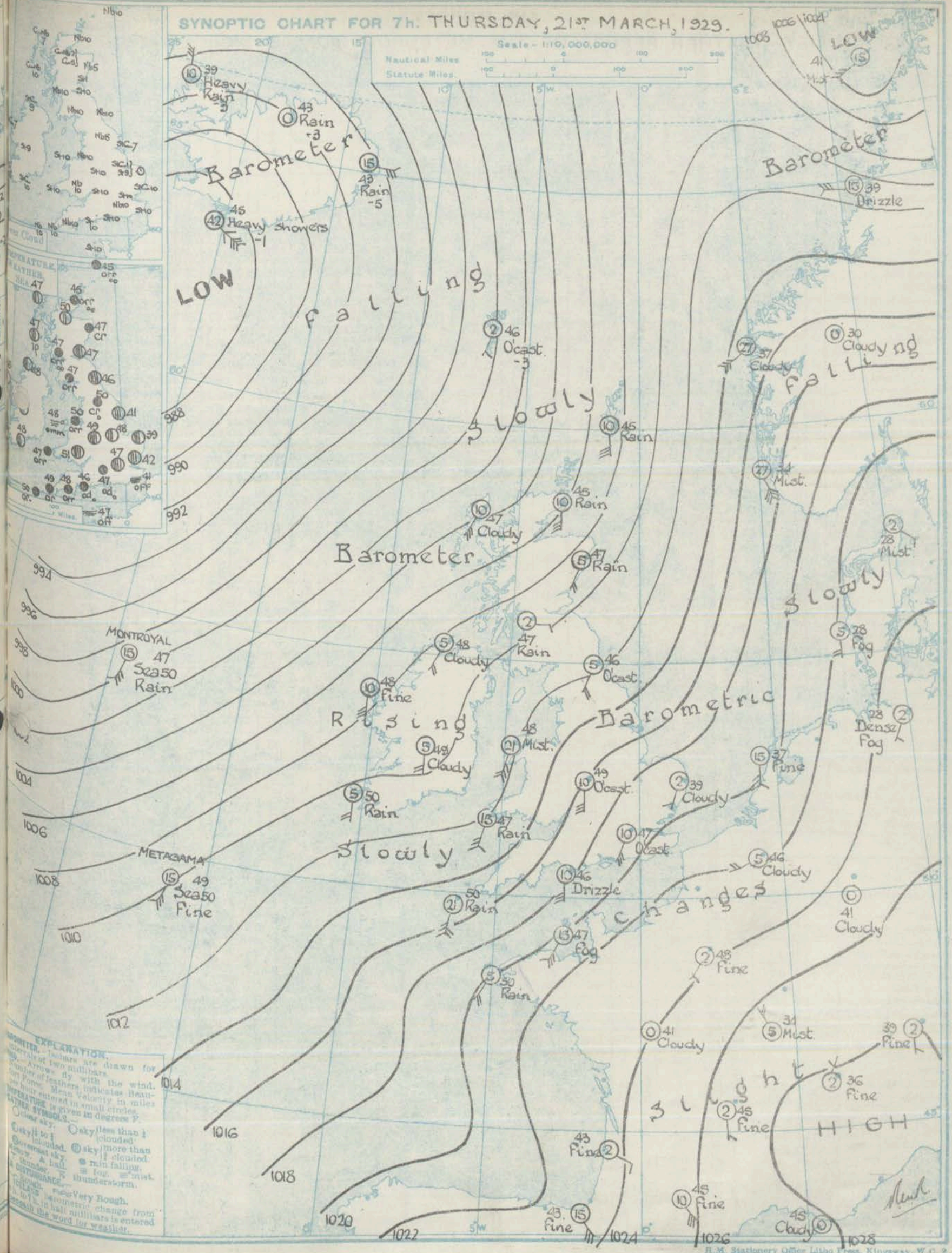
A depression centred south of Iceland is extending its influence over the British Isles. Weather will be generally mild and unsettled with some rain in most districts.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Thursday, 21st March, 1929.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Moderate southerly winds, fresh at times; dull, some rain or drizzle; mild.	Unsettled and mild.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Fresh southerly to southwesterly winds; dull, some rain or drizzle, at first; cloudy with brighter intervals but occasional showers later; mild.	
10. N.E. England 11. S.E. Scotland	As 1 - 3.	
12. S.W. Scotland & Isle of Man	As 4 - 9.	
13 A. W. Scotland B. N.W. Scotland 14. Mid-Scotland	Moderate to fresh southerly to southwesterly winds; cloudy with brighter intervals but occasional showers; mild.	
15. N.E. Scotland 16. Orkneys and Shetlands	As 4 - 9.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 13A. - 13B.	

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

† For code see page 1 ... = Trace = rain has fallen, but amount less than 0·1 mm.

SYNOPTIC CHART FOR 7h. THURSDAY, 21st MARCH, 1929.



EXPLANATION.

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

WIND.—Arrows fly with the wind. Number of feathers indicates Beaufort Force. Mean velocity in miles per hour entered in small circles.

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS.—

Clear sky. ○ sky less than ½ clouded. ◐ sky ½ to ¾ clouded. ● sky more than ¾ clouded. Overcast sky. ● rain falling. ≡ fog. ≡ mist. ⚡ thunder. ⚡ hail. ⚡ thunderstorm.

SEA DISTURBANCE.—Very Rough.

TENDENCY.—Numeric change from ½ h. ½ h. in half millibars is entered beneath the word for weather.

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION Thursday 21st March 1929. No. 80

Stations.	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1h. G.M.T. 21st)	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Barom. at M.S.L. mb. (7h. G.M.T. 21st)	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	54	1007.8	-2	S	3	c	44	92	6	1500	StCu	5	ASt	10	1006.3	-2	S	3	or₀r₀	45	92	6	1500	Nb	10	-	10	*
Stornoway	30	1005.4	-3	S	4	or₀r₀	*	*	6	*	*	*	*	10	1004.7	+2	SW	3	c	47	97	7	4000	CuNb	7	ACu	9	2
Wick	61	1006.9	-2	S	4	c	45	92	6	1500	St	6	ASt	10	1005.4	-1	S	3	or₀r₀	45	97	6	2500	Nb	10	-	10	3
Tiree	32	*	*	*	*	*	*	*	*	*	*	*	*	*	1006.7	+1	S	4	cjp	47	92	7	800	CuNb	10	-	10	4
Nairn	29	*	*	*	*	*	*	*	*	*	*	*	*	*	1006.2	*	-	0	bc	50	85	8	2500	Cu	7	-	7	*
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	1003.0	0	SSW	2	cr	47	92	6	1500	Nb	5	ACu	9	0
Malin Head	81	1007.1	+1	W	4	cd₀+	51	97	7	4000	Nb	6	ASt	10	1008.3	+2	SW	2	o/r	48	92	7	5700	StCu	9	ASt	10	0
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.9	-1	E	1	or₀r₀	47	97	4	800	Nb	10	-	10	*
Edinburgh (Inchkeith)	190	1012.3	-2	N	1	c/r	45	85	7	1500	St	9	ACu	10	1009.0	-1	SSW	1	o/r	47	92	7	1500	St	10	-	10	0
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.3	-2	SE	1	cd₀	43	97	4	800	St	10	-	10	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.8	-2	SSW	5	orr	47	97	6	450	Nb	10	-	10	*
Tynemouth	67	1014.3	-2	SW	2	fo-	47	85	3	1500	Nb	10	-	10	1011.7	-1	SSW	2	o/r	46	85	6	1500	Nb	10	-	10	1
Blacksod Point	18	1006.4	+2	W	4	c	50	92	7	*	CuNb	9	-	9	1007.8	+1	S	3	bc-	48 (49)	92	7	*	StCu	7	-	7	2
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.3	-1	S	3	cr	47	92	7	2500	Nb	9	-	9	3
Birr Castle	178	*	*	* (E)	*	*	*	*	*	*	*	*	*	*	1008.9	*	S	2	c/pr	49	97	6	800	St	9	-	9	*
Holyhead	33	1012.9	-3	SSW (E)	5	od+	48	97	5	600	Nb	10	-	10	1011.1	-1	S'W	5	mmo	48	97	4	220	St	10	-	10	*
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.9	-1	SSE	3	orr	50	92	8	2500	Nb	10	-	10	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.7	-1	SE	3	c	51	85	7	1500	St	5	ASt	10	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.2	-1	S	1	cr₀	50	92	5	2500	Nb	8	ASt	9	*
Spurn Head	29	1016.2	-1	S'W	3	c	41	92	6	4000	StCu	9	ASt	10	1014.7	0	SW'S	3	c	41	92	5	4000	StCu	7	ACu	10	1
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1015.7	-1	S	3	o	49	97	6	1500	St	10	-	10	*
Cranwell	236	1018.3	-2	S	2	c	47	75	6	5700	StCu	3	ASt	10	1016.5	-2	SW'S	3	c	48	92	6	450	St	10	-	10	*
Gorleston	14	1020.0	-1	SW'W	4	bc⦶	40	85	6	-	-	0	CiSt	4	1018.2	-1	SSW	1	c	39	92	5	-	-	0	ACu	8	0
Valentia (Cahirciveen) P	30	1010.2	+3	S	3	c/r	51	92	8	-	CuNb	10	-	10	1010.2	+1	S	2	or₀	50	92	7	450	St	10	-	10	3
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.6	-1	SW	2	c	48	97	6	1500	StCu	10	-	10	4
Pembroke (St. Ann's H.)	160	1014.3	-2	S	3	FFo	47	97	0	220	St	10	-	10	1012.0	-1	SSW	4	orr	47	97	1	220	St	10	-	10	4
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1015.8	-1	SSW	3	o	51	92	6	2500	Nb	10	-	10	*
Leafield	512	*	*	*	*	*	*	*	*	*	*	*	*	*	1016.8	-1	S'W	4	o	47	97	6	220	St	10	-	10	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.7	-1	S'E	3	FFo	47	97	1	<150	St	10	-	10	*
S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.7	-1	S'W	3	od₀	47	97	2	220	Nb	10	-	10	*
London (Kew Obsy.)	18	*	*	*	*	*	43	*	*	*	*	*	*	*	1018.8	-1	SSW	3	o	47	97	6	2500	St	10	-	10	*
Croydon	244	1020.4	0	SW	3	c+	46	75	6	4000	StCu	9	-	9	1019.1	-1	SSW	4	mmo	46	97	4	220	St	10	-	10	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1019.5	0	SW	3	c	44	85	5	2500	StCu	10	-	10	1
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*	1019.5	0	SW	3	c	42	92	6	5700	StCu	10	-	10	0
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.6	0	SW	1	o	41	92	5	450	St	10	-	10	*
Lympne	350	1020.7	0	W'S	3	bc	41	76	5	-	-	0	CiSt	4	1020.7	+1	SSW	3	FFo	41	97	1	<150	St	10	-	10	*
Scilly (St. Mary's)	163	1016.1	0	SSW	5	cd₀	51	97	4	2500	StCu	10	-	10	1014.3	-2	S'W	5	or-	50	97	6	2500	Nb	10	-	10	1
Falmouth (Pendennis)	200	1017.4	-1	SSW	4	od₀	50	97	5	1500	St	10	-	10	1016.0	-1	SSW	4	or	49	97	5	1500	Nb	10	-	10	1
Plymouth (Cattewater)	83	*	*	*	*	*	*	*	*	*	*	*	*	*	1017.6	0	S	4	orr	48	97	5	<150	Nb	10	-	10	0
Portland Bill	32	1019.1	-1	S	3	od₀	45	97	5	800	St	10	-	10	1017.6	0	S	3	od₀	46	97	5	1500	St	10	-	10	2
Southampton (Calshot)	10	1020.4	-1	SSW	2	o/f	43	97	6	600	St	10	-	10	1019.3	-2	SW	4	o	46	97	6	450	St	10	-	10	5
Dungeness	20	1020.2	0	SW	1	bc-	40	97	6	-	-	0	CiSt	4	1020.3	0	SW	1	FFo	41	97	1	<150	St	10	-	10	
Guernsey (Fort George) P	205	1021.8	-1	S	3	c+	49	85	6	2500	StCu	10	-	10	1020.1	0	SW	4	ffo	47	97	3	220	St	10	-	10	

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

Stations. (1)	Weather Forenoon (2)	Weather Afternoon (3)	Temperature Min. 9h.-19th to 9h. 20th (4) °F	Temperature Max. 9h.-17h. 20th (5) °F	Rainfall† Night 17h.-9h. 19th-20th (6) mm.	Rainfall† Day 9h.-17h. 20th (7) mm.	Sunshine Sunrise to 17h. 20 (8) hr.	Sunshine Sunrise to Sunset 19th (9) hr.
Berwick-on-Tweed	c	c	29	47	-	-	2.7	0.0
Douglas (I. o. M.)	xo	of	36	48	-	-	0.0	3.6
Llandudno	c	bcc	38	66	-	-	2.7	8.9
Colwyn Bay	bccb	bcc	43	66	-	-	1.8	9.4
Rhyl	bc	bc	40	66	-	-	3.4	8.7
Wallasey	bczc	cbc	33	63	-	-	1.5	5.7
Southport	becbco	abcz	*36	62	-	-	1.2	6.9
Blackpool	moc	cm	33	63	-	-	0.6	7.6
Ilkley	ofec	c	32	45	-	-	0.0	0.0
Cleethorpes	fo	bc	30	56	Trace	-	2.3	0.0
Skegness	fejh	bbc	31	44	Trace	-	3.5	0.0
Aberystwyth	zcbc	bcc	44	59	-	-	4.1	10.5
Bath	bbcc	cbc	32	65	-	-	6.3	8.0
Cheltenham‖	byc	cbbcy	37	64	-	-	6.4	6.2
Leamington Spa	bmbc	cb	29	65	-	-	3.7	4.5
Lowestoft	cjbc	bcbcj	31	38	-	-	2.0	0.0
Harwich & Dovercourt	ocf	ocjbcm	32	41	Trace	-	0.7	0.0
Maldon	fob	bbc	31	50	Trace	-	2.0	0.0
Southend	of	bm	32	55	0.2	-	3.6	0.0

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	bbcc	c	43	60	-	-	3.4	10.3
Penzance	om	om	44	50	-	-	0.0	9.0
Paignton	wbcm	bccz	32	55	-	-	5.5	9.2
Torquay	bmbc	cm	35	56	-	-	6.2	9.8
Jersey	b	bc	41	58	-	-	8.3	10.7
Weymouth	mbbc	bcbmf	35	51	-	-	6.2	10.3
Bournemouth	bbc	bc	29	54	-	-	6.5	10.3
Ventnor	bz	bz	42	55	-	-	7.2	10.5
Portsmouth (S'thsea)	fbc	cbc	34	53	-	-	2.2	9.5
Bognor	mbcb	bc	33	49	-	-	3.9	9.8
Littlehampton	bbc	bc	30	53	-	-	6.3	10.4
Worthing	b	bcc	32	53	-	-	6.7	9.9
Brighton	b	bbcb	34	53	-	-	7.4	10.1
Eastbourne‡	bbc	bccw	33	48	Trace	-	4.0	10.0
Hastings‡	bmb	bbcc	34	55	Trace	-	7.7	10.5
Folkestone	xbcf	bmcm	30	58	-	-	6.6	9.3
Dover	fcbm	mbbcc	30	50	-	-	6.6	5.7
Tunbridge Wells	b	bbc	30	67	-	-	7.6	9.0
Ramsgate	ocfm	cm	32	50	0.1	-	4.5	0.0
Margate	mbc	mbc	31	60	Trace	-	5.8	0.0
Deal	fobc	bbc	33	58	-	-	3.7	0.0

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

* Information not usually received. P The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. § For code see page 1. †‡ See footnote page 1.

‖ At stations marked thus the maximum temperature is for the period 9h.-17h., the minimum for the period 21h.-9h. ⦶ 12h.-9h.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.24592. FRIDAY, 22nd MARCH 1929.

Observations at 13h. G.M.T. 21st

STATIONS (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1006.5	0	S	2	odd	46	97	3	220	St	10	-	10	•
Stornoway	1006.6	+2	SW	3	c	52	85	7	4000	CuNb	9	-	9	•
Wick	1007.1	+2	S	2	cr_0	47	97	8	2500	CuNb	10	-	10	•
Tiree	1008.6	0	SSW	3	o	51	92	7	1500	St	10	-	10	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1008.6	0	SSW	2	c/r	52	92	6	1500	Nb	1	aCu	9	1
Malin Head	1009.5	+1	SW	2	c	52	85	7	4000	StCu	9	-	9	•
Renfrew	1009.7	+1	W	1	oDD	50	97	5	450	Nb	10	-	10	1
Edinburgh (Inchkeith)	1009.2	-1	·	0	or_0	50	97	7	800	St	10	-	10	•
Leuchars	1009.2	-1	SW	3	cd_0	52	92	6	1500	Nb	6	aSt	10	1
Eskdalemuir	1010.7	0	SSW	4	od_0d_0	46	97	5	220	St	10	-	10	2
Tynemouth	1011.5	0	S	2	orr	51	92	4	1500	Nb	10	-	10	•
Blacksod Point	1009.2	+1	S	3	bc	53	85	8	•	Cu	3	-	3	•
Donaghadee	1010.2	+1	WNW	1	cr_0	53	85	6	2500	Nb	8	-	8	•
Birr Castle	1009.8	•	S	2	c/pr_0	50	92	6	1500	CuNb	9	-	9	•
Holyhead	1011.0	-1	SSW	4	od_0+	48	97	3	220	Nb	10	-	10	1
Liverpool (Bidston)	1012.4	0	S	3	o/pr_0	53	92	5	1500	Nb	10	-	10	1
Chester (Sealand)	1012.5	-1	S'E	4	or_0	55	85	6	1500	St [corrected in red]	10	-	10	1
Harrogate	1012.9	0	SSW	3	crr	52	92	5	2500	Nb	9	aSt	10	•
Spurn Head	1014.9	0	WSW	3	c	49	92	6	4000	CuNb	8	aSt	10	•
Birmingham (Edgbaston)	1015.5	0	S	4	cr_0	53	92	6	2500	Nb	4	aSt	9	1
Cranwell	1016.1	-1	SW	4	crr	53	92	6	1500	Nb	10	-	10	1
Gorleston	1017.5	-1	SWW	4	c+	57	85	6	2500	St	8	-	8	•
Valentia (Cahirciveen)	1011.1	+1	SWS	3	bc	55	85	8	2500	StCu	3	aCu	4	1
Roches Point	1012.3	+2	SW	3	c	51	92	7	1500	CuNb	9	-	9	•
Pembroke (St. Ann's H.)	1012.7	0	SSW	3	or_0r_0	47	97	?	<150	St	10	-	10	1
Ross-on-Wye	1015.5	-1	SSW	4	od_0	55	85	7	2500	Nb	10	-	10	1
Leafield	1016.7	-1	S'W	4	c	53	92	8	1500	StCu	10	-	10	1
Winchester (Worthy Dn.)	1018.9	-1	S	3	or_0	50	97	6	450	St	10	-	10	5
S. Farnborough	1018.2	-2	SW	4	c-	57	75	6	1500	St	9	-	9	0
London (Kew Obsy.)	1018.9	-1	SSW	4	c	55	85	6	1500	St	8	aSt	10	1
Croydon	1018.8	-2	SWS	4	c	57	75	6	800	StCu	9	-	9	1
Shoeburyness	1019.2	0	SSW	4	bc-	56	85	7	-	-	0	aCu	7	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1019.5	-1	SSW	3	o	47	85	5	800	St	10	-	10	0
Lympne	1020.3	-1	SWS	4	o	48	97	5	450	St	10	-	10	0
Scilly (St. Mary's)	1014.3	0	SWS	4	orr	51	97	5	1500	St	10	-	10	•
Falmouth (Pendennis)	1015.7	0	SSW	4	orr	50	97	5	1500	Nb	10	-	10	•
Plymouth (Cattewater)	1017.2	-1	SSW	3	odd	48	97	3	<150	St	10	-	10	1
Portland Bill	1018.2	0	S	3	o	47	92	5	1500	St	10	-	10	•
Southampton (Calshot)	1019.3	-1	SW	5	c	51	85	6	1500	St	8	aSt	10	0
Dungeness	1020.3	0	SW	1	c-	47	85	6	800	St	4	CiSt	8	•
Guernsey (Fort George)	1020.0	-1	SSW	5	cr_0	49	97	7	1500	St	7	aSt	10	•

Observations at 18h. G.M.T. 21st

STATIONS	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1006.9	+1	SW	1	c/r	47	97	6	220	St	4	aSt	10	•
Stornoway	1007.2	+1	SW	3	c	48	92	7	4000	CuNb	8	-	8	2
Wick	1007.6	0	SE	2	c	47	97	8	1500	CuNb	6	aSt	10	0
Tiree	1007.7	0	SW'S	3	bc	49	92	8	1500	St	2	aCu	7	4
Nairn	1007.8	•	W	2 [corrected in red]	c	52	75	8	2500	CuNb	8	-	8	•
Aberdeen	1005.8	+1	S	1	cr_0	50	97	4	1500	Nb	5	aSt	10	0
Malin Head	1009.3	0	SE	1	c	48	92	8	4000	Cu	8	-	8	2
Renfrew	1009.7	+1	SW	1	od_0	51	97	4	2500	Nb	10	-	10	•
Edinburgh (Inchkeith)	1008.8	0	WSW	1	mmo	49	97	4	450	St	10	-	10	0
Leuchars	1008.9	+1	-	0	mc	50	97	4	450	St	8	aCu	9	
Eskdalemuir	1010.4	0	S'W	2	$cdbd_0$	44	97	4 [corrected in red]	<150	St	7	aSt	10	•
Tynemouth	1010.3	0	S	1	orr	51	92	4	1500	Nb	10	-	10	1
Blacksod Point	1008.6	0	S	4	bc	50	85	8	•	Cu	4	-	4	4
Donaghadee	1011.0	+1	S	2	c-	48	82	7	4000	StCu	8	-	8	2
Birr Castle	1009.7	•	S	2	bc-	53	85	7	2500	Cu	4	Ci	7	•
Holyhead	1011.7	+1	SW	3	od	47	97	3	220	Nb	10	-	10	1
Liverpool (Bidston)	1012.3	0	SW	3	c/r	52	85	8	2500	Nb	10	-	10	•
Chester (Sealand)	1012.2	0	S'E	2	bc-	54	85	6	2500	StCu	3 [corrected in red]	aSt	5 [corrected in red]	•
Harrogate	1012.3	-1	SSW	3	cr-	52	92	5	2500	Nb	9	aSt	10	•
Spurn Head	1014.1	0	SWS	3	c	49	92	6	5700	StCu	8	CiSt	10	1
Birmingham (Edgbaston)	1014.9	0	S	4	or_0r_0	53	97	7	800	Nb	10	-	10	•
Cranwell	1015.6	-1	SW'S	4	cr_0	56	85	7	1500	St	5	aSt	10	•
Gorleston	1017.6	+1	S'W	3	c	53	85	5	2500	St	10	-	10	0
Valentia (Cahirciveen)	1011.3	+1	S'W	4	bc	52	85	8	1500	StCu	5	aCu	6	3
Roches Point	1012.9	+1	SW	3	bc	53	85	8	2500	StCu	3	-	3	4
Pembroke (St. Ann's H.)	1013.5	+1	SW'S	2	FFo	46	97	1	220	St	10	-	10	2
Ross-on-Wye	1015.0	0	SSW	3	od	51	92	6	1500	Nb	10	-	10	•
Leafield	1016.2	0	S'W	4	or_0	51	97	6	450	Nb	10	-	10	•
Winchester (Worthy Dn.)	1018.5	0	SSE	3	or_0	49	92	6	450	St	10	-	10	
S. Farnborough	1018.6	0	S	2	or_0r_0	52	85	6	1500	Nb	10	-	10	•
London (Kew Obsy.)	1018.7	+2	SSW	3	cr_0	53	85	5	1500	Nb	8	aSt	10	•
Croydon	1018.9	+1	SSW	3	or_0r_0	53	85	6	800	Nb	10	-	10	•
Shoeburyness	1019.2	+1	SSW	1	c+	51	97	6	5700	StCu	8	-	8	•
Clacton-on-Sea	1018.7	0	SSW	4	c	46	92	6	5700	StCu	8	-	8	2
Felixstowe	1018.9	+1	S'W	3	c	44	92	5	5700	StCu	9	aCu	10	1
Lympne	1020.5	0	SSW	3	c	47	97	5	4000	StCu	10	-	10	•
Scilly (St. Mary's)	1015.1	+1	WSW	3	c	49	97	6	4000	StCu	9	-	9	2
Falmouth (Pendennis)	1015.3	0	SW'S	3	od_0d_0	50	97	6	2500	Nb	10	-	10	1
Plymouth (Cattewater)	1016.0	-1	SSW	4	or_0r_0	47	97	4	<150	St	10	-	10	2
Portland Bill	1016.9	-1	S	4	or_0r_0	46	97	5	1500	Nb	10	-	10	1
Southampton (Calshot)	1018.9	0	SW	3	or_0	49	85	6	1500	St	10	-	10	0
Dungeness	1020.3	+1	SW	1	c	45	92	6	800 [4000 struck out]	St	10	-	10	1
Guernsey (Fort George)	1019.4	-1	SSW	4	cr_0	51	92	7	2500	StCu	6	aSt	10	4

LONDON OBSERVATIONS. Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.

Station	Heights above M.S.L. in feet	Weather Morning (24 hours ended 9h)	Weather Afternoon	Weather Night	Temp. Max. Day °F.	Temp. Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day	Visibility 9h
Kew	18	$owcz_0$	or_0m_0	cm_0	59	50	48	Tr	0.2	0.0	•	•	5
Croydon	264	omd, cz	cz_0r_0	or, bcrd	58	49	45	Tr	0.6	0.3	•	•	6
Greenwich (Royal Obsy.)	149	c	cd_0	cd, Ocrd	63	49	41	Tr	0.5	0.4	71	92	+
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.2	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	59	50	42	-	-	0.4	70	89	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	0.3	•	•	•
Camden Square	110	c	c	•	60	50	•	-	0.3	•	•	90	•
Kensington Palace	80	o	o	•	59	50	42	-	0.6	•	(At 18h 87.)	93	•
Hampstead Observatory	450	•	•	•	58	46	42	0.3	0.5	0.2	•	98	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 22nd.

South Kensington			
Max.	Time.	Min.	Time.
0.6	21st 20h	<0.3	22nd 2-6h

Kew Observatory			
Max.	Time.	Min.	Time.
0.3	21st 8h	<0.1	22nd 3-4h

POLE STAR RECORD at Greenwich Obsy.

Exposure from 21st 19 h. 15 m. to 22nd 05 h. 0 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	9-45	01 36	16
δ Ursae Minoris	9-45	Nil	-

CODE FOR STATE OF GROUND.

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 15h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET. 22nd - 23rd MARCH, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5 54 5-52	12-0 12-0	18-7 18-9
Greenwich	6-1 5-59	12-7 12-7	18-14 18-16
Wick	6-12 6-10	12-19 12-19	18-28 18-30
Valentia	6-42 6-40	12-48 12-48	18-55 18-57

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♅ = lunar halo.
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; — = has decreased; + = has increased.

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

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

SEA DISTURBANCE.

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

§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

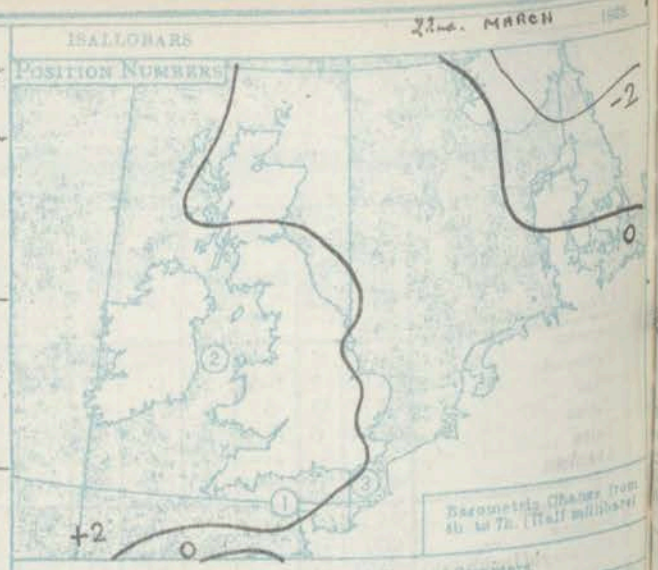
	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-18h. 21st	18h.-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.	began.	Night. 18h.-7h. mm.	began.	Sun 21st Hours.
Lerwick	oddff	fidirom	cm	cbcc	48	44	•	1	<8·00	—	-	0·0
Stornoway	c	c	c	cfrbc	53	43	•	-	-	4	02·30	2·6
Wick	cir	cir	rrbc	c	48	41	•	2	<8·00	2	<21·00	•
Tiree	coc	cbcc	bcb	prbc	52	40	36	1	14·30	0·3	03·30	0·7
Nairn	bcc	c	cpbcc	bc	56	36	•	-	-	Tr	<21·00	0·0
Aberdeen	crrzcz	czcmir	cirirmc	cb	54	37	30	2	<8·00	1	<21·00	0·0
Malin Head	c	cbcc	circbc	bcb	55	41	•	-	-	2	<21·00	1·6
Renfrew	omrrr	ordom	odcm	cpm	52	42	36	7	<8·00	0·2	<21·00	0·0
Edinburgh (Inchkeith)	crm	orffmm	ommm	bcw	51	42	31	2	9·00	Tr	-	0·0
Leuchars	dr oid	cid	cmbir	cbcb	53	42	37	0·4	<8·00	Tr	22·00	0·0
Eskdalemuir	oddm	odcdm	odcdm	omcrm	48	41	41	7	<8·00	2	<21·00	0·0
Tynemouth	oim	orrm	oirmbcc	cbc	53	44	35	10	<8·00	1	<21·00	•
Blackrod Point ...	bc	bc	bc	bcq	54	46	•	—	•	—	•	•
Donaghadee	irir	circ	bcpr	pbc	53	40	•	6	<8·00	0·4	<21·00	•
Birr Castle	cpr	c	bc	cbc	55	39	32	2	<8·00	-	-	1·5
Holyhead	idfrd	idfefe	dfefem	om	49	44	44	4	<8·00	0·2	<21·00	0·0
Liverpool (Bidston) ...	cmrr	orrc	cpr	cbcb	53	44	37	4	<8·00	0·3	<21·00	0·0
Chester (Sealand) ...	rm	rrcm	cm	cmbc	55	43	37	1	9·00	—	-	0·0
Harrogate	crr	crr	rcbc	bcc	54	45	43	12	<8·00	0·2	<21·00	0·1
Spurn Head	cpr	c	cobr	cprpdc	52	43	•	Tr.	11·00	0·5	22·00	0·1
Birmingham (Edgbaston)	cr	cr	orrr	orbc	56	44	42	0·6	11·00	2	<21·00	0·0
Cranwell	rcr	cpc	circ	crc	58	46	44	0·4	<8·00	1	<21·00	0·1
Gorleston	cycm	cmom	cmp	cr	60	41	41	-	-	0·1	<21·00	4·0
Valentia (Cahirciveen)	circrbc	bc	bcop	bccp	59	44	41	3	<8·00	1	22·00	7·0
Roches Point	corrc	bc	bbccw	cbcw	54	44	•	1	9·00	Tr	-	•
Pembroke (St. Ann's H.)	offrr	off	ofrbcm	coff	48	44	•	2	<8·00	0·2	<21·00	0·0
Ross-on-Wye	oid	dir	rdoc	bbcm	55	43	33	1	9·00	1	<21·00	0·0
Leafield	fro	cir	odd	o	57	45	43	0·1	11·00	1	<21·00	0·0
Winchester (Worthy Dn.)	ommr	omir	omrd	offrd	51	46	42	0·1	11·00	1	<21·00	0·0
S. Farnborough ...	odfmcm	cdar	oriem	oirrom	57	48	47	Tr.	<8·00	1	<21·00	0·1
London (Kew Obsy.) ...	owcz	crm	cm	cm	59	50	48	Tr.	17·30	0·2	<21·00	0·0
Croydon	omdcz	czrr	orrcz	bczprd	58	49	45	Tr.	<8·00	0·6	<21·00	0·3
Shoeburyness	ombc	bccm	cm	cm	59	45	43	-	-	—	-	1·1
Clacton-on-Sea ...	om	omcz	czpd	cpdo	47	40	40	-	-	0·2	22·00	0·4
Felixstowe	odzo	ocrzo	c	crm	49	40	39	Tr.	11·00	Tr	03·30	0·6
Lympne	ofmm	ocm	crbcm	ccrm	52	45	42	-	-	0·1	<21·00	0·1
Scilly (St. Mary's) ...	orffm	omrc	bccm	coffb	52	46	•	1	<8·00	-	-	0·0
Falmouth (Pendennis)	Fomb	omrdo	odcm	cmr	51	46	•	1	<8·00	1	<21·00	0·0
Plymouth (Cattewater)	offrrdd	offddrr	omrrff	odbc	50	45	35	7	<8·00	4	<21·00	0·-
Portland Bill	oidom	orrom	orroF	oF	48	45	•	0·4	<8·00	2	<21·00	•
Southampton (Calshot)		comor	crr	crodd	52	45	45	Tr.	16·30	3	<21·00	0·0
Dungeness	oFm	cmm	czcz	cmirc	48	42	•	-	-	0·2	03·30	•
Guernsey	ofcmirq	cir	cirO	omfe	51	40	•	Tr.	9·00	1	<21·00	0·0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	21st 10h.	Cambria	S	3	od	48	46	5
1	21st 10h.	St Julien	S	5	ifo	49	47	6
3	22nd 2h.	? Brighton	SW	2	c	47	45	7

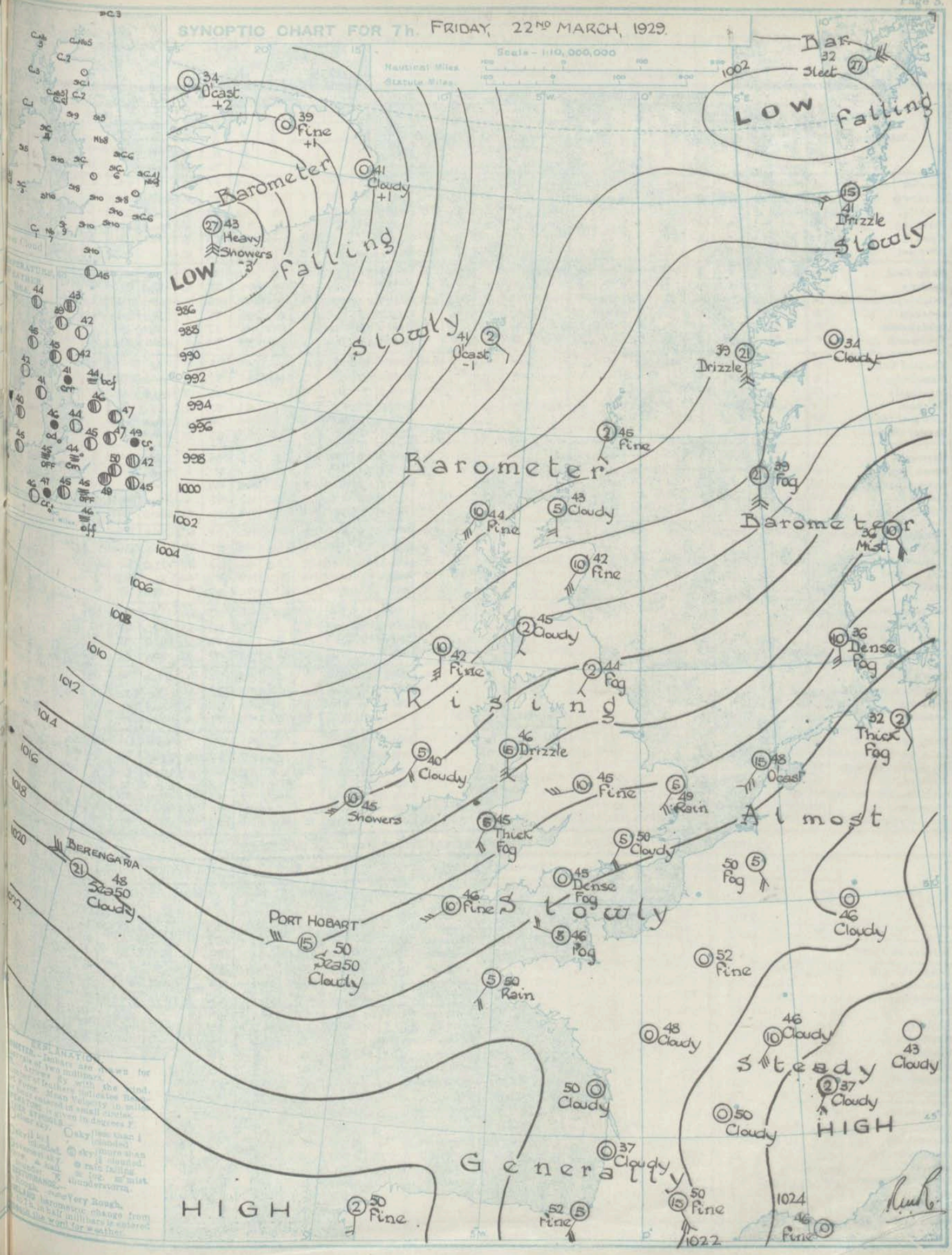
GENERAL INFERENCE.

A large depression remains centred southwest of Iceland. Weather over the British Isles will be mild with considerable bright periods in most districts but local showers.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Friday, 22nd March, 1929.	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. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotland, B. N.W. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	All Districts. Moderate southerly to southwesterly winds; cloudy and bright periods; local showers; mild.	Mild; bright periods, local showers. WTP

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

† For code see Page 1 — "Tr" rain has fallen, but amount less than 0·1 mm.


SYNOPTIC CHART FOR 7h. FRIDAY, 22ND MARCH, 1929.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Bar.
32
Sleet
1002
LOW
falling
34
O'cast.
+2
39
Fine
+1
41
Cloudy
+1
Barometer
43
Heavy
Showers
-3
LOW
falling
Slowly
986
988
990
992
994
996
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
41
O'cast.
-1
15
41
Drizzle
Slowly
39
Drizzle
34
Cloudy
45
Fine
Barometer
39
Fog
44
Fine
43
Cloudy
Barometer
36
Mist.
42
Fine
45
Cloudy
42
Fine
36
Dense
Fog
44
Fog
Rising
32
Thick
Fog
40
Cloudy
46
Drizzle
48
O'cast
45
Showers
45
Fine
49
Rain
Almost
45
Thick
Fog
50
Cloudy
BERENGARIA
48
Sea50
Cloudy
50
Fog
45
Dense
Fog
46
Fine
Slowly
PORT HOBART
50
Sea50
Cloudy
46
Fog
46
Cloudy
52
Fine
50
Rain
48
Cloudy
46
Cloudy
43
Cloudy
steady
37
Cloudy
50
Cloudy
50
Cloudy
HIGH
37
Cloudy
Generally
HIGH
50
Fine
52
Fine
50
Fine
1022
1024
46
Fine

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. FRIDAY . 22nd MARCH 1929. No. 81

Stations.	Height above M.S.L. in feet.	1h. Barom. at M.S.L. mb.	1h. Change in 3 Hours‡	1h. Wind Direc.	1h. Wind Force 0-12	1h. Weather.	1h. Temp. °F.	1h. Humidity. %	1h. Visibility.§ 0-9	1h. Low Cloud Height Feet	1h. Low Cloud Form	1h. Low Cloud Amt. 0-10	1h. Upper Form.	1h. Total Amt. 0-10	7h. Barom. at M.S.L. mb.	7h. Change in 3 Hours‡	7h. Wind Direc.	7h. Wind Force 0-12	7h. Weather.	7h. Temp. °F.	7h. Humidity. %	7h. Visibility.§ 0-9	7h. Low Cloud Height Feet	7h. Low Cloud Form	7h. Low Cloud Amt. 0-10	7h. Upper Form.	7h. Total Amt. 0-10	Sea. 0-9
Observations at 1h. G.M.T. 22nd / Observations at 7h. G.M.T. 22nd																												
Lerwick	54	1007.4	0	–	0	c	45	97	7	1500	StCu	5	ASt	10	1007.7	+1	S'W	1	bc	45	97	8	1500	StCu	3	ASt	6	•
Stornoway	30	1007.7	0	SW	3	c	•	•	6	•	•	•	•	10	1006.7	+2	SW	3	bc/r	44	97	8	4000	CuNb	3	–	3	2
Wick	81	1008.2	0	S	1	bc	43	97	7	1500	St	2	ACu	5	1008.9	0	S	2	b	43	97	8	1500	CuNb	5	CiSt	8	0
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1009.5	+1	S'W	4	bc	45	92	8	1500	Cu	3	–	3	4
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1009.4	•	–	0	bc-	39	85	8	2500	Cu	2	ACu	5	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	1011.1	+1	SW	3	b	42	92	8	–	–	0	ACu	1	0
Malin Head	81	1010.1	0	S	3	bcjp	45	92	8	4000	CuNb	1	ACu	7	1011.3	+2	S	3	b	42	97	8	4000	Cu	1	ACu	1	2
Renfrew	20	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.4	+2	SSW	1	c	45	92	6	800	Cu	9	–	9	•
Edinburgh (Inchkeith)	180	1010.5	+2	WSW	3	bc	45	92	7	4000	Cu	3	ACu	5	1011.9	+2	WSW	2	bc	42	85	8	4000	Cu	2	ACu	3	0
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	1011.7	+4	W	2	b-	43	92	7	2500	StCu	1	ACu	2	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1014.0	+2	SSW	4	crr	41	97	6	<150	St	9	–	9	•
Tynemouth	67	1011.9	+1	WSW	2	c	50	85	6	1600	Nb	8	–	8	1014.1	+2	SW	1	fo	44	92	3	1500	St	3	ACu	4	0
Blacksod Point	18	1009.3	+1	S	4	bc	48	85	7	•	CuNb	4	•	4	1010.1	+1	S	4	bc	47	75	8	•	CuNb	4	–	4	2
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1014.0	+2	SW	2	bc-	41	97	8	4000	StCu	4	ACu	6	2
Birr Castle	178	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.9	•	SW	2	c+	40	92	7	1500	St.	5	ACu	8	•
Holyhead	26	1013.7	+1	SSW	4	o	46	97	5	800	St	10	–	10	1015.2	+2	S	4	od₀	46	97	5	220	St	10	–	10	1
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.3	+3	SW'S	3	b	44	75	8	2500	StCu	1	CiCu	1	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.1	+2	S	1	bc-	44	85	8	5700	StCu	1	ASt	4	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	1015.9	+2	SW	3	c	46	85	7	2500	Nb	8	CiSt	9	•
Spurn Head	30	1014.5	0	SW	3	o/pr₀	46	97	6	4000	Nb	10	-	10	1015.7	+1	W	3	c-	47	97	6	4000	StCu	6	~~CiSt~~ ACu	8	1
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.8	+2	WSW	3	bc-	45	92	8	–	–	0	ACu	3	•
Cranwell	236	1015.6	0	SW'S	4	c	51	92	6	1500	StCu	10	–	10	1017.2	+3	W'S	3	c-	47	97	6	5700	StCu	6	Ci	8	•
Gorleston	14	1017.8	0	SW'S	3	c	48	92	6	2500	Nb	10	–	10	1018.0	0	SW	2	or₀	49	92	5	2500	Nb	10	–	10	0
Valentia (Cahirciveen) P	30	1013.8	+1	(~~SSW~~) E	2	b-	48	91	9	–	-	0	—	0	1014.6	+2	SW	3	bc/pr₀	45	86	8	2500	StCu	5	-	5	4
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.1	+3	W	3	bc	45	97	8	2500	StCu	3	-	3	4
Pembroke (St. Ann's H.)	160	1014.6	+1	WSW	3	c+	45	97	6	800	StCu	9	-	9	1016.5	+2	SW'S	2	FFo	45	97	1	220	St	10	-	10	2
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.1	+2	WSW	1	ifc	44	97	4	800	St	8	-	8	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.1	+2	SW	2	mmo	45	97	4	<150	St	10	-	10	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.6	+1	S'E	1	od₀	46	97	2	<150	St	10	-	10	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.3	+2	SW	1	o	49	97	6	800	St	10	-	10	•
London (Kew Obsy.)	18	•	•	•	•	•	52	•	•	•	•	•	•	•	1018.5	+3	SW'S	2	c	50	92	5	1500	St	8	ASt	10	•
Croydon	244	1018.2	-1	S'W	4	bc-	51	92	6	5700	StCu	5	CiSt	7	1018.6	+2	SW	2	cd₀d₀	49	97	6	800	St	9	ASt	10	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.5	0	SW	2	c	47	92	6	5700	StCu	10	-	10	•
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.8	+1	SSE	3	c	42	97	6	–	–	0	ASt	10	2
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.8	0	S'W	2	c	43	92	6	2500	StCu	10	-	10	1
Lympne	350	1019.5	-1	SSW	3	c	46	97	6	5700	StCu	2	CiSt	9	1019.2	+1	SSW	2	c	46	97	6	5700	StCu	10	-	10	•
Scilly (St. Mary's)	163	1016.5	0	SW	3	c+	48	97	5	1500	St	6	CiSt	10	1018.4	+2	SW'W	3	b	46	97	7	4000	Cu	1	-	1	1
Falmouth (Pendennis)	200	1016.9	+1	WSW	2	c-	48	97	6	4000	StCu	8	–	8	1018.6	+2	SW	2	cr₀+	47	97	6	2500	Nb	7	ASt	10	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1019.2	+3	–	0	c+	45	97	8	1500	St	9	~~CiSt~~ (CiCu)	9	0
Portland Bill	32	1016.9	0	SSW	2	FFo	45	97	1	450	St	10	-	10	1018.5	+2	–	0	FFo	45	97	0	<150	St	10	-	10	2
Southampton (Calshot)	10	1018.0	-1	SW	4	or₀r₀	48	92	8	800	St	10	-	10	1019.1	+3	WSW	2	od₀d₀	45	97	4	450	St	10	-	10	0
Dungeness	20	1019.4	-1	SSW	2	co	45	97	6	–	–	0	CiCu	10	1019.0	+2	SSW	1	c	45	97	6	4000	StCu	6	CiSt	10	2
Guernsey (Fort George) P	295	1019.2	0	SSW	3	odd	49	92	6	1500	Nb	10	-	10	1020.1	+2	W'N	2	ffo	46	97	2	220	St	10	-	10	3

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

Stations. (1)	Weather. Fore-noon. (2)	Weather. After-noon. (3)	Temperature. Min. 9h.-20th to 9h. 21st (4) °F.	Temperature. Max. 9h.-17h. 21st (5) °F.	Rainfall.† Night 17h.-9h. 20th-21st (6) mm.	Rainfall.† Day 9h.-17h. 21st (7) mm.	Sunshine. Sunrise to 17h. 21st (8) hr.	Sunshine. Sunrise to Sunset. 20th (9) hr.
Berwick-on-Tweed	c	o	34	54	1	–	0.0	2.7
Douglas (I. o. M.)	od₀d₀	Fccb	42	50	18	3	0.0	0.0
Llandudno	c	cod	51	57	0.4	0.2	0.0	2.7
Colwyn Bay	coc	coc	53	56	–	-	0.0	1.8
Rhyl	o	o	53	59	–	-	0.0	3.4
Wallasey	rr	rroc	42	54	3	8	0.0	1.5
Southport	rr	rro	*48	53	1	11	0.0	1.9
Blackpool	or	oro	47	53	3	9	0.0	0.6
Ilkley	cr	cro	33	55	1	2	0.2	0.2
Cleethorpes	o	odo	32	57	–	0.2	0.0	2.5
Skegness	coprc	c	32	57	–	Trace	0.1	3.6
Aberystwyth	prr	rrc	48	55	7	4	0.0	4.1
Bath	cir₀	cr₀r₀	46	55	Trace	1	0.0	6.5
Cheltenham‡	or₀c	bco	48	61	–	Trace	1.1	5.4
Leamington Spa	cd	cr	37	59	-	0.1	0.0	3.1
Lowestoft	bcfbc	c	34	51	-	-	3.6	2.0
Harwich & Dovercourt	ococ	bcoc	37	54	-	-	0.6	0.7
Maldon	o	obco	31	60	-	-	0.4	2.0
Southend	o'	bcr₀	34	55	-	Trace	0.8	3.6

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	r₀r₀	r₀r₉	49	55	2	5	0.0	3.4
Penzance	omr	bord	47	53	11	1	0.0	0.0
Paignton	op₀or₀	porm	48	53	1	2	0.0	5.0
Torquay	oqp₀od	prqor	45	53	0.4	1	0.0	6.2
Jersey	od	od	44	52	Trace	0.1	0.0	8.7
Weymouth	p₀o	o	44	50	1	Trace	0.0	6.2
Bournemouth	od	od	43	54	–	0.3	0.0	6.4
Ventnor	rom	or	40	49	1	Trace	0.0	7.2
Portsmouth (S'thsea)	o	o	39	55	–	-	0.0	9.2
Bognor	c	c	39	48	1	–	0.0	8.9
Littlehampton	c	c	39	49	1	–	0.1	6.3
Worthing	c	c.	40	51	1	–	0.1	6.8
Brighton	ocbc	coc	40	49	1	–	0.1	7.4
Eastbourne‡	ocbc	bcco	41	55	0.2	–	1.9	4.0
Hastings‡	moo	oco	39	50	Trace	–	0.0	7.7
Folkestone	ofr₀m	omcom	36	49	Trace	–	0.1	6.4
Dover	bco	boc	37	46	Trace	–	0.0	6.0
Tunbridge Wells	om	com	41	57	–	–	0.3	7.6
Ramsgate	odmc	c	34	49	–	0.4	0.0	4.7
Margate	cp	bcc	40	57	–	Trace	0.2	5.8
Deal	o	o	35	51	–	–	0.0	3.7

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* Information not usually received P The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station § For code see page 1. †‡ See footnote page 1

‡ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ✠ 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24.593 SATURDAY, 23rd MARCH, 1929.

Observations at 18h. G.M.T. 22nd

Stations. (For heights see p. 8).	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form	Cloud. Total Amt. 0-10	State of Ground.
Lerwick	1007.5	0	SW	1	c	47	85	8	1500	StCu	4	cSt	8	•
Stornoway	1007.8	+1	SW	3	bc|r	50	75	8	4000	CuNb	6	-	6	•
Wick	1010.0	+1	SW	2	c|r	51	75	8	1500	CuNb	6	CiSt	8	•
Tiree	1010.8	0	SSW	4	bcr	45	85	8	1500	Nb	6	-	6	1
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1011.6	0	SW	3	bc+	53	75	8	4000	Cu	3	aCu	4	1
Malin Head	1011.6	+1	SSW	5	c|p	49	85	8	4000	Cu	9	-	9	•
Renfrew	1013.3	+1	SW	4	bc	52	75	7	2500	Cu	6	-	6	1
Edinburgh (Inchkeith)	1012.7	+1	W	4	cr₀	45	85	8	1500	Cu	9	-	9	•
Leuchars	1012.7	0	SW	3	c	51	75	7	2500	CuNb	8	-	8	1
Eskdalemuir	1014.7	0	SW	4	or	44	97	6	220	Nb	10	-	10	2
Tynemouth	1014.9	0	SW	3	bc|m	50	65	7	1500	Cu	5	-	5	•
Blackpool Point	1008.4	0	SSW	4	o|PR	49	85	7	•	Nb	10	-	10	•
Donaghadee	1014.4	+1	WSW	3	bc+	54	65	8	4000	CuNb	6	-	6	•
Birr Castle	1014.5	•	SSW	2	bc-	52	75	8c	2500	Cu	3	-	3	•
Holyhead	1015.9	0	SSW	4	b-	50	85	8	2500	Cu	1	aCu	1	1
Liverpool (Bidston)	1016.4	0	W	4	c|p	52	65	9	2500	CuNb	6	CiCu	8	•
Chester (Seacombe)	1016.4	-1	SW	3	c|r	54	65	8	4000	StCu	8	-	8	1
Harrogate	1016.1	0	-	0	c+	53	75	6	4000	CuNb	9	-	9	•
Spurn Head	1016.6	0	WNW	1	bc	55	65	6	4000	StCu	3	CiCu	5	•
Birmingham (Edgbaston)	1017.9	0	SW	3	bc+	55	65	8	2500	StCu	5	-	5	1
Cranwell	1017.5	-1	W'S	4	bc-	60	55	7	4000	Cu	1	Ci	6	1
Carlisle	1018.2	0	W	1	c-	57	85	6	2500	Nb	9	-	9	•
Valentia (Cahirciveen)	1017.0	+2	SWW	4	c	51	75	8	1500	St	5	aSt	8	1
Roches Point	1017.5	+1	W	3	bc	51	65	8	1500	CuNb	3	CiCu	4	•
Pembroke (St. Ann's H.)	1017.2	0	SWW	3	bc|f	48	97	7	2500	Cu	3	CiCu	4	•
Ross-on-Wye	1018.2	0	SW	4	bc	53	65	8	4000	Cu	4	Ci	5	1
Leafield	1018.5	-1	WSW	3	bc ⊕	54	65	8	4000	Cu	3	CiSt	5	0
Winchester (Worthy Dn.)	1018.9	-1	SW	2	bc	58	55	8	2500	Cu	4	CiSt	7	1
S. Farnborough	1018.8	-1	WSW	2	bc	60	55	7	2500	Cu	5	Ci	6	0
London (Kew Obsy.)	1018.8	-1	SW'S	2	bc	56	65	8	2500	Cu	4	Ci	5	1
Croydon	1018.7	-1	WNW	3	c-	56	75	7	4000	CuNb	6	CiCu	8	1
Shoeburyness	1018.9	+1	-	0	c+	55	92	7	800	St	9	-	9	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1018.7	-1	-	0	c-	53	75	5	1500	St	4	Ci	8	0
Lympne	1019.2	-1	SSW	2	c|pr₀	53	85	6	1500	Nb	9	-	9	5
Scilly (St. Mary's)	1019.8	+1	W'S	4	b	53	85	8	4000	Cu	1	-	1	•
Falmouth (Pendennis)	1019.7	+1	SW	3	bc	54	65	8	4000	Cu	3	Ci	5	•
Plymouth (Cattewater)	1019.9	0	SW	3	c	50	92	6	450	St	9	Ci	9	2
Portland Bill	1019.8	+1	SSW	1	c	47	85	6	2500	StCu	6	Ci	10	•
Southampton (Calshot)	1019.5	-1	SW'S	4	bc	56	65	8	2500	CuNb	4	Ci	5	1
Dungeness	1019.2	0	WSW	2	i|c	46	92	3	450	St	10	-	10	•
Guernsey (Fort George)	1020.9	-1	W	2	c	50	92	7	800	St	7	aSt	9	•

Observations at 18h. G.M.T. 22nd

Stations.	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1008.2	0	SW	1	bc	46	85	8	1500	StCu	2	cSt	4	•
Stornoway	1008.8	+2	SW	2	bc-	47	85	8	4000	CuNb	4	aCu	5	1
Wick	1010.0	0	WSW	1	c	49	85	8	1500	CuNb	6	CiSt	8	0
Tiree	1011.1	0	SWW	3	bc	48	85	8	2500	CuNb	4	-	4	2
Nairn	1010.0	•	WSW	2	bc-	49	65	8	—	—	0	aCu	4	•
Aberdeen	1011.5	+1	SW'S	3	b-	52	65	7	4000	Cu	1	-	1	0
Malin Head	1011.7	0	WNW	3	bc|p	48	85	8	4000	Cu	7	-	7	2
Renfrew	1012.9	+1	SW	4	c+	50	75	8	4000	Cu	8	-	8	•
Edinburgh (Inchkeith)	1012.6	0	SW	3	c	47	65	8	4000	Cu	4	aCu	9	1
Leuchars	1012.7	+1	SW	2	b	47	75	7	4000	CuNb	1	-	1	•
Eskdalemuir	1015.0	0	S	3	c	43	92	6	450	St	9	-	9	•
Tynemouth	1015.1	0	WSW	2	bc	51	65	6	1500	St	3	aCu	4	1
Blackpool Point	1015.0	+5	W	4	b	50	75	8	•	Cu	2	-	2	2
Donaghadee	1014.2	-1	SSW	2	bc|pr₀	48	85	8	4000	CuNb	6	-	6	2
Birr Castle	1015.4	•	SSW	3	b-	49	75	8	2500	Cu	1	-	1	•
Holyhead	1015.8	0	SSW	4	b	46	97	7	3700	StCu	2	-	2	1
Liverpool (Bidston)	1016.7	0	WSW	4	bc	52	55	9	2500	CuNb	2	CiCu	4	•
Chester (Seacombe)	1016.9	+2	SW	2	c-	53	65	8	5700	Cu	5	-	5	•
Harrogate	1016.2	0	SW	1	b	50	65	8	4000	Cu	1	Ci	1	•
Spurn Head	1016.6	0	NW	3	bc+	46	55	6	4000	StCu	4	aCu	6	1
Birmingham (Edgbaston)	1018.4	0	SW	3	bc-	53	65	8	2500	Cu	4	Ci	5	•
Cranwell	1017.9	+1	SWW	2	c	53	65	6	4000	Cu	8	CiSt	9	•
Carlisle	1017.5	0	SSW	1	c	44	92	5	2500	StCu	10	-	10	0
Valentia (Cahirciveen)	1019.6	+3	W	2	bc	48	85	8	1500	StCu	5	aCu	6	2
Roches Point	1018.9	+3	NW	3	c	51	75	8	2500	CuNb	6	CiCu	8	1
Pembroke (St. Ann's H.)	1019.0	0	SWW	3	p-	46	92	8	-	-	0	CiCu	1	2
Ross-on-Wye	1018.4	+1	WSW	3	bc	51	65	8	4000	Cu	1	Ci	4	•
Leafield	1019.0	0	SW	3	c	51	65	8	5700	StCu	5	CiSt	9	•
Winchester (Worthy Dn.)	1019.2	+1	SW'S	3	c	51	75	7	4000	StCu	6	aSt	9	•
S. Farnborough	1019.0	+1	W	1	c	55	65	7	2500	CuNb	1	Ci	8	•
London (Kew Obsy.)	1019.0	+2	W	2	bc-	55	55	5	1500	StCu	2	Ci	5	•
Croydon	1018.9	0	W	3	c-	56	55	6	4000	StCu	8	aSt	9	•
Shoeburyness	1019.0	0	S'E	2	c	48	92	6	1500	StCu	10	-	10	•
Clacton-on-Sea	1018.7	0	SSW	2	c	46	92	6	7200	StCu	8	-	8	0
Felixstowe	1018.7	0	SSW	2	c	47	92	6	5700	StCu	10	-	10	1
Lympne	1019.7	+1	SW	3	or₀r₀	45	97	1	4150	St	10	-	10	•
Scilly (St. Mary's)	1021.0	+1	WNW	4	b	50	75	8	4000	Cu	2	-	2	1
Falmouth (Pendennis)	1021.3	+3	NW'W	2	bc-	51	65	8	4000	Cu	3	-	3	0
Plymouth (Cattewater)	1020.5	+2	W	3	b|pr₀	50	75	8	4000	CuNb	2	CiCu	2	0
Portland Bill	1019.8	0	SSW	2	c	45	97	6	2500	StCu	4	Ci	9	1
Southampton (Calshot)	1020.4	+2	WSW	4	c	47	85	7	1500	St	2	aSt	9	0
Dungeness	1019.2	+2	W	2	orr	43	97	4	800	Nb	10	-	10	2
Guernsey (Fort George)	1021.7	0	W	3	o+	48	97	5	450	St	10	-	10	1

London Observations

Day: 7h. 18h., Kew & Croydon. 9h. 18h., Kensington. 21h. 18h., other stations.

	Height above M.S.L. in feet	Weather. Morning. (M Hours ended 9h.)	Weather. Afternoon.	Weather. Night.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Temperature. 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)	Pilot balloon
Kew	18	cy|bc	cy|bcy	r|cy|w	60	38	29	-	Tr	3.4	•	•	6
Croydon	244	cd|r₀	cbcy₀	cs|wr₀	63	39	32	Tr	-	2.1	•	•	5
Greenwich (Royal Obsy.)	149	c	cyc	cb|wy	62	38	27	-	-	1.7	54	90	4
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	1.9	•	•	•
Westminster (St. James' Pk.)	37	•	•	•	62	39	36	-	-	3.0	48	87	•
Regent's Pk. (Botanic Gdns.)	185	•	•	•	•	•	•	•	•	3.4	•	•	•
Camden Square	110	bcc	c	•	61	39	*	-	-	•	•	97	•
Kensington Palace	80	bcc	co	•	61	40	30	-	-	•	(At 18h. bd)	92	•
Hampstead Observatory	450	•	•	•	60	35	29	0.1	Tr	3.0	•	98	•

Atmospheric Pollution

Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 23rd

South Kensington Max.	Time	Min.	Time.
0.6	22h 19m	<0.3	23h 41m

Kew Observatory Max.	Time.	Min.	Time.
0.2	22h 22m	<0.1	23h 11m

Pole Star Record at Greenwich Obsy.

Exposure from 22nd 19h. 15m. to 23rd 05h. 0m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	9.45	8 0	82
δ Ursæ Minoris	9.45	7 11	74

Table showing the Greenwich times of sunrise, noon, and sunset.

23rd - 29th March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.51	12.0	18.3
	5.49	12.0	18.11
Greenwich	5.59	12.7	18.16
	5.57	12.6	18.17
Wick	6.18	12.19	18.30
	6.7	12.13	18.32
Valentia	6.40	12.19	18.57
	6.37	12.17	18.58

Beaufort Notation of Weather

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—12000 m.
h hail. i intermittent.
|p precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening skys
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). { before (for precipitation).
⊕ = solar halo. ⊕ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
‡ "sudden" divides actual existing weather from preceding conditions, thus—h|r = hail weather after rain; - = has decreased; + = has increased.

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.

Telegraphic Code for Surface Visibility.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 „
2. Fog.	550 „
3. Moderate fog.	1,100 „
4. Mist or haze.	1½ miles.
5. Poor visibility.	2½ „
6. Moderate.	5½ „
7. Good.	12½ „
8. Very good.	31 „
9. Excellent visibility, beyond 31 m.	

Code for State of Ground.

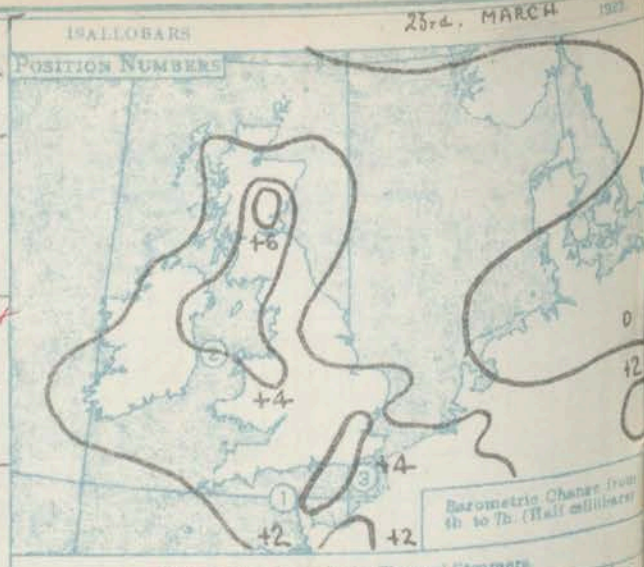
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 18h. and 18h. reports (Hoar frost in 18h. and 7h. reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

† Tr = rain has fallen, but amounts less than 0·1 mm. * Information for these observations not usually received. ‡ The barometric change is expressed in half millibars.

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.	began.	Night. 18h.-7h. mm.	began.	SUN 22nd Hours.
Lerwick	bcc	cprbc	cbc	bcibr	50	43	•	Tr.	14·30	Tr	04·30	6·1
Stornoway	p	bcprbc	b	bprc	50	40	•	1	11·00	0·6	02·30	6·7
Wick	cprc	c	b	b	53	38	•	0·5	12·30	-	-	•
Tiree	prbc	prbc	bcc	bacc	51	40	36	2	<8·00	0·2	02·30	8·6
Nairn	bcq	bc	bcx	bc	54	38	•	-	-	-	-	9·2
Aberdeen	bbc	bcb	b	b	57	34	25	-	-	-	-	9·2
Kalin Head	bbcc	cprbcjp	bbcb	bbcc	52	42	•	0·1	13·30	-	-	7·24
Renfrew	czbc	bcc	cb	cbc	53	37	30	-	-	Tr	<21·00	7·1
Edinburgh (Inchkeith)	bccir	c	cbc	bcw	50	40	35	0·3	9·00	Tr	-	6·8
Leuchars	b,c,pbcc	cbyb	b,c Rbw	bcb bc	55	36	36	Tr.	11·00	4	<21·00	8·4
Eskdalemuir	ojoidm	orccm	om	orbc	45	37	36	4	<8·00	0·3	24·00	1·4
Tynemouth	bcim	bc	bcb	bbc	55	40	34	-	-	-	-	•
Blacksod Point ...	PP	pob	bc	oc	52	43	•	2	•	-	•	•
Donaghadee	bc	bcpr	prbc	bcb	55	39	•	0·2	13·30	Tr	<21·00	•
Birr Castle	cbc	bccprbcb		bw,bcw	56	36	29	1	14·30	Tr	-	8·1
Holyhead	domof	b	bw	b	52	43	41	0·2	<8·00	—	-	5·9
Liverpool (Bidston) ...	vbccv	vcbcv	vbcb	bbw	55	41	37	-	-	-	-	6·7
Chester (Sealand) ...	bcpro	c	bcb	bm	59	41	30	Tr.	12·30	—	-	8·2
Harrogate	cbcc	cpobcb	bbc	bbccp	56	40	35	Tr.	13·30	Tr	05·30	6·1
Spurn Head	cbc	bc	cbc	bcc	60	38	•	-	-	-	-	7·2
Birmingham (Edgbaston)	bbc	bc	b	b	57	39	36	-	-	-	-	6·5
Cranwell	cbc	bcycy	bm	b,c	61	37	36	-	-	-	-	7·5
Gorleston	cprc	cm	cm	cmb	59	36	35	Tr.	<8·00	-	-	1·0
Valentia (Cahirciveen)	bcpVc	cbccp	bcp	bbcp	52	45	41	3	<8·00	0·1	<21·00	5·3
Rosslare Point	bcpbc	bcpc	cbcb	bbcw	54	40	•	1	11·00	Tr	-	•
Pembroke (St. Ann's H.)	ofbc	bcb	b	bw	49	43	•	-	-	Tr	-	8·9
Ross-on-Wye	bcb	bccbc	bcbbw	bwbz	57	35	29	-	-	—	-	6·5
Leafield	fobc	bcc	bcb	bfb	55	35	34	Tr.	-	0·1	-	3·8
Winchester (Worthy Dn.)	ofdmbcy	bccy	cbcm	bmofgc	60	34	-1	Tr.	<8·00	0·1	-	3·7
S. Farnborough ...	bmdcbcy	bccvy	cbc	bcwc	61	36	26	Tr.	9·00	Tr	-	3·0
London (Kew Obsy.) ...	cmbc	cybcy	bcycbc	bczcw	60	38	29	-	-	Tr	—	3·4
Croydon	cdrzo	cbcyzo	cyzbc	rczomw	63	39	33	Tr.	<8·00	-	-	2·1
Shoeburyness	cmc	cmo	crm	cbcbmo	57	37	30	-	-	Tr	<21·00	0·7
Clacton-on-Sea ...	ocbcz	bczcm	cmp	cmbc	53	38	35	-	-	0·2	22·00	1·9
Felixstowe	ozdoc	czo	czbc	bwzo	55	39	35	Tr.	11·00	-	-	0·8
Lympne	ocprm	cpcorrF	orrfcm	rcbm	55	36	33	0·8	13·30	2	<21·00	0·2
Scilly (St. Mary's) ...	b	b	b	bbcb	54	46	•	-	-	-	-	11·0
Falmouth (Pendennis)	cmrbc	bc	b	bbc	55	44	•	1	<8·00	-	-	9·3
Plymouth (Cattewater)	oFFdbc	cbcq	bmf	bFFewx	53	36	30	0·1	<8·00	Tr	-	6·9
Portland Bill	oFcz	czo	cbw	bc	49	41	•	-	-	-	-	•
Southampton (Calshot)	odomoc	bcc	cmcFeFe	cFe-bFeoFe	58	35	28	0·1	<8·00	0·1	-	2·3
Dungeness	offcif	cifoffm	orrirc	cbc	47	37	•	1	12·30	1	<21·00	•
Guernsey	ofec	com	lombcb	bbcirw	51	44	•	-	-	0·3	01·30	1·1

SUN 22nd



Observations from Cross Channel Steamers

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	23rd 10h	Cambria	SSW	4	bc ●	48	46	4
3	23rd 24	Arundel	NW	2	§§b	43	44	4

GENERAL INFERENCE.

Depressions are moving northeastward across Iceland from the Atlantic and small associated secondaries are likely to pass across the British Isles. Weather will be mild with considerable bright periods generally at first but occasional rain is likely in Scotland and Western Ireland later.

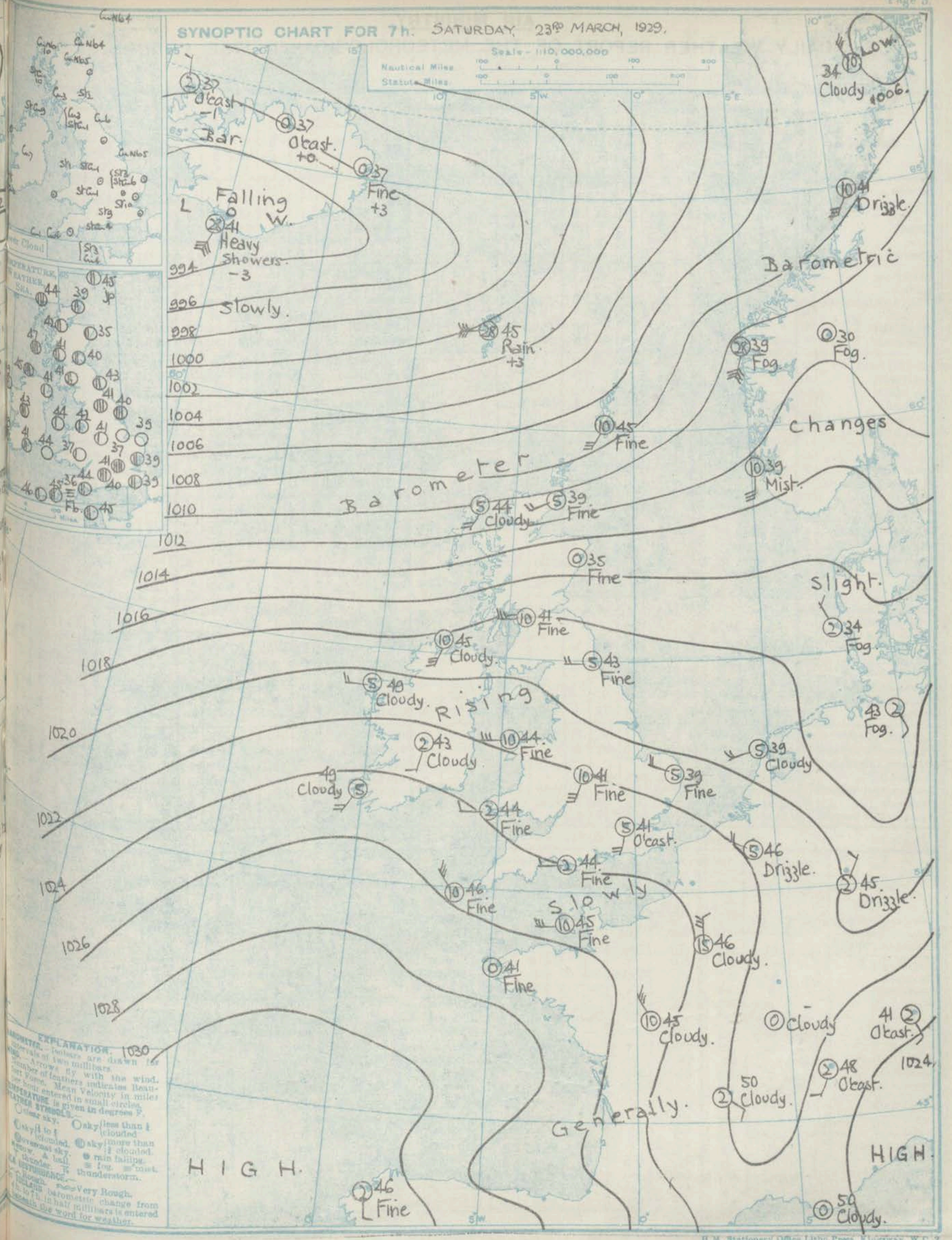
Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Saturday, 23rd March, 1929.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light to moderate westerly to southwesterly winds; cloudy with bright periods; mild; fog locally at night and in early morning.	Unsettled in the West and North but remaining dry in Eastern and Southeastern England.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate to fresh southwesterly winds; cloudy with bright intervals; mild.	
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13 A. W. Scotland 13 B. E. W. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands 17. N.W. Ireland	Moderate to fresh southwesterly winds, stronger at times later; cloudy at first, occasional rain later; mild.	
18. N.E. Ireland 19. S.E. Ireland	Moderate to fresh southwesterly winds; cloudy with brighter intervals; mild.	
20. S.W. Ireland	As 11 - 17.	

WHP.

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

§ For code see page 1

† Trace = rain has fallen, but amount less than 0·1 mm.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. SATURDAY. 23rd. MARCH. 1929. No. 82.

Stations.	Height above M.S.L. in feet.	Obs. at 1h. G.M.T. 23rd: Barom. at M.S.L. mb.	Change in 3 Hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Obs. at 7h. G.M.T. 23rd: Barom. at M.S.L. mb.	Change in 3 Hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-8
Lerwick	84	1008·1	0	SW	1	bc	44	85	8	1500	StCu	2	ASt	4	1007·9	0	SW	3	bc/p	45	85	8	1500	CuNb	4	ASt	6	0
Stornoway	30	1010·8	+2	SW	3	b-	*	*	8	*	*	*	*	2	1011·7	+2	SW	2	c	44	85	7	4000	CuNb	10	-	10	1
Wick	81	1011·6	0	WSW	2	bc	38	92	8	4000	Cu	2	Ci	4	1012·8	+1	WSW	2	bc	39	97	8	2500	CuNb	4	Ci	6	1
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1015·2	+1	SW	4	c	47	85	7	1500	StCu	10	-	10	4
Nairn	53	*	*	*	*	*	*	*	*	*	*	*	*	*	1014·5	0	WSW	1	bc+	42	85	8	2500	CuNb	5	ACu	7	*
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	1015·5	+3	-	0	b	35	97	8	-	-	0	CiCu	1	0
Malin Head	81	1016·8	+3	WSW	3	b	43	97	8	4000	Cu	1	-	1	1018·6	+2	SW	3	c	45	92	7	5700	StCu	9	-	9	2
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	1018·1	+5	W	3	bc	41	97	7	4000	Cu	3	Ci	7	*
Edinburgh (Inchkeith)	180	1013·8	0	SW	2	bc	41	92	8	2500	Cu	7	-	7	1016·4	+4	SW	4	bc	40	92	6	800	St	2	ACu	3	2
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*	1016·4	+6	WSW	3	b+	37	97	7	-	-	0	ACu	2	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·0	+5	W'N	3	bc	41	92	7	1500	Cu	4	-	4	*
Tynemouth	87	1016·3	0	SSW	2	b	44	85	8	1500	Cu	2	-	2	1018·2	+3	W	2	bc	43	92	6	1500	Cu	6	-	6	1
Blacksod Point ...	48	1018·8	+2	-	0	bc	46	92	7	*	StCu	7	-	7	1020·6	+1	W	2	c	49	92	7	*	-	0	ASt	10	2
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1021·0	+4	WSW	1	b+	41	92	8	-	-	0	CiSt	2	1
Birr Castle	178	*	*	*	*	*	*	*	*	*	*	*	*	*	1022·4	*	SW	1	c	43	97	6	4000	Cu	7	Ci	8	*
Holyhead	73	1018·3	+2	W	5	b	46	92	8	4000	StCu	2	-	2	1021·7	+4	W	3	b	44	92	6	800	St	1	ACu	1	1
Liverpool (Bidston) ...	180	*	*	*	*	*	*	*	*	*	*	*	*	*	1021·4	+3	W'S	5	b	42	92	7	2500	StCu	1	-	1	*
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·9	+5	W	3	b	45	85	6	4000	StCu	2	-	2	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·7	+3	SW	4	bc	43	~~95~~ 92	~~4~~ 7	4000	CuNb	6	~~AST~~	~~8~~ 6	*
Spurn Head	29	1017·5	0	W'N	3	b-	43	85	6	4000	St	3	-	3	1018·9	+1	WNW	3	c+	40	97	6	4000	CuNb	5	ACu	9	2
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1022·7	+3	SW	3	b-	41	92	8	—	-	0	ACu	2	*
Cranwell	298	1019·3	0	W	3	b	40	92	5	-	-	0	Ci	1	1021·1	+2	W'S	4	c+	41	92	6	2500	StCu	9	-	9	*
Gorleston	14	1018·7	+1	WNW	2	c@	48	75	6	-	-	0	ASt	9	1020·8	+3	W'N	2	b	39	85	6	-	-	0	-	0	0
Valentia (Cahirciveen) ‡	30	1023·3	+2	W	3	c	49	97	6	-	StCu	10	-	10	1024·8	+3	SW	2	c	49	92	7	800	St	10	-	10	4
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*	1024·8	+3	N	2	bc	41	92	8	1500	St	3	Ci	7	0
Pembroke (St. Ann's H.)	160	1021·2	+3	W	1	b	44	97	8	-	-	0	-	0	1023·2	+3	W	1	b	44	97	8	-	-	0	-	0	1
Ross-on-Wye	225	*	*	*	*	*	*	*	*	*	*	*	*	*	1023·3	+3	SSW	1	b	37	92	7	4000	Cu	1	-	0	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	1022·9	+3	SW'W	3	§b-	37	97	2	-	-	0	-		*
Winchester (Worthy Dn.)	273	*	*	*	*	*	*	*	*	*	*	*	*	*	1023·6	+3	W'S	2	c/§	40	97	5	800	St	9	-	9	*
S. Farnborough ...	237	*	*	*	*	*	*	*	*	*	*	*	*	*	1023·2	+3	W'N	1	c	40	97	6	450	St	9	-	9	*
London (Kew Obsy.) ...	16	*	*	*	*	*	45	*	*	*	*	*	*	*	1023·7	+4	SW	2	c	41	97	5	1500	St	10	-	10	*
Croydon	244	1020·9	+1	W	3	bc-	45	85	6	-	-	0	CSt	3	1023·5	+4	W'N	3	mc+	40	97	4	220	St	10	-		
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1022·7	+4	W	2	b	40	97	5	-	-	0	-	0	*
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*	1022·2	+2	W	3	bc	39	92	6	-	-	0	CiCu	3	1
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1022·2	+3	WNW	2	b	41	92	6	-	-	0	Ci	1	1
Lympne	360	1020·3	+1	NW'N	3	bc-	44	92	6	4000	StCu	3	Ci	6	1022·6	+3	NW'N	3	b-	37	97	6	-	-	0	Ci	1	*
Scilly (St. Mary's) ...	163	1023·6	0	WNW	4	b	47	92	8	4000	Cu	2	-	2	1025·8	+2	NW	3	b	46	92	7	4000	Cu	1	-	1	1
Falmouth (Pendennis)	200	1022·8	+1	WNW	2	b	48	92	8	-	-	0	-	0	1025·5	+3	-	0	bc+	45	92	8	4000	Cu	4	-	4	0
Plymouth (Cattewater)	62	*	*	*	*	*	*	*	*	*	*	*	*	*	1025·3	+3	-	0	§b-	36	97	1	-	-	0	-	0	0
Portland Bill	32	1021·8	+1	W	1	b	43	92	8	-	-	0	-	0	1023·8	+3	W	1	bc-	44	92	8	2500	StCu	4	-	4	1
Southampton (Calshot)	10	1021·8	+2	W'N	2	FFo	38	97	1	<150	St	10	-	10	1023·3	+3	NW'W	2	FFo	35	97	1	<150	St	10	-	10	0
Dungeness	20	1020·4	0	WNW	2	c-	42	97	7	4000	StCu	8	-	8	1022·8	+4	WSW	1	bc	39	97	7	-	-	0	CiCu	3	2
Guernsey (Fort George) ‡	206	1024·2	+2	W	3	b-	46	97	6	-	-	0	-	0	1025·4	+3	W	3	bc/r	45	97	7	800	Cu	7	-	7	3

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 21st to 9h. 22nd. °F.	Temperature. Max. 9h. 22nd. °F.	Rainfall.† Night 17h.-9h. 22nd. mm.	Rainfall.† Day 9h.-17h. 23rd. mm.	Sunshine. Sunrise to 17h. 21st. hr.	Sunshine. Sunrise to Sunset. 21st. hr.
*(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	c	bc	42	53	Trace	-	7·9	0·0
Douglas (I. o. M.) ...	oFir	ocbc	42	50	1	1	4·0	0·0
Llandudno ...	bc	bc	41	56	Trace	-	8·5	0·0
Colwyn Bay ...	b	b	45	58	-	-	9·5	0·0
Rhyl	b	b	43	56	-	-	9·0	0·0
Wallasey	bbcc	cpocb	42	53	1	Trace	6·5	0·0
Southport	bbcc	cbcb	*39	55	0·4	-	4·4	0·0
Blackpool	oc	ebc	39	54	-	-	4·8	0·0
Ilkley	cbc	pc	42	56	-	1	2·8	0·2
Cleethorpes	b	b	40	63	0·1	-	7·8	0·0
Skegness	obrcb	bbco	46	61	0·4	-	5·7	0·1
Aberystwyth ...	cbep	bc	43	50	1	-	6·2	0·0
Bath	cbcb	bcc	48	56	3	-	2·2	0·0
Cheltenham‡ ...	bbcb	bbcc	46	58	1	-	5·7	1·3
Leamington Spa ...	c	c	46	58	1	-	4·0	0·0
Lowestoft	cfc	c	~~38~~	52	0·3	-	0·6	3·6
Harwich & Dovercourt	ocwc	bcocm	42	60	-	-	0·8	0·6
Maldon	dcbc	bcc	45	60	Trace	-	1·1	0·4
Southend	o	ocm	44	59	0·2	-	0·6	0·8
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	cbcb	b	46	52	1	-	7·3	0·0
Penzance	b	b	46	57	1	-	9·0	0·0
Paignton	ooc	bcb	45	57	4	-	5·9	0·0
Torquay	pro	cbc	43	56	5	-	5·0	0·0
Jersey	pfc	cbc	44	51	-	-	0·7	0·0
Weymouth	mcb	bc	45	53	-	-	3·7	0·0
Bournemouth ...	fbcbc	bcc	46	58	2	-	4·0	0·0
Ventnor ...	fmc	cbc2	45	56	1	-	4·7	0·0
Portsmouth (S'thsea)	cb	bcc	47	59	1	-	3·0	9·9
Bognor	cbc	bc	44	53	1	-	1·8	0·0
Littlehampton ...	cmb	cbcc	45	53	1	-	1·0	0·1
Worthing	c	bcc	45	54	1	-	1·5	0·1
Brighton	cocbc	cfoc	44	48	0·3	-	0·3	0·1
Eastbourne‡	oc	co	47	55	0·1	-	0·7	1·2
Hastings‡	ofmdo	omdof	45	53	1	0·2	0·4	0·0
Folkestone	om	corrf	41	52	-	0·3	0·3	0·1
Dover	omf	ofr	41	47	-	1	0·0	0·0
Tunbridge Wells ...	oc	cbco	46	58	1	-	0·8	0·3
Ramsgate	c	cr	42	52	0·1	1	0·2	0·0
Margate	c	cr	47	57	Trace	0·4	0·4	0·2
Deal	o	coor	43	56	-	-	0·1	0·0

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* Information not usually received. ‡ The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. † For code see page 1. ‡: See footnote page 1.

‡ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ‡ 17h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.24594 SUNDAY 24th MARCH 1929.

Observations at 13h. G.M.T. 23rd

Stations. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1007.9	+1	SW	4	c	47	85	8	1500	St.Cu	4	A.Cu	9	•
Stornoway	1012.0	0	WSW	3	c/r	51	85	7	4000	Cu.Nb	10	-	10	•
Wick	1013.0	0	WSW	3	c	49	85	8	1500	Cu.Nb	8	A.St.	10	•
Tiree	1016.9	+2	WSW	4	c	51	85	7	1500	St.Cu	9	-	9	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1015.7	0	SSW	3	bc+	57	65	7	5700	Cu.	6	A.Cu	7	1
Malin Head	1019.4	+1	W	4	bc⊕	53	85	6	4000	Cu.	2	Ci.St	7	•
Renfrew	1019.3	+1	SW	4	cr°	48	85	6	1500	St.	10	-	10	1
Edinburgh (Inchkeith)	1017.9	+1	WSW	4	bc	47	75	7	1500	Cu.	3	A.Cu	4	•
Leuchars	1017.2	-1	W	4	bc-	55	65	8	4000	Cu.	4	Ci.	7	1
Eskdalemuir	1020.5	+1	WSW	4	c/pr°	47	65	8	2500	St.Cu	9	-	9	2
Tynemouth	1019.5	+2	W	2	/bc	53	55	7	1500	Cu.	6	-	6	•
Blacksod Point	1021.9	+1	W	4	bc	53	85	7	•	Cu.	6	-	6	•
Donaghadee	1021.4	+1	WSW	2	c-	54	75	8	4000	St.Cu	8	-	8	•
Birr Castle	1023.5	•	S'W	3	c	56	75	8	2500	Cu.Nb	7	A.Cu	9	•
Holyhead	1023.7	+1	SW'S	3	bc-	50	75	7	5700	St.Cu	7	-	7	1
Liverpool (Bidston)	1023.6	+1	NW'W	5	bc+	50	65	8	2500	Cu.	2	Ci	5	•
Chester (Sealand)	1023.4	+2	NW	4	bc-	53	55	8	2500	Cu.	5	-	5	1
Harrogate	1021.7	+1	WSW	5	bc	53	45	9	4000	Cu.	5	-	5	•
Spurn Head	1020.8	+1	NNW	4	bc	48	85	8	4000	Cu.	6	-	6	•
Birmingham (Edgbaston)	1024.0	+1	W	3	bc	53	65	7	4000	Cu.	6	-	6	1
Cranwell	1022.8	+2	WNW	4	c+	53	55	6	2500	Cu.	9	-	9	1
Gorleston	1022.2	+2	NW	4	c+	51	65	6	4000	Cu.	9	-	9	•
Valentia (Cahirciveen)	1023.1	-1	SW	3	c	55	85	8	1500	St.Cu	8	-	8	1
Roches Point	1025.8	+1	SW	2	c	53	85	8	2500	Cu.	4	Ci.	8	•
Pembroke (St. Ann's H.)	1025.2	+1	WSW	2	bc+	49	85	7	2500	Cu.	4	A.Cu	6	•
Ross-on-Wye	1024.2	+1	W'N	3	bc	53	55	8	4000	Cu.	4	-	4	1
Leafield	1024.0	+2	NW	2	bc	52	55	9	4000	Cu.	6	-	6	0
Winchester (Worthy Dn.)	1024.7	0	NW	3	bc	53	55	8	4000	Cu.	6	-	6	0
S. Farnborough	1024.7	+1	WNW	3	bc	54	45	8	4000	Cu.	5	-	5	0
London (Kew Obsy.)	1024.5	0	W	2	bc-	53	55	7	2500	Cu.	4	-	4	0
Croydon	1024.5	0	NW'N	3	bc+	54	55	6	2500	Cu.	6	-	6	1
Shoeburyness	1023.9	0	WSW	2	bc	55	65	7	4000	St.Cu	6	-	6	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1023.0	0	WNW	3	c+	55	45	8	4000	Cu.	8	-	8	0
Lympne	1023.8	0	WNW	3	bc	55	55	6	1500	Cu.	5	-	5	0
Scilly (St. Mary's)	1027.0	+1	NW'W	2	b	54	85	6	4000	Cu.	2	-	2	•
Falmouth (Pendennis)	1028.6	+1	NW'W	2	bc	54	55	8	4000	Cu.	2	A.Cu	5	•
Plymouth (Cattewater)	1026.2	0	SSW	4	bc	51	75	7	4000	Cu.	5	-	5	2
Portland Bill	1025.5	+3	SW	2	b	47	85	8	2500	Cu.Nb	2	-	2	•
Southampton (Calshot)	1025.7	+1	SSW	2	bc	52	75	8	2500	Cu.	4	-	4	0
Dungeness	1024.1	+3	WSW	3	bc+	48	85	7	2500	Cu.	7	-	7	•
Guernsey (Fort George)	1026.9	+1	NW	2	b-	52	75	8	2500	Cu.	2	-	2	•

Observations at 18h. G.M.T. 23rd

Stations.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1007.8	-1	SW	3	ojp	47	85	7	1500	Nb.	10	-	10	•
Stornoway	1012.0	0	SSW	3	bc/p	48	85	7	4000	Cu.Nb	4	A.Cu	6	2
Wick	1012.5	0	WSW	3	c/pr°	49	92	8	1500	Cu.Nb	6	A.St.	8	0
Tiree	1016.8	0	WSW	4	o	49	92	7	1500	St.	10	-	10	4
Nairn	1013.3	•	W	4	c+	52	65	7	1500	Cu.Nb.	8	-	8	•
Aberdeen	1016.0	+1	SSW	2	c	50	85	7	-	-	0	A.St.	9	0
Malin Head	1019.7	0	WSW	4	c	50	92	6	4000	St.Cu	10	-	10	4
Renfrew	1019.6	0	WSW	4	c	50	75	7	2500	Cu.	2	Ci.	9	•
Edinburgh (Inchkeith)	1018.4	0	SW	4	c	47	75	8	1500	St.	9	A.Cu	10	2
Leuchars	1017.6	0	SW	4	c	49	85	7	2500	St	8	A.St	10	•
Eskdalemuir	1021.1	0	SW	4	cr°	45	92	6	1500	Nb.	9	-	9	•
Tynemouth	1020.1	+2	W	2	bc	51	75	7	1500	Cu.	4	Ci.	6	1
Blacksod Point	1021.1	0	W	4	c	51	85	7	•	-	0	A.St.	9	5
Donaghadee	1021.4	+1	WSW	1	c-	54	65	8	4000	St.Cu	8	-	8	1
Birr Castle	1023.1	•	SSW	1	c	53	75	8	2500	Cu.	4	Ci.St	9	•
Holyhead	1023.7	0	S	3	c⊕	47	97	6	5700	St.Cu	1	Ci.St	9	1
Liverpool (Bidston)	1023.9	0	W	2	c	49	75	8	4000	St.Cu	1	Ci.St	9	•
Chester (Sealand)	1023.8	+1	WSW	2	bc	52	65	6	4000	St.Cu	2	Ci.	7	•
Harrogate	1022.7	+2	SW'W	5	b	45	85	7	4000	Cu.	1	Ci.	2	•
Spurn Head	1022.3	+1	WNW	4	bc	45	75	7	4000	St.Cu	3	A.St.	6	2
Birmingham (Edgbaston)	1024.6	+1	W	2	bc	51	65	7	2500	St.	1	A.Cu	4	•
Cranwell	1023.9	+2	WNW	3	b-	50	65	7	2500	Cu.	1	-	1	•
Gorleston	1023.9	+2	-	0	bc-	43	92	6	-	-	0	Ci.Cu	3	0
Valentia (Cahirciveen)	1024.6	-1	SW	3	c	52	85	7	1500	St.Cu	6	A.Cu	9	3
Roches Point	1025.1	0	SW	3	c	53	85	8	2500	St.Cu	2	Ci.St	8	0
Pembroke (St. Ann's H.)	1025.1	-1	SW	1	bc	46	92	6	-	-	0	Ci.St.	6	1
Ross-on-Wye	1024.8	+1	W	2	bc	51	55	8	4000	Cu.	1	Ci.	3	•
Leafield	1024.9	+1	WNW	3	bc	51	55	9	4000	St.Cu	7	-	7	•
Winchester (Worthy Dn.)	1025.2	+2	WNW	2	bc-	48	85	7	4000	Cu.	3	-	3	•
S. Farnborough	1025.2	+2	WNW	2	bc	53	45	8	2500	Cu.	2	Ci.	3	•
London (Kew Obsy.)	1025.0	+1	W	2	bc	54	45	6	2500	Cu.	6	-	6	•
Croydon	1025.1	+2	WNW	3	bc+	53	55	6	4000	Cu.	5	-	5	•
Shoeburyness	1024.8	0	NW	1	bc	51	75	6	-	-	0	A.Cu	3	•
Clacton-on-Sea	1024.3	+1	WNW	3	bc	53	55	6	5700	Cu.	6	-	6	0
Felixstowe	1024.4	+3	W'N	1	b-	52	45	7	4000	Cu.	2	-	2	1
Lympne	1024.9	+3	SW	1	bc-	47	85	5	2500	Cu.	7	-	7	•
Scilly (St. Mary's)	1027.0	WNW	1	b	51	85	6	-	-	0	Ci.	1	1
Falmouth (Pendennis)	1027.1	+1	NNW	1	bc-	52	75	8	4000	Cu.	1 2	Ci.	4	0
Plymouth (Cattewater)	1026.6	+1	W	2	bc-	51	85	7	-	-	0	Ci.	3	0
Portland Bill	1025.8	+1	SW	3	bc	45	85	8	2500	Cu.	1	Ci.	3	2
Southampton (Calshot)	1026.1	+2	SW'W	2	bc-	49	75	8	2500	St.Cu	3	-	3	0
Dungeness	1025.2	+2	WSW	3	bc	44	85	7	2500	Cu.	7	-	7	2
Guernsey (Fort George)	1027.6	+1	NW	2	b	47	92	7	-	-	0	Ci.	2	1

London Observations.

Day 7h.-18h., Kew & Croydon. 9h.-18h., Kensington. 3h.-21h., other stations.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Temperature. Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % To-day.	Humidity. 9h. G.M.T. % To-day.	Visibility §§
		24 hours ended 9h.											
Kew	18	cwbcy	bcy	bmfx	56	34	24	Tr.	Tr.	5.5	*	*	
Croydon	264	pmcz°	bcz°y	bcbmw	57	35	29	-	-	6.8	*	*	
Greenwich (Royal Obsy.)	148	c	bcby	cbzbx	58	34	21	-	Tr.	4.2	50	75	4
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	4.8	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	60	35	33	-	-	4.8	45	75	•
Regent's Pk. (Botanic Gdns).	188	•	•	•	•	•	•	•	•		•	•	•
Camden Square	110	c	cbcc	•	59	38	•	-	-	•	•	95	•
Kensington Palace	80	cbc	bc	•	58	37	28	-	-	•	(At 18h) 55	84	•
Hampstead Observatory	450	•	•	•	58	36	26	-	-	6.8	*	80	•

Atmospheric Pollution. Milligrams of Solid impurity per cubic metre.

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

South Kensington	Max.	Time.	Min.	Time.
	1.3	23rd 20h.	<0.3	24th 4h.

Kew Observatory	Max.	Time.	Min.	Time.
	0.5	23rd 22h.	<0.1	23rd 16h.

Pole Star Record at Greenwich Obsy.

Exposure from 23rd ....19h. 30m. to 24th ....4h. 45m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	9.15	9.5	98
δ Ursae Minoris	9.15	8.59	97

Code for state of ground.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 13h. and 18h. reports (Hoar frost in 7h. and 7h. reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

Table showing the Greenwich Times of Sunrise, Noon, and Sunset.

24th to 25th March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.45 / 5.47	12.0 / 11.59	18.11 / 18.12
Greenwich	5.57 / 5.54	12.6	18.17
Wick	6.7 / 6.4	12.19 / 12.19	18.19 / 18.32
Valentia	6.37 / 6.35	12.47 / 12.47	18.58 / 19.0

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)=" hail " or " rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

Symbols.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ☿ = lunar halo.
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; ~ = has decreased; + = has increased.

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.

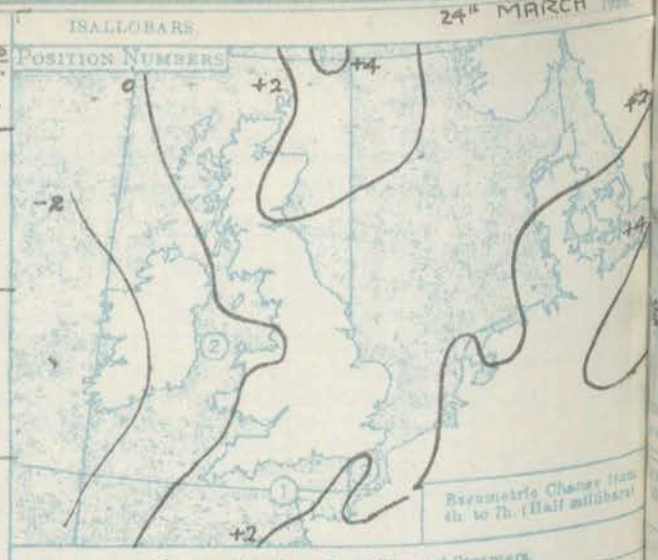
§ Telegraphic Code for Surface Visibility.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2¾ "
6. Moderate.	5½ "
7. Good.	13¾ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

‡ Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	Weather. 7h.-18h. 23rd	Weather. 18h.-18h. 23rd	Weather. 18h. 23rd to 1h. 24th	Weather. 1h.-7h. 24th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall.† Day. 7h.-18h. mm	Rainfall.† Day. 7h.-18h. began.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Night. 18h.-7h. began.	Sun 23rd Hours.
Lerwick	bcpr.c	coir.	coir.bc	bcc	49	43	•	3	<8.00	Tr.	<21.00	4.1
Stornoway	p	p	c	p	52	44	•	4	<8.00	1	2.30	0.5
Wick	b.bc	cpr	cprc	c	49	42	•	0.4	14.30	0.2	<21.00	•
Tiree	bcc	cb	pd.c	pd.c	52	46	45	-	-	0.1	<21.00	1.0
Nairn	bcq	bcjpc	cpr	c	54	47	•	-	-	0.4	24.00	1.4
Aberdeen	bbc	bccjpc	c	c	58	48	45	-	-	-	-	6.2
Malin Head	cbczz.	bcczz.	czz.	czz.	53	46	•	-	-	-	-	5.4
Renfrew	bccp.	cp.c	c	cm.	52	45	41	0.1	09.00	-	-	2.1
Edinburgh (Inchkeith)	b.bc	bcc	ocbc	bcco	49	45	43	-	-	-	-	6.8
Leuchars	bcbbcc	bcc.p.c	c	c	55	45	43	Tr.	16.30	-	-	6.8
Eskdalemuir	bccpr.	cpr.cir.m	cir.bcmaf	off	50	39	40	0.4	9.00	0.1	<21.00	3.8
Tynemouth	bc	bc	bc	bc	57	41	34	-	-	-	-	•
Blacksod Point ...	cbcq	c	c	co	54	48	•	-	•	1	•	•
Donaghadee	bbcc	cbcc	cbc	bcc	58	44	•	-	-	-	-	•
Birr Castle	c	cpr.c		cw	57	43	35	Tr.	14.30	Tr.	-	2.5
Holyhead	bm.c	bcc	prcm.w	cmfm.	62	44	43	-	-	Tr.	<21.00	5.8
Liverpool (Bidston) ...	cbcb	bcc	cw	cw	52	45	38	-	-	-	-	8.1
Chester (Sealand) ...	bmmbcq	bcyz.	bcz.	c	54	44	34	-	-	-	-	8.7
Harrogate	cbbc	b	b	bbc	53	41	34	-	-	-	-	9.7
Spurn Head	cbc	bc	bc	bc	50	38	•	-	-	-	-	6.9
Birmingham (Edgbaston)	bbc	bc	bc	bcc	55	40	37	-	-	-	-	7.3
Cranwell	bc	cb	b.cbm.	bm.bc	55	39	36	-	-	-	-	8.5
Gorleston	bccq	cbc	bcb	bccm.	55	38	35	-	-	-	-	6.0
Valentia (Cahirciveen)	c	c	c	cir.c	56	49	48	-	-	2	5.30	3.3
Roches Point	bcc	c	cbcwcw	cir.	55	47	•	-	-	1	5.30	•
Pembroke (St. Ann's H.)	bbcm.	bcm.	bbcifm	offe	60	44	•	-	-	Tr.	-	9.0
Ross-on-Wye	bbcebc	bcycbcy	bcw	bwbcc	57	36	28	-	-	-	-	8.0
Leafield	fbbc	bc	b	bf	55	33	29	Tr.	-	Tr.	-	7.1
Winchester (Worthy Dn.)	cm.bcy	bcy	bcbx	bxff	57	28	23	-	-	Tr.	-	6.8
S. Farnborough ...	obcy	bcy	bcyb	bx.	?	28	22	-	-	Tr.	-	6.7
London (Kew Obsy.) ...	cwbcy	bcy	bm	bfx	56	34	24	Tr.	-	Tr.	-	5.5
Croydon	omcz.	bczy	bcz.b	bm.w	57	35	29	-	-	-	-	6.8
Shoeburyness	bmbcm.	bc	bcb	bm	59	33	-	-	-	-	-	8.8
Clacton-on-Sea ...	bc	bc	bcz	bcz	56	37	32	-	-	-	-	8.3
Felixstowe	bzbcy	cby	bm.	bcm.w	56	37	28	-	-	-	-	9.4
Lympne	bbcm.g	bczym.	bcbcm.	bcbxm.	56	39	27	-	-	-	-	8.9
Scilly (St. Mary's) ...	bm.	bm.	bcif	bccoffm	65	46	•	-	-	-	-	9.1
Falmouth (Pendennis)	bc	bc	bcoF	oF	55	43	•	-	-	-	-	9.8
Plymouth (Cattewater)	bFFbc	bcc	bcbm	boFefe	52	40	33	Tr.	-	0.1	-	7.7
Portland Bill	bcb	bbc	bcbwz.	bcz	49	42	•	-	-	-	-	•
Southampton (Calshot)	bcm.	bc	bcbw	bwbm.x	54	34	26	Tr.	-	Tr.	-	7.3
Dungeness	cbc	bc	bcbw	bbcb	50	34	•	-	-	-	-	•
Guernsey	bcb	b	bbccm.	cofFFe	52	43	•	-	-	0.2	-	10.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	23rd 10h	Cambria	SW'S	3	bc-	46	47	7
1	" "	St. Julien	NW'W	3	bc	48	47	7
3	24th 2h	Brighton	W	2	bc	43	43	7

GENERAL INFERENCE.

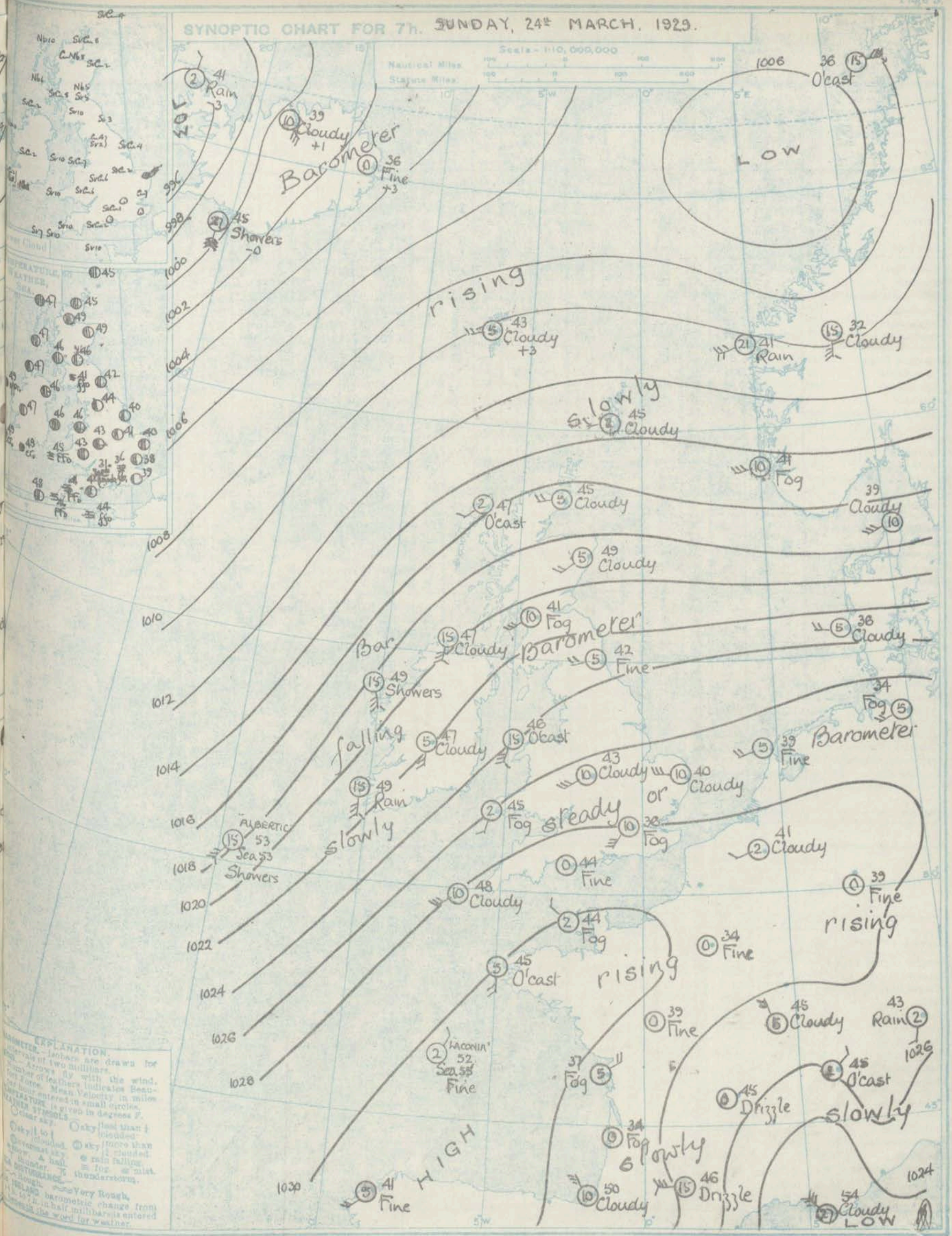
An extensive area of high pressure extends from the Azores to Western Europe. A depression near Iceland is almost stationary and associated secondaries will move northeastwards across western and northern districts of the British Isles. In the West and North weather will be rather unsettled with light rain or drizzle, but over most of England weather will continue fair for a time.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Sunday, 24th March, 1929.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light southwest winds; fine; rather high day temperatures; slight ground frost at night.	Rather unsettled in the West and North; fair weather continuing over most of England.
5. S.W. England 6. South Wales	Light to moderate southwest winds; fair; mild.	
7. North Wales 8. N.W. England	Light to moderate northwest winds; cloudy; local rain or drizzle; mild.	
9. N. Midlands 10. N.E. England	As 5 - 6.	
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Light to moderate southwest winds; bright at first, cloudy with local rain or drizzle later; mild.	
13. A. W. Scotland B. NW. Scotland 14. Mid-Scotland	Light to moderate southwest winds; cloudy, some rain or drizzle; mild.	
15. N.E. Scotland 16. Orkneys and Shetlands	As 11.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light to moderate southwest winds, fresh locally; cloudy, occasional light rain or drizzle; mild.	L.D.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1100 G.M.T. G. C. SIMPSON, F.R.S., Director.

* For code see page 1

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



EXPLANATION.

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

WIND.—Arrows fly with the wind. Number of feathers indicates Beaufort Force. Mean Velocity in miles per hour entered in small circles.

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS

Clear sky.

Sky 1 to ½ clouded.

Sky less than ½ clouded.

Overcast sky.

Sky more than ½ clouded.

Snow. ▲ hail.

Thunder. ⚡ thunderstorm.

SEA DISTURBANCE.

Rough. Very Rough.

IRELAND barometric change from 7 to 7 h. in half millibars is entered beneath the word for weather.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....SUNDAY 24th MARCH.....1929. No...83...

Observations at 1h. G.M.T.....24th.....

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-6	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1009.6	+1	W'S	2	bc	46	92	8	1500	Cu	2	Ci	4
Stornoway	36	1015.1	+3	W	3	c	*	*	7	*	*	*	*	8
Wick	81	1015.1	+1	W	2	c	46	92	8	1500	CuNb	8	ASt	10
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	37	* 8	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	51	1020.8	+1	WSW	3	c	48	97	6	4000	StCu	9	-	9
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1019.3	+1	SW	4	bc	45	85	8	1500	St	2	ACu	5
Lenchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	87	1022.9	+1	SW	2	bc	44	92	6	1500	Cu	5	-	5
Blacksod Point ...	16	1020.1	0	W	4	c	50	85	7	*	-	0	ASt	9
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	178	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	50	1024.3	0	S'W	3	c	46	97	6	6700	StCu	5	CiSt	9
Liverpool (Bidston)...	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	29	1024.5	0	NW'W	2	bc-	41	92	6	4000	StCu	4	-	4
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	236	1025.8	+1	WSW	3	bw	42	86	6	-	-	0	CiSt	2
Gorleston	14	1026.2	+2	W'N	2	b	42	85	6	-	-	0	-	0
Valentia (Cahirciveen)P	30	1023.3	-1	SSW	3	c	52	92	7	*	St	9	-	9
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	150	1026.0	0	S	1	ifo	46	97	2	220	St	10	-	10
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	237	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...	18	*	*	*	*	*	41	*	*	*	*	*	*	*
Croydon	244	1027.3	+2	SW'S	2	b	37	92	6	-	-	0	-	0
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1027.1	+1	NNW	3	bc	41	86	6	7200	StCu	3	-	3
Scilly (St. Mary's) ...	163	1027.5	0	SW'W	3	bc	48	97	5	1600	St	7	-	7
Falmouth (Pendennis)	200	1028.1	+1	-	0	FFo	43	97	0	<150	St	10	-	10
Plymouth (Cattewater)	63	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	32	1027.2	+1	W	1	b	43	92	6	-	-	0	-	0
Southampton (Calshot)	10	1027.7	+1	WSW	2	b	38	97	7	-	-	0	Ci	1
Dungeness	20	1027.2	+2	NW	1	b	39	92	7	-	-	0	-	0
Guernsey (Fort George) P	205	1029.4	+1	WSW	1	b-	45	97	5	-	-	0	-	0

Observations at 7h. G.M.T.....24th.....

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-6	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-8
Lerwick	1013.6	+4	W'S	1	c	45	85	8	1500	StCu	4	ASt	9	*
Stornoway	1015.5	+1	SW	1	o/r	47	97	6	2500	Nb	10	-	10	1
Wick	1016.2	+1	WSW	2	c	45	92	8	2500	StCu	8	CiSt	10	0
Tiree	1020.0	+1	S	3	c	47	97	7	1500	Nb	6	ACu	8	2
Nairn	1017.2	*	W	1	c	49	85	8	1500	CuNb	8	-	8	*
Aberdeen	1018.2	+2	SW	2	c	49	85	8	4000	StCu	2	ACu	8	0
Malin Head	1019.3	-1	SSW	4	c-	47	92	6	6700	StCu	2	ACu	8	2
Renfrew	1020.7	+1	SW	3	c	46	97	6	1500	StCu	8	ASt	10	*
Edinburgh (Inchkeith)	1019.5	0	WSW	4	bc-	46	85	7	1500	St	5	Ci	7	1
Lenchars	1019.7	+3	WSW	4	cjp	47	92	7	2500	Nb	5	ASt	9	*
Eskdalemuir	1022.7	+1	S'W	2	ffo	41	97	2	<150	St	10	-	10	1
Tynemouth	1022.4	0	WSW	2	bc	42	85	6	800	St	3	Ci	5	1
Blacksod Point ...	1018.7	-3	SSE	4	o/pr.	49	85	7	*	Nb	10	-	10	7
Donaghadee	1021.7	0	SW'W	1	c-	46	85	8	4000	StCu	3	ASt	8	1
Birr Castle	1021.4	*	S	2	c	47	92	57	4000	StCu	2	ASt	10	*
Holyhead	1023.7	0	SSW	4	o	46	97	6	450	St	10	-	10	1
Liverpool (Bidston)...	1024.5	0	W'S	4	c-	46	85	7	4000	StCu	7	CiCu	9	*
Chester (Sealand) ...	1024.6	+1	SE	2	c	48	86	7	2500	St	9	-	9	*
Harrogate	1024.6	0	SSW	3	bc	44	85	5	2500	Cu	6	-	6	*
Spurn Head	1024.5	0	W'N	3	bc	40	92	6	6700	StCu	4	CiCu	6	2
Birmingham (Edgbaston)	1026.5	0	SW	3	c	43	92	8	6700	StCu	6	ACu	8	*
Cranwell	1025.8	0	WSW	3	bc	41	86	6	6700	StCu	2	Ci	4	*
Gorleston	1026.3	+1	W	3	c	40	85	6	-	-	0	ACu	9	0
Valentia (Cahirciveen)P	1020.2	-3	S	4	cr.	49	97	7	800	Nb	10	-	10	4
Roches Point	1024.3	-2	SW	3	cr.	49	97	8	1500	Nb	9	-	9	4
Pembroke (St. Ann's H.)	1025.4	-1	SSW	1	FFo	45	97	1	<150	St	10	-	10	0
Ross-on-Wye	1026.5	0	SSW	3	c	43	86	6	4000	StCu	6	CiSt	8	*
Leafield	1027.2	0	SW	3	Fbc-	34	97	1	-	-	0	CiSt	3	*
Winchester (Worthy Dn.)	1028.1	0	-	0	mmbc	29	97	4	5700	StCu	1	Ci	4	*
S. Farnborough ...	1028.0	0	NW'W	1	mmb	31	97	4	-	-	0	CiSt	1	*
London (Kew Obsy.)...	1028.0	+1	SW	1	fb-	36	97	2	-	-	0	Ci	2	*
Croydon	1027.7	0	SW'S	2	b	37	97	6	-	-	0	Ci	2	*
Shoeburyness	1027.7	+1	W	1	bc	41	97	5	-	-	0	CiSt	3	0
Clacton-on-Sea ...	1027.4	+1	WNW	4	bc	38	92	6	6700	Cu	7	-	7	1
Felixstowe	1027.4	+1	W'N	1	bc	38	86	6	4000	StCu	4	-	4	*
Lympne	1027.7	+1	W'S	2	b-	40	86	6	-	-	0	-	0	*
Scilly (St. Mary's) ...	1027.2	0	SW'W	3	c	48	97	5	2500	St	7	CiCu	9	1
Falmouth (Pendennis)	1027.5	0	-	0	FFo	46	97	0	<150	St	10	-	10	0
Plymouth (Cattewater)	1028.3	0	ENE	1	FFo	41	97	1	<150	St	10	-	10	0
Portland Bill	1027.6	0	-	0	bc	44	92	6	4000	StCu	2	Ci	7	2
Southampton (Calshot)	1028.3	0	SW	2	b	35	97	5	-	-	0	Ci	2	0
Dungeness	1027.9	+2	SW	1	b-	39	92	6	-	-	0	Ci	2	2
Guernsey (Fort George) P	1029.5	+2	NW	1	ffo	44	97	2	<150	St	10	-	10	0

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.-23rd to 9h. 23rd °F.	Temperature. Max. 9h.-17h. 23rd °F.	Rainfall.† Night 17h.-9h. 22nd-23rd mm.	Rainfall.† Day 9h.-17h. 23rd mm.	Sunshine. Sunrise to 17h. 23rd hr.	Sunshine. Sunrise to Sunset. 22nd hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	bc	bc	39	55	-	-	8.8	8.5
Douglas (I. o. M.) ...	bbcc	bbcc	42	52	1	-	7.0	4.6
Llandudno ...	bc	bc	44	55	-	-	8.8	9.6
Colwyn Bay ...	cb	b	44	56	-	-	8.8	10.0
Rhyl...	b	bc	38	55	-	-	9.5	9.5
Wallasey	b	bbc	41	51	-	-	8.8	7.1
Southport	b	bbccb	*42	51	-	-	8.6	4.9
Blackpool	bc	bbc	41	50	0.5	-	6.5	5.6
Ilkley	b	b	38	55	-	-	8.1	2.8
Cleethorpes... ...	bbc	bbc	37	56	-	-	8.5	7.8
Skegness	ocbcc	bco	35	58	-	-	7.6	5.7
Aberystwyth ...	bcc	bcc	43	48	-	-	5.6	7.2
Bath	cbcb	bbcb	43	56	-	-	6.6	2.7
Cheltenham‡ ...	b	bbc	36	57	-	-	8.4	5.7
Leamington Spa ...	bcc	c	35	57	-	-	6.0	4.0
Lowestoft	b	b	38	57	-	-	6.8	0.6
Harwich & Dovercourt	bw	bobcm	39	57	-	-	9.2	0.8
Maldon	b	bc	33	57	-	-	7.5	1.1
Southend	bc	bc	37	60	0.2	-	8.3	0.6

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	wb	b	41	51	-	-	9.2	8.1
Penzance	b	b	44	57	-	-	9.6	10.2
Paignton	bwbc	bcy	37	55	-	-	8.8	5.7
Torquay	bbc	b	39	56	-	-	7.9	6.3
Jersey	bcb	bcb	43	54	-	-	9.3	0.7
Weymouth	b	b	39	56	-	-	10.0	3.7
Bournemouth ...	b	bbc	38	58	-	-	9.4	4.0
Ventnor ...	b	bx	41	54	-	-	10.5	4.7
Portsmouth (S'thsea)	b	b	37	58	-	-	7.0	3.0
Bognor	cbc	bcb	36	55	-	-	7.2	1.8
Littlehampton ...	bc	bc	35	54	-	-	8.0	1.0
Worthing	b	b	36	55	-	-	9.7	1.5
Brighton	bbcc	bcb	36	50	1	-	8.4	0.3
Eastbourne‡... ...	b	b	39	54	Trace	-	10.6	0.7
Hastings‡	cbcb	bbcb	38	53	1	-	9.6	0.6
Folkestone	bxbcm	cm	41	55	3	-	7.5	0.3
Dover	mb	mbbcc	42	45	3	-	6.9	0.0
Tunbridge Wells ...	bc	bc	36	58	-	-	7.8	0.8
Ramsgate	b	bbcm	41	56	5	-	10.1	0.2
Margate	bc	bc	41	55	4	-	10.2	0.4
Deal	bbc	bbc	41	56	5	-	6.7	0.1

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* Information not usually received. P The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. ‡ For code see page 1. †‡ See footnote page 1.

† At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ‡ 12h.-9h.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24595 MONDAY 25th MARCH 1929.

Observations at 13h. G.M.T. 24th

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0–12	Weather	Temp. °F.	Humidity %	Visibility§ 0–9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Cloud Upper Form	Cloud Total Amt. 0–10	State of ground
Lerwick	1015·3	0	W	1	bc	49	65	8	1500	Cu	4	CiSt	6	•
Stornoway	1015·3	0	SW	2	c	51	85	6	2500	Nb	9	–	9	•
Wick	1016·7	0	WSW	3	bc	49	85	8	2500	Cu	5	CiSt	7	•
Tiree	1016·8	-1	SSW	5	bc	49	97	7	1500	Nb	2	ACu	7	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1018·2	-1	SW'W	3	bc	61	65	8	4000	Cu	4	–	4	1
Malin Head	1017·0	-1	S	5	c	51	86	7	4000	StCu	9	–	9	•
Renfrew	1020·0	-2	SSW	4	c	56	65	7	2800	Cu	8	–	8	1
Edinburgh (Inchkeith)	1020·0	0	WSW	3	bc	51	65	7	4000	Cu	3	ACu	4	•
Leuchars	1019·6	-1	WSW	4	bc	57	65	7	4000	CuNb	3	ACu	4	1
Eskdalemuir	1022·7	-1	S'W	4	ffo	43	97	2	<150	St	10	–	10	2
Tynemouth	1021·6	-1	SW	4	bc	55	65	6	1500	Cu	4	Ci	5	•
Blacksod Point	1015·4	-1	S	4	bc	53	75	8	•	Cu	5	–	5	•
Donaghadee	1020·7	-2	SSW	3	c	51	76	7	4000	StCu	4	ASt	8	•
Birr Castle	1019·0	•	SW	4	c	56	75	7	2500	Cu	8	ACu	10	•
Holyhead	1028·4	-1	S'W	4	od₀	47	97	4	220	Nb	10	–	10	1
Liverpool (Bidston)	1024·0	-1	WSW	5	c	53	65	8	2500	StCu	6	Ci	8	•
Chester (Sealand)	1024·1	-1	SW	4	c	55	65	7	2500	StCu	5	ASt	8	1
Harrogate	1023·5	-1	SW	3	c	54	65	6	4000	StCu	6	CiSt	9	•
Spurn Head	1024·1	0	W	2	bc	56	65	6	4000	StCu	3	ACu	6	•
Birmingham (Edgbaston)	1026·5	0	SSW	3	c/pr₀	50	85	8	2500	Nb	7	ASt	9	1
Cranwell	1025·5	-1	W'S	4	bc-	59	55	7	4000	Cu	4	ACu	5	0
Gorleston	1026·2	-1	SW'W	3	bc	60	45	6	4000	Cu	3	Ci	4	•
Valentia (Cahirciveen)	1015·3	0	S'W	5	or₀	53	92	6	800	St	10	–	10	1
Roches Point	1022·2	-3	SW	5	cr₀	50	97	6	800	Nb	9	–	9	•
Pembroke (St. Ann's H.)	1025·0	0	SSW	3	fo+-	47	97	3	450	St	10	–	10	•
Ross-on-Wye	1025·8	0	WSW	3	c	52	75	7	4000	Cu	8	ASt	10	1
Leafield	1026·6	+1	SW	3	bc	51	75	8	4000	Cu	1	ASt	7	0
Winchester (Worthy Dn.)	1027·0	-1	SSW	4	c	57	55	7	4000	StCu	5	ASt	9	0
S. Farnborough	1027·0	-1	SW'W	3	c+	60	45	7	2500	Cu	5	CiSt	8	0
London (Kew Obsy.)	1027·0	-3	SW	2	bc	56	45	8	2500	Cu	5	Ci	7	0
Croydon	1026·9	-2	WSW	3	bc+	57	55	7	4000	Cu	6	Ci	7	1
Shoeburyness	1027·2	0	S	2	bc	57	75	6	–	–	0	CiSt	3	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1027·1	-2	S'W	3	b	53	55	7	4000	Cu	1	Ci	2	0
Lympne	1027·4	-2	SW	4	bc+	54	65	6	4000	Cu	7	–	7	0
Scilly (St. Mary's)	1027·7	0	S'W	4	c	52	92	6	4000	StCu	10	–	10	•
Falmouth (Pendennis)	1027·3	0	SW'W	3	c-	51	85	7	4000	StCu	8	–	8	•
Plymouth (Cattewater)	1028·1	-1	SSW	3	o/r	47	97	6	220	St	10	–	10	1
Portland Bill	1028·3	0	SW	1	c	45	97	5	1500	St	8	ASt	10	•
Southampton (Calshot)	1028·6	-1	SW	5	c+	48	85	6	800	St	8	–	8	0
Dungeness	1028·3	+1	SW	3	bc+	46	85	7	2500	Cu	2	CiCu	4	•
Guernsey (Fort George)	1029·8	-1	SW	2	c	46	92	7	1500	StCu	6	ASt	10	•

Observations at 18h. G.M.T. 24th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0–12	Weather	Temp. °F.	Humidity %	Visibility§ 0–9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Cloud Upper Form	Cloud Total Amt. 0–10	Sea 0–9
Lerwick	1014·8	-1	SW	1	o/r	46	92 [97 corrected]	7	1500	Nb	10	–	10	•
Stornoway	1012·4	-3	SW	4	o/pr₀	48	85	6	2500	Nb	10	–	10	3
Wick	1015·2	-3	WSW	2	bc	45	97	8	2500	StCu	3	–	3	0
Tiree	1011·8	-2	S'W	5	o	49	97	7	1500	Nb	10	–	10	4
Nairn	1014·6	•	W	2	bc	50	75	8	4000	Cu	6	–	6	•
Aberdeen	1017·2	0	SSW	2	b-	53	75	6	4000	Cu	1	Ci	1	0
Malin Head	1014·6	-2	SW	3	bc-	50	85	7	4000	Cu	2	CiCu	7	1
Renfrew	1017·5	-3	S	4	c	50	85	7	2500	Cu	9	–	9	•
Edinburgh (Inchkeith)	1018·7	-2	SSW	3	c+	46	85	7	800	St	6	ASt	9	1
Leuchars	1018·2	-1	S	3 [5 corrected]	bc	48	85	7	4000	StCu	4	CiSt	5	•
Eskdalemuir	1019·9	-2	S'W	4	ffo	44	97	2	<150	St	10	–	10	•
Tynemouth	1021·2	-1	SW	2	bc	50	75	6	1500	Cu	4	Ci	6	1
Blacksod Point	1013·9	-2	W	4	or r	52	83	7	•	Nb	10	–	10	7
Donaghadee	1018·6	-2	SSW	2	c/pr₀	48	92	7	4000	Nb	8	–	8	2
Birr Castle	1018·1	•	WSW	1	or₀r₀	52	92	6	1500	St	10	–	10	•
Holyhead	1020·7	-2	S'W	4	od₀	47	97	5	220	St	10	–	10	3
Liverpool (Bidston)	1022·4	-1	WSW	4	c	51	75	9	2500	Nb	4	ASt	8	•
Chester (Sealand)	1022·9	-1	SSW	3	c	53	65	7	1500	St	7	ASt	9	•
Harrogate	1022·5	-1	SW'S	3	c/pr₀	49	65	7	4000	Nb	6	CiSt	9	•
Spurn Head	1023·2	0	W'N	3	c	49	85	7	4000	StCu	4	ASt	8	2
Birmingham (Edgbaston)	1024·9	-1	SW	2	bc-	51	75	8	2500	CuNb	3	Ci	5	•
Cranwell	1025·8	0	SW	3	c+	52	65	6	–	–	0	ASt	9	•
Gorleston	1025·3	-1	SW'S	3	bc	53	65	6	4000	Cu	4	Ci	5	0
Valentia (Cahirciveen)	1019·6	+1	SSW	4	cr₀	52	92	6	800	St	10	–	10	4
Roches Point	1022·1	0	SW	4	cr₀	51	92	6	1500	Nb	9	–	9	4
Pembroke (St. Ann's H.)	1023·3	-2	SW	4	odd	47	97	5	800	StCu	10	–	10	3
Ross-on-Wye	1024·9	-1	WSW	3	c	51	65	7	4000	StCu	8	–	8	•
Leafield	1025·6	-1	W'S	3	bc-	51	65	8	2500	CuNb	1	Ci	5	•
Winchester (Worthy Dn.)	1026·9	0	SSW	3	c	50	75	7	2500	StCu	3	Ci	8	•
S. Farnborough	1026·9	+1	SW'W	3	bc	49	85	7	5700	St	1	Ci	7	•
London (Kew Obsy.)	1026·2	0	SSW	3	c+	53	65	5	4000	St	5	Ci	8	•
Croydon	1026·4	0	SW'S	3	c	52	65	6	–	–	0	Ci	8	•
Shoeburyness	1026·1	-1	SW	3	bc	54	85	6	–	–	0	CiSt	6	•
Clacton-on-Sea	1025·7	-1	S	3	bc	44	85	7	4000	Cu	4	ACu	6	1
Felixstowe	1026·1	0	S'W	2	bc	42	85	7	4000	StCu	1	Ci	3	1
Lympne	1027·4	0	SW'S	3	FFo	41	97	1	<150	St	10	–	10	•
Scilly (St. Mary's)	1026·2	-1	SSW	4	c	51	92	6	4000	Cu	6	Ci	8	2
Falmouth (Pendennis)	1027·0	0	SW'S	4	bc-	50	92	7	4000	StCu	4	CiSt	7	1
Plymouth (Cattewater)	1027·3	0	SW	4	c-	47	97	6	<150	St	9	–	9	0
Portland Bill	1026·9	-1	SSW	3	FFo	45	97	1	450	St	10	–	10	1
Southampton (Calshot)	1027·7	-1	SW'W	4	c	47	85	6	800	St	8	ASt	10	0
Dungeness	1027·2	+1	WSW	4	FFo	41	97	1	<150	St	10	–	10	3
Guernsey (Fort George)	1029·1	-1	WSW	1	bc	44	97	5	–	–	0	ACu	5	0

London Observations. Day 7h–18h, Kew & Croydon. 9h–18h, Kensington. 9h–21h, other stations. Weather: 24 hours ended 9h. Sunshine and Humidity 13h: Yesterday. Humidity 18h: To-day.

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Max. Day °F.	Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 13h. G.M.T. %	Humidity 18h. G.M.T. %	Visibility§
Kew	18	bm bcy	cz	czbcc	59	45	40	–	0·2	6·5	•	•	6
Croydon	264	bcy	bccy	bccm₀	60	43	38	–	Tr	6·5	•	•	6
Greenwich (Royal Obsy.)	149	bcy z	bczy	czcm bc	62	44	33	–	Tr	6·6	50	85	5
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	3·4	•	•	•
Westminster (St. James' Pk.)	37	•	•	•	61	46	45	–	–	5·8	95	90	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	5·2	•	•	•
Camden Square	110	bbc	bcc	•	62	45	–	–	–	•	•	94	•
Kensington Palace	80	bbc	bc	•	61	46	40	–	0·2	•	(At 18h) 74	92	•
Hampstead Observatory	450	•	•	•	60	42	36	–	Tr	5·8	•	93	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 25th

South Kensington Max.	Time	Min.	Time
1·0	24th 18h	<0·3	25th 1–6h

Kew Observatory Max.	Time	Min.	Time
0·2	24th 21h	0·1	25th 3h

Pole Star Record at Greenwich Obsy.

Exposure from 24th 19 h. 30 m. to 25th 4 h. 45 m.

Stars	Exposure h. m.	Record h. m.	%
Polaris	9.15	2.02	22
δ Ursae Minoris	9.15	1.28	14

Code for State of Ground.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Stating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7=Snow (thin layer often not continuous).
8=Snow (deep impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

Table showing the Greenwich Times of Sunrise, Noon, and Sunset. 25th + 26th March, 1929.

Stations	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	5·47 / 5·46	11·59 / 11·59	18·12 / 18·14
Greenwich	6·54 / 6·52	12.6 / 12.6	18·19 / 18·21
Wick	6·4 / 6·1	12·19 / 12.18	18.36 / 18.37
Valentia	6.35 / 6.33	12.47 / 12.47	19.0 / 19.2

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain. rr = continuous rain.

Symbols.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♁ = lunar halo.
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; – = has decreased; + = has increased.

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

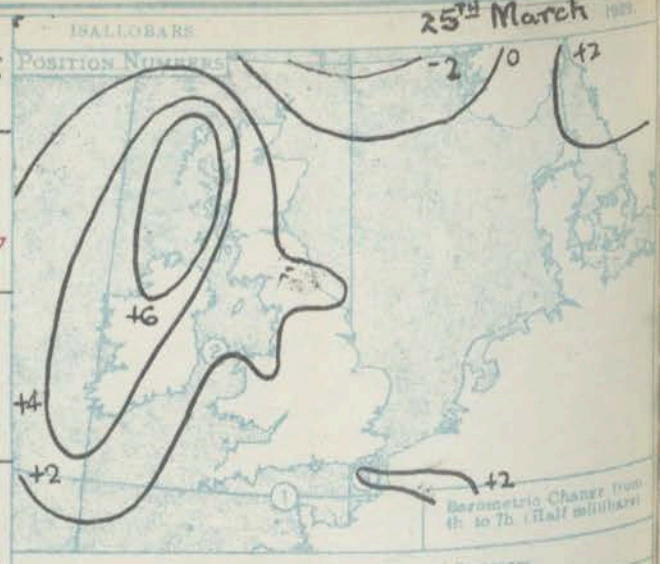
§ Telegraphic Code for Surface Visibility. Objects not visible at

Code	Distance
0. Dense fog.	55 yards.
1. Thick fog.	220 „
2. Fog.	550 „
3. Moderate fog.	1,100 „
4. Mist or haze.	1½ miles.
5. Poor visibility.	2½ „
6. Moderate.	6¼ „
7. Good.	12½ „
8. Very good.	31 „
9. Excellent visibility, beyond 31 m.	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-13h. 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	began.	Night, 18h.-7h. mm	began.	Sun 24th Hours.
Lerwick	cbc	bcoir.	c	c	51	44	•	0·4	14·30	–	–	1·5
Stornoway	ED	bccp.r	crro	p	51	42	•	0·1	17·30	2	<21.00	4·5
Wick	ir.bc	b	b-bc	crorc	49	44	•	0·4	<08.00	1	2.30	•
Tiree	cbcc	cPR.	ocbc	prc	51	43	40	0·6	16·30	2	2.30	3·1
Nairn	cbc	bc	bc	bcpr	57	46	•	–	–	0·4	<21.00	4·~~8~~7
Aberdeen	cp.rcbc	bcbz	bz.bcc	cprbc	61	48	40	Tr	0900	0·6	4.30	3·8
Malin Head	cp.c	cbc	bccr.c	c	55	45	•	Tr	0900	1	22.00	2·0
Renfrew	c	cp.c	cor	rrcd.	56	47	43	Tr	15·30	2	24.00	2·5
Edinburgh (Inchkeith)	b	bcc	cir.	oro.r.bc	54	45	39	–	–	0·1	<21.00	6·8
Leuchars	cbcbc	bc	bc	bcw	58	45	39	–	–	–	–	7·9
Eskdalemuir	olf	offe	ofir.orm	ormc	45	42	41	Tr	–	4	<21.00	0·0
Tynemouth	bcq	bc	bc	cbc	59	45	42	–	–	–	–	•
Blackpool Point ...	bc	R r.	bc	pbc	55	44	•	2	•	1	•	•
Donaghadee	c	cpr	cpr.	pr. bc	52	45	•	0·2	13·30	0·3	<21.00	•
Birr Castle	bcby	cororr		r.cro	56	48	45	2	1430	4	<21.00	0·8
Holyhead	ffm	id.m	r r.r.	r.r.cm.	48	47	46	Tr	12·30	5	<21.00	0·0
Liverpool (Bidston) ...	c	cqvcv	vcrf	c	54	47	43	–	–	2	<21.00	0·6
Chester (Sealand) ...	c	c	cir	cm.	57	48	46	–	–	1	<21.00	1·7
Harrogate	bcc	cP.	cbcc	cbccp.	54	47	44	Tr	17·30	Tr	5.30	2·0
Spurn Head	bc	bcc	cpr.	crrc	60	43	•	–	–	2	24.00	8·5
Birmingham (Edgbaston)	cbcc	cc	bccr.bcp	cr	54	45	43	Tr	12·30	1	22.00	2·8
Cranwell	cbc	bcyc	c.bcl	cr.cr	59	46	43	–	–	3	2400	4·1
Gorleston	cbmbcy	bc	bc.b	bccq	61	42	39	(Tr)	–	–	–	6·5
Valentia (Cahirciveen)	coir	cr.r.	cr.cr	crcp.	53	49	46	7	<0800	4	<2100	0·1
Roches Point	cir.	cir.	c.r.c	ccp.c	52	50	•	3	0800	3	<2100	•
Pembroke (St. Ann's H.)	off	ocp.m	cirm	oir.f	47	46	•	0·3	14·30	1	<2100	~~1·3~~ 0·1
Ross-on-Wye	c	c	cbcc	corbcb	54	47	43	–	–	2	3.30	1·9
Leafield	bcfobc	cbc	bc	bccm	55	43	37	Tr	–	0·2	6.30	0·9
Winchester (Worthy Dn.)	bcfmczy	cy2.c	c	com.r.	58	45	45	–	–	0·2	5.30	5·0
S. Farnborough ...	bmbbcy	cycbc	bcc	cr.m.	61	44	40	–	–	Tr	6.30	5·8
London (Kew Obsy.) ...	bm.bcy	cz	czbcc	cr.	59	45	40	–	–	0·2	6.30	6·5
Croydon	bcy	bccy	bccm.	cm.pr.	60	43	38	–	–	Tr	6.30	6·5
Shoeburyness	bm.	bcm.	bcbm.	cm.	58	41	37	–	–	–	–	7·9
Clacton-on-Sea ...	bcz	bcz	bc	bcc	49	40	35	–	–	–	–	8·7
Felixstowe	bcz.y	bz.bc	bcbw	om.	56	39	33	–	–	–	–	8·8
Lympne	bbcm.	bcboFF	oFom.	om.Fdd	56	38	36	–	–	Tr	<21.00	8·7
Scilly (St. Mary's) ...	cm.	cm.	bccm.	cm.or	54	49	•	–	–	0·2	5.30	0·0
Falmouth (Pendennis)	oFo	cq	bccm.	cm.r.	55	49	•	–	–	Tr	6.30	0·9
Plymouth (Cattewater)	oFer	om.	com.e	om.e	48	46	44	Tr	0800	Tr	–	0·0
Portland Bill	boofom.	oF	oF	oFddF	46	43	•	–	–	Tr	3.30	•
Southampton (Calshot)	bxm.bcm.	cocm.	om.d.om	om.rrm	53	44	43	–	–	1	<21.00	5·1
Dungeness	bbc	bcoff	of.o. of	ofF	48	41	•	–	–	–	–	•
Guernsey	offemc	cbcm.e	bcm.cifb	bcicofe	47	42	•	–	–	Tr	–	1·8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
3	25th 2h	"Arundel"	W	2	i fo	44	44	5

GENERAL INFERENCE.

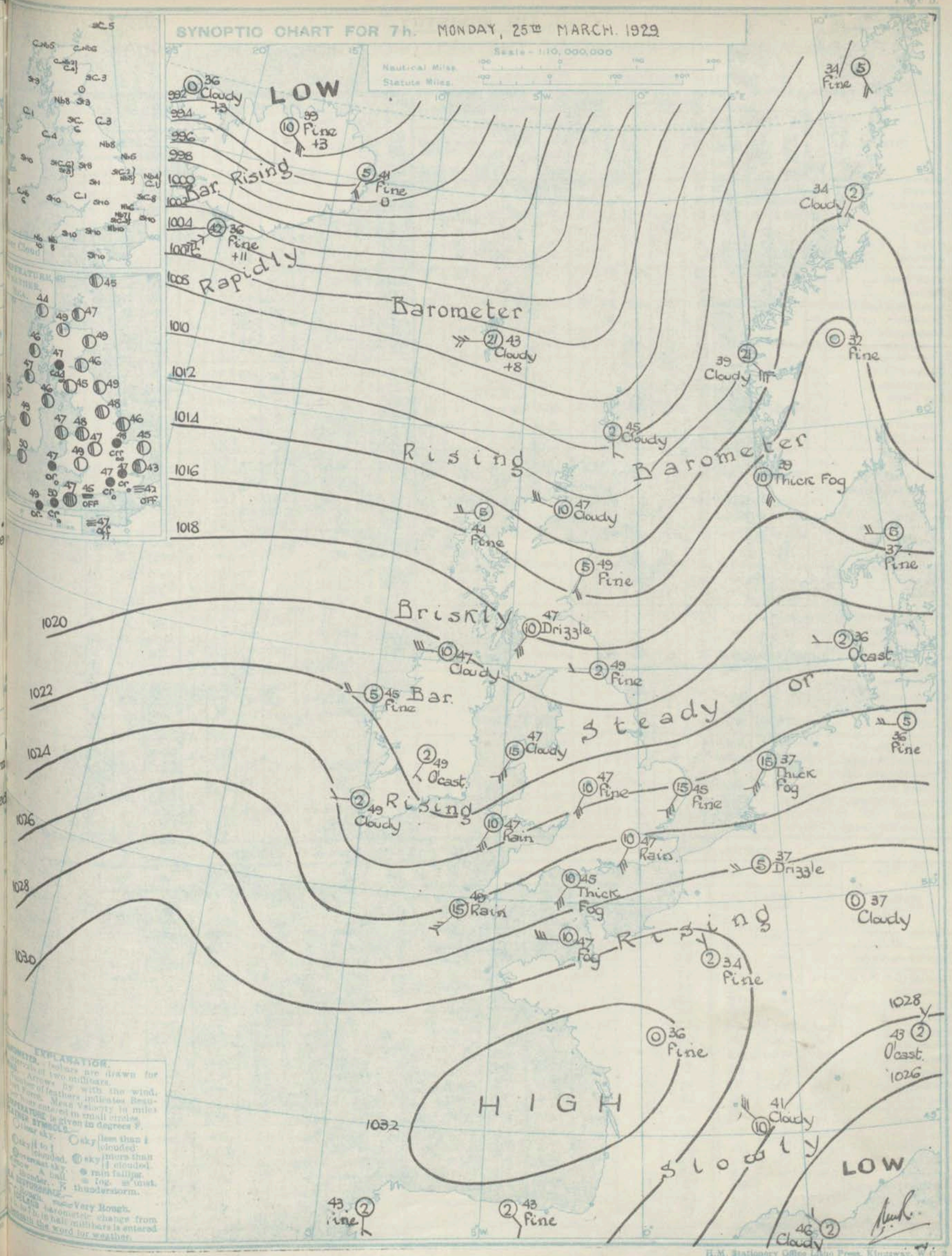
Pressure is high from east of the Azores to Southern Russia, while depressions are moving northeast across Iceland. A shallow trough of low pressure crossing Southern England will cause slight rain at first in that area, but otherwise weather will be mainly fair.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Monday, 25th March, 1929.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind S.W., veering W. to N.W., light or moderate; cloudy today, occasional slight rain; fine tomorrow; some fog on south coast at first; mild.	Fair in Southern and Eastern England. Unsettled in northwest districts, Mild for some days.
4. W. Midlands 5. S.W. England 6. South Wales	Wind veering W. to N.W., light or moderate; becoming fair; mild.	
7. North. Wales 8. N.W. England 9. N. Midlands	Wind W., light or moderate; mainly fair but local showers; mild.	
10. N.E. England 11. S.E. Scotland	Wind W., light or moderate; fair; mild.	
12. S.W. Scotland & Isle of Man 13. A. W. Scotland B. N.W. Scotland 14. Mid-Scotland	As 7 - 9.	
15. N.E. Scotland	As 10 - 11.	
16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 7 - 9.	

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

† For code see page 1

† Trace = rain has fallen, but amount less than 0·1 mm.


SYNOPTIC CHART FOR 7h. MONDAY, 25TH MARCH. 1929
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
Bar. Rising Rapidly
Barometer
Rising Barometer
Briskly
Bar.
Steady or
Rising
Rising
HIGH
Slowly
LOW
992
994
996
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030
1032
36 Cloudy +3
39 Fine +3
41 Fine 0
36 Fine +11
43 Cloudy +8
45 Cloudy
39 Cloudy
34 Fine
34 Cloudy
32 Fine
39 Thick Fog
47 Cloudy
44 Fine
49 Fine
47 Drizzle
47 Cloudy
49 Fine
36 Ocast.
45 Fine
47 Cloudy
49 Ocast.
49 Cloudy
47 Fine
45 Fine
37 Thick Fog
36 Fine
47 Rain
47 Rain
37 Drizzle
45 Thick Fog
49 Rain
37 Cloudy
47 Fog
34 Fine
36 Fine
1028
43 Ocast.
1026
41 Cloudy
43 Fine
43 Fine
46 Cloudy
EXPLANATION.
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicates Beaufort Force. Mean Velocity in miles per hour entered in small circles.
TEMPERATURE is given in degrees F.
RAINFALL SYMBOLS.
Clear sky. Sky less than ½ clouded. Sky ½ to ½ clouded. Sky more than ½ clouded. Overcast sky. Snow. A hail shower. Fog. Mist. Thunder. Thunderstorm.
A DISTURBANCE. Storm. Very Rough.
TENDENCY. Barometric change from last, in half millibars is entered beneath the word for weather.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION.........MONDAY,...25th...MARCH......1929. No.84....

Observations at 1h. G.M.T. 25th

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10
Lerwick	64	1011.7	-2	-	0	c	45	97	8	1500	Cu	8	-	8
Stornoway	30	1010.4	-2	S	2	c	*	*	6	*	*	*	*	10
Wick	81	1011.2	-2	SW	3	bc	45	92	8	2500	StCu	5	ACu	6
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	81	1015.6	+2	W	3	c	48	92	7	-	-	0	ACu	8
Renfrew	39	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1015.3	-3	SSW	3	oro	45	92	8	1500	St	10	-	10
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	87	1018.4	-2	SSW	2	cr	48	85	6	1500	Nb	8	-	8
Blacksod Point	18	1017.0	+2	W	3	bc	50	92	7	*	CuNb	7	-	7
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	178	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	30	1020.2	0	SW'S	4	ororo	48	97	5	450	Nb	10	-	10
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	29	1021.6	-1	WSW	4	c/pro	46	92	6	4000	CuNb	8	ASt	10
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	236	1024.2	-1	SW'S	4	cro	47	92	6	1500	Nb	6	ASt	10
Gorleston	14	1025.0	0	WSW	2	b	45	85	6	2500	St	1	Ci	2
Valentia (Cahirciveen) ℙ	30	1019.5	0	SW	4	orr	49	97	7	-	St	10	-	10
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	150	1022.7	0	SSW	3	mmc	47	97	4	1500	StCu	8	-	8
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	47	*	*	*	*	*	*	*
Croydon	244	1027.1	0	SSW	2	c	45	92	6	4000	St	6	ASt	10
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1027.6	0	W	3	o	43	97	5	450	St	10	-	10
Scilly (St. Mary's)	163	1026.3	0	SW	4	c	50	92	6	4000	StCu	10	-	10
Falmouth (Pendennis)	200	1026.5	0	SW'S	3	c	50	97	6	4000	StCu	10	-	10
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	32	1026.9	0	SW	3	FFo	45	97	1	<150	St	10	-	10
Southampton (Calshot)	10	1027.6	0	SW'W	4	o	45	97	6	800	St	10	-	10
Dungeness	20	1027.7	0	SW	3	Fo	42	97	1	<150	St	10	-	10
Guernsey (Fort George) ℙ	295	1030.0	0	WSW	1	ifo	47	92	5	2500	St	10	-	10

Observations at 7h. G.M.T. 25th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1010.0	-2	S	1	c	45	92	7	1500	StCu	5	ASt	10	*
Stornoway	1015.6	+6	W	2	bc/r	44	85	7	4000	CuNb	5	-	5	1
Wick	1012.4	+2	WNW	3	c	47	97	8	2500	CuNb	6	ACu	8	0
Tiree	1018.3	+7	WNW	3	c	46	97	7	1500	St	9	-	9	4
Nairn	1014.8	*	W	2	bc	49	75	8	2500	Cu	6	-	6	*
Aberdeen	1014.2	+1	SW	2	bc-	49	85	8	5700	StCu	3	Ci	3	0
Malin Head	1020.4	+7	W	3	c⊕	47	85	8	4000	Cu	1	CiSt	10	1
Renfrew	1017.5	+2	SW	3	cdodo	47	92	6	1500	Nb	8	ASt	10	*
Edinburgh (Inchkeith)	1016.1	+2	SW	3	bc	46	92	7	1500	St	3	CiCu	4	1
Leuchars	1015.5	+2	SW	4	bc	47	92	8	-	-	0	ACu	3	*
Eskdalemuir	1018.8	+3	SSW	4	bc-	45	92	8	4000	StCu	6	-	6	*
Tynemouth	1019.1	+3	W	1	bc	49	85	6	1500	Cu	3	Ci	4	1
Blacksod Point	1021.6	+4	W	2	bc	45	75	8	*	-	0	ACu	5	2
Donaghadee	1020.1	+3	W	3	bc-	46	92	7	4000	Cu	4	CiCu	6	2
Birr Castle	1020.9	*	SW	1	o	49	97	7	800	St	10	-	10	*
Holyhead	1020.9	+1	SW	4	c	47	97	5	220	StCu	9	-	9	2
Liverpool (Bidston)	1021.8	+1	WSW	4	c	48	92	7	2500	St	8	ACu	9	*
Chester (Sealand)	1021.5	+2	SW	4	bc-	51	85	6	2500	StCu	7	-	7	*
Harrogate	1020.7	+1	SW	3	c	48	92	7	2500	Nb	8	CiSt	9	*
Spurn Head	1021.3	0	WNW	4	c	46	97	7	4000	Nb	5	ASt	10	3
Birmingham (Edgbaston)	1024.2	+1	SW	3	bc/r	47	92	8	800	St	1	ASt	3	*
Cranwell	1023.8	+1	SW'W	4	crorо	48	92	6	1500	Nb	10	-	10	
Gorleston	1024.5	0	SW'W	4	bc q	45	92	6	2500	Nb	9 5	-	9 5	1
Valentia (Cahirciveen)	1023.4	+4	W	1	c	49	97	6	800	St	8	ASt	9	3
Roches Point	1022.8	+3	NW	3	c	50	97	8	1500	CuNb	6	CiSt	8	1
Pembroke (St. Ann's H.)	1023.2	0	SW	3	oro	47	97	3	450	St	10	-	10	3
Ross-on-Wye	1024.5	+1	SW'S	3	b	49	85	7	4000	Cu	1	CiSt	2	*
Leafield	1025.1	0	SW'S	3	oro	46	97	4	220	St	10	-	10	*
Winchester (Worthy Dn.)	1026.9	0	S'W	2	oro	46	97	6	450	St	10	-	10	*
S. Farnborough	1026.2	+1	WSW	3	cro	47	97	6	1500	Nb	10	-	10	*
London (Kew Obsy.)	1026.4	+1	SW'S	3	cro	47	92	5	1500	Nb	6	ASt	10	*
Croydon	1026.3	+1	SW'S	4	c/pro	46	97	6	800	St	8	ASt	10	*
Shoeburyness	1026.1	0	SW	3	c	46	97	6	1500	StCu	4	ASt	9	*
Clacton-on-Sea	1025.7	+1	SW	4	c	43	92	6	5700	StCu	8	-	8	2
Felixstowe	1025.8	0	WSW	3	o	44	92	6	800	St	10	-	10	2
Lympne	1026.9	0	SW	3	Fodd	43	97	0	<150	St	10	-	10	*
Scilly (St. Mary's)	1026.2	0	SW	4	or-	49	97	6	4000	Nb	10	-	10	2
Falmouth (Pendennis)	1026.6	0	WSW	3	cro	50	97	7	2500	Nb	8	ASt	10	0
Plymouth (Cattewater)	1026.7	0	SSW	3	o	47	97	6	<150	St	10	-	10	1
Portland Bill	1026.5	0	SW	3	FFo	45	97	1	<150	St	10	-	10	0
Southampton (Calshot)	1027.3	0	SW'W	4	or-	46	97	4	220	Nb	10	-	10	4
Dungeness	1027.3	+2	SW	3	FFo	42	97	0	<150	St	10	-	10	1
Guernsey (Fort George)	1028.7	0	W	3	ifo	47	97	2	220	St	10	-	10	

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

Stations (1)	Weather Fore-noon (2)	Weather After-noon (3)	Temperature Min. 9h. 23rd to 9h. 24th (4) °F	Temperature Max. 9h.-17h. 24th (5) °F	Rainfall Night 17h.-9h. 23rd-24th (6) mm.	Rainfall Day 9h.-17h. 24th (7) mm.	Sunshine Sunrise to 17h. 24th (8) hr.	Sunshine Sunrise to Sunset 23rd (9) hr.
Berwick-on-Tweed	bc	bc	42	55	-	-	6.4	8.8
Douglas (I. o. M.)	ofd	ofd	43	47	-	0.3	-	7.2
Llandudno	c	c	45	55	-	-	0.8	9.4
Colwyn Bay	cbc	bcc	47	55	-	-	1.2	8.8
Rhyl	c	bo	45	56	0.3	-	1.9	9.5
Wallasey	bcc	bccp	44	57	-	Trace	1.2	8.8
Southport	co	ocbco	‡44	56	-	-	1.7	8.6
Blackpool	oc	bcco	43	55	-	-	1.5	6.5
Ilkley	bcc	c	38	55	-	-	2.3	6.1
Cleethorpes	bb	bbc	37	62	-	-	8.6	6.5
Skegness	bbc	bcc	36	60	-	-	6.0	7.6
Aberystwyth	cbc	cpo	43	50	-	Trace	0.7	5.9
Bath	cbc	cbc	41	56	-	-	1.0	7.0
Cheltenham‡	cbc	c	36	55	-	-	0.5	8.4
Leamington Spa	cb	cb	36	56	-	-	1.6	6.0
Lowestoft	cbcb	bbcc	38	59	-	-	5.8	6.8
Harwich & Dovercourt	bc	bc	36	58	-	-	8.4	9.2
Maldon	b	bcc	32	60	-	-	6.1	7.5
Southend	b	b	39	61	-	-	8.6	8.3
Bude	ocbc	bcc	48	54	-	-	3.8	9.2
Penzance	c	c	46	54	-	-	0.5	0.6
Paignton	ozoc	cpoo	36	53	-	Trace	0.4	7.1
Torquay	ocm	opocm	39	51	-	Trace	0.1	8.2
Jersey	df	gf	41	45	-	-	0.0	10.0
Weymouth	bcf	cm	34	50	-	-	0.6	10.5
Bournemouth	bbc	co	33	53	-	-	4.5	9.6
Ventnor	bf	cm	42	47	-	-	4.1	11.2
Portsmouth (S'thsea)	b	bco	37	56	-	-	6.2	7.0
Bognor	ccbc	bcc	38	49	-	-	2.9	7.5
Littlehampton	bccm	c	32	47	-	-	2.6	8.3
Worthing	bbc.	c	34	49	-	-	3.0	10.2
Brighton	bcc	Feoco	35	47	-	-	3.4	9.0
Eastbourne‡	bc	bcomf	36	52	-	-	7.4	11.0
Hastings‡	bmbbc	bcof	42	53	Trace	-	6.9	9.8
Folkestone	wbcz	bccof	37	51	-	-	8.3	7.5
Dover	mobbc	mobccf	38	49	-	-	8.6	6.9
Tunbridge Wells	bc	bc	32	59	-	-	7.5	8.0
Ramsgate	b	bbc	40	55	-	-	8.6	10.1
Margate	bc	bc	41	58	-	-	9.7	10.6
Deal	b	b	38	58	-	-	9.5	6.8

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* Information not usually received. ℙ The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. § For code see page 1. †‡ See footnote page 1.

‡ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ✠ 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24596 Tuesday, 26th March, 1929. Page 1.

Observations at 13h. G.M.T. 25th

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.
Lerwick	1013.9	+6	WNW	3	c/p	50	75	8	1500	Cu.	6	Ci.St.	9	•
Stornoway	1019.4	+5	W	2	c	50	55	8	4000	Cu.Nb.	5	A.St.	9	•
Wick	1018.6	+9	WNW	3	c	49	75	8	2500	Cu.Nb.	4	A.Cu.	8	•
Tiree	1022.3	+4	WbS	3	b	50	92	8	2500	Cu.	2	-	2	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1019.7	+5	NW	4	c⊕	53	65	8	2500	Cu.	3	Ci.St.	8	0
Malin Head	1022.1	+4	W	4	c⊕	50	85	8	4000	Cu.	1	Ci.St.	10	•
Renfrew	1022.0	+5	WNW	4	c⊕	53	55	8	4000	Cu.	7	Ci.St.	10	/
Edinburgh (Inchkeith)	1019.9	+3	SW	4	bc	49	65	8	4000	Cu.	3	A.Cu.	4	•
Leuchars	1019.8	+4	NW	4	bc-	55	55	8	4000	Cu.	6	Ci.St.	7	/
Eskdalemuir	1022.8	+3	W	4	c⊕	50	55	8	4000	Cu.	3	Ci.St.	9	2
Tynemouth	1021.0	+2	W	2	c+	56	65	7	1500	Cu.	5	-	8	•
Blacksod Point	1025.3	+3	Calm		bc-	57	75	9	•	Cu.	7	-	7	•
Donaghadee	1022.6	+4	NNE	2	bc	52	65	8	4000	Cu.	3	Ci.St.	5	•
Birr Castle	1025.0	•	S	2	bc-	54	55	7	2500	Cu.	4	-	4	•
Holyhead	1023.5	+2	NWW	1	c	49	92	6	4000	St.	9	A.St.	10	/
Liverpool (Bidston)	1022.7	+3	WNW	3	odd	49	97	5	800	Nb.	10	-	10	•
Chester (Sealand)	1023.4	+1	NW	3	crr	52	85	5	2500	St.	10	-	10	/
Harrogate	1022.5	+1	SWW	4	c	53	75	8	4000	Cu.Nb.	8	-	8	•
Spurn Head	1022.5	0	NNW	3	c	49	92	6	4000	Cu.Nb.	7	A.Cu.	9	•
Birmingham (Edgbaston)	1024.2	0	WSW	4	c+	56	75	7	2330	Nb.	8	-	8	/
Cranwell	1022.7	0	WbS	3	c+	58	65	7	2500	St.Cu.	8	A.Cu.	9	/
Gorleston	1024.0	0	WNW	3	bc	59	75	6	2500	St.Cu.	7	-	7	•
Valentia (Cahirciveen)	1027.3	+4	NWW	3	c	52	65	8	2500	Cu.	1	Ci.St.	8	/
Roches Point	1025.9	+3	N	2	c	55	75	8	2500	Cu.Nb.	8	-	8	•
Pembroke (St. Ann's H.)	1024.3	+4	W	2	o	47	97	5	1500	St.	10	-	10	•
Ross-on-Wye	1024.3	-1	WSW	4	c/p	54	85	7	2500	Nb.	6	Ci.St.	9	/
Leafield	1025.1	0	SWW	4	c	54	75	8	4000	St.Cu.	9	-	9	0
Winchester (Worthy Dn.)	1026.2	-2	SW	3	c	57	65	7	2500	St.Cu.	9	-	9	0
S. Farnborough	1026.1	-1	W	4	c+	61	55	8	2500	Cu.	8	-	8	0
London (Kew Obsy.)	1026.0	-1	SSW	3	bc	57	65	7	2500	Cu.	4	-	4	/
Croydon	1026.6	0	WSW	4	bc-	58	65	6	4000	Cu.	5	A.Cu.	6	0
Shoeburyness	1026.3	0	SWbS	3	c	55	85	7	5700	St.Cu.	9	-	9	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1025.6	0	WSW	3	c	55	65	6	4000	St.Cu.	8	A.Cu.	9	0
Lympne	1025.5	-2	SW	4	c	53	85	6	1500	St.Cu.	9	-	9	0
Scilly (St. Mary's)	1026.8	+1	SWW	4	c	53	97	6	4000	St.Cu.	4	Ci.St.	8	•
Falmouth (Pendennis)	1026.9	0	WbS	3	c	51	97	7	4000	St.Cu.	10	-	10	•
Plymouth (Cattewater)	1027.0	-2	SW	5	or₀	49	97	6	220	St.	10	-	10	/
Portland Bill	1026.9	-1	SW	4	or₀	46	97	5	1500	St.	10	-	10	•
Southampton (Calshot)	1027.6	0	SWW	5	c	57	85	6	800	St.Cu.	10	-	10	/
Dungeness	1027.0	-1	SW	3	fo-	46	92	3	450	St.	10	-	10	•
Guernsey (Fort George)	1029.0	-1	WSW	4	c-	51	92	6	450	St.	6	A.Cu.	8	•

Observations at 18h. G.M.T. 25th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1016.9	+3	WNW	2	c	45	75	8	1500	St.Cu.	4	A.St.	8	•
Stornoway	1021.8	+3	W	2	c+	49	65	8	5700	St.Cu.	8	-	8	/
Wick	1021.9	+5	WNW	1	c	46	85	8	2500	Cu.Nb.	3	A.St.	9	0
Tiree	1022.4	+3	WbS	2	b	47	85	9	2500	Cu.	1	A.Cu.	2	/
Nairn	1022.1	•	W	1	bc+	48	65	8	4000	St.Cu.	7	-	7	•
Aberdeen	1022.1	+6	N	1	bc	48	75	7	-	-	0	Ci.St.	7	0
Malin Head	1025.9	+2	W	2	c-	48	85	8	5700	St.Cu.	2	Ci.Cu.	8	/
Renfrew	1024.6	+3	W	3	c	50	65	8	-	-	0	A.Cu.	9	•
Edinburgh (Inchkeith)	1022.0	+4	W	4	c	48	65	8	4000	Cu.	2	A.Cu.	8	2
Leuchars	1022.7	+5	NW	3	c	51	55	8	4000	St.Cu.	2	Ci.	9	•
Eskdalemuir	1025.2	+4	WNW	3	c	44	65	8	2500	St.Cu.	3	Ci.St.	9	•
Tynemouth	1023.8	+4	WNW	1	bc	53	55	7	1500	St.	3	Ci.	4	/
Blacksod Point	1026.1	0	W	2	bc	50	75	9	•	Cu.	1	Ci.	4	2
Donaghadee	1026.0	+3	NE	1	bc+	47	85	8	4000	Cu.	4	Ci.St.	6	/
Birr Castle	1026.6	•	W	1	c⊕	53	75	8	4000	Cu.	1	Ci.	8	•
Holyhead	1026.5	+4	NNW	1	c	46	92	7	2500	Cu.	1	A.St.	9	0
Liverpool (Bidston)	1026.1	+2	NNW	3	c-	45	92	7	2500	Nb.	3	Ci.St.	8	•
Chester (Sealand)	1026.7	+3	NWW	3	c-	47	92	6	2500	St.Cu.	6	A.Cu.	8	•
Harrogate	1024.5	+2	SW	2	b	51	75	8	4000	Cu.	1	Ci.	1	•
Spurn Head	1023.4	+1	WNW	2	mmc	50	92	4	450	St.	8	A.Cu.	10	2
Birmingham (Edgbaston)	1025.2	+1	WSW	2	cr₀	51	92	8	1500	Nb.	7	A.St.	10	•
Cranwell	1025.4	+3	WNW	3	or	52	92	6	1500	Nb.	10	-	10	•
Gorleston	1024.5	+1	-	0	c	53	75	6	2500	St.Cu.	10	-	10	0
Valentia (Cahirciveen)	1028.4	+2	WN	2	c⊕	51	75	8	-	-	0	Ci.St.	8	/
Roches Point	1027.3	+3	NW	3	c	52	75	9	2500	St.Cu.	2	Ci.St.	9	0
Pembroke (St. Ann's H.)	1026.0	+1	W	1	c-	48	92	5	1500	Cu.	6	Ci.	8	/
Ross-on-Wye	1024.9	+1	SWW	3	c	52	85	6	2500	St.Cu.	10	-	10	•
Leafield	1025.4	+1	SWW	3	c-	50	92	7	4000	Cu.	6	A.St.	9	•
Winchester (Worthy Dn.)	1026.3	0	SSW	3	c	52	85	6	1500	St.Cu.	10	-	10	•
S. Farnborough	1026.3	+1	SWW	2	c/pr₀	53	85	6	4000	St.Cu.	9	Ci.St.	10	•
London (Kew Obsy.)	1026.1	+1	SW	1	c	54	85	5	2500	St.	8	A.St.	10	•
Croydon	1026.0	+1	SSW	2	c/r	53	92	6	1500	St.Cu.	9	A.St.	10	•
Shoeburyness	1026.0	0	SW	2	c	55	92	6	1500	Nb.	8	-	8	
Clacton-on-Sea	1025.4	0	SSW	3	bc	49	85	6	5700	Cu.	7	-	7	/
Felixstowe	1026.6	+1	SWbS	2	c	51	75	7	2500	St.Cu.	9	-	9	/
Lympne	1026.9	+2	SSW	3	for	46	97	3	450	St.	10	-	10	•
Scilly (St. Mary's)	1027.7	+1	WbS	4	bc	50	92	7	4000	Cu.	2	Ci.St.	5	/
Falmouth (Pendennis)	1027.7	+1	WNW	2	c-	52	85	7	4000	St.Cu.	6	A.St.	8	0
Plymouth (Cattewater)	1027.5	+1	NW	3	c	52	75	7	2500	Nb.	5	A.St.	9	0
Portland Bill	1026.4	0	SW	4	FFo	46	97	1	220	St.	10	-	10	4
Southampton (Calshot)	1027.0	-1	SWW	4	o	48	92	6	450	St.	10	-	10	0
Dungeness	1027.1	+1	SW	3	For	44	97	0	450	St.	10	-	10	3
Guernsey (Fort George)	1029.0	0	W	4	c	50	97	6	800	St.	6	A.Cu.	9	4

LONDON OBSERVATIONS. Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.	Heights above M.S.L. in feet.	Weather Morning	Weather Afternoon	Weather Night (24 hours ended 9h.)	Temperature Max. Day °F.	Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h
Kew	18	cr₀bc	cbrcm	cbf	60	44	33	0.2	Tr	2.5	*	*	5
Croydon	284	cpr₀bc	bcctrm	cm, bcm	61	45	39	1	Tr	3.5	•	•	3
Greenwich (Royal Obsy.)	149	c	cycd₀r	c	64	46	40	Tr 0.3	-	2.5	59	74	3
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	1.8	•	•	•
Westminster (St. James' Pk.)	37	•	•	•	62	47	40	-	-	2.4	61	66	•
Regent's Pk. (Botanic Gdns).	165	•	•	•	•	•	•	•	•	2.2	•	•	•
Camden Square	110	c	c	•	62	47	-	-	-	•	•	74	•
Kensington Palace	60	bc	co	•	62	47	42	-	-	•	(At 18h) 81	79	•
Hampstead Observatory	450	•	•	•	59	43	41	Tr	-	2.2	•	79	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 26th

South Kensington			
Max.	Time.	Min.	Time.
0.6	25th 19h	<0.3	25th 15h
Kew Observatory			
Max.	Time.	Min.	Time.
0.2	25th 9h	<0.1	25th 13h

POLE STAR RECORD at Greenwich Obsy.

Exposure from 25th 19 h. 30 m. to 26th 4 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	9.15	Nil	Nil
δ Ursae Minoris	9.15	Nil	Nil

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET.

26th–27th March, 1929.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.45 5.42	11.59 11.59	18.14 18.16
Greenwich	5.52 5.50	12.6 12.5	18.21 18.22
Wick	6.1 5.58	12.18 12.18	18.37 18.39
Valentia	6.33 6.31	12.47 12.47	19.2 19.3

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy.
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain. rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⩊ = lunar halo.

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; − = has decreased; + = has increased.

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

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

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

§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 25th	13h.-18h. 25th	18h. 25th to 18h. 26th	18h.-7h. 26th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on Grass	RAINFALL.† Day. 7h.-18h. mm.	began.	Night. 18h.-7h. mm.	began.	SUN. 25th Hours.
Lerwick	cpr₀	c	c	c	51	44	•	1	9.00	–	–	4
Stornoway	c	c	c	bc0	53	43	•	–	–	–	–	4.2
Wick	b-bc	c	c	c	50	40	•	–	–	–	–	•
Tiree	cbc	bc	bcb	bcc	51	39	35	–	–	–	–	4.3
Nairn	bcq	bcebc	bcq	bcq	52	42	•	–	–	–	–	1.8
Aberdeen	bcc	cbc	bcb	bccm₀w	56	35	27	–	–	–	–	5.4
Malin Head	c	c	bc	bcc	50	41	•	–	–	–	–	6.1
Renfrew	cd₀ey	cyc	ccz₀	cm₀x	54	33	26	Tr.	8.00	–	–	3.6
Edinburgh (Inchkeith)	b-bc	bcc	cbc	bcm₀c	50	39	37	–	–	–	–	4.6
Leuchars	bcc	bccy	cybc	bcc	56	38	35	–	–	–	–	7.2
Eskdalemuir	bcc pic y	bcyc	cbc	cx	53	28	26	Tr.	11.00	–	–	3.4
Tynemouth	bc	cbc	bc	bc	58	40	34	–	–	–	–	•
Blacksod Point ...	(cbc)	bbcr₀	c	cbcq	52	47	•	0.1	•	–	•	•
Donaghadee	bc	bc	bc	bc	53	38	•	–	–	–	–	•
Birr Castle	oc	bcyc	c	cbcx	56	35	28	–	–	–	–	6.3
Holyhead	cr₀if	cm₀c	cm₀w	cm₀w	50	41	37	0.1	8.00	–	–	0.3
Liverpool (Bidston) ...	cop₀d	dp₀oc	cbc	bcxc	53	42	35	0.3	11.00	–	–	0.0
Chester (Sealand) ...	cpi₀d₀rr	rcm₀	bcm₀	cmx	56	33	29	2	11.00	–	–	0.8
Harrogate	ap₀bcc	cbcb	b	b	55	39	33	Tr.	9.00	–	–	2.6
Spurn Head	cpr₀	cprcm	cmcprbc	bcz	53	39	•	0.3	11.00	0.3	<21.00	2.5
Birmingham (Edgbaston)	bc	cpr₀	cr₀bc	bcf	57	39	35	0.2	15.30	0.1	<21.00	3.5
Cranwell	cr₀bc	cprc	crbm	bmcm₀	60	39	36	3	8.00	2	<21.00	3.2
Gorleston	cbc	bcc	cpr₀bc	bbcm₀	62	42	40	–	–	0.2	<21.00	1.2
Valentia (Cahirciveen)	cbcc	c	cbc	bcw	53	43	39	–	–	Tr	<21.00	5.8
Roches Point	c	cw	cybcc	cbcw	57	40	•	–	–	Tr	–	•
Pembroke (St. Ann's H.)	ocfir	cbcm	bc	bcF	50	38	•	1	8.00	Tr	<21.00	0.7
Ross-on-Wye	bcc	c	ccbc	bc	56	37	29	–	–	–	–	2.4
Leafield	oir₀bcc	oirc	cor₀	cbc	56	38	34	0.2	8.00	0.1	22.00	2.0
Winchester (Worthy Dn.)	om₀r₀c	cr₀cm₀	cm₀	cm₀m₀	59	46	45	0.1	8.00	–	–	2.6
S. Farnborough ...	cir₀mcbcy	cyprc	m₀cbcc	cm₀bcw	61	45	38	0.1	8.00	Tr	–	2.7
London (Kew Obsy.) ...	cr₀bc	cprcm₀	cbf	bcmW	60	44	33	0.2	8.00	Tr	–	2.5
Croydon	cpr₀bc	bccrm₀	cm₀bcm	bcomfe	61	45	39	1	9.00	Tr	–	3.5
Shoeburyness	cm₀	c	cm₀	om	61	43	41	–	–	–	–	2.1
Clacton-on-Sea ...	cm	cmbc	bcm	bcbdcm	56	43	39	–	–	1	4.30	2.9
Felixstowe	cz₀	cz₀ybcc	cr₀	cf	58	45	42	–	–	0.2	<21.00	3.5
Lympne	odFcpr₀	cbcm₀of	cprF	oF	54	43	43	Tr.	8.00	0.2	<21.00	1.6
Scilly (St. Mary's) ...	cmir	cbc	bcb	b	54	43	•	0.5	8.00	–	–	3.2
Falmouth (Pendennis)	cr₀	c	cm₀	coF	54	45	•	0.3	8.00	–	–	0.7
Plymouth (Cattewater)	om₀cdr₀	om₀r₀c	com	ofe	54	43	39	0.4	9.00	Tr	–	0.2
Portland Bill	oroifm₀	cid₀of	ofc	bccz₀	47	44	•	0.3	11.00	–	–	•
Southampton (Calshot)	orofem₀	cor₀m₀	om₀fem	om₀	54	44	44	0.4	8.00	Tr	–	1.6
Dungeness	ofF	ofF	offF	oF	46	41	•	Tr.	–	–	–	•
Guernsey	efcm₀	cpr₀m₀	cm₀mfe	cofe	51	44	•	0.2	15.30	0.1	–	0.5

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	25th 10h	'Scotia'	SW	3	c	49	46
3	26th 2h	'Dieppe'	W	2	fc	46	43

GENERAL INFERENCE.

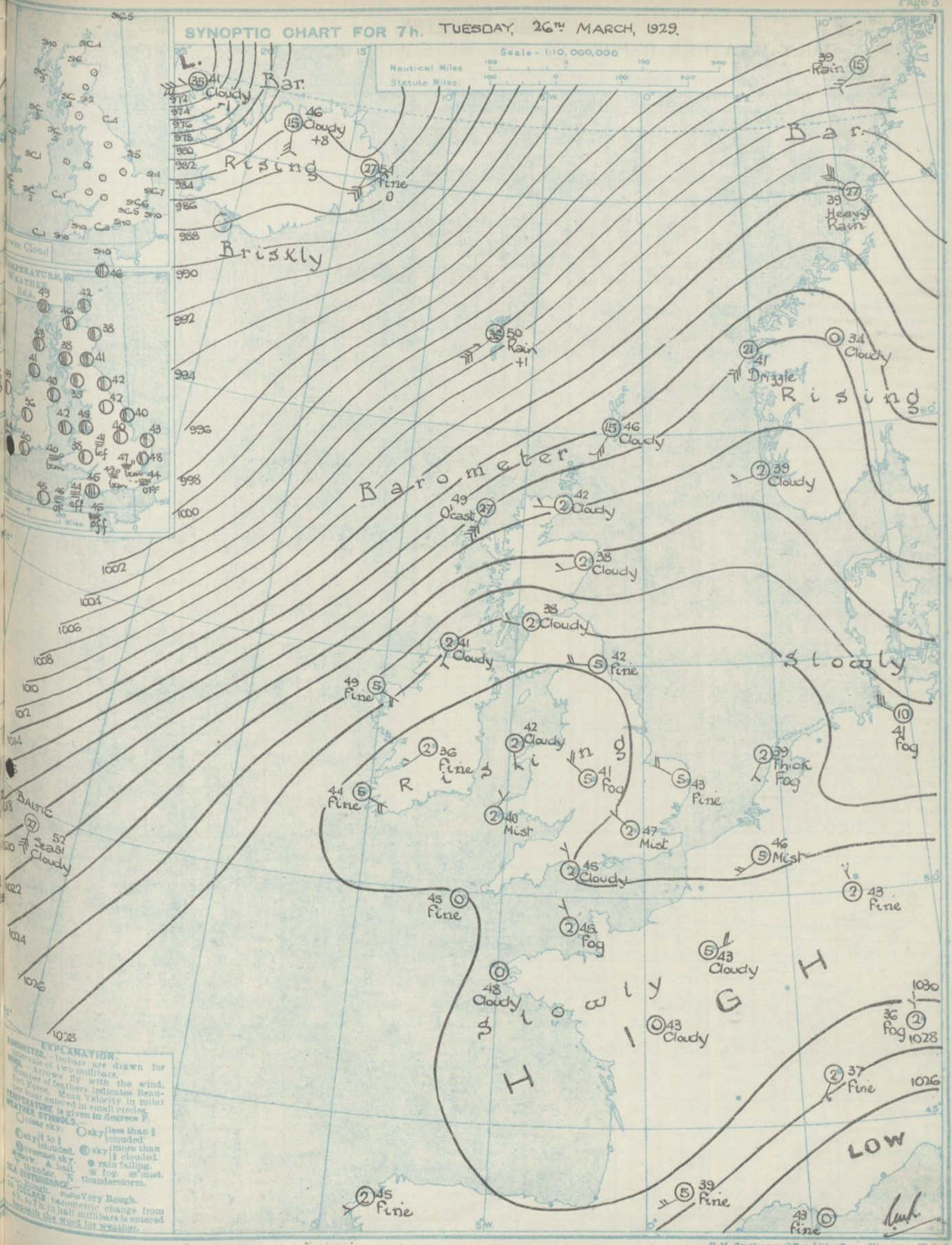
A large anticyclone covers England, France and Central Europe, while depressions are moving northeast across Iceland. Except in the extreme northwest settled fair weather will continue, and last for some days over most of England.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Tuesday, 26th March, 1929.	Farther 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 variable; light; fair; local morning fog; mild during day, slight ground frost locally at night.	Similar conditions. Fair and rather warm for at least three days over Southern and Eastern England and the Midlands
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind S.W, light or moderate; fair; mild.	▼ South Cone hoisted in district 13B, at 19h. G.M.T. yesterday
13. A. W. Scotland B. N.W. Scotland ▼	Wind S.W., fresh or strong; cloudy, local drizzle; mild.	
14. Mid-Scotland 15. N.E. Scotland	As 11 - 13A.	
16. Orkneys and Shetlands	As 13B.	
17. N.W. Ireland 18. N.E. Ireland	As 11 - 13A.	
19. S.E. Ireland 20. S.W. Ireland	As 1 - 10.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0925 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For code see page 1.

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



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Tuesday, 26th March 1929. No. 85.

Observations at 1h. G.M.T. 26th

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility‡ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10
Lerwick	54	1019.9	+1	SW	2	c	45	85	8	1500	StCu	5	ASt	10
Stornoway	30	1027.1	0	SW	5	c	*	*	6	*	*	*	*	10
Wick	81	1023.3	0	WSW	3	c⊕	43	92	8	2500	StCu	5	CiSt	10
Tiree	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	61	1027.7	+1	S	3	bc⊕	43	92	8	-	-	0	CiSt	7
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	100	1027.1	+3	W	2	bc	41	85	7	1500	St	3	Ci	4
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	87	1028.4	+3	W	1	bc	43	85	7	1500	St	3	ACu	6
Blacksod Point	18	1027.3	0	S	4	c	49	85	7	*	-	0	ASt	8
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	178	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	30	1029.6	+2	SE'S	1	c⊕	42	97	6	-	-	0	CiSt	9
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	476	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	29	1027.3	+2	N'W	3	bc	41	97	6	2500	StCu	3	-	3
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	236	1028.2	+3	NW'N	3	mb	43	92	4	-	-	0	-	0
Gorleston	14	1027.0	+2	W	2	b-	50	92	6	-	-	0	CiCu	2
Valentia (Cahirciveen) ℙ	30	1029.2	+1	S	2	b-	48	97	7	-	St	2	-	2
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	150	1028.7	+2	NE	1	bc+	45	92	7	2500	Cu	1	CiSt	5
Ross-on-Wye	225	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester (Worthy Dn.)	273	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	46	*	*	*	*	*	*	*
Croydon	244	1027.9	+1	SW'W	2	mbc	46	97	4	-	-	0	CiCu	3
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1028.2	+1	S	1	FFo	44	97	1	<150	St	10	-	10
Scilly (St. Mary's)	163	1028.8	+1	W'N	2	b⊕	47	97	7	-	-	0	ACu	1
Falmouth (Pendennis)	200	1029.4	+1	-	0	c	47	97	6	4000	StCu	6	ASt	9
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	52	1028.0	+1	NW	2	bc⊕	45	97	8	2500	Cu	6	Ci	7
Southampton (Calshot)	10	1028.8	+1	W	2	o	45	97	6	220	St	10	-	10
Dungeness	20	1028.6	+2	SW	1	FFo	43	97	0	<150	St	10	-	10
Guernsey (Fort George) ℙ	295	1029.6	0	W	3	ffo	46	97	3	220	St	10	-	10

Observations at 7h. G.M.T. 26th

Stations	Barom. at M.S.L. mb.	* Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility‡ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1018.1	-2	SW	4	c	46	85	8	1500	StCu	5	ASt	10	*
Stornoway	1021.2	+1	SW	6	o	49	85	6	1500	St	10	-	10	4
Wick	1022.1	-2	WSW	1	c	42	92	8	4000	StCu	4	CiSt	10	0
Tiree	1025.4	+1	SSW	5	c	48	92	8	1500	StCu	9	-	9	4
Nairn	1022.7	*	WSW	4	bc	46	75	8	1500	St	6	-	6	*
Aberdeen	1024.5	0	WSW	1	c	38	92	5	-	-	0	ASt	9	0
Malin Head	1028.2	+2	SSW	1	c	41	97	8	5700	StCu	3	CiCu	9	1
Renfrew	1028.4	+1	W	1	c	38	97	6	5700	StCu	3	Ci	9	*
Edinburgh (Inchkeith)	1026.5	+1	WSW	4	c	41	85	8	1500	St	2	CiCu	9	2
Leuchars	1026.1	0	WSW	4	c	41	85	8	-	-	0	ACu	9	*
Eskdalemuir	1029.9	0	SSE	2	c	35	92	8	-	-	0	Ci	8	*
Tynemouth	1029.2	+1	W	2	bc	42	85	6	1500	Cu	4	Ci	5	1
Blacksod Point	1027.9	+1	S	4	bc	49	85	8	*	Cu	2	Ci	6	4
Donaghadee	1029.0	+1	SW	3	bc	40	92	8	5700	StCu	4	CiSt	6	3
Birr Castle	1030.1	*	SW	1	bc	36	92	8	5700	StCu	1	CiCu	5	*
Holyhead	1030.6	+1	S'E	1	c	42	97	5	-	-	0	CiSt	9	0
Liverpool (Bidston)	1031.1	+1	WNW	2	c	45	65	9	-	-	0	ASt	9	*
Chester (Sealand)	1030.5	+3	SSE	2	mmc	35	92	4	-	-	0	ASt	9	*
Harrogate	1030.4	+2	SW	3	b	42	75	8	-	-	0	Ci	2	*
Spurn Head	1029.3	+1	N'W	2	bc	40	97	5	1500	St	5	CiCu	7	1
Birmingham (Edgbaston)	1031.4	+2	NW	2	fbc-	41	85	3	-	-	0	CiCu	4	*
Cranwell	1030.2	+3	W	3	bc-	40	85	5	-	-	0	ACu	4	*
Gorleston	1028.6	+2	NW'W	2	bc	43	92	5	1500	St	4	CiCu	5	0
Valentia (Cahirciveen) ℙ	1030.8	+1	SE'E	2	bc	44	92	8	1500	StCu	3	CiCu	7	4
Roches Point	1031.4	+3	N	2	bc	40	97	8	2500	StCu	2	CiSt	6	0
Pembroke (St. Ann's H.)	1030.9	+3	NE	1	fbc-	40	97	4	2500	Cu	1	CiCu	4	1
Ross-on-Wye	1030.9	+2	E	1	bc	38	92	8	-	-	0	Ci	6	*
Leafield	1030.4	+2	NNW	2	c+	39	92	5	-	-	0	ACu	8	*
Winchester (Worthy Dn.)	1029.6	+2	NW'N	2	o	48	85	5	450	St	10	-	10	*
S. Farnborough	1029.7	+2	-	0	mmbc	49	97	4	5700	StCu	5	-	5	*
London (Kew Obsy.)	1029.8	+2	NW	1	mmbc	47	97	4	4000	StCu	6	CiSt	7	*
Croydon	1029.4	+2	-	0	Fo+	47	97	1	<150	St	10	-	10	*
Shoeburyness	1029.6	+1	NW	1	mmo	49	97	4	450	St	10	-	10	*
Clacton-on-Sea	1028.7	+2	WNW	2	bc-	48	97	6	5700	StCu	7	-	7	0
Felixstowe	1029.5	+2	-	0	ffc	48	97	3	<150	St	9	-	9	0
Lympne	1028.8	+1	NW'N	1	fo-	45	97	2	<150	St	10	-	10	*
Scilly (St. Mary's)	1029.9	+1	-	0	b	45	97	7	4000	Cu	1	-	1	1
Falmouth (Pendennis)	1030.7	+2	N'E	2	Fo+	45	97	1	<150	St	10	-	10	0
Plymouth (Cattewater)	1030.8	+2	N	2	ffo	44	97	2	<150	St	10	-	10	0
Portland Bill	1029.4	+2	NNW	1	c	45	92	6	2500	Cu	3	CiSt	10	1
Southampton (Calshot)	1029.9	+2	NW	2	o	46	97	5	800	St	10	-	10	5
Dungeness	1029.5	+2	WSW	1	FFo	44	97	0	<150	St	10	-	10	2
Guernsey (Fort George) ℙ	1030.7	+1	NNW	1	ffo	45	97	2	<150	St	10	-	10	1

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

Stations (1)	Weather Fore-noon (2)	Weather After-noon (3)	Temperature Min. 9h.-24 to 9h. 25th (4) °F	Temperature Max. 9h.-17h. 25th (5) °F	Rainfall† Night 17h.-9h. 24-25 (6) mm.	Rainfall† Day 9h.-17h. 25th (7) mm.	Sunshine Sunrise to 17h. 25 (8) hr.	Sunshine Sunrise to Sunset 24th (9) hr.
Berwick-on-Tweed	bc	c	46	57	-	-	8.5	6.4
Douglas (I. o. M.)	cbc	bcc	44	51	5	-	1.6	0.0
Llandudno	odco	oc	47	51	3	Trace	0.0	1.0
Colwyn Bay	crpc	co	50	55	1	0.5	0.1	1.4
Rhyl	cpc	cpc	48	54	1	0.5	0.3	1.9
Wallasey	cpocr	rroc	48	53	2	0.5	0.0	1.2
Southport	ropo	oc	*46	49	7	0.2	0.0	1.7
Blackpool	omc	oc	44	48	6	0.2	0.3	1.5
Ilkley	crc	bcy	46	56	1	-	1.0	2.3
Cleethorpes	bc	cq	46	59	2	-	2.2	8.6
Skegness	bcproc	bco	44	61	3	-	4.4	6.0
Aberystwyth	ro	rf	44	47	2	3	0.0	0.7
Bath	bcc	cro	46	57	0.5	0.3	1.6	1.2
Cheltenham‖	bcc	co	48	57	0.5	-	3.0	0.7
Leamington Spa	c	c	36	59	-	-	2.1	1.6
Lowestoft	c	c	41	62	-	-	1.1	5.8
Harwich & Dovercourt	bcz	bccu	40	61	-	-	4.8	8.4
Maldon	c	cbcc	40	61	-	-	2.0	5.1
Southend	oz	ocoz	41	58	-	-	2.5	8.6

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	roc	cm	43	51	0.2	-	0.0	3.8
Penzance	orc	crbc	50	56	0.3	1	1.0	0.5
Paignton	oz	ocdpc	47	55	0.3	Trace	0.7	0.4
Torquay	odopc	bc	48	55	-	Trace	0.3	0.1
Jersey	c	c	37	52	-	-	0.3	0.0
Weymouth	fmc	cm	44	53	0.5	-	0.3	0.6
Bournemouth	obo	o	46	53	2	-	1.1	4.5
Ventnor	orm	ocom	42	50	3	Trace	0.2	4.1
Portsmouth (S'thsea)	oc	co	45	53	1	-	0.7	6.2
Bognor	c	bcc	43	50	1	-	0.1	2.9
Littlehampton	cmc	bccmc	42	49	1	-	0.5	3.0
Worthing	oc	co	43	50	1	-	0.8	3.0
Brighton	doco	fco	42	47	0.2	Trace	0.0	3.4
Eastbourne‖	fodo	ofc	43	48	0.3	Trace	0.0	7.4
Hastings‖	ofo	ocoff	42	48	Trace	-	0.9	6.9
Folkestone	ofc	ocofc	40	50	Trace	Trace	1.3	9.3
Dover	fco	fmocof	40	*48	-	-	0.5	9.6
Tunbridge Wells	oc	bc	42	59	-	-	3.0	7.5
Ramsgate	cbc	bc	40	58	-	-	2.5	9.8
Margate	bcc	bc	41	60	-	-	2.6	9.7
Deal	o	ocbcb	41	58	-	-	0.9	9.5

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

* Information not usually received. ℙ The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. ‡ For code see page 1. †: See footnote page 1.

‖ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ✤ 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24,597 Wednesday, 27th March 1929.

Observations at 13h. G.M.T. 26th / Observations at 18h. G.M.T. 26th

STATIONS. (For heights see p. 4).	13h Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	18h Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1017.7	0	SW	4	c	48	92	7	1500	St.Cu.	5	A.St.	10	•	1019.6	+1	SW	4	od/o	48	97	6	1500	Nb.	10	-	10	•
Stornoway	1023.5	+2	SW	5	c	53	85	8	2500	St.Cu.	9	-	9	•	1025.2	+3	WSW	2	c	51	85	7	2500	St.Cu.	9	-	9	4
Wick	1022.8	+1	W	2	bc	59	85	8	4000	Cu.	3	Ci.Cu.	5	•	1024.7	+2	W	2	bc	55	85	8	4000	Cu.	3	Ci.	5	0
Tiree	1027.6	+2	SW	4	c	49	85	8	1500	St.	9	-	9	0	1029.2	+2	SW	4	c	49	85	8	1500	St.Cu.	8	-	8	1
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1025.7	•	W	3	b-	53	75	8	4000	Cu.	1	Ci.	2	•
Aberdeen	1025.3	0	NE	2	bc	48	75	7	-	-	0	A.St.	7	1	1026.6	+2	-	0	bc-	49	75	6	-	-	0	Ci.Cu.	4	0
Malin Head	1028.9	+1	NW	2	b	53	85	8	-	-	0	Ci.Cu.	1	•	1029.8	+1	W	4	b	49	92	8	-	Cu.	Tr.	Ci.Cu.	1	1
Renfrew	1029.3	0	W	3	c	55	65	7	2500	Cu.	6	Ci.St.	8	1	1030.0	+1	WSW	3	bc	54	65	7	-	-	0	Ci.	4	•
Edinburgh (Inchkeith)	1026.7	+1	W	5	c	47	75	6	800	St.	8	A.Cu.	9	•	1027.7	0	W	5	c	53	85	7	1500	St.	3	Ci.Cu.	9	3
Leuchars	1027.1	+1	W	3	c	54	65	8	5700	St.Cu.	6	Ci.	8	1	1027.6	+2	WSW	4	bc-	57	65	8	-	-	0	Ci.	6	•
Eskdalemuir	1029.4	0	SSW	4	bc	54	65	8	4000	Cu.	1	Ci.St.	7	1	1031.2	+2	SSE	3	c	47	85	8	2500	St.Cu.	1	Ci.	9	•
Tynemouth	1029.5	+1	W	2	bc/m	61	45	7	1500	Cu.	4	Ci.	5	•	1029.7	+1	W	1	c	54	65	6	4000	St.Cu.	8	-	8	1
Blacksod Point	1029.8	+3	S	4	bc	53	85	8	•	Cu.	4	-	4	•	1029.5	0	W	2	bc	52	85	8	•	Cu.	3	-	3	2
Donaghadee	1029.5	0	WSW	3	bc	60	65	8	5700	St.Cu.	2	Ci.Cu.	5	•	1029.8	0	WSW	1	bc	56	75	7	5700	St.Cu.	2	Ci.Cu.	5	1
Birr Castle	1030.7	•	S	1	bc-	61	55	8	-	-	0	Ci.	3	•	1030.4	•	SSW	1	bc	62	65	8	-	-	0	Ci.	4	•
Holyhead	1032.2	+1	SSW	2	c	52	75	8	4000	Cu.	1	Ci.St.	8	1	1032.0	0	S'W	3	bc	48	75	8	-	-	0	Ci.	6	0
Liverpool (Bidston)	1032.4	+1	NW	3	bc-	51	65	8	-	-	0	A.St.	4	•	1032.2	0	NW'N	2	c	53	65	8	-	-	0	Ci.	8	•
Chester (Sealand)	1031.5	0	NW'N	3	bc+	56	55	8	-	-	0	Ci.	6	1	1031.7	0	NW	2	c	52	65	7	-	-	0	Ci.	8	•
Harrogate	1030.4	0	SW	4	b	60	55	8	-	-	0	Ci.	2	•	1031.9	0	SW	4	c	50	65	7	-	-	0	Ci.St.	9	•
Spurn Head	1031.0	0	SE'E	2	bc	49	75	6	2500	St.	3	Ci.	4	•	1030.4	0	S'W	3	bc+	43	92	7	4000	St.Cu.	3	Ci.St.	6	1
Birmingham (Edgbaston)	1031.4	0	NNW	3	b	56	65	6	-	-	0	-	0	1	1031.4	0	NNW	3	b	55	55	5	-	-	0	Ci.	2	•
Cranwell	1031.3	0	NNW	2	bc	56	45	7	-	-	0	Ci.	3	1	1031.4	+1	SE'S	2	c+	52	85	6	-	-	0	Ci.	8	•
Gorleston	1031.3	+3	NE'N	3	bc	46	85	6	-	-	0	A.Cu.	6	•	1031.6	0	N'E	2	bc+	43	92	6	-	-	0	Ci.Cu.	7	0
Valentia (Cahirciveen)	1031.9	0	S'E	3	bc	56	75	9	2500	St.Cu.	6	Ci.Cu.	7	0	1031.5	0	S	3	bc	55	75	8	2500	Cu.	1	Ci.Cu.	3	1
Roches Point	1032.3	+1	N	2	bc	51	85	8	2500	St.Cu.	2	Ci.Cu.	5	•	1031.8	0	SW	3	bc	51	92	8	-	-	0	Ci.Cu.	5	0
Pembroke (St. Ann's H.)	1031.9	+1	W	1	bc/f	49	75	7	-	-	0	Ci.Cu.	3	•	1031.2	-1	NW	1	bc	49	65	8	-	-	0	Ci.St.	3	1
Ross-on-Wye	1031.2	0	NE	2	b	57	45	8	-	-	0	Ci.St.	1	1	1030.7	0	E'N	1	bc+	58	55	8	-	-	0	Ci.	3	•
Leafield	1030.8	+1	N	2	b-	56	45	6	-	-	0	A.Cu.	1	0	1031.1	0	NE'N	2	b-	55	45	7	-	-	0	Ci.	1	•
Winchester (Worthy Dn.)	1030.6	+1	/	3	b	59	55	6	4000	Cu.	1	Ci.	2	0	1030.9	+1	S'E	3	bc	53	75	6	-	-	0	Ci.	4	•
S. Farnborough	1030.5	0	N	1	b	63	45	6	2500	Cu.	2	-	2	0	1030.5	0	NE	1	bc	58	55	6	-	-	0	Ci.	7	•
London (Kew Obsy.)	1031.0	0	N	2	bc	59	45	6	-	-	0	Ci.	3	0	1031.1	0	N	1	bc	59	45	6	-	-	0	Ci.	3	•
Croydon	1030.4	0	NE	2	b/m	58	55	5	-	-	0	Ci.	1	1	1030.8	0	ENE	1	bc	56	65	5	-	-	0	Ci.	7	•
Shoeburyness	1030.1	+1	SSW	1	b/m	56	85	6	-	-	0	A.St.	1	•	1031.4	+2	E'N	1	bc	48	92	6	-	-	0	A.Cu.	7	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1031.5	+1	ESE	2	bc	46	92	6	-	-	0	Ci.St.	6	0
Felixstowe	1031.2	+2	E'S	2	bc	50	75	6	4000	Cu.	1	A.Cu.	4	0	1031.8	+1	-	0	b	45	85	6	-	-	0	Ci.	2	0
Lympne	1030.3	0	NNE	2	c	~~45~~ 54	85	6	1600	Cu.	9	-	9	0	1031.4	+1	S	2	For	44	97	1	<150	St.	10	-	10	•
Scilly (St. Mary's)	1031.0	+1	-	0	fb	54	92	3	-	-	0	-	0	•	1031.5	0	ENE	2	FFo	44	97	1	450	St.	10	-	10	0
Falmouth (Pendennis)	1031.5	+1	-	0	FFo	46	92	1	<150	St.	10	-	10	•	1031.5	0	-	0	[illegible]	47	85	3	800	St.	5	-	5	0
Plymouth (Cattewater)	1031.4	-1	SSW	4	bc/m	47	92	6	<150	Cu.	5	Ci.	6	1	1031.6	+1	-	0	b	45	92	6	<150	St.	1	Ci.	2	0
Portland Bill	1030.7	+1	W	1	c	52	75	6	1500	St.Cu.	9	A.St.	10	•	1030.5	0	-	0	c	47	85	5	1500	St.Cu.	7	Ci.St.	10	1
Southampton (Calshot)	1031.1	0	S	2	c	53	75	6	1500	St.Cu.	9	-	9	0	1031.8	+2	SSE	2	b	48	85	6	-	-	0	Ci.	2	0
Dungeness	1030.8	+1	WSW	2	fo-	49	92	3	220	St.	10	-	10	•	1031.2	+1	SSW	1	For	44	97	1	<150	St.	10	-	10	2
Guernsey (Fort George)	1031.8	+1	-	0	fo-	47	97	3	<150	St.	10	-	10	•	1031.3	0	-	0	b-	47	92	6	-	-	0	-	0	0

LONDON OBSERVATIONS. Day. 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. Day °F.	Temp. Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 13h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	bcmzy	bzy	bmw	61	35	29	-	Tr	5.4	•	•	2
Croydon	244	bcmby	bybcz	bcbmw	61	36	32	-	0.1	3.5	•	•	1
Greenwich (Royal Obsy.)	148	cbyz	bc⊕byz	bzfw	63	36	24	-	Tr	5.0	47	94	1
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	3.5	•	•	•
Westminster (St. James' Pk.)	27	•	•	•						4.9			•
Regent's Pk. (Botanic Gdns).	163	•	•	•	•	•	•	•	•	5.3	•	•	•
Camden Square	110	cb	b	•	65	38	-	-	-	•	•	88	•
Kensington Palace	80	b	bc	•	62	39	30	-	-	•	(At 18h) 63	92	•
Hampstead Observatory	450	•	•	•	60	41	25	-	-	6.6	•	71	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 7h. G.M.T. 27th

South Kensington Max.	Time.	Min.	Time.
1.3	26th 20h	0.3	26th 13h

Kew Observatory Max.	Time.	Min.	Time.
0.5	26th 22h	0.1	26th 14h

POLE STAR RECORD at Greenwich Obsy.

Exposure from 26th 19 h. 30 m. to 27th 4 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	9.15	8.48	95
δ Ursae Minoris	9.15	6.23	69

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET.
27th & 28th March, 1929.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.42 / 5.40	11.59 / 11.58	18.16 / 18.18
Greenwich	5.50 / 5.48	12.5 / 12.5	18.22 / 18.24
Wick	5.58 / 5.55	12.18 / 12.18	18.39 / 18.42
Valentia	6.31 / 6.29	12.47 / 12.46	19.3 / 19.5

BEAUFORT NOTATION OF WEATHER.
b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♈ = lunar halo.
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; − = has decreased; + = has increased.

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

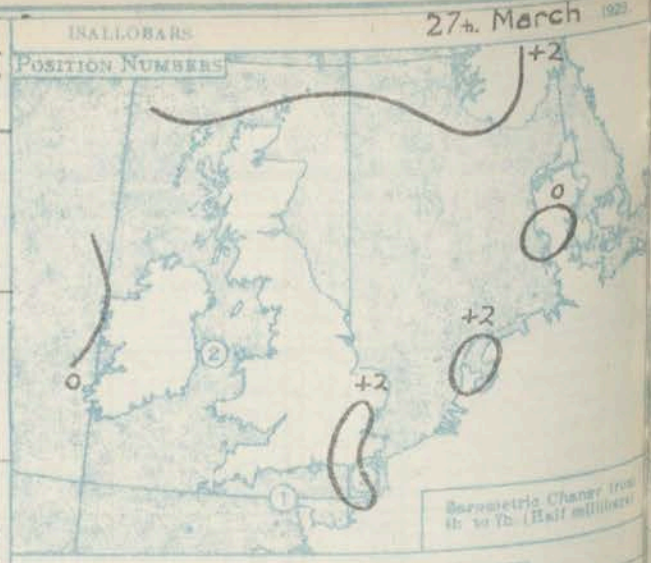
§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† Trace = rain has fallen, but amount less than 0·1 mm. • Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather 7h.-18h. 26th	Weather 18h.-18h. 26th	Weather 18h. 26th to 1h. 27th	Weather 1h.-7h. 27th	Temperature Max. Day 7h.-18h.	Temperature Min. Night 18h.-7h.	Temperature Min. on Grass	Rainfall† Day 7h.-18h. mm.	Rainfall† Day 7h.-18h. began.	Rainfall† Night 18h.-7h. mm.	Rainfall† Night 18h.-7h. began.	Sun 26th Hours.
Lerwick	c	cold,m	cod.d	od.d c	49	46	•	Tr	11.30	0.4	<21.00	0.0
Stornoway	od,c	c	c	oc	54	45	•	Tr	23.00	–	–	0.4
Wick	b-bc	b-bc	b-bc	b-bc	60	43	•	–	–	–	–	•
Tiree	cbc	bcc	c	co	52	46	44	–	–	–	–	1.0
Nairn	bcq	bcb	bbc	bc	58	42	•	–	–	–	–	6.5
Aberdeen	cbczz	bcz	bz	bw	55	37	29	–	–	–	–	0.8
Malin Head	cbcb	b	bw	fbomm	53	40	•	–	–	–	–	9.9
Renfrew	cm,c	cbcy	bcbm	bfFFx	57	30	24	–	–	–	–	6.7
Edinburgh (Inchkeith)	c	c	cbc	bcw	54	42	35	–	–	Tr	–	4.9
Leuchars	c	cbcybc	bcb	bx	61	36	29	–	–	–	–	6.4
Eskdalemuir	bc	bcc	cbcx	bx	55	25	23	–	–	–	–	4.8
Tynemouth	bcm	bcc	cbc	bc	62	44	39	–	–	–	–	•
Blacksod Point	bc	bc	cp	bcbc	54	45	•	–	•	Tr	•	•
Donaghadee	bc	bc	bc	bcb	61	40	•	–	–	–	–	•
Birr Castle	bcby	bbc		bcbxf	6m	33	26	–	–	–	–	10.9
Holyhead	cm	cbc	bcw	bcm,w	54	39	33	–	–	0.1	–	9.2
Liverpool (Bidston)	vcbc	bcvc	cbc	cbcx	57x	42	33	–	–	–	–	8.8
Chester (Sealand)	cmx,bcy	bcy	cbcm	cmF	58	30	26	–	–	–	–	8.8
Harrogate	b	bbcc	cbc	bw	60	43	35	–	–	–	–	7.6
Spurn Head	bc	bc	bccw	bcz	54	39	•	–	–	Tr	–	8.9
Birmingham (Edgbaston)	fbcb	b	b	bm	60	39	28	–	–	–	–	7.5
Cranwell	by	bbcb	cbcm	bcwm	60	37	33	–	–	–	–	8.1
Gorleston	bcm	bc	bcm ff	bcmxw	54	36	32	–	–	Tr	–	7.0
Valentia (Cahirciveen)	bcwv	bcv	bcb	bwbc	60	44	44	Tr	–	–	–	9.6
Roches Point	bc	bc	bcwbw	bccwoz	54	42	•	–	–	Tr	–	•
Pembroke (St. Ann's H.)	cFbc	bc	bcb	bbc	53	40	•	–	–	–	–	9.9
Ross-on-Wye	bcby	by	bcbw	bmwbcm	60	35	28	–	–	–	–	10.1
Leafield	cby	bbcy	b	bbc ff w	59	39	32	–	–	–	–	8.4
Winchester (Worthy Dn.)	cmbczy	bcyz	bmff	bfmbfw	62	31	28	–	–	Tr	–	7.2
S. Farnborough	bcwbcy	bbcy	ybcmf	bfbcFx	61	30	27	–	–	Tr	–	5.4
London (Kew Obsy.)	bcmbcy	bz,y	bmw	bfxw	61	35	29	–	–	Tr	–	5.4
Croydon	gfcmby	bybcz	bcbmw	bmoFe	61	36	32	–	–	0.1	–	3.5
Shoeburyness	bmaoz	bbcm	bcm	oFf	58	32	30	–	–	0.1	–	5.0
Clacton-on-Sea	bcm	bcm	bcm	bcmffb	56	34	31	–	–	–	–	3.1
Felixstowe	bcz	bcz,b	bzwbcc	oefe	59	34	24	–	–	Tr	–	8.2
Lympne	gfcm	cmfof	oFbf	bfx	57	37	29	–	–	0.2	<21.00	0.7
Scilly (St. Mary's)	b	ff	oFf	oFf	54	41	•	–	–	–	–	6.0
Falmouth (Pendennis)	of	obcF	bc fb	bo F	48	40	•	–	–	–	–	2.9
Plymouth (Cattewater)	afcbm	bFm	bm	bbcmw	52	38	33	Tr	–	Tr	–	5.3
Portland Bill	czz	czm	bcbm	boF	52	38	•	–	–	–	–	•
Southampton (Calshot)	cmcm	cocbm	bcmbfofe	ofe Fe	56	35	30	–	–	Tr	–	3.2
Dungeness	offof	offF	oFf	oF	50	35	•	–	–	0.1	–	•
Guernsey	ofefe	fefecw	bmbcomb	ofefe	48	40	•	–	–	0.2	–	0.0



Observations from Cross Channel Steamers.

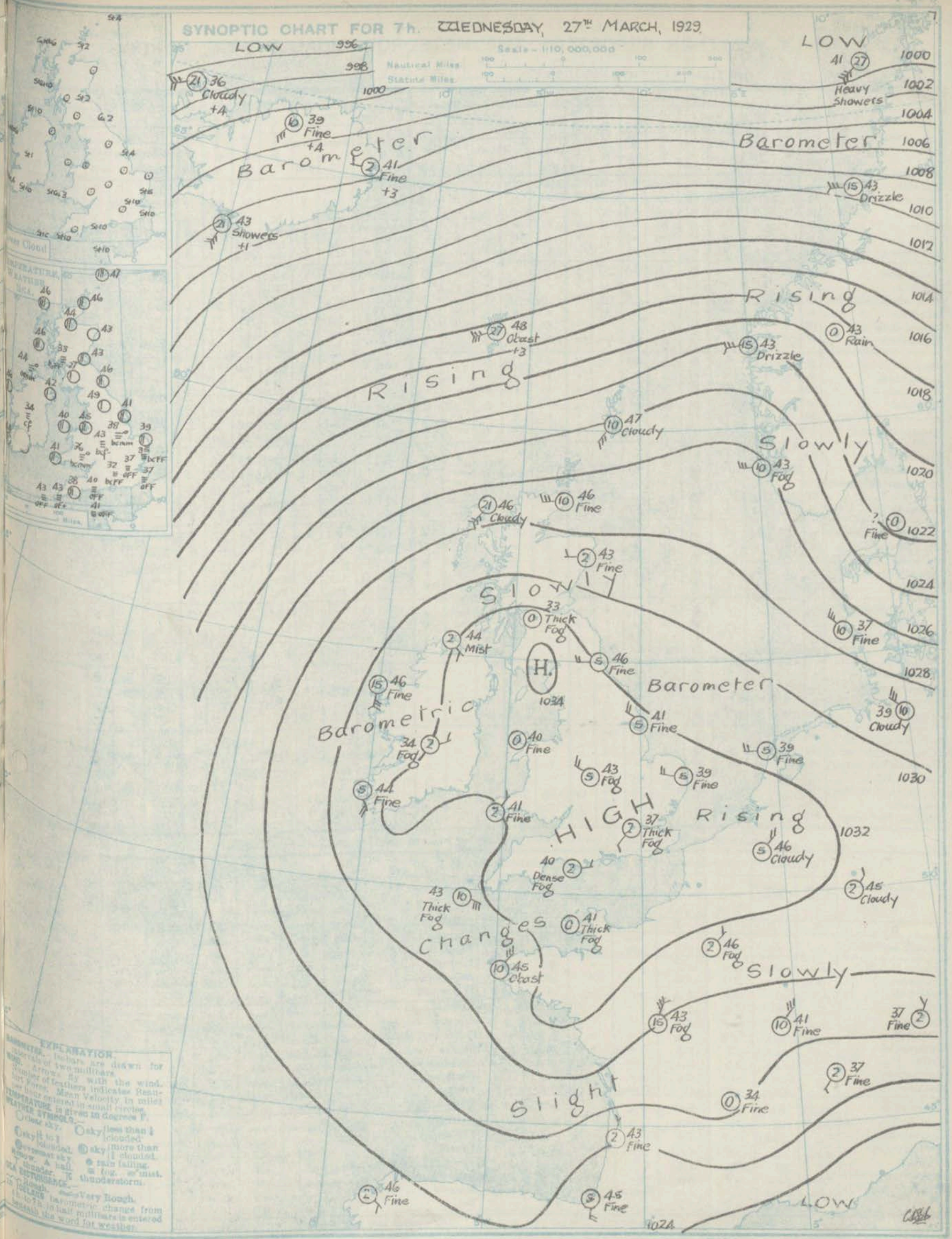
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	26th 10h	"Scotia"	S'W	1	bc	49	46	7
1	26th 10h	"St Julien"	–	0	ifo	48	47	5

GENERAL INFERENCE.

A large anticyclone over the British Isles will maintain settled fine weather for several days.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Wednesday, 27th March, 1929.	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. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind variable, light; fine; local morning fog; rather warm during day, ground frost at night.	Continuing fine over the weekend.
13. A. W. Scotland B. N.W. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	Wind S.W., moderate, falling light; fair; rather warm during day, ground frost locally at night.	
17. N.W. Ireland	Wind S., light or moderate; fair; rather warm.	
18. N.E. Ireland 19. S.E. Ireland	As 1 - 12.	
20. S.W. Ireland	As 17.	

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



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Wednesday 27th March 1929. No. 86.

Stations.	Height above M.S.L. in feet.	Observations at 1h. G.M.T. 27th: Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Observations at 7h. G.M.T. 27th: Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sun. 0-9
Lerwick	54	1021.9	+1	SW	4	od.de	47	97	7	1500	Nb	10	–	10	1024.2	+3	SW	3	c	47	92	7	450	St	4	ASt	10	•
Stornoway	30	1027.1	+2	SW	4	c	•	•	6	•	•	•	•	10	1027.2	+2	SW	5	c	46	92	7	4000	C.Nb	6	ACu	8	4
Wick	81	1026.5	+1	WSW	2	b	44	97	8	–	–	0	–	0	1027.1	+1	W	3	bc	46	92	8	4000	St	2	CiCu	5	1
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1030.4	+1	SSW	3	c	46	92	8	1500	StCu	10	–	10	4
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1028.5	•	W	1	bc	44	75	8	2500	Cu	4	–	4	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.3	+1	W	1	b	43	75	8	–	–	0	–	0	0
Malin Head	51	1031.7	+1	–	0	fb	44	97	3	–	–	0	–	0	1032.0	+1	SE	1	mm.0	44	97	4	220	St	10	–	10	2
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	1032.1	+2	–	0	FFb	33	97	1	–	–	0	–	0	•
Edinburgh (Inchkeith)	190	1029.9	+1	W	3	bc	45	85	7	1500	St	3	–	3	1030.9	+1	SW	1	bc	43	85	6	800	St	2	ACu	3	0
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	1031.0	+1	W	2	b	42	92	7	–	–	0	–	0	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.7	+1	–	0	b	27	97	8	–	–	0	Ci	1	1
Tynemouth	67	1032.0	+1	W	3	bc	46	75	7	1500	Cu	3	–	3	1031.6	+1	W	2	bc	46	75	6	1500	Cu	2	Ci	3	4
Blacksod Point	18	1031.2	0	S	4	c/pr.	49	92	7	•	C.Nb	9	–	9	1030.8	0	S	4	bc+	46	97	7	•	C.Nb	7	–	7	1
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1031.5	0	WSW	1	b+	42	92	7	–	–	0	Ci	2	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	1031.7	•	ENE	1	(fc)	34	97	3	2500	St	1	Ci	9	0
Holyhead	30	1033.0	0	–	0	bc	41	97	6	–	–	0	Ci.St	4	1032.9	+1	–	0	bc	40	92	6	–	–	0	Ci	3	•
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1033.3	0	S'W	2	bc	45	75	6	–	–	0	Ci	7	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1033.0	+1	S'E	1	Fb+	30	92	1	–	–	0	Ci	2	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	1033.0	+1	–	0	b	49	65	8	–	–	0	Ci	1	0
Spurn Head	29	1031.7	0	W'N	2	c	43	85	5	800	St	6	CiCu	8	1032.4	+1	NW'N	2	bc	41	92	5	800	St	4	Ci	5	0
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•	1033.6	+1	NW	2	fbc-	43	85	4	–	–	0	Ci	3	•
Cranwell	236	1032.3	0	–	0	bc	41	85	5	–	–	0	Ci.St	5	1033.1	+1	W'N	2	mmbc	38	92	4	–	–	0	Ci.St	5	0
Gorleston	14	1032.8	0	–	0	b/m	37	85	5	–	–	0	Ci	2	1032.6	0	WNW	2	bc	39	97	5	–	–	0	Ci	5	0
Valentia (Cahirciveen) P	30	1031.8	+1	SE	2	0	48	97	7	–	St	10	–	10	1031.8	0	SSE	2	bc	44	92	8	2500	StCu	4	CiCu	7	2
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1032.6	+1	N	3	0	43	97	5	800	St	10	–	10	0
Pembroke (St. Ann's H.)	166	1033.2	+1	NNE	1	b	46	65	8	–	–	0	Ci	2	1031.9	+1	NE	1	bc+	41	92	7	4000	StCu	3	Ci	6	0
Lass-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1033.4	0	W	1	mmbc	36	92	4	–	–	0	Ci	7	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1032.9	0	NNW	2	bc	41	85	5	–	–	0	Ci.St	5	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•	1033.0	0	–	0	bc	32	97	5	–	–	0	Ci	4	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	1033.1	+1	W	1	FFbc	32	97	1	–	–	0	Ci.St	3	•
London (Kew Obsy.)	18	•	•	•	•	•	41	•	•	•	•	•	•	•	1033.5	+2	SW	1	FF0	37	97	1	<150	St	10	–	10	•
Croydon	244	1032.6	0	–	0	mmb	41	97	4	–	–	0	–	0	1033.0	+1	–	0	F0+	37	97	1	<150	St	10	–	10	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1033.2	+1	–	0	F0+	39	97	0	<150	St	10	–	10	0
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1032.8	+2	NNE	1	FFbc	35	97	1	<150	St	5	–	5	0
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1033.4	+1	–	0	FF0	36	97	1	<150	St	10	–	10	0
Lympne	350	1032.5	+1	N'E	3	ffb	41	97	3	–	–	0	Ci	2	1032.6	+1	SE	1	Fb+	37	97	1	–	–	0	–	0	•
Scilly (St. Mary's)	163	1032.3	0	NE	3	FF0	41	97	1	450	St	10	–	10	1031.9	0	ESE	3	FF0	43	97	1	450	St	10	–	10	1
Falmouth (Pendennis)	200	1032.0	+1	–	0	b	41	92	7	–	–	0	–	0	1032.1	0	–	0	F0+	43	97	0	<150	St	10	–	10	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1032.7	+1	NE	1	bc	38	97	6	–	–	0	Ci	4	1
Portland Bill	32	1031.7	0	NNE	2	b	45	85	5	–	–	0	–	0	1032.5	+1	E	1	FF0	40	97	0	<150	St	10	–	10	0
Southampton (Calshot)	10	1031.9	0	NNW	1	FF0	39	97	0	<150	St	10	–	10	1032.9	0	NW'N	1	FF0	36	97	0	<150	St	10	–	10	1
Dungeness	20	1032.3	+1	WNW	1	F0+	41	97	0	<150	St	10	–	10	1032.7	+3	SW	1	FF0	37	97	0	<150	St	10	–	10	0
Guernsey (Fort George) P	205	1032.0	0	–	0	ffo	45	97	2	220	St	10	–	10	1032.3	+1	–	0	FF0	41	97	1	<150	St	10	–	10	0

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.-25th to 9h.-26th °F.	Temperature. Max. 9h.-17h. 25th-26th °F.	Rainfall.† Night 17h.-9h. 25th-26th mm.	Rainfall.† Day 9h.-17h. 26th mm.	Sunshine. Sunrise to 17h. 26th hr.	Sunshine. Sunrise to Sunset. 25th hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	bc	bc	38	62	–	–	6.2	8.5
Douglas (I. o. M.)	xbcc	cbc	39	55	–	–	8.1	1.6
Llandudno	bc	bc	39	56	–	–	5.8	0.0
Colwyn Bay	cb	b	38	53	–	–	6.0	0.1
Rhyl	bc	b	36	55	–	–	7.6	0.3
Wallasey	bcb	b	40	53	–	–	9.0	0.0
Southport	bcbc	bbc	*38	53	–	–	8.8	0.0
Blackpool	cb	bcc	38	53	–	–	7.3	0.3
Ilkley	3	bbc	36	60	–	–	7.4	1.0
Cleethorpes	b	b	40	54	–	–	9.1	2.2
Skegness	b	bbc	40	50	Trace	–	8.7	4.4
Aberystwyth	ffxbc	bc	38	49	0.5	–	8.7	0.0
Bath	bcb	b	41	62	–	–	8.6	1.6
Cheltenham	b	bm.	40	59	–	–	7.6	3.0
Leamington Spa	byb	b	38	61	0.6	–	8.0	2.1
Lowestoft	b	b	43	51	–	–	8.8	1.1
Harwich & Dovercourt	rbc	bcz	47	60	1	–	7.9	4.2
Maldon	cbc	bbc	45	60	Trace	–	4.8	2.0
Southend	cn	cbcm	46	57	0.3	–	5.5	2.5

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	6obc	bcom	4.0				4.0	0.0
Penzance	fbo	cof	41	54	–	–	1.6	1.0
Paignton	bw	b	43	59	–	–	8.1	0.6
Torquay	bm	bc	44	60	–	–	8.9	0.3
Jersey	fgzf	fc	43	48	Trace	–	0.0	0.3
Weymouth	b	bm.	44	60	–	–	7.8	0.3
Bournemouth	bc	bcm	45	59	–	–	4.7	1.1
Ventnor	mdom	bm	44	54	Trace	–	4.6	0.2
Portsmouth (S'thsea)	ocb	bco	45	57	–	–	4.7	0.7
Bognor	cbc	bcbbc	44	52	0.3	–	4.8	0.1
Littlehampton	cbc	bcc	44	53	–	–	5.6	0.5
Worthing	cbc	bcc	44	55	Trace	–	4.5	0.8
Brighton	foc	bcbc	43	52	Trace	–	3.7	0.0
Eastbourne	oc	cbcc	43	55	0.1	–	3.3	0.0
Hastings‖	ofmo	ocbcc	44	51	1	–	1.5	0.9
Folkestone	of	of	42	46	Trace	–	0.1	1.3
Dover	of	of	42	46	Trace	–	0.0	0.6
Tunbridge Wells	ocbc	cbc	46	59	1	–	1.7	3.0
Ramsgate	cmcbc	mf	42	50	–	–	1.9	2.5
Margate	fbc	mbc	46	54	–	–	3.2	2.8
Deal	obc	b	44	52	–	–	1.0	1.8

TERMS OF SUBSCRIPTION.—5/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information not usually received. P The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. ‡ For code see page 1. †‡ See footnote page 1.

‖ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ✚ 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24598 Thursday, 28th March 1929.

Observations at 13h. G.M.T. 27th. — Observations at 18h. G.M.T. 27th.

Stations (For heights see p. 4).	13h Barom. at M.S.L. mb.	13h Change in 3 Hours ‡	13h Wind Direc.	13h Wind Force 0-12	13h Weather	13h Temp. °F.	13h Humidity %	13h Visibility § 0-9	13h Cloud Low Height Feet	13h Cloud Low Form	13h Cloud Low Amt. 0-10	13h Cloud Upper Form	13h Cloud Total Amt. 0-10	State of ground	18h Barom. at M.S.L. mb.	18h Change in 3 Hours ‡	18h Wind Direc.	18h Wind Force 0-12	18h Weather	18h Temp. °F.	18h Humidity %	18h Visibility § 0-9	18h Cloud Low Height Feet	18h Cloud Low Form	18h Cloud Low Amt. 0-10	18h Cloud Upper Form	18h Cloud Total Amt. 0-10	Sea 0-9
Lerwick	1026.6	+2	SW	4	c	47	92	7	450	St.	5	A.St.	10	•	1026.9	0	SW	3	c	47	85	7	450	St.	8	-	8	•
Stornoway	1028.7	+1	SW	4	bc	52	75	8	4000	Cu.Nb.	5	A.Cu.	6	•	1028.6	0	SW	5	bc	50	75	8	4000	Cu.Nb.	7	-	7	4
Wick	1028.5	+2	SSW	2	bc	49	92	8	1500	St.	2	Ci.Cu.	6	•	1028.6	0	ENE	1	bc	46	92	8	-	-	0	Ci.St.	4	0
Tiree	1031.8	+1	S	4	c	51	85	8	1500	St.Cu.	8	-	8	0	1031.8	0	S	2	efo	43	97	2	-	-	0	Ci.	2	2
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1029.2	*	WSW	2	bc	56	65	8	-	-	0	Ci.Cu.	4	•
Aberdeen	1029.8	0	SSE	3	b	64	35	7	-	-	0	Ci.Cu.	1	0	1029.6	0	E	1	b	49	85	6	-	-	0	-	0	0
Malin Head	1032.4	+1	NE	3	ffc	45	97	2	4000	Cu.	8	-	8	•	1032.5	0	NE	1	bc-	50	85	8	-	-	0	Ci.Cu.	7	1
Renfrew	1032.4	0	SW	4	b	62	55	8	-	-	0	-	0	1	1032.1	0	WSW	3	bc	56	65	7	-	-	0	Ci.	3	•
Edinburgh (Inchkeith)	1030.7	-1	W	2	mbc	59	65	4	450	St.	5	-	5	•	1031.1	0	WSW	3	bc	58	55	7	800	St.	3	Ci.	4	1
Leuchars	1030.9	-1	WNW	3	b	65	45	8	-	-	0	Ci.	2	1	1030.6	+1	WSW	3	b	58	55	7	1500	St.	1	Ci.	2	•
Eskdalemuir	1032.5	0	SWW	4	b	60	55	8	-	-	0	Ci.	1	1	1032.4	0	SSW	3	b-	55	65	8	2500	St.Cu.	1	Ci.	2	•
Tynemouth	1031.8	0	SSE	2	bc	61	75	6	800	St.	3	-	3	•	1031.9	0	S	1	bc	55	55	6	800	St.	3	Ci.	4	0
Blacksod Point	1032.3	+2	S	3	c	52	85	8	*	St.Cu.	8	-	8	•	1032.3	0	SW	2	bc	51	85	8	*	-	0	Ci.	5	4
Donaghadee	1032.4	0	ESE	2	b	49	85	7	-	-	0	Ci.	2	•	1031.7	-1	S	1	bc-	50	75	8	-	-	0	Ci.St.	3	1
Birr Castle	1032.0	*	S	1	bc-	60	65	7	4000	Cu.	1	Ci.	7	•	1031.5	*	SE	1	c	60	75	7	-	-	0	Ci.Cu.	9	•
Holyhead	1033.4	0	NW	1	bc	52	75	8	-	-	0	Ci.St.	4	1	1033.1	-1	[illegible]	1	bc+	50	75	7	-	-	0	Ci.St.	7	0
Liverpool (Bidston)	1033.5	0	NNW	2	bc-	53	65	6	-	-	0	A.St.	7	•	1033.4	0	NW	2	bc-	49	76	6	-	-	0	Ci.St.	5	•
Chester (Sealand)	1033.5	-1	-	0	bc	66	45	6	-	-	0	Ci.St.	3	0	1033.5	0	WNW	3	b	48	85	6	-	-	0	Ci.	2	•
Harrogate	1032.7	0	SSE	1	b	67	35	8	-	-	0	Ci.St.	1	•	1033.5	0	-	0	b	61	35	5	2500	St.	1	-	1	•
Spurn Head	1033.3	0	SW	1	bc	56	55	6	1500	St.	4	-	4	•	1032.7	0	S	2	bc-	48	75	6	4000	St.Cu.	3	-	3	1
Birmingham (Edgbaston)	1032.6	0	NNE	2	b	63	35	5	-	-	0	-	0	1	1032.2	0	ESE	2	fb+	62	45	3	-	-	0	-	0	•
Cranwell	1032.7	-1	NEE	2	b	65	55	6	-	-	0	Ci.St.	1	1	1032.7	0	ESE	2	b	59	65	7	-	-	0	-	0	•
Gorleston	1032.6	0	NNE	3	b	60	45	6	2500	St.	2	-	2	•	1032.8	0	NNE	2	b	51	75	6	-	-	0	-	0	0
Valentia (Cahirciveen)	1031.7	-1	SW	2	bc	58	55	9	4000	Cu.	1	Ci.Cu.	3	0	1032.5	+1	SW	3	bc	50	85	8	1600	St.Cu.	3	A.Cu.	4	1
Roches Point	1032.6	0	SW	2	bc/f	48	92	7	-	-	0	Ci.St.	4	•	1032.8	+1	SE	2	c	49	94	8	2500	St.Cu.	10	-	10	0
Pembroke (St. Ann's H.)	1032.2	0	SE	1	bc	55	65	5	-	-	0	Ci.St.	5	•	1032.1	-1	NW	1	bc	53	65	6	-	-	0	Ci.St.	5	1
Ross-on-Wye	1031.9	0	NW	2	b	63	55	6	-	-	0	Ci.	2	0	1031.2	0	W	1	bc	63	55	6	-	-	0	Ci.St.	3	•
Leafield	1032.1	0	NEN	2	b	62	45	6	-	-	0	-	0	0	1031.5	0	ES	1	b	61	35	6	-	-	0	Ci.St.	1	•
Winchester (Worthy Dn.)	1031.8	-2	NNE	2	b	63	45	6	-	-	0	-	0	0	1032.0	0	SSE	1	b	50	75	5	5700	St.Cu.	1	-	1	•
S. Farnborough	1032.1	-2	ESE	2	bc+	64	45	6	-	-	0	Ci.	3	0	1031.7	0	SE	1	b	58	65	6	-	-	0	Ci.	2	•
London (Kew Obsy.)	1032.8	-1	-	0	ffb	56	65	3	-	-	0	-	0	1	1031.9	0	SE	1	b	60	45	5	-	-	0	-	0	•
Croydon	1032.4	-1	NE	3	b	63	45	6	-	-	0	-	0	0	1031.9	0	SES	2	b+	61	45	6	-	-	0	Ci.	1	•
Shoeburyness	1033.6	0	SSE	1	b/f	51	75	7	-	-	0	-	0	•	1033.5	-1	E	1	b	49	85	7	-	-	0	-	0	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1032.5	-1	ESE	2	bc	45	85	6	4000	St.	3	-	3	0
Felixstowe	1033.2	-1	S	1	b	46	75	6	-	-	0	-	0	0	1033.1	+1	-	0	mb	44	85	4	-	-	0	-	0	0
Lympne	1032.1	-1	SE	1	b/m	53	75	6	-	-	0	-	0	0	1032.4	0	ES	2	b	47	75	6	-	-	0	-	0	•
Scilly (St. Mary's)	1032.1	+1	ES	3	c	48	92	6	4000	St.Cu.	9	-	9	•	1032.6	0	EN	1	ffo	45	97	3	1500	St.	10	-	10	1
Falmouth (Pendennis)	1032.2	+1	-	0	bc	52	75	6	4000	St.Cu.	2	A.Cu.	4	•	1032.2	-1	-	0	efo	47	92	1	450	St.	10	-	10	0
Plymouth (Cattewater)	1032.5	0	SW	2	b	51	75	6	-	-	0	-	0	1	1032.2	0	-	0	b	45	97	6	-	-	0	-	0	0
Portland Bill	1032.5	0	SW	2	fo-	45	97	3	450	St.	10	-	10	•	1031.7	-1	E	1	FFo	40	97	1	450	St.	10	-	10	0
Southampton (Calshot)	1032.6	-2	SSE	1	b/f	46	92	X5	-	-	0	-	0	0	1032.6	0	SSE	2	Fo+	42	97	1	450	St.	10	-	10	0
Dungeness	1033.0	0	SE	1	FFo	42	97	0	450	St.	10	-	10	•	1032.1	-1	ESE	1	b-	45	92	6	-	-	0	-	0	0
Guernsey (Fort George)	1032.5	0	E	1	FFo	47	97	1	220	St.	10	-	10	•	1031.6	-2	NE	1	FFb	43	97	0	-	-	0	-	0	0

London Observations. Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. Day °F.	Temp. Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h
		24 Hours ended 9h.											
Kew	18	bfwbf	bz₀y	bmwbfx	64	33	25	-	Tr.	7.1	*	*	3
Croydon	244	bfe	bz₀y	bmwbfx	66	36	28	-	-	8.6	*	*	4
Greenwich (Royal Obsy.)	149	fbz₀	bz₀	bz₀mgb	67	34	21	-	Tr.	7.7	42	63	6
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	2.2	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	66	40	25	-	-	4.6	41	63	*
Regent's Pk. (Botanic Gdns).	165	*	*	*	*	*	*	*	*	4.0	*	*	*
Camden Square	110	b	b	*	70	39	*	-	-	*	*	67	*
Kensington Palace	30	bm	b	*	66	39	28	-	-	*	(At 18h) 59	69	*
Hampstead Observatory	450	*	*	*	65	41	28	-	-	8.7	*	73	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 7h. G.M.T. 28th

South Kensington			
Max.	Time.	Min.	Time.
3.0	12h 27m	0.4	6h 28m

Kew Observatory			
Max.	Time.	Min.	Time.
0.9	13h 27m	0.2	18h 27m

Pole Star Record at Greenwich Obsy.

Exposure from 27th 19h 30m. to 28th 4h 45m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	9 15	9 15	100
δ Ursae Minoris	9 15	9 15	100

Code for State of Ground.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

Table showing the Greenwich times of Sunrise, Noon, and Sunset.

28th and 29th March 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.40	11.58	18.18
	5.38	11.58	18.20
Greenwich	5.48	12.5	18.24
	5.45	12.5	18.26
Wick	5.55	12.18	18.42
	5.52	12.17	18.44
Valentia	6.28	12.46	19.5
	6.26	12.46	19.7

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze, the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

Symbols.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♍ = lunar halo.
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; — = has decreased; + = has increased.

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

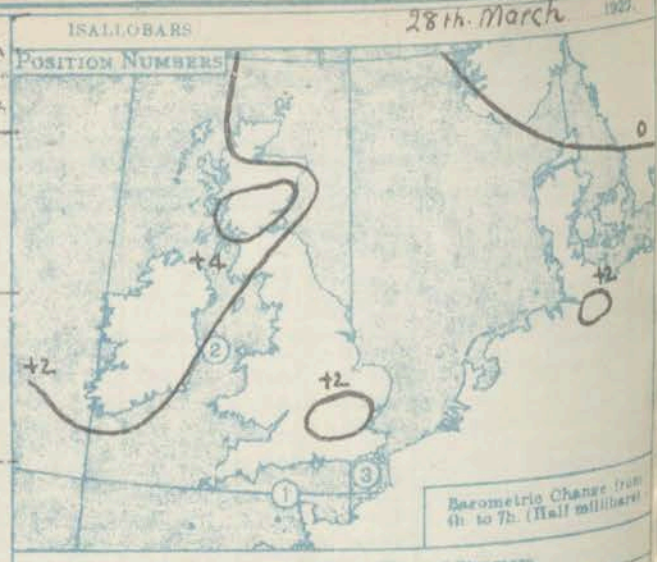
§ Telegraphic Code for Surface Visibility.

Code	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 miles.	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-18h. 27th	Weather. 18h.-18h. 27th	Weather. 18h. 27th to 1h. 28th	Weather. 1h.-7h. 28th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall† Day. 7h.-18h. mm.	Rainfall† Day. 7h.-18h. began.	Rainfall† Night. 18h.-7h. mm.	Rainfall† Night. 18h.-7h. began.	Sun 27th Hours.
Lerwick	c	c	cbcc	c	47	45	•	-	-	-	-	0.0
Stornoway	cbc	c	c	c	53	47	•	-	-	-	-	5.1
Wick	b-bc	b-bc	bbc	bbc	50	39	•	-	-	-	-	•
Tiree	bc	~~mbc~~	if bc	ifc	54	38	30	~~(Tr)~~	-	-	-	2.1
Nairn	b-b	bgbc	bc+	xb	63	39	•	-	-	-	-	11.5
Aberdeen	by	bybz₀	bzzo	bz₀x	65	35	29	-	-	-	-	11.3
Malin Head	ozmcffb	ccfb,bc	bcb	b	50	39	•	-	-	-	-	4.1
Renfrew	bffby	bybc	bcbm₀	bm₀x	63	30	22	-	-	-	-	9.2
Edinburgh (Inchkeith)	bzmm	bcm	bcm₀	bcmm₀	62	41	38	-	-	-	-	10.7
Leuchars	by	by	byb	bbw	67	39	30	-	-	-	-	11.1
Eskdalemuir	bxby	b-bc	by bbx	bx	63	26	22	-	-	-	-	11.1
Tynemouth	bc	bc	bcifbc	bc	70	42	30	-	-	-	-	•
Blacksod Point ...	c	bc	bcb	oc	53	44	•	-	•	-	•	•
Donaghadee	b	bbc	bcb	bw	53	37	•	-	-	-	-	•
Birr Castle	cbc	c		cbxcf	63	35	27	-	-	-	-	9.2
Holyhead	bcnbbc	bc	bcbw	bm₀w	55	43	35	-	-	Tr.	-	11.0
Liverpool (Bidston) ...	m₀bcz	bcz₀	bcbm₀	bfx	57	42	33	-	-	-	-	9.3
Chester (Sealand) ...	fbczy	bybzm₀	bm	bmffx	66	31	25	-	-	-	-	9.7
Harrogate	b	b	b	bw	69	44	34	-	-	-	-	10.8
Spurn Head	bcy	bc	bcbb	bcz	57	40	•	-	-	-	-	11.3
Birmingham (Edgbaston)	mbcb	bm	bf	bfx	66	41	28	-	-	-	-	8.5
Cranwell	bcby	b-bc	b	bw	68	37	32	-	-	-	-	10.3
Gorleston	bcm₀y	bm₀y	bm₀	bm₀w	54	35	33	-	-	Tr.	-	9.3
Valentia (Cahirciveen)	bcvy	bcvy	bccO	oc	59	45	43	-	-	-	-	10.2
Roches Point	ozoifbc	bcc	czbcw	bccw	53	42	•	Tr.	-	Tr.	-	•
Pembroke (St. Ann's H.)	bcm	bcm₀	bcbm₀	bz	56	44	•	-	-	-	-	9.2
Ross-on-Wye	bcby	byz₀	bcwbm	bfw	67	36	28	-	-	-	-	9.7
Leafield	bcby	by	b	b	66	37	31	-	-	-	-	9.6
Winchester (Worthy Dn.)	bcmbz₀y	bcybz₀	bm₀m	bmff	66	33	29	-	-	Tr.	-	8.2
S. Farnborough ...	bcfbm₀	bz₀zy	bzf	bff	65	29	25	-	-	Tr.	-	6.5
London (Kew Obsy.) ...	bfwbf	bz₀y	bmw	bfx	64	33	25	-	-	Tr.	-	7.1
Croydon	bfc	bz₀y	bmw	bmwfx	66	36	28	-	-	-	-	8.6
Shoeburyness	bffb	b	bm	bm₀	54	34	31	-	-	Tr.	-	7.2
Clacton-on-Sea ...	ffbbcm	bbcm	bcbm	bmbz	47	40	37	-	-	-	-	7.2
Felixstowe	bm₀	bz₀	bzwx	bz₀	53	34	26	-	-	-	-	8.9
Lympne	bfm	bz₀y	bm₀	bm₀	55	39	38	-	-	-	-	9.2
Scilly (St. Mary's) ...	bffcm₀	cbff	bEff	bEffbm	49	43	•	-	-	Tr.	+21.00	1.2
Falmouth (Pendennis)	bfbz₀	bcf	bfbm₀	bm₀	53	42	•	-	-	-	-	7.5
Plymouth (Cattewater)	bcm₀b	bm₀	bm₀	bm₀wx	55	39	32	-	-	Tr.	-	9.4
Portland Bill	bf	bf	bfbz₀	bm₀	47	38	•	-	-	-	-	•
Southampton (Calshot)	bfcfbfcm	bmbfc	bfcbmffc	bffcmc	50	35	27	Tr.	-	Tr.	-	6.2
Durgeness	bff	bfbbcm	bcmb	bbm₀	47	35	•	-	-	-	-	•
Guernsey	bfcfc	bffc	bff	cbcbm₀w	47	40	•	Tr.	-	Tr.	-	0.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
3	28th 2h	Diebpe	NE	4	bc/f	45	45	7

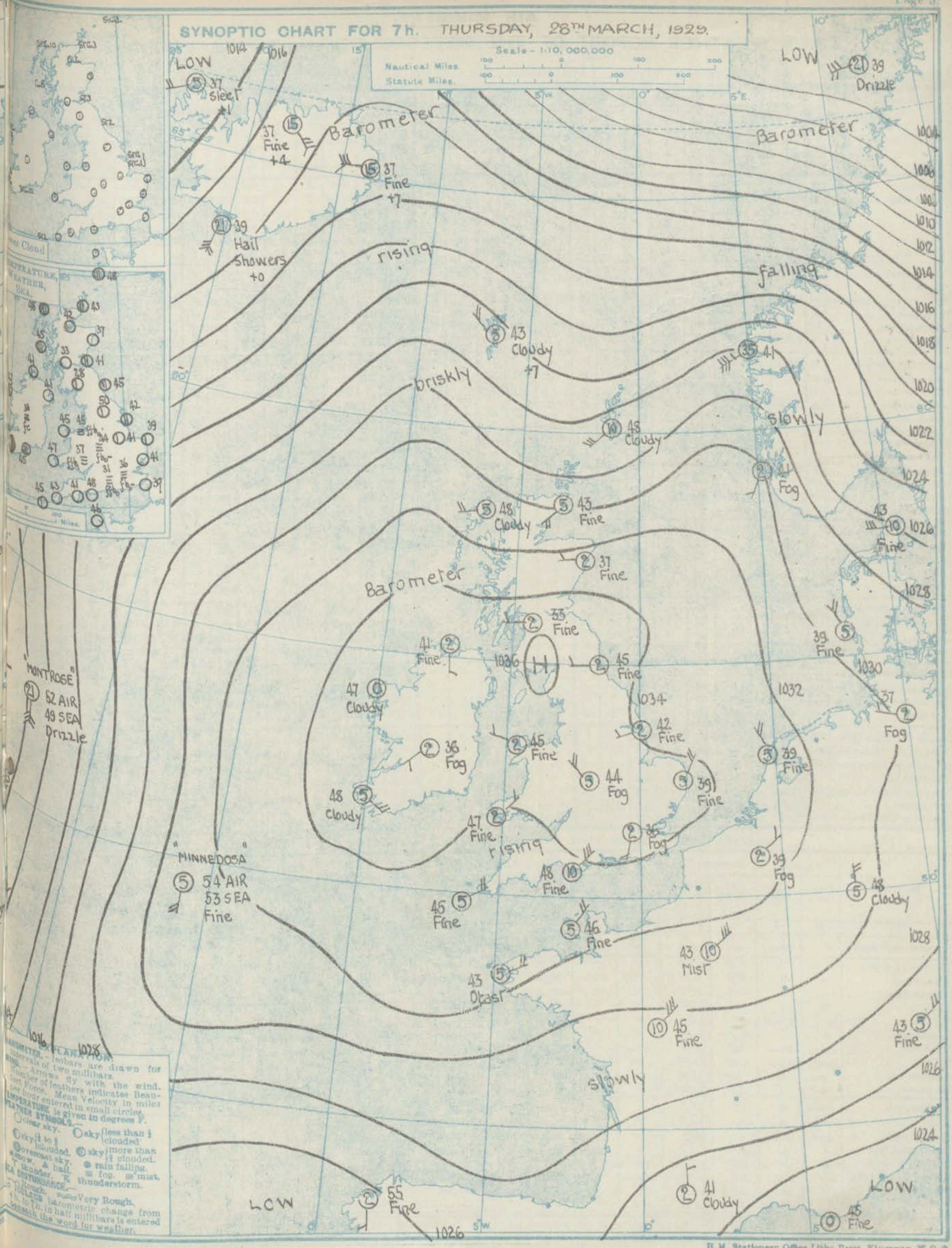
GENERAL INFERENCE.

A large anticyclone covers the British Isles, and the centre is tending to move slowly west or northwest. Quiet fair weather will continue for some days.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Thursday, 28th March, 1929.	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. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotland B. N.W. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	ALL DISTRICTS. Wind variable, light; bright; local morning mist or fog; warm during day, ground frost locally at night.	Fair weather continuing over Monday. Probably becoming cooler in eastern districts.

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

† For code see page 1. ‡ Trace = rain has fallen, but amount less than 0.1 mm.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION Thursday, 28th March 1929. No. 87

STATIONS.	Height above M.S.L. in feet	1h. Barom. at M.S.L. mb.	1h. Change in 3 Hours	1h. Wind Direc.	1h. Wind Force 0-12	1h. Weather	1h. Temp. °F.	1h. Humidity %	1h. Visibility 0-9	1h. Cloud Low Height Feet	1h. Cloud Low Form	1h. Cloud Low Amt. 0-10	1h. Upper Form	1h. Total Amt. 0-10	7h. Barom. at M.S.L. mb.	7h. Change in 3 Hours	7h. Wind Direc.	7h. Wind Force 0-12	7h. Weather	7h. Temp. °F.	7h. Humidity %	7h. Visibility 0-9	7h. Cloud Low Height Feet	7h. Cloud Low Form	7h. Cloud Low Amt. 0-10	7h. Upper Form	7h. Total Amt. 0-10	Sea 0-9
Observations at 1h. G.M.T. 28th / 7h. G.M.T. 28th																												
Lerwick	54	1025.9	0	SW	3	c	48	85	8	1500	Stcu	5	Acu	8	1026.4	+1	SW	3	c	48	85	7	1500	Stcu	2	FrSt	10	•
Stornoway	30	1030.4	+2	SW	4	c-	•	•	6	•	•	•	•	10	1031.4	+3	WSW	2	c	48	92	7	4000	Stcu	10	-	10	1
Wick	81	1030.2	+1	WSW	2	b	40	97	8	-	-	0	CiSt	2	1031.0	+1	SW	2	bc	43	92	8	2500	Stcu	3	-	3	0
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1033.9	+1	SW	2	c	45	97	8	1500	Cu	8	-	8	1
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1032.7	•	-	0	b-	42	85	8	4000	Cu	2	-	2	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	1033.4	+4	W	1	b	37	85	5	-	-	0	-	0	0
Malin Head	62	1033.3	+1	S	1	bw	42	92	8	-	-	0	CiCu	1	1034.7	+2	S	1	b	41	97	8	-	-	0	CiCu	1	1
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.8	+3	W	1	b	33	97	5	-	-	0	-	0	•
Edinburgh (Inchkeith)	190	1032.7	+1	WSW	2	b	45	85	6	800	St	2	-	2	1034.4	+3	W	2	bc	41	85	6	800	St	3	-	3	0
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	1033.6	+6	SW	3	b	45	85	6	-	-	0	Ci	1	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1036.7	+2	-	0	b	28	97	8	-	-	0	Ci	1	•
Tynemouth	87	1033.6	+1	W	2	b	46	75	6	-	-	0	-	0	1034.2	+1	W	1	bc	45	65	6	1500	St	2	Ci	3	1
Blacksod Point	18	1032.6	0	-	0	b	47	92	7	•	-	0	-	0	1034.8	+3	-	0	c-	47	85	7	•	Stcu	9	-	9	2
Donaghadee	46	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.8	+3	-	0	b	41	97	7	-	-	0	-	0	0
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.3	•	SW	1	{ffc}	36	97	3	-	-	0	CiCu	10	•
Holyhead	26	1034.2	+1	-	0	b	45	85	6	-	-	0	-	0	1034.4	+1	NWW	1	b	45	85	6	-	-	0	-	0	0
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1036.2	+1	SE	2	ffb	45	85	2	-	-	0	-	0	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1036.0	+1	SSE	1	fb+	31	97	2	-	-	0	-	0	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.7	0	SW	2	b	50	55	8	-	-	0	Ci	1	•
Spurn Head	29	1033.3	0	NNW	2	b	43	92	6	-	-	0	-	0	1033.9	0	WS	1	bc	42	92	5	1500	St	5	•	5	0
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•	1035.5	+1	NW	2	fb-	44	85	3	-	-	0	-	0	•
Cranwell	236	1034.2	0	WSW	1	b	42	85	7	-	-	0	-	0	1034.7	+1	W	3	b	41	92	5	-	-	0	Ci St	1	•
Gorleston	14	1034.2	0	NWN	1	b	40	85	6	-	-	0	-	0	1034.4	0	NEN	2	b	39	92	5	-	-	0	Ci	2	0
Valentia (Cahirciveen) ₱	30	1034.8	0	S	2	o	47	97	7	-	St	10	-	10	1035.1	+3	SE	2	c	48	85	8	1500	Stcu	10	-	10	1
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1036.3	+3	N	3	c	45	92	7	1500	Stcu	10	-	10	0
Pembroke (St. Ann's H.)	160	1033.0	+1	N	1	b-	47	85	7	-	-	0	-	0	1033.2	0	NE	1	b	47	85	6	-	-	0	-	0	0
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.7	0	-	0	ffb	37	92	3	-	-	0	-	0	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.3	0	NWN	2	b	41	92	6	-	-	0	-	0	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.1	+1	NWN	1	{ffb}	38	92	3	-	-	0	-	0	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.3	+2	NW	1	ffb	31	97	3	-	-	0	-	0	•
London (Kew Obsy.)	18	•	•	•	•	•	43	•	•	•	•	•	•	•	1034.7	+2	SSW	1	fb-	36	97	2	-	-	0	-	0	•
Croydon	244	1033.9	+1	-	0	mmb	40	92	4	-	-	0	-	0	1034.4	+1	-	0	mmb	37	97	4	-	-	0	-	0	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.5	+1	NNW	1	b	41	97	6	-	-	0	-	0	•
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1033.7	+2	NNW	4	b	41	92	6	-	-	0	-	0	1
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.3	+1	NNW	2	b	41	92	5	-	-	0	Ci	1	0
Lympne	350	1032.9	0	NNE	4	b	46	75	5	-	-	0	-	0	1033.1	+1	NE	4	b	41	85	5	-	-	0	-	0	•
Scilly (St. Mary's)	163	1031.7	0	NEN	3	FFO	44	97	1	450	St	10	-	10	1033.3	0	NEE	2	b-	45	97	5	1500	St	2	-	2	1
Falmouth (Pendennis)	200	1032.7	+1	N	3	b	45	92	6	-	-	0	-	0	1032.7	+1	-	0	b	48	92	6	-	-	0	-	0	0
Plymouth (Cattewater)	89	•	•	•	•	•	•	•	•	•	•	•	•	•	1032.4	+1	NNE	1	b	41	92	5	-	-	0	-	0	0
Portland Bill	32	1032.2	0	-	0	b	45	85	6	-	-	0	-	0	1032.7	0	NE	3	b	48	75	5	-	-	0	-	0	0
Southampton (Calshot)	10	1033.4	0	-	0	ffb	38	97	3	-	-	0	-	0	1034.0	+1	NNW	3	mmb	39	97	4	-	-	0	-	0	0
Dungeness	20	1032.7	+1	NNE	1	b	40	97	7	-	-	0	-	0	1033.1	+1	NNE	1	b	39	92	6	-	-	0	-	0	1
Guernsey (Fort George) ₱	295	1031.6	0	-	0	ffo	42	97	2	220	St	10	-	10	1032.5	+1	NE	2	b	46	85	6	-	-	0	-	0	0

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

STATIONS. (1)	Weather Forenoon (2)	Weather Afternoon (3)	Temperature Min. 9h. 26th to 9h. 27th (4) °F.	Temperature Max. 9h.-17h. 27th (5) °F.	Rainfall† Night 17h.-9h. 26th-27th (6) mm.	Rainfall† Day 9h.-17h. 27th (7) mm.	Sunshine Sunrise to 17h. 27th (8) hr.	Sunshine Sunrise to Sunset 26th (9) hr.
Berwick-on-Tweed	b	bc	41	63	-	-	11.0	6.2
Douglas (I. o. M.)	bz	b	40	60	-	-	10.2	8.5
Llandudno	b	b	39	57	-	-	10.3	6.5
Colwyn Bay	b	b	37	55	-	-	10.2	6.6
Rhyl	b	b	40	59	-	-	9.9	8.2
Wallasey	bzbcz	bczb	39	51	-	-	9.4	9.6
Southport	b	b	*36	56	-	-	9.7	9.2
Blackpool	cbc	bbc	35	56	-	-	9.6	7.5
Ilkley	bbc	bbc	36	67	-	-	8.8	7.4
Cleethorpes	b	b	37	60	-	-	10.5	9.1
Skegness	bcb	b	38	~~[illegible]~~ 53	-	-	9.4	8.7
Aberystwyth	bbc	b	38	53	-	-	10.1	9.8
Bath	mb	b	33	67	-	-	9.0	9.1
Cheltenham‡	bm	by	36	67	-	-	8.8	7.9
Leamington Spa	b	b	34	67	-	-	8.7	8.0
Lowestoft	b	b	37	53	-	-	10.7	8.8
Harwich & Dovercourt	bf	bz	35	57	Trace	-	9.0	7.9
Maldon	bf	b	30	62	-	-	8.2	4.8
Southend	bf	b	38	56	0.2	-	6.3	5.5

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	wbz	bz	37	59	-	-	9.0 (~~[illegible]~~)	4.0
Penzance	ofb	bz	39	54	-	-	5.6	1.6
Paignton	wbm	b	37	55	-	-	8.9	8.3
Torquay	wbm	bm	41	56	-	-	9.2	9.1
Jersey	fcbc	b	39	56	-	-	6.0	0.0
Weymouth	bfb	bfF	37	55	-	-	5.2	7.8
Bournemouth	b	bbco	34	58	-	-	6.7	4.7
Ventnor	ocf	cf	36	45	-	-	2.9	4.6
Portsmouth (S'thsea)	ofbc	bm	36	54	-	-	2.4	4.7
Bognor	ffc	cmm	37	43	-	-	0.0	4.8
Littlehampton	cfc	cf	35	44	0.2	-	0.1	5.6
Worthing	cfm	cmf	38	47	-	-	0.5	4.5
Brighton	fcbc	cobcb	36	41	Trace	-	0.7	3.7
Eastbourne‡	ffm	mbcb	35	45	Trace	-	2.0	3.3
Hastings‡	offc	cbcb	36	53	0.2	-	6.2	1.5
Folkestone	ofcf	cfbcbz	32	49	Trace	-	4.4	0.1
Dover	fcbc	fcm,b	36	45	Trace	-	3.5	0.0
Tunbridge Wells	b	b	35	47	-	-	10.3	1.7
Ramsgate	cbvf	bcfm	34	48	Trace	-	6.9	1.9
Margate	Fbz	bz	36	56	-	-	6.6	3.2
Deal	fbc	b	35	51	-	-	4.8	1.7

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* Information not usually received. ₱ The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station † For code see page 1. †‡ See footnote page 1.

‡ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ✱ 12h. 9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 245 28 Friday 29th March 1929.

Observations at 18h. G.M.T. 28th

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1029.2	+2	SW	3	00/0	43	97	7	1500	Ns	10	-	10	•
Stornoway	1030.1	+1	SW	3	c-	52	75	7	2500	Ns.	6	A.Cu.	8	•
Wick	1032.5	+1	WSW	2	bc	54	85	8	2500	St.Cu.	5	Ci.St.	7	•
Tiree	1035.7	0	SSW	2	b-	53	85	8	-	-	0	-	0	0
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1034.2	0	SSE	3	b	57	85	7	-	-	0	A.Cu.	1	0
Malin Head	1036.2	+2	NW	2	b	50	92	8	-	-	0	Ci.Cu.	1	•
Renfrew	1035.4	0	NW	3	b	52	55	7	-	-	0	-	0	0
Edinburgh (Inchkeith)	1034.1	0	WSW	2	bc	58	65	7	800	St.	3	-	3	•
Leuchars	1033.9	-1	W	3	bc	63	45	8	-	-	0	Ci	3	0
Eskdalemuir	1034.8	0	W	2	b	63	35	7	-	-	0	Ci	2	1
Tynemouth	1034.4	-1	WNW	1	bc	68	45	7	1500	St.	2	Ci	3	•
Blacksod Point	1036.1	+1	S	4	b	53	65	7	•	-	0	-	0	•
Donaghadee	1035.4	+1	SE	1	b	53	75	7	-	-	0	-	0	•
Birr Castle	1036.0	•	N	1	c	53	75	6	-	-	0	Ci.Cu.	9	•
Holyhead	1035.6	-1	NE	1	b	54	65	6	-	-	0	Ci	1	1
Liverpool (Bidston)	1035.6	0	N	3	b	56	45	7	-	-	0	-	0	•
Chester (Sealand)	1035.2	0	NW	3	b/f	56	65	5	-	-	0	-	0	0
Harrogate	1034.8	0	NNE	3	b	67	35	7	-	-	0	-	0	•
Spurn Head	1035.2	0	E	2	bc	54	65	5	1500	St.	4	-	4	•
Birmingham (Edgbaston)	1034.4	0	NE	2	b	68	25	6	-	-	0	-	0	1
Cranwell	1034.4	-2	NEN	2	b	67	35	6	-	-	0	-	0	0
Gorleston	1034.8	0	NNE	1	b	55	75	5	-	-	0	Ci	1	•
Valentia (Cahirciveen)	1034.9	-2	NNW	2	b	55	75	8	-	-	0	-	0	0
Roches Point	1034.8	0	N	2	b	55	75	8	-	-	0	-	0	•
Pembroke (St. Ann's H.)	1034.1	0	NW	2	b	56	75	5	-	-	0	-	0	•
Ross-on-Wye	1033.5	-1	ENE	2	b	68	35	6	-	-	0	-	0	0
Leafield	1033.6	-1	NE	3	b	63	35	7	-	-	0	-	0	0
Winchester (Worthy Dn.)	1033.0	-3	NE	3	b	66	35	8	-	-	0	Ci.St.	1	0
S. Farnborough	1033.3	-3	ENE	3	b	67	35	6	-	-	0	Ci	1	0
London (Kew Obsy.)	1033.9	-2	NE	3	b	65	35	6	-	-	0	-	0	0
Croydon	1033.7	-3	NE	3	b/m	66	45	6	-	-	0	Ci	1	0
Shoeburyness	1034.9	0	ENE	4	b	54	75	8	-	-	0	-	0	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1034.8	0	ENE	4	b	51	65	6	-	-	0	Ci	1	0
Lympne	1033.2	-1	NEN	4	b-	59	45	7	-	-	0	-	0	0
Scilly (St. Mary's)	1033.7	+1	ENE	2	b	57	65	6	-	-	0	-	0	•
Falmouth (Pendennis)	1032.9	+2	-	0	b	60	55	6	-	-	0	-	0	•
Plymouth (Cattewater)	1033.3	-2	SSW	2	b	59	55	6	-	-	0	-	0	1
Portland Bill	1033.3	0	NE	1	b	57	75	6	-	-	0	Ci	1	•
Southampton (Calshot)	1032.4	-3	SSW	2	b	63	45	6	-	-	0	Ci	1	0
Dungeness	1033.6	+3	E	3	bc	51	75	7	-	-	0	Ci.Cu.	3	•
Guernsey (Fort George)	1033.0	0	NEE	4	b	51	75	7	-	-	0	-	0	•

Observations at 18h. G.M.T. 28th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form	Cloud. Total Amt. 0-10	State. 0-9
Lerwick	1029.3	0	SW	2	00/0	47	97	7	1500	Ns.	10	-	10	•
Stornoway	1030.0	+2	SW	3	c	51	75	7	2500	Ns.	6	A.Cu.	8	2
Wick	1030.0	0	NNW	2	bc	48	92	8	2500	St.	2	A.Cu.	6	0
Tiree	1034.7	-1	SSW	2	b-	51	85	8	-	-	0	-	0	1
Nairn	1032.3	•	W	1	bc	55	65	7	2500	St.	5	-	5	•
Aberdeen	1034.4	-1	SE	2	b	46	85	6	-	-	0	Ci	1	0
Malin Head	1036.4	0	W	1	b	51	85	8	-	-	0	-	0	0
Renfrew	1034.7	0	W	2	b	58	65	6	-	-	0	-	0	•
Edinburgh (Inchkeith)	1033.5	-2	SW	3	bc	59	55	7	1500	St.	3	-	3	0
Leuchars	1032.9	0	E	1	b	50	75	7	-	-	0	-	0	•
Eskdalemuir	1034.5	0	WSW	3	b	54	65	7	-	-	0	Ci	1	•
Tynemouth	1034.5	0	S	1	bc	50	75	7	1500	St.	3	-	3	1
Blacksod Point	1035.5	0	S	1	b	51	75	7	•	-	0	-	0	1
Donaghadee	1034.3	-1	S	1	b	56	65	7	-	-	0	-	0	1
Birr Castle	1035.9	•	N	1	c-	52	75	6	-	-	0	Ci.Cu.	8	•
Holyhead	1035.0	-1	NW	1	b	50	85	6	1500	St.	1	-	1	0
Liverpool (Bidston)	1034.9	-1	NW	3	b	51	65	7	-	-	0	Ci.St.	2	•
Chester (Sealand)	1034.6	0	NNW	3	b	51	65	6	-	-	0	Ci.St.	2	•
Harrogate	1033.8	-1	SE	4	b	66	35	7	2500	St.	1	-	1	•
Spurn Head	1034.7	0	SEE	2	bc	46	85	6	2500	St.Cu.	4	-	4	0
Birmingham (Edgbaston)	1033.7	0	NNW	2	b-	63	55	5	-	-	0	-	0	•
Cranwell	1034.3	+1	ESE	2	b	56	65	6	-	-	0	-	0	•
Gorleston	1034.0	-1	-	0	b	49	75	6	-	-	0	Ci	2	0
Valentia (Cahirciveen)	1034.6	0	-	0	b	53	85	7	-	-	0	-	0	0
Roches Point	1034.2	0	SE	1	b	57	65	8	1500	St.	2	-	2	0
Pembroke (St. Ann's H.)	1033.6	-1	NE	2	b	59	65	6	-	-	0	-	0	1
Ross-on-Wye	1033.8	-1	E	2	b	62	45	6	-	-	0	-	0	•
Leafield	1033.4	0	ENE	2	b	61	45	8	-	-	0	-	0	•
Winchester (Worthy Dn.)	1032.5	0	ENN	1	b	64	35	6	-	-	0	-	0	•
S. Farnborough	1033.0	+1	SE	1	b	62	45	6	-	-	0	-	0	•
London (Kew Obsy.)	1033.9	+1	E	3	b	60	45	5	-	-	0	-	0	•
Croydon	1033.6	+1	ESE	3	b	59	55	6	-	-	0	-	0	•
Shoeburyness	1034.2	-1	NE	2	b	48	85	8	-	-	0	-	0	•
Clacton-on-Sea	1034.0	0	ENE	3	b	48	75	7	-	-	0	A.Cu.	2	2
Felixstowe	1034.2	-1	-	0	b	47	75	6	-	-	0	-	0	0
Lympne	1033.0	0	NEN	4	b	52	65	8	-	-	0	-	0	•
Scilly (St. Mary's)	1032.7	0	ENE	2	b	51	75	6	-	-	0	-	0	1
Falmouth (Pendennis)	1032.9	0	-	0	b	58	65	6	-	-	0	-	0	0
Plymouth (Cattewater)	1032.9	0	SW	2	b	51	75	6	-	-	0	-	0	0
Portland Bill	1032.3	-1	-	0	b	52	65	6	-	-	0	-	0	0
Southampton (Calshot)	1032.4	+1	SEE	3	b	47	85	6	-	-	0	-	0	0
Dungeness	1032.1	-1	ENE	2	bc	47	85	7	-	-	0	Ci.St.	3	2
Guernsey (Fort George)	1032.8	0	NEE	2	b	51	65	7	-	-	0	-	0	0

London Observations

Day 7h.-18h., Kew & Croydon. 9h.-18h., Kensington. 9h.-21h., other stations.

	Heights above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. Day. °F.	Temperature. Min. Night. °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. %	Visibility at 9h.
		24 Hours ended 6h.								Yesterday.		To-day.	
Kew	18	bfyby	b2ay	bywbfx	67	35	24	-	-	10.5	*	*	4
Croydon	264	bm12y	b2ay	bymwfy	68	34	28	-	-	10.9	*	*	5
Greenwich (Royal Obsy.)	149	by	by	bxmfb	69	33	21	-	Tr	11.0	45	68	*
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	8.5	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	69	40	25	-	-	10.5	44	63	*
Regent's Pk. (Botanic Gdns.)	168	*	*	*	*	*	*	*	*	9.3	*	*	*
Camden Square	110	b	b	*	-	-	*	-	-	*	72	72	*
Kensington Palace	80	b	b	*	69	39	29	-	-	*	(At 18h.) 59	69	*
Hampstead Observatory	450	*	*	*	67	43	30	-	-	10.7	*	66	*

Atmospheric Pollution

Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 29th

South Kensington Max.	Time.	Min.	Time.	Kew Observatory Max.	Time.	Min.	Time.
2.0	19h.28	0.4	4h.28	1.1	9h.29	<0.1	14h.29

Pole Star Record at Greenwich Obsy.

Exposure from 28th 19 h. 30 m. to 29th 4 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	9.15	9.15	100
δ Ursae Minoris	9.15	9.15	100

Code for State of Ground.

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 17h. and 18h. reports (Hour frost to 1h. and 7h. reports).
7 = Snow (thin layer often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

Table showing the Greenwich Times of Sunrise, Noon, and Sunset.

28th & 30th March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.38 / 6.35	11.58 / 11.58	18.20 / 18.21
Greenwich	5.45 / 6.43	12.5 / 12.5	18.26 / 18.27
Wick	5.52 / 5.49	12.17 / 12.17	18.44 / 18.46
Valentia	6.26 / 6.24	12.46 / 12.46	19.7 / 19.9

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening skys
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

Symbols.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.

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; − = has decreased; + = has increased.

Sea Disturbance.

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

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

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

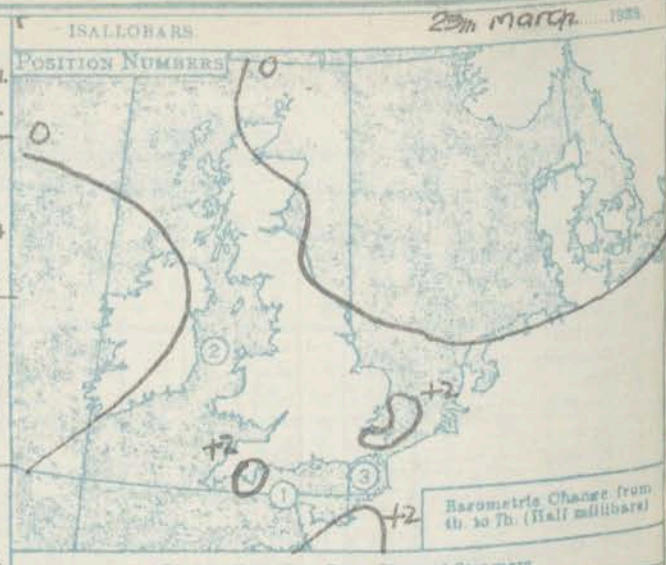
‡ Telegraphic Code for Surface Visibility.

	Objects not visible at 55 yards.
0. Dense fog.	220 "
1. Thick fog.	550 "
2. Fog.	1100 "
3. Moderate fog.	1¼ miles.
4. Mist or haze.	2½ "
5. Poor visibility.	4 "
6. Moderate.	10 "
7. Good.	20 "
8. Very good.	50 "
9. Excellent visibility, beyond	50 "

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	Weather. 7h.-13h.	Weather. 13h.-18h.	Weather. 18h. to 1h.	Weather. 1h.-7h.	Temperature. Max. Day, 7h.-18h.	Temperature. Min. Night, 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day, 7h.-18h. mm.	Rainfall.† Day, 7h.-18h. began.	Rainfall.† Night, 18h.-7h. mm.	Rainfall.† Night, 18h.-7h. began.	Sun 28th. Hours.
Lerwick	cocd₀	odd₀	c	coid₀	49	46	•	Tr	11.00	Tr	5.30	0.0
Stornoway	o	c	c	bcb	55	43	•	-	-	-	-	1.1
Wick	b.bc	b.bc	b.bc	b.bc	54	41	•	-	-	-	-	•
Tiree	cbcb	bbcb	ifb	imbcc	55	38	32	-	-	-	-	10.4
Nairn	bbc	bc	bcw	bc	61	41	•	-	-	-	-	11.1
Aberdeen	bzb	bz₀	bz₀w	bw	57	37	29	-	-	-	-	10.8
Malin Head	b	b	b	b	57	37	•	-	-	-	-	10.9
Renfrew	bz₀b	byz₀	bz₀m	bffw	65	33	24	-	-	Tr	-	10.8
Edinburgh (Inchkeith)	bcmmm₀	b.bc	bcm₀m	bcmm₀	61	42	39	-	-	-	-	10.9
Leuchars	bbc	bcbyb	b	bbw	67	40	32	-	-	-	-	11.4
Eskdalemuir	bxby	by	bbx	bx	66	29	28	-	-	-	-	10.9
Tynemouth	bc	bc	bcbff	b	69	45	32	-	-	-	-	•
Blacksod Point ...	b	b	b	b	54	40	•	-	•	-	•	•
Donaghadee	b	b	b	bm₀	58	40	•	-	-	-	-	•
Birr Castle	cfc	cb		cbcfe	63	35	31	-	-	-	-	8.1
Holyhead	bm₀	bz₀b	bwm₀	bm₀w	56	44	35	-	-	Tr	-	11.4
Liverpool (Bidston) ...	fbz₀y	byb	bcbz₀	m₀bbx	55	43	33	-	-	-	-	8.1
Chester (Sealand) ...	bffmm₀	bz₀y	bm₀m	bmfx	57	29	24	-	-	-	-	8.6
Harrogate	b	b	b	bw	69	41	34	-	-	-	-	11.1
Spurn Head	bcmz	bc	bcbw	bcwzm	55	38	•	-	-	Tr	-	10.5
Birmingham (Edgbaston)	mb	b		bm	70	43	31	-	-	-	-	9.1
Cranwell	by	by	bm₀w	bm₀w	69	35	31	-	-	-	-	10.1
Gorleston	bcbm₀	bm₀	bm₀w	bm₀wff	55	32	32	-	-	Tr	-	10.0
Valentia (Cahirciveen)	cbcb	b	b	bwb	58	40	36	-	-	Tr	-	7.9
Roches Point	cbcb	b	bw	bw	58	44	•	-	-	Tr	-	•
Pembroke (St. Ann's H.)	bm₀	bm₀	bm₀	bm₀	60	46	•	-	-	-	-	10.4
Ross-on-Wye	bmbyz₀	bxbyz	bzbmw	bfw	70	35	29	-	-	-	-	9.7
Leafield	by	by	b	b	68	38	30	-	-	-	-	10.5
Winchester (Worthy Dn.)	bfmz₀y	byz₀	byz₀	bm₀	70	36	27	-	-	-	-	10.5
S. Farnborough ...	bfz₀y	bz₀y	bm₀	bmx	70	29	21	-	-	-	-	9.9
London (Kew Obsy.) ...	bfxby	bz₀y	byw	bfx	67	35	24	-	-	-	-	10.5
Croydon	bmzz₀y	bz₀y	bym₀mw	bmwfx	68	34	28	-	-	-	-	10.5
Shoeburyness	bm₀b	b	b	bm₀	63	33	35	-	-	-	-	11.5
Clacton-on-Sea ...	bz	bz	bz	bzm	58	40	36	-	-	-	-	11.4
Felixstowe	bz₀	bz₀	bz₀w	bxm₀	54	35	27	-	-	-	-	11.2
Lympne	bbcz₀	by	byb	bbm₀f	59	37	33	-	-	-	-	11.8
Scilly (St. Mary's) ...	bz₀	bz₀	bm₀	bm₀b	57	46	•	-	-	-	-	11.1
Falmouth (Pendennis)	bz₀	bz₀	bz₀	bz₀bc	62	44	•	-	-	-	-	10.9
Plymouth (Cattewater)	bfzz₀y	bz₀y	bm₀	bw	62	43	32	-	-	-	-	10.1
Portland Bill	bz₀	bzz₀	bz₀	bz₀	66	46	•	-	-	-	-	•
Southampton (Calshot)	bmzbmz₀y	bz₀ybm₀	bmbwm₀	bm₀w	64	40	30	-	-	Tr	-	10.7
Dungeness	bbc	bc	bcbb	bbz₀	52	36	•	-	-	-	-	•
Guernsey	bm₀	b	b	b	51	45	•	-	-	-	-	11.7



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
1	10h 28th	St. Julien	NE	3	bc	50	47	U.S.
2	10h "	Scotia	NE	1	bc/m	48	45	

GENERAL INFERENCE.

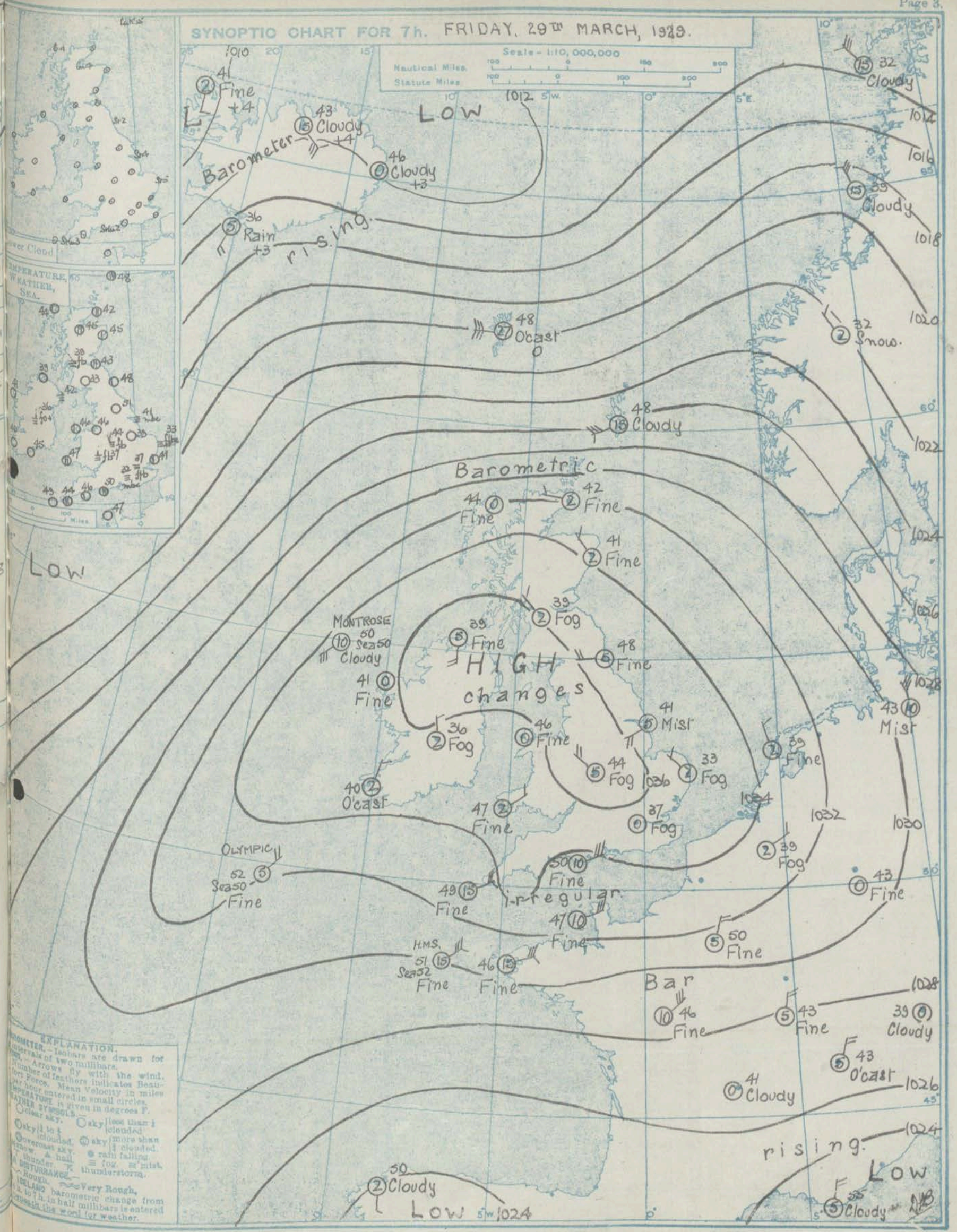
The large anticyclone covering the British Isles remains unchanged. Fine quiet weather will continue with high day temperatures, but night frosts. Local fog will occur at night and in the early morning.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Friday, 29th March, 1929.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light northerly or variable winds, fine, warm by day, especially inland, ground frost at night, some mist or local fog night and morning.	
5. S.W. England 6. South Wales 7. North Wales	Light or moderate easterly winds, fine, warm by day, especially inland, ground frost at night; some mist or local fog night and morning.	Continuing fine over the week-end at least.
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Light variable winds, fine, warm by day, ground frost at night; some mist or local fog night and morning.	
12. S.W. Scotland & Isle of Man 13 {A. W. Scotland B. N.W. Scotland	Light variable or southwest winds, fine, warm by day, ground frost at night; some mist or local fog night and morning.	
14. Mid-Scotland	As 7 - 11.	
15. N.E. Scotland 16. Orkneys and Shetlands	Light or moderate westerly winds, fine or fair; rather warm.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 7 - 11.	

S.C.R.

* For code see page 1

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


SYNOPTIC CHART FOR 7h. FRIDAY, 29th MARCH, 1929.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles
LOW
Barometer rising.
Barometric
HIGH changes irregular.
Bar rising.
LOW
LOW
MONTROSE
OLYMPIC
H.M.S.
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030
1032
1036
1024
1026
1028
1024
Fine +4
Cloudy +4
Cloudy +3
Rain +3
O'cast
Cloudy
Snow.
Cloudy
Cloudy
Fine
Fine
Fog
Fine
Cloudy
Fine
Mist
Fog
Fog
Fine
Fog
Fine
Fog
Fog
Fine
O'cast
Fine
Fine
Fine
Fine
Fine
Fine
Fine
Fine
Cloudy
O'cast
Cloudy
Cloudy
Cloudy

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION...Friday 29th March...1929. No. 88....

Stations.	Height above M.S.L. in feet.	1h. Barom. at M.S.L. mb.	1h. Change in 3 Hours	1h. Wind Direc.	1h. Wind Force 0-12	1h. Weather	1h. Temp. °F.	1h. Humidity %	1h. Visibility 0-9	1h. Low Cloud Height Feet	1h. Low Cloud Form	1h. Low Cloud Amt. 0-10	1h. Upper Form	1h. Total Amt. 0-10	7h. Barom. at M.S.L. mb.	7h. Change in 3 Hours	7h. Wind Direc.	7h. Wind Force 0-12	7h. Weather	7h. Temp. °F.	7h. Humidity %	7h. Visibility 0-9	7h. Low Cloud Height Feet	7h. Low Cloud Form	7h. Low Cloud Amt. 0-10	7h. Upper Form	7h. Total Amt. 0-10	Sea 0-9
Observations at 1h. G.M.T. 29th / 7h. G.M.T. 29th																												
Lerwick	54	1028.6	-1	SW	3	c	47	92	7	1500	Cu	5	A St	10	1026.0	-1	W'S	4	cjp	48	92	7	1500	CuNb	5	A.St	10	•
Stornoway	30	1034.2	+1	SW	2	bc	•	•	7	•	•	•	•	7	1032.9	+1	-	0	b	44	92	8	4000	Cu	1	-	1	0
Wick	81	1033.1	0	WNW	2	bc	43	97	8	2500	StCu	4	-	4	1032.3	-1	WNW	1	bc	42	97	8	-	-	0	Ci St	3	0
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1035.6	+1	SW	2	c	45	97	6	800	Nb	8	-	8	1
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.0	•	WSW	3	bc	45	85	8	4000	Cu	4	-	4	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	1033.4	0	NW	1	b	41	85	7	-	-	0	Ci	1	0
Malin Head	61	1037.2	+1	S	2	b	43	85	7	-	-	0	-	0	1037.1	+1	S	2	b	39	92	7	-	-	0	-	0	0
Renfrew	88	•	•	•	•	•	•	•	•	•	•	•	•	•	1035.8	0	WNW	1	fb-	39	97	3	-	-	0	-	0	•
Edinburgh (Inchkeith)	190	1034.7	+1	WSW	2	mbc	47	85	4	450	St	3	-	3	1034.1	+1	W	3	bc	43	92	5	450	St	3	-	3	0
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.6	+2	W	2	b	44	85	7	-	-	0	Ci	1	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1036.6	0	-	0	b	33	97	7	-	-	0	-	0	•
Tynemouth	87	1035.3	0	W	2	b/f	48	75	7	-	-	0	-	0	1034.8	-1	W	2	b	48	75	6	800	St	2	-	2	1
Blacksod Point	18	1036.9	+1	-	0	b	43	92	7	•	-	0	-	0	1035.8	0	-	0	b	41	97	8	•	-	0	-	0	2
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1035.9	+1	WNW	1	mb	42	92	4	-	-	0	-	0	1
Birr Castle	178	•	•	•	•	•	•	•	•	•	•	•	•	•	1035.7	•	N	1	iFc	36	97	1	-	-	0	Ci Cu	10	•
Holyhead	20	1035.7	+1	NW	1	b	46	92	6	-	-	0	-	0	1035.8	0	-	0	b	46	85	6	-	-	0	Ci	1	0
Liverpool (Bidston)	180	•	•	•	•	•	•	•	•	•	•	•	•	•	1036.2	0	N	2	b	46	75	7	-	-	0	-	0	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1035.8	+1	SSE	2	ffb	30	92	3	-	-	0	-	0	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	1035.6	0	SW	2	b	51	65	7	-	-	0	-	0	•
Spurn Head	39	1035.2	0	N	1	b	42	92	6	-	-	0	-	0	1034.9	0	WSW	2	mbc	41	97	4	800	St	4	-	4	0
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•	1036.2	0	NW	2	ffb	44	85	3	-	-	0	-	0	•
Cranwell	236	1035.5	+1	-	0	b	38	92	5	-	-	0	-	0	1035.7	0	W'S	2	b	39	92	6	-	-	0	-	0	•
Gorleston	14	1035.3	0	NW'N	1	b	41	85	6	-	-	0	-	0	1035.1	0	NW	1	FFbc	33	97	1	220	St	5	-	5	0
Valentia (Cahirciveen) P	30	1035.4	0	E	2	b	49	97	7	-	-	0	-	0	1034.6	0	NNE	1	b	40	97	8	-	-	0	-	0	1
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.8	+1	N	2	b	45	92	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	160	1033.9	0	NE	1	b	52	85	6	-	-	0	-	0	1034.3	+1	NE	1	bc+	47	85	6	-	-	0	A St	5	1
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1035.9	0	N	1	ffb	37	92	3	-	-	0	-	0	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1035.4	0	N'W	2	b	42	75	6	-	-	0	-	0	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.9	0	-	0	b	39	85	5	-	-	0	-	0	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	1035.0	+1	-	0	mmb	32	97	4	-	-	0	-	0	•
London (Kew Obsy.)	18	•	•	•	•	•	43	•	•	•	•	•	•	•	1035.9	+1	-	0	ffb	37	97	2	-	-	0	-	0	•
Croydon	244	1035.0	+1	-	0	mmb	40	85	4	-	-	0	-	0	1035.4	+1	-	0	mmb	37	97	4	-	-	0	-	0	
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1035.2	+2	NNE	2	b	41	97	5	-	-	0	-	0	•
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1035.0	+2	NE	3	b	41	92	6	-	-	0	Ci	2	1
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1035.3	0	N	1	b	41	92	6	-	-	0	Ci	1	0
Lympne	350	1033.7	0	NNE	4	b	42	85	8	-	-	0	-	0	1034.1	+1	NNE	3	mmb	38	97	4	-	-	0	-	0	•
Scilly (St. Mary's)	163	1032.9	0	NE	3	b	47	92	6	-	-	0	-	0	1032.7	0	ENE	4	b	49	75	7	-	-	0	-	0	1
Falmouth (Pendennis)	200	1033.3	0	N	2	b	47	75	6	-	-	0	-	0	1033.6	+1	NNE	2	bc	44	85	7	4000	StCu	3	-	3	0
Plymouth (Cattewater)	83	•	•	•	•	•	•	•	•	•	•	•	•	•	1034.1	+2	N	1	b	46	85	7	-	-	0	Ci	1	0
Portland Bill	32	1032.9	0	NE	3	b	50	65	6	-	-	0	-	0	1033.4	+1	E'N	3	bc+	50	55	6	2500	StCu	2	Ci	4	0
Southampton (Calshot)	10	1034.3	0	N'W	2	b	44	85	6	-	-	0	-	0	1034.6	+1	NW'N	2	b	42	85	5	-	-	0	-	0	0
Dungeness	20	1033.6	0	NE	1	b-	44	85	8	-	-	0	-	0	1034.0	+1	N	2	b	43	85	6	-	-	0	-	0	2
Guernsey (Fort George) P	295	1032.0	0	E	2	b-	46	85	7	-	-	0	-	0	1032.7	+1	ENE	3	b	47	85	7	-	-	0	-	0	0

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

Stations. (1)	Weather Forenoon. (2)	Weather Afternoon. (3)	Temperature Min. 9h. 27th to 9h. 28th (4) °F.	Temperature Max. 9h.-17h. 28th (5) °F.	Rainfall Night 17h.-9h. 27th-28th (6) mm.	Rainfall Day 9h.-17h. 28th (7) mm.	Sunshine Sunrise to 17h. 28th (8) hr.	Sunshine Sunrise to Sunset. 27th (9) hr.
Berwick-on-Tweed	b	b	41	60	-	-	10.5	11.6
Douglas (I. o. M.)	b	b	40	60	-	-	10.7	10.7
Llandudno	b	b	40	58	-	-	10.3	10.6
Colwyn Bay	b	b	38	58	-	-	10.2	10.6
Rhyl	b	b	37	55	-	-	9.6	10.2
Wallasey	mb	b	40	54	-	-	8.0	9.6
Southport	mb	b	#33	55	-	-	9.7	10.5
Blackpool	bx	b	35	57	-	-	9.8	9.8
Ilkley	b	b	38	75	-	-	10.2	8.8
Cleethorpes	b	b	34	56	-	-	10.5	11.3
Skegness	b	b	39	56	-	-	9.4	10.6
Aberystwyth	zbbc	b	39	54	-	-	9.5	10.6
Bath	b	b	34	70	-	-	10.9	9.9
Cheltenham‡	bm₀b	by	36	72	-	-	10.5	9.1
Leamington Spa	b	b	33	70	-	-	9.8	8.7
Lowestoft	b	b	37	51	-	-	11.0	11.4
Harwich & Dovercourt	bz	bz	37	56	-	-	10.6	9.0
Maldon	b	b	34	63	-	-	10.2	8.5
Southend	b	b	41	62	-	-	8.0	7.0

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	wbzb	bz	35	69	-	-	9.8	10.0
Penzance	b	bz	41	64	-	-	9.6	5.8
Paignton	wbm	by	38	61	-	-	9.5	9.1
Torquay	wbm	b	40	64	-	-	10.1	9.4
Jersey	b	b	39	61	-	-	10.5	7.0
Weymouth	b	b	36	63	-	-	9.8	5.2
Bournemouth	b	b	36	68	-	-	10.5	6.7
Ventnor	bz	bz	39	63	-	-	10.6	3.5
Portsmouth (S'thsea)	b	b	37	65	-	-	9.8	2.4
Bognor	b	b	40	63	-	-	10.7	0.0
Littlehampton	b	b	37	63	-	-	10.8	0.1
Worthing	b	b	38	65	-	-	10.6	0.5
Brighton	b	b	37	66	-	-	10.6	0.7
Eastbourne‡	b	b	41	57	-	-	11.0	.24
Hastings‡	b	b	42	61	Trace	-	10.9	6.7
Folkestone	by	b	38	60	-	-	10.4	4.7
Dover	m₀b	b	38	56	-	-	10.6	4.1
Tunbridge Wells	b	b	36	65	-	-	10.9	10.7
Ramsgate	bm	bm	39	51	-	-	10.7	7.1
Margate	bcb	b	38	48	-	-	10.4	6.9
Deal	b	b	35	51	-	-	9.9	5.2

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

• Information not usually received. P The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station ‡ For code see page 1. †‡ See footnote page 1.

‡ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. # 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24,600 Saturday, 30th March 1929. Page 1.

Observations at 13h. G.M.T. 29th

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1026.0	0	W'S	4	c	52	92	8	1500	Cu	5	a.Cu	9	•
Stornoway	1033.8	0	WSW	3	bc	56	65	8	4000	Cu	3	-	3	•
Wick	1031.7	0	WNW	3	bc-	60	75	8	2500	Cu	3	-	3	•
Tiree	1036.3	+1	W	3	c	51	92	7	1500	StCu	8	-	8	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1032.9	-1	SSE	3	b	61	55	8	2500	Cu	1	-	1	0
Malin Head	1036.8	0	NW	1	b	50	85	8	-	-	0	-	0	•
Renfrew	1035.2	-1	WNW	3	b	60	55	7	-	-	0	-	0	0
Edinburgh (Inchkeith)	1033.3	-1	SW	3	bc	57	97	7	800	St	4	-	4	•
Leuchars	1032.9	-3	NW	3	b	63	45	8	-	-	0	Ci	1	0
Eskdalemuir	1033.7	-1	WNW	4	b	64	35	8	-	-	0	-	0	1
Tynemouth	1034.6	0	-	0	bc	53	75	7	800	St	3	-	3	•
Blacksod Point	1036.6	0	SE	1	b	56	75	7	•	-	0	-	0	•
Donaghadee	1035.4	-2	NE	1	b	51	75	7	-	-	0	-	0	•
Birr Castle	[illegible]	•	S	1	[illegible]	70	45	7	-	-	0	C.Cu.	10	•
Holyhead	1035.7	-1	NWW	1	b	53	85	6	-	-	0	-	0	0
Liverpool (Bidston)	1035.5	-1	NW'N	2	b	54	65	6	-	-	0	-	0	•
Chester (Sealand)	1034.9	-1	NWW	4	b	60	55	6	-	-	0	-	0	0
Harrogate	1033.2	-2	W	3	b	70	25	8	-	-	0	-	0	•
Spurn Head	1034.2	0	ESE	1	bc	60	85	5	1500	St	4	-	4	•
Birmingham (Edgbaston)	1033.6	-1	NNE	2	b	68	35	5	-	-	0	-	0	1
Cranwell	1034.0	-2	N	2	b	64	45	6	-	-	0	-	0	0
Gorleston	1033.6	-2	-	0	b	50	75	6	-	-	0	Ci	1	•
Valentia (Cahirciveen)	1034.0	-1	SSE	1	b	67	55	7	-	-	0	-	0	0
Roches Point	1034.8	0	SE	3	b	58	65	7	-	-	0	-	0	•
Pembroke (St. Ann's H.)	1034.5	-1	-	0	b-	61	65	5	-	-	0	-	0	•
Ross-on-Wye	1033.4	-2	W'N	2	b	69	45	6	-	-	0	-	0	0
Leafield	1033.7	-1	NNE	2	b	66	45	7	-	-	0	-	0	0
Winchester (Worthy Dn.)	1033.2	-3	N'E	3	b	67	35	7	-	-	0	-	0	0
S. Farnborough	1033.3	-3	ENE	3	b	68	35	6	-	-	0	-	0	0
London (Kew Obsy.)	1033.8	-2	ENE	2	b	63	45	5	-	-	0	-	0	0
Croydon	1033.6	-2	NE'E	2	b+	65	45	6	-	-	0	Ci	2	0
Shoeburyness	1034.9	0	E'S	3	bc	53	85	7	-	-	0	Ci	6	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1035.6	-1	ESE	1	bc+	48	75	7	-	-	0	Ci	4	0
Lympne	1033.3	-1	NNE	3	c+	58	55	7	-	-	0	Ci	8	0
Scilly (St. Mary's)	1033.1	6	E'N	4	b	55	65	7	-	-	0	Ci	1	•
Falmouth (Pendennis)	1033.7	0	-	0	b-	58	45	8	4000	StCu	2	-	2	•
Plymouth (Cattewater)	1033.5	-2	ESE	3	b	64	45	7	-	-	0	Ci	1	0
Portland Bill	1033.4	0	-	0	b	56	55	6	-	-	0	-	0	•
Southampton (Calshot)	1033.6	-3	SSE	2	b	59	55	6	-	-	0	-	0	0
Dungeness	1033.8	+2	NE	3	c+	49	65	6	-	-	0	Ci	8	•
Guernsey (Fort George)	1032.3	-2	NE	4	b+	50	75	7	-	-	0	a.Cu	1	•

Observations at 18h. G.M.T. 29th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1025.4	-1	W'S	4	c	49	92	7	1500	Cu	5	a.Cu	10	•
Stornoway	1032.8	-1	WSW	4	c	50	85	8	4000	StCu	9	-	9	4
Wick	1030.6	-1	W	2	bc	53	85	8	4000	Cu	1	a.St	5	0
Tiree	1035.6	-1	WNW	3	c	50	92	7	1500	StCu	10	-	10	1
Nairn	1032.0	•	W	4	bc-	51	65	8	4000	Cu	3	-	3	•
Aberdeen	1031.9	-1	NNE	1	b	56	65	7	-	-	0	-	0	0
Malin Head	1035.9	-1	NE	3	ffo	44	97	2	220	St	10	-	10	0
Renfrew	1033.9	-1	WNW	3	b	55	63	8	-	-	0	-	0	•
Edinburgh (Inchkeith)	1031.4	-2	WSW	3	b	58	97	7	800	St	2	-	2	0
Leuchars	1031.3	-2	W	1	b	55	68	7	1500	St	1	-	1	•
Eskdalemuir	1033.2	-1	WNW	3	b	55	65	7	-	-	0	-	0	•
Tynemouth	1033.7	-1	-	0	bc	47	75	6	800	St	4	-	4	1
Blacksod Point	1033.3	-2	NE	1	b	55	85	7	•	-	0	-	0	2
Donaghadee	1034.9	-1	NNE	1	b	48	75	7	-	-	0	-	0	1
Birr Castle	1032.5	•	S	1	c	68	65	7	-	-	0	C.Cu.	10	•
Holyhead	1034.3	-1	N	1	b	52	85	6	-	-	0	-	0	0
Liverpool (Bidston)	1034.0	-2	WNW	2	b	51	75	5	-	-	0	-	0	•
Chester (Sealand)	1034.0	-1	WNW	3	b	51	75	6	-	-	0	-	0	•
Harrogate	1032.3	-1	NNW	2	b	63	45	8	-	-	0	CiSt	1	•
Spurn Head	1032.7	-1	E'S	2	bc	48	85	5	1500	St	4	-	4	0
Birmingham (Edgbaston)	1032.4	-1	NNW	3	b	63	45	6	-	-	0	-	0	•
Cranwell	1032.7	0	SE	3	b	54	65	6	-	-	0	-	0	•
Gorleston	1032.6	-1	-	0	b	46	85	6	-	-	0	Ci	2	0
Valentia (Cahirciveen)	1032.8	-1	S	3	b	61	45	7	-	-	0	-	0	1
Roches Point	1033.7	-1	SE	1	b	54	75	7	1500	St	2	-	2	0
Pembroke (St. Ann's H.)	1032.5	-2	N	1	bc+	57	65	5	-	-	0	CiSt	3	1
Ross-on-Wye	1031.6	-1	N	2	b	66	35	7	-	-	0	-	0	•
Leafield	1032.3	+1	SE'E	1	b	62	45	7	-	-	0	-	0	•
Winchester (Worthy Dn.)	1031.5	[illegible]	NNE	1	b	65	35	6	-	-	0	Ci	2	•
S. Farnborough	1031.7	0	ENE	1	b	63	45	6	-	-	0	Ci	2	•
London (Kew Obsy.)	1032.0	-2	-	0	bc+	64	45	5	5700	StCu	3	-	3	•
Croydon	1031.8	-1	ESE	2	bc	63	55	6	-	-	0	Ci	3	•
Shoeburyness	1032.7	-2	E	2	bc	46	92	7	-	-	0	CiSt	6	•
Clacton-on-Sea	1032.5	-2	ESE	2	bc	45	85	7	-	-	0	CiSt	6	0
Felixstowe	1032.9	+1	-	0	bc	45	85	7	-	-	0	Ci	6	0
Lympne	1032.3	0	NNE	3	c	53	55	7	-	-	0	Ci	8	•
Scilly (St. Mary's)	1031.4	-1	NE'E	3	b	52	75	6	-	-	0	-	0	1
Falmouth (Pendennis)	1031.5	-3	-	0	b	54	65	8	4000	StCu	2	-	2	0
Plymouth (Cattewater)	1031.6	-2	SW	1	b	54	55	7	-	-	0	-	0	0
Portland Bill	1031.6	-2	-	0	b	52	55	6	-	-	0	Ci	2	
Southampton (Calshot)	1032.1	-1	SE'E	3	b	47	85	7	-	-	0	-	0	0
Dungeness	1032.3	-2	ENE	3	c	46	85	8	-	-	0	CiSt	3	2
Guernsey (Fort George)	1031.0	-3	NE	4	bc+	52	63	8	-	-	0	CiSt	3	3

LONDON OBSERVATIONS. Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night (24 Hours ended 9h)	Temperature Max. Day °F.	Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 13h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h
Kew	18	bfzby	bczy	bzwfx	68	36	27	-	-	10.4	•	•	3
Croydon	244	bzmzy	bbczy	bzbzm	67	38	30	-	•	10.3	•	•	[illegible]
Greenwich (Royal Obsy.)	149	by	bbcby	bzfm	69	37	23	-	Tr.	10.8	43	73	[illegible]
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	9.1	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	70	40	28	-	-	10.5	33	78	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	9.3	•	•	•
Camden Square	110	b	b	•	73	40	-	•	-	•	•	77	•
Kensington Palace	80	bmz	b	•	70	41	31	-	-	•	(At 18h) 56	73	•
Hampstead Observatory	450	•	•	•	67	42	28	-	-	10.5	•	69	[illegible]

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 7h. G.M.T. 30th

South Kensington			
Max.	Time.	Min.	Time.
2.6	8h. 29th	0.4	16h. 29th

Kew Observatory			
Max.	Time.	Min.	Time.
0.8	24h. 29th	0.1	17h. 29th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 29th 19h 30m. to 30th 4h 45m.

Stars	Exposure. h. m.	Record. h. m.	%
Polaris	9.15	9.15	100
δ Ursae Minoris	9.15	9.15	100

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 13h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET.

30th - 31st March, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.35	11.58	18.21
	5.33	11.57	18.23
Greenwich	5.43	12.5	18.27
	5.41	12.4	18.29
Wick	5.49	12.17	18.46
	5.47	12.17	18.48
Valentia	6.24	12.46	19.9
	6.21	12.45	19.10

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—2000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♆ = lunar halo.
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; − = has decreased; + = has increased.

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

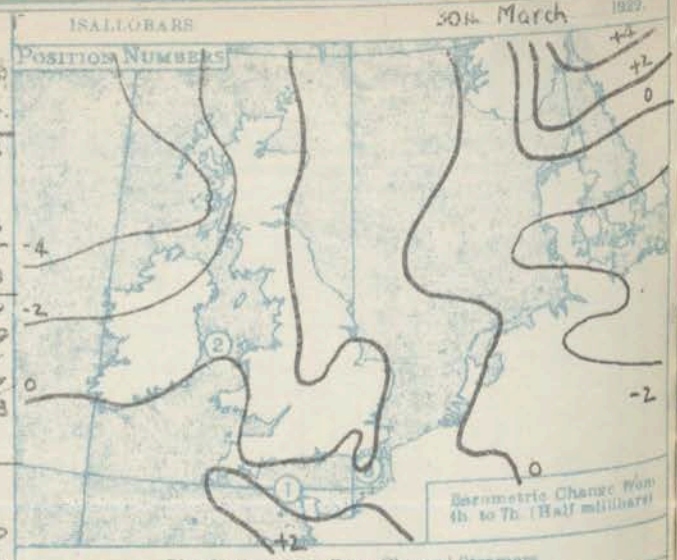
§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m	

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 29th Yesterday	18h.-18h. 29th	18h. 29th to 1h. 30th	1h.-7h. 30th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on Grass	RAINFALL.† Day. 7h.-18h. mm	began.	Night. 18h.-7h. mm.	began.	Sunshine Hours.
Lerwick	c o i d o c	c b c c	c	c	53	46	•	Tr.	<8·00	-	-	1·2
Stornoway	b b c	c	c	c	56	45	•	-	-	-	-	8·0
Wick	b b c	b b c	b-b c	b-b c	60	45	•	-	-	-	-	•
Tiree	c b c c	b c c o	o c	o c b c b	52	35	25	-	-	-	-	2·3
Nairn	b c b y	q b b c c	b c x	b c	57	38	•	-	-	-	-	11·5
Aberdeen	b z b y	b y b	b	b w	62	42	32	-	-	-	-	10·8
Malin Head	b z o	b z o f f o	o f f o	b	53	42	•	-	-	-	-	6·9
Renfrew	b f b y	b y	b	b c o f	62	31	22	-	-	Tr.	-	10·9
Edinburgh (Inchkeith)	b c m o m o	b c b	b c m o m o	b m o m o w	61	40	35	-	-	Tr.	-	11·1
Lenchars	b w b b y	b y b	b	b w	66	37	29	-	-	-	-	11·7
Eskdalemuir	b z b b y	b y	b	b x	65	27	23	-	-	-	-	11·3
Tynemouth	b b c	b c	b c f f	b c	56	42	32	-	-	-	-	•
Blacksod Point ...	b	b	b	b	60	44	•	-	-	-	-	•
Donaghadee	b m m b	b	b	b m o	53	38	•	-	-	-	-	•
Birr Castle	f e c y	c	c b x c		71	38	29	-	-	-	-	10·0
Holyhead	b m o	b m o	b m o w	b m o w	53	43	36	-	-	0·1	-	11·2
Liverpool (Bidston)† ...	b z o b b	b b z o	z o b w	x b m o	54	43	36	-	-	-	-	11·0
Chester (Sealand) ...	b f z o y	b y z o	b m o	b m o f	63	29	25	-	-	-	-	10·4
Harrogate	b	b	b	b w	70	42	32	-	-	-	-	11·0
Spurn Head	m b c	b c	b c w b	b c w z m o	61	39	•	-	-	Tr.	<0·00	10·8
Birmingham (Edgbaston)	m b b	b	b	b	70	42	29	-	-	-	-	8·8
Cranwell	b b m o	b b m o b	b-b c	b m o	68	34	30	-	-	-	-	10·2
Gorleston	f f b m o	b m o	b m o	b m f f w x	50	32	30	-	-	-	-	9·5
Valentia (Cahirciveen)	b y	b y	b	b w b	62	39	35	Tr.	-	Tr.	-	11·2
Roches Point	b	b z o	b w	b w	59	41	•	-	-	Tr.	-	•
Pembroke (St. Ann's H.)	b m o	b m o	b z	b b c m o	64	40	•	-	-	-	-	10·1
Ross-on-Wye	b m b z o y	b y	b w	b m w	71	36	26	-	-	-	-	10·4
Leafield	b y	b y	b	b w	69	41	34	-	-	-	-	10·3
Winchester (Worthy Dn.)	b m o b z o y	b y z o	b y z o m o	b m o x	71	34	28	-	-	-	-	10·6
S. Farnborough ...	b m z o	b z o y	b y z o b m o	b m x	71	32	24	-	-	Tr.	-	10·5
London (Kew Obsy.) ...	b f x b y	b c z y	b m o w	b f x b f w	68	36	27	-	-	-	-	10·4
Croydon	b m m z y	b b c z o y	b c b z o	b m o w	67	38	30	-	-	-	-	10·3
Shoeburyness	b b c	b c	b c x	b m	56	28	23	-	-	Tr.	-	11·1
Clacton-on-Sea ...	b c z	b c z	b z	b z m	57	39	33	-	-	-	-	11·2
Felixstowe	b b c	b c	b c x	c f x	57	33	22	-	-	-	-	11·3
Lympne	b m o b c y	c y	c y b c	b c b x	60	39	29	-	-	-	-	11·3
Scilly (St. Mary's) ...	b b c	b	b m o	b	57	45	•	-	-	-	-	11·8
Falmouth (Pendennis)	b c b	b	b b c z o	b c z o	59	42	•	-	-	-	-	11·6
Plymouth (Cattewater)	b y	b y	b y m o	b m w	66	41	35	-	-	-	-	11·1
Portland Bill	b z o	b z o	b z o	b c b m o	60	46	•	-	-	-	-	•
Southampton (Calshot)	b m o b y z o	b z o	b w m o	b m o m o w	60	37	29	-	-	Tr.	-	10·6
Dungeness	b b c c z o	c z o c	c b c b w	b c b z o z	52	35	•	-	-	-	-	•
Guernsey	b	b	b b c	b	53	44	•	-	-	-	-	12·0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
3.	30th 2h.	PARIS	NE	2	bc	45	48	8

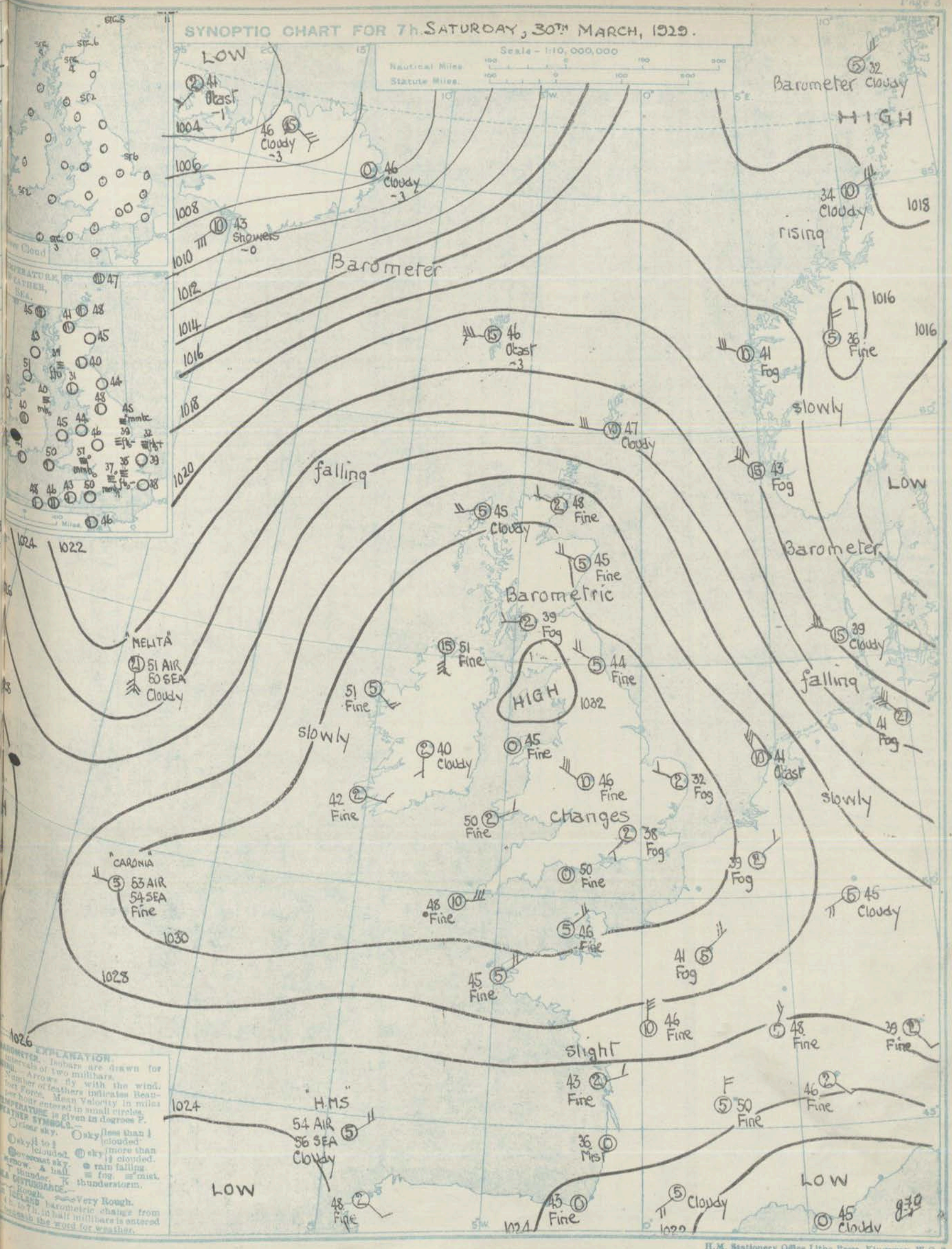
GENERAL INFERENCE.

Under the influence of the anticyclone which maintains its position over the British Isles fine settled weather will continue over the whole country.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Saturday, 30th March, 1929.	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. S.E. Scotland 12. S.W. Scotland & Isle of Man	Light variable winds, mainly cloudless; local morning fog; very warm by day, slight frost in places at night.	Fine quiet weather continues perhaps becoming rather less warm in the east of the country.
13. A. W. Scotland B. N.W. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	Light or moderate winds mainly westerly; fair; moderate temperature to rather warm.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 1 - 12.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0945 G.M.T. G. C. SIMPSON, F.R.S. Director.

† For code see page 1. † Trace = rain has fallen, but amount less than 0·1



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION Saturday 30th March 1929. No. 89

Observations at 1h. G.M.T. 30th

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility‡ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10
Lerwick	54	1022.4	-1	W'S	3	c	48	92	7	1500	Cu.	5	A.St.	10
Stornoway	30	1031.9	-2	SW	2	c	*	*	6	*	*	*	*	10
Wick	81	1022.9	-2	WNW	2	bc	47	97	9	2500	St.Cu.	4	Ci.St.	6
Tiree	25	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	61	1022.6	-2	NE	3	fb-	43	97	3	-	-	0	-	0
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1031.9	0	WSW	2	bc	44	97	6	450	St.	3	-	3
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	87	1031.3	-1	W	2	bcff	47	75	7	800	St.	3	-	3
Blacksod Point	38	1030.7	-1	-	0	b	47	92	7	*	-	0	-	0
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	178	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	30	1032.3	-1	NW'N	1	b	46	97	6	-	-	0	-	0
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	39	1031.6	0	WSW	1	b	44	97	6	-	-	0	-	0
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	236	1032.7	0	SE'E	1	b	39	97	6	-	-	0	-	0
Gorleston	14	1032.4	0	-	0	b	42	92	6	-	-	0	-	0
Valentia (Cahirciveen)P	30	1032.0	-1	SE	3	b	53	75	7	-	-	0	-	0
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	160	1031.4	-1	NE'E	2	b	52	85	6	-	-	0	-	0
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	257	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	44	*	*	*	*	*	*	*
Croydon	244	1031.5	-1	SSW	1	b	43	85	6	-	-	0	-	0
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	360	1031.2	0	NE'N	3	bc	44	65	7	-	-	0	Ci.	3
Scilly (St. Mary's)	163	1030.4	-1	ENE	3	b	48	85	7	-	-	0	-	0
Falmouth (Pendennis)	300	1031.4	0	-	0	bcr	47	85	6	4000	St.Cu.	3	-	3
Plymouth (Cattewater)	89	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	32	1031.1	0	N	1	bc	51	65	6	1500	St.Cu.	3	Ci.	6
Southampton (Calshot)	10	1031.7	0	NNW	2	b	42	92	6	-	-	0	Ci.	1
Dungeness	20	1030.5	-2	NE	1	bf	38	97	7	-	-	0	Ci.Cu.	2
Guernsey (Fort George)P	298	1030.0	-1	-	0	bc	46	85	7	-	-	0	A.St.	4

Observations at 7h. G.M.T. 30th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility‡ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1023.8	+1	W'N	3	c	47	85	7	1500	St.Cu.	5	A.St.	10	*
Stornoway	1029.5	-2	WSW	2	c	45	92	7	4000	St.Cu.	9	-	9	1
Wick	1029.2	-1	WNW	1	bc-	48	92	9	2500	St.Cu.	6	Ci.St.	7	0
Tiree	1030.4	-5	SSE	1	b-	43	97	7	-	-	0	-	0	1
Nairn	1030.3	*	W	2	bc	44	85	8	4000	St.Cu.	4	-	4	*
Aberdeen	1029.8	0	WNW	2	b	45	85	8	-	-	0	*	0	0
Malin Head	1030.4	-3	S	4	b-	51	65	7	-	-	0	-	0	0
Renfrew	1031.2	-1	W	1	ffo	39	97	2	220	St.	10	-	10	*
Edinburgh (Inchkeith)	1029.8	-1	WSW	2	b	40	85	5	450	St.	2	-	2	0
Leuchars	1030.4	0	-	0	b	40	85	8	1500	St.	1	-	1	*
Eskdalemuir	1032.1	-1	-	0	b	31	97	8	-	-	0	Ci.	1	*
Tynemouth	1030.9	+1	NW	2	b	44	85	6	-	-	0	-	0	0
Blacksod Point	1030.2	-2	SE	2	b	51	65	8	*	-	0	-	0	2
Donaghadee	1031.1	-1	-	0	mb	40	92	4	-	-	0	-	0	0
Birr Castle	1031.1	*	S	1	c	40	92	6	-	-	0	Ci.Cu.	9	*
Holyhead	1031.8	0	-	0	b	45	97	5	-	-	0	-	0	0
Liverpool (Bidston)	1031.8	0	NNW	3	b	44	85	6	-	-	0	-	0	*
Chester (Sealand)	1032.0	?	S'E	1	FFb	30	92	1	-	-	0	-	0	*
Harrogate	1031.0	0	SW	1	b	49	55	7	-	-	0	Ci.St.	1	*
Spurn Head	1030.1	0	NNW	2	mmbc	45	97	4	450	St.	6	-	6	0
Birmingham (Edgbaston)	1031.4	0	NW	3	b	46	85	5	-	-	0	-	0	*
Cranwell	1031.3	-1	W'N	3	fb-	39	97	4	-	-	0	-	0	*
Gorleston	1030.5	0	NW'N	1	fbr	32	97	2	-	-	0	-	0	0
Valentia (Cahirciveen)P	1031.3	0	E'S	1	b	42	85	8	-	-	0	-	0	2
Roches Point	1031.9	0	SE	2	b	47	85	7	1500	St.	2	-	2	0
Pembroke (St. Ann's H.)	1031.3	+1	ENE	1	b-	50	75	6	-	-	0	Ci.St.	2	0
Ross-on-Wye	1031.7	-1	NNW	1	mmb	37	85	4	-	-	0	-	0	*
Leafield	1031.4	-1	NW'N	1	b	44	85	6	-	-	0	-	0	*
Winchester (Worthy Dn.)	1031.2	0	-	0	b	35	97	5	-	-	0	-	0	*
S. Farnborough	1030.8	-1	-	0	mmb	37	97	4	-	-	0	Ci.	2	*
London (Kew Obsy.)	1031.0	0	SW	1	fb-	38	97	3	-	-	0	-	0	*
Croydon	1031.1	+1	-	0	b	39	97	5	-	-	0	-	0	*
Shoeburyness	1030.9	0	NNW	1	mmb	39	97	4	-	-	0	-	0	0
Clacton-on-Sea	1030.5	0	NE	2	b	39	92	6	-	-	0	-	0	0
Felixstowe	1030.8	0	-	0	fc-	38	97	3	450	St.	8	-	8	0
Lympne	1030.4	0	NE	2	b	44	85	7	-	-	0	-	0	*
Scilly (St. Mary's)	1030.4	0	E	3	b	48	75	7	-	-	0	Ci.St.	1	1
Falmouth (Pendennis)	1030.9	+2	NE'E	2	bcr	46	85	6	4000	St.Cu.	3	A.St.	6	0
Plymouth (Cattewater)	1031.1	0	N	1	b	43	85	5	-	-	0	Ci.	1	0
Portland Bill	1030.3	+1	-	0	b	50	75	6	-	-	0	-	0	0
Southampton (Calshot)	1030.8	-1	WNW	2	b	40	92	5	-	-	0	-	0	0
Dungeness	1030.3	-1	N	1	b	38	85	6	-	-	0	-	0	1
Guernsey (Fort George)P	1030.7	+2	NE	2	b	46	92	7	-	-	0	Ci.St.	2	0

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

Stations (1)	Weather Forenoon (2)	Weather Afternoon (3)	Temperature Min. 9h. 28th to 9h. 29th (4) °F.	Temperature Max. 9h.-17h. 29th (5) °F.	Rainfall† Night 17h.-9h. 28th-29th (6) mm.	Rainfall† Day 9h.-17h. 29th (7) mm.	Sunshine Sunrise to 17h. 29th (8) hr.	Sunshine Sunrise to Sunset 28th (9) hr.
Berwick-on-Tweed	b	b	42	52	-	-	10.6	11.6
Douglas (I. o. M.)	b2o	b2o	49	63	-	-	10.3	11.8
Llandudno	b	b	39	61	-	-	10.4	11.2
Colwyn Bay	b	b	39	59	-	-	10.5	11.1
Rhyl	b	b	35	60	-	-	10.1	10.0
Wallasey	b	b	40	52	-	-	10.3	8.7
Southport	b	b	*34	53	-	-	9.6	10.7
Blackpool	b2	bb	31	57	-	-	9.6	10.6
Ilkley	b	b	36	74	-	-	8.8	10.9
Cleethorpes	b	b	34	63	-	-	10.2	11.3
Skegness	b	b	35	61	-	-	9.2	10.3
Aberystwyth	b	bb2	42	52	-	-	9.2	10.2
Bath	b	b	34	72	-	-	10.1	11.1
Cheltenham§	bmo	bumo	37	70	-	-	9.2	10.5
Leamington Spa	b2	b2	34	71	-	-	8.6	9.8
Lowestoft	b	b	35	55	-	-	10.7	11.2
Harwich & Dovercourt	b2	b2	37	52	-	-	10.5	10.8
Maldon	b	b	35	61	-	-	10.1	10.9
Southend	b	bhr	41	59	-	-	11.0	11.7

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bude	wb2b	bb2	38	69	-	-	10.2	10.4
Penzance	b	b	45	65	-	-	10.2	10.2
Paignton	b2y	by	39	61	-	-	10.1	10.1
Torquay	b	b	46	63	-	-	10.6	10.5
Jersey	b	b	44	64	-	-	10.7	11.7
Weymouth	b	b	42	62	-	-	10.5	10.4
Bournemouth	b	b	40	67	-	-	10.7	10.8
Ventnor	b2	b2	51	61	-	-	10.6	11.5
Portsmouth (S'thsea)	b	b	42	67	-	-	10.3	10.4
Bognor	b	b	35	61	-	-	10.6	11.5
Littlehampton	b	bbc	42	63	-	-	10.7	11.7
Worthing	b	b	45	62	-	-	10.6	11.5
Brighton	b	b	43	62	-	-	10.5	11.5
Eastbourne§	b	b	42	55	-	-	10.9	11.8
Hastings§	b	bbcc	42	60	-	-	11.0	11.6
Folkestone	b	bbc	40	57	-	-	10.1	11.2
Dover	bbc	bc	49	55	-	-	10.7	11.4
Tunbridge Wells	b	bbc	35	66	-	-	10.9	11.8
Ramsgate	bm	bm	40	50	-	-	10.8	11.4
Margate	bc	bc	40	49	-	-	10.4	11.4
Deal	b	b	33	49	-	-	9.7	10.7

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* Information not usually received. P The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station ‡ For code see page 1. †‡ See footnote page 1.

§ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ⊕ 21h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 24,601 Sunday, 31st March 1929. Page 1.

Observations at 15h. G.M.T. 30th

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1021·6	-4	W'S	3	c	51	65	8	1300	StCu	9	-	9	•
Stornoway	1023·1	-7	WSW	2	b-	54	75	8	4000	Cu	2	-	2	•
Wick	1024·3	-4	WNW	2	b	49	92	8	4000	Cu	1	CiSt	2	•
Tiree	1026·5	-4	SSW	4	b-	50	85	7	-	-	0	-	0	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1026·3	-4	S	3	b	57	55	7	-	-	0	-	0	0
Malin Head	1027·6	-3	WSW	4	b	61	55	6	-	-	0	-	0	•
Renfrew	1027·6	-5	W	3	b	63	55	6	-	-	0	-	0	0
Edinburgh (Inchkeith)	1026·6	-4	WSW	2	bc	59	55	5	450	St	3	-	3	•
Leuchars	1027·0	-5	E	3	b	55	55	8	-	-	0	-	0	0
Eskdalemuir	1027·7	-3	SSW	3	b	63	45	8	-	-	0	-	0	1
Tynemouth	1028·8	-2	SSE	2	b	61	75	7	-	-	0	-	0	•
Blacksod Point	1028·2	-2	E	4	b	59	55	7	•	-	0	-	0	•
Donaghadee	1028·0	-4	S	1	b	63	55	6	-	-	0	-	0	•
Birr Castle	1028·8	•	SW	1	?	69	45	6	-	-	0	-	?	•
Holyhead	1030·3	-2	SW	1	b	62	55	6	-	-	0	-	0	0
Liverpool (Bidston)	1030·2	-1	NW'W	2	b	57	45	7	-	-	0	-	0	•
Chester (Sealand)	1030·0	-3	NW	2	b	63	45	6	-	-	0	-	0	0
Harrogate	1028·7	-2	SE	1	b	62	45	7	-	-	0	-	0	•
Spurn Head	1029·6	0	NE	3	bc	53	75	6	1500	St	3	-	3	•
Birmingham (Edgbaston)	1029·5	-2	NW	2	b	67	35	6	-	-	0	-	0	1
Cranwell	1030·1	-2	N	3	b	63	45	7	-	-	0	-	0	0
Gorleston	1029·7	-1	SSE	2	b	47	75	6	-	-	0	-	0	•
Valentia (Cahirciveen)	1029·0	-4	S'E	2	b	66	45	8	-	-	0	-	0	0
Roches Point	1029·5	-2	SE	2	b	56	65	7	1500	St	1	CiCu	2	•
Pembroke (St. Ann's H.)	1029·7	-2	W	1	b	61	65	5	-	-	0	CiSt	1	•
Ross-on-Wye	1029·1	-2	E'S	2	b	69	(35)	(7)	-	-	0	-	0	0
Leafield	1029·2	-1	N'W	3	b	65	35	7	-	-	0	-	0	0
Winchester (Worthy Dn.)	1029·3	-2	NNE	2	b	69	35	7	-	-	0	-	0	0
S. Farnborough	1028·7	-3	NNW	2	b	71	25	6	-	-	0	-	0	0
London (Kew Obsy.)	1029·0	-3	NE'N	3	b	66	35	6	-	-	0	-	0	0
Croydon	1029·0	-3	-	0	mmb	64	55	4	-	-	0	-	0	0
Shoeburyness	1030·1	-1	SE	2	b	56	75	7	-	-	0	-	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1030·4	-1	S	3	b	49	65	7	-	-	0	-	0	0
Lympne	1029·6	-1	SE'E	3	b	54	65	6	-	-	0	-	0	0
Scilly (St. Mary's)	1030·1	0	E'S	3	b	53	85	6	-	-	0	-	0	•
Falmouth (Pendennis)	1029·9	-1	-	0	bc	61	55	6	4000	StCu	3	-	3	•
Plymouth (Cattewater)	1030·3	-2	SSW	1	b	67	65	6	-	-	0	Ci	1	0
Portland Bill	1029·5	-1	-	0	b	59	55	4	-	-	0	-	0	•
Southampton (Calshot)	1029·3	-2	S	1	b	68	45	6	-	-	0	-	0	0
Dungeness	1030·2	+1	E	2	b	50	75	6	-	-	0	-	0	•
Guernsey (Fort George)	1030·3	-1	NNE	1	b	56	55	7	-	-	0	CiSt	2	•

Observations at 18h. G.M.T. 30

Stations	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1017·2	-6	SW	1	bc	46	85	8	1500	StCu	4	Ci	6	•
Stornoway	1016·7	-4	SW	6	o+	51	85	7	4000	Nb	10	-	10	5
Wick	1017·7	-6	SW	3	c	47	92	8	2500	StCu	6	CiSt	8	0
Tiree	1022·3	-4	W'S	4	o	50	92	7	1500	St	10	-	10	2
Nairn	1018·6	•	W	3	bc+	58	55	7	4000	StCu	7	-	7	•
Aberdeen	1019·6	-8	S'E	3	b+	51	65	6	-	-	0	a.St	2	0
Malin Head	1024·5	-4	W	5	bc+	50	85	6	5700	StCu	6	CiCu	6	3
Renfrew	1022·5	-6	SW	3	c+	56	65	6	-	-	0	Ci	8	•
Edinburgh (Inchkeith)	1023·4	-4	SW	3	bc⊕	59	55	7	450	St	3	a.Cu	5	1
Leuchars	1021·3	-6	SW	3	bc⊕	61	65	6	-	-	0	CiSt	4	•
Eskdalemuir	1024·6	-4	SSE	2	bc	51	65	6	-	-	0	CiSt	3	•
Tynemouth	1024·2	-3	S	2	bc	48	85	5	800	St	3	Ci	4	0
Blacksod Point	1026·8	-1	W	4	c	51	85	7	•	-	0	a.St	10	2
Donaghadee	1024·4	-4	SW	2	bc+	57	75	6	-	-	0	CiSt	3	2
Birr Castle	1026·6	•	SSW	1	?	61	65	6	-	-	0	-	?	•
Holyhead	1026·8	-4	S'W	2	bc	53	75	6	7200	St	4	Ci	5	0
Liverpool (Bidston)	1027·1	-2	-	0	c+	58	55	6	-	-	0	a.Cu	8	•
Chester (Sealand)	1027·2	-3	NWW	2	bc+	56	65	6	-	-	0	Ci	6	•
Harrogate	1025·8	-2	SW	3	bc+	59	55	7	-	-	0	CiCu	5	•
Spurn Head	1026·1	-2	SE'S	2	bc+	43	97	6	1500	StCu	3	CiCu	5	1
Birmingham (Edgbaston)	1027·1	-2	NNW	1	b	64	45	5	-	-	0	Ci	1	•
Cranwell	1027·8	-3	SSE	3	b+	52	75	6	-	-	0	Ci	1	•
Gorleston	1027·3	-3	-	0	b	45	85	6	-	-	0	-	0	0
Valentia (Cahirciveen)	1029·7	0	-	0	bc	55	85	7	4000	StCu	4	a.Cu	7	2
Roches Point	1028·6	-3	SE	1	b	54	85	7	-	-	0	CiCu	1	0
Pembroke (St. Ann's H.)	1028·4	-3	WNW	1	b	56	75	5	-	-	0	CiSt	1	0
Ross-on-Wye	1026·7	-2	SSW	2	b	64	45	6	-	-	0	Ci	1	•
Leafield	1027·0	-3	W'S	1	b	64	35	7	-	-	0	Ci	1	•
Winchester (Worthy Dn.)	1027·3	-1	N	1	b	65	35	7	-	-	0	Ci	1	•
S. Farnborough	1027·2	-1	NE	1	b	63	55	6	-	-	0	Ci	1	•
London (Kew Obsy.)	1027·2	-2	NNE	1	b	65	35	5	-	-	0	Ci	1	•
Croydon	1027·5	-1	NE'N	1	b	62	45	5	-	-		-	0	•
Shoeburyness	1027·0	-2	-	0	b	51	92	8	-	-	0	-	0	•
Clacton-on-Sea	1027·5	-3	ESE	1	b	45	85	6	-	-	0	-	0	1
Felixstowe	1027·6	0	SSW	2	b	45	85	6	-	-	0	-	0	0
Lympne	1027·8	-1	-	0	b	47	75	7	-	-	0	-	0	•
Scilly (St. Mary's)	1029·2	0	ESE	1	b	53	75	7	4000	StCu	2	-	2	1
Falmouth (Pendennis)	1028·9	-2	-	0	bc	56	65	6	4000	StCu	3	-	3	0
Plymouth (Cattewater)	1028·9	-1	-	0	b	55	65	6	-	-	0	Ci	1	0
Portland Bill	1027·6	-3	W'N	3	bc	54	65	6	1500	StCu	2	Ci	3	0
Southampton (Calshot)	1027·8	0	SE	2	b	48	85	5	-	-	0	Ci	1	0
Dungeness	1028·1	-3	SE	1	bc+	47	75	6	-	-	0	CiSt	4	2
Guernsey (Fort George)	1028·6	-3	WSW	1	b	56	65	7	-	-	0	CiSt	2	0

London Observations. Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning (24 hours ended 9h.)	Weather Afternoon	Weather Night	Temp. Max. Day °F.	Temp. Min. Night °F.	Temp. 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)	Visibility 9h.
Kew	18	bjby	by	bybzc	68	41	28	-	-	10·5	•	•	6
Croydon	244	bmf2	b2y	by2obc	68	44	24	-	-	9·3	•	•	6
Greenwich (Royal Obsy.)	149	b2o	b2	b2obc⊕	70	43	27	-	-	10·5	31	61	•
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	7·5	•	•	•
Westminster (St. James' Pk.)	37	•	•	•	71	43	29	-	-	6·8	?	6x	•
Regent's Pk. (Botanic Gdns).	188	•	•	•	•	•	•	•	•	6·9	•	•	•
Camden Square	110	b	b	•	71	44	•	-	-	•	•	62	•
Kensington Palace	60	b	b	•	70	44	34	-	•	•	(At 18h) 44	72	•
Hampstead Observatory	450	•	•	•	67	41	35	-	Tr	10·9	•	67	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 31st

South Kensington Max.	Time.	Min.	Time.
2·6	10h 30m	<0·3	3h 30m

Kew Observatory Max.	Time.	Min.	Time.
0·9	3hrs	<0·1	16hrs

Pole Star Record at Greenwich Obsy.

Exposure from 30th 19h. 40m. to 31st 4h. 30m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	8·40	8·40	99
δ Ursae Minoris	8·40	8·32	98

Code for State of Ground.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 15h. and 18h. reports (Hoar frost in 1h. and 7h. reports).
7 = Snow (thin layer often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

Table showing the Greenwich Times of Sunrise, Noon, and Sunset. 31st March + 1st April, 1929.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·33 5·31	11·57 11·57	18·23 18·25
Greenwich	5·41 5·39	12·4 12·4	18·29 18·31
Wick	5·47 5·44	12·17 12·16	18·48 18·51
Valentia	6·21 6·19	12·49 12·48	19·10 19·12

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—12000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⋓ = lunar halo.
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; − = has decreased; + = has increased.

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

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

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

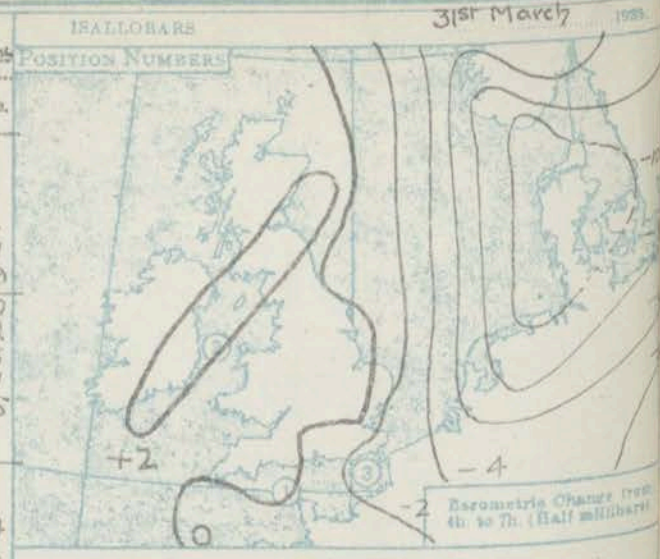
§ Telegraphic Code for Surface Visibility. Objects not visible at

Code		
0. Dense fog.	55	yards.
1. Thick fog.	220	"
2. Fog.	550	"
3. Moderate fog.	1,100	"
4. Mist or haze.	1¼	miles.
5. Poor visibility.	2½	"
6. Moderate.	6¼	"
7. Good.	12½	"
8. Very good.	31	"
9. Excellent visibility, beyond 31 m		

† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-18h. 30"	Weather. 18h.-18h. 30"	Weather. 18h. 30" to 1h. 31st	Weather. 1h.-7h. 31st	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Day. 7h.-18h. began.	Rainfall.† Night. 18h.-7h. min.	Rainfall.† Night. 18h.-7h. began.	Bright Sunshine 30th Hours.
Lerwick	c	cbc	coRR	cprbc	51	42	•	-	-	5	21·00	3·3
Stornoway	cbcb	c	bccprbc	cPRbc	55	40	•	-	-	6	21·00	5·8
Wick	bbc	bbc	cprbc	cprbc	49	39	•	-	-	3	24·00	•
Tiree	b	bbco	pd₀b	pd₀b	57	42	42	-	-	0·2	21·00	8·2
Nairn	bcb	bbcq	bcprq	prqbc	66	41	•	-	-	2	21·00	9·7
Aberdeen	bby	bybz₀	bcz₀	cpr₀bcb	59	42	37	-	-	0·2	24·00	10·9
Malin Head	by₂₀z₀	bbcz₀z₀	bccd₀bc	bcpr₀q	63	43	•	-	-	0·6	21·00	10·0
Renfrew	₀Fbz₀	bz₀c	cz₀cr₀	bcv	64	41	37	-	-	Tr.	22·00	8·2
Edinburgh (Inchkeith)	bm₀m₀	bcm₀	bcir₀	bcb	62	43	40	-	-	Tr.	4·30	10·8
Leuchars	bwby	bbc	bcb	b	63	43	39	-	-	-	-	11·1
Eskdalemuir	bby	bbcy	bz₀c	cbcpr₀	63	39	37	-	-	0·4	6·30	10·5
Tynemouth	bc	bbcm₀	bcffbc	bebq	56	44	34	-	-	-	-	•
Blacksod Point ...	b	bo	bcb	bbc	59	45	•	-	•	-	•	•
Donaghadee	bmm₀	bbcm₀	bbc	bc	64	43	•	-	-	-	-	•
Birr Castle	bbcy	cbc	c	cw	71	38	29	-	-	Trace	-	10·4
Holyhead	bm₀z₀	bbcyz₀	bcbm₀	bbccm₀	65	46	44	-	-	-	-	10·3
Liverpool (Bidston) ...	m₀bz₀	ybbzy	bbccq	qccw	62	43	39	-	-	-	-	10·0
Chester (Sealand) ...	bfz₀y	bz₀bc	bcm₀c	cq	64	44	34	-	-	-	-	9·9
Harrogate	b	bbc	bcb	bbcq	66	42	39	-	-	-	-	10·8
Spurn Head	mbc	bc	bc	bcc	54	42	•	-	-	-	-	10·3
Birmingham (Edgbaston)	b	b	b	bbcc	69	46	31	-	-	-	-	10·8
Cranwell	bm₀b	b	bc	c	66	42	37	-	-	-	-	9·2
Gorleston	bffb	b	bwm	bcm₀	53	42	38	-	-	-	-	9·3
Valentia (Cahirciveen)	by	bybc	bccbc	bcw	66	45	43	-	-	Tr.	-	9·8
Roches Point	b	b	bw	bw	57	46	•	-	-	Tr.	-	•
Pembroke (St. Ann's H.)	bz	bm	bz	bbcz	63	46	•	-	-	-	-	11·2
Ross-on-Wye	bmbz₀by	by	bylw	bwcc	73	44	34	-	-	-	-	11·2
Leafield	by	by	b	bbcc	68	45	36	-	-	-	-	11·0
Winchester (Worthy Dn.)	bm₀fcz₀f	by	by₂₀m₀	bbccm₀	71	38	27	-	-	-	-	10·5
S. Farnborough ...	bzmyz₀	byz₀	byz₀m	bm₀cm₀	73	38	27	-	-	-	-	10·1
London (Kew Obsy.) ...	bfby	by	byb	bzc	68	41	28	-	-	-	-	10·5
Croydon	bmf2	bzy	byz₀	bcz₀	68	44	24	-	-	-	-	9·3
Shoeburyness	bm₀b	b	b	bccm₀	56	36	30	-	-	-	-	10·4
Clacton-on-Sea ...	bmz	bz	bz	bbcz	50	42	35	-	-	-	-	10·6
Felixstowe	b	bz₀	bz₀bcz	c	50	37	25	-	-	-	-	10·8
Lympne	bm₀z₀	by	bbm₀	bm₀cm₀	56	39	29	-	-	-	-	11·4
Scilly (St. Mary's) ...	bm₀	b	b	bcm₀	59	46	•	-	-	-	-	10·8
Falmouth (Pendennis)	bcz₀	bcz₀	bcz₀	bc	61	47	•	-	-	-	-	10·1
Plymouth (Cattewater)	bmy	bmoy	bm₀	bm₀wc	61	46	34	-	-	-	-	9·7
Portland Bill	bmm	bmbcz₀	bz₀	bccz₀	59	45	•	-	-	-	-	•
Southampton (Calshot)	bm₀byz₀	bz₀ym₀	bm₀w	bm₀wcf	70	38	28	-	-	-	-	9·3
Dungeness	bz₀	bbcz₀	bcbm₀	bbccz₀	52	37	•	-	-	-	-	•
Guernsey	by	by	b	bbcz₀	58	48	•	-	-	-	-	11·3



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	30th 10h	Cambria	-	0	b,bc	51	46	6
1	30th 12h	St. Julien	-	0	ifbc	51	48	6
3	31st 2h	Arundel	NW	1	bbc	45	44	7

GENERAL INFERENCE.

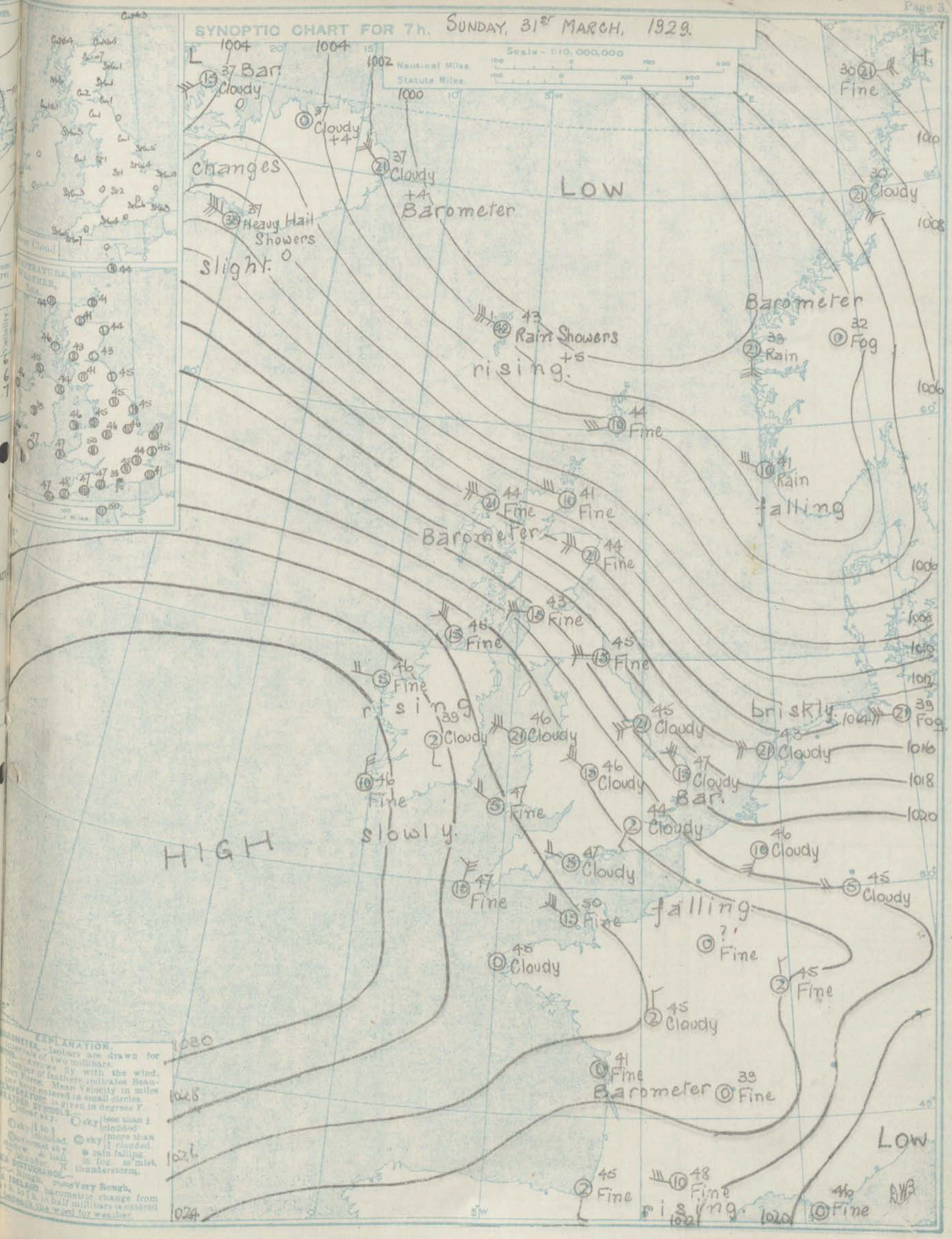
The anticyclone is now centred to westward of the British Isles, while a vigorous disturbance near Southern Norway is growing deeper as it moves southeastwards. Weather will be fair over most of England and Ireland while elsewhere there will be bright periods with some local showers. Temperature will be lower than of late.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Sunday, 31st March, 1929.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind northwest, fresh to strong on the coasts, moderating later; mainly fine; cooler.	Fair weather for a time: moderate temperature.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind northwest, fresh to strong locally for a time; mainly fair; much cooler.	
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. (A) W. Scotland ✝ (B) N.W. Scotland ✝	Wind northwest, fresh to strong at times; variable skies; some local showers today; much cooler.	✝ South Cone hoisted at 17h. 30m. 30/3/29 in districts 13, 16 and 17.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands ✝	Wind northwest, strong, approaching gale force on the coasts, mainly cloudy; some occasional rain or showers: much cooler.	
17. N.W. Ireland ✝	Wind between northwest and north, light to moderate; fine; cooler; ground frost locally at night.	
18. N.E. Ireland	As 11 - 13A.	
19. S.E. Ireland 20. S.W. Ireland	As 17.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at ~~11.30 G.M.T.~~ G. C. SIMPSON, F.R.S., Director.

✝ For code see page 1

†Trace = rain has fallen, but amount less than ·1 mm.


SYNOPTIC CHART FOR 7h. SUNDAY, 31st MARCH, 1929.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
L
Bar.
Cloudy
Cloudy +4
Cloudy +4
Barometer
changes
Heavy Hail Showers
slight.
LOW
Rain Showers +5
rising.
Fine
Fine
Fine
Fine
Barometer
Fine
Fine
Fine
Fine
Fine
rising
Cloudy
Cloudy
Cloudy
Cloudy
Cloudy
Cloudy
Cloudy
Cloudy
Cloudy
briskly.
Fog
Cloudy
Cloudy
Bar.
Cloudy
Cloudy
Cloudy
HIGH
slowly.
Fine
Fine
Cloudy
Fine
Fine
Cloudy
Cloudy
Fine
Fine
Barometer
Fine
Fine
Fine
Fine
Fine
Low
rising.
Fine
Fine
Fine
Fine
Fine
Rain
Rain
Fog
Fine
falling
falling
1004
1002
1000
1008
1006
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1020
1020
1022
Barometer
Temp.
Dew.
Visibility
EXPLANATION.
BAROMETER.—Isobars are drawn for intervals of two millibars.
WIND.—Arrows fly with the wind. Number of feathers indicates Beaufort Force. Mean Velocity in miles per hour entered in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.
Clear sky.
sky less than ½ clouded.
sky more than ½ clouded.
Overcast sky.
rain falling.
snow.
hail.
fog, or mist.
thunder.
thunderstorm.
SEA DISTURBANCE.
Rough.
Very Rough.
ISOBARS. barometric change from 1 h. to 7 h. in half millibars is entered towards the wind for weaker.
AWB

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...Sunday, 31st March.....1929. No. 90.

Stations	Height above M.S.L. in feet	Obs. at 1h. G.M.T. 31st: Barom. at M.S.L. mb.	Change in 3 Hours*	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility‡ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Obs. at 7h. G.M.T. 31st: Barom. at M.S.L. mb.	Change in 3 Hours*	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility‡ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-6
Lerwick	54	1005·4	-9	SW	3	oRR	45	97	7	1500	Nb	10	-	10	1009·9	0	WS	3	bejp	44	85	8	1500	CuNb	3	acu	6	•
Stornoway	30	1016·9	+2	WSW	4	bc	•	•	7	•	•	•	•	6	1016·3	+1	WNW	5	bc	44	65	7	4000	CuNb	4	-	4	4
Wick	81	1011·2	-4	WNW	3	bc	42	92	8	1500	CuNb	5	-	5	1012·9	+1	WNW	3	bc	41	92	8	2500	CuNb	4	acu	6	0
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1022·1	+1	NW'N	5	bc	46	92	8	2500	Nb	6	-	6	4
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1016·7	•	WSW	4	bejp	41	85	8	2500	CuNb	7	-	7	•
Aberdeen	87	•	•	•	•	•	•	•	•	•	•	•	•	•	1015·0	+2	WNW	5	b	44	65	8	4000	StCu	1	-	1	0
Malin Head	84	1024·0	+1	NW	5	bc|pc	47	85	8	4000	CuNb	3	-	3	1025·8	+1	NW	4	bejp	45	75	8	4000	CuNb	1	CuCu	3	4
Renfrew	30	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·6	+1	W	4	bc	43	73	9	4000	Cu	2	CiCu	7	•
Edinburgh (Inchkeith)	190	1016·6	-4	WSW	4	bc	47	85	7	1500	St	3	-	3	1018·4	+2	WSW	4	b	43	75	9	4000	Cu	2	CiCu	2	2
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	1017·3	+1	W	5	b	45	55	8	2500	StCu	1	acu	2	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1021·0	+2	WNW	5	bc|pr	41	73	8	2500	Cu	1	Ci	3	•
Tynemouth	67	1018·6	-2	W	2	bc	49	75	6	800	St	3	-	3	1019·1	-1	W	4	b	45	65	7	-	-	0	acu	2	2
Blackwod Point ...	18	1023·7	+1	W	4	b	47	75	8	•	-	0	-	0	1025·0	+1	W	2	bc	46	65	8	•	-	0	acu	4	2
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1025·0	+2	WNW	3	bc+	44	75	8	5700	StCu	3	CiCu	6	3
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	1028·5	•	S	1	?	39	92	6	?	?	?	?	?	•
Holyhead	36	1024·7	0	W'N	6	b	48	85	6	-	-	0	Ci	2	1025·5	+1	NW'W	5	c	46	85	7	4000	Cu	1	CiSt	9	2
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1024·0	+1	NW	5	c	45	85	8	2500	St	1	CiSt	9	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1024·7	0	WNW	5	c+	47	85	7	2500	StCu	6	acu	9	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·6	0	W	5	bc	45	75	8	4000	Cu	1	CiCu	7	•
Spurn Head	20	1020·1	-3	WSW	3	bc	45	85	6	2500	Nb	5	-	5	1019·1	0	~~WNW~~	5	c-	45	85	7	5700	StCu	5	CiCu	8	3
Birmingham (Edgbaston)	675	•	•	•	•	•	•	•	•	•	•	•	•	•	1024·7	+1	NW	4	c ⊕	46	75	8	1500	St	1	CiSt	8	•
Cranwell	238	1022·8	-5	WSW	3	c+	49	75	6	-	-	0	aSt	8	1022·2	+1	NW'W	5	c	46	75	8	4000	StCu	4	aSt	9	•
Gorleston	14	1023·0	-4	WSW	3	b	44	83	6	-	-	0	-	0	1019·1	-1	NW'N	4	c	47	75	6	2500	StCu	10	-	10	0
Valentia (Cahirciveen)‡	30	1030·8	0	NNW	3	o	49	92	8	•	St	10	-	10	1030·8	+1	N	3	bc	46	75	8	2500	Cu	1	CiCu	7	2
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1029·3	+2	N	3	b	47	85	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	160	1026·4	-2	NW	1	b	49	97	5	-	-	0	-	0	1026·2	0	NW	2	bc+	47	97	6	2500	StCu	3	acu	6	1
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1024·2	0	NW'W	5	c	50	73	8	-	-	0	Ci	8	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1023·7	0	NW	4	c	47	75	6	1500	St	2	aSt	9	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•	1024·2	-1	WNW	3	c	44	85	6	-	-	0	aSt	9	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	1023·3	0	NNW	1	c	43	85	6	~~5000~~	~~StCu~~	~~8~~	CiSt	8	•
London (Kew Obsy.) ...	16	•	•	•	•	•	45	•	•	•	•	•	•	•	1023·2	0	SW'W	1	c	44	85	6	-	-	0	CiSt	10	•
Croydon	244	1025·2	-4	SW	1	b	44	75	6	-	-	0	-	0	1023·2	-1	W	3	c	47	65	6	2500	St	3	CiSt	10	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1022·0	-3	NW'W	3	c	49	85	6	-	-	0	aSt	10	•
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1021·2	-3	WNW	3	bc+	45	85	6	-	-	0	CiSt	6	1
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·8	-2	NW	4	c	49	65	7	-	-	0	aSt	10	3
Lympne	350	1023·7	-2	NW	2	b	41	85	6	-	-	0	-	0	1022·2	-2	NNW	3	c+	41	92	5	-	-	0	aSt	9	•
Scilly (St. Mary's) ...	163	1027·8	-1	-	0	b	48	75	8	-	-	0	-	0	1027·6	-1	N'E	4	bc	47	92	6	4000	StCu	5	-	5	1
Falmouth (Pendennis)	200	1027·8	0	-	0	bc	52	43	7	4000	StCu	3	-	3	1026·8	-1	NW'N	3	bc+	48	85	7	4000	StCu	7	-	7	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1026·2	0	NNW	5	c	47	85	6	-	-	0	CiSt	8	0
Portland Bill	52	1025·6	-2	WNW	3	b	51	75	6	-	-	0	-	0	1024·6	0	W'N	2	c	47	85	6	1500	StCu	4	aSt	10	0
Southampton (Calshot)	10	1025·8	-3	NNW	2	b	41	92	5	-	-	0	-	0	1024·9	-1	NW	2	fc	40	92	3	-	-	0	aSt	10	0
Dungeness	20	1025·6	-3	WSW	1	b-	42	92	6	-	-	0	-	0	1022·3	-3	W	2	c+	41	92	6	1500	StCu	8	-	9	2
Guernsey (Fort George) ‡	205	1026·6	-3	-	0	b-	49	75	6	-	-	0	-	0	1026·1	-1	WNW	4	bc+	50	75	6	-	-	0	aSt	7	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 30th March 1929

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.-29 to 9h.-30 °F	Temperature. Max. 9h.-17h. 30h °F	Rainfall† Night 17h.-9h. 29h.-30 mm.	Rainfall† Day 9h.-17h. 30h mm.	Sunshine. Sunrise to 17h. 30h hr.	Sunshine. Sunrise to Sunset 29h hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	b	b	38	57	-	-	10·6	11·0
Douglas (I. o. M.) ...	b2	b	44	63	-	-	10·1	10·8
Llandudno ...	b	bbc	40	60	-	-	10·2	11·3
Colwyn Bay ...	b	b	38	59	-	-	9·7	11·4
Rhyl	b	b	37	62	-	-	9·6	11·0
Wallasey	b	b	40	60	-	-	10·0	11·1
Southport	b	b9	*38	58	-	-	9·5	10·1
Blackpool	b2b	bbc2	32	59	-	-	8·1	10·6
Ilkley	b	b	36	72	-	-	9·8	10·4
Cleethorpes	b	b	35	56	-	-	10·0	10·7
Skegness	b	b	31	52	-	-	9·2	10·0
Aberystwyth ...	2bb	bb2	41	57	-	-	10·5	10·1
Bath	b	b	36	72	-	-	10·4	10·1
Cheltenham‖ ...	bby	bby	37	71	-	-	10·6	9·2
Leamington Spa ...	b	bb2	34	71	-	-	9·5	8·6
Lowestoft	b	b	33	52	-	-	10·8	11·0
Harwich & Dovercourt	b2	b2	37	52	-	-	10·1	10·9
Maldon	b	b	30	65	-	-	9·5	10·7
Southend	bm	b	40	58	-	-	10·0	11·5

(1)	(2)	(3)	(4)‡	(5)	(6)	(7)	(8)	(9)
Bude	b2b	b	37	63	-	-	10·0	10·5
Penzance	b	b2	45	64	-	-	9·1	11·0
Paignton	wbm	b2b2y	40	64	-	-	8·9	10·9
Torquay	wbm	by	45	64	-	-	9·8	11·1
Jersey	b	b	45	(65)	-	-	10·5	12·0
Weymouth	b	b	39	66	-	-	10·4	11·3
Bournemouth ...	b	b	37	73	-	-	9·5	11·0
Ventnor ...	b2	b2	40	61	-	-	10·0	11·3
Portsmouth (S'thsea)	b	b	40	66	-	-	9·8	10·5
Bognor	b	b	40	54	-	-	10·3	11·3
Littlehampton ...	b	b	40	58	-	-	10·3	11·4
Worthing	b	b	41	57	-	-	10·2	11·3
Brighton	b	b	40	54	-	-	10·2	11·1
Eastbourne‖	b	b	38	55	-	-	10·8	11·2
Hastings‖	bcb	b	44	57	-	-	11·0	11·0
Folkestone	b	b	39	58	-	-	10·3	10·3
Dover	b	b	40	52	-	-	10·5	10·7
Tunbridge Wells ...	b	b	36	70	-	-	10·3	11·6
Ramsgate	bm	bm	39	49	-	-	10·2	10·8
Margate	bcb	b	37	56	-	-	10·3	10·9
Deal	b	b	34	51	-	-	10·2	9·2

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

* Information not usually received. ‡ The observations at 1h. G.M.T. and at Guernsey, the sunshine readings are from an auxiliary station. § For code see page 1. †‡ See footnote page 1.

‖ At stations marked thus the maximum temperature is for the period 21h.-17h., the minimum for the period 21h.-9h. ⊕ 17h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION. CORRECTIONS AND ADDITIONS, March 1929.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
1st	Donaghadee	13h Temp 35
	Leafield	18h Cloud Ci
	Wick	7h " Cu 5 ACu 8
2nd	Felixstowe	Weather 1-7h bm∘x
	Leuchars	13h Wind WSW
	Blacksod Pt	" Cloud Cu 8.
	Holyhead	" Temp 38°
	Wick	18h Cloud height 3000'
	Spurn Hd	" Temp 33°
	Lympne	1h Hum: 75% 7h Force 4
	Wick	7h Cloud St 5. CiCu 8
	Blacksod Pt	" Temp 42°
	Clacton	Sun 9.5 hrs
	Lympne	Weather 7-13h bxcy
3rd	Calshot	" " bm∘ by
	Birr Castle	18h Wind force 1
	Birmingham	18h Weather mbc+
	S. Farnboro'	- Cloud CiSt 1.
	City	Sun 5.1 hrs
	Westminster	41. 26. 17 - 62 59. 84
	Camden Sqre	abbc. b. ÷ 41 25 ÷ - - ÷ ÷ 87
	Hampstead	Sun 8.3 hrs
	Greenwich	Pole Star 2nd 18h.45m to 3rd 5h.30m 10.45 10.15 95% " 9.41 90%
	Blacksod Pt	Min 35°
	Clacton	Sun 9.4
	Felixstowe	Grass Min 14 Sun 9.8
	Lympne	Min 23
4th	Plymouth	Weather 7-13h cm∘b 13-18h by 1-7h (bm∘ box)
	Malin Hd	13h Cloud StCu1 CiCu2
	Edinburgh	" Weather mmc
	Leuchars	- Bar 1027.9
	Gorleston	" Cloud St 3 CiCu5
	Tynemouth	18h " St 4 CiCu7
	Birmingham	" Weather fbc+
	Tynemouth	Night rain c.2 mm
	Holyhead	Weather 7-13h cbczbz∘ 13-18h bz∘m
	Winchester	- 13-18h bcz∘by
5th	Clacton	Sun 5.5 hrs
	Malin Hd	13h Cloud Cu4 CiCu4.
	Harrogate	- Vis 8. 7h Vis 7
	Edinburgh	7h Cloud ht 800.
	Birr Castle	- - 800
	Eskdalemuir	Grass Min 17°
	Clacton	- - 25° Sun 3.9
	Plymouth	Weather 7-13h bz∘c
	Calshot	" " cym∘c 13-18h cbcm∘ Day rain Nil
6th	Wick	13h Cloud total 8/10
	Blacksod Pt	" Temp 43° 18h Temp 45°
	Wick	18h Hum 92%
	Roches Pt	" Wind force 3
	Edinburgh	Min 35°
	Eskdalemuir	Weather 13-18h bc bz∘
	Holyhead	" 7-13h mmcm∘bz 1-7h (bm∘ 3bm)
	Chester	" 13h-18h cm∘
	Roches Pt	" 18-1h b
	Winchester	" 1-7h cm∘
	Falmouth	Max 43°
7th	Dungeness	Rain began <2100
	Cranwell	13h Bar 1023.8
	Edinburgh	Sun 8.3 hrs
	Stornoway	" 1.3 "
8th	Valentia	13h Wind SE'S
	Birmingham	18h Cloud Ci 2.
	Felixstowe	7h Hum 92%
	Leuchars	Weather 18-1h b br.∘
	Birr Castle	Min 35°
	Cranwell	Weather 1-7h bm∘x
	Clacton	Sun 3.3
9th	Dungeness	Min 34°
	Birmingham	13h Temp 57°
	Blacksod Pt	18h - 53°
	Donaghadee	- Hum 85%
	Liverpool	- Weather mbt Hum 55%
	Guernsey	- Temp 49°
	Malin Hd	1h Hum 45%
	Blacksod Pt	" Cloud StCu 6
	Scilly	" Hum 85%
	Birmingham	7h Weather ffb Vis 2
	Wick	Max 50°
9th	Donaghadee	Weather 1-7h bxcm.
	Clacton	Sun 10.0
	Falmouth	- 3.1
	Dungeness	Max 50°
10th	S. Kensington	Pollution. Defective Record
	Nairn	18h Weather bc-
	Pembroke	" Sea 2.
	Greenwich	Pole Star 9th 19h to 10th 5h.15m 10.15 10.15 100% 10.15 10.15 100%
	Wick	7h Cloud St 4 CiSt 6
	Birr Castle	Max 59°
	Winchester	Weather 13-18h by
	Calshot	Sun 9.9 hrs
11th	Stornoway	13h Bar 1020.6 mb.
	Kew	" 1023.7 -
	Dungeness	" Temp 53°
	Lerwick	18h Cloud ht 220'
	Donaghadee	" Bar 1021.3.
	Birr Castle	" See Additions.
	Scilly	18h Temp 49°
	Greenwich	Pole Star 6h59m 68% 3h18m 32%
	Blacksod Pt	7h Hum 85% Sea 0
	Holyhead	- Cloud Ci 1
	Chester	" Temp 27°
	Spurn Hd	- Temp 38°
12th	Dungeness	" Wind N. Max 55°
	Holyhead	13h Bar change +1 Hum 75% Vis 6
	Birr Castle	18h Cloud Cu 3
	Cranwell	" Weather mbc
	Leafield	- Vis 8.
	S. Farnboro	" Bar 1024.7 mb.
	Greenwich	bzfy bfz2 byfmfx 65 36 21 - Tr 7.6 33 75 4
	"	Pole Star 11th 19h to 12th 5h.15m 10.15 10.15 100% 10.15 4.16 42%
	Dungeness	1h Bar 1025.8 Wind NE.
	Hastings	Min 41.
	Stornoway	Weather 7-13h bcxoz.
	Roches Pt	" 13-18h b
	S. Farnboro	- 7-13h bm∘xbmyz∘by
13th	Leuchars	13h Wind force 2. 18h Vis 7.
	Holyhead	18h - NE'E
	Portland Bill	" Cloud ht 1500'
	Liverpool	7h Bar 1035.4 mb.
	Chester	- Wind SE'E.
	Winchester	- Bar 1033.3 mb.
	Southport	xbz bz 30 67 - - 7.8 8.9
	Nairn	Weather 1-7h xb
	S. Farnboro'	" 18-1h bzom∘d∘ 1-7h omid∘ Rain (night) Tr <2100
14th	Dungeness	13h Cloud 1500' 1h Weather fo Vis 5
	Tynemouth	18h Weather fo
	Gorleston	" " fo
	Lerwick	1h Bar change -2 Sun 5.3
	Malin Hd	- Hum 92%
	Wick	7h Weather c Cloud CuNb 8 CiSt 10
	Boonor	Min 40°
	Tiree	Sun 8.8.
	Renfrew	Weather 7-13h cffbm
	Leuchars	" " bxb
	Gorleston	- " ffocm Max 41°
	Dungeness	Max 43 Night rain 0.2 <2100
15th	Stornoway	13h Temp 51° Max 51°
	Shoeburyness	- Bar 1030.3 mb
	Blacksod Pt	18h " 1027.4 " 1h Vis 6
	Birr Castle	- Weather c Hum 85 Cloud St 9
	Wick	1h Cloud St 8 ASt 10
	Malin Hd	7h Wind force 4.
	Leafield	- Wind NE'E.
	Edinburgh	Max 37°
	Gorleston	Grass Min 33°
	Plymouth	Day rain Trace.
	Guernsey	Sun 5.0 hrs
16th	Birr Castle	13h Weather c Cloud St 9.
	Falmouth	" Hum 85%
	Birr Castle	18h Weather c Cloud St 9
	Tiree	7h Wind force 5.
	Valentia	- Cloud 2500
	Guernsey	- Bar 1026.7 mb.
	Jersey	Min 31°
	Holyhead	Weather 18-1h bcm Fe Fe 1-7h bFe Fe cm
16th	Scilly	Sun 0.9 hrs
	Calshot	" 5.9 hrs
17th	Birr Castle	13h + 18h Weather c Cloud St 9 18h Hum 85%
	Guernsey	18h Temp 43°
	City	Sun 0.1
	Westminster	42. 33 32. - - 0.5 100%
	Hampstead	Sun 1.6
	Greenwich	Pole Star 16th 19.15 to 17th 5.0. 9h45m 4h15m 94% 9.45 4h15m 44%
	Dungeness	1h Cloud <150 St 7.
	Wick	7h Weather mmo
	Birr Castle	- Cloud 1500'
	Holyhead	7h Wind SE'E
	Birmingham	7h - SE
	Cranwell	- Bar 1027.7
	Falmouth	- Hum 92%
	Winchester	Weather 13-18h cb Min 25° Night rain Tr
	Plymouth	Weather 1-7h bm∘qw
	Calshot	- 18-1h bm∘w.
18th	Donaghadee	13h Bar 1024.3
	Chester	" Temp 40°
	Tynemouth	18h Wind force 2.
	Portland Bill	1h Vis 6 Cloud 2500'
	Dungeness	- Wind force 2 Min 34°
	Blacksod Pt	7h Temp 49°
	Chester	Weather 1-7h Fbx
	Holyhead	- 7-13h bcm∘bz∘
	Ross-on-Wye	Min 27°
	Shoeburyness	Sun 6.7 hrs
19th	Malin Hd	13h Wind NW. 18h StCu2 (CiCu 9)
	Lympne	" " E'S
	Dungeness	- Weather fb-
	Harrogate	18h Vis 1
	Birmingham	- Bar 1023.9 mb
	Lerwick	1h Vis 8.
	Lympne	- Hum 97%
	Birr Castle	7h Cloud 800'
	Nairn	Night rain Trace.
20th	Birmingham	13h Weather fb-
	Scilly	" Cloud CiCu 1.
	Nairn	18h Weather if bc
	Donaghadee	" - mmbc Sea 2.
	Liverpool	- Bar 1020.0 mb.
	Gorleston	" Weather ffo 1h Wind SSW
	Plymouth	" Vis 7.
	Dungeness	1h Bar 1023.1 Wind NE.
	Malin Hd	Max 58°
	Edinburgh	- 39°
	Birr Castle	Min 42°
	Pembroke	Sun 8.4 hrs.
21st	Calshot	13h Weather c Cloud CiSt 9
	Blacksod Pt	18h Temp 54° 7h Temp 47°
	Holyhead	" Cloud St 6 ASt 10.
	Birmingham	- Bar 1017.9 mb.
	Holyhead	1h Wind SSE
	Eskdalemuir	7h Hum 97%
	Birr Castle	- Weather c/pr∘
	Ross-on-Wye	- Wind SSW.
	Holyhead	Weather 18-1h ir∘D ddm.
	Winchester	" " cz∘omff.
	Valentia	Night rain 2 mm.
	Lympne	Sun 7.9 hrs.
22nd	Birr Castle	13h Weather c/pr∘ 18h od
	Chester	" Cloud St 10
	Wick	18h Wind S
	Tiree	- - SE'S
	Nairn	- Force 2.
	Eskdalemuir	- Vis 6
	Chester	" Weather c. Cloud 2S (StCu ASt) 8
	Dungeness	" Cloud 800' 1h Weather c
	Valentia	1h Wind E
	Tynemouth	7h Weather fbc
	Harrogate	- Cloud Tib 8 CiCu 9
	Plymouth	- " St 9 CiCu 9
	Tiree	Day rain Nil
	Leuchars	Weather 18-1h cm cir∘c
	Leafield	" 1-7h od∘
	Winchester	- 7-13h offmm∘r∘
	Falmouth	Day rain 7 mm
	Plymouth	Min 45°

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, March 1929.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
23rd	Birr Castle	13h Vis 8.
	Lowestoft	Min 38°
	Harrogate	7h 1019.7+3 SW4 bc43 927 4000 Cu Nb 6-6
	Malin Hd	Sun 7.4 hrs
	Leuchars	Grass Min 30°
	Portland Bill	Max 49°
	Winchester	Weather 18-1h cb bm.
24th	Wick	18h Weather c/PR
	Tiree	" Force 5.
	Donaghadee	" Bar 1021.0 mb
	Holyhead	" Weather C ⊕
	Scilly	18h Bar 1027.7 mb.
	Camden Sqre	c cbcc 59.38. + - - 95%
	Falmouth	18h Cloud Cu 2 Ci 4
	Greenwich	Pole Star 23rd 19h 30m to 24th 4h 45m 9h 15m 9h 5m 98% 9h 15m 8h 59m 97%
	Malin Head	1h Bar 1020.8 mb
	Tiree	7h " 1018.0 "
	Birr Castle	" Vis 7 Slight rain Tr
	Pembroke	" Temp 45°
	Winchester	" Weather ffbc Vis 2
	Blacksod Pt	7h Sea 7
	Colwyn Bay	cb b 44 5b - - 8.8 10.0
	Nairn	Min 47°
	Renfrew	Max 52° Rain (day) 0.1 bcgm
25th	Roches Pt	13h Weather c r.
	Lerwick	18h Hum 92%
	Leuchars	" Wind force 3
	Birmingham	" Cloud Ni 3 Ci 5
	Greenwich	Weather bzy bcbzy. czompc
	Lerwick	7h Weather cy Cloud Cu 9
	Falmouth	" Bar 1026.6 mb
	Nairn	Sun 4.7 hrs.
	Aberdeen	Min 44°
	Lerwick	7-13h cm. bcy Day rain Nil
	Roches Pt	13-18h c r.
	Pembroke	Sun 0.1
	Birmingham	- 1.9
26th	Tynemouth	13h Temp 56°
	Blacksod Pt	- Wind Calm
	Spurn Hd	" - NNW
	Felixstowe	" Hum 65%
	Edinburgh	18h Bar 1023.0 Temp 46°
	Eskdalemuir	" Wind WNW Hum 65%
	Falmouth	" Temp 52° 1h Vis 6.
	Greenwich	Night Weather cf Day rain 0.3
	Stornoway	Max 52° Sun 4.2
	Tiree	Grass Min 34
	Blacksod Pt	7-13h cbc 13-18h bc c r.
	Spurn Hd	Rain began 11.00
26th	Lerlestor	Sun 1.2.
	Calshot	Day rain Trace
	Dungeness	" " 0.2 mm
27th	Blacksod Pt	13h Hum 85% 7h Temp 47
	Liverpool	" Cloud Ci 7.
	Lympne	" Temp 54°
	Holyhead	18h Wind S
	Birr Castle	7h Weather ifc
	Bude	Weather r. o bc. bcom
	Lerwick	" 1-7h od. d. c
	Malin Hd	Max 53°
	Lerlestor	Weather 18-1h bcmff.
	Valentia	Grass Min 41°
	Plymouth	Day rain Trace
28th	Winchester	Weather 1-7h bfm bcm. w.
	Holyhead	Cloud Ci St 4 (13h)
	Calshot	13h Vis 5.
	Blacksod Pt	18h Wind SW.
	Lerwick	1h Cloud St Cu 5 A Cu 8
	Birr Castle	7h Weather ffc
	Liverpool	" Hum 92%
	Winchester	" Weather ffb
	Cleethorpes	Min 37°
	Skegness	Max 53°
	Bude	Sun to 17h 9.0 hrs.
	Tiree	Weather 13-18h cm. pc Day rain -
	Chester	" 18-1h bm
	Lympne	Grass Min 32°
29th	Edinburgh	13h Bar 1034.0 mb
	Eskdalemuir	" " 1034.8 "
	Calshot	- Wind SW
	Guernsey	- Wind force 4
	Donaghadee	18h " - 1 Weather b
	City	Sun 8.5 hrs.
	Westminster	69. 40. 25 - - 10.5 44. 63
	Hampstead	Sun 10.7
	S. Kensington	Pollution Mx 2.0 19h 28th Min 14h 28th
	Greenwich	Pole Star 28th 19h 30m to 29th 4h 45m 9.15 100% 9h 15m 100%
	Birmingham	7h Weather mnb Vis 4.
	Portland Bill	7h Wind NE
	Bude	Min 35
30th	Eskdalemuir	Weather 18-1h b bc
	S. Kensington	Pollution Mx 2.6 8h 29th Min 0.4 16h 30th
	Winchester	18h Bar change -1
	Pembroke	1h " " -1 Force 2
	Leuchars	7h Temp 40°
	Kew	" Vis 3
	Valentia	Weather 18-1h b r.
31st	Roches Pt	Min 42°
31st	Malin Hd	13h Temp 61° Hum 55%
31st	Eskdalemuir	13h Hum 45% Vis 7
	Ross-on-Wye	" " 35%
	S. Farnboro'	" Wind force 2
	Birmingham	18h Temp 65°
	City	Sun 7.5 hrs
	Westminster	71. 43. 29 - - 6.8 ? 64 31st
	Hampstead	Sun 7.3
	S. Kensington	Pollution Mx 2.6 10h 30th Min 0.3 3h 31st
	Greenwich	Pole Star 30th 19h 45m to 31st 4h 30m. 8.45 8.40 99% 8.45 8.34 98%
	Malin Hd	7h Sea 4.
	Spurn Hd	7h Wind NW'N.
	S. Farnboro'	" cloud Ci St 8.
	Edinburgh	Weather 7-13h bm. m.
	"	Night rain Trace 4.30.
	Birr Castle	" - Trace.
	Valentia	Weather 18-1h bcobc

II.—ADDITIONS.

Report for	STATION.	Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9	Weather 7h.-13h.	Weather 13h.-18h.	Weather 18h.-1h.	Weather 1h.-7h.	Temperature Max. Day. 7h.-18h.	Temperature Min. Night. 18h.-7h.	Temperature Min. on Grass.	Rainfall† Day. 7h.-18h.	Rainfall† Night. 18h.-7h.	Rainfall† Precipitation began.	Sun Hours
3rd	Spurn Head 1h	1031.0	-.2	WSW	2	c+	32	85	6	-	-	0	A St	10	*						30	25		-	-	7.5
4th	Birr Castle 7h	1030.0	*	SE	1	bc	30	*	6	-	-	.	-	5	*											
	" " 13h	1023.9	*	S	2	bc	43	75	7	2500	Cu	3	-	3	*	hrbc				50			?		-	9.5
	" " 18h	1026.9	*	S	1	bc	46	85	8	4000	St Cu	3	-	3	*		hrlc				33	30		-	-	
	" " 7h	1023.2	*	S	1	bc	40	85	6	2500	Cu	1	Ci	4	*			bc	bcm.							
	Roches Pt 7h	1023.0	-.2	E	2	b	37	92	8	1500	St	2	-	2	1											
11th	Birr Castle 18h	1019.0	*	SW	2	c+	53	75	7	1500	St Cu	9	-	9	*											
14th	Tynemouth 7h	1031.8	-.2	SE	1	fo-	34	97	3	800	St	10	-	10	0				ofefe	47	34	34		Tr	-	
15th	Guernsey 1h	1027.4	0	ENE	3	ifo	39	97	3	450	St	10	-	10	*											
22nd	Calshot 13h	1019.3	-.1	SW	5	c	51	55	6	1500	St	8	A St	10	*											
	Blacksod Pt 18h	1008.6	0	S	4	bc	51	85	8	*	Cu	4	-	4	4		bc						-		-	
	" " 1h	1009.3	+1	S	4	bc	48	85	7	*	Cu Nb	4	-	4	*			bc						-	-	
	" " 7h	1010.1	+1	S	4	bc	47	75	8	*	Cu Nb	4	-	4	2				bcy	54	46					
25th	Birr Castle 13h	1019.0	*	SW	4	c	56	75	7	2500	Cu	8	A Cu	10	*	bcby				56			2		1630	
	" " 18h	1018.1	*	WSW	1	or r.	52	92	6	1500	St	10	-	10	*		cor. or									

‡ The barometric change is expressed in half millibars.